

| TDoc                       | Title                                                                                   | Source                        | Contact           | Contact ID            |
|----------------------------|-----------------------------------------------------------------------------------------|-------------------------------|-------------------|-----------------------|
| <a href="#">R1-1709880</a> | Draft Agenda of RAN1#AH_NR2 meeting                                                     | RAN1 Chair                    | Patrick Merias    | <a href="#">52292</a> |
| <a href="#">R1-1709881</a> | Report of RAN1#89 meeting                                                               | ETSI                          | Patrick Merias    | <a href="#">52292</a> |
| <a href="#">R1-1709882</a> | Enhancement of Early Termination of Polar Codes by placing UE-ID on Frozen Symbols      | Tsfun Algorithm               | Alexander Smekhov | <a href="#">71316</a> |
| <a href="#">R1-1709883</a> | Study of Split-CRC Polar Code Construction for Early Termination                        | Tsfun Algorithm               | Alexander Smekhov | <a href="#">71316</a> |
| <a href="#">R1-1709884</a> | NR-SS sequence design                                                                   | ZTE                           | Yifei Yuan        | <a href="#">58525</a> |
| <a href="#">R1-1709885</a> | The composition of SS burst sets                                                        | ZTE                           | Yifei Yuan        | <a href="#">58525</a> |
| <a href="#">R1-1709886</a> | Timing indication based on SS blocks                                                    | ZTE                           | Yifei Yuan        | <a href="#">58525</a> |
| <a href="#">R1-1709887</a> | Multiple SS blocks in wideband CC                                                       | ZTE                           | Yifei Yuan        | <a href="#">58525</a> |
| <a href="#">R1-1709888</a> | NR-PBCH contents                                                                        | ZTE                           | Yifei Yuan        | <a href="#">58525</a> |
| <a href="#">R1-1709889</a> | NR-PBCH RE mapping and SS block composition                                             | ZTE                           | Yifei Yuan        | <a href="#">58525</a> |
| <a href="#">R1-1709890</a> | NR-PBCH DMRS design                                                                     | ZTE                           | Yifei Yuan        | <a href="#">58525</a> |
| <a href="#">R1-1709891</a> | RMSI delivery                                                                           | ZTE                           | Yifei Yuan        | <a href="#">58525</a> |
| <a href="#">R1-1709892</a> | Other SI delivery                                                                       | ZTE                           | Yifei Yuan        | <a href="#">58525</a> |
| <a href="#">R1-1709893</a> | Paging design in NR                                                                     | ZTE                           | Yifei Yuan        | <a href="#">58525</a> |
| <a href="#">R1-1709894</a> | NR-PRACH formats for long/short sequences                                               | ZTE                           | Yifei Yuan        | <a href="#">58525</a> |
| <a href="#">R1-1709895</a> | NR-PRACH formats: capacity enhancements and other use cases                             | ZTE                           | Yifei Yuan        | <a href="#">58525</a> |
| <a href="#">R1-1709896</a> | Power control during random access procedure                                            | ZTE                           | Yifei Yuan        | <a href="#">58525</a> |
| <a href="#">R1-1709897</a> | 4-step random access procedure                                                          | ZTE                           | Yifei Yuan        | <a href="#">58525</a> |
| <a href="#">R1-1709898</a> | RRM measurements on IDLE mode RS                                                        | ZTE                           | Yifei Yuan        | <a href="#">58525</a> |
| <a href="#">R1-1709899</a> | RRM measurements on CSI-RS for L3 mobility                                              | ZTE                           | Yifei Yuan        | <a href="#">58525</a> |
| <a href="#">R1-1709900</a> | Radio link monitoring in NR                                                             | ZTE                           | Yifei Yuan        | <a href="#">58525</a> |
| <a href="#">R1-1709901</a> | Scrambling pattern for timing indication over PBCH                                      | Sequans Communications        | Michal Palgy      | <a href="#">66137</a> |
| <a href="#">R1-1709902</a> | Enhancements for Polar code construction                                                | Sequans Communications        | Michal Palgy      | <a href="#">66137</a> |
| <a href="#">R1-1709903</a> | Discussion of LTE-RM decoding ambiguity                                                 | Sequans Communications        | Michal Palgy      | <a href="#">66137</a> |
| <a href="#">R1-1709904</a> | Discussion on Remaining Details of Codeword Mapping                                     | Beijing Xinwei Telecom Techn. | Peng Sun          | <a href="#">62183</a> |
| <a href="#">R1-1709905</a> | Further Discussion on DL PRB Bundling                                                   | Beijing Xinwei Telecom Techn. | Peng Sun          | <a href="#">62183</a> |
| <a href="#">R1-1709906</a> | Discussion on DL Beam Management                                                        | Beijing Xinwei Telecom Techn. | Peng Sun          | <a href="#">62183</a> |
| <a href="#">R1-1709907</a> | Discussion on Beam Failure Recovery                                                     | Beijing Xinwei Telecom Techn. | Peng Sun          | <a href="#">62183</a> |
| <a href="#">R1-1709908</a> | Discussion on CSI Framework and Semi-persistent CSI-RS Resources and Reports Activation | Beijing Xinwei Telecom Techn. | Peng Sun          | <a href="#">62183</a> |
| <a href="#">R1-1709909</a> | Further Evaluation and Discussion on DMRS Design Details                                | Beijing Xinwei Telecom Techn. | Peng Sun          | <a href="#">62183</a> |
| <a href="#">R1-1709910</a> | NR MIMO System Level Phase 3 Calibration Results                                        | Beijing Xinwei Telecom Techn. | Peng Sun          | <a href="#">62183</a> |
| <a href="#">R1-1709911</a> | Finalization of the NR-SSS                                                              | Huawei, HiSilicon             | Brian Classon     | <a href="#">45750</a> |
| <a href="#">R1-1709912</a> | SS Burst Set and Block Composition                                                      | Huawei, HiSilicon             | Brian Classon     | <a href="#">45750</a> |
| <a href="#">R1-1709913</a> | Time Index Indication                                                                   | Huawei, HiSilicon             | Brian Classon     | <a href="#">45750</a> |
| <a href="#">R1-1709914</a> | NR-PBCH contents and payload size                                                       | Huawei, HiSilicon             | Brian Classon     | <a href="#">45750</a> |
| <a href="#">R1-1709915</a> | Discussion on NR RMSI delivery                                                          | Huawei, HiSilicon             | Brian Classon     | <a href="#">45750</a> |
| <a href="#">R1-1709916</a> | Multi-beam Paging for NR                                                                | Huawei, HiSilicon             | Brian Classon     | <a href="#">45750</a> |

|                            |                                                                                   |                   |               |                       |
|----------------------------|-----------------------------------------------------------------------------------|-------------------|---------------|-----------------------|
| <a href="#">R1-1709917</a> | PRACH preamble sequences and formats for capacity enhancement and beam management | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709918</a> | Discussion on power ramping and power control during RA procedure                 | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709919</a> | SS Burst Periodicities and timing for UE RRM measurement                          | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709920</a> | CSI-RS configuration parameters for L3 mobility                                   | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709921</a> | Discussion on remaining issues of radio link monitoring                           | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709922</a> | On numerology determination during initial access                                 | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709923</a> | Non-codebook based transmission for UL MIMO                                       | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709924</a> | Multiple NR-PDCCH for Multiple TRP transmission                                   | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709925</a> | PRB bundling size for DL data precoding                                           | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709926</a> | Discussion on transmission parameter sets                                         | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709927</a> | Beam indication for DL control channel                                            | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709928</a> | UL beam management                                                                | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709929</a> | General views on beam failure recovery                                            | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709930</a> | Procedure details for beam failure recovery                                       | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709931</a> | Discussion on CSI Framework Design                                                | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709932</a> | Channel and interference measurement for CSI acquisition                          | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709933</a> | Rate matching for data channel                                                    | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709934</a> | Reference signal for fine time and frequency tracking                             | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709935</a> | Details of QCL assumptions and related RS design considerations                   | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709936</a> | UL SRS design for beam management and CSI acquisition                             | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709937</a> | UL SRS sequence design in NR                                                      | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709938</a> | SRS antenna switching                                                             | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709939</a> | PTRS for CP-OFDM                                                                  | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709940</a> | PTRS for DFT-s-OFDM                                                               | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709941</a> | Design of DL DMRS for data transmission                                           | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709942</a> | Evaluation results of DMRS design for DL data channel                             | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709943</a> | UL DMRS design for data transmission                                              | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709944</a> | Evaluation results of DMRS design for UL data channel                             | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709945</a> | Common UL/DL DMRS design                                                          | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709946</a> | CSI-RS design in NR                                                               | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709947</a> | CSI-RS design for beam management                                                 | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709948</a> | General considerations on UL power control design                                 | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709949</a> | Power control for CA and DC                                                       | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709950</a> | DMRS for NR-PDCCH                                                                 | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709951</a> | Configuration of control resource set                                             | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709952</a> | Search space design                                                               | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709953</a> | Contents of group-common PDCCH                                                    | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709954</a> | Structure of group-common PDCCH                                                   | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709955</a> | UE-specific DCI contents in NR                                                    | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709956</a> | Resource multiplexing of downlink control and data                                | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709957</a> | Dynamic and semi-static DL/UL resource partition                                  | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709958</a> | Short PUCCH for up to 2 UCI bits                                                  | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709959</a> | Short PUCCH with more than 2 UCI bits                                             | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709960</a> | Overview of long PUCCH design                                                     | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709961</a> | Long PUCCH structure for up to 2 bits with high multiplexing capacity             | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709962</a> | Long PUCCH structure for moderate payload with some multiplexing capacity         | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709963</a> | UCI piggyback on PUSCH                                                            | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709964</a> | HARQ processing time                                                              | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709965</a> | Number of HARQ processes and HARQ RTT                                             | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709966</a> | Soft buffer handling                                                              | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709967</a> | Scheduling mechanisms for CBG-based re-transmission                               | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709968</a> | Discussion on CBG construction                                                    | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |

|                            |                                                                         |                   |               |                       |
|----------------------------|-------------------------------------------------------------------------|-------------------|---------------|-----------------------|
| <a href="#">R1-1709969</a> | Discussion on CBG-based feedback                                        | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709970</a> | HARQ feedback timing for NR                                             | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709971</a> | Remaining issues on ECP                                                 | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709972</a> | Overview of wider bandwidth operations                                  | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709973</a> | On initial access for wideband carrier                                  | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709974</a> | Scheduling and resource allocation mechanism for active bandwidth parts | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709975</a> | On NR carrier aggregation                                               | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709976</a> | SRS switching among CCs and bandwidth parts                             | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709977</a> | On NR dual connectivity                                                 | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709978</a> | TB mapping and TB size determination                                    | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709979</a> | Overview of NR UL for LTE-NR coexistence                                | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709980</a> | Subcarrier mapping for LTE-NR coexistence                               | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709981</a> | TRP-to-TRP measurement for cross-link interference mitigation           | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709982</a> | UE-to-UE measurement for cross-link interference mitigation             | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709983</a> | UL Power control for cross-link interference mitigation                 | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709984</a> | On pre-emption indication for DL multiplexing of URLLC and eMBB         | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709985</a> | PDSCH reliability for URLLC                                             | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709986</a> | PDCCH reliability for URLLC                                             | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709987</a> | Discussion on URLLC numerology                                          | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709988</a> | Discussion on UL multiplexing of grant-based eMBB and grant-free URLLC  | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709989</a> | Discussion on UCI feedback for URLLC                                    | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709990</a> | Link adaption for URLLC transmission                                    | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709991</a> | Resource configuration on UL transmission without grant                 | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709992</a> | UE identification and HARQ combining for grant-free transmissions       | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709993</a> | UE procedure of PDCCH monitoring for URLLC                              | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709994</a> | Discussion on data transmission duration                                | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709995</a> | Polar code construction                                                 | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709996</a> | Parity check bits for Polar code                                        | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709997</a> | Early termination for Polar code                                        | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709998</a> | Polar code for very small block length                                  | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1709999</a> | Interleaver design for Polar code                                       | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1710000</a> | Nested sequence for Polar code                                          | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1710001</a> | Rate matching for Polar code                                            | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1710002</a> | Support of implicit soft combining for PBCH by Polar code construction  | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1710003</a> | Channel coding chain for control channel                                | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1710004</a> | Channel coding for URLLC                                                | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1710005</a> | Considerations on timing advance design in NR                           | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1710006</a> | Discussion and evaluation on NR-PBCH design                             | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1710007</a> | DMRS for NR-PBCH                                                        | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1710008</a> | PRACH preamble format details for long/short sequence length            | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1710009</a> | Multiplexing different types of DL RS                                   | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1710010</a> | Multiplexing different types of UL RS                                   | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1710011</a> | Overview of PDCCH-CCE-REG mapping and REG bundling                      | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1710012</a> | Multi-beam operation for PDCCH                                          | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1710013</a> | Support of long-PUCCH over multiple slots                               | Huawei, HiSilicon | Brian Classon | <a href="#">45750</a> |
| <a href="#">R1-1710014</a> | Evaluation of UE identification for UL transmission without grant       | ZTE               | Yifei Yuan    | <a href="#">58525</a> |
| <a href="#">R1-1710015</a> | Considerations on the procedures of UL data transmission without grant  | ZTE               | Yifei Yuan    | <a href="#">58525</a> |

|                            |                                                                                    |                           |               |                       |
|----------------------------|------------------------------------------------------------------------------------|---------------------------|---------------|-----------------------|
| <a href="#">R1-1710016</a> | Repetition/hopping related design and reliability evaluations for grant-free URLLC | ZTE                       | Yifei Yuan    | <a href="#">58525</a> |
| <a href="#">R1-1710017</a> | CBG construction                                                                   | ZTE                       | Yifei Yuan    | <a href="#">58525</a> |
| <a href="#">R1-1710018</a> | DL control for CBG                                                                 | ZTE                       | Yifei Yuan    | <a href="#">58525</a> |
| <a href="#">R1-1710019</a> | UL control for CBG                                                                 | ZTE                       | Yifei Yuan    | <a href="#">58525</a> |
| <a href="#">R1-1710020</a> | Consideration about CBG soft-buffer management                                     | ZTE                       | Yifei Yuan    | <a href="#">58525</a> |
| <a href="#">R1-1710021</a> | Advantages of Underlay Scheduling Request method over PUCCH-based SR               | Idaho National Laboratory | Ramon Khalona | <a href="#">19055</a> |
| <a href="#">R1-1710022</a> | Remaining detail of NR-PSS and NR-SSS Sequence Design and RE mapping               | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710023</a> | SS Burst Set Composition and SS Block Configuration                                | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710024</a> | SS-block time index indication                                                     | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710025</a> | Multiple SS block Transmission in wideband                                         | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710026</a> | NR PBCH Contents and Payload Size                                                  | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710027</a> | NR PBCH RE mapping in SS Block                                                     | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710028</a> | NR PBCH DM RS sequence design and RE mapping                                       | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710029</a> | RMSI Delivery                                                                      | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710030</a> | Delivery of Other System Information                                               | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710031</a> | NR Paging Channel                                                                  | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710032</a> | NR RACH Long and Short Preamble Sequence Length                                    | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710033</a> | NR RACH Preamble Format for capacity enhancement,                                  | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710034</a> | RACH power control and power ramping procedure                                     | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710035</a> | Further details on NR 4-step RA Procedure                                          | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710036</a> | IDLE and CONNECTED mode UE mobility based on SS-block measurements                 | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710037</a> | L3 Mobility based on CSI-RS based measurements                                     | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710038</a> | NR Radio Link Monitoring                                                           | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710039</a> | Support of interference management schemes in duplexing flexibility                | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710040</a> | NR wider bandwidth operation                                                       | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710041</a> | Support of UL carrier sharing between NR-LTE                                       | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710042</a> | Power Sharing Mechanism                                                            | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710043</a> | NR Power Control Framework                                                         | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710044</a> | Consideration on CRC attachment for eMBB data                                      | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710045</a> | IR-HARQ scheme for NR LDPC codes                                                   | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710046</a> | LDPC design for eMBB data                                                          | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710047</a> | Offset optimization for NR LDPC                                                    | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710048</a> | Polar codes construction for NR control channel                                    | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710049</a> | Discussion on Polar codes for PBCH                                                 | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710050</a> | On codeword mapping                                                                | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710051</a> | Considerations on codebook based UL transmission                                   | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710052</a> | On non-codebook based UL transmission                                              | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710053</a> | Considerations on transmission diversity scheme in UL                              | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710054</a> | PRB bundling for DL transmission                                                   | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710055</a> | Considerations on multi-panel/multi-TRP transmission                               | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710056</a> | Further consideration on downlink beam management                                  | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710057</a> | Considerations on UL beam management                                               | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710058</a> | Consideration on DL beam failure and recovery                                      | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710059</a> | Summary of email discussion [89-17] NR CSI framework                               | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710060</a> | Views on CSI framework                                                             | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710061</a> | Discussion on details of CSI acquisition                                           | CATT                      | Yanping Xing  | <a href="#">57090</a> |
| <a href="#">R1-1710062</a> | Views on reciprocity based CSI acquisition                                         | CATT                      | Yanping Xing  | <a href="#">57090</a> |

|                            |                                                              |      |              |                       |
|----------------------------|--------------------------------------------------------------|------|--------------|-----------------------|
| <a href="#">R1-1710063</a> | Discussion on periodic and aperiodic CSI feedback            | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710064</a> | Discussion on RS multiplexing                                | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710065</a> | Design of CSI-RS for CSI acquisition                         | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710066</a> | Design of CSI-RS for beam management                         | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710067</a> | On DMRS design for DL                                        | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710068</a> | On DMRS design for UL                                        | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710069</a> | Considerations on RS for phase tracking                      | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710070</a> | Further considerations on SRS design                         | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710071</a> | On QCL for NR                                                | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710072</a> | System level calibration results for NR MIMO                 | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710073</a> | Link level calibration results for NR MIMO                   | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710074</a> | NR-PDCCH mapping structure                                   | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710075</a> | Further details of NR-PDCCH RS structure                     | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710076</a> | Configuration aspects of the NR-PDCCH                        | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710077</a> | Search space design for NR-PDCCH                             | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710078</a> | Discussion on multi-beam operation for NR-PDCCH              | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710079</a> | Flexible reuse of DL control resources for data transmission | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710080</a> | Channel structure for group-common PDCCH                     | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710081</a> | Contents of the group-common PDCCH                           | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710082</a> | Configuration and monitoring of the group-common PDCCH       | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710083</a> | Short PUCCH for small UCI payloads                           | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710084</a> | Short PUCCH for moderate and large UCI payloads              | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710085</a> | Long PUCCH for small UCI payloads                            | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710086</a> | Long PUCCH for moderate and large UCI payloads               | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710087</a> | Design of multi-slot PUCCH transmission                      | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710088</a> | Further discussion on PUCCH resource allocation              | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710089</a> | Multiplexing of UCI and UL data on PUSCH                     | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710090</a> | Simultaneous PUCCH-PUSCH transmission in NR                  | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710091</a> | NR DL/UL frequency domain resource allocation                | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710092</a> | NR DL/UL time domain resource allocation                     | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710093</a> | Further details of grant-based UL transmission               | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710094</a> | Grant-free UL transmission procedure                         | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710095</a> | Details of CBG construction                                  | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710096</a> | DL control signaling design for CBG-based operation          | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710097</a> | UL control signaling design for CBG-based operation          | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710098</a> | NR HARQ-ACK multiplexing                                     | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710099</a> | Discussion on number of HARQ processes and HARQ RTT          | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710100</a> | Soft buffer management for NR                                | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710101</a> | Further design considerations for DL pre-emption indication  | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710102</a> | Scheduling and HARQ support for NR CA                        | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710103</a> | Scheduling and HARQ support for NR DC                        | CATT | Yanping Xing | <a href="#">57090</a> |
| <a href="#">R1-1710104</a> | CCE mapping with REG bundling                                | ZTE  | Yifei Yuan   | <a href="#">58525</a> |
| <a href="#">R1-1710105</a> | Issues regarding DMRS structure and mapping                  | ZTE  | Yifei Yuan   | <a href="#">58525</a> |
| <a href="#">R1-1710106</a> | NR-PDCCH CORESET configuration                               | ZTE  | Yifei Yuan   | <a href="#">58525</a> |
| <a href="#">R1-1710107</a> | Search space design for NR-PDCCH                             | ZTE  | Yifei Yuan   | <a href="#">58525</a> |
| <a href="#">R1-1710108</a> | Supporting Multi-beam in NR-PDCCH                            | ZTE  | Yifei Yuan   | <a href="#">58525</a> |
| <a href="#">R1-1710109</a> | Resource sharing between PDCCH and PDSCH                     | ZTE  | Yifei Yuan   | <a href="#">58525</a> |
| <a href="#">R1-1710110</a> | Group-common PDCCH design consideration                      | ZTE  | Yifei Yuan   | <a href="#">58525</a> |
| <a href="#">R1-1710111</a> | NR-PDCCH for supporting URLLC                                | ZTE  | Yifei Yuan   | <a href="#">58525</a> |
| <a href="#">R1-1710112</a> | On short PUCCH for up to 2 bits UCI                          | ZTE  | Yifei Yuan   | <a href="#">58525</a> |
| <a href="#">R1-1710113</a> | On short-PUCCH for more than 2 bits                          | ZTE  | Yifei Yuan   | <a href="#">58525</a> |
| <a href="#">R1-1710114</a> | On long-PUCCH for up to 2 bits                               | ZTE  | Yifei Yuan   | <a href="#">58525</a> |

|                            |                                                                                               |                                |                |                       |
|----------------------------|-----------------------------------------------------------------------------------------------|--------------------------------|----------------|-----------------------|
| <a href="#">R1-1710115</a> | On long-PUCCH for more than 2 bits                                                            | ZTE                            | Yifei Yuan     | <a href="#">58525</a> |
| <a href="#">R1-1710116</a> | Consideration on long-PUCCH over slots                                                        | ZTE                            | Yifei Yuan     | <a href="#">58525</a> |
| <a href="#">R1-1710117</a> | NR PUCCH resource allocation                                                                  | ZTE                            | Yifei Yuan     | <a href="#">58525</a> |
| <a href="#">R1-1710118</a> | UCI multiplexing on PUSCH                                                                     | ZTE                            | Yifei Yuan     | <a href="#">58525</a> |
| <a href="#">R1-1710119</a> | Multiplexing of PUSCH and short PUCCH                                                         | ZTE                            | Yifei Yuan     | <a href="#">58525</a> |
| <a href="#">R1-1710120</a> | Analysis of URLLC reliability for uplink control channel                                      | ZTE                            | Yifei Yuan     | <a href="#">58525</a> |
| <a href="#">R1-1710121</a> | Resource allocation in frequency domain                                                       | ZTE                            | Yifei Yuan     | <a href="#">58525</a> |
| <a href="#">R1-1710122</a> | On scheduling request in NR                                                                   | ZTE                            | Yifei Yuan     | <a href="#">58525</a> |
| <a href="#">R1-1710123</a> | DL pre-emption indication                                                                     | ZTE                            | Yifei Yuan     | <a href="#">58525</a> |
| <a href="#">R1-1710124</a> | Uplink multiplexing for different transmission durations                                      | ZTE                            | Yifei Yuan     | <a href="#">58525</a> |
| <a href="#">R1-1710125</a> | Supporting Ultra reliability in scheduling                                                    | ZTE                            | Yifei Yuan     | <a href="#">58525</a> |
| <a href="#">R1-1710126</a> | Resource allocation for wideband operation                                                    | ZTE                            | Yifei Yuan     | <a href="#">58525</a> |
| <a href="#">R1-1710127</a> | Viewpoint on NR CLI Management for Duplexing Work Plan                                        | ZTE                            | Carolyn Taylor | <a href="#">19440</a> |
| <a href="#">R1-1710128</a> | UE-to-UE measurement as an enabler for CLI mitigation schemes                                 | ZTE                            | Carolyn Taylor | <a href="#">19440</a> |
| <a href="#">R1-1710129</a> | Channel sensing based schemes for cross-link interference mitigation in NR                    | ZTE                            | Carolyn Taylor | <a href="#">19440</a> |
| <a href="#">R1-1710130</a> | TRP-to-TRP measurement as an enabler for CLI mitigation schemes                               | ZTE                            | Carolyn Taylor | <a href="#">19440</a> |
| <a href="#">R1-1710131</a> | Discussion on design of SS block                                                              | Guangdong OPPO Mobile Telecom. | Jia Shen       | <a href="#">67727</a> |
| <a href="#">R1-1710132</a> | Discussion on the timing indication of SS block                                               | Guangdong OPPO Mobile Telecom. | Jia Shen       | <a href="#">67727</a> |
| <a href="#">R1-1710133</a> | Remaining details on multiple SS block transmissions in wideband CC                           | Guangdong OPPO Mobile Telecom. | Jia Shen       | <a href="#">67727</a> |
| <a href="#">R1-1710134</a> | Discussion on the numerology of the RMSI                                                      | Guangdong OPPO Mobile Telecom. | Jia Shen       | <a href="#">67727</a> |
| <a href="#">R1-1710135</a> | Discussion on the on-demand SI                                                                | Guangdong OPPO Mobile Telecom. | Jia Shen       | <a href="#">67727</a> |
| <a href="#">R1-1710136</a> | On NR paging design and transmission                                                          | Guangdong OPPO Mobile Telecom. | Jia Shen       | <a href="#">67727</a> |
| <a href="#">R1-1710137</a> | Discussion on Power ramping and power control during RA procedure                             | Guangdong OPPO Mobile Telecom. | Jia Shen       | <a href="#">67727</a> |
| <a href="#">R1-1710138</a> | NR 4-Step Random Access Procedure                                                             | Guangdong OPPO Mobile Telecom. | Jia Shen       | <a href="#">67727</a> |
| <a href="#">R1-1710139</a> | On RRM measurement based on SS block                                                          | Guangdong OPPO Mobile Telecom. | Jia Shen       | <a href="#">67727</a> |
| <a href="#">R1-1710140</a> | On uplink codebook design                                                                     | Guangdong OPPO Mobile Telecom. | Jia Shen       | <a href="#">67727</a> |
| <a href="#">R1-1710141</a> | Considerations on the multi-TRP/Multi-panel design to support the reception of multiple PDCCH | Guangdong OPPO Mobile Telecom. | Jia Shen       | <a href="#">67727</a> |
| <a href="#">R1-1710142</a> | Discussion on the DL Beam Management                                                          | Guangdong OPPO Mobile Telecom. | Jia Shen       | <a href="#">67727</a> |
| <a href="#">R1-1710143</a> | Discussion on the UL Beam Management                                                          | Guangdong OPPO Mobile Telecom. | Jia Shen       | <a href="#">67727</a> |
| <a href="#">R1-1710144</a> | On Beam Recovery Mechanism                                                                    | Guangdong OPPO Mobile Telecom. | Jia Shen       | <a href="#">67727</a> |
| <a href="#">R1-1710145</a> | Beam association relationship between data and control channels                               | Guangdong OPPO Mobile Telecom. | Jia Shen       | <a href="#">67727</a> |
| <a href="#">R1-1710146</a> | Disussion on CSI-RS design for beam management                                                | Guangdong OPPO Mobile Telecom. | Jia Shen       | <a href="#">67727</a> |
| <a href="#">R1-1710147</a> | On SRS design for NR                                                                          | Guangdong OPPO Mobile Telecom. | Jia Shen       | <a href="#">67727</a> |
| <a href="#">R1-1710148</a> | NR-PDCCH CCE-to-REG mapping with REG bundling                                                 | Guangdong OPPO Mobile Telecom. | Jia Shen       | <a href="#">67727</a> |
| <a href="#">R1-1710149</a> | On NR PDCCH RS design                                                                         | Guangdong OPPO Mobile Telecom. | Jia Shen       | <a href="#">67727</a> |
| <a href="#">R1-1710150</a> | PDCCH CORESET configuration and UE procedure on NR-PDCCH monitoring                           | Guangdong OPPO Mobile Telecom. | Jia Shen       | <a href="#">67727</a> |
| <a href="#">R1-1710151</a> | NR PDCCH search space design with nested structure                                            | Guangdong OPPO Mobile Telecom. | Jia Shen       | <a href="#">67727</a> |
| <a href="#">R1-1710152</a> | Search space design consideration for NR PDCCH with BF                                        | Guangdong OPPO Mobile Telecom. | Jia Shen       | <a href="#">67727</a> |

|                            |                                                                  |                                |                  |                       |
|----------------------------|------------------------------------------------------------------|--------------------------------|------------------|-----------------------|
| <a href="#">R1-1710153</a> | On resource sharing between PDCCH and PDSCH                      | Guangdong OPPO Mobile Telecom. | Jia Shen         | <a href="#">67727</a> |
| <a href="#">R1-1710154</a> | Impact on common channel reception to PDCCH design               | Guangdong OPPO Mobile Telecom. | Jia Shen         | <a href="#">67727</a> |
| <a href="#">R1-1710155</a> | DL control channel design for URLLC                              | Guangdong OPPO Mobile Telecom. | Jia Shen         | <a href="#">67727</a> |
| <a href="#">R1-1710156</a> | Discussion on short PUCCH for up to 2 UCI bits                   | Guangdong OPPO Mobile Telecom. | Jia Shen         | <a href="#">67727</a> |
| <a href="#">R1-1710157</a> | Discussion on short PUCCH for more than 2 UCI bits               | Guangdong OPPO Mobile Telecom. | Jia Shen         | <a href="#">67727</a> |
| <a href="#">R1-1710158</a> | Discussion on long PUCCH for up to 2 UCI bits                    | Guangdong OPPO Mobile Telecom. | Jia Shen         | <a href="#">67727</a> |
| <a href="#">R1-1710159</a> | Slot aggregation and configuration for NR long PUCCH             | Guangdong OPPO Mobile Telecom. | Jia Shen         | <a href="#">67727</a> |
| <a href="#">R1-1710160</a> | Design of NR PUCCH with long duration                            | Guangdong OPPO Mobile Telecom. | Jia Shen         | <a href="#">67727</a> |
| <a href="#">R1-1710161</a> | Resource indication for UL control channel                       | Guangdong OPPO Mobile Telecom. | Jia Shen         | <a href="#">67727</a> |
| <a href="#">R1-1710162</a> | On UCI and data multiplexing in PUSCH                            | Guangdong OPPO Mobile Telecom. | Jia Shen         | <a href="#">67727</a> |
| <a href="#">R1-1710163</a> | Multiplexing of short PUCCH and long PUCCH                       | Guangdong OPPO Mobile Telecom. | Jia Shen         | <a href="#">67727</a> |
| <a href="#">R1-1710164</a> | Bandwidth part configuration and frequency resource allocation   | Guangdong OPPO Mobile Telecom. | Jia Shen         | <a href="#">67727</a> |
| <a href="#">R1-1710165</a> | Time-domain resource allocation for NR                           | Guangdong OPPO Mobile Telecom. | Jia Shen         | <a href="#">67727</a> |
| <a href="#">R1-1710166</a> | Discussion on the UL waveform indication                         | Guangdong OPPO Mobile Telecom. | Jia Shen         | <a href="#">67727</a> |
| <a href="#">R1-1710167</a> | HARQ for uplink grant-free transmission                          | Guangdong OPPO Mobile Telecom. | Jia Shen         | <a href="#">67727</a> |
| <a href="#">R1-1710168</a> | Discussion on CBG indication in DCI                              | Guangdong OPPO Mobile Telecom. | Jia Shen         | <a href="#">67727</a> |
| <a href="#">R1-1710169</a> | Discussion on HARQ-ACK feedback for CBG-based transmission       | Guangdong OPPO Mobile Telecom. | Jia Shen         | <a href="#">67727</a> |
| <a href="#">R1-1710170</a> | Symbol-level resource allocation and pre-emption indication      | Guangdong OPPO Mobile Telecom. | Jia Shen         | <a href="#">67727</a> |
| <a href="#">R1-1710171</a> | Bandwidth part based resource scheduling for carrier aggregation | Guangdong OPPO Mobile Telecom. | Jia Shen         | <a href="#">67727</a> |
| <a href="#">R1-1710172</a> | Discussion on UE specific RF bandwidth adaptation in NR          | Guangdong OPPO Mobile Telecom. | Jia Shen         | <a href="#">67727</a> |
| <a href="#">R1-1710173</a> | Discussion on the NR-LTE self-interference issue                 | Guangdong OPPO Mobile Telecom. | Jia Shen         | <a href="#">67727</a> |
| <a href="#">R1-1710174</a> | Uplink power control for NR                                      | Guangdong OPPO Mobile Telecom. | Jia Shen         | <a href="#">67727</a> |
| <a href="#">R1-1710175</a> | Codeword mapping and interleaving                                | ZTE                            | Ruyue Yu-Ngok Li | <a href="#">43128</a> |
| <a href="#">R1-1710176</a> | Codebook based UL transmission                                   | ZTE                            | Ruyue Yu-Ngok Li | <a href="#">43128</a> |
| <a href="#">R1-1710177</a> | Non-Codebook based and Hybrid based UL transmission              | ZTE                            | Ruyue Yu-Ngok Li | <a href="#">43128</a> |
| <a href="#">R1-1710178</a> | Diversity based uplink transmission schemes                      | ZTE                            | Ruyue Yu-Ngok Li | <a href="#">43128</a> |
| <a href="#">R1-1710179</a> | On PRB Bundling                                                  | ZTE                            | Ruyue Yu-Ngok Li | <a href="#">43128</a> |
| <a href="#">R1-1710180</a> | Multi-TRP Transmission and interference coordination             | ZTE                            | Ruyue Yu-Ngok Li | <a href="#">43128</a> |
| <a href="#">R1-1710181</a> | Discussion on rate matching                                      | ZTE                            | Ruyue Yu-Ngok Li | <a href="#">43128</a> |
| <a href="#">R1-1710182</a> | On transmission setting                                          | ZTE                            | Ruyue Yu-Ngok Li | <a href="#">43128</a> |
| <a href="#">R1-1710183</a> | DL beam management for NR MIMO                                   | ZTE                            | Ruyue Yu-Ngok Li | <a href="#">43128</a> |
| <a href="#">R1-1710184</a> | UL beam management for NR MIMO                                   | ZTE                            | Ruyue Yu-Ngok Li | <a href="#">43128</a> |
| <a href="#">R1-1710185</a> | Discussion on beam recovery mechanism                            | ZTE                            | Ruyue Yu-Ngok Li | <a href="#">43128</a> |
| <a href="#">R1-1710186</a> | Beam grouping evaluation for beam management                     | ZTE                            | Ruyue Yu-Ngok Li | <a href="#">43128</a> |
| <a href="#">R1-1710187</a> | On CSI framework details                                         | ZTE                            | Ruyue Yu-Ngok Li | <a href="#">43128</a> |
| <a href="#">R1-1710188</a> | Details of CSI acquisition                                       | ZTE                            | Ruyue Yu-Ngok Li | <a href="#">43128</a> |
| <a href="#">R1-1710189</a> | On reciprocity based CSI acquisition                             | ZTE                            | Ruyue Yu-Ngok Li | <a href="#">43128</a> |
| <a href="#">R1-1710190</a> | CSI feedback mechanism on PUCCH                                  | ZTE                            | Ruyue Yu-Ngok Li | <a href="#">43128</a> |
| <a href="#">R1-1710191</a> | CSI feedback mechanism on PUSCH                                  | ZTE                            | Ruyue Yu-Ngok Li | <a href="#">43128</a> |
| <a href="#">R1-1710192</a> | Overhead reduction for Type II CSI                               | ZTE                            | Ruyue Yu-Ngok Li | <a href="#">43128</a> |
| <a href="#">R1-1710193</a> | Discussion on multiplexing of different RSs                      | ZTE                            | Ruyue Yu-Ngok Li | <a href="#">43128</a> |
| <a href="#">R1-1710194</a> | On CSI-RS for beam management                                    | ZTE                            | Ruyue Yu-Ngok Li | <a href="#">43128</a> |
| <a href="#">R1-1710195</a> | On CSI-RS for CSI acquisition                                    | ZTE                            | Ruyue Yu-Ngok Li | <a href="#">43128</a> |

|                            |                                                                                      |                               |                            |                       |
|----------------------------|--------------------------------------------------------------------------------------|-------------------------------|----------------------------|-----------------------|
| <a href="#">R1-1710196</a> | Discussion on downlink DMRS design                                                   | ZTE                           | Ruyue Yu-Ngok Li           | <a href="#">43128</a> |
| <a href="#">R1-1710197</a> | Evaluation results on DL DMRS                                                        | ZTE                           | Ruyue Yu-Ngok Li           | <a href="#">43128</a> |
| <a href="#">R1-1710198</a> | Discussion on uplink DMRS design                                                     | ZTE                           | Ruyue Yu-Ngok Li           | <a href="#">43128</a> |
| <a href="#">R1-1710199</a> | Discussion on RS for phase tracking                                                  | ZTE                           | Ruyue Yu-Ngok Li           | <a href="#">43128</a> |
| <a href="#">R1-1710200</a> | Discussion on SRS design for NR                                                      | ZTE                           | Ruyue Yu-Ngok Li           | <a href="#">43128</a> |
| <a href="#">R1-1710201</a> | Discussion on fine time/frequency tracking of channel                                | ZTE                           | Ruyue Yu-Ngok Li           | <a href="#">43128</a> |
| <a href="#">R1-1710202</a> | QCL design for UL and DL MIMO                                                        | ZTE                           | Ruyue Yu-Ngok Li           | <a href="#">43128</a> |
| <a href="#">R1-1710203</a> | Calibration results for Phase 1 NR MIMO link level calibration                       | ZTE                           | Ruyue Yu-Ngok Li           | <a href="#">43128</a> |
| <a href="#">R1-1710204</a> | Calibration results for Phase 1 NR MIMO system level calibration                     | ZTE                           | Ruyue Yu-Ngok Li           | <a href="#">43128</a> |
| <a href="#">R1-1710205</a> | Calibration results for Phase 2 NR MIMO link level calibration                       | ZTE                           | Ruyue Yu-Ngok Li           | <a href="#">43128</a> |
| <a href="#">R1-1710206</a> | Calibration results for Phase 2 NR MIMO system level calibration                     | ZTE                           | Ruyue Yu-Ngok Li           | <a href="#">43128</a> |
| <a href="#">R1-1710207</a> | Calibration results for Phase 3 NR MIMO calibration                                  | ZTE                           | Ruyue Yu-Ngok Li           | <a href="#">43128</a> |
| <a href="#">R1-1710208</a> | Further clarification on Phase 3 NR MIMO calibration                                 | ZTE                           | Ruyue Yu-Ngok Li           | <a href="#">43128</a> |
| <a href="#">R1-1710209</a> | On NR power control                                                                  | ZTE                           | Ruyue Yu-Ngok Li           | <a href="#">43128</a> |
| <a href="#">R1-1710210</a> | On NR PHR calculation                                                                | ZTE                           | Ruyue Yu-Ngok Li           | <a href="#">43128</a> |
| <a href="#">R1-1710211</a> | LS on SR design principles in NR                                                     | RAN2, Samsung                 | Patrick Merias             | <a href="#">52292</a> |
| <a href="#">R1-1710212</a> | LS on UE measurement capabilities across LTE and NR                                  | RAN2, NTT DOCOMO              | Patrick Merias             | <a href="#">52292</a> |
| <a href="#">R1-1710213</a> | LS on UE categories for NR and LTE-NR Dual Connectivity                              | RAN2, NTT DOCOMO              | Patrick Merias             | <a href="#">52292</a> |
| <a href="#">R1-1710214</a> | LS reply to SA2 on maximum data rate                                                 | RAN2, MediaTek                | Patrick Merias             | <a href="#">52292</a> |
| <a href="#">R1-1710215</a> | Response LS on reading time index indication for RRM measurements                    | RAN2, Intel                   | Patrick Merias             | <a href="#">52292</a> |
| <a href="#">R1-1710216</a> | LS on Emergency Support in NR                                                        | SA2, Nokia                    | Patrick Merias             | <a href="#">52292</a> |
| <a href="#">R1-1710217</a> | LS on Support for fake gNB detection mechanisms                                      | SA3, Nokia                    | Patrick Merias             | <a href="#">52292</a> |
| <a href="#">R1-1710218</a> | RACH transmission count                                                              | Mitsubishi Electric Co.       | Fumihiro Hasegawa          | <a href="#">61720</a> |
| <a href="#">R1-1710219</a> | UL transmission power control                                                        | Mitsubishi Electric Co.       | Fumihiro Hasegawa          | <a href="#">61720</a> |
| <a href="#">R1-1710220</a> | Reply LS on Emergency Support in NR                                                  | RAN, T-Mobile                 | Patrick Merias             | <a href="#">52292</a> |
| <a href="#">R1-1710221</a> | Reply LS on UE categories for NR and LTE-NR Dual Connectivity                        | RAN, NTT DOCOMO               | Patrick Merias             | <a href="#">52292</a> |
| <a href="#">R1-1710222</a> | Transmit diversity for DFTsOFDM-based PUCCH in long duration                         | Mitsubishi Electric RCE       | Cristina Ciochina-Duchesne | <a href="#">56339</a> |
| <a href="#">R1-1710223</a> | Discussion on timing indication based on SS block                                    | Beijing Xinwei Telecom Techn. | Peng Sun                   | <a href="#">62183</a> |
| <a href="#">R1-1710224</a> | Discussion and evaluation on SS block composition                                    | Beijing Xinwei Telecom Techn. | Peng Sun                   | <a href="#">62183</a> |
| <a href="#">R1-1710225</a> | Discussion and evaluation on DMRS design for NR-PBCH                                 | Beijing Xinwei Telecom Techn. | Peng Sun                   | <a href="#">62183</a> |
| <a href="#">R1-1710226</a> | Discussion on 2-symbol Short PUCCH with More Than 2 Bits                             | Beijing Xinwei Telecom Techn. | Peng Sun                   | <a href="#">62183</a> |
| <a href="#">R1-1710227</a> | Further Discussion on PTRS Design Details                                            | Beijing Xinwei Telecom Techn. | Peng Sun                   | <a href="#">62183</a> |
| <a href="#">R1-1710228</a> | Further discussion on channel reciprocity and beam correspondence                    | MTI                           | Chie Ming Chou             | <a href="#">64291</a> |
| <a href="#">R1-1710229</a> | [89-16] Email discussion on NR-PRACH preamble formats based on short sequence length | ZTE Corporation               | Jan Johansson              | <a href="#">72705</a> |
| <a href="#">R1-1710230</a> | UL PTRS for DFTsOFDM waveform                                                        | Mitsubishi Electric RCE       | Cristina Ciochina-Duchesne | <a href="#">56339</a> |
| <a href="#">R1-1710231</a> | Consideration on timing indication based on SS block                                 | Fujitsu                       | Tim Mouldsley              | <a href="#">10954</a> |
| <a href="#">R1-1710232</a> | Discussion on DMRS for NR-PBCH                                                       | Fujitsu                       | Tim Mouldsley              | <a href="#">10954</a> |
| <a href="#">R1-1710233</a> | Discussion on the CORESET for RMSI delivery                                          | Fujitsu                       | Tim Mouldsley              | <a href="#">10954</a> |
| <a href="#">R1-1710234</a> | Discussion on 4-step RA procedure                                                    | Fujitsu                       | Tim Mouldsley              | <a href="#">10954</a> |
| <a href="#">R1-1710235</a> | Discussion on multiple NR-PDCCHs in NC-JT scheme                                     | Fujitsu                       | Tim Mouldsley              | <a href="#">10954</a> |
| <a href="#">R1-1710236</a> | Discussion on beam failure recovery procedure                                        | Fujitsu                       | Tim Mouldsley              | <a href="#">10954</a> |
| <a href="#">R1-1710237</a> | PUCCH resource allocation                                                            | Fujitsu                       | Tim Mouldsley              | <a href="#">10954</a> |
| <a href="#">R1-1710238</a> | Discussion on time domain resource allocation                                        | Fujitsu                       | Tim Mouldsley              | <a href="#">10954</a> |
| <a href="#">R1-1710239</a> | Discussions on HARQ for grant-free transmission                                      | Fujitsu                       | Tim Mouldsley              | <a href="#">10954</a> |

|                            |                                                                           |                 |              |                       |
|----------------------------|---------------------------------------------------------------------------|-----------------|--------------|-----------------------|
| <a href="#">R1-1710240</a> | Discussion on DL control signaling related to CBG based (re)-transmission | Fujitsu         | Tim Mousley  | <a href="#">10954</a> |
| <a href="#">R1-1710241</a> | Discussion on CBG based HARQ-ACK Design                                   | Fujitsu         | Tim Mousley  | <a href="#">10954</a> |
| <a href="#">R1-1710242</a> | Discussion on HARQ-ACK codebook                                           | Fujitsu         | Tim Mousley  | <a href="#">10954</a> |
| <a href="#">R1-1710243</a> | On eMBB and URLLC multiplexing for Uplink                                 | Fujitsu         | Tim Mousley  | <a href="#">10954</a> |
| <a href="#">R1-1710244</a> | PRB indexing for RMSI in NR                                               | NEC             | Yassin Awad  | <a href="#">37300</a> |
| <a href="#">R1-1710245</a> | Frequency-domain resource allocation schemes for NR                       | NEC             | Yassin Awad  | <a href="#">37300</a> |
| <a href="#">R1-1710246</a> | Time-domain resource allocation schemes for NR                            | NEC             | Yassin Awad  | <a href="#">37300</a> |
| <a href="#">R1-1710247</a> | Frequency hopping for NR UL PUSCH                                         | NEC             | Yassin Awad  | <a href="#">37300</a> |
| <a href="#">R1-1710248</a> | UL data transmission without grant                                        | NEC             | Yassin Awad  | <a href="#">37300</a> |
| <a href="#">R1-1710249</a> | PRB and RBG indexing within wider channel BW for NR                       | NEC             | Yassin Awad  | <a href="#">37300</a> |
| <a href="#">R1-1710250</a> | Discussion on UL sharing of NR and LTE                                    | NEC             | Yassin Awad  | <a href="#">37300</a> |
| <a href="#">R1-1710251</a> | Discussion on beam failure recovery request                               | NEC Corporation | Yukai Gao    | <a href="#">62939</a> |
| R1-1710252                 | Discussion on preamble transmitting power                                 | NEC Corporation | Yukai Gao    | <a href="#">62939</a> |
| R1-1710253                 | Discussion on extending of scheduling request                             | NEC Corporation | Yukai Gao    | <a href="#">62939</a> |
| R1-1710254                 | Discussion on beam sweeping or beam changing of SR                        | NEC Corporation | Yukai Gao    | <a href="#">62939</a> |
| <a href="#">R1-1710255</a> | Remaining details on DMRS ports and number of layers indication           | NEC Corporation | Yukai Gao    | <a href="#">62939</a> |
| <a href="#">R1-1710256</a> | CSI-RS design for beam management and interference measurement            | NEC Corporation | Yukai Gao    | <a href="#">62939</a> |
| <a href="#">R1-1710257</a> | Considerations on the design of DMRS                                      | NEC Corporation | Yukai Gao    | <a href="#">62939</a> |
| <a href="#">R1-1710258</a> | Remaining issue on SS Sequence Design                                     | LG Electronics  | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710259</a> | Discussion on SS burst set composition                                    | LG Electronics  | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710260</a> | Discussion on SS block time index indication                              | LG Electronics  | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710261</a> | Remaining issues on Multiple SS block transmissions in wideband CC        | LG Electronics  | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710262</a> | Consideration on NR-PBCH contents and payload size                        | LG Electronics  | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710263</a> | Discussion on NR-PBCH RE mapping and SS block composition                 | LG Electronics  | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710264</a> | Discussion on DMRS design for NR-PBCH                                     | LG Electronics  | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710265</a> | Remaining minimum system information delivery                             | LG Electronics  | Youngwoo Yun | <a href="#">45048</a> |
| R1-1710266                 | Other system information delivery                                         | LG Electronics  | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710267</a> | Paging design in NR                                                       | LG Electronics  | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710268</a> | Discussion on PRACH preamble format details                               | LG Electronics  | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710269</a> | Discussion on PRACH preamble for capacity enhancement                     | LG Electronics  | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710270</a> | Discussion on Power Control issue for Message 1 and 3                     | LG Electronics  | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710271</a> | RACH Procedure                                                            | LG Electronics  | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710272</a> | SS block based RRM Measurement                                            | LG Electronics  | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710273</a> | CSI-RS based RRM Measurement for L3 Mobility                              | LG Electronics  | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710274</a> | Discussion on Radio Link Monitoring in NR                                 | LG Electronics  | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710275</a> | Discussion on codeword mapping                                            | LG Electronics  | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710276</a> | Discussion on codebook based transmission for UL                          | LG Electronics  | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710277</a> | Discussion on non-codebook based transmission for UL                      | LG Electronics  | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710278</a> | Discussion on diversity transmission for UL                               | LG Electronics  | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710279</a> | Discussion on cooperative transmission                                    | LG Electronics  | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710280</a> | Discussion on rate matching                                               | LG Electronics  | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710281</a> | Discussion on DL beam management                                          | LG Electronics  | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710282</a> | Discussion on UL beam management                                          | LG Electronics  | Youngwoo Yun | <a href="#">45048</a> |

|                            |                                                                                 |                |              |                       |
|----------------------------|---------------------------------------------------------------------------------|----------------|--------------|-----------------------|
| <a href="#">R1-1710283</a> | Discussion on beam failure recovery                                             | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710284</a> | Discussion on CSI framework                                                     | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710285</a> | Discussion on interference measurement                                          | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710286</a> | Discussion on CSI acquisition for reciprocity based operation                   | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710287</a> | Discussion on overhead reduction for Type II codebook                           | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710288</a> | Discussions on CSI reporting contents                                           | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710289</a> | CSI feedback for OL and semi-OL MIMO                                            | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710290</a> | UL channel utilization for CSI reporting                                        | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710291</a> | On collision avoidance for PTRS and other RSs                                   | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710292</a> | On CSI-RS design for beam management                                            | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710293</a> | On CSI-RS design for CSI acquisition                                            | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710294</a> | On DL DMRS design                                                               | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710295</a> | On UL DMRS design                                                               | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710296</a> | On DL PT-RS design                                                              | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710297</a> | On UL PT-RS design                                                              | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710298</a> | On SRS design and related operations                                            | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710299</a> | Discussion on fine time/frequency tracking of channel                           | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710300</a> | Discussion on QCL for NR                                                        | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710301</a> | Phase 3 SLS Calibration Results for NR MIMO                                     | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710302</a> | Phase 2 LLS Calibration Results for NR MIMO                                     | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710303</a> | Discussion on NR-PDCCH structure                                                | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710304</a> | Discussion on reference signal for NR-PDCCH                                     | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710305</a> | Discussion on CORESET configuration                                             | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710306</a> | Discussion on hierarchical search space structure                               | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710307</a> | Discussion on multi-beam operation for NR-PDCCH                                 | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710308</a> | Discussion on multiplexing between control and data                             | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710309</a> | Discussion on the structure of group common PDCCH                               | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710310</a> | Discussion on the contents of group common PDCCH                                | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710311</a> | Discussion on UE behavior for the group common PDCCH                            | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710312</a> | Discussion on DL control with ultra-reliability                                 | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710313</a> | Design of short NR-PUCCH for up to 2 UCI bits                                   | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710314</a> | Design of short NR-PUCCH for more than 2 UCI bits                               | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710315</a> | Design of long NR-PUCCH for up to 2 UCI bits                                    | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710316</a> | Design of long NR-PUCCH for more than 2 UCI bits                                | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710317</a> | Support of long NR-PUCCH over multiple slots                                    | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710318</a> | Consideration on transmit diversity for NR-PUCCH                                | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710319</a> | Consideration on resource allocation for NR-PUCCH                               | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710320</a> | Support of UCI piggyback on PUSCH for NR                                        | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710321</a> | Support of uplink channel multiplexing for NR                                   | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710322</a> | Discussion on UL control with ultra-reliability                                 | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710323</a> | Discussion on frequency-domain resource allocation                              | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710324</a> | Discussion on time-domain resource allocation                                   | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710325</a> | Discussion on TB size determination for NR                                      | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710326</a> | Discussion on scheduling request for UL transmission with grant                 | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710327</a> | Discussion on UL transmission without grant                                     | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710328</a> | Summary of [89-22] Email discussion about UL data transmission without UL grant | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710329</a> | Consideration on CBG construction for NR HARQ                                   | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710330</a> | Consideration on DCI signaling for CBG based HARQ                               | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710331</a> | Consideration on UCI signaling for CBG based HARQ                               | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710332</a> | Consideration on HARQ-ACK feedback timing for NR                                | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710333</a> | Support of HARQ-ACK multiplexing/bundling for NR                                | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710334</a> | Discussion on HARQ process number for NR                                        | LG Electronics | Youngwoo Yun | <a href="#">45048</a> |

|                            |                                                                         |                           |              |                       |
|----------------------------|-------------------------------------------------------------------------|---------------------------|--------------|-----------------------|
| <a href="#">R1-1710335</a> | Discussion on soft buffer management for NR                             | LG Electronics            | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710336</a> | Discussion on pre-emption indication for downlink                       | LG Electronics            | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710337</a> | Discussion on eMBB and URLLC multiplexing for uplink                    | LG Electronics            | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710338</a> | Discussion on scheduling and HARQ procedure for URLLC                   | LG Electronics            | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710339</a> | Support of cross-CC DCI/UCI transmission for NR CA                      | LG Electronics            | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710340</a> | Discussion on dual connectivity with single active UL at a given time   | LG Electronics            | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710341</a> | Discussion on CRC reduction and attachment for eMBB data                | LG Electronics            | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710342</a> | Code block segmentation for eMBB                                        | LG Electronics            | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710343</a> | On rate matching with LDPC code for eMBB                                | LG Electronics            | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710344</a> | Discussion on bit level interleaver                                     | LG Electronics            | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710345</a> | Circulant permutation matrix design for LDPC codes                      | LG Electronics            | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710346</a> | Early termination effect of polar codes                                 | LG Electronics            | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710347</a> | Repetition scheme of polar codes                                        | LG Electronics            | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710348</a> | Design of polar codes with high order modulations                       | LG Electronics            | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710349</a> | Details on PBCH coding                                                  | LG Electronics            | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710350</a> | Discussion on CLI measurement for Duplexing Flexibility                 | LG Electronics            | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710351</a> | Discussion on details of backhaul signaling for duplexing flexibility   | LG Electronics            | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710352</a> | Remaining details on wider bandwidth operation                          | LG Electronics            | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710353</a> | Remaining details on DL sharing between LTE and NR                      | LG Electronics            | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710354</a> | Remaining details on UL sharing between LTE and NR                      | LG Electronics            | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710355</a> | Discussion on power sharing for LTE-NR dual connectivity                | LG Electronics            | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710356</a> | Discussion on uplink power control for NR                               | LG Electronics            | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710357</a> | Discussion on uplink power headroom report for NR                       | LG Electronics            | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710358</a> | Multiplexing NCP and ECP                                                | LG Electronics            | Youngwoo Yun | <a href="#">45048</a> |
| <a href="#">R1-1710359</a> | PT-RS design                                                            | Panasonic Corporation     | Shotaro Maki | <a href="#">69884</a> |
| <a href="#">R1-1710360</a> | Discussion on PRB bundling size for NR DL                               | Spreadtrum Communications | Arto Lehti   | <a href="#">61519</a> |
| <a href="#">R1-1710361</a> | Differential RSRP report for beam management                            | Spreadtrum Communications | Arto Lehti   | <a href="#">61519</a> |
| <a href="#">R1-1710362</a> | DMRS configurations for CP-OFDM.                                        | Spreadtrum Communications | Arto Lehti   | <a href="#">61519</a> |
| <a href="#">R1-1710363</a> | Considerations on PT-RS for CP-OFDM                                     | Spreadtrum Communications | Arto Lehti   | <a href="#">61519</a> |
| <a href="#">R1-1710364</a> | Discussion on beam failure recovery                                     | Spreadtrum Communications | Arto Lehti   | <a href="#">61519</a> |
| <a href="#">R1-1710365</a> | Discussion on CSI-RS design for CSI acquisition                         | Spreadtrum Communications | Arto Lehti   | <a href="#">61519</a> |
| <a href="#">R1-1710366</a> | Discussion on NR-REG to NR-CCE time-/frequency mapping                  | Spreadtrum Communications | Arto Lehti   | <a href="#">61519</a> |
| <a href="#">R1-1710367</a> | Discussion on 1-symbol PUCCH design                                     | Spreadtrum Communications | Arto Lehti   | <a href="#">61519</a> |
| <a href="#">R1-1710368</a> | The relation among UE-specific DCI, GC-PDCCH, and semi-static signaling | Spreadtrum Communications | Arto Lehti   | <a href="#">61519</a> |
| <a href="#">R1-1710369</a> | NR-PBCH RE mapping and SS block composition                             | Spreadtrum Communications | Arto Lehti   | <a href="#">61519</a> |
| <a href="#">R1-1710370</a> | Discussion on time index indication                                     | Spreadtrum Communications | Arto Lehti   | <a href="#">61519</a> |
| <a href="#">R1-1710371</a> | Remaining issues on the subcarrier spacing of SS block                  | Spreadtrum Communications | Arto Lehti   | <a href="#">61519</a> |
| <a href="#">R1-1710372</a> | Remaining issues on SS block and SS burst set composition               | vivo                      | Yu Ding      | <a href="#">67720</a> |
| <a href="#">R1-1710373</a> | Discussion on SS block time index indication                            | vivo                      | Yu Ding      | <a href="#">67720</a> |
| <a href="#">R1-1710374</a> | SS block transmissions and RRM measurement in wideband CC               | vivo                      | Yu Ding      | <a href="#">67720</a> |
| <a href="#">R1-1710375</a> | Views on NR-PBCH contents and payload size                              | vivo                      | Yu Ding      | <a href="#">67720</a> |
| <a href="#">R1-1710376</a> | NR-PBCH RE mapping and evaluation                                       | vivo                      | Yu Ding      | <a href="#">67720</a> |
| <a href="#">R1-1710377</a> | SS block time index for idle/inactive measurement                       | vivo                      | Yu Ding      | <a href="#">67720</a> |
| <a href="#">R1-1710378</a> | CSI-RS configuration for L3 mobility                                    | vivo                      | Yu Ding      | <a href="#">67720</a> |
| <a href="#">R1-1710379</a> | Identification NSA mode during initial access                           | vivo                      | Yu Ding      | <a href="#">67720</a> |

|                            |                                                                                                    |                         |                             |                       |
|----------------------------|----------------------------------------------------------------------------------------------------|-------------------------|-----------------------------|-----------------------|
| <a href="#">R1-1710380</a> | Discussion on UL grant-free transmission                                                           | vivo                    | Yu Ding                     | <a href="#">67720</a> |
| <a href="#">R1-1710381</a> | Scheduling and HARQ aspects for URLLC reliability                                                  | vivo                    | Yu Ding                     | <a href="#">67720</a> |
| <a href="#">R1-1710382</a> | Discussion on pre-emption indication for downlink                                                  | vivo                    | Yu Ding                     | <a href="#">67720</a> |
| <a href="#">R1-1710383</a> | Discussion on UL multiplexing data with different transmission durations                           | vivo                    | Yu Ding                     | <a href="#">67720</a> |
| <a href="#">R1-1710384</a> | Interference analysis for LTE-NR co-existence                                                      | vivo                    | Yu Ding                     | <a href="#">67720</a> |
| <a href="#">R1-1710385</a> | Issues on UL transmission for LTE-NR co-existence                                                  | vivo                    | Yu Ding                     | <a href="#">67720</a> |
| <a href="#">R1-1710386</a> | Discussion on short-PUCCH up to 2-bit                                                              | vivo                    | Yu Ding                     | <a href="#">67720</a> |
| <a href="#">R1-1710387</a> | Discussion on short-PUCCH more than 2-bit                                                          | vivo                    | Yu Ding                     | <a href="#">67720</a> |
| R1-1710388                 | Discussion of PUCCH resource indication                                                            | vivo                    | Yu Ding                     | <a href="#">67720</a> |
| <a href="#">R1-1710389</a> | DMRS design for NR-PDCCH                                                                           | vivo                    | Yu Ding                     | <a href="#">67720</a> |
| <a href="#">R1-1710390</a> | Discussion on REG bundling size/structure                                                          | vivo                    | Yu Ding                     | <a href="#">67720</a> |
| <a href="#">R1-1710391</a> | Discussion on group common PDCCH and BD                                                            | vivo                    | Yu Ding                     | <a href="#">67720</a> |
| <a href="#">R1-1710392</a> | Discussion on downlink RA                                                                          | vivo                    | Yu Ding                     | <a href="#">67720</a> |
| <a href="#">R1-1710393</a> | Discussion on search space design supporting dynamic DCI size                                      | vivo                    | Yu Ding                     | <a href="#">67720</a> |
| <a href="#">R1-1710394</a> | Discussion on NR UE supporting self-contained operation                                            | vivo                    | Yu Ding                     | <a href="#">67720</a> |
| <a href="#">R1-1710395</a> | DCI content size and compression                                                                   | vivo                    | Yu Ding                     | <a href="#">67720</a> |
| <a href="#">R1-1710396</a> | Discussion on CB grouping                                                                          | vivo                    | Yu Ding                     | <a href="#">67720</a> |
| <a href="#">R1-1710397</a> | Discussion on flexible length scheduling                                                           | vivo                    | Yu Ding                     | <a href="#">67720</a> |
| <a href="#">R1-1710398</a> | NR transmission on anchor bandwidth part                                                           | vivo                    | Yu Ding                     | <a href="#">67720</a> |
| <a href="#">R1-1710399</a> | Beam management and beam reporting                                                                 | vivo                    | Yu Ding                     | <a href="#">67720</a> |
| <a href="#">R1-1710400</a> | Beam failure recovery procedure                                                                    | vivo                    | Yu Ding                     | <a href="#">67720</a> |
| <a href="#">R1-1710401</a> | On CSI-RS design for beam management                                                               | vivo                    | Yu Ding                     | <a href="#">67720</a> |
| <a href="#">R1-1710402</a> | On DL DMRS design                                                                                  | vivo                    | Yu Ding                     | <a href="#">67720</a> |
| <a href="#">R1-1710403</a> | On PT-RS design for CP-OFDM                                                                        | vivo                    | Yu Ding                     | <a href="#">67720</a> |
| <a href="#">R1-1710404</a> | UL multi-beam power control                                                                        | vivo                    | Yu Ding                     | <a href="#">67720</a> |
| <a href="#">R1-1710405</a> | Feasibility study on subband constellation rotation for uplink PAPR reduction for CP-OFDM waveform | vivo                    | Yu Ding                     | <a href="#">67720</a> |
| <a href="#">R1-1710406</a> | PAE consideration on supporting CP-OFDM and DFT-S-OFDM                                             | vivo                    | Yu Ding                     | <a href="#">67720</a> |
| <a href="#">R1-1710407</a> | Forward compatibility consideration for ECP design and NR-MBMS                                     | vivo                    | Yu Ding                     | <a href="#">67720</a> |
| <a href="#">R1-1710408</a> | On pre-DFT RS/UCI multiplexing for PUCCH in short duration                                         | Mitsubishi Electric RCE | Cristina Ciocchina-Duchesne | <a href="#">56339</a> |
| <a href="#">R1-1710409</a> | Views on SRS designs                                                                               | Mitsubishi Electric Co. | Fumihiro Hasegawa           | <a href="#">61720</a> |
| <a href="#">R1-1710410</a> | Evaluation of DL DMRS designs                                                                      | Mitsubishi Electric Co. | Fumihiro Hasegawa           | <a href="#">61720</a> |
| <a href="#">R1-1710411</a> | Views on DL DMRS designs                                                                           | Mitsubishi Electric Co. | Fumihiro Hasegawa           | <a href="#">61720</a> |
| <a href="#">R1-1710412</a> | NR SS block and burst set composition                                                              | AT&T                    | Milap Majmunder             | <a href="#">70953</a> |
| <a href="#">R1-1710413</a> | Further details on forward compatible resources in NR                                              | AT&T                    | Milap Majmunder             | <a href="#">70953</a> |
| <a href="#">R1-1710414</a> | Transmission duration indication for symbol-level/slot-level/multi-slot-level scheduling           | AT&T                    | Milap Majmunder             | <a href="#">70953</a> |
| <a href="#">R1-1710415</a> | Remaining details on the number of HARQ processes in NR                                            | AT&T                    | Milap Majmunder             | <a href="#">70953</a> |
| <a href="#">R1-1710416</a> | Design considerations for NR operation with wide bandwidths                                        | AT&T                    | Milap Majmunder             | <a href="#">70953</a> |
| <a href="#">R1-1710417</a> | Remaining details of NR-LTE coexistence in overlapping spectrum                                    | AT&T                    | Milap Majmunder             | <a href="#">70953</a> |
| <a href="#">R1-1710418</a> | HARQ-ACK feedback timing for FDD, semi-static TDD and mini-slot based transmissions                | AT&T                    | Milap Majmunder             | <a href="#">70953</a> |
| <a href="#">R1-1710419</a> | SS block time index indication                                                                     | AT&T                    | Milap Majmunder             | <a href="#">70953</a> |
| <a href="#">R1-1710420</a> | SS block transmissions in a wideband CC                                                            | AT&T                    | Milap Majmunder             | <a href="#">70953</a> |
| <a href="#">R1-1710421</a> | Details of NR-PBCH contents                                                                        | AT&T                    | Milap Majmunder             | <a href="#">70953</a> |
| <a href="#">R1-1710422</a> | DL Tx beam reporting in msg. 3                                                                     | AT&T                    | Milap Majmunder             | <a href="#">70953</a> |
| <a href="#">R1-1710423</a> | Measurement based on SS block                                                                      | AT&T                    | Milap Majmunder             | <a href="#">70953</a> |
| <a href="#">R1-1710424</a> | Measurement based on CSI-RS for L3 mobility                                                        | AT&T                    | Milap Majmunder             | <a href="#">70953</a> |
| <a href="#">R1-1710425</a> | Radio link monitoring                                                                              | AT&T                    | Milap Majmunder             | <a href="#">70953</a> |

|                            |                                                                           |                   |                 |                       |
|----------------------------|---------------------------------------------------------------------------|-------------------|-----------------|-----------------------|
| <a href="#">R1-1710426</a> | Remaining details of codeword mapping for NR MIMO                         | AT&T              | Milap Majmundar | <a href="#">70953</a> |
| <a href="#">R1-1710427</a> | UL diversity transmission for NR                                          | AT&T              | Milap Majmundar | <a href="#">70953</a> |
| <a href="#">R1-1710428</a> | On the details of multi-TRP and multi-panel transmission                  | AT&T              | Milap Majmundar | <a href="#">70953</a> |
| <a href="#">R1-1710429</a> | On the need of per RE level PDSCH rate-matching and RE mapping signalling | AT&T              | Milap Majmundar | <a href="#">70953</a> |
| <a href="#">R1-1710430</a> | DL beam management details                                                | AT&T              | Milap Majmundar | <a href="#">70953</a> |
| <a href="#">R1-1710431</a> | Considerations on beam failure recovery mechanism                         | AT&T              | Milap Majmundar | <a href="#">70953</a> |
| <a href="#">R1-1710432</a> | Discussion on the channels to carry CSI report                            | AT&T              | Milap Majmundar | <a href="#">70953</a> |
| <a href="#">R1-1710433</a> | On the details of CSI acquisition                                         | AT&T              | Milap Majmundar | <a href="#">70953</a> |
| <a href="#">R1-1710434</a> | CSI feedback for closed loop and semi open loop transmission schemes      | AT&T              | Milap Majmundar | <a href="#">70953</a> |
| <a href="#">R1-1710435</a> | Multiplexing of CSI-RS with PDSCH in mixed numerology scenarios           | AT&T              | Milap Majmundar | <a href="#">70953</a> |
| <a href="#">R1-1710436</a> | Remaining details of CSI-RS                                               | AT&T              | Milap Majmundar | <a href="#">70953</a> |
| <a href="#">R1-1710437</a> | Control channel configuration for multi-TRP and multi-panel transmission  | AT&T              | Milap Majmundar | <a href="#">70953</a> |
| <a href="#">R1-1710438</a> | Group common PDCCH Structure for NR                                       | AT&T              | Milap Majmundar | <a href="#">70953</a> |
| <a href="#">R1-1710439</a> | On the contents of group common PDCCH                                     | AT&T              | Milap Majmundar | <a href="#">70953</a> |
| <a href="#">R1-1710440</a> | UE behaviour for group common PDCCH                                       | AT&T              | Milap Majmundar | <a href="#">70953</a> |
| <a href="#">R1-1710441</a> | Transmit diversity for PUCCH                                              | AT&T              | Milap Majmundar | <a href="#">70953</a> |
| <a href="#">R1-1710442</a> | On CBG construction for NR PDSCH and PUSCH                                | AT&T              | Milap Majmundar | <a href="#">70953</a> |
| <a href="#">R1-1710443</a> | DCI design for CBG based re transmission                                  | AT&T              | Milap Majmundar | <a href="#">70953</a> |
| <a href="#">R1-1710444</a> | Uplink control channel design for CBG based re transmission               | AT&T              | Milap Majmundar | <a href="#">70953</a> |
| <a href="#">R1-1710445</a> | Minimum UE bandwidth in NR                                                | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1710446</a> | Codeword to layer mapping in NR                                           | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1710447</a> | Codebook based transmission for UL MIMO                                   | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1710448</a> | Diversity-based transmission for UL                                       | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1710449</a> | General views on DL beam management                                       | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1710450</a> | Multi-beam transmission for DL control channel                            | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1710451</a> | CSI acquisition details for NCJT                                          | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1710452</a> | CSI acquisition details for hybrid CSI                                    | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1710453</a> | The remaining issues for Type I codebook                                  | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1710454</a> | The remaining issues for Type II codebook                                 | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1710455</a> | Signaling of DMRS ports for SU/MU-MIMO                                    | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1710456</a> | DMRS design for URLLC                                                     | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1710457</a> | Considerations on UE-specific RS Sequence Design                          | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1710458</a> | Discussion on UL DMRS power boosting                                      | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1710459</a> | Discussion on UL SRS transmission power                                   | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1710460</a> | Resource sharing between NR-PDCCH and data                                | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1710461</a> | PUCCH resource allocation for HARQ-ACK and SR                             | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1710462</a> | On HARQ-ACK multiplexing and/or bundling                                  | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1710463</a> | Transmit diversity for PUCCH                                              | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1710464</a> | Multiplexing of PUCCH and PUSCH                                           | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1710465</a> | On uplink data scheduling                                                 | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1710466</a> | Consideration on subsequent transmission after pre-emption                | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1710467</a> | DCI design for URLLC                                                      | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1710468</a> | Discussion on Multi-TRP cooperation for URLLC                             | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1710469</a> | Support of URLLC for TDD                                                  | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1710470</a> | Necessity of multiple sequence for Polar code                             | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1710471</a> | CRC polynomial for L1 control information and MIB                         | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1710472</a> | Benefits of implicit soft combining for PBCH by Polar code construction   | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1710473</a> | Network-based mechanism for millimeter-wave link recovery                 | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1710474</a> | Further consideration on pi/2 BPSK with FDSS                              | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1710475</a> | Discussion on PHR calculation                                             | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1710476</a> | UE behavior related to group-common PDCCH                                 | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1710477</a> | Discussion on other system information delivery                           | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1710478</a> | RACH procedures and resource configuration                                | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |

|                            |                                                                      |                   |                   |                       |
|----------------------------|----------------------------------------------------------------------|-------------------|-------------------|-----------------------|
| <a href="#">R1-1710479</a> | Evaluation of PM based early termination for Polar code              | Huawei, HiSilicon | Brian Classon     | <a href="#">45750</a> |
| <a href="#">R1-1710480</a> | CRC Attachment for Code Block Group                                  | Ericsson          | Yufei Blankenship | <a href="#">59257</a> |
| <a href="#">R1-1710481</a> | Study of Number of CRC Bits for Code Blocks                          | Ericsson          | Yufei Blankenship | <a href="#">59257</a> |
| <a href="#">R1-1710482</a> | Study of Number of CRC Bits for Small Transport Blocks               | Ericsson          | Yufei Blankenship | <a href="#">59257</a> |
| <a href="#">R1-1710483</a> | LDPC Code Performance at High Code Rate                              | Ericsson          | Yufei Blankenship | <a href="#">59257</a> |
| <a href="#">R1-1710484</a> | Bit Ordering for Circular Buffer of LDPC Codes                       | Ericsson          | Yufei Blankenship | <a href="#">59257</a> |
| <a href="#">R1-1710485</a> | Rate Matching for NR LDPC codes                                      | Ericsson          | Yufei Blankenship | <a href="#">59257</a> |
| <a href="#">R1-1710486</a> | Throughput Requirements of LDPC Decoder                              | Ericsson          | Yufei Blankenship | <a href="#">59257</a> |
| <a href="#">R1-1710487</a> | LDPC Code Design for Base Graph #1                                   | Ericsson          | Yufei Blankenship | <a href="#">59257</a> |
| <a href="#">R1-1710488</a> | LDPC Code Design for Base Graph #2                                   | Ericsson          | Yufei Blankenship | <a href="#">59257</a> |
| <a href="#">R1-1710489</a> | Application of Two Base Graphs for NR Data Channels                  | Ericsson          | Yufei Blankenship | <a href="#">59257</a> |
| <a href="#">R1-1710490</a> | CRC-based Polar Code Construction                                    | Ericsson          | Yufei Blankenship | <a href="#">59257</a> |
| <a href="#">R1-1710491</a> | Study of Early Termination for DCI                                   | Ericsson          | Yufei Blankenship | <a href="#">59257</a> |
| <a href="#">R1-1710492</a> | Information Sequence Design for Polar Codes                          | Ericsson          | Yufei Blankenship | <a href="#">59257</a> |
| <a href="#">R1-1710493</a> | On Bit Mapping Design for Polar Codes                                | Ericsson          | Yufei Blankenship | <a href="#">59257</a> |
| <a href="#">R1-1710494</a> | Impact of Puncturing on Bit-channel Capacities                       | Ericsson          | Yufei Blankenship | <a href="#">59257</a> |
| <a href="#">R1-1710495</a> | Polar Code Performance in Fading Channel                             | Ericsson          | Yufei Blankenship | <a href="#">59257</a> |
| <a href="#">R1-1710496</a> | Thresholds for Mother Code Size Determination                        | Ericsson          | Yufei Blankenship | <a href="#">59257</a> |
| <a href="#">R1-1710497</a> | Study of Number of CRC Bits for PBCH                                 | Ericsson          | Yufei Blankenship | <a href="#">59257</a> |
| <a href="#">R1-1710498</a> | Polar Code Design for NR-PBCH                                        | Ericsson          | Yufei Blankenship | <a href="#">59257</a> |
| <a href="#">R1-1710499</a> | LDPC Code Performance for High Reliability Use Cases                 | Ericsson          | Yufei Blankenship | <a href="#">59257</a> |
| <a href="#">R1-1710500</a> | Draft Reply LS on reading time index indication for RRM measurements | Intel Corporation | Seunghee Han      | <a href="#">47329</a> |
| <a href="#">R1-1710501</a> | NR PSS and SSS design                                                | Intel Corporation | Seunghee Han      | <a href="#">47329</a> |
| <a href="#">R1-1710502</a> | SS Burst Set Composition                                             | Intel Corporation | Seunghee Han      | <a href="#">47329</a> |
| <a href="#">R1-1710503</a> | Time Index Signaling for SS Blocks                                   | Intel Corporation | Seunghee Han      | <a href="#">47329</a> |
| <a href="#">R1-1710504</a> | SS Block(s) in Wideband Operation                                    | Intel Corporation | Seunghee Han      | <a href="#">47329</a> |
| <a href="#">R1-1710505</a> | NR PBCH Design                                                       | Intel Corporation | Seunghee Han      | <a href="#">47329</a> |
| <a href="#">R1-1710506</a> | SS Block Composition                                                 | Intel Corporation | Seunghee Han      | <a href="#">47329</a> |
| <a href="#">R1-1710507</a> | DMRS Sequence for NR PBCH                                            | Intel Corporation | Seunghee Han      | <a href="#">47329</a> |
| <a href="#">R1-1710508</a> | RMSI Delivery Mechanisms                                             | Intel Corporation | Seunghee Han      | <a href="#">47329</a> |
| <a href="#">R1-1710509</a> | NR Paging Design                                                     | Intel Corporation | Seunghee Han      | <a href="#">47329</a> |
| <a href="#">R1-1710510</a> | NR PRACH Preamble design                                             | Intel Corporation | Seunghee Han      | <a href="#">47329</a> |
| <a href="#">R1-1710511</a> | Discussions on PRACH Capacity                                        | Intel Corporation | Seunghee Han      | <a href="#">47329</a> |
| <a href="#">R1-1710512</a> | PRACH Power ramping procedure                                        | Intel Corporation | Seunghee Han      | <a href="#">47329</a> |
| <a href="#">R1-1710513</a> | 4-step PRACH Procedures                                              | Intel Corporation | Seunghee Han      | <a href="#">47329</a> |
| <a href="#">R1-1710514</a> | SS Block based RRM Measurements                                      | Intel Corporation | Seunghee Han      | <a href="#">47329</a> |
| <a href="#">R1-1710515</a> | CSI-RS based RRM Measurements                                        | Intel Corporation | Seunghee Han      | <a href="#">47329</a> |
| <a href="#">R1-1710516</a> | NR Radio Link Monitoring                                             | Intel Corporation | Seunghee Han      | <a href="#">47329</a> |
| <a href="#">R1-1710517</a> | Remaining details on CW to MIMO layer mapping                        | Intel Corporation | Seunghee Han      | <a href="#">47329</a> |
| <a href="#">R1-1710518</a> | On codebook based UL transmission                                    | Intel Corporation | Seunghee Han      | <a href="#">47329</a> |
| <a href="#">R1-1710519</a> | On non-codebook based UL transmission                                | Intel Corporation | Seunghee Han      | <a href="#">47329</a> |
| <a href="#">R1-1710520</a> | On diversity based UL transmission                                   | Intel Corporation | Seunghee Han      | <a href="#">47329</a> |
| <a href="#">R1-1710521</a> | On PRB bundling for DL                                               | Intel Corporation | Seunghee Han      | <a href="#">47329</a> |
| <a href="#">R1-1710522</a> | Discussion on uplink multi-panel and multi-TRP operation             | Intel Corporation | Seunghee Han      | <a href="#">47329</a> |
| <a href="#">R1-1710523</a> | Support of downlink NC-JT in NR                                      | Intel Corporation | Seunghee Han      | <a href="#">47329</a> |
| <a href="#">R1-1710524</a> | Rate matching for NR                                                 | Intel Corporation | Seunghee Han      | <a href="#">47329</a> |
| <a href="#">R1-1710525</a> | Details for UL Beam Management                                       | Intel Corporation | Seunghee Han      | <a href="#">47329</a> |
| <a href="#">R1-1710526</a> | Details for DL Beam Management                                       | Intel Corporation | Seunghee Han      | <a href="#">47329</a> |
| <a href="#">R1-1710527</a> | Discussion for Mechanism to Recover from Beam Failure                | Intel Corporation | Seunghee Han      | <a href="#">47329</a> |
| <a href="#">R1-1710528</a> | On Timing Advance for multi-beam operation                           | Intel Corporation | Seunghee Han      | <a href="#">47329</a> |
| <a href="#">R1-1710529</a> | On NR CSI framework                                                  | Intel Corporation | Seunghee Han      | <a href="#">47329</a> |

|                            |                                                                                         |                   |              |                       |
|----------------------------|-----------------------------------------------------------------------------------------|-------------------|--------------|-----------------------|
| <a href="#">R1-1710530</a> | On Details of CSI acquisition                                                           | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710531</a> | On multiplexing of different RS types                                                   | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710532</a> | On CSI-RS for beam management                                                           | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710533</a> | On CSI-RS for CSI acquisition                                                           | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710534</a> | On the remaining details of DM-RS design                                                | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710535</a> | On PT-RS for CP-OFDM                                                                    | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710536</a> | On PT-RS for DFT-s-OFDM                                                                 | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710537</a> | Discussion on SRS for NR                                                                | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710538</a> | Discussion on TRS                                                                       | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710539</a> | On QCL for different BW parts and other QCL details                                     | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710540</a> | Calibration results for Phase 2 NR MIMO system level calibration                        | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710541</a> | NR PDCCH physical structure                                                             | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710542</a> | On DM-RS design for NR PDCCH                                                            | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710543</a> | CORESETs for NR PDCCH                                                                   | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710544</a> | NR PDCCH: Search spaces and monitoring behavior                                         | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710545</a> | Multi-beam operation for NR PDCCH                                                       | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710546</a> | Dynamic resource sharing between control and data                                       | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710547</a> | Group-common PDCCH: Physical structure                                                  | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710548</a> | Group-common PDCCH: Contents                                                            | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710549</a> | Group-common PDCCH: UE behavior                                                         | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710550</a> | Satisfying ultra-reliability targets for NR PDCCH                                       | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710551</a> | Performance of short PUCCH format for 1~2 bits HARQ-ACK                                 | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710552</a> | 2-symbol NR PUCCH                                                                       | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710553</a> | Structure of 1~2 bits HARQ-ACK long PUCCH with TDM DMRS                                 | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710554</a> | Long PUCCH for moderate and large payload                                               | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710555</a> | Long PUCCH over multiple slots                                                          | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710556</a> | Transmit diversity for PUCCH                                                            | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710557</a> | Resource allocation for PUCCH during initial access                                     | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710558</a> | UCI multiplexing onto PUSCH                                                             | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710559</a> | PUCCH-PUSCH multiplexing                                                                | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710560</a> | On UL control channel design aspects for URLLC                                          | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710561</a> | Configurations of various long PUCCH lengths                                            | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710562</a> | Short PUCCH formats for 1~2 bits UCI                                                    | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710563</a> | Cyclic shift assignment and CM for FDM DMRS and UCI                                     | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710564</a> | Short UL control channel early in a slot                                                | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710565</a> | DL/UL data frequency-domain resource allocation                                         | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710566</a> | Time-domain resource allocation for DL and UL data                                      | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710567</a> | SR configuration and UL data scheduling                                                 | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710568</a> | UL grant-free transmissions: Resource configuration                                     | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710569</a> | On CBG construction                                                                     | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710570</a> | DCI design and scheduling of CBG-based (re)transmissions                                | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710571</a> | HARQ-ACK feedback for CBG-based (re)transmissions                                       | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710572</a> | HARQ-ACK multiplexing and bundling                                                      | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710573</a> | On HARQ processes and HARQ RTT                                                          | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710574</a> | Soft-buffer requirements in NR                                                          | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710575</a> | Remaining details of DL pre-emption indication                                          | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710576</a> | Multiplexing of UL transmissions with different data durations and latency requirements | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710577</a> | On link adaptation enhancements to support URLLC                                        | Intel Corporation | Seunghee Han | <a href="#">47329</a> |
| <a href="#">R1-1710578</a> | Scheduling and UCI feedback for carrier aggregation                                     | Intel Corporation | Seunghee Han | <a href="#">47329</a> |

|                            |                                                                                               |                                |               |                       |
|----------------------------|-----------------------------------------------------------------------------------------------|--------------------------------|---------------|-----------------------|
| <a href="#">R1-1710579</a> | On SRS fast switching                                                                         | Intel Corporation              | Seunghee Han  | <a href="#">47329</a> |
| <a href="#">R1-1710580</a> | On Dual Connectivity for NR                                                                   | Intel Corporation              | Seunghee Han  | <a href="#">47329</a> |
| <a href="#">R1-1710581</a> | Details on cross-link interference measurement                                                | Intel Corporation              | Seunghee Han  | <a href="#">47329</a> |
| <a href="#">R1-1710582</a> | On RS transmission location for cross-link interference measurement for NR duplex flexibility | Intel Corporation              | Seunghee Han  | <a href="#">47329</a> |
| <a href="#">R1-1710583</a> | Open issues for wider bandwidth operations                                                    | Intel Corporation              | Seunghee Han  | <a href="#">47329</a> |
| <a href="#">R1-1710584</a> | Open issues for LTE-NR coexistence                                                            | Intel Corporation              | Seunghee Han  | <a href="#">47329</a> |
| <a href="#">R1-1710585</a> | Power sharing mechanism for NR dual connectivity                                              | Intel Corporation              | Seunghee Han  | <a href="#">47329</a> |
| <a href="#">R1-1710586</a> | PUSCH and PUCCH power control                                                                 | Intel Corporation              | Seunghee Han  | <a href="#">47329</a> |
| <a href="#">R1-1710587</a> | Polar code construction for NR control channel                                                | NEC Corporation                | Prakash Chaki | <a href="#">70856</a> |
| <a href="#">R1-1710588</a> | Results for short PUCCH for UCI of up to 2 bits                                               | IITH                           | Kuchi Kiran   | <a href="#">61192</a> |
| <a href="#">R1-1710589</a> | Further discussion on pre-DFT multiplexing for short PUCCH                                    | IITH                           | Kuchi Kiran   | <a href="#">61192</a> |
| <a href="#">R1-1710590</a> | Views on long-duration PUCCH                                                                  | IITH                           | Kuchi Kiran   | <a href="#">61192</a> |
| <a href="#">R1-1710591</a> | Sequence design evaluation for rate-matched polar codes                                       | NEC Corporation                | Prakash Chaki | <a href="#">70856</a> |
| <a href="#">R1-1710592</a> | Next steps for pi/2 BPSK with spectrum shaping                                                | IITH                           | Kuchi Kiran   | <a href="#">61192</a> |
| <a href="#">R1-1710593</a> | Discussion on CBG grouping                                                                    | Guangdong OPPO Mobile Telecom. | Jia Shen      | <a href="#">67727</a> |
| <a href="#">R1-1710594</a> | On codeword to RE mapping scheme                                                              | Lenovo, Motorola Mobility      | Chenxi Zhu    | <a href="#">64707</a> |
| <a href="#">R1-1710595</a> | Discussion of RS for DL beam management                                                       | Lenovo, Motorola Mobility      | Chenxi Zhu    | <a href="#">64707</a> |
| <a href="#">R1-1710596</a> | Discussion of beam recovery procedure                                                         | Lenovo, Motorola Mobility      | Chenxi Zhu    | <a href="#">64707</a> |
| <a href="#">R1-1710597</a> | Enhanced SR carried in UL control channel                                                     | Lenovo, Motorola Mobility      | Chenxi Zhu    | <a href="#">64707</a> |
| <a href="#">R1-1710598</a> | Long PUCCH design for UCI of up to 2 bits                                                     | Lenovo, Motorola Mobility      | Chenxi Zhu    | <a href="#">64707</a> |
| <a href="#">R1-1710599</a> | Long PUCCH design for UCI of more than 2 bits                                                 | Lenovo, Motorola Mobility      | Chenxi Zhu    | <a href="#">64707</a> |
| <a href="#">R1-1710600</a> | Long PUCCH over multiple slots                                                                | Lenovo, Motorola Mobility      | Chenxi Zhu    | <a href="#">64707</a> |
| <a href="#">R1-1710601</a> | UL grant-free transmission for URLLC                                                          | Lenovo, Motorola Mobility      | Chenxi Zhu    | <a href="#">64707</a> |
| <a href="#">R1-1710602</a> | CBG construction for CBG-based retransmission                                                 | Lenovo, Motorola Mobility      | Chenxi Zhu    | <a href="#">64707</a> |
| <a href="#">R1-1710603</a> | DL control signalling for CBG-based retransmission                                            | Lenovo, Motorola Mobility      | Chenxi Zhu    | <a href="#">64707</a> |
| <a href="#">R1-1710604</a> | UL HARQ-ACK feedback for CBG-based retransmission                                             | Lenovo, Motorola Mobility      | Chenxi Zhu    | <a href="#">64707</a> |
| <a href="#">R1-1710605</a> | HARQ-ACK codebook design for CBG-based transmission                                           | Lenovo, Motorola Mobility      | Chenxi Zhu    | <a href="#">64707</a> |
| <a href="#">R1-1710606</a> | On eMBB/URLLC multiplexing for uplink transmission                                            | Lenovo, Motorola Mobility      | Chenxi Zhu    | <a href="#">64707</a> |
| <a href="#">R1-1710607</a> | On DM-RS for NR                                                                               | Intel Corporation              | Seunghee Han  | <a href="#">47329</a> |
| <a href="#">R1-1710608</a> | Delivery of remaining minimum system information                                              | ETRI                           | Jihyung Kim   | <a href="#">65152</a> |
| <a href="#">R1-1710609</a> | Delivery of other system information                                                          | ETRI                           | Jihyung Kim   | <a href="#">65152</a> |
| <a href="#">R1-1710610</a> | NR-PRACH for various use cases                                                                | ETRI                           | Jihyung Kim   | <a href="#">65152</a> |
| <a href="#">R1-1710611</a> | Discussion on codeword mapping                                                                | ETRI                           | Jihyung Kim   | <a href="#">65152</a> |
| <a href="#">R1-1710612</a> | Discussion on downlink DMRS design                                                            | ETRI                           | Jihyung Kim   | <a href="#">65152</a> |
| <a href="#">R1-1710613</a> | Discussion on uplink DMRS design                                                              | ETRI                           | Jihyung Kim   | <a href="#">65152</a> |
| <a href="#">R1-1710614</a> | NR-PDCCH mapping structure and REG bundle size                                                | ETRI                           | Jihyung Kim   | <a href="#">65152</a> |
| <a href="#">R1-1710615</a> | DMRS design for NR-PDCCH                                                                      | ETRI                           | Jihyung Kim   | <a href="#">65152</a> |
| <a href="#">R1-1710616</a> | NR-PDCCH for broadcast information delivery                                                   | ETRI                           | Jihyung Kim   | <a href="#">65152</a> |
| <a href="#">R1-1710617</a> | Discussion on dynamic indication of PDSCH start symbol                                        | ETRI                           | Jihyung Kim   | <a href="#">65152</a> |
| <a href="#">R1-1710618</a> | Short-PUCCH for UCI of up to 2 bits                                                           | ETRI                           | Jihyung Kim   | <a href="#">65152</a> |
| <a href="#">R1-1710619</a> | Short-PUCCH for UCI of more than 2 bits                                                       | ETRI                           | Jihyung Kim   | <a href="#">65152</a> |
| <a href="#">R1-1710620</a> | Long-PUCCH over multiple slots                                                                | ETRI                           | Jihyung Kim   | <a href="#">65152</a> |
| <a href="#">R1-1710621</a> | Resource allocation and transmission scheme for URLLC grant-free transmission                 | ETRI                           | Jihyung Kim   | <a href="#">65152</a> |
| <a href="#">R1-1710622</a> | UE bandwidth configuration during initial access                                              | ETRI                           | Jihyung Kim   | <a href="#">65152</a> |
| <a href="#">R1-1710623</a> | Remaining details on SS sequence design                                                       | Samsung                        | Younsun Kim   | <a href="#">43499</a> |

|                            |                                                                            |         |             |                       |
|----------------------------|----------------------------------------------------------------------------|---------|-------------|-----------------------|
| <a href="#">R1-1710624</a> | SS burst set composition                                                   | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710625</a> | Timing indication based on SS block                                        | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710626</a> | Remaining details on multiple SS block transmissions in wideband CC        | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710627</a> | NR-PBCH contents and payload size                                          | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710628</a> | NR-PBCH RE mapping and SS block composition                                | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710629</a> | Sequence design of DMRS for NR-PBCH                                        | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710630</a> | Remaining minimum system information delivery                              | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710631</a> | Other system information delivery                                          | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710632</a> | Paging design                                                              | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710633</a> | PRACH preamble format details for long/short sequence length               | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710634</a> | PRACH preamble format details for capacity enhancement and beam management | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710635</a> | Power ramping and power control during RA procedure                        | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710636</a> | 4-step RACH procedure                                                      | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710637</a> | Measurement based on SS block                                              | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710638</a> | Measurement based on CSI-RS for L3 mobility                                | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710639</a> | Radio link monitoring                                                      | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710640</a> | Discussion on SS periodicity and PBCH TTI                                  | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710641</a> | Considerations on PRACH design in high-mobility scenario                   | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710642</a> | Finalizing Layer Mapping                                                   | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710643</a> | Codebook-Based UL Transmission                                             | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710644</a> | Discussion on Non-Codebook-Based UL Transmission                           | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710645</a> | Diversity transmission for UL                                              | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710646</a> | PRB bundling for NR DMRS                                                   | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710647</a> | Discussions on NR DL network coordination                                  | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710648</a> | Discussions on NR UL multi-panel/multi-TRP                                 | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710649</a> | On PDSCH rate matching for NR                                              | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710650</a> | Discussion on transmission parameter sets                                  | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710651</a> | Discussion of number of PDSCHs in NR-CoMP                                  | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710652</a> | Multi-TA procedures for Multi-TRP                                          | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710653</a> | UL beam management                                                         | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710654</a> | DL beam management for NR                                                  | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710655</a> | Beam failure recovery                                                      | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710656</a> | Measurement and reporting for beam management                              | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710657</a> | Discussion on Group based reporting                                        | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710658</a> | Discussion on Tx beam grouping configuration                               | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710659</a> | Discussion on beam indication for PDSCH                                    | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710660</a> | L1 RSRP reporting for beam management                                      | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710661</a> | L1-RSRP measurement duration                                               | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710662</a> | On SS-block based beam management                                          | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710663</a> | DL beam management configuration                                           | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710664</a> | QCL associations for beam management RS                                    | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710665</a> | Aperiodic BSI reporting                                                    | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710666</a> | Beam management for PDCCH                                                  | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710667</a> | CSI Acquisition and Beam Management Framework                              | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710668</a> | Discussions on CSI measurements and reporting for NR                       | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710669</a> | CSI Reporting for Reciprocity Operation                                    | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710670</a> | Remaining details of Type I and Type II CSI codebooks                      | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710671</a> | CSI support for transparent precoder cycling                               | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710672</a> | CSI parameters and multiplexing                                            | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710673</a> | Differential reporting of Type II CSI                                      | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710674</a> | On higher rank (3 and 4) Type II CSI                                       | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710675</a> | Discussion on CSI-RS Resource Activation                                   | Samsung | Younsun Kim | <a href="#">43499</a> |

|                            |                                                              |         |             |                       |
|----------------------------|--------------------------------------------------------------|---------|-------------|-----------------------|
| <a href="#">R1-1710676</a> | Discussions on channel and interference measurements for NR  | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710677</a> | Discussions on CSI Feedback Signalling Overhead Reduction    | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710678</a> | Discussions on multiplexing of different types of RSs for DL | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710679</a> | Discussions on multiplexing of different types of RSs for UL | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710680</a> | Discussions on CSI-RS design for NR MIMO                     | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710681</a> | CSI-RS for beam management                                   | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710682</a> | Discussion on DL DMRS design for NR                          | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710683</a> | Evaluation results on DL DMRS for NR                         | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710684</a> | Discussion on UL DMRS design for NR                          | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710685</a> | Evaluation results on UL DMRS for NR                         | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710686</a> | On DL PTRS design                                            | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710687</a> | On UL PTRS for DFT-s-OFDM                                    | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710688</a> | SRS design for NR                                            | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710689</a> | Discussions on fine time/frequency tracking for NR           | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710690</a> | On QCL for NR                                                | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710691</a> | Resource Mapping for PDCCH                                   | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710692</a> | DMRS Structure for PDCCH                                     | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710693</a> | CORESET Configurations                                       | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710694</a> | Search Space Design                                          | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710695</a> | Multibeam Transmission for PDCCH                             | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710696</a> | Multiplexing NR-PDCCH and PDSCH                              | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710697</a> | UE-Group Common PDCCH Structure                              | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710698</a> | Functionalities of UE-Common PDCCH                           | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710699</a> | UE Behavior for UE-Group Common PDCCH Detection              | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710700</a> | PDCCH Design for URLLC                                       | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710701</a> | Transmit Diversity for PDCCH                                 | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710702</a> | Bandwidth Part Hopping for CORESETS                          | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710703</a> | Short PUCCH for UCI of 1 or 2 Bits                           | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710704</a> | Short PUCCH for UCI of more than 2 Bits                      | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710705</a> | Long PUCCH for UCI of 1 or 2 Bits                            | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710706</a> | Long PUCCH for UCI of more than 2 Bits                       | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710707</a> | Multi-Slot Long PUCCH Transmission                           | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710708</a> | Transmit Diversity for PUCCH                                 | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710709</a> | Resource Allocation for PUCCH with HARQ-ACK                  | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710710</a> | On UCI Multiplexing in PUSCH                                 | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710711</a> | On Simultaneous PUSCH and PUCCH Transmissions                | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710712</a> | PUCCH Design for URLLC                                       | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710713</a> | Performance Results for Long PUCCH                           | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710714</a> | Performance Results for UCI and Data Multiplexing            | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710715</a> | UE-Group CSI Reporting                                       | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710716</a> | Multiplexing PUSCH with Short PUCCH or SRS                   | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710717</a> | BSI/CSI Transmission on PUCCH                                | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710718</a> | DL/UL Frequency Resource Allocation                          | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710719</a> | DL/UL Time Resource Allocation                               | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710720</a> | Transport Block Size Determination                           | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710721</a> | SR Transmission for Multiple Configurations                  | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710722</a> | Procedures for Grant-Based UL Transmissions                  | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710723</a> | Procedures for Grant-Free UL Transmissions                   | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710724</a> | Grant-Free and Grant-Based UL Transmissions                  | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710725</a> | CBG Construction                                             | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710726</a> | Scheduling for CBG Retransmissions                           | Samsung | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710727</a> | HARQ-ACK Feedback for CBG-Based Retransmissions              | Samsung | Younsun Kim | <a href="#">43499</a> |

|                            |                                                                                     |                           |             |                       |
|----------------------------|-------------------------------------------------------------------------------------|---------------------------|-------------|-----------------------|
| <a href="#">R1-1710728</a> | HARQ-ACK Feedback Timing                                                            | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710729</a> | HARQ-ACK Codeword Determination                                                     | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710730</a> | On Number of HARQ Processes and HARQ RTT                                            | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710731</a> | Soft Buffer Partitioning                                                            | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710732</a> | Indication of Preempted Resources in DL                                             | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710733</a> | On Indication of Preempted Resources in UL                                          | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710734</a> | Scheduling/HARQ Procedures for URLLC                                                | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710735</a> | Remaining Aspects for Short Scheduling Durations                                    | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710736</a> | Triggered UCI Transmissions                                                         | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710737</a> | DL Resource Allocation for Multiplexing Data with Different Transmissions Durations | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710738</a> | Average User Plane Latency for Preemption based Multiplexing                        | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710739</a> | Cross-Carrier Scheduling and HARQ-ACK Feedback                                      | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710740</a> | Fast Carrier Switching for SRS Transmissions                                        | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710741</a> | DC for UE with Single UL Carrier Capability                                         | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710742</a> | CB segmentation on data channel                                                     | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710743</a> | UE operation for two different base graphs                                          | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710744</a> | LDPC Code for BG#1                                                                  | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710745</a> | LDPC Code for BG#2                                                                  | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710746</a> | Modulo Lifting for Length-Flexible QC LDPC Codes                                    | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710747</a> | Polar code construction                                                             | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710748</a> | Scrambling for polar codes                                                          | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710749</a> | Design of combined-and-Nested polar code sequences                                  | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710750</a> | Design of unified rate-matching for polar codes                                     | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710751</a> | Circular buffer management for polar code rate-matching                             | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710752</a> | Design of channel interleaver for polar codes                                       | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710753</a> | Modulation Schemes for NR                                                           | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710754</a> | Cross-link Interference Management Based on UE Measurements                         | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710755</a> | Cross-link Interference Management based on Coordinated Beamforming                 | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710756</a> | Performance Evaluation of Cross-Link Interference Management                        | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710757</a> | Timing Alignment on Cross-Link for Dynamic TDD                                      | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710758</a> | Cross-Link Interference Management based on Power Control                           | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710759</a> | Discussion on CLI Mitigation with Network Coordination                              | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710760</a> | Interference Measurement Table and Beam Coordination                                | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710761</a> | Wider Bandwidth Operations                                                          | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710762</a> | LTE-NR coexistence for DL                                                           | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710763</a> | LTE-NR coexistence for UL                                                           | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710764</a> | On UL Power Sharing for Multi-Cell Transmissions                                    | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710765</a> | Power Control Framework                                                             | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710766</a> | On PHR Requirements and Calculation                                                 | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710767</a> | ECP Aspects for 60kHz SCS                                                           | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710768</a> | On PAPR of DMRS for p/2-BPSK DFT-s-OFDM with Spectrum Shaping                       | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710769</a> | RACH Aspects for CA and DC                                                          | Samsung                   | Younsun Kim | <a href="#">43499</a> |
| <a href="#">R1-1710770</a> | Discussion on Polar code construction                                               | Spreadtrum Communications | Arto Lehti  | <a href="#">61519</a> |
| <a href="#">R1-1710771</a> | Discussions on UE-to-UE interference measurement and report                         | Panasonic                 | Lilei Wang  | <a href="#">56630</a> |
| <a href="#">R1-1710772</a> | Discussions on intended DL/UL direction configuration via Xn signalling             | Panasonic                 | Lilei Wang  | <a href="#">56630</a> |
| <a href="#">R1-1710773</a> | CORESET configuration for RMSI scheduling                                           | CMCC                      | Hui Tong    | <a href="#">58245</a> |
| <a href="#">R1-1710774</a> | Discussion on RACH configuration                                                    | CMCC                      | Hui Tong    | <a href="#">58245</a> |
| <a href="#">R1-1710775</a> | Discussion on RRM measurement on SS blocks                                          | CMCC                      | Hui Tong    | <a href="#">58245</a> |
| <a href="#">R1-1710776</a> | Comparisons on Beam Reporting in NR                                                 | CMCC                      | Hui Tong    | <a href="#">58245</a> |
| <a href="#">R1-1710777</a> | Discussion on PT-RS design                                                          | CMCC                      | Hui Tong    | <a href="#">58245</a> |
| <a href="#">R1-1710778</a> | On DMRS Design for NR-PDCCH                                                         | CMCC                      | Hui Tong    | <a href="#">58245</a> |
| <a href="#">R1-1710779</a> | Discussion on CORESET duration                                                      | CMCC                      | Hui Tong    | <a href="#">58245</a> |

|                            |                                                                                |               |            |                       |
|----------------------------|--------------------------------------------------------------------------------|---------------|------------|-----------------------|
| <a href="#">R1-1710780</a> | Discussion on NR-PDCCH search space design                                     | CMCC          | Hui Tong   | <a href="#">58245</a> |
| <a href="#">R1-1710781</a> | UE behaviour related to dynamic and semi-static configured resources           | CMCC          | Hui Tong   | <a href="#">58245</a> |
| <a href="#">R1-1710782</a> | Discussion on subband-based PUCCH resource allocation and indication           | CMCC          | Hui Tong   | <a href="#">58245</a> |
| <a href="#">R1-1710783</a> | Discussion on timing design for semi-static DL/UL assignment                   | CMCC          | Hui Tong   | <a href="#">58245</a> |
| <a href="#">R1-1710784</a> | Discussion on UE-to-UE cross-link interference management                      | CMCC          | Hui Tong   | <a href="#">58245</a> |
| <a href="#">R1-1710785</a> | Discussion on the change of SS block frequency position                        | CMCC          | Hui Tong   | <a href="#">58245</a> |
| <a href="#">R1-1710786</a> | Discussion on NR power control and sharing                                     | CMCC          | Hui Tong   | <a href="#">58245</a> |
| <a href="#">R1-1710787</a> | On default bandwidth part                                                      | PANASONIC     | Quan Kuang | <a href="#">64589</a> |
| <a href="#">R1-1710788</a> | Discussions on NR-PDCCH Structure                                              | MediaTek Inc. | Tao Chen   | <a href="#">56050</a> |
| <a href="#">R1-1710789</a> | RS structures for NR-PDCCH                                                     | MediaTek Inc. | Tao Chen   | <a href="#">56050</a> |
| <a href="#">R1-1710790</a> | Discussions on CORESET configurations                                          | MediaTek Inc. | Tao Chen   | <a href="#">56050</a> |
| <a href="#">R1-1710791</a> | Resource sharing between PDCCH and PDSCH                                       | MediaTek Inc. | Tao Chen   | <a href="#">56050</a> |
| <a href="#">R1-1710792</a> | Structure of group-common PDCCH                                                | MediaTek Inc. | Tao Chen   | <a href="#">56050</a> |
| <a href="#">R1-1710793</a> | Contents of group-common PDCCH                                                 | MediaTek Inc. | Tao Chen   | <a href="#">56050</a> |
| <a href="#">R1-1710794</a> | UE behaviour for group-common PDCCH                                            | MediaTek Inc. | Tao Chen   | <a href="#">56050</a> |
| <a href="#">R1-1710795</a> | Timing of HARQ-ACK for PDSCH                                                   | MediaTek Inc. | Tao Chen   | <a href="#">56050</a> |
| <a href="#">R1-1710796</a> | Further Details on Wider Bandwidth Operations in NR                            | MediaTek Inc. | Tao Chen   | <a href="#">56050</a> |
| <a href="#">R1-1710797</a> | Discussion on PBCH Contents                                                    | MediaTek Inc. | Tao Chen   | <a href="#">56050</a> |
| <a href="#">R1-1710798</a> | Discussion on SS burst set composition                                         | MediaTek Inc. | Tao Chen   | <a href="#">56050</a> |
| <a href="#">R1-1710799</a> | Further discussion on SS block index indication                                | MediaTek Inc. | Tao Chen   | <a href="#">56050</a> |
| <a href="#">R1-1710800</a> | Performance evaluation for RE mapping and SS block composition                 | MediaTek Inc. | Tao Chen   | <a href="#">56050</a> |
| <a href="#">R1-1710801</a> | Further discussion on Remaining minimum system information delivery            | MediaTek Inc. | Tao Chen   | <a href="#">56050</a> |
| <a href="#">R1-1710802</a> | Further discussion on OSI delivery                                             | MediaTek Inc. | Tao Chen   | <a href="#">56050</a> |
| <a href="#">R1-1710803</a> | Further discussion on paging design                                            | MediaTek Inc. | Tao Chen   | <a href="#">56050</a> |
| <a href="#">R1-1710804</a> | Discussion on measurement based on SS block                                    | MediaTek Inc. | Tao Chen   | <a href="#">56050</a> |
| <a href="#">R1-1710805</a> | Discussion on CSI-RS for L3 mobility                                           | MediaTek Inc. | Tao Chen   | <a href="#">56050</a> |
| <a href="#">R1-1710806</a> | Discussion on Radio Link Monitoring                                            | MediaTek Inc. | Tao Chen   | <a href="#">56050</a> |
| <a href="#">R1-1710807</a> | On the Robustness of NR SSS in Frequency Offset                                | MediaTek Inc. | Tao Chen   | <a href="#">56050</a> |
| <a href="#">R1-1710808</a> | Discussions on NR DL beam management                                           | MediaTek Inc. | Tao Chen   | <a href="#">56050</a> |
| <a href="#">R1-1710809</a> | Efficient UL beam management with imperfect beam correspondence                | MediaTek Inc. | Tao Chen   | <a href="#">56050</a> |
| <a href="#">R1-1710810</a> | Mechanism for flexible beam failure recovery                                   | MediaTek Inc. | Tao Chen   | <a href="#">56050</a> |
| <a href="#">R1-1710811</a> | IFDMA Based Beam Management CSI-RS for Flexible TX/RX Beam Sweeping            | MediaTek Inc. | Tao Chen   | <a href="#">56050</a> |
| <a href="#">R1-1710812</a> | CSI acquisition for reciprocity based operation                                | MediaTek Inc. | Tao Chen   | <a href="#">56050</a> |
| <a href="#">R1-1710813</a> | Remaining issues in NR CSI feedback                                            | MediaTek Inc. | Tao Chen   | <a href="#">56050</a> |
| <a href="#">R1-1710814</a> | Multi-TRP and panel transmission                                               | MediaTek Inc. | Tao Chen   | <a href="#">56050</a> |
| <a href="#">R1-1710815</a> | codeword mapping in NR                                                         | MediaTek Inc. | Tao Chen   | <a href="#">56050</a> |
| <a href="#">R1-1710816</a> | Codebook based transmission in UL                                              | MediaTek Inc. | Tao Chen   | <a href="#">56050</a> |
| <a href="#">R1-1710817</a> | SRS design in NR                                                               | MediaTek Inc. | Tao Chen   | <a href="#">56050</a> |
| <a href="#">R1-1710818</a> | CLI measurements in NR                                                         | MediaTek Inc. | Tao Chen   | <a href="#">56050</a> |
| <a href="#">R1-1710819</a> | Performance evaluation on channel structure of short PUCCH for 1 or 2 bits UCI | MediaTek Inc. | Tao Chen   | <a href="#">56050</a> |
| <a href="#">R1-1710820</a> | Discussion on UCI on PUSCH                                                     | MediaTek Inc. | Tao Chen   | <a href="#">56050</a> |
| <a href="#">R1-1710821</a> | Discussion on PUCCH and PUSCH multiplexing                                     | MediaTek Inc. | Tao Chen   | <a href="#">56050</a> |
| <a href="#">R1-1710822</a> | On PRACH design to support uplink requests                                     | MediaTek Inc. | Tao Chen   | <a href="#">56050</a> |
| <a href="#">R1-1710823</a> | PRACH Msg1 retransmission                                                      | MediaTek Inc. | Tao Chen   | <a href="#">56050</a> |
| <a href="#">R1-1710824</a> | On 4-step RACH procedure                                                       | MediaTek Inc. | Tao Chen   | <a href="#">56050</a> |
| <a href="#">R1-1710825</a> | Optimization and comparison of Polar code rate-matching design                 | MediaTek Inc. | Tao Chen   | <a href="#">56050</a> |

|                            |                                                                                |                               |               |                       |
|----------------------------|--------------------------------------------------------------------------------|-------------------------------|---------------|-----------------------|
| <a href="#">R1-1710826</a> | Polar coding design for NR-PBCH combining                                      | MediaTek Inc.                 | Tao Chen      | <a href="#">56050</a> |
| <a href="#">R1-1710827</a> | On CRC attachment for TB and CB                                                | MediaTek Inc.                 | Tao Chen      | <a href="#">56050</a> |
| <a href="#">R1-1710828</a> | On interleaver for NR LDPC code                                                | MediaTek Inc.                 | Tao Chen      | <a href="#">56050</a> |
| <a href="#">R1-1710829</a> | On NR LDPC design and performance                                              | MediaTek Inc.                 | Tao Chen      | <a href="#">56050</a> |
| <a href="#">R1-1710830</a> | Discussion on CBG construction for CBG-based (re)transmission                  | MediaTek Inc.                 | Tao Chen      | <a href="#">56050</a> |
| <a href="#">R1-1710831</a> | On downlink DMRS design                                                        | MediaTek Inc.                 | Tao Chen      | <a href="#">56050</a> |
| <a href="#">R1-1710832</a> | On TRS design requirement                                                      | MediaTek Inc.                 | Tao Chen      | <a href="#">56050</a> |
| <a href="#">R1-1710833</a> | On CSI-RS configuration for fine time and frequency tracking support           | MediaTek Inc.                 | Tao Chen      | <a href="#">56050</a> |
| <a href="#">R1-1710834</a> | On support of Grant-free and Grant-based transmission for UL URLLC             | MediaTek Inc.                 | Tao Chen      | <a href="#">56050</a> |
| <a href="#">R1-1710835</a> | Grant-free Scheduling and retransmission schemes for UL URLLC                  | MediaTek Inc.                 | Tao Chen      | <a href="#">56050</a> |
| <a href="#">R1-1710836</a> | On use of scrambling for UL Grant-free URLLC transmission                      | MediaTek Inc.                 | Tao Chen      | <a href="#">56050</a> |
| <a href="#">R1-1710837</a> | HARQ procedure for DL URLLC                                                    | MediaTek Inc.                 | Tao Chen      | <a href="#">56050</a> |
| <a href="#">R1-1710838</a> | Cross-slot scheduling for UE power saving                                      | MediaTek Inc.                 | Tao Chen      | <a href="#">56050</a> |
| <a href="#">R1-1710839</a> | UL Power Sharing for LTE-NR Dual Connectivity                                  | MediaTek Inc.                 | Tao Chen      | <a href="#">56050</a> |
| <a href="#">R1-1710840</a> | Discussion on Uplink TDM Operation for NR NSA                                  | China Telecommunications      | Sen Xu        | <a href="#">56667</a> |
| <a href="#">R1-1710841</a> | Discussion on remaining system information delivery                            | Beijing Xinwei Telecom Techn. | Peng Sun      | <a href="#">62183</a> |
| <a href="#">R1-1710842</a> | A flexible, low-latency, hardware-efficient SCL polar decoder                  | AccelerComm Ltd               | Rob Maunder   | <a href="#">67229</a> |
| <a href="#">R1-1710843</a> | On the storage of polar code sequences                                         | AccelerComm Ltd               | Rob Maunder   | <a href="#">67229</a> |
| <a href="#">R1-1710844</a> | Consideration on coding chain for eMBB data channel                            | ZTE                           | Yifei Yuan    | <a href="#">58525</a> |
| <a href="#">R1-1710845</a> | Shift coefficients design for base graph 1                                     | ZTE                           | Yifei Yuan    | <a href="#">58525</a> |
| <a href="#">R1-1710846</a> | Shift coefficients design for base graph 2                                     | ZTE                           | Yifei Yuan    | <a href="#">58525</a> |
| <a href="#">R1-1710847</a> | Performance evaluations on Polar codes                                         | ZTE                           | Yifei Yuan    | <a href="#">58525</a> |
| <a href="#">R1-1710848</a> | Rate matching scheme of Polar codes                                            | ZTE                           | Yifei Yuan    | <a href="#">58525</a> |
| <a href="#">R1-1710849</a> | Segmentation of Polar codes                                                    | ZTE                           | Yifei Yuan    | <a href="#">58525</a> |
| <a href="#">R1-1710850</a> | Considerations on Channel Coding for NR-PBCH                                   | ZTE                           | Yifei Yuan    | <a href="#">58525</a> |
| <a href="#">R1-1710851</a> | Considerations on DL beam management                                           | Sony                          | Martin Beale  | <a href="#">59973</a> |
| <a href="#">R1-1710852</a> | Considerations on UL beam management                                           | Sony                          | Martin Beale  | <a href="#">59973</a> |
| <a href="#">R1-1710853</a> | Considerations on fine time/frequency tracking                                 | Sony                          | Martin Beale  | <a href="#">59973</a> |
| <a href="#">R1-1710854</a> | Considerations on interference measurement                                     | Sony                          | Martin Beale  | <a href="#">59973</a> |
| <a href="#">R1-1710855</a> | Considerations on SRS design                                                   | Sony                          | Martin Beale  | <a href="#">59973</a> |
| <a href="#">R1-1710856</a> | On contents of group-common PDCCH                                              | Sony                          | Martin Beale  | <a href="#">59973</a> |
| <a href="#">R1-1710857</a> | On structure of group-common PDCCH                                             | Sony                          | Martin Beale  | <a href="#">59973</a> |
| <a href="#">R1-1710858</a> | Discussion on SS block time index indication                                   | Sony                          | Martin Beale  | <a href="#">59973</a> |
| <a href="#">R1-1710859</a> | Considerations on SS block compositions                                        | Sony                          | Martin Beale  | <a href="#">59973</a> |
| <a href="#">R1-1710860</a> | Considerations on 4-step RA procedure                                          | Sony                          | Martin Beale  | <a href="#">59973</a> |
| <a href="#">R1-1710861</a> | Pre-emption in UL grant free resource                                          | Sony                          | Martin Beale  | <a href="#">59973</a> |
| <a href="#">R1-1710862</a> | Reliable PDCCH operation for URLLC                                             | Sony                          | Martin Beale  | <a href="#">59973</a> |
| <a href="#">R1-1710863</a> | Discussion on the retransmission of UL transmission without grant              | Sony                          | Martin Beale  | <a href="#">59973</a> |
| <a href="#">R1-1710864</a> | Discussion on the CBG index indication by DCI                                  | Sony                          | Martin Beale  | <a href="#">59973</a> |
| <a href="#">R1-1710865</a> | Remaining issues on using pre-emption indicator for DL URLLC/eMBB multiplexing | Sony                          | Martin Beale  | <a href="#">59973</a> |
| <a href="#">R1-1710866</a> | Feedback for improving URLLC reliability                                       | Sony                          | Martin Beale  | <a href="#">59973</a> |
| <a href="#">R1-1710867</a> | Multiplexing data with different transmission durations for Uplink             | Sony                          | Martin Beale  | <a href="#">59973</a> |
| <a href="#">R1-1710868</a> | Blind Detection with Polar Codes                                               | McGill University             | Carlo Condo   | <a href="#">70564</a> |
| <a href="#">R1-1710869</a> | Partitioned List Decoding of Polar Codes                                       | McGill University             | Carlo Condo   | <a href="#">70564</a> |
| <a href="#">R1-1710870</a> | Power ramping for Msg1 preamble re-transmission                                | InterDigital, Inc.            | Aata El Hamss | <a href="#">71288</a> |
| <a href="#">R1-1710871</a> | Multiple Msg1 transmissions for one monitored RAR window                       | InterDigital, Inc.            | Aata El Hamss | <a href="#">71288</a> |
| <a href="#">R1-1710872</a> | CORESET Monitoring Under Dynamic Change of BWP                                 | InterDigital, Inc.            | Aata El Hamss | <a href="#">71288</a> |
| <a href="#">R1-1710873</a> | PDSCH starting position in NR                                                  | InterDigital, Inc.            | Aata El Hamss | <a href="#">71288</a> |

|                            |                                                         |                                        |                            |                       |
|----------------------------|---------------------------------------------------------|----------------------------------------|----------------------------|-----------------------|
| <a href="#">R1-1710874</a> | Considerations for ultra-reliable DCI transmission      | InterDigital, Inc.                     | Aata El Hamss              | <a href="#">71288</a> |
| <a href="#">R1-1710875</a> | Considerations for ultra-reliable UCI transmission      | InterDigital, Inc.                     | Aata El Hamss              | <a href="#">71288</a> |
| <a href="#">R1-1710876</a> | CBG based HARQ for NR                                   | InterDigital, Inc.                     | Aata El Hamss              | <a href="#">71288</a> |
| <a href="#">R1-1710877</a> | DL HARQ Feedback suppression                            | InterDigital, Inc.                     | Aata El Hamss              | <a href="#">71288</a> |
| <a href="#">R1-1710878</a> | Bandwidth Adaptation via BWP Selection in NR            | InterDigital, Inc.                     | Aata El Hamss              | <a href="#">71288</a> |
| <a href="#">R1-1710879</a> | Power Sharing Mechanisms with LTE-NR DC and NR DC       | InterDigital, Inc.                     | Aata El Hamss              | <a href="#">71288</a> |
| <a href="#">R1-1710880</a> | On uplink half-tone shift                               | Ericsson AB                            | Erik Dahlman               | <a href="#">23366</a> |
| <a href="#">R1-1710881</a> | On pi/2-BPSK DFTS-OFDM with spectrum shaping            | Ericsson AB                            | Erik Dahlman               | <a href="#">23366</a> |
| <a href="#">R1-1710882</a> | Multiple SS Blocks in wideband carrier                  | Ericsson AB                            | Erik Dahlman               | <a href="#">23366</a> |
| <a href="#">R1-1710883</a> | On wider band aspects of NR                             | Nokia, Alcatel-Lucent<br>Shanghai Bell | Karol Schober              | <a href="#">68456</a> |
| <a href="#">R1-1710884</a> | On NR CA/DC configuration                               | Nokia, Alcatel-Lucent<br>Shanghai Bell | Karol Schober              | <a href="#">68456</a> |
| <a href="#">R1-1710885</a> | On cross-carrier scheduling and joint UCI design        | Nokia, Alcatel-Lucent<br>Shanghai Bell | Karol Schober              | <a href="#">68456</a> |
| <a href="#">R1-1710886</a> | UL diversity transmission for DFTsOFDM                  | Mitsubishi Electric<br>RCE             | Cristina Ciochina-Duchesne | <a href="#">56339</a> |
| <a href="#">R1-1710887</a> | UL grant-free transmissions: Physical layer procedures  | Intel Corporation                      | Seunghee Han               | <a href="#">47329</a> |
| <a href="#">R1-1710888</a> | HARQ-ACK feedback: Timing considerations                | Intel Corporation                      | Seunghee Han               | <a href="#">47329</a> |
| <a href="#">R1-1710889</a> | NR Physical Random Access Channel                       | Nokia, Alcatel-Lucent<br>Shanghai Bell | Emad Farag                 | <a href="#">66840</a> |
| <a href="#">R1-1710890</a> | NR Physical Random Access Channel Capacity              | Nokia, Alcatel-Lucent<br>Shanghai Bell | Emad Farag                 | <a href="#">66840</a> |
| <a href="#">R1-1710891</a> | Preamble Power Ramping and RACH Message 3 Power Control | Nokia, Alcatel-Lucent<br>Shanghai Bell | Emad Farag                 | <a href="#">66840</a> |
| <a href="#">R1-1710892</a> | NR 4-step RACH procedure                                | Nokia, Alcatel-Lucent<br>Shanghai Bell | Emad Farag                 | <a href="#">66840</a> |
| <a href="#">R1-1710893</a> | On the short PUCCH design for small UCI payloads        | Nokia, Alcatel-Lucent<br>Shanghai Bell | Emad Farag                 | <a href="#">66840</a> |
| <a href="#">R1-1710894</a> | Short PUCCH design for UCI of more than 2 bits          | Nokia, Alcatel-Lucent<br>Shanghai Bell | Emad Farag                 | <a href="#">66840</a> |
| <a href="#">R1-1710895</a> | On long PUCCH design for small payloads                 | Nokia, Alcatel-Lucent<br>Shanghai Bell | Emad Farag                 | <a href="#">66840</a> |
| <a href="#">R1-1710896</a> | Long PUCCH design for UCI more than 2 bits              | Nokia, Alcatel-Lucent<br>Shanghai Bell | Emad Farag                 | <a href="#">66840</a> |
| <a href="#">R1-1710897</a> | Transmit Diversity for PUCCH                            | Nokia, Alcatel-Lucent<br>Shanghai Bell | Emad Farag                 | <a href="#">66840</a> |
| <a href="#">R1-1710898</a> | On the resource allocation for PUCCH                    | Nokia, Alcatel-Lucent<br>Shanghai Bell | Emad Farag                 | <a href="#">66840</a> |
| <a href="#">R1-1710899</a> | UCI multiplexing on PUSCH                               | Nokia, Alcatel-Lucent<br>Shanghai Bell | Emad Farag                 | <a href="#">66840</a> |
| <a href="#">R1-1710900</a> | On the multiplexing between PUCCHs and PUSCH            | Nokia, Alcatel-Lucent<br>Shanghai Bell | Emad Farag                 | <a href="#">66840</a> |
| <a href="#">R1-1710901</a> | On URLLC UCI transmission                               | Nokia, Alcatel-Lucent<br>Shanghai Bell | Emad Farag                 | <a href="#">66840</a> |
| <a href="#">R1-1710902</a> | CP-OFDM waveform for NR long PUCCH                      | Nokia, Alcatel-Lucent<br>Shanghai Bell | Emad Farag                 | <a href="#">66840</a> |
| <a href="#">R1-1710903</a> | PDCCH structure for NR                                  | NEC                                    | Yassin Awad                | <a href="#">37300</a> |

|                            |                                                                                    |                       |                      |                       |
|----------------------------|------------------------------------------------------------------------------------|-----------------------|----------------------|-----------------------|
| <a href="#">R1-1710904</a> | Uplink transmission in NR NSA mode                                                 | Apple Inc.            | Wei Zeng             | <a href="#">70918</a> |
| <a href="#">R1-1710905</a> | Signaling of SS block index                                                        | Apple Inc.            | Wei Zeng             | <a href="#">70918</a> |
| <a href="#">R1-1710906</a> | UE behavior on UL/DL transmission direction determination in NR TDD                | Apple Inc.            | Wei Zeng             | <a href="#">70918</a> |
| <a href="#">R1-1710907</a> | Control indicator in group-common PDCCH for UE power saving                        | Apple Inc.            | Wei Zeng             | <a href="#">70918</a> |
| <a href="#">R1-1710908</a> | DL control signal for CBG-based transmission                                       | Apple Inc.            | Wei Zeng             | <a href="#">70918</a> |
| <a href="#">R1-1710909</a> | Discussion of NR-LTE coexistence on DL                                             | ZTE                   | Wenfeng Zhang        | <a href="#">71639</a> |
| <a href="#">R1-1710910</a> | Considerations of NR-LTE coexistence in uplink                                     | ZTE                   | Wenfeng Zhang        | <a href="#">71639</a> |
| <a href="#">R1-1710911</a> | Power Control for CA and DC in NR                                                  | ZTE                   | Wenfeng Zhang        | <a href="#">71639</a> |
| <a href="#">R1-1710912</a> | Reserved resources supporting NR co-existence with LTE and NB-IoT                  | Ericsson AB           | Erik Dahlman         | <a href="#">23366</a> |
| <a href="#">R1-1710913</a> | On Design of Synchronization Signal Sequences in NR                                | InterDigital, Inc.    | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710914</a> | On SS Burst Set Composition and Multiplexing                                       | InterDigital, Inc.    | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710915</a> | On SS Block Based Timing Indication in NR                                          | InterDigital, Inc.    | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710916</a> | On Physical Broadcast Channel in NR                                                | InterDigital, Inc.    | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710917</a> | On NR-PBCH RE Mapping and SS Block Composition                                     | InterDigital, Inc.    | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710918</a> | On DMRS Designs for NR-PBCH                                                        | InterDigital, Inc.    | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710919</a> | On Minimum System Information Delivery                                             | InterDigital, Inc.    | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710920</a> | TPMI Indication for Frequency Selective UL Precoding                               | InterDigital, Inc.    | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710921</a> | STBC-based Transmission for Uplink Transmit Diversity                              | InterDigital, Inc.    | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710922</a> | PRG Size Indication in NR                                                          | InterDigital, Inc.    | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710923</a> | DCI Design for Multi-TRP/Panel Transmission for DL                                 | InterDigital, Inc.    | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710924</a> | On Beam Management for DL Control and Data Channels                                | InterDigital, Inc.    | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710925</a> | On Efficient UL Beam Management                                                    | InterDigital, Inc.    | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710926</a> | On Remaining Details of Beam Failure Recovery                                      | InterDigital, Inc.    | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710927</a> | On CSI framework for NR                                                            | InterDigital, Inc.    | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710928</a> | On CSI acquisition for NR                                                          | InterDigital, Inc.    | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710929</a> | Discussion on SRS sequence generation for NR                                       | Panasonic Corporation | Tetsuya Yamamoto     | <a href="#">59095</a> |
| <a href="#">R1-1710930</a> | Discussion on 1-symbol NR-PUCCH for UCI of up to 2 bits                            | Panasonic Corporation | Tetsuya Yamamoto     | <a href="#">59095</a> |
| <a href="#">R1-1710931</a> | CSI-RS Design for Beam Management                                                  | InterDigital, Inc.    | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710932</a> | Discussion on channel structure of long-duration NR-PUCCH for UCI of up to 2 bits  | Panasonic Corporation | Tetsuya Yamamoto     | <a href="#">59095</a> |
| <a href="#">R1-1710933</a> | On DM-RS design for NR                                                             | InterDigital, Inc.    | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710934</a> | Discussion on channel design of long-duration NR-PUCCH for UCI of more than 2 bits | Panasonic Corporation | Tetsuya Yamamoto     | <a href="#">59095</a> |
| <a href="#">R1-1710935</a> | Discussion on support of long-duration NR-PUCCH over multiple slots                | Panasonic Corporation | Tetsuya Yamamoto     | <a href="#">59095</a> |
| <a href="#">R1-1710936</a> | Remaining Issues on PTRS for NR                                                    | InterDigital, Inc.    | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710937</a> | Discussion on resource allocation for uplink control channel                       | Panasonic Corporation | Tetsuya Yamamoto     | <a href="#">59095</a> |
| <a href="#">R1-1710938</a> | On SRS for NR                                                                      | InterDigital, Inc.    | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710939</a> | Discussion on UCI on PUSCH                                                         | Panasonic Corporation | Tetsuya Yamamoto     | <a href="#">59095</a> |
| <a href="#">R1-1710940</a> | Discussion on UCI and data multiplexing                                            | Panasonic Corporation | Tetsuya Yamamoto     | <a href="#">59095</a> |
| <a href="#">R1-1710941</a> | On QCL for NR                                                                      | InterDigital, Inc.    | Shahrokh Nayeb Nazar | <a href="#">72080</a> |

|                            |                                                                               |                          |                      |                       |
|----------------------------|-------------------------------------------------------------------------------|--------------------------|----------------------|-----------------------|
| <a href="#">R1-1710942</a> | Discussion on SR for URLLC and multiplexing with HARQ-ACK                     | Panasonic Corporation    | Tetsuya Yamamoto     | <a href="#">59095</a> |
| <a href="#">R1-1710943</a> | Discussion on PRB grid and PRB indexing                                       | Panasonic Corporation    | Tetsuya Yamamoto     | <a href="#">59095</a> |
| <a href="#">R1-1710944</a> | On the impact of multi-beam operation on PDCCH structure                      | InterDigital, Inc.       | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710945</a> | On REG bundling and associated DMRS                                           | InterDigital, Inc.       | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710946</a> | Search space design for eMBB-URLLC Multiplexing                               | InterDigital, Inc.       | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710947</a> | Group-common PDCCH design considerations                                      | InterDigital, Inc.       | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710948</a> | UE behaviour related to CORESET(s) configured by PBCH                         | InterDigital, Inc.       | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710949</a> | On Ultra-reliable and low-latency PDCCH                                       | InterDigital, Inc.       | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710950</a> | Evaluations of 1-symbol short-PUCCH with 1 or 2 bit(s)                        | InterDigital, Inc.       | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710951</a> | On transmit diversity for Long PUCCH                                          | InterDigital, Inc.       | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710952</a> | Considerations on UCI transmission on PUSCH                                   | InterDigital, Inc.       | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710953</a> | On frequency-domain resource allocation for NR                                | InterDigital, Inc.       | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710954</a> | HARQ feedback design considerations for CBG based transmission                | InterDigital, Inc.       | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710955</a> | Signalling design considerations for DL pre-emption indication                | InterDigital, Inc.       | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710956</a> | Multiplexing of low-latency traffic and non-latency sensitive traffic in UL   | InterDigital, Inc.       | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710957</a> | Data channel processing and CRC attachment                                    | InterDigital, Inc.       | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710958</a> | Code block segmentation for eMBB data channel                                 | InterDigital, Inc.       | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710959</a> | Parameter selection for polar codes puncturing and shortening                 | InterDigital, Inc.       | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710960</a> | Parameter selection for polar codes repetition                                | InterDigital, Inc.       | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710961</a> | Interleaver design for polar codes with high order modulation                 | InterDigital, Inc.       | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710962</a> | Common and Beam Specific Power Control Parameters                             | InterDigital, Inc.       | Shahrokh Nayeb Nazar | <a href="#">72080</a> |
| <a href="#">R1-1710963</a> | On network resources and UE transmission configurations for grant-free access | NEC                      | Kevin Lin            | <a href="#">45809</a> |
| <a href="#">R1-1710964</a> | On UE-to-UE measurement for CLI management                                    | NEC                      | Kevin Lin            | <a href="#">45809</a> |
| <a href="#">R1-1710965</a> | On cross-carrier scheduling and HARQ-ACK feedback for NR CA                   | NEC                      | Kevin Lin            | <a href="#">45809</a> |
| <a href="#">R1-1710966</a> | Flexible subcarrier spacing in the uplink for NR use cases including mMTC     | ATR                      | ROYA EBRAHIM REZAGAH | <a href="#">66159</a> |
| <a href="#">R1-1710967</a> | Number of HARQ processes for co-existence with TD-LTE                         | NEC Corporation          | Takahiro Sasaki      | <a href="#">39454</a> |
| <a href="#">R1-1710968</a> | Summary of [89-20] email discussion on Group-common PDCCH for NR              | CATT                     | Yanping Xing         | <a href="#">57090</a> |
| <a href="#">R1-1710969</a> | NR-PDCCH for multi-TRP transmission                                           | China Telecommunications | Jianchi Zhu          | <a href="#">58216</a> |
| <a href="#">R1-1710970</a> | On front-load DMRS design                                                     | China Telecommunications | Jianchi Zhu          | <a href="#">58216</a> |
| <a href="#">R1-1710971</a> | UL grant-free transmission for URLLC                                          | China Telecommunications | Jianchi Zhu          | <a href="#">58216</a> |
| <a href="#">R1-1710972</a> | Control signalling for CBG-based (re)transmission                             | China Telecommunications | Jianchi Zhu          | <a href="#">58216</a> |
| <a href="#">R1-1710973</a> | Discussion on REG bundle size                                                 | ITRI                     | Hung-hsiang Wang     | <a href="#">46683</a> |
| <a href="#">R1-1710974</a> | Discussion on using sub-time unit for CSI-RS of beam management               | ITRI                     | Hung-hsiang Wang     | <a href="#">46683</a> |

|                            |                                                                                 |                                        |                  |                       |
|----------------------------|---------------------------------------------------------------------------------|----------------------------------------|------------------|-----------------------|
| <a href="#">R1-1710975</a> | Considerations and Evaluation on SS Sequence Design for New Radio               | ITRI                                   | Hung-hsiang Wang | <a href="#">46683</a> |
| <a href="#">R1-1710976</a> | NR Long PUCCH Requirements                                                      | CMCC                                   | Hui Tong         | <a href="#">58245</a> |
| <a href="#">R1-1710977</a> | Discussion on RRM measurement on SS blocks                                      | CMCC                                   | Hui Tong         | <a href="#">58245</a> |
| <a href="#">R1-1710978</a> | On the PDCCH construction for NR                                                | Nokia, Alcatel-Lucent<br>Shanghai Bell | Sigen Ye         | <a href="#">45768</a> |
| <a href="#">R1-1710979</a> | On the remaining details of PDCCH reference signal structure                    | Nokia, Alcatel-Lucent<br>Shanghai Bell | Sigen Ye         | <a href="#">45768</a> |
| <a href="#">R1-1710980</a> | On the PDCCH control resource set and its connection to the search space for NR | Nokia, Alcatel-Lucent<br>Shanghai Bell | Sigen Ye         | <a href="#">45768</a> |
| <a href="#">R1-1710981</a> | On the search space design and UE blind detection                               | Nokia, Alcatel-Lucent<br>Shanghai Bell | Sigen Ye         | <a href="#">45768</a> |
| <a href="#">R1-1710982</a> | PDCCH support for multi-beam system                                             | Nokia, Alcatel-Lucent<br>Shanghai Bell | Sigen Ye         | <a href="#">45768</a> |
| <a href="#">R1-1710983</a> | Resource sharing between PDCCH and PDSCH in NR                                  | Nokia, Alcatel-Lucent<br>Shanghai Bell | Sigen Ye         | <a href="#">45768</a> |
| <a href="#">R1-1710984</a> | On the structure of group common PDCCH in NR                                    | Nokia, Alcatel-Lucent<br>Shanghai Bell | Sigen Ye         | <a href="#">45768</a> |
| <a href="#">R1-1710985</a> | On the contents of group common PDCCH in NR                                     | Nokia, Alcatel-Lucent<br>Shanghai Bell | Sigen Ye         | <a href="#">45768</a> |
| <a href="#">R1-1710986</a> | On the UE behaviour related to group common PDCCH in NR                         | Nokia, Alcatel-Lucent<br>Shanghai Bell | Sigen Ye         | <a href="#">45768</a> |
| <a href="#">R1-1710987</a> | On the URLLC specific aspects for DL control channel                            | Nokia, Alcatel-Lucent<br>Shanghai Bell | Sigen Ye         | <a href="#">45768</a> |
| <a href="#">R1-1710988</a> | On the usage of PDCCH DMRS as a complementary synchronization signal in DL      | Nokia, Alcatel-Lucent<br>Shanghai Bell | Sigen Ye         | <a href="#">45768</a> |
| <a href="#">R1-1710989</a> | On resource allocation in frequency domain for PDSCH and PUSCH in NR            | Nokia, Alcatel-Lucent<br>Shanghai Bell | Sigen Ye         | <a href="#">45768</a> |
| <a href="#">R1-1710990</a> | Time-domain resource allocation for NR                                          | Nokia, Alcatel-Lucent<br>Shanghai Bell | Sigen Ye         | <a href="#">45768</a> |
| <a href="#">R1-1710991</a> | Transport block size determination and the support of slot aggregation in NR    | Nokia, Alcatel-Lucent<br>Shanghai Bell | Sigen Ye         | <a href="#">45768</a> |
| <a href="#">R1-1710992</a> | Discussion on multiple SR configuration                                         | Nokia, Alcatel-Lucent<br>Shanghai Bell | Sigen Ye         | <a href="#">45768</a> |
| <a href="#">R1-1710993</a> | Unified framework for UL grant-free and UL SPS                                  | Nokia, Alcatel-Lucent<br>Shanghai Bell | Sigen Ye         | <a href="#">45768</a> |
| <a href="#">R1-1710994</a> | UE identification and HARQ for URLLC UL grant-free                              | Nokia, Alcatel-Lucent<br>Shanghai Bell | Sigen Ye         | <a href="#">45768</a> |
| <a href="#">R1-1710995</a> | Mapping code blocks to code block groups                                        | Nokia, Alcatel-Lucent<br>Shanghai Bell | Sigen Ye         | <a href="#">45768</a> |
| <a href="#">R1-1710996</a> | DL control signalling for CBG-based transmissions                               | Nokia, Alcatel-Lucent<br>Shanghai Bell | Sigen Ye         | <a href="#">45768</a> |
| <a href="#">R1-1710997</a> | HARQ-ACK feedback for CBG-based (re-)transmission in NR                         | Nokia, Alcatel-Lucent<br>Shanghai Bell | Sigen Ye         | <a href="#">45768</a> |
| <a href="#">R1-1710998</a> | Timing aspects for HARQ-ACK feedback                                            | Nokia, Alcatel-Lucent<br>Shanghai Bell | Sigen Ye         | <a href="#">45768</a> |
| <a href="#">R1-1710999</a> | On HARQ feedback determination                                                  | Nokia, Alcatel-Lucent<br>Shanghai Bell | Sigen Ye         | <a href="#">45768</a> |

|                            |                                                                           |                                        |                |                       |
|----------------------------|---------------------------------------------------------------------------|----------------------------------------|----------------|-----------------------|
| <a href="#">R1-1711000</a> | On the number of HARQ processes                                           | Nokia, Alcatel-Lucent<br>Shanghai Bell | Sigen Ye       | <a href="#">45768</a> |
| <a href="#">R1-1711001</a> | On the HARQ soft buffer handling                                          | Nokia, Alcatel-Lucent<br>Shanghai Bell | Sigen Ye       | <a href="#">45768</a> |
| <a href="#">R1-1711002</a> | On pre-emption indication                                                 | Nokia, Alcatel-Lucent<br>Shanghai Bell | Sigen Ye       | <a href="#">45768</a> |
| <a href="#">R1-1711003</a> | Pause-Resume Scheduling for Low Latency Uplink<br>Transmissions           | Nokia, Alcatel-Lucent<br>Shanghai Bell | Sigen Ye       | <a href="#">45768</a> |
| <a href="#">R1-1711004</a> | Discussion on scheduling based URLLC transmission                         | Nokia, Alcatel-Lucent<br>Shanghai Bell | Sigen Ye       | <a href="#">45768</a> |
| <a href="#">R1-1711005</a> | CSI measuring and reporting procedure for URLLC                           | Nokia, Alcatel-Lucent<br>Shanghai Bell | Sigen Ye       | <a href="#">45768</a> |
| <a href="#">R1-1711006</a> | Issues and Control Design for UL Grant-free URLLC                         | III                                    | Chun-che Chien | <a href="#">43585</a> |
| <a href="#">R1-1711007</a> | Codeword to layer mapping for DL and UL                                   | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711008</a> | UL MIMO for codebook based transmission                                   | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711009</a> | UL MIMO for non-codebook based transmission                               | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711010</a> | Robust Transmission Scheme for PUSCH                                      | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711011</a> | PRB bundling                                                              | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711012</a> | UL multi-panel transmission                                               | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711013</a> | DL multi-TRP and multi-panel transmission                                 | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711014</a> | On rate matching                                                          | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711015</a> | On DL beam indication                                                     | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711016</a> | UL beam management details                                                | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711017</a> | Mechanism to recover from beam failure                                    | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711018</a> | Beam management in C-DRX                                                  | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711019</a> | On the use of SS for beam management                                      | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711020</a> | Further results on beam management without beam<br>indication             | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711021</a> | Performance of beam grouping                                              | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711022</a> | On beam grouping                                                          | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711023</a> | Analysis of beam indication signalling options                            | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711024</a> | Further details of CSI framework                                          | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711025</a> | On CSI acquisition and reporting                                          | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711026</a> | Further discussion on CSI acquisition for reciprocity-<br>based operation | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711027</a> | CSI feedback and Transparent PDSCH TxD                                    | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711028</a> | Codebook subset restriction                                               | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711029</a> | Type I & II CSI reporting                                                 | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711030</a> | Encoding and mapping of CSI parameters                                    | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711031</a> | CSI feedback for multi-TRP                                                | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711032</a> | On Dynamic Triggering for CSI Reports and CSI-RS                          | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711033</a> | A comparison of CSI-RS activation schemes based on<br>MAC CE and DCI      | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711034</a> | Identifying bounds on parameters in CSI framework                         | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711035</a> | Frequency parametrization for Type II CSI codebook                        | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711036</a> | Further details of measurement restriction configuration                  | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711037</a> | Performance impact of inactive antenna ports                              | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711038</a> | On partial bands and CSI acquisition                                      | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711039</a> | NR CSI Computation Capability                                             | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711040</a> | On Multiplexing of RS types for downlink                                  | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711041</a> | On CSI-RS for CSI-acquisition                                             | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711042</a> | On CSI-RS for beam management                                             | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711043</a> | On DL DMRS design                                                         | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711044</a> | On DL DMRS evaluations                                                    | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711045</a> | On UL DMRS design                                                         | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711046</a> | On UL DMRS evaluations                                                    | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711047</a> | On PTRS DL design                                                         | Ericsson                               | Stephen Grant  | <a href="#">65572</a> |

|                            |                                                                                                 |                  |                |                       |
|----------------------------|-------------------------------------------------------------------------------------------------|------------------|----------------|-----------------------|
| <a href="#">R1-1711048</a> | On PTRS UL design                                                                               | Ericsson         | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711049</a> | On SRS design                                                                                   | Ericsson         | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711050</a> | On time and frequency tracking of the channel                                                   | Ericsson         | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711051</a> | The QCL framework in NR                                                                         | Ericsson         | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711052</a> | On the number of antenna ports for CSI-RS                                                       | Ericsson         | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711053</a> | On the collision between DMRS and DC subcarrier                                                 | Ericsson         | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711054</a> | On the NR UL power control framework                                                            | Ericsson         | Stephen Grant  | <a href="#">65572</a> |
| <a href="#">R1-1711055</a> | Initial views on UE category                                                                    | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711056</a> | Discussion on remaining details on SS sequence design for NR                                    | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711057</a> | Discussion on SS burst set composition for NR                                                   | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711058</a> | Discussion on timing indication based on SS block for NR                                        | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711059</a> | Discussion on remaining details on multiple SS block transmissions in wideband CC for NR        | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711060</a> | Discussion on NR-PBCH contents and payload size                                                 | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711061</a> | Discussion on NR-PBCH design and SS block composition                                           | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711062</a> | Discussion on sequence design of DMRS for NR-PBCH                                               | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711063</a> | Discussion on remaining minimum system information delivery for NR                              | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711064</a> | Discussion on paging design for NR                                                              | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711065</a> | Discussion on PRACH preamble format details for long/short sequence length for NR               | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711066</a> | Discussion on PRACH preamble format details for capacity enhancement and beam management for NR | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711067</a> | Discussion on power ramping and power control during RA procedure for NR                        | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711068</a> | Discussion on 4-step RA procedure for NR                                                        | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711069</a> | Discussion on NR RRM measurement based on SS block                                              | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711070</a> | Discussion on NR RRM measurement based on CSI-RS for L3 mobility                                | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711071</a> | Discussion on NR RLM and RLF                                                                    | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711072</a> | Discussion on codeword mapping                                                                  | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711073</a> | Codebook design for uplink                                                                      | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711074</a> | Beam determination for non-codebook based transmission for uplink                               | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711075</a> | View on Beam Management Details                                                                 | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711076</a> | Further views on mechanism to recover from beam failure                                         | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711077</a> | Discussion on CSI framework                                                                     | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711078</a> | On CSI measurement for NR                                                                       | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711079</a> | CSI Feedback Design for NR MIMO                                                                 | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711080</a> | Feedback Design for CSI Type I                                                                  | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711081</a> | Feedback Design for CSI Type II                                                                 | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711082</a> | CSI-RS for beam management                                                                      | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711083</a> | CSI-RS for CSI acquisition                                                                      | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711084</a> | Evaluation results of DM-RS                                                                     | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711085</a> | Discussion on DM-RS design                                                                      | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |

|                            |                                                            |                  |                |                       |
|----------------------------|------------------------------------------------------------|------------------|----------------|-----------------------|
| <a href="#">R1-1711086</a> | Discussion on PT-RS design                                 | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711087</a> | Discussions on NR SRS Design                               | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711088</a> | Views on remaining issues of resource mapping for NR-PDCCH | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711089</a> | Views on DM-RS design for NR-PDCCH                         | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711090</a> | Views on control resource set configuration for NR-PDCCH   | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711091</a> | Views on search space design for NR-PDCCH                  | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711092</a> | Views on multi-beam based NR-PDCCH                         | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711093</a> | Resource sharing between data and control channels         | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711094</a> | Views on structure of group-common PDCCH                   | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711095</a> | Views on contents of group-common PDCCH                    | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711096</a> | Views on UE behavior for group-common PDCCH                | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711097</a> | DL control channel design for URLLC                        | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711098</a> | Sequence-based PUCCH for UCI of up to 2 bits               | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711099</a> | FDM-based PUCCH for UCI of more than 2 bits                | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711100</a> | Long-PUCCH for UCI of up to 2 bits                         | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711101</a> | Long-PUCCH for UCI of more than 2 bits                     | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711102</a> | Long-PUCCH for more than one slot                          | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711103</a> | PUCCH resource allocation                                  | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711104</a> | UCI on PUSCH                                               | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711105</a> | Multiplexing of PUCCH and PUSCH                            | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711106</a> | UL control channel design for URLLC                        | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711107</a> | Frequency-domain resource allocation                       | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711108</a> | Time-domain resource allocation                            | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711109</a> | Transport block size determination                         | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711110</a> | Scheduling request design in NR system                     | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711111</a> | Overall solutions for UL grant free transmission           | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711112</a> | CBG construction                                           | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711113</a> | DL control signalling for CBG-based (re)transmission       | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711114</a> | UL control signalling for CBG-based (re)transmission       | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711115</a> | HARQ-ACK timing                                            | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711116</a> | HARQ-ACK multiplexing                                      | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711117</a> | Processing time and HARQ process number for NR             | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711118</a> | Soft-buffer size and management                            | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711119</a> | Pre-emption indication for downlink                        | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711120</a> | Multiplexing of different data durations for uplink        | NTT DOCOMO, INC. | Kazuaki Takeda | <a href="#">43136</a> |

|                            |                                                                            |                       |                |                       |
|----------------------------|----------------------------------------------------------------------------|-----------------------|----------------|-----------------------|
| <a href="#">R1-1711121</a> | Scheduling and HARQ procedures for URLLC                                   | NTT DOCOMO, INC.      | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711122</a> | NR carrier aggregation                                                     | NTT DOCOMO, INC.      | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711123</a> | LTE-NR Dual connectivity                                                   | NTT DOCOMO, INC.      | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711124</a> | Distributed simple parity check Polar codes                                | NTT DOCOMO, INC.      | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711125</a> | Performance evaluation of DSPC-Polar codes                                 | NTT DOCOMO, INC.      | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711126</a> | Sequence design of Polar codes                                             | NTT DOCOMO, INC.      | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711127</a> | Rate matching of Polar codes                                               | NTT DOCOMO, INC.      | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711128</a> | Interleaving design of Polar codes                                         | NTT DOCOMO, INC.      | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711129</a> | Discussion on cross-link interference mitigation for duplexing flexibility | NTT DOCOMO, INC.      | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711130</a> | Discussion on prioritized scenarios for duplexing flexibility              | NTT DOCOMO, INC.      | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711131</a> | Remaining issues on wider bandwidth operations for NR                      | NTT DOCOMO, INC.      | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711132</a> | Views on single UL transmission and UL sharing                             | NTT DOCOMO, INC.      | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711133</a> | LTE-NR power sharing mechanism                                             | NTT DOCOMO, INC.      | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711134</a> | Power control framework for PUSCH                                          | NTT DOCOMO, INC.      | Kazuaki Takeda | <a href="#">43136</a> |
| <a href="#">R1-1711135</a> | Synchronization signal sequence design                                     | Qualcomm Incorporated | Peter Gaal     | <a href="#">57198</a> |
| <a href="#">R1-1711136</a> | SS burst set composition consideration                                     | Qualcomm Incorporated | Peter Gaal     | <a href="#">57198</a> |
| <a href="#">R1-1711137</a> | Timing indication based on SS block consideration                          | Qualcomm Incorporated | Peter Gaal     | <a href="#">57198</a> |
| <a href="#">R1-1711138</a> | Multiple SS block transmissions design in wideband CC                      | Qualcomm Incorporated | Peter Gaal     | <a href="#">57198</a> |
| <a href="#">R1-1711139</a> | PBCH contents and payload size consideration                               | Qualcomm Incorporated | Peter Gaal     | <a href="#">57198</a> |
| <a href="#">R1-1711140</a> | SS block composition and PBCH RE mapping design                            | Qualcomm Incorporated | Peter Gaal     | <a href="#">57198</a> |
| <a href="#">R1-1711141</a> | DMRS design for NR-PBCH                                                    | Qualcomm Incorporated | Peter Gaal     | <a href="#">57198</a> |
| <a href="#">R1-1711142</a> | Remaining system information delivery consideration                        | Qualcomm Incorporated | Peter Gaal     | <a href="#">57198</a> |
| <a href="#">R1-1711143</a> | Other system information delivery consideration                            | Qualcomm Incorporated | Peter Gaal     | <a href="#">57198</a> |
| <a href="#">R1-1711144</a> | Paging design consideration                                                | Qualcomm Incorporated | Peter Gaal     | <a href="#">57198</a> |
| <a href="#">R1-1711145</a> | PRACH preamble format design for long/short sequence length                | Qualcomm Incorporated | Peter Gaal     | <a href="#">57198</a> |
| <a href="#">R1-1711146</a> | PRACH preamble design for capacity enhancement                             | Qualcomm Incorporated | Peter Gaal     | <a href="#">57198</a> |
| <a href="#">R1-1711147</a> | Power ramping and power control for RA procedure                           | Qualcomm Incorporated | Peter Gaal     | <a href="#">57198</a> |
| <a href="#">R1-1711148</a> | 4-step RACH procedure consideration                                        | Qualcomm Incorporated | Peter Gaal     | <a href="#">57198</a> |
| <a href="#">R1-1711149</a> | Measurement based on SS block consideration                                | Qualcomm Incorporated | Peter Gaal     | <a href="#">57198</a> |
| <a href="#">R1-1711150</a> | Measurement based on CSI-RS for L3 mobility consideration                  | Qualcomm Incorporated | Peter Gaal     | <a href="#">57198</a> |
| <a href="#">R1-1711151</a> | Radio link monitoring consideration                                        | Qualcomm Incorporated | Peter Gaal     | <a href="#">57198</a> |
| <a href="#">R1-1711152</a> | CW to layer mapping and frequency domain interleaving                      | Qualcomm Incorporated | Peter Gaal     | <a href="#">57198</a> |
| <a href="#">R1-1711153</a> | Codebook based UL transmission                                             | Qualcomm Incorporated | Peter Gaal     | <a href="#">57198</a> |
| <a href="#">R1-1711154</a> | Non-codebook based UL transmission                                         | Qualcomm Incorporated | Peter Gaal     | <a href="#">57198</a> |
| <a href="#">R1-1711155</a> | On UL diversity transmission scheme                                        | Qualcomm Incorporated | Peter Gaal     | <a href="#">57198</a> |

|                            |                                                                      |                       |            |                       |
|----------------------------|----------------------------------------------------------------------|-----------------------|------------|-----------------------|
| <a href="#">R1-1711156</a> | Discussion on PRB bundling for DL                                    | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711157</a> | On multi-TRP and multi-panel transmission                            | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711158</a> | On PDSCH and PUSCH RE mapping                                        | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711159</a> | Transmission scheme for broadcast PDSCH                              | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711160</a> | Beam management for NR                                               | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711161</a> | Beam recovery procedures                                             | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711162</a> | Details of CSI framework                                             | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711163</a> | Details of CSI acquisition                                           | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711164</a> | CSI acquisition for reciprocity based operation                      | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711165</a> | On Type I and Type II CSI feedback using PUCCH                       | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711166</a> | On CSI feedback for open- or semi-open-loop transmission             | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711167</a> | On multiplexing of different types of RSs                            | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711168</a> | Discussion on CSI-RS design                                          | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711169</a> | Discussion on UL DMRS design                                         | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711170</a> | Discussion on DL DMRS design                                         | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711171</a> | Evaluation of UL DMRS design                                         | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711172</a> | Evaluation of DL DMRS design                                         | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711173</a> | Phase and frequency tracking reference signal considerations         | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711174</a> | Discussion on SRS design                                             | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711175</a> | Further analysis on fine time/frequency tracking RS design           | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711176</a> | Discussion on QCL                                                    | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711177</a> | PDCCH structure                                                      | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711178</a> | RS for DL control channel                                            | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711179</a> | Control resource set and search space                                | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711180</a> | Nested search space design                                           | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| R1-1711181                 | Multi-beam control operation                                         | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711182</a> | Resource reuse for data in DL control region                         | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711183</a> | Structure of group common PDCCH                                      | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711184</a> | Contents of group common PDCCH                                       | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711185</a> | UE behaviour related to group common PDCCH                           | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711186</a> | Common control resource set signaling in MIB                         | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711187</a> | Advanced Grant Indication for UE Power Saving                        | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711188</a> | Channelization of 1-symbol short PUCCH with 1 or 2 bits payload      | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711189</a> | Channelization of 1-symbol short PUCCH with more than 2 bits payload | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711190</a> | Long PUCCH design with 1 or 2 bits UCI payload                       | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |

|                            |                                                                                           |                       |            |                       |
|----------------------------|-------------------------------------------------------------------------------------------|-----------------------|------------|-----------------------|
| <a href="#">R1-1711191</a> | Long PUCCH design with more than 2 bits UCI payload                                       | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711192</a> | Long PUCCH over multiple slots                                                            | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711193</a> | Transmit diversity for PUCCH                                                              | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711194</a> | Resource allocation for PUCCH                                                             | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711195</a> | UCI piggyback on PUSCH                                                                    | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711196</a> | Multiplexing of PUCCH and PUSCH                                                           | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711197</a> | MPR issue with distributed RB allocation in UL                                            | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711198</a> | Short PUSCH transmission in UL short duration                                             | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711199</a> | Discussion TB size determination                                                          | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711200</a> | Simultaneous UL SR channel                                                                | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711201</a> | Uplink Resource for SR                                                                    | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711202</a> | CBG Construction Principles for CBG-based Transmission with Multi-Bit HARQ feedback       | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711203</a> | DCI considerations for CBG-based (re)-Transmissions                                       | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711204</a> | UCI considerations for CBG-based (re)-Transmissions                                       | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711205</a> | Low latency impact analysis on user plane and control plane                               | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711206</a> | UE processing time                                                                        | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711207</a> | Considerations for soft buffer management                                                 | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711208</a> | Timing advance for different numerology                                                   | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711209</a> | CA with mixed numerology                                                                  | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711210</a> | CRC attachment                                                                            | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711211</a> | LDPC segmentation                                                                         | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711212</a> | LDPC rate matching                                                                        | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711213</a> | LDPC rate compatible design                                                               | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711214</a> | Early termination scheme for Polar codes                                                  | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711215</a> | Evaluation of early termination for Polar codes                                           | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711216</a> | Decoding and encoding latency for polar codes with PC frozen bits or distributed CRC bits | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711217</a> | Performance comparison between CA-polar and PC-polar                                      | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711218</a> | Sequence construction of Polar codes for control channel                                  | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711219</a> | Determination of the values for the parameters in rate-matching for control channel       | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711220</a> | Rate-matching scheme for control channel                                                  | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711221</a> | Design of Polar code for large UCI with segmentation                                      | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711222</a> | Design and evaluation of Interleaver for Polar codes                                      | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711223</a> | PBCH channel coding                                                                       | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711224</a> | Consideration for MCS table                                                               | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |
| <a href="#">R1-1711225</a> | Dynamic TDD UE-to-UE measurement considerations                                           | Qualcomm Incorporated | Peter Gaal | <a href="#">57198</a> |

|                            |                                                                                                          |                                     |                       |                       |
|----------------------------|----------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------|-----------------------|
| <a href="#">R1-1711226</a> | Dynamic TDD Cross-link interference management consideration                                             | Qualcomm Incorporated               | Peter Gaal            | <a href="#">57198</a> |
| <a href="#">R1-1711227</a> | UE Power Saving during Active State                                                                      | Qualcomm Incorporated               | Peter Gaal            | <a href="#">57198</a> |
| <a href="#">R1-1711228</a> | NR LTE Adjacent Channel Coexistence Consideration                                                        | Qualcomm Incorporated               | Peter Gaal            | <a href="#">57198</a> |
| <a href="#">R1-1711229</a> | NR-LTE Co-channel Coexistence Considerations                                                             | Qualcomm Incorporated               | Peter Gaal            | <a href="#">57198</a> |
| <a href="#">R1-1711230</a> | Power control and PHR for NR                                                                             | Qualcomm Incorporated               | Peter Gaal            | <a href="#">57198</a> |
| R1-1711231                 | TDD-SUL CA scenario                                                                                      | Qualcomm Incorporated               | Peter Gaal            | <a href="#">57198</a> |
| <a href="#">R1-1711232</a> | Indication of actually transmitted SS blocks                                                             | Sharp                               | Toshizo Nogami        | <a href="#">60264</a> |
| <a href="#">R1-1711233</a> | Remaining issues on power ramping in NR                                                                  | Sharp                               | Toshizo Nogami        | <a href="#">60264</a> |
| <a href="#">R1-1711234</a> | Discussion on mechanisms for beam failure recovery                                                       | Sharp                               | Toshizo Nogami        | <a href="#">60264</a> |
| <a href="#">R1-1711235</a> | REG bundling for NR PDCCH                                                                                | Sharp                               | Toshizo Nogami        | <a href="#">60264</a> |
| <a href="#">R1-1711236</a> | Indication of PDSCH starting position for NR                                                             | Sharp                               | Toshizo Nogami        | <a href="#">60264</a> |
| <a href="#">R1-1711237</a> | Group common PDCCH structure for NR                                                                      | Sharp                               | Toshizo Nogami        | <a href="#">60264</a> |
| <a href="#">R1-1711238</a> | Group common PDCCH contents for NR                                                                       | Sharp                               | Toshizo Nogami        | <a href="#">60264</a> |
| <a href="#">R1-1711239</a> | Group common PDCCH monitoring for NR                                                                     | Sharp                               | Toshizo Nogami        | <a href="#">60264</a> |
| <a href="#">R1-1711240</a> | Slot structure of NR long PUCCH for more than 2 bits                                                     | Sharp                               | Toshizo Nogami        | <a href="#">60264</a> |
| <a href="#">R1-1711241</a> | Structure of NR long PUCCH over multiple slots                                                           | Sharp                               | Toshizo Nogami        | <a href="#">60264</a> |
| <a href="#">R1-1711242</a> | Short PUCCH structure for UCI of up to 2 bits                                                            | Sharp                               | Toshizo Nogami        | <a href="#">60264</a> |
| <a href="#">R1-1711243</a> | Short PUCCH structure for UCI of more than 2 bits                                                        | Sharp                               | Toshizo Nogami        | <a href="#">60264</a> |
| <a href="#">R1-1711244</a> | PUCCH and PUSCH multiplexing methods                                                                     | Sharp                               | Toshizo Nogami        | <a href="#">60264</a> |
| <a href="#">R1-1711245</a> | Pardon the Interruption: Downlink Control Signaling to Enable Preemption and CBG-based (Re) Transmission | Sharp                               | Toshizo Nogami        | <a href="#">60264</a> |
| <a href="#">R1-1711246</a> | Discussion on Bursty Interference Measurement Resources                                                  | Qualcomm Incorporated               | Peter Gaal            | <a href="#">57198</a> |
| <a href="#">R1-1711247</a> | Contents of group common PDCCH                                                                           | Qualcomm Incorporated               | Peter Gaal            | <a href="#">57198</a> |
| R1-1711248                 | NR-LTE Co-channel Coexistence Considerations                                                             | Qualcomm Incorporated               | Peter Gaal            | <a href="#">57198</a> |
| R1-1711249                 | Power control and PHR for NR                                                                             | Qualcomm Incorporated               | Peter Gaal            | <a href="#">57198</a> |
| R1-1711250                 | TDD-SUL CA scenario                                                                                      | Qualcomm Incorporated               | Peter Gaal            | <a href="#">57198</a> |
| <a href="#">R1-1711251</a> | Design of Long-PUCCH for UCI of more than 2 bits                                                         | Cohere Technologies                 | Christian Ibars Casas | <a href="#">66231</a> |
| <a href="#">R1-1711252</a> | Support of long-PUCCH over multiple slots                                                                | Cohere Technologies                 | Christian Ibars Casas | <a href="#">66231</a> |
| <a href="#">R1-1711253</a> | Resource configuration for UL transmission without grant                                                 | NICT                                | Masayuki Oodo         | <a href="#">69716</a> |
| <a href="#">R1-1711254</a> | Discussion on Paging Design                                                                              | III                                 | Chun-che Chien        | <a href="#">43585</a> |
| <a href="#">R1-1711255</a> | Correction on the formula of AnnexA                                                                      | ZTE                                 | Nan Zhang             | <a href="#">64596</a> |
| <a href="#">R1-1711256</a> | Correction on Procedure A of spatially-consistency UT mobility modeling                                  | ZTE                                 | Nan Zhang             | <a href="#">64596</a> |
| <a href="#">R1-1711257</a> | Discussion on DL control signalling for CBG-based retransmission                                         | HTC Corporation                     | Ling-san Meng         | <a href="#">59466</a> |
| <a href="#">R1-1711258</a> | Discussion on UL control signalling for CBG-based retransmission                                         | HTC Corporation                     | Ling-san Meng         | <a href="#">59466</a> |
| <a href="#">R1-1711259</a> | Discussion on CBG-based HARQ feedback multiplexing                                                       | HTC Corporation                     | Ling-san Meng         | <a href="#">59466</a> |
| <a href="#">R1-1711260</a> | Remaining open issues on NR Synchronisation signal design                                                | Nokia, Alcatel-Lucent Shanghai Bell | Karri Ranta-aho       | <a href="#">64268</a> |
| <a href="#">R1-1711261</a> | On SS Burst Set Composition                                                                              | Nokia, Alcatel-Lucent Shanghai Bell | Karri Ranta-aho       | <a href="#">64268</a> |
| <a href="#">R1-1711262</a> | SS block time index indication                                                                           | Nokia, Alcatel-Lucent Shanghai Bell | Karri Ranta-aho       | <a href="#">64268</a> |

|                            |                                                                                      |                                        |                 |                       |
|----------------------------|--------------------------------------------------------------------------------------|----------------------------------------|-----------------|-----------------------|
| <a href="#">R1-1711263</a> | SS-block transmission in multi CC deployments                                        | Nokia, Alcatel-Lucent<br>Shanghai Bell | Karri Ranta-aho | <a href="#">64268</a> |
| <a href="#">R1-1711264</a> | NR-PBCH content                                                                      | Nokia, Alcatel-Lucent<br>Shanghai Bell | Karri Ranta-aho | <a href="#">64268</a> |
| <a href="#">R1-1711265</a> | SS block composition                                                                 | Nokia, Alcatel-Lucent<br>Shanghai Bell | Karri Ranta-aho | <a href="#">64268</a> |
| <a href="#">R1-1711266</a> | NR-PBCH DMRS design                                                                  | Nokia, Alcatel-Lucent<br>Shanghai Bell | Karri Ranta-aho | <a href="#">64268</a> |
| <a href="#">R1-1711267</a> | On Remaining System Information Delivery                                             | Nokia, Alcatel-Lucent<br>Shanghai Bell | Karri Ranta-aho | <a href="#">64268</a> |
| <a href="#">R1-1711268</a> | SS block measurements and procedures                                                 | Nokia, Alcatel-Lucent<br>Shanghai Bell | Karri Ranta-aho | <a href="#">64268</a> |
| <a href="#">R1-1711269</a> | NR Radio link monitoring                                                             | Nokia, Alcatel-Lucent<br>Shanghai Bell | Karri Ranta-aho | <a href="#">64268</a> |
| <a href="#">R1-1711270</a> | [89-16] Email discussion on NR-PRACH preamble formats based on short sequence length | ZTE Corporation                        | Jan Johansson   | <a href="#">72705</a> |
| <a href="#">R1-1711271</a> | Paging in NR                                                                         | Nokia, Alcatel-Lucent<br>Shanghai Bell | Karri Ranta-aho | <a href="#">64268</a> |
| <a href="#">R1-1711272</a> | Configuration for control resource sets and search spaces                            | HTC Corporation                        | Chien-Hsin Tang | <a href="#">70236</a> |
| <a href="#">R1-1711273</a> | Design of resource mapping and NR-PDCCH                                              | HTC Corporation                        | Chien-Hsin Tang | <a href="#">70236</a> |
| <a href="#">R1-1711274</a> | Discussion on location and timing indication of SS block                             | Xiaomi Technology                      | Yang Liu        | <a href="#">66714</a> |
| <a href="#">R1-1711275</a> | Discussion on NR-SSS working assumption                                              | Motorola Mobility,<br>Lenovo           | Vijay Nangia    | <a href="#">34148</a> |
| <a href="#">R1-1711276</a> | Indication of SS block timing information                                            | Motorola Mobility,<br>Lenovo           | Vijay Nangia    | <a href="#">34148</a> |
| <a href="#">R1-1711277</a> | Discussion on NR-PBCH contents                                                       | Motorola Mobility,<br>Lenovo           | Vijay Nangia    | <a href="#">34148</a> |
| <a href="#">R1-1711278</a> | NR-PBCH RE mapping                                                                   | Motorola Mobility,<br>Lenovo           | Vijay Nangia    | <a href="#">34148</a> |
| <a href="#">R1-1711279</a> | RACH configuration and procedure                                                     | Motorola Mobility,<br>Lenovo           | Vijay Nangia    | <a href="#">34148</a> |
| <a href="#">R1-1711280</a> | On CCE and PDCCH mapping                                                             | Motorola Mobility,<br>Lenovo           | Vijay Nangia    | <a href="#">34148</a> |
| <a href="#">R1-1711281</a> | NR Group-common PDCCH contents and structure                                         | Motorola Mobility,<br>Lenovo           | Vijay Nangia    | <a href="#">34148</a> |
| <a href="#">R1-1711282</a> | Short PUCCH for up to 2 bit UCI                                                      | Motorola Mobility,<br>Lenovo           | Vijay Nangia    | <a href="#">34148</a> |
| <a href="#">R1-1711283</a> | PUCCH resource allocation for HARQ-ACK feedback to Msg4                              | Motorola Mobility,<br>Lenovo           | Vijay Nangia    | <a href="#">34148</a> |
| <a href="#">R1-1711284</a> | Codebook Based Transmission and Codebook Design for UL MIMO                          | Nokia, Alcatel-Lucent<br>Shanghai Bell | Mihai Enescu    | <a href="#">68296</a> |
| <a href="#">R1-1711285</a> | Non-codebook based UL-MIMO transmission                                              | Nokia, Alcatel-Lucent<br>Shanghai Bell | Mihai Enescu    | <a href="#">68296</a> |
| <a href="#">R1-1711286</a> | UL-MIMO diversity-based transmission                                                 | Nokia, Alcatel-Lucent<br>Shanghai Bell | Mihai Enescu    | <a href="#">68296</a> |
| <a href="#">R1-1711287</a> | On details of PRB Bundling                                                           | Nokia, Alcatel-Lucent<br>Shanghai Bell | Mihai Enescu    | <a href="#">68296</a> |
| <a href="#">R1-1711288</a> | On the maximum number of PDSCH/PDSCHs to be supported for multi-TRP transmission     | Nokia, Alcatel-Lucent<br>Shanghai Bell | Mihai Enescu    | <a href="#">68296</a> |
| <a href="#">R1-1711289</a> | On the utilization of SS block for beam management                                   | Nokia, Alcatel-Lucent<br>Shanghai Bell | Mihai Enescu    | <a href="#">68296</a> |
| <a href="#">R1-1711290</a> | SRS transmission for beam management                                                 | Nokia, Alcatel-Lucent<br>Shanghai Bell | Mihai Enescu    | <a href="#">68296</a> |

|                            |                                                                        |                                        |                 |                       |
|----------------------------|------------------------------------------------------------------------|----------------------------------------|-----------------|-----------------------|
| <a href="#">R1-1711291</a> | Beam Recovery in NR                                                    | Nokia, Alcatel-Lucent<br>Shanghai Bell | Mihai Enescu    | <a href="#">68296</a> |
| <a href="#">R1-1711292</a> | BPL definition and Spatial QCL time indication                         | Nokia, Alcatel-Lucent<br>Shanghai Bell | Mihai Enescu    | <a href="#">68296</a> |
| <a href="#">R1-1711293</a> | On beam grouping and reporting                                         | Nokia, Alcatel-Lucent<br>Shanghai Bell | Mihai Enescu    | <a href="#">68296</a> |
| <a href="#">R1-1711294</a> | On Multi-beam Downlink Control Channel Operation                       | Nokia, Alcatel-Lucent<br>Shanghai Bell | Mihai Enescu    | <a href="#">68296</a> |
| <a href="#">R1-1711295</a> | Multi-beam Uplink Control Channel Operation                            | Nokia, Alcatel-Lucent<br>Shanghai Bell | Mihai Enescu    | <a href="#">68296</a> |
| <a href="#">R1-1711296</a> | On the CRI definition and usability in NR                              | Nokia, Alcatel-Lucent<br>Shanghai Bell | Mihai Enescu    | <a href="#">68296</a> |
| <a href="#">R1-1711297</a> | Remaining aspects on interference estimation options and configuration | Nokia, Alcatel-Lucent<br>Shanghai Bell | Mihai Enescu    | <a href="#">68296</a> |
| <a href="#">R1-1711298</a> | On the channel reciprocity support for CSI acquisition                 | Nokia, Alcatel-Lucent<br>Shanghai Bell | Mihai Enescu    | <a href="#">68296</a> |
| <a href="#">R1-1711299</a> | Feedback transmission of type II codebook                              | Nokia, Alcatel-Lucent<br>Shanghai Bell | Mihai Enescu    | <a href="#">68296</a> |
| <a href="#">R1-1711300</a> | CSI feedback in support of semi-open loop transmission                 | Nokia, Alcatel-Lucent<br>Shanghai Bell | Mihai Enescu    | <a href="#">68296</a> |
| <a href="#">R1-1711301</a> | On the CSI timing relationships                                        | Nokia, Alcatel-Lucent<br>Shanghai Bell | Mihai Enescu    | <a href="#">68296</a> |
| <a href="#">R1-1711302</a> | On multiplexing of different RS types                                  | Nokia, Alcatel-Lucent<br>Shanghai Bell | Mihai Enescu    | <a href="#">68296</a> |
| <a href="#">R1-1711303</a> | On the CSI-RS configurations for NR CSI acquisition                    | Nokia, Alcatel-Lucent<br>Shanghai Bell | Mihai Enescu    | <a href="#">68296</a> |
| <a href="#">R1-1711304</a> | On CSI-RS Design for DL Beam Management                                | Nokia, Alcatel-Lucent<br>Shanghai Bell | Mihai Enescu    | <a href="#">68296</a> |
| <a href="#">R1-1711305</a> | On design of DL DM-RS for NR physical data channels                    | Nokia, Alcatel-Lucent<br>Shanghai Bell | Mihai Enescu    | <a href="#">68296</a> |
| <a href="#">R1-1711306</a> | DL DM-RS patterns link performance evaluation                          | Nokia, Alcatel-Lucent<br>Shanghai Bell | Mihai Enescu    | <a href="#">68296</a> |
| <a href="#">R1-1711307</a> | On design of UL DM-RS for NR physical data channels                    | Nokia, Alcatel-Lucent<br>Shanghai Bell | Mihai Enescu    | <a href="#">68296</a> |
| <a href="#">R1-1711308</a> | Discussion on PT-RS design for CP-OFDM                                 | Nokia, Alcatel-Lucent<br>Shanghai Bell | Mihai Enescu    | <a href="#">68296</a> |
| <a href="#">R1-1711309</a> | On Details of the PT-RS Design for DFT-s-OFDM                          | Nokia, Alcatel-Lucent<br>Shanghai Bell | Mihai Enescu    | <a href="#">68296</a> |
| <a href="#">R1-1711310</a> | UL SRS design considerations in NR                                     | Nokia, Alcatel-Lucent<br>Shanghai Bell | Mihai Enescu    | <a href="#">68296</a> |
| <a href="#">R1-1711311</a> | Views on the FTFT-RS in NR                                             | Nokia, Alcatel-Lucent<br>Shanghai Bell | Mihai Enescu    | <a href="#">68296</a> |
| <a href="#">R1-1711312</a> | On QCL Framework and Configurations in NR                              | Nokia, Alcatel-Lucent<br>Shanghai Bell | Mihai Enescu    | <a href="#">68296</a> |
| <a href="#">R1-1711313</a> | Cross-link interference management based on Xn support                 | Nokia, Alcatel-Lucent<br>Shanghai Bell | Karri Ranta-aho | <a href="#">64268</a> |

|                            |                                                                           |                                        |                  |                       |
|----------------------------|---------------------------------------------------------------------------|----------------------------------------|------------------|-----------------------|
| <a href="#">R1-1711314</a> | On NR Cross-Link Symbol Alignment Scheme                                  | Nokia, Alcatel-Lucent<br>Shanghai Bell | Karri Ranta-aho  | <a href="#">64268</a> |
| <a href="#">R1-1711315</a> | LBT-based UL transmission for dynamic TDD                                 | Nokia, Alcatel-Lucent<br>Shanghai Bell | Karri Ranta-aho  | <a href="#">64268</a> |
| <a href="#">R1-1711316</a> | DL control signaling for CBG-based (re)transmission                       | Shenzhen Coolpad<br>Technologies       | Mingju Li        | <a href="#">60196</a> |
| <a href="#">R1-1711317</a> | Discussion on NR Operating in Unlicensed Spectrum                         | ASUSTEK<br>COMPUTER<br>(SHANGHAI)      | Alex Liou        | <a href="#">65894</a> |
| <a href="#">R1-1711318</a> | Discussion on the options in NR design                                    | Panasonic                              | Hidetoshi Suzuki | <a href="#">21346</a> |
| <a href="#">R1-1711319</a> | Relation among NR-PBCH, SIBs and subcells                                 | Panasonic                              | Hidetoshi Suzuki | <a href="#">21346</a> |
| <a href="#">R1-1711320</a> | Resource sharing between PDCCH and PDSCH                                  | Panasonic                              | Hidetoshi Suzuki | <a href="#">21346</a> |
| <a href="#">R1-1711321</a> | PDCCH BD reduction                                                        | Panasonic                              | Hidetoshi Suzuki | <a href="#">21346</a> |
| <a href="#">R1-1711322</a> | Frequency/time resource assignment of the operation modes                 | Panasonic                              | Hidetoshi Suzuki | <a href="#">21346</a> |
| <a href="#">R1-1711323</a> | UL data transmission without grant                                        | Panasonic                              | Hidetoshi Suzuki | <a href="#">21346</a> |
| <a href="#">R1-1711324</a> | DL control signalling for CBG-based (re)transmission                      | Panasonic                              | Hidetoshi Suzuki | <a href="#">21346</a> |
| <a href="#">R1-1711325</a> | UE category modelling and soft buffer                                     | Panasonic                              | Hidetoshi Suzuki | <a href="#">21346</a> |
| <a href="#">R1-1711326</a> | Comment on NR specification                                               | Panasonic                              | Hidetoshi Suzuki | <a href="#">21346</a> |
| <a href="#">R1-1711327</a> | The relation among REG, CCE, and CORESET                                  | Panasonic                              | Hidetoshi Suzuki | <a href="#">21346</a> |
| <a href="#">R1-1711328</a> | RS mapping of NR-PDCCH                                                    | Panasonic                              | Hidetoshi Suzuki | <a href="#">21346</a> |
| <a href="#">R1-1711329</a> | Configuration of CORESET                                                  | Panasonic                              | Hidetoshi Suzuki | <a href="#">21346</a> |
| <a href="#">R1-1711330</a> | Search space design                                                       | Panasonic                              | Hidetoshi Suzuki | <a href="#">21346</a> |
| <a href="#">R1-1711331</a> | Discussion on structure of group common PDCCH                             | Panasonic                              | Hidetoshi Suzuki | <a href="#">21346</a> |
| <a href="#">R1-1711332</a> | Discussion on contents of group common PDCCH                              | Panasonic                              | Hidetoshi Suzuki | <a href="#">21346</a> |
| <a href="#">R1-1711333</a> | Discussion on DL/UL transmission direction                                | Panasonic                              | Hidetoshi Suzuki | <a href="#">21346</a> |
| <a href="#">R1-1711334</a> | Considerations on UE Beamforming Management                               | ASUSTEK<br>COMPUTER<br>(SHANGHAI)      | Mingche Li       | <a href="#">53966</a> |
| <a href="#">R1-1711335</a> | UL power control in multi-beam based approaches                           | ASUSTEK<br>COMPUTER<br>(SHANGHAI)      | Mingche Li       | <a href="#">53966</a> |
| <a href="#">R1-1711336</a> | Discussion on group based beam reporting                                  | China Unicom                           | Xiao Han         | <a href="#">46713</a> |
| <a href="#">R1-1711337</a> | On NR-LTE coexistence for NSA and SA                                      | China Unicom                           | Xiao Han         | <a href="#">46713</a> |
| <a href="#">R1-1711338</a> | Consideration on physical downlink control channel for URLLC              | CATR                                   | Yanping Xing     | <a href="#">57090</a> |
| <a href="#">R1-1711339</a> | Consideration on the CSI-RS design for NR                                 | CATR                                   | Yanping Xing     | <a href="#">57090</a> |
| <a href="#">R1-1711340</a> | Consideration on the font loaded DM RS design for NR                      | CATR                                   | Yanping Xing     | <a href="#">57090</a> |
| <a href="#">R1-1711341</a> | Discussions on the indication for CBG                                     | CATR                                   | Yanping Xing     | <a href="#">57090</a> |
| <a href="#">R1-1711342</a> | Discussion on the granularity of preemption indication                    | CATR                                   | Yanping Xing     | <a href="#">57090</a> |
| <a href="#">R1-1711343</a> | Discussion on URLLC transmitted in same or different numerology resources | ASUSTEK<br>COMPUTER<br>(SHANGHAI)      | Denny Huang      | <a href="#">65852</a> |
| <a href="#">R1-1711344</a> | LDPC Coding chain                                                         | Intel Corporation                      | Seunghee Han     | <a href="#">47329</a> |
| <a href="#">R1-1711345</a> | Base Graph 1 lifting and evaluations                                      | Intel Corporation                      | Seunghee Han     | <a href="#">47329</a> |
| <a href="#">R1-1711346</a> | Base Graph 2 lifting and evaluations                                      | Intel Corporation                      | Seunghee Han     | <a href="#">47329</a> |
| <a href="#">R1-1711347</a> | Simple distributed CRC design for Polar codes                             | Intel Corporation                      | Seunghee Han     | <a href="#">47329</a> |
| <a href="#">R1-1711348</a> | Evaluations of Polar code designs                                         | Intel Corporation                      | Seunghee Han     | <a href="#">47329</a> |
| <a href="#">R1-1711349</a> | Discussion on Polar code rate-matching                                    | Intel Corporation                      | Seunghee Han     | <a href="#">47329</a> |
| <a href="#">R1-1711350</a> | DMRS pattern configuration for NR                                         | ITL                                    | Sung Jun Yoon    | <a href="#">58632</a> |
| <a href="#">R1-1711351</a> | On timing indication for NR                                               | ITL                                    | Sung Jun Yoon    | <a href="#">58632</a> |
| <a href="#">R1-1711352</a> | Multiple SS block indication in wideband CC                               | ITL                                    | Sung Jun Yoon    | <a href="#">58632</a> |
| <a href="#">R1-1711353</a> | DMRS sequence design for NR-PBCH                                          | ITL                                    | Sung Jun Yoon    | <a href="#">58632</a> |
| <a href="#">R1-1711354</a> | PDSCH starting position indication for NR                                 | WILUS Inc.                             | Minseok Noh      | <a href="#">62848</a> |
| <a href="#">R1-1711355</a> | Discussion on structure for group-common PDCCH for NR                     | WILUS Inc.                             | Minseok Noh      | <a href="#">62848</a> |

|                            |                                                                              |                                     |                 |                       |
|----------------------------|------------------------------------------------------------------------------|-------------------------------------|-----------------|-----------------------|
| <a href="#">R1-1711356</a> | Discussion on contents for group-common PDCCH for NR                         | WILUS Inc.                          | Minseok Noh     | <a href="#">62848</a> |
| <a href="#">R1-1711357</a> | Discussion on UE behavior for group-common PDCCH for NR                      | WILUS Inc.                          | Minseok Noh     | <a href="#">62848</a> |
| <a href="#">R1-1711358</a> | Short PUCCH structure for UCI of up to 2 bits                                | WILUS Inc.                          | Minseok Noh     | <a href="#">62848</a> |
| <a href="#">R1-1711359</a> | Discussion on UCI piggyback on PUSCH                                         | WILUS Inc.                          | Minseok Noh     | <a href="#">62848</a> |
| <a href="#">R1-1711360</a> | Simultaneous transmission for long-PUCCH and PUSCH                           | WILUS Inc.                          | Minseok Noh     | <a href="#">62848</a> |
| <a href="#">R1-1711361</a> | Discussion on UL HARQ-ACK feedback for CBG-based retransmission              | WILUS Inc.                          | Minseok Noh     | <a href="#">62848</a> |
| <a href="#">R1-1711362</a> | Discussion on UE behavior by pre-emption indication                          | WILUS Inc.                          | Minseok Noh     | <a href="#">62848</a> |
| <a href="#">R1-1711363</a> | Two-step resource allocation for data channel in NR                          | ASUSTEK COMPUTER (SHANGHAI)         | Eddie Lin       | <a href="#">40159</a> |
| <a href="#">R1-1711364</a> | Multiple SS block transmissions in a wideband CC                             | ASUSTEK COMPUTER (SHANGHAI)         | Eddie Lin       | <a href="#">40159</a> |
| <a href="#">R1-1711365</a> | On UL coverage extension of TDD @3.5GHz                                      | ORANGE                              | Hao Lin         | <a href="#">65530</a> |
| <a href="#">R1-1711366</a> | TS38.211 v0.0.1 NR; Physical channels and modulation                         | Ericsson LM                         | Stefan Parkvall | <a href="#">28759</a> |
| <a href="#">R1-1711367</a> | On UE processing time                                                        | Ericsson LM                         | Stefan Parkvall | <a href="#">28759</a> |
| <a href="#">R1-1711368</a> | Discussion on the search space design                                        | Xiaomi technology                   | Yajun Zhu       | <a href="#">71337</a> |
| <a href="#">R1-1711369</a> | Discussion on the content of group common PDCCH                              | Xiaomi technology                   | Yajun Zhu       | <a href="#">71337</a> |
| <a href="#">R1-1711370</a> | Discussion on the search space design                                        | Xiaomi Technology                   | Yajun Zhu       | <a href="#">71337</a> |
| <a href="#">R1-1711371</a> | Remaining details on NR-SS sequence design                                   | Ericsson                            | Asbjorn Grovlen | <a href="#">45069</a> |
| <a href="#">R1-1711372</a> | SS burst set composition                                                     | Ericsson                            | Asbjorn Grovlen | <a href="#">45069</a> |
| <a href="#">R1-1711373</a> | Timing indication based on SS block                                          | Ericsson                            | Asbjorn Grovlen | <a href="#">45069</a> |
| <a href="#">R1-1711374</a> | NR-PBCH Content and payload size                                             | Ericsson                            | Asbjorn Grovlen | <a href="#">45069</a> |
| <a href="#">R1-1711375</a> | NR-PBCH RE mapping and SS block composition                                  | Ericsson                            | Asbjorn Grovlen | <a href="#">45069</a> |
| <a href="#">R1-1711376</a> | NR-PBCH DMRS design                                                          | Ericsson                            | Asbjorn Grovlen | <a href="#">45069</a> |
| <a href="#">R1-1711377</a> | NR delivery of remaining minimum system information                          | Ericsson                            | Asbjorn Grovlen | <a href="#">45069</a> |
| <a href="#">R1-1711378</a> | NR delivery of other system information                                      | Ericsson                            | Asbjorn Grovlen | <a href="#">45069</a> |
| <a href="#">R1-1711379</a> | On NR paging design                                                          | Ericsson                            | Asbjorn Grovlen | <a href="#">45069</a> |
| <a href="#">R1-1711380</a> | NR-RACH preamble format details                                              | Ericsson                            | Asbjorn Grovlen | <a href="#">45069</a> |
| <a href="#">R1-1711381</a> | NR-RACH preamble format details for capacity enhancement and beam management | Ericsson                            | Asbjorn Grovlen | <a href="#">45069</a> |
| <a href="#">R1-1711382</a> | Power ramping and power control during RA procedure                          | Ericsson                            | Asbjorn Grovlen | <a href="#">45069</a> |
| <a href="#">R1-1711383</a> | 4-step random access procedure                                               | Ericsson                            | Asbjorn Grovlen | <a href="#">45069</a> |
| <a href="#">R1-1711384</a> | Mobility measurements based on SS block                                      | Ericsson                            | Asbjorn Grovlen | <a href="#">45069</a> |
| <a href="#">R1-1711385</a> | Measurements based on CSI-RS for L3 mobility                                 | Ericsson                            | Asbjorn Grovlen | <a href="#">45069</a> |
| <a href="#">R1-1711386</a> | Radio link monitoring                                                        | Ericsson                            | Asbjorn Grovlen | <a href="#">45069</a> |
| <a href="#">R1-1711387</a> | Consideration of PRACH Configuration in NR                                   | Ericsson                            | Asbjorn Grovlen | <a href="#">45069</a> |
| <a href="#">R1-1711388</a> | Additional synchronization provision                                         | Ericsson                            | Asbjorn Grovlen | <a href="#">45069</a> |
| <a href="#">R1-1711389</a> | Further details on scrambling                                                | Ericsson                            | Asbjorn Grovlen | <a href="#">45069</a> |
| <a href="#">R1-1711390</a> | Discussion on the structure of group common PDCCH                            | Xiaomi Technology                   | Yajun Zhu       | <a href="#">71337</a> |
| <a href="#">R1-1711391</a> | On Other System Information Delivery                                         | Nokia, Alcatel-Lucent Shanghai Bell | Karri Ranta-aho | <a href="#">64268</a> |
| <a href="#">R1-1711392</a> | CSI-RS configuration for L3 mobility purposes                                | Nokia, Alcatel-Lucent Shanghai Bell | Karri Ranta-aho | <a href="#">64268</a> |
| <a href="#">R1-1711393</a> | Calibration results for Phase 1 NR MIMO system level calibration             | MOTOROLA MOBILITY LLC               | Colin Frank     | <a href="#">46352</a> |
| <a href="#">R1-1711394</a> | Discussion on SS Burst Set Design                                            | Convida Wireless LLC                | Qing Li         | <a href="#">65106</a> |
| <a href="#">R1-1711395</a> | Discussion on Multi-beam Operation for PDCCH                                 | Convida Wireless LLC                | Qing Li         | <a href="#">65106</a> |
| <a href="#">R1-1711396</a> | On power sharing between LTE and NR in DC                                    | Nokia, Alcatel-Lucent Shanghai Bell | Emad Farag      | <a href="#">66840</a> |

|                            |                                                                             |                                        |                 |                       |
|----------------------------|-----------------------------------------------------------------------------|----------------------------------------|-----------------|-----------------------|
| <a href="#">R1-1711397</a> | UL Power Control for MIMO                                                   | Nokia, Alcatel-Lucent<br>Shanghai Bell | Emad Farag      | <a href="#">66840</a> |
| <a href="#">R1-1711398</a> | On spectrum shaping for uplink Pi/2 BPSK with DFT-S-OFDM                    | Nokia, Alcatel-Lucent<br>Shanghai Bell | Karri Ranta-aho | <a href="#">64268</a> |
| <a href="#">R1-1711399</a> | LTE and NR performance in NR-LTE UL sharing                                 | Nokia, Alcatel-Lucent<br>Shanghai Bell | Karri Ranta-aho | <a href="#">64268</a> |
| <a href="#">R1-1711400</a> | On 1Tx only UE in LTE-NR Dual Connectivity                                  | Nokia, Alcatel-Lucent<br>Shanghai Bell | Karri Ranta-aho | <a href="#">64268</a> |
| <a href="#">R1-1711401</a> | Measurement RS for beam management                                          | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711402</a> | Relationship between beam failure recovery and RLF                          | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711403</a> | Robust transmission for UL control channel                                  | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711404</a> | Discussion on reciprocity based CSI acquisition mechanism                   | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711405</a> | CSI acquisition for DL robust transmission                                  | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711406</a> | Other remaining issues for CSI framework                                    | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711407</a> | Multiple-panel codebook                                                     | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711408</a> | Category 2 codebook design for type II codebook                             | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711409</a> | Codebook design for beamformed CSI-RS                                       | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711410</a> | Cross-carrier beam management                                               | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711411</a> | Evaluation on REG bundle sizes for 1-symbol CORESET duration                | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711412</a> | Evaluation on REG bundle sizes for more than 1 symbol CORESET duration      | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711413</a> | CCE-to-REG mapping                                                          | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711414</a> | PDCCH-to-CCE mapping                                                        | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711415</a> | NR DL control capacity and blocking probability                             | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711416</a> | Performance evaluations on 1-symbol PUCCH for up to 2 UCI bits              | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711417</a> | Long PUCCH structure for large payload with no multiplexing capacity        | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711418</a> | On CSI feedback in NR                                                       | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711419</a> | Transmit diversity for short duration PUCCH                                 | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711420</a> | Multiplexing between PUCCHs                                                 | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711421</a> | Multiplexing of UL control channel and SRS in NR                            | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711422</a> | Resource allocation for data channels                                       | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711423</a> | PDCCH monitoring for slot-aggregation and cross-slot scheduling             | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711424</a> | On bandwidth adaptation                                                     | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711425</a> | Summary of LTE CA/DC and remaining issues for NR                            | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711426</a> | CBG-based transmission/retransmission for DL multiplexing of eMBB and URLLC | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711427</a> | Discussion on group common pre-emption indication                           | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711428</a> | Superposed transmission of pre-emption indication with eMBB data            | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711429</a> | Consideration on ACK/NACK error in CBG-based retransmission                 | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711430</a> | Discussion on UL multiplexing of grant-based eMBB and URLLC                 | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711431</a> | HARQ feedback indication design for UL grant-free transmission              | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711432</a> | Discussion on over-the-air time synchronization for URLLC                   | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711433</a> | Discussion on remaining frequency resources on symbol carrying CORESET      | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711434</a> | Discussion on TB size determination                                         | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711435</a> | Unified design for slot and mini-slot                                       | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711436</a> | LDPC design for base graph 1                                                | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711437</a> | LDPC design for base graph 2                                                | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711438</a> | Rate matching for LDPC codes                                                | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711439</a> | Segmentation for eMBB data                                                  | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711440</a> | On LDPC codes for eMBB data                                                 | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711441</a> | On the feedback overhead reduction for multi-subband UL MIMO                | Huawei, HiSilicon                      | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711442</a> | Summary of [89-27] Polar code proposal for NR                               | Huawei                                 | Brian Classon   | <a href="#">45750</a> |

|                            |                                                                                                           |                   |                 |                       |
|----------------------------|-----------------------------------------------------------------------------------------------------------|-------------------|-----------------|-----------------------|
| <a href="#">R1-1711443</a> | Summary of [89-26] Polar code for NR -- alignment of latency/complexity calculation for early termination | Huawei            | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711444</a> | Continuous precoding for NR DMRS in time domain                                                           | Samsung           | Younsun Kim     | <a href="#">43499</a> |
| <a href="#">R1-1711445</a> | System level evaluation results for beam management                                                       | Samsung           | Younsun Kim     | <a href="#">43499</a> |
| <a href="#">R1-1711446</a> | Link level evaluation results for beam management                                                         | Samsung           | Younsun Kim     | <a href="#">43499</a> |
| <a href="#">R1-1711447</a> | Link level simulation assumptions for beam management                                                     | Samsung           | Younsun Kim     | <a href="#">43499</a> |
| <a href="#">R1-1711448</a> | System level simulation assumptions for beam management                                                   | Samsung           | Younsun Kim     | <a href="#">43499</a> |
| <a href="#">R1-1711449</a> | Discussions on service specific CSI for NR                                                                | Samsung           | Younsun Kim     | <a href="#">43499</a> |
| <a href="#">R1-1711450</a> | MIMO Phase-2 SLS calibration results on 30GHz frequency band                                              | Samsung           | Younsun Kim     | <a href="#">43499</a> |
| <a href="#">R1-1711451</a> | MIMO Phase-2 LLS calibration results on 30GHz frequency band                                              | Samsung           | Younsun Kim     | <a href="#">43499</a> |
| <a href="#">R1-1711452</a> | Evaluation results for dense urban on 30GHz frequency band                                                | Samsung           | Younsun Kim     | <a href="#">43499</a> |
| <a href="#">R1-1711453</a> | DL and UL Assignment for NR TDD                                                                           | Samsung           | Younsun Kim     | <a href="#">43499</a> |
| <a href="#">R1-1711454</a> | Slot Reconfiguration for Low Latency in TDD                                                               | Samsung           | Younsun Kim     | <a href="#">43499</a> |
| <a href="#">R1-1711455</a> | Indication of Reserved Resources                                                                          | Samsung           | Younsun Kim     | <a href="#">43499</a> |
| <a href="#">R1-1711456</a> | HARQ Process Management in NR                                                                             | Samsung           | Younsun Kim     | <a href="#">43499</a> |
| <a href="#">R1-1711457</a> | Indication of Preempted Resources Prior to HARQ-ACK Feedback                                              | Samsung           | Younsun Kim     | <a href="#">43499</a> |
| <a href="#">R1-1711458</a> | Considerations on Signaling for Indicating Preempted Resources                                            | Samsung           | Younsun Kim     | <a href="#">43499</a> |
| <a href="#">R1-1711459</a> | Modulation Scheme for URLLC with Preemption Multiplexing                                                  | Samsung           | Younsun Kim     | <a href="#">43499</a> |
| <a href="#">R1-1711460</a> | On Transparency of Spectrum Shaping for p/2-BPSK DFT-s-OFDM                                               | Samsung           | Younsun Kim     | <a href="#">43499</a> |
| <a href="#">R1-1711461</a> | On Spectrum Shaping Methods for p/2-BPSK DFT-s-OFDM                                                       | Samsung           | Younsun Kim     | <a href="#">43499</a> |
| <a href="#">R1-1711462</a> | On Modulation Schemes for High Spectral Efficiency                                                        | Samsung           | Younsun Kim     | <a href="#">43499</a> |
| <a href="#">R1-1711463</a> | Transmission and Reception for High-Order Modulation with MIMO                                            | Samsung           | Younsun Kim     | <a href="#">43499</a> |
| <a href="#">R1-1711464</a> | High level consideration on NR unlicensed band operation                                                  | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711465</a> | NR Numerology on unlicensed bands                                                                         | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711466</a> | NR Frame structure on unlicensed bands                                                                    | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711467</a> | Coexistence and Channel access for NR unlicensed band operations                                          | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711468</a> | On CSI-RS design for DL beam management                                                                   | KT Corp.          | Kyu Jin Park    | <a href="#">58528</a> |
| <a href="#">R1-1711469</a> | NR standalone operation on unlicensed bands                                                               | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711470</a> | Discussion on NoMA study for Rel-15 SI                                                                    | Huawei, HiSilicon | Brian Classon   | <a href="#">45750</a> |
| <a href="#">R1-1711471</a> | Discussions on Transmission Duration                                                                      | KT Corp.          | Kyu Jin Park    | <a href="#">58528</a> |
| <a href="#">R1-1711472</a> | Considerations on TB-CRC Failure                                                                          | KT Corp.          | Kyu Jin Park    | <a href="#">58528</a> |
| <a href="#">R1-1711473</a> | View on Multi-Beam Management                                                                             | KT Corp.          | Kyu Jin Park    | <a href="#">58528</a> |
| <a href="#">R1-1711474</a> | Views on preemption indication for DL                                                                     | KT Corp.          | Kyu Jin Park    | <a href="#">58528</a> |
| <a href="#">R1-1711475</a> | Views on CCE-to-REG mapping                                                                               | KT Corp.          | Kyu Jin Park    | <a href="#">58528</a> |
| <a href="#">R1-1711476</a> | On UE Categories/Capabilities                                                                             | Ericsson          | Sorour Falahati | <a href="#">58325</a> |
| <a href="#">R1-1711477</a> | On NR-PDCCH Structure                                                                                     | Ericsson          | Sorour Falahati | <a href="#">58325</a> |
| <a href="#">R1-1711478</a> | On DM-RS for NR-PDCCH                                                                                     | Ericsson          | Sorour Falahati | <a href="#">58325</a> |
| <a href="#">R1-1711479</a> | On Configuration of Control Resource Sets                                                                 | Ericsson          | Sorour Falahati | <a href="#">58325</a> |
| <a href="#">R1-1711480</a> | On Search Space and Blind Decoding Design                                                                 | Ericsson          | Sorour Falahati | <a href="#">58325</a> |
| <a href="#">R1-1711481</a> | On Multi-beam and Multi-TRP Operation for PDCCH                                                           | Ericsson          | Sorour Falahati | <a href="#">58325</a> |
| <a href="#">R1-1711482</a> | On Data Transmission in Control Resource Sets                                                             | Ericsson          | Sorour Falahati | <a href="#">58325</a> |
| <a href="#">R1-1711483</a> | On Group-Common PDCCH Structure and Configuration                                                         | Ericsson          | Sorour Falahati | <a href="#">58325</a> |
| <a href="#">R1-1711484</a> | On the Content of Group-Common PDCCH                                                                      | Ericsson          | Sorour Falahati | <a href="#">58325</a> |
| <a href="#">R1-1711485</a> | On UE Procedures Related to Group-Common PDCCH                                                            | Ericsson          | Sorour Falahati | <a href="#">58325</a> |
| <a href="#">R1-1711486</a> | On PDCCH for Ultra-Reliable Transmission                                                                  | Ericsson          | Sorour Falahati | <a href="#">58325</a> |
| <a href="#">R1-1711487</a> | On the Performance Evaluation of PDCCH for Ultra-Reliable Transmission                                    | Ericsson          | Sorour Falahati | <a href="#">58325</a> |
| <a href="#">R1-1711488</a> | On the Design of Short PUCCH for 1-2 UCI bits                                                             | Ericsson          | Sorour Falahati | <a href="#">58325</a> |
| <a href="#">R1-1711489</a> | On the Design of Short PUCCH for more than 2 UCI bits                                                     | Ericsson          | Sorour Falahati | <a href="#">58325</a> |
| <a href="#">R1-1711490</a> | On the Design of Long PUCCH for 1-2 UCI bits                                                              | Ericsson          | Sorour Falahati | <a href="#">58325</a> |

|                            |                                                                                                      |                                     |                       |                       |
|----------------------------|------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------|-----------------------|
| <a href="#">R1-1711491</a> | On the Design of Long PUCCH for more than 2 UCI bits                                                 | Ericsson                            | Sorour Falahati       | <a href="#">58325</a> |
| <a href="#">R1-1711492</a> | On support of Long PUCCH over multiple slots                                                         | Ericsson                            | Sorour Falahati       | <a href="#">58325</a> |
| <a href="#">R1-1711493</a> | On Transmit Diversity Schemes for PUCCH                                                              | Ericsson                            | Sorour Falahati       | <a href="#">58325</a> |
| <a href="#">R1-1711494</a> | On Resource Allocation for PUCCH and Multiplexing PUCCH Formats                                      | Ericsson                            | Sorour Falahati       | <a href="#">58325</a> |
| <a href="#">R1-1711495</a> | On UCI on PUSCH                                                                                      | Ericsson                            | Sorour Falahati       | <a href="#">58325</a> |
| <a href="#">R1-1711496</a> | On Simultaneous Transmission of PUSCH and PUCCH                                                      | Ericsson                            | Sorour Falahati       | <a href="#">58325</a> |
| <a href="#">R1-1711497</a> | On PUCCH for Ultra-Reliable Transmission                                                             | Ericsson                            | Sorour Falahati       | <a href="#">58325</a> |
| <a href="#">R1-1711498</a> | On the Performance Evaluation of PUCCH for Ultra-Reliable Transmission                               | Ericsson                            | Sorour Falahati       | <a href="#">58325</a> |
| <a href="#">R1-1711499</a> | On Resource Allocation in the Frequency Domain                                                       | Ericsson                            | Sorour Falahati       | <a href="#">58325</a> |
| <a href="#">R1-1711500</a> | On Resource Allocation in the Time Domain                                                            | Ericsson                            | Sorour Falahati       | <a href="#">58325</a> |
| <a href="#">R1-1711501</a> | On MCS/transport Block Size Determination                                                            | Ericsson                            | Sorour Falahati       | <a href="#">58325</a> |
| <a href="#">R1-1711502</a> | On UL Data Scheduling Grant in NR                                                                    | Ericsson                            | Sorour Falahati       | <a href="#">58325</a> |
| <a href="#">R1-1711503</a> | On Scheduling Request Enhancements                                                                   | Ericsson                            | Sorour Falahati       | <a href="#">58325</a> |
| <a href="#">R1-1711504</a> | On SPS/Grant-Free Transmission                                                                       | Ericsson                            | Sorour Falahati       | <a href="#">58325</a> |
| <a href="#">R1-1711505</a> | On HARQ Retransmission for SPS/Grant-free                                                            | Ericsson                            | Sorour Falahati       | <a href="#">58325</a> |
| <a href="#">R1-1711506</a> | On Code Block Group Formation and CRC Attachment                                                     | Ericsson                            | Sorour Falahati       | <a href="#">58325</a> |
| <a href="#">R1-1711507</a> | On Retransmission Decoder Throughput Issues and CBG-based Retransmission Control                     | Ericsson                            | Sorour Falahati       | <a href="#">58325</a> |
| <a href="#">R1-1711508</a> | On Design of CBG HARQ-ACK Feedback Schemes                                                           | Ericsson                            | Sorour Falahati       | <a href="#">58325</a> |
| <a href="#">R1-1711509</a> | On HARQ Feedback Timing                                                                              | Ericsson                            | Sorour Falahati       | <a href="#">58325</a> |
| <a href="#">R1-1711510</a> | On HARQ Codebook                                                                                     | Ericsson                            | Sorour Falahati       | <a href="#">58325</a> |
| <a href="#">R1-1711511</a> | On Minimum Processing Time and Number of HARQ Processes in NR                                        | Ericsson                            | Sorour Falahati       | <a href="#">58325</a> |
| <a href="#">R1-1711512</a> | On HARQ and Soft Buffer Handling                                                                     | Ericsson                            | Sorour Falahati       | <a href="#">58325</a> |
| <a href="#">R1-1711513</a> | On Pre-emption Indication for Downlink                                                               | Ericsson                            | Sorour Falahati       | <a href="#">58325</a> |
| <a href="#">R1-1711514</a> | On Pre-emption Indication for Uplink                                                                 | Ericsson                            | Sorour Falahati       | <a href="#">58325</a> |
| <a href="#">R1-1711515</a> | On Supporting High Reliability for Data Transmissions                                                | Ericsson                            | Sorour Falahati       | <a href="#">58325</a> |
| <a href="#">R1-1711516</a> | On Mixed Numerology                                                                                  | Ericsson                            | Sorour Falahati       | <a href="#">58325</a> |
| <a href="#">R1-1711517</a> | On Scheduling and UCI Handling in Carrier Aggregation                                                | Ericsson                            | Sorour Falahati       | <a href="#">58325</a> |
| <a href="#">R1-1711518</a> | On SRS Fast Switching in NR                                                                          | Ericsson                            | Sorour Falahati       | <a href="#">58325</a> |
| <a href="#">R1-1711519</a> | On Dual Connectivity for NR                                                                          | Ericsson                            | Sorour Falahati       | <a href="#">58325</a> |
| <a href="#">R1-1711520</a> | Discussion of Multi-Antenna and Highly Directional Beam-Forming for Operation in Unlicensed Spectrum | Ericsson                            | Sorour Falahati       | <a href="#">58325</a> |
| <a href="#">R1-1711521</a> | On Autonomous UL Transmissions for NR in Unlicensed Spectrum                                         | Ericsson                            | Sorour Falahati       | <a href="#">58325</a> |
| <a href="#">R1-1711522</a> | On Channel Access Mechanisms for NR in Unlicensed Spectrum                                           | Ericsson                            | Sorour Falahati       | <a href="#">58325</a> |
| <a href="#">R1-1711523</a> | On NR Operation in the 60 GHz Unlicensed Band                                                        | Ericsson                            | Sorour Falahati       | <a href="#">58325</a> |
| <a href="#">R1-1711524</a> | On Physical Layer Design Policies for Unlicensed Operation of NR                                     | Ericsson                            | Sorour Falahati       | <a href="#">58325</a> |
| <a href="#">R1-1711525</a> | Technology Components for Unlicensed Operation                                                       | Ericsson                            | Sorour Falahati       | <a href="#">58325</a> |
| <a href="#">R1-1711526</a> | Power Sharing for LTE-NR Dual Connectivity                                                           | Ericsson                            | Sorour Falahati       | <a href="#">58325</a> |
| <a href="#">R1-1711527</a> | PRACH Preamble Format Design                                                                         | Cohere Technologies                 | Christian Ibars Casas | <a href="#">66231</a> |
| <a href="#">R1-1711528</a> | Extended Range Considerations for mMTC                                                               | HUGHES Network Systems Ltd          | Mustafa Eroz          | <a href="#">70202</a> |
| <a href="#">R1-1711529</a> | Channel Model for Non-Terrestrial Networks                                                           | HUGHES Network Systems Ltd          | Mustafa Eroz          | <a href="#">70202</a> |
| <a href="#">R1-1711530</a> | CBG based HARQ-Ack/Nack                                                                              | Sequans Communications              | GUANG LIU             | <a href="#">64119</a> |
| <a href="#">R1-1711531</a> | CBG based retransmission                                                                             | Sequans Communications              | GUANG LIU             | <a href="#">64119</a> |
| <a href="#">R1-1711532</a> | CRC attachment for CBG                                                                               | Nokia, Alcatel-Lucent Shanghai Bell | Keeth Jayasinghe      | <a href="#">64118</a> |

|                            |                                                                       |                                        |                  |                       |
|----------------------------|-----------------------------------------------------------------------|----------------------------------------|------------------|-----------------------|
| <a href="#">R1-1711533</a> | CRC attachment for Smaller TBs                                        | Nokia, Alcatel-Lucent<br>Shanghai Bell | Keeth Jayasinghe | <a href="#">64118</a> |
| <a href="#">R1-1711534</a> | Code block segmentation of eMBB                                       | Nokia, Alcatel-Lucent<br>Shanghai Bell | Keeth Jayasinghe | <a href="#">64118</a> |
| <a href="#">R1-1711535</a> | Padding for LDPC                                                      | Nokia, Alcatel-Lucent<br>Shanghai Bell | Keeth Jayasinghe | <a href="#">64118</a> |
| <a href="#">R1-1711536</a> | Rate matching for LDPC                                                | Nokia, Alcatel-Lucent<br>Shanghai Bell | Keeth Jayasinghe | <a href="#">64118</a> |
| <a href="#">R1-1711537</a> | LDPC designs for base graph 1 and base graph 2                        | Nokia, Alcatel-Lucent<br>Shanghai Bell | Keeth Jayasinghe | <a href="#">64118</a> |
| <a href="#">R1-1711538</a> | Interleaving for LDPC                                                 | Nokia, Alcatel-Lucent<br>Shanghai Bell | Keeth Jayasinghe | <a href="#">64118</a> |
| <a href="#">R1-1711539</a> | Distributed CRC Polar code construction                               | Nokia, Alcatel-Lucent<br>Shanghai Bell | Keeth Jayasinghe | <a href="#">64118</a> |
| <a href="#">R1-1711540</a> | Early termination benefits of CRC distribution                        | Nokia, Alcatel-Lucent<br>Shanghai Bell | Keeth Jayasinghe | <a href="#">64118</a> |
| <a href="#">R1-1711541</a> | Performance evaluation of polar code constructions                    | Nokia, Alcatel-Lucent<br>Shanghai Bell | Keeth Jayasinghe | <a href="#">64118</a> |
| <a href="#">R1-1711542</a> | Sequence design for Polar codes                                       | Nokia, Alcatel-Lucent<br>Shanghai Bell | Keeth Jayasinghe | <a href="#">64118</a> |
| <a href="#">R1-1711543</a> | Rate matching for Polar codes                                         | Nokia, Alcatel-Lucent<br>Shanghai Bell | Keeth Jayasinghe | <a href="#">64118</a> |
| <a href="#">R1-1711544</a> | Implicit timing indication for PBCH                                   | Nokia, Alcatel-Lucent<br>Shanghai Bell | Keeth Jayasinghe | <a href="#">64118</a> |
| <a href="#">R1-1711545</a> | Summary of [89-24] Email discussion LDPC code base graph #1 for NR    | Nokia, Alcatel-Lucent<br>Shanghai Bell | Keeth Jayasinghe | <a href="#">64118</a> |
| <a href="#">R1-1711546</a> | Summary of [89-25] Email discussion on LDPC code base graph #2 for NR | Nokia, Alcatel-Lucent<br>Shanghai Bell | Keeth Jayasinghe | <a href="#">64118</a> |
| <a href="#">R1-1711547</a> | Discussion on PRACH designs for short sequence                        | Sequans<br>Communications              | GUANG LIU        | <a href="#">64119</a> |
| <a href="#">R1-1711548</a> | Resource allocation for PUCCH to support URLLC                        | Sequans<br>Communications              | GUANG LIU        | <a href="#">64119</a> |
| <a href="#">R1-1711549</a> | Considerations on Satellite channel model                             | THALES                                 | Thibault Deleu   | <a href="#">64070</a> |
| <a href="#">R1-1711550</a> | NTN Bentpipe payload architecture and characteristics                 | THALES                                 | Thibault Deleu   | <a href="#">64070</a> |
| <a href="#">R1-1711551</a> | Considerations on multiplexing with different transmission durations  | KDDI Corporation                       | Takeo Ohseki     | <a href="#">58533</a> |
| <a href="#">R1-1711552</a> | Management of URLLC DL control channel efficiency and reliability     | Qualcomm<br>Incorporated               | Peter Gaal       | <a href="#">57198</a> |
| <a href="#">R1-1711553</a> | The necessity of reliable SR design for GF/GB UL URLLC transmission   | Qualcomm<br>Incorporated               | Peter Gaal       | <a href="#">57198</a> |
| <a href="#">R1-1711554</a> | URLLC DL pre-emption and UL suspension indication channel design      | Qualcomm<br>Incorporated               | Peter Gaal       | <a href="#">57198</a> |
| <a href="#">R1-1711555</a> | UL URLLC Capacity Based on URLLC and eMBB dynamic multiplexing        | Qualcomm<br>Incorporated               | Peter Gaal       | <a href="#">57198</a> |
| <a href="#">R1-1711556</a> | Ultra reliable HARQ design with async CSI feedback                    | Qualcomm<br>Incorporated               | Peter Gaal       | <a href="#">57198</a> |
| <a href="#">R1-1711557</a> | Performance of polar code for very small block length                 | Qualcomm<br>Incorporated               | Peter Gaal       | <a href="#">57198</a> |
| <a href="#">R1-1711558</a> | Multiplexing of different types of RS for uplink                      | Ericsson                               | Stephen Grant    | <a href="#">65572</a> |
| R1-1711559                 | Uplink operation for LTE+NR Dual Connectivity                         | VODAFONE Group<br>Plc                  | Razieh Razavi    | <a href="#">63862</a> |
| <a href="#">R1-1711560</a> | Discussion on wireless time synchronization for URLLC                 | SIA                                    | Chunhe Song      | <a href="#">72342</a> |

|                            |                                                                                                  |                                        |                 |                       |
|----------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------|-----------------|-----------------------|
| <a href="#">R1-1711561</a> | On Hybrid TDD and Measurements for Cross-link Interference Mitigation                            | Ericsson                               | Sorour Falahati | <a href="#">58325</a> |
| <a href="#">R1-1711562</a> | On Hybrid TDD and Signaling for Cross-link Interference Mitigation                               | Ericsson                               | Sorour Falahati | <a href="#">58325</a> |
| <a href="#">R1-1711563</a> | On Dynamic TDD Scenarios                                                                         | Ericsson                               | Sorour Falahati | <a href="#">58325</a> |
| <a href="#">R1-1711564</a> | On Duplexing in Paired Spectrum                                                                  | Ericsson                               | Sorour Falahati | <a href="#">58325</a> |
| <a href="#">R1-1711565</a> | On bandwidth parties                                                                             | Ericsson AB                            | Erik Dahlman    | <a href="#">23366</a> |
| <a href="#">R1-1711566</a> | On semi-persistent CSI reporting on PUSCH                                                        | Ericsson                               | Sebastian Faxér | <a href="#">63374</a> |
| <a href="#">R1-1711567</a> | Summary of e-mail discussion on DCI content                                                      | Ericsson LM                            | Stefan Parkvall | <a href="#">28759</a> |
| <a href="#">R1-1711568</a> | Considerations on HAPS channel model                                                             | CNES, Thales                           | Thibault Deleu  | <a href="#">64070</a> |
| <a href="#">R1-1711569</a> | PRACH Design                                                                                     | TCL Communication Ltd.                 | Umer Salim      | <a href="#">70602</a> |
| <a href="#">R1-1711570</a> | UE_ID Insertion for Early Block Discrimination on DCI Blind Detection                            | Coherent Logix                         | Kevin Shelby    | <a href="#">67999</a> |
| <a href="#">R1-1711571</a> | Scrambling Sequence Design for Early Block Discrimination on DCI Blind Detection                 | Coherent Logix                         | Kevin Shelby    | <a href="#">67999</a> |
| R1-1711572                 | Scrambling Sequence Design for Multi-Mode Block Discrimination on DCI Blind Detection            | Coherent Logix                         | Kevin Shelby    | <a href="#">67999</a> |
| <a href="#">R1-1711573</a> | Early Block Discrimination on DCI Blind Detection                                                | Coherent Logix                         | Kevin Shelby    | <a href="#">67999</a> |
| <a href="#">R1-1711574</a> | Discussion on bandwidth part configuration                                                       | LG Electronics Inc.                    | Yunjung Yi      | <a href="#">56790</a> |
| <a href="#">R1-1711575</a> | Discussion on Polar codes for PBCH                                                               | CATT                                   | Patrick Merias  | <a href="#">52292</a> |
| <a href="#">R1-1711576</a> | L3 Mobility based on CSI-RS based measurements                                                   | CATT                                   | Patrick Merias  | <a href="#">52292</a> |
| <a href="#">R1-1711577</a> | On UL coverage extension of TDD @3.5GHz                                                          | ORANGE                                 | Patrick Merias  | <a href="#">52292</a> |
| <a href="#">R1-1711578</a> | Circulant permutation matrix design for LDPC codes base graph #2                                 | LG Electronics                         | Patrick Merias  | <a href="#">52292</a> |
| <a href="#">R1-1711579</a> | Calibration results for Phase 1 and Phase 2 NR MIMO system level calibration                     | vivo                                   | Patrick Merias  | <a href="#">52292</a> |
| <a href="#">R1-1711580</a> | SS burst set composition                                                                         | Samsung                                | Patrick Merias  | <a href="#">52292</a> |
| <a href="#">R1-1711581</a> | Measurement based on CSI-RS for L3 mobility                                                      | Samsung                                | Patrick Merias  | <a href="#">52292</a> |
| <a href="#">R1-1711582</a> | Analysis of the benefits of PC bits for Polar code                                               | Huawei, HiSilicon                      | Patrick Merias  | <a href="#">52292</a> |
| <a href="#">R1-1711583</a> | DMRS Structure for PDCCCH                                                                        | Samsung                                | Patrick Merias  | <a href="#">52292</a> |
| <a href="#">R1-1711584</a> | On UL coverage extension of TDD @3.5GHz                                                          | ORANGE                                 | Patrick Merias  | <a href="#">52292</a> |
| <a href="#">R1-1711585</a> | Partial pre-emption based multiplexing data with different transmission durations in DL          | Samsung                                | Patrick Merias  | <a href="#">52292</a> |
| <a href="#">R1-1711586</a> | Selected highlights from RAN#76 of relevance to RAN1                                             | RAN1 Chair                             | Patrick Merias  | <a href="#">52292</a> |
| <a href="#">R1-1711587</a> | Shift coefficients design for base graph 1                                                       | ZTE                                    | Patrick Merias  | <a href="#">52292</a> |
| <a href="#">R1-1711588</a> | Shift coefficients design for base graph 2                                                       | ZTE                                    | Patrick Merias  | <a href="#">52292</a> |
| <a href="#">R1-1711589</a> | Timing indication based on SS block                                                              | Samsung                                | Patrick Merias  | <a href="#">52292</a> |
| <a href="#">R1-1711590</a> | Feedback transmission of type II codebook                                                        | Nokia, Alcatel-Lucent<br>Shanghai Bell | Patrick Merias  | <a href="#">52292</a> |
| <a href="#">R1-1711591</a> | Link level performance evaluation for mobility scenario                                          | Samsung                                | Patrick Merias  | <a href="#">52292</a> |
| <a href="#">R1-1711592</a> | Composite beam transmission for SS blocks                                                        | Samsung                                | Patrick Merias  | <a href="#">52292</a> |
| <a href="#">R1-1711593</a> | System level evaluation on effect of penetration loss in sub-6GHz and above-6GHz frequency bands | Samsung                                | Patrick Merias  | <a href="#">52292</a> |
| <a href="#">R1-1711594</a> | Analysis on random cluster effect in map-based hybrid channel model                              | Samsung                                | Patrick Merias  | <a href="#">52292</a> |
| <a href="#">R1-1711595</a> | Impact of channel estimation error on the performance of high spectral efficiency MIMO schemes   | Samsung                                | Patrick Merias  | <a href="#">52292</a> |
| <a href="#">R1-1711596</a> | Indication of Preempted Resources for TB-based re-transmission                                   | Samsung                                | Patrick Merias  | <a href="#">52292</a> |
| <a href="#">R1-1711597</a> | Remaining Issues on RB Grid                                                                      | Samsung                                | Patrick Merias  | <a href="#">52292</a> |
| <a href="#">R1-1711598</a> | On numerology for NR RACH                                                                        | Samsung                                | Patrick Merias  | <a href="#">52292</a> |
| <a href="#">R1-1711599</a> | Remaining issues on PT-RS density in CP-OFDM                                                     | Samsung                                | Patrick Merias  | <a href="#">52292</a> |

|                            |                                                                                   |                                        |                |                       |
|----------------------------|-----------------------------------------------------------------------------------|----------------------------------------|----------------|-----------------------|
| <a href="#">R1-1711600</a> | PRACH preamble sequences and formats for capacity enhancement and beam management | Huawei, HiSilicon                      | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711601</a> | Draft Agenda of RAN1#AH_NR2 meeting                                               | RAN1 Chair                             | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711602</a> | Common and Beam Specific Power Control Parameters                                 | InterDigital, Inc.                     | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711603</a> | Short PUCCH for small UCI payloads                                                | CATT                                   | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711604</a> | Beam management for PDCCH                                                         | Samsung                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711605</a> | PBCH channel coding                                                               | Qualcomm Incorporated                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711606</a> | Codeword mapping and interleaving                                                 | ZTE                                    | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711607</a> | On CSI framework details                                                          | ZTE                                    | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711608</a> | On reciprocity based CSI acquisition                                              | ZTE                                    | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711609</a> | Further discussion on CSI acquisition for reciprocity-based operation             | Ericsson                               | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711610</a> | UL MIMO for codebook based transmission                                           | Ericsson                               | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711611</a> | Time Index Signaling for SS Blocks                                                | Intel Corporation                      | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711612</a> | SS Block Composition                                                              | Intel Corporation                      | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711613</a> | On time and frequency tracking of the channel                                     | Ericsson                               | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711614</a> | Dynamic resource allocation for Integrated Access and Backhaul                    | Samsung                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711615</a> | Deployment scenarios for Integrated Access and Backhaul                           | Samsung                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711616</a> | Evaluation assumptions for Integrated Access and Backhaul                         | Samsung                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711617</a> | RACH power control and power ramping procedure                                    | CATT                                   | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711618</a> | NR RACH Preamble Format for capacity enhancement,                                 | CATT                                   | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711619</a> | Discussion on msg.3 tx timing determination                                       | Samsung                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711620</a> | Discussion on RACH design                                                         | Samsung                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711621</a> | Assisted information for Msg.3 tx beam determination                              | Samsung                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711622</a> | Discussion on NR-PBCH design and SS block composition                             | NTT DOCOMO, INC.                       | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711623</a> | Correction on the formula of AnnexA                                               | ZTE, Ericsson                          | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711624</a> | Correction on Procedure A of spatially-consistency UT mobility modeling           | ZTE, Ericsson                          | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711625</a> | PRACH Msg1 retransmission                                                         | MediaTek Inc.                          | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711626</a> | RRM for wider bandwidth operations                                                | Samsung                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711627</a> | LDPC shift coefficients design for BG1                                            | Samsung                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711628</a> | LDPC shift coefficients design for BG2                                            | Samsung                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711629</a> | Performance evaluation of LDPC shift coefficients design for BG1                  | Samsung                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711630</a> | Performance evaluation of LDPC shift coefficients design for BG2                  | Samsung                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711631</a> | On Details of the PT-RS Design for DFT-s-OFDM                                     | Nokia, Alcatel-Lucent<br>Shanghai Bell | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711632</a> | Channel and interference measurement for CSI acquisition                          | Huawei, HiSilicon                      | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711633</a> | PDCCH structure                                                                   | Qualcomm Incorporated                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711634</a> | RS for DL control channel                                                         | Qualcomm Incorporated                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711635</a> | Summary of Open Issues on Layer Mapping                                           | Samsung                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711636</a> | General views on DL beam management                                               | Huawei, HiSilicon                      | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711637</a> | Discussion on NTN Deployment Scenarios                                            | Samsung                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711638</a> | Discussion on transition between NR network coordination schemes                  | Samsung                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711639</a> | Performance comparison of interleaver designs                                     | Qualcomm                               | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711640</a> | Interleaver design for Polar codes                                                | Qualcomm Incorporated                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711641</a> | Repetition scheme of polar codes                                                  | LG Electronics                         | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711642</a> | NR topics requiring coordination between RAN1 and RAN2                            | RAN2 Chair                             | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711643</a> | Views on SRS designs                                                              | Mitsubishi Electric                    | Patrick Merias | <a href="#">52292</a> |

|                            |                                                                  |                                                                                                                  |                |                       |
|----------------------------|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------|-----------------------|
| <a href="#">R1-1711644</a> | Study of Split-CRC Polar Code Construction for Early Termination | Tsotun Algorithm                                                                                                 | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711645</a> | SS burst set composition consideration                           | Qualcomm Incorporated                                                                                            | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711646</a> | Timing indication based on SS block consideration                | Qualcomm Incorporated                                                                                            | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711647</a> | Time Index Signaling for SS Blocks                               | Intel Corporation                                                                                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711648</a> | SS Block Composition                                             | Intel Corporation                                                                                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711649</a> | Discussion on 1-symbol NR-PUCCH for UCI of up to 2 bits          | Panasonic Corporation                                                                                            | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711650</a> | NR-PBCH content                                                  | Nokia, Alcatel-Lucent<br>Shanghai Bell                                                                           | Patrick Merias | <a href="#">52292</a> |
| R1-1711651                 | Discussion on CSI-RS design                                      | Qualcomm Incorporated                                                                                            | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711652</a> | Summary of the 2nd NOMA Workshop                                 | ZTE                                                                                                              | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711653</a> | Considerations of NR-LTE coexistence in uplink                   | ZTE                                                                                                              | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711654</a> | WF on NR-SS sequence design                                      | NTT DOCOMO,<br>ZTE, InterDigital                                                                                 | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711655</a> | Discussion on short-PUCCH more than 2-bit                        | vivo                                                                                                             | Patrick Merias | <a href="#">52292</a> |
| R1-1711656                 | WF on PRACH formats for long sequence length (L = 839)           | ZTE                                                                                                              | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711657</a> | [DRAFT] Response LS on Support for fake gNB detection mechanisms | Nokia                                                                                                            | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711658</a> | Considerations on SS block compositions                          | Sony                                                                                                             | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711659</a> | Discussion on SS block time index indication                     | Sony                                                                                                             | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711660</a> | WF on CSI-RS                                                     | Samsung, Ericsson,<br>NTT DOCOMO,<br>CATT                                                                        | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711661</a> | Summary of views on NR CSI-RS                                    | Huawei, HiSilicon                                                                                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711662</a> | WF on CW to layer mapping                                        | Huawei, HiSilicon,<br>ZTE, Xinwei, China<br>Unicom, ETRI,<br>Softbank, DOCOMO,<br>LGE, Deutsche<br>Telekom, CATR | Patrick Merias | <a href="#">52292</a> |
| R1-1711663                 | On UL PT-RS design                                               | LG Electronics                                                                                                   | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711664</a> | WF on number of MCS and CQI configuration                        | Intel, Samsung                                                                                                   | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711665</a> | WF on MIMO layer to CW correspondence                            | Intel, AT&T                                                                                                      | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711666</a> | WF on SS block and DM-RS collision handling                      | Intel                                                                                                            | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711667</a> | WF on multiple PDSCH approach of supporting NC-JT                | Intel                                                                                                            | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711668</a> | WF on SRS sequence for NR                                        | Intel, Samsung,<br>Qualcomm                                                                                      | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711669</a> | LDPC design for eMBB data                                        | CATT                                                                                                             | Patrick Merias | <a href="#">52292</a> |
| R1-1711670                 | Summary of remaining items on beam management                    | Qualcomm                                                                                                         | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711671</a> | Performance impact of inactive antenna ports                     | Ericsson                                                                                                         | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711672</a> | Summary of QCL                                                   | Nokia, Alcatel-Lucent<br>Shanghai Bell                                                                           | Patrick Merias | <a href="#">52292</a> |
| R1-1711673                 | WF on QCL                                                        | Nokia, Alcatel-Lucent<br>Shanghai Bell                                                                           | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711674</a> | Summary of Issues and WFs on Codebook based transmission for UL  | Intel                                                                                                            | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711675</a> | WF on UE self-interference                                       | Vivo, OPPO,<br>Coolpad, China<br>Telecom, Xiaomi,<br>Huawei, HiSilicon,<br>China Unicom                          | Patrick Merias | <a href="#">52292</a> |
| R1-1711676                 | WF on Transmission Scheme of Broadcast PDSCH                     | Qualcomm                                                                                                         | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711677</a> | Summary of the E-mail Discussion [89-21]: On Long PUCCH for NR   | Ericsson                                                                                                         | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711678</a> | Way forward on the mapping of SS blocks                          | Nokia                                                                                                            | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711679</a> | Impact of Puncturing on Bit-channel Capacities                   | Ericsson                                                                                                         | Patrick Merias | <a href="#">52292</a> |
| R1-1711680                 | WF on LTE-NR Coexistence with UL sharing                         | Huawei, HiSilicon                                                                                                | Patrick Merias | <a href="#">52292</a> |

|                            |                                                                            |                                                                                                                    |                |                       |
|----------------------------|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------|-----------------------|
| <a href="#">R1-1711681</a> | WF on the structure of a data channel including DMRS                       | Panasonic, OPPO, NTT DOCOMO                                                                                        | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711682</a> | WF on UE to UE measurement as an enabler for CLI mitigation schemes        | ZTE                                                                                                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711683</a> | [DRAFT LS] on NR Beam Management                                           | Qualcomm                                                                                                           | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711684</a> | [DRAFT] LS on Beam Aspects of NR RACH                                      | Huawei                                                                                                             | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711685</a> | [DRAFT] LS on HARQ operation                                               | Nokia                                                                                                              | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711686</a> | LS on NR UL SPS / UL transmission without UL grant                         | RAN1, NTT DOCOMO                                                                                                   | Patrick Merias | <a href="#">52292</a> |
| R1-1711687                 | [DRAFT LS] to RAN2 on PDCCH monitoring and DRX                             | CATT                                                                                                               | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711688</a> | Way Forward on PTRS                                                        | Intel                                                                                                              | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711689</a> | Outputs of offline discussion on RBG size/number determination             | OPPO                                                                                                               | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711690</a> | WF on the number of CBGs                                                   | OPPO                                                                                                               | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711691</a> | Analysis of SSS Proposals                                                  | Intel Corporation                                                                                                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711692</a> | WF on final PCM selection                                                  | Nokia, Alcatel-Lucent Shanghai Bell                                                                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711693</a> | Base Graph 1 lifting and evaluations                                       | Intel Corporation                                                                                                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711694</a> | Base Graph 2 lifting and evaluations                                       | Intel Corporation                                                                                                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711695</a> | WF on cross-link interference aware UPLC                                   | Huawei                                                                                                             | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711696</a> | On NR LDPC design and performance                                          | MediaTek Inc.                                                                                                      | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711697</a> | WF on rate-matching for Polar codes                                        | Qualcomm                                                                                                           | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711698</a> | WF on interleaver design                                                   | Qualcomm                                                                                                           | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711699</a> | WF on SRS design in NR                                                     | LG Electronics                                                                                                     | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711700</a> | WF on CLI measurement                                                      | MediaTek Inc.                                                                                                      | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711701</a> | Considerations of NR-LTE coexistence in uplink                             | ZTE                                                                                                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711702</a> | Rate matching for Polar code                                               | Huawei, HiSilicon                                                                                                  | Patrick Merias | <a href="#">52292</a> |
| R1-1711703                 | Support of implicit soft combining for PBCH by Polar code construction     | Huawei, HiSilicon                                                                                                  | Patrick Merias | <a href="#">52292</a> |
| R1-1711704                 | Benefits of implicit soft combining for PBCH by Polar code construction    | Huawei, HiSilicon                                                                                                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711705</a> | WF on handling of single UL transmission                                   | NTT DOCOMO                                                                                                         | Patrick Merias | <a href="#">52292</a> |
| R1-1711706                 | On Hybrid TDD and Signaling for Cross-link Interference Mitigation         | Ericsson                                                                                                           | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711707</a> | WF on inter-TRP signaling for UE-to-UE cross-link interference measurement | LG Electronics                                                                                                     | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711708</a> | WF on REG bundle size in a CORESET with interleaving                       | LG Electronics, ETRI, NTT DOCOMO, Ericsson, InterDigital                                                           | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711709</a> | WF on NR-LTE coexistence in overlapping spectrum                           | AT&T, Deutsche Telekom, Vodafone, Intel, Ericsson, Samsung, Orange, China Unicom, Huawei, HiSilicon, China Telecom | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711710</a> | WF on NR-LTE coexistence                                                   | AT&T, Nokia, Ericsson, Vodafone                                                                                    | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711711</a> | LDPC design for eMBB data                                                  | CATT                                                                                                               | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711712</a> | WF on group-based beam reporting                                           | ZTE, ASTRI, Nokia, ASB, NTT DOCOMO, Intel, Qualcomm, Samsung, AT&T                                                 | Patrick Merias | <a href="#">52292</a> |
| R1-1711713                 | WF on beam indication                                                      | ZTE                                                                                                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711714</a> | WF on DMRS multiplexing in time domain                                     | ZTE, Xinwei, ASTRI, Spreadtrum                                                                                     | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711715</a> | WF on channel reciprocity based CSI                                        | ZTE, Nokia, ASB, LG Electronics, ASTRI, Ericsson, NTT DOCOMO                                                       | Patrick Merias | <a href="#">52292</a> |

|                            |                                                           |                                                                                                                                                                                                                   |                |                       |
|----------------------------|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------|
| <a href="#">R1-1711716</a> | WF on partial channel reciprocity based CSI               | ZTE, CMCC, China Telecom, China Unicom, ASTRI                                                                                                                                                                     | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711717</a> | WF on using SS block for beam recovery                    | ZTE, Ericsson, NTT DOCOMO, MediaTek, Spreadtrum, vivo, OPPO, Qualcomm, Xinwei, LG Electronics, AT&T, Lenovo, CMCC, China Unicom, China Telecom, ASTRI, Samsung, Nokia, ASB, III, MTI, Sharp, National Instruments | Patrick Merias | <a href="#">52292</a> |
| R1-1711718                 | WF on DL beam indication with beam correspondence         | ZTE                                                                                                                                                                                                               | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711719</a> | WF on CSI in PUCCH                                        | ZTE, NTT DOCOMO                                                                                                                                                                                                   | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711720</a> | WF on Type II CSI                                         | ZTE, MediaTek                                                                                                                                                                                                     | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711721</a> | WF on power control                                       | ZTE, NTT DOCOMO                                                                                                                                                                                                   | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711722</a> | WF on DMRS multiplexing with data                         | ZTE, Qualcomm, KT Corp., NTT DOCOMO                                                                                                                                                                               | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711723</a> | WF on CSI-RS CDM pattern                                  | ZTE                                                                                                                                                                                                               | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711724</a> | Summary of power control                                  | ZTE                                                                                                                                                                                                               | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711725</a> | Summary of channel reciprocity based CSI                  | ZTE                                                                                                                                                                                                               | Patrick Merias | <a href="#">52292</a> |
| R1-1711726                 | WF on DMRS port multiplexing in frequency domain          | MediaTek Inc.                                                                                                                                                                                                     | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711727</a> | LDPC design for base graph 1                              | Huawei, HiSilicon                                                                                                                                                                                                 | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711728</a> | WF on CRC Attachment for CBGs                             | Ericsson                                                                                                                                                                                                          | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711729</a> | WF on Circular buffer of Polar Code                       | Ericsson, Qualcomm, MediaTek, LGE                                                                                                                                                                                 | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711730</a> | WF on the Number of Assistant Bits for Polar Construction | Ericsson, NTT DOCOMO, Qualcomm, Intel, Tsosun Algorithm, Samsung, LG, Fujitsu                                                                                                                                     | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711731</a> | WF on LDPC Code Usage Scenarios                           | MediaTek, Qualcomm, InterDigital, ZTE                                                                                                                                                                             | Patrick Merias | <a href="#">52292</a> |
| R1-1711732                 | void                                                      | ETSI                                                                                                                                                                                                              | Patrick Merias | <a href="#">52292</a> |
| R1-1711733                 | void                                                      | ETSI                                                                                                                                                                                                              | Patrick Merias | <a href="#">52292</a> |
| R1-1711734                 | void                                                      | ETSI                                                                                                                                                                                                              | Patrick Merias | <a href="#">52292</a> |
| R1-1711735                 | void                                                      | ETSI                                                                                                                                                                                                              | Patrick Merias | <a href="#">52292</a> |
| R1-1711736                 | void                                                      | ETSI                                                                                                                                                                                                              | Patrick Merias | <a href="#">52292</a> |
| R1-1711737                 | void                                                      | ETSI                                                                                                                                                                                                              | Patrick Merias | <a href="#">52292</a> |
| R1-1711738                 | void                                                      | ETSI                                                                                                                                                                                                              | Patrick Merias | <a href="#">52292</a> |
| R1-1711739                 | void                                                      | ETSI                                                                                                                                                                                                              | Patrick Merias | <a href="#">52292</a> |
| R1-1711740                 | void                                                      | ETSI                                                                                                                                                                                                              | Patrick Merias | <a href="#">52292</a> |
| R1-1711741                 | void                                                      | ETSI                                                                                                                                                                                                              | Patrick Merias | <a href="#">52292</a> |
| R1-1711742                 | void                                                      | ETSI                                                                                                                                                                                                              | Patrick Merias | <a href="#">52292</a> |
| R1-1711743                 | void                                                      | ETSI                                                                                                                                                                                                              | Patrick Merias | <a href="#">52292</a> |
| R1-1711744                 | void                                                      | ETSI                                                                                                                                                                                                              | Patrick Merias | <a href="#">52292</a> |
| R1-1711745                 | void                                                      | ETSI                                                                                                                                                                                                              | Patrick Merias | <a href="#">52292</a> |
| R1-1711746                 | WF on time resource indication                            | OPPO                                                                                                                                                                                                              | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711747</a> | Shift coefficients design for base graph 1                | ZTE                                                                                                                                                                                                               | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711748</a> | Shift coefficients design for base graph 2                | ZTE                                                                                                                                                                                                               | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711749</a> | Segmentation of Polar codes                               | ZTE                                                                                                                                                                                                               | Patrick Merias | <a href="#">52292</a> |

|                            |                                                                         |                                                                                                                                                                                                               |                |                       |
|----------------------------|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------|
| <a href="#">R1-1711750</a> | WF on UL non-codebook based transmission                                | Huawei, HiSilicon, DOCOMO, Sharp, LGE, Ericsson, China Telecom, Deutsche Telekom, Xinwei, Vodafone, CeWIT, China Unicom, Tejas Networks, CATR, IITH, IITM, Panasonic, ZTE, InterDigital, AT&T, SoftBank, KDDI | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711751</a> | On Bit Mapping Design for Polar Codes                                   | Ericsson                                                                                                                                                                                                      | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711752</a> | Polar Code Performance in Fading Channel                                | Ericsson                                                                                                                                                                                                      | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711753</a> | WF on UL resource allocation for PUSCH with DT-s-OFDM waveform in NR    | NEC, NTT DOCOMO, Panasonic, OPPO, Ericsson, Nokia, ASB                                                                                                                                                        | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711754</a> | WF on NR PDCCH blind decodes                                            | vivo, Samsung                                                                                                                                                                                                 | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711755</a> | Open issues on SRS design                                               | Sony                                                                                                                                                                                                          | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711756</a> | WF on Polar rate-matching selection                                     | MediaTek Inc.                                                                                                                                                                                                 | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711757</a> | Optimization and comparison of Polar code rate-matching design          | MediaTek Inc.                                                                                                                                                                                                 | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711758</a> | Correction on the formula of AnnexA                                     | ZTE, Ericsson                                                                                                                                                                                                 | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711759</a> | Summary of offline discussion on CSI-RS                                 | Samsung                                                                                                                                                                                                       | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711760</a> | Correction on Procedure A of spatially-consistency UT mobility modeling | ZTE, Ericsson                                                                                                                                                                                                 | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711761</a> | WF on measurement based on SS block                                     | NTT DOCOMO, Ericsson, Huawei, HiSilicon, AT&T                                                                                                                                                                 | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711762</a> | WF on measurement based on CSI-RS                                       | NTT DOCOMO, Ericsson, AT&T                                                                                                                                                                                    | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711763</a> | WF on radio link monitoring                                             | NTT DOCOMO, Ericsson, AT&T                                                                                                                                                                                    | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711764</a> | WF on Polar codes construction                                          | NTT DOCOMO, Ericsson, Qualcomm, Intel, Tsosun Algorithm, CATT, AT&T                                                                                                                                           | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711765</a> | Summary of views on TRS                                                 | MediaTek Inc.                                                                                                                                                                                                 | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711766</a> | WF on TRS                                                               | MediaTek, Huawei, HiSilicon, Ericsson, Qualcomm                                                                                                                                                               | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711767</a> | WF on SRS sequence generation for partial overlapping                   | LG Electronics, Intel Corporation, ZTE                                                                                                                                                                        | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711768</a> | On bandwidth parts and 'RF' requirements                                | Ericsson                                                                                                                                                                                                      | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711769</a> | WF on CSI feedback for NCJT                                             | LG Electronics, Ericsson, Intel                                                                                                                                                                               | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711770</a> | WF on DL DMRS for broadcast/multicast PDSCH                             | LG Electronics, Qualcomm                                                                                                                                                                                      | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711771</a> | WF on signaling DMRS configuration                                      | LG Electronics, ZTE                                                                                                                                                                                           | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711772</a> | WF on processing time requirements                                      | Qualcomm                                                                                                                                                                                                      | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711773</a> | WF on PT-RS collision avoidance                                         | LG Electronics, Huawei, CATT, ZTE                                                                                                                                                                             | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711774</a> | Circulant permutation matrix design for LDPC codes                      | LG Electronics                                                                                                                                                                                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711775</a> | Circulant permutation matrix design for LDPC codes base graph #2        | LG Electronics                                                                                                                                                                                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711776</a> | WF on PUCCH resource allocation                                         | LG Electronics                                                                                                                                                                                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711777</a> | WF on CW to layer mapping scheme for data channels                      | Qualcomm, ATT, Ericsson, Samsung, Nokia, ASB, CATT, Interdigital, Intel, Sharp, Verizon, BT, CHTTL, Panasonic, NEC, KDDI                                                                                      | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711778</a> | Remaining issues on NR DM-RS                                            | Qualcomm                                                                                                                                                                                                      | Patrick Merias | <a href="#">52292</a> |

|                            |                                                            |                                                                                                                                                                                                                                         |                |                       |
|----------------------------|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------|
| <a href="#">R1-1711779</a> | [DRAFT] LS on subcarrier alignment and channel raster      | AT&T, Sprint, T-Mobile USA, Huawei, HiSilicon, Samsung, Deutsche Telekom, Ericsson, Intel, China Telecom                                                                                                                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711780</a> | Summary on DL PRB bundling                                 | Xinwei                                                                                                                                                                                                                                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711781</a> | WF on performance comparison of sequences for Polar code   | Huawei, HiSilicon                                                                                                                                                                                                                       | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711782</a> | WF on UL transmission without grant                        | NEC                                                                                                                                                                                                                                     | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711783</a> | WF on UL DMRS pattern for DFT-S-OFDM                       | LG Electronics, ZTE, Ericsson, NEC, NTT DOCOMO                                                                                                                                                                                          | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711784</a> | WF on DMRS design                                          | MediaTek, Huawei, HiSilicon, China Telecom, ZTE, ASUSTek, CeWIT, Spreadtrum, Tejas Networks, CATR, Deutsche Telekom, IITH, Xinwei, MTI, CHTTL, China Unicom, IITM, ITRI                                                                 | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711785</a> | WF on periodic CSI reporting on short PUCCH                | Ericsson, Samsung, Huawei, HiSilicon, CATT                                                                                                                                                                                              | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711786</a> | WF on unifying wideband and partial band definitions       | Ericsson, LGE, Samsung                                                                                                                                                                                                                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711787</a> | WF on CSI-RS                                               | Samsung, Ericsson, NTT DOCOMO, CATT, LGE                                                                                                                                                                                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711788</a> | Way forward on further details of bandwidth part operation | Intel, AT&T, Huawei, HiSilicon                                                                                                                                                                                                          | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711789</a> | Way forward on PRB indexing                                | Intel, Sharp, ETRI                                                                                                                                                                                                                      | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711790</a> | On NR LDPC design and performance                          | MediaTek Inc.                                                                                                                                                                                                                           | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711791</a> | WF on Antenna Switching for SRS Transmission               | Huawei, HiSilicon, Softbank, CMCC, Deutsche Telekom, CATR, Tejas Networks, OPPO, Qualcomm, CeWIT, Sony, ZTE, Xinwei, IITM, China Unicom, IITH, Ericsson, InterDigital, China Telecom, MediaTek                                          | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711792</a> | WF on codebook based UL transmission                       | MediaTek, Nokia, Alcatel-Lucent Shanghai Bell                                                                                                                                                                                           | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711793</a> | WF on codeword mapping                                     | MediaTek Inc.                                                                                                                                                                                                                           | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711794</a> | WF on polar code sequence                                  | Samsung                                                                                                                                                                                                                                 | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711795</a> | On bandwidth parts and 'RF' requirements                   | Ericsson                                                                                                                                                                                                                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711796</a> | 1-symbol short PUCCH with 1 or 2 bits UCI                  | Qualcomm                                                                                                                                                                                                                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711797</a> | WF on DMRS sequence                                        | Samsung, Ericsson, Qualcomm Incorporated, CATT, Nokia, Alcatel-Lucent Shanghai Bell, Intel, AT&T, NTT DOCOMO, INC., LG Electronics, KT Corp., MediaTek Inc., Mitsubishi Electric Co., Spreadtrum, Fujitsu, Xinwei, KDDI, Panasonic, ITL | Patrick Merias | <a href="#">52292</a> |

|                            |                                                                         |                                                                                           |                |                       |
|----------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------|-----------------------|
| <a href="#">R1-1711798</a> | Summary of CSI Acquisition Details                                      | NTT DOCOMO                                                                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711799</a> | WF on random access association configuration                           | ZTE                                                                                       | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711800</a> | WF on SS block repetition                                               | ZTE, Sierra Wireless                                                                      | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711801</a> | WF on power offset of NR-PBCH DMRS and NR-SSS                           | MediaTek, Huawei, HiSilicon, NTT DOCOMO                                                   | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711802</a> | WF on further details for bandwidth part                                | MediaTek, Huawei, HiSilicon                                                               | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711803</a> | WF on configuration of CSI-RS for CSI acquisition                       | LG Electronics, Samsung                                                                   | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711804</a> | WF on CDM-8 in CSI-RS for CSI acquisition                               | LG Electronics, Samsung, CATT, NTT DOCOMO                                                 | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711805</a> | WF on Single DCI based NCJT                                             | LG Electronics, Intel Corporation, ZTE                                                    | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711806</a> | WF on radio link monitoring in NR                                       | Huawei, HiSilicon, Qualcomm, ATT                                                          | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711807</a> | Summary of views on multi-TRP & multi-panel transmission                | CATT                                                                                      | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711808</a> | WF on PDSCH rate matching                                               | LG Electronics, Panasonic, NTT DOCOMO, InterDigital, Intel                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711809</a> | WF on slot format indication with group common PDCCH                    | LG Electronics, InterDigital, ...                                                         | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711810</a> | Analysis of SSS Proposals                                               | Intel Corporation                                                                         | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711811</a> | WF on CSI measurement details                                           | NTT DOCOMO, ZTE, Nokia, ASB, NEC                                                          | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711812</a> | WF on configuration of a bandwidth part in wideband bandwidth operation | LG Electronics, MediaTek                                                                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711813</a> | WF on DM-RS                                                             | NTT DOCOMO, Ericsson, Nokia, ASB, ZTE, KT Corp, Sharp, Qualcomm                           | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711814</a> | WF on PT-RS for DFT-S-OFDM                                              | NTT DOCOMO, Ericsson, Nokia, ASB, Panasonic, Spreadtrum, ZTE                              | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711815</a> | WF on PT-RS for CP-OFDM                                                 | NTT DOCOMO, Mitsubishi Electric, Huawei, HiSilicon, Nokia, ASB                            | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711816</a> | WF on front-loaded DMRS design for slot aggregation                     | vivo, Huawei, HiSilicon                                                                   | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711817</a> | WF on LTE-NR DC deployment scenarios to extend NR UL coverage           | Orange, Deutsche Telekom, Ericsson, China Unicom, OPPO, Huawei, China Telecom, Nokia, ZTE | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711818</a> | WF on UL power control                                                  | LG Electronics, Ericsson, InterDigital                                                    | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711819</a> | WF on PHR for different waveforms                                       | LG Electronics, NTT DOCOMO, InterDigital                                                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711820</a> | [DRAFT] LS on support of multi-TRP transmission in NR                   | Intel                                                                                     | Patrick Merias | <a href="#">52292</a> |
| R1-1711821                 | WF on Configuration of UL Transmission without Grant                    | Ericsson                                                                                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711822</a> | Design of combined-and-Nested polar code sequences                      | Samsung                                                                                   | Patrick Merias | <a href="#">52292</a> |

|                            |                                                                  |                                                                                                                                                |                |                       |
|----------------------------|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------|
| <a href="#">R1-1711823</a> | WF on pre-emption indication                                     | Huawei, HiSilicon, MediaTek, Sequans, NTT DOCOMO, Sony, vivo, ZTE, InterDigital, III                                                           | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711824</a> | [DRAFT] LS on non-contiguous CA                                  | AT&T                                                                                                                                           | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711825</a> | LS on non-contiguous CA                                          | RAN1, AT&T                                                                                                                                     | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711826</a> | WF on interleaver design on NR polar codes                       | LG Electronics                                                                                                                                 | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711827</a> | WF on Capacity Enhancement for option 1 of PRACH preamble        | LG Electronics, IITL                                                                                                                           | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711828</a> | WF on RACH power control                                         | LG Electronics, ETRI                                                                                                                           | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711829</a> | Offline discussions on UL data transmission without grant        | NTT DOCOMO                                                                                                                                     | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711830</a> | WF on UE-UE CLI measurement                                      | Huawei, HiSilicon, ZTE, MediaTek, Intel, CMCC                                                                                                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711831</a> | WF on pi/2 BPSK with spectrum shaping                            | IITH, ATT, Qualcomm, Deutsche Telekom, IITM, Reliance Jio, Samsung, Thales, INL, CEWIT, Tejas Networks, DISH, Sony                             | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711832</a> | WF on Pre-DFT Multiplexing of RS and UCI in short duration PUCCH | IITH                                                                                                                                           | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711833</a> | WF on waveform for long duration PUCCH                           | IITH, ATT, Deutsche Telekom, IITM, Reliance Jio, DISH, Thales, CEWIT, Tejas Networks, Sony, INL                                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711834</a> | WF on Long PUCCH Format with 1-2 UCI bits                        | Ericsson, Huawei, HiSilicon, LG, ZTE, MediaTek, Panasonic, WILUS Inc., Intel, Vivo, Cohere Technologies, ETRI, Motorola mobility, Lenovo, CATT | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711835</a> | WF on Frequency Hopping for Long PUCCH                           | Ericsson, MediaTek, Qualcomm, Panasonic, Intel, LG, NTT DOCOMO, Cohere Technologies, WILUS Inc., Huawei, HiSilicon, Samsung                    | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711836</a> | WF on scheduling request for NR                                  | Idaho National Laboratory, KDDI, Lenovo, Motorola Mobility, IITH, CEWIT, IITM, Tejas Networks, Qualcomm                                        | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711837</a> | Open issues on SRS design                                        | Sony                                                                                                                                           | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711838</a> | WF on Beam Reporting                                             | Intel, Huawei, HiSilicon, InterDigital, CATT                                                                                                   | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711839</a> | LS on subcarrier alignment and channel raster                    | RAN1, AT&T                                                                                                                                     | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711840</a> | WF on Frequency Hopping for Multi-slot Long PUCCH                | LG Electronics                                                                                                                                 | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711841</a> | Summary of views on resource for PDSCH and PUSCH rate matching   | LG Electronics                                                                                                                                 | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711842</a> | WF on UE-to-UE crosslink measurement                             | CMCC, Spreadtrum                                                                                                                               | Patrick Merias | <a href="#">52292</a> |

|                            |                                                                               |                                                                                    |                |                       |
|----------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------|-----------------------|
| <a href="#">R1-1711843</a> | Outputs of offline discussion on RBG size/number determination                | OPPO, Nokia, LGE, Samsung, vivo, ZTE, CATR                                         | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711844</a> | WF on the number of CBGs                                                      | OPPO                                                                               | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711845</a> | Summary of AI 5.1.2.1.4 Diversity transmission for UL                         | Mitsubishi Electric                                                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711846</a> | WF on NR CA                                                                   | Huawei, HiSilicon, KT, CATR, MediaTek, Nokia, ASB, Ericsson, Intel                 | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711847</a> | WF on SRS switching                                                           | Huawei, HiSilicon                                                                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711848</a> | WF on handling of single UL transmission                                      | NTT DOCOMO, Apple                                                                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711849</a> | WF on Preamble sequence for capacity enhancement                              | Huawei, HiSilicon                                                                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711850</a> | WF for NR RLM                                                                 | CATT                                                                               | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711851</a> | WF on inter-gNB signaling for cross-link interference management              | LG Electronics                                                                     | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711852</a> | WF on SRS sequence design                                                     | Ericsson, Huawei, HiSilicon, Nokia, ASB, Panasonic, NTT DOCOMO                     | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711853</a> | Activation/deactivation of bandwidth parts                                    | Ericsson                                                                           | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711854</a> | WF on SS Burst set Composition                                                | LG Electronics                                                                     | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711855</a> | Way forward on PRB indexing                                                   | Intel, Sharp, Ericsson, MediaTek, NTT DOCOMO, Panasonic, Nokia, ASB, NEC, KT, ETRI | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711856</a> | WF on processing time requirements                                            | Qualcomm, ZTE, Deutsche Telekom, Vodafone, Panasonic, Ericsson                     | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711857</a> | Summary of views on multi-TRP & multi-panel transmission                      | CATT                                                                               | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711858</a> | WF on beam failure recovery request                                           | LG Electronics, Intel, Huawei, HiSilicon, vivo                                     | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711859</a> | WF on SRS beam sweeping behavior                                              | LG Electronics, Huawei, HiSilicon, Samsung, Ericsson                               | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711860</a> | Evaluation of NR-SS                                                           | Huawei, HiSilicon                                                                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711861</a> | WF on RACH power control mechanism Msg.1 transmission                         | LG Electronics, NTT DOCOMO                                                         | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711862</a> | WF on power sharing mechanism                                                 | NTT DOCOMO, InterDigital                                                           | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711863</a> | WF on NR power control framework                                              | NTT DOCOMO INC., Nokia, Intel, InterDigital                                        | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711864</a> | Measurement window periodicity, duration and offset of CSI-RS for L3 mobility | Qualcomm                                                                           | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711865</a> | Multiple/repeated PRACH preamble transmission with OCC across preambles       | Qualcomm, Interdigital, Samsung, AT&T, Verizon                                     | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711866</a> | WF on RACH configuration in RMSI                                              | Huawei, HiSilicon                                                                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711867</a> | Observations on PBCH Signaling                                                | Qualcomm                                                                           | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711868</a> | WF on DMRS indication                                                         | Samsung                                                                            | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711869</a> | WF on collision avoidance between short PUCCH and SRS                         | Mitsubishi Electric, AT&T, Panasonic, Samsung, Huawei, HiSilicon, ZTE              | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711870</a> | NR PRACH capacity enhancement                                                 | CATT, Huawei, TCL                                                                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711871</a> | WF on radio link monitoring in NR                                             | Huawei, HiSilicon, Qualcomm, ATT, NTT DOCOMO, Intel                                | Patrick Merias | <a href="#">52292</a> |

|                            |                                                                              |                                                                           |                |                       |
|----------------------------|------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------|-----------------------|
| <a href="#">R1-1711872</a> | LS on UE self-interference                                                   | RAN1, vivo                                                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711873</a> | WF on initial bandwidth part                                                 | LG Electronics, Ericsson, MediaTek                                        | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711874</a> | NR UL MIMO Signaling Mechanism                                               | Ericsson, Nokia, Alcatel-Lucent, Shanghai Bell, Qualcomm, CATT, ZTE       | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711875</a> | WF on PRACH Preamble Format for Short sequence with Option 1                 | LG Electronics, NTT DOCOMO                                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711876</a> | WF on multiple Msg1 transmission for contention free case                    | Samsung, Huawei, Hisilicon, MediaTek, ZTE                                 | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711877</a> | [DRAFT] LS on single UL transmission                                         | NTT DOCOMO                                                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711878</a> | LS on single UL transmission                                                 | RAN1, NTT DOCOMO                                                          | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711879</a> | [DRAFT] LS on Beam Aspects of NR RACH                                        | Huawei                                                                    | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711880</a> | LS on Beam Aspects of NR RACH                                                | RAN1, Huawei                                                              | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711881</a> | Summary of Issues and WFs on Codebook based transmission for UL              | Intel                                                                     | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711882</a> | WF on use of SS blocks in beam management                                    | Qualcomm                                                                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711883</a> | WF on CBG retransmission                                                     | Samsung                                                                   | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711884</a> | Summary of issues on UL non-codebook based transmission                      | Nokia, Alcatel-Lucent, Shanghai Bell                                      | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711885</a> | WF on change of SS block frequency position                                  | CMCC                                                                      | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711886</a> | TS38.211 v0.0.2 NR; Physical channels and modulation                         | Ericsson LM                                                               | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711887</a> | WF on 2-symbol NR-PUCCH                                                      | LG Electronics                                                            | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711888</a> | WF on m0 and m1 for NR-SSS                                                   | NTT DOCOMO, ITL, Intel, Samsung, InterDigital, Motorola Mobility, Lenovo  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711889</a> | WF on radio link monitoring in NR                                            | Huawei, HiSilicon, Qualcomm, ATT, NTT DOCOMO, Intel, Vivo, LGE            | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711890</a> | WF on UL frequency selective precoding in UL non-codebook based transmission | Huawei, HiSilicon, LG Electronics                                         | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711891</a> | WF on PT-RS for DFT-S-OFDM                                                   | Samsung, Intel, CATT                                                      | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711892</a> | Reply LS on PBCH content                                                     | RAN2, Huawei                                                              | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711893</a> | Offline discussions summary on CSI framework                                 | AT&T                                                                      | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711894</a> | WF on remaining issues on PTRS for CP-OFDM - Part 1                          | Huawei, HiSilicon, InterDigital, Xinwei, NI, Panasonic                    | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711895</a> | WF on remaining issues on PTRS for CP-OFDM - Part 2                          | Huawei, HiSilicon, InterDigital, Xinwei, Intel, NI, Panasonic, Spreadtrum | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711896</a> | WF on UE assistance information for UL beam mangement                        | MediaTek, Samsung, Intel                                                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711897</a> | Offline discussion summary on beam recovery                                  | MediaTek                                                                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711898</a> | [DRAFT] LS on power sharing for LTE-NR Dual Connectivity                     | Ericsson                                                                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711899</a> | Way forward on the mapping of SS blocks                                      | Nokia                                                                     | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711900</a> | WF on remaining issues on CSI-RS for mobility with RAN4 impact               | Ericsson                                                                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711901</a> | WF on remaining RLM issues with RAN4 impact                                  | Ericsson                                                                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711902</a> | WF on CSI-RS resources for L3 mobility                                       | Ericsson                                                                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711903</a> | WF on SRS for UL beam management                                             | OPPO, Intel, Samsung, Xinwei                                              | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711904</a> | Summary of views on CSI feedback for Type I and Type II                      | Ericsson                                                                  | Patrick Merias | <a href="#">52292</a> |

|                            |                                                                      |                                                                                                                                                          |                |                       |
|----------------------------|----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------|
| <a href="#">R1-1711905</a> | Summary of CSI Feedback for Open-loop/Semi-open-loop                 | Ericsson                                                                                                                                                 | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711906</a> | WF on SS Burst set Composition                                       | LG Electronics, Nokia, InterDigital, British Telecom                                                                                                     | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711907</a> | Draft Reply LS on reading time index indication for RRM measurements | Intel Corporation                                                                                                                                        | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711908</a> | Reserved resource for forward compatibility                          | Ericsson                                                                                                                                                 | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711909</a> | [DRAFT] LS response on required parameters from RAN4 perspective     | Ericsson                                                                                                                                                 | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711910</a> | [DRAFT] Reply LS on PDCCH design                                     | Ericsson, CATT                                                                                                                                           | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711911</a> | WF on pre-emption indication                                         | Huawei, HiSilicon, MediaTek, Sequans, NTT DOCOMO, Sony, vivo, ZTE, InterDigital, III, Intel, LGE, Samsung                                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711912</a> | WF on Long PUCCH Format with 1-2 UCI bits                            | Ericsson, Huawei, HiSilicon, LG, ZTE, MediaTek, Panasonic, WILUS Inc., Intel, Vivo, Cohere Technologies, ETRI, Motorola mobility, Lenovo, CATT, Qualcomm | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711913</a> | WF on introduction indication in SS block for cell update            | CMCC                                                                                                                                                     | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711914</a> | Overview of WFs on PTRS                                              | Ericsson                                                                                                                                                 | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711915</a> | WF on PTRS multiplexing with other RSs for CP-OFDM                   | ZTE                                                                                                                                                      | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711916</a> | Chairman's notes of AI 5.1.2 MIMO                                    | Ad-Hoc chair (Qualcomm)                                                                                                                                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711917</a> | Chairman's notes of AI 5.1.4 Channel coding                          | Ad-Hoc chair (Nokia)                                                                                                                                     | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711918</a> | Chairman's notes of AI 5.1.6 Duplexing                               | Ad-Hoc chair (Qualcomm)                                                                                                                                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711919</a> | Chairman's notes of AI 5.1.8 NR-LTE co-existence                     | Ad-Hoc chair (Qualcomm)                                                                                                                                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711920</a> | WF on SRS design in NR                                               | LG Electronics, CATT, Intel Corp., KT Corp., Qualcomm                                                                                                    | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711921</a> | WF on PDCCH and PDSCH resource sharing                               | ZTE, Nokia, Ericsson, LG, Panasonic, Qualcomm, Sharp                                                                                                     | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711922</a> | WF on CSI-RS for BM                                                  | Intel, Ericsson, CATT, Samsung, MediaTek, AT&T, NTT Docomo, KT                                                                                           | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711923</a> | WF on CSI-RS for BM                                                  | Samsung, Intel, AT&T, NTT DOCOMO, ZTE                                                                                                                    | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711924</a> | Summary of CSI Acquisition Details                                   | NTT DOCOMO                                                                                                                                               | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711925</a> | Remaining part of email summary for UL transmission without UL grant | LG Electronics                                                                                                                                           | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711926</a> | WF on PT-RS pattern in the frequency domain                          | LG Electronics                                                                                                                                           | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711927</a> | WF on gNB response for beam failure request                          | Huawei, HiSilicon, LG Electronics, Intel                                                                                                                 | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711928</a> | WF on PRACH for beam failure recovery request transmission           | Huawei, HiSilicon, LG Electronics, Ericsson, CATT, NTT DOCOMO                                                                                            | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711929</a> | WF on Beam Reporting                                                 | Huawei, HiSilicon, Samsung, Intel, Nokia, Oppo, National Instruments                                                                                     | Patrick Merias | <a href="#">52292</a> |

|                            |                                                                         |                                                          |                |                       |
|----------------------------|-------------------------------------------------------------------------|----------------------------------------------------------|----------------|-----------------------|
| <a href="#">R1-1711930</a> | WF on SRS Configuration                                                 | Huawei, HiSilicon, OPPO                                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711931</a> | [DRAFT] Reply LS on PDCCH design                                        | Ericsson, CATT                                           | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711932</a> | WF on PT-RS pattern in the frequency domain                             | LG Electronics                                           | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711933</a> | WF on HARQ-ACK multiplexing for NR                                      | LG Electronics                                           | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711934</a> | WF on HARQ-ACK bundling for NR                                          | LG Electronics                                           | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711935</a> | Summary of Open Issues on Layer Mapping                                 | Samsung                                                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711936</a> | WF on CSI-RS based RACH configuration                                   | Samsung, Ericsson, ZTE, Mediatek Mitsubishi, MTI         | Patrick Merias | <a href="#">52292</a> |
| R1-1711937                 | Circulant permutation matrix design for LDPC codes                      | LG Electronics                                           | Patrick Merias | <a href="#">52292</a> |
| R1-1711938                 | Circulant permutation matrix design for LDPC codes base graph #2        | LG Electronics                                           | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711939</a> | WF on the mapping of SS blocks with 30kHz SCS                           | Huawei, HiSilicon, CATT, CATR, OPPO, MediaTek, Vivo      | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711940</a> | LS to RAN1 on NR basic handover                                         | RAN2, Ericsson                                           | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711941</a> | Way Forward on PTRS                                                     | Intel, Huawei, HiSilicon, National Instruments, MediaTek | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711942</a> | WF on periodic CSI reporting on short PUCCH                             | Ericsson, Samsung, Huawei, HiSilicon, CATT               | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711943</a> | Discussion on DMRS sequence for NR PBCH                                 | Intel                                                    | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711944</a> | Observations on LDPC Shift Coefficients                                 | Qualcomm                                                 | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711945</a> | WF on random access association configuration                           | ZTE                                                      | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711946</a> | WF on DMRS indication                                                   | Samsung                                                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711947</a> | Chairman's notes of AI 5.1.9 UL Power Control                           | Ad-Hoc chair (Qualcomm)                                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711948</a> | [Draft] LS on bandwidth part operation in NR                            | MediaTek                                                 | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711949</a> | Reply LS to RAN1 on UL data transmission without UL grant for NR        | RAN2, Huawei                                             | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711950</a> | LS to RAN1 on Random Access                                             | RAN2, Samsung                                            | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711951</a> | Open issues on SRS design                                               | Sony                                                     | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711952</a> | Performance evaluation of interference randomization                    | Qualcomm Inc.                                            | Patrick Merias | <a href="#">52292</a> |
| R1-1711953                 | Evaluation of proposed PCMs for BG#1                                    | Huawei, HiSilicon                                        | Patrick Merias | <a href="#">52292</a> |
| R1-1711954                 | Evaluation of proposed PCMs for BG#2                                    | Huawei, HiSilicon                                        | Patrick Merias | <a href="#">52292</a> |
| R1-1711955                 | Ranking of proposed PCMs for BG#1 and BG#2 based on evaluation results  | Huawei, HiSilicon                                        | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711956</a> | On Pi/2-BPSK with spectrum shaping                                      | Ericsson                                                 | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711957</a> | WF on processing time requirements                                      | Qualcomm                                                 | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711958</a> | WF on CBG retransmission                                                | Samsung, ZTE                                             | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711959</a> | WF on DL PRB bundling                                                   | Xinwei                                                   | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711960</a> | Summary on DL PRB bundling                                              | Xinwei                                                   | Patrick Merias | <a href="#">52292</a> |
| R1-1711961                 | WF on the false alarm rate target of eMBB DCI                           | Panasonic, Qualcomm, Intel, NTT DOCOMO                   | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711962</a> | Way Forward on network-based beam failure recovery                      | Huawei, HiSilicon                                        | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711963</a> | Crosscheck Results for PCM of BG1                                       | Samsung                                                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711964</a> | Crosscheck Results for PCM of BG2                                       | Samsung                                                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711965</a> | Beam management offline summary                                         | Qualcomm                                                 | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711966</a> | Reply LS on reading time index indication for RRM measurements          | RAN1, Intel                                              | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711967</a> | Timing information indicated by DMRS                                    | ZTE                                                      | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711968</a> | [DRAFT] Reply LS response on NR basic handover                          | Samsung                                                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711969</a> | Offline discussions on UL data transmission without grant               | NTT DOCOMO                                               | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711970</a> | WF on RACH preamble format for short sequence with 1 and 2 OFDM symbols | Nokia, Alcatel-Lucent Shanghai Bell                      | Patrick Merias | <a href="#">52292</a> |

|                            |                                                                               |                                                                                                         |                |                       |
|----------------------------|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------|-----------------------|
| <a href="#">R1-1711971</a> | WF on QCL assumption in NR                                                    | ZTE, ASTRI, Nokia, ASB                                                                                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711972</a> | [DRAFT] Reply LS on PDCCH design                                              | Ericsson, CATT                                                                                          | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711973</a> | WF on CSI-RS for BM                                                           | Intel, Ericsson, Spreadtrum, MediaTek, Samsung, Verizon                                                 | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711974</a> | Summary of views on multiplexing of different types of RS                     | Huawei, HiSilicon                                                                                       | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711975</a> | LS response on required parameters from RAN4 perspective                      | RAN1, Ericsson                                                                                          | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711976</a> | WF on CSI-RS for beam management                                              | NTT DOCOMO, Ericsson, Samsung                                                                           | Patrick Merias | <a href="#">52292</a> |
| R1-1711977                 | Sequence construction of Polar codes for control channel                      | Qualcomm Incorporated                                                                                   | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711978</a> | LDPC rate compatible design                                                   | Qualcomm Incorporated                                                                                   | Patrick Merias | <a href="#">52292</a> |
| R1-1711979                 | Performance cross-check for PCMs of NR LDPC BG1 and BG2                       | MediaTek                                                                                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711980</a> | Performance with L1 CRC polynomial                                            | Qualcomm Incorporated                                                                                   | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711981</a> | WF on group common pre-emption indication                                     | Huawei, HiSilicon, Sharp, ZTE, LGE, Sony, Panasonic, MediaTek, InterDigital                             | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711982</a> | WF on LDPC parity check matrices                                              | Nokia                                                                                                   | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711983</a> | WF on Polar Code Construction With PC bits                                    | Huawei, HiSilicon, CATT, MTK, ZTE, DCM, Accelercomm, Coherentlogix, LG, Spreadtrum, Interdigital, Nokia | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711984</a> | [DRAFT] LS on NR initial access and mobility                                  | NTT DOCOMO                                                                                              | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711985</a> | [DRAFT] LS on NR initial access and mobility                                  | NTT DOCOMO                                                                                              | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711986</a> | WF on PTRS multiplexing with other RSs for CP-OFDM                            | ZTE                                                                                                     | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711987</a> | Reply LS response on NR basic handover                                        | RAN1, Samsung                                                                                           | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711988</a> | WF on beam indication for PDCCH                                               | Samsung                                                                                                 | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711989</a> | [Draft] LS on bandwidth part operation in NR                                  | MediaTek                                                                                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711990</a> | WF on DL PRB bundling                                                         | Xinwei                                                                                                  | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711991</a> | WF on contents of the group-common PDCCH                                      | CATT, NEC                                                                                               | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711992</a> | [DRAFT] Reply LS on PDCCH design                                              | Ericsson, CATT                                                                                          | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711993</a> | WF on UE behavior for reserved resource                                       | Samsung                                                                                                 | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711994</a> | WF on UE power saving with PDCCH monitoring in CDRX                           | Qualcomm                                                                                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711995</a> | WF on the content of the long PUCCH resource configuration                    | Ericsson                                                                                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711996</a> | WF on long PUCCH Format for more than 2 UCI bits with multi-user multiplexing | Ericsson                                                                                                | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711997</a> | Response LS on Support for fake gNB detection mechanisms                      | RAN1, Nokia                                                                                             | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711998</a> | LS on bandwidth part operation in NR                                          | RAN1, MediaTek                                                                                          | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1711999</a> | LS on power sharing for LTE-NR Dual Connectivity                              | RAN1, Ericsson                                                                                          | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1712000</a> | LS on support of multi-TRP transmission in NR                                 | RAN1, Intel                                                                                             | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1712001</a> | LS on NR initial access and mobility                                          | RAN1, NTT DOCOMO                                                                                        | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1712002</a> | LS on NR initial access and mobility                                          | RAN1, NTT DOCOMO                                                                                        | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1712003</a> | [DRAFT] Reply LS on CSI-RS design for beam management                         | NTT DOCOMO                                                                                              | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1712004</a> | TS38.211 v0.1.0 NR; Physical channels and modulation                          | Ericsson LM                                                                                             | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1712005</a> | Reply LS on PDCCH design                                                      | RAN1, Ericsson, CATT                                                                                    | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1712006</a> | WF on UE behavior for reserved resource                                       | Samsung                                                                                                 | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1712007</a> | LS on NR Beam Management                                                      | RAN1, Qualcomm                                                                                          | Patrick Merias | <a href="#">52292</a> |

|                            |                                                                            |                  |                |                       |
|----------------------------|----------------------------------------------------------------------------|------------------|----------------|-----------------------|
| <a href="#">R1-1712008</a> | LS on HARQ operation                                                       | RAN1, Nokia      | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1712009</a> | Reply LS on CSI-RS design for beam management                              | RAN1, NTT DOCOMO | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1712010</a> | LS on a correction to the applicable UL modulation schemes                 | RAN1, Huawei     | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1712011</a> | TS38.211 v0.1.1 NR; Physical channels and modulation                       | Ericsson LM      | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1712012</a> | TS38.201 v0.0.1 NR; Physical layer; General description                    | NTT DOCOMO       | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1712013</a> | TS38.202 v0.0.1 NR; Physical layer services provided by the physical layer | Qualcomm         | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1712014</a> | TS38.212 v0.0.1 NR; Multiplexing and channel coding                        | Huawei           | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1712015</a> | TS38.213 v0.0.1 NR; Physical layer procedures for control                  | Samsung          | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1712016</a> | TS38.214 v0.0.1 NR; Physical layer procedures for data                     | Nokia            | Patrick Merias | <a href="#">52292</a> |
| <a href="#">R1-1712017</a> | TS38.215 v0.0.1 NR; Physical layer measurements                            | Intel            | Patrick Merias | <a href="#">52292</a> |