Paper No. 8
Filed: August 21, 2023

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

SAMSUNG ELECTRONICS CO., LTD and
SAMSUNG ELECTRONICS AMERICA, INC.,
Petitioner,

v.

APEX BEAM TECHNOLOGIES LLC,
Patent Owner.

Case IPR2023-00599
Patent No. 10,912,081

PETITIONER'S UPDATED EXHIBIT LIST

Pursuant to 37 C.F.R. § 42.63(e), Petitioner Samsung Electronics Co., Ltd. and Samsung Electronics America, Inc. (collectively "Petitioner") hereby submits a current listing of Petitioner exhibits. Exhibit 1022 is being filed today.

Exhibit	Description
1001	U.S. Patent No. 10,912,081 to Zhang ("'081 patent")
1002	Declaration of Apostolos Kakaes, Ph.D. ("Kakaes")
1003	Prosecution History of the '081 patent (downloaded from the USPTO's Patent Center Website)
1004	International Patent Publication No. WO 2017/083489 to Lee et al. ("*Lee*")
1005	Provisional Application No. 62/253,473 to Lee et al. ("*Lee Provisional*")
1006	3GPP TR 25.892 V6.0.0 (2004-06) Technical Report (3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Feasibility Study for Orthogonal Frequency Division Multiplexing (OFDM) for UTRAN enhancement (Release 6)) ("*TR-25.892*").
1007	3GPP TS 36.213 version 12.11.0 Release 12 (2016-11) Technical Specification (Evolved Universal Terrestrial Radio Access (E-UTRA); Physical Layer Procedures) ("*TS-36.213*").
1008	3GPP TS 36.321 version 12.6.0 Release 12 (2015-0) Technical Specification (Evolved Universal Terrestrial Radio Access (E-UTRA); Medium Access Control (MAC) Protocol Specification) ("*TS-36.321*").
1009	Wu, Hao. "Accurate determination of transport block size for 5G new radio." Electronics Letters 56.9 (2020): 459-462 ("*Wu*").

Exhibit	Description
1010	Sandrasegaran, Kumbesan, Huda Adibah Mohd Ramli, and Riyaj Basukala. "Delay-prioritized scheduling (DPS) for real time traffic in 3GPP LTE system." *2010 IEEE wireless* communication *and networking conference*. IEEE, 2010 ("*Sandrasegaran*").
1011	Reserved
1012	International Patent Publication No. WO 2018/201861 to Chen et al. ("*Chen*")[1], including certified English translation and certification
1013	Chinese Patent Application Publication No. CN 108809488 to Chen et al. ("*Chen Priority*")[2], including certified English translation and certification
1014	3GPP Declaration of Friedhelm Rodermund
1015	*Apex Beam Technologies LLC v. Samsung Electronics Co. Ltd. et al.*, No. 2:22-cv-00188-JRG, Dkt. No. 1, Complaint for Patent Infringement (E.D. Tex. June 1, 2022)
1016	United States District Courts – National Judicial Caseload Profile, *available at* https://www.uscourts.gov/sites/default/files/fcms_na_distprofile0630.2022_0.pdf (retrieved February 5, 2023)
1017	*Apex Beam Technologies LLC v. ZTE Corp.*, No. 2:22-cv-00031-JRG-RSP, Dkt. No. 37, Docket Control Order (E.D. Tex. Feb. 2, 2023) (consolidated with *Apex Beam Technologies LLC v. Samsung Electronics Co. Ltd. et al.*, No. 2:22-cv-00188-JRG)
1018	*Apex Beam Technologies LLC v. Samsung Electronics Co. Ltd. et al.*, No. 2:22-cv-00188-JRG, Plaintiff's Infringement Contentions Cover Pleading (January 5, 2023)

[1] Citations to *Chen* are made to the English translation.

[2] Citations to *Chen Priority* are made to the English translation.

Exhibit	Description
1019	3GPP TS 36.211 version 12.5.0 Release 12 (2015-03) 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Evolved Universal Terrestrial Radio Access (E-UTRA); Physical channels and modulation ("*TS-36.211*").
1020	3GPP TS 36.212 version 12.4.0 Release 12 (2015-03) 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Evolved Universal Terrestrial Radio Access (E-UTRA); Multiplexing and channel coding ("*TS-36.212*").
1021	3GPP TSG RAN WG1 Meeting #89, Hangzhou, China 15th – 19th May 2017, R1-1707475, CATT, "Discussion on DL beam management" ("*R1-1710596*")
1022	Petitioner's *Sotera* Stipulation

Dated: August 21, 2023

Respectfully submitted,

/Joshua L. Goldberg/
Joshua L. Goldberg, Reg. No. 59,369
Lead Counsel for Petitioner

CERTIFICATE OF SERVICE

The undersigned certifies that a copy of the foregoing **Petitioner's Updated Exhibit List** and **Exhibit 1022** were served electronically via email on August 21, 2023, in their entirety on the following:

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Patent Owner has consented to service by email.

Dated: August 21, 2023

/William Esper/
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