Paper No. 19
Filed: March 19, 2024

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 IPR2023-00602
Patent No. 10,568,113

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 "Samsung") hereby submits a current listing of Petitioner exhibits. Exhibits 1024-1025 are being filed today.

Exhibit	Description
1001	U.S. Patent No. 10,568,113 to Zhang ("the '113 patent")
1002	"Liu" Declaration of Dr. Harry Bims, Ph.D. ("Bims")
1003	Prosecution History of the '113 patent (downloaded from the USPTO's Patent Center Website)
1004	U.S. Patent Application Publication No. 2019/0053294 to Xia et al., published February 14, 2019 ("*Xia*")
1005	U.S. Patent Application Publication No. 2015/0141026 to Jover, published May 21, 2015 ("*Jover*")
1006	3GPP TSG RAN WG1 NR Ad-Hoc#2, Qingdao, P.R. China 27th – 30th June 2017, published in 3GPP website (https://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_AH/NR_AH_1706/Docs) on June 16, 2017 ("*R1-1710596*")
1007	U.S. Patent Publication No. 2018/0367374 to Liu et al., published December 20, 2018 ("*Liu*")
1008	Reserved
1009	Raghav Pandey, Ashwani Awasthi, and Vikas Srivastava, "Comparison between Bit Error Rate And Signal To Noise Ratio in OFDM Using LSE Algorithm," in Proceedings of the Conference on Advances in Communication and Control Systems (CAC2S 2013), pp. 463-466, Atlantis Press 2013.
1010	Screen shot of 3GPP Portal showing the upload time of *R1-1710596* on the 3GPP website.

Exhibit	Description
1011	International Patent Publication No. WO 2017/024516 A1 to Lu et al., published February 16, 2017 ("*Lu*")
1012	U.S. Provisional Application No. 62/543,765 to Xia et al. ("*Xia Provisional*")
1013	U.S. Patent No. 6,185,432 to Vembu, published February 6, 2001 ("*Vembu*")
1014	U.S. Provisional Application No. 62/521,170 to Liu et al. ("*Liu Provisional*")
1015	Printout of https://www.atlantis-press.com/proceedings/cac2s-13/6357
1016	3GPP Declaration of Friedhelm Rodermund
1017	*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)
1018	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)
1019	*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)
1020	*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)
1021	3GPP TSG RAN WG1 NR Ad-Hoc#2, R1-1710078, Qingdao, P.R. China 27th – 30th June 2017, published in 3GPP website (https://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_AH/NR_AH_1706/Docs) on June 16, 2017 ("*R1-1710078*").

Exhibit	Description
1022	3GPP TSG RAN WG1 #87ah-NR, R1-1700771, Spokane, WA, USA, 16th – 20th January, 2017, published in 3GPP website (https://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_AH/NR_AH_1701/Docs/) on January 10, 2017 ("*R1-1700771*").
1023	Petitioner's *Sotera* Stipulation
1024	Joint Claim Construction and Prehearing Statement, *Apex Beam Technologies LLC v. Samsung Electronics Co., Ltd.*, Case No. 2:22-CV-00031-JRG-RSP (E.D. Tex., Sept. 22, 2023)
1025	Deposition Transcript of Miguel Gomez, *Apex Beam Technologies LLC v. Samsung Electronics Co., Ltd.*, Case No. 2:22-CV-00031-JRG-RSP (E.D. Tex., Nov. 1, 2023)

Dated: March 19, 2024

Respectfully submitted,

/Joshua L. Goldberg/
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CERTIFICATE OF SERVICE

The undersigned certifies that a copy of the foregoing **Petitioner's Updated Exhibit List** and **Exhibits 1024-1025** were served electronically via email on March 19, 2024, in their entirety on the following:

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Patent Owner has consented to service by email.

Dated: March 19, 2024

By: /William Esper/
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