

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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

v.

HANNIBAL IP, LLC,  
Patent Owner.

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Case IPR2025-01187  
U.S. Patent No. 11,057,896

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**PETITIONERS' UPDATED EXHIBIT LIST**

Pursuant to 37 C.F.R. § 42.63(e), Petitioners Samsung Electronics Co., Ltd. and Samsung Electronics America, Inc. hereby submit a current listing of Petitioners’ exhibits. Exhibits 1041-1044 are being filed today.

<b>Exhibit</b>	<b>Description</b>
1001	U.S. Patent No. 11,057,896 to Cheng et al. (“the ’896 patent”)
1002	File History for U.S. Patent No. 11,057,896 (downloaded from Patent Center)
1003	Declaration of Dr. Harry Bims, Ph.D. (“Bims”)
1004	Curriculum Vitae of Dr. Harry Bims, Ph.D.
1005	U.S. Patent Application Publication No. US 2018/0343653 A1 to Guo (“ <i>Guo</i> ”)
1006	3GPP TSG RAN WG1 Meeting #94bis R1-1810751 (“Remaining Issues on Beam Management”) (Sept./Oct. 2018) (“ <i>Intel</i> ”)
1007	U.S. Patent Application Publication No. US 2021/0050936 A1 to Seo et al. (“ <i>Seo</i> ”)
1008	Certified copy of U.S. Provisional Application No. 62/670,038 to Seo et al., filed May 11, 2018 (“ <i>Seo Provisional</i> ”)
1009	U.S. Patent Application Publication No. US 2019/0260445 A1 to Wilson et al. (“ <i>Wilson445</i> ”)
1010	U.S. Provisional Application No. 62/710,409 to Wilson et al., filed February 16, 2018 (“ <i>Wilson445 Provisional</i> ”)
1011	3GPP TSG RAN WG1 Meeting #94 R1-1808197 (“Maintenance for Reference signals and QCL”) (Aug. 2018) (“ <i>ZTE</i> ”)
1012	3GPP TS 38.214 v15.3.0 (“Technical Specification Group Radio Access Network; NR; Physical layer procedures for data (Release 15)”) (Sept. 2018) (“ <i>5G-Standard</i> ”)

Exhibit	Description
1013	U.S. Patent Application Publication No. US 2019/0229792 A1 to Wilson et al. (“ <i>Wilson792</i> ”)
1014	U.S. Provisional Application No. 62/621,536 to Wilson et al., filed January 24, 2018 (“ <i>Wilson792 Provisional</i> ”)
1015	3GPP TSG RAN WG1 Meeting #94b R1-1810366 (“Maintenance for beam management”) (Sept./Oct. 2018) (“ <i>Vivo366</i> ”)
1016	3GPP TSG RAN WG1 Meeting #94 R1-1809758 (“Feature lead summary on QCL”) (Aug. 2018) (“ <i>Nokia</i> ”)
1017	3GPP TSG RAN WG1 Meeting #94 R1-1808490 (“Remaining issues on downlink control channel”) (Aug. 2018) (“ <i>LG490</i> ”)
1018	3GPP TS 38.211 v15.3.0 (“Technical Specification Group Radio Access Network; NR; Physical channels and modulation (Release 15)”) (Sept. 2018) (“ <i>TS-38.211</i> ”)
1019	3GPP TS 38.213 v15.3.0 (“Technical Specification Group Radio Access Network; NR; Physical layer procedures for control (Release 15)”) (Sept. 2018) (“ <i>TS-38.213</i> ”)
1020	3GPP TS 38.321 v15.3.0 (“Technical Specification Group Radio Access Network; NR; Medium Access Control (MAC) protocol specification (Release 15)”) (Sept. 2018) (“ <i>TS-38.321</i> ”)
1021	3GPP TS 38.331 v15.3.0 (“Technical Specification Group Radio Access Network; NR; Radio Resource Control (RRC) protocol specification (Release 15)”) (Sept. 2018) (“ <i>TS-38.331</i> ”)
1022	3GPP TSG RAN WG1 Meeting #94bis R1-1810369 (“Remaining issues on physical downlink control channel”) (Sept./Oct. 2018) (“ <i>Vivo369</i> ”)
1023	3GPP TSG RAN WG1 Meeting #94bis R1-1811634 (“Text proposals for Beam management”) (Oct. 2018) (“ <i>OPPO</i> ”)

Exhibit	Description
1024	3GPP TSG RAN WG1 Meeting #94 R1-1808330 (“Remaining issues on beam management and beam failure recovery”) (Aug. 2018) (“ <i>Sony</i> ”)
1025	3GPP TSG RAN WG1 Meeting #94bis R1-1811820 (“Offline summary for PDCCH structure and search space”) (Oct. 2018) (“ <i>NTT</i> ”)
1026	3GPP TSG RAN WG1 Meeting #94bis R1-1810256 (“Remaining issues on downlink control channel”) (Sept./Oct. 2018) (“ <i>LG256</i> ”)
1027	3GPP TSG RAN WG1 Meeting #94bis R1-1810520 (“Open issues and corrections for NR PDCCH”) (Sept./Oct. 2018) (“ <i>CATT</i> ”)
1028	RESERVED
1029	Declaration of Friedhelm Rodermund
1030	U.S. Provisional Application No. 62/754,165 to Cheng et al., filed November 1, 2018 (“the ’896/’661 Provisional Application”)
1031	U.S. Patent No. 11,641,661 B2 to Cheng et al. (“the ’661 patent”)
1032	File History for U.S. Patent No. 11,641,661 (downloaded from Patent Center)
1033	U.S. Patent Application Publication No. US 2020/0404690 A1 to Lee et al. (“ <i>Lee</i> ”)
1034	U.S. Provisional Application No. 62/652,827 to Lee et al., filed April 4, 2018 (“ <i>Lee Provisional</i> ”)
1035	3GPP TSG RAN WG1 Meeting #94 R1-1809864 (“Feature lead summary for beam management - Thursday”) (Aug. 2018) (“ <i>Ericsson</i> ”)
1036	International Publication No. WO 2017/052199 A1 to You et al. (“ <i>You</i> ”)

Exhibit	Description
1037	U.S. Patent Application Publication No. US 2012/0122495 A1 to Weng et al. (“ <i>Weng</i> ”)
1038	U.S. Patent Application Publication No. US 2017/0094547 A1 to Yum et al. (“ <i>Yum</i> ”)
1039	International Publication No. WO 2017/171398 A1 to Yi et al. (“ <i>Yi</i> ”)
1040	Patent Owner’s Complaint filed in <i>Hannibal IP, LLC v. Samsung Electronics Co., Ltd., et al.</i> , Case No. 4:25-cv-00200 (E.D. Tex.)
1041	U.S. District Court Docket dated November 6, 2025, in <i>Hannibal IP, LLC v. Samsung Electronics Co., Ltd., et al.</i> , Case No. 4:25-cv-00200 (E.D. Tex.)
1042	CM/ECF system docket text email dated September 19, 2025, in <i>Hannibal IP, LLC v. Samsung Electronics Co., Ltd., et al.</i> , Case No. 4:25-cv-00200 (E.D. Tex.)
1043	Email from Patent Owner’s counsel to Petitioner’s counsel dated October 1, 2025
1044	Federal Case Management Statistics – United States District Courts (June 2025), <a href="https://www.uscourts.gov/sites/default/files/document/fcms_na_distprofile0630.2025.pdf">https://www.uscourts.gov/sites/default/files/document/fcms_na_distprofile0630.2025.pdf</a>

Respectfully submitted,

Dated: November 6, 2025

By: / Joshua L. Goldberg / \_\_\_\_\_  
Joshua L. Goldberg, Lead Counsel  
Reg. No. 59,369

**CERTIFICATE OF SERVICE**

The undersigned hereby certifies that a copy of the foregoing **Petitioners' Updated Exhibit List** and **Exhibits 1041-1044** were served on November 6, 2025, via e-mail directed to counsel of record for the Patent Owner at the following:

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Patent Owner has consented to electronic service by email.

Dated: November 6, 2025

/ William Esper /  
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