UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

APPLE INC.
Petitioner

v.

APEX BEAM TECHNOLOGIES LLC,
Patent Owner

Case IPR2025-00911
Patent 11,637,615

PETITIONER'S UPDATED LIST OF EXHIBITS

LIST OF EXHIBITS

EX1001	U.S. Patent No. 11,637,615 ("the '615 Patent")
EX1002	Excerpts from the File History of U.S. Patent No. 11,637,615
EX1003	Expert Declaration of Dr. Robert Akl, Ph.D.
EX1004	U.S. Publication No. 2021/0100031 to Cirik et al. ("Cirik")
EX1005	U.S. Prov. App. Serial No. 62/908,473 ("Cirik Provisional")
EX1006	U.S. Publication No. 2022/0110153 to Wu et al. ("Wu")
EX1007	R2-1914882, Handling UL LBT Failures in MAC, 3GPP RAN WG2 Meeting #108, InterDigital ("InterDigital")
EX1008	R2-1915141, Handling of UL LBT Failure, 3GPP RAN WG2 Meeting #108, Huawei & HiSilicon ("Huawei")
EX1009	R2-1916382, Report of offline-403 - Remaining issues of consistent UL LBT failure, OPPO
EX1010	RESERVED
EX1011	Erik Dahlman et al., 5G NR the Next Generation Wireless Access Technology (2018) ("Dahlman")
EX1012	Declaration of Mr. Friedhelm Rodermund
EX1013	U.S. Publication No. 2020/0245369 ("Chen")
EX1014	U.S. Publication No. 2021/0144760 ("Ozturk")
EX1015	Erik Dahlman et al., 4G LTE-Advanced Pro and The Road to 5G (2016)

EX1016	U.S. Publication No. 2020/0367079 ("Chen")
EX1017	TS 138 300, 3GPP TS 38.300 version 15.5.0 Release 15, ETSI (May, 2019)
EX1018	R2-1912096, Report of TSG-RAN WG2 Meeting #107, OPPO (October, 2019)
EX1019	RESERVED
EX1020	Techplayon, 5G RACH Procedure Overview – CBRA & CFRA, https://www.techplayon.com/5g-nr-rach-procedure-overview-cbra-cfra/#google_vignette (retrieved April 10, 2025)
EX1021	Agostini et al., Evolution of the 5G New Radio Two-Step Random Access Towards 6G Unsourced MAC, Version 1.0 (April 18, 2024)
EX1022	U.S. Publication No. 2020/0373992 ("Wang")
EX1023-1099	[RESERVED]
EX1100	Complaint, *Apex Beam Technologies, LLC v. Apple Inc.*, Case No. 6:24-cv-00223 (W.D. Tex.) (April 29, 2024)
EX1101	First Amended Complaint, *Apex Beam Technologies, LLC v. Apple Inc.*, Case No. 6:24-cv-00223 (W.D. Tex.) (May 2, 2024)
EX1102	Apple Inc.'s Sotera Stipulation

Respectfully submitted,

Date: July 3, 2025

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CERTIFICATE OF SERVICE

Pursuant to 37 CFR § 42.6(e)(4), the undersigned certifies that on July 3, 2025, a complete and entire copy of this Petitioner's Updated Exhibit List and accompanying exhibit was provided via email to the Patent Owner by serving the correspondence email address of record as follows:

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