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.,
SAMSUNG ELECTRONICS AMERICA, INC., and APPLE INC.,
Petitioner,

v.

SMART MOBILE TECHNOLOGIES LLC,
Patent Owner.

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Case IPR2022-01004
Patent 9,614,943

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PETITIONER'S REPLY TO PATENT OWNER'S RESPONSE

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EX-1010   U.S. Patent No. 5,590,133 to Lars Billström, et al. ("Billström")

EX-1011   P.W. Wolniansky, et al., V-BLAST: An Architecture for Realizing Very High Data Rates Over the Rich-Scattering Wireless Channel, published in 1998 URSI International Symposium on Signals, Systems, and Electronics. Conference Proceedings (Cat. No.98EX167) (October 1998) ("Wolniansky")

EX-1012   U.S. Patent No. 6,005,876 to Leonard Joseph Cimini, Jr., et al. ("Cimini")

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EX-1014   ETSI EN 301 344 V6.7.1, Digital cellular telecommunications system (Phase 2+); General Packet Radio Service (GPRS); Service description; Stage 2 (GSM 03.60 version 6.7.1 Release 1997)

EX-1015   U.S. Patent No. 5,425,050 to William F. Schreiber, et al.

EX-1016   U.S. Patent No. 5,726,978 to Carl Magnus Frodigh, et al.

EX-1017   [RESERVED]

EX-1018   J. J. Spicer, et al., Wireless office data communications using CT2 and DECT, IEE Colloquium on Personal Communications: Circuits, Systems and Technology, 1993, pp. 9/1-9/4.

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EX-1022   R. G. Vaughan, et al., Antenna diversity in mobile communications, in IEEE Transactions on Vehicular Technology, vol. 36, no. 4, pp. 149-172, Nov. 1987

EX-1023   S. M. Alamouti, A simple transmit diversity technique for wireless communications, in IEEE Journal on Selected Areas in Communications, vol. 16, no. 8, pp. 1451-1458, Oct. 1998

EX-1024   A. A. Abidi, Direct-conversion radio transceivers for digital communications, in IEEE Journal of Solid-State Circuits, vol. 30, no. 12, pp. 1399-1410, Dec. 1995

EX-1025	Yonghong Gao, et al., Low-Power Implementation of a Fifth-Order Comb Decimation Filter for Multi-Standard Transceiver Applications, Electronic System Design Laboratory, Royal Institute of Technology, Nov. 1999
EX-1026	Reza Karimi, et al., Wideband Digital Receivers for Multi-Standard Software Radios, Motorola GSM Products Division, Oct. 1997
EX-1027	Dictionary Definitions of "communication port," "I/O port," and "port" (IBM Dictionary of Computing, McGraw-Hill, Inc., August 1993)
EX-1028	Jon D. Brady, Virtual Private Networking – The Flexible Approach, Institution of Electrical Engineers, 1997
EX-1029	Excerpts from Ziemer and Tranter, Principles of Communications: Systems, Modulation, and Noise, Fourth Edition, John Wiley & Sons, New York, 1995
EX-1030	Dictionary Definition of "Nyquist Theorem" (Newton's Telecom Dictionary, Flatiron Publishing, 1998)
EX-1031	Complaint, *Smart Mobile Technologies LLC v. Samsung Electronics Co. Ltd. et al.*, Case No. 6:21-cv-00701 (WDTX)
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