UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLE, INC., HTC CORPORATION, HTC AMERICA, INC.,
MICROSOFT CORPORATION, MICROSOFT MOBILE OY,
MICROSOFT MOBILE INC., SAMSUNG ELECTRONICS CO., LTD.,
SAMSUNG ELECTRONICS AMERICA, INC., and ZTE (USA) INC.,
Petitioners,

v.

EVOLVED WIRELESS LLC,
Patent Owner.

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Case IPR2016-00758[1]
Patent 8,218,481 B2

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Before CHRISTOPHER L. CRUMBLEY, PETER P. CHEN, and
TERRENCE W. McMILLIN, *Administrative Patent Judges*.

PETITIONERS' UPDATED EXHIBIT LIST

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[1] IPR2016-001342 and IPR2016-01349 have been consolidated with this proceeding.
IPR2017-00068 and IPR2017-00106 have been joined with IPR2016-00758.
IPR2016-00981 has been joined with IPR2016-01349.

Exhibit No.[2]			Short Name	Description
2016-00758	2016-01342	2016-01349		
1001	1001	1001	481 Patent	U.S. Patent No. 8,218,481
1002			Panasonic 792	"Random access burst evaluation in E-UTRA uplink," 3GPP Tdoc R1-060792, Panasonic, TSG-RAN WG1 Meeting #44bis, Athens, Greece, March 27-31, 2006
1003	1003		Panasonic 114	"Random access design for E-UTRA uplink," 3GPP Tdoc R1-061114, Panasonic, TSG-RAN WG1 Meeting #45, Shanghai, China, May 8-12, 2006
1004	1004	1020	Chu	"Polyphase Codes With Good Periodic Correlation Properties," D.C. Chu, *IEEE Transactions on Information Theory*, pp. 531-32, July 1972
1005	1005		481 File History	File History of U.S. Patent Application No. 12/303,947, which issued as the 481 Patent
1006	1006		Huawei 797	"RACH design for E-UTRA," 3GPP Tdoc R1-060797, Huawei, TSG-RAN WG1 Meeting #44bis, Athens, Greece, March 27-31, 2006
1007	1007		Samsung 028	U.S. Patent No. US 7,702,028
1008	1008		Motorola/TI 893	"Proposal for RACH Preambles," 3GPP Tdoc TSGR1#6(99)893, Motorola and Texas Instruments, TSG-RAN WG1 Meeting #6, Espoo, Finland, July 13-16, 1999
1009	1009		TI 058	"RACH Preamble Design," 3GPP Tdoc R1-051058, Texas Instruments, TSG-RAN WG1 Meeting #42bis, San Diego, USA, October 10-14, 2005

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[2] Pursuant to Paper 24 in IPR2016-00758, Petitioners refiled in the consolidated IPR2016-00758 proceeding the exhibits filed in IPR2016-01342 and IPR2016-01349 but not filed in IPR2016-00758. This exhibit list identifies corresponding exhibits numbers from the -1342 and -1349 proceedings where applicable.

Exhibit No.[2]			Short Name	Description
2016-00758	2016-01342	2016-01349		
1010	1010		Motorola 884	"Random Access Sequence Design," 3GPP Tdoc R1-060884, Motorola, TSG-RAN WG1 Meeting #44-bis, Athens, Greece, March 24-26, 2006
1011	1011		Nortel 908	"On the performances of LTE RACH," 3GPP Tdoc R1-060908, Nortel Networks, TSG-RAN WG1 Meeting #44-bis, Athens, Greece, March 27-31, 2006
1012	1012		TI 867	"A new preamble shape for the Random Access preamble in E-UTRA," 3GPP Tdoc R1-060867, Texas Instruments, TSG-RAN WG1 Meeting #44-bis, Athens, Greece, March 27-31, 2006
1013	1013		NTT/NEC 992	"Investigations on Random Access Channel Structure for E-UTRA Uplink," 3GPP Tdoc R1-060992, NTT DoCoMo and NEC, TSG-RAN WG1 Meeting #44bis, Athens, Greece, March 27-31, 2006
1014			Min -758	Declaration of Paul S. Min, Ph.D
1015			Zhisong -758	Declaration of Zuo Zhisong
1016			Butler -758	Affidavit of Christopher Butler
1017	1017		3GPP FAQs	Printout of 3GPP FAQs
1018	1018		Delegates Corner	Printout of Delegates Corner
1019			44bis Docs	Printout of 44bis Docs FTP
1020			3/21/06 Hiramatsu E-Mail	Printout of archived version of e-mail from Katsuhiko Hiramatsu to RAN1's e-mail exploder list on March 21, 2006
1021			Tdoclist 44bis	Printout of list of Tdocs submitted at RAN1 Meeting 44bis
1022	1022		45 Docs	Printout of 45 Docs FTP
1023	1023		5/2/06 Hiramatsu E-Mail	Printout of archived version of e-mail from Katsuhiko Hiramatsu to RAN1's e-mail exploder list on May 2, 2006

Exhibit No.[2]			Short Name	Description
2016-00758	2016-01342	2016-01349		
1024	1024		Tdoclist 45	Printout of list of Tdocs submitted at RAN1 Meeting 45
1025	1025		Chu Citations	Printout of IEEE Xplore Abstract (Citations) - Polyphase codes with good periodic correlation properties (Corresp.)
1026	1026		LG 916	U.S. Patent No. 7,746,916
1027	1027		153 Patent	U.S. Patent No. 5,553,153
1028	1028		284 Publication	U.S. Patent App. Pub. 2004/0047284
1029	1029		3GPP FAQs Archive	Printout of archived version of 3GPP Frequency Asked Questions
1030	1030		4/30/06 List Archives	Printout of archived version of LISTSERV Archives at LIST.ETSI.ORG
1031			44bis Participant List	Printout of 3GPP Meeting Registration
1032	1032		45 Participant List	Printout of 3GPP Meeting Registration
1033	1033		Dahlman	Excerpts from Dahlman, Erik. *3G Evolution: HSPA and LTE for Mobile Broadband*. Amsterdam: Academic, 2008
1034	1034		TI 062	"On Uplink Pilot in EUTRA SC-FDMA," 3GPP Tdoc R1-051062, Texas Instruments, TSG-RAN WG1 Ad Hoc on LTE, San Diego, USA, October 10-14, 2005
1035	1002		Panasonic 700	"RACH preamble evaluation in E-UTRA uplink," 3GPP Tdoc R1-060700, Panasonic, TSG-RAN WG1 Meeting #44, Denver, USA, February 13-17, 2006
1036	1014		Min -1342	Declaration of Paul S. Min, Ph.D
1037	1015		Zhisong -1342	Declaration of Zuo Zhisong
1038	1016		Butler -1342	Affidavit of Christopher Butler
1039	1019		44 Docs	Printout of 44 Docs FTP
1040	1020		Motorola 595	U.S. Patent App. Pub. US 2007/0058595 A1
1041	1021		Tdoclist 44	Printout of list of Tdocs submitted at RAN1 Meeting 44

Exhibit No.[2]			Short Name	Description
2016-00758	2016-01342	2016-01349		
1042	1031		44 Participant List	Printout of 3GPP Meeting Registration
1043	1035		21.905	3GPP TR 21.905 v7.0.0
1044	1036		25.814	3GPP TR 25.814 v1.0.2
1045	1037		Ericsson 445	"E-UTRA Random Access," 3GPP Tdoc R1-051445, Ericsson, TSG-RAN WG1 #43, Seoul, Korea, November 7-11, 2005
1046	1038		Motorola 025	"RACH Design for EUTRA," 3GPP Tdoc R1-060025, Motorola, TSG-RAN WG1 #43, Helsinki, Finland, January 23-25, 2006
1047	1039		25.211 v6.7.0	3GPP TS 25.211 v6.7.0
1048	1040	1028	Joint Claim Construction Chart	Joint Claim Construction Chart, filed as Document 57-1 in Case 1:15-cv-00546-SLR-SRF (D. Del.)
1049	1041		Motorola 595 Provisional	U.S. Provisional App. 60/666,494
1050	1042		Kim -1342	Declaration of Youngbum Kim
1051		1002	481 File History Excerpts	Excerpts from the Prosecution History of the 481 Patent
1052		1003	Wells -1349	Declaration of Jonathan Wells
1053		1004	Wells CV	Curriculum Vitae of Jonathan Wells
1054		1005	IEEE 802.16-2004	"IEEE Standard for Local and Metropolitan Area Networks Part 16: Air Interface for Fixed Broadband Wireless Access Systems"
1055		1006	Ringle -1349 (2004)	Declaration of Mr. David Ringle for IEEE802.16-2004
1056		1007	Tan Prov.	Provisional Application No. 60/759,697 of U.S. Patent No. 8,000,305 to Tan et al.

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