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UNITED STATES PATENT AND TRADEMARK OFFICE

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**BEFORE THE PATENT TRIAL AND APPEAL BOARD**

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INTEL CORPORATION  
Petitioner

v.

QUALCOMM INCORPORATED  
Patent Owner

Case IPR2019-00047  
U.S. Patent No. 9,154,356

**PETITIONER'S UPDATED EXHIBIT LIST**

**PETITIONER'S UPDATED EXHIBIT LIST IPR2019-00047**

<b>Exhibit</b>	<b>Description</b>
1001	U.S. Patent No 9,154,356 (“356 patent”)
1002	Declaration of Dr. Patrick Fay (“Fay-Decl.”)
1003	U.S. Patent Application Publication 2011/0217945 (“Uehara”)
1004	3GPP Technical Report 36.912 V9.1.0, 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Feasibility study for Further Advancements for E-UTRA (LTE-Advanced) (Release 9) (“Feasibility Study”)
1005	RESERVED
1006	RESERVED
1007	RESERVED
1008	Perumana et al., “Resistive-Feedback CMOS Low-Noise Amplifiers for Multiband Applications,” <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. 56, No. 5 (May 2008) (“Perumana”)
1009	Youssef and Haslett, “Digitally-Controlled RF Passive Attenuator in 65 nm CMOS for Mobile TV Tuner ICs,” <i>Proceedings of 2010 IEEE International Symposium on Circuits and Systems (ISCAS)</i> (May 2010) (“Youssef”)
1010	RESERVED
1011	August 21, 2012, U.S. Application No. 13/590,423 as filed
1012	November 14, 2013 Office Action, U.S. Application No. 13/590,423
1013	Applicant’s February 6, 2014 Response to Office Action Dated November 14, 2013, U.S. Application No. 13/590,423
1014	April 18, 2014 Office Action, U.S. Application No. 13/590,423
1015	Applicant’s June 6, 2014 Response to Office Action Dated April 18, 2014, U.S. Application No. 13/590,423

Exhibit	Description
1016	August 1, 2014 Office Action, U.S. Application No. 13/590,423
1017	Applicant's October 30, 2014 Response to Office Action Dated August 1, 2014, U.S. Application No. 13/590,423
1018	December 26, 2014 Office Action, U.S. Application No. 13/590,423
1019	February 26, 2015 Applicant-Initiated Interview Summary, U.S. Application No. 13/590,423
1020	Applicant's February 25, 2015 Response to Office Action Dated December 26, 2014, U.S. Application No. 13/590,423
1021	March 5, 2015 Notice of Allowability, U.S. Application No. 13/590,423
1022	May 29, 2015 Notice of Allowability, U.S. Application No. 13/590,423
1023	U.S. Patent No. 7,751,513 ("Eisenhut")
1024	U.S. Patent No. 7,317,894 ("Hirose")
1025	U.S. Patent No. 8,442,473 ("Kaukovuori")
1026	Declaration of Patrick Merias ("Merias Decl.")
1027	Declaration of Friedhelm Rodermund ("Rodermund Decl.")
1028	RAN1 TR 36.912 Documents ("TR 36.912 Webpage") <a href="http://www.3gpp.org/ftp/Specs/archive/36_series/36.912/">http://www.3gpp.org/ftp/Specs/archive/36_series/36.912/</a>
1029	Declaration of Gerard P. Grenier supporting public availability of Perumana ("Grenier-Perumana Decl.")
1030	Declaration of Gerard P. Grenier supporting public availability of Youssef ("Grenier-Youssef Decl.")
1031	RESERVED
1032	RESERVED
1033	RESERVED
1034	RESERVED
1035	RESERVED

<b>Exhibit</b>	<b>Description</b>
1036	Inv. No. 337-TA-1093 Order No. 38: Construing Certain Terms of the Asserted Claims of the Patents at Issue ( <i>Markman</i> Claim Construction), August 28, 2018, Public Version, pgs. cover, 1-19, App'x A 1, 3-9, 11, 12, 14, 15, 17-20, 23-25, 27, 30-41, 43-46, Chart 2, Cert. of Service
1037	RESERVED
1038	Declaration Of Gregory H. Lantier In Support Of Motion For Admission <i>Pro Hac Vice</i>
1039	Second Declaration of Dr. Patrick Fay
1040	Transcript of Nov. 8, 2019 Deposition of Dr. Daniel Foty
1041	<i>Petitioner's Demonstrative Exhibits</i>

**CERTIFICATE OF SERVICE**

I hereby certify that on March 31, 2020, I caused a true and correct copy of the foregoing material:

- Petitioner's Updated Exhibit List
- Exhibit INTEL 1041

to be served via electronic mail, as previously agreed by the parties, on the following attorneys of record:

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Dated: March 31, 2020