DOCKET NO.: 0107131-00564US4
Filed on behalf of Intel Corporation
By: David L. Cavanaugh, Reg. No. 36,476
Richard Goldenberg, Reg. No. 38,895
Wilmer Cutler Pickering Hale and Dorr LLP
60 State Street
Boston, Massachusetts 02109
Email: david.cavanaugh@wilmerhale.com
richard.goldenberg@wilmerhale.com

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

Intel Corporation
Petitioner

v.

Qualcomm Incorporated
Patent Owner

Case IPR2018-01240

PETITIONER'S UPDATED TABLE OF EXHIBITS

Table of Exhibits for U.S. Patent 8,698,558 Petition for *Inter Partes* Review

Exhibit	Description
1301	U.S. Patent No. 8,698,558
1302	File History for U.S. Patent No. 8,698,558
1303	Declaration of Dr. Alyssa B. Apsel
1304	Chu, W.Y. et al., "*A 10 MHz Bandwidth, 2 mV Ripple PA Regulator for CDMA Transmitters*," IEEE Journal of Solid-State Circuits 2809-2819 (2008) ("Chu")
1305	Declaration of IEEE regarding Chu, Kwak, Kim, and Blanken ("IEEE Chu Decl.")
1306	Choi, J. et al., "*Envelope Tracking Power Amplifier Robust to Battery Depletion,*" Microwave Symposium Digest (MTT), 2010 IEEE MTT-S International 1332-36 (2010) ("Choi 2010")
1307	Declaration of IEEE regarding Choi 2010 ("IEEE Choi Decl.")
1308	Declaration of Debabani Choudhury ("Choudhury Decl.")
1309	Declaration of Jinsung Choi ("Choi Decl.") (*CORRECTED; Filed July 2, 2018*)
1310	Blanken, P.G. et al., "*A 50MHz Bandwidth Multi-Mode PA Supply Modulator for GSM, EDGE and UMTS Application*," 2008 Radio Frequency Integrated Circuits Symposium (IEEE) 401-04 (2008) ("Blanken")
1311	Kwak, T.W. et al., "*A 2 W CMOS Hybrid Switching Amplitude Modulator for EDGE Polar Transmitters*," IEEE Journal of Solid-State Circuits 2666-76 (2007) ("Kwak")
1312	U.S. Patent No. 5,929,702, "Method and Apparatus for High Efficiency High Dynamic Range Power Amplification," to Myers et al. ("Myers")
1313	Kim, D. et al., "*High Efficiency and Wideband Envelope Tracking Power Amplifier with Sweet Spot Tracking*," Radio Frequency Integrated Circuits Symposium (RFIC): 255-258 (2010) ("Kim")

1314	U.S. Patent No. 6,300,826, "Apparatus and Method for Efficiently Amplifying Wideband Envelope Signals" (filed May 5, 2000) ("Mathe '826")
1315	Maxim Integrated Products, Inc., *MAX9738 –16VP-P Class G Amplifier with Inverting Boost Converter*, Datasheet 19-3700, Rev. 0 (March 2008) ("Maxim")
1316	Ertl, H. et al., "*Basic Considerations and Topologies of Switched-Mode Assisted Linear Power Amplifiers*," IEEE Transactions on industrial electronics 44.1 (1997): 116-123 ("Ertl")
1317	Kang, D. et al., "*A Multimode/Multiband Power Amplifier With a Boosted Supply Modulator*," IEEE Transactions on Microwave Theory and Techniques 58.10 (2010): 2598-2608 ("Kang")
1318	U.S. Patent No. 5,834,977, "Amplifying Circuit with Power Supply Switching Circuit" (filed October 30, 1996 and issued November 10, 1998) ("Maehara")
1319	U.S. Patent No. 5,870,340, "Multiplexer" (filed July 8, 1997 and issued February 9, 1999) ("Ohsawa")
1320	U.S. Patent No. 6,566,935, "Power Supply Circuit With a Voltage Selector" (filed August 28, 2000 and issued May 20, 2003) ("Renous")
1321	Certificate of Correction for U.S. Patent No. 8,698,558 ("558 COC")
1322	Qualcomm Incorporated's Initial Claim Construction Brief, *Certain Mobile Electronic Devices and Radio Frequency and Processing Components Thereof*, Investigation No. 337-TA-1065 ("Qualcomm CC Brief")
1323	Order No. 28: Construing Terms of the Asserted Patents, *Certain Mobile Electronic Devices and Radio Frequency and Processing Components Thereof*, Investigation No. 337-TA-1065 ("Markman Order")
1324	Excerpts from Erickson et al., Fundamentals of Power Electronics, Second Edition (Kluwer Academic Publisher) (2001) ("Erickson")
1325	Hanington, Gary. et al., "*High-Efficiency Power Amplifier Using Dynamic Power-Supply Voltage for CDMA Applications*," IEEE

	Transactions on Microwave Theory and Techniques 47:8 (1999) ("Hanington")

CERTIFICATE OF SERVICE

I hereby certify that on July 2, 2018, I caused a true and correct copy of the foregoing materials:

- Updated Table of Exhibits for Petition for *Inter Partes* Review of U.S. Patent No. 8,698,558
- Corrected Exhibit 1309

to be served via Express Mail on the following attorney of record as listed on PAIR:

Alan M. Lenkin
2029 Century Park East
Suite 3500
Los Angeles, CA 90067-3021

/Scott Bertulli/_
Scott Bertulli
Registration No. 75,886