



Google LLC  
1600 Amphitheatre Parkway  
Mountain View, CA 94043  
650 253-0000 main  
Google.com

Federal Communications Commission  
7435 Oakland Mills Road  
Columbia MD 21046

Nov. 22nd, 2023

**Subject: Declaration - MIF for HAC RF Interference Evaluation**  
**FCC ID: A4RG576D**

To Whom It May Concern:

Google LLC hereby declares that the MIF values detailed below are based on worst-case operating modes for all air interfaces for which the HAC is provided based on the current methodology for determining MIF values.

UID	Communication System Name	MIF(dB)
10021	GSM-FDD(TDMA,GMSK)	3.63
10025	EDGE-FDD (TDMA, 8PSK, TN 0)	3.75
10460	UMTS-FDD(WCDMA, AMR)	-25.43
10225	UMTS-FDD (HSPA+)	-20.39
10170	LTE-FDD(SC-FDMA,1RB,20MHz,16-QAM)	-9.76
10173	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	-1.44
10769	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	-12.08
10797	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	-14.32
10900	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	-16.68
10932	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	-15.06
10061	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	-2.02
10077	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	0.12
10427	IEEE 802.11n (HT Greeneld, 150 Mbps, 64-QAM)	-13.44
10069	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	-3.15
10616	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	-5.57
10671	IEEE 802.11ax (20MHz, MCS0, 90pc duty cycle)	-5.58

Sincerely yours,

A handwritten signature in cursive script that reads "Simon Chang". The signature is written in a dark ink and is positioned above a horizontal line.

---

Simon Chang  
Technical Program Manager, Radio Frequency Compliance  
Google LLC  
1600 Amphitheatre Parkway  
Mountain View, CA 94043 USA