



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

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**Subject: Declaration - MIF for HAC RF Interference Evaluation**  
**FCC ID: A4RGZC4K**

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
10023	GPRS-FDD (TDMA, GMSK, TN 0)	3.80
10024	GPRS-FDD (TDMA, GMSK, TN 0-1)	1.15
10027	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	-0.67
10028	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	-2.05
10011	UMTS-FDD (WCDMA)	-27.23
10225	UMTS-FDD (HSPA+)	-20.39
10170	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16QAM)	-9.76
10182	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16QAM)	-9.76
10176	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16QAM)	-9.76
10173	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16QAM)	-1.44
10235	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16QAM)	-1.44
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
10069	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	-3.15
10317	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	-9.82
10591	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	-5.59
10636	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	-5.56
10671	IEEE 802.11ax/be (20MHz, MCS0, 90pc duty cycle)	-5.58
10797	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	-14.32
10803	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	-14.38
10866	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	-16.69
10898	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	-16.68
10903	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	-16.68
10929	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	-15.06
10930	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	-15.06
10931	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	-15.06
10932	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	-15.06
10933	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	-15.06
10934	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	-15.07
10935	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	-15.07

Sincerely yours,

Sheng Shen  
RF Compliance Technical Program Manager  
Email: hw-reg-inquiry@google.com  
Google LLC  
1600 Amphitheatre Parkway  
Mountain View, CA 94043