

Date: July 9, 2018

Federal Communications Commission
Office of Engineering and Technology Laboratory Division
7435 Oakland Mills Rd.
Columbia MD 21046

Attn: Office of Engineering and Technology

HAC Attestation - FCC ID: 2AOYWH1A1000

To whom it may concern:

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

Reference Test report Number(s): SRTC test report No.SRTC2018-9004(F)-18030601(J)

SPEAG test files		
UID	Communication system name	MIF(dB)
10021	GSM-FDD(TDMA,GMSK)	3.63
10011	UMTS-FDD (WCDMA)	-27.23
10170	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	-9.76
10182	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	-9.76
10176	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	-9.76
10172	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	-1.62
10173	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	-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
10591	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	-5.61
10599	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	-5.59
10069	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	-3.15
10607	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	-5.60
10616	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	-5.57
10626	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	-5.64

Sincerely,

2018-07-18

