



Date: Jul 16, 2024

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: A3LSMS721U

To whom it may concern:

Samsung Electronics Co. Ltd., hereby declares that the MIF values detailed below are based on worst case operating modes for all air interfaces for which the HAC compliance is provided based on the current methodology for determining MIF values.

SPEAG test files

UID	Communication System Name	MIF (dB)
10021-DAC	GSM-FDD (TDMA, GMSK)	3.63
10460-AAB	UMTS-FDD (WCDMA,AMR)	-25.43
10170-CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16QAM)	-9.76
10182-CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16QAM)	-9.76
10176-CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16QAM)	-9.76
10235-CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16QAM)	-1.44
10173-CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16QAM)	-1.44
10030-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	1.02
10061-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	-2.02
10077-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	0.12
10069-CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	-3.15
10591-AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc)	-5.59
10607-AAC	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc dc)	-5.60
10616-AAC	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc dc)	-5.57
10626-AAC	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc dc)	-5.64
10636-AAD	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	-5.56
10671-AAC	IEEE 802.11ax WiFi (20MHz, MCS0, 90pc dc)	-5.58
10695-AAC	IEEE 802.11ax WiFi (40MHz, MCS0, 90pc dc)	-6.01
10719-AAC	IEEE 802.11ax WiFi (80MHz, MCS0, 90pc dc)	-6.04
10743-AAC	IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle)	-6.60
10929-AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	-15.06
10930-AAC	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	-15.06
10931-AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	-15.06
10934-AAC	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	-15.07
10973-AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	-1.64

Sincerely,



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