

Declaration - MIF for HAC RF Interference Evaluation

To whom it may concern:

This device, with FCC ID: **2AXZAS03GR01**, Hearing Aid Compatibility Requirement is going to be certified under ANSI C63.19 2011 version per Part 20.19.


For Radio Frequency Interference, Speag's Audio Interference Analyzer (AIA) or other indirect or direct measurement was not used to determine the M rating.

The M rating was determined by measuring the maximum steady state average E-field values in dB (V/m) or average antenna input power as documented in HAC test report exhibit, and adding the MIF value in dB. The MIF values below for the worst-case operation mode for all air interfaces are pre-determined values provided by Speag.

UID	Reversion	Communication System Name	MIF (dB)
10021	DAC	GSM-FDD (TDMA, GMSK)	3.63
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	3.75
10460	AAB	UMTS-FDD (WCDMA, AMR)	-25.43
10225	CAC	UMTS-FDD (HSPA+)	-20.39
10170	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	-9.76
10173	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	-1.44
10769	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	-12.08
10797	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	-14.32
10933	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	-15.06
10897	AAE	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	-16.67
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
10427	AAC	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	-13.44
10069	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	-3.15
10616	AAC	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	-5.57
10671	AAC	IEEE 802.11ax (20MHz, MCS0, 90pc duty cycle)	-5.58

We confirmed that the Speag simulation provided represents all the air interface modes applicable for a HAC rating for this handset.

Sincerely,

Signature: 
 Contact Person / Title: **Roelf Wessels**
 Tel.: **+4962944224195**
 E-mail: rwessels@de.pepperl-fuchs.com
 Date: **2023/11/27**

