

November 16, 2021

## Declaration – MIF for HAC RF Interference Evaluation

To Whom It May Concern,

This device, with FCC ID: 2ACCJH155, Hearing Aid Compatibility Requirement is going to be certified under ANSI C63.19-2011 version per Part 20.19.

The M rating was determined by measuring the maximum steady state average E-field values in dB (V/m) as documented in the HAC report and adding the MIF value in dB (V/m) using pre-determined values provided by Speag under the below table:

Typical MIF levels in ANSI C63.19-2011	
Transmission protocol	Modulation interference factor
GSM-FDD (TDMA, GMSK)	+3.63 dB
EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	-1.82dB
UMTS-FDD(WCDMA, AMR)	-25.43dB
UMTS-FDD (HSPA)	-20.75dB
LTE-FDD (SC-FDMA, 1RB, 20MHz, QPSK)	-15.63 dB
LTE-FDD (SC-FDMA, 1RB, 20MHz, 16QAM)	-9.76 dB
LTE-FDD (SC-FDMA, 1RB, 20MHz, 64QAM)	-9.93 dB
LTE-TDD (SC-FDMA, 1RB, 20MHz, QPSK)	-1.62 dB
LTE-TDD (SC-FDMA, 1RB, 20MHz, 16QAM)	-1.44 dB
LTE-TDD (SC-FDMA, 1RB, 20MHz, 64QAM)	-1.54 dB
LTE-TDD(SC-FDMA,1RB,20MHz,QPSK,UL Subframe=2,3,4,7,8,9)	-3.41 dB
LTE-TDD(SC-FDMA,1RB,20MHz,16QAM,UL Subframe=2,3,4,7,8,9)	-3.17 dB
LTE-TDD(SC-FDMA,1RB,20MHz,64QAM,UL Subframe=2,3,4,7,8,9)	-3 31 dB
IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	-5.90 dB
IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	-5.17 dB
IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	-3.37 dB
IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	-2.02 dB



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-0.36dB
-15.80 dB
-5.82 dB
-12.23dB
-15.06dB
-12.18dB
-12.26dB
-12.08dB
-12.20dB
-14.39dB
-14.47dB
-14.33dB
-14.46dB
-14.35dB
-14.32dB
-14.32dB
-14.55dB
-14.45dB
-14.47dB
-14.43dB
-14.38dB
-15.06dB
-15.06dB
-15.06dB
-15.06dB

The Speag-reference documentation for supporting the pre-determined MIF value is Schmid &Partner Engineering AG, UID SUMMARY (Communication Systems for C alibration, Issued Date 07/03/2018).

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

Sincerely Yours.

Signature:

Product Certification Manager/ TCL Communication Ltd.

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