

# Joyous LLC

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Date: April 17, 2014

FCC, Authorization and Evaluation Division  
7435 Oakland Mills Road  
Columbia, Maryland 21046-1609

Declaration - MIF for HAC RF Interference Evaluation

Dear Sir/Madam:

This device, with FCC ID: ZWH-1210 and Model SD4930UR, Hearing Aid Compatibility Requirement is going to be certified under ANSI C63.19 2011 version per Part 20.19.

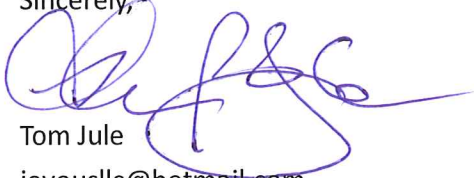
For Radio Frequency Interference, Speag's Audio Interference Analyzer (AIA) or other indirect or direct measurement was not used to determine the M rating.

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	Communication System Name	MIF(dB)
10021	GSM-FDD(TDMA,GMSK)	3.63
10011	UMTS-FDD(WCDMA)	-27.23
10169	LTE-FDD(SC-FDMA,1RB,20MHz,QPSK)	-15.63
10170	LTE-FDD(SC-FDMA,1RB,20MHz,16-QAM)	-9.76
10175	LTE-FDD(SC-FDMA,1RB,10MHz,QPSK)	-15.63
10176	LTE-FDD(SC-FDMA,1RB,10MHz,16-QAM)	-9.76
10177	LTE-FDD(SC-FDMA,1RB,5MHz,QPSK)	-15.63
10178	LTE-FDD(SC-FDMA,1RB,5MHz,16-QAM)	-9.76
10181	LTE-FDD(SC-FDMA,1RB,15MHz,QPSK)	-15.63
10182	LTE-FDD(SC-FDMA,1RB,15MHz,16-QAM)	-9.76
10184	LTE-FDD(SC-FDMA,1RB,3MHz,QPSK)	-15.62
10185	LTE-FDD(SC-FDMA,1RB,3MHz,16-QAM)	-9.76
10187	LTE-FDD(SC-FDMA,1RB,1.4MHz,QPSK)	-15.62
10188	LTE-FDD(SC-FDMA,1RB,1.4MHz,16-QAM)	-9.76

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

Sincerely,



Tom Jule

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