

# Motorola Mobility LLC

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## Declaration - MIF for HAC RF Interference Evaluation

To whom it may concern:

This device, with FCC ID: **IHDT56AN1**, **FCC ID: IHDT56AN2** Hearing Aid Compatibility Requirement is going to be certified under ANSI C63.19 2011 version per Part 20.19.

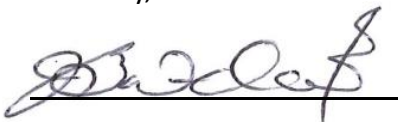
For Radio Frequency Interference, Speag's Audio Interference Analyzer (AIA) or other indirect or direct measurement was not used to determine the M rating.

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    |
| 10025 | EDGE-FDD (TDMA, 8PSK, TN 0)                       | 3.75    |
| 10460 | UMTS-FDD(WCDMA, AMR)                              | -25.43  |
| 10225 | UMTS-FDD (HSPA+)                                  | -20.39  |
| 10170 | LTE-FDD(SC-FDMA,1RB,20MHz,16-QAM)                 | -9.76   |
| 10173 | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)           | -1.44   |
| 10769 | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)       | -12.08  |
| 10973 | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)   | -1.64   |
| 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    |
| 10427 | IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)    | -13.44  |
| 10069 | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)         | -3.15   |
| 10616 | IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle) | -5.57   |
| 10671 | 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,



Jeff Narducci

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