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Federal Communications Commission  
7435 Oakland Mills Road  
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June 20, 2023

**Subject: Declaration - MIF for HAC RF Interference Evaluation**  
**FCC ID: A4RGC3VE**

To Whom It May Concern:

Google LLC hereby declares that the MIF values detailed below are based on worst-case operating modes for all air interfaces for which the HAC M rating is provided based on the current methodology for determining MIF values.

| 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  |
| 10797 | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)       | -14.32  |
| 10900 | 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)    | -16.68  |
| 10932 | 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)    | -15.06  |
| 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   |
| 11026 | IEEE 802.11be (320MHz, MCS0, 99pc duty cycle)     | -28.73  |

Sincerely yours,



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