

6. Safety Human exposure

6.1 Radio Frequency Exposure Compliance

6.1.1 Electromagnetic Fields

RESULT:**Passed**

Test standard : FCC KDB Publication 447498 D01 v06
47CFR 1.1310
47CFR 2.1091
RSS-102 issue 5, Table 1

FCC:

Therefore the maximum output power of the transmitter is $7.4\text{mW} < 16\text{mW}$ (Distance: 5 mm), hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01: Mobile Portable RF Exposure.

Canada:**External antenna(ANT-916-CW-QW-SMA)**

Maximum conducted peak power: 7.4 mW
Antenna Gain: 1.8 dbi
Maximum EIRP available 11.2 mW

Since maximum output power of the transmitter is $11.2\text{mW} < 16\text{mW}$ (distance $\leq 5\text{ mm}$), hence the EUT is excluded from SAR evaluation according to Table 1 in RSS-102

External antenna(W1910)

Maximum conducted peak power: 7.4 mW
Antenna Gain: 1.0 dbi
Maximum EIRP available 9.3 mW

Since maximum output power of the transmitter is $9.3\text{mW} < 16\text{mW}$ (distance $\leq 5\text{ mm}$), hence the EUT is excluded from SAR evaluation according to Table 1 in RSS-102

Chip antenna

Maximum conducted peak power: 7.4 mW
Antenna Gain: 2 dbi
Maximum EIRP available 11.7 mW

Since maximum output power of the transmitter is $11.7\text{mW} < 16\text{mW}$ (distance $\leq 5\text{ mm}$), hence the EUT is excluded from SAR evaluation according to Table 1 in RSS-102

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