

6. Safety Human exposure

6.1 Radio Frequency Exposure Compliance

6.1.1 Electromagnetic Fields

RESULT: **Passed**

Test standard : FCC KDB Publication 447498 D01
RSS-102 issue 5, Table 4

FCC:

Since the maximum output power of the transmitter is 59.02 mW < 63 mW (Distance: 20 mm), hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01: Mobile Portable RF Exposure.

ISED:

Maximum conducted average power: 59.02 mW
Antenna Gain: 2 dBi
Maximum EIRP available 93.54 mW

Since maximum output power of the transmitter is 93.54 mW < 95.72 mW (distance ≤ 35 mm), hence the EUT is excluded from SAR evaluation according to Table 1 in RSS-102. For limb-worn devices where the 10 gram value applies, the exemption limits for routine evaluation in Table 1 of RSS-102 are multiplied by a factor of 2.5.

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