

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 1

FCC:

Since maximum peak output power of the transmitter is $0.1245 \text{ mW} < 10\text{mW}$, hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498: Mobile Portable RF Exposure

Canada:

Maximum conducted peak power: 0.1245 mW

Antenna Gain: 1.98 dBi -> x 1.58

Maximum EIRP available 0.1963 mW

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Maximum Power available: 0.1963 mW
(higher of EIRP or conducted)

Since maximum output power of the transmitter is $0.1963 \text{ mW} < 4\text{mW}$ at 5mm, hence the EUT is excluded from SAR evaluation according to Table 1 in RSS-102