

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 $3.3651\text{mW} < 10\text{mW}$, hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498: Mobile Portable RF Exposure

Canada:

Maximum conducted peak power: 3.3651mW

Antenna Gain: 2.459dbi -> 1.76157

Maximum EIRP available 5.927 mW

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Maximum Power available: 5.927 mW
(higher of EIRP or conducted)

Since maximum output power of the transmitter is $5.927\text{mW} < 7\text{mW}$, hence the EUT is excluded from SAR evaluation according to Table 1 in RSS-102

The enclosure outer surface has minimum 10mm distance to the RF antenna.
So it's guaranteed that distance between the RF antenna and the human body is more than 10mm.