

6. Safety Human exposure

6.1 Radio Frequency Exposure Compliance

6.1.1 Electromagnetic Fields

RESULT:**Passed**

Test standard : FCC KDB Publication 447498 D01 v05
RSS-102 issue 5, Table 4

The EUT will maintain a 20 cm distance to all persons.

Maximum Exposure FCC:

Power to Antenna (mW)	953 mW
Power to Antenna (dBm)	29.8 dBm
Antenna Gain	4.1 dBi
Power+Ant Gain	2449.6 mW
Distance	20 cm
S=	0.487 mW/cm ²

Limit FCC: 0.61 mW/cm²

FCC:

0.3-1.34 MHz	(100) mW/cm ²
1.34-30 MHz	(180/f ²) mW/cm ²
30-300 MHz	0.2 mW/cm ²
300-1500 MHz f/1500	mW/cm ²
1500-100,000 MHz	1.0 mW/cm ²

Maximum Exposure Canada:

Power to Antenna (mW)	953 mW
Power to Antenna (dBm)	29.8 dBm
Antenna Gain	4.1 dBi
Power+Ant Gain	2449.6 mW
Distance	28 cm
S=	0.249 mW/cm ²

Limit Canada: 0.274 mW/cm²Canada:

10-20 MHz	0.2 mW/cm ²
20-48 MHz	$(0.8944/f^{0.5})$ mW/cm ²
48-300 MHz	0.129 mW/cm ²
300-6000 MHz	$(0.002619*f^{0.6834})$ mW/cm ²
6000-15000MHz	1.0 mW/cm ²