

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
 RSS--102

Separation distance is more than 20 cm, thus mobile device exposure limits can be applied

Maximum Exposure:

Power to Antenna (mW)	31 mW
Power to Antenna (dBm)	14.9 dBm
Antenna Gain	5.7 dBi
Power+Ant Gain	115.2 mW
Distance	20 cm
S=	0.023 mW/cm ²

Limit FCC:

0.3-1.34 MHz (100) mW/cm²
 1.34-30 MHz (180/f²) mW/cm²
 30-300 MHz 0.2 mW/cm²
 300-1500 MHz f/1500 mW/cm²
1500-100,000 MHz 1.0 mW/cm²

Limit Canada: $0.02619f^{0.6834}$

8W/m² @ 5 GHz

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