

1. Safety Human exposure

1.1 Radio Frequency Exposure Compliance

1.1.1 Electromagnetic Fields

RESULT:
Passed

Test standard : FCC KDB Publication 447498 10 D01v05

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

Maximum Exposure:

Power to Antenna (mW)	47 mW
Power to Antenna (dBm)	16.7 dBm
Antenna Gain	-7 dBi
Power+Ant Gain	9.4 mW
Distance	20 cm
S=	0.002 mW/cm ²

Limit 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/cm²

Limit Canada: $0.02619f^{0.6834}$
8W/m² @ 5 GHz

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