

6. Safety Human Exposure

6.1 RF Exposure Compliance

RESULT:**Passed**

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

Maximum Exposure:

Power to Antenna (mW)	7.4 mW
Power to Antenna (dBm)	8.7 dBm
Antenna Gain	0.44 dBi
Power+Ant Gain	8.2 mW
Distance	20 cm
S=	0.002 mW/cm ²

Limit FCC: 0.61 mW/cm²

Limit Canada: 1.37W

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

Canada:

At or above 300 MHz and below 6 GHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than $1.31 \times 10^{-2} f^{0.6834}$ W (adjusted for tune-up tolerance), where f is in MHz

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