

## 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 <sup>2</sup>

Limit FCC: 0.61 mW/cm<sup>2</sup>

Limit Canada: 1.37W

**FCC:**

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

**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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