

## 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

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

**Maximum Exposure:**

Power to Antenna (mW)	42.953 mW
Power to Antenna (dBm)	16.3 dBm
Antenna Gain	2.85 dBi
Power+Ant Gain	82.8 mW
Distance	20 cm
S=	0.016 mW/cm <sup>2</sup>

**Limit 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>
<b>1500-100,000 MHz</b>	<b>1.0 mW/cm<sup>2</sup></b>

**Limit Canada:**  $0.02619f^{0.6834}$ 
**8W/m<sup>2</sup> @ 5 GHz**

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