

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

**Limit Canada:**  $0.02619f^{0.6834}$

**8W/m<sup>2</sup> @ 5 GHz**

---End---