

## 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  
 RSS-102 issue 5, Table 4

The EUT will maintain a 20 cm distance to all persons.

**Maximum Exposure FCC:**

Power to Antenna (mW)	953 mW
Power to Antenna (dBm)	29.8 dBm
Antenna Gain	4.1 dBi
Power+Ant Gain	2449.6 mW
Distance	20 cm
S=	0.487 mW/cm <sup>2</sup>

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

**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>

**Maximum Exposure Canada:**

Power to Antenna (mW)	953 mW
Power to Antenna (dBm)	29.8 dBm
Antenna Gain	4.1 dBi
Power+Ant Gain	2449.6 mW
Distance	28 cm
S=	0.249 mW/cm <sup>2</sup>

Limit Canada: 0.274 mW/cm<sup>2</sup>

Canada:  
 10-20 MHz 0.2 mW/cm<sup>2</sup>  
 20-48 MHz (0.8944/f<sup>0.5</sup>) mW/cm<sup>2</sup>  
 48-300 MHz 0.129 mW/cm<sup>2</sup>  
 300-6000 MHz (0.002619\*f<sup>0.6834</sup>) mW/cm<sup>2</sup>  
 6000-15000MHz 1.0 mW/cm<sup>2</sup>