

## 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 issue 5, Table 1

FCC:

Since maximum peak output power of the transmitter is  $5.7 \text{ mW} < 10 \text{ mW}$ , hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01 v05: Mobile Portable RF Exposure

Canada:

The equipment is mains-power supplied, thus it is not feasible to use it as portable equipment. In normal use, the Antenna has a minimum separation from the front side of the equipment of 10mm. Thus the applicable SAR testing exclusion limit is 7mW.

Maximum conducted Average power: 4.4 mW

Antenna Gain: -1.85 dBi -> x 0.653

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Maximum EIRP available: 2.8732 mW

Since maximum output power, either EIRP or conducted, of the transmitter  $4.4 \text{ mW} < 7 \text{ mW}$ , hence the EUT is excluded from SAR evaluation according to Table 1 in RSS-102.