

## 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  
47CFR 1.1310  
47CFR 2.1091  
RSS-102 issue 5  
LP0002(2018) 5.20.2.2

**FCC:**

Class1 mode:

Therefore the maximum output power of the transmitter is 11.04mW < 38mW(Distance: 20 mm), hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01: Mobile Portable RF Exposure.

Class2 mode:

Therefore the maximum output power of the transmitter is 1.42mW < 38mW(Distance: 20 mm), hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01: Mobile Portable RF Exposure.

**Canada:**

Class 1 mode:

Maximum conducted peak power: 11.04 mW  
Antenna Gain: 3.5 dbi  
Maximum EIRP available 24.7 mW

Since maximum output power of the transmitter is 24.7mW <30mW (distance ≤20 mm ), hence the EUT is excluded from SAR evaluation according to Table 1 in RSS-102, For limb-worn devices where the 10 gram value applies, the exemption limits for routine evaluation in Table 1 of RSS-102 are multiplied by a factor of 2.5.

Class 2 mode:

Maximum conducted peak power: 1.42 mW  
Antenna Gain: 3.5 dbi  
Maximum EIRP available 3.2 mW

Since maximum output power of the transmitter is 3.2mW <30mW (distance ≤20 mm ), hence the EUT is excluded from SAR evaluation according to Table 1 in RSS-102, For limb-worn devices where the 10 gram value applies, the exemption limits for routine evaluation in Table 1 of RSS-102 are multiplied by a factor of 2.5.

**---End---**