

## 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

**FCC:****Left Ear:**

Therefore the maximum output power of the transmitter is  $2.54\text{mW} < 10\text{mW}$  (Distance: 5mm), hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01: Mobile Portable RF Exposure.

**Right Ear:**

Therefore the maximum output power of the transmitter is  $2.03\text{mW} < 10\text{mW}$  (Distance: 5mm), hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01: Mobile Portable RF Exposure.

**Canada:****Left Ear:**

Maximum conducted peak power: 2.54 mW  
Antenna Gain: 1.2 dbi  
Maximum EIRP available 3.35 mW

Since maximum output power of the transmitter is  $3.35\text{mW} < 4\text{mW}$  (distance  $\leq 5\text{ mm}$ ), 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.

**Right Ear:**

Maximum conducted peak power: 2.03 mW  
Antenna Gain: 1.2 dbi  
Maximum EIRP available 2.68 mW

Since maximum output power of the transmitter is  $2.68\text{mW} < 4\text{mW}$  (distance  $\leq 5\text{ mm}$ ), 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---**