

## 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 2.85 mW < 10mW, hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01 v05: Mobile Portable RF Exposure

Canada:

Since maximum peak output power of the transmitter is 2.85 mW < 4mW, hence the EUT is excluded from SAR evaluation according to Table 1 in RSS-102

Mode	Frequency MHz	Output Power dBm	Output Power mW	RSS-102 Limit mW	Result
BLE	2408	4.13	2.85	4	Pass
	2440	4.40	2.85	4	Pass
	2474	4.55	2.85	4	Pass

Note: The best case gain of the antenna is -1.1 dBi.

Tx frequency range: 2402~2480MHz

Device category: Portable device (Distance: 5mm)

Conducted Output Power: 4.55 dBm Maximum

Conducted Output Power: 2.85 mW Limit: 4mW

Source-based time-averaged Conducted output power is 2.85mW < 4mW

Conclusion: RF Exposure evaluation is not required.