

## **FCC §15.407 (f) & §2.1093 – RF EXPOSURE**

### **Applicable Standard**

According to FCC §2.1093 and §1.1307(b) (1), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

According to KDB 447498 D01 General RF Exposure Guidance v05

### **Result**

According to FCC KDB 447498 D01 General RF Exposure Guidance v05 generic portable criteria

The distance between antenna and test point is 5 mm.

The max conducted output power is 5.66 dBm (3.681 mW) for band: 5725-5825 MHz and 5.58 dBm (3.614 mW) for band: 5150-5250 MHz.

The antenna gain is 0 dBi.

So the max output power (EIRP) is 5.66 dBm (3.681 mW) for band: 5725-5825 MHz and 5.58 dBm (3.614 mW) for band: 5150-5250 MHz.

According to the Appendix A of KDB 447498, the exclusion thresholds for 5200 MHz is 7 mW and for 5800 MHz is 6 mW.

### **Conclusion:**

The time-averaged output power is 3.681mW < the exclusion thresholds 6 mW for band 5725-5825 MHz, and 3.614mW < the exclusion thresholds 7 mW for band 5150-5250 MHz, so stand-alone SAR evaluation is not required.