

6 RF Exposure for Portable Device

6.1 RF Exposure Evaluation - FCC Part 15.247(i)

Systems operating under these provisions shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess of the Commission's guidelines.

6.1.1 SAR Test Exclusion Threshold

FCC KDB # 447498 DO1 v05r02 - Mobile and Portable Device RF Exposure and Procedures and Equipment Authorization Policies, Appendix A shows that a device is exempt from SAR testing if the output power is less than **10mW** with a 5mm separation at 2450 MHz.

The maximum output power is 7.05 dBm

The maximum measured Gain of the antenna is -1.3 dBi or 0.74 (Linear scale).

The Maximum EIRP output power is 7.05 dBm + -1.3 dBi = 5.75 dBm or **3.75 mW**.

The EUT is exempt from SAR Testing.

6.2 RF Exposure Evaluation - RSS-102, Issue 4

6.2.1 RF Exposure Limit

RSS-102, Issue 4 section 2.5.1 states that a device is exempt from routine SAR Evaluation if: above 2.2 GHz and up to 3 GHz inclusively, and with output power is less than 20 mW for general public use.

The maximum output power is 7.05 dBm

The maximum measured Gain of the antenna is -1.3 dBi or 0.74 (Linear scale).

The Maximum EIRP output power is 7.05 dBm + -1.3 dBi = 5.75 dBm or **3.75 mW**.

The EUT is exempt from SAR Testing.

6.3 EUT Operating condition

The software provided by Manufacturer enabled the EUT to transmit data at lowest, middle and highest channel individually.

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