
FCC §15.247 (i) & §1.1307 (b) (1) & §2.1093- RF EXPOSURE

Applicable Standard

According to §15.247(e)(i) 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 Mobile Portable RF Exposure V05 Appendix A, SAR can be exempted if the output power is less than the SAR exclusion threshold:

For $f=5800\text{MHz}$, the output power is less 6mW at distance of 5mm.

Measurement Result

Peak conducted output power= 7.17 dBm

Antenna gain = 3.0 dBi

SAR exclusion threshold 6 mW (7.78 dBm) > 7.17 dBm

So the SAR evaluation is not necessary.