

FCC§15.247 (i), §1.1307 (b) – RF EXPOSURE

Applicable Standard

According to §1.1307(b), 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 D04 Interim General RF Exposure Guidance v01, clause 2.1.3.1-SAR-Based Exemption:

A more comprehensive exemption, considering a variable power threshold that depends on both the separation distance and power, is provided in § 1.1307(b)(3)(i)(B). This exemption is applicable to the frequency range between 300 MHz and 6 GHz, with test separation distances between 0.5 cm and 40 cm, and for all RF sources in fixed, mobile, and portable device exposure conditions.

Accordingly, a RF source is considered an RF exempt device if its available maximum time-averaged (matched conducted) power or its effective radiated power (ERP), whichever is greater, are below a specified threshold. This exemption threshold was derived based on general population 1-g SAR requirements and is detailed in Appendix C.

Test Result

Worst case for this handheld device:

Mode	Frequency	Maximum Tune-up Average Conducted Power	Antenna Gain		ERP	ERP _{20cm}	Distance	SAR-Based Exclusion Threshold (For 10-g extremity SAR)		SAR-Based Exclusion
	(MHz)	(dBm)	(dBi)	(dBd)	(dBm)	(mW)	(mm)	(mW)	(dBm)	
2.4G Wi-Fi	2412-2462	8.0	1.82	-0.33	7.67	3060	5	6.83	8.34	Yes

Note 1: The tune-up power was declared by the applicant.

Note 2: 0dBd=2.15dBi.

Result: Compliant.