

## 5. RF EXPOSURE EVALUATION

### 5.1 Applicable Standard

FCC §15.247 (i)

Systems operating under the provisions of this section 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. See §1.1307(b)(1) of this chapter.

### 5.2 Procedure

According to 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)(ii)(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.

### 5.3 Measurement Result

Frequency (MHz)	EPR <sub>20cm</sub>	Distance (cm)	SAR-Based Exemption Threshold		Conducted output power including Tune-up Tolerance (dBm)	Antenna Gain (dBi)	ERP (dBm)	SAR- Based Exemption
			(mW)	(dBm)				
2402-2480	3060	0.5	2.717	4.34	3.0	-0.58	0.27	Compliant

**Result: Compliant.** RF Exposure is exemption.

===== END OF REPORT =====