

FCC §1.1307 – RF EXPOSURE EVALUATION

Applicable Standard

According to §1.1307(b)(3)(i), 447498 D04 Interim General RF Exposure Guidance v01

1-mW Test Exemption

Per § 1.1307(b)(3)(i)(A), a single RF source is exempt RF device (from the requirement to show data demonstrating compliance to RF exposure limits, as previously mentioned) if the available maximum time-averaged power is no more than 1 mW, regardless of separation distance. This exemption applies to all operating configurations and exposure conditions, for the frequency range 100 kHz to 100 GHz, regardless of fixed, mobile, or portable device exposure conditions. This is a standalone exemption, and it cannot be applied in conjunction with any other test exemption.

RF EXPOSURE EVALUATION

Frequency (MHz)	Maximum EIRP (dBm)	Maximum ERP		1-mW Test Exemption
		dBm	mW	
450.50	-14.71	-16.86	0.021	Compliant

Note:

1. The maximum power was chose to evaluate.
2. The device maximum fundamental E-field level is 80.49 dBμV/m @3m, so the EIRP is -14.71dBm.
3. $E[\text{dB}\mu\text{V}/\text{m}] = \text{EIRP}[\text{dBm}] + 95.2$, for $d = 3 \text{ m}$.
4. $\text{EIRP} = \text{ERP} + 2.15$

END OF REPORT