

## 5. RF EXPOSURE EVALUATION

### Applicable Standard

§1.1307(b)(3)(i) For single RF sources (*i.e.*, any single fixed RF source, mobile device, or portable device, as defined in paragraph (b)(2) of this section): A single RF source is exempt if:

(A) The available maximum time-averaged power is no more than 1 mW, regardless of separation distance. This exemption may not be used in conjunction with other exemption criteria other than those in paragraph (b)(3)(ii)(A) of this section. Medical implant devices may only use this exemption and that in paragraph (b)(3)(ii)(A);

### 5.2 Measurement Result

Frequency (MHz)	Maximum EIRP (dBm)	Maximum ERP		1-mW Test Exemption
		dBm	mW	
13.56	-27.80	-29.95	0.001	Compliant

Note:

1. Chose the maximum power to do MPE analysis.
2. This device maximum E-Field level is 67.40dB $\mu$ V/m at 3m, so the EIRP power is -27.80dBm.
3. EIRP (dBm)=Field Strength of Fundamental(dBuV/m)-95.2 for distance 3meters
4. ERP (dBm)= EIRP (dBm)-2.15

**Result: Compliant.**