

## 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<br>(MHz) | Maximum EIRP<br>(dBm) | Maximum ERP |        | 1-mW<br>Test Exemption |
|--------------------|-----------------------|-------------|--------|------------------------|
|                    |                       | dBm         | mW     |                        |
| 13.56              | -29.28                | -31.43      | 0.0007 | Compliant              |

Note:

1. Chose the maximum power to do MPE analysis.
2. This device maximum E-Field level is 65.92dB $\mu$ V/m at 3m, so the EIRP power is -29.28dBm.
3. EIRP (dBm)=Field Strength of Fundamental(dBuV/m)-95.2 for distance 3meters
4. ERP (dBm)= EIRP (dBm)-2.15

**Result: Compliant.**