



1601 North A.W. Grimes Blvd., Suite B
 Round Rock, TX 78665
 e-mail: info@ptitest.com
 (512) 244-3371 Fax: (512) 244-1846

1.0 Maximum Permissible Exposure Evaluation (Supplements the test report.)

The measured power is considered for the intended use of the device and resulting RF exposure to the user.

1.2 Criteria

| Section Reference | Date |
|---|------------|
| 447498 D01 General RF Exposure Guidance v06 | 8 Feb 2018 |

1.3 Procedure

Using measurement of peak power and considering the intended application, determine the permissible exposure level, applicability of exclusion, or whether additional exposure tests (SAR) are indicated. When applicable justify conclusion for selected exposure level and separation distance.

1.4 Power to Exposure Calculation

Power is determined by conducted measurement. SAR exemption method is applied for 5 mm spacing assuming possibility of the device being activated while being held and installed. General public/uncontrolled exposure assumed.

Table 1.4.1 Power Calculation for Exposure (Highest frequency 0.9185GHz)

| Measured Conducted Power dBm | Source Duty Cycle Factor dB | Antenna Gain dBi | Calculated EIRP dBm | EIRP In Linear Terms mW |
|------------------------------|-----------------------------|------------------|---------------------|-------------------------|
| 14.4 | -27.1 | 2.15 | -10.6 | 0.09 |

1.5 SAR Exemption Calculation – FCC

Applicable requirement: KDB 447498 Clause 4.3.1 Section 1

Calculation (max power including tune up tolerance = 0.09 mW):

$$[(0.09 \text{ mW})/(5 \text{ mm})] \cdot [\sqrt{0.9185 \text{ (GHz)}}] = 0.02$$

$$0.02 \leq 3.0$$

Therefore, the device meets the applicable FCC SAR exemption requirements.

Signed:

A handwritten signature in black ink, appearing to read "Eric Lifsey". The signature is fluid and cursive, with a large, stylized 'E' at the beginning.

Eric Lifsey
