

**6. Measurement Data (continued)**

**6.9. Public Exposure to Radio Frequency Energy Levels ((1.1307 (b)(1)) RSS-GEN, ISSUE 5, RSS 102)**

**6.9.1. 1.1307 (b)(1) Requirements**

Requirement: Portable devices are subject to radio frequency radiation exposure requirements.

For a 1-g SAR, the test exclusion result must be  $\leq 3.0$ .

Test Notes: The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm are determined by the following formula:

$$\text{SAR Test Exclusion} = \frac{P_{\text{MAX}}}{d_{\text{MIN}}} \times \sqrt{f_{\text{(GHz)}}} \quad (1)$$

$P_{\text{MAX}}$  mW Maximum power of channel, including tune-up tolerance

$d_{\text{MIN}}$  mm Minimum test separation distance, mm ( $\leq 50$  mm)

$f_{\text{(GHz)}}$  GHz  $f_{\text{(GHz)}}$  is the RF channel transmit frequency in GHz ( $>100$  MHz and  $<6$  GHz)

(1) FCC OET 447498 - Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies.

Conclusion: Compliant - The device under test meets the exclusion requirement detailed in FCC OET 447498.

|               |                         |        |
|---------------|-------------------------|--------|
| <b>Input:</b> | $P_{\text{MAX}}^1$ (mW) | 0.4733 |
|               | $d_{\text{MIN}}$ (mm)   | 5.0000 |
|               | $f_{\text{(GHz)}}$      | 0.9150 |

**Test Exclusion: 0.09054**

**Limit Exemption: 3.00000**

<sup>1</sup> Taken from column 5 of the table in Section 7.4 of this test report.

**6.9.2. RSS-102 Issue 5 Requirements**

Requirement: SAR evaluation is required if the separation distance between the user and/or bystander and the antenna and/or radiating element of the device is less than or equal to 20 cm, except when the device operates at or below the applicable output power level (adjusted for tune-up tolerance) for the specified separation distance defined in Table 1. Portable devices are subject to radio frequency radiation exposure requirements.

Test Notes: The limit was taken from Table 1 of RSS-102 Issue 5.

| Frequency | Separation Distance | Maximum Power | RSS-102 Limit | Result    |
|-----------|---------------------|---------------|---------------|-----------|
| (MHz)     | (mm)                | (mW)          | (mW)          |           |
| 915.00    | $\leq 5$            | 0.4733        | 16.25         | Compliant |