

**6. Measurement Data (continued)**

**6.7. Public Exposure to Radio Frequency Energy Levels (1.1307 (b)(1))**

**6.7.1. SAR Test Exclusion Calculation**

Requirement: Portable devices as defined in § 2.1093 of this chapter operating under Part 15 are subject to radio frequency radiation exposure requirements as specified in §§ 1.1307(b) and 2.1093 of this chapter. For a 1-g SAR, the test exclusion result must be ≤ 3.0.

Test Notes: The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 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 (≤ 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.

Result: The device under test meets the exclusion requirement detailed in FCC OET 447498.

		<b>Channel 2</b>	
<b>Input:</b>	$P_{\text{MAX}}$	0.1596	mW
	$d_{\text{MIN}}$	5.00	mm
	$f_{\text{(GHz)}}$	3.991	GHz
	<b>Test Exclusion:</b>	<b>0.064</b>	
	<b>Limit Exemption:</b>	<b>3.000</b>	

<sup>1</sup> Taken from the peak data in Section 6.5 of this test report (converted to mW).

**Note:** The EUT Does not support simultaneous transmission in order to conserve battery life.

The device does not exceed the test limit exemption and therefore a routine SAR Evaluation is not required