

## 6. Measurement Data (continued)

### 6.6. Public Exposure to Radio Frequency Energy Levels (1.1307 (b)(1))

#### 6.6.1. 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.

Test Notes: For frequencies below 100 MHz, the following may be considered for SAR test exclusion.

For test separation distances  $> 50$  mm and  $< 200$ mm, the power threshold at the corresponding test separation distance at 100 MHz is multiplied by  $(1 + \log(100 / f_{\text{(MHz)}}))$ .

For test separation distances  $\leq 50$ mm, the power threshold determined by the above equation is multiplied by  $\frac{1}{2}$ .

Appendix C SAR Test Exclusion @ 100 MHz = 237 mW

SAR Test Exclusion 50mm =  $237 * (1 + \log(100 / 6.78)) = 514$  mW

SAR Test Exclusion  $\leq 50$ mm =  $514 * 0.5 = 257$  mW

(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>6.78 MHz</b>	
<b>Input:</b>	$P_{\text{MAX}}$	0.00019	mW
<b>Limit Exemption:</b>		<b>257</b>	mW

<sup>1</sup> Taken from the peak data in Section 6.3 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