

## 7. Measurement Data (continued)

### 7.6. RF Safety (95.1125, 2.1093, 1.1307 (b)(1))

Requirement: Portable devices as defined in § 2.1093 of this chapter operating in the WMTS 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  $\leq 3.0$ .

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. □

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

Test Channel:	Ch1	Ch3	Ch4	Ch6
Input: $P_{\text{MAX}}^1$ (mW)	3.51	3.41	3.42	3.58
$d_{\text{MIN}}$ (mm)	5.00	5.00	5.00	5.00
$f_{(\text{GHz})}$	1.396	1.399	1.428	1.431
Test Exclusion:	<b>0.83</b>	<b>0.81</b>	<b>0.82</b>	<b>0.86</b>
Limit Exemption:	<b>3.00</b>	<b>3.00</b>	<b>3.00</b>	<b>3.00</b>

<sup>1</sup> Taken from the table in Section 7.3 of this test report (converted to mW).