

Test Number: 556-13

Issue Date: 1/16/2013

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 ≤ 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_{MAX} mW Maximum power of channel, including tune-up tolerance

d_{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.

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

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