



Test Number: 142-17

6. Measurement Data (continued)

6.10. Public Exposure to Radio Frequency Energy Levels (1.1307 (b)(1)) 6.10.1 RF Exposure for devices that operate above 6 GHz

Center Frequency (GHz)	MPE Distance (cm)	DUT Output Power (dBm)	DUT Antenna Gain (dBi)	Power Density		FCC Limit (mW/cm ²)
				(mW/cm²)	(W/m²)	
	(1)	(2)	(3)	(4)		(5)
6.4900	5	-4.05	0.0	0.0012527	0.0125271	1
6.3901	5	-0.20	0.0	0.0030398	0.0303984	1
6.5020	5	-8.02	0.0	0.0005022	0.0050217	1
6.4990	5	-0.18	0.0	0.0030539	0.0305387	1

$$PD = \frac{OP + AG}{(4 \times \pi \times d^2)}$$

- 1. Reference CFR 2.1093(b): For purposes of this section, a portable device is defined as a transmitting device designed to be used so that the radiating structure(s) of the device is/are within 5 centimeters of the body of the user.
- 2. Section 6.7 of this test report.
- 3. Data supplied by the client.
- 4. Power density is calculated from field strength measurement and antenna gain.
- 5. Reference CFR 1.1310, Table 1: Limits for Maximum Permissible Exposure (MPE), Section (B): Limits for General Population/Uncontrolled Exposure.
- 6. Reference IC RSS-102 Section 4 Table 4 RF Field Strength Limits for Devices Used by the General Public (Uncontrolled Environment)

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