

6. Measurement Data (continued)

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

Center Frequency (MHz)	MPE Distance (cm)	DUT Output Power (dBm)	DUT Antenna Gain (dBi)	Power Density		Limit (mW/cm ²)	Result
				(mW/cm ²)	(W/m ²)		
	(1)	(2)	(3)	(4)		(5)	
807	20.0	28.04	3.00	0.2527727	2.5277269	1	Compliant
811	20.0	27.39	3.00	0.2176357	2.1763570	1	Compliant
815	20.0	26.13	3.00	0.1628284	1.6282840	1	Compliant
852	20.0	26.79	3.00	0.1895528	1.8955277	1	Compliant
856	20.0	26.96	3.00	0.1971198	1.9711975	1	Compliant
860	20.0	27.20	3.00	0.2083196	2.0831961	1	Compliant
807	36.0	28.04	14.0000	0.9821665	9.8216654	1	Compliant
811	34.0	27.39	14.0000	0.9480523	9.4805231	1	Compliant
815	29.0	26.13	14.0000	0.9749765	9.7497648	1	Compliant
852	31.0	26.79	14.0000	0.9932687	9.9326870	1	Compliant
856	32.0	26.96	14.0000	0.9693713	9.6937135	1	Compliant
860	33.0	27.20	14.0000	0.9633015	9.6330154	1	Compliant

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

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 20 centimeters of the body of the user. Actual separation distance was calculated for outdoor applications, which is 36 cm
2. Section 6.1.2 of this test report. Note that the value has been adjusted to include the cable insertion loss.
3. Data supplied by the client for combination of cable loss and antenna gain.
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.