6. Measurement Data (continued)

6.7. Public Exposure to Radio Frequency Energy Levels 27.52 per 1.1307 (b)(1)

Channel	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)	
Low	20	23.85	3	0.0963230	0.9632303	1	Compliant
Mid	20	23.17	3	0.0823626	0.8236262	1	Compliant
High	20	22.31	3	0.0675663	0.6756630	1	Compliant
All	20	24.08	3	0.1015617	1.0156174	1	Compliant
Low	23	23.85	14	0.9169264	9.1692637	1	Compliant
Mid	21	23.17	14	0.9404843	9.4048429	1	Compliant
High	20	22.31	14	0.8506093	8.5060934	1	Compliant
All	23	24.08	14	0.9667952	9.6679515	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.
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. 3 dBi for Indoor, 14 dBi for Outdoor Applications
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.

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