

6. Measurement Data (continued)

6.6. Public Exposure to Radio Frequency Energy Levels 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	20.0	23.52	3.0000	0.0892751	0.8927506	1	Compliant
Mid	20.0	25.00	3.0000	0.1255250	1.2552498	1	Compliant
High	20.0	24.47	3.0000	0.1111041	1.1110412	1	Compliant
All	20.0	27.34	3.0000	0.2151444	2.1514445	1	Compliant
Low	20.0	21.88	3.0000	0.0611970	0.6119700	1	Compliant
Mid	20.0	21.05	3.0000	0.0505510	0.5055105	1	Compliant
High	20.0	21.47	3.0000	0.0556840	0.5568396	1	Compliant
All	20.0	23.83	3.0000	0.0958805	0.9588047	1	Compliant
Low	20.0	22.88	3.0000	0.0770425	0.7704246	1	Compliant
Mid	20.0	23.70	3.0000	0.0930529	0.9305295	1	Compliant
High	20.0	22.92	3.0000	0.0777553	0.7775533	1	Compliant
All	20.0	25.25	3.0000	0.1329628	1.3296280	1	Compliant
Low	20.0	20.42	3.0000	0.0437250	0.4372503	1	Compliant
Mid	20.0	21.15	3.0000	0.0517285	0.5172853	1	Compliant
High	20.0	17.45	3.0000	0.0220663	0.2206633	1	Compliant
All	20.0	21.33	3.0000	0.0539175	0.5391755	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.

6. Measurement Data (continued)

6.6. Public Exposure to Radio Frequency Energy Levels 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	22.0	23.52	14.0000	0.9288483	9.2884827	1	Compliant
Mid	26.0	25.00	14.0000	0.9350685	9.3506853	1	Compliant
High	24.0	24.47	14.0000	0.9713319	9.7133190	1	Compliant
All	33.0	27.34	14.0000	0.9948607	9.9486066	1	Compliant
Low	20.0	21.88	14.0000	0.7704246	7.7042461	1	Compliant
Mid	20.0	21.05	14.0000	0.6364000	6.3639996	1	Compliant
High	20.0	21.47	14.0000	0.7010196	7.0101957	1	Compliant
All	22.0	23.83	14.0000	0.9975732	9.9757320	1	Compliant
Low	20.0	22.88	14.0000	0.9699071	9.6990711	1	Compliant
Mid	22.0	23.70	14.0000	0.9681547	9.6815474	1	Compliant
High	20.0	22.92	14.0000	0.9788816	9.7888155	1	Compliant
All	26.0	25.25	14.0000	0.9904748	9.9047482	1	Compliant
Low	20.0	20.42	14.0000	0.5504656	5.5046555	1	Compliant
Mid	20.0	21.15	14.0000	0.6512236	6.5122362	1	Compliant
High	20.0	17.45	14.0000	0.2777987	2.7779866	1	Compliant
All	20.0	21.33	14.0000	0.6787817	6.7878173	1	Compliant

Note: For outdoor installations, users must be instructed to be at least 33 cm away from the high gain antenna when the device is in operation.

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

- 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.
- Section 6.1.2 of this test report. Note that the value has been adjusted to include the cable insertion loss.
- Data supplied by the client. 3 dBi for Indoor, 14 dBi for Outdoor Applications
- Power density is calculated from field strength measurement and antenna gain.
- Reference CFR 1.1310, Table 1: Limits for Maximum Permissible Exposure (MPE), Section (B): Limits for General Population/Uncontrolled Exposure.