6. Measurement Data (continued)

6.7. Public Exposure to Radio Frequency Energy Levels 1.1307 (b)(1), RSS-GEN, Issue 4 Section 3.2, RSS 102

Center Frequency (MHz)	MPE Distance (cm)	DUT Output Power (dBm)	DUT Antenna Gain (dBi)	Power Density		FCC Limit (mW/cm^2)	IC Limit (W/m^2)
				(mW/cm^2)	(W/m^2)		
	(1)	(2)	(3)	(4)		(5)	(6)
754.0	20.0	29.12	3.00	0.3241381	3.2413815	0.50	n/a
779.0	20.0	29.25	3.00	0.3339874	3.3398745	0.52	n/a
754.0	24.0	29.12	3.00	0.2250959	2.2509594	n/a	2.42
779.0	24.0	29.25	3.00	0.2319357	2.3193573	n/a	2.48

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

1. Reference CFR 1.1307, Table 1: Transmitters, Facilities and Operation Subject to Routine Environmental Evaluation.
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. The limit from 300-1500 MHz is f/1500, where f is in MHz
6. Reference IC RSS-102 Section 4 Table 4 General Public (Uncontrolled Environment) for equipment operating from 300 to 6000 MHz, the W/m^2 limit is determined by the formula 0.02619 * F (MHz) ^ 0.6834

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