6. Measurement Data (continued)

6.11. Public Exposure to Radio Frequency Energy Levels (1.1307 (b)(1), RSS 102)

6.11.1 RF Exposure for devices that operate at 20cm or greater distance

Center Frequency (GHz)	MPE Distance (cm)	DUT Output Power (dBm EIRP)	DUT Antenna Gain (dBi)	Power Density		FCC Limit	ISED Limit
				(mW/cm^2)	(W/m^2)	(mW/cm^2)	(W/m^2)
	(1)	(2)	(3)	(4)		(5)	(6)
4.5720	20	-0.01	0.0	0.0001985	0.0019849	1	8.31
4.4900	20	-0.07	0.0	0.0001958	0.0019576	1	8.21
6.4920	20	-0.14	0.0	0.0030821	0.0308212	1	10
6.4950	20	-0.23	0.0	0.0030189	0.0301891	1	10
6.5930	20	-0.11	0.0	0.0031035	0.0310349	1	10
6.4980	20	-0.13	0.0	0.0030892	0.0308923	1	10

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

1. Reference CFR 2.1091(b): For purposes of this section, a mobile device is defined as a transmitting device designed to be used so that the radiating structure(s) of the device is at least 20 centimeters of distance from the body of the user or nearby persons.
2. Section 6.8 of this test report.
3. Radiated Power Measurements were made therefore the antenna gain is included.
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 above 1500 MHz is 1 mW/cm^2
6. Reference ISED RSS-102 Section 4 Table 4 RF Field Strength Limits for Devices Used by the General Public (Uncontrolled Environment). 300 to 6000 MHz the limit is 0.02619 * f ^ 0.6834, where f is in MHz, above 6000 MHz the limit is 10 W/m^2

Test Notes: The Bluetooth and UWB Radios do not operate simultaneously.

Compliance Worldwide, Inc. - 357 Main Street - Sandown, NH 03873
(603) 887 3903 Fax (603) 887 6445
www.complianceworldwide.com