

12i. Measurement of Electromagnetic Radiated Emission**Measurement of Electromagnetic Radiated Emission
Within the 3 Meter Semi-Anechoic FCC Listed Chamber**

Manufacturer:	Digital Innovations.
Date of Test:	December 30 th and 31 st , 2002
Model:	i-Spot transmitter
Serial:	3
Test	Radiated Emissions
Specifications:	15.205, 15.209, 15.231a, 15.231b, and 15.231c.

Distance: 3 Meters			Frequency Range Inspected: 30 to 6000 MHz		
Configuration: Normal and CW modes					
Detector(s) Used:	√	Peak		Quasi-Peak	Average

Test Equipment Used:

EMI Receiver: HP 8546A	Log Periodic Antenna: EMCO 93146
Double-Ridged Horn Antenna: EMCO 3115	Biconical Antenna: EMCO 93110B

The following tables depict the level of significant fundamental and harmonic emissions found during the tests on the EUT. All other emissions were better than 20 dB below the limit.

Frequency (MHz)	Antenna Polarity	Height (Meters)	Azimuth (0°-360°)	EMI Meter Reading (Peak dBμV/m)	Duty Cycle Relaxation Allowance (dB)	Meter Reading After Relaxation (dBμV/m)	15.231b Limit with Allowed Relaxation (dBμV/m)	Margin (dB)
319.5	H	1.00	315	76.8	4.9	71.9	75.9	4.0
639.0	H	1.25	215	58.4	4.9	53.5	55.9	2.4
958.5	V	1.15	95	53.5	4.9	48.6	55.9	7.3
1278.0	H	1.20	175	57.3	4.9	52.4	55.9	3.50
1597.5	V	1.00	240	42.7	4.9	37.8	54.0	16.2
1917.0	V	1.20	100	46.8	4.9	41.9	55.9	14.0
2236.5	V	1.20	245	49.0	4.9	44.1	54.0	9.9
2556.0	H	1.05	170	45.6	4.9	40.7	55.9	15.2
2875.5	H	1.15	100	41.4	4.9	36.5	54.0	17.5
3195.0	H	1.00	0	28.0	4.9	23.1	55.9	32.8