

High Channel

3-Jun-02		FCC Measurement												
Compliance Certification Services, Morgan Hill Open Field Site														
Equipment for 1-22 GHz														
HP8563E Analyzer														
HP 8449B Pre-amplifier														
EMCO 3115 Antenna														
Cable		17.0		feet										
Average Measurements:							Peak Measurements:							
1 MHz Resolution Bandwidth							1MHz Resolution Bandwidth							
10Hz Video Bandwidth							1MHz Video Bandwidth							
Client : Root, Inc														
Project # : 02U1329-1														
EUT: RGW 2400/OD 2.4GHz Device														
EUT's Antenna : Omni Directional MFB24010														
High Channel : CH14														
f	Dist	Read Peak	Read Avg.	AF	CL	Amp	D Corr	HPF	Peak	Avg	Peak Lim	Avg Lim	Peak Mar	Avg Mar
GHz	feet	dBuV	dBuV	dB/m	dB	dB	dB		dBuV/m	dBuV/m	dBuV/m	dBuV/m	dB	dB
4.970	9.84	43.7	33.5	32.8	6.6	-35.5	0.0	1.0	48.6	38.5	74.0	54.0	-25.4	-15.5
7.455	9.84	24.3	13.8	37.0	8.3	-35.5	0.0	1.0	35.2	24.7	74.0	54.0	-38.8	-29.3
9.940	9.84	25.3	13.5	37.8	9.8	-35.5	0.0	1.0	38.5	26.6	74.0	54.0	-35.5	-27.4
12.425	9.84	25.3	12.7	39.3	11.0	-35.5	0.0	1.0	41.0	28.4	74.0	54.0	-33.0	-25.6
14.910	9.84	23.2	13.3	40.0	12.5	-35.5	0.0	1.0	41.2	31.3	74.0	54.0	-32.8	-22.7
17.395	9.84	24.7	13.0	45.5	14.2	-35.5	0.0	1.0	49.9	38.2	74.0	54.0	-24.1	-15.8
19.880	9.84	25.8	14.2	32.5	15.7	-35.5	0.0	1.0	39.5	27.8	74.0	54.0	-34.5	-26.2
22.365	9.84	23.7	14.0	24.2	17.1	-35.5	0.0	1.0	30.5	20.8	74.0	54.0	-43.5	-33.2
24.850	9.84	25.5	15.2	24.2	19.2	-35.5	0.0	1.0	34.4	24.0	74.0	54.0	-39.6	-30.0
f	Measurement Frequency			Amp	Preamp Gain						Avg Lim	Average Field Strength Limit		
Dist	Distance to Antenna			D Corr	Distance Correct to 3 meters						Pk Lim	Peak Field Strength Limit		
Read	Analyzer Reading			Avg	Average Field Strength @ 3 m						Avg Mar	Margin vs. Average Limit		
AF	Antenna Factor									Pk Mar	Margin vs. Peak Limit			
CL	Cable Loss			Peak	Calculated Peak Field Strength									
f	Dist	Read Peak	Read Avg.	AF	CL	Amp	D Corr	HPF	Peak	Avg	Peak Lim	Avg Lim	Peak Mar	Avg Mar
GHz	feet	dBuV	dBuV	dB/m	dB	dB	dB		dBuV/m	dBuV/m	dBuV/m	dBuV/m	dB	dB
4.970	9.84	24.8	13.5	32.8	6.6	-35.5	0.0	1.0	29.8	18.5	74.0	54.0	-44.2	-35.5
7.455	9.84	25.2	13.7	37.0	8.3	-35.5	0.0	1.0	36.0	24.5	74.0	54.0	-38.0	-29.5
9.940	9.84	25.0	13.7	37.8	9.8	-35.5	0.0	1.0	38.1	26.8	74.0	54.0	-35.9	-27.2
12.425	9.84	22.8	12.8	39.3	11.0	-35.5	0.0	1.0	38.5	28.5	74.0	54.0	-35.5	-25.5
14.910	9.84	22.5	13.2	40.0	12.5	-35.5	0.0	1.0	40.5	31.2	74.0	54.0	-33.5	-22.8
17.395	9.84	24.0	13.2	45.5	14.2	-35.5	0.0	1.0	49.2	38.4	74.0	54.0	-24.8	-15.6
19.880	9.84	24.8	14.0	32.5	15.7	-35.5	0.0	1.0	38.5	27.7	74.0	54.0	-35.5	-26.3
22.365	9.84	23.5	13.8	24.2	17.1	-35.5	0.0	1.0	30.3	20.7	74.0	54.0	-43.7	-33.3
24.850	9.84	24.3	15.3	24.2	19.2	-35.5	0.0	1.0	33.2	24.2	74.0	54.0	-40.8	-29.8

