

High Channel

28-May-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 : Wide-Angle MSP24013MB														
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
4.884	9.84	27.3	16.7	32.7	6.5	-35.5	0.0	1.0	32.1	21.4	74.0	54.0	-41.9	-32.6
7.326	9.84	28.2	17.3	36.8	8.3	-35.5	0.0	1.0	38.7	27.9	74.0	54.0	-35.3	-26.1
9.768	9.84	27.2	15.8	37.5	9.7	-35.5	0.0	1.0	39.9	28.6	74.0	54.0	-34.1	-25.4
12.210	9.84	28.8	17.0	39.1	10.8	-35.5	0.0	1.0	44.3	32.5	74.0	54.0	-29.7	-21.5
14.652	9.84	29.7	18.2	40.2	12.3	-35.5	0.0	1.0	47.7	36.2	74.0	54.0	-26.3	-17.8
17.094	9.84	28.5	17.7	43.2	14.0	-35.5	0.0	1.0	51.2	40.4	74.0	54.0	-22.8	-13.6
19.536	9.84	29.3	18.0	32.5	15.5	-35.5	0.0	1.0	42.8	31.5	74.0	54.0	-31.2	-22.5
21.978	9.84	29.8	18.7	24.2	16.8	-35.5	0.0	1.0	36.3	25.2	74.0	54.0	-37.7	-28.8
24.420	9.84	30.3	19.3	24.2	18.8	-35.5	0.0	1.0	38.9	27.9	74.0	54.0	-35.1	-26.1
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
4.884	9.84	27.8	16.7	32.7	6.5	-35.5	0.0	1.0	32.6	21.4	74.0	54.0	-41.4	-32.6
7.326	9.84	27.5	17.3	36.8	8.3	-35.5	0.0	1.0	38.0	27.9	74.0	54.0	-36.0	-26.1
9.768	9.84	26.2	15.8	37.5	9.7	-35.5	0.0	1.0	38.9	28.6	74.0	54.0	-35.1	-25.4
12.210	9.84	28.3	16.7	39.1	10.8	-35.5	0.0	1.0	43.8	32.1	74.0	54.0	-30.2	-21.9
14.652	9.84	30.0	18.0	40.2	12.3	-35.5	0.0	1.0	48.0	36.0	74.0	54.0	-26.0	-18.0
17.094	9.84	30.0	17.7	43.2	14.0	-35.5	0.0	1.0	52.7	40.4	74.0	54.0	-21.3	-13.6
19.536	9.84	29.0	18.3	32.5	15.5	-35.5	0.0	1.0	42.5	31.8	74.0	54.0	-31.5	-22.2
21.978	9.84	29.0	18.7	24.2	16.8	-35.5	0.0	1.0	35.5	25.2	74.0	54.0	-38.5	-28.8
24.420	9.84	30.0	19.5	24.2	18.8	-35.5	0.0	1.0	38.5	28.0	74.0	54.0	-35.5	-26.0

