

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 : Patch Antenna MP24008XFPT														
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	50.3	38.3	32.8	6.6	-35.5	0.0	1.0	55.3	43.3	74.0	54.0	-18.7	-10.7
7.455	9.84	26.5	14.0	37.0	8.3	-35.5	0.0	1.0	37.4	24.9	74.0	54.0	-36.6	-29.1
9.940	9.84	17.9	8.0	37.8	9.8	-35.5	0.0	1.0	31.0	21.1	74.0	54.0	-43.0	-32.9
12.425	9.84	24.8	13.3	39.3	11.0	-35.5	0.0	1.0	40.5	29.0	74.0	54.0	-33.5	-25.0
14.910	9.84	23.8	13.3	40.0	12.5	-35.5	0.0	1.0	41.8	31.3	74.0	54.0	-32.2	-22.7
17.395	9.84	23.0	13.2	45.5	14.2	-35.5	0.0	1.0	48.2	38.4	74.0	54.0	-25.8	-15.6
19.880	9.84	24.5	13.8	32.5	15.7	-35.5	0.0	1.0	38.2	27.5	74.0	54.0	-35.8	-26.5
22.365	9.84	24.0	13.7	24.2	17.1	-35.5	0.0	1.0	30.8	20.5	74.0	54.0	-43.2	-33.5
24.850	9.84	27.0	15.0	24.2	19.2	-35.5	0.0	1.0	35.9	23.9	74.0	54.0	-38.1	-30.1
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
4.970	9.84	43.3	32.3	32.8	6.6	-35.5	0.0	1.0	48.3	37.3	74.0	54.0	-25.7	-16.7
7.455	9.84	26.2	13.7	37.0	8.3	-35.5	0.0	1.0	37.0	24.5	74.0	54.0	-37.0	-29.5
9.940	9.84	22.3	12.5	37.8	9.8	-35.5	0.0	1.0	35.5	25.6	74.0	54.0	-38.5	-28.4
12.425	9.84	24.7	12.8	39.3	11.0	-35.5	0.0	1.0	40.4	28.5	74.0	54.0	-33.6	-25.5
14.910	9.84	23.2	13.2	40.0	12.5	-35.5	0.0	1.0	41.2	31.2	74.0	54.0	-32.8	-22.8
17.395	9.84	23.3	13.0	45.5	14.2	-35.5	0.0	1.0	48.5	38.2	74.0	54.0	-25.5	-15.8
19.880	9.84	23.5	13.7	32.5	15.7	-35.5	0.0	1.0	37.2	27.3	74.0	54.0	-36.8	-26.7
22.365	9.84	24.2	13.7	24.2	17.1	-35.5	0.0	1.0	31.0	20.5	74.0	54.0	-43.0	-33.5
24.850	9.84	26.7	15.2	24.2	19.2	-35.5	0.0	1.0	35.5	24.0	74.0	54.0	-38.5	-30.0

