

06/23/03 **High Frequency Measurement**
Compliance Certification Services, Morgan Hill Open Field Site

Test Engr: William Zhuang
 Project #: 03U1969-1
 Company: T.N. Cokenias
 EUT Descr.: RadioLAN, WLAP, 5.8GHz DTS
 EUT M/N: Aruba
 Test Target: FCC15.247
 Mode Oper: EUT with Panel Antenna

Test Equipment:

EMCO Horn 1-18GHz T60; S/N: 2238 @1m	Pre-amplifier 1-26GHz T86 Miteq 924341	Spectrum Analyzer	Horn > 18GHz T87; ARA 18-26GHz; S/N:1049
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Hi Frequency Cables

e (2 ft)	e (2~3 ft)	b (4~6 ft)	b (12 ft)
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Peak Measurements:
 1 MHz Resolution Bandwidth
 1MHz Video Bandwidth

Average Measurements:
 1 MHz Resolution Bandwidth
 10Hz Video Bandwidth

f GHz	Dist feet	Read Pk dBuV	Read Avg. dBuV	AF dB/m	CL dB	Amp dB	D Corr dB	HPF	Peak dBuV/m	Avg dBuV/m	Pk Lim dBuV/m	Avg Lim dBuV/m	Pk Mar dB	Avg Mar dB	Notes
11.560	9.9	69.4	48.1	39.2	7.7	-44.7	0.1	1.0	72.7	51.4	74.0	54.0	-1.3	-2.6	V
11.560	9.9	66.9	47.2	39.2	7.7	-44.7	0.1	1.0	70.2	50.5	74.0	54.0	-3.8	-3.5	H
23.106	9.9	59.2	42.5	36.2	10.7	-45.3	0.1	1.0	62.0	45.3	74.0	54.0	-12.0	-8.7	V
23.106	9.9	60.4	41.8	36.2	10.7	-45.3	0.1	1.0	63.2	44.5	74.0	54.0	-10.8	-9.5	H
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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	Peak	Calculated Peak Field Strength	Pk Mar	Margin vs. Peak Limit
CL	Cable Loss	HPF	High Pass Filter		