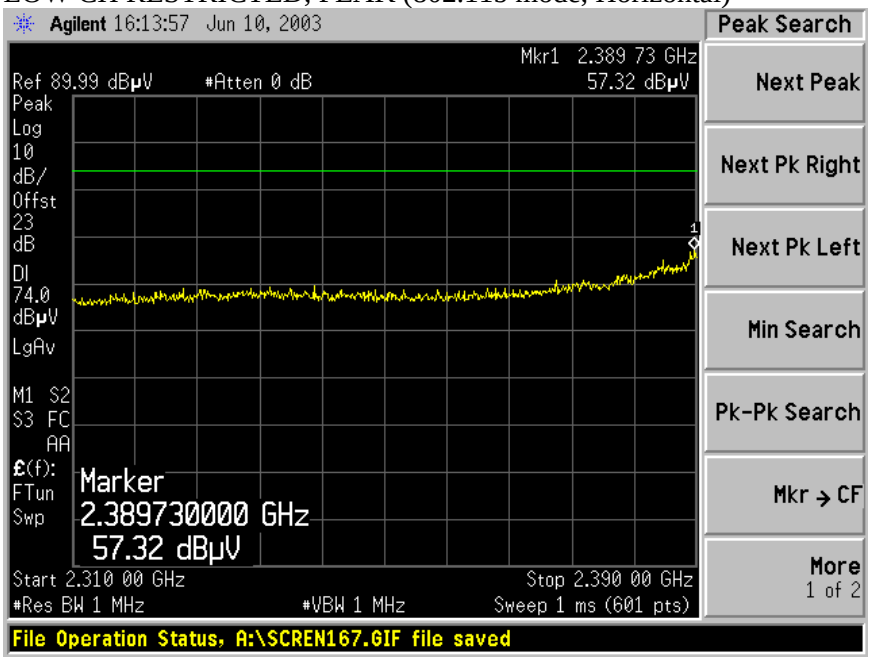
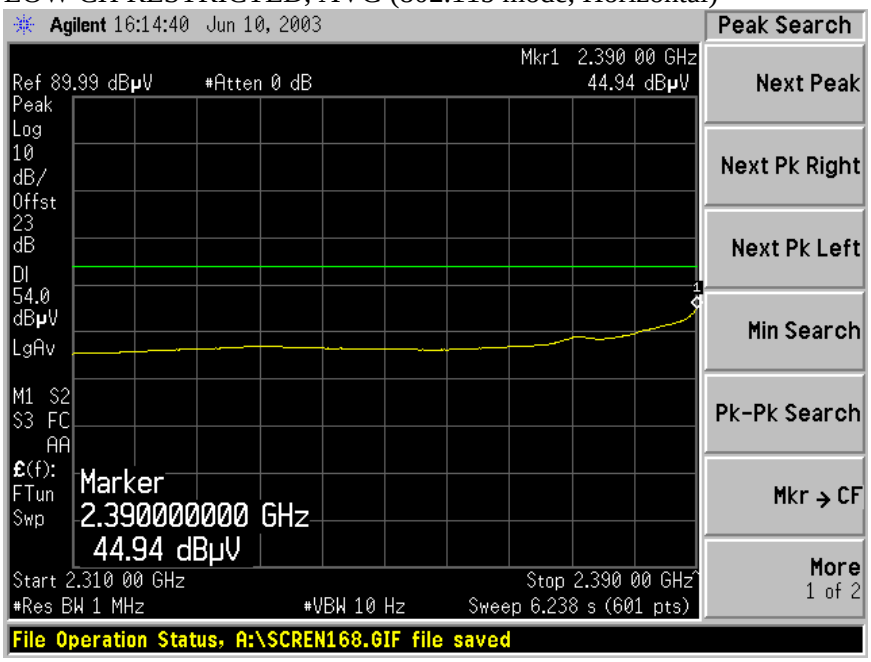
RESTRICTED BANDEDGE (b MODE, LOW CHANNEL, HORIZONTAL)

LOW CH RESTRICTED, PEAK (802.11b mode, Horizontal)

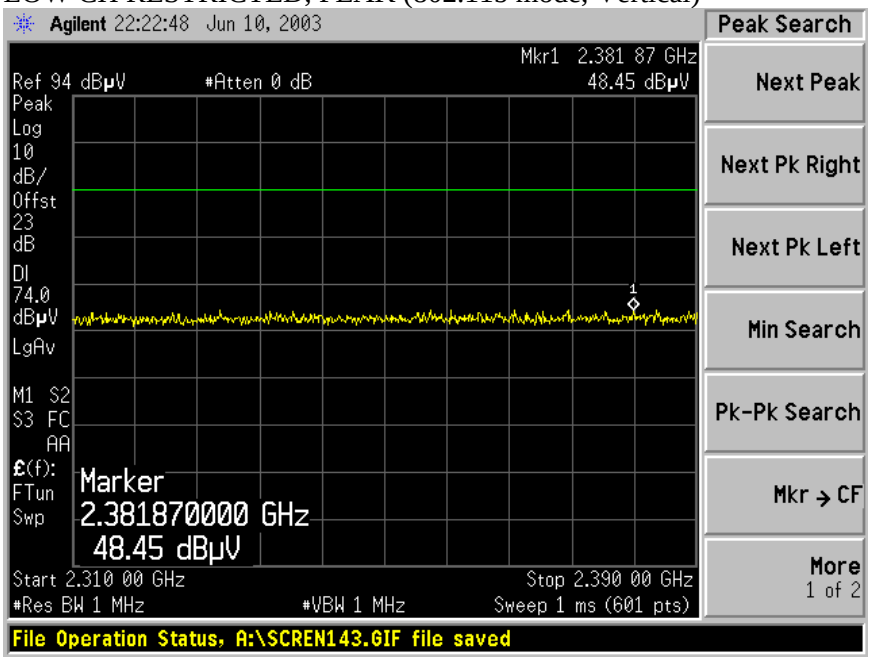


LOW CH RESTRICTED, AVG (802.11b mode, Horizontal)

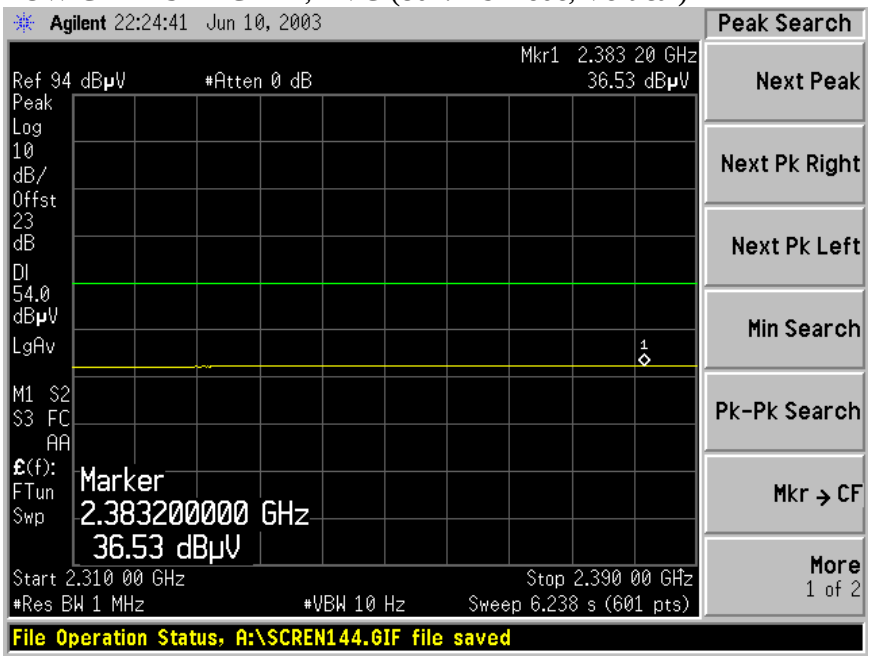


RESTRICTED BANDEDGE (b MODE, LOW CHANNEL, VERTICAL)

LOW CH RESTRICTED, PEAK (802.11b mode, Vertical)

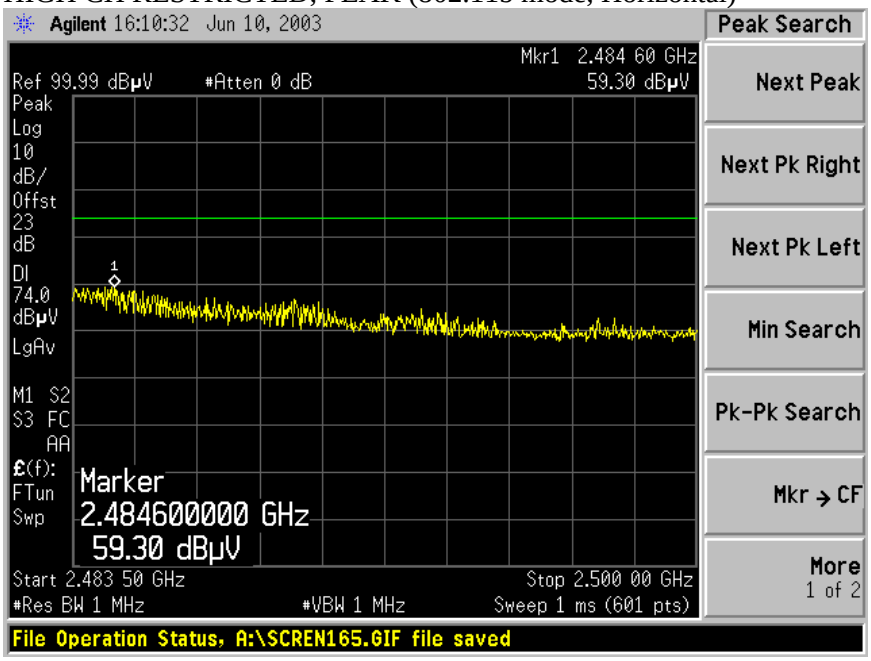


LOW CH RESTRICTED, AVG (802.11b mode, Vertical)

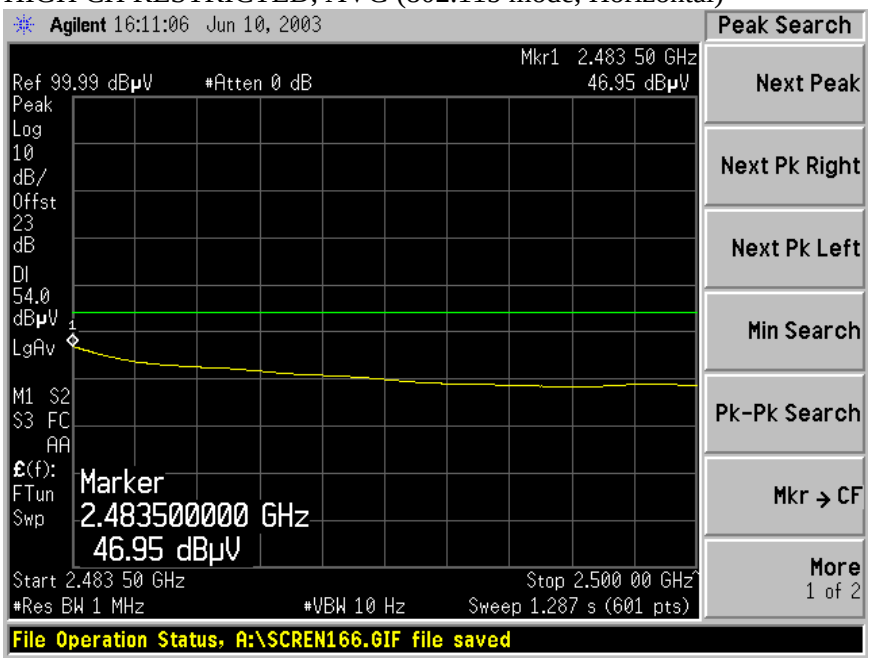


RESTRICTED BANDEDGE (b MODE, HIGH CHANNEL, HORIZONTAL)

HIGH CH RESTRICTED, PEAK (802.11b mode, Horizontal)

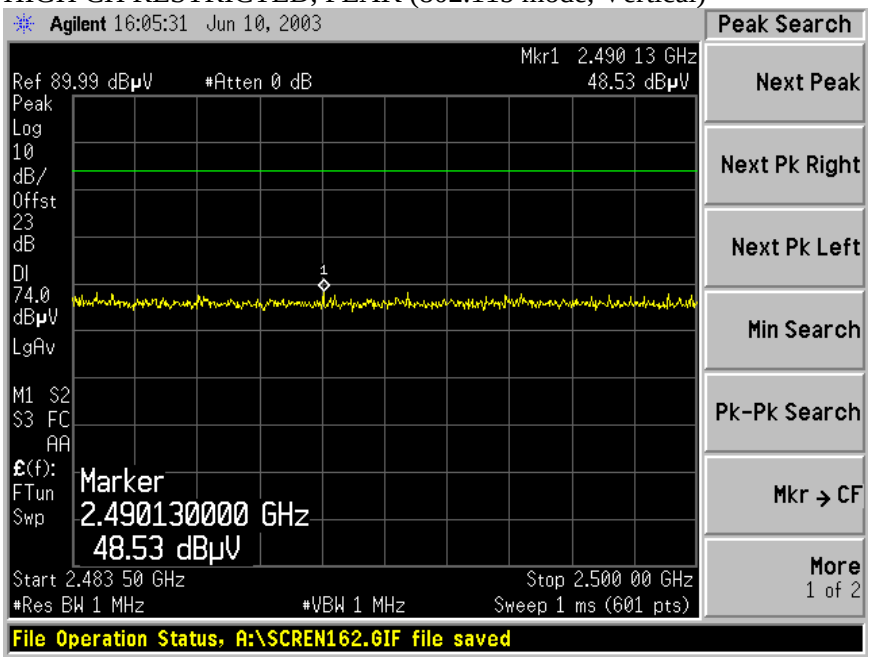


HIGH CH RESTRICTED, AVG (802.11b mode, Horizontal)

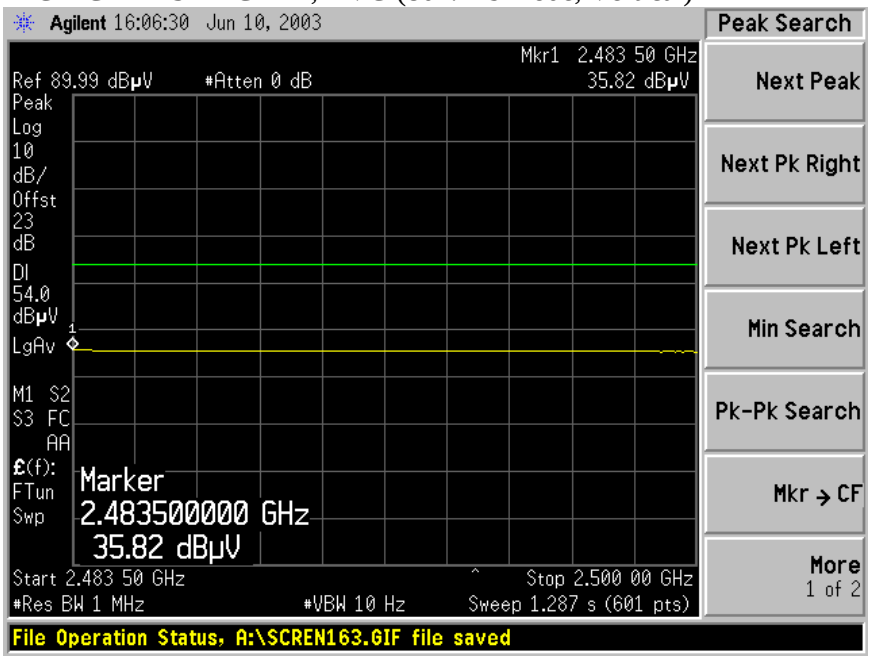


RESTRICTED BANDEDGE (b MODE, HIGH CHANNEL, VERTICAL)

HIGH CH RESTRICTED, PEAK (802.11b mode, Vertical)



HIGH CH RESTRICTED, AVG (802.11b mode, Vertical)



HARMONICS AND SPURIOUS EMISSIONS (b MODE)

06/10/03 **High Frequency Measurement**

Compliance Certification Services, Morgan Hill Open Field Site

Test Engr: Yan Zheng
Project #:
Company: Cisco
EUT Descrip.: AIR-MP31G-A-K9
EUT M/N: SMT07210013
Test Target:
Mode Oper: Transmit, b Mode, with 13.5dBi Patch Array Antenna

Test Equipment:

EMCO Horn 1-18GHz	Pre-amplifer 1-26GHz	Spectrum Analyzer	Horn > 18GHz	Limit
T60; S/N: 2238 @3m	T86 Miteq 924341	Agilent E4446A Analyzer	T117; ARA 18-26GHz; S/N:1013	FCC 15.205

Hi Frequency Cables: ☐ (2 ft) ☑ (2 ~ 3 ft) ☐ (4 ~ 6 ft) ☑ (12 ft)

Peak Measurements: 1 MHz Resolution Bandwidth, 1MHz Video Bandwidth
Average Measurements: 1 MHz Resolution Bandwidth, 10Hz Video Bandwidth

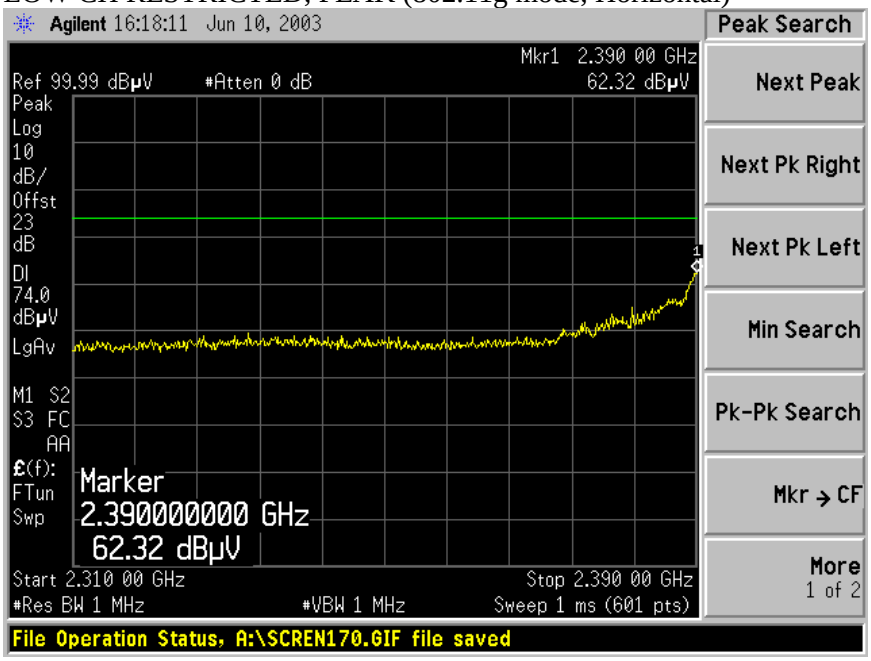
f GHz	Dist feet	Read Pk dBuV	Read Avg. dBuV	AF dB/m	CL dB	Amp dB	D Corr dB	HPF	Peak dBuV/m	Avg dBuV/m	Pk Lim dBuV/m	Avg Lim dBuV/m	Pk Mar dB	Avg Mar dB	Notes
Spurious															
Harmonics															
Channe 1 (2412MHz)															
4.824	9.8	53.6	47.2	33.1	4.4	-45.6	0.0	1.0	46.5	40.1	74.0	54.0	-27.5	-13.9	H
4.824	9.8	61.8	60.8	33.1	4.4	-45.6	0.0	1.0	54.7	53.7	74.0	54.0	-19.3	-0.3	V
Channe 6 (2437MHz)															
4.874	9.8	60.9	59.4	33.1	4.4	-45.6	0.0	1.0	53.8	52.3	74.0	54.0	-20.2	-1.7	V
7.311	9.8	48.5	36.6	36.2	5.7	-46.6	0.0	1.0	44.8	32.9	74.0	54.0	-29.2	-21.1	V
7.311	9.8	48.0	36.6	36.2	5.7	-46.6	0.0	1.0	44.3	32.9	74.0	54.0	-29.7	-21.1	H
4.874	9.8	48.9	43.5	33.1	4.4	-45.6	0.0	1.0	41.8	36.4	74.0	54.0	-32.2	-17.6	H
Channe 11 (2462MHz)															
4.924	9.8	61.7	60.2	33.2	4.5	-45.7	0.0	1.0	54.6	53.1	74.0	54.0	-19.4	-0.9	V
7.386	9.8	48.5	36.6	36.3	5.7	-46.5	0.0	1.0	45.0	33.1	74.0	54.0	-29.0	-20.9	V
7.386	9.8	48.0	36.6	36.3	5.7	-46.5	0.0	1.0	44.5	33.1	74.0	54.0	-29.5	-20.9	H
4.924	9.8	51.8	47.2	33.2	4.5	-45.7	0.0	1.0	44.7	40.1	74.0	54.0	-29.3	-13.9	H

36.5

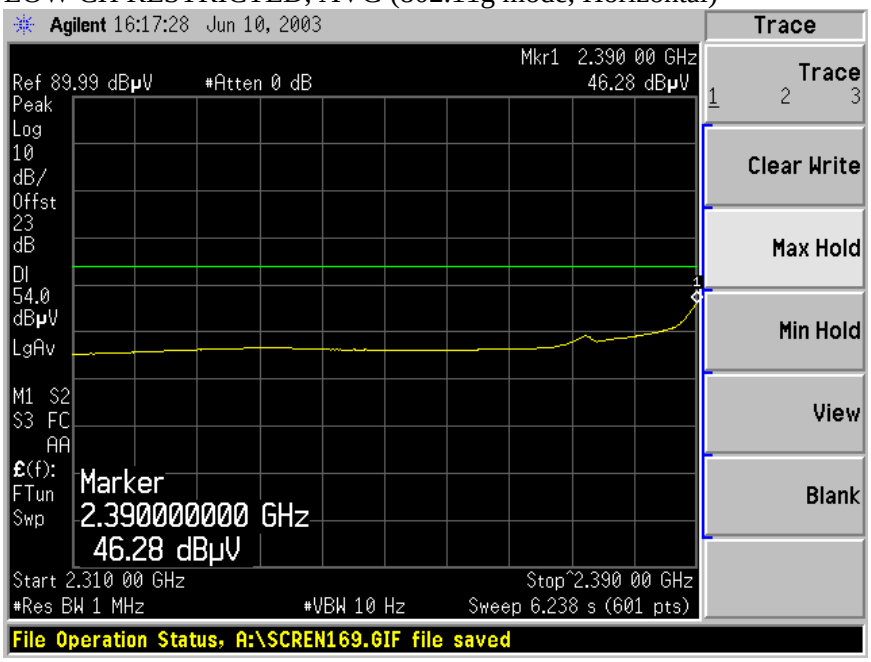
f	Measurement Frequency	Amp	Preamp Gain	Avg Lim	Average Field Strength Limit
Dist	Distance to Antenna	D Corr	Distance Correct to 3 meters	Pk Lim	Peak Field Strength Limit
Read	Analyzer Reading	Avg	Average Field Strength @ 3 m	Avg Mar	Margin vs. Average Limit
AF	Antenna Factor	Peak	Calculated Peak Field Strength	Pk Mar	Margin vs. Peak Limit
CL	Cable Loss	HPF	High Pass Filter		

RESTRICTED BANDEDGE (g MODE, LOW CHANNEL, HORIZONTAL)

LOW CH RESTRICTED, PEAK (802.11g mode, Horizontal)

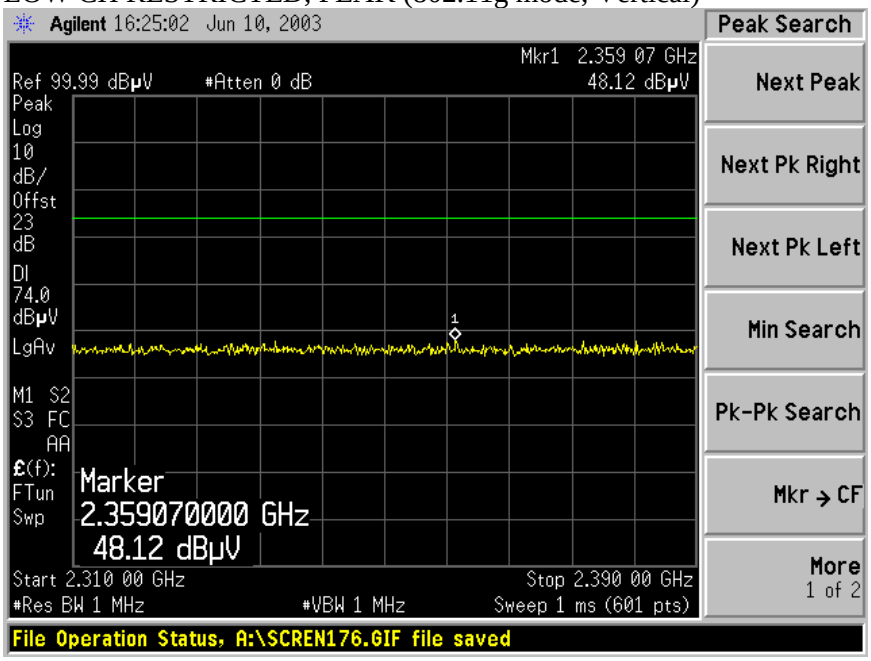


LOW CH RESTRICTED, AVG (802.11g mode, Horizontal)

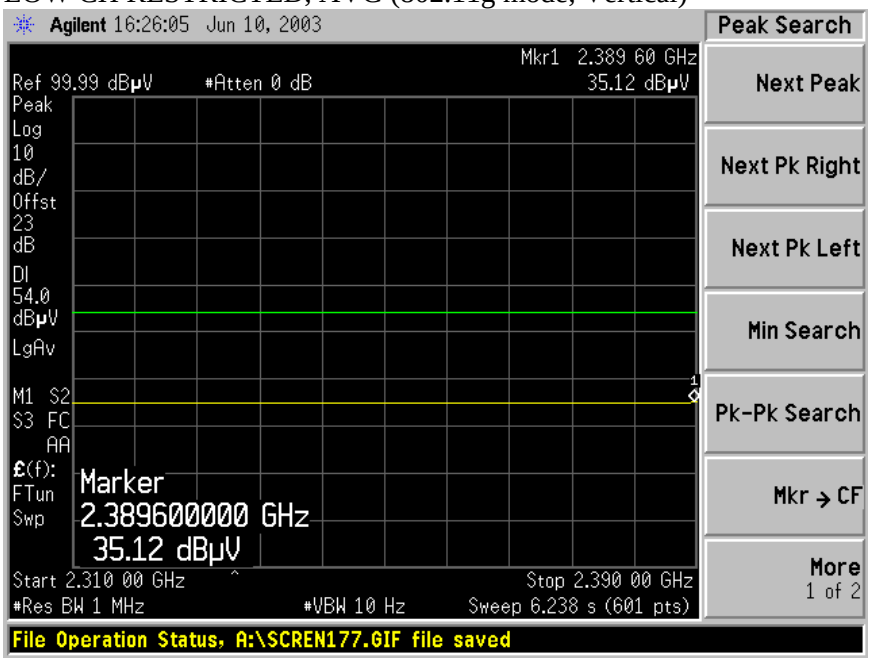


RESTRICTED BANDEDGE (g MODE, LOW CHANNEL, VERTICAL)

LOW CH RESTRICTED, PEAK (802.11g mode, Vertical)

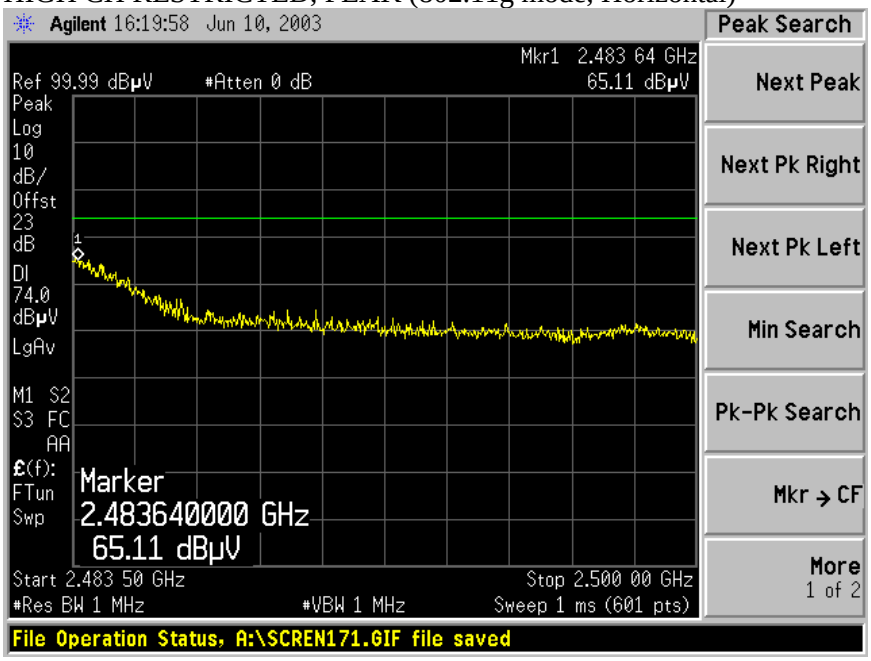


LOW CH RESTRICTED, AVG (802.11g mode, Vertical)

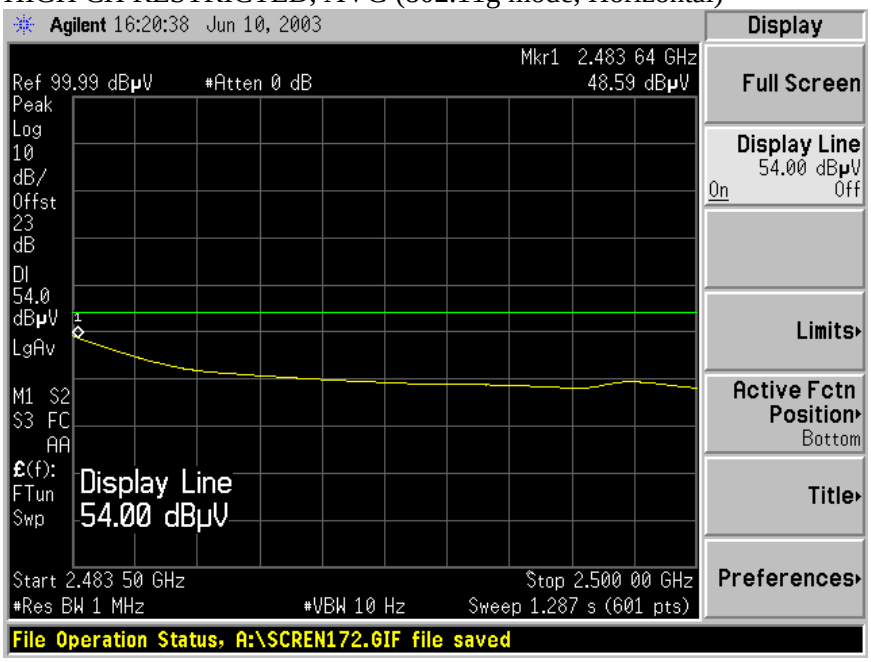


RESTRICTED BANDEDGE (g MODE, HIGH CHANNEL, HORIZONTAL)

HIGH CH RESTRICTED, PEAK (802.11g mode, Horizontal)

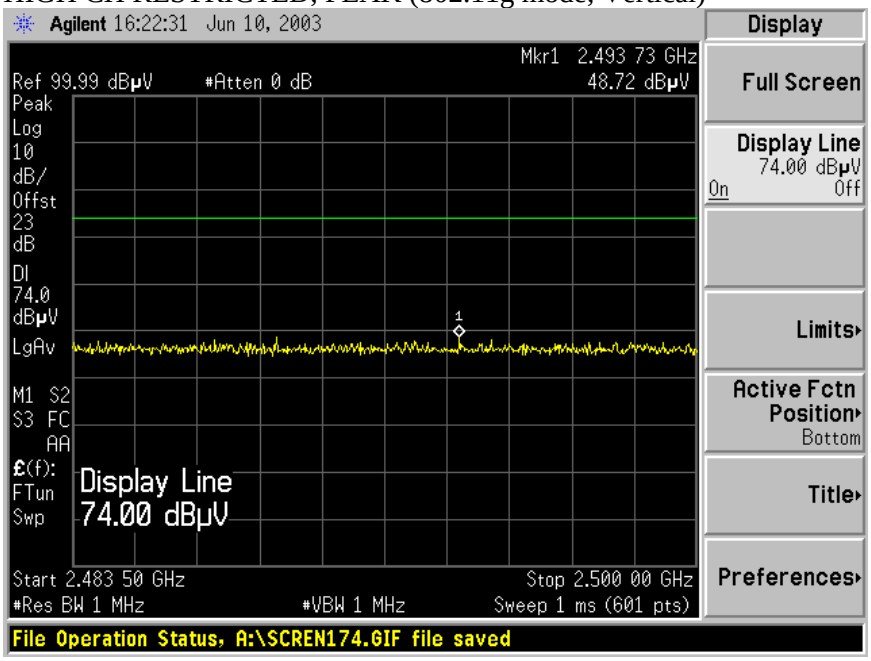


HIGH CH RESTRICTED, AVG (802.11g mode, Horizontal)

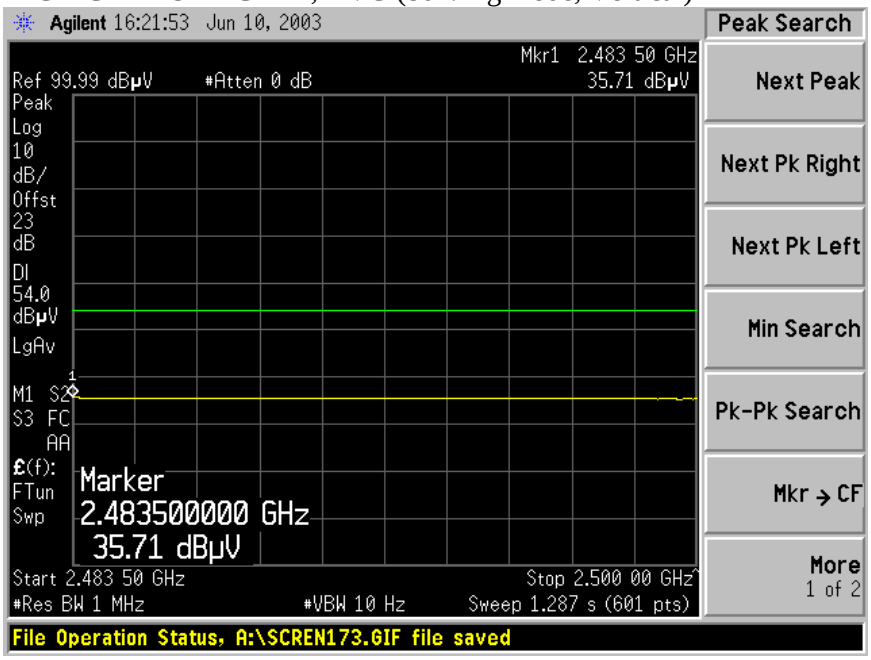


RESTRICTED BANDEDGE (g MODE, HIGH CHANNEL, VERTICAL)

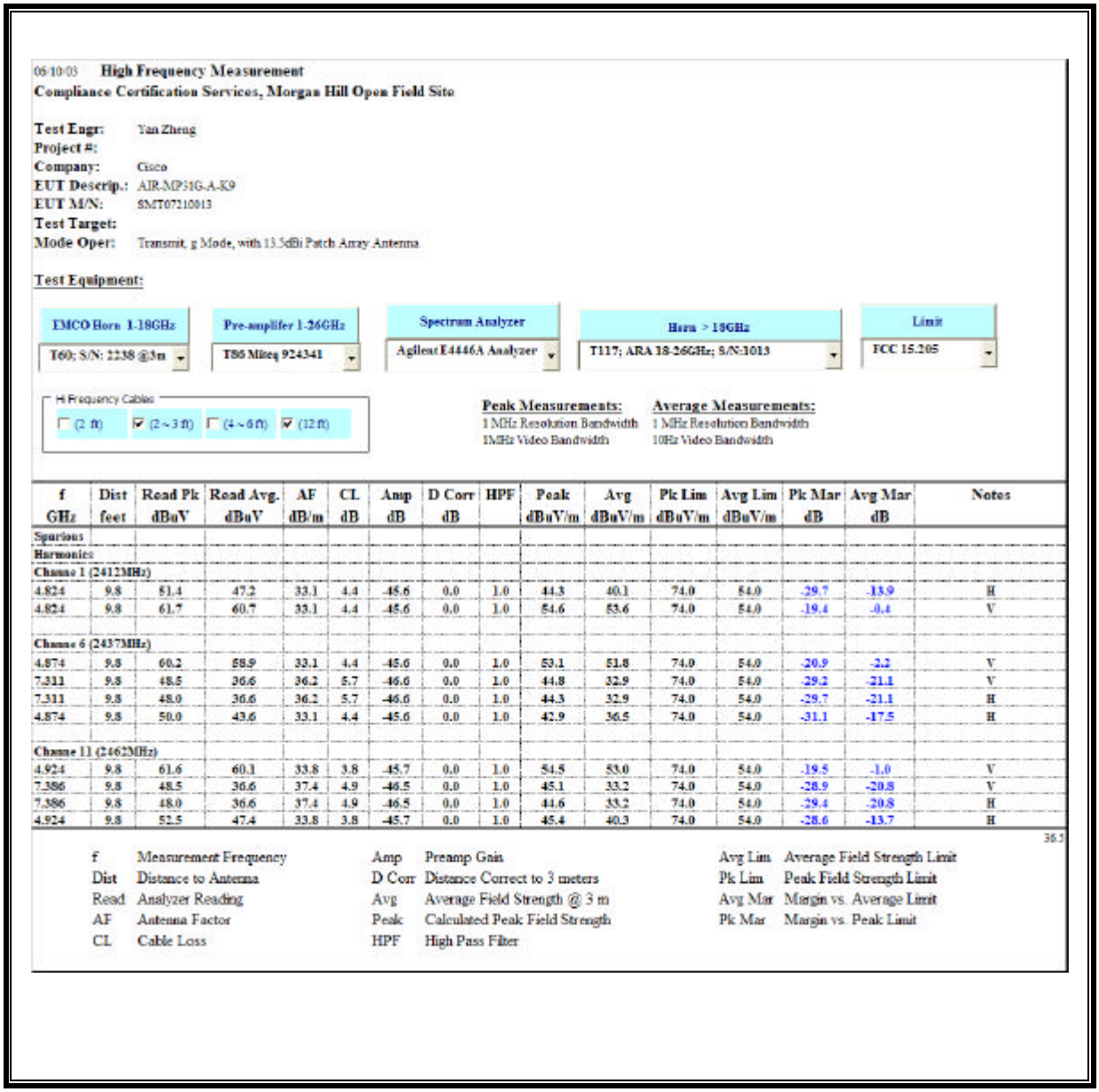
HIGH CH RESTRICTED, PEAK (802.11g mode, Vertical)



HIGH CH RESTRICTED, AVG (802.11g mode, Vertical)



HARMONICS AND SPURIOUS EMISSIONS (g MODE)



06/10/03 **High Frequency Measurement**

Compliance Certification Services, Morgan Hill Open Field Site

Test Engr: Yan Zheng
Project #:
Company: Cisco
EUT Descrip.: AIR-MP31G-A-K9
EUT M/N: SMT07210013
Test Target:
Mode Oper: Transmit, g Mode, with 13.5dBi Patch Array Antenna

Test Equipment:

EMCO Horn 1-18GHz	Pre-amplifer 1-26GHz	Spectrum Analyzer	Horn > 18GHz	Limit
T60; S/N: 2238 @3m	T86 Miteq 924341	Agilent E4446A Analyzer	T117; ARA 18-26GHz; S/N:1013	FCC 15.205

Hi Frequency Cables: ☐ (2 ft) ☑ (2 ~ 3 ft) ☐ (4 ~ 6 ft) ☑ (12 ft)

Peak Measurements: 1 MHz Resolution Bandwidth, 1MHz Video Bandwidth
Average Measurements: 1 MHz Resolution Bandwidth, 10Hz Video Bandwidth

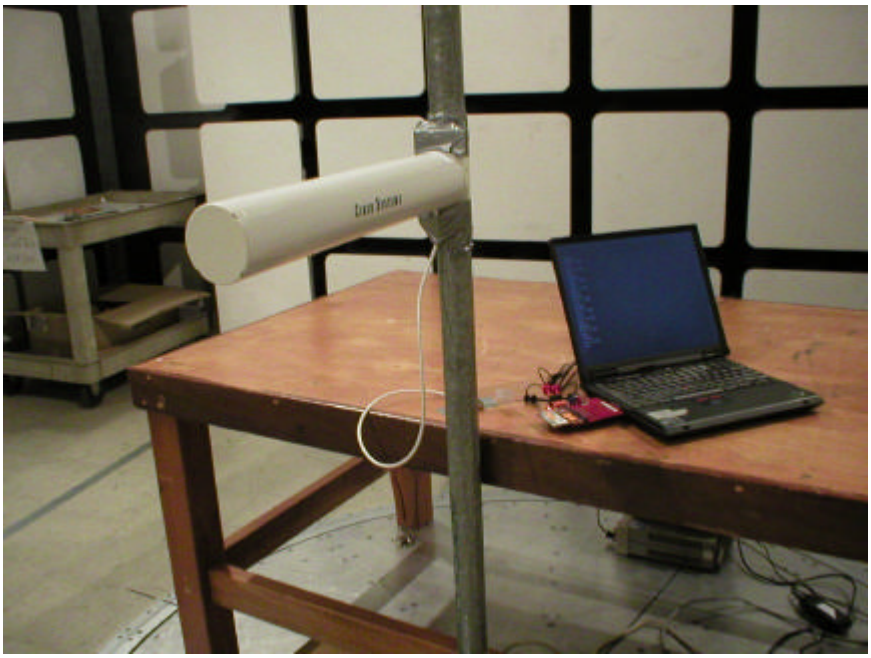
f GHz	Dist feet	Read Pk dBuV	Read Avg. dBuV	AF dB/m	CL dB	Amp dB	D Corr dB	HPF	Peak dBuV/m	Avg dBuV/m	Pk Lim dBuV/m	Avg Lim dBuV/m	Pk Mar dB	Avg Mar dB	Notes
Spurious															
Harmonics															
Channe 1 (2412MHz)															
4.824	9.8	51.4	47.2	33.1	4.4	-45.6	0.0	1.0	44.3	40.1	74.0	54.0	-29.7	-13.9	H
4.824	9.8	61.7	60.7	33.1	4.4	-45.6	0.0	1.0	54.6	53.6	74.0	54.0	-19.4	-0.4	V
Channe 6 (2437MHz)															
4.874	9.8	60.2	58.9	33.1	4.4	-45.6	0.0	1.0	53.1	51.8	74.0	54.0	-20.9	-2.2	V
7.311	9.8	48.5	36.6	36.2	5.7	-46.6	0.0	1.0	44.8	32.9	74.0	54.0	-29.2	-21.1	V
7.311	9.8	48.0	36.6	36.2	5.7	-46.6	0.0	1.0	44.3	32.9	74.0	54.0	-29.7	-21.1	H
4.874	9.8	50.0	43.6	33.1	4.4	-45.6	0.0	1.0	42.9	36.5	74.0	54.0	-31.1	-17.5	H
Channe 11 (2462MHz)															
4.924	9.8	61.6	60.1	33.8	3.8	-45.7	0.0	1.0	54.5	53.0	74.0	54.0	-19.5	-1.0	V
7.386	9.8	48.5	36.6	37.4	4.9	-46.5	0.0	1.0	45.1	33.2	74.0	54.0	-28.9	-20.8	V
7.386	9.8	48.0	36.6	37.4	4.9	-46.5	0.0	1.0	44.6	33.2	74.0	54.0	-29.4	-20.8	H
4.924	9.8	52.5	47.4	33.8	3.8	-45.7	0.0	1.0	45.4	40.3	74.0	54.0	-28.6	-13.7	H

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		

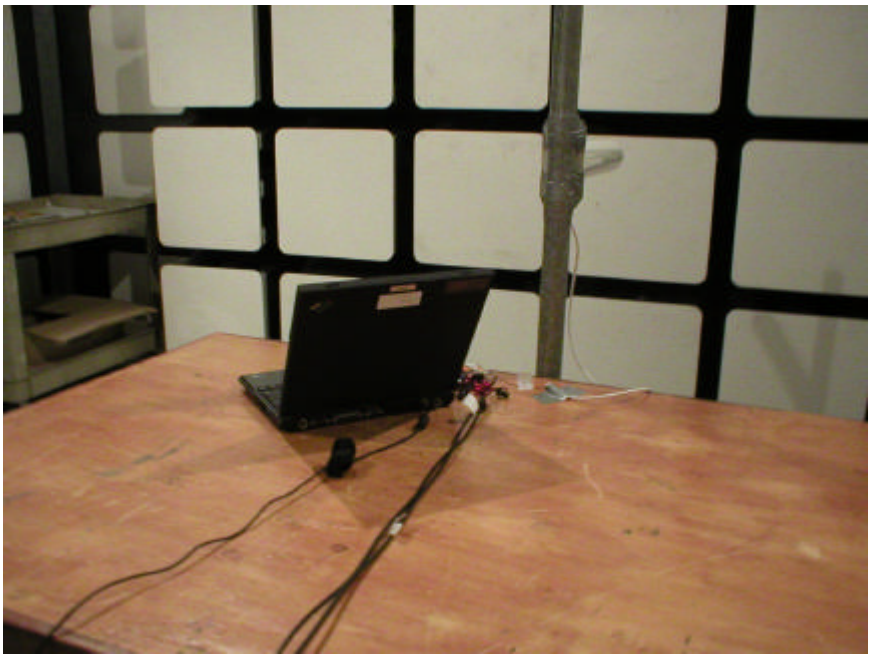
7.8.5. RADIATED EMISSIONS WITH 13.5 dBi YAGI ANTENNA

RADIATED RF MEASUREMENT SETUP

RADIATED FRONT PHOTO

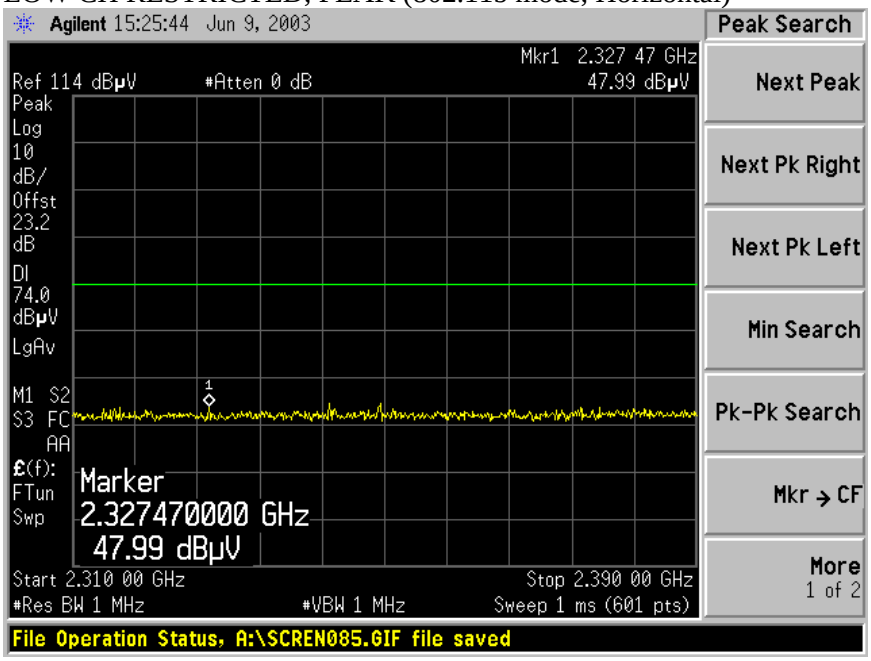


RADIATED BACK PHOTO

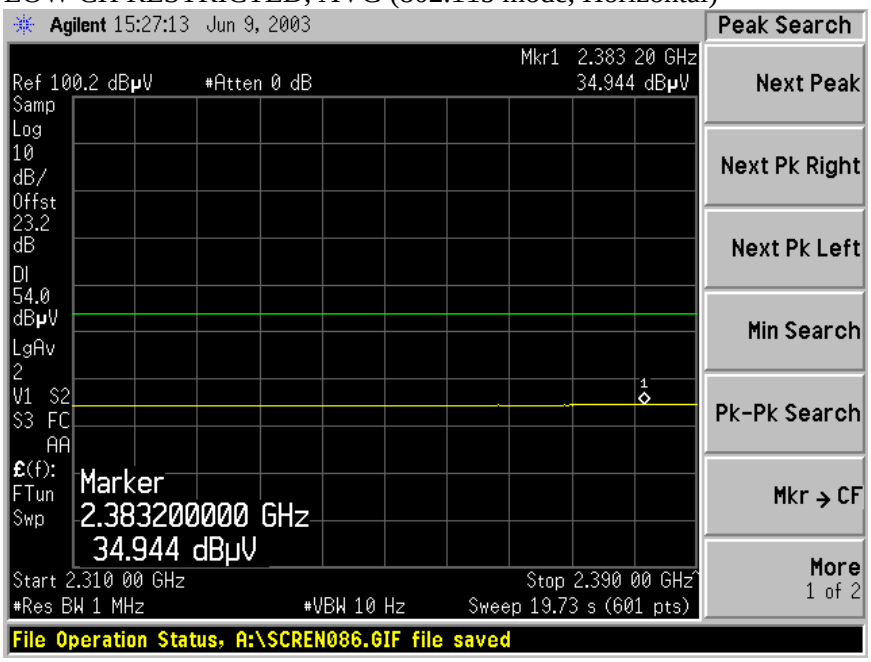


RESTRICTED BANDEDGE (b MODE, LOW CHANNEL, HORIZONTAL)

LOW CH RESTRICTED, PEAK (802.11b mode, Horizontal)

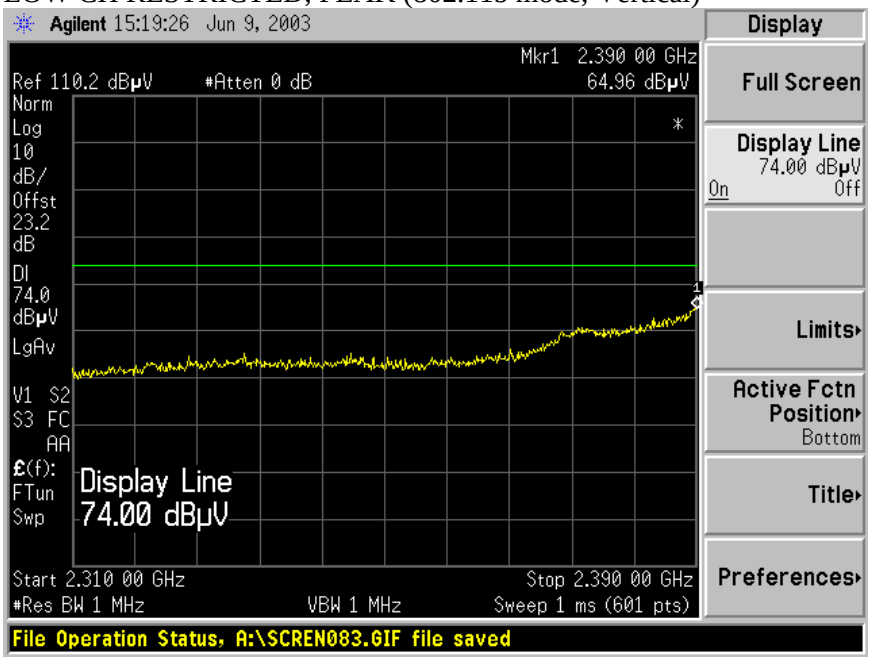


LOW CH RESTRICTED, AVG (802.11b mode, Horizontal)

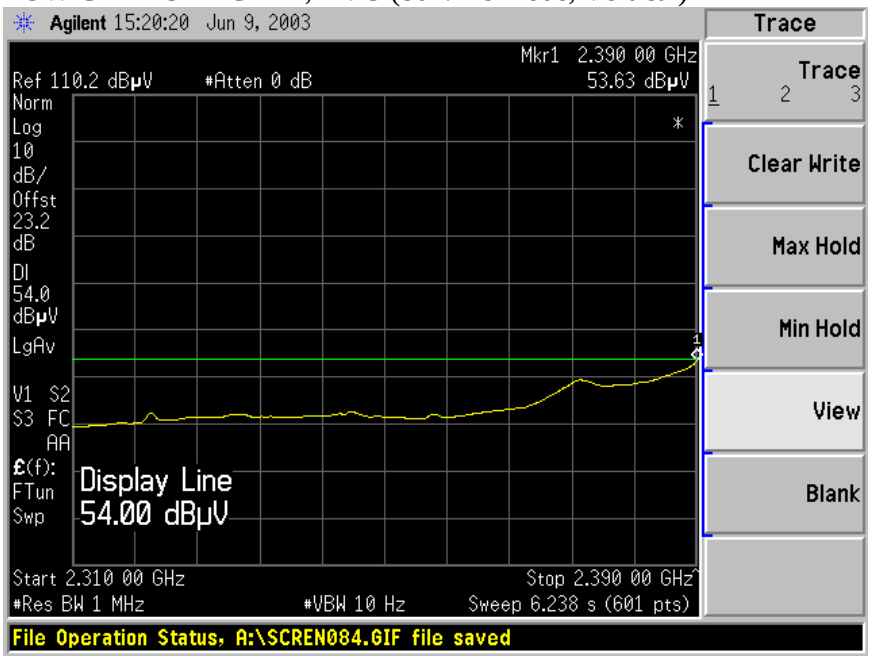


RESTRICTED BANDEDGE (b MODE, LOW CHANNEL, VERTICAL)

LOW CH RESTRICTED, PEAK (802.11b mode, Vertical)

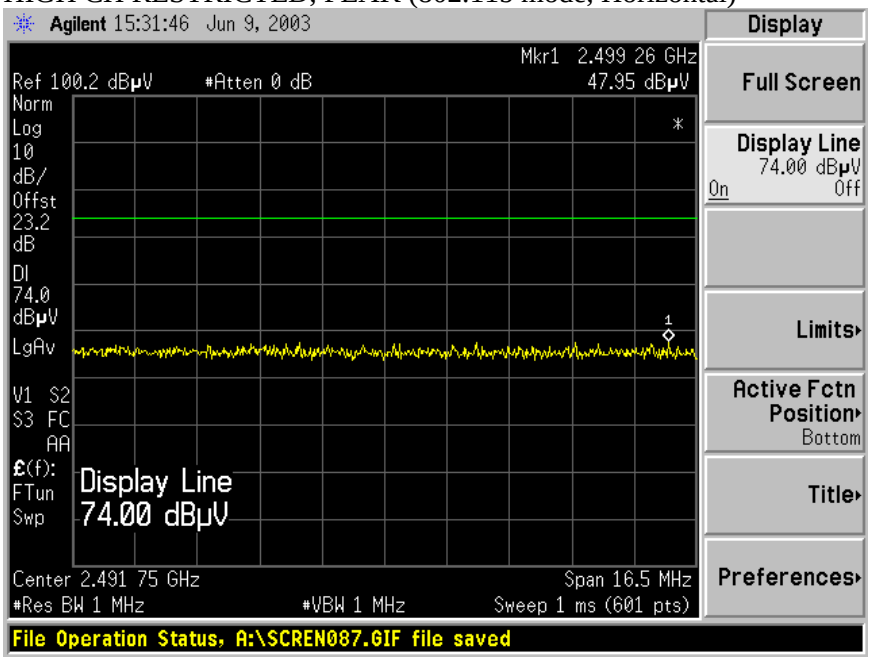


LOW CH RESTRICTED, AVG (802.11b mode, Vertical)

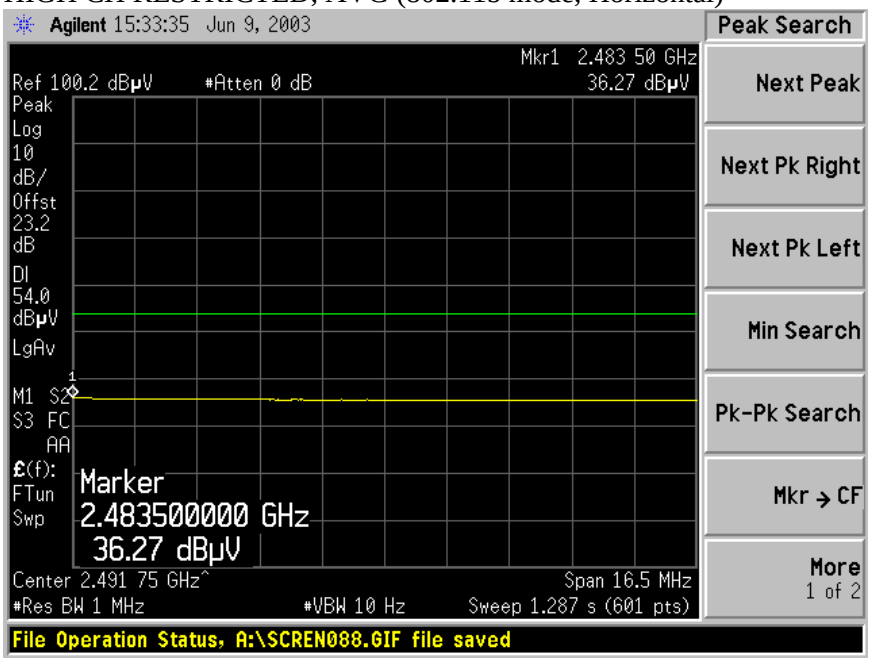


RESTRICTED BANDEDGE (b MODE, HIGH CHANNEL, HORIZONTAL)

HIGH CH RESTRICTED, PEAK (802.11b mode, Horizontal)

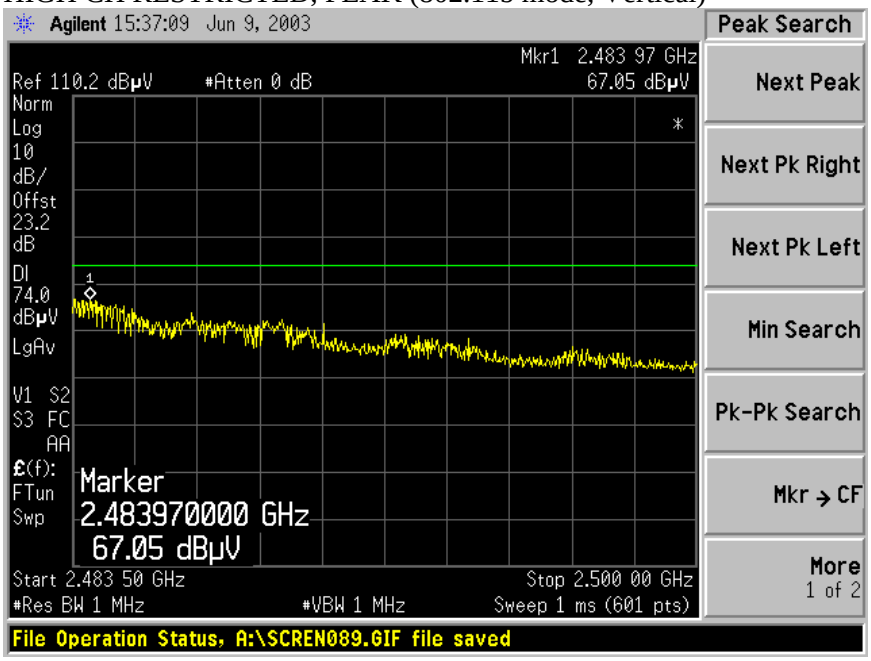


HIGH CH RESTRICTED, AVG (802.11b mode, Horizontal)

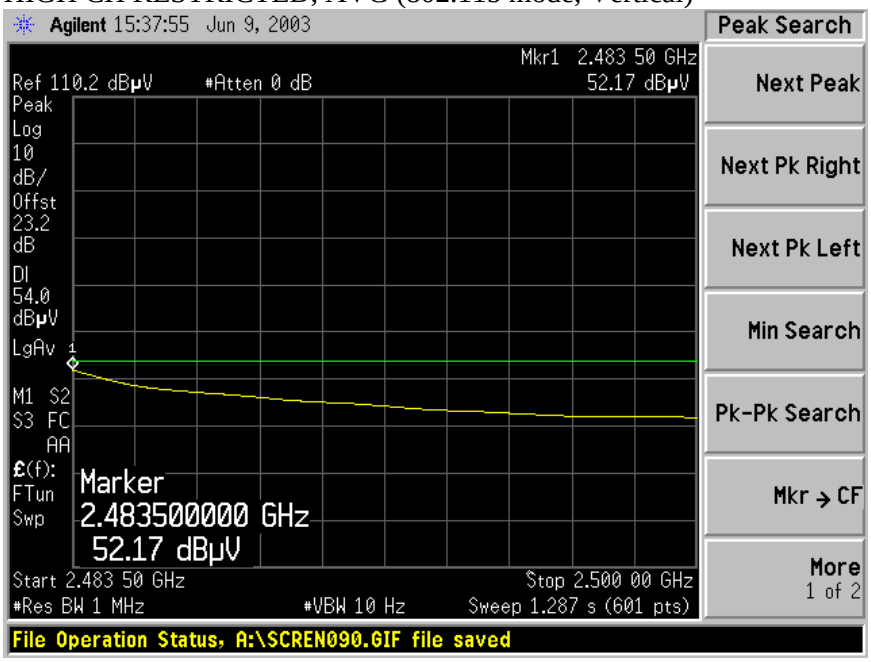


RESTRICTED BANDEDGE (b MODE, HIGH CHANNEL, VERTICAL)

HIGH CH RESTRICTED, PEAK (802.11b mode, Vertical)



HIGH CH RESTRICTED, AVG (802.11b mode, Vertical)



HARMONICS AND SPURIOUS EMISSIONS (b MODE)

06/10/03 **High Frequency Measurement**
Compliance Certification Services, Morgan Hill Open Field Site

Test Engr: Yan Zheng
Project #:
Company: Cisco
EUT Descrip.: AIR-MP350-A-K9
EUT M/N: SMT07210013
Test Target:
Mode Oper: Transmit, b Mode, with 13.5dBi Yagi Antenna

Test Equipment:

EMCO Horn 1-18GHz	Pre-amplifier 1-26GHz	Spectrum Analyzer	Horn > 18GHz	Limit
T60; S/N: 2238 @3m	T86 Miteq 924341	Agilent E4446A Analyzer	T117; ARA 18-26GHz; S/N:1013	FCC 15.205

Hi Frequency Cables: ☐ (2 ft) ☑ (2 – 3 ft) ☐ (4 – 6 ft) ☑ (12 ft)

Peak Measurements: 1 MHz Resolution Bandwidth, 1MHz Video Bandwidth
Average Measurements: 1 MHz Resolution Bandwidth, 10Hz Video Bandwidth

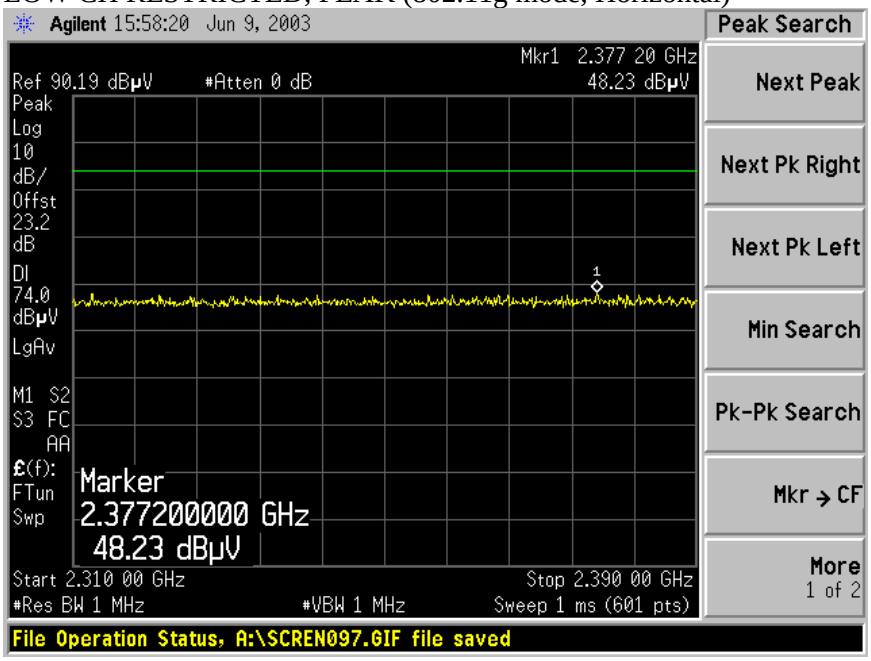
f GHz	Dist feet	Read Pk dBuV	Read Avg. dBuV	AF dB/m	CL dB	Amp dB	D Corr dB	HPF	Peak dBuV/m	Avg dBuV/m	Pk Lim dBuV/m	Avg Lim dBuV/m	Pk Mar dB	Avg Mar dB	Notes
Spurious															
Harmonics															
Channe 1 (2412MHz)															
4.824	9.8	53.2	48.8	33.1	4.4	-45.6	0.0	1.0	46.1	41.7	74.0	54.0	-27.9	-12.3	H
4.824	9.8	58.6	57.5	33.1	4.4	-45.6	0.0	1.0	51.5	50.4	74.0	54.0	-22.5	-3.6	V
Channe 6 (2437MHz)															
4.874	9.8	53.8	49.3	33.1	4.4	-45.6	0.0	1.0	46.7	42.2	74.0	54.0	-27.3	-11.8	H
7.311	9.8	52.7	45.0	36.2	5.7	-46.6	0.0	1.0	49.0	41.3	74.0	54.0	-25.0	-12.7	H
7.311	9.8	57.2	40.6	36.2	5.7	-46.6	0.0	1.0	53.5	36.9	74.0	54.0	-20.5	-17.1	V
4.874	9.8	55.7	54.1	33.1	4.4	-45.6	0.0	1.0	48.6	47.0	74.0	54.0	-25.4	-7.0	V
Channe 11 (2462MHz)															
4.924	9.8	59.1	57.3	33.2	4.5	-45.7	0.0	1.0	52.0	50.2	74.0	54.0	-22.0	-3.8	V
7.386	9.8	48.5	36.6	36.3	5.7	-46.5	0.0	1.0	45.0	33.1	74.0	54.0	-29.0	-20.9	V
7.386	9.8	48.0	36.6	36.3	5.7	-46.5	0.0	1.0	44.5	33.1	74.0	54.0	-29.5	-20.9	H
4.924	9.8	57.1	54.8	33.2	4.5	-45.7	0.0	1.0	50.1	47.7	74.0	54.0	-23.9	-6.3	H

36.5

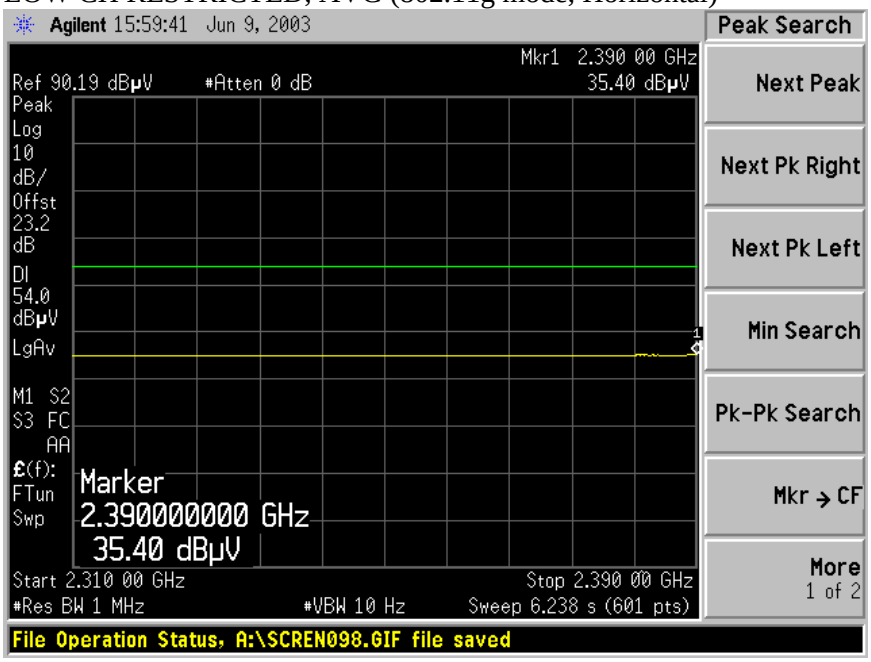
f	Measurement Frequency	Amp	Preamp Gain	Avg Lim	Average Field Strength Limit
Dist	Distance to Antenna	D Corr	Distance Correct to 3 meters	Pk Lim	Peak Field Strength Limit
Read	Analyzer Reading	Avg	Average Field Strength @ 3 m	Avg Mar	Margin vs. Average Limit
AF	Antenna Factor	Peak	Calculated Peak Field Strength	Pk Mar	Margin vs. Peak Limit
CL	Cable Loss	HPF	High Pass Filter		

RESTRICTED BANDEDGE (g MODE, LOW CHANNEL, HORIZONTAL)

LOW CH RESTRICTED, PEAK (802.11g mode, Horizontal)

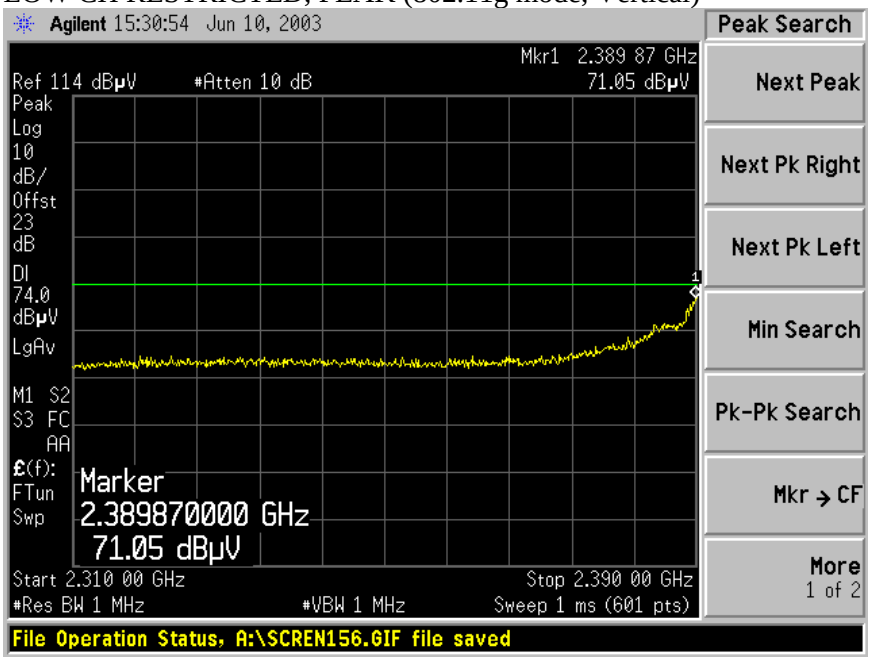


LOW CH RESTRICTED, AVG (802.11g mode, Horizontal)

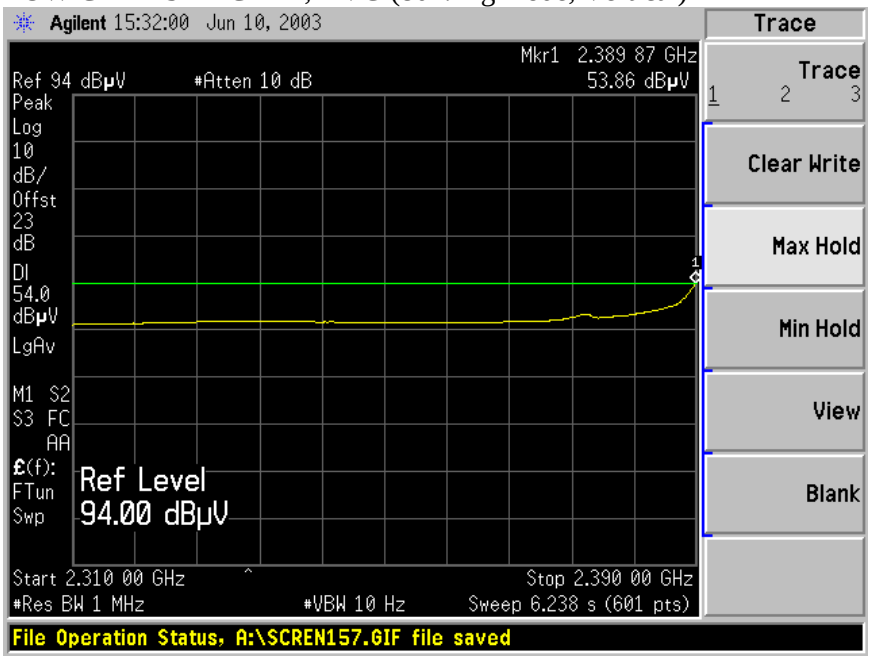


RESTRICTED BANDEDGE (g MODE, LOW CHANNEL, VERTICAL)

LOW CH RESTRICTED, PEAK (802.11g mode, Vertical)

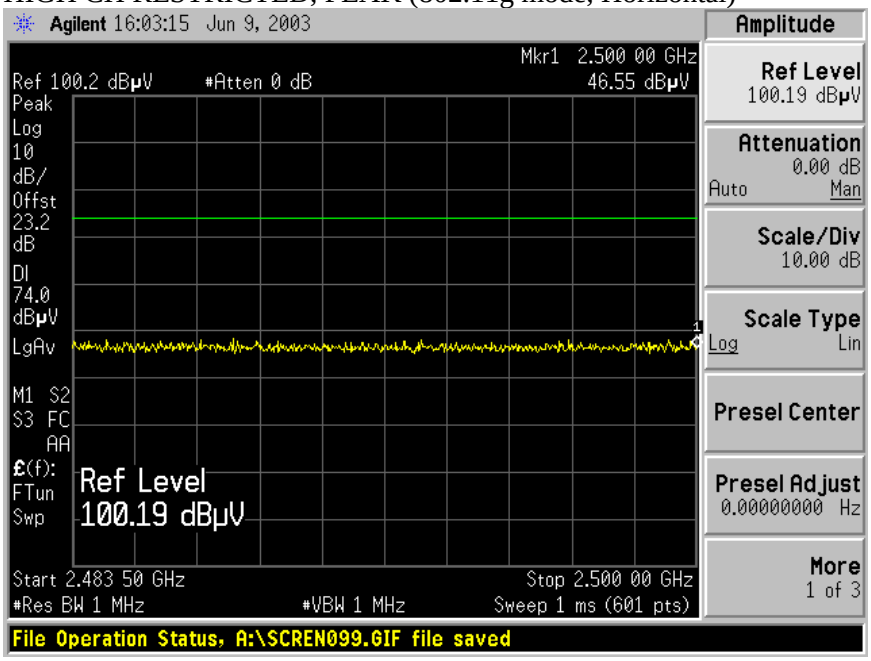


LOW CH RESTRICTED, AVG (802.11g mode, Vertical)

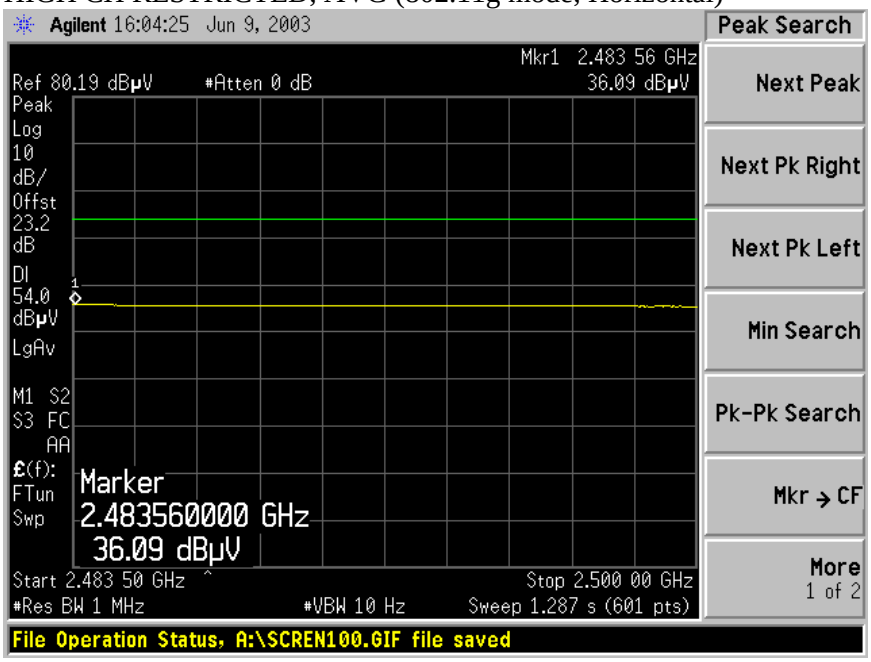


RESTRICTED BANDEDGE (g MODE, HIGH CHANNEL, HORIZONTAL)

HIGH CH RESTRICTED, PEAK (802.11g mode, Horizontal)

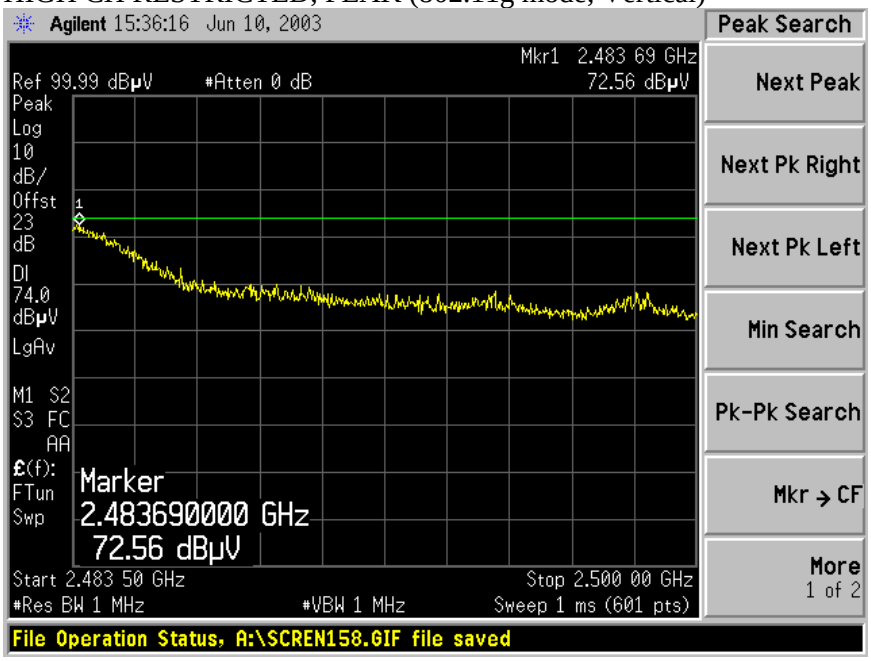


HIGH CH RESTRICTED, AVG (802.11g mode, Horizontal)

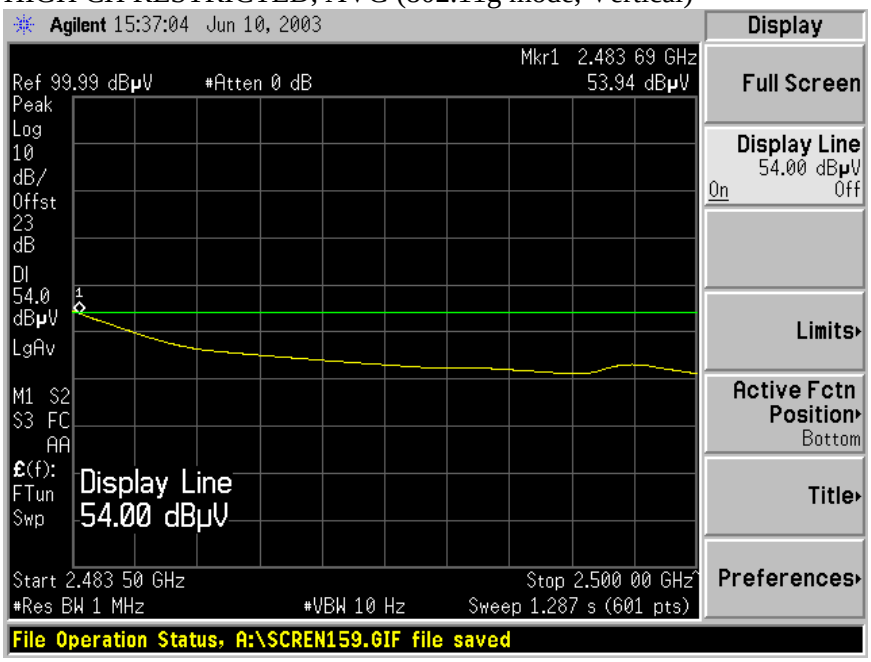


RESTRICTED BANDEDGE (g MODE, HIGH CHANNEL, VERTICAL)

HIGH CH RESTRICTED, PEAK (802.11g mode, Vertical)



HIGH CH RESTRICTED, AVG (802.11g mode, Vertical)



HARMONICS AND SPURIOUS EMISSIONS (g MODE)

06/10/03 **High Frequency Measurement**
Compliance Certification Services, Morgan Hill Open Field Site

Test Engr: Yan Zheng
Project #:
Company: Cisco
EUT Descrip.: AIR-MP350-A-K9
EUT M/N: SMT07210013
Test Target:
Mode Oper: Transmit, g Mode, with 13.5dBi Yagi Antenna

Test Equipment:

EMCO Horn 1-18GHz	Pre-amplifier 1-26GHz	Spectrum Analyzer	Horn > 18GHz	Limit
T60; S/N: 2238 @3m	T86 Miteq 924341	Agilent E4446A Analyzer	T117; ARA 18-26GHz; S/N:1013	FCC 15.205

Hi Frequency Cables: ☐ (2 ft) ☑ (2 – 3 ft) ☐ (4 – 6 ft) ☑ (12 ft)

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
Spurious															
Harmonics															
Channe 1 (2412MHz)															
4.824	9.8	53.2	50.2	33.1	4.4	-45.6	0.0	1.0	46.1	43.1	74.0	54.0	-27.9	-10.9	H
4.824	9.8	58.7	57.6	33.1	4.4	-45.6	0.0	1.0	51.6	50.5	74.0	54.0	-22.4	-3.5	V
Channe 6 (2437MHz)															
4.874	9.8	53.4	49.7	33.1	4.4	-45.6	0.0	1.0	46.3	42.6	74.0	54.0	-27.7	-11.4	H
7.311	9.8	52.7	45.0	36.2	5.7	-46.6	0.0	1.0	49.0	41.3	74.0	54.0	-25.0	-12.7	H
7.311	9.8	57.2	40.6	36.2	5.7	-46.6	0.0	1.0	53.5	36.9	74.0	54.0	-20.5	-17.1	V
4.874	9.8	56.8	54.2	33.1	4.4	-45.6	0.0	1.0	49.7	47.2	74.0	54.0	-24.3	-6.8	V
Channe 11 (2462MHz)															
4.924	9.8	59.1	57.6	33.2	4.5	-45.7	0.0	1.0	52.0	50.5	74.0	54.0	-22.0	-3.5	V
7.386	9.8	48.5	36.6	36.3	5.7	-46.5	0.0	1.0	45.0	33.1	74.0	54.0	-29.0	-20.9	V
7.386	9.8	48.0	36.6	36.3	5.7	-46.5	0.0	1.0	44.5	33.1	74.0	54.0	-29.5	-20.9	H
4.924	9.8	57.8	55.2	33.2	4.5	-45.7	0.0	1.0	50.7	48.1	74.0	54.0	-23.3	-5.9	H

36.5

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		

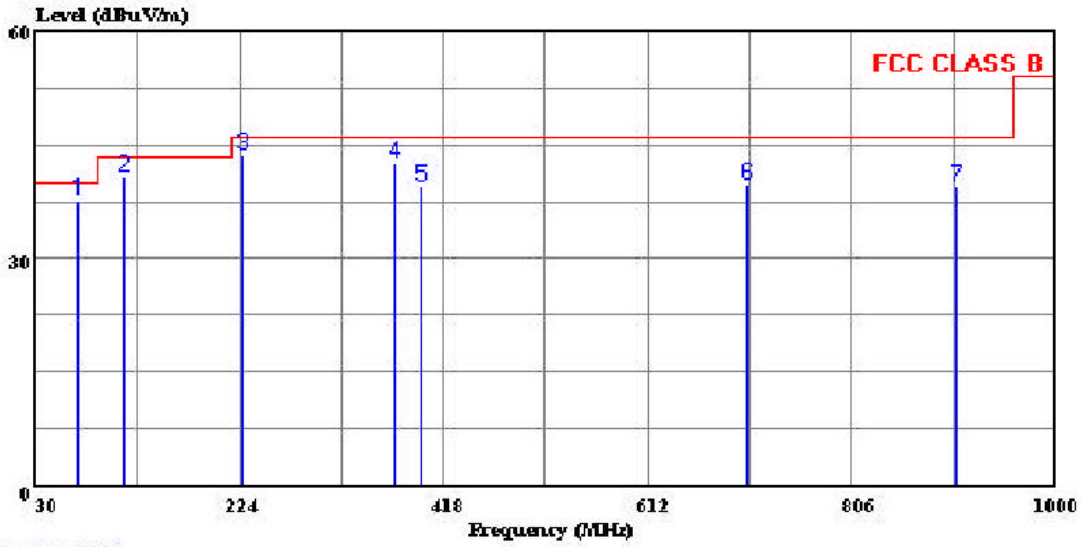
7.8.6. WORST-CASE RADIATED EMISSIONS BELOW 1 GHz

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, HORIZONTAL)

HORIZONTAL PLOT

COMPLIANCE Engineering Service, Inc.
561F Monterey Road
San Jose, CA 95131
Tel: (408) 463-0888
Fax: (408) 463-0885

Data#: 4 File#: low30-1GHz.EMI Date: 12-08-2003 Time: 19:03:07



(Audix ATC)

Trace: Ref Trace:

Condition: FCC CLASS B CHAMBER 030306 1185 HORIZONTAL
Test Eng: : Thanh Nguyen
Project #: : 03U2409
Company: : CISCO System
EUT: : CardBus
Model No: : 1200B
Configuration: : EUT Plugi n IBM LapTop w/Extender card
Target of Test: : FCC15.247
Mode of Operation: Worst case Tx

HORIZONTAL DATA

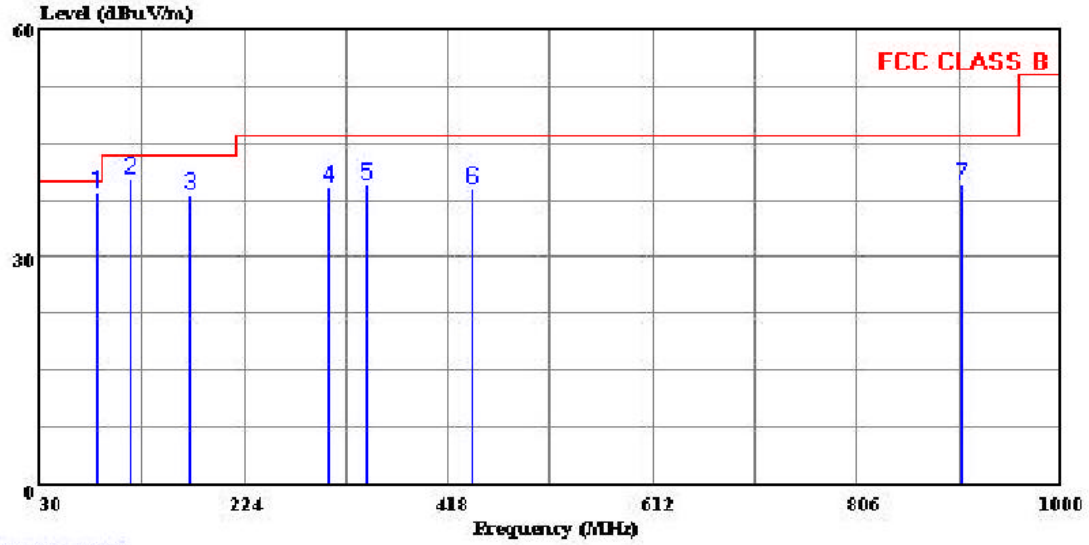
	Freq	Remark	Read Level	Factor	Level	Limit Line	Over Limit
	MHz		dBuV	dB	dBuV/m	dBuV/m	dB
1	70.740	Peak	29.00	8.55	37.55	40.00	-2.45
2	113.420	Peak	29.65	11.06	40.71	43.50	-2.79
3	227.880	Peak	31.54	12.07	43.61	46.00	-2.39
4	371.440	Peak	26.67	15.80	42.47	46.00	-3.53
5	397.630	Peak	23.19	16.40	39.59	46.00	-6.41
6	706.090	Peak	18.37	21.39	39.76	46.00	-6.24
7	904.940	Peak	15.72	23.83	39.55	46.00	-6.45

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, VERTICAL)

VERTICAL PLOT

561F Monterey Road
San Jose, CA 95131
Tel: (408) 463-0888
Fax: (408) 463-0885

Data#: 2 File#: low30-1GHz.EMI Date: 12-08-2003 Time: 18:37:13



(Audix ATC)

Trace: Ref Trace:

Condition: FCC CLASS B CHAMBER 030306 1185 VERTICAL
Test Eng: : Thanh Nguyen
Project #: : 03U2409
Company: : CISCO System
EUT: : CardBus
Model No: : 1200B
Configuration: : EUT Plugi n IBM LapTop w/Extender card
Target of Test: : FCC15.247
Mode of Operation: Worst case Tx

VERTICAL DATA

	Freq	Remark	Read Level	Factor	Level	Limit Line	Over Limit
	MHz		dBuV	dB	dBuV/m	dBuV/m	dB
1	85.290	Peak	30.19	8.16	38.35	40.00	-1.65
2	116.330	Peak	28.99	11.31	40.30	43.50	-3.20
3	172.590	Peak	28.14	10.16	38.30	43.50	-5.20
4	303.540	Peak	25.23	13.89	39.12	46.00	-6.88
5	339.430	Peak	24.53	14.93	39.46	46.00	-6.54
6	440.310	Peak	21.38	17.49	38.87	46.00	-7.13
7	904.940	Peak	15.53	23.83	39.36	46.00	-6.64

7.9. POWERLINE CONDUCTED EMISSIONS

LIMIT

§15.207 (a) Except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50 µH/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal.

The lower limit applies at the boundary between the frequency ranges.

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56 *	56 to 46 *
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency.

TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.4.

The resolution bandwidth is set to 9 kHz for both peak detection and quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

Line conducted data is recorded for both NEUTRAL and HOT lines.

RESULTS

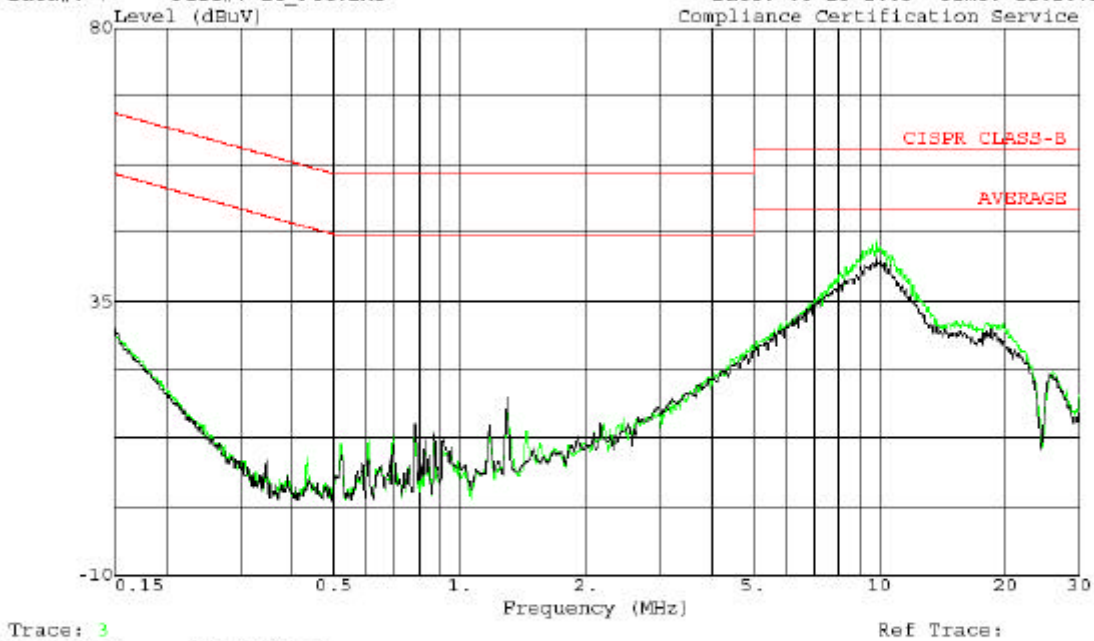
No non-compliance noted:

6 WORST EMISSIONS

CONDUCTED EMISSIONS DATA (115VAC 60Hz)									
Freq.	Reading			Closs	Limit	EN_B	Margin		Remark
(MHz)	PK (dBuV)	QP (dBuV)	AV (dBuV)	(dB)	QP	AV	QP (dB)	AV (dB)	L1 / L2
0.15	29.28	--	--	0.00	66.00	56.00	-36.72	-26.72	L1
9.86	45.06	--	--	0.00	60.00	50.00	-14.94	-4.94	L1
18.14	31.58	--	--	0.00	60.00	50.00	-28.42	-18.42	L1
0.15	30.70	--	--	0.00	65.97	55.97	-35.27	-25.27	L2
9.86	42.42	--	--	0.00	60.00	50.00	-17.58	-7.58	L2
18.52	30.54	--	--	0.00	60.00	50.00	-29.46	-19.46	L2
6 Worst Data									

RESULTS

561F Monterey Road,
San Jose, CA 95037 USA
Tel: (408) 463-0885
Fax: (408) 463-0888

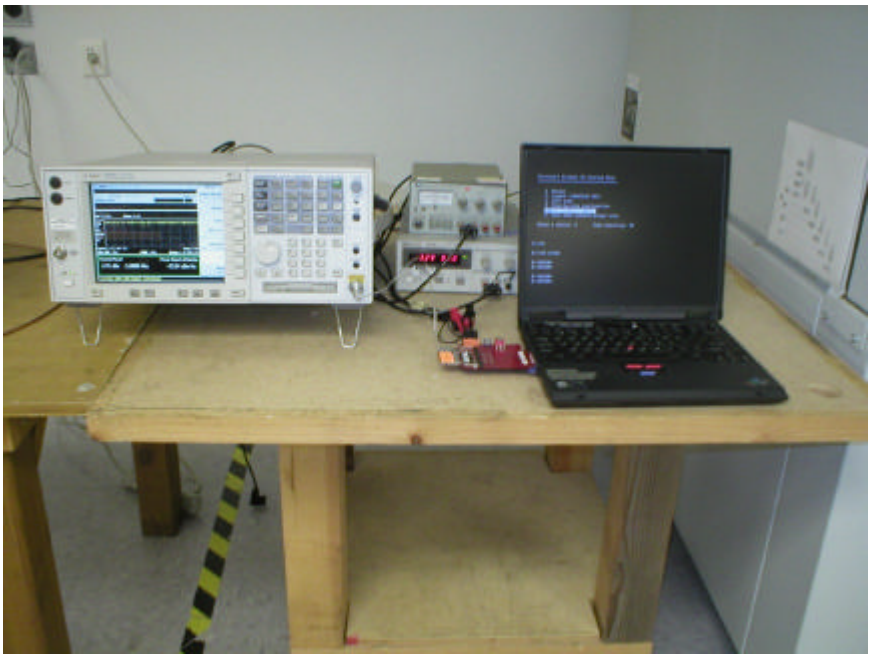


Trace: 3 Ref Trace:
Project # : 03U2031-1
Test Engineer : Frank Ibrahim
Company : Cisco Systems
EUT : 802.11 b/g mini-PCI Card
Model : AIR-MP31G-A
Configuration : EUT, Laptop, 2 Power Supplies
:
Target of Test: FCC 15.247 (Using Cispr limits)
: PEAK: L1 (Green), Line 2 (Black)
: 115VAC, 60Hz
: EUT transmitting at Worst Case

8. SETUP PHOTOS

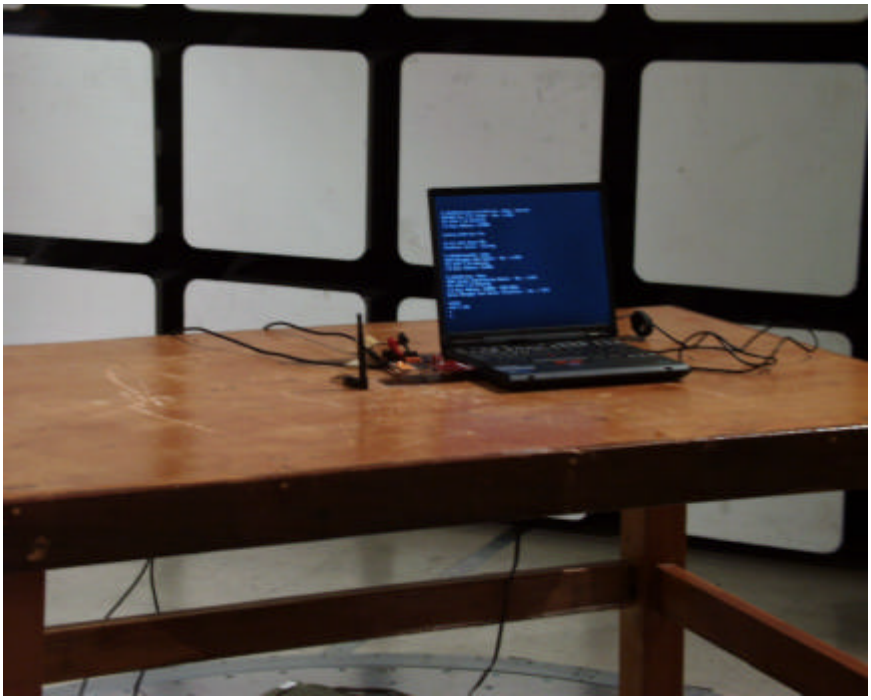
ANTENNA PORT CONDUCTED RF MEASUREMENT SETUP

ANTENNA PORT CONDUCTED PHOTO

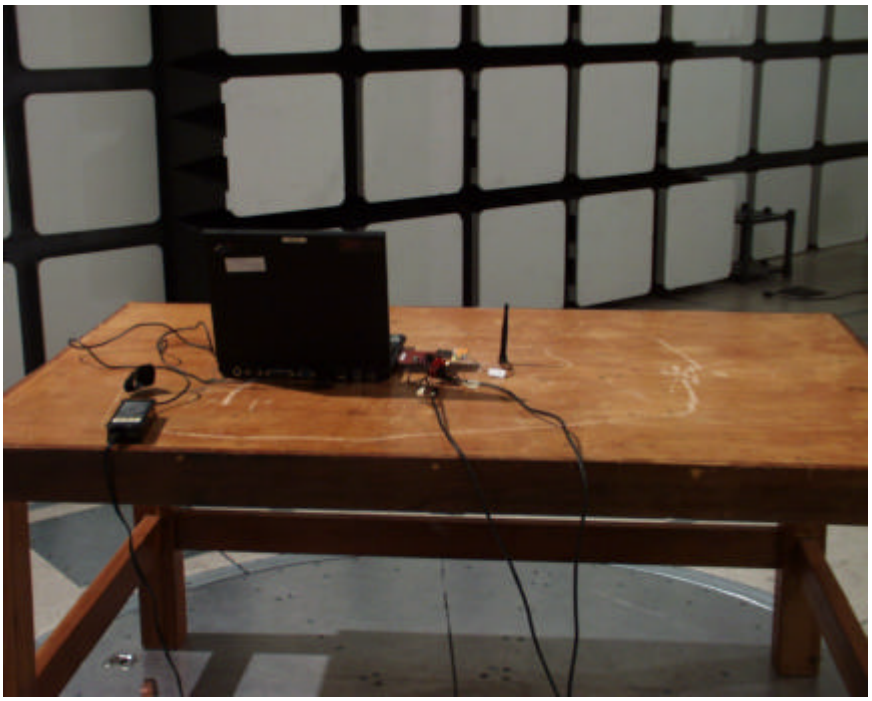


RADIATED RF MEASUREMENT SETUP

RADIATED FRONT PHOTO



RADIATED BACK PHOTO



POWERLINE CONDUCTED EMISSIONS MEASUREMENT SETUP

LINE CONDUCTED FRONT PHOTO

LINE CONDUCTED BACK PHOTO

END OF REPORT