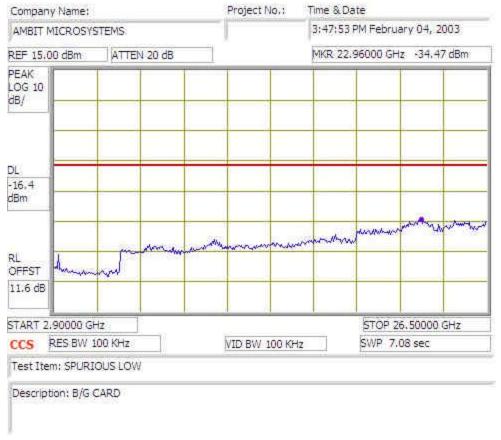
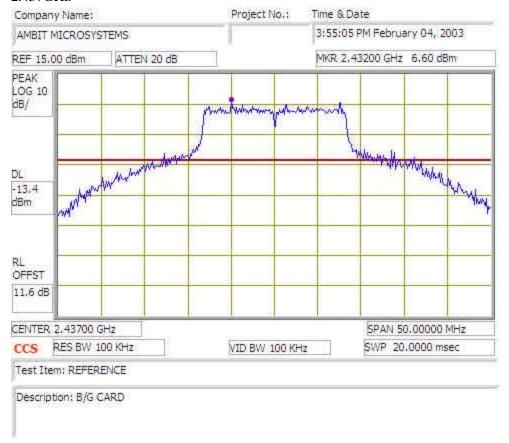
EUT: 802.11 b/g MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP



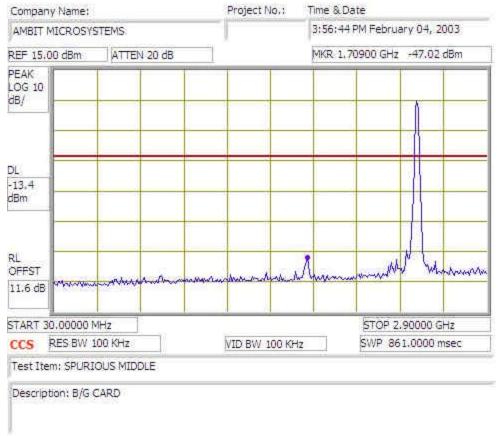
EUT: 802.11 b/g MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP

FCC ID: MCLJ07H06902

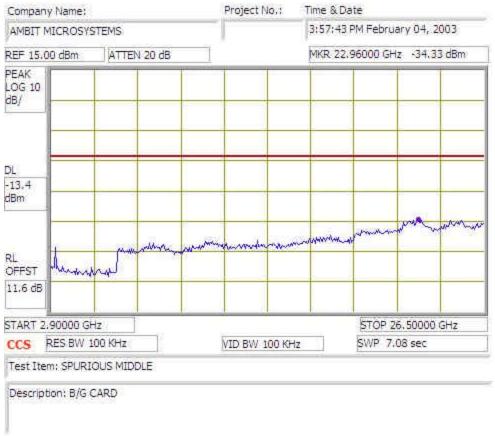
2.437GHz



EUT: 802.11 b/g MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP



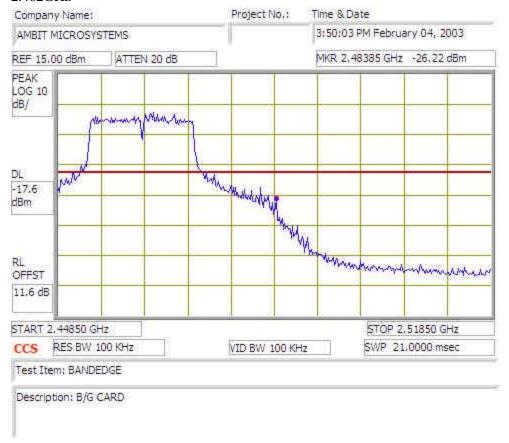
EUT: 802.11 b/g MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP



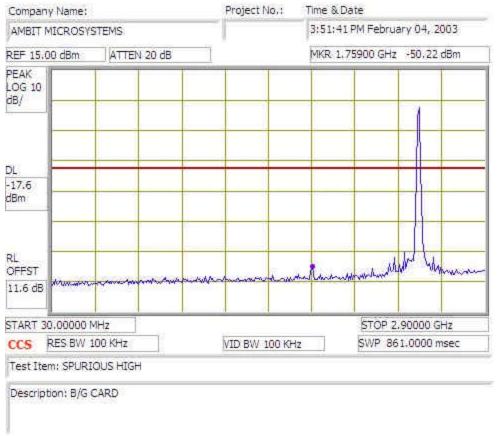
EUT: 802.11 b/g MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP

FCC ID: MCLJ07H06902

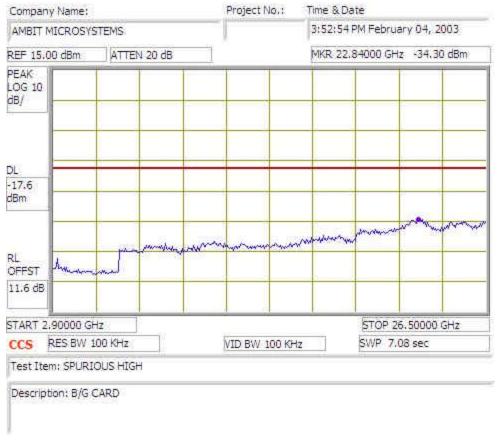
2.462GHz



EUT: 802.11 b/g MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP



EUT: 802.11 b/g MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP



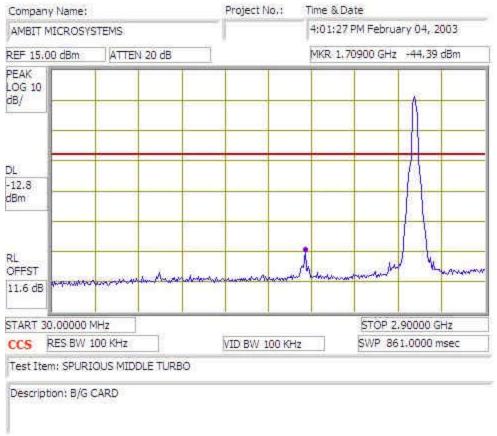
EUT: 802.11 b/g MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP

FCC ID: MCLJ07H06902

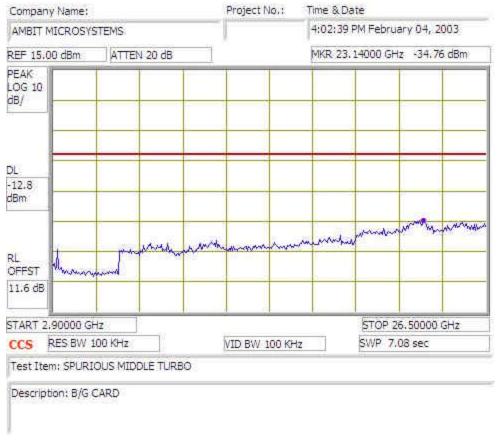
CONDUCTED SPURIOUS EMISSIONS (2.4 GHZ g BAND, TURBO MODE)



EUT: 802.11 b/g MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP



EUT: 802.11 b/g MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP



EUT: 802.11 b/g MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP

FCC ID: MCLJ07H06902

8.6. RADIATED EMISSIONS

TEST SETUP

The EUT is placed on the wooden table. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.4/1992.

The EUT is set to transmit in a continuous mode.

TEST PROCEDURE

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For measurements above 1 GHz, the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 1 MHz for peak measurements and 10 Hz for average measurements.

The spectrum from 30 MHz to 26 GHz is investigated with the transmitter set to the lowest, middle, and highest channels within the 2.4 GHz band.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The frequency span is set small enough to easily differentiate between broadcast stations, intermittent ambient signals and EUT emissions. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the suspected signal. Measurements were made with the antenna polarized in both the vertical and the horizontal positions.

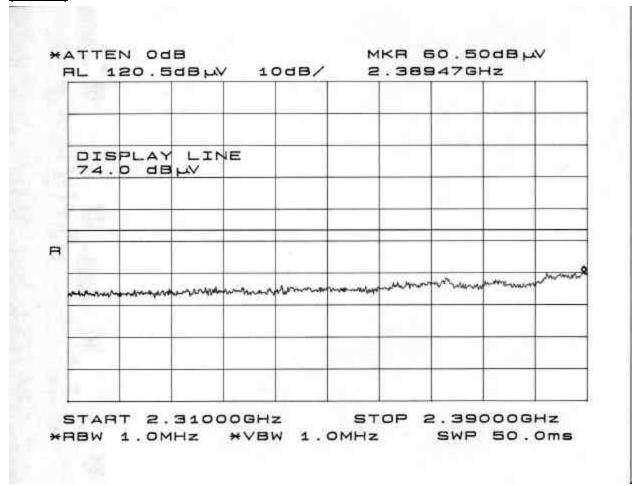
TEST RESULTS

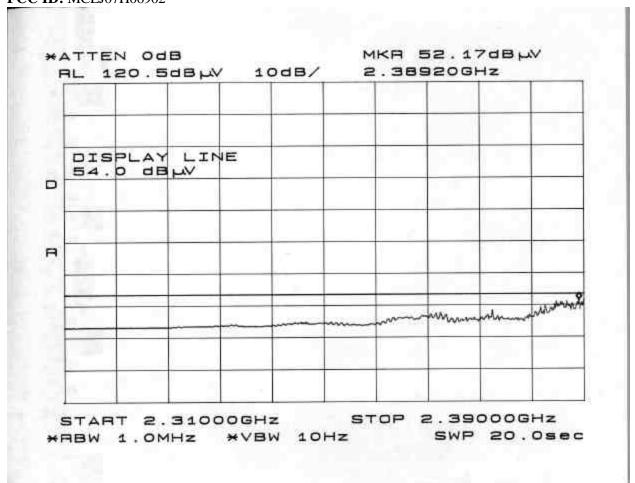
No non-compliance noted:

EUT: 802.11 b/g MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP

FCC ID: MCLJ07H06902

RESTRICTED BAND RADIATED EMISSIONS (LOW CHANNEL, HORIZONTAL POLARIZATION) (B MODE)

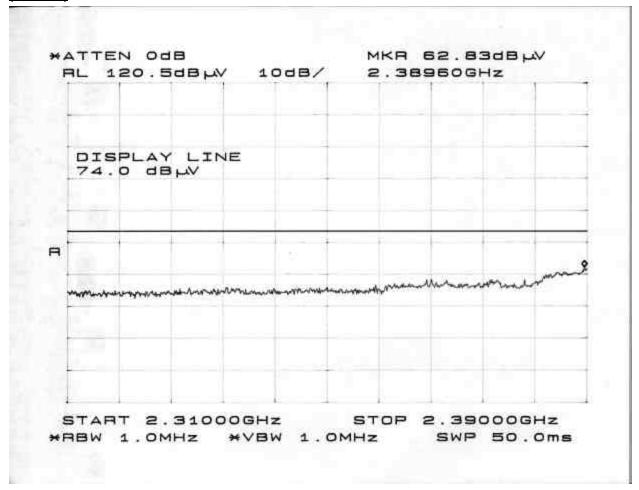


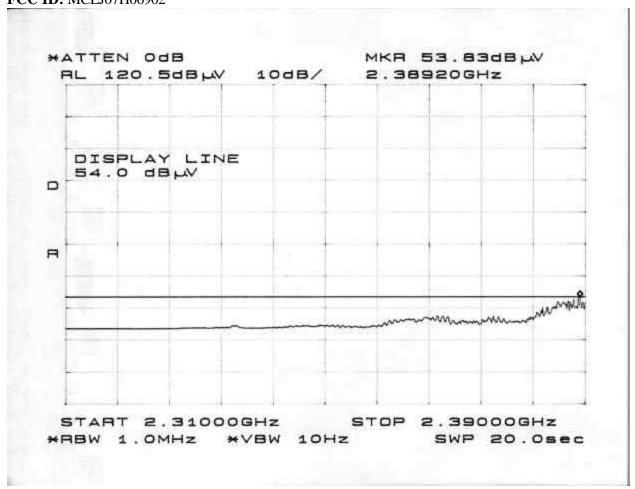


EUT: 802.11 b/g MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP

FCC ID: MCLJ07H06902

RESTRICTED BAND RADIATED EMISSIONS (LOW CHANNEL, VERTICAL POLARIZATION) (B MODE)

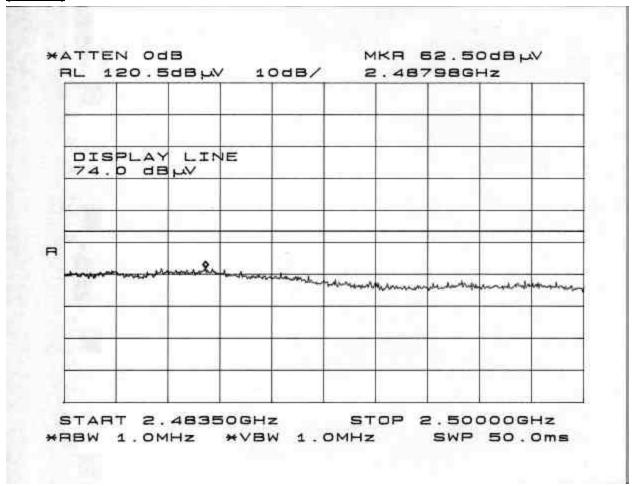


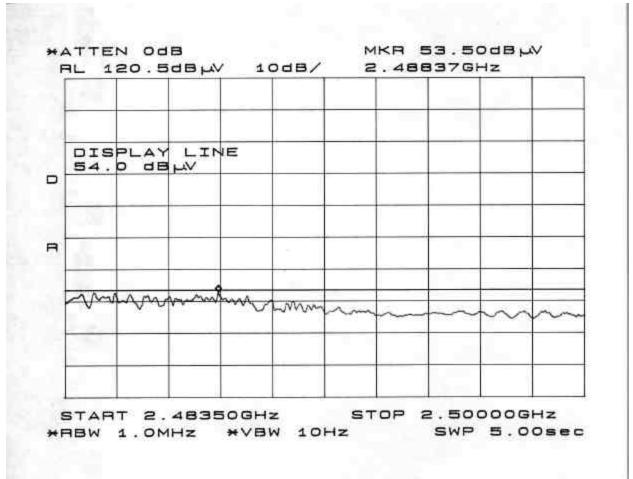


EUT: 802.11 b/g MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP

FCC ID: MCLJ07H06902

RESTRICTED BAND RADIATED EMISSIONS (HIGH CHANNEL, HORIZONTAL POLARIZATION) (B MODE)

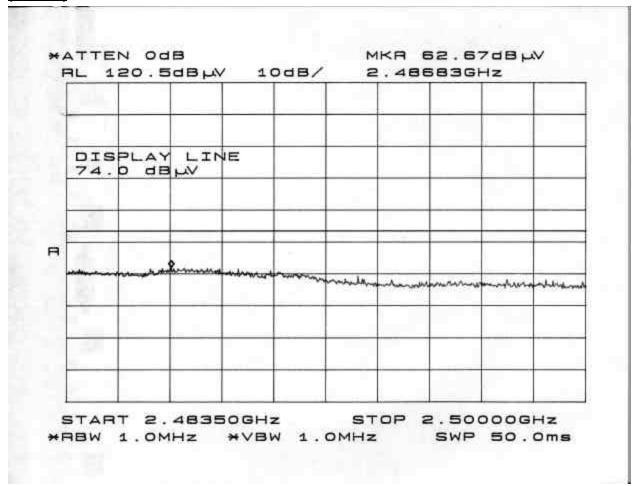


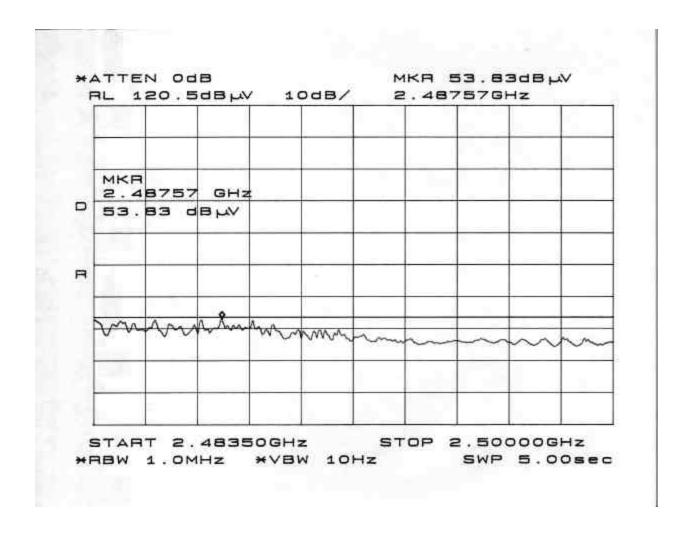


EUT: 802.11 b/g MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP

FCC ID: MCLJ07H06902

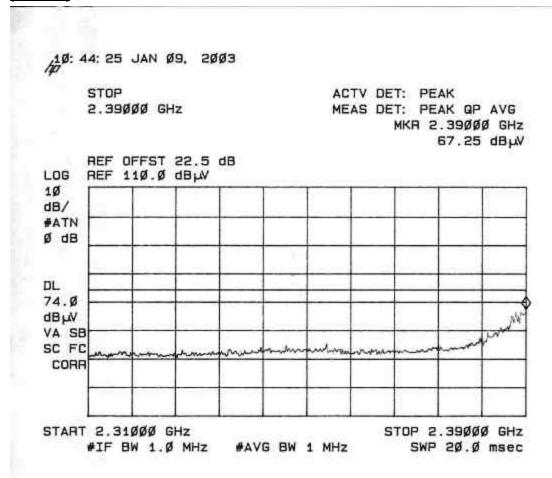
RESTRICTED BAND RADIATED EMISSIONS (HIGH CHANNEL, VERTICAL POLARIZATION) (B MODE)



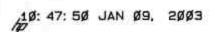


FCC ID: MCLJ07H06902

RESTRICTED BAND RADIATED EMISSIONS (LOW CHANNEL, HORIZONTAL POLARIZATION) (G MODE)



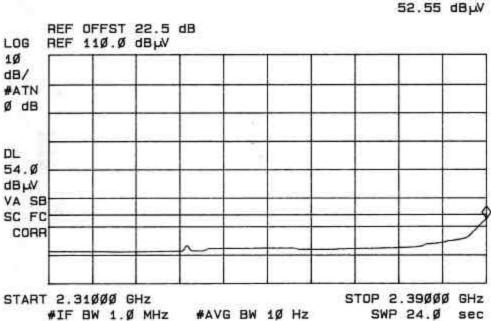
FCC ID: MCLJ07H06902



DISPLAY LINE 54.Ø dBµV ACTV DET: PEAK

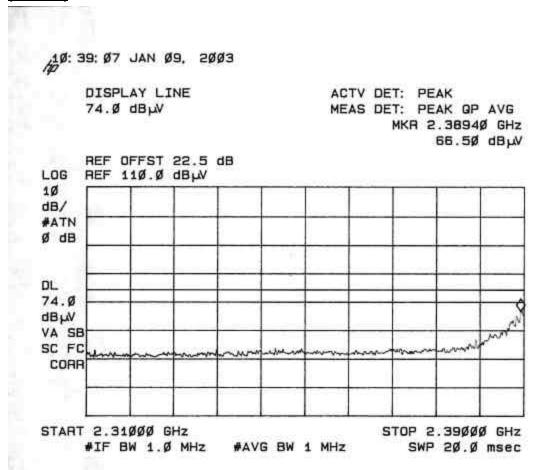
MEAS DET: PEAK QP AVG

MKR 2.39ØØØ GHz

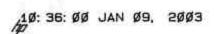


FCC ID: MCLJ07H06902

RESTRICTED BAND RADIATED EMISSIONS (LOW CHANNEL, VERTICAL POLARIZATION) (G MODE)



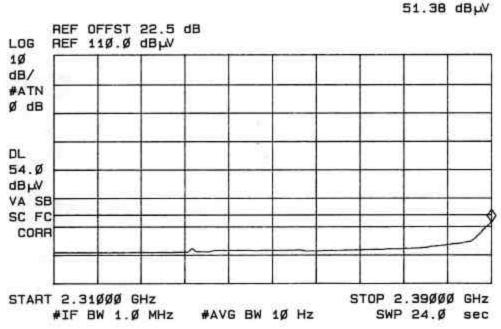
FCC ID: MCLJ07H06902



DISPLAY LINE 54.0 dBW ACTV DET: PEAK

MEAS DET: PEAK GP AVG

MKR 2.39ØØØ GHz



FCC ID: MCLJ07H06902

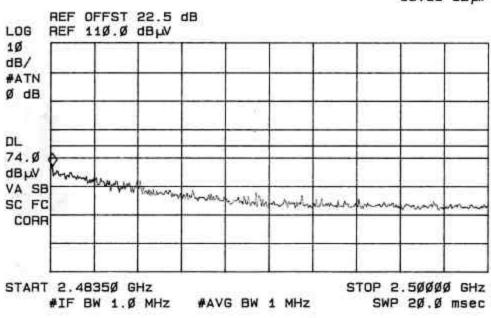
RESTRICTED BAND RADIATED EMISSIONS (HIGH CHANNEL, HORIZONTAL POLARIZATION) (G MODE)

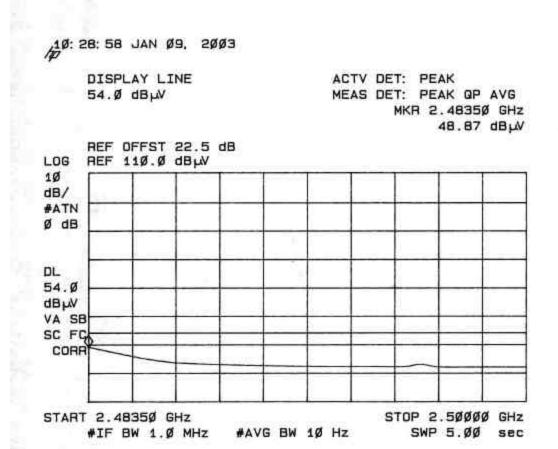
10: 26: 03 JAN 09, 2003

DISPLAY LINE 74.0 dBW ACTY DET: PEAK

MEAS DET: PEAK QP AVG

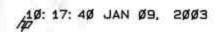
MKR 2.48358 GHz 66.89 dBµV





FCC ID: MCLJ07H06902

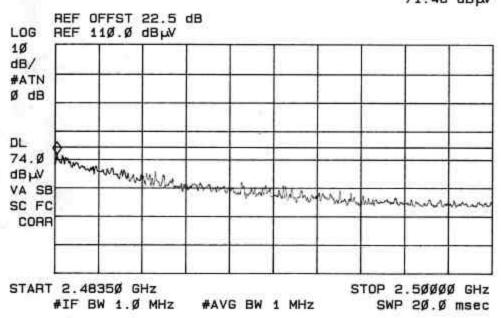
RESTRICTED BAND RADIATED EMISSIONS (HIGH CHANNEL, VERTICAL POLARIZATION) (G MODE)



DISPLAY LINE 74.0 dBW ACTV DET: PEAK

MEAS DET: PEAK QP AVG

MKR 2.48358 GHz 71.46 dBµV



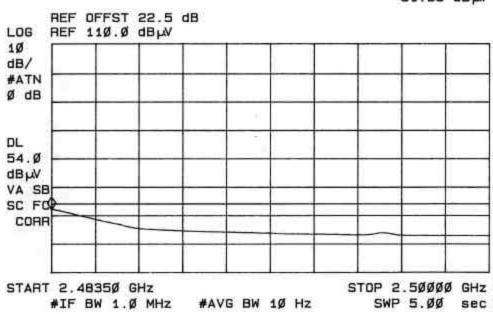
FCC ID: MCLJ07H06902

10: 20: 40 JAN 09, 2003

DISPLAY LINE 54.0 dBuV ACTV DET: PEAK

MEAS DET: PEAK QP AVG

MKR 2.4835Ø GHz 51.99 dBµV



EUT: 802.11 b/g MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP

FCC ID: MCLJ07H06902

HARMONIC AND SPURIOUS RADIATED EMISSIONS (B MODE)

2.412GHz

01/06/03 High Frequency Measurement

Compliance Certification Services, Morgan Hill Open Field Site

Frank Ibrahim Test Engr: 02U1750-1 Project #:

AMBIT MICROSYSTEMS Company:

802.11 B/G MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP **EUT Descrip.:**

B/G CARD EUT M/N:

Test Target:

11b Base Mode, Fund = 2.412 GHz Mode Oper:

Cable (feet) EMCO Horn 1-18GHz T72; S/N: 6739

Pre-amplifer 1-26GHz Miteq NSP2600-44 -

Spectrum Analyzer 8564E Analyzer

Horn > 18GHz T87; ARA 18-26GHz; S/N:1049

Peak Measurements: 1 MHz Resolution Bandwidth

1MHz Video Bandwidth

Average Measurements: 1 MHz Resolution Bandwidth 10Hz Video Bandwidth

f	Dist	Read Pk	Read Avg.	AF	CL	Amp	D Corr	HPF	Peak	Avg	Pk Lim	Avg Lim	Pk Mar	Avg Mar	Notes
GHz	feet	dBuV	dBuV	dB/m	dB	dB	dB		dBuV/m	dBuV/m	dBuV/m	dBuV/m	dB	dB	
4.824	9.8	44.0	41.5	33.9	5.7	-36.1	0.0	1.0	48.5	46.0	74.0	54.0	-25.5	-8.0	V
4.824	9.8	47.3	34.3	33.9	5.7	-36.1	0.0	1.0	51.8	38.8	74.0	54.0	-22.2	-15.2	Н
NOTE: 1	ю отне	R HARMON	ICS OR SPUR	IOUS E	MISSIC	ONS WER	E DETEC	TED AF	OVE THE	NOISE FLO	OR				

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 Calculated Peak Field Strength Antenna Factor Peak Pk Mar Margin vs. Peak Limit CL Cable Loss High Pass Filter

EUT: 802.11 b/g MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP

FCC ID: MCLJ07H06902

2.437GHz

01/06/03 High Frequency Measurement

Compliance Certification Services, Morgan Hill Open Field Site

Test Engr: Frank Ibrahim 02U1750-1

Company: AMBIT MICROSYSTEMS

EUT Descrip.: 802.11 B/G MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP

EUT M/N:
B/G CARD
Test Target:
FCC

Mode Oper: 11b Base Mode, Fund = 2.437 GHz

Tact Faminment

Cable (feet)

EMCO Horn 1-18GHz T72; S/N: 6739 Pre-amplifer 1-26GHz
Miteq NSP2600-44

Spectrum Analyzer 8564E Analyzer - Horn > 18GHz

Peak Measurements:

MHz Resolution Bandwidth
 MHz Video Bandwidth

Average Measurements: 1 MHz Resolution Bandwidth 10Hz Video Bandwidth

f GHz	Dist feet	Read Pk	Read Avg.	AF dR/m	CL dB	Amp dR	D Corr			Avg dBuV/m		Avg Lim		Avg Mar dB	Notes
4.874	9.8	47.6	46.9	34.0	5.8	-36.1	0.0	1.0	52.3	51.6	74.0	54.0	-21.7	-2.4	v
7.311	9.8	36.7	33.0	37.1	7.3	-36.3	0.0	1.0	45.8	42.1	74.0	54.0	-28.2	-11.9	V
4.874	9.8	39.2	35.0	34.0	5.8	-36.1	0.0	1.0	43.9	39.7	74.0	54.0	-30.1	-14.3	Н
7.311	9.8	36.3	31.0	37.1	7.3	-36.3	0.0	1.0	45.4	40.1	74.0	54.0	-28.6	-13.9	Н
NOTE: NO	OTHE	R HARMON	ICS OR SPUR	HOUS E	MISSIC	NS WER	E DETEC	TED AE	OVE THE	NOISE FLO	OR				

Avg Lim Average Field Strength Limit Preamp Gain Measurement Frequency Amp 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 CLCable Loss HPF High Pass Filter

EUT: 802.11 b/g MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP

FCC ID: MCLJ07H06902

2.462GHz

01/06/03 High Frequency Measurement

Compliance Certification Services, Morgan Hill Open Field Site

Test Engr: Frank Ibrahim 02U1750-1

Company: AMBIT MICROSYSTEMS

EUT Descrip.: 802.11 B/G MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP

EUT M/N:
B/G CARD
Test Target:
FCC

Mode Oper: 11b Base Mode, Fund = 2.462 GHz

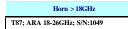
Toot Forminment











Peak Measurements:

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

f GHz	Dist feet	Read Pk	Read Avg.	AF dB/m			D Corr		Peak dBuV/m	Avg dBuV/m		Avg Lim		Avg Mar	Notes
4.924	9.8	50.8	47.7	34.2	5.8	-36.1	0.0	1.0	55.7	52.6	74.0	54.0	-18.3	-1.4	V
7.386	9.8	39.2	36.9	37.3	7.3	-36.2	0.0	1.0	48.5	46.2	74.0	54.0	-25.5	-7.8	v
4.924	9.8	41.9	37.3	34.2	5.8	-36.1	0.0	1.0	46.8	42.2	74.0	54.0	-27.2	-11.8	Н
7.386	9.8	36.2	30.3	37.3	7.3	-36.2	0.0	1.0	45.5	39.6	74.0	54.0	-28.5	-14.4	Н
NOTE: NO	ООТНЕ	R HARMON	ICS OR SPUR	RIOUS E	MISSIC	NS WER	E DETEC	TED AB	OVE THE	NOISE FLO	OR				

Avg Lim Average Field Strength Limit Measurement Frequency Amp Preamp Gain 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 CLCable Loss HPF High Pass Filter

EUT: 802.11 b/g MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP

FCC ID: MCLJ07H06902

HARMONIC AND SPURIOUS RADIATED EMISSIONS (G NORMAL MODE)

2.412GHz

 $01/06/03 \quad \ \ \textbf{High Frequency Measurement}$

Compliance Certification Services, Morgan Hill Open Field Site

Frank Ibrahim Test Engr: 02U1750-1 Project #:

AMBIT MICROSYSTEMS

Company: EUT Descrip.: 802.11 B/G MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP

B/G CARD EUT M/N: FCC

Test Target: Mode Oper: 11g Base Mode, Fund = 2.412 GHz,

Test Equipment:









Peak Measurements: 1 MHz Resolution Bandwidth

1MHz Video Bandwidth

Average Measurements: 1 MHz Resolution Bandwidth 10Hz Video Bandwidth

f	Dist	Read Pk	Read Avg.	AF	CL	Amp	D Corr	HPF	Peak	Avg	Pk Lim	Avg Lim	Pk Mar	Avg Mar	Notes
GHz	feet	dBuV	dBuV	dB/m	dB	dB	dB		dBuV/m	dBuV/m	dBuV/m	dBuV/m	dB	dB	
4.824	9.8	49.2	44.1	33.9	5.7	-36.1	0.0	1.0	53.7	48.6	74.0	54.0	-20.3	-5.4	v
4.824	9.8	40.3	34.5	33.9	5.7	-36.1	0.0	1.0	44.8	39.0	74.0	54.0	-29.2	-15.0	Н
NOTE: NO	оотне	R HARMON	ICS OR SPUR	IOUS E	MISSIC	ONS WER	E DETEC	TED AI	OVE THE	NOISE FLO	OR				
	f	Measureme	ent Frequency	,		Amp	Preamp (Gain				Avg Lim	Average F	ield Streng	th Limit

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

EUT: 802.11 b/g MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP

FCC ID: MCLJ07H06902

2.437GHz

01/06/03 High Frequency Measurement

Compliance Certification Services, Morgan Hill Open Field Site

Test Engr: Frank Ibrahim 02U1750-1

Company: AMBIT MICROSYSTEMS

EUT Descrip.: 802.11 B/G MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP

EUT M/N:
B/G CARD
Test Target:
FCC

Mode Oper: 11g Base Mode, Fund = 2.437 GHz,

Test Fauinment

Cable (feet)

EMCO Horn 1-18GHz T72; S/N: 6739 Pre-amplifer 1-26GHz
Miteq NSP2600-44

Spectrum Analyzer
8564E Analyzer -

Horn > 18GHz

Peak Measurements:

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

f GHz	Dist	Read Pk	Read Avg.	AF dB/m	CL dB	Amp	D Corr			Avg dRuV/m	Pk Lim	U		Avg Mar	Notes
4.874	9.8	42.0	31.9	34.0	5.8	-36.1	0.0	1.0	46.7	36.6	74.0	54.0	-27.3	-17.4	V
7.311	9.8	42.8	30.1	37.1	7.3	-36.3	0.0	1.0	51.9	39.2	74.0	54.0	-22.1	-14.8	V
4.874	9.8	38.6	30.0	34.0	5.8	-36.1	0.0	1.0	43.3	34.7	74.0	54.0	-30.7	-19.3	Н
7.311	9.8	40.1	30.2	37.1	7.3	-36.3	0.0	1.0	49.2	39.3	74.0	54.0	-24.8	-14.7	Н
NOTE: NO	ООТНЕ	R HARMON	ICS OR SPUR	IOUS E	MISSIC	NS WER	E DETEC	TED AB	OVE THE	NOISE FLO	OR				

Avg Lim Average Field Strength Limit Measurement Frequency Amp Preamp Gain 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 CLCable Loss HPF High Pass Filter

EUT: 802.11 b/g MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP

FCC ID: MCLJ07H06902

2.462GHz

01/06/03 High Frequency Measurement

Compliance Certification Services, Morgan Hill Open Field Site

Test Engr: Frank Ibrahim 02U1750-1

Company: AMBIT MICROSYSTEMS

EUT Descrip.: 802.11 B/G MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP

EUT M/N:
B/G CARD
Test Target:
FCC

Mode Oper: 11g Base Mode, Fund = 2.462 GHz,

Test Fauinment

Cable (feet)

EMCO Horn 1-18GHz T72; S/N: 6739 Pre-amplifer 1-26GHz
Miteq NSP2600-44

Spectrum Analyzer
8564E Analyzer -

Horn > 18GHz

Peak Measurements:

MHz Resolution Bandwidth
 MHz Video Bandwidth

Average Measurements: 1 MHz Resolution Bandwidth 10Hz Video Bandwidth

f GHz	Dist feet	Read Pk	Read Avg.	AF dB/m	CL dB	•	D Corr			Avg dBuV/m		Avg Lim		Avg Mar dB	Notes
4.924	9.8	47.8	37.1	34.2	5.8	-36.1	0.0	1.0	52.7	42.0	74.0	54.0	-21.3	-12.0	V
7.386	9.8	37.8	30.1	37.3	7.3	-36.2	0.0	1.0	47.1	39.4	74.0	54.0	-26.9	-14.6	v
4.924	9.8	39.5	30.0	34.2	5.8	-36.1	0.0	1.0	44.4	34.9	74.0	54.0	-29.6	-19.1	Н
7.386	9.8	36.6	30.2	37.3	7.3	-36.2	0.0	1.0	45.9	39.5	74.0	54.0	-28.1	-14.5	Н
NOTE: NO	отне	R HARMON	ICS OR SPUR	IOUS E	MISSIC	ONS WER	E DETEC	TED AE	OVE THE	NOISE FLO	OR				

Avg Lim Average Field Strength Limit Preamp Gain Measurement Frequency Amp 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 CLCable Loss HPF High Pass Filter

EUT: 802.11 b/g MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP

FCC ID: MCLJ07H06902

HARMONIC AND SPURIOUS RADIATED EMISSIONS (G TURBO MODE)

2.437GHz

01/06/03 High Frequency Measurement

Compliance Certification Services, Morgan Hill Open Field Site

Test Engr: Frank Ibrahim 02U1750-1

Company: AMBIT MICROSYSTEMS

EUT Descrip.: 802.11 B/G MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP

EUT M/N: B/G CARD

Test Target: FC

Mode Oper: 11g Turbo Mode, Fund = 2.437 GHz

Test Equipment:

Cable (feet) | EMCO Horn 1-18GHz | T72; S/N: 6739 | -

Pre-amplifer 1-26GHz S
Miteq NSP2600-44 7 8

Spectrum Analyzer
8564E Analyzer

Horn > 18GHz T87; ARA 18-26GHz; S/N:1049

Peak Measurements: 1 MHz Resolution Bandwidth

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

f	Dist	Read Pk	Read Avg.	AF	CL	Amp	D Corr	HPF	Peak	Avg	Pk Lim	Avg Lim	Pk Mar	Avg Mar	Notes
GHz	feet	dBuV	dBuV	dB/m	dB	dB	dB		dBuV/m	dBuV/m	dBuV/m	dBuV/m	dB	dB	
4.874	9.8	40.6	30.2	34.0	5.8	-36.1	0.0	1.0	45.3	34.9	74.0	54.0	-28.7	-19.1	v
7.311	9.8	44.9	32.6	37.1	7.3	-36.3	0.0	1.0	54.0	41.7	74.0	54.0	-20.0	-12.3	v
NOTE: NO	ОТНЕ	R HARMON	ICS OR SPUR	IOUS E	MISSIC	NS WER	E DETEC	TED AF	OVE THE	NOISE FLO	OR				

 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

EUT: 802.11 b/g MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP

FCC ID: MCLJ07H06902

DIGITAL DEVICE RADIATED EMISSIONS



FCC, VCCI, CISPR, CE, AUSTEL, NZ UL, CSA, TUV, BSMI, DHHS, NVLAP

561F MONTEREY ROAD, SAN JOSE, CA 95037-9001 PHONE: (408) 463-0885 FAX: (408) 463-0888 Project #:
Report #:
Date & Time:
Test Engr:

02u1750
021303b2
02/13/03 4:48 PM
neelesh rai

Company: AMBIT MICROSYSTEMS

EUT Description: 802 11 b/g MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP

Test Configuration: <u>EUT/AC ADAPTER/MONITOR/USB MOUSE</u>

Type of Test: CISPR22-B

Mode of Operation: TX

<< Main Sheet

Frea	Reading	AF	Closs	Pre-amp	Level	l imit	Margin	Pol	A7	Heiaht	Mark
(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	FN_B	(dB)	(H/√)	(Deg)	(Meter)	(P/Q/A)
628.67	37.10	18.74	6.45	28.96	33.34	37.00	-3.66	10mV	180.00	3.00	QP
133.33	39.04	11.33	2.86	28.34	24.90	30.00	-5.10	10mV	180.00	1.00	Р
133.33	38.20	11.33	2.86	28.34	24.06	30.00	-5.94	10mH	180.00	1.00	Р
624.10	35.30	18.74	6.42	28.95	31.51	37.00	-5.49	10mV	180.00	1.00	Р
628.68	35.30	18.74	6.45	28.96	31.54	37.00	-5.46	10mH	135.00	1.00	Р
624.10	34.00	18.74	6.42	28.95	30.21	37.00	-6.79	10mH	180.00	1.00	Р
6 Worst	Data										

EUT: 802.11 b/g MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP

FCC ID: MCLJ07H06902

8.7. POWERLINE CONDUCTED EMISSIONS

TEST SETUP

The EUT is placed on a wooden table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane on the floor.

The EUT is set to transmit in a continuous mode.

TEST PROCEDURE

The resolution bandwidth is set to 10 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

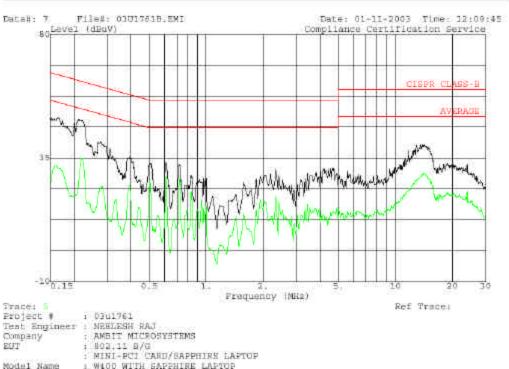
No non-compliance noted:

Freq.		Reading		Closs	Limit	EN_B	Marg	in	Remark
(MHz)	PK (dBuV)	QP (dBuV)	AV (dBuV)	(dB)	QP	AV	QP (dB)	AV(dB)	L1/L2
0.21	48.81	87	27.88	0.00	64.20	54.20	-15.39	-26.32	L1
0.17	49.58	35	31.18	0.00	65.57	55.57	-15.99	-24.39	L1
0.27	40.56	87	24.11	0.00	62.46	52.46	-21.90	-28.35	L1
0.21	52.28	88	22.94	0.00	64.43	54.43	-12.15	-31.49	L2
0.17	51.58	88	32.85	0.00	65.57	55.57	-13.99	-22.72	L2
0.28	42.56	#	25.26	0.00	62.37	52.37	-19.81	-27.11	L2

FCC ID: MCLJ07H06902



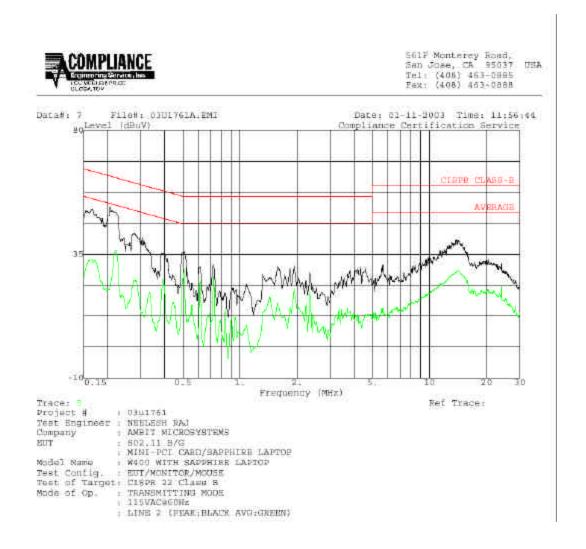
SelP Monterey Road. San Jose, CA 95037 San Jose, CA 95017 Tel: (408) 463-0885 Fax: (408) 463-0888



WAGO WITH SAPPHIRE LAPTOP | BITT/MONITOR/MOUSE

Test Config. | BDT/MONITOR/MOUS. Test of Target: CISPR 22 Class B Mode of Op. I TRANSMITTING MODE

: 115VAC@60Hz : LINE 1 (PEAK:BLACK AVG:GREEN)

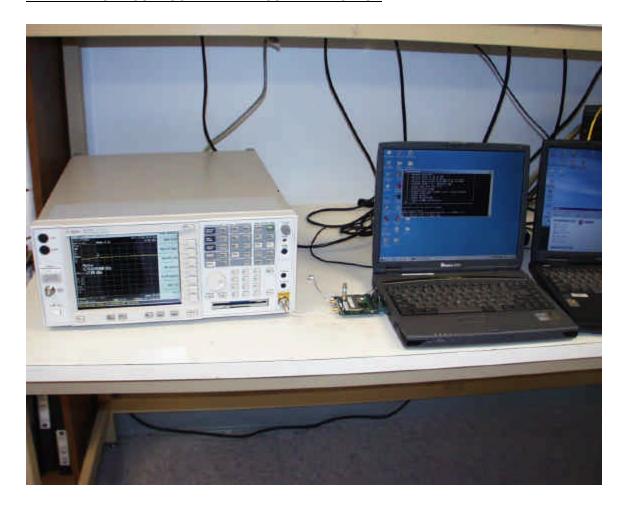


EUT: 802.11 b/g MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP

FCC ID: MCLJ07H06902

8.8. SETUP PHOTOS

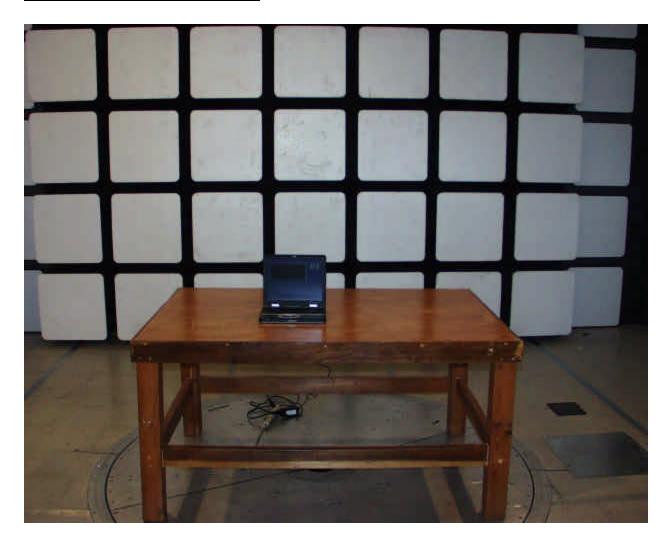
ANTENNA PORT CONDUCTED RF MEASUREMENT SETUP



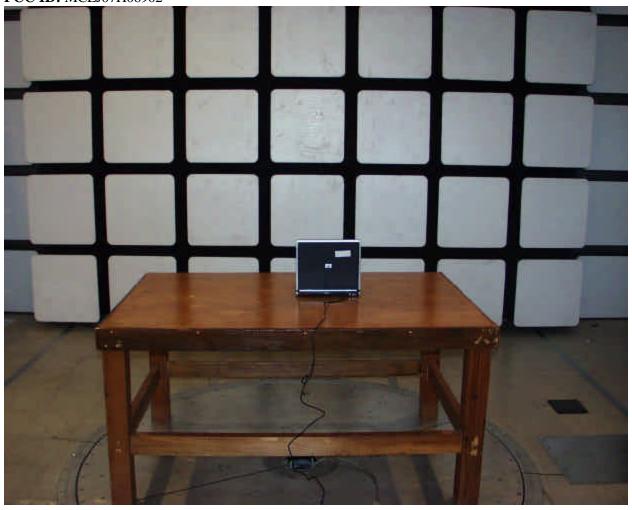
EUT: 802.11 b/g MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP

FCC ID: MCLJ07H06902

RADIATED RF MEASUREMENT SETUP



EUT: 802.11 b/g MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP



EUT: 802.11 b/g MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP

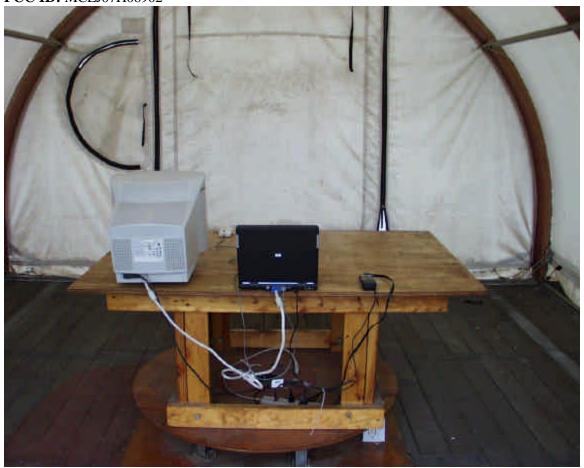
FCC ID: MCLJ07H06902

DIGITAL DEVICE RADIATED EMISSIONS MEASUREMENT SETUP



REPORT NO: 02U1750-1

DATE: FEBRUARY 21, 2003 EUT: 802.11 b/g MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP



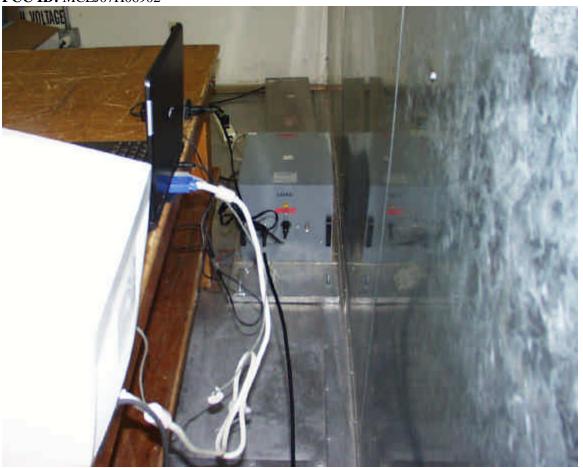
EUT: 802.11 b/g MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP

FCC ID: MCLJ07H06902

POWERLINE CONDUCTED EMISSIONS MEASUREMENT SETUP



EUT: 802.11 b/g MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP



END OF REPORT