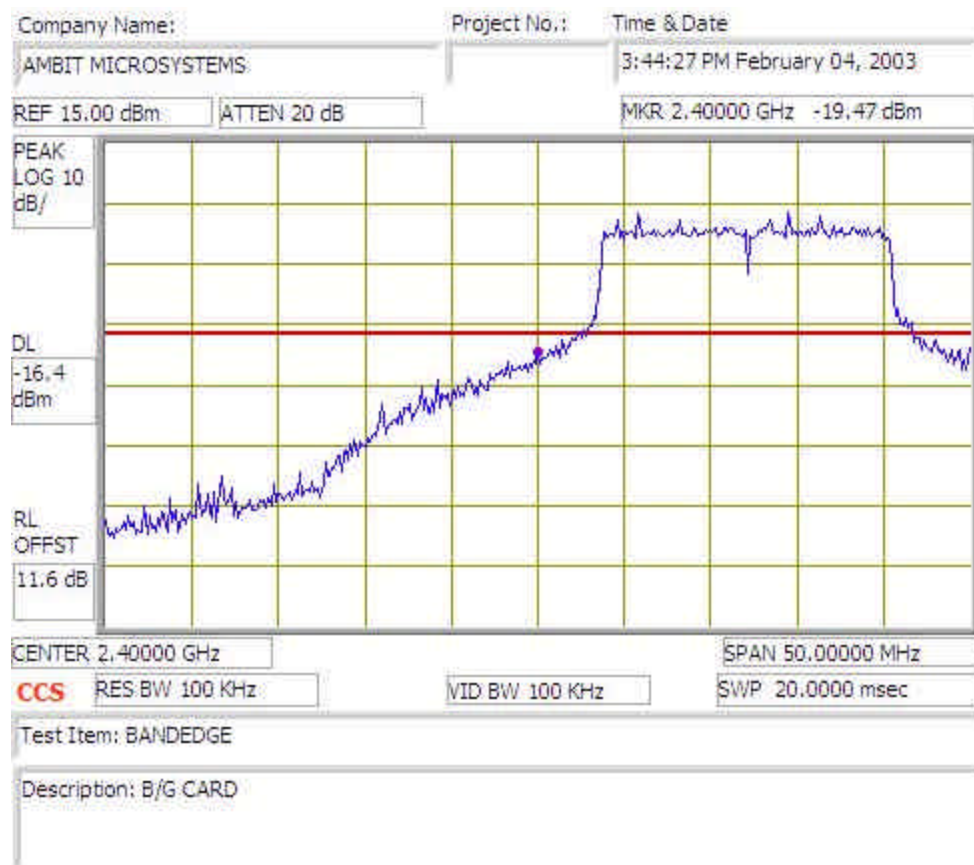
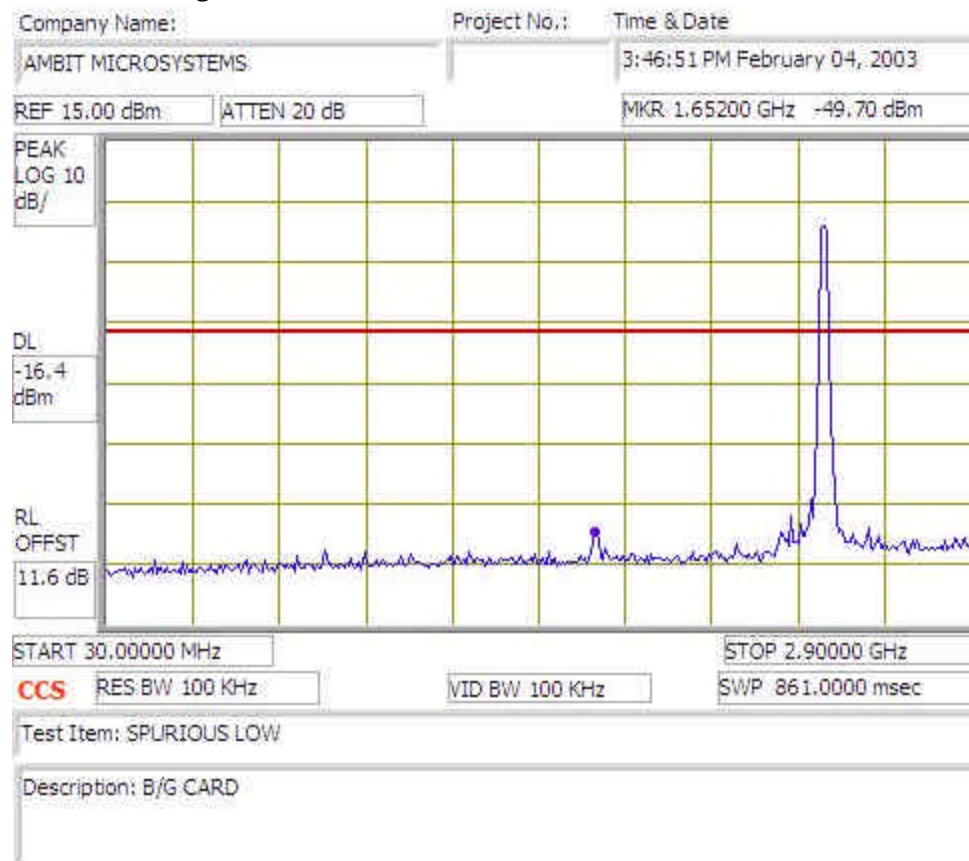
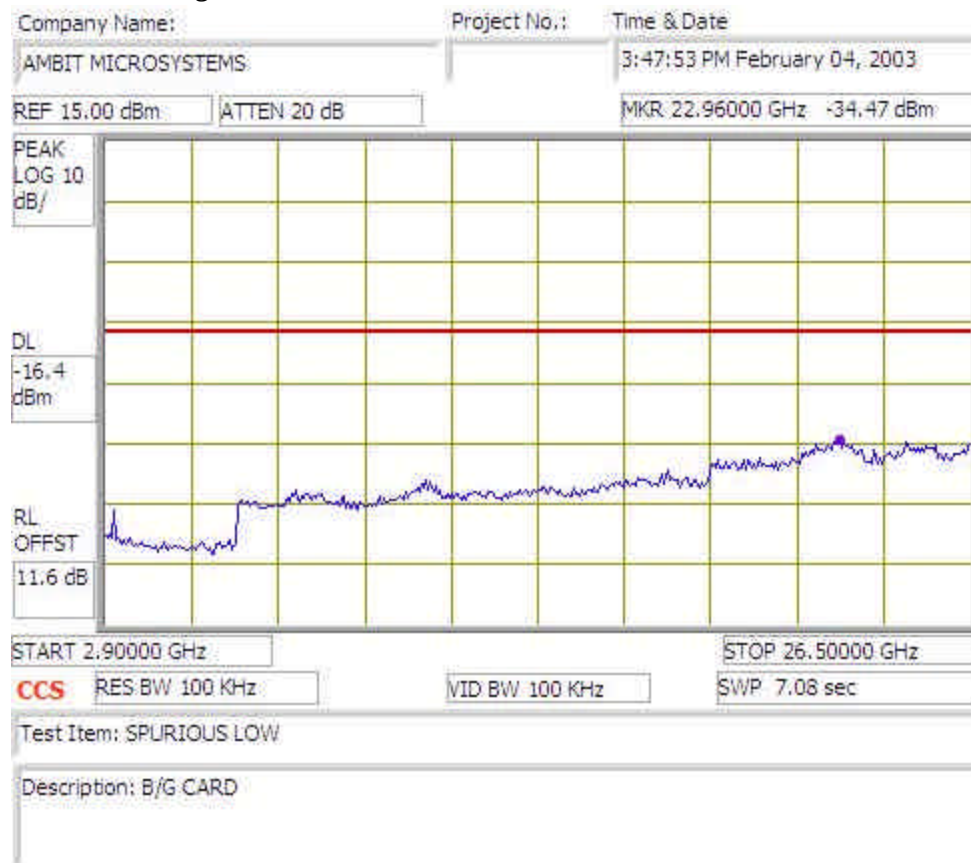


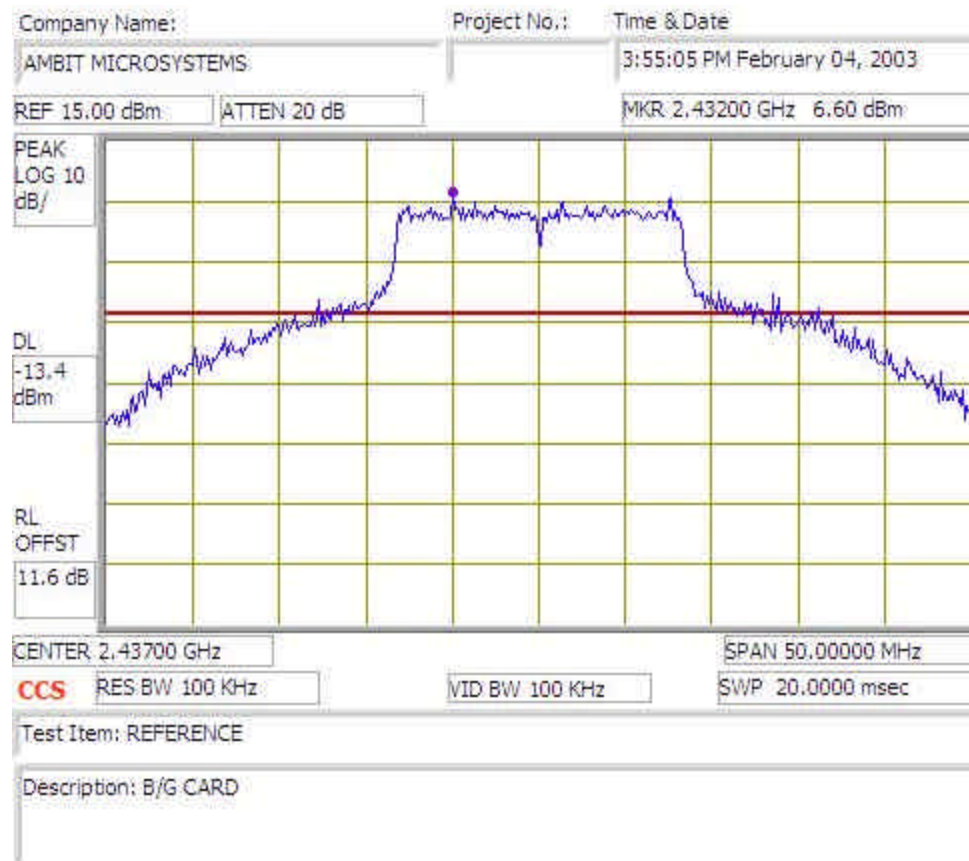
CONDUCTED SPURIOUS EMISSIONS (2.4 GHZ g BAND)

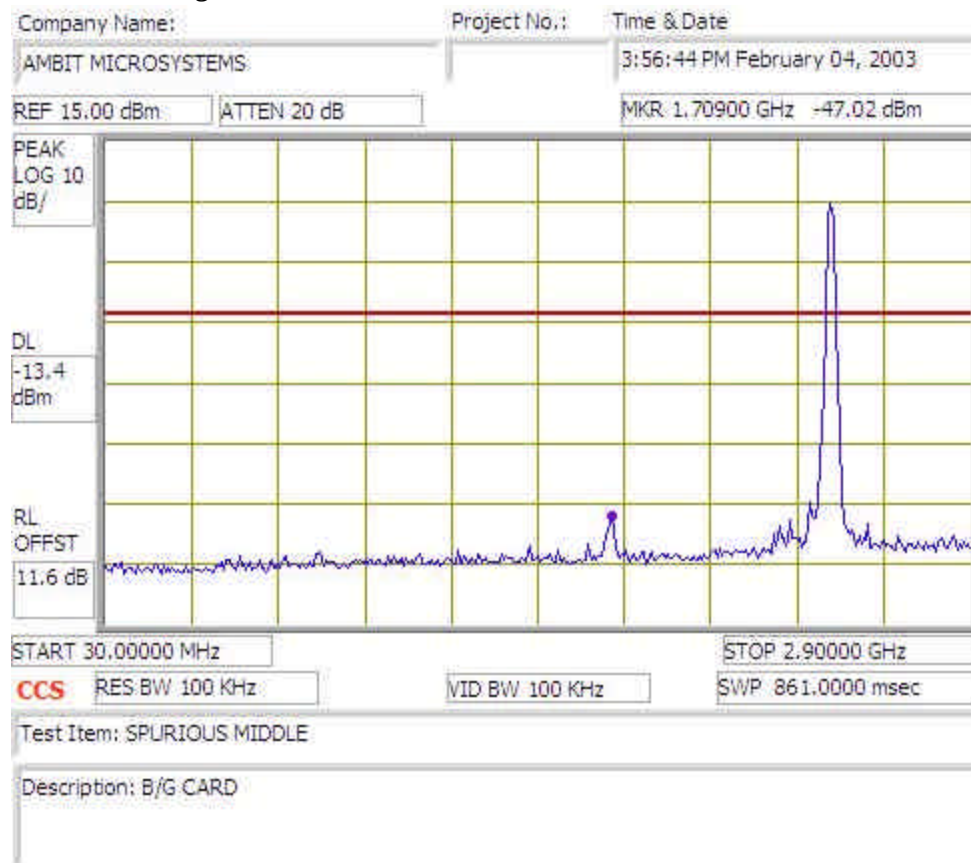
2.412GHz

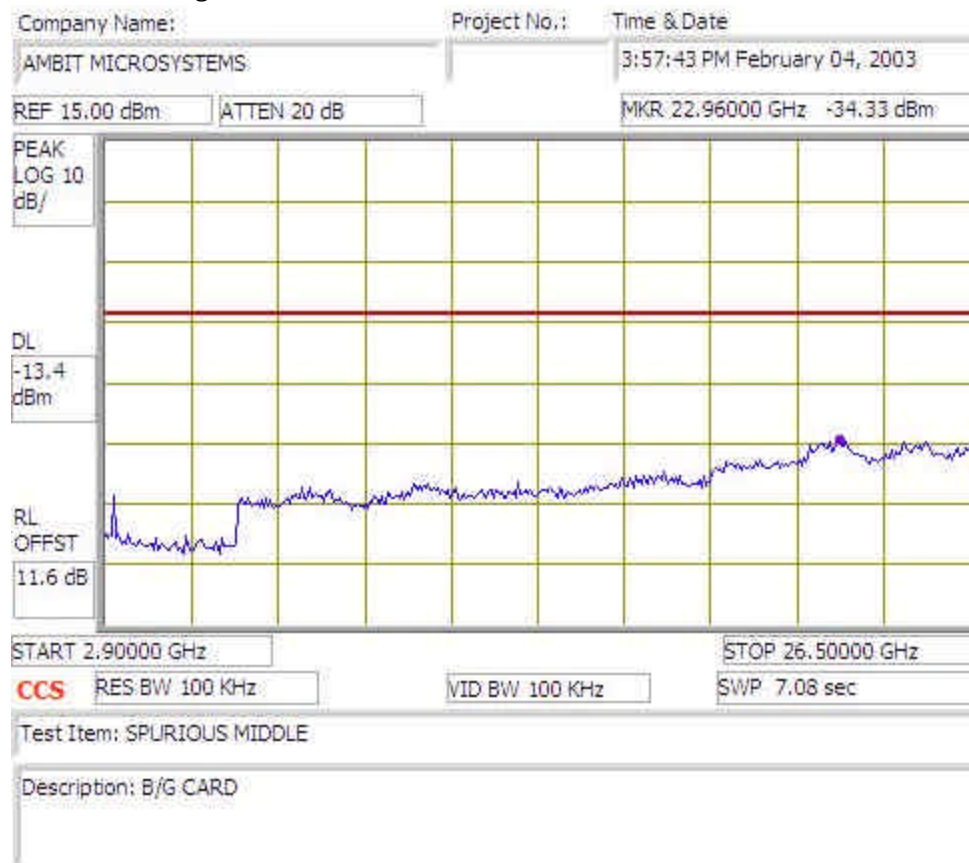


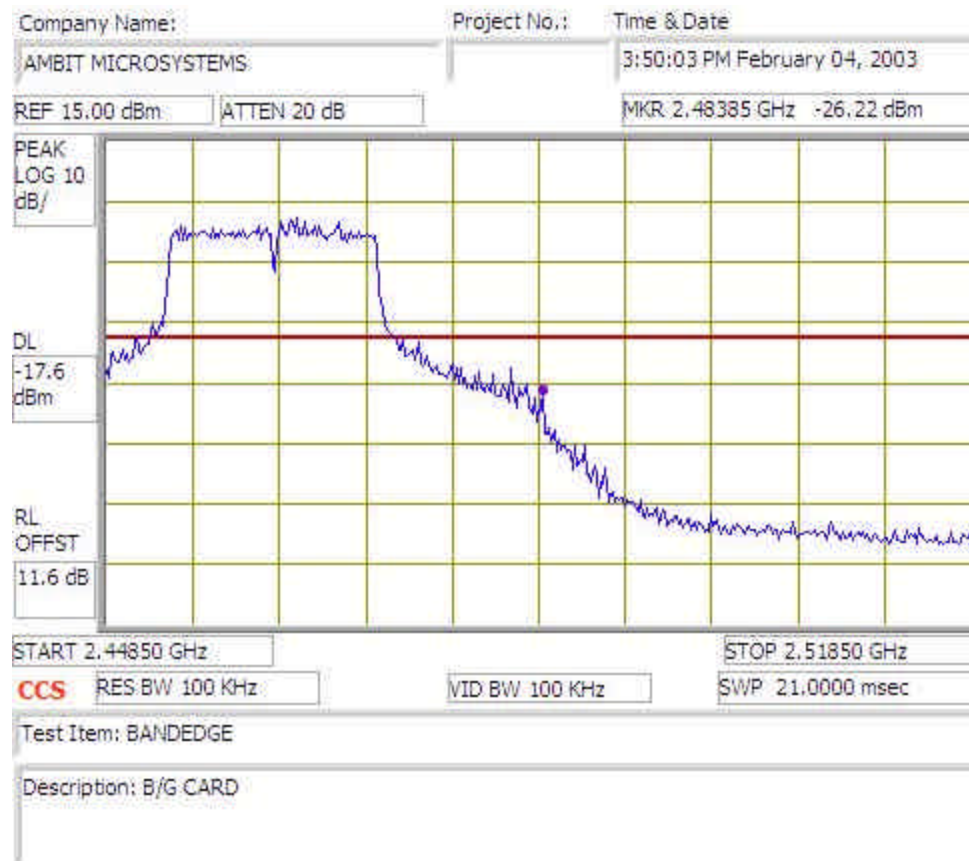


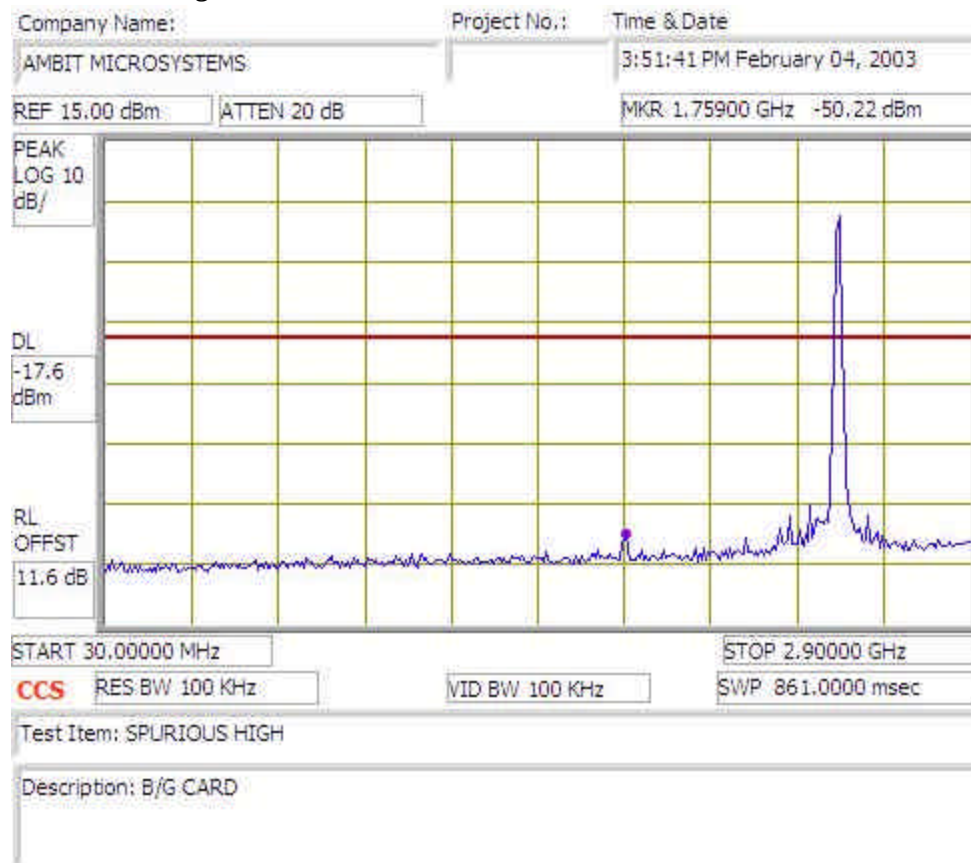


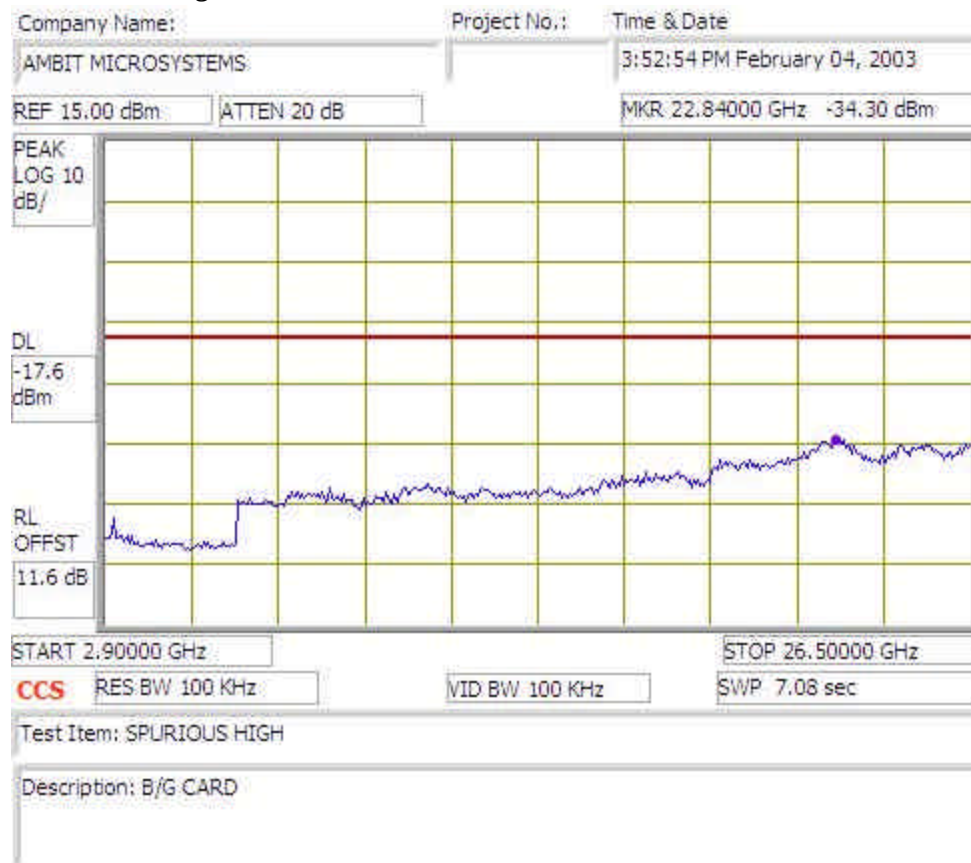




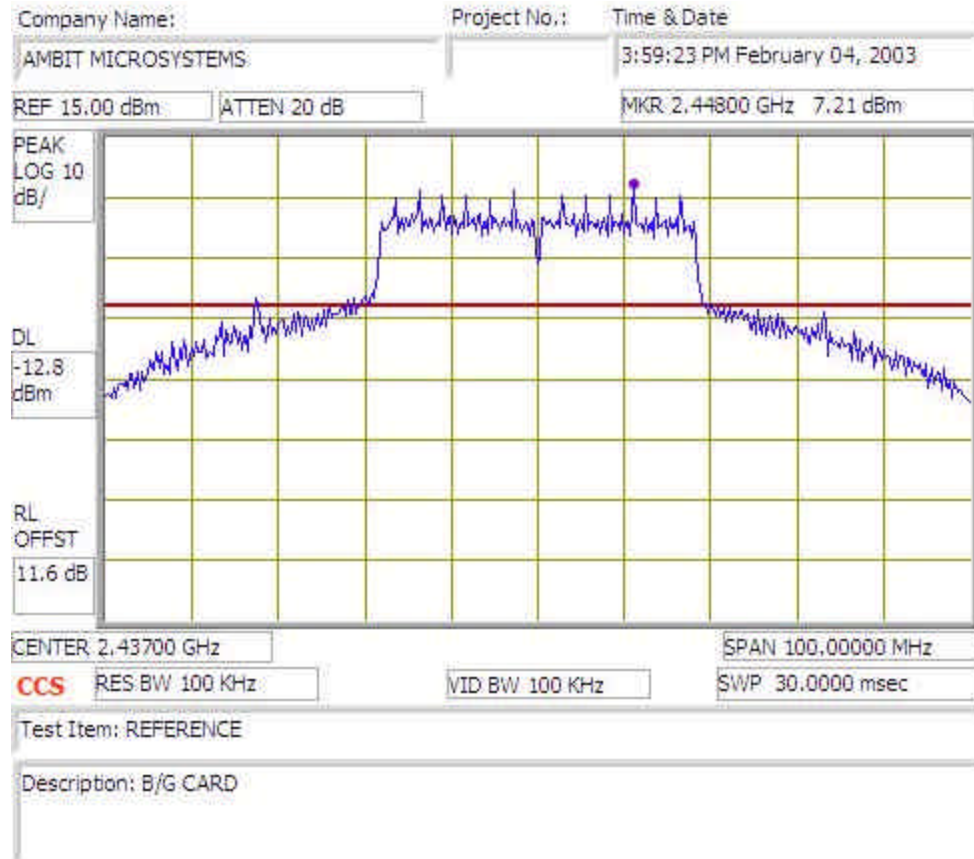


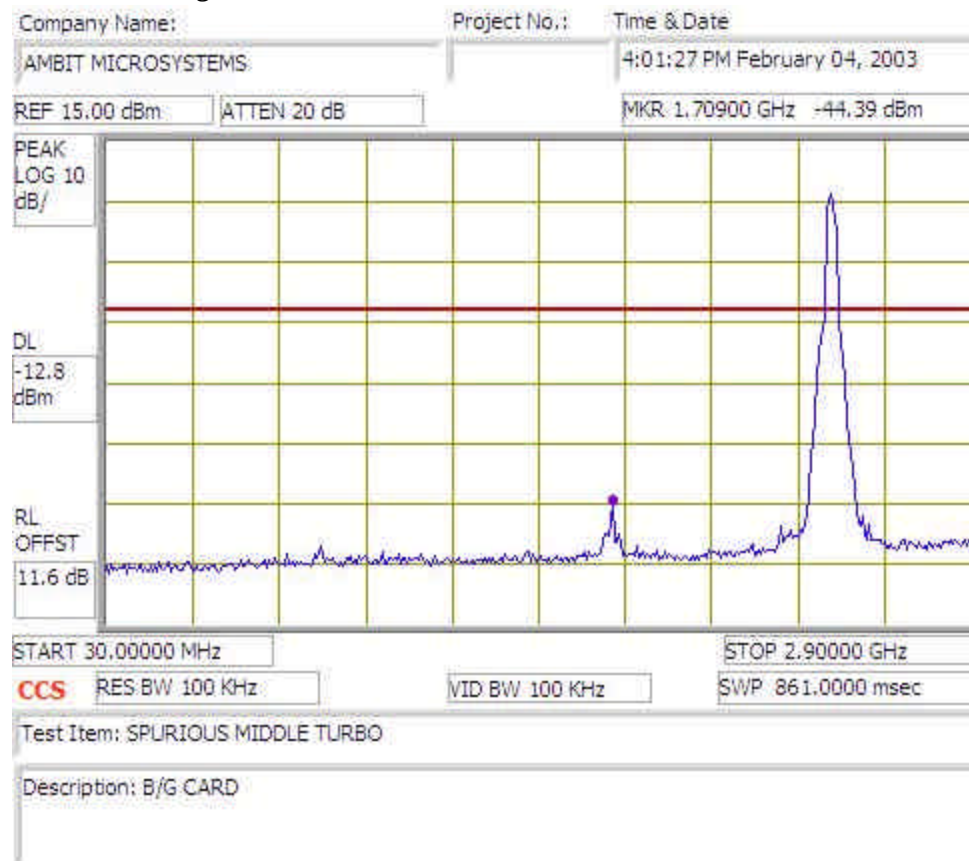


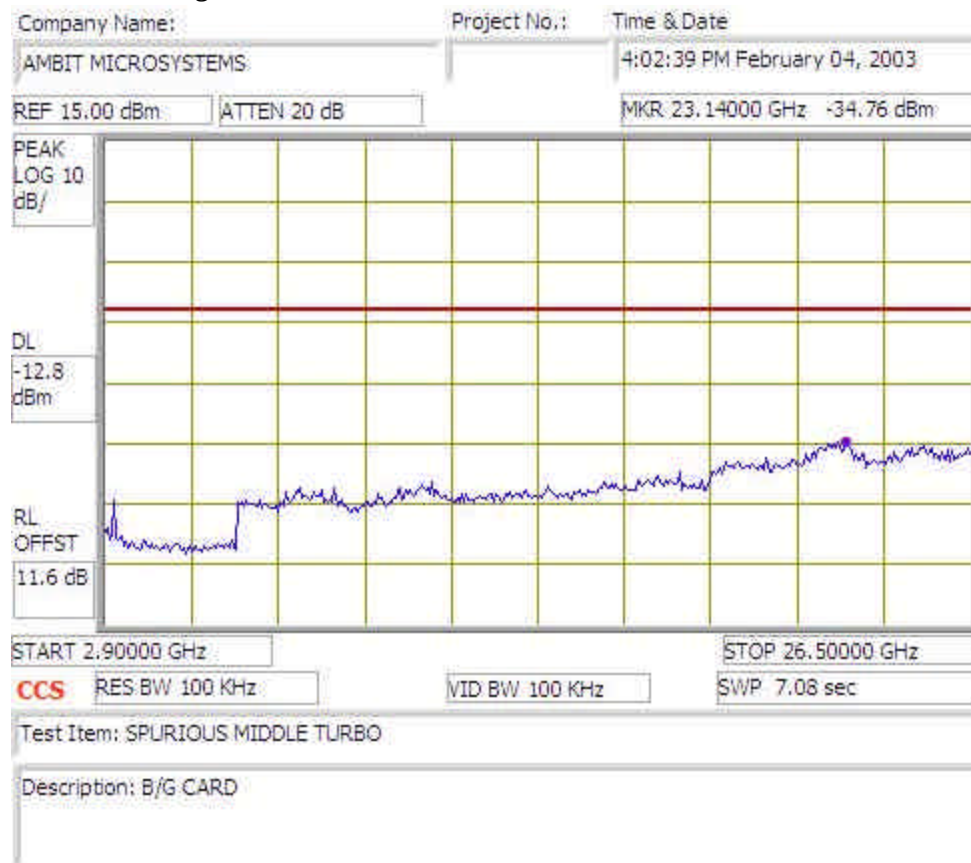




CONDUCTED SPURIOUS EMISSIONS (2.4 GHZ g BAND, TURBO MODE)







8.7. 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.

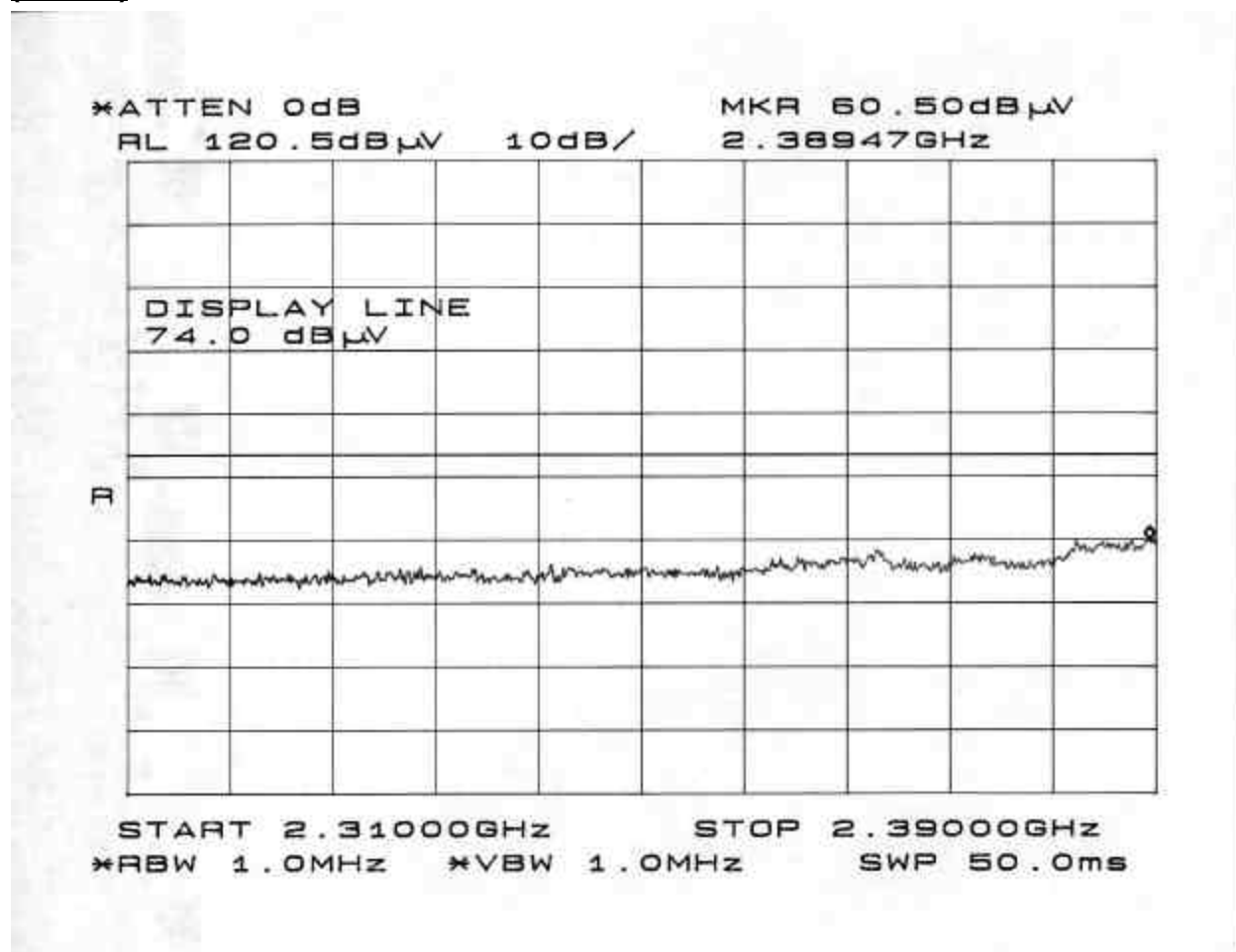
The spectrum from 30 MHz to 26 GHz is investigated with the transmitter set to the lowest, middle, and highest channels within the 2.4 GHz band.

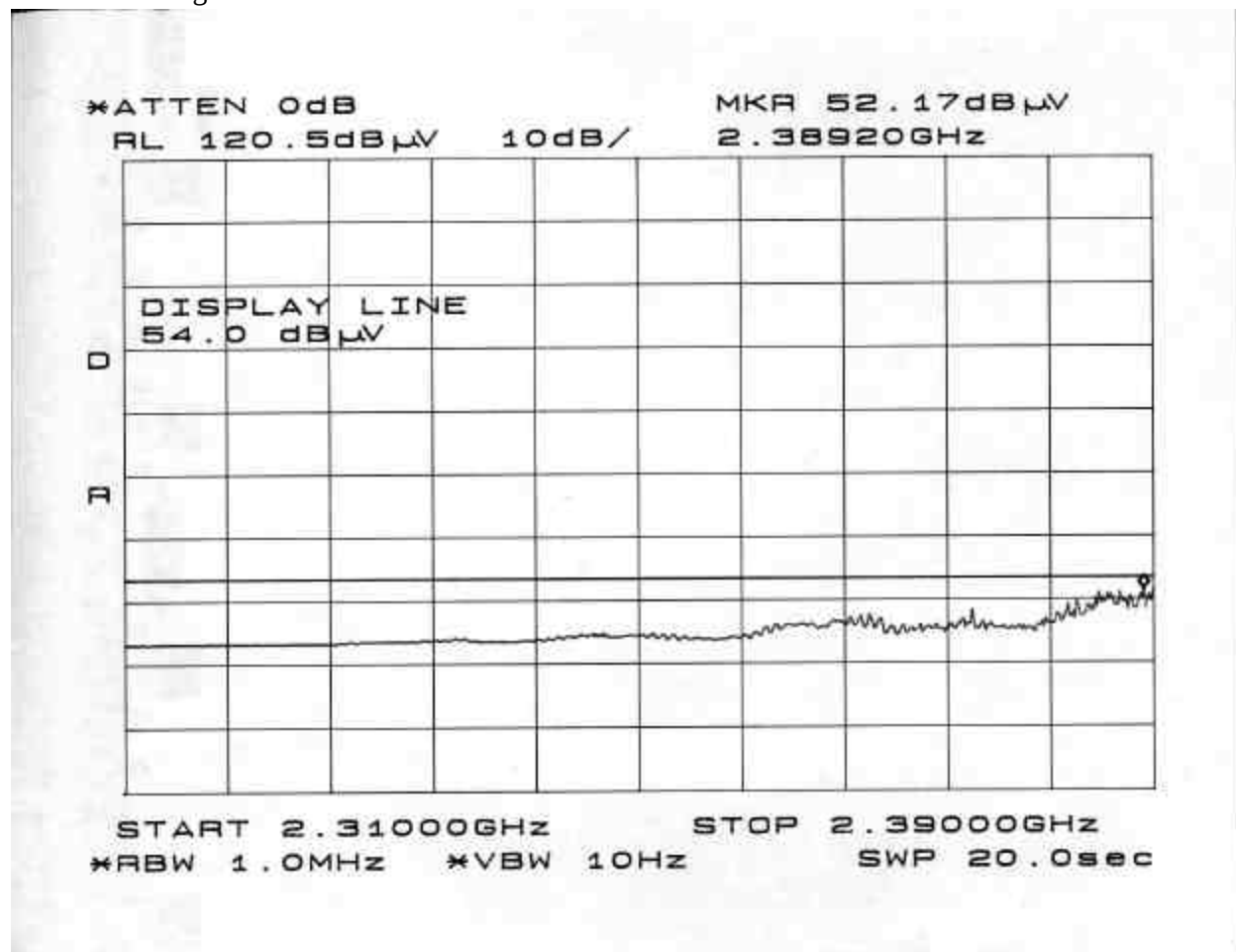
The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The frequency span is set small enough to easily differentiate between broadcast stations, intermittent ambient signals and EUT emissions. The EUT is rotated through 360 degrees to maximize emissions received. The 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

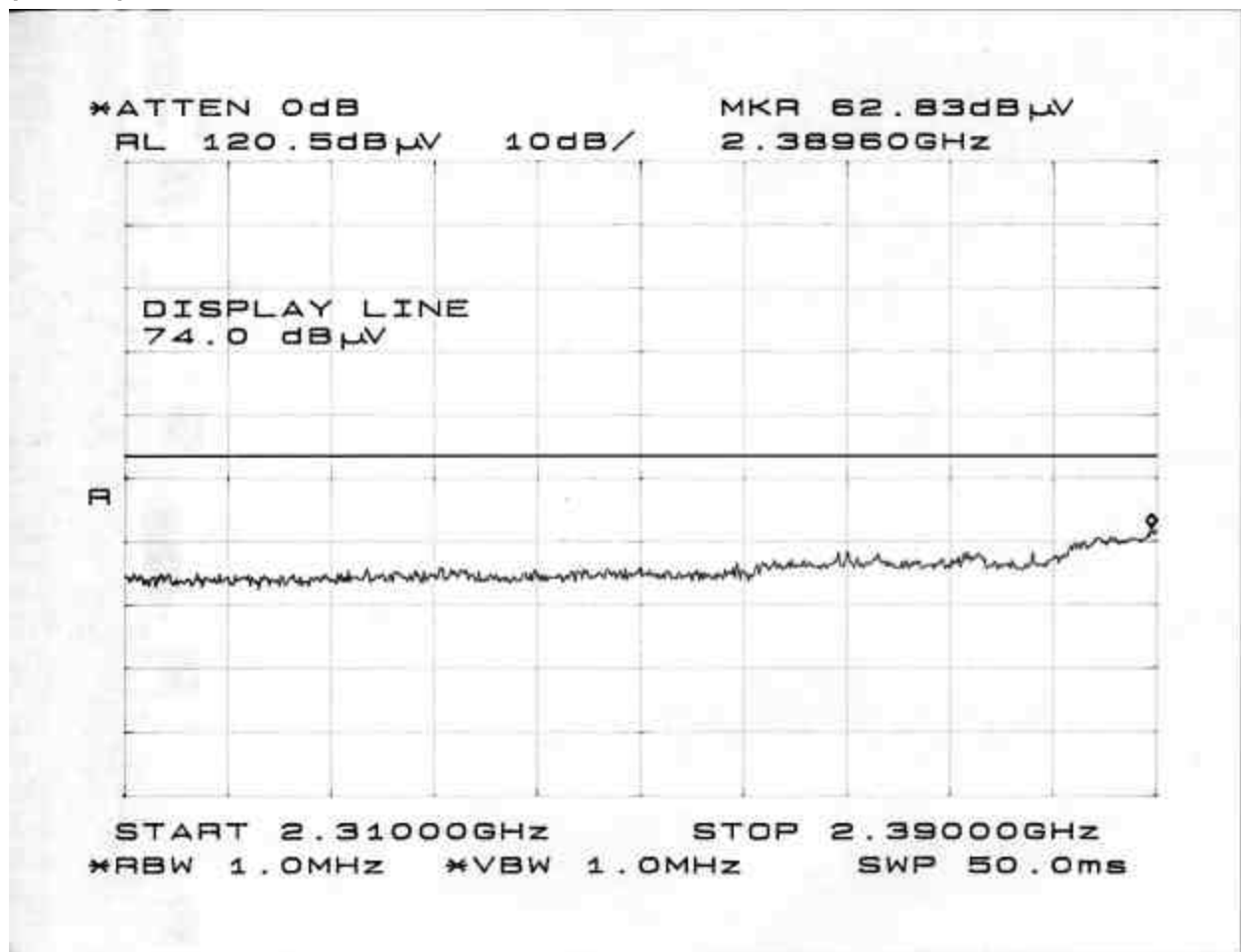
No non-compliance noted:

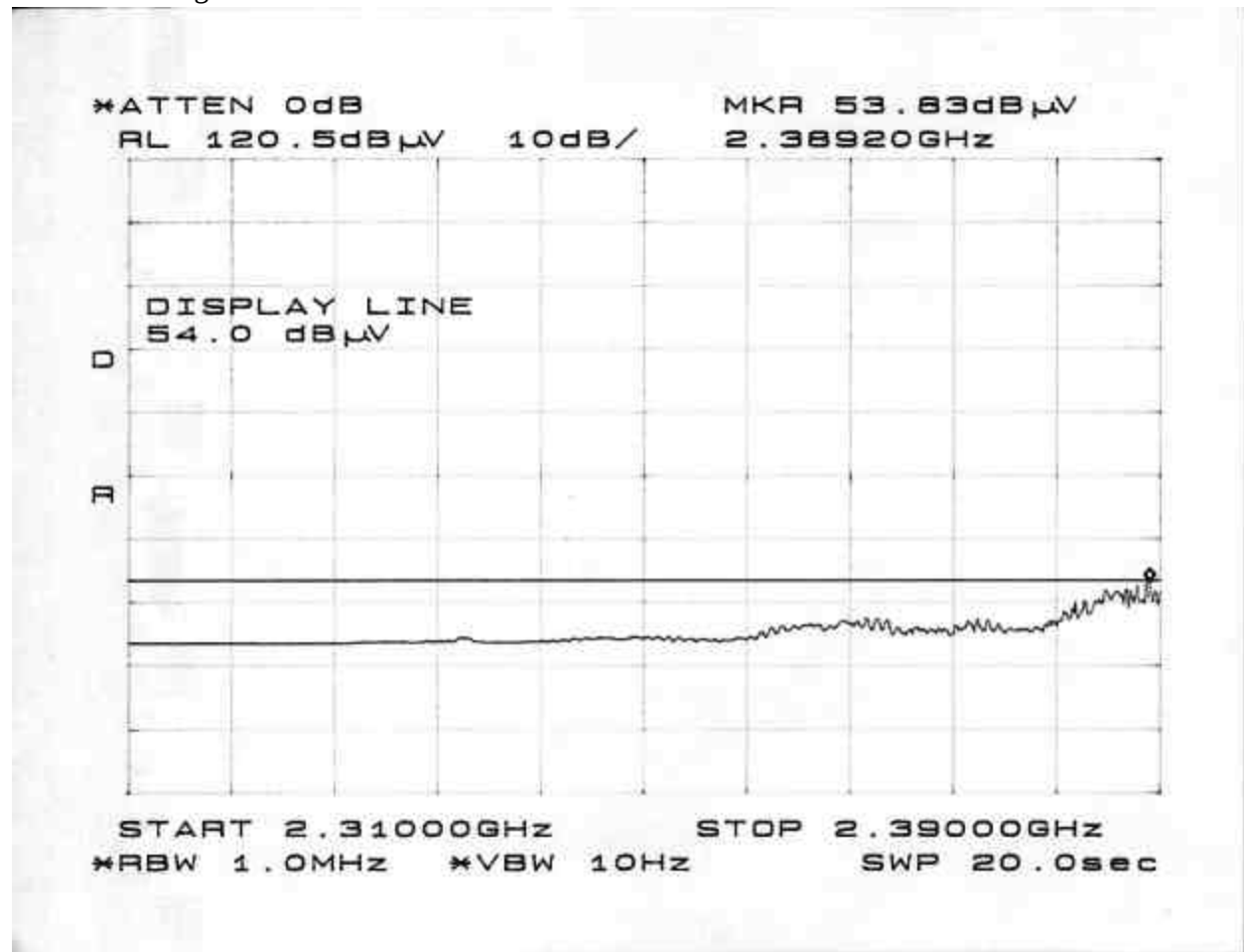
RESTRICTED BAND RADIATED EMISSIONS (LOW CHANNEL, HORIZONTAL POLARIZATION)
(B MODE)



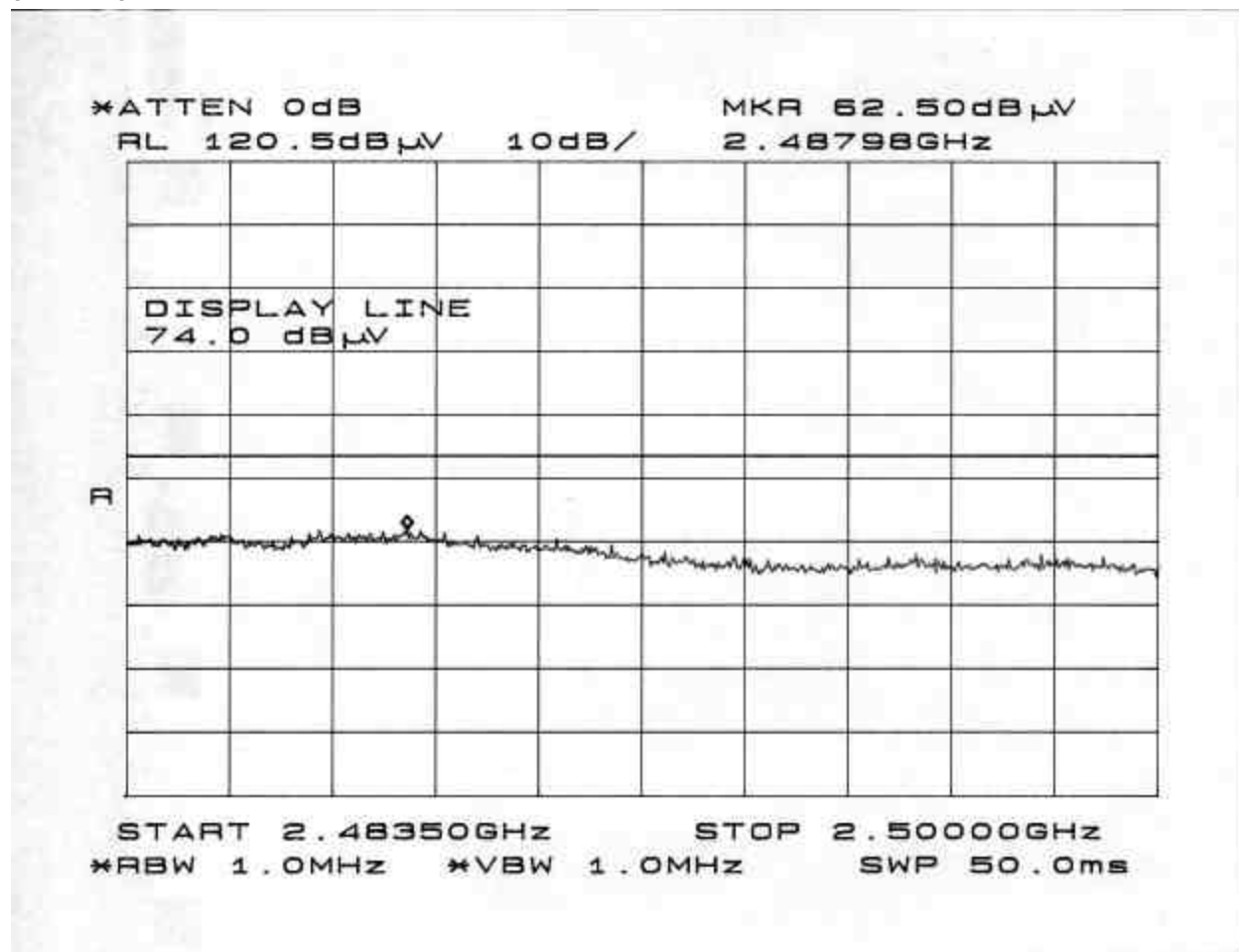


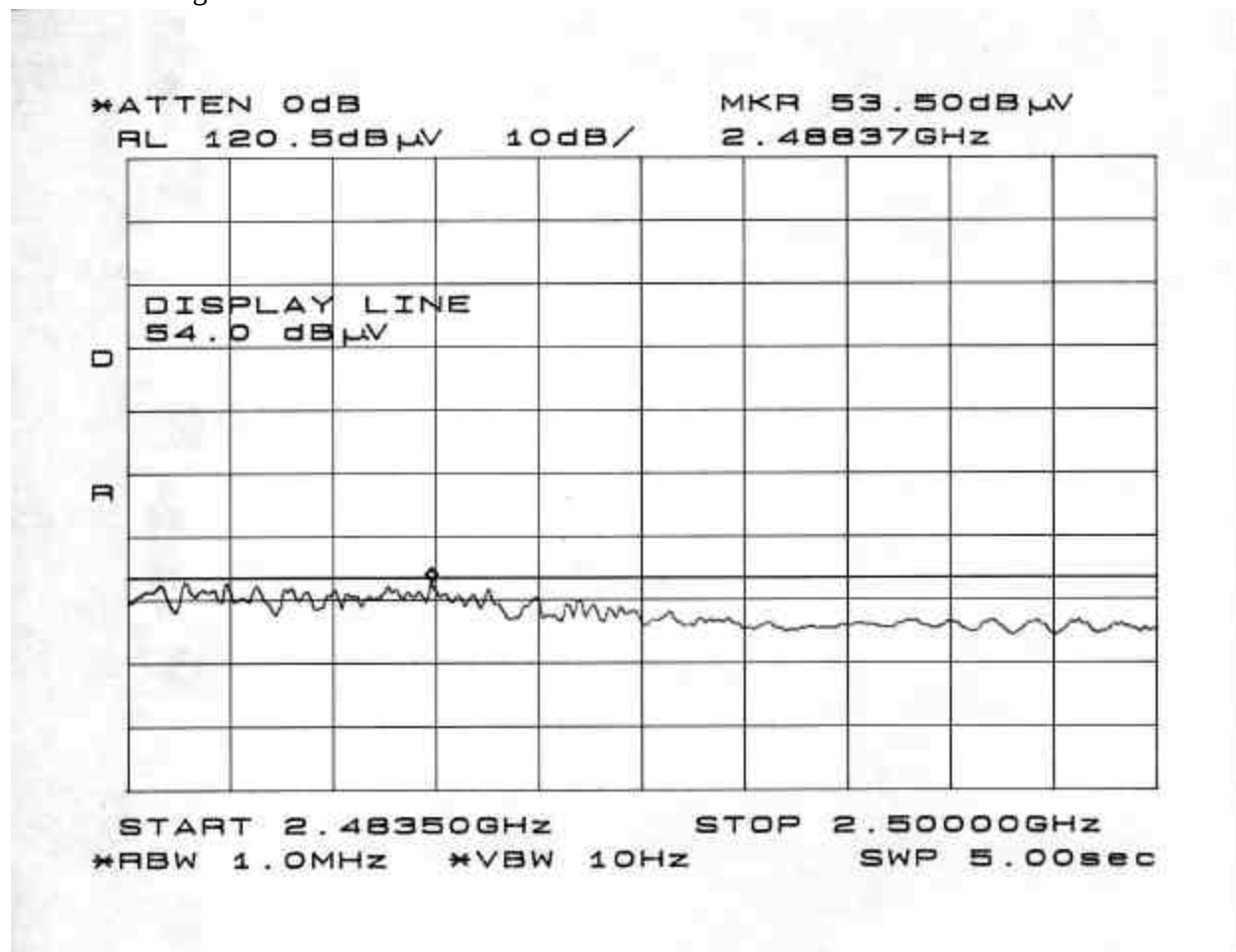
RESTRICTED BAND RADIATED EMISSIONS (LOW CHANNEL, VERTICAL POLARIZATION)
(B MODE)



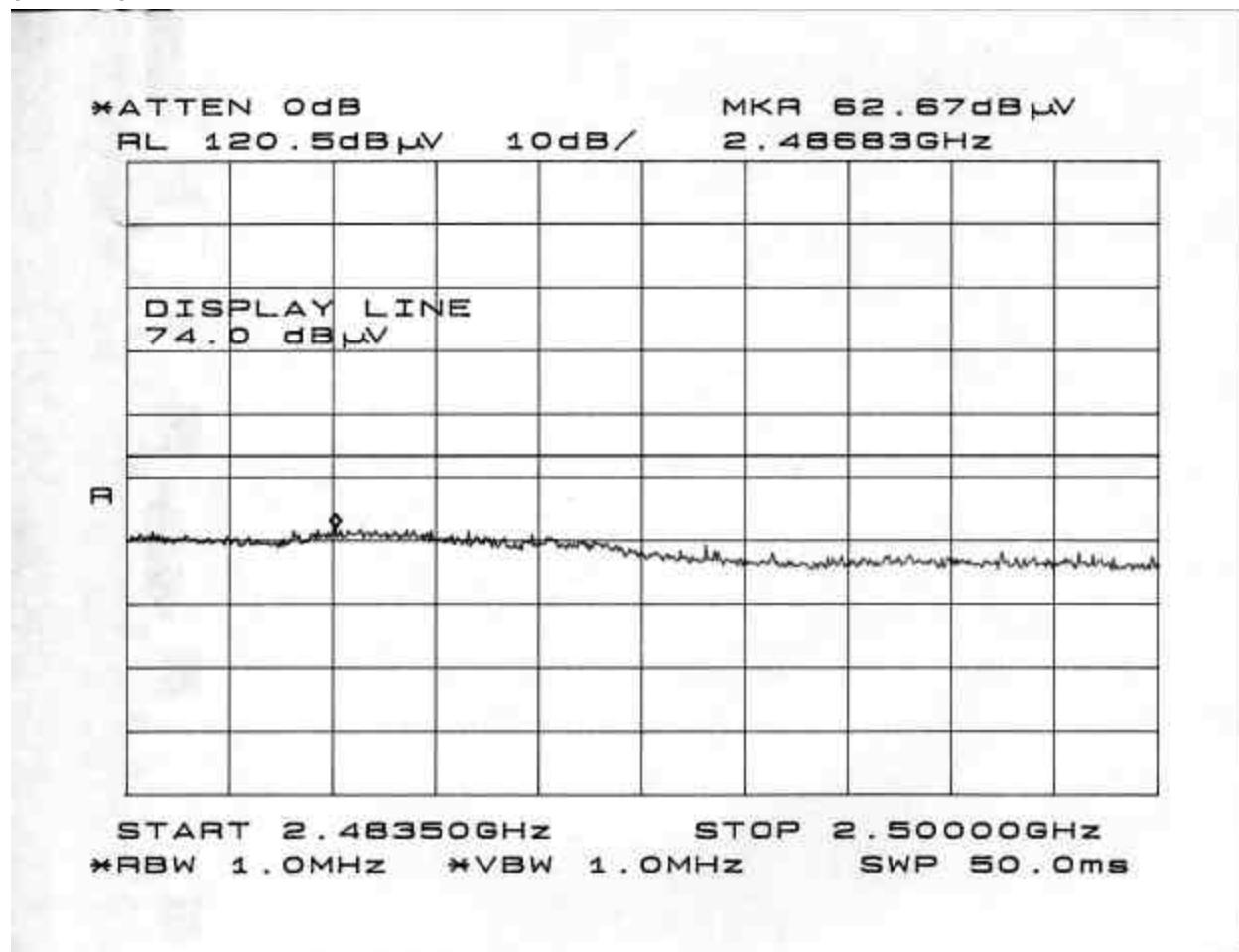


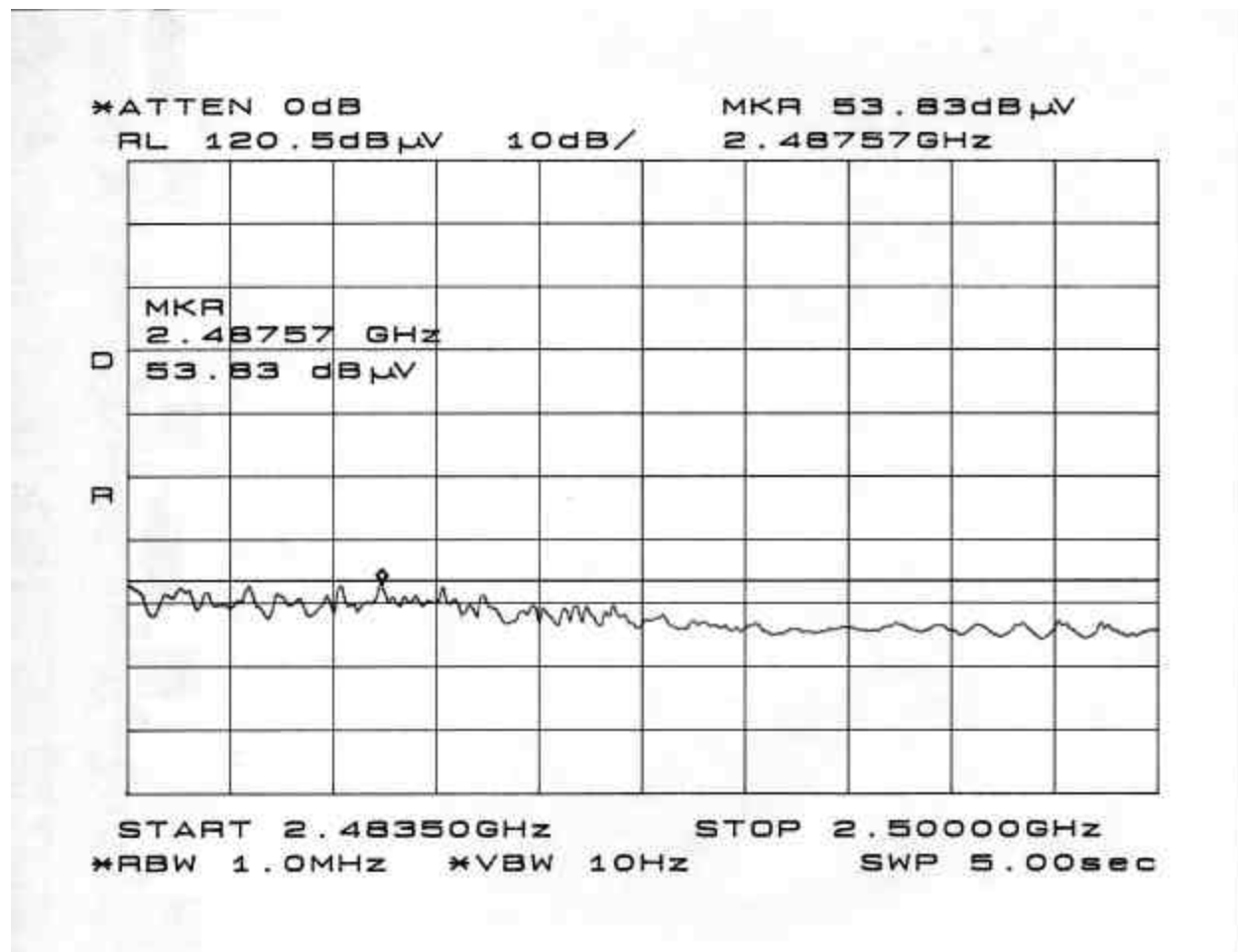
RESTRICTED BAND RADIATED EMISSIONS (HIGH CHANNEL, HORIZONTAL POLARIZATION)
(B MODE)





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





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

10: 44: 25 JAN 09, 2003

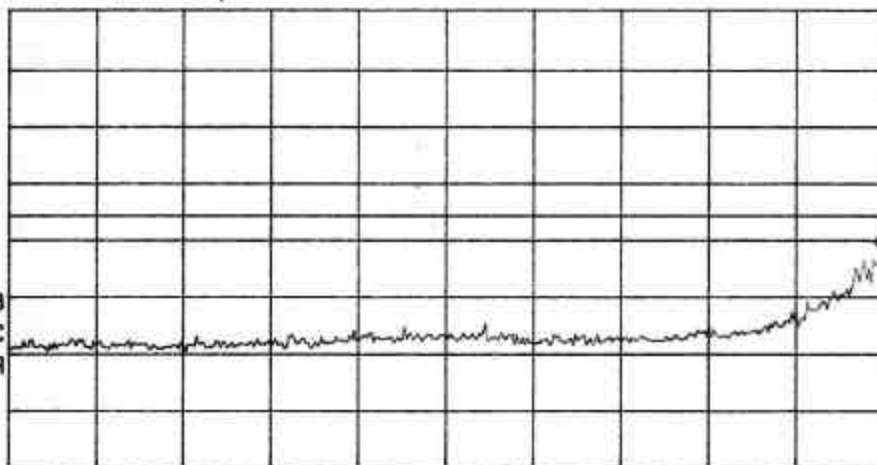
STOP
2.39000 GHz

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 2.39000 GHz
67.25 dB μ V

LOG REF OFFST 22.5 dB
REF 110.0 dB μ V

10
dB/
#ATN
0 dB

DL
74.0
dB μ V
VA SB
SC FC
CORR



START 2.31000 GHz
#IF BW 1.0 MHz

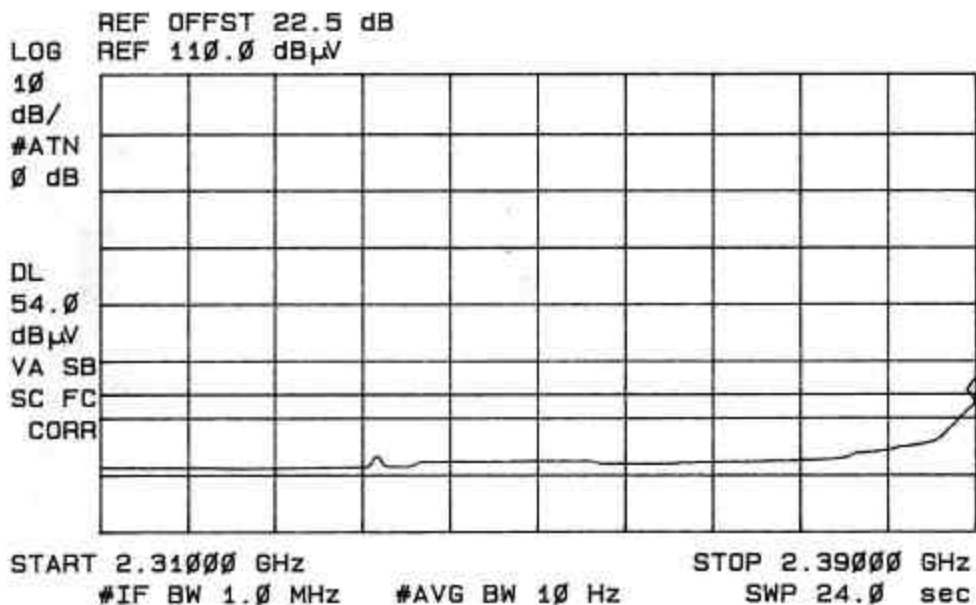
#AVG BW 1 MHz

STOP 2.39000 GHz
SWP 20.0 msec

10: 47: 50 JAN 09, 2003

DISPLAY LINE
54.0 dB μ V

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 2.39000 GHz
52.55 dB μ V



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

10:39:07 JAN 09, 2003

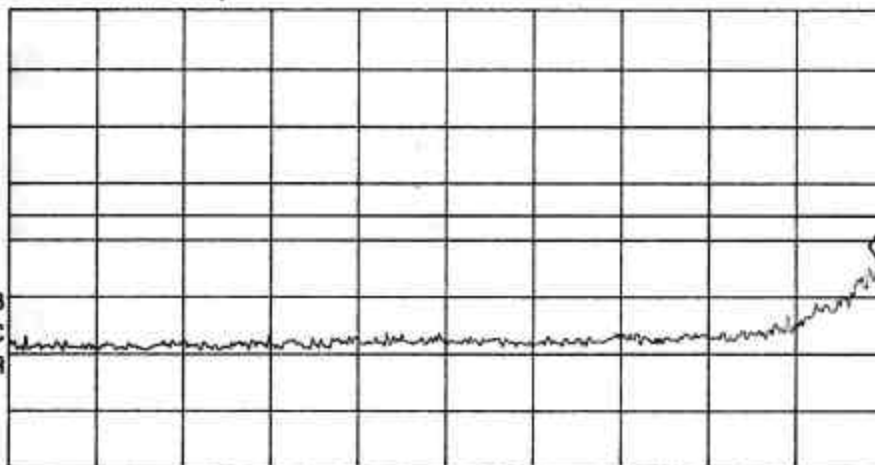
DISPLAY LINE
74.0 dB μ V

ACTV DET: PEAK
MEAS DET: PEAK GP AVG
MKR 2.38940 GHz
66.50 dB μ V

LOG REF OFFST 22.5 dB
REF 110.0 dB μ V

10
dB/
#ATN
0 dB

DL
74.0
dB μ V
VA SB
SC FC
CORR



START 2.31000 GHz

#IF BW 1.0 MHz

#AVG BW 1 MHz

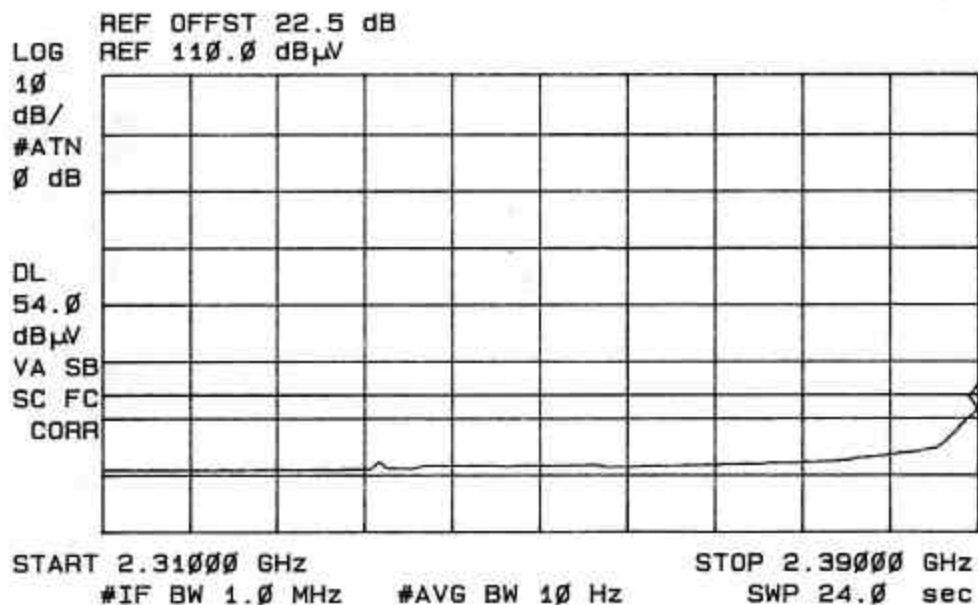
STOP 2.39000 GHz

SWP 20.0 msec

10:36:00 JAN 09, 2003

DISPLAY LINE
54.0 dBμV

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 2.39000 GHz
51.38 dBμV



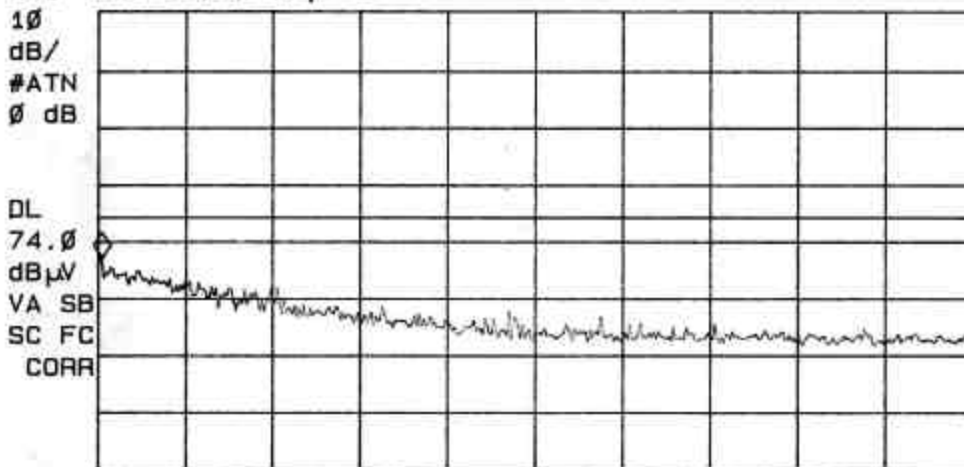
RESTRICTED BAND RADIATED EMISSIONS (HIGH CHANNEL, HORIZONTAL POLARIZATION)
(G MODE)

10: 26: 03 JAN 09, 2003

DISPLAY LINE
74.0 dBμV

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 2.48358 GHz
66.89 dBμV

LOG REF OFFST 22.5 dB
10 REF 110.0 dBμV

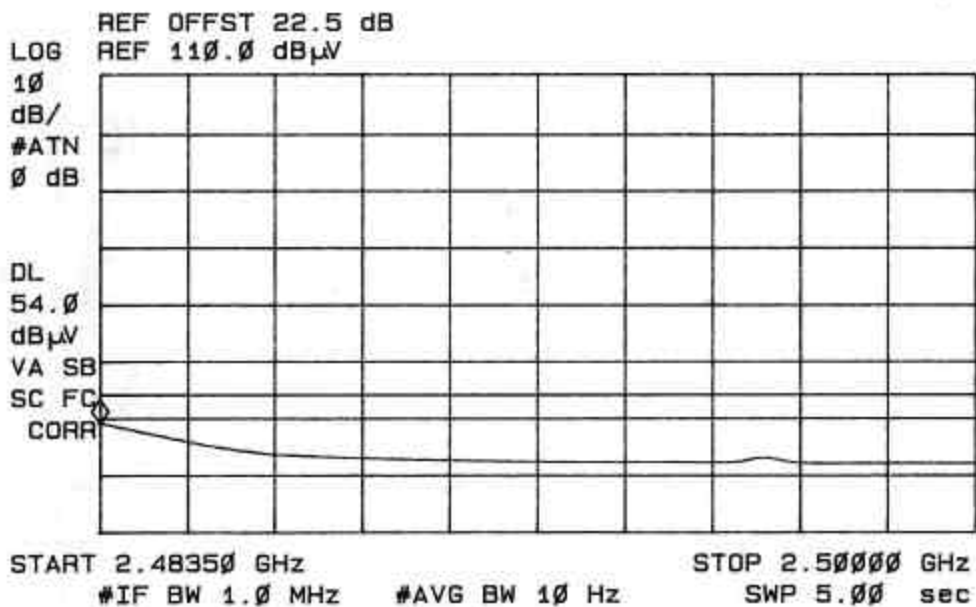


START 2.48350 GHz STOP 2.50000 GHz
#IF BW 1.0 MHz #AVG BW 1 MHz SWP 20.0 msec

10: 28: 58 JAN 09, 2003

DISPLAY LINE
54.0 dBμV

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 2.48350 GHz
48.87 dBμV



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

10: 17: 40 JAN 09, 2003

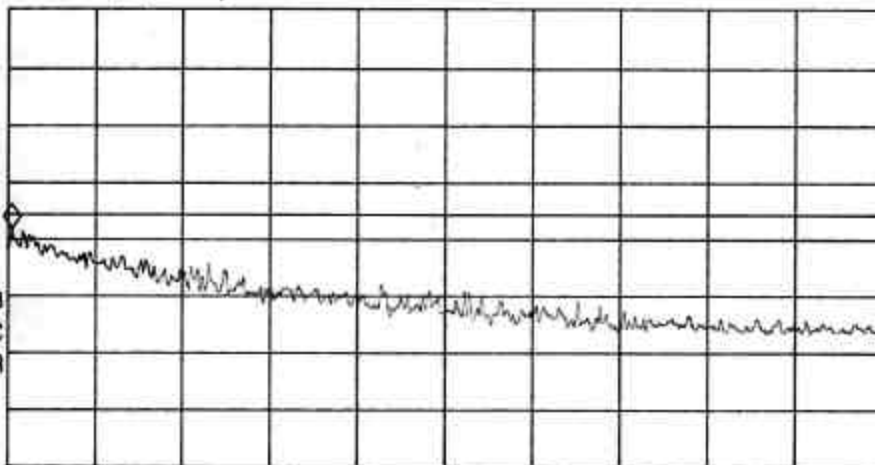
DISPLAY LINE
74.0 dBμV

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 2.48358 GHz
71.46 dBμV

LOG REF OFFST 22.5 dB
REF 110.0 dBμV

10
dB/
#ATN
0 dB

DL
74.0
dBμV
VA SB
SC FC
CORR



START 2.48350 GHz

#IF BW 1.0 MHz

#AVG BW 1 MHz

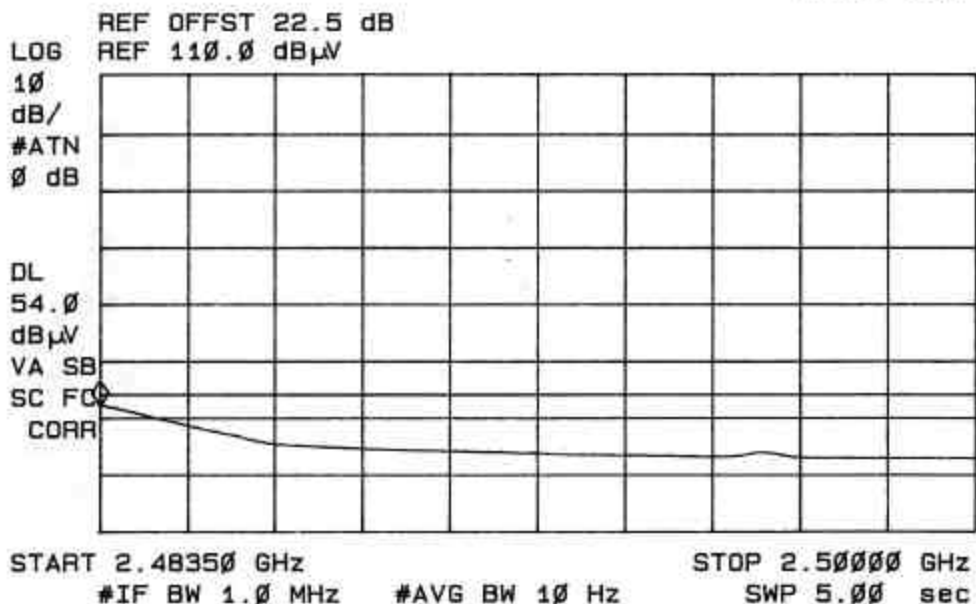
STOP 2.50000 GHz

SWP 20.0 msec

10: 20: 40 JAN 09, 2003

DISPLAY LINE
54.0 dBμV

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 2.48350 GHz
51.99 dBμV



HARMONIC AND SPURIOUS RADIATED EMISSIONS (B MODE)

2.412GHz

01/06/03 **High Frequency Measurement**
Compliance Certification Services, Morgan Hill Open Field Site

Test Engr: Frank Ibrahim
Project #: 02U1750-1
Company: AMBIT MICROSYSTEMS
EUT Descrip.: 802.11 B/G MINI PCI CARD
EUT M/N: B/G CARD
Test Target: FCC
Mode Oper: 11b Base Mode, Fund = 2.412 GHz

Test Equipment:

Cable (feet)	EMCO Horn 1-18GHz	Pre-amplifier 1-26GHz	Spectrum Analyzer	Horn > 18GHz
15	T72; S/N: 6739	Miteq NSP2600-44	8564E Analyzer	T87; ARA 18-26GHz; S/N:1049

Peak Measurements:
1 MHz Resolution Bandwidth
1 MHz Video Bandwidth

Average Measurements:
1 MHz Resolution Bandwidth
10 Hz 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
4.824	9.8	44.2	41.8	33.9	5.7	-36.1	0.0	1.0	48.7	46.3	74.0	54.0	-25.3	-7.7	V
4.824	9.8	46.1	33.8	33.9	5.7	-36.1	0.0	1.0	50.6	38.3	74.0	54.0	-23.4	-15.7	H
NOTE: NO OTHER HARMONICS OR SPURIOUS EMISSIONS WERE DETECTED ABOVE THE NOISE FLOOR															
f	Measurement Frequency			Amp	Preamp Gain			Avg Lim	Average Field Strength Limit			Pk Lim	Peak Field Strength Limit		
Dist	Distance to Antenna			D Corr	Distance Correct to 3 meters			Pk Lim	Peak Field Strength Limit			Pk Lim	Peak Field Strength Limit		
Read	Analyzer Reading			Avg	Average Field Strength @ 3 m			Avg Mar	Margin vs. Average Limit			Avg Mar	Margin vs. Average Limit		
AF	Antenna Factor			Peak	Calculated Peak Field Strength			Pk Mar	Margin vs. Peak Limit			Pk Mar	Margin vs. Peak Limit		
CL	Cable Loss			HPF	High Pass Filter										

01/06/03 High Frequency Measurement
Compliance Certification Services, Morgan Hill Open Field Site

Test Engr: Frank Ibrahim
Project #: 02U1750-1
Company: AMBIT MICROSYSTEMS
EUT Descr.: 802.11 B/G MINI PCI CARD
EUT M/N: B/G CARD
Test Target: FCC
Mode Oper: 11b Base Mode, Fund = 2.437 GHz

Test Equipment:

Cable (feet)	EMCO Horn 1-18GHz	Pre-amplifier 1-26GHz	Spectrum Analyzer	Horn > 18GHz
15	T72; S/N: 6739	Miteq NSP2600-44	8564E Analyzer	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 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
4.874	9.8	48.5	47.3	34.0	5.8	-36.1	0.0	1.0	53.2	52.0	74.0	54.0	-20.8	-2.0	V
7.311	9.8	35.4	32.1	37.1	7.3	-36.3	0.0	1.0	44.5	41.2	74.0	54.0	-29.5	-12.8	V
4.874	9.8	38.8	34.2	34.0	5.8	-36.1	0.0	1.0	43.5	38.9	74.0	54.0	-30.5	-15.1	H
7.311	9.8	35.9	30.4	37.1	7.3	-36.3	0.0	1.0	45.0	39.5	74.0	54.0	-29.0	-14.5	H
NOTE: NO OTHER HARMONICS OR SPURIOUS EMISSIONS WERE DETECTED ABOVE THE NOISE FLOOR															
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								

01/06/03 High Frequency Measurement
Compliance Certification Services, Morgan Hill Open Field Site

Test Engr: Frank Ibrahim
Project #: 02U1750-1
Company: AMBIT MICROSYSTEMS
EUT Descip.: 802.11 B/G MINI PCI CARD
EUT M/N: B/G CARD
Test Target: FCC
Mode Oper: 11b Base Mode, Fund = 2.462 GHz

Test Equipment:

Cable (feet)	EMCO Horn 1-18GHz	Pre-amplifier 1-26GHz	Spectrum Analyzer	Horn > 18GHz
15	172; S/N: 6739	Miteq NSP2600-44	8564E Analyzer	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 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
4.924	9.8	48.5	45.6	34.2	5.8	-36.1	0.0	1.0	53.4	50.5	74.0	54.0	-20.6	-3.5	V
7.386	9.8	38.7	35.3	37.3	7.3	-36.2	0.0	1.0	48.0	44.6	74.0	54.0	-26.0	-9.4	V
4.924	9.8	40.5	35.9	34.2	5.8	-36.1	0.0	1.0	45.4	40.8	74.0	54.0	-28.6	-13.2	H
7.386	9.8	36.2	30.1	37.3	7.3	-36.2	0.0	1.0	45.5	39.4	74.0	54.0	-28.5	-14.6	H
NOTE: NO OTHER HARMONICS OR SPURIOUS EMISSIONS WERE DETECTED ABOVE THE NOISE FLOOR															
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								

HARMONIC AND SPURIOUS RADIATED EMISSION (G NORMAL MODE)

2.412GHz

01/06/03 High Frequency Measurement

Compliance Certification Services, Morgan Hill Open Field Site

Test Engr: Frank Ibrahim
 Project #: 02U1750-1
 Company: AMBIT MICROSYSTEMS
 EUT Descrip.: 802.11 B/G MINI PCI CARD
 EUT M/N: B/G CARD
 Test Target: FCC
 Mode Oper: 11g Base Mode, Fund = 2.412 GHz,

Test Equipment:

Cable (feet)	EMCO Horn 1-18GHz	Pre-amplifier 1-26GHz	Spectrum Analyzer	Horn > 18GHz
15	T72; S/N: 6739	Miteq NSP2600-44	8564E Analyzer	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 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
4.824	9.8	48.6	42.1	33.9	5.7	-36.1	0.0	1.0	53.1	46.6	74.0	54.0	-20.9	-7.4	V
4.824	9.8	39.5	33.2	33.9	5.7	-36.1	0.0	1.0	44.0	37.7	74.0	54.0	-30.0	-16.3	H
NOTE: NO OTHER HARMONICS OR SPURIOUS EMISSIONS WERE DETECTED ABOVE THE NOISE FLOOR															
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								

REPORT NO: 03U1761-1
EUT: 802.11 b/g MINI PCI CARD
2.437GHz

DATE: FEBRUARY 21, 2003
FCC ID: MCLJ07H06904

01/06/03 High Frequency Measurement
Compliance Certification Services, Morgan Hill Open Field Site

Test Engr: Frank Ibrahim
Project #: 02U1750-1
Company: AMBIT MICROSYSTEMS
EUT Descip.: 802.11 B/G MINI PCI CARD
EUT M/N: B/G CARD
Test Target: FCC
Mode Oper: 11g Base Mode, Fund = 2.437 GHz,

Test Equipment:

Cable (feet)	EMCO Horn 1-18GHz	Pre-amplifier 1-26GHz	Spectrum Analyzer	Horn > 18GHz
15	T72; S/N: 6739	Miteq NSP2600-44	8564E Analyzer	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 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
4.874	9.8	41.5	30.8	34.0	5.8	-36.1	0.0	1.0	46.2	35.5	74.0	54.0	-27.8	-18.5	V
7.311	9.8	42.6	29.8	37.1	7.3	-36.3	0.0	1.0	51.7	38.9	74.0	54.0	-22.3	-15.1	V
4.874	9.8	37.3	29.5	34.0	5.8	-36.1	0.0	1.0	42.0	34.2	74.0	54.0	-32.0	-19.8	H
7.311	9.8	39.5	29.7	37.1	7.3	-36.3	0.0	1.0	48.6	38.8	74.0	54.0	-25.4	-15.2	H
NOTE: NO OTHER HARMONICS OR SPURIOUS EMISSIONS WERE DETECTED ABOVE THE NOISE FLOOR															
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								

01/06/03 High Frequency Measurement
Compliance Certification Services, Morgan Hill Open Field Site

Test Engr: Frank Ibrahim
Project #: 02U1750-1
Company: AMBIT MICROSYSTEMS
EUT Descip.: 802.11 B/G MINI PCI CARD
B/G CARD
EUT M/N: FCC
Test Target: FCC
Mode Oper: 11g Base Mode, Fund = 2.462 GHz,

Test Equipment:

Cable (feet)	EMCO Horn 1-18GHz	Pre-amplifier 1-26GHz	Spectrum Analyzer	Horn > 18GHz
15	T72; S/N: 6739	Miteq NSP2600-44	8564E Analyzer	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 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
4.924	9.8	46.5	36.1	34.2	5.8	-36.1	0.0	1.0	51.4	41.0	74.0	54.0	-22.6	-13.0	V
7.386	9.8	37.2	29.5	37.3	7.3	-36.2	0.0	1.0	46.5	38.8	74.0	54.0	-27.5	-15.2	V
4.924	9.8	39.1	29.7	34.2	5.8	-36.1	0.0	1.0	44.0	34.6	74.0	54.0	-30.0	-19.4	H
7.386	9.8	35.8	30.0	37.3	7.3	-36.2	0.0	1.0	45.1	39.3	74.0	54.0	-28.9	-14.7	H
NOTE: NO OTHER HARMONICS OR SPURIOUS EMISSIONS WERE DETECTED ABOVE THE NOISE FLOOR															
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								

HARMONIC AND SPURIOUS RADIATED EMISSION (G TURBO MODE)

2.437GHz

01/06/03 **High Frequency Measurement**
Compliance Certification Services, Morgan Hill Open Field Site

Test Engr: Frank Ibrahim
Project #: 02U1750-1
Company: AMBIT MICROSYSTEMS
EUT Descrip.: 802.11 B/G MINI PCI CARD
EUT M/N: B/G CARD
Test Target: FCC
Mode Oper: 11g Turbo Mode, Fund = 2.437 GHz

Test Equipment:

Cable (feet)	EMCO Horn 1-18GHz	Pre-amplifier 1-26GHz	Spectrum Analyzer	Horn > 18GHz
15	T72; S/N: 6739	Miteq NSP2600-44	8564E Analyzer	T87; ARA 18-26GHz; S/N:1049

Peak Measurements:
1 MHz Resolution Bandwidth
1 MHz Video Bandwidth

Average Measurements:
1 MHz Resolution Bandwidth
10 Hz 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
4.874	9.8	39.2	29.6	34.0	5.8	-36.1	0.0	1.0	43.9	34.3	74.0	54.0	-30.1	-19.7	V
7.311	9.8	43.4	31.5	37.1	7.3	-36.3	0.0	1.0	52.5	40.6	74.0	54.0	-21.5	-13.4	V
NOTE: NO OTHER HARMONICS OR SPURIOUS EMISSIONS WERE DETECTED ABOVE THE NOISE FLOOR															
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								

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 #: 03U1761
Report #: 021003C2
Date & Time: 02/10/03 4:08 PM
Test Engr: NEEL ESH RAJ

Company: AMBIT MICROSYSTEMS
EUT Description: 802.11 b/g MINI PCI CARD
Test Configuration : EUT/AC ADAPTER/PRINTER/MODEM
Type of Test: CISPR22-B
Mode of Operation: TX

[<< Main Sheet](#)

Freq	Reading	AE	Class	Pre-amp	Level	Limit	Margin	Pol	Az	Height	Mark
(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	EN B	(dB)	(H/V)	(Deg)	(Meter)	(P/Q/A)
192.00	36.50	15.70	2.37	26.66	27.91	30.00	-2.09	10mV	180.00	1.00	QP
160.00	35.30	17.05	2.14	26.80	27.69	30.00	-2.31	10mV	180.00	1.00	QP
133.33	39.30	13.36	1.94	26.95	27.65	30.00	-2.35	10mV	180.00	1.00	QP
334.78	43.10	14.95	3.19	26.64	34.60	37.00	-2.40	10mV	180.00	1.00	QP
633.33	37.80	19.70	4.69	27.84	34.35	37.00	-2.65	10mV	45.00	1.00	QP
324.83	42.37	14.86	3.14	26.57	33.80	37.00	-3.20	10mV	180.00	1.00	QP
6 Worst	Data										

8.8. 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.

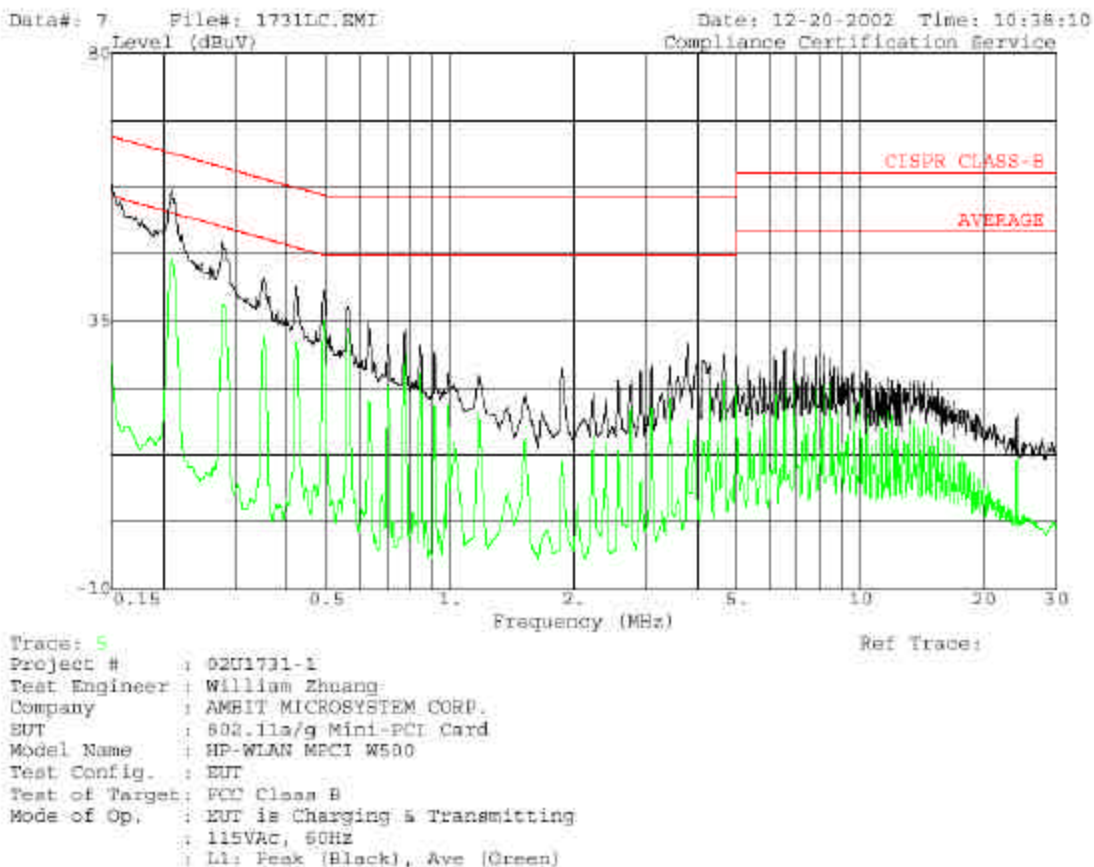
RESULTS

No non-compliance noted:

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	58.14	--	29.47	0.00	65.94	55.94	-7.80	-26.47	L1
0.21	56.96	--	46.08	0.00	64.31	54.31	-7.35	-8.23	L1
0.28	48.42	--	37.81	0.00	62.40	52.40	-13.98	-14.59	L1
0.16	57.92	--	29.62	0.00	65.80	55.80	-7.88	-26.18	L2
0.21	59.52	--	48.38	0.00	64.31	54.31	-4.79	-5.93	L2
0.28	49.76	--	39.58	0.00	62.31	52.31	-12.55	-12.73	L2
6 Worst Data									

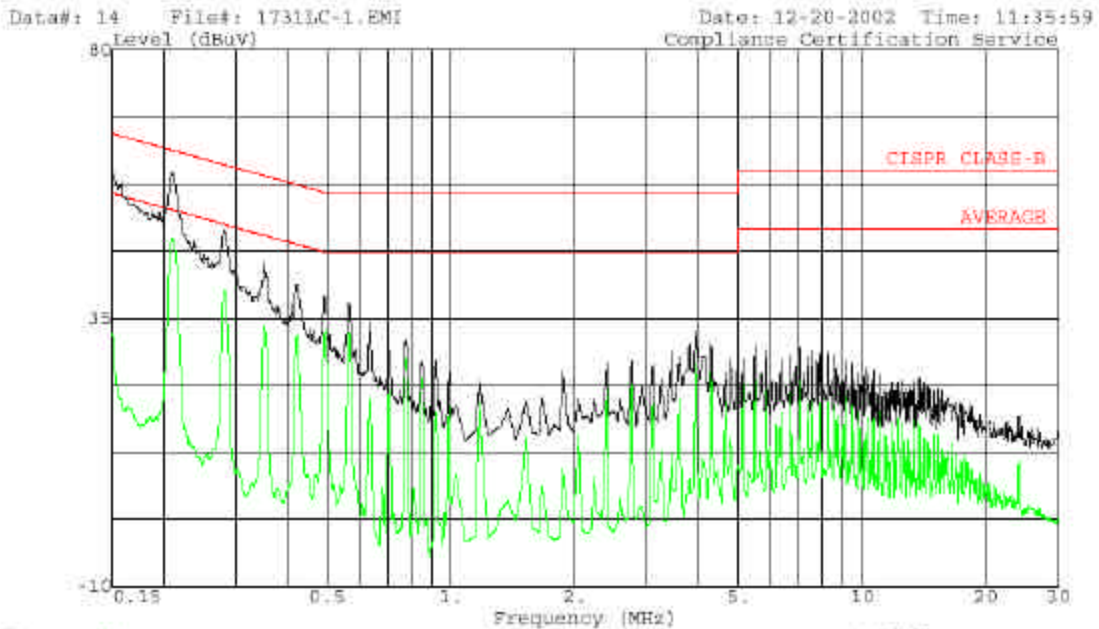


561F Monterey Road,
San Jose, CA 95037 USA
Tel: (408) 463-0885
Fax: (408) 463-0888





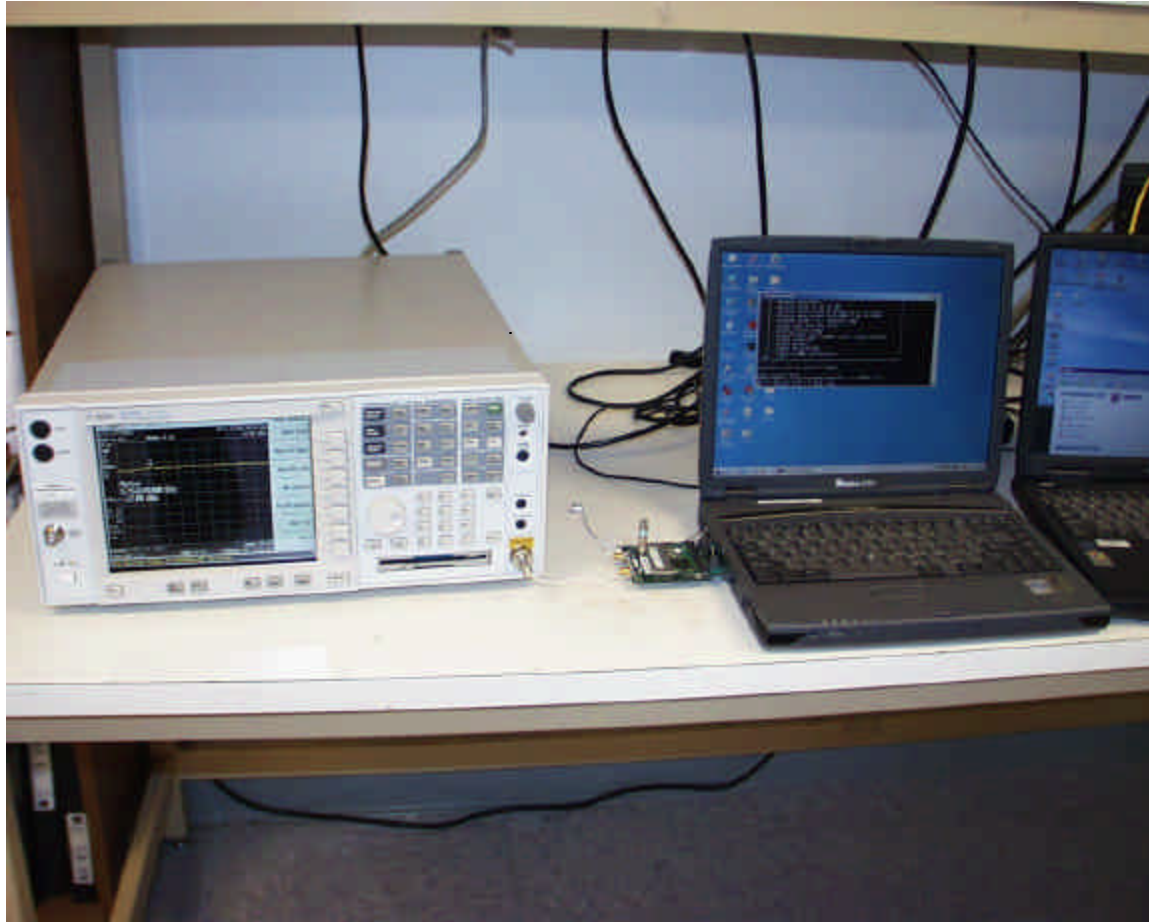
561F Monterey Road,
San Jose, CA 95037 USA
Tel: (408) 463-0885
Fax: (408) 463-0888



Trace: 12
Project #: 03U1731-1
Test Engineer: William Zhuang
Company: AMBIT MICROSYSTEM CORP.
EUT: 802.11a/g Mini-PCI Card
Model Name: HP-WLAN MPCI W500
Test Config.: EUT
Test of Target: FCC Class B
Mode of Op.: EUT is Charging & Transmitting
: 115VAC, 60Hz
: L2: Peak (BLACK), Ave (GREEN)

8.9. SETUP PHOTOS

ANTENNA PORT CONDUCTED RF MEASUREMENT SETUP



RADIATED RF MEASUREMENT SETUP





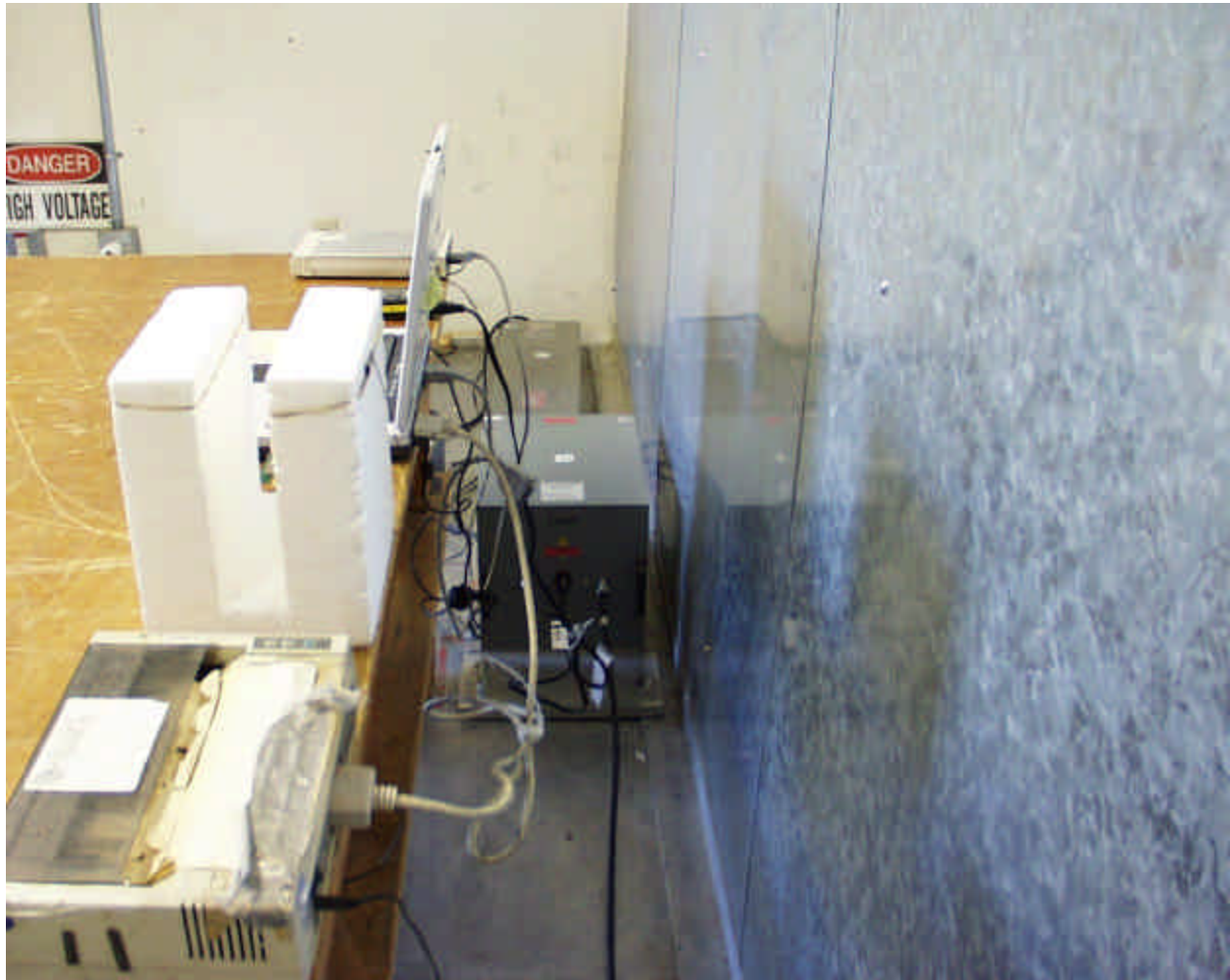
DIGITAL DEVICE RADIATED EMISSIONS MEASUREMENT SETUP





POWERLINE CONDUCTED EMISSIONS MEASUREMENT SETUP





END OF REPORT