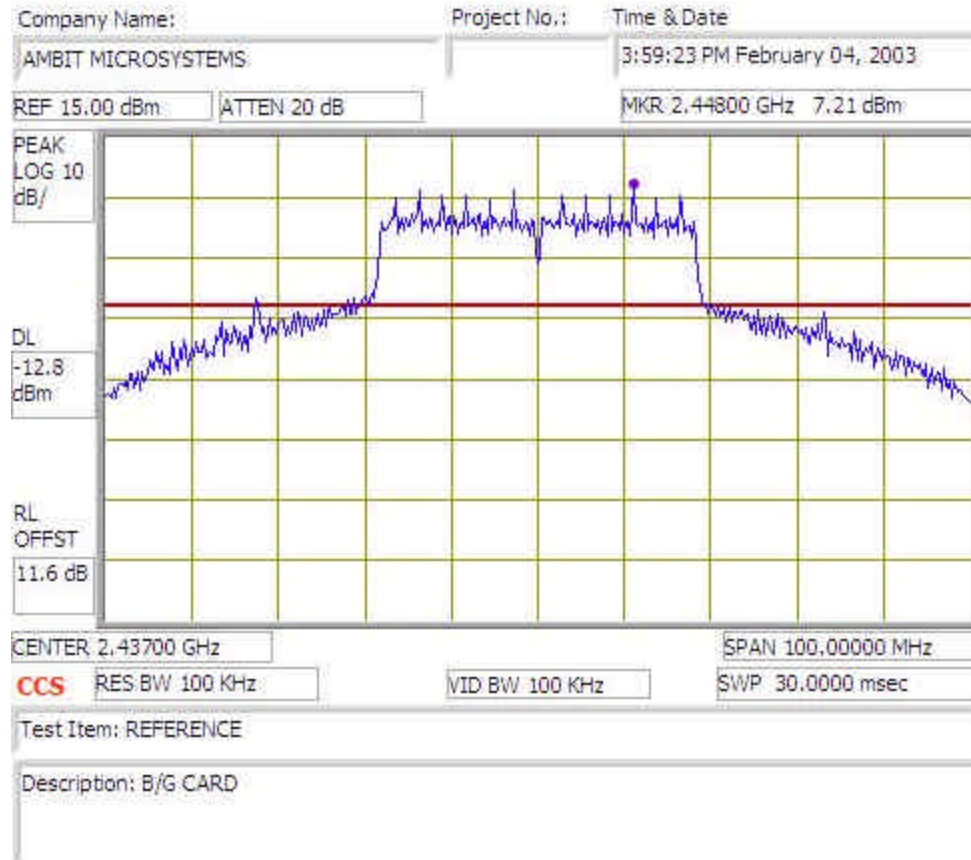
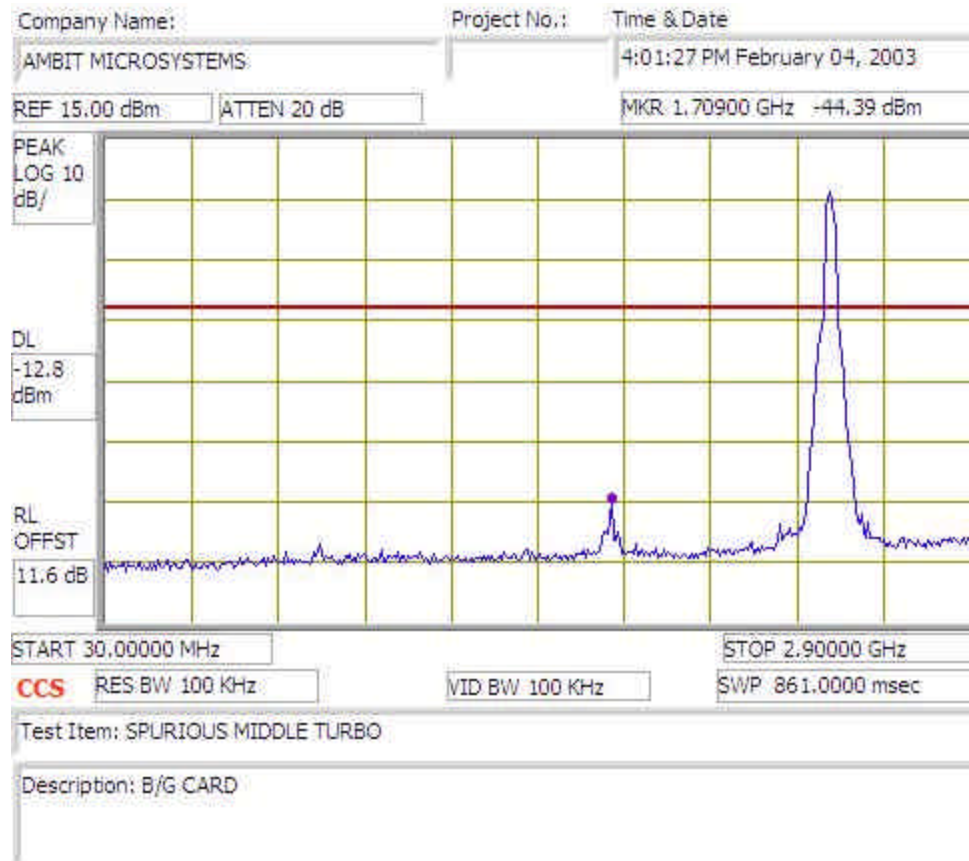
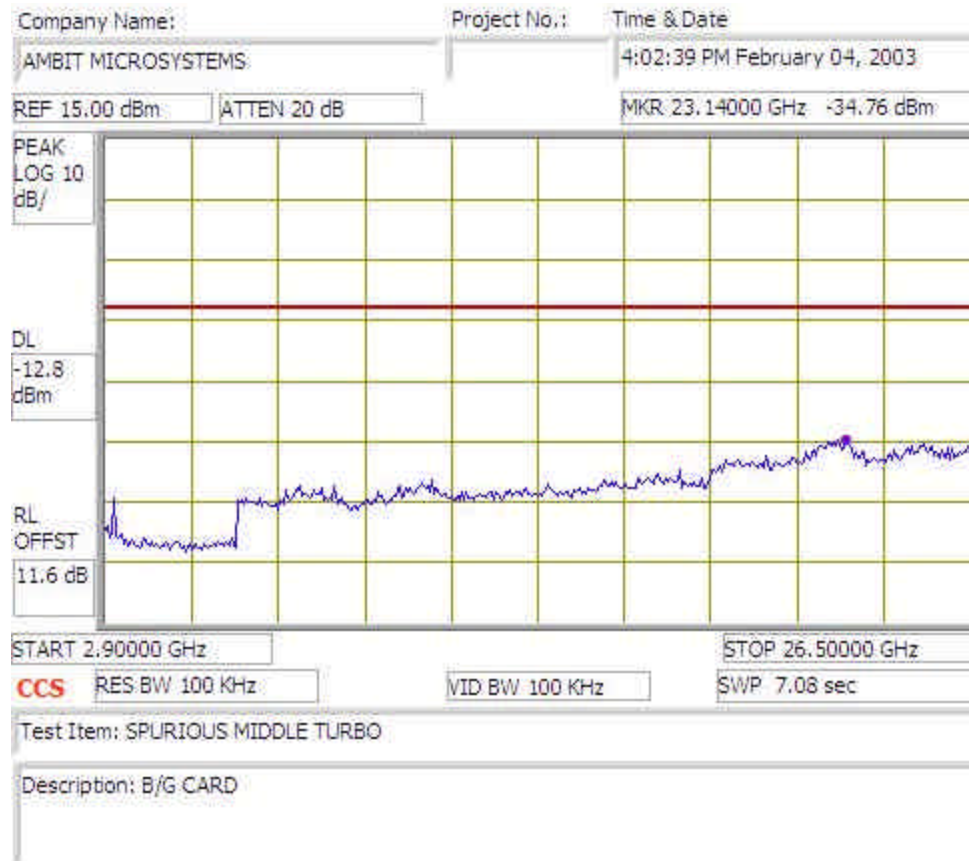


CONDUCTED SPURIOUS EMISSIONS (2.4 GHZ g BAND, TURBO MODE)







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.

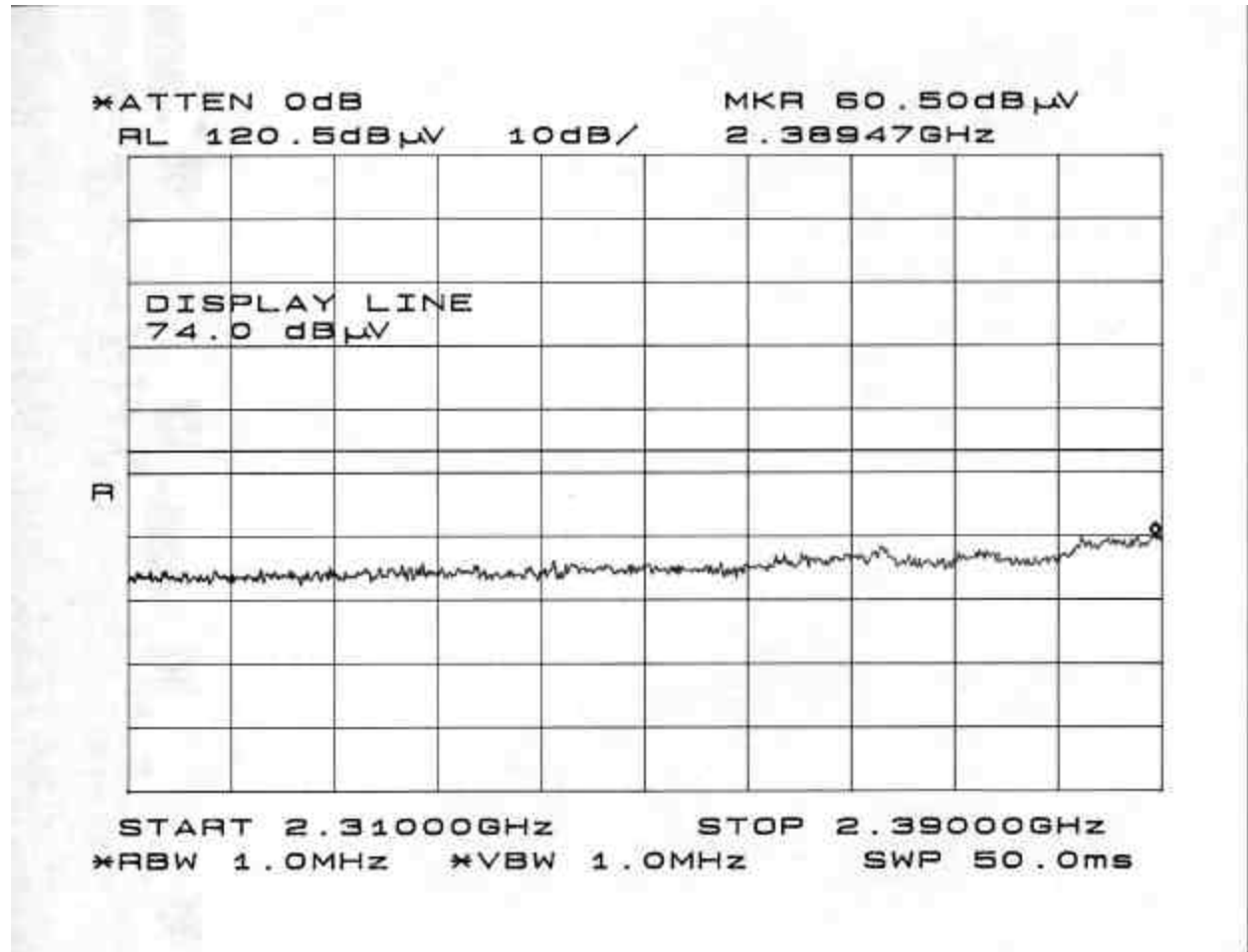
The spectrum from 30 MHz to 26 GHz is investigated with the transmitter set to the lowest, middle, and highest channels within the 2.4 GHz band.

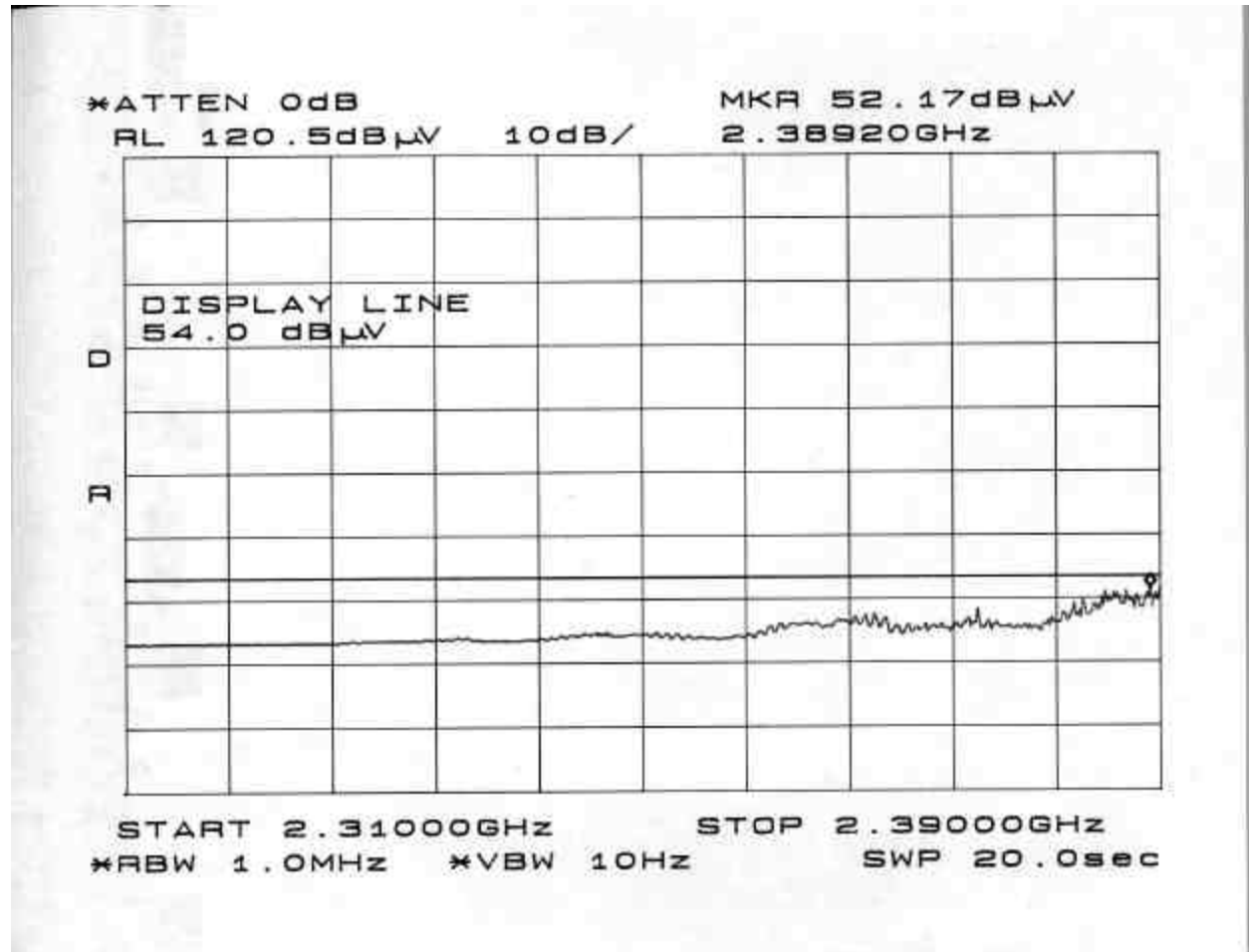
The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The frequency span is set small enough to easily differentiate between broadcast stations, intermittent ambient signals and EUT emissions. The EUT is rotated through 360 degrees to maximize emissions received. The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

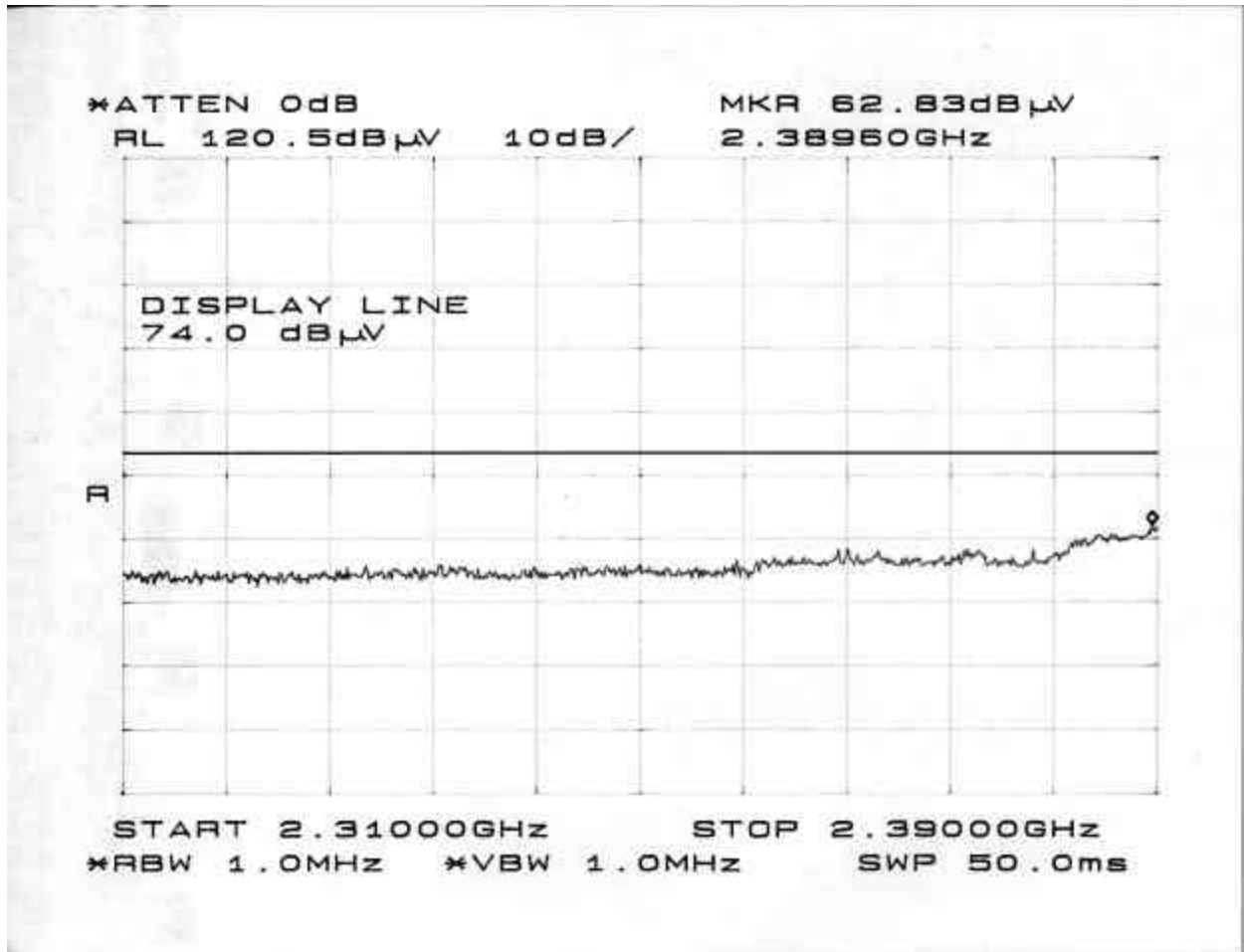
No non-compliance noted:

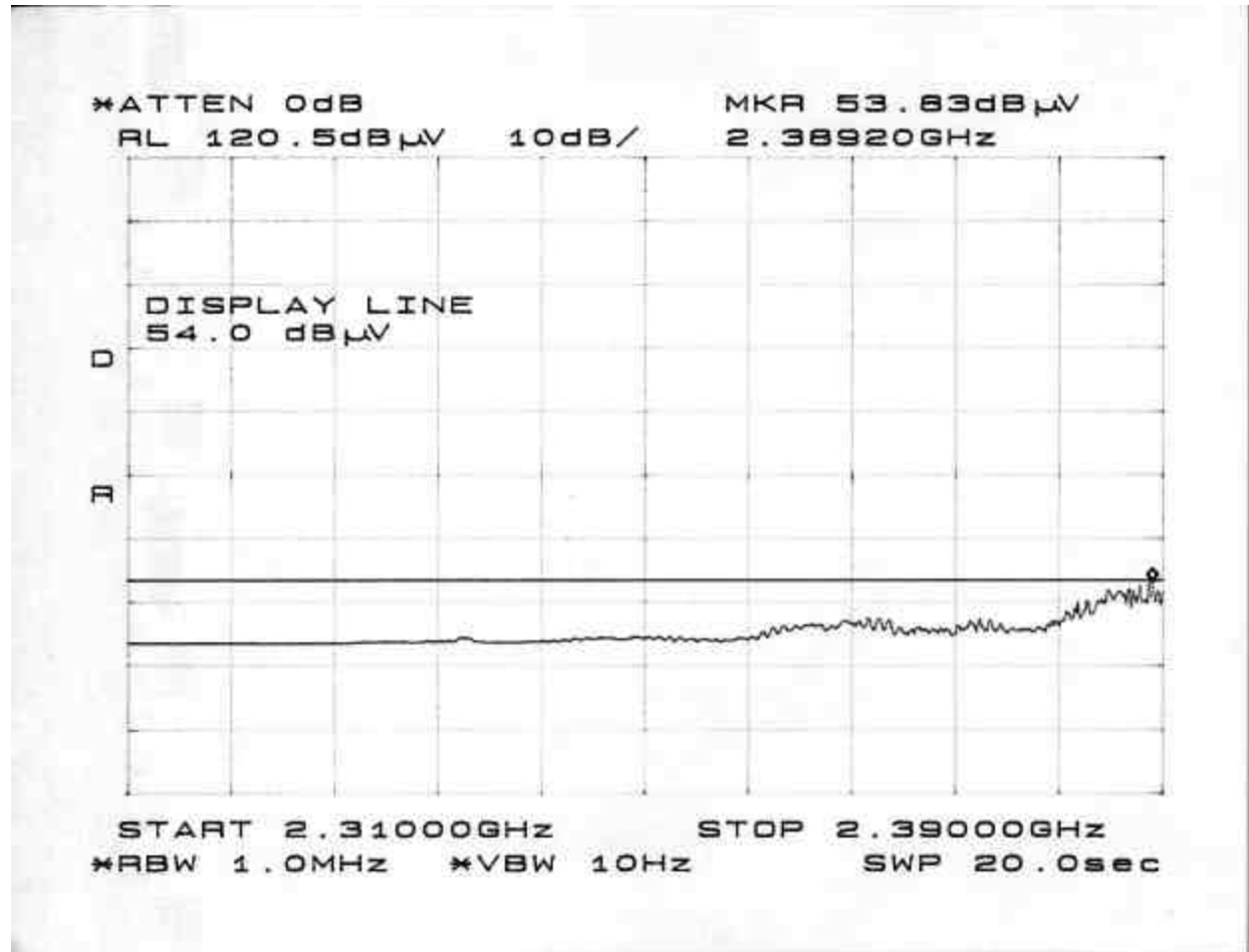
**RESTRICTED BAND RADIATED EMISSIONS (LOW CHANNEL, HORIZONTAL POLARIZATION)
(B MODE)**



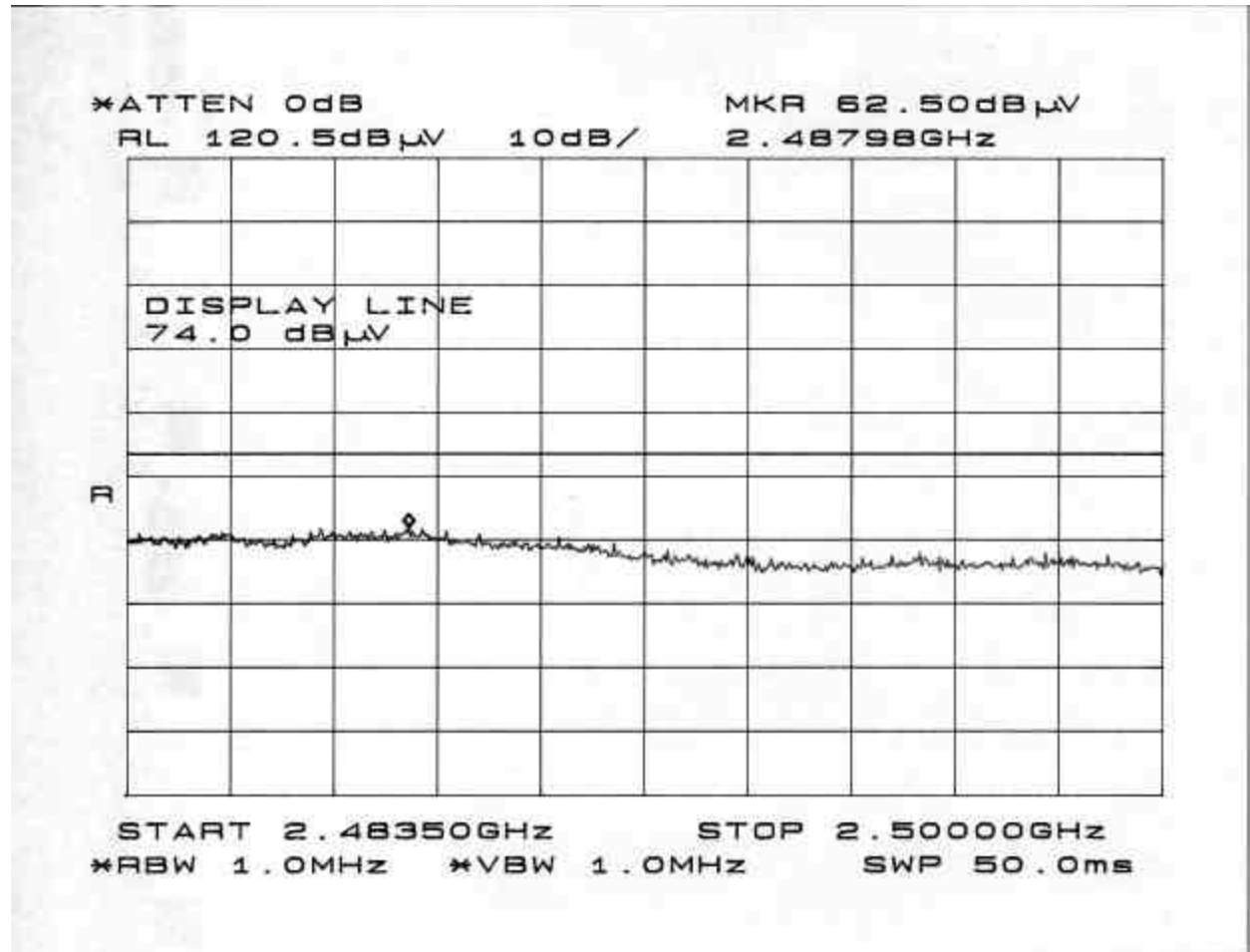


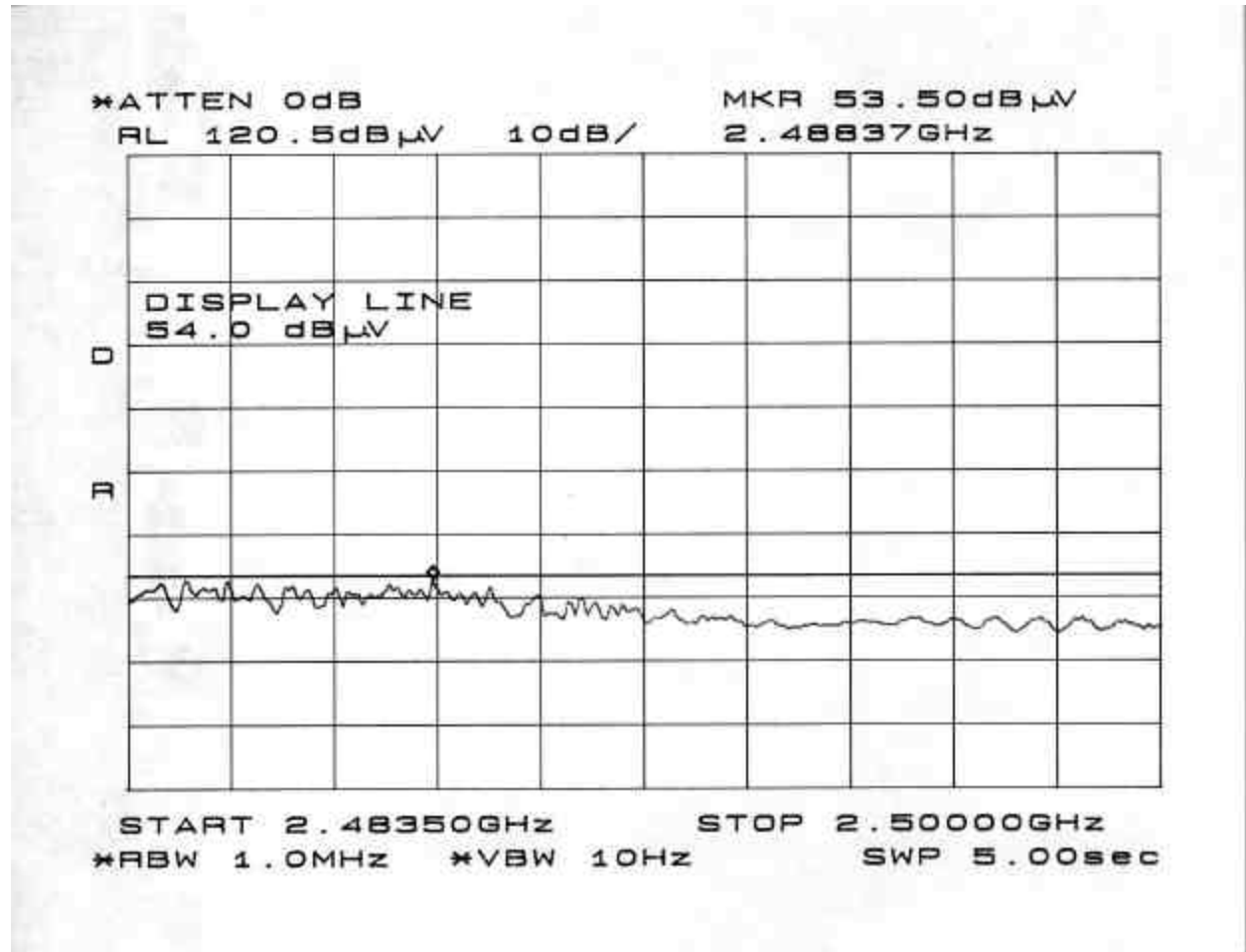
**RESTRICTED BAND RADIATED EMISSIONS (LOW CHANNEL, VERTICAL POLARIZATION)
(B MODE)**



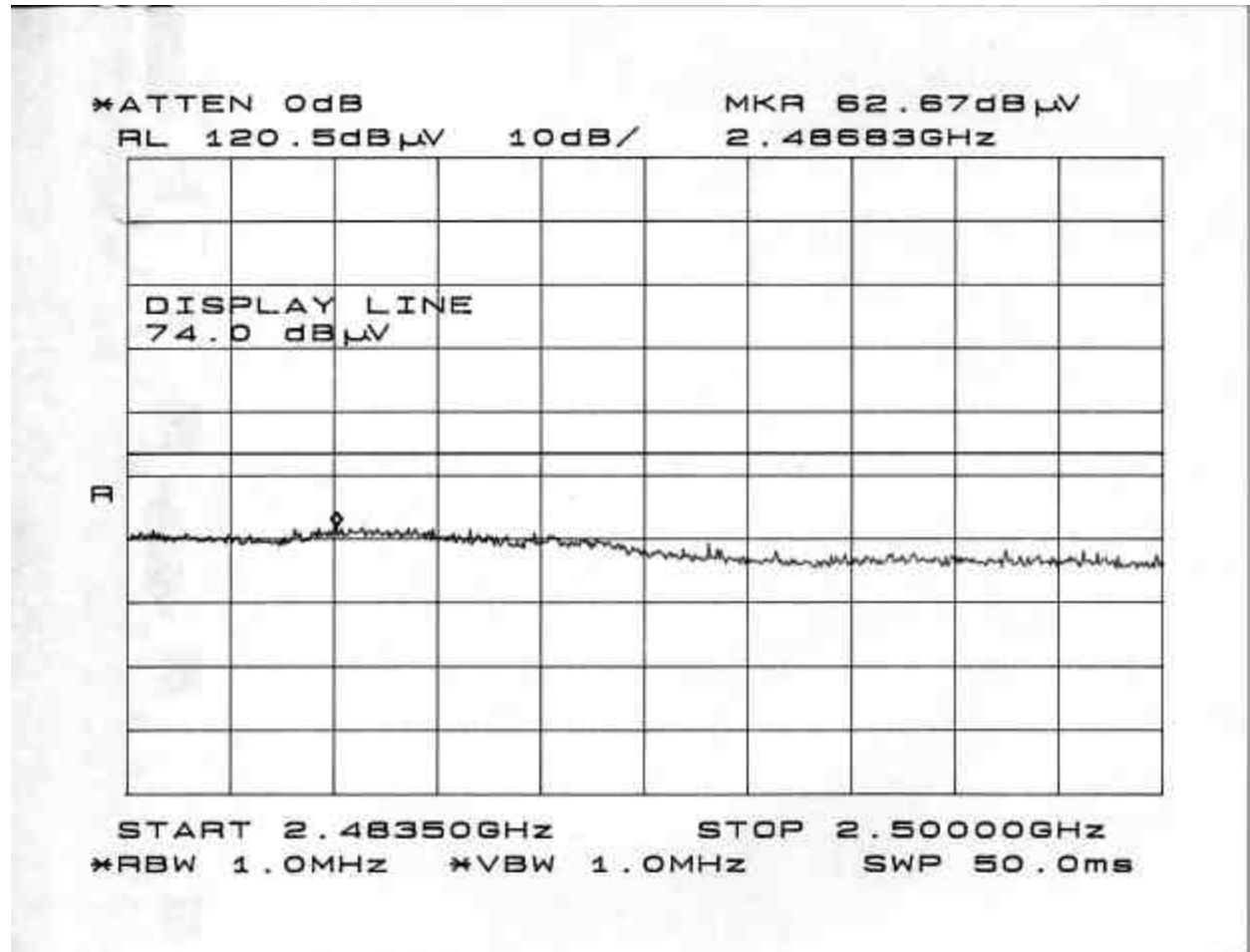


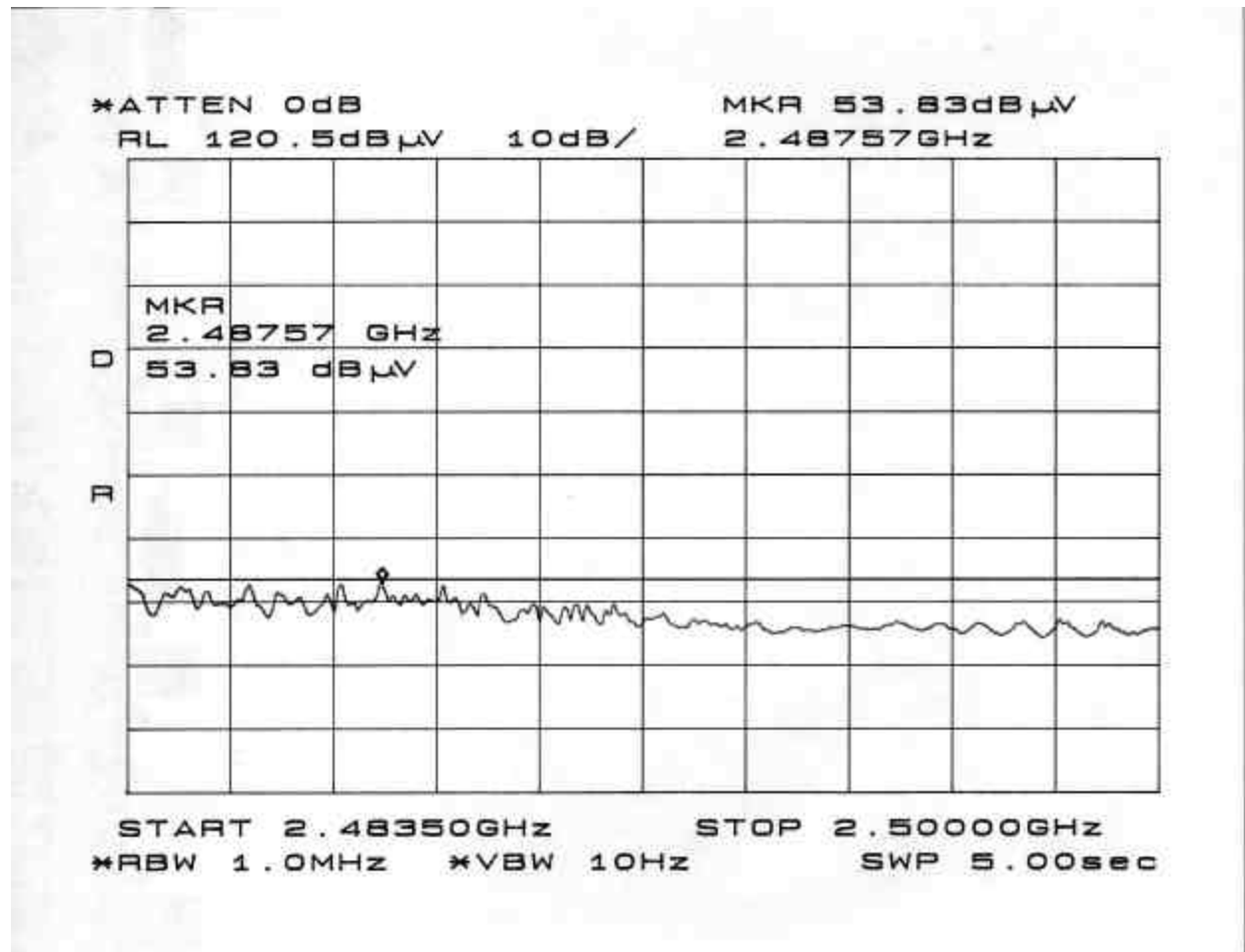
**RESTRICTED BAND RADIATED EMISSIONS (HIGH CHANNEL, HORIZONTAL POLARIZATION)
(B MODE)**





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



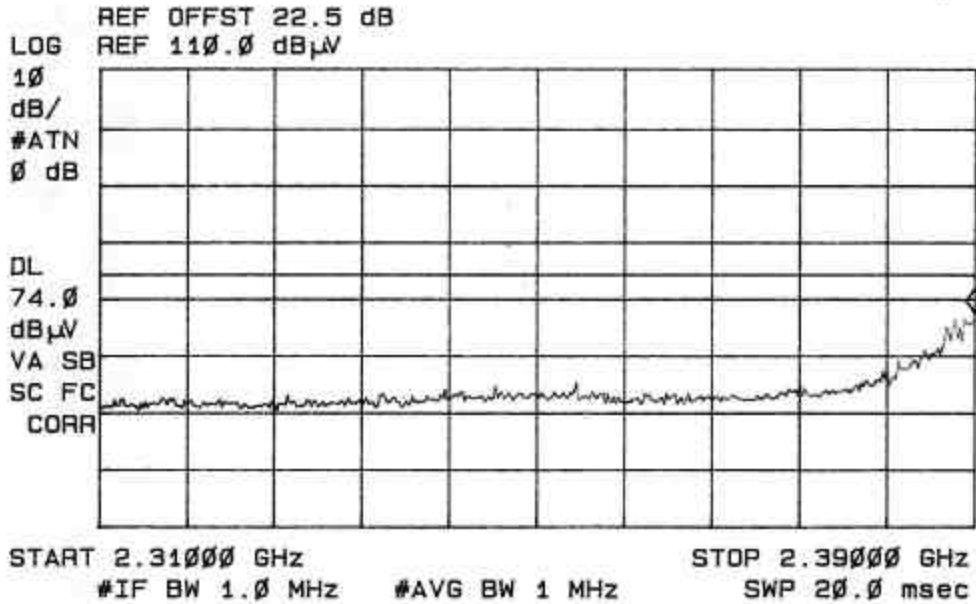


**RESTRICTED BAND RADIATED EMISSIONS (LOW CHANNEL, HORIZONTAL POLARIZATION)
(G MODE)**

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



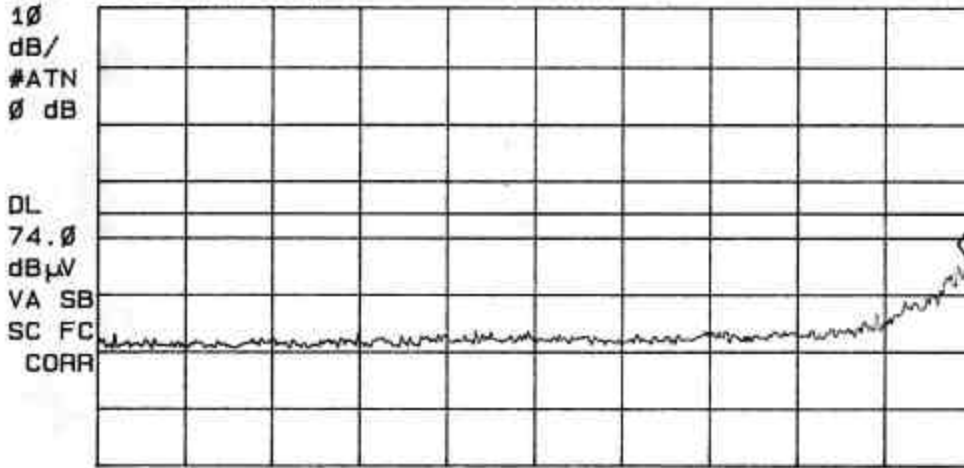
**RESTRICTED BAND RADIATED EMISSIONS (LOW CHANNEL, VERTICAL POLARIZATION)
(G MODE)**

10:39:07 JAN 09, 2003

DISPLAY LINE
74.0 dB μ V

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

LOG REF OFFST 22.5 dB
REF 110.0 dB μ V

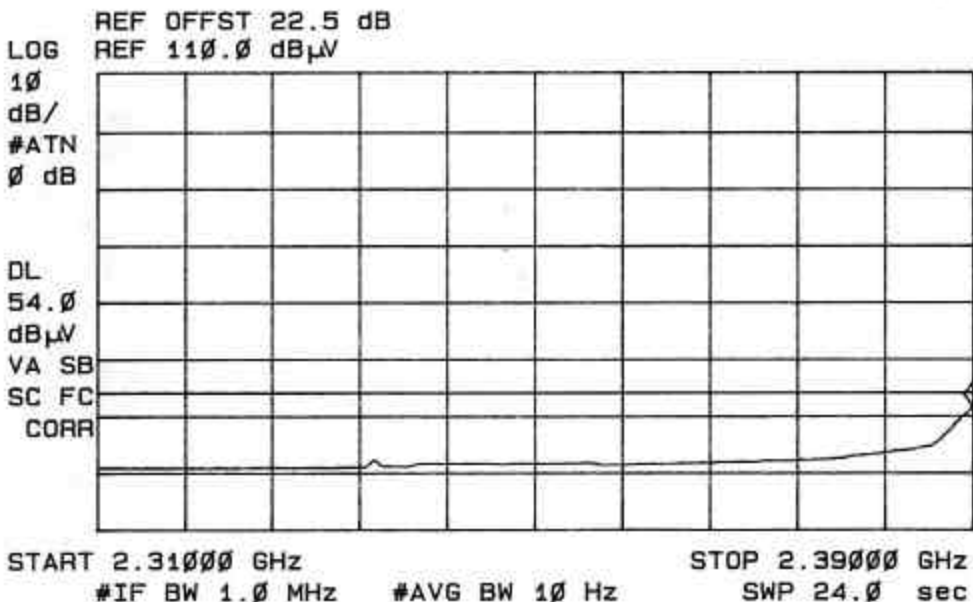


START 2.31000 GHz #IF BW 1.0 MHz #AVG BW 1 MHz STOP 2.39000 GHz
SWP 20.0 msec

10:36:00 JAN 09, 2003

DISPLAY LINE
54.0 dBμV

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

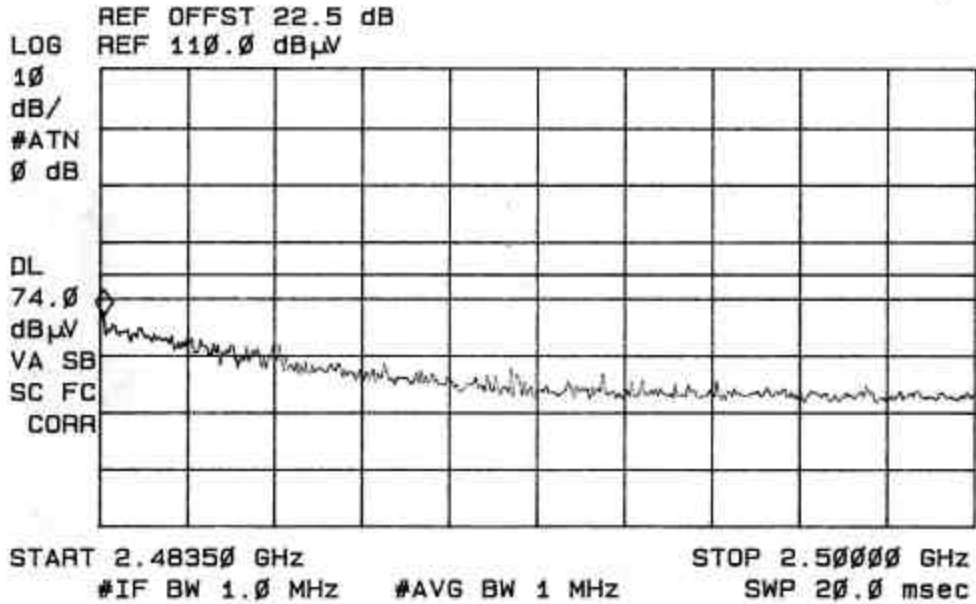


**RESTRICTED BAND RADIATED EMISSIONS (HIGH CHANNEL, HORIZONTAL POLARIZATION)
(G MODE)**

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

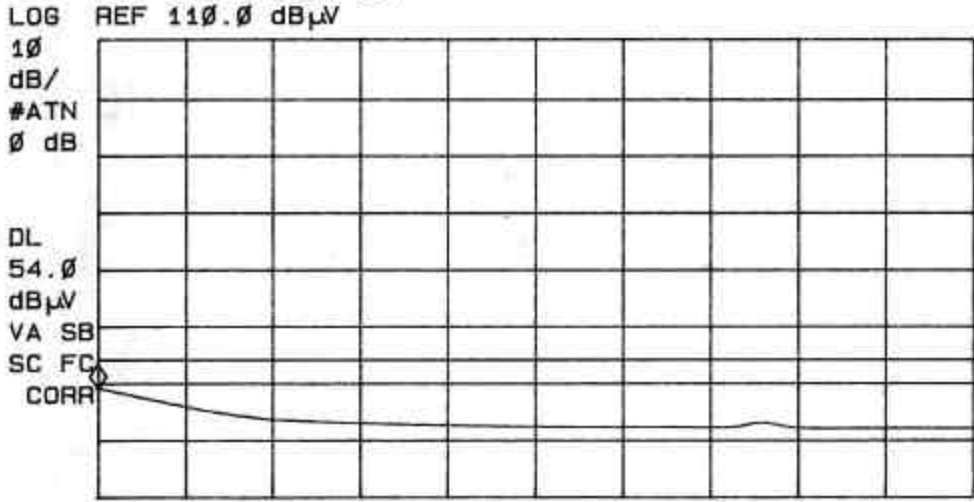


10:28:58 JAN 09, 2003

DISPLAY LINE
54.0 dBμV

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

REF OFFST 22.5 dB
REF 110.0 dBμV



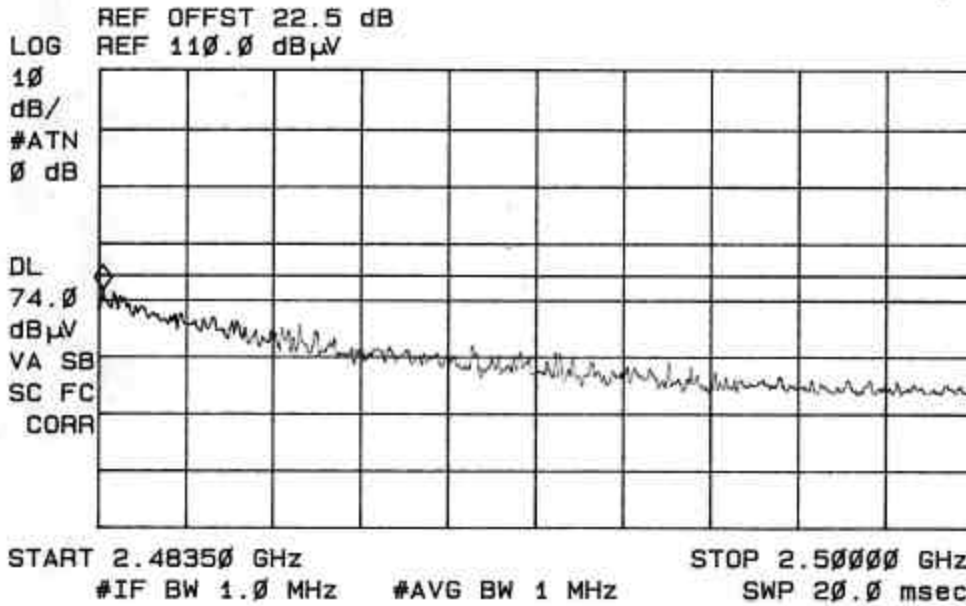
START 2.48350 GHz STOP 2.50000 GHz
#IF BW 1.0 MHz #AVG BW 10 Hz SWP 5.00 sec

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

10: 17: 40 JAN 09, 2003

DISPLAY LINE
74.0 dBμV

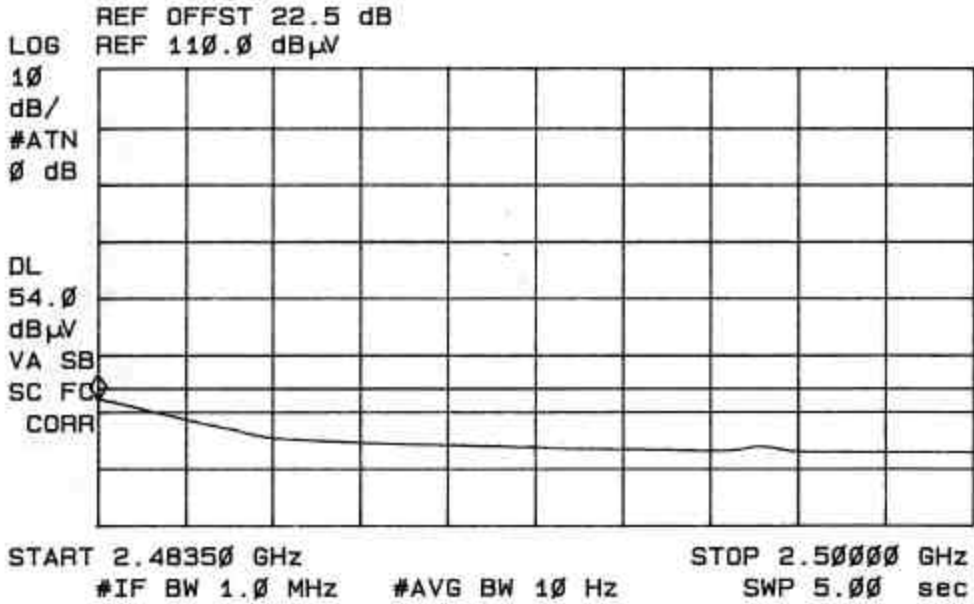
ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 2.48358 GHz
71.46 dBμV



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 WITH AGENCY SERIES PP2170 LAPTOP
 EUT M/N: B/GCARD
 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	44.0	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	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 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

Test Environment:

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

Test Environment:

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	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	H
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	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 EMISSIONS (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 WITH AGENCY SERIES PP2170 LAPTOP
 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
 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	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	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 Descrip.: 802.11 B/G MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP
 B/G CARD
 EUT M/N: FCC
 Test Target: FCC
 Mode Oper: 11g Base Mode, Fund = 2.437 GHz.

Test Environment:

Cable (feet) 15	EMCO Horn 1-18GHz T72; S/N: 6739	Pre-amplifier 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 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	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	H
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	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 Descrip.: 802.11 B/G MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP
 B/G CARD
 EUT M/N: FCC
 Test Target: FCC
 Mode Oper: 11g Base Mode, Fund = 2.462 GHz.

Test Equipment:

Cable (feet) 15	EMCO Horn 1-18GHz T72; S/N: 6739	Pre-amplifier 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 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	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	H
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	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 EMISSIONS (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 WITH AGENCY SERIES PP2170 LAPTOP
 EUT M/N: B/GCARD
 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	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 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

 <p>FCC, VCCI, CISPR, CE, AUSTEL, NZ UL, CSA, TUV, BSMI, DHHS, NVLAP</p> <p>561F MONTEREY ROAD, SAN JOSE, CA 95037-9001 PHONE: (408) 463-0885 FAX: (408) 463-0888</p>	<p><i>Project #:</i> <u>02u1750</u></p> <p><i>Report #:</i> <u>021303b2</u></p> <p><i>Date & Time:</i> <u>02/13/03 4:48 PM</u></p> <p><i>Test Engr:</i> <u>neesh raj</u></p>
	<p><i>Company:</i> <u>AMBIT MICROSYSTEMS</u></p> <p><i>EUT Description:</i> <u>802.11 b/g MINI PCICARD WITH AGENCY SERIES PP2170 LAPTOP</u></p> <p><i>Test Configuration:</i> <u>EUT/AC ADAPTER/MONITOR/USB MOUSE</u></p> <p><i>Type of Test:</i> <u>CISPR22-B</u></p> <p><i>Mode of Operation:</i> <u>TX</u></p>

[<< Main Sheet](#)

Freq (MHz)	Reading (dBuV)	AF (dB)	Class (dB)	Pre-amp (dB)	Level (dBuV/m)	Limit EN B	Margin (dB)	Pol (H/V)	Az (Deg)	Height (Meter)	Mark (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	P
133.33	38.20	11.33	2.86	28.34	24.06	30.00	-5.94	10mH	180.00	1.00	P
624.10	35.30	18.74	6.42	28.95	31.51	37.00	-5.49	10mV	180.00	1.00	P
628.68	35.30	18.74	6.45	28.96	31.54	37.00	-5.46	10mH	135.00	1.00	P
624.10	34.00	18.74	6.42	28.95	30.21	37.00	-6.79	10mH	180.00	1.00	P
6 Worst Data											

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

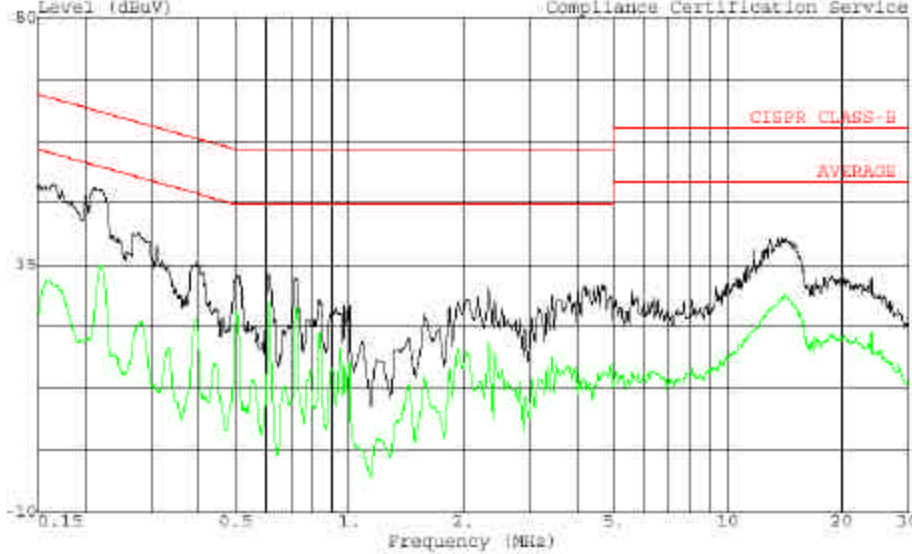
No non-compliance noted:

CONDUCTED EMISSIONS DATA (115VAC 60Hz)									
Freq.	Reading			Class	Limit	EN_B	Margin		Remark
(MHz)	PK (dBuV)	QP (dBuV)	AV (dBuV)	(dB)	QP	AV	QP (dB)	AV (dB)	L1 / L2
0.21	48.81	--	27.88	0.00	64.20	54.20	-15.39	-26.32	L1
0.17	49.58	--	31.18	0.00	65.57	55.57	-15.99	-24.39	L1
0.27	40.56	--	24.11	0.00	62.46	52.46	-21.90	-28.35	L1
0.21	52.28	--	22.94	0.00	64.43	54.43	-12.15	-31.49	L2
0.17	51.58	--	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
6 Worst Data									



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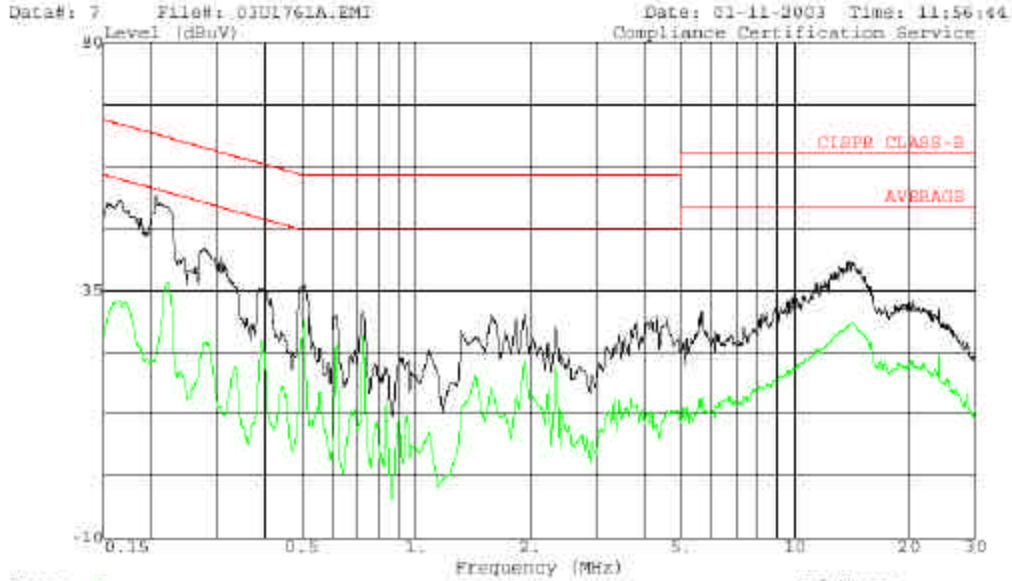
Data#: 7 File#: 03U1751B.EMI Date: 01-11-2003 Time: 12:09:45



Traces: 5
Project #: 03U1751
Test Engineer: NEELESH RAJ
Company: AMBIT MICROSYSTEMS
EUT: 802.11 B/G
MINI-PCI CARD/SAPPHIRE LAPTOP
Model Name: W100 WITH SAPPHIRE LAPTOP
Test Config: HWT/MONITOR/MOUSE
Test of Target: CISPR 22 Class B
Mode of Op.: TRANSMITTING MODE
115VAC@60Hz
LINE 1 (PEAK:BLACK AVG:GREEN)

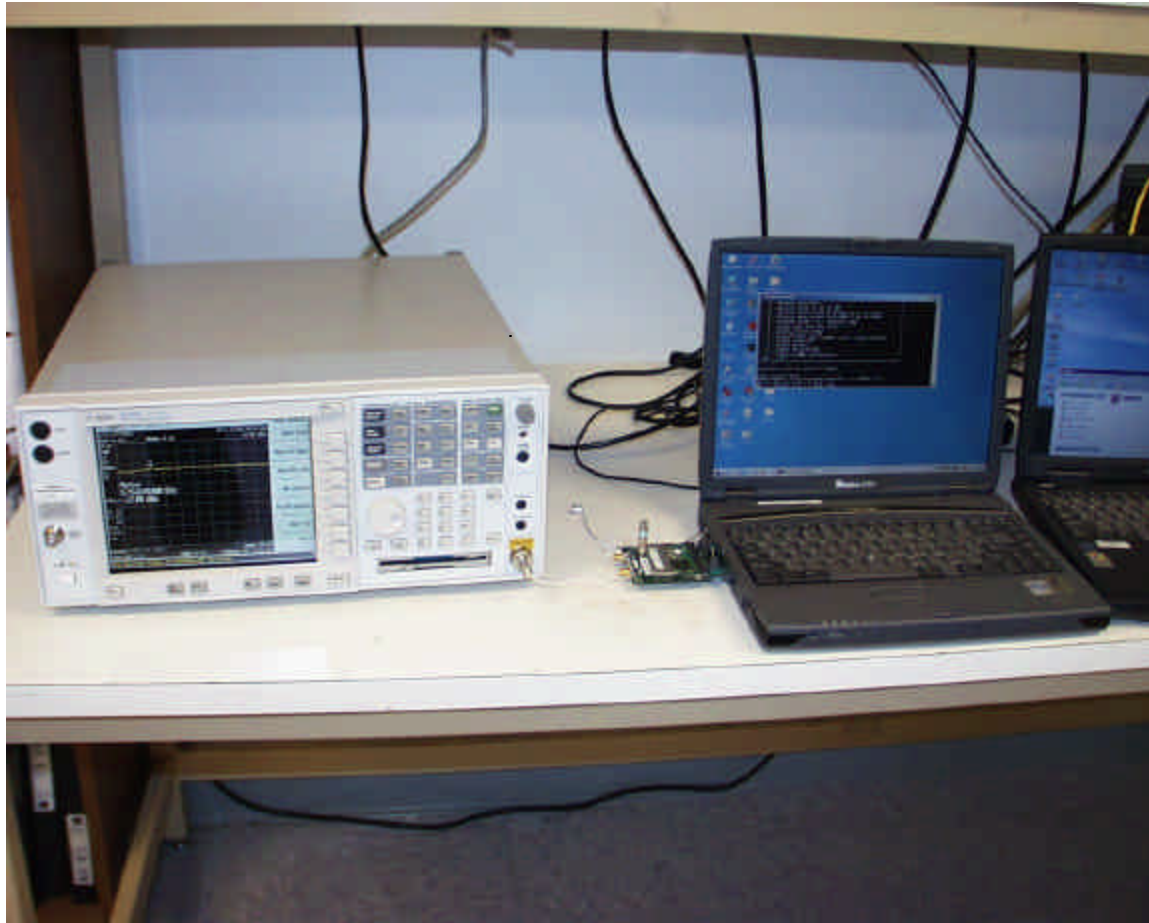


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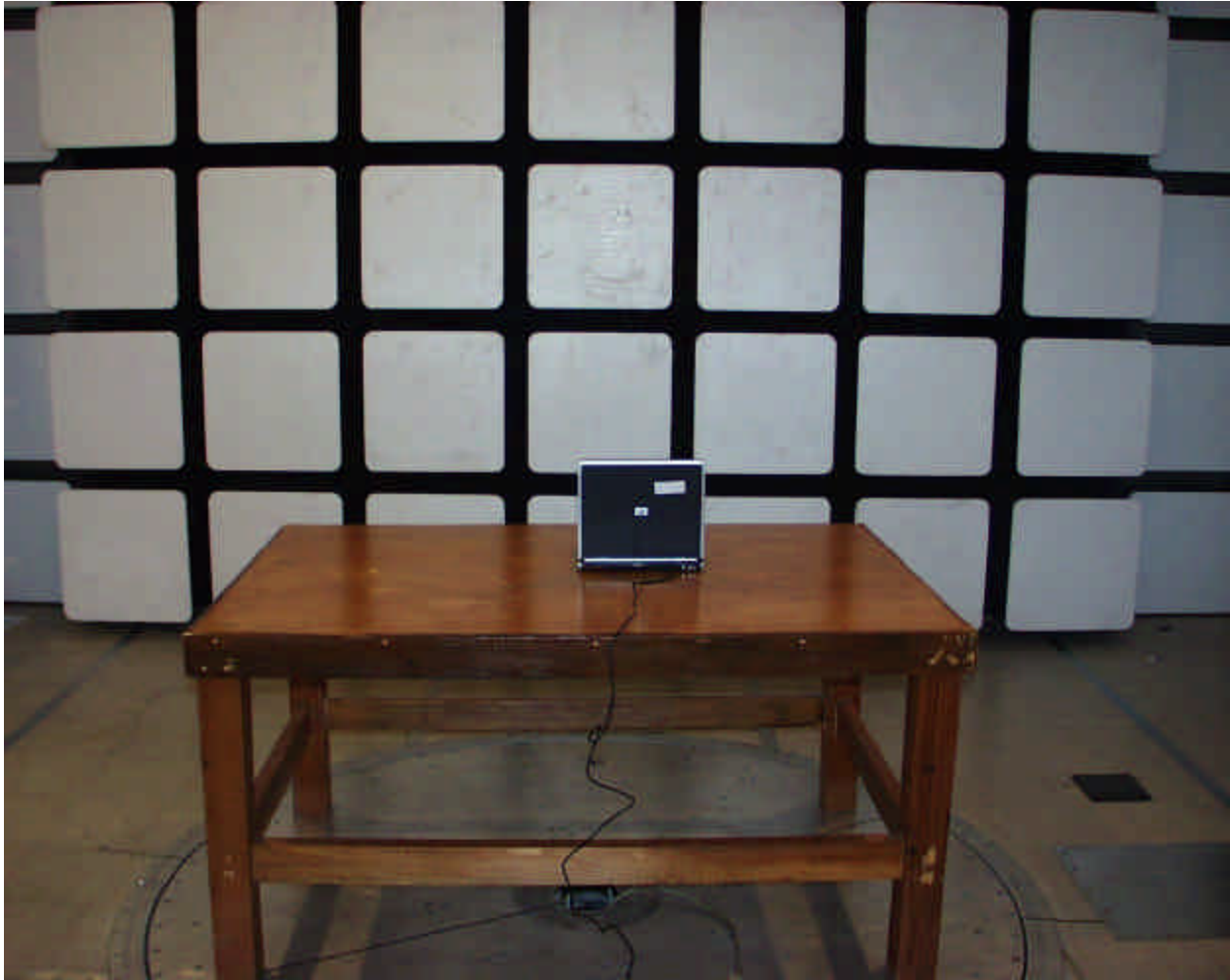
8.8. SETUP PHOTOS

ANTENNA PORT CONDUCTED RF MEASUREMENT SETUP



RADIATED RF MEASUREMENT SETUP





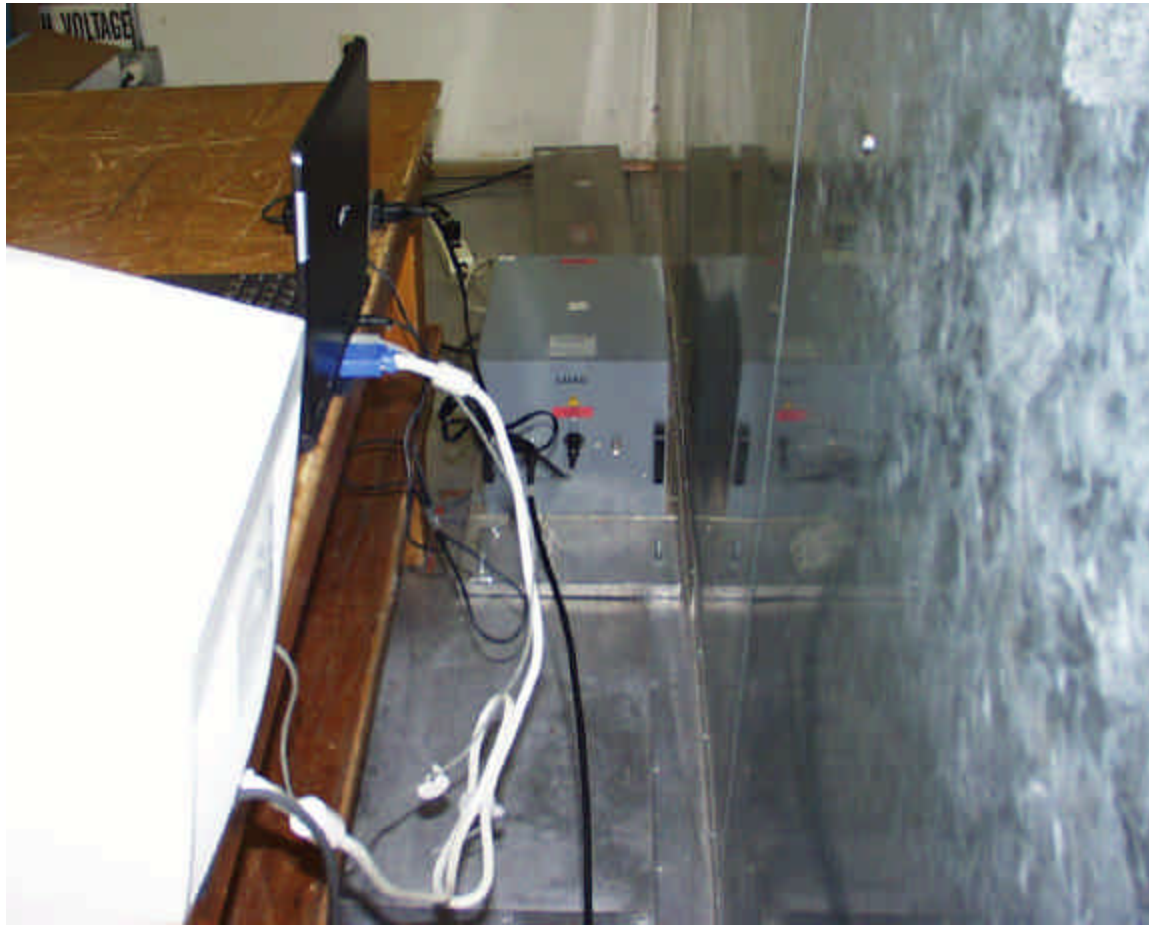
DIGITAL DEVICE RADIATED EMISSIONS MEASUREMENT SETUP





POWERLINE CONDUCTED EMISSIONS MEASUREMENT SETUP





END OF REPORT