

TEST NUMBER - 149-04

TEST REPORT TO

**INDUSTRY CANADA RSS 210 SECTION 6.2.2 (m2)
FEDERAL COMMUNICATIONS COMMISSION CFR47 PART15.249**

**Low Power License-Exempt Data Radio communication Devices
Intentional Radiators**

for

Virtual Ink
Brighton landing East
20 Guest Street- Suite 520
Boston, MA 02135
(617)987-0462

of

MimioXi Wireless USB

FCC ID: RWU-DMA0202

IC: 4952A-DMA0202

on

2/26/2004

Tested by

Andrew Mertinooke

Reviewed by

Clifton P. Brick

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TEST DESCRIPTION

1. TEST OBJECTIVE

To test the Mimio Xi Wireless USB to RSS 210 / Part 15 Subpart C Rules and write a report.

2. E.U.T. DESCRIPTION

GENERAL

The MimioXi Wireless USB adapter is the base portion of a portable and low cost device that attaches to any whiteboard (up to 4'x8' in size), connects to your PC/Mac and when used with a projector, allows you control your desktop applications and documents directly from the board. Without a projector, mimio enables you to digitally capture notes or drawings that can be saved, shared, and/or integrated into other materials.

SERIAL NUMBERS:

Production Prototype

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TEST RESULTS AND CONCLUSIONS

PRODUCT TESTED - MimioXi Wireless USB Adapter

MODEL NUMBER - DMA0202

RADIATED TEST RESULTS

The test results show that the emissions radiated from this equipment are in compliance with IC Rules RSS 210 / FCC Rules Part 15 Subpart C.

OCCUPIED BANDWIDTH & OUTPUT POWER

The test results show that the occupied bandwidth and output power of this equipment are in compliance with IC Rules RSS 210 / FCC Rules Part 15 Subpart C .

CONDUCTED TEST RESULTS

The test results show that the emissions conducted through the power line from this equipment are in compliance with IC Rules RSS 210 / FCC Rules Part 15 Subpart C.

ANALYSIS AND CONCLUSIONS

Based upon the radiated and conducted measurements we find that this equipment is within the limits of the IC Rules RSS 210 / FCC Rules Part 15 Subpart C. All results are based on a test of one sample, and represent other production units, only in as much as a sample represents other production units. If any significant changes are made to the unit, the changes shall be evaluated and a retest may be required.

NOTES (Special conditions unique to this test)

None

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TEST PROCEDURES

1. TEST EQUIPMENT

- A. HP 8546A (9 kHz - 6.5 GHz) EMI Receiver w/ RF Filter Section, S/N 3704A00323 / 3650A00360. Calibration Date 1-16-2004, calibrated annually.
- B. HP 8593E (9 kHz - 26.5 GHz) Spectrum Analyzer, S/N 3829A03887. Calibration Date 11-21-2004, calibrated annually.
- B. Com-Power Biconilog Antenna, Model AC220, S/N 25509. Calibration Date 3-11-2003, calibrated annually.
- C. Electro-Metrics Double Ridged Guide Antenna, Model EM-6961, S/N 6337. Calibration Date: 6-24-2003, calibrated annually.
- D. HP 1 - 26.5 GHz Preamplifier, Model 08449B, S/N 3008A01323. Calibration Date: 1-7-2004, calibrated annually.
- E. EMC0 LISN, Model EM 3825/2, S/N 9109-1860. Calibration Date: 3-9-2003, calibrated annually.
- F. Com-Power Double Ridged Wave guide Antenna, Model AH-840, S/N 3075. Calibration Date: 1-12-2004, calibrated annually.

2. FREQUENCY RANGE TO BE SCANNED.

- A. Radiated Test from 30 MHz to 40 GHz (or the 10th harmonic of the highest frequency whichever is lower).
- B. Conducted Test from 150 kHz to 30 MHz.

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3. TEST PROCEDURES.

Radiated test procedure:

The EUT, associated cables and peripheral devices are placed on the supporting table and any support equipment is placed off the site. The EUT is turned on and any necessary operating or test software installed and allowed to warm up. The EUT is pre-scanned in our ferrite tile lined chamber where it is rotated 360 degrees and examined in both horizontal and vertical polarization, all emission frequencies are identified and recorded. The EUT is then moved to the OATS and the frequency band from 30 MHz to 40 GHz is scanned, all frequencies identified in the chamber are investigated, as well as harmonic frequencies of the EUT. When an emission is found the emission is maximized by varying the bundle position of the connecting cables, the antenna height, the antenna polarization (vertical and horizontal) and the table orientation (360 degrees). The maximum reading is recorded and the next signal is searched for.

Conducted test procedure:

The power line of the EUT is connected to the LISN (Line Impedance Stabilization Network). A measurement of the emissions are made from the power line for both phase and neutral on the analyzer in the frequency range from 150 kHz to 30 MHz. The maximum readings are recorded for each phase.

All measurements are made according to the procedures defined in: "ANSI C63.4-1992 Standard Methods of Measurement of Radio Noise Emissions from Low-Voltage Electrical and Electronics Equipment in the Range of 9 kHz to 40 GHz, American National Standard for (ISBN 1-55937-215-5).

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RSS 210 TEST LIMITS

1. RSS 210 Section 6.2.2, Table 3 Radiation Limits (Quasi-Peak):
FCC Part 15.209, 15.235, 15.249 Radiation Limits (Quasi-Peak):

Frequency MHz	Distance meters	Limit dBμV/m	Limit μV/m
1.705 - 30	30	29.5*	30*
30 - 88	3	40.0	100
49.82 - 49.90	3	80.0*	10,000*
88 - 216	3	43.5	150
216 - 960	3	46.0	200
902 - 928	3	94.0*	50,000*
2400 - 2483.5	3	94.0*	50,000*
960 - 1000	3	54.0	500
1000 - 40000	3	54.0*	500*

*NOTE: Average Limits

2. RSS 210 Section 6.6a Conduction Limits (Quasi-Peak):
FCC Part 15.207 Conduction Limits (Quasi-Peak)
Combined Limits

Frequency MHz	Quasi-Peak Limit dBμV	Average Limit dBμV
0.150 - 0.500	66 to 56	56 to 46
0.500 - 5.0	56	46
5.0 - 30.0	60	50

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TEST FACILITY DESCRIPTION

Compliance Worldwide is located on 357 Main Street in Sandown, New Hampshire. The conducted and radiated test sites, located at C.W. are used for Federal Communications Commission (FCC) testing and Industry Canada Testing. A site description is on file with the FCC in Columbia, MD USA. Site information is also on file with Industry Canada, anyone wishing to review this Test Facility Description is referred to file number **IC 3023**. This is currently on file at Industry Canada, 1241 Clyde Avenue, Ottawa, ON K2C 1Y3.

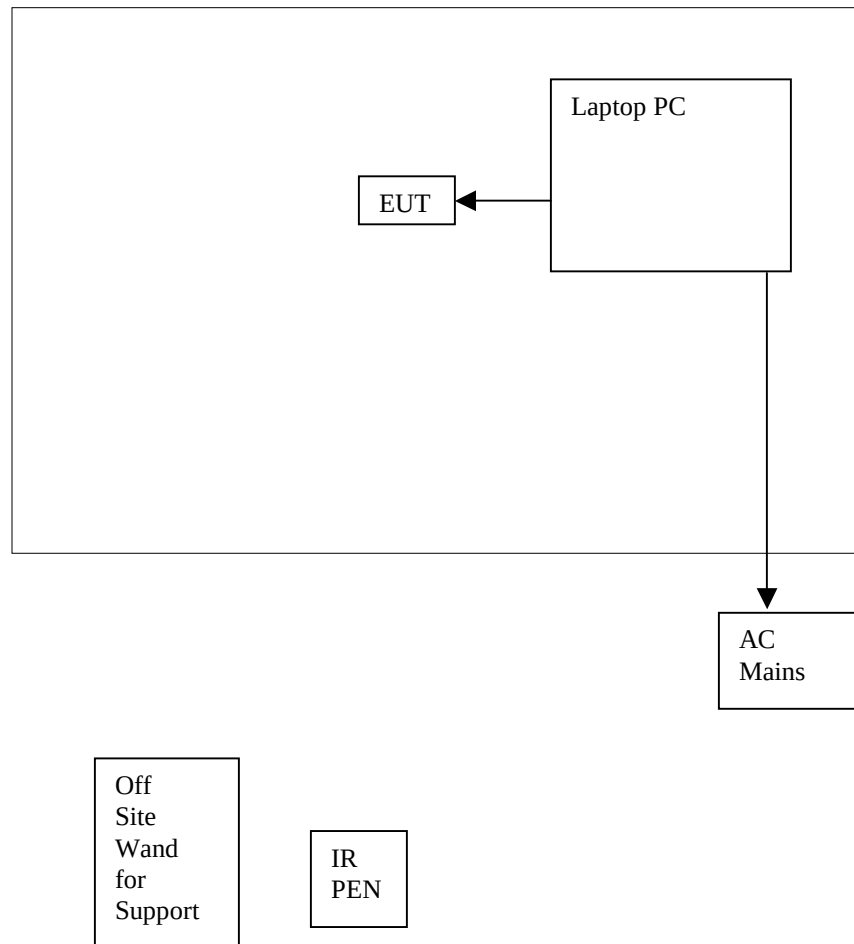
The radiated site is a 3/10 meter indoor site with an enclosure for the product and a basement for the personnel, support equipment and test equipment.

The conducted site is part of a 16' x 20' x 12' ferrite tile chamber and uses one of the walls for the vertical metal wall required by EN 55022.

Both sites are designed to test products or systems 1.5 meter x 1.0 meter, floor standing or table top.

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**TEST SET UP
AND
PERIPHERAL CONNECTION INFORMATION**



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PLEASE NOTE - EUT (equipment under test) is Mimio Xi DMA0202.

The cables directly connected to this equipment are listed below.

Connection Descriptions

1. USB Cable _____
(description)
EUT _____
(from device)
Support PC (IBM Type 2645-8PU ThinkPad S/N 78-YLVM9) _____
(to device)
CABLE LENGTH 30cm (S) SHIELDED or (U) UNSHIELDED S
2. Power Cable _____
(description)
Support PC _____
(from device)
Power Supply for PC _____
(to device)
CABLE LENGTH 2m (S) SHIELDED or (U) UNSHIELDED s
3. Power Cable _____
(description)
PC Power Supply _____
(from device)
AC Mains _____
(to device)
CABLE LENGTH 1m (S) SHIELDED or (U) UNSHIELDED U

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RADIATED TEST RESULTS

Frequency Range: 30 - 24835 MHz.
Measurement Distance: 3.0 Meters.
Bandwidth: 120 kHz, Per ANSI C63.4-1992.*
Detector Functions: Peak, Quasi Peak, Average
Video Filter: 300 kHz
Table Height: 0.8 meters
Antenna Height Variation: 1 - 4 Meters.
Horizontal and Vertical Polarization Measurements Taken.

*Measurement Bandwidth is 1 MHz above 1 GHz

PLEASE SEE NEXT PAGE FOR RADIATED TEST DATA

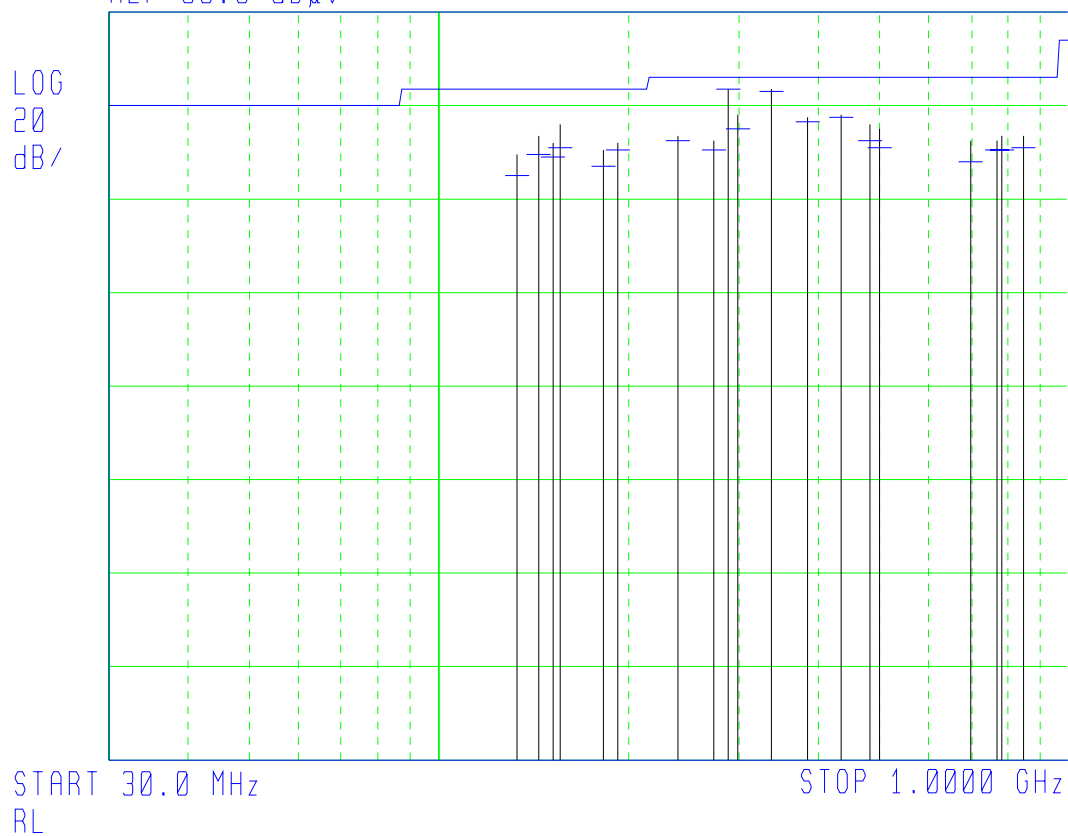
Emissions from 30MHz to 2GHz were examined with the Wand and USB unit both on the table and operating, see setup photos.

The reference to Channel in this section is 1,2,3 corresponding to lowest, middle and highest tune frequency.

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Radiated Horizontal Data Log Plot

17:03:46 FEB 26, 2004 RADIATED HORIZONTAL
150-04 VIRTUAL INK MIMIOXI WIRELESS
REF 60.0 dB μ V



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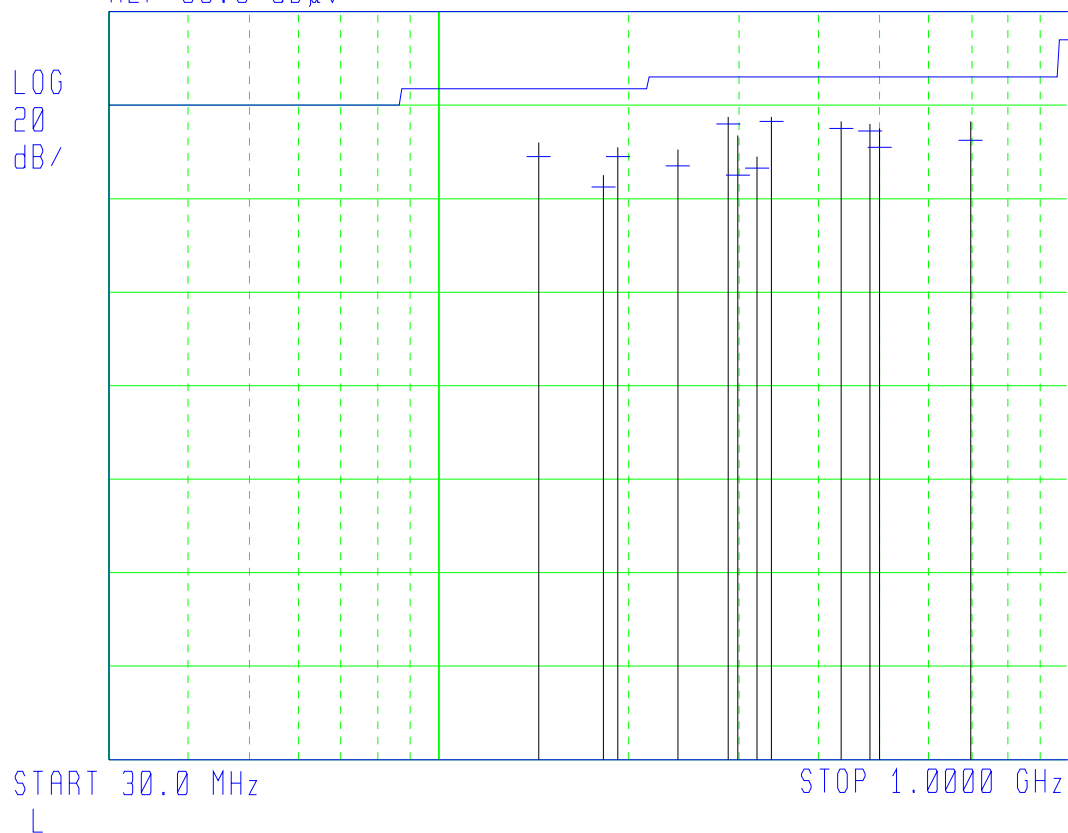
Radiated Horizontal Tabular Data

Freq (MHz)	Peak Amp (dBuV)	QP Amp (dBuV)	QP Limit (dBuV)	QP Margin (dB)
133.187750	30.20	25.56	43.50	-17.94
144.036031	33.66	29.84	43.50	-13.66
152.012263	32.22	29.48	43.50	-14.02
156.007888	36.08	31.74	43.50	-11.76
181.997319	30.52	27.33	43.50	-16.17
192.016831	32.64	30.49	43.50	-13.01
240.031763	33.83	33.26	46.00	-12.74
272.021550	33.33	30.91	46.00	-15.09
288.023138	43.69	43.67	46.00	-2.33
298.200681	38.47	35.58	46.00	-10.42
336.036700	43.68	43.05	46.00	-2.95
384.034488	37.75	36.75	46.00	-9.25
432.035581	38.29	37.48	46.00	-8.52
480.045963	36.17	33.08	46.00	-12.92
497.263931	35.64	31.88	46.00	-14.12
696.055019	33.34	28.00	46.00	-18.00
767.012663	33.22	30.78	46.00	-15.22
780.028531	33.92	31.05	46.00	-14.95
845.020577	34.07	31.44	46.00	-14.56

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Radiated Vertical Data Log Plot

18:08:26 FEB 26, 2004 RADIATED VERTICAL
150-04 VIRTUAL INK MIMIOXI WIRELESS
REF 60.0 dB μ V



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Radiated Vertical Tabular Data

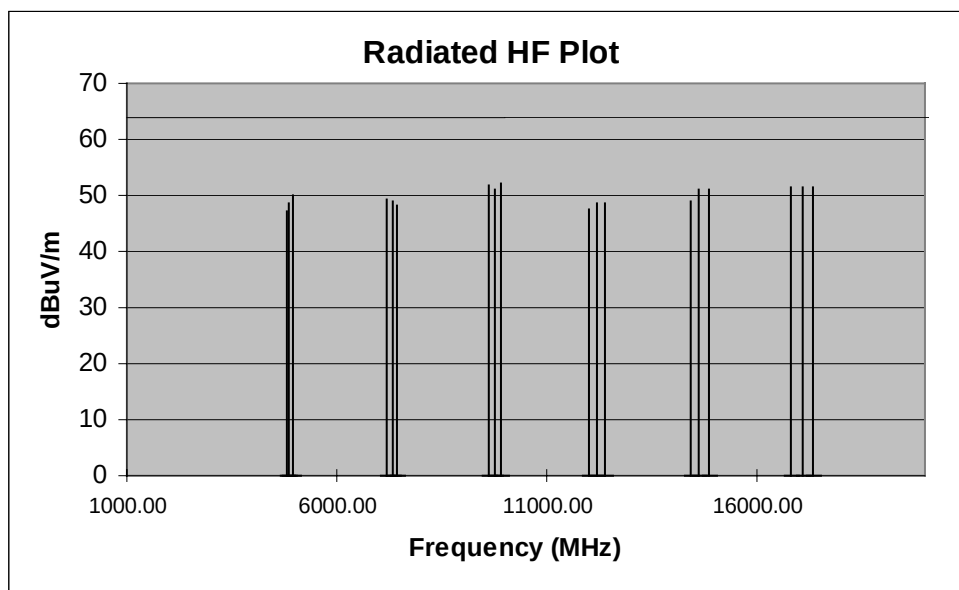
Freq (MHz)	Peak Amp (dBuV)	QP Amp (dBuV)	QP Limit (dBuV)	QP Margin (dB)
144.036031	32.04	28.96	43.50	-14.54
181.997319	25.64	23.01	43.50	-20.49
192.016831	31.54	28.91	43.50	-14.59
240.031763	30.60	27.43	46.00	-18.57
288.004838	37.52	36.24	46.00	-9.76
298.200681	34.08	25.38	46.00	-20.62
320.026506	29.09	26.43	46.00	-19.57
336.036700	38.03	36.60	46.00	-9.40
432.035581	37.06	35.28	46.00	-10.72
480.039238	36.50	34.67	46.00	-11.33
497.263931	35.44	31.62	46.00	-14.38
696.055019	37.06	33.35	46.00	-12.65

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Spurious Emissions

channel	Frequency (MHz)	Polarization (H/V)	Peak (dBuV/m)	Limit (dBuV/m)	Margin (dB)
lowest	4804.00	H	47.1	64.0	-16.9
lowest	7206.00	H	49.2	64.0	-14.8
lowest	9608.00	H	51.8	64.0	-12.2
lowest	12010.00	H	47.4	64.0	-16.6
lowest	14412.00	H	48.9	64.0	-15.1
lowest	16814.00	H	51.3	64.0	-12.7
Mid	4880.00	H	48.6	64.0	-15.4
Mid	7320.00	H	49.0	64.0	-15.0
Mid	9760.00	H	51.1	64.0	-12.9
Mid	12200.00	H	48.5	64.0	-15.5
Mid	14640.00	H	51.1	64.0	-12.9
Mid	17080.00	H	51.5	64.0	-12.5
upper	4958.00	H	50.0	64.0	-14.0
upper	7437.00	H	48.3	64.0	-15.7
upper	9916.00	H	52.3	64.0	-11.7
upper	12395.00	H	48.6	64.0	-15.4
upper	14874.00	H	51.0	64.0	-13.0
upper	17353.00	H	51.5	64.0	-12.5

Measurements were made using peak detector at a distance of 1 meter. No additional signals found within 15 dB of the limit up to the 10th harmonic.



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RADIATED OUTPUT POWER & OCCUPIED BANDWIDTH TEST RESULTS

Frequency Range: 2400-2483.5 MHz.

Measurement Distance: 3.0 Meters.

Bandwidth: As Noted, Per ANSI C63.4-1992.

Detector Functions: Peak, Quasi Peak, Average.

Table Height: 0.8 meters

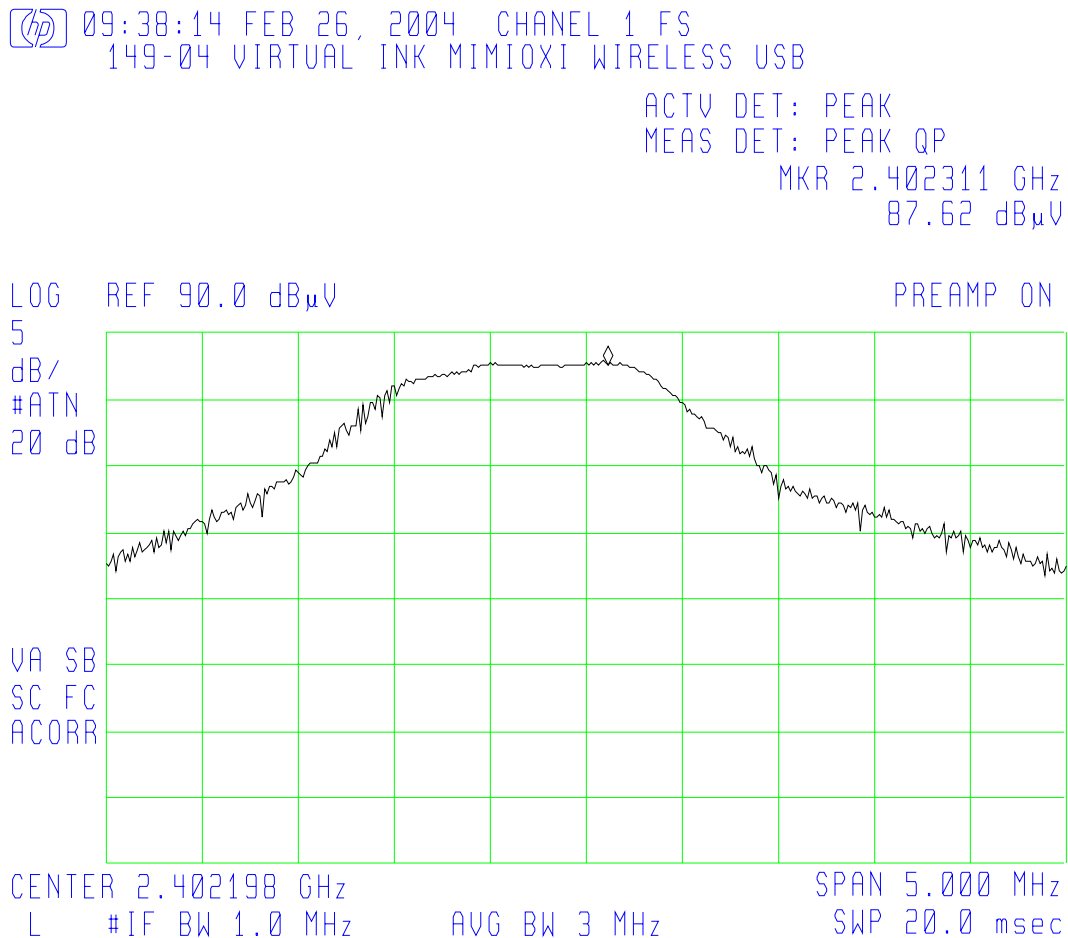
Antenna Height Variation: 1 - 4 Meters.

Horizontal and Vertical Polarization Measurements Taken, Worst Case Reported.

PLEASE SEE NEXT PAGE(S) FOR OCCUPIED BANDWIDTH RADIATED TEST DATA

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Channel 1 Output Power Plot



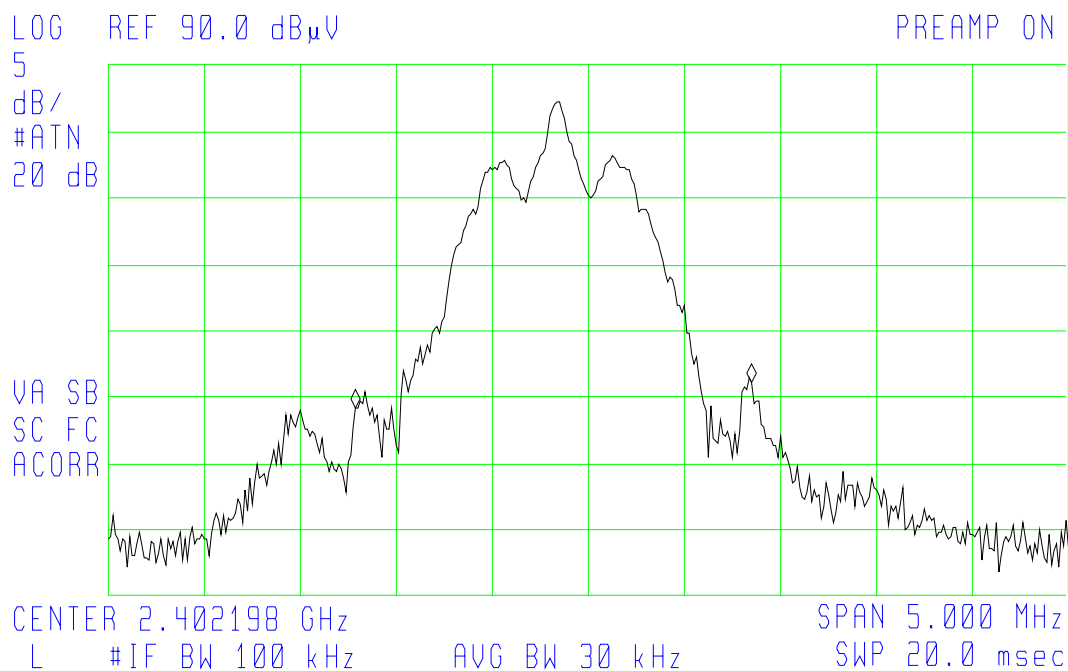
Freq (MHz)	Polarization (H/V)	Peak Amp (dBuV/m)	Avg Amp (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)
2402.000	V	87.62		94.0	-6.38

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Channel 1 99% Power Bandwidth Plot

10:00:17 FEB 26, 2004 CHANEL 1 BW 99%PWR
149-04 VIRTUAL INK MIMIOXI WIRELESS USB

ACTV DET: PEAK
MEAS DET: PEAK QP
MKR Δ 2.063 MHz
1.96 dB



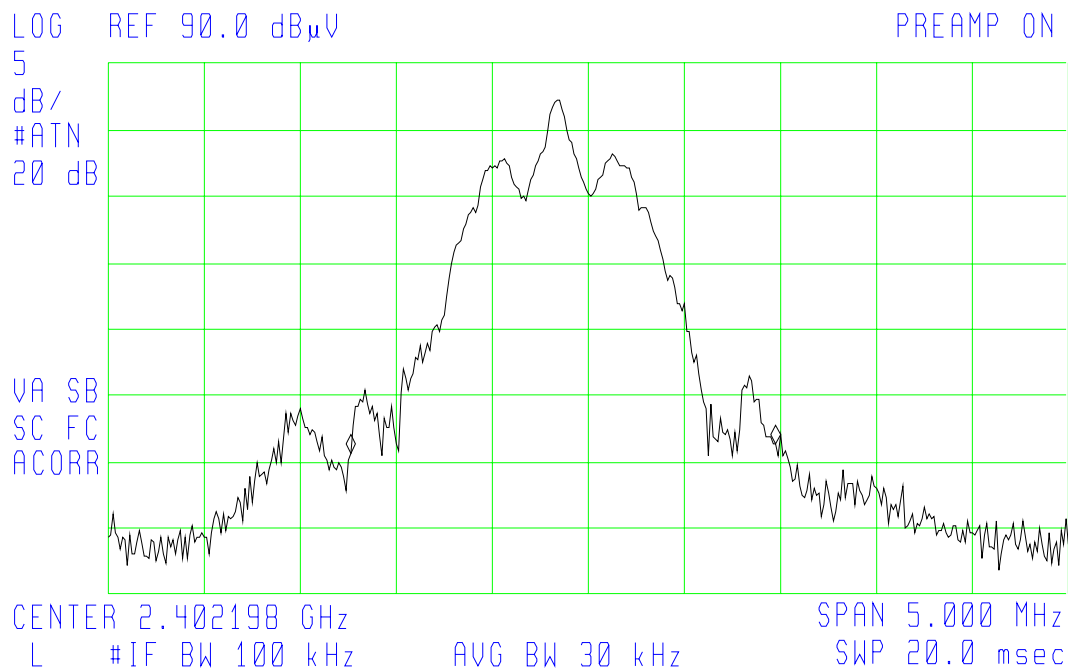
The 99% power Bandwidth was found to be 2.063 MHz on channel 1.

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Channel 1 26dB Occupied Bandwidth Plot

10:03:43 FEB 26, 2004 CHANEL 1 BW
149-04 VIRTUAL INK MIMIOXI WIRELESS USB

ACTV DET: PEAK
MEAS DET: PEAK QP
MKR Δ 2.213 MHz
.68 dB



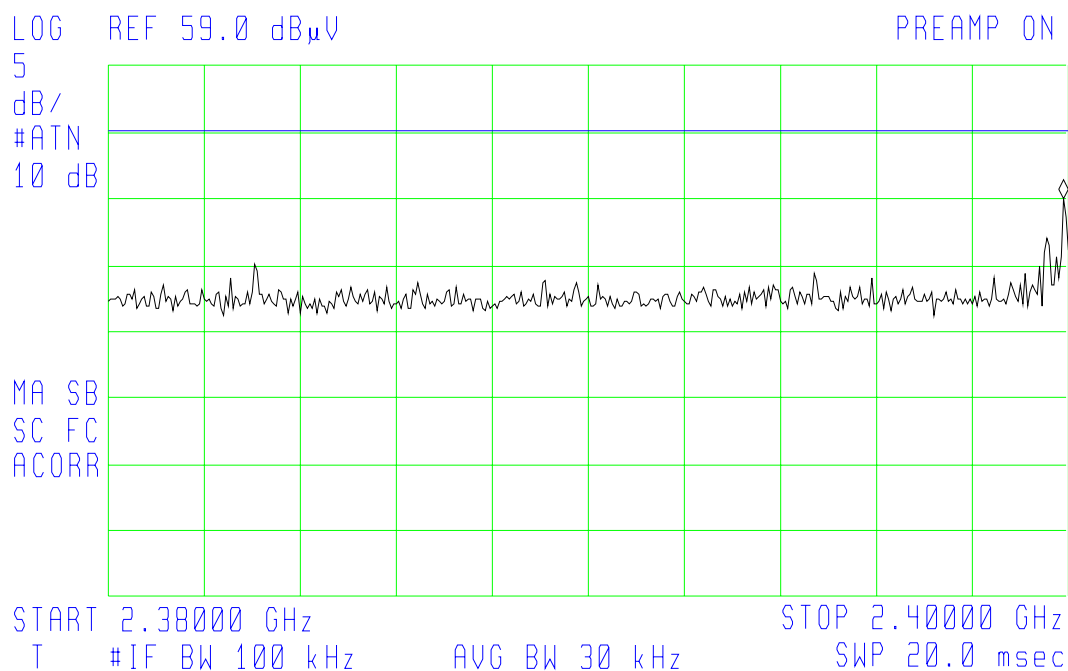
The occupied bandwidth at 26dB down from the peak was found to be 2.213 MHz on channel 1.

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Channel 1 Lower Band Edge Plot

11:07:37 FEB 26, 2004 CHANEL 1 BAND EDGE
149-04 VIRTUAL INK MIMIOXI WIRELESS USB

ACTV DET: PEAK
MEAS DET: PEAK QP
MKR 2.39990 GHz
48.96 dB μ V



Plot shows lower band edge and 20 MHz below it, with the EUT tuned to it's lowest frequency.

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Channel 2 Output Power Plot

10:20:37 FEB 26, 2004 CHANEL 2 FS
149-04 VIRTUAL INK MIMIOXI WIRELESS USB

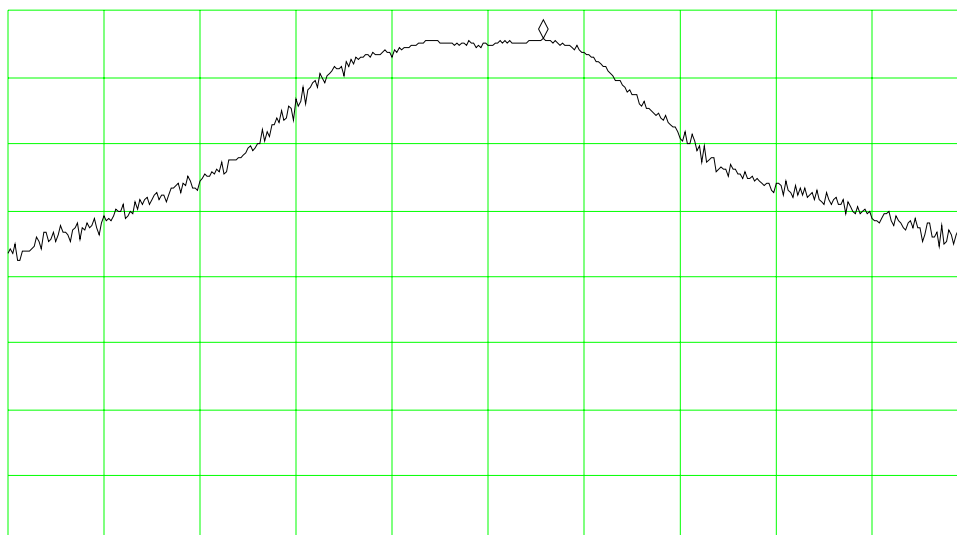
ACTV DET: PEAK
MEAS DET: PEAK QP
MKR 2.440288 GHz
87.89 dB μ V

LOG REF 90.0 dB μ V

PREAMP ON

5
dB/
#ATN
20 dB

VA SB
SC FC
ACORR



CENTER 2.440000 GHz

SPAN 5.000 MHz

L #IF BW 1.0 MHz

AVG BW 3 MHz

SWP 20.0 msec

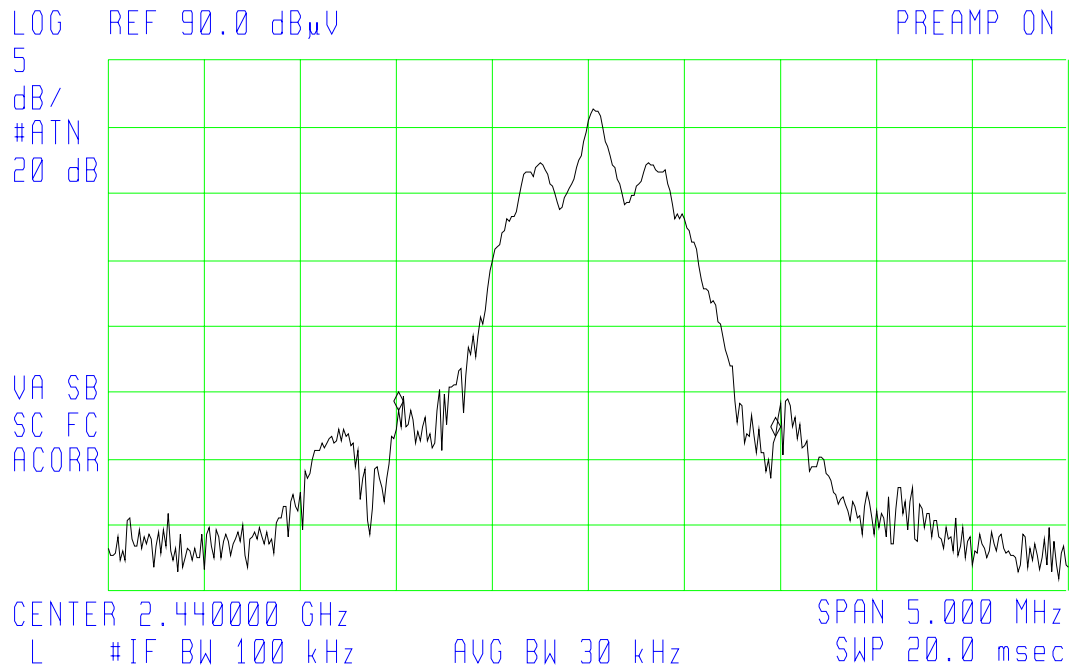
Freq (MHz)	Polarization (H/V)	Peak Amp (dBuV/m)	Avg Amp (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)
2440.000	V	87.89		94.0	-6.11

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Channel 2 99% Power Occupied Bandwidth Plot

10:24:57 FEB 26, 2004 CHANEL 2 BW 99%PWR
149-04 VIRTUAL INK MIMIOXI WIRELESS USB

ACTV DET: PEAK
MEAS DET: PEAK QP
MKR Δ 1.963 MHz
-1.88 dB

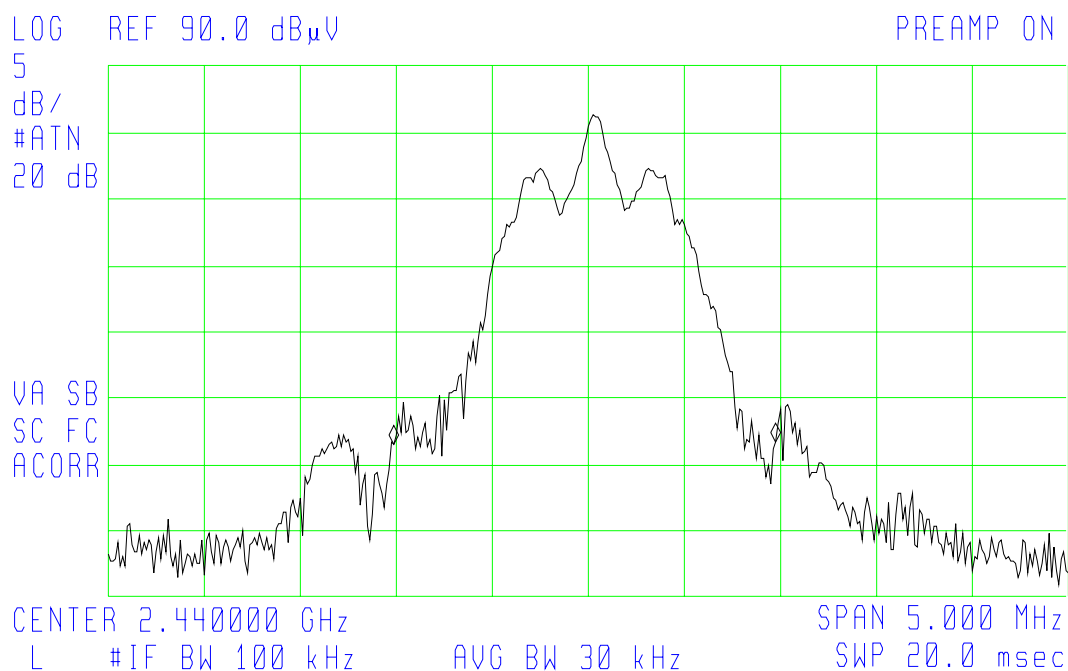


The 99% power Bandwidth was found to be 1.963 MHz on channel 2.

Channel 2 26 dB Occupied Bandwidth Plot

10:27:03 FEB 26, 2004 CHANEL 2 BW
149-04 VIRTUAL INK MIMIOXI WIRELESS USB

ACTV DET: PEAK
MEAS DET: PEAK QP
MKR Δ 1.988 MHz
.22 dB



The occupied bandwidth at 26dB down from the peak was found to be 1.988 MHz on channel 2.

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Channel 3 C Output Power Plot

10:43:51 FEB 26, 2004 CHANEL 3FS
149-04 VIRTUAL INK MIMIOXI WIRELESS USB

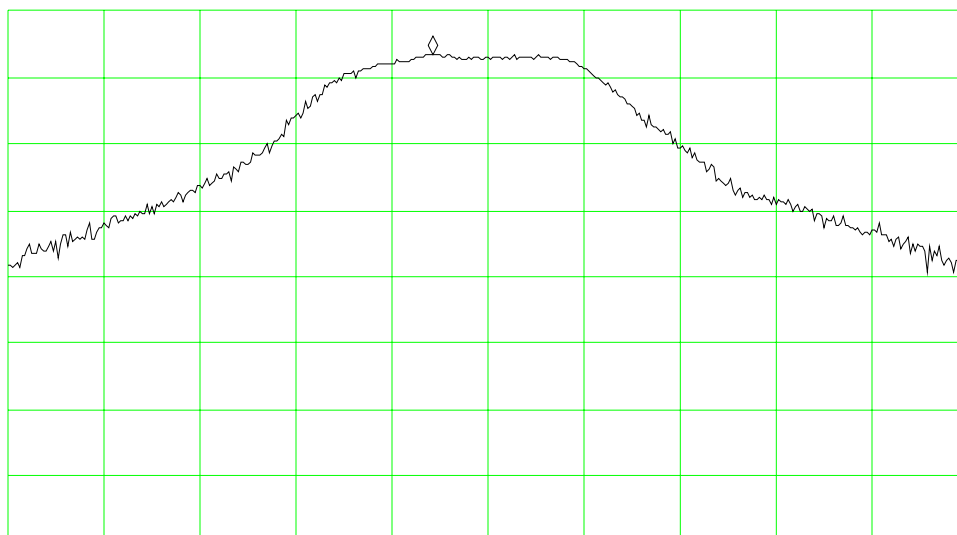
ACTV DET: PEAK
MEAS DET: PEAK QP
MKR 2.478713 GHz
86.63 dB μ V

LOG REF 90.0 dB μ V

PREAMP ON

5
dB/
#ATN
20 dB

VA SB
SC FC
ACORR



CENTER 2.479000 GHz

SPAN 5.000 MHz

L #IF BW 1.0 MHz

AVG BW 3 MHz

SWP 20.0 msec

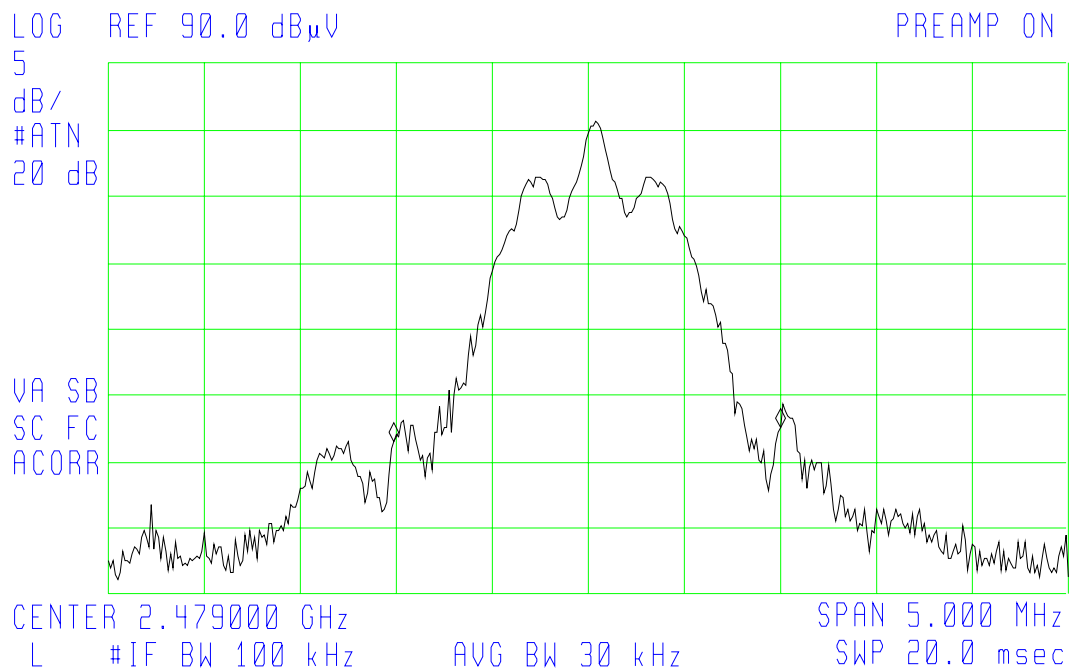
Freq (MHz)	Polarization (H/V)	Peak Amp (dBuV/m)	Avg Amp (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)
2479.000	V	86.63		94.0	-7.37

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Channel 3 99% Power Occupied Bandwidth Plot

10:49:08 FEB 26, 2004 CHANEL 3 BW 99%PWR
149-04 VIRTUAL INK MIMIOXI WIRELESS USB

ACTV DET: PEAK
MEAS DET: PEAK QP
MKR Δ 2.013 MHz
1.18 dB



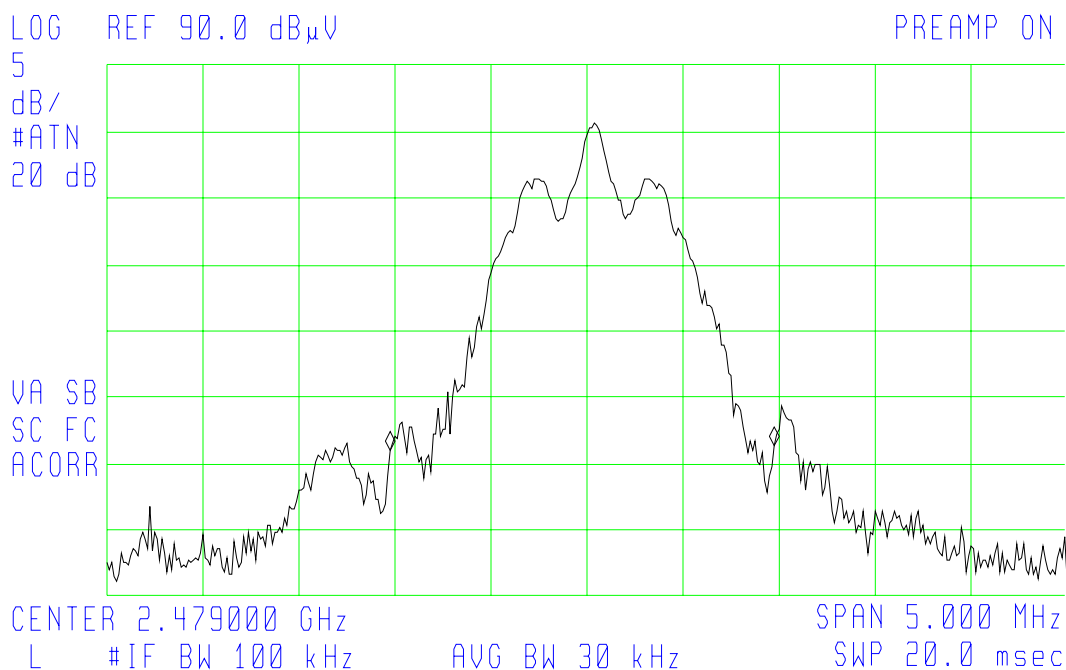
The 99% power Bandwidth was found to be 2.013 MHz on channel 3.

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Channel 3 26dB Occupied Bandwidth Plot

10:51:01 FEB 26, 2004 CHANEL 3 BW
149-04 VIRTUAL INK MIMIOXI WIRELESS USB

ACTV DET: PEAK
MEAS DET: PEAK QP
MKR Δ 2.000 MHz
.48 dB

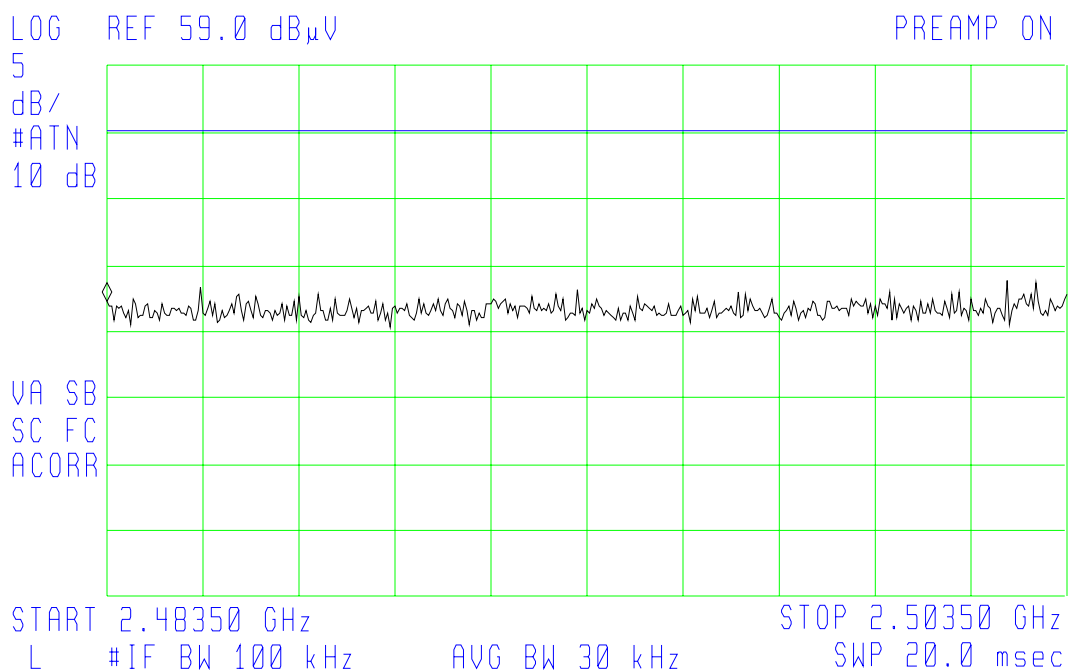


The occupied bandwidth at 26dB down from the peak was found to be 2.000 MHz on channel 3.

Channel 3 Upper Band Edge Plot

11:01:35 FEB 26, 2004 CHANEL 3 BAND EDGE
149-04 VIRTUAL INK MIMIOXI WIRELESS USB

ACTV DET: PEAK
MEAS DET: PEAK QP
MKR 2.48350 GHz
41.23 dB μ V



Plot shows upper band edge and 20 MHz above it, with the EUT tuned to it's highest frequency.

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CONDUCTED TEST RESULTS

Frequency Range:	150 kHz to 30.0 MHz.
Bandwidth:	9 kHz per ANSI C63.4-1992.
Detector Functions:	Peak, Quasi-Peak, Average
Table Height:	0.8 meters
Video Bandwidth:	30 kHz.

Phase and Neutral Measurements Taken.

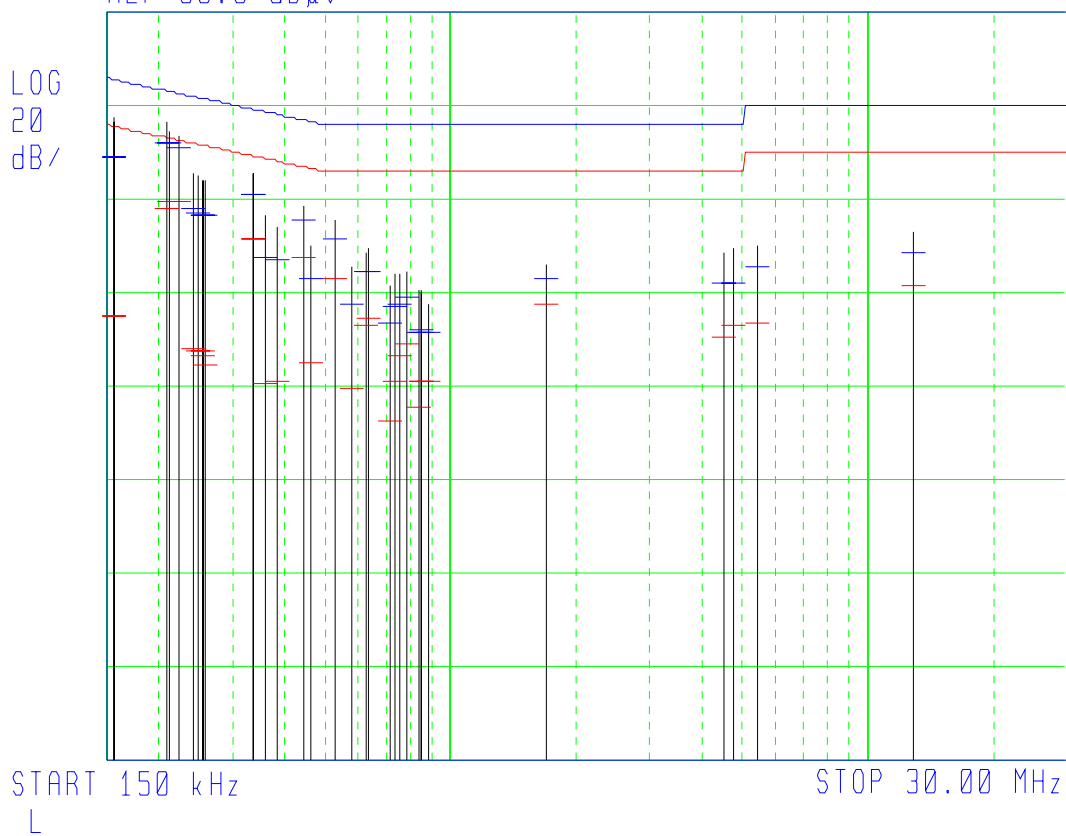
Low, mid and Upper Tx frequency examined, all found to be similar, mid channel reported.

PLEASE SEE NEXT PAGE FOR CONDUCTED TEST DATA

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Conducted 120V 60Hz Neutral Data Log Plot

11:35:14 FEB 24, 2004 120VAC 60 HZ CON NEUTRAL CH2
149-04 VIRTUAL INK MIMIOXI WIRELESS USB
REF 80.0 dB μ V



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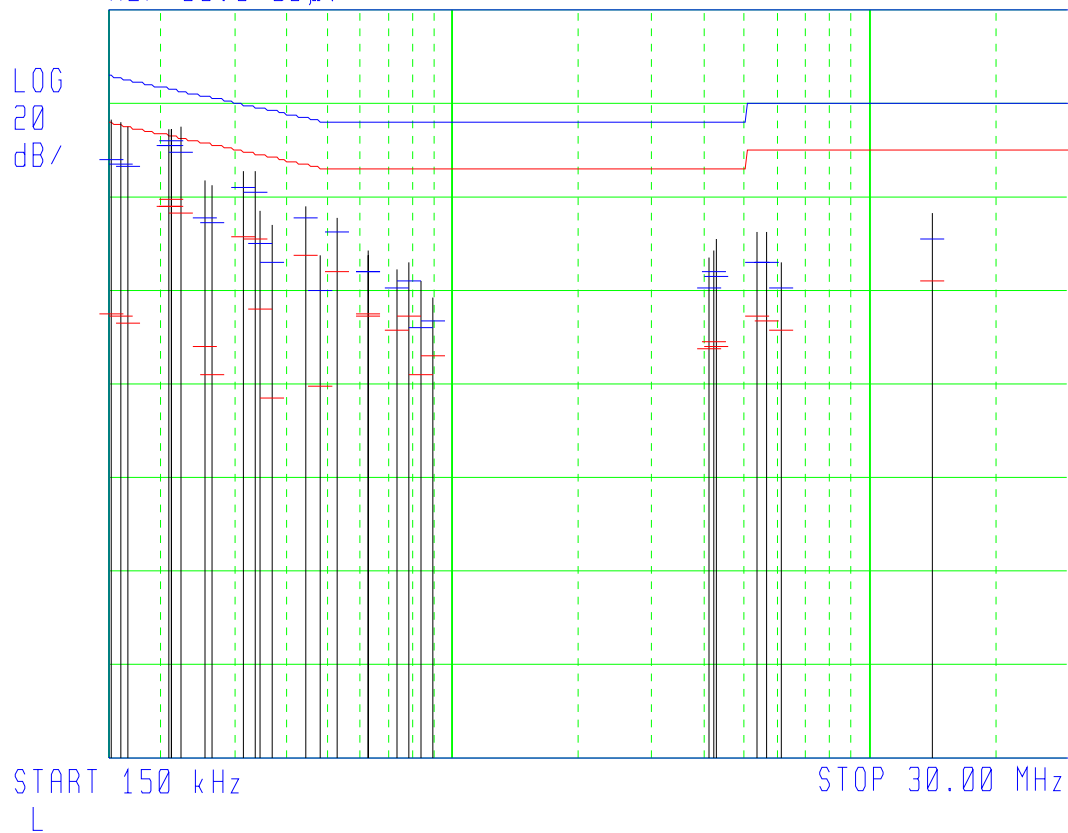
Conducted 120V 60Hz Neutral Tabular Data

Freq (MHz)	Peak Amp (dBuV)	QP Amp (dBuV)	Avg Amp (dBuV)	QP Limit (dBuV)	Avg Limit (dBuV)	QP Margin (dB)	Avg Margin (dB)
0.155450	56.81	48.88	15.68	65.73	55.73	-16.85	-40.05
0.212381	55.88	52.25	39.20	63.18	53.18	-10.93	-13.98
0.213410	56.60	52.27	39.49	63.14	53.14	-10.87	-13.65
0.214799	53.57	51.58	39.58	63.08	53.08	-11.50	-13.50
0.215366	54.97	51.13	39.44	63.06	53.06	-11.93	-13.62
0.216411	54.34	50.36	39.00	63.02	53.02	-12.66	-14.02
0.268741	43.09	35.40	2.99	61.22	51.22	-25.82	-48.23
0.271513	42.57	35.02	2.96	61.14	51.14	-26.12	-48.18
0.335484	45.40	41.38	32.16	59.37	49.37	-17.99	-17.21
0.351441	38.04	29.87	10.94	58.99	48.99	-29.12	-38.05
0.424655	40.00	37.04	28.93	57.41	47.41	-20.37	-18.48
0.447094	38.11	35.69	27.21	56.99	46.99	-21.30	-19.78
0.448816	39.61	35.82	26.84	56.96	46.96	-21.14	-20.12
0.472746	29.63	22.35	-2.47	56.51	46.51	-34.16	-48.98
0.525886	34.62	31.56	22.58	56.00	46.00	-24.44	-23.42
0.527745	34.85	32.17	23.59	56.00	46.00	-23.83	-22.41
0.589780	25.38	17.91	-4.95	56.00	46.00	-38.09	-50.95
0.635156	29.02	25.28	16.40	56.00	46.00	-30.72	-29.60
0.653595	28.62	22.36	16.94	56.00	46.00	-33.64	-29.06
0.668676	27.87	23.14	16.52	56.00	46.00	-32.86	-29.48
0.734594	26.13	19.02	5.88	56.00	46.00	-36.98	-40.12
0.737123	24.66	20.00	6.93	56.00	46.00	-36.00	-39.07
0.785845	25.79	21.58	11.09	56.00	46.00	-34.42	-34.91
0.787923	26.33	21.19	10.28	56.00	46.00	-34.81	-35.72
0.835810	19.45	11.83	-1.19	56.00	46.00	-44.17	-47.19
0.841550	18.82	13.05	2.43	56.00	46.00	-42.95	-43.57
0.893535	20.67	12.26	4.89	56.00	46.00	-43.74	-41.11
0.948280	24.84	20.72	13.39	56.00	46.00	-35.28	-32.61
1.802173	26.21	23.38	17.83	56.00	46.00	-32.62	-28.17
4.190625	29.79	23.27	11.27	56.00	46.00	-32.73	-34.73
4.404468	28.86	22.91	12.61	56.00	46.00	-33.09	-33.39
5.232298	32.26	25.42	14.42	60.00	50.00	-34.58	-35.58
13.968496	35.33	28.64	20.67	60.00	50.00	-31.36	-29.33

TEST NUMBER - 149-04

Conducted 120V 60Hz Phase Data Log Plot

11:55:29 FEB 24, 2004 VAC 60 HZ CON PHASE CH2
149-04 VIRTUAL INK MIMIOXI WIRELESS USB
REF 80.0 dB μ V



TEST NUMBER - 149-04

Conducted 120V 60Hz Phase Tabular Data

Freq (MHz)	Peak Amp (dBuV)	QP Amp (dBuV)	Avg Amp (dBuV)	QP Limit (dBuV)	Avg Limit (dBuV)	QP Margin (dB)	Avg Margin (dB)
0.153914	56.98	48.64	15.67	65.81	55.81	-17.17	-40.14
0.160713	55.93	47.80	14.51	65.48	55.48	-17.68	-40.97
0.167081	55.32	46.76	13.34	65.17	55.17	-18.41	-41.83
0.211150	55.00	51.43	38.10	63.23	53.23	-11.80	-15.13
0.211771	54.42	51.73	38.43	63.20	53.20	-11.47	-14.77
0.213001	54.95	52.11	39.44	63.15	53.15	-11.04	-13.71
0.225028	55.53	49.77	37.04	62.69	52.69	-12.92	-15.65
0.254933	43.84	36.08	8.24	61.64	51.64	-25.56	-43.40
0.267801	42.76	34.86	2.48	61.25	51.25	-26.39	-48.77
0.318009	46.11	42.44	31.81	59.79	49.79	-17.35	-17.98
0.336613	45.69	41.35	31.60	59.34	49.34	-17.99	-17.74
0.348290	37.70	30.17	16.37	59.06	49.06	-28.89	-32.69
0.370671	34.27	26.78	-2.02	58.53	48.53	-31.75	-50.55
0.447240	38.49	35.94	27.75	56.99	46.99	-21.05	-19.24
0.480610	27.77	20.36	-0.08	56.36	46.36	-36.00	-46.44
0.526940	36.04	32.76	24.24	56.00	46.00	-23.24	-21.76
0.631776	28.39	24.17	15.03	56.00	46.00	-31.83	-30.97
0.632709	28.55	24.31	15.45	56.00	46.00	-31.69	-30.55
0.736868	25.02	20.79	11.41	56.00	46.00	-35.21	-34.59
0.786215	26.43	22.71	14.86	56.00	46.00	-33.29	-31.14
0.843795	22.83	12.73	2.65	56.00	46.00	-43.27	-43.35
0.899108	18.51	14.02	6.22	56.00	46.00	-41.98	-39.78
4.084221	27.30	20.94	7.73	56.00	46.00	-35.06	-38.27
4.190994	29.06	24.16	9.17	56.00	46.00	-31.84	-36.83
4.282264	30.96	23.36	8.70	56.00	46.00	-32.64	-37.30
5.338003	32.74	26.70	15.14	60.00	50.00	-33.30	-34.86
5.653420	32.48	26.24	13.95	60.00	50.00	-33.76	-36.05
6.107660	26.30	21.24	11.62	60.00	50.00	-38.76	-38.38
14.068986	36.39	31.50	22.59	60.00	50.00	-28.50	-27.41

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NOTES AND COMMENTS

(Special conditions unique to this test)

None