

*FCC PART 15, SUBPART C
TEST REPORT*

for

VIDEO GATEWAY

Model: iG3

Prepared for

XANBOO, INC.
115 WEST 30TH STREET – 6 FLOOR
NEW YORK CITY, NEW YORK 10001

Prepared by:_____

CARLOS SANDOVAL

Approved by:_____

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LAKE FOREST (SILVERADO), CALIFORNIA 92676
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DATE: MAY 15, 2003

	REPORT BODY	APPENDICES					TOTAL
		A	B	C	D	E	
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GENERAL REPORT SUMMARY

This electromagnetic emission test report is generated by Compatible Electronics Inc., which is an independent testing and consulting firm. The test report is based on testing performed by Compatible Electronics personnel according to the measurement procedures described in the test specifications given below and in the "Test Procedures" section of this report.

The measurement data and conclusions appearing herein relate only to the sample tested and this report may not be reproduced without the written permission of Compatible Electronics, unless done so in full.

This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government.

Device Tested: Video Gateway
Model: iG3
S/N: Prototype

Product Description: The iG3 is a Home Security, Control, and Monitoring System. It has provisions for three hardwired cameras and one wireless camera. The three-hardwired camera ports accept a standard camera. From the four Audio/Video sources, one is selected through the software. The audio and video signal is then over Ethernet for remote viewing. The Video Gateway also can remotely control other devices such as cameras, door locks, etc.

Modifications: The EUT was not modified during the testing.

Customer: Xanboo, Inc.
115 West 30th Street – 6 Floor
New York City, New York 10001

Test Date: December 2, 3, and 4, 2002

Test Specifications: EMI requirements
CFR Title 47, Part 15, Subpart B and
CFR Title 47, Part 15 Subpart C, Sections 15.205, 15.207, 15.209, and 15.231

Test Procedure: ANSI C63.4: 1992

Test Deviations: The test procedure was not deviated from during the testing.

SUMMARY OF TEST RESULTS

TEST	DESCRIPTION	RESULTS
1	Conducted RF Emissions, 150 kHz - 30 MHz	Complies with the Class B limits of CFR Title 47, Part 15, Subpart B.
2	Radiated RF Emissions, 10 kHz - 4300 MHz	Complies with the limits of CFR Title 47, Part 15, Subpart C, sections 15.205, 15.209, and 15.231.

1. PURPOSE

This document is a qualification test report based on the Electromagnetic Interference (EMI) tests performed on the Video Gateway, Model: iG3. The EMI measurements were performed according to the measurement procedure described in ANSI C63.4: 1992. The tests were performed in order to determine whether the electromagnetic emissions from the equipment under test, referred to as EUT hereafter, are within the specification limits defined by CFR Title 47, Part 15, Subpart B and CFR Title 47, Part 15, Subpart C, sections 15.205, 15.207, 15.209, and 15.231.



2. ADMINISTRATIVE DATA**2.1 Location of Testing**

The EMI tests described herein were performed at the test facility of Compatible Electronics, 19121 El Toro Road, Lake Forest (Silverado), California, 92676.

2.2 Traceability Statement

The calibration certificates of all test equipment used during the test are on file at the location of the test. The calibration is traceable to the National Institute of Standards and Technology (NIST).

2.3 Cognizant Personnel

Dpac Technologies

Paul Shklanko Sr. Electronics Engineer

Xanboo, Inc.

Bill Diamond President

Compatible Electronics, Inc.

Carlos Sandoval Test Technician

Kyle Fujimoto Test Engineer

Brian Voegelé Lab Manager – Lake Forest (Silverado) Division

2.4 Date Test Sample was Received

The test sample was received on December 3, 2002.

2.5 Disposition of the Test Sample

The test sample has not been returned to Dpac Technologies as of the date of this report.

2.6 Abbreviations and Acronyms

The following abbreviations and acronyms may be used in this document.

RF	Radio Frequency
EMI	Electromagnetic Interference
EUT	Equipment Under Test
P/N	Part Number
S/N	Serial Number
HP	Hewlett Packard
ITE	Information Technology Equipment
CML	Corrected Meter Limit
LISN	Line Impedance Stabilization Network



3. APPLICABLE DOCUMENTS

The following documents are referenced or used in the preparation of this EMI Test Report.

SPEC	TITLE
CFR Title 47, Subpart C	FCC Rules – Radio frequency devices – Intentional Radiators
ANSI C63.4 1992	Methods of measurement of radio-noise emissions from low-voltage electrical and electronic equipment in the range of 9 kHz to 40 GHz.



4. DESCRIPTION OF TEST CONFIGURATION**4.1 Description of Test Configuration - EMI**

The Video Gateway Model: iG3 (EUT) was tested in a system configuration. The EUT was connected to three video cameras, a termination breakout box, a laptop computer, The EUT was transmitting on a continuous basis. The antenna connector was soldered onto the EUT's PCB. The EUT was tested in three orthogonal axis.

The final radiated data was taken in the mode above. Please see Appendix D for the data sheets.



4.1.1 Cable Construction and Termination

Cable 1

This is a 1.55-meter braid and foil shielded cable connecting the EUT to an external modem. The cable has a DB-9 connector at the EUT end and a DB-25 connector at the modem end. The shield of the cable was grounded via the connectors. The cable was bundled to the length of 1-meter.

Cable 2

This is a 1.55-meter braid and foil shielded cable connecting the EUT to an external modem. The cable has a DB-9 connector at the EUT end and a DB-25 connector at the modem end. The shield of the cable was grounded via the connectors. The cable was bundled to the length of 1-meter.

Cable 3

This is a 1.6-meter unshielded cable connecting Camera Port 1 of the EUT to the first camera. The cable has a 6 pin mini DIN connector at the EUT end and is hard wired into the camera. The cable was bundled to the length of 1-meter.

Cable 4

This is a 1.6-meter unshielded cable connecting Camera Port 2 of the EUT to the second camera. The cable has a 6 pin mini DIN connector at the EUT end and is hard wired into the camera. The cable was bundled to the length of 1-meter.

Cable 5

This is a 1.6-meter unshielded cable connecting Camera Port 3 of the EUT to the third camera. The cable has a 6 pin mini DIN connector at the EUT end and is hard wired into the camera. The cable was bundled to the length of 1-meter.

Cable 6

This is a 1.8-meter unshielded cable connecting the P/Out port of the EUT to the breakout box. The cable has a 4 pin mini DIN connector at each end. The cable was bundled to the length of 1.15-meters.

Cable 7

This is a 2-meter Y-type split cable connecting the AV/Out port of the EUT to the breakout box. The cable has a male barrel connector at the EUT end and a split RCA cable connectors at the breakout box end. The cable was bundled to the length of 1.2-meters.

Cable 8

This is a >6-meter unshielded cable connecting the EUT to the laptop computer through a crossover coupler. It has an RJ-45 connector on each end of the cable. The crossover coupler is located approximately 3-meters from the laptop end.



5. LISTS OF EUT, ACCESSORIES AND TEST EQUIPMENT**5.1 EUT and Accessory List**

#	EQUIPMENT TYPE	MANUFACTURER	MODEL	SERIAL NUMBER	FCC ID
1	VIDEO GATEWAY (EUT)	XANBOO, INC.	iG3	PROTOTYPE	OU4-IG3
2	CAMERA	NOT LABELED	NOT LABELED	NOT LABELED	NOT LABELED
3	CAMERA	NOT LABELED	NOT LABELED	NOT LABELED	NOT LABELED
4	CAMERA	NOT LABELED	NOT LABELED	NOT LABELED	NOT LABELED
5	BREAKOUT BOX	NOT LABELED	NOT LABELED	NOT LABELED	NOT LABELED
6	MODEM	HAYES	231AA	A25431083566	BFJ9D93108US
7	MODEM	HAYES	231US	A00631243345	BFJ9D93108US
8	LAPTOP COMPUTER	HEWLETT PACKARD	OMNI BOOK XE2	TW01301750	FCC MARK
9	WIRELESS CAMERA	NOT LABELED	NOT LABELED	NOT LABELED	NOT LABELED



5.2 EMI Test Equipment

EQUIPMENT TYPE	MANUFACTURER	MODEL NUMBER	SERIAL NUMBER	CAL. DATE	CAL. DUE DATE
Analyzer Spectrum - RF Section	Hewlett Packard	8566B	2747A04633	1/22/02	1/22/03
Analyzer Spectrum - Quasi-Peak	Hewlett Packard	85650A	2811A01217	1/22/02	1/22/03
Analyzer Spectrum - Display Section	Hewlett Packard	85662A	2810A15687	1/22/02	1/22/03
Loop Antenna	Com-Power	AL-130	25310	5/21/01	5/21/03
Antenna Biconical	Com Power	AB-900	15012	12/26/01	12/26/02
Antenna Horn	Com Power	AH-118	01319	4/08/02	4/08/03
Antenna Log Periodic	Com Power	AL-100	16074	12/26/01	12/26/02
Attenuator 10 dB	Pasternack	PE7002-10	N/A	1/29/02	1/29/03
Computer Test Station	Hewlett Packard	Pavilion 4530	US92100357	N/A	N/A
Generator Comb - Conducted	Com Power	CCG-255	25368	N/A	N/A
Generator Comb - Radiated	Com Power	CG-520	25168	N/A	N/A
Keyboard Test Station	Hewlett Packard	5183-7399	B91617789	N/A	N/A
LISN EUT Side	Com Power	LI-215	12039	1/13/02	1/13/03
LISN Accessory Side	Com Power	LI-215	12080	1/13/02	1/13/03
Mast Antenna	Com Power	AM-400	N/A	N/A	N/A
Monitor Test Station	Sony	CPD-100GS	7030391	N/A	N/A
Mouse Test Station	Hewlett Packard	M-S34	LZC91158065	N/A	N/A
Preamplifier	Com Power	PA-122	02120	4/26/02	4/26/03
Preamplifier	Com Power	CPPA-102	01200	1/14/02	1/14/03
Printer Test Station	Hewlett Packard	DeskJet 672C	CN859130F2	N/A	N/A
Probe Set - Near Field	Com Power	PS-400	01721	N/A	N/A



5.3 EMI/EMC Measurement and Control Software Information

LAB(S)	SOFTWARE TITLE	MANUFACTURER	VERSION
H, J, M	Compatible Electronics Data Capture Program	Compatible Electronics	3.1
H, J, M	Compatible Electronics Emissions Program	Compatible Electronics	2.3 (SR21)



6. TEST SITE DESCRIPTION**6.1 Test Facility Description**

Please refer to section 2.1 and 7.1 of this report for EMI test location.

6.2 EUT Mounting, Bonding and Grounding

The EUT was mounted on a 1.0 by 1.5 meter non-conductive table 0.8 meters above the ground plane.

The EUT was grounded through the shield of the serial cable.



7. TEST PROCEDURES

The following sections describe the test methods and the specifications for the tests. Test results are also included in this section.

7.1 Conducted Emissions Test

The spectrum analyzer was used as a measuring meter. The data was collected with the spectrum analyzer in the peak detect mode with the "Max Hold" feature activated. The quasi-peak was used only where indicated in the data sheets. A 10 dB attenuation pad was used for the protection of the spectrum analyzer input stage, and the offset was adjusted accordingly to read the actual data measured. The LISN output was measured using the spectrum analyzer. The output of the second LISN was terminated by a 50 ohm termination. The effective measurement bandwidth used for this test was 9 kHz.

Please see section 6.2 of this report for mounting, bonding and grounding of the EUT. The EUT was powered through the LISN, which was bonded to the ground plane. The LISN power was filtered and the filter was bonded to the ground plane. The EUT was set up with the minimum distances from any conductive surfaces as specified in ANSI C63.4: 1992. The excess power cord was wrapped in a figure eight pattern to form a bundle not exceeding 0.4 meters in length.

The conducted emissions from the EUT were maximized for operating mode as well as cable placement. The final data was collected under program control by the Compatible Electronics test software in several overlapping sweeps by running the spectrum analyzer at a minimum scan rate of 10 seconds per octave. The final qualification data is located in Appendix E.



7.2**Radiated Emissions (Spurious and Harmonics) Test**

The spectrum analyzer was used as a measuring meter along with the quasi-peak adapter. Amplifiers were used to increase the sensitivity of the instrument. The Com Power Preamplifier Model: PA-102 was used for frequencies from 30 MHz to 1 GHz, and the Com-Power Microwave Preamplifier Model: PA-122 was used for frequencies above 1 GHz. The spectrum analyzer was used in the peak detect mode with the "Max Hold" feature activated. In this mode, the spectrum analyzer records the highest measured reading over all the sweeps.

For the peak readings below 1000 MHz that were within 3 dB of the spec limit or higher, the quasi-peak adapter was used.

For the peak readings above 1000 MHz that were within 3dB of the spec limit or higher, the readings were averaged manually by narrowing the video filter down to 10 Hz and slowing the sweep time to keep the amplitude reading calibrated.

The measurement bandwidths and transducers used for the radiated emissions test were:

FREQUENCY RANGE	EFFECTIVE MEASUREMENT BANDWIDTH	TRANSDUCER
9 kHz to 150 kHz	200 Hz	Active Loop Antenna
150 kHz to 30 MHz	9 kHz	Active Loop Antenna
30 MHz to 300 MHz	120 kHz	Biconical Antenna
300 MHz to 1 GHz	120 kHz	Log Periodic Antenna
1 GHz to 4.3 GHz	1 MHz	Horn Antenna

The open field test site of Compatible Electronics, Inc. was used for radiated emission testing. This test site is set up according to ANSI C63.4: 1992. Please see section 6.2 of this report for mounting, bonding and grounding of the EUT. The turntable supporting the EUT is remote controlled using a motor. The turntable permits EUT rotation of 360 degrees in order to maximize emissions. Also, the antenna mast allows height variation of the antenna from 1 meter to 4 meters. Data was collected in the worst case (highest emission) configuration of the EUT. At each reading, the EUT was rotated 360 degrees and the antenna height was varied from 1 to 4 meters (for E field radiated field strength). The gunsight method was used when measuring with the horn antenna in order to ensure accurate results. The loop antenna was also rotated in the horizontal and vertical axis in order to ensure accurate results.

The presence of ambient signals was verified by turning the EUT off. In case an ambient signal was detected, the measurement bandwidth was reduced temporarily and verification was made that an additional adjacent peak did not exist. This ensures that the ambient signal does not hide any emissions from the EUT. The EUT was tested at a 3 meter test distance to obtain final test data. The final qualification data sheets are located in Appendix D.



7.3 Bandwidth of the Fundamental

The -20 dB bandwidth was checked to see that it was within 0.25% of the fundamental frequency for the EUT. A plot of the -20 dB bandwidth is located in Appendix D.



8. CONCLUSIONS

The Video Gateway, Model: iG3 meets all of the specification limits defined in CFR Title 47, Part 15, Subpart B and CFR Title 47, Part 15, Subpart C, sections 15.205, 15.207, 15.209, and 15.231.



APPENDIX A

MODIFICATIONS TO THE EUT



MODIFICATIONS TO THE EUT

The modifications listed below were made to the EUT to pass CFR Title 47, Part 15, Subpart B and CFR Title 47, Part 15, Subpart C, sections 15.205, 15.207, 15.209, and 15.231 specifications.

All the rework described below was implemented during the test in a method that could be reproduced in all the units by the manufacturer.

Modifications:

No modifications were made to the EUT during testing.



APPENDIX B

ADDITIONAL MODELS COVERED UNDER THIS REPORT



ADDITIONAL MODELS COVERED UNDER THIS REPORT

USED FOR THE PRIMARY TEST

VIDEO GATEWAY

Model: iG3

S/N: PROTOTYPE

There were no additional models covered under this report.



APPENDIX C

DIAGRAMS, CHARTS AND PHOTOS



FIGURE 1: CONDUCTED EMISSIONS TEST SETUP

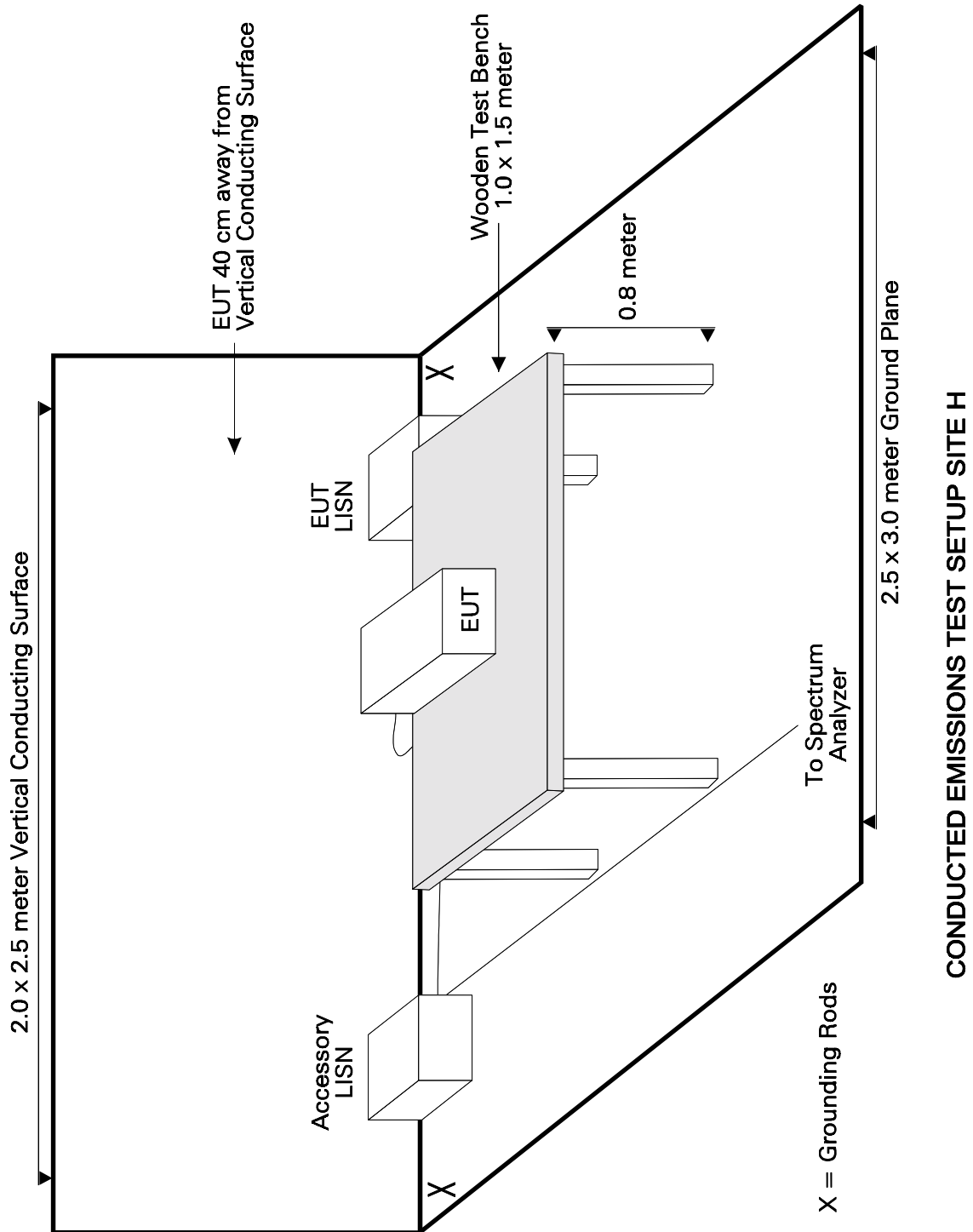
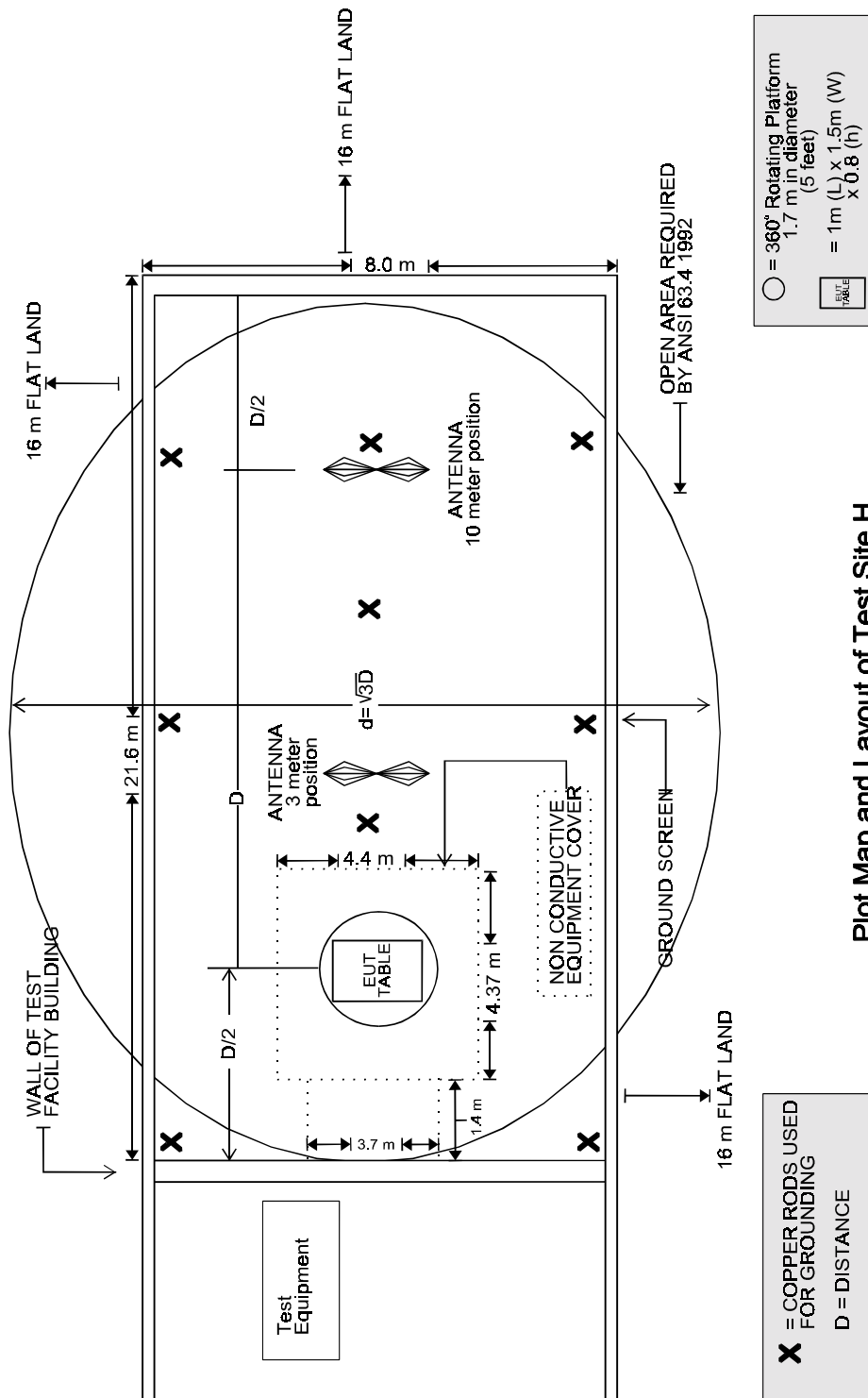


FIGURE 2: PLOT MAP AND LAYOUT OF RADIATED TEST SITE





FRONT VIEW

XANBOO, INC.
VIDEO GATEWAY
MODEL: iG3

FCC SUBPART B - CONDUCTED EMISSIONS – 12-04-02

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION
FOR MAXIMUM EMISSIONS**





REAR VIEW

XANBOO, INC.
VIDEO GATEWAY
MODEL: iG3

FCC SUBPART B - CONDUCTED EMISSIONS – 12-04-02

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION
FOR MAXIMUM EMISSIONS**





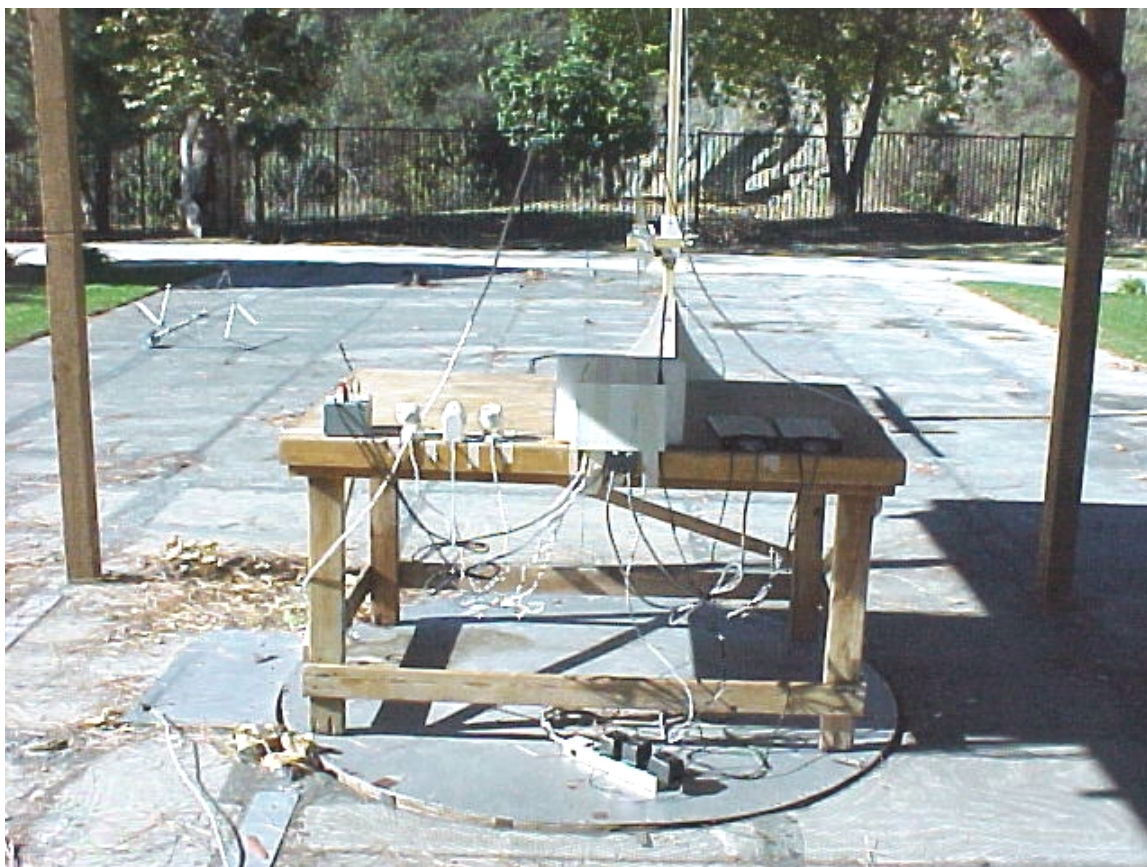
FRONT VIEW

XANBOO, INC.
VIDEO GATEWAY
MODEL: iG3

FCC SUBPART C - RADIATED EMISSIONS – 12-02-02

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION
FOR MAXIMUM EMISSIONS**





REAR VIEW

XANBOO, INC.
VIDEO GATEWAY
MODEL: iG3

FCC SUBPART C - RADIATED EMISSIONS – 12-02-02

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION
FOR MAXIMUM EMISSIONS**



COM-POWER AB-900

LAB H - BICONICAL ANTENNA

S/N: 15012

CALIBRATION DATE: DECEMBER 26, 2001

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
30.0	11.60	120.0	13.20
35.0	11.30	125.0	12.70
40.0	11.10	140.0	12.60
45.0	11.30	150.0	12.10
50.0	10.90	160.0	12.60
60.0	10.30	175.0	14.70
70.0	8.00	180.0	15.40
80.0	7.80	200.0	17.20
90.0	7.80	150.0	15.40
100.0	9.40	300.0	19.10



COM-POWER AL-100

LAB H - LOG PERIODIC ANTENNA

S/N: 16074

CALIBRATION DATE: DECEMBER 26, 2001

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
300	14.10	700	19.60
400	14.50	800	22.30
500	16.40	900	23.30
600	18.40	1000	23.80



COM-POWER PA-102**LAB H - PREAMPLIFIER****S/N: 1200****CALIBRATION DATE: JANUARY 14, 2002**

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
30	36.2	300	36.0
40	36.3	350	35.6
50	36.2	400	35.5
60	36.1	450	35.4
70	36.2	500	35.1
80	36.2	550	35.3
90	35.9	600	35.2
100	36.0	650	34.8
125	36.0	700	34.4
150	35.9	750	34.4
175	35.9	800	34.4
200	35.8	850	34.1
225	35.8	900	33.6
250	36.0	950	33.2
275	35.8	1000	33.9



COM-POWER PA-122**LAB H – HI-FREQUENCY PREAMPLIFIER****S/N: 01321****CALIBRATION DATE: APRIL 26, 2002**

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
1000	27.7	6000	27.4
1100	29.9	6500	27.4
1200	28.4	7000	28.1
1300	27.7	7500	29.0
1400	28.4	8000	29.8
1500	29.2	8500	29.6
1600	27.9	9000	29.9
1700	28.4	9500	28.9
1800	28.8	10000	29.9
1900	28.9	11000	31.1
2000	30.5	12000	28.0
2500	29.0	13000	29.1
3000	29.3	14000	30.1
3500	28.9	15000	28.8
4000	28.2	16000	30.5
4500	27.5	17000	29.9
5000	27.3	18000	28.9
5500	27.0	-	-



COM-POWER AL-118

LAB H - HORN ANTENNA

S/N: 01319

CALIBRATION DATE: APRIL 8, 2002

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
1000	25.3	10000	40.3
1500	26.7	10500	42.9
2000	28.4	11000	41.3
2500	28.9	11500	44.1
3000	31.7	12000	43.7
3500	32.1	12500	42.8
4000	31.9	13000	39.7
4500	32.2	13500	41.7
5000	32.8	14000	39.6
6000	34.9	14500	45.6
6500	34.6	15000	43.3
7000	39.1	15500	43.9
7500	38.9	16000	43.5
8000	38.6	16500	44.6
8500	39.1	17000	46.4
9000	37.9	17500	47.9
9500	39.6	18000	44.2



COM-POWER AL-130**LAB H – LOOP ANTENNA (E-FIELD)****S/N: 25310****CALIBRATION DATE: MAY 21, 2001**

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
0.009	9.7	1.0	9.6
0.01	9.7	2.0	10.3
0.02	8.8	3.0	10.0
0.50	8.9	4.0	9.8
0.75	9.2	5.0	10.4
0.10	8.8	10.0	10.5
0.15	8.8	15.0	9.1
0.25	10.3	20.0	9.0
0.50	10.3	25.0	8.2
0.75	10.0	30.0	7.7



APPENDIX D

DATA SHEETS



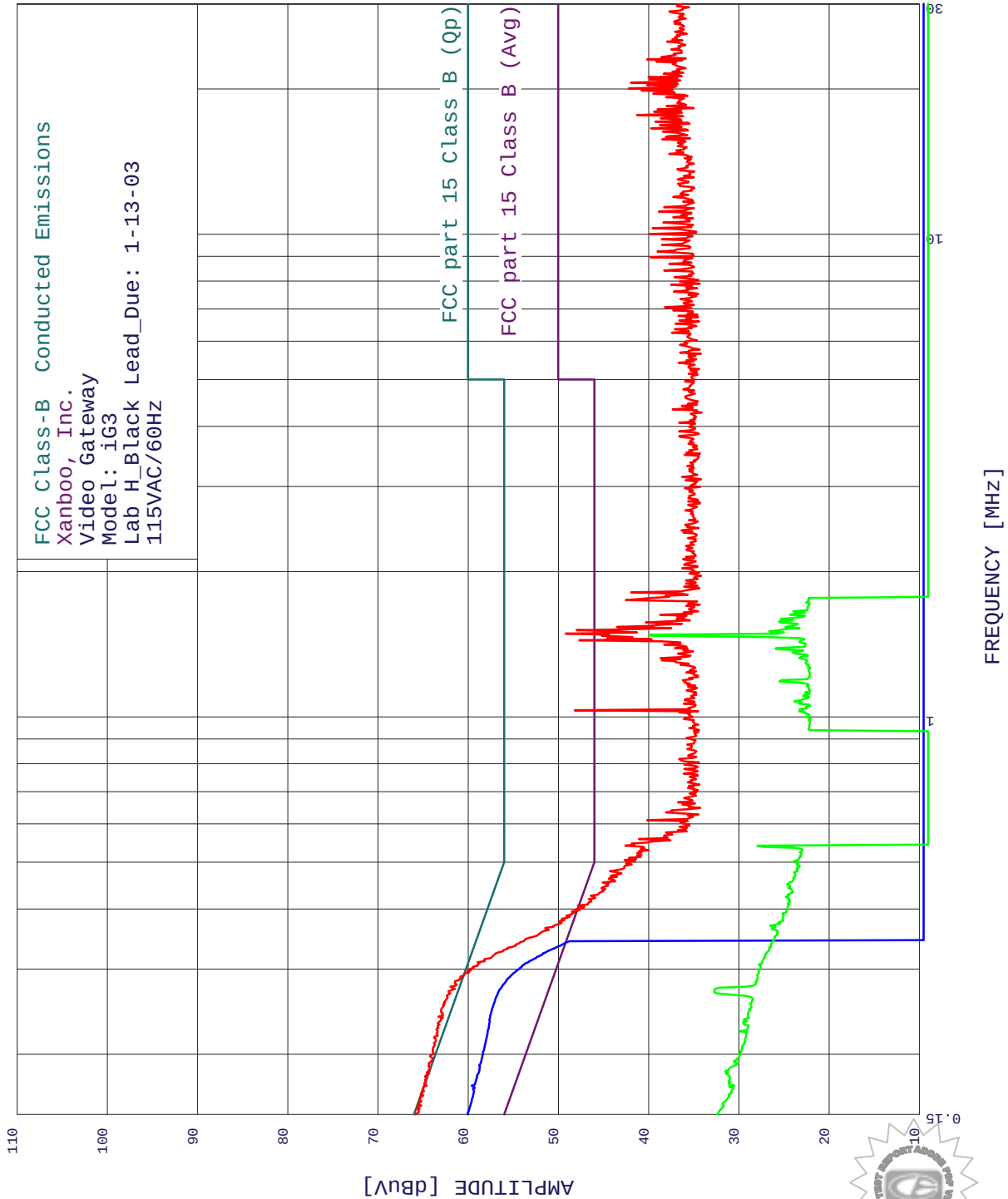
CONDUCTED EMISSIONS

DATA SHEETS



EMISSION LEVEL [dBuV] PEAK
Graph for Peak, Quasi-Peak & Average

12/04/2002 8:54:13



Xanboo, Inc.
Video Gateway
Model: iG3
115VAC/60Hz Black Lead
TEST ENGINEER : Carlos Sandoval

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12/04/2002

8:54:13

31 highest peaks above -50.00 dB of FCC Class B (Qp) limit line

Peak criteria : 0.10 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.239	63.28	62.12	1.16
2	0.276	61.97	60.94	1.03
3	0.244	62.98	61.95	1.03
4	0.269	62.17	61.15	1.02
5	0.232	63.39	62.39	1.00
6	0.216	63.79	62.96	0.83
7	0.280	61.47	60.81	0.66
8	0.199	64.20	63.67	0.53
9	0.192	64.39	63.97	0.42
10	0.180	64.78	64.50	0.29
11	0.183	64.59	64.33	0.26
12	0.177	64.78	64.63	0.15
13	0.185	64.39	64.24	0.15
14	0.174	64.88	64.77	0.12
15	0.165	65.28	65.20	0.07
16	0.167	65.18	65.11	0.06
17	0.169	65.08	65.03	0.05
18	0.162	65.37	65.38	-0.01
19	0.157	65.57	65.60	-0.03
20	0.155	65.67	65.73	-0.06
21	0.150	65.87	66.00	-0.13
22	0.153	65.57	65.82	-0.25
23	0.297	60.06	60.32	-0.26
24	0.300	59.86	60.23	-0.37
25	0.310	58.96	59.97	-1.01
26	1.488	49.18	56.00	-6.82
27	0.363	51.44	58.65	-7.21
28	1.032	48.19	56.00	-7.81
29	1.512	47.98	56.00	-8.02
30	1.441	47.67	56.00	-8.33
31	0.377	49.93	58.34	-8.41



Xanboo, Inc.
Video Gateway

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Model: iG3

115VAC/60Hz Black Lead

12/04/2002

8:54:13

TEST ENGINEER : Carlos Sandoval

3 highest peaks above -50.00 dB of FCC Class B (Qp) limit line

Peak criteria : 0.10 dB, Curve : Quasi-peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.172	59.59	64.86	-5.27
2	0.170	59.47	64.98	-5.52
3	0.150	60.06	66.00	-5.94



Xanboo, Inc.
Video Gateway
Model: iG3
115VAC/60Hz Black Lead
TEST ENGINEER : Carlos Sandoval

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12/04/2002

8:54:13

31 highest peaks above -50.00 dB of FCC Class B (Avg) limit line

Peak criteria : 0.10 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.239	63.28	52.12	11.16
2	0.276	61.97	50.94	11.03
3	0.244	62.98	51.95	11.03
4	0.269	62.17	51.15	11.02
5	0.232	63.39	52.39	11.00
6	0.216	63.79	52.96	10.83
7	0.280	61.47	50.81	10.66
8	0.199	64.20	53.67	10.53
9	0.192	64.39	53.97	10.42
10	0.180	64.78	54.50	10.29
11	0.183	64.59	54.33	10.26
12	0.177	64.78	54.63	10.15
13	0.185	64.39	54.24	10.15
14	0.174	64.88	54.77	10.12
15	0.165	65.28	55.20	10.07
16	0.167	65.18	55.11	10.06
17	0.169	65.08	55.03	10.05
18	0.162	65.37	55.38	9.99
19	0.157	65.57	55.60	9.97
20	0.155	65.67	55.73	9.94
21	0.150	65.87	56.00	9.87
22	0.153	65.57	55.82	9.75
23	0.297	60.06	50.32	9.74
24	0.300	59.86	50.23	9.63
25	0.310	58.96	49.97	8.99
26	1.488	49.18	46.00	3.18
27	0.363	51.44	48.65	2.79
28	1.032	48.19	46.00	2.19
29	1.512	47.98	46.00	1.98
30	1.441	47.67	46.00	1.67
31	0.377	49.93	48.34	1.59



Xanboo, Inc.
Video Gateway
Model: iG3
115VAC/60Hz Black Lead
TEST ENGINEER : Carlos Sandoval

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31 highest peaks above -50.00 dB of FCC Class B (Avg) limit line

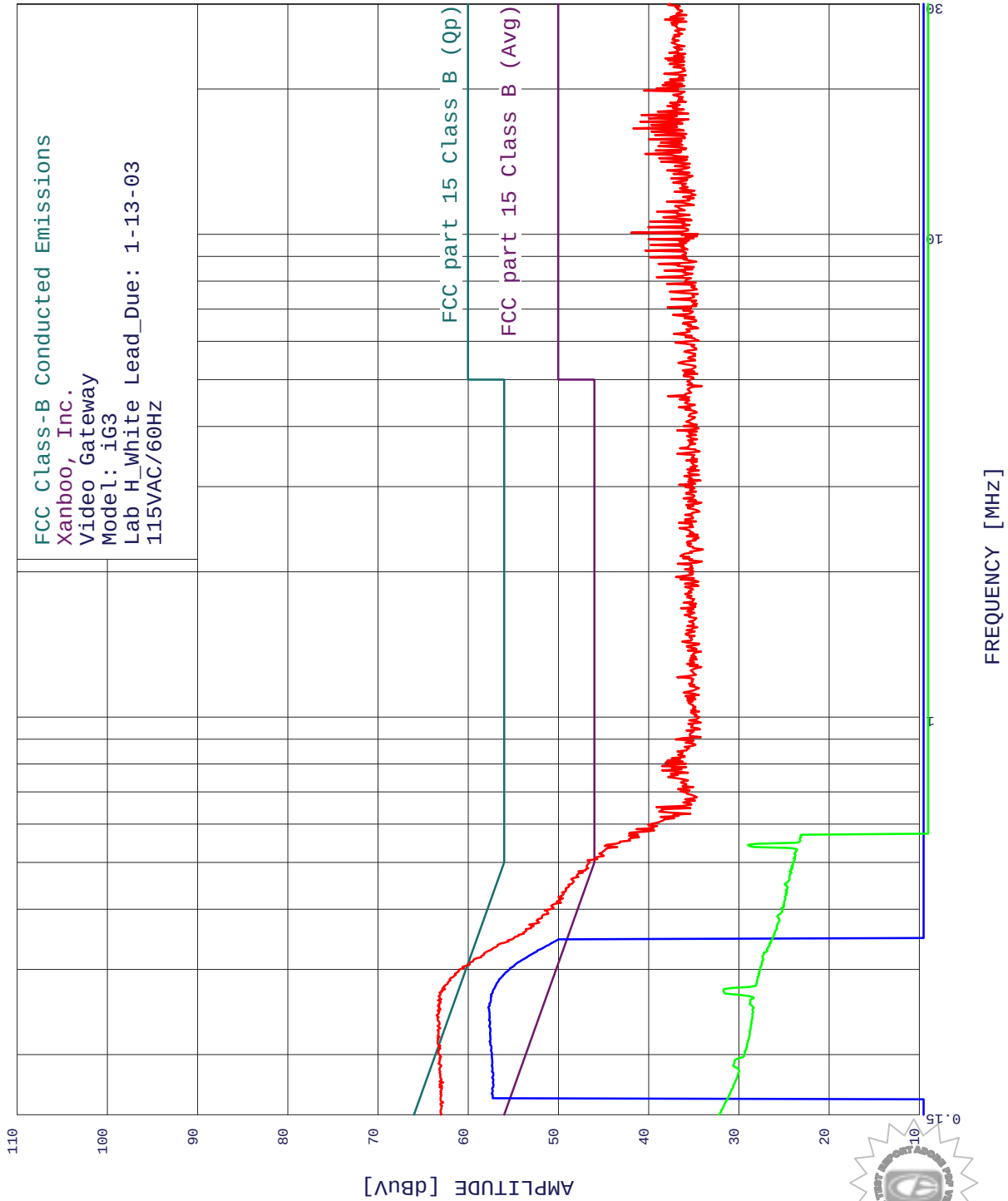
Peak criteria : 0.10 dB, Curve : Average

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	1.480	39.85	46.00	-6.15
2	0.541	27.95	46.00	-18.05
3	0.269	32.74	51.15	-18.41
4	1.504	26.63	46.00	-19.37
5	1.389	25.90	46.00	-20.10
6	1.577	25.53	46.00	-20.47
7	1.184	25.51	46.00	-20.49
8	1.594	25.35	46.00	-20.65
9	1.536	24.83	46.00	-21.17
10	1.629	24.32	46.00	-21.68
11	1.359	24.05	46.00	-21.95
12	0.369	26.52	48.52	-21.99
13	1.654	23.97	46.00	-22.03
14	0.502	23.86	46.00	-22.14
15	1.077	23.86	46.00	-22.14
16	0.449	24.65	46.89	-22.24
17	0.307	27.80	50.05	-22.26
18	0.363	26.37	48.65	-22.28
19	0.442	24.52	47.02	-22.50
20	0.494	23.58	46.09	-22.52
21	0.476	23.87	46.40	-22.53
22	0.424	24.79	47.37	-22.58
23	0.486	23.58	46.23	-22.65
24	1.066	23.33	46.00	-22.67
25	1.027	23.33	46.00	-22.67
26	0.428	24.59	47.28	-22.69
27	1.325	23.31	46.00	-22.69
28	0.524	23.26	46.00	-22.74
29	1.434	23.25	46.00	-22.75
30	1.038	23.25	46.00	-22.75
31	0.150	32.42	56.00	-23.58



EMISSION LEVEL [dBuV] PEAK
Graph for Peak, Quasi-Peak & Average

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Xanboo, Inc.
Video Gateway
Model: iG3
115VAC/60Hz White Lead
TEST ENGINEER : Carlos Sandoval

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31 highest peaks above -50.00 dB of FCC Class B (Qp) limit line

Peak criteria : 0.10 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.265	63.26	61.29	1.97
2	0.259	63.36	61.47	1.89
3	0.275	62.85	60.98	1.87
4	0.252	63.36	61.68	1.68
5	0.247	63.36	61.86	1.51
6	0.250	63.26	61.77	1.49
7	0.240	63.47	62.08	1.39
8	0.235	63.37	62.25	1.11
9	0.229	63.37	62.48	0.89
10	0.219	63.38	62.87	0.51
11	0.304	60.64	60.14	0.50
12	0.211	63.38	63.18	0.20
13	0.207	63.28	63.31	-0.03
14	0.201	63.28	63.58	-0.29
15	0.197	63.18	63.75	-0.57
16	0.192	63.28	63.97	-0.69
17	0.187	63.18	64.15	-0.97
18	0.176	63.17	64.68	-1.50
19	0.173	63.17	64.81	-1.64
20	0.171	63.17	64.90	-1.73
21	0.168	63.07	65.07	-2.00
22	0.158	63.07	65.56	-2.49
23	0.153	63.06	65.82	-2.76
24	0.150	63.06	66.00	-2.94
25	0.371	53.22	58.47	-5.26
26	0.379	52.41	58.29	-5.88
27	0.398	51.51	57.90	-6.39
28	0.406	50.80	57.72	-6.92
29	0.415	50.20	57.55	-7.35
30	0.424	50.00	57.37	-7.38
31	0.433	49.59	57.19	-7.60



Xanboo, Inc.
Video Gateway

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Model: iG3

115VAC/60Hz White Lead

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TEST ENGINEER : Carlos Sandoval

6 highest peaks above -50.00 dB of FCC Class B (Qp) limit line

Peak criteria : 0.10 dB, Curve : Quasi-peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.250	57.75	61.77	-4.02
2	0.229	57.66	62.48	-4.82
3	0.213	57.63	63.09	-5.47
4	0.179	57.34	64.54	-7.20
5	0.166	57.40	65.16	-7.76
6	0.150	0.00	66.00	-66.00



Xanboo, Inc.
Video Gateway
Model: iG3
115VAC/60Hz White Lead
TEST ENGINEER : Carlos Sandoval

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36 highest peaks above -50.00 dB of FCC Class B (Avg) limit line

Peak criteria : 0.50 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.240	63.47	52.08	11.39
2	0.150	63.06	56.00	7.06
3	0.541	44.86	46.00	-1.14
4	0.567	42.16	46.00	-3.84
5	0.573	42.16	46.00	-3.84
6	0.586	41.35	46.00	-4.65
7	0.598	40.05	46.00	-5.95
8	0.651	39.14	46.00	-6.86
9	0.637	38.85	46.00	-7.15
10	0.621	38.65	46.00	-7.35
11	0.775	38.52	46.00	-7.48
12	0.792	38.52	46.00	-7.48
13	0.805	38.12	46.00	-7.88
14	10.074	41.93	50.00	-8.07
15	0.814	37.92	46.00	-8.08
16	4.624	37.87	46.00	-8.13
17	0.751	37.83	46.00	-8.17
18	16.582	41.71	50.00	-8.29
19	0.763	37.53	46.00	-8.47
20	0.783	37.42	46.00	-8.58
21	0.822	37.42	46.00	-8.58
22	0.627	37.25	46.00	-8.75
23	0.899	37.00	46.00	-9.00
24	1.950	36.98	46.00	-9.02
25	17.116	40.94	50.00	-9.06
26	3.924	36.83	46.00	-9.17
27	1.210	36.83	46.00	-9.17
28	3.511	36.83	46.00	-9.17
29	0.849	36.81	46.00	-9.19
30	2.077	36.78	46.00	-9.22
31	17.669	40.77	50.00	-9.23
32	0.709	36.73	46.00	-9.27
33	0.835	36.71	46.00	-9.29
34	4.384	36.66	46.00	-9.34
35	2.527	36.65	46.00	-9.35
36	3.027	36.62	46.00	-9.38

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Xanboo, Inc.
Video Gateway

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Model: iG3

12/04/2002

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115VAC/60Hz White Lead

TEST ENGINEER : Carlos Sandoval

4 highest peaks above -50.00 dB of FCC Class B (Avg) limit line

Peak criteria : 0.50 dB, Curve : Average

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.544	28.99	46.00	-17.01
2	0.272	31.73	51.07	-19.34
3	0.189	30.65	54.06	-23.41
4	0.150	32.16	56.00	-23.84

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RADIATED EMISSIONS

DATA SHEETS



Test Location : Compatible Electronics **Page** : 1/1
Customer : Bill Diamond **Date** : 12/03/2002
Manufacturer : Xanboo, Inc. **Time** : 04:34:52 PM
Eut name : Video Gateway **Lab** : H
Model : iG3 **Test Distance** : 3.00 Meters
Serial # : -
Specification : FCC Section 15.209 (40log)
Distance correction factor (20 * log(test/spec)) : 0.00
Test Mode : Osc: 4MHz, 11.28MHz, 20MHz, 24.546MHz, 25MHz, 27MHz, 48MHz
Qualification Scan
Test Range: 9kHz- 30MHz
Tested by Carlos Sandoval

Pol	Freq	Reading	Cable loss	Antenna factor	Amplifier gain	Corr'd rdg = R	Limit = L	Delta R-L
	MHz	dBuV	dB	dB	dB	dBuV/m	dBuV/m	dB

NO EMISSIONS WERE FOUND FROM 9 kHz - 30 MHz



Test Location : Compatible Electronics **Page** : 1/1
Customer : Bill Diamond **Date** : 12/03/2002
Manufacturer : Xanboo, Inc. **Time** : 08:22:17 AM
Eut name : Video Gateway **Lab** : H
Model : iG3 **Test Distance** : 3.00 Meters
Serial # : -
Specification : FCC Class B
Distance correction factor (20 * log(test/spec)) : 0.00
Test Mode : Clocks:
Qualification Scan
Test Range: 30 - 300 MHz
Tested by Carlos Sandoval

Pol	Freq MHz	Reading dBuV	Cable loss dB	Antenna factor dB	Amplifier gain dB	Corr'd rdg = R dBuV/m	Limit = L dBuV/m	Delta R-L dB
V	38.216	53.40	1.74	11.17	36.12	30.19	40.00	-9.81
V	43.022	55.80	1.83	11.22	36.13	32.72	40.00	-7.28
V	135.052	48.80	2.04	12.63	35.96	27.52	43.50	-15.98
V	146.143	47.00	2.09	12.29	35.91	25.46	43.50	-18.04
146.143 MHz is Broadband peak from approx 143 - 149 MHz								
V	158.096	45.50	2.10	12.51	35.90	24.21	43.50	-19.29
V	163.757	46.60	2.10	13.14	35.90	25.94	43.50	-17.56
V	169.414	43.80	2.10	13.94	35.90	23.94	43.50	-19.56
V	174.987	45.20	2.10	14.70	35.90	26.10	43.50	-17.40
V	180.684	47.20	2.15	15.46	35.88	28.94	43.50	-14.56
V	186.357	48.20	2.19	15.99	35.85	30.53	43.50	-12.97
V	191.966	45.00	2.24	16.50	35.83	27.91	43.50	-15.59
V	259.720	43.00	2.40	16.17	35.92	25.65	46.00	-20.35
V	297.087	42.70	2.58	18.90	35.98	28.20	46.00	-17.80



Test Location : Compatible Electronics **Page** : 1/1
Customer : Bill Diamond **Date** : 12/03/2002
Manufacturer : Xanboo, Inc. **Time** : 11:25:08 AM
Eut name : Video Gateway **Lab** : H
Model : iG3 **Test Distance** : 3.00 Meters
Serial # : -
Specification : FCC Class B
Distance correction factor (20 * log(test/spec)) : 0.00
Test Mode : Osc: 4MHz, 11.28MHz, 20MHz, 24.546MHz, 25MHz, 27MHz, 48MHz
Qualification Scan
Test Range: 300 - 1000 MHz
Tested by Carlos Sandoval

Pol	Freq MHz	Reading dBuV	Cable loss dB	Antenna factor dB	Amplifier gain dB	Corr'd rdg = R dBuV/m	Limit = L dBuV/m	Delta R-L dB
V	315.073	39.90	2.66	13.86	35.87	20.55	46.00	-25.45
V	324.040	42.70	2.70	13.95	35.80	23.55	46.00	-22.45
V	351.066	42.90	2.81	14.22	35.60	24.33	46.00	-21.67
V	380.705	43.90	2.99	14.64	35.54	25.99	46.00	-20.01
V	405.036	53.20	3.12	14.89	35.49	35.72	46.00	-10.28
V	432.081	52.50	3.23	14.83	35.43	35.13	46.00	-10.87
V	435.073	41.90	3.24	14.83	35.43	24.54	46.00	-21.46
V	459.030	50.30	3.30	15.23	35.34	33.49	46.00	-12.51
V	486.045	46.30	3.30	16.48	35.18	30.90	46.00	-15.10
V	513.035	47.30	3.33	17.13	35.15	32.60	46.00	-13.40
V	516.606	42.00	3.33	17.13	35.17	27.30	46.00	-18.70
V	594.038	44.50	3.67	18.17	35.21	31.13	46.00	-14.87
V	624.035	37.60	3.85	18.50	35.00	24.94	46.00	-21.06
V	648.082	44.70	3.99	18.69	34.81	32.56	46.00	-13.44
V	675.080	38.30	3.95	18.80	34.60	26.46	46.00	-19.54
V	693.071	40.50	3.91	18.87	34.45	28.83	46.00	-17.17
V	702.038	46.90	3.91	18.94	34.40	35.35	46.00	-10.65
V	711.050	39.90	3.95	19.10	34.40	28.55	46.00	-17.45
V	720.088	45.90	3.98	19.27	34.40	34.75	46.00	-11.25
V	729.059	41.00	4.02	19.43	34.40	30.05	46.00	-15.95
V	756.026	42.50	4.11	19.92	34.40	32.14	46.00	-13.86
V	768.035	40.80	4.14	20.17	34.40	30.71	46.00	-15.29
V	816.053	38.40	4.30	21.23	34.30	29.62	46.00	-16.38
V	828.038	41.10	4.37	21.54	34.23	32.78	46.00	-13.22
V	999.045	38.30	4.89	24.38	33.89	33.69	54.00	-20.31



Test Location : Compatible Electronics **Page** : 1/1
Customer : Bill Diamond **Date** : 12/03/2002
Manufacturer : Xanboo, Inc. **Time** : 10:00:24 AM
Eut name : Video Gateway **Lab** : H
Model : iG3 **Test Distance** : 3.00 Meters
Serial # : -
Specification : FCC Class B
Distance correction factor (20 * log(test/spec)) : 0.00
Test Mode : Osc: 4MHz, 11.28MHz, 20MHz, 24.546MHz, 25MHz, 27MHz, 48MHz
Qualification Scan
Test Range: 30 - 300 MHz
Tested by Carlos Sandoval

Pol	Freq MHz	Reading dBuV	Cable loss dB	Antenna factor dB	Amplifier gain dB	Corr'd rdg = R dBuV/m	Limit = L dBuV/m	Delta R-L dB
H	38.223	45.00	1.74	11.17	36.12	21.79	40.00	-18.21
H	43.029	45.30	1.83	11.22	36.13	22.22	40.00	-17.78
H	135.048	45.60	2.04	12.63	35.96	24.32	43.50	-19.18
H	146.089	46.90	2.09	12.29	35.91	25.36	43.50	-18.14
146 MHz is broadband peak from approx 143 - 149 MHz								
H	158.089	44.90	2.10	12.51	35.90	23.61	43.50	-19.89
H	162.323	42.70	2.10	12.94	35.90	21.84	43.50	-21.66
H	163.739	45.20	2.10	13.14	35.90	24.54	43.50	-18.96
H	169.434	42.20	2.10	13.94	35.90	22.34	43.50	-21.16
H	175.039	43.70	2.10	14.71	35.90	24.61	43.50	-18.89
H	180.698	43.20	2.15	15.47	35.88	24.94	43.50	-18.56
H	186.337	42.30	2.19	15.99	35.85	24.63	43.50	-18.87
H	243.053	46.20	2.37	15.63	35.95	28.25	46.00	-17.75
H	265.352	43.70	2.40	16.61	35.87	26.83	46.00	-19.17
H	288.074	39.40	2.51	18.28	35.91	24.28	46.00	-21.72
H	297.036	47.10	2.58	18.90	35.98	32.60	46.00	-13.40
H	297.041	45.90	2.58	18.90	35.98	31.40	46.00	-14.60



Test Location : Compatible Electronics **Page** : 1/1
Customer : Bill Diamond **Date** : 12/03/2002
Manufacturer : Xanboo, Inc. **Time** : 02:01:27 PM
Eut name : Video Gateway **Lab** : H
Model : iG3 **Test Distance** : 3.00 Meters
Serial # : -
Specification : FCC Class B
Distance correction factor (20 * log(test/spec)) : 0.00
Test Mode : Osc: 4MHz, 11.28MHz, 20MHz, 24.546MHz, 25MHz, 27MHz, 48MHz
Qualification Scan
Test Range: 300 - 1000 MHz
Tested by Carlos Sandoval

Pol	Freq MHz	Reading dBuV	Cable loss dB	Antenna factor dB	Amplifier gain dB	Corr'd rdg = R dBuV/m	Limit = L dBuV/m	Delta R-L dB
H	315.036	42.10	2.66	13.86	35.87	22.75	46.00	-23.25
H	324.078	43.00	2.70	13.95	35.80	23.85	46.00	-22.15
H	342.075	43.50	2.77	14.13	35.66	24.74	46.00	-21.26
H	351.062	45.90	2.81	14.22	35.60	27.32	46.00	-18.68
H	378.026	44.20	2.97	14.60	35.54	26.23	46.00	-19.77
H	380.669	47.40	2.99	14.64	35.54	29.49	46.00	-16.51
H	405.033	57.10	3.12	14.89	35.49	39.62	46.00	-6.38
H	407.867	47.40	3.13	14.88	35.48	29.93	46.00	-16.07
H	432.089	54.60	3.23	14.83	35.43	37.23	46.00	-8.77
H	435.089	40.80	3.24	14.83	35.43	23.44	46.00	-22.56
H	459.065	48.10	3.30	15.24	35.34	31.29	46.00	-14.71
H	486.042	43.70	3.30	16.48	35.18	28.30	46.00	-17.70
H	513.040	48.20	3.33	17.13	35.15	33.50	46.00	-12.50
H	540.065	45.40	3.38	17.18	35.26	30.70	46.00	-15.30
H	567.040	45.70	3.51	17.59	35.26	31.53	46.00	-14.47
H	571.011	42.00	3.53	17.67	35.26	27.95	46.00	-18.05
H	594.020	42.20	3.67	18.17	35.21	28.83	46.00	-17.17
H	648.070	42.20	3.99	18.69	34.81	30.06	46.00	-15.94
H	693.039	40.00	3.91	18.87	34.45	28.33	46.00	-17.67
H	702.083	46.10	3.91	18.94	34.40	34.55	46.00	-11.45
H	720.095	44.30	3.98	19.27	34.40	33.15	46.00	-12.85
H	729.051	39.10	4.02	19.43	34.40	28.15	46.00	-17.85
H	756.042	42.70	4.11	19.92	34.40	32.34	46.00	-13.66
H	768.081	39.80	4.14	20.17	34.40	29.71	46.00	-16.29
H	828.054	38.00	4.37	21.54	34.23	29.68	46.00	-16.32
H	999.064	37.30	4.89	24.38	33.89	32.69	54.00	-21.31



Test Location : Compatible Electronics **Page** : 1/1
Customer : Bill Diamond **Date** : 12/02/2002
Manufacturer : Xanboo, Inc. **Time** : 03:25:07 PM
Eut name : Video Gateway **Lab** : H
Model : iG3 **Test Distance** : 3.00 Meters
Serial # : -
Specification : FCC Class B
Distance correction factor (20 * log(test/spec)) : 0.00
Test Mode : Clocks:
Qualification Scan
Test Range: 1000 - 5000 MHz
Tested by Carlos Sandoval

Pol	Freq MHz	Reading dBuV	Cable loss dB	Antenna factor dB	Amplifier gain dB	Corr'd rdg = R dBuV/m	Limit = L dBuV/m	Delta R-L dB
V	1188.060	41.90	6.07	25.89	28.57	45.29	54.00	-8.71
V	1215.046	42.30	6.33	25.97	28.21	46.39	54.00	-7.61
V	1296.078	41.70	7.54	26.20	27.25	48.19	54.00	-5.81
V	1350.074	42.40	7.34	26.34	27.81	48.27	54.00	-5.73
V	1377.061	41.20	7.21	26.40	28.13	46.68	54.00	-7.32
V	1404.009	42.90	7.09	26.47	28.43	48.03	54.00	-5.97
V	1458.047	42.70	6.98	26.60	28.87	47.41	54.00	-6.59
V	1485.058	42.10	6.93	26.67	29.08	46.61	54.00	-7.39
V	1647.061	42.10	7.34	27.25	28.14	48.56	54.00	-5.44
V	1990.624	48.00	9.44	28.37	30.35	55.45	54.00	1.45
V	1990.625Ave	45.19	9.44	28.37	30.35	52.64	54.00	-1.36
V	3981.199	43.50	13.76	31.91	28.22	60.95	54.00	6.95
V	3981.200Ave	35.50	13.76	31.91	28.22	52.95	54.00	-1.05
H	1259.688	43.90	7.01	26.10	27.67	49.33	54.00	-4.67
H	1296.116	41.00	7.54	26.20	27.24	47.49	54.00	-6.51
H	1350.028	42.20	7.35	26.34	27.81	48.07	54.00	-5.93
H	1377.065	41.40	7.21	26.40	28.13	46.88	54.00	-7.12
H	1404.053	42.90	7.09	26.47	28.43	48.03	54.00	-5.97
H	1431.062	41.90	7.04	26.54	28.65	46.82	54.00	-7.18
H	1458.079	42.00	6.98	26.60	28.87	46.71	54.00	-7.29
H	1485.063	35.30	6.93	26.67	29.08	39.81	54.00	-14.19
H	1990.666	48.60	9.44	28.37	30.35	56.05	54.00	2.05
H	1990.666Ave	45.49	9.44	28.37	30.35	52.94	54.00	-1.06
H	3981.200	41.90	13.76	31.91	28.22	59.35	54.00	5.35
H	3981.200Ave	34.19	13.76	31.91	28.22	51.64	54.00	-2.36



RADIATED EMISSIONS (FCC SECTION 15.205 AND 15.231)

COMPANY	Xanboo, Inc.	DATE	12/2/02
EUT	Video Gateway	DUTY CYCLE	N/A
MODEL	iG3	PEAK TO AVG	N/A
S/N	TBD	TEST DIST.	3 METERS
TEST ENGINEER	Carlos Sandoval	LAB	H

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi- Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
418.2000	67.0	QP	H	1.0	315	X	LOW	14.9	3.2	35.5	49.6	-30.7	80.3	EUT FLAT
418.2000	63.9	QP	H	1.0	0	Y	LOW	14.9	3.2	35.5	46.5	-33.8	80.3	EUT STANDING W/ ANT V
418.2000	66.1	QP	H	1.0	180	Z	LOW	14.9	3.2	35.5	48.7	-31.6	80.3	EUT STANDING W/ ANT H
418.2000	57.8	QP	V	1.0	20	X	LOW	14.9	3.2	35.5	40.4	-39.9	80.3	EUT FLAT
418.2000	64.8	QP	V	1.0	0	Y	LOW	14.9	3.2	35.5	47.4	-32.9	80.3	EUT STANDING W/ ANT V
418.2000	61.7	QP	V	1.0	315	Z	LOW	14.9	3.2	35.5	44.3	-36.0	80.3	EUT STANDING W/ ANT H

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

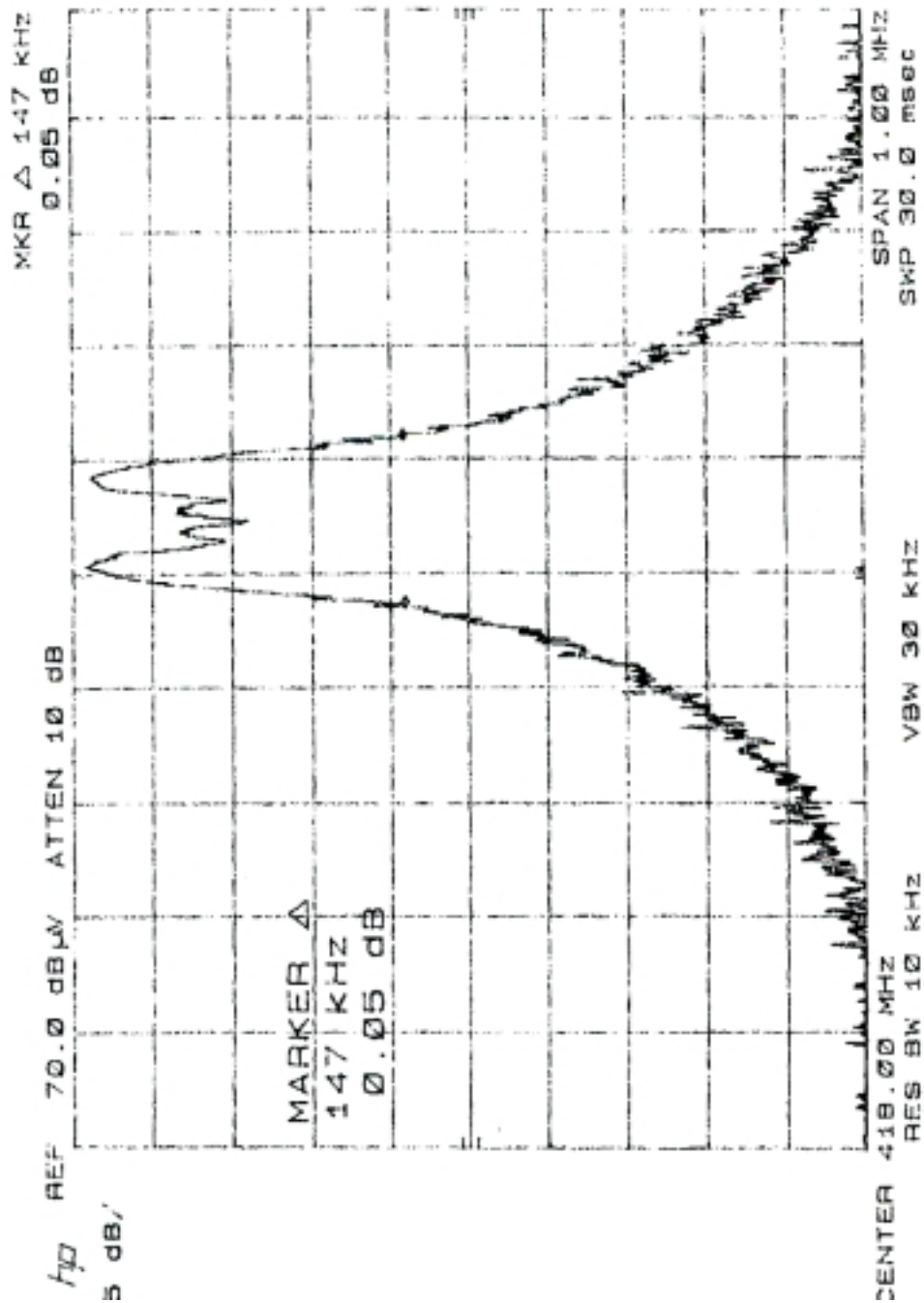
PAGE 1



-20 dB BANDWIDTH

DATA SHEET





APPENDIX E

LABORATORY ACCREDITATIONS AND RECOGNITIONS



LABORATORY ACCREDITATIONS AND RECOGNITIONS



For US, Canada, Australia/New Zealand, Taiwan and the European Union, Compatible Electronics is currently accredited by NVLAP to ISO/IEC 17025 an ISO 9002 equivalent. Please follow the link to the NIST site for each of our facilities NVLAP certificate and scope of accreditation.

Silverado/Lake Forest Division: <http://ts.nist.gov/ts/htdocs/210/214/scopes/2005270.htm>

Brea Division: <http://ts.nist.gov/ts/htdocs/210/214/scopes/2005280.htm>

Agoura Division: <http://ts.nist.gov/ts/htdocs/210/214/scopes/2000630.htm>



Compatible Electronics has been accredited by ANSI and appointed by the FCC to serve as a Telecommunications Certification Body (TCB). Compatible Electronics ANSI TCB listing can be found at: http://www.ansi.org/public/ca/ansi_cp.html



Compatible Electronics has been nominated as a Conformity Assessment Body (CAB) for EMC under the US/EU Mutual Recognition Agreement (MRA). Compatible Electronics NIST US/EU CAB listing can be found at: <http://ts.nist.gov/ts/htdocs/210/gsig/emc-cabs-mar02.pdf>



Compatible Electronics has been nominated as a Conformity Assessment Body (CAB) for Taiwan/BSMI under the US/APEC (Asia-Pacific Economic Cooperation) Mutual Recognition Agreement (MRA). Compatible Electronics NIST US/APEC CAB listing can be found at: <http://ts.nist.gov/ts/htdocs/210/gsig/apec/bsmi-cabs-may02.pdf>



Compatible Electronics has been validated by NEMKO against ISO/IEC 17025 under the NEMKO EMC Laboratory Authorization (ELA) program to all EN standards required by the European Union (EU) EMC Directive 89/336/EEC. Please follow the link to the Compatible Electronics' web site for each of our facilities NEMKO ELA certificate and scope of accreditation. <http://www.celectronics.com/certs.htm>

We are also certified/listed for IT products by the following country/agency:



Compatible Electronics VCCI listing can be found at:
http://www.vcci.or.jp/vcci_e/member/tekigo/setsubi_index_id.html

Just type "Compatible Electronics" into the Keyword search box.



Compatible Electronics FCC listing can be found at:
https://gulfoss2.fcc.gov/prod/oet/index_ie.html

Just type "Compatible Electronics" into the Test Firms search box.



Compatible Electronics IC listing can be found at:
http://spectrum.ic.gc.ca/~cert/labs/oats_lab_c_e.html