

APPLICATION OF CERTIFICATION
For

BEHRINGER MACAO COMMERCIAL OFFSHORE LIMITED

XENYX Mixer

Model Number: X2442USB; 1204USB; X1204USB; X1222USB;
X1622USB; X1832USB; X2222USB

FCC ID: XJVF09130

Prepared for : BEHRINGER MACAO COMMERCIAL OFFSHORE
LIMITED
Rua de Pequim, No 202-A Macau Finance Centre 9/J,
MACAU

Prepared By: Audix Technology (Shenzhen) Co., Ltd.
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Report Number : ACS-F09130
Date of Test : Jun.17~Jul.02, 2009
Date of Report : Jul.28, 2009

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TEST REPORT CERTIFICATION

Applicant : BEHRINGER MACAO COMMERCIAL OFFSHORE LIMITED
Manufacturer : Zhongshan Eurotec Electronics Ltd
EUT Description : XENYX Mixer
FCC ID : XJVF09130

(A) MODEL NO. : X2442USB; 1204USB; X1204USB;
X1222USB; X1622USB; X1832USB;
X2222USB

(B) SERIAL NO. : N/A

(C) TEST VOLTAGE : AC 120V/60Hz

Measurement Standard Used: ;

FCC Rules and Regulations Part 15 Subpart B Class B 2008, ANSI C63.4-2003
CISPR 22: 1997

The device described above is tested by Audix Technology (Shenzhen) Co., Ltd. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart B Class B limits for radiated and conducted emissions. The test results are contained in this test report and Audix Technology (Shenzhen) Co., Ltd. is assumed full responsibility for the accuracy and completeness of tests. Also, this report shows that EUT is technically compliant with FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

Date of Test: Jun.17~ Jul.02, 2009

Prepared by:

Daisy Ye

Daisy Ye / Assistant

Reviewer:

Richzy Zhong

Richzy Zhong / Assistant Manager

Approved & Authorized
Signer:



Ken Lu / Manager

1. SUMMARY OF STANDARDS AND RESULTS

1.1. Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below.

EMISSION			
Description of Test Item	Standard	Limits	Results
Power Line Conducted Emission Test	FCC Part 15: 2008 ANSI C63.4: 2003 CISPR 22: 1997	Class B	PASS
Radiated Emission Test	FCC Part 15: 2008 ANSI C63.4: 2003 CISPR 22: 1997	Class B	PASS

2. GENERAL INFORMATION

2.1. Description of Device (EUT)

Description : XENYX Mixer

Model Number : X2442USB; 1204USB ; X1204USB; X1222USB; X1622USB;
X1832USB; X2222USB
The model name and construction dimension are different

Test model : X2442USB; 1204USB; X1204USB; X1222USB; X1622USB;
X1832USB; X2222USB

FCC ID : XJVF09130

Applicant : BEHRINGER MACAO COMMERCIAL OFFSHORE LIMITED
Rua de Pequim, No 202-A Macau Finance Centre 9/J, MACAU

Manufacturer : Zhongshan Eurotec Electronics Ltd
Eurotec Industrial Park, #1 Junjing Road, Min Zhong Town,
Zhongshan, Guangdong, China

Power Cord : Unshielded, Detachable, 1.7m

Date of Test : Jun.17~Jul.02, 2009

Date of Receipt : Jun.16, 2009

Sample Type : Prototype production

2.2. Tested Supporting System Details

2.2.1. PC

EMC CODE : Test PC O

M/N : Studio 540

S/N : H14XK2X

Manufacturer : DELL

Power cord : Unshielded, Detachable, 1.8m

FCC ID : By DoC

BSMI ID : R33002

Display Card : HD3650
(Display port+DVI+HDMI)

2.2.2. Monitor

EMC CODE	:	ACS-EMC-LM03R
M/N	:	1907FPt
S/N	:	CN-009759-71618-6AP-ACPP
Manufacturer	:	DELL
Data Cable (VGA)	:	Shielded, Detachable, 2.0m
Data Cable (DVI)	:	Shielded, Detachable, 2.0m
Power Cord	:	Unshielded, Detachable, 1.8m
FCC ID	:	By DoC
BSMI ID	:	R3A002

2.2.3. USB Keyboard

EMC CODE	:	ACS-EMC-K03R
M/N	:	SK-2865
S/N	:	B3C770GCPNY010
Manufacturer	:	COMPAQ
Data Cable	:	Shielded, Undetachable, 1.8m
FCC ID	:	By DoC
BSMI ID	:	3892A092

2.2.4. PRINTER

EMC CODE	:	ACS-EMC-PT04
M/N	:	C9079A
Manufacturer	:	HP
USB Cable	:	Shielded, Detachable, 1.8m
Power Cord	:	Unshielded, Detachable, 1.8m
FCC ID	:	By DoC
BSMI ID	:	R33001
Power Adaptor	:	Manufacturer: HP
		M/N: 0957-2119
		BSMI ID: R33030
		DC Cable: Unshielded, Detachable, 1.5m

2.2.5. USB MOUSE

EMC CODE	:	ACS-EMC-M03R
M/N	:	M056UO
S/N	:	512023253
Manufacturer	:	Dell
Data Cable	:	Shielded, Undetachable, 1.8m
FCC ID	:	By DoC
BSMI ID	:	R41108

2.2.6.HDD

EMC CODE	:	ACS-EMC-HDD03
M/N	:	F12-UF
S/N	:	A0100215-5390031
Manufacturer	:	Terasys
Data Cable	:	Shielded, Detachable, 1.8m
FCC ID	:	By DoC
BSMI ID	:	4912A022

2.2.7.HEADPHONE #1

EMC CODE	:	ACS-EMC-EP01
M/N	:	OV880V
Manufacturer	:	OVANN

2.2.8.HEADPHONE #2

EMC CODE	:	ACS-EMC-EP02
M/N	:	OV880V
Manufacturer	:	OVANN

2.2.9.Cable Tester

M/N	:	CT100
Manufacturer	:	BEHRINGER

2.2.10.Cables

USB Cable	:	Shielded, Detachable, 1.9m (With one core)
Input-Line In	:	Shielded, Detachable, 1.0m (Dummy Load 40 Ω)
Input-Aux Returns	:	Shielded, Detachable, 1.0m (Dummy Load 40 Ω)
Output-Phone	:	Shielded, Detachable, 1.0m
Output-Mains Outputs	:	Shielded, Detachable, 1.0m (Dummy Load 10k Ω)
Output-Aux Sends	:	Shielded, Detachable, 1.0m (Dummy Load 10k Ω)
Output-CTRL Out, Fx Out, Sub Outputs	:	Shielded, Detachable, 1.0m (Dummy Load 10k Ω)

2.3. Test Facility

Site Description

Name of Firm	:	Audix Technology (Shenzhen) Co., Ltd. No. 6, Ke Feng Rd., 52 Block, Shenzhen Science & Industrial Park, Nantou, Shenzhen, Guangdong, China
3m Anechoic Chamber	:	Mar. 31, 2009 File on Federal Communication Commission Registration Number: 90454
3m & 10m Anechoic Chamber	:	Jan. 31, 2007 File on Federal Communication Commission Registration Number: 794232
EMC Lab.	:	Accredited by DATech, German Registration Number: DAT-P-091/99-01 Feb. 02, 2009 Accredited by NVLAP, USA NVLAP Code: 200372-0 Apr. 01, 2009

2.4. Measurement Uncertainty (95% confidence levels, k=2)

Test Item	Uncertainty
Uncertainty for Conduction emission test in No. 1 Conduction	2.40dB
Uncertainty for Radiation Emission test in 10m chamber	4.04 dB (Distance: 10m Polarize: V)
	4.02 dB (Distance: 10m Polarize: H)
Uncertainty for test site temperature and humidity	0.6°C
	3%

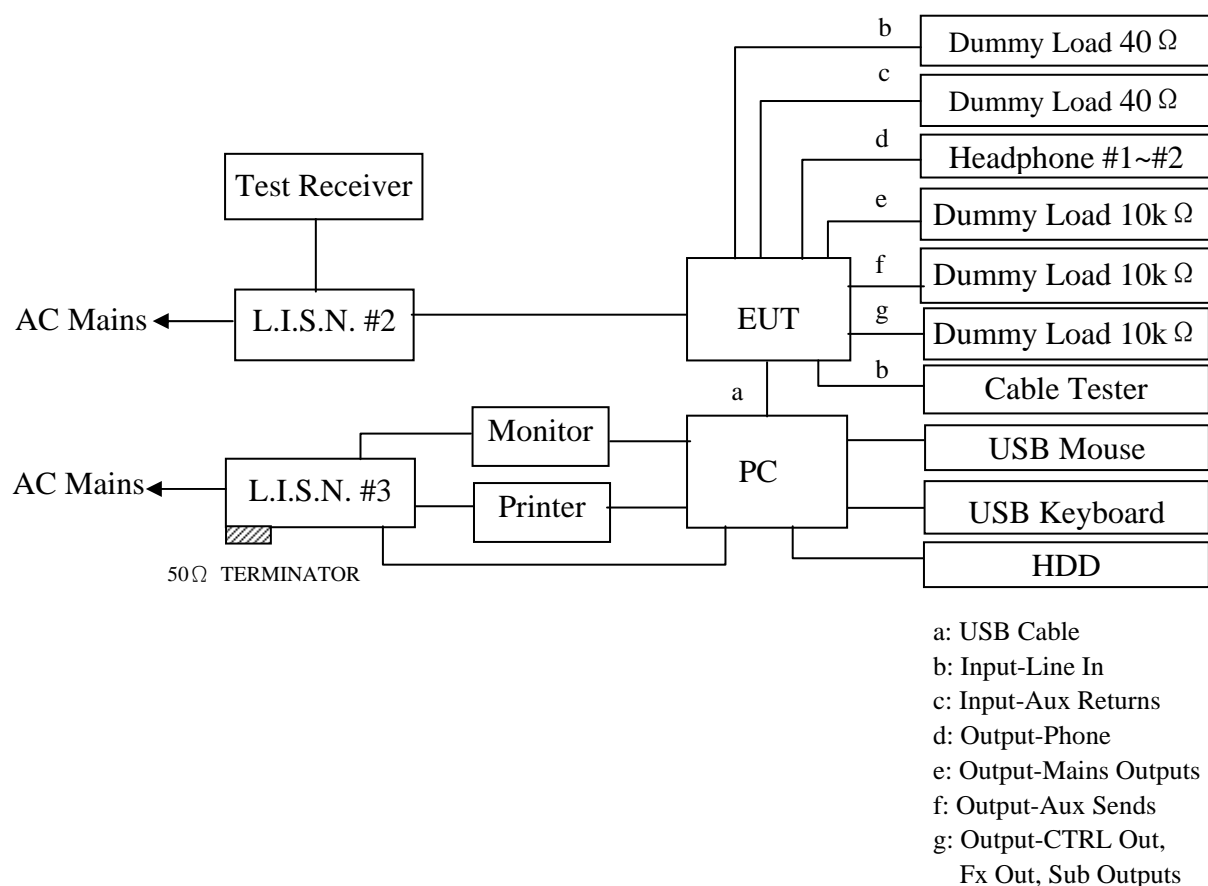
3. POWER LINE CONDUCTED EMISSION TEST

3.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde & Schwarz	ESHS10	838693/001	Jan.10, 09	1 Year
2.	L.I.S.N.#2	Kyoritsu	KNW-407	8-1636-1	May.08, 09	1 Year
3.	L.I.S.N.#3	Kyoritsu	KNW-242C	8-1920-1	May.08, 09	1 Year
4.	Terminator	Hubersuhner	50Ω	No. 1	May.08, 09	1 Year
5.	RF Cable	Fujikura	3D-2W	LISN Cable 1#	May.08, 09	1 Year
6.	Coaxial Switch	Anritsu	MP59B	M55367	May.08, 09	1 Year
7.	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100341	May.08, 09	1 Year

3.2. Block Diagram of Test Setup

3.2.1. Block diagram of connection between the EUT and simulators



(EUT: XENYX Mixer)

3.3.Power Line Conducted Emission Test Limits

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level dB(μ V)	Average Level dB(μ V)
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*
500kHz ~ 5MHz	56	46
5MHz ~ 30MHz	60	50

Notes: 1. * Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.

3.4.Configuration of EUT on Test

The following equipment are installed on Power Line Conducted Emission Test to meet the commission requirement and operating regulations in a manner which tends to maximize its emission characteristics in a normal application.

3.4.1.XENYX Mixer (EUT)

Model Number : X2442USB; 1204USB

Serial Number : N/A

3.4.2.Support Equipment : As Tested Supporting System Detail, in Section 2.2.

3.5.Operating Condition of EUT

3.5.1.Setup the EUT and simulator as shown as Section 3.2.

3.5.2.Turn on the power of all equipment.

3.5.3.Let the EUT work in test mode (1kHz Signal Input and Recording) and measure it.

3.6.Test Procedure

The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT Power connected to the power mains through a line impedance stabilization network (L.I.S.N. 2#). This provided a 50-ohm coupling impedance for the EUT (Please refer to the block diagram of the test setup and photographs). The other peripheral devices power cord connected to the power mains through a line impedance stabilization network (L.I.S.N.#3). Both sides of power line were checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.4-2003 on conducted Emission test.

The bandwidth of test receiver (R&S TEST RECEIVER ESHS10) is set at 10kHz.

The frequency range from 150kHz to 30MHz is checked. The test result are reported on Section 3.7.

3.7. Conducted Disturbance at Mains Terminals Test Results

PASS. (All emissions not reported below are too low against the prescribed limits.)

The EUT with the following test modes were tested and selected (mode 1~2) to read Q.P values and Average values, all the test results are listed in next pages.

EUT: XENYX Mixer

Model No. : X2442USB; 1204USB

Test Date: Jun.17~29, 2009

Temperature: 23℃

Humidity: 54%

The details of test modes are as follows :

NO.	M/N	Test Mode	Reference Test Data No.	
			VA	VB
1.	X2442USB	1kHz Signal Input and Recording	#7	#8
2. ※	1204USB		#6	#5

(※ Worst test mode)

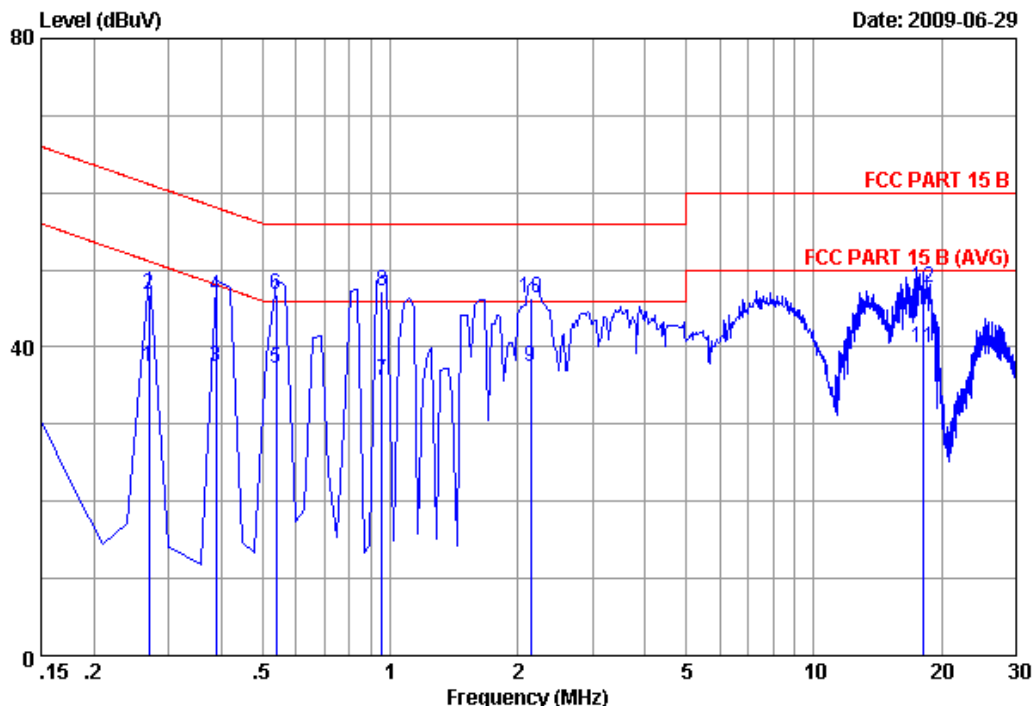


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Data: 7

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Date: 2009-06-29



Site no :Audix No.1 Conduction Data no :7
Dis./Ant. : ** 2009 KNW407 VA
Limit :FCC PART 15 B
Env./Ins. :Temp:23'C Humi:54% Engineer :Jolly_Xu
EUT :XENYX Mixer M/N:X2442USB
Power Rating :AC 120V/60Hz
Test Mode :1kHz Signal Input And Recording

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.26940	0.40	9.88	27.11	37.39	51.14	13.75	Average
2	0.26940	0.40	9.88	36.45	46.73	61.14	14.41	QP
3	0.38880	0.35	9.89	27.20	37.44	48.09	10.65	Average
4	0.38880	0.35	9.89	36.38	46.62	58.09	11.47	QP
5	0.53805	0.34	9.89	26.90	37.13	46.00	8.87	Average
6	0.53805	0.34	9.89	36.62	46.85	56.00	9.15	QP
7	0.95595	0.33	9.89	25.40	35.62	46.00	10.38	Average
8	0.95595	0.33	9.89	37.09	47.31	56.00	8.69	QP
9	2.150	0.36	9.90	27.10	37.36	46.00	8.64	Average
10	2.150	0.36	9.90	36.01	46.27	56.00	9.73	QP
11	18.150	0.56	10.00	29.30	39.86	50.00	10.14	Average
12	18.150	0.56	10.00	37.13	47.69	60.00	12.31	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit)+Reading
2.If the average limit is met when using a quasi-peak detector.
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.

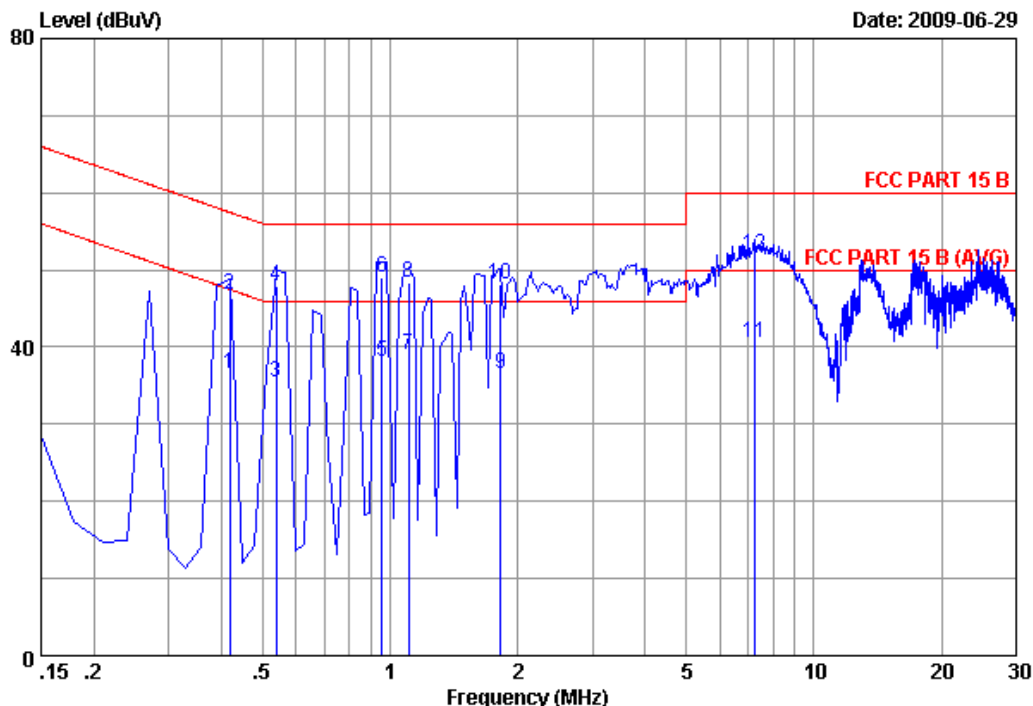


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Data: 8

File: D:\DATA\2009 Report\B\BEHRINGER\ACS9Q865.EM6 (8)

Date: 2009-06-29



Site no :Audix No.1 Conduction Data no :8
Dis./Ant. : ** 2009 KNW407 VB
Limit :FCC PART 15 B
Env./Ins. :Temp:23'C Humi:54% Engineer :Jolly_Xu
EUT :XENYX Mixer M/N:X2442USB
Power Rating :AC 120V/60Hz
Test Mode :1kHz Signal Input And Recording

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.41865	0.36	9.89	26.30	36.55	47.47	10.92	Average
2	0.41865	0.36	9.89	36.63	46.88	57.47	10.59	QP
3	0.53805	0.35	9.89	25.20	35.44	46.00	10.56	Average
4	0.53805	0.35	9.89	37.57	47.81	56.00	8.19	QP
5	0.95595	0.35	9.89	27.90	38.14	46.00	7.86	Average
6	0.95595	0.35	9.89	38.89	49.13	56.00	6.87	QP
7	1.105	0.35	9.89	28.70	38.94	46.00	7.06	Average
8	1.105	0.35	9.89	38.16	48.40	56.00	7.60	QP
9	1.822	0.36	9.89	26.40	36.65	46.00	9.35	Average
10	1.822	0.36	9.89	37.80	48.05	56.00	7.95	QP
11	7.224	0.41	9.93	30.20	40.54	50.00	9.46	Average
12	7.224	0.41	9.93	41.48	51.82	60.00	8.18	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit)+Reading
2.If the average limit is met when using a quasi-peak detector.
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.

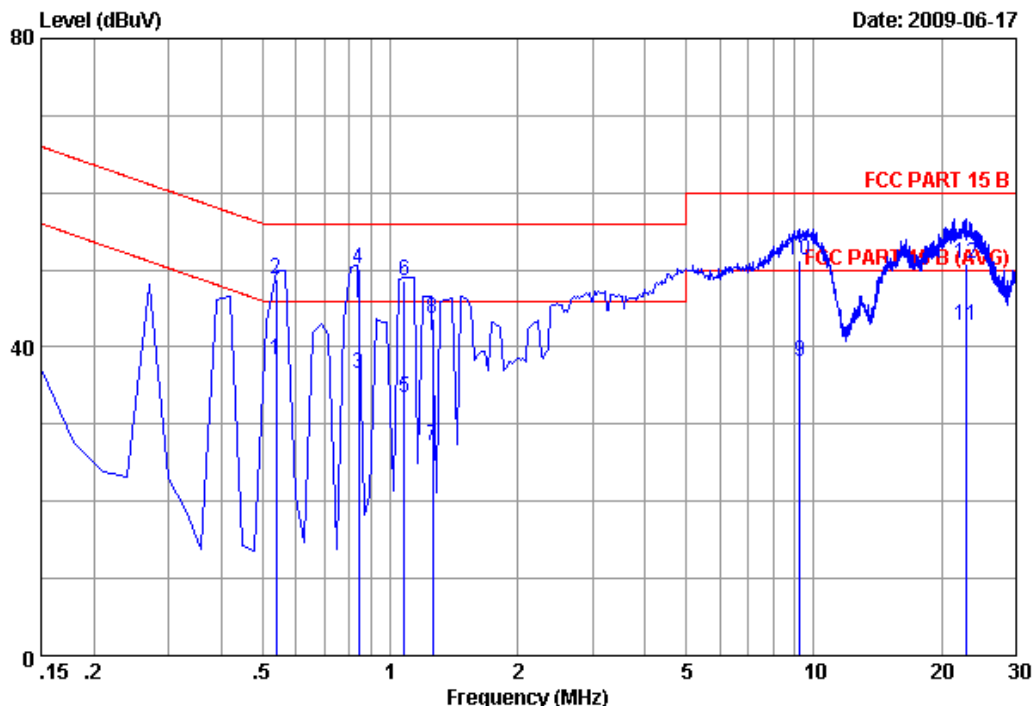


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Data: 6

File: D:\DATA\2009 Report\B\BEHRINGER\1204USB.EM6 (8)

Date: 2009-06-17



Site no :Audix No.1 Conduction Data no :6
Dis./Ant. : ** 2009 KNW407 VA
Limit :FCC PART 15 B
Env./Ins. :Temp:23'C Humi:54% Engineer :Jolly_Xu
EUT :XENYX Mixer M/N:1204USB
Power Rating :AC 120V/60Hz
Test Mode :1kHz Signal Input And Recording

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.53805	0.34	9.89	28.18	38.41	46.00	7.59	Average
2	0.53805	0.34	9.89	38.55	48.78	56.00	7.22	QP
3	0.84163	0.34	9.89	26.32	36.55	46.00	9.45	Average
4	0.84163	0.34	9.89	39.98	50.21	56.00	5.79	QP
5	1.080	0.33	9.89	23.12	33.34	46.00	12.66	Average
6	1.080	0.33	9.89	38.40	48.62	56.00	7.38	QP
7	1.260	0.34	9.89	16.93	27.16	46.00	18.84	Average
8	1.260	0.34	9.89	33.36	43.59	56.00	12.41	QP
9	9.276	0.42	9.94	27.80	38.16	50.00	11.84	Average
10	9.276	0.42	9.94	40.99	51.35	60.00	8.65	QP
11	22.960	0.61	10.04	32.23	42.88	50.00	7.12	Average
12	22.960	0.61	10.04	40.23	50.88	60.00	9.12	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit)+Reading
2.If the average limit is met when using a quasi-peak detector.
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.

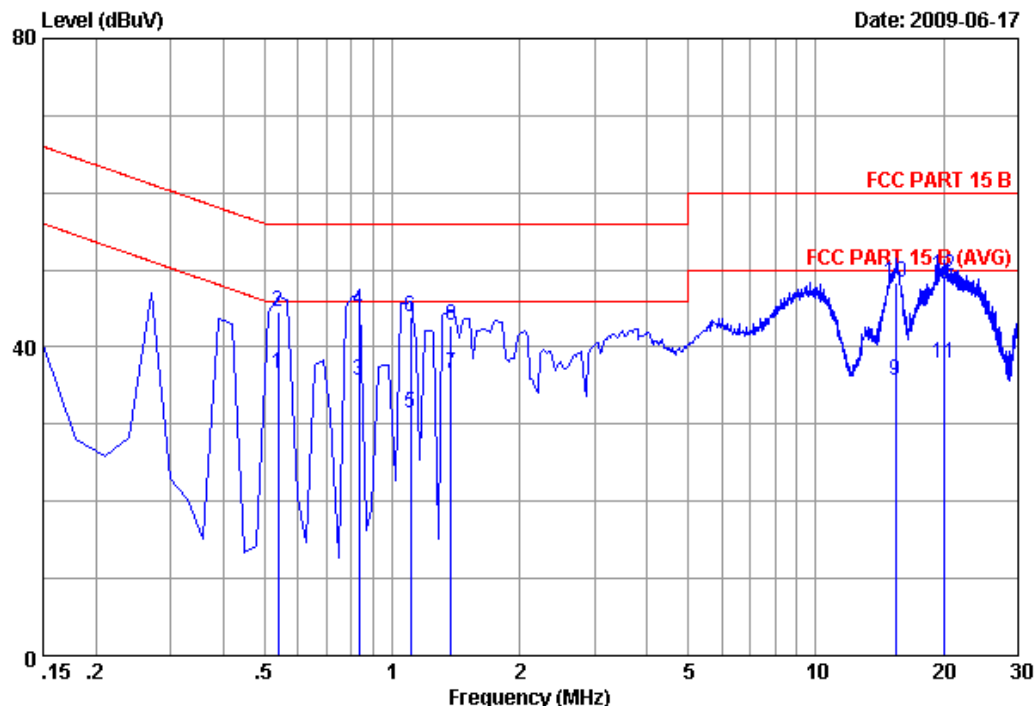


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Data: 5

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Date: 2009-06-17



Site no :Audix No.1 Conduction Data no :5
Dis./Ant. :** 2009 KNW407 VB
Limit :FCC PART 15 B
Env./Ins. :Temp:23'C Humi:54% Engineer :Jolly_Xu
EUT :XENYX Mixer M/N:1204USB
Power Rating :AC 120V/60Hz
Test Mode :1kHz Signal Input And Recording

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.53805	0.35	9.89	26.30	36.54	46.00	9.46	Average
2	0.53805	0.35	9.89	34.33	44.57	56.00	11.43	QP
3	0.83655	0.35	9.89	25.40	35.64	46.00	10.36	Average
4	0.83655	0.35	9.89	34.55	44.79	56.00	11.21	QP
5	1.105	0.35	9.89	21.10	31.34	46.00	14.66	Average
6	1.105	0.35	9.89	33.67	43.91	56.00	12.09	QP
7	1.374	0.35	9.89	26.41	36.65	46.00	9.35	Average
8	1.374	0.35	9.89	32.45	42.69	56.00	13.31	QP
9	15.433	0.49	9.97	25.20	35.66	50.00	14.34	Average
10	15.433	0.49	9.97	37.95	48.41	60.00	11.59	QP
11	20.090	0.57	10.01	27.30	37.88	50.00	12.12	Average
12	20.090	0.57	10.01	38.77	49.35	60.00	10.65	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit)+Reading
2.If the average limit is met when using a quasi-peak detector.
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.

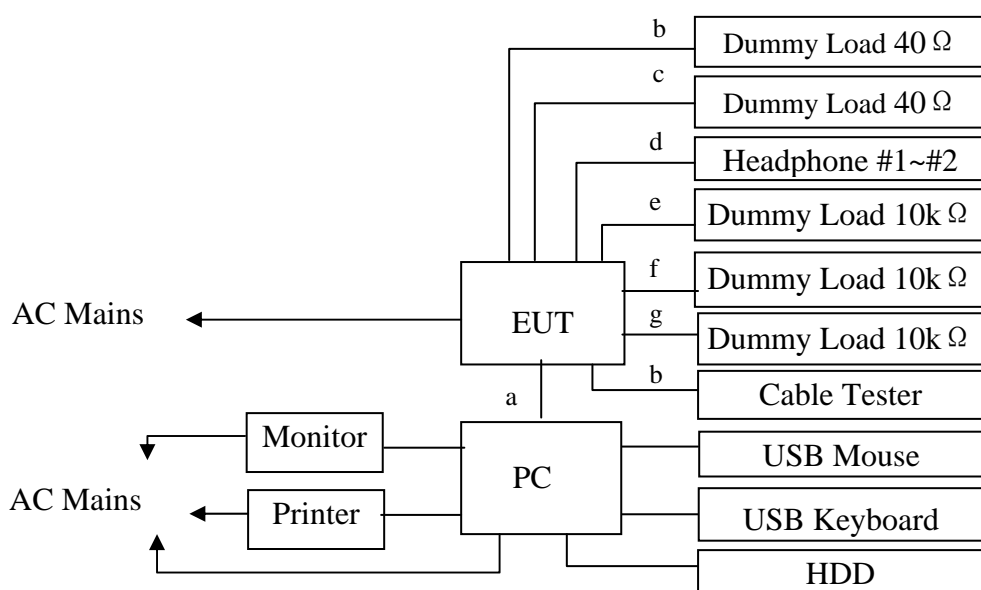
4. RADIATED EMISSION TEST

4.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	10m Chamber	AUDIX	N/A	N/A	Dec.05,08	1 Year
2	EMC Analyzer	Agilent	E7405A	MY42000131	May.08, 09	1 Year
3	EMC Analyzer	Agilent	E7405A	MY45116588	Oct.24,08	1 Year
4	Test Receiver	Rohde & Schwarz	ESCI	100842	Oct 24, 08	1 Year
5	Amplifier	Agilent	8447D	2944A10684	May.08, 09	1 Year
6	Amplifier	Agilent	8447D	2944A07794	May.08, 09	1 Year
7	Bilog Antenna	Schaffner	CBL6112D	25238	Feb.12, 09	1 Year
8	Bilog Antenna	Schaffner	CBL6112D	25237	Feb.12, 09	1 Year
9	RF Cable	MIYAZAKI	8D-FB	10m Chamber No.1	May.08, 09	1 Year
10	RF Cable	MIYAZAKI	8D-FB	10m Chamber No.2	May.08, 09	1 Year
11	Coaxial Switch	Anritsu	MP59B	6200766906	May.08, 09	1 Year
12	Coaxial Switch	Anritsu	MP59B	6200766907	May.08, 09	1 Year
13	Coaxial Switch	Anritsu	MP59B	M74389	May.08, 09	1 Year

4.2. Block Diagram of Test Setup

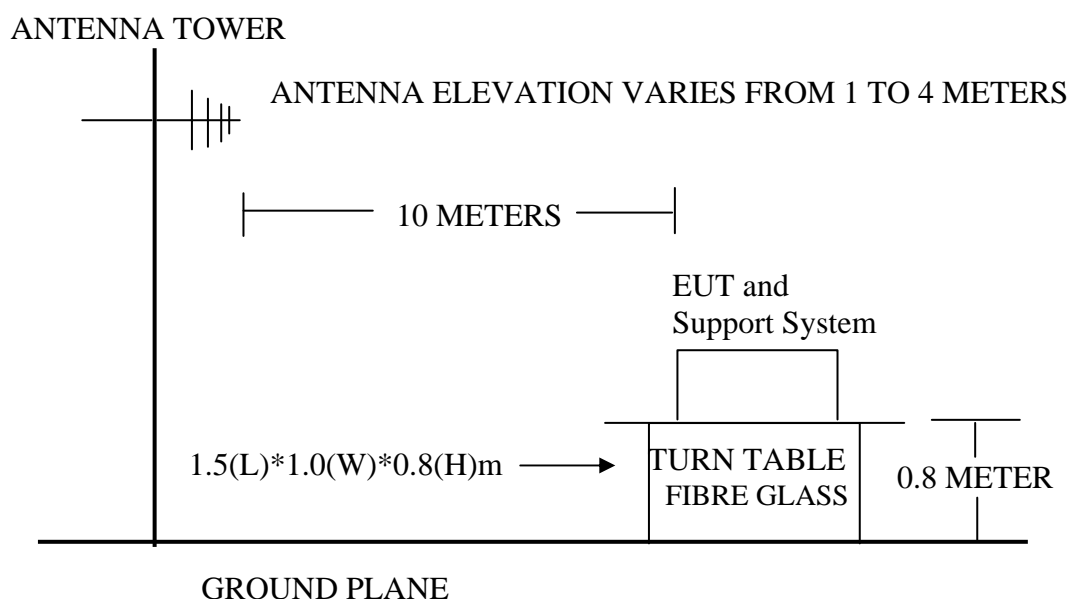
4.2.1. Block diagram of connection between the EUT and simulators



a: USB Cable
b: Input-Line In
c: Input-Aux Returns
d: Output-Phone
e: Output-Mains Outputs
f: Output-Aux Sends
g: Output-CTRL Out,
Fx Out, Sub Outputs

(EUT: XENYX Mixer)

4.2.2. In Anechoic (10m) Chamber Test Setup Diagram for 30MHz~1000MHz



4.3. Radiated Emission Limit

FREQUENCY (MHz)	DISTANCE (Meters)	FIELD STRENGTHS LIMITS (dB μ V/m)
30 ~ 230	10	30
230 ~ 1000	10	37

- Remark :
- (1) Emission level dB μ V = 20 log Emission level μ V/m
 - (2) The smaller limit shall apply at the cross point between two frequency bands.
 - (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system

4.4. EUT Configuration on Test

The following equipment are installed on Radiated Emission Test to meet the commission requirements and operating regulations in a manner that tends to maximize its emission characteristics in normal application.

4.4.1. XENYX Mixer (EUT)

Model Number : X2442USB; 1204USB; X1204USB; X1222USB;
X1622USB; X1832USB; X2222USB

Serial Number : N/A

4.5. Operating Condition of EUT

- 4.5.1. Setup the EUT as shown in Section 4.2.
- 4.5.2. Turn on the power of all equipment.
- 4.5.3. Let the EUT work in test mode (1kHz Signal Input and Recording) and test it.

4.6. Test Procedure

The EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber. An antenna was located 10m from the EUT on an adjustable mast. A pre-scan was first performed in order to find prominent radiated emissions. For final emissions measurements at each frequency of interest, the EUT were rotated and the antenna height was varied between 1m and 4m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.4-2003 on Radiated Emission test.

The bandwidth setting on the test receiver (R&S TEST RECEIVER ESCI) is 120 kHz.

The frequency range from 30MHz to 1000MHz is checked. The test results are reported on Section 4.7.

4.7. Radiated Disturbance Test Results

PASS. (All emissions not reported below are too low against the prescribed limits.)

The EUT with the following test modes were tested and selected (mode 1~7) to read Q.P values, all the test results are listed in next pages.

EUT: XENYX Mixer

Model No. : X2442USB; 1204USB; X1204USB; X1222USB; X1622USB;
X1832USB; X2222USB

Test Date: Jul.02, 2009

Temperature: 24℃

Humidity: 56%

The details of test modes are as follows :

NO.	M/N	Test Mode	Reference Test Data No.	
			Horizontal	Vertical
1.	X2442USB	1kHz Signal Input and Recording	#4	#3
2.	1204USB		#26	#25
3.	X1204USB		#24	#23
4.	X1222USB		#18	#17
5.	X1622USB		#16	#15
6.	X1832USB		#10	#9
7. ※	X2222USB		#8	#7

(※ Worst test mode)

For above 1GHz frequency

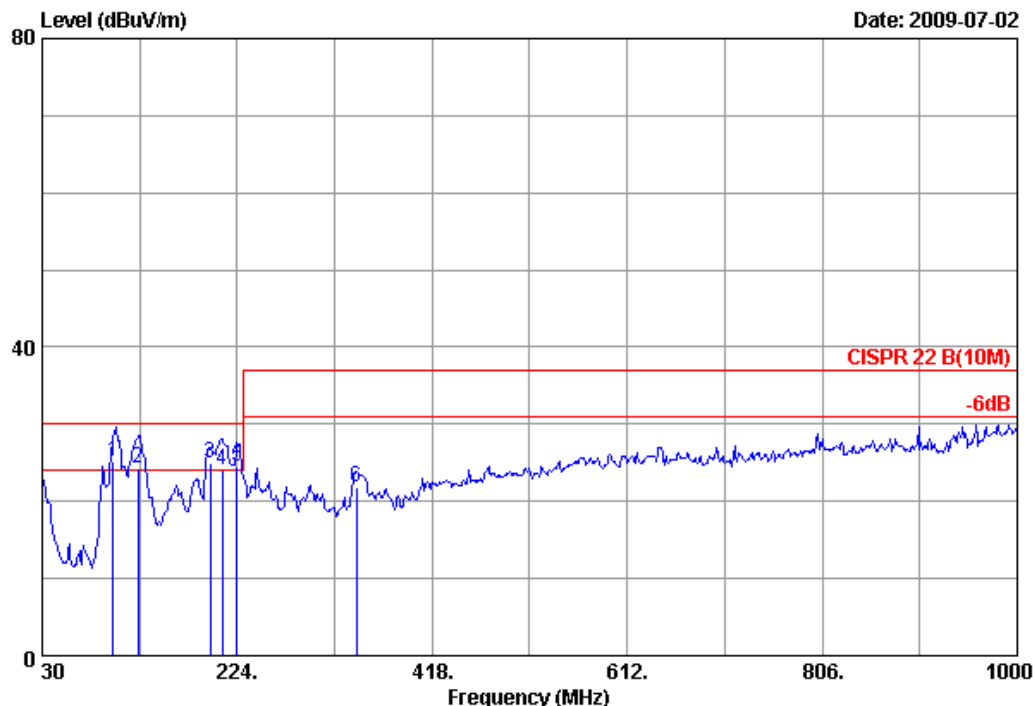
Due to the EUT's highest frequency generated and the highest frequency below 108MHz , therefore the above 1GHz frequency is no need to measurement.



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Date: 2009-07-02



Site no. : 10m Chamber Test Site Data no. : 4
Dis. / Ant. : 10m 2009 CBL6112D 25237 Ant. pol. : HORIZONTAL
Limit : CISPR 22 B(10M)
Env. / Ins. : 24°C/56% Engineer : Chris
EUT : XENYX Mixer M/N:X2442USB
Power Rating : AC 120V/60Hz
Test Mode : 1kHz Signal Input and Recording

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	100.810	10.38	1.10	13.75	25.23	30.00	4.77	QP
2	125.060	12.07	1.22	11.03	24.32	30.00	5.68	QP
3	196.840	8.75	1.59	14.65	24.99	30.00	5.01	QP
4	209.450	8.66	1.65	13.80	24.11	30.00	5.89	QP
5	224.000	8.86	1.73	13.96	24.55	30.00	5.45	QP
6	342.340	13.36	2.36	6.20	21.92	37.00	15.08	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

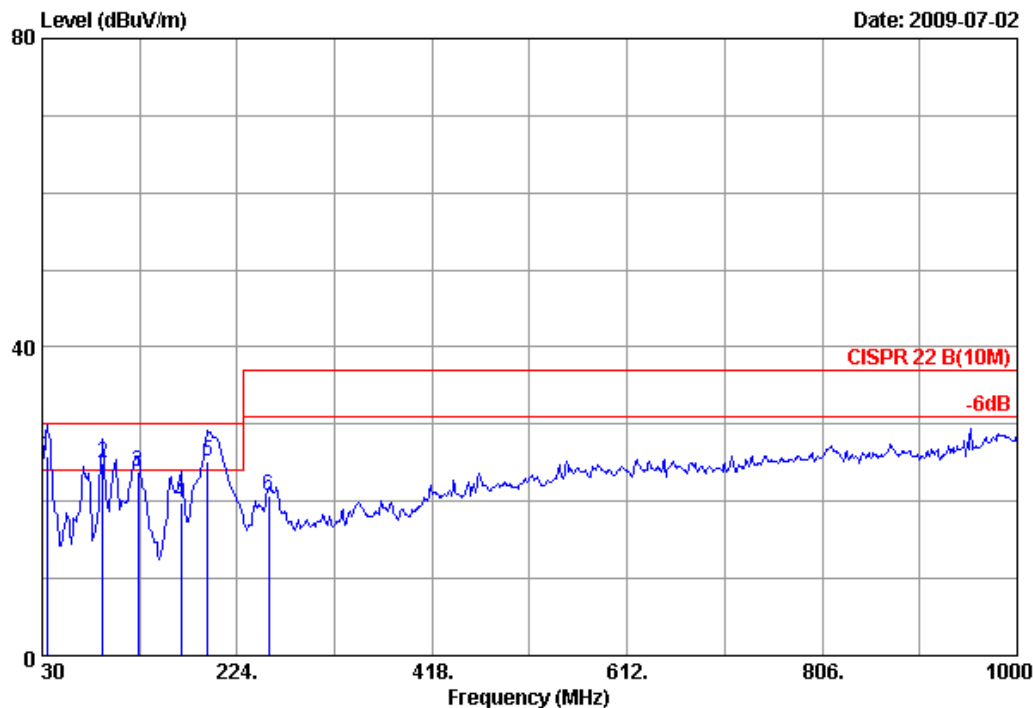


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Date: 2009-07-02



Site no. : 10m Chamber Test Site Data no. : 3
Dis. / Ant. : 10m 2009 CBL6112D 25238 Ant. pol. : VERTICAL
Limit : CISPR 22 B(10M)
Env. / Ins. : 24°C/56% Engineer : Chris
EUT : XENYX Mixer M/N:X2442USB
Power Rating : AC 120V/60Hz
Test Mode : 1kHz Signal Input and Recording

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	34.850	16.55	0.84	8.43	25.82	30.00	4.18	QP
2	90.140	8.92	1.40	14.69	25.01	30.00	4.99	QP
3	125.060	12.07	1.66	10.20	23.93	30.00	6.07	QP
4	167.740	9.55	1.97	8.36	19.88	30.00	10.12	QP
5	194.900	8.56	2.18	14.43	25.17	30.00	4.83	QP
6	255.040	12.56	2.51	5.72	20.79	37.00	16.21	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

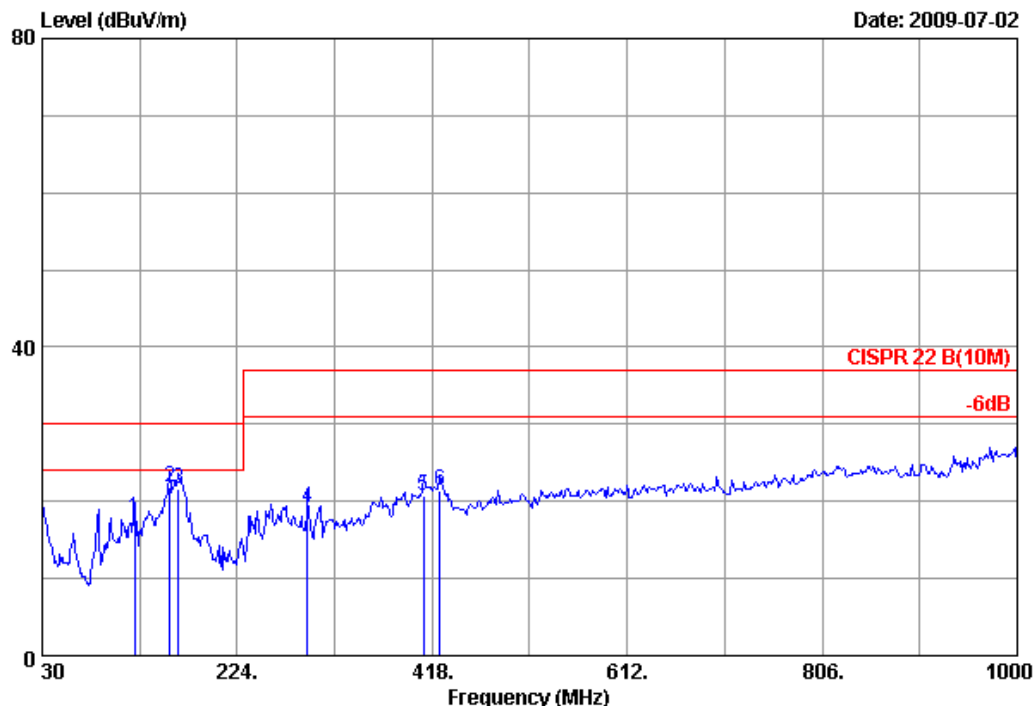


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Date: 2009-07-02



Site no. : 10m Chamber Test Site Data no. : 26
Dis. / Ant. : 10m 2009 CBL6112D 25237 Ant. pol. : HORIZONTAL
Limit : CISPR 22 B(10M)
Env. / Ins. : 24°C/56% Engineer : Chris
EUT : XENYX Mixer M/N: 1204USB
Power Rating : AC 120V/60Hz
Test Mode : 1kHz Signal Input and Recording

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	122.150	11.96	1.64	4.13	17.73	30.00	12.27	QP
2	157.070	9.35	1.89	10.58	21.82	30.00	8.18	QP
3	165.800	9.40	1.96	10.21	21.57	30.00	8.43	QP
4	293.840	12.37	2.75	4.03	19.15	37.00	17.85	QP
5	409.270	15.79	3.38	1.52	20.69	37.00	16.31	QP
6	425.760	16.26	3.47	1.64	21.37	37.00	15.63	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

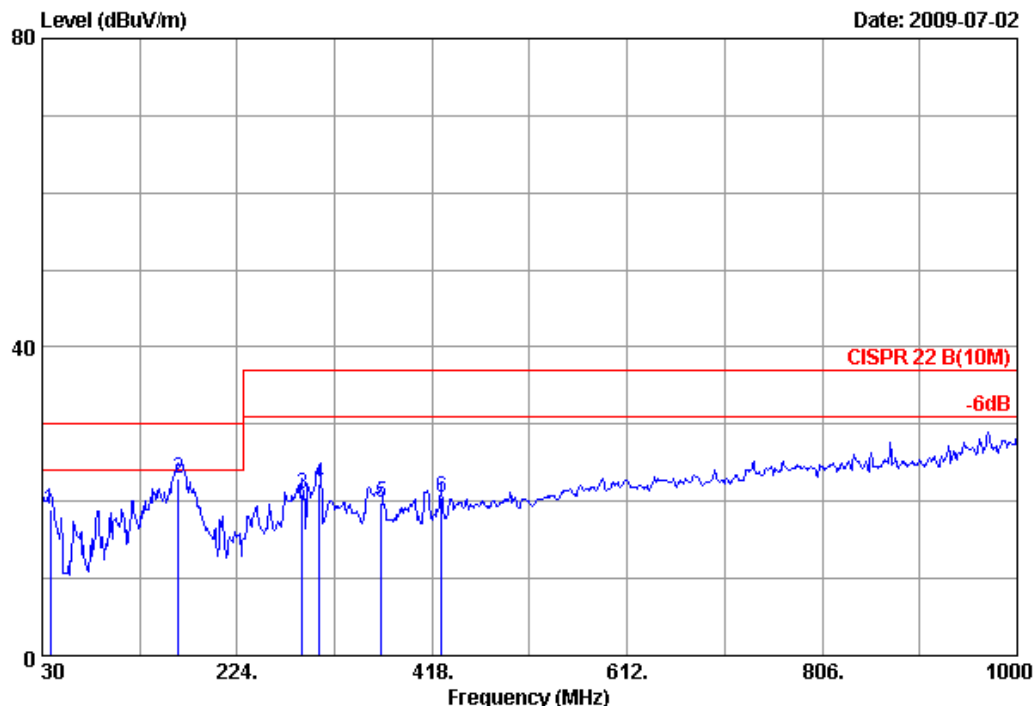


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Date: 2009-07-02



Site no. : 10m Chamber Test Site Data no. : 25
Dis. / Ant. : 10m 2009 CBL6112D 25238 Ant. pol. : VERTICAL
Limit : CISPR 22 B(10M)
Env. / Ins. : 24°C/56% Engineer : Chris
EUT : XENYX Mixer M/N: 1204USB
Power Rating : AC 120V/60Hz
Test Mode : 1kHz Signal Input and Recording

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	37.760	14.23	0.88	3.88	18.99	30.00	11.01	QP
2	165.800	9.40	1.96	11.53	22.89	30.00	7.11	QP
3	288.990	12.30	2.72	5.92	20.94	37.00	16.06	QP
4	305.480	13.11	2.82	6.38	22.31	37.00	14.69	QP
5	367.560	14.06	3.16	2.61	19.83	37.00	17.17	QP
6	427.700	16.27	3.48	0.64	20.39	37.00	16.61	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

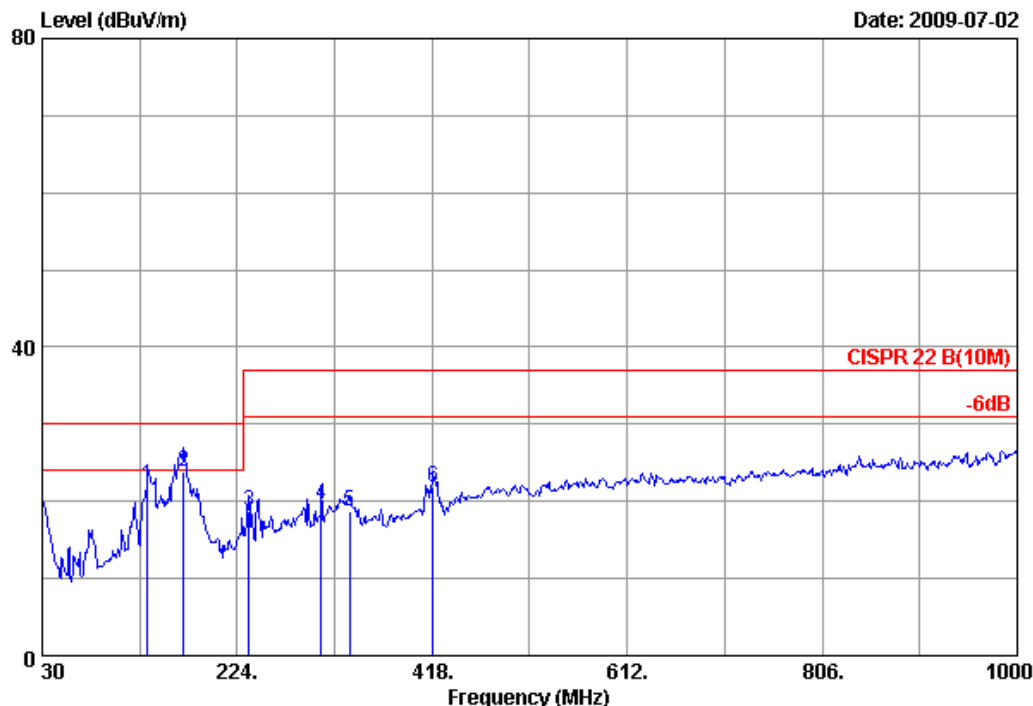


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Date: 2009-07-02



Site no. : 10m Chamber Test Site Data no. : 24
Dis. / Ant. : 10m 2009 CBL6112D 25237 Ant. pol. : HORIZONTAL
Limit : CISPR 22 B(10M)
Env. / Ins. : 24°C/56% Engineer : Chris
EUT : XENYX Mixer M/N:X1204USB
Power Rating : AC 120V/60Hz
Test Mode : 1kHz Signal Input and Recording

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	134.760	11.49	1.73	8.93	22.15	30.00	7.85	QP
2	170.650	9.57	2.00	12.35	23.92	30.00	6.08	QP
3	235.640	10.17	2.40	6.06	18.63	37.00	18.37	QP
4	307.420	13.18	2.83	3.51	19.52	37.00	17.48	QP
5	335.550	13.42	2.99	2.27	18.68	37.00	18.32	QP
6	418.970	16.22	3.43	2.16	21.81	37.00	15.19	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

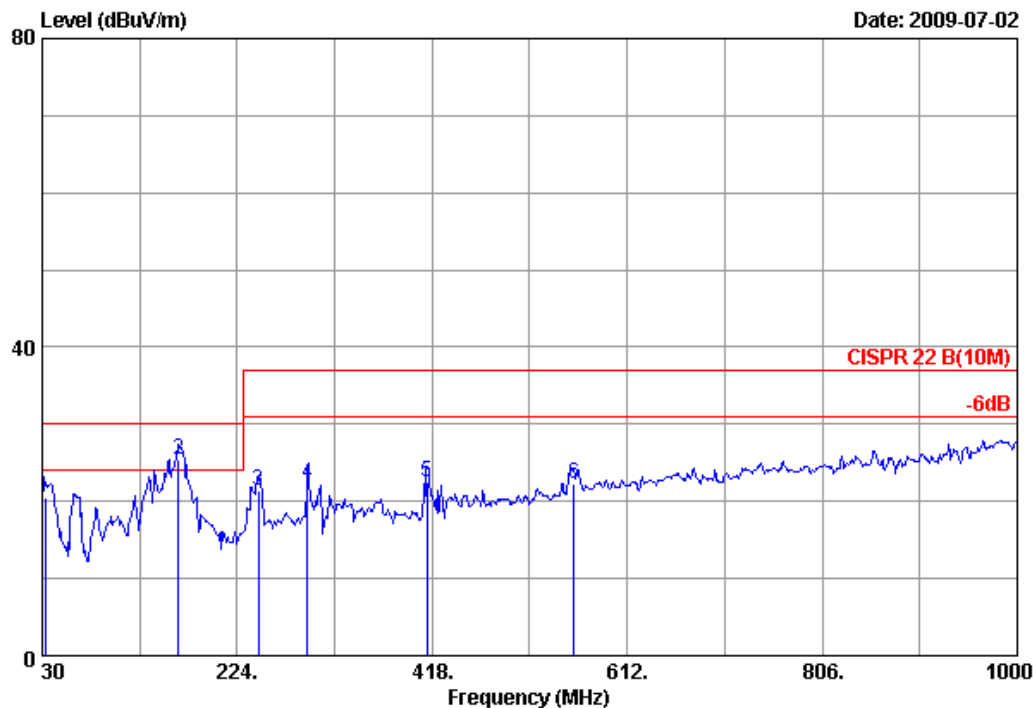


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Site no. : 10m Chamber Test Site Data no. : 23
Dis. / Ant. : 10m 2009 CBL6112D 25238 Ant. pol. : VERTICAL
Limit : CISPR 22 B(10M)
Env. / Ins. : 24°C/56% Engineer : Chris
EUT : XENYX Mixer M/N:X1204USB
Power Rating : AC 120V/60Hz
Test Mode : 1kHz Signal Input and Recording

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	32.910	17.53	0.80	2.19	20.52	30.00	9.48	QP
2	165.800	9.40	1.96	13.97	25.33	30.00	4.67	QP
3	245.340	11.20	2.45	7.70	21.35	37.00	15.65	QP
4	293.840	12.37	2.75	7.26	22.38	37.00	14.62	QP
5	413.150	16.03	3.40	3.03	22.46	37.00	14.54	QP
6	558.650	18.15	4.11	0.00	22.26	37.00	14.74	QP

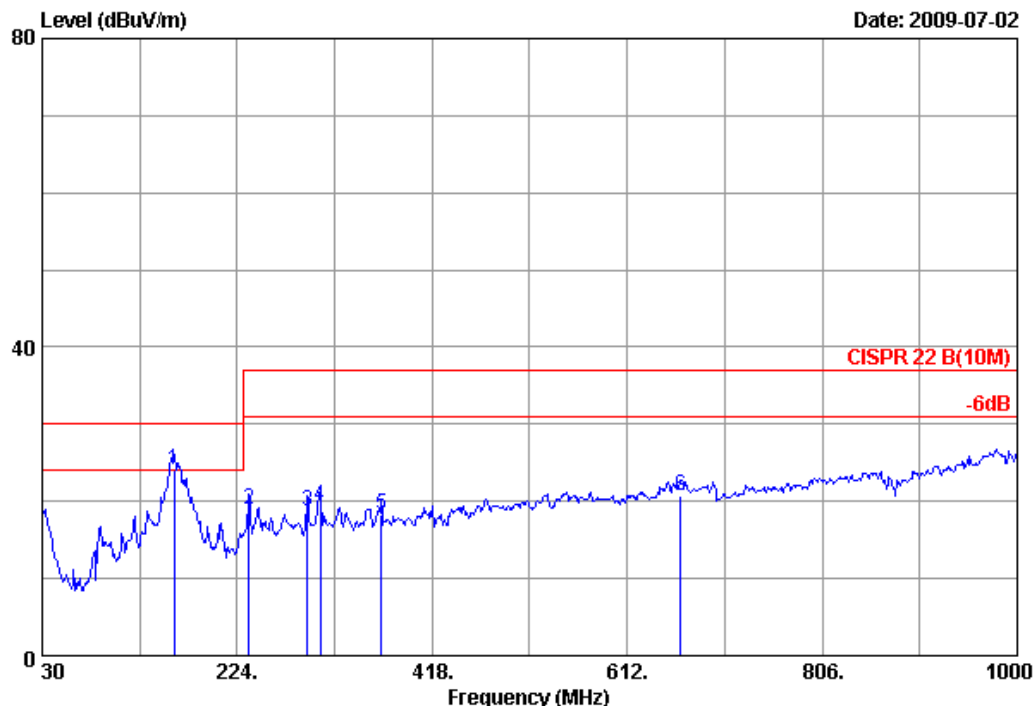
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



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Date: 2009-07-02



Site no. : 10m Chamber Test Site Data no. : 18
Dis. / Ant. : 10m 2009 CBL6112D 25237 Ant. pol. : HORIZONTAL
Limit : CISPR 22 B(10M)
Env. / Ins. : 24°C/56% Engineer : Chris
EUT : XENYX Mixer M/N:X1222USB
Power Rating : AC 120V/60Hz
Test Mode : 1kHz Signal Input and Recording

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	160.950	9.46	1.92	12.73	24.11	30.00	5.89	QP
2	235.640	10.17	2.40	6.44	19.01	37.00	17.99	QP
3	293.840	12.37	2.75	3.55	18.67	37.00	18.33	QP
4	306.450	13.15	2.83	3.43	19.41	37.00	17.59	QP
5	367.560	14.06	3.16	1.01	18.23	37.00	18.77	QP
6	665.350	18.44	4.64	-2.43	20.65	37.00	16.35	QP

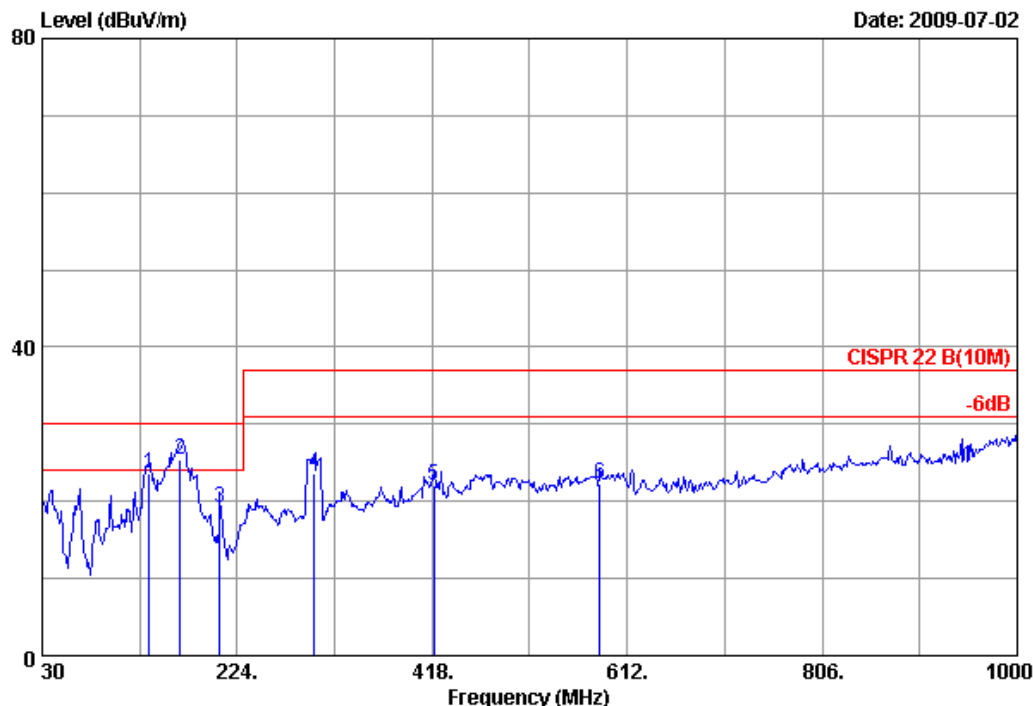
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



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Site no. : 10m Chamber Test Site Data no. : 17
Dis. / Ant. : 10m 2009 CBL6112D 25238 Ant. pol. : VERTICAL
Limit : CISPR 22 B(10M)
Env. / Ins. : 24°C/56% Engineer : Chris
EUT : XENYX Mixer M/N:X1222USB
Power Rating : AC 120V/60Hz
Test Mode : 1kHz Signal Input and Recording

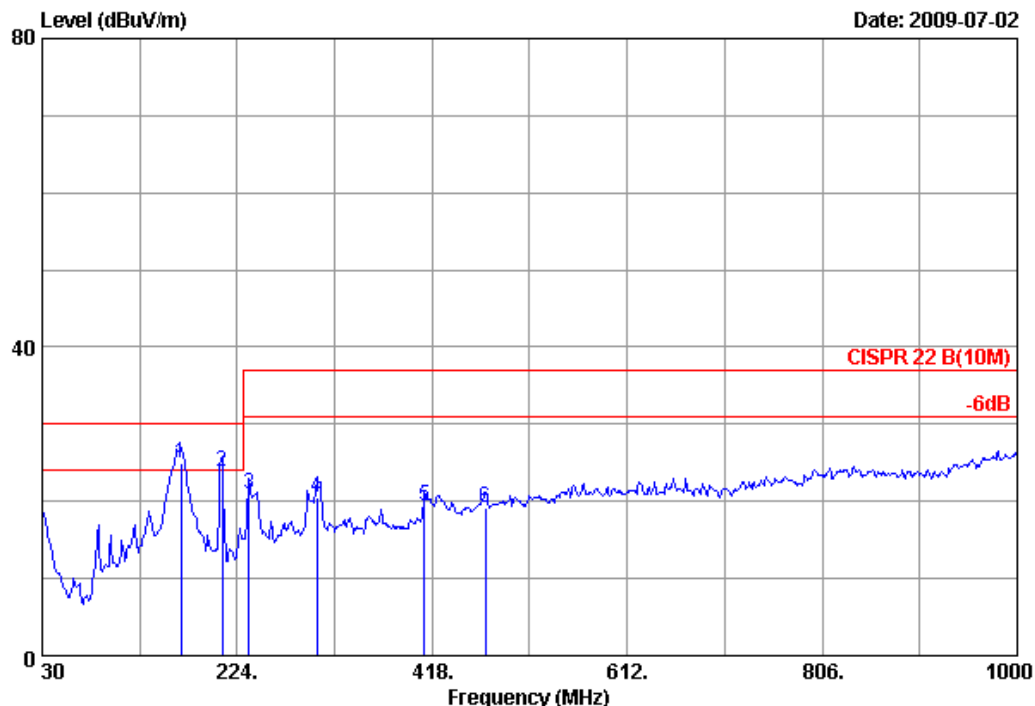
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	136.700	11.20	1.74	10.79	23.73	30.00	6.27	QP
2	167.100	9.48	1.97	13.87	25.32	30.00	4.68	QP
3	206.540	8.84	2.25	8.00	19.09	30.00	10.91	QP
4	300.630	12.94	2.79	7.87	23.60	37.00	13.40	QP
5	419.940	16.25	3.43	2.30	21.98	37.00	15.02	QP
6	584.840	18.01	4.24	0.12	22.37	37.00	14.63	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



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Site no. : 10m Chamber Test Site Data no. : 16
Dis. / Ant. : 10m 2009 CBL6112D 25237 Ant. pol. : HORIZONTAL
Limit : CISPR 22 B(10M)
Env. / Ins. : 24°C/56% Engineer : Chris
EUT : XENYX Mixer M/N:X1622USB
Power Rating : AC 120V/60Hz
Test Mode : 1kHz Signal Input and Recording

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	168.010	9.55	1.98	13.43	24.96	30.00	5.04	QP
2	209.450	8.66	2.27	13.01	23.94	30.00	6.06	QP
3	235.640	10.17	2.40	8.35	20.92	37.00	16.08	QP
4	303.540	13.04	2.81	4.70	20.55	37.00	16.45	QP
5	410.240	15.93	3.39	0.01	19.33	37.00	17.67	QP
6	471.350	16.97	3.69	-1.55	19.11	37.00	17.89	QP

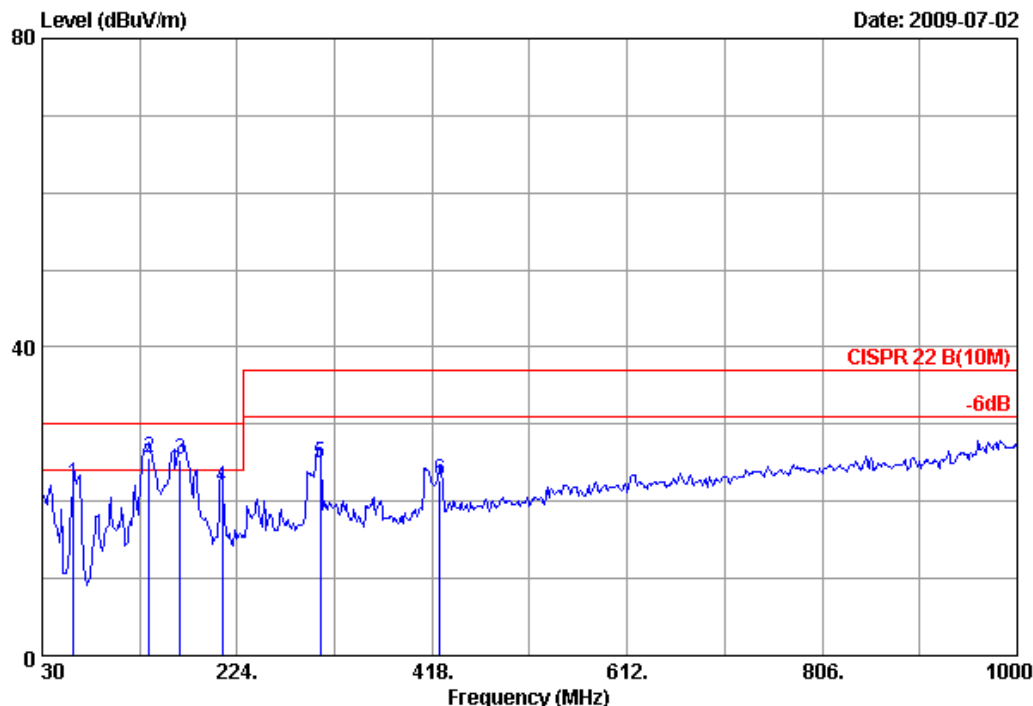
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



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Date: 2009-07-02



Site no. : 10m Chamber Test Site Data no. : 15
Dis. / Ant. : 10m 2009 CBL6112D 25238 Ant. pol. : VERTICAL
Limit : CISPR 22 B(10M)
Env. / Ins. : 24°C/56% Engineer : Chris
EUT : XENYX Mixer M/N:X1622USB
Power Rating : AC 120V/60Hz
Test Mode : 1kHz Signal Input and Recording

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	61.040	6.16	1.16	14.90	22.22	30.00	7.78	QP
2	136.700	11.20	1.74	12.78	25.72	30.00	4.28	QP
3	167.200	9.48	1.97	13.92	25.37	30.00	4.63	QP
4	209.450	8.66	2.27	10.92	21.85	30.00	8.15	QP
5	306.450	13.15	2.83	8.89	24.87	37.00	12.13	QP
6	425.760	16.26	3.47	2.96	22.69	37.00	14.31	QP

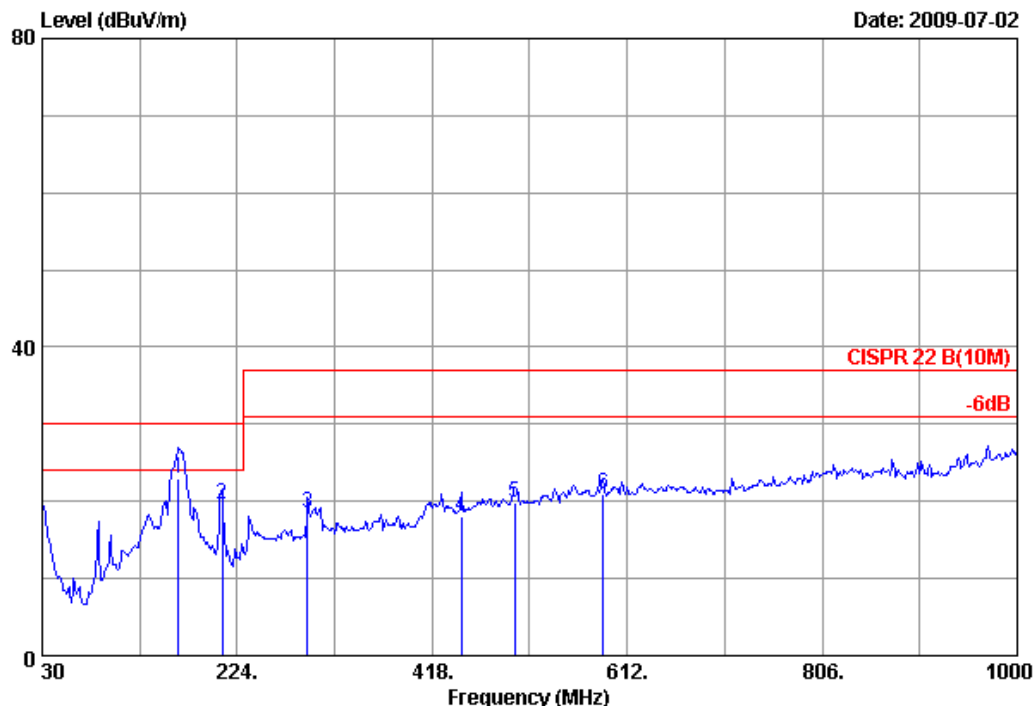
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



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Date: 2009-07-02



Site no. : 10m Chamber Test Site Data no. : 10
Dis. / Ant. : 10m 2009 CBL6112D 25237 Ant. pol. : HORIZONTAL
Limit : CISPR 22 B(10M)
Env. / Ins. : 24°C/56% Engineer : Chris
EUT : XENYX Mixer M/N:X1832USB
Power Rating : AC 120V/60Hz
Test Mode : 1kHz Signal Input and Recording

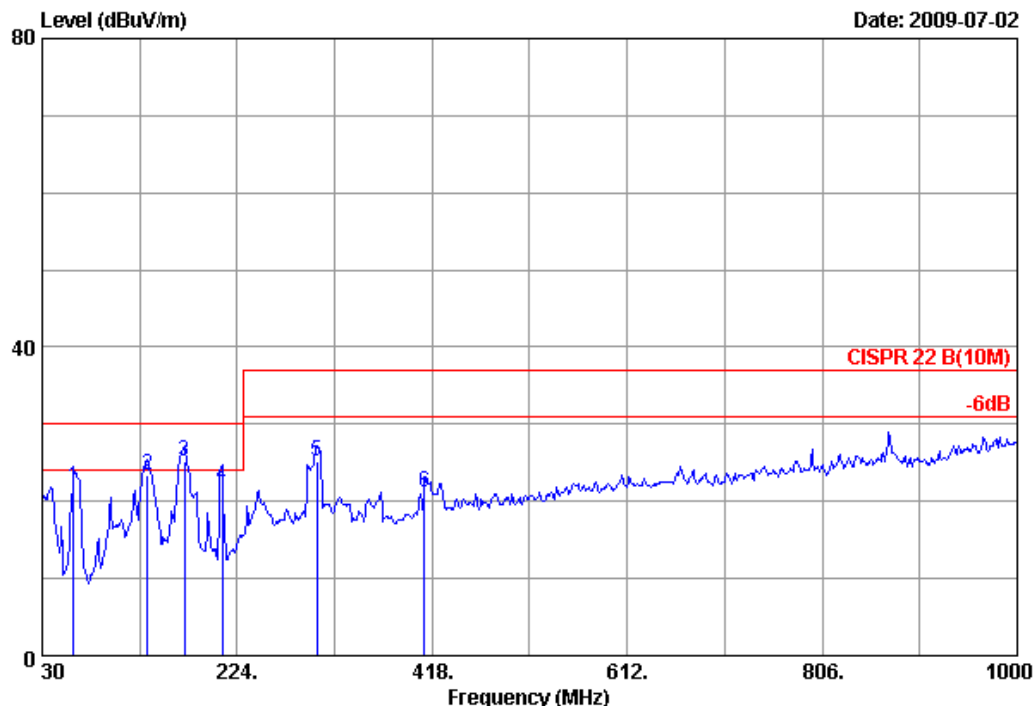
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	165.800	9.40	1.96	11.53	22.89	30.00	7.11	QP
2	209.450	8.66	2.27	8.72	19.65	30.00	10.35	QP
3	293.840	12.37	2.75	3.36	18.48	37.00	18.52	QP
4	447.100	16.26	3.57	-1.67	18.16	37.00	18.84	QP
5	500.450	17.26	3.83	-1.26	19.83	37.00	17.17	QP
6	587.750	17.99	4.25	-1.36	20.88	37.00	16.12	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



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Site no. : 10m Chamber Test Site Data no. : 9
Dis. / Ant. : 10m 2009 CBL6112D 25238 Ant. pol. : VERTICAL
Limit : CISPR 22 B(10M)
Env. / Ins. : 24°C/56% Engineer : Chris
EUT : XENYX Mixer M/N:X1832USB
Power Rating : AC 120V/60Hz
Test Mode : 1kHz Signal Input and Recording

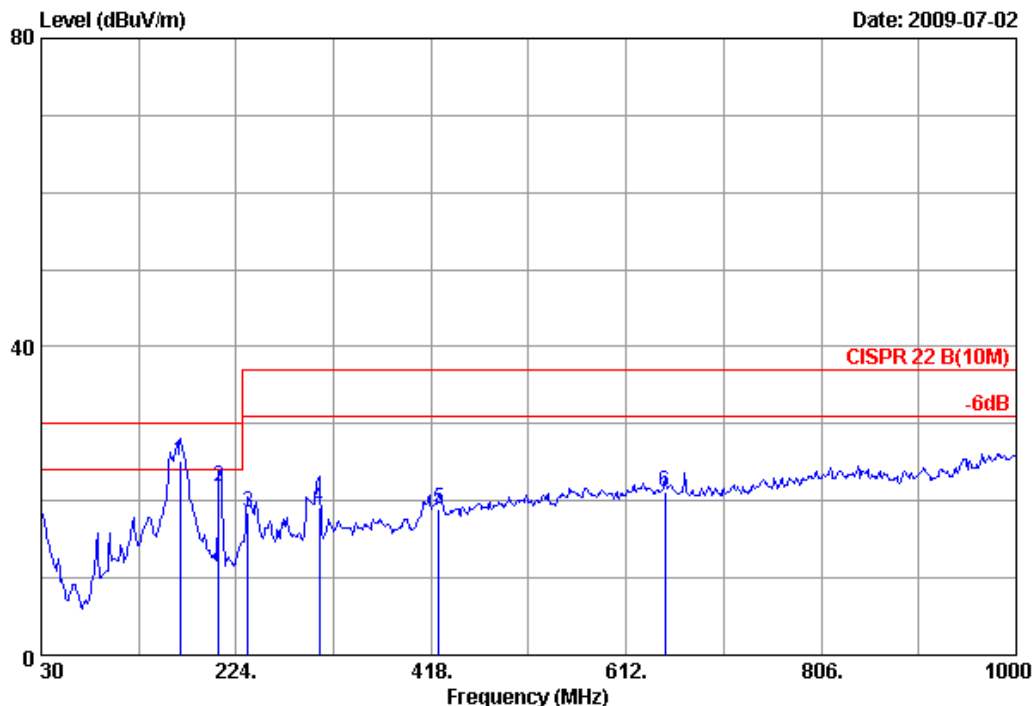
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	61.040	6.16	1.16	14.60	21.92	30.00	8.08	QP
2	134.760	11.49	1.73	10.08	23.30	30.00	6.70	QP
3	171.620	9.44	2.00	13.64	25.08	30.00	4.92	QP
4	209.450	8.66	2.27	11.09	22.02	30.00	7.98	QP
5	303.540	13.04	2.81	9.23	25.08	37.00	11.92	QP
6	410.240	15.93	3.39	1.89	21.21	37.00	15.79	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



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Data: 8 File: D:\2009 Report Data\B\BEHRINGER\ACS9Q865.EM6 (28) Date: 2009-07-02



Site no. : 10m Chamber Test Site Data no. : 8
Dis. / Ant. : 10m 2009 CBL6112D 25237 Ant. pol. : HORIZONTAL
Limit : CISPR 22 B(10M)
Env. / Ins. : 24°C/56% Engineer : Chris
EUT : XENYX Mixer M/N:X2222USB
Power Rating : AC 120V/60Hz
Test Mode : 1kHz Signal Input and Recording

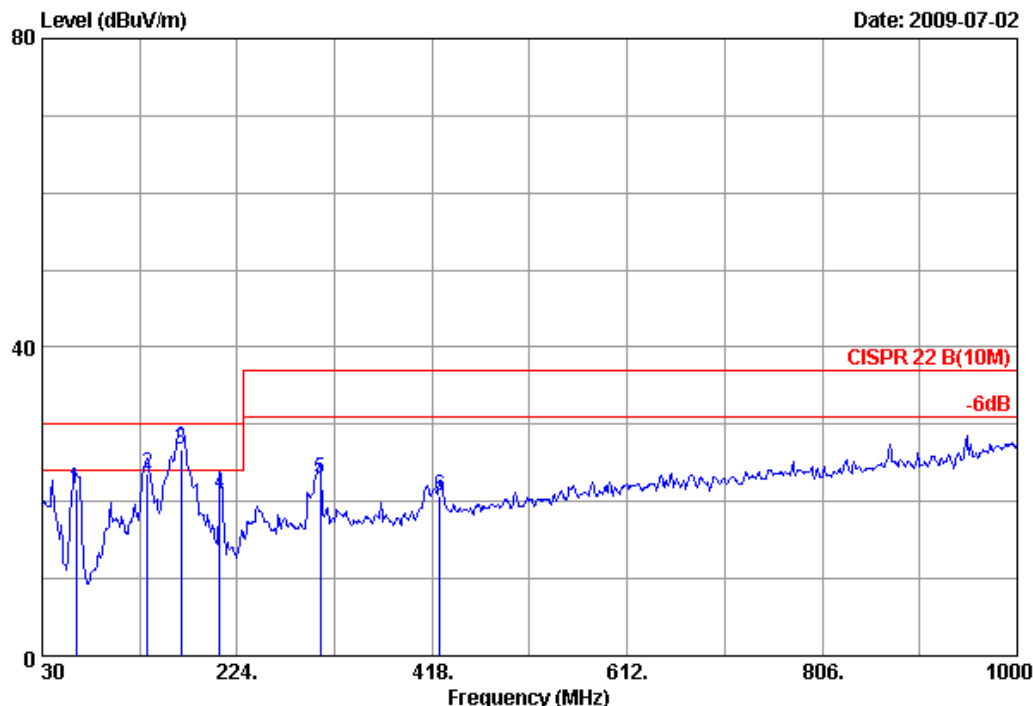
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	167.740	9.55	1.97	13.62	25.14	30.00	4.86	QP
2	206.540	8.84	2.25	10.80	21.89	30.00	8.11	QP
3	235.640	10.17	2.40	5.87	18.44	37.00	18.56	QP
4	306.450	13.15	2.83	3.24	19.22	37.00	17.78	QP
5	425.760	16.26	3.47	-0.72	19.01	37.00	17.99	QP
6	650.800	18.32	4.57	-1.83	21.06	37.00	15.94	QP

- Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.
3. The worst emission was detected at 167.74MHz with corrected signal level of 25.14dBμV/m (Limit is 30.00dBμV/m) when the antenna was at horizontal polarization and at 2.0m high and the turn table was at 145°.
4. 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.



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Data: 7 File: D:\2009 Report Data\B\BEHRINGER\ACS9Q865.EM6 (28) Date: 2009-07-02



Site no. : 10m Chamber Test Site Data no. : 7
Dis. / Ant. : 10m 2009 CBL6112D 25238 Ant. pol. : VERTICAL
Limit : CISPR 22 B(10M)
Env. / Ins. : 24°C/56% Engineer : Chris
EUT : XENYX Mixer M/N:X2222USB
Power Rating : AC 120V/60Hz
Test Mode : 1kHz Signal Input and Recording

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	63.950	5.90	1.18	14.62	21.70	30.00	8.30	QP
2	134.760	11.49	1.73	10.38	23.60	30.00	6.40	QP
3	167.740	9.55	1.97	15.13	26.65	30.00	3.35	QP
4	206.540	8.84	2.25	9.77	20.86	30.00	9.14	QP
5	306.450	13.15	2.83	6.90	22.88	37.00	14.12	QP
6	425.760	16.26	3.47	0.97	20.70	37.00	16.30	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.
3. The worst emission was detected at 167.74MHz with corrected signal level of 26.65dBuV/m (Limit is 30.00dBuV/m) when the antenna was at vertical polarization and at 1.0m high and the turn table was at 310°.
4. 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

5. DEVIATION TO TEST SPECIFICATIONS

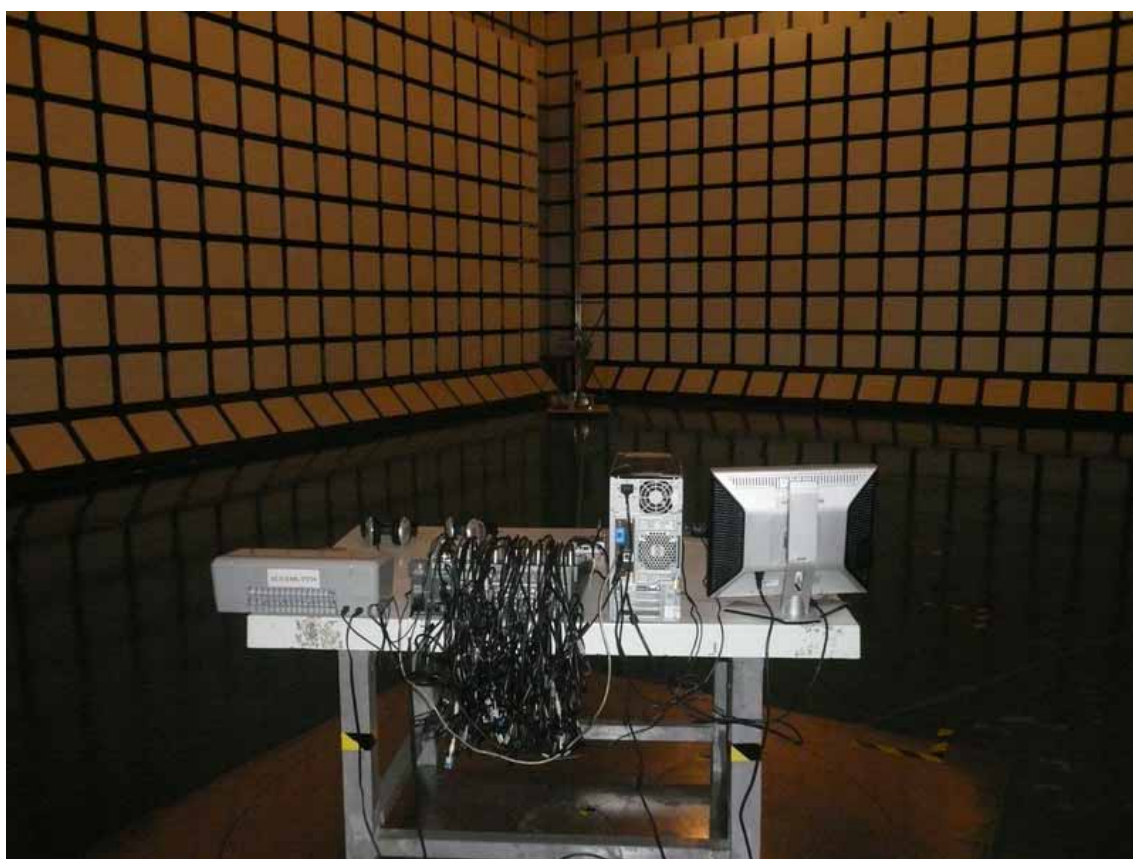
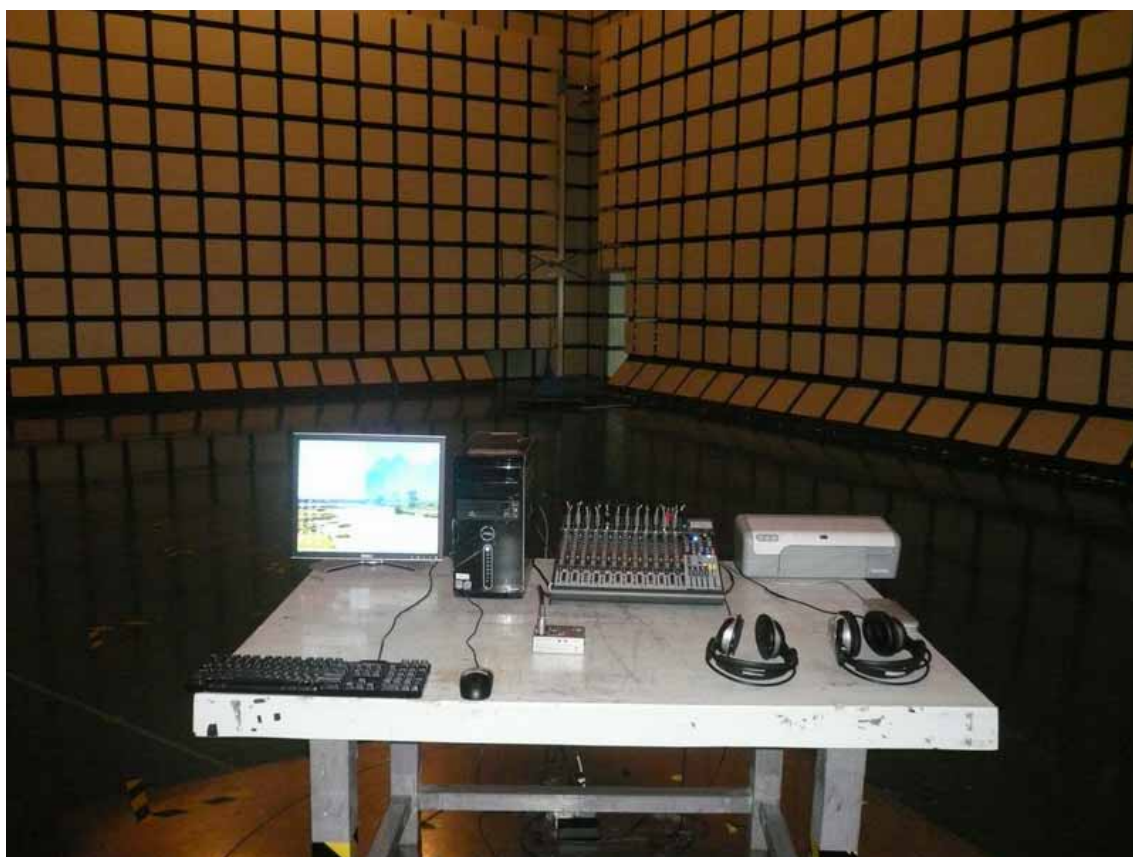
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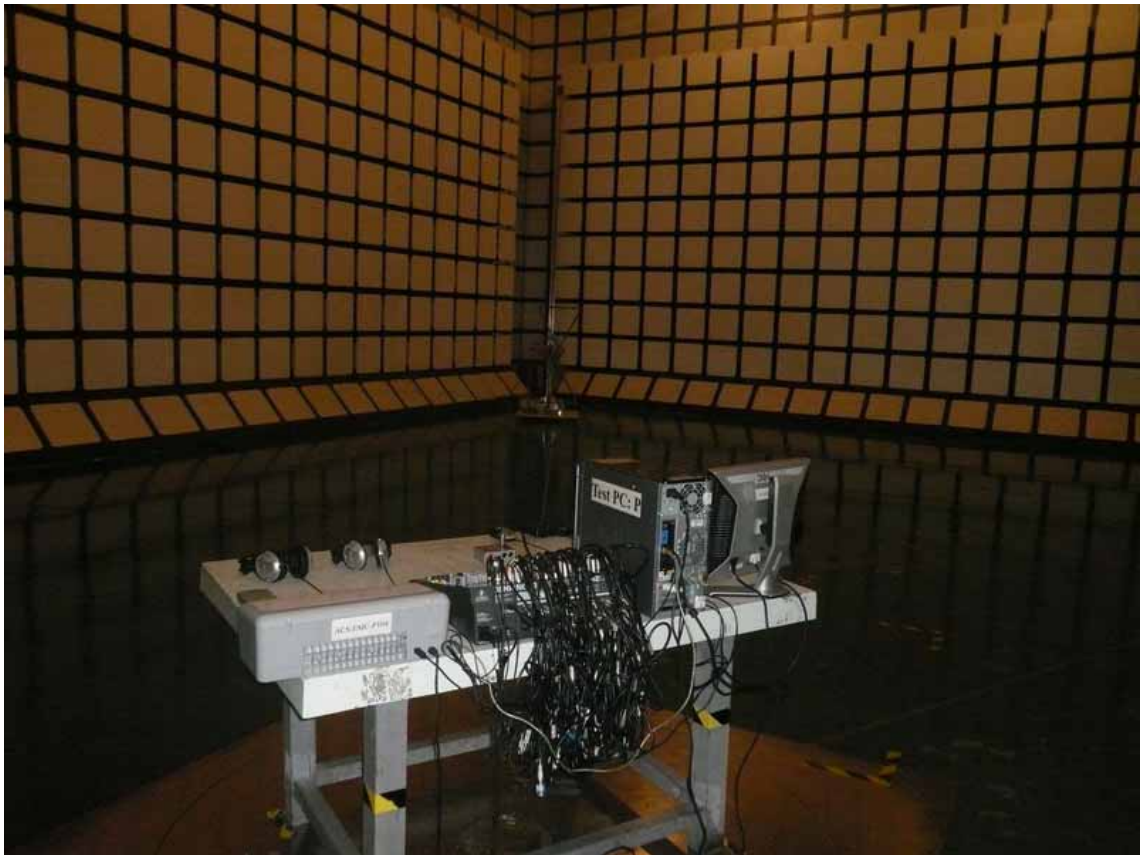
6. PHOTOGRAPH

6.1.Photos of Power Line Conducted Emission Test



6.2.Photos of Radiated Emission Test (In Anechoic Chamber)





7. PHOTOS OF THE EUT

M/N: X2442USB

Figure 1

General Appearance of the EUT



Figure 2

General Appearance of the EUT



Figure 3
General Appearance of the EUT



Figure 4
General Appearance of the EUT



Figure 5
Inside of the EUT

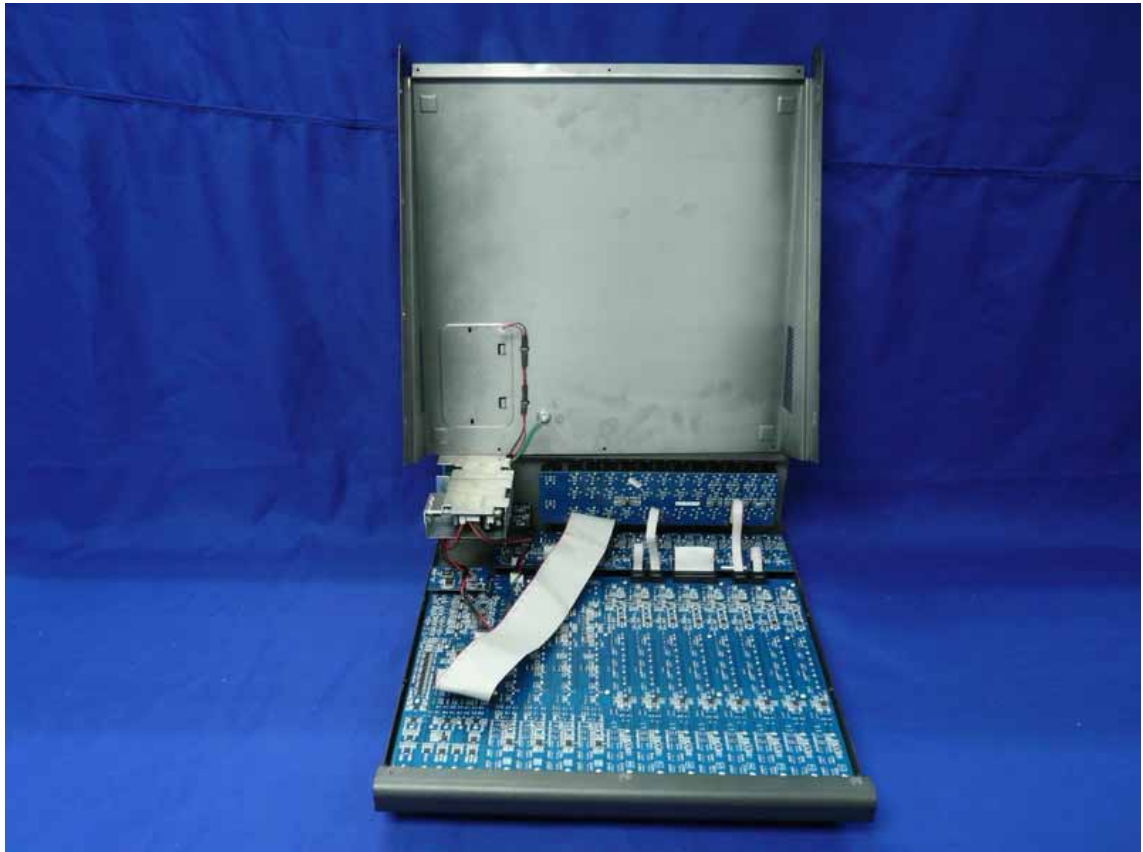


Figure 6
Inside of the EUT



Figure 7
Inside of the EUT

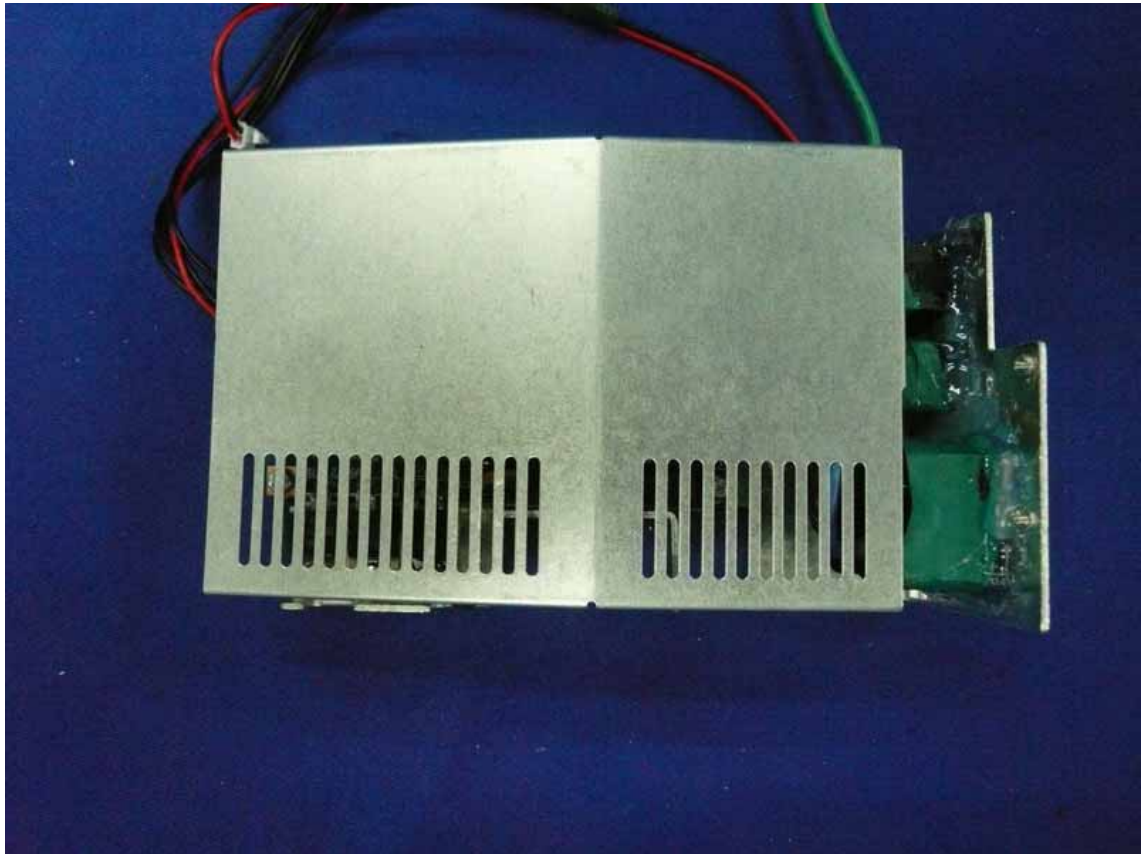


Figure 8
Inside of the EUT

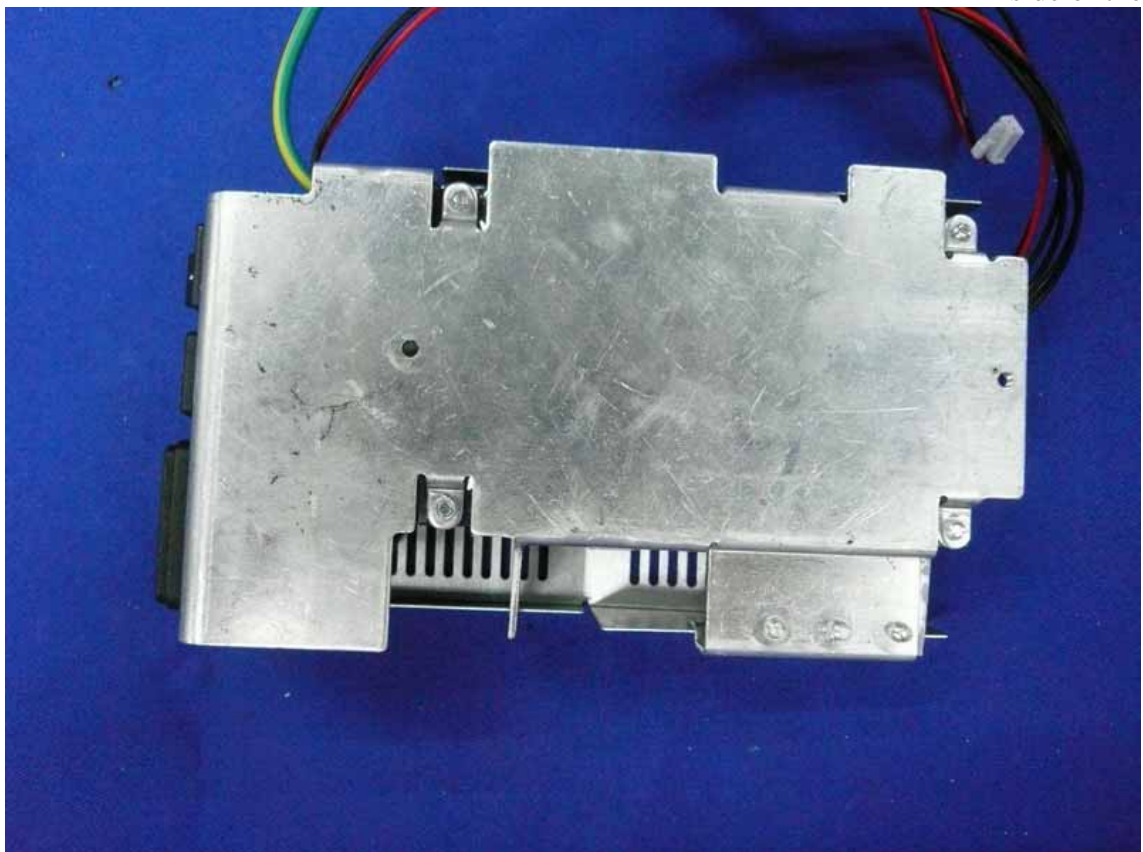


Figure 9
Inside of the EUT

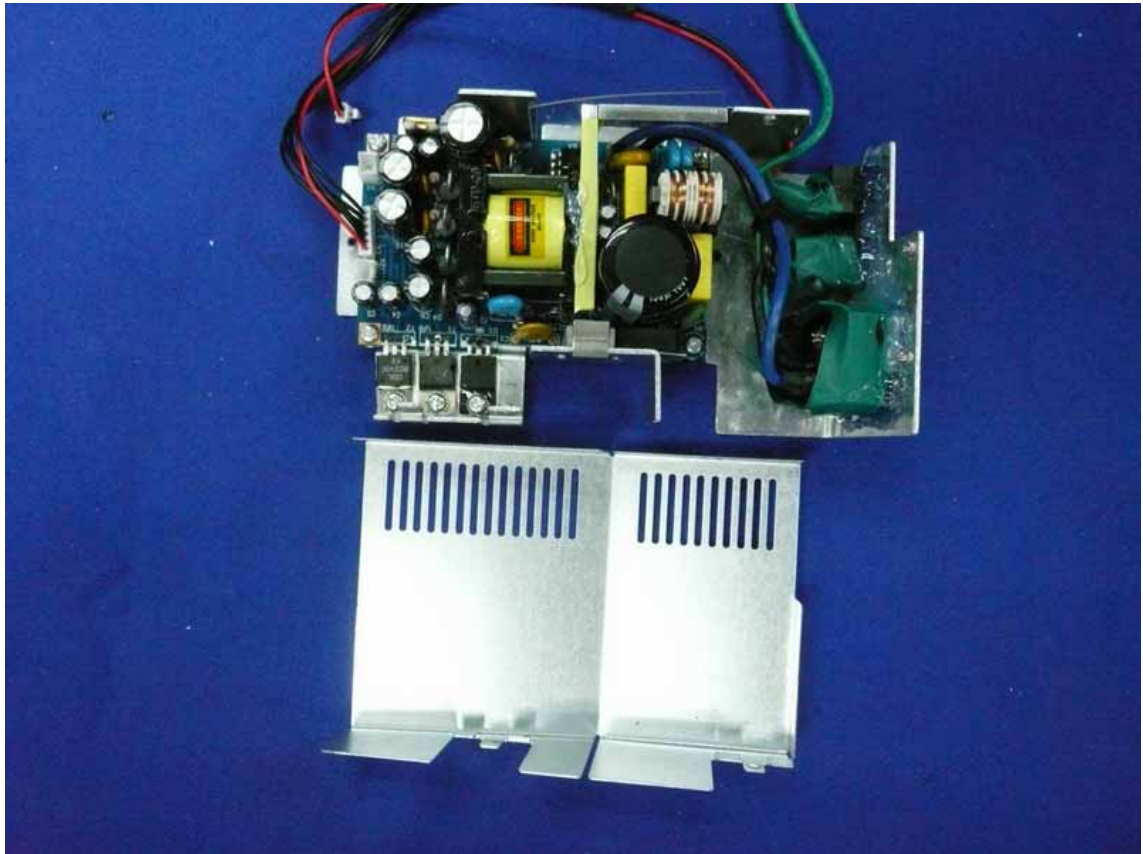


Figure 10
Inside of the EUT

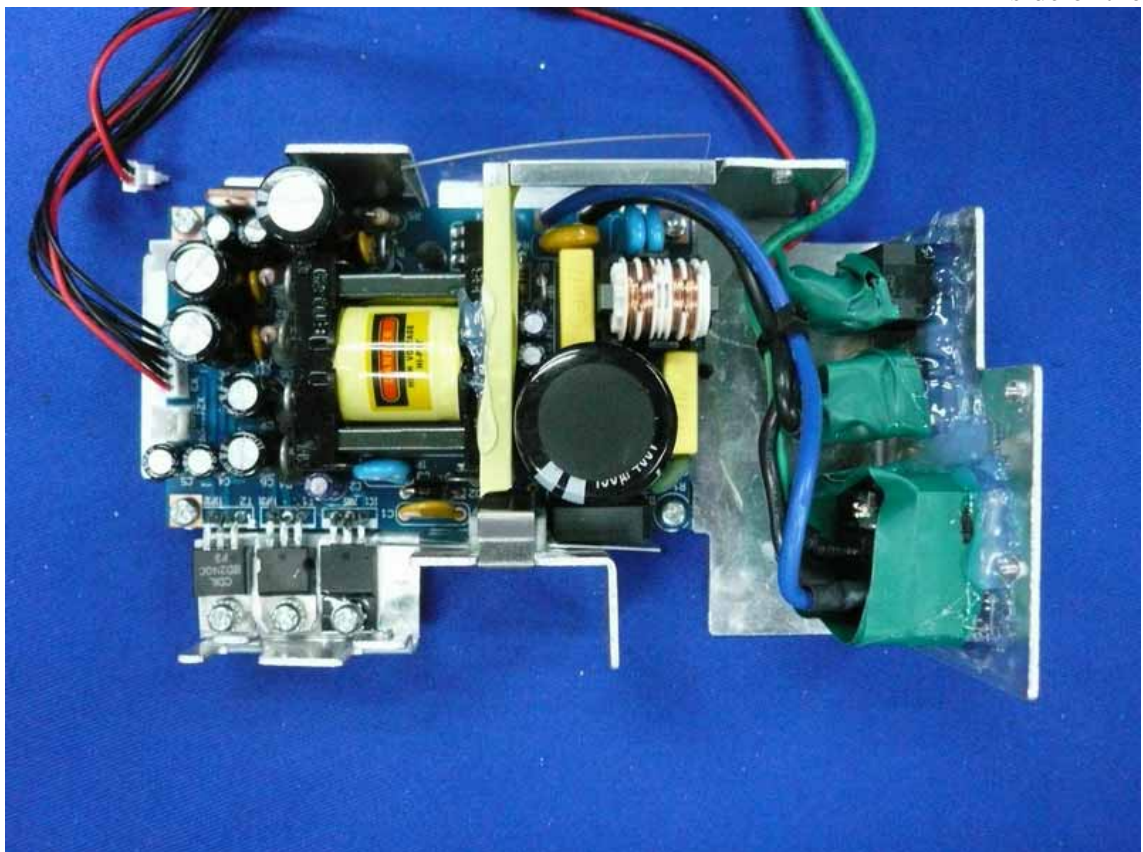


Figure 11
Component Side of the PCB

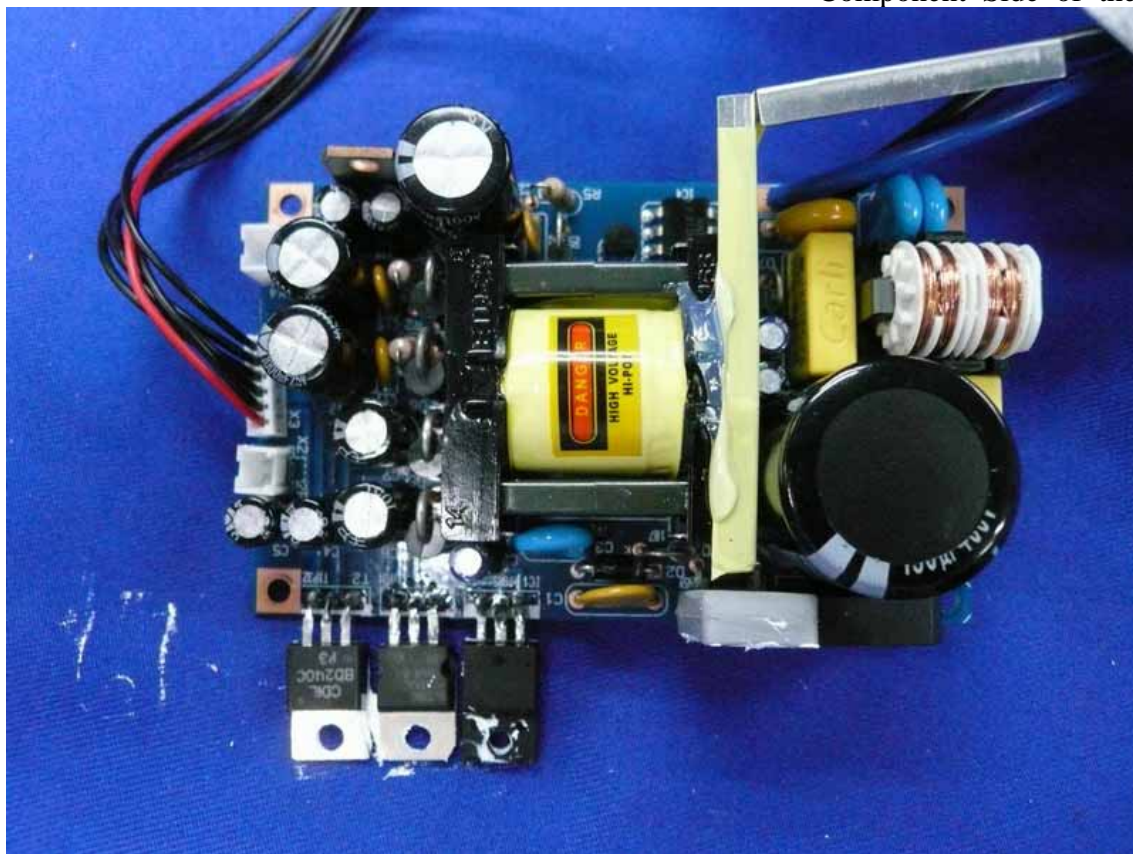


Figure 12
Component Side of the PCB

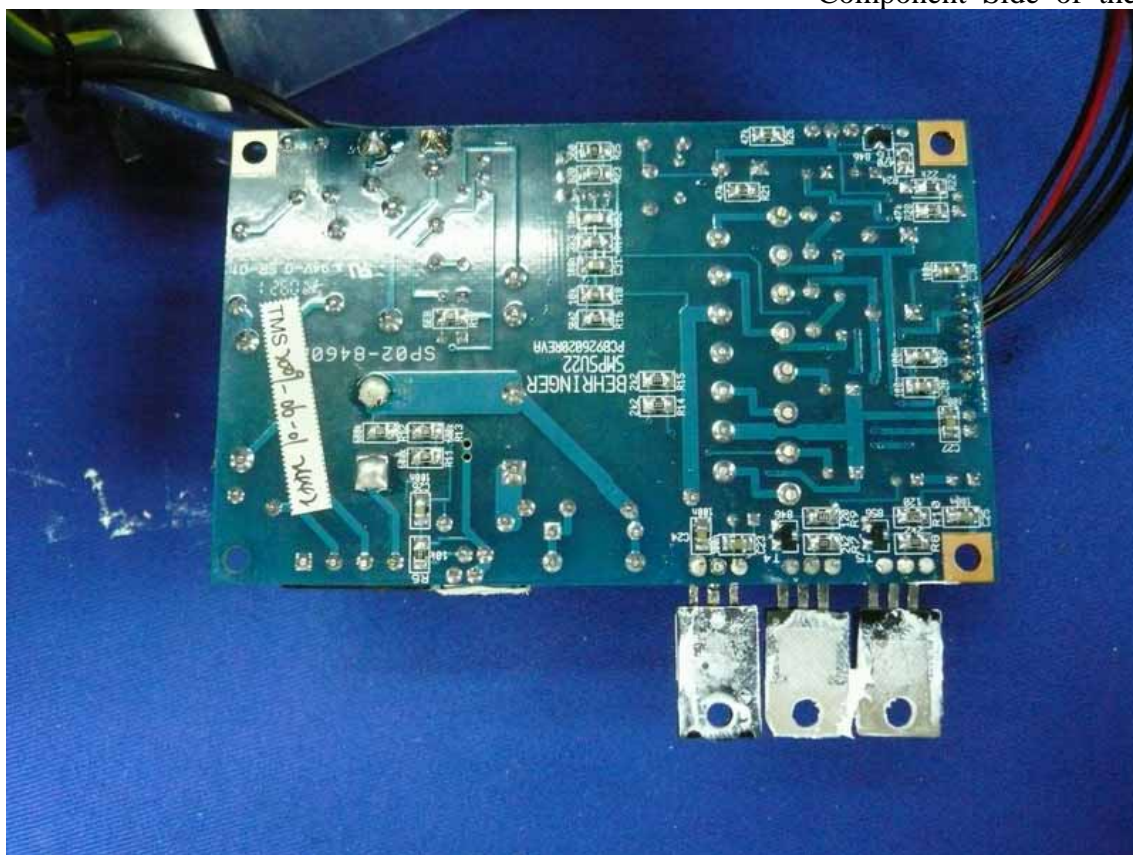


Figure 13
Component Side of the PCB

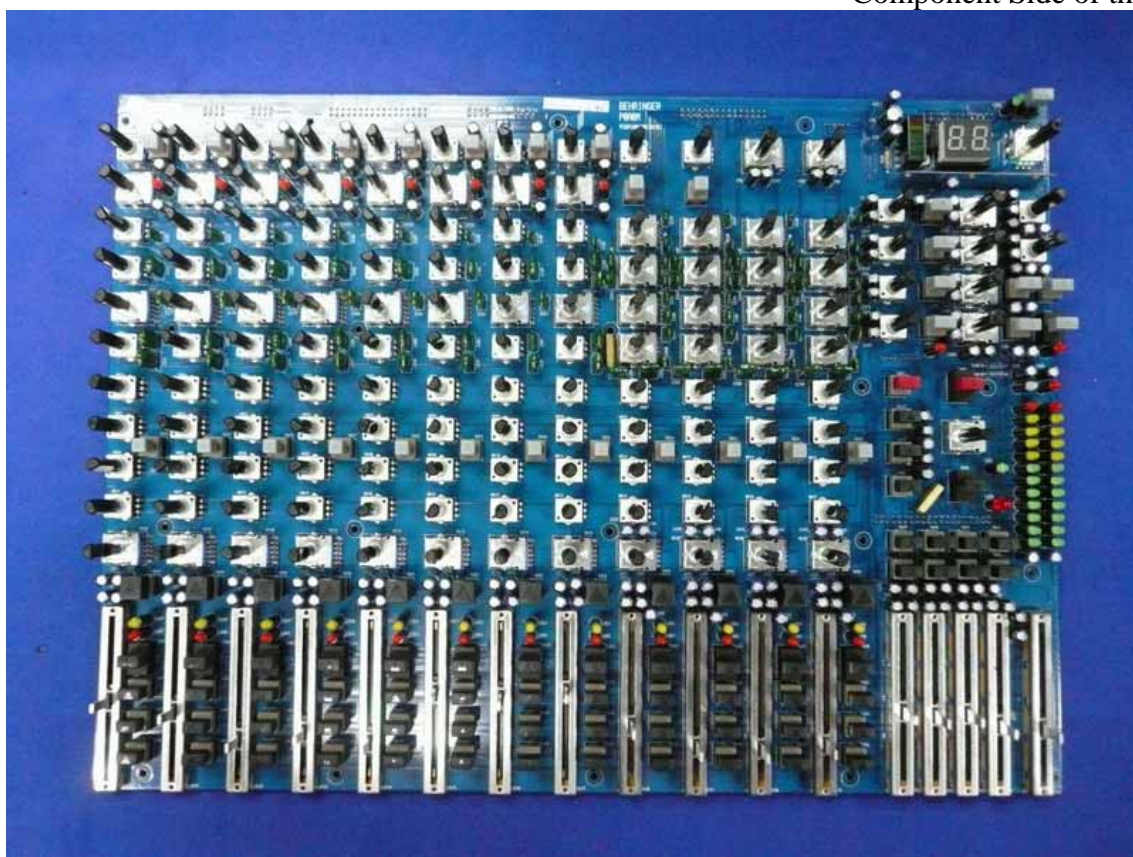


Figure 14
Component Side of the PCB

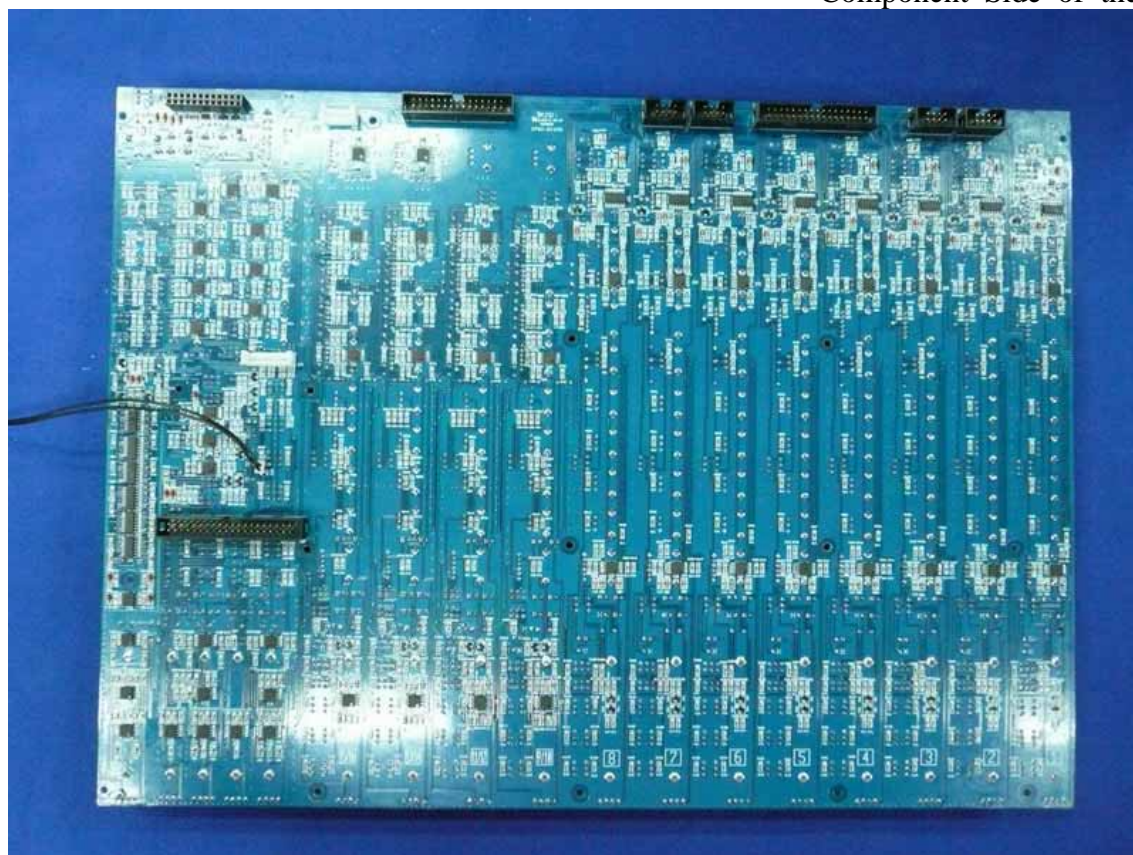


Figure 15
Component Side of the PCB

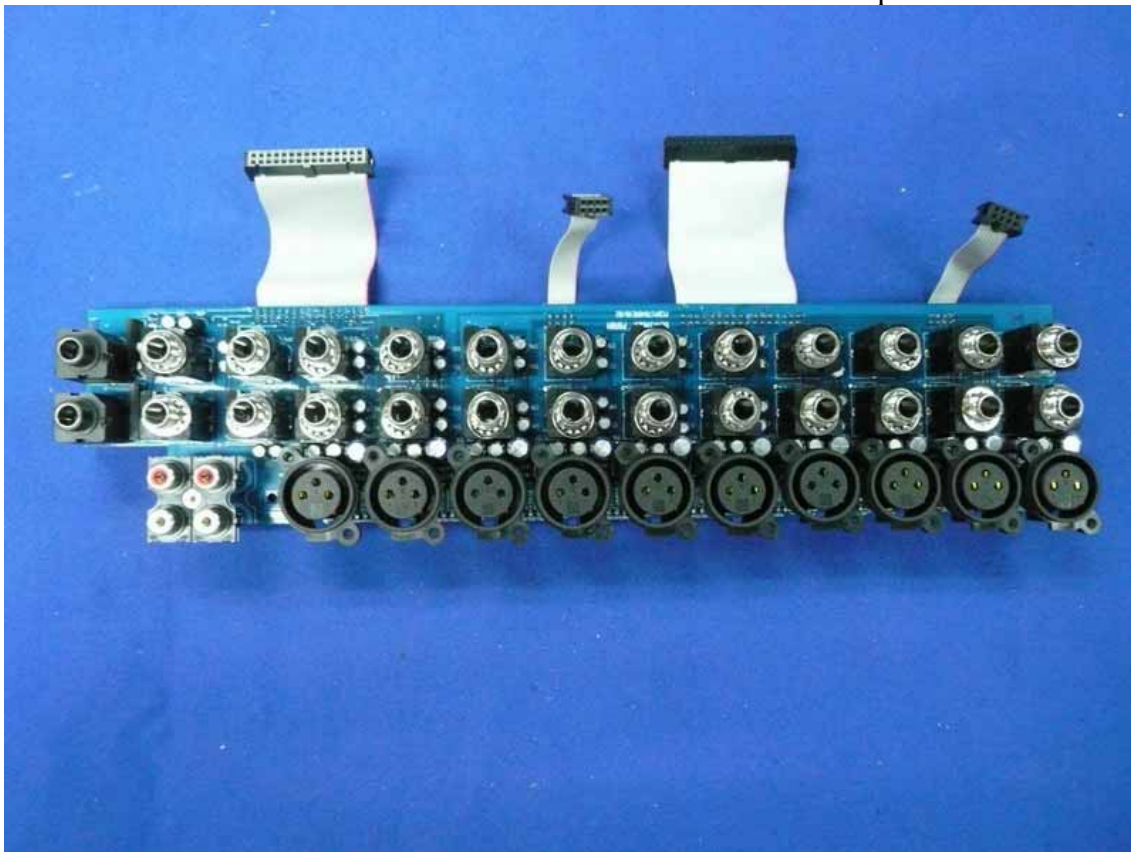


Figure 16
Component Side of the PCB

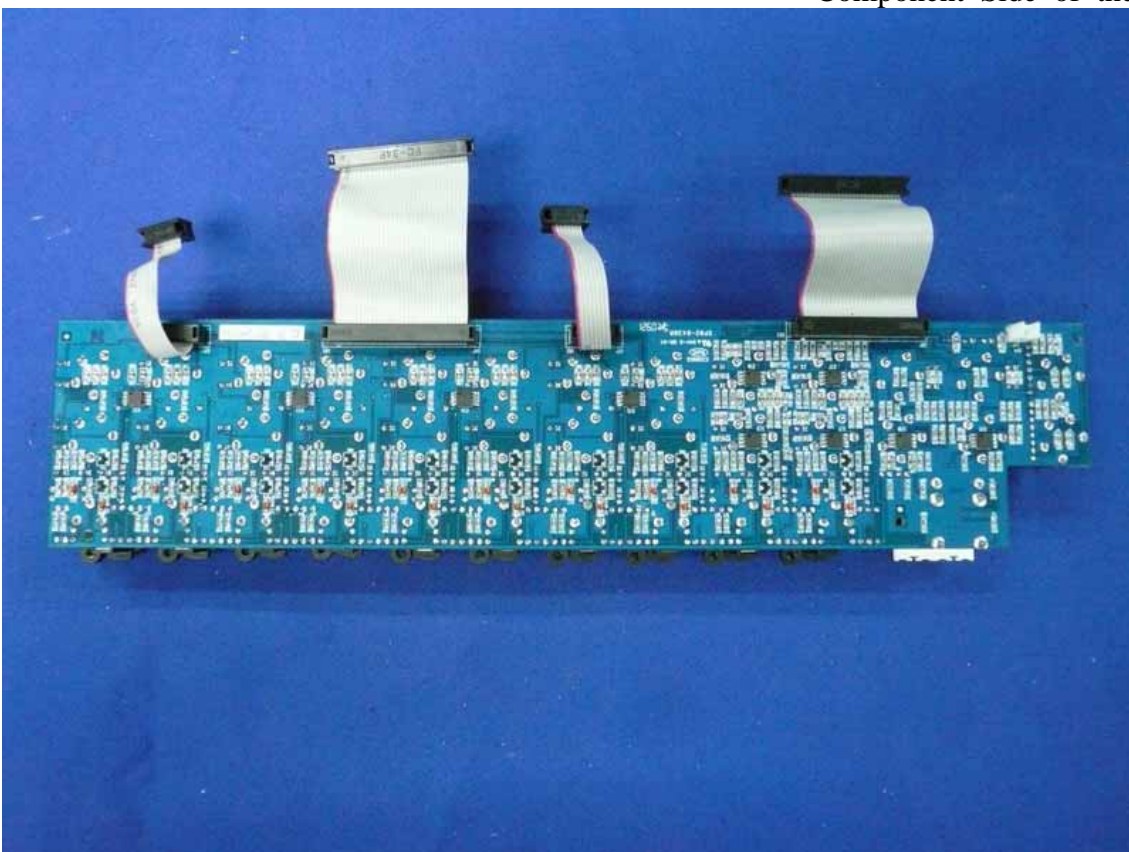


Figure 17
Component Side of the PCB

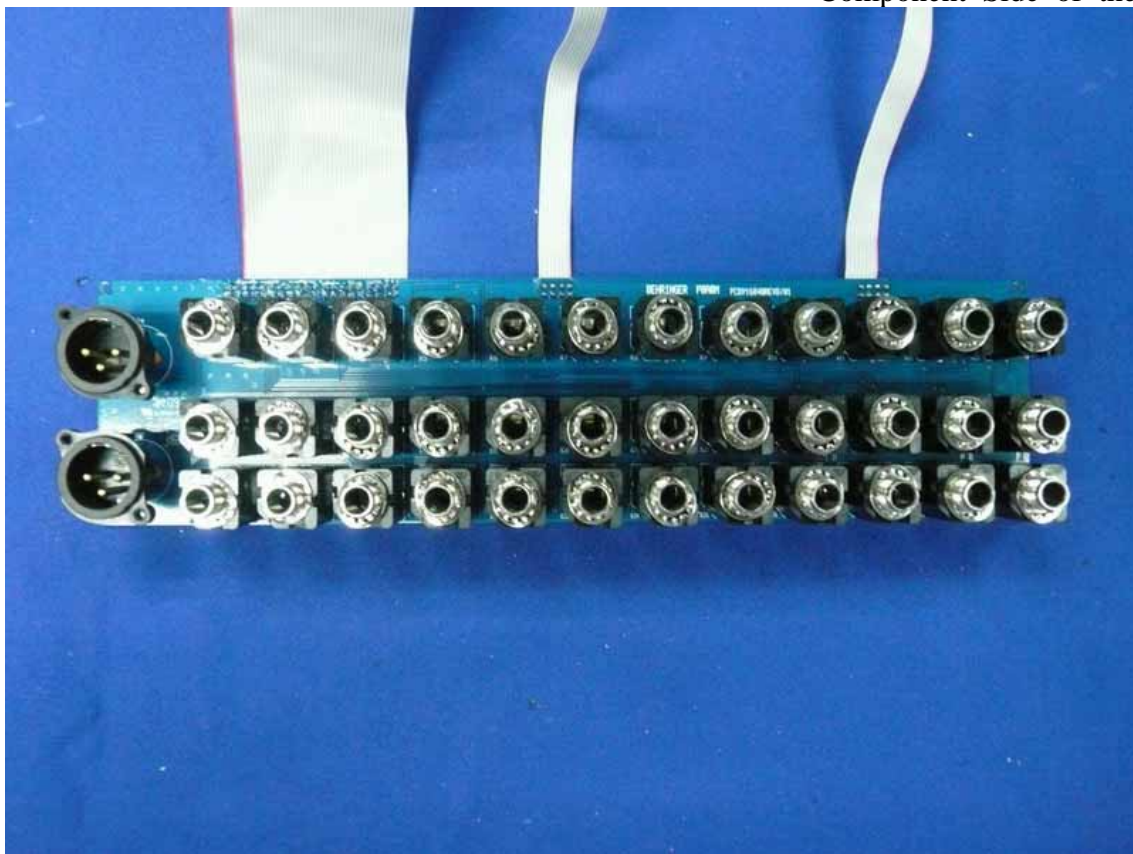


Figure 18
Component Side of the PCB

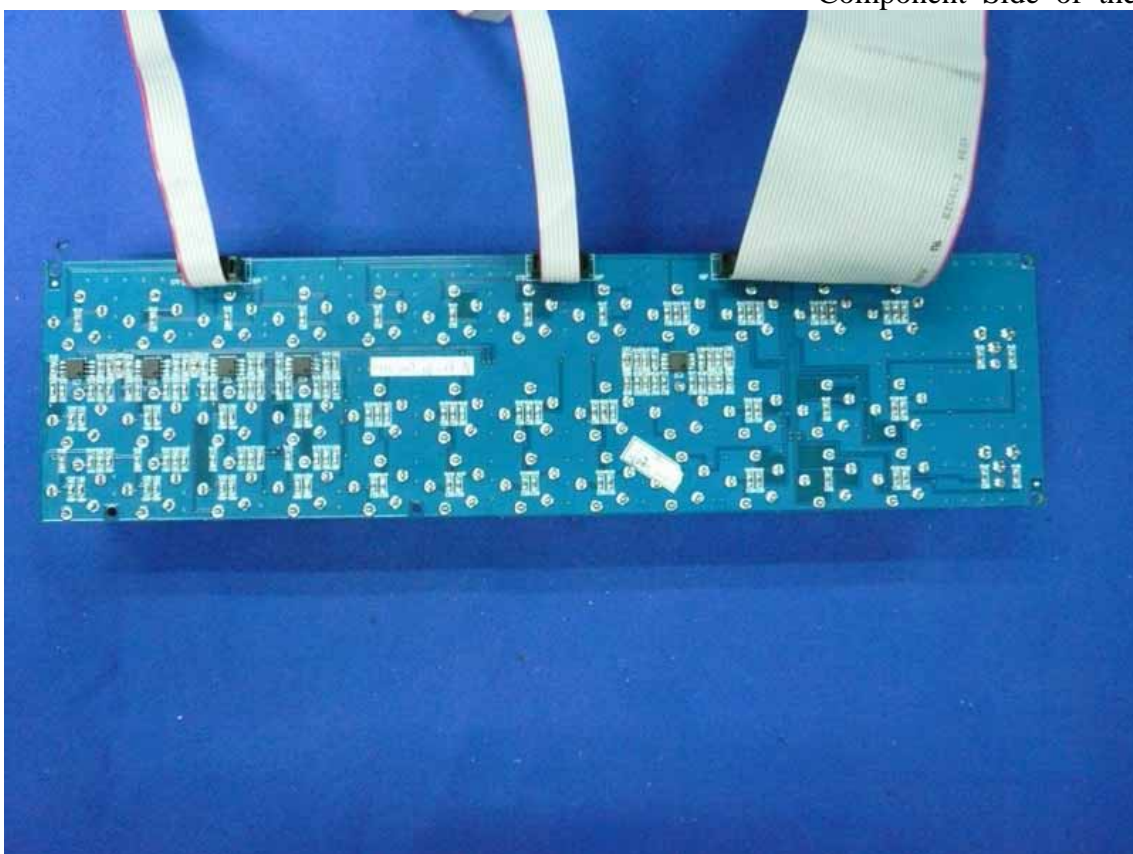


Figure 19
Component Side of the PCB

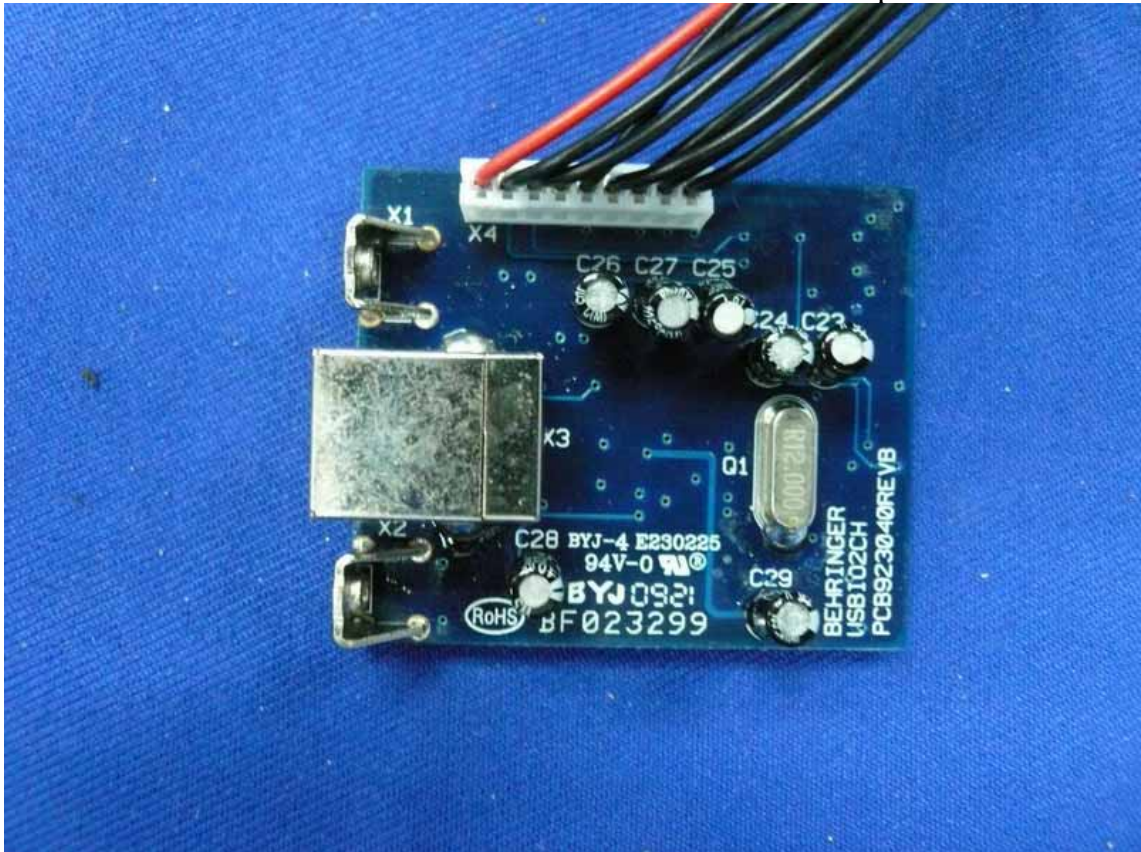


Figure 20
Component Side of the PCB

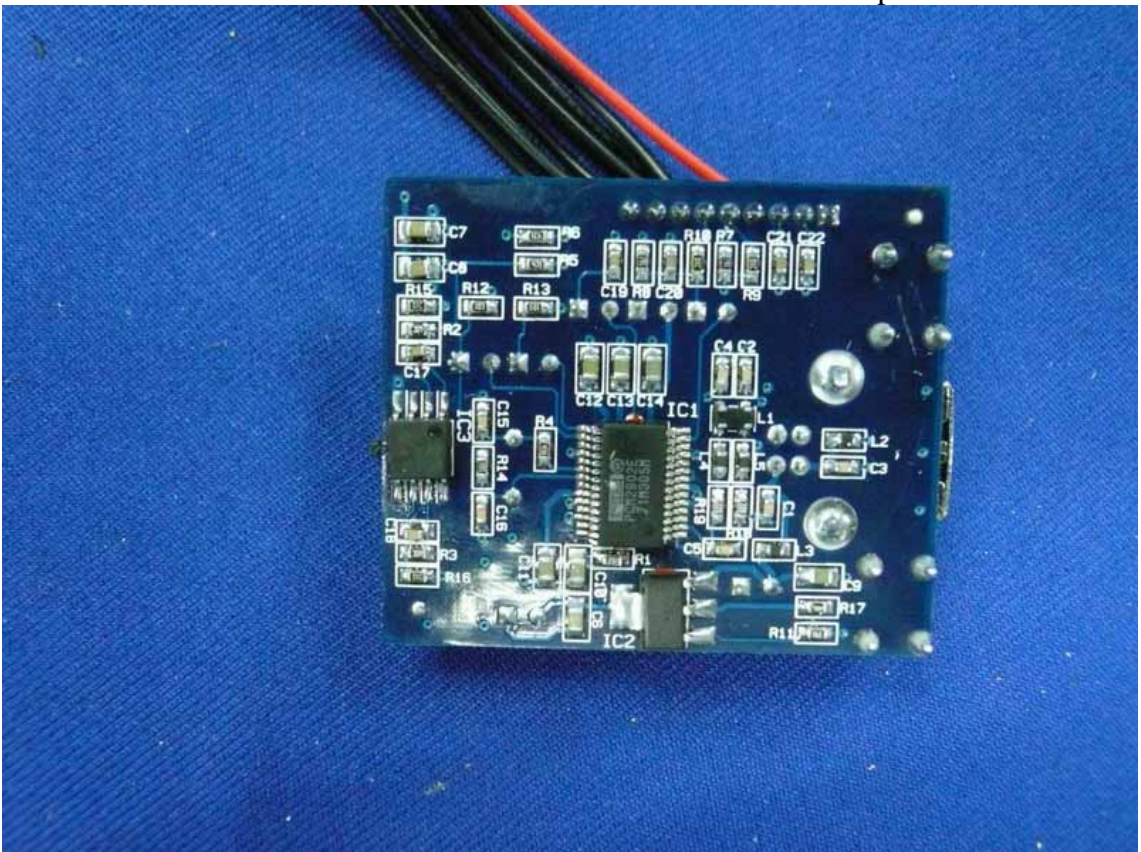


Figure 21
Component Side of the PCB

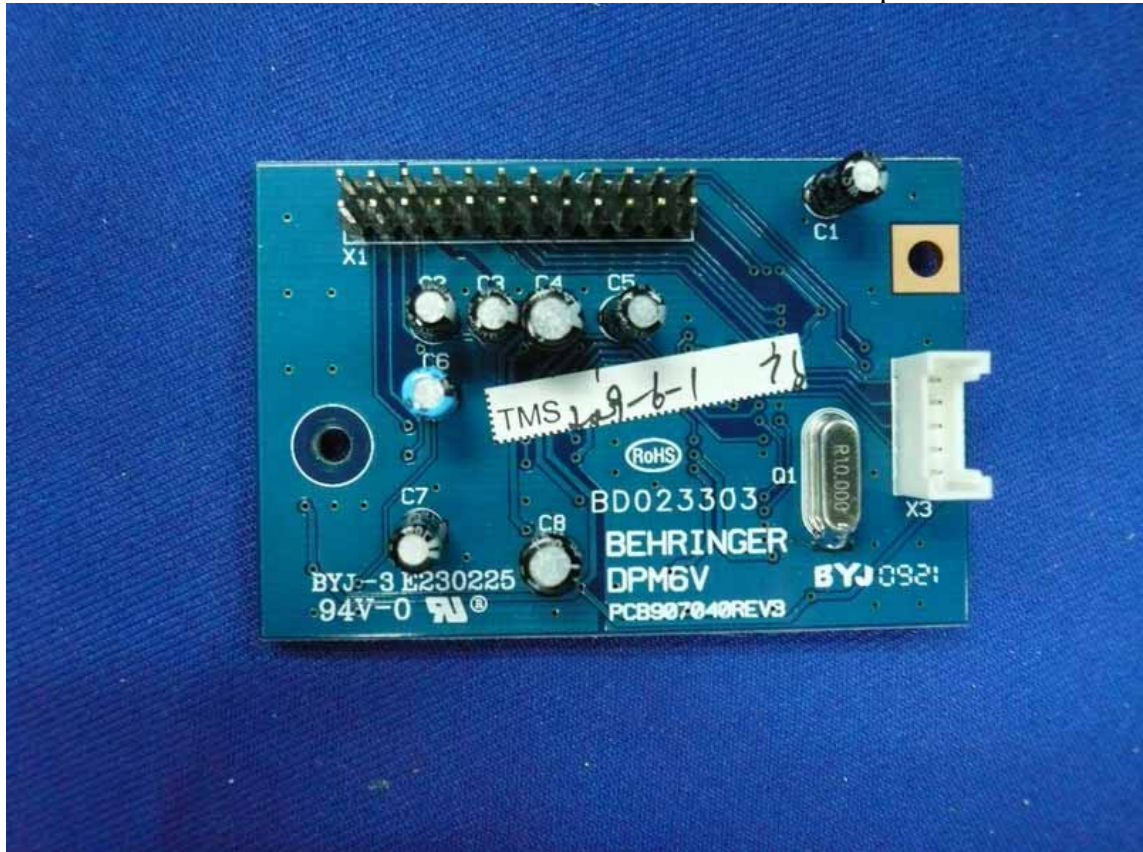
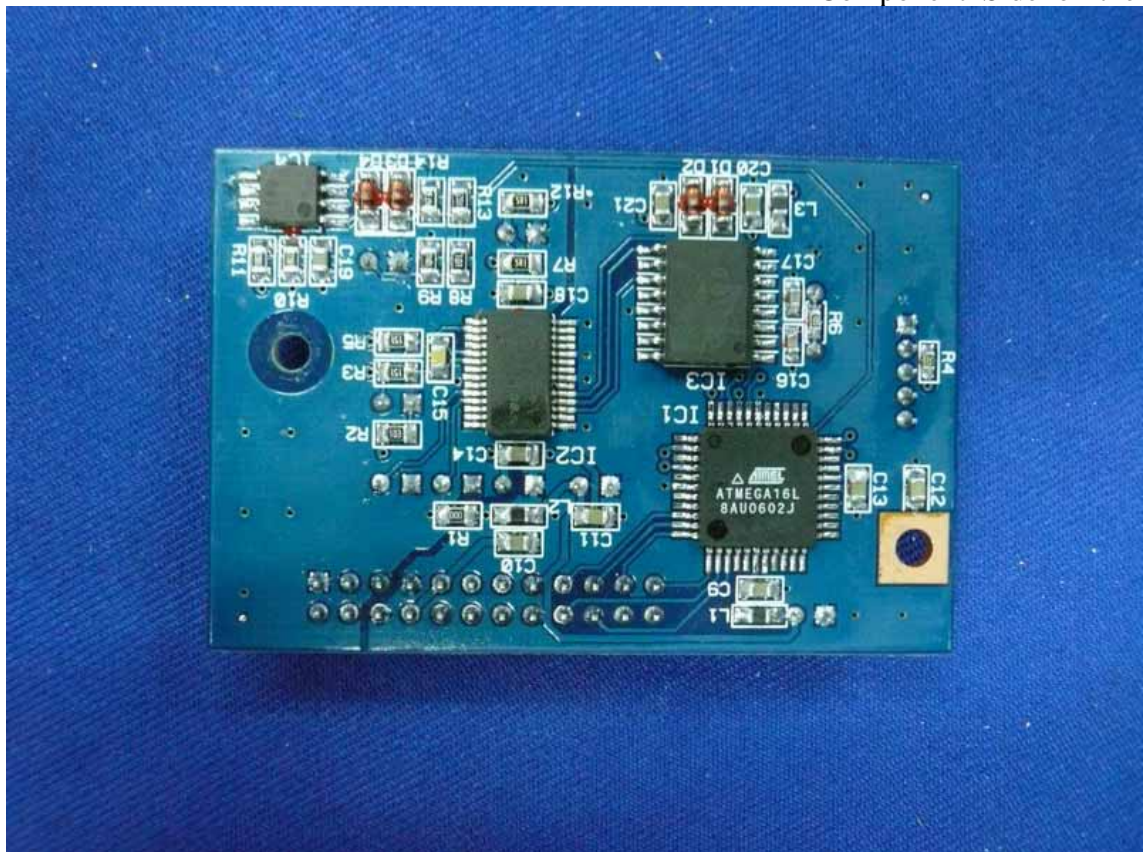


Figure 22
Component Side of the PCB



M/N: 1204USB

Figure 23

General Appearance of the EUT



Figure 24

General Appearance of the EUT



Figure 25
General Appearance of the EUT



Figure 26
General Appearance of the EUT



M/N: X1204USB

Figure 27

General Appearance of the EUT



Figure 28

General Appearance of the EUT



Figure 29
General Appearance of the EUT



Figure 30
General Appearance of the EUT



M/N: X1222USB

Figure 31

General Appearance of the EUT



Figure 32

General Appearance of the EUT



Figure 33
General Appearance of the EUT



Figure 34
General Appearance of the EUT



M/N: X1622USB

Figure 35

General Appearance of the EUT



Figure 36

General Appearance of the EUT



Figure 37
General Appearance of the EUT



Figure 38
General Appearance of the EUT



M/N: X1832USB

Figure 39

General Appearance of the EUT



Figure 40

General Appearance of the EUT



Figure 41
General Appearance of the EUT



Figure 42
General Appearance of the EUT



M/N: X2222USB

Figure 43

General Appearance of the EUT



Figure 44

General Appearance of the EUT



Figure 45
General Appearance of the EUT



Figure 46
General Appearance of the EUT

