Test Report

Applicant:	Alesis LLC
Address of Applicant:	200 Scenic View Drive, Suite 201, Cumberland RI 02864 U.S.A.
Equipment Under Test (EUT):	
EUT Name:	USB MIDI Keyboard Controller
Model No.:	A25, A49, A61
Serial No.:	Not supplied by client
Standards:	FCC PART15 SUBPART B: 2007
Date of Receipt:	Dec. 2, 2009
Date of Test:	Dec. 2, 2009 – Dec. 24, 2009
Date of Issue:	Dec. 30, 2009
Test Result :	**PASS***

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:

Henly.xie / Manager

This report refers to the General Conditions for Inspection and Testing Services, printed overleaf

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

All test results in this report can be traceable to National or International Standards.

The test report prepare by:

Guangzhou Huesent Testing Service Co.,Ltd.

No.91, Dongguanzhuang Road,Guangzhou,China.

Tel: 86-20-28263298 Fax: 86-20-28263237 http://www.hst.org.cn E-mail:hst@hst.org.cn

2. Test Summary

Test	Test Requirement	Test Method	Class / Severity	Result
Radiated Emission (30MHz to 1GHz)	FCC PART 15, SUBPART B: 2007	ANSI C63.4:2003	Class B	PASS
Conducted Emission (150KHz to 30MHz)	FCC PART 15, SUBPART B: 2007	ANSI C63.4:2003	Class B	PASS

3. Contents

4. General Information

4.1 Client Information

Applicant:	Alesis LLC
Address of Applicant:	200 Scenic View Drive, Suite 201, Cumberland RI 02864 U.S.A.

4.2 General Description of E.U.T.

EUT Name:	USB MIDI Keyboard Controller
Trade Name:	N/A
Item No.:	See the model number shown on cover page.
Serial No.:	Not supplied by client

4.3 Details of E.U.T.

Power Supply:	DC 5V power supplied by adapter or via an USB cable of host, 150-200mA, 1W
Power Cord:	1.30 m USB cable with a core

4.4 Description of Support Units

HP's Notebook (model: EliteBook 2740P, HP's adapter: model: PPP009L-E, input: 100-240VAC1.6A, 50-60Hz, output: 18.5VDC3.5A).

AC/DC adapter, manufactory: Heng Peng; model: DH-1612; input: 100-240VAC, 50/60Hz, 250mA; output: 9VDC/1000mA max.

1.80m Sustain Switch; 1.70m Midi-USB cable.

4.5 Standards Applicable for Testing

The standard used was FCC PART 15, SUBPART B, CLASS B 2007

4.6 Test Location

Huesent Testing Service Ltd.

No. 91, Dongguanzhuang Road, Guangzhou City, Guangdong Province, P.R. China

Tel: 86-20-28263298 Fax: 86-20-28263237

All tests were subcontract to the laboratory following:

CEPREI (headquarters) lab.

No.110, Dongguanzhuang Road, Tianhe District, Guangzhou city, Guangdong Province, P.R. China

Tel: 86-20-87237178 Fax: 86-20-87236171 Email: emc@ceprei.biz

FCC- Registration No: 258518 on Mar 25, 2005

4.8 Deviation from Standards

None.

4.9 Abnormalities from Standard Conditions

None.

5. Equipments Used during Test

No.	Test item.	Name of Equipment's	Model/Type	Last Calibrated Date
1	CE	EMI Receiver	R&S ESCS 30	2009-6-8
2	CE	LISN	R&S ESH3-Z5	2009-6-8
3	CE	Shielding Room	DG ZongZhou 5x3x3 m	2009-6-8
4	RE	EMI Receiver	R&S ESCS 30	2009-6-8
5	RE	Anechoic Chamber	Lindgren FACT-4	2009-6-8
6	RE	Antenna	SCHAFFNER CBL6112B	2009-6-8
Note: /				

6. Test Results

6.1 Conducted Emissions Mains Terminals, 150 kHz to 30MHz

Test Requirement:	FCC Part 15 B
Test Method:	ANSI C63.4
Class / Severity:	Class B
Detector:	Peak for pre-scan (9kHz Resolution Bandwidth)
	Quasi-Peak if maximised peak within 6dB of Quasi-Peak limit
Test Date:	Dec. 23, 2009

6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 20.0°C Humidity:50% RH Atmospheric Pressure: 103.0kPa

EUT Operation:

1. Connect the EUT by AC/DC adapter or via an USB cable to notebook in 120VAC/60Hz.
2. Test the EUT work normally in transmit data mode with notebook.

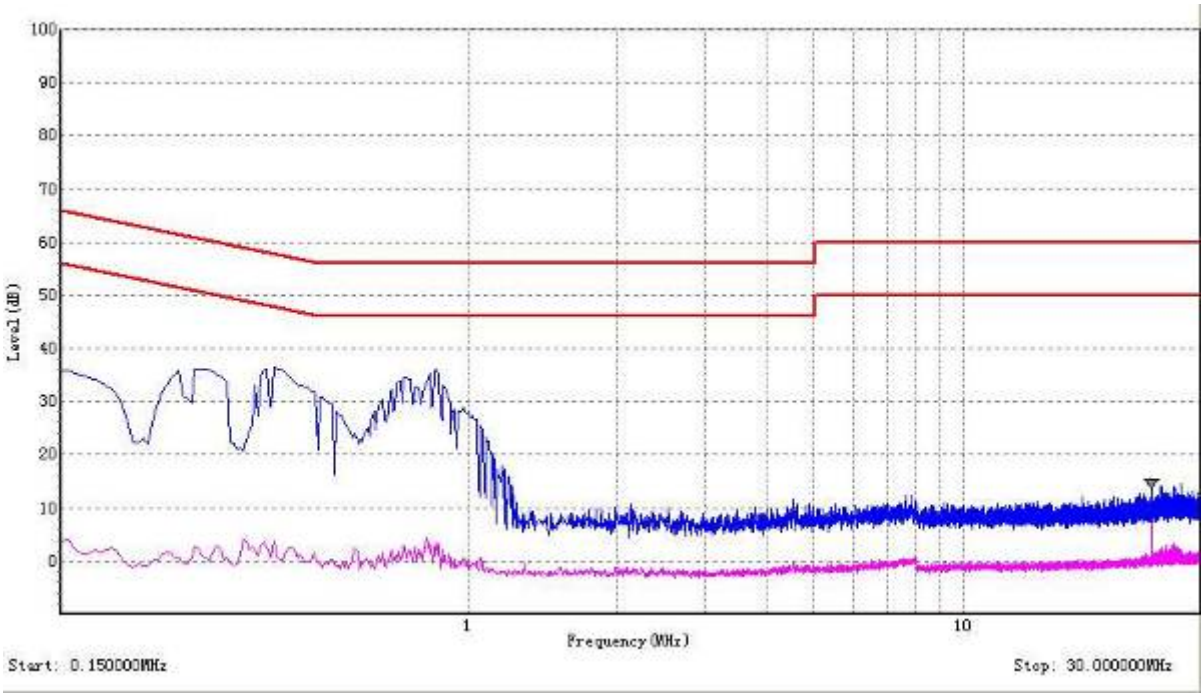
6.1.2 Plan View of Test Setup

6.1.3 Measurement Data

An initial pre-scan was performed on the live and neutral lines with peak detector. Quasi-Peak and Average measurement were performed at the frequencies with maximized emission were detected when Peak measurement level is over Average Limit.

Live Line, Model: A25; Mode: Transmitting Data by Adapter

Peak Scan

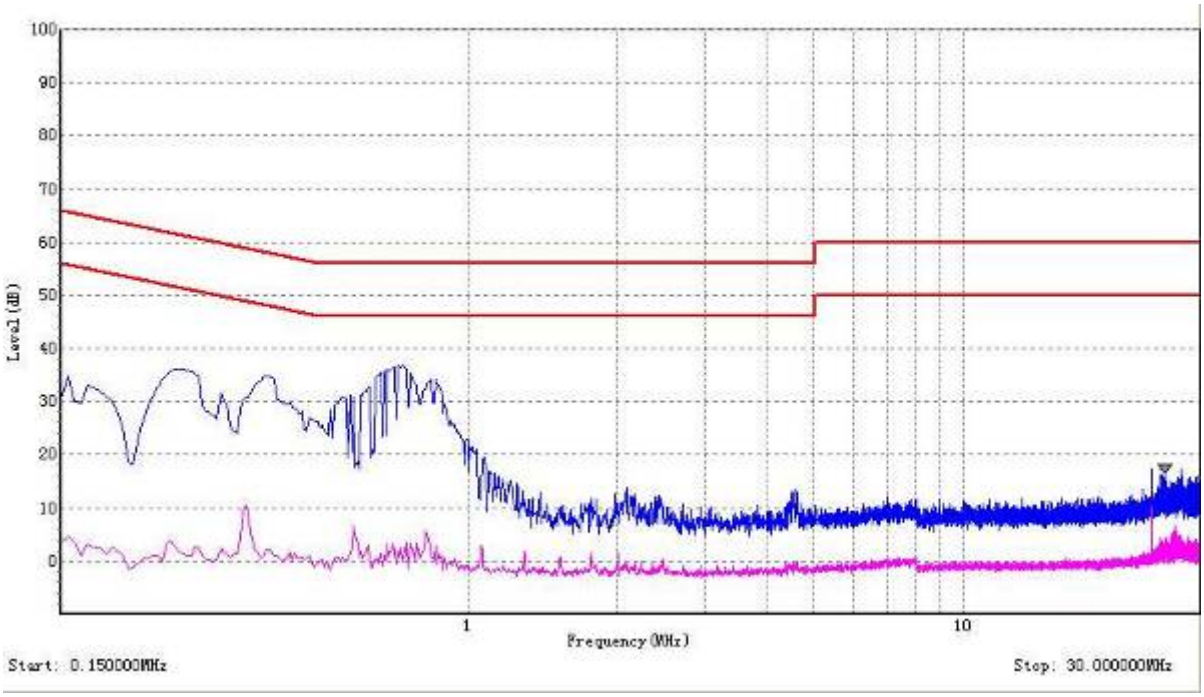


Quasi-peak and Average measurement

Freq. (MHz)	Line	QP (dBµV)	Transducer （dB）	QP limit (dBµV)	Margin (dB)	AV (dBµV)	Transducer （dB）	AV limit (dBµV)	Margin (dB)
0.280	Live	36.27	4.20	60.83	24.56	2.60	4.20	50.83	48.23
0.405	Live	36.55	4.12	57.86	21.31	3.88	4.12	47.86	43.98
0.745	Live	34.58	4.06	56.00	21.42	2.69	4.06	46.00	43.31
0.855	Live	36.03	4.05	56.00	19.97	3.58	4.05	46.00	42.42
7.870	Live	12.36	3.81	60.00	47.64	0.56	3.81	50.00	49.44
24.00	Live	14.48	3.51	60.00	45.52	7.10	3.51	50.00	42.90

Neutral Line, Model: A25; Mode: Transmitting Data by Adapter

Peak Scan

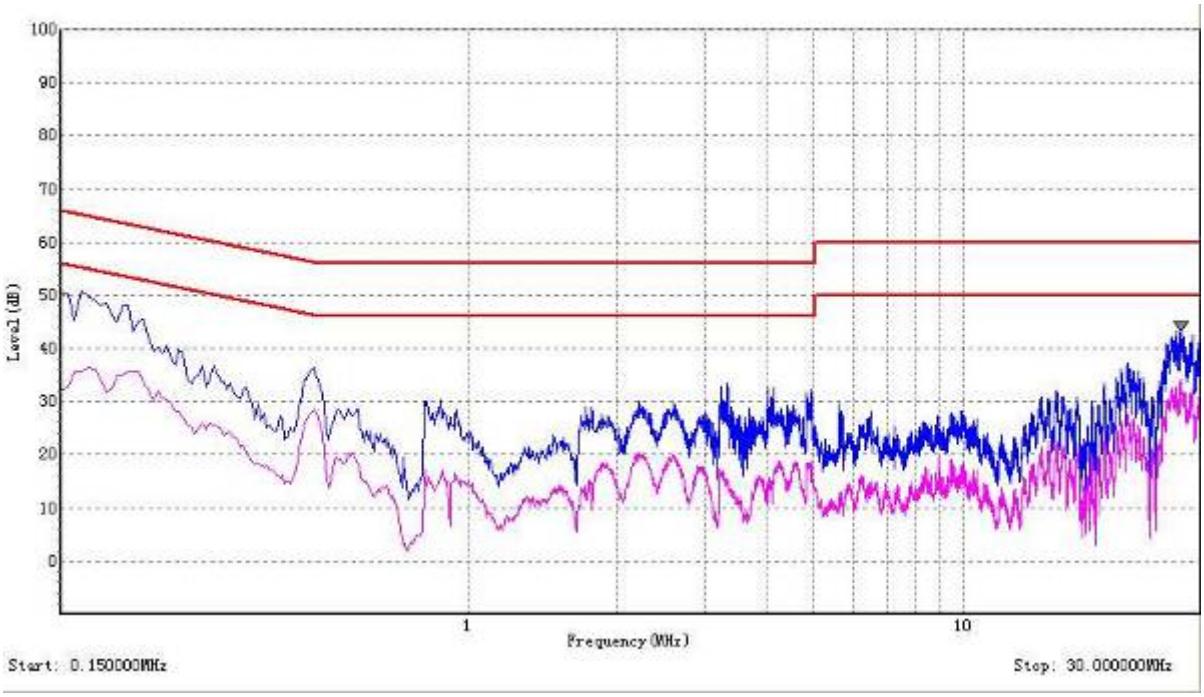


Quasi-peak and Average measurement

Freq. (MHz)	Line	QP (dBµV)	Transducer （dB）	QP limit (dBµV)	Margin (dB)	AV (dBµV)	Transducer （dB）	AV limit (dBµV)	Margin (dB)
0.255	Neutral	36.28	4.23	61.60	25.32	2.60	4.23	51.60	49.00
0.390	Neutral	34.91	4.13	58.08	23.17	2.10	4.13	48.08	45.98
0.740	Neutral	36.84	4.06	56.00	19.16	0.56	4.06	46.00	45.44
4.585	Neutral	13.56	3.91	56.00	42.44	0.51	3.91	46.00	45.49
24.00	Neutral	17.48	3.51	60.00	42.52	10.19	3.51	50.00	39.81
25.40	Neutral	17.28	3.50	60.00	42.72	1.81	3.50	50.00	48.19

Live Line, Model: A25; Mode: Transmitting Data via an USB cable to Notebook

Peak Scan

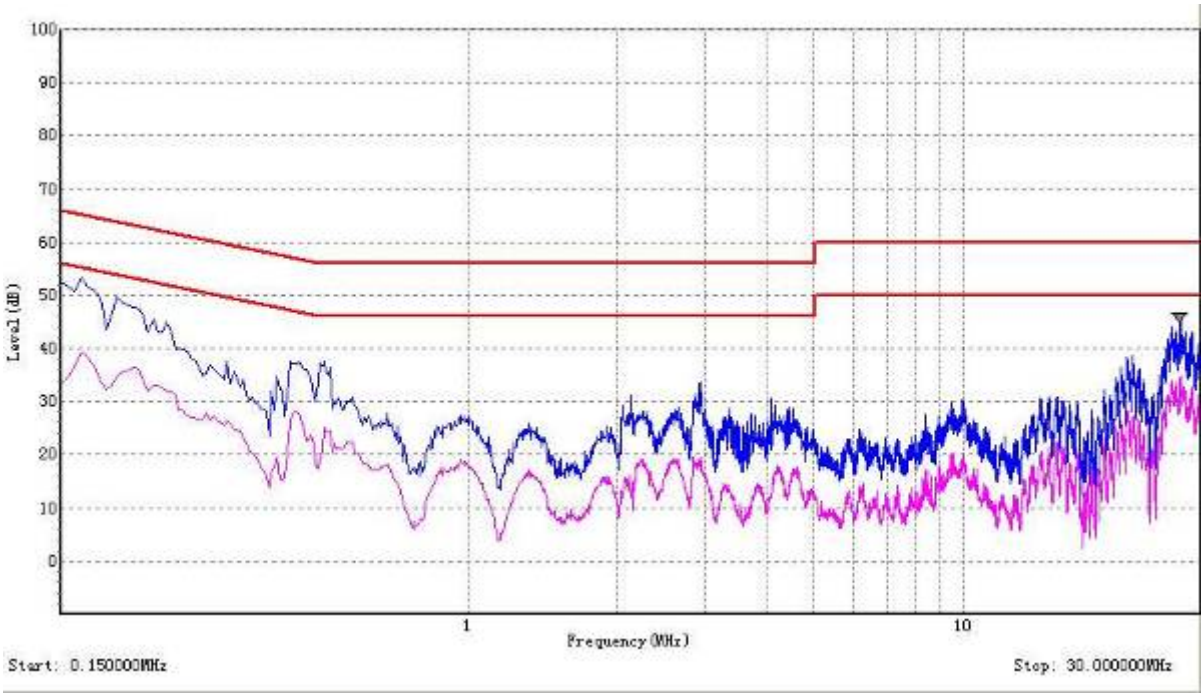


Quasi-peak and Average measurement

Freq. (MHz)	Line	QP (dBµV)	Transducer （dB）	QP limit (dBµV)	Margin (dB)	AV (dBµV)	Transducer （dB）	AV limit (dBµV)	Margin (dB)
0.165	Live	50.94	4.58	65.23	14.29	35.68	4.58	55.23	19.55
0.485	Live	36.45	4.10	56.32	19.87	28.32	4.10	46.32	18.00
0.875	Live	30.32	4.05	56.00	25.68	15.77	4.05	46.00	30.23
3.320	Live	33.36	3.96	56.00	22.64	15.03	3.96	46.00	30.97
21.48	Live	37.13	3.52	60.00	22.87	26.81	3.52	50.00	23.19
27.37	Live	44.06	3.50	60.00	15.94	33.75	3.50	50.00	16.25

Neutral Line, Model: A25; Mode: Transmitting Data via an USB cable to Notebook

Peak Scan

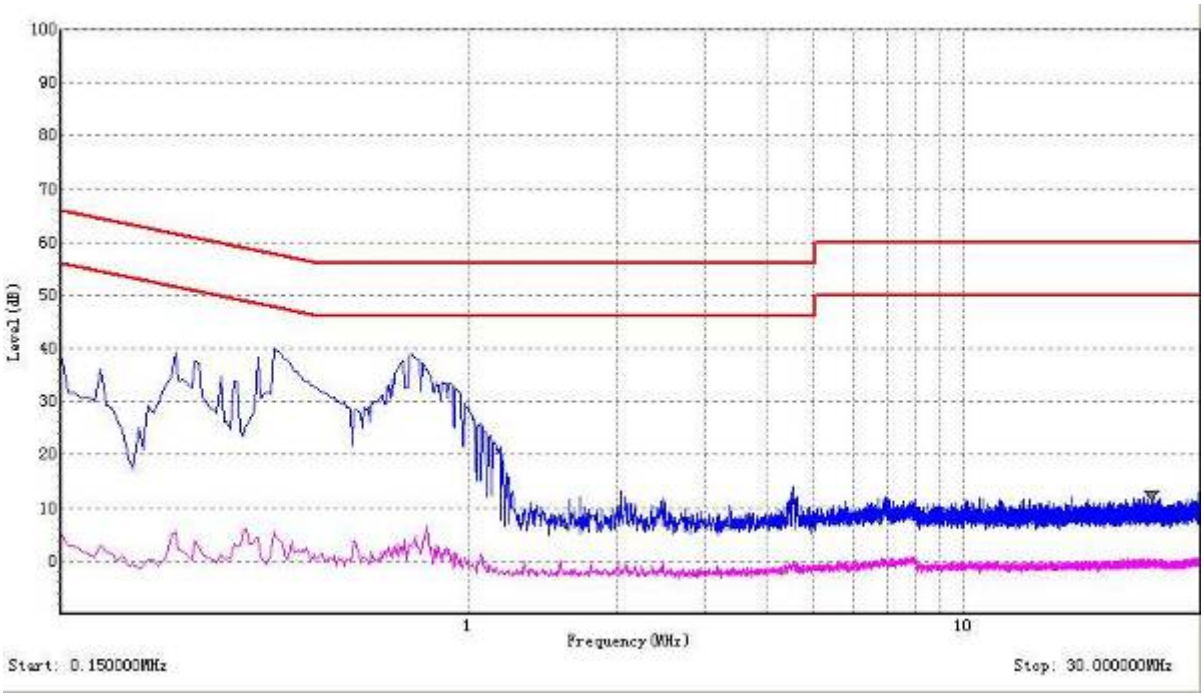


Quasi-peak and Average measurement

Freq. (MHz)	Line	QP (dBµV)	Transducer （dB）	QP limit (dBµV)	Margin (dB)	AV (dBµV)	Transducer （dB）	AV limit (dBµV)	Margin (dB)
0.165	Neutral	53.36	4.58	65.23	11.87	39.12	4.58	55.23	16.11
0.195	Neutral	49.75	4.43	63.91	14.16	34.78	4.43	53.91	19.13
0.510	Neutral	37.50	4.09	56.00	18.50	25.06	4.09	46.00	20.94
2.940	Neutral	33.64	3.97	56.00	22.36	16.92	3.97	46.00	29.08
21.93	Neutral	38.56	3.52	60.00	21.44	26.85	3.52	50.00	23.15
27.33	Neutral	45.77	3.50	60.00	14.23	34.55	3.50	50.00	15.45

Live Line, Model: A49; Mode: Transmitting Data by Adapter

Peak Scan

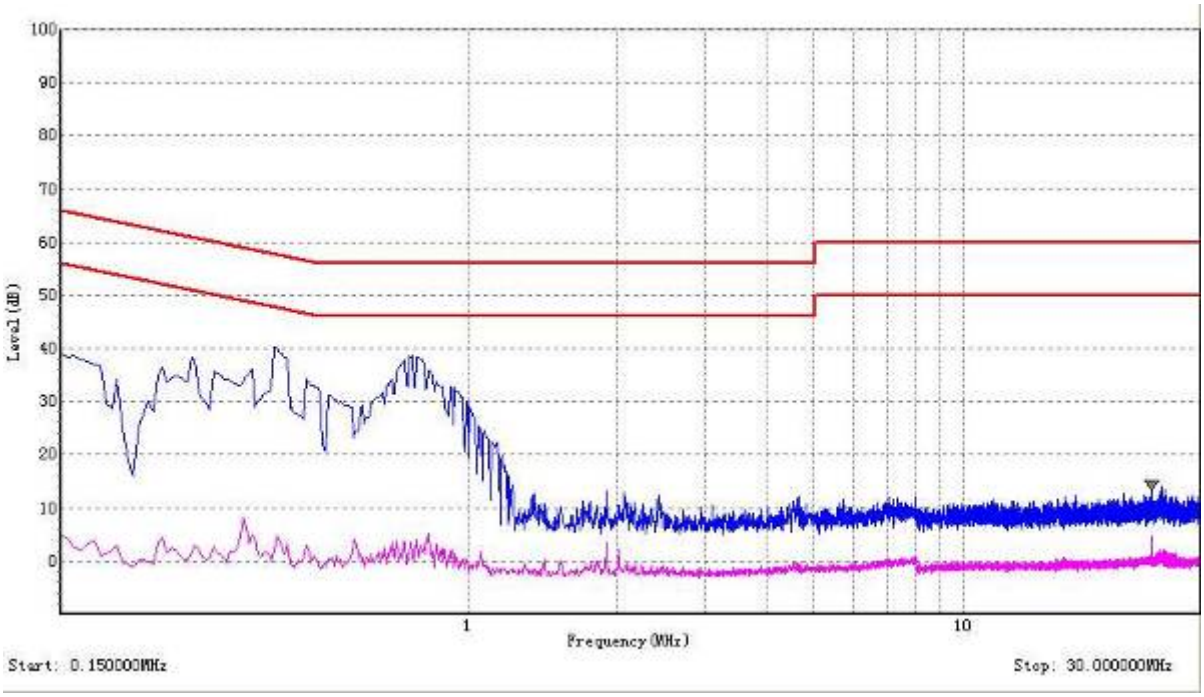


Quasi-peak and Average measurement

Freq. (MHz)	Line	QP (dBµV)	Transducer （dB）	QP limit (dBµV)	Margin (dB)	AV (dBµV)	Transducer （dB）	AV limit (dBµV)	Margin (dB)
0.255	Live	39.33	4.23	61.60	22.27	5.42	4.23	51.60	46.18
0.405	Live	40.05	4.12	57.86	17.81	5.55	4.12	47.86	42.31
0.770	Live	38.85	4.06	56.00	17.15	2.63	4.06	46.00	43.37
4.525	Live	13.96	3.92	56.00	42.04	-0.82	3.92	46.00	46.82
6.925	Live	12.10	3.84	60.00	47.90	-0.34	3.84	50.00	50.34
23.96	Live	12.41	3.51	60.00	47.59	0.04	3.51	50.00	49.96

Neutral Line, Model: A49; Mode: Transmitting Data by Adapter

Peak Scan

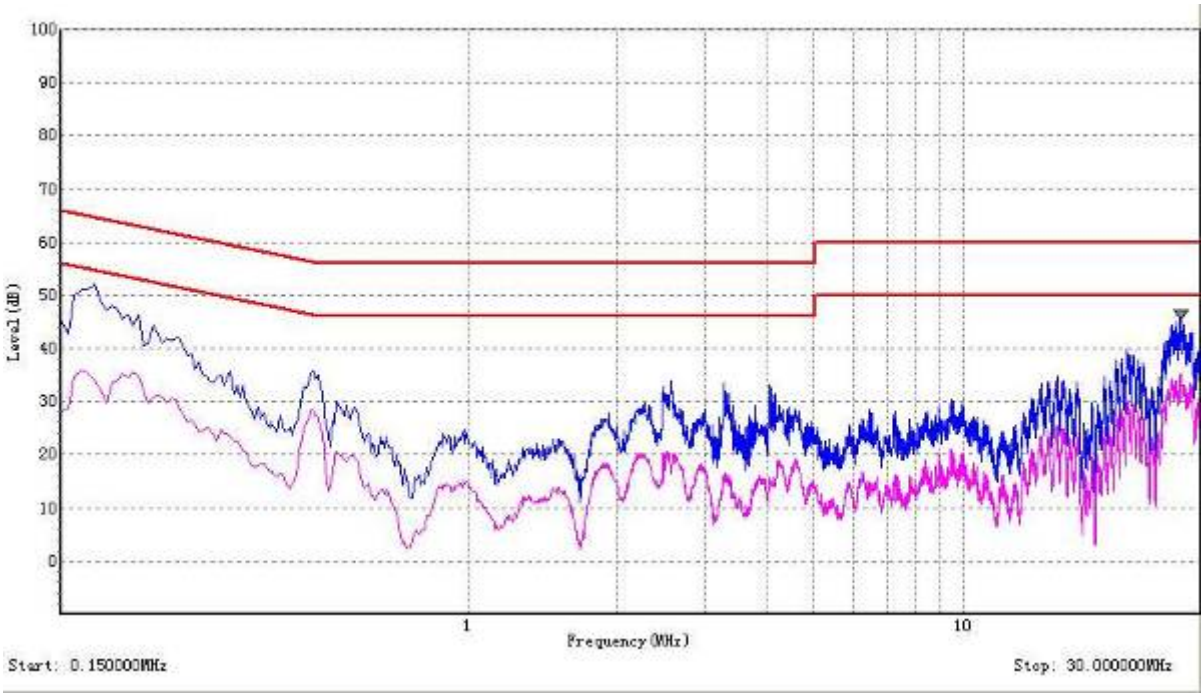


Quasi-peak and Average measurement

Freq. (MHz)	Line	QP (dBµV)	Transducer （dB）	QP limit (dBµV)	Margin (dB)	AV (dBµV)	Transducer （dB）	AV limit (dBµV)	Margin (dB)
0.150	Neutral	38.98	4.67	66.00	27.02	4.88	4.67	56.00	51.12
0.405	Neutral	40.17	4.12	57.86	17.69	1.99	4.12	47.86	45.87
0.760	Neutral	38.77	4.06	56.00	17.23	0.78	4.06	46.00	45.22
1.895	Neutral	13.26	4.00	56.00	42.74	3.57	4.00	46.00	42.43
7.975	Neutral	12.06	3.81	60.00	47.94	0.25	3.81	50.00	49.75
24.00	Neutral	14.19	3.51	60.00	45.81	4.59	3.51	50.00	45.41

Live Line, Model: A49; Mode: Transmitting Data via an USB cable to Notebook

Peak Scan

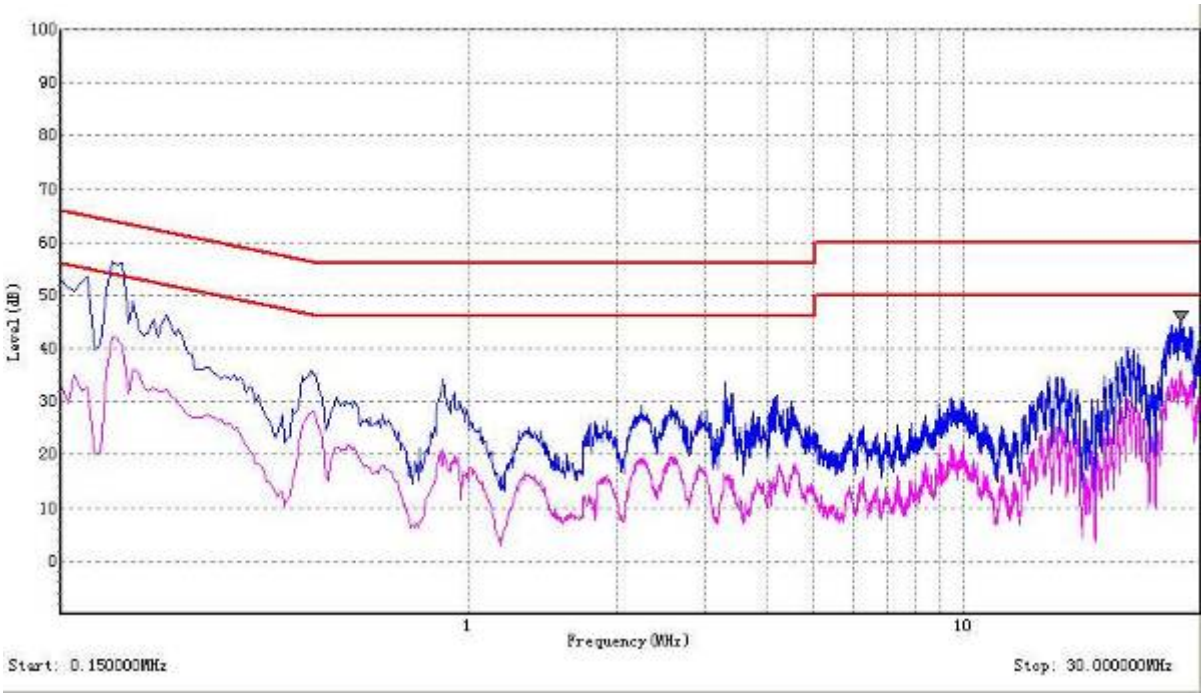


Quasi-peak and Average measurement

Freq. (MHz)	Line	QP (dBµV)	Transducer （dB）	QP limit (dBµV)	Margin (dB)	AV (dBµV)	Transducer （dB）	AV limit (dBµV)	Margin (dB)
0.175	Live	52.20	4.53	64.79	12.59	33.98	4.53	54.79	20.81
0.485	Live	35.63	4.10	56.32	20.69	28.27	4.10	46.32	18.05
2.565	Live	33.96	3.98	56.00	22.04	16.66	3.98	46.00	29.34
3.285	Live	33.40	3.96	56.00	22.60	15.66	3.96	46.00	30.34
21.37	Live	39.76	3.52	60.00	20.24	29.40	3.52	50.00	20.60
27.38	Live	46.37	3.50	60.00	13.63	34.82	3.50	50.00	15.18

Neutral Line, Model: A49; Mode: Transmitting Data via an USB cable to Notebook

Peak Scan

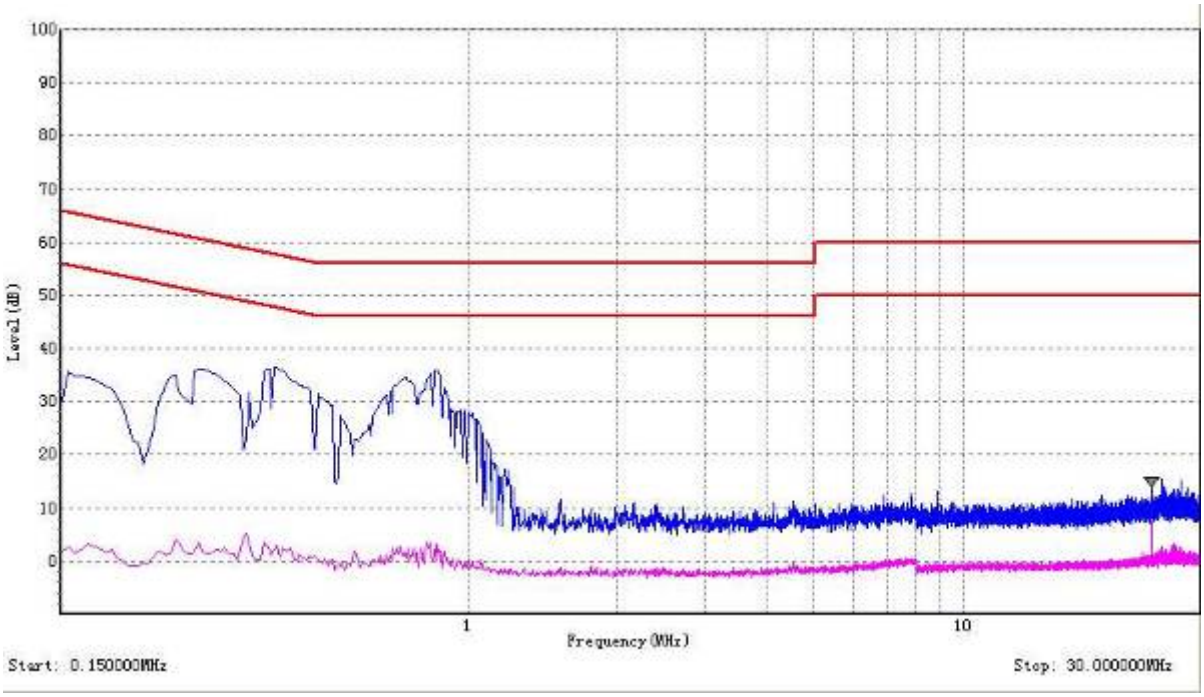


Quasi-peak and Average measurement

Freq. (MHz)	Line	QP (dBµV)	Transducer （dB）	QP limit (dBµV)	Margin (dB)	AV (dBµV)	Transducer （dB）	AV limit (dBµV)	Margin (dB)
0.190	Neutral	56.32	4.45	64.13	7.81	42.24	4.45	54.13	11.89
0.480	Neutral	35.81	4.10	56.43	20.62	27.87	4.10	46.43	18.56
0.890	Neutral	34.20	4.05	56.00	21.80	20.94	4.05	46.00	25.06
3.300	Neutral	33.54	3.96	56.00	22.46	15.83	3.96	46.00	30.17
21.38	Neutral	40.24	3.52	60.00	19.76	29.32	3.52	50.00	20.68
27.38	Neutral	45.97	3.50	60.00	14.03	34.18	3.50	50.00	15.82

Live Line, Model: A61; Mode: Transmitting Data by Adapter

Peak Scan

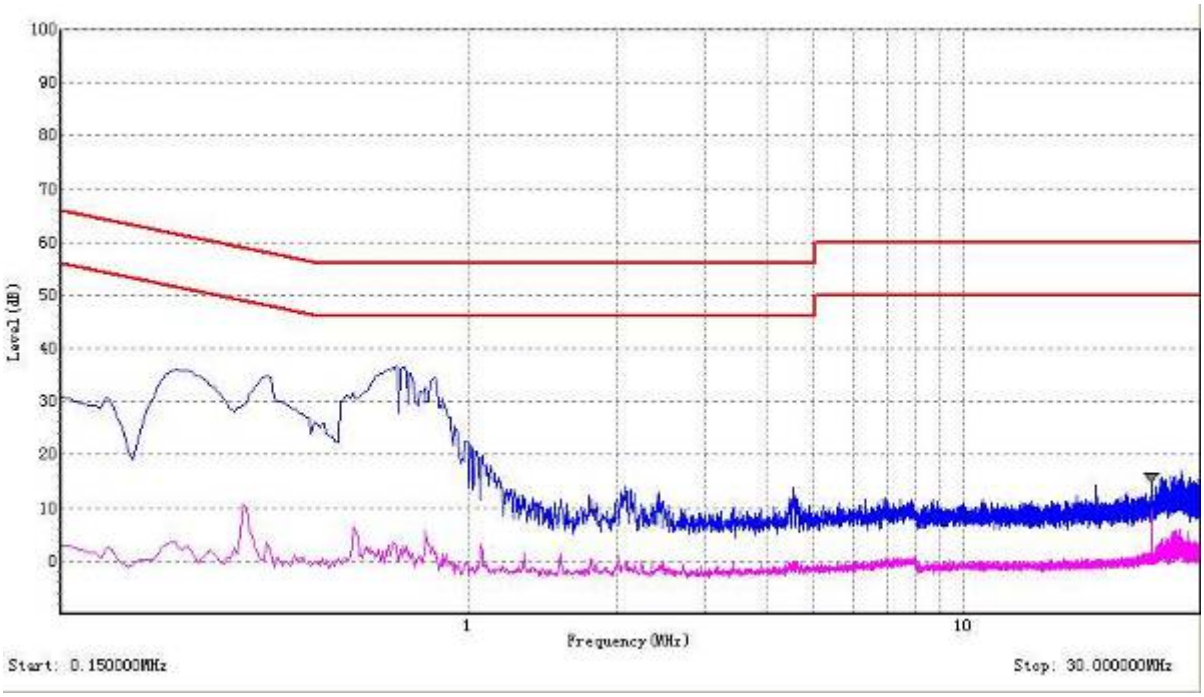


Quasi-peak and Average measurement

Freq. (MHz)	Line	QP (dBµV)	Transducer （dB）	QP limit (dBµV)	Margin (dB)	AV (dBµV)	Transducer （dB）	AV limit (dBµV)	Margin (dB)
0.285	Live	36.20	4.19	60.72	24.52	3.56	4.19	50.72	47.16
0.405	Live	36.39	4.12	57.86	21.47	2.14	4.12	47.86	45.72
0.850	Live	35.99	4.06	56.00	20.01	1.15	4.06	46.00	44.85
4.530	Live	11.20	3.92	56.00	44.80	-0.39	3.92	46.00	46.39
8.845	Live	13.12	3.78	60.00	46.88	-0.81	3.78	50.00	50.81
24.00	Live	14.96	3.51	60.00	45.04	7.33	3.51	50.00	42.67

Neutral Line, Model: A61; Mode: Transmitting Data by Adapter

Peak Scan

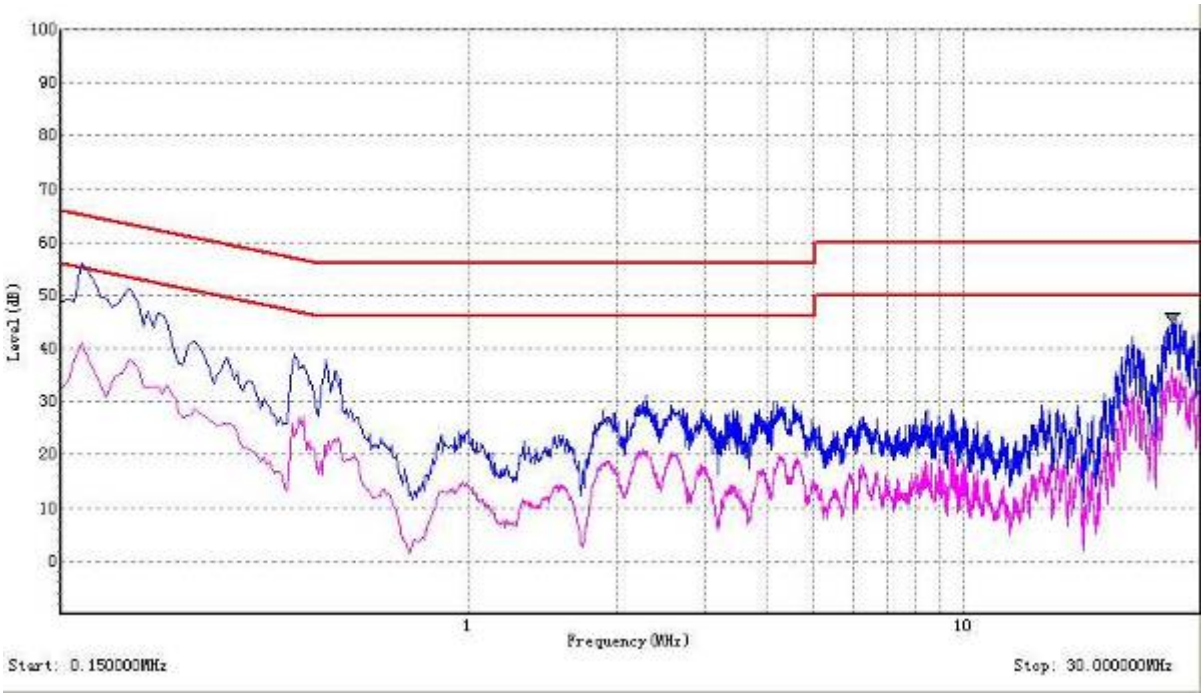


Quasi-peak and Average measurement

Freq. (MHz)	Line	QP (dBµV)	Transducer （dB）	QP limit (dBµV)	Margin (dB)	AV (dBµV)	Transducer （dB）	AV limit (dBµV)	Margin (dB)
0.255	Neutral	36.02	4.23	61.60	25.58	3.58	4.23	51.60	48.02
0.390	Neutral	34.67	4.13	58.08	23.41	3.42	4.13	48.08	44.66
0.715	Neutral	36.58	4.07	56.00	19.42	3.02	4.07	46.00	42.98
0.850	Neutral	34.36	4.06	56.00	21.64	1.42	4.06	46.00	44.58
18.43	Neutral	14.27	3.54	60.00	45.73	0.15	3.54	50.00	49.85
24.00	Neutral	15.62	3.51	60.00	44.38	9.67	3.51	50.00	40.33

Live Line, Model: A61; Mode: Transmitting Data via an USB cable to Notebook

Peak Scan

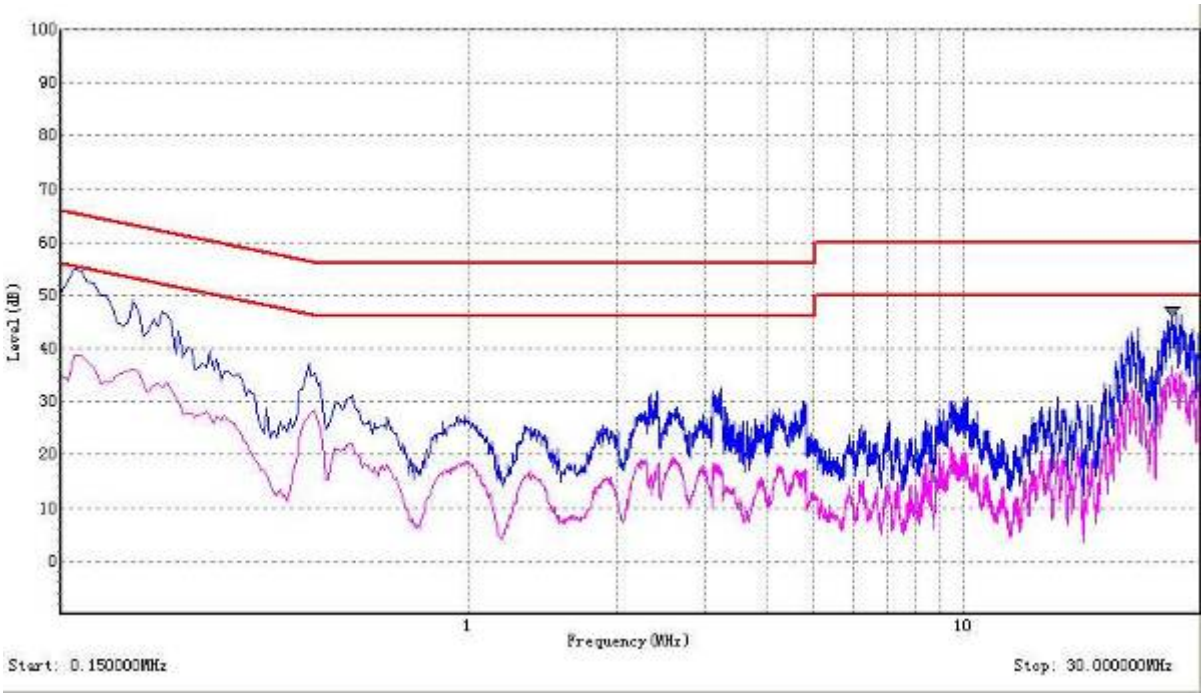


Quasi-peak and Average measurement

Freq. (MHz)	Line	QP (dBµV)	Transducer （dB）	QP limit (dBµV)	Margin (dB)	AV (dBµV)	Transducer （dB）	AV limit (dBµV)	Margin (dB)
0.165	Live	56.11	4.58	65.23	9.12	41.11	4.58	55.23	14.12
0.205	Live	51.29	4.37	63.47	12.18	37.69	4.37	53.47	15.78
0.515	Live	37.78	4.09	56.00	18.22	19.81	4.09	46.00	26.19
2.285	Live	31.24	3.99	56.00	24.76	20.42	3.99	46.00	25.58
21.88	Live	42.20	3.52	60.00	17.80	31.10	3.52	50.00	18.90
26.28	Live	45.78	3.50	60.00	14.22	35.68	3.50	50.00	14.32

Neutral Line, Model: A61; Mode: Transmitting Data via an USB cable to Notebook

Peak Scan



Quasi-peak and Average measurement

Freq. (MHz)	Line	QP (dBµV)	Transducer （dB）	QP limit (dBµV)	Margin (dB)	AV (dBµV)	Transducer （dB）	AV limit (dBµV)	Margin (dB)
0.160	Neutral	54.94	4.62	65.56	10.62	38.76	4.62	55.56	16.80
0.210	Neutral	49.01	4.35	63.25	14.24	36.22	4.35	53.25	17.03
2.390	Neutral	32.01	3.99	56.00	23.99	16.58	3.99	46.00	29.42
3.220	Neutral	32.48	3.96	56.00	23.52	16.23	3.96	46.00	29.77
22.54	Neutral	43.82	3.51	60.00	16.18	30.41	3.51	50.00	19.59
26.38	Neutral	46.98	3.50	60.00	13.02	36.16	3.50	50.00	13.84

6.2 Radiated Emissions, 30MHz to 1GHz

Test Requirement:	FCC Part15 B
Test Method:	ANSI C63.4
Class:	Class B
Detector:	Peak for pre-scan (120kHz resolution bandwidth)
	Quasi-Peak if maximised peak within 6dB of limit
Test Date:	Dec. 23, 2009

6.2.1 E.U.T. Operation

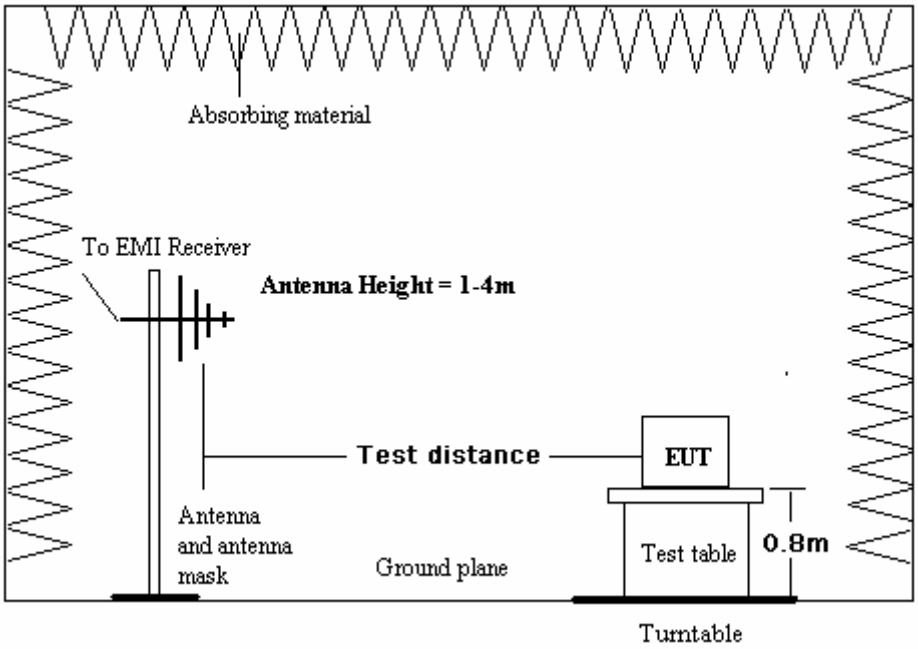
Operating Environment:

Temperature: 20°C Humidity:50% RH Atmospheric Pressure: 103.0kPa

EUT Operation:

1. Connect the EUT by AC/DC adapter or via an USB cable to notebook in 120VAC/60Hz.
2. Test the EUT work normally in transmit data mode with notebook.

6.2.2 Test Setup

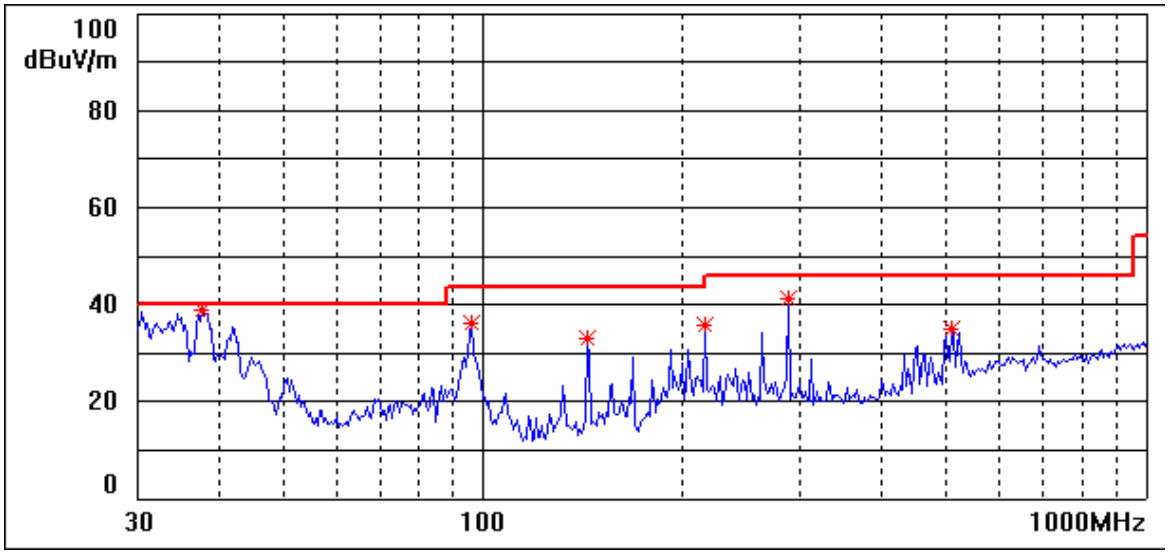


6.2.3 Measurement Data

An initial pre-scan was performed in the 3m chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by Bilog antenna with 2 orthogonal polarities

Horizontal, Model: A25; Mode: Transmitting Data by Adapter

Peak Scan



Quasi-peak measurement

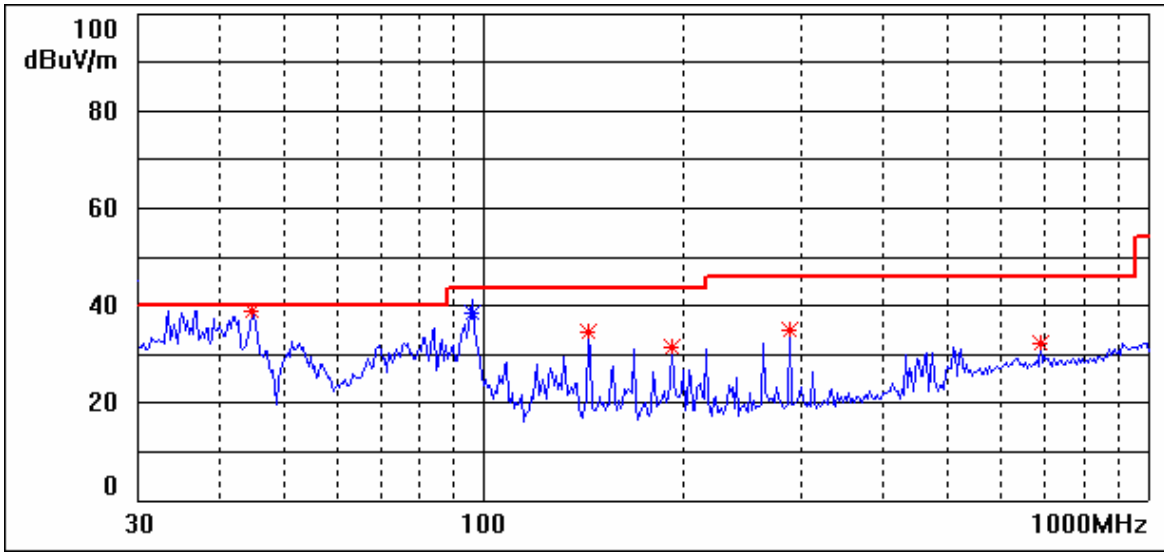
Frequency	Level	Transducer	Limit	Margin
MHz	dBuV/m	dB	dBuV/m	dB
37.7	38.7	14.9	40	1.3
96.0	36.3	10.2	43.5	7.2
144.0	33.0	10.0	43.5	10.5
216.0	35.8	12.8	43.5	7.7
288.0	41.0	15.9	46	5.0
509.4	34.9	20.9	46	11.1

Note:

The transducer factor includes antenna factor and cable loss.

Vertical, Mode: Model: A25; Mode: Transmitting Data by Adapter

Peak Scan



Quasi-peak measurement

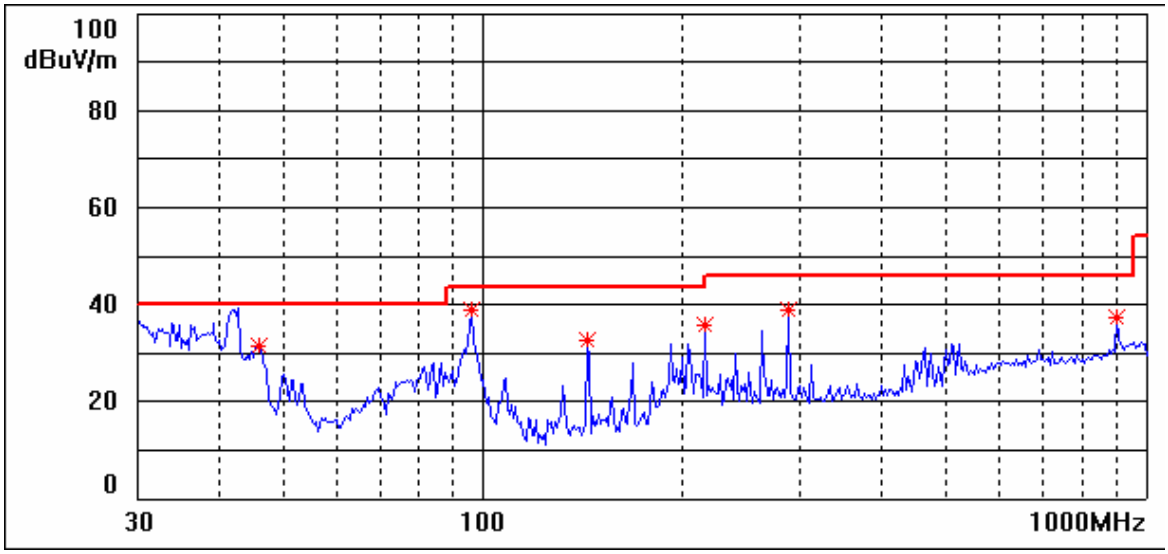
Frequency	Level	Transducer	Limit	Margin
MHz	dBuV/m	dB	dBuV/m	dB
44.8	38.8	12.0	40	1.2
96.0	38.6	10.2	43.5	4.9
144.0	34.4	10.0	43.5	9.1
192.0	31.5	11.8	43.5	12.0
288.0	34.9	15.9	46	11.1
690.0	32.1	24.9	46	13.9

Note:

The transducer factor includes antenna factor and cable loss.

Horizontal, Model: A25; Mode: Transmitting Data via an USB cable to Notebook

Peak Scan



Quasi-peak measurement

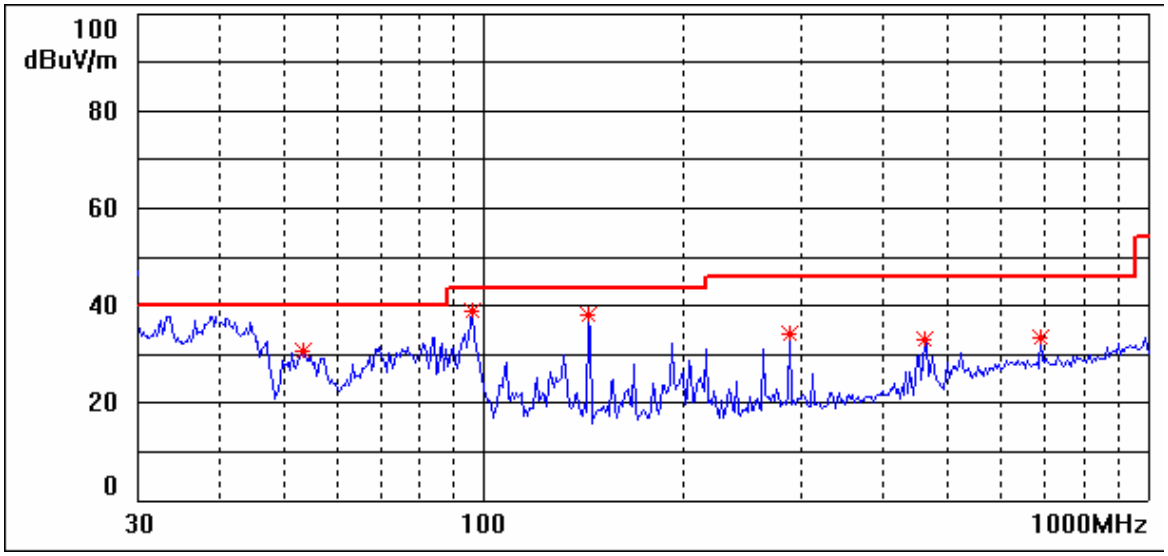
Frequency	Level	Transducer	Limit	Margin
MHz	dBuV/m	dB	dBuV/m	dB
45.9	31.6	11.5	40	8.4
96.0	39.0	10.2	43.5	4.5
144.0	32.6	10.0	43.5	10.9
216.0	35.8	12.8	43.5	7.7
288.0	39.0	15.9	46	7.0
900.8	37.2	27.5	46	8.8

Note:

The transducer factor includes antenna factor and cable loss.

Vertical, Mode: Model: A25; Mode: Transmitting Data via an USB cable to Notebook

Peak Scan



Quasi-peak measurement

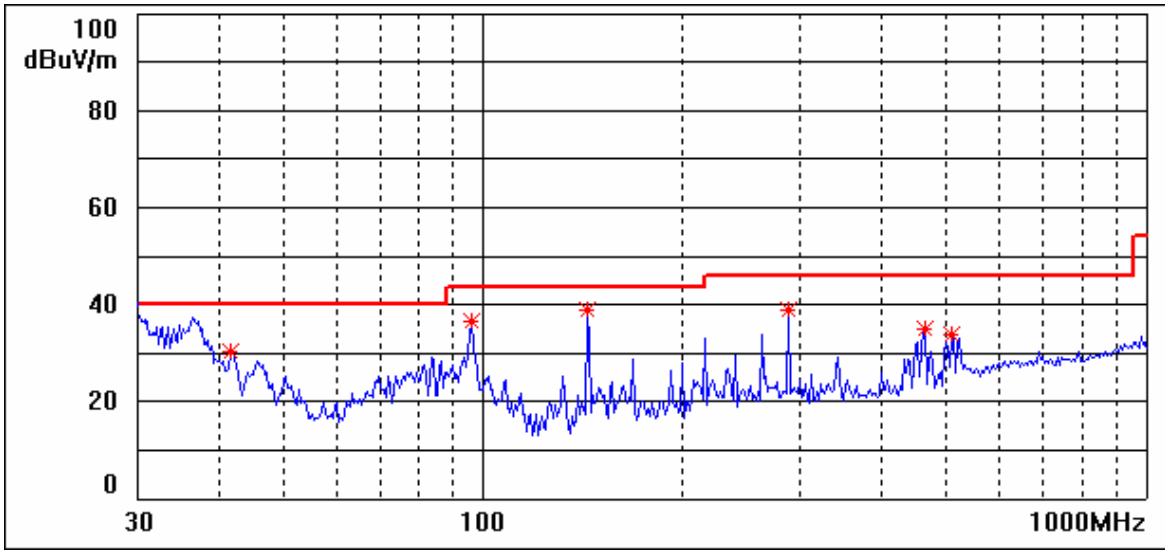
Frequency	Level	Transducer	Limit	Margin
MHz	dBuV/m	dB	dBuV/m	dB
53.3	30.8	9.3	40	9.2
95.9	38.9	10.2	43.5	4.6
144.0	38.3	10.0	43.5	5.2
288.0	34.3	15.9	46	11.7
461.8	33.1	20.0	46	12.9
690.0	33.3	24.9	46	12.7

Note:

The transducer factor includes antenna factor and cable loss.

Horizontal, Model: A49; Mode: Transmitting Data by Adapter

Peak Scan



Quasi-peak measurement

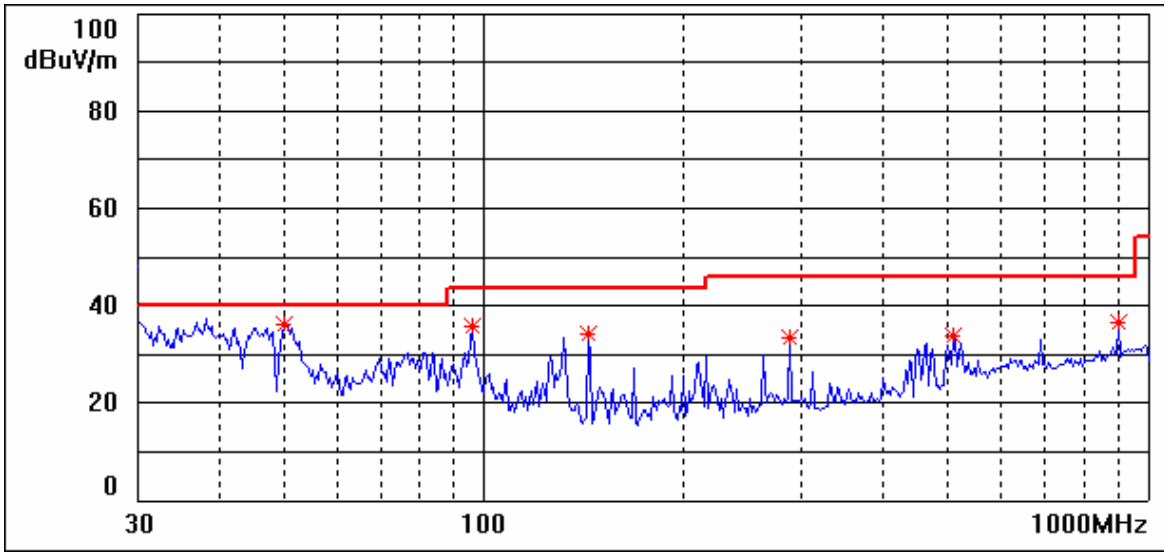
Frequency	Level	Transducer	Limit	Margin
MHz	dBuV/m	dB	dBuV/m	dB
41.7	30.4	13.3	40	9.6
96.0	36.6	10.2	43.5	6.9
144.0	39.0	10.0	43.5	4.5
288.0	39.0	15.9	46	7.0
462.8	35.0	20.0	46	11.0
509.4	34.0	20.9	46	12.0

Note:

The transducer factor includes antenna factor and cable loss.

Vertical, Mode: Model: A49; Mode: Transmitting Data by Adapter

Peak Scan



Quasi-peak measurement

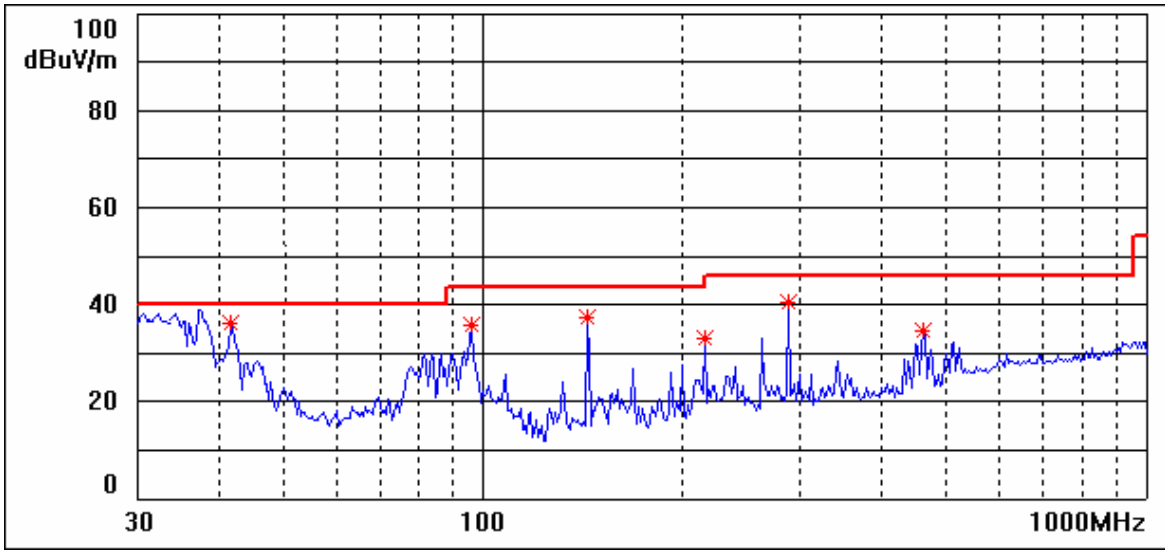
Frequency	Level	Transducer	Limit	Margin
MHz	dBuV/m	dB	dBuV/m	dB
50.1	36.1	9.8	40	3.9
96.0	35.8	10.2	43.5	7.7
144.0	34.1	10.0	43.5	9.4
288.0	33.3	15.9	46	12.8
509.8	33.9	20.9	46	12.1
900.6	36.4	27.5	46	9.6

Note:

The transducer factor includes antenna factor and cable loss.

Horizontal, Model: A49; Mode: Transmitting Data via an USB cable to Notebook

Peak Scan



Quasi-peak measurement

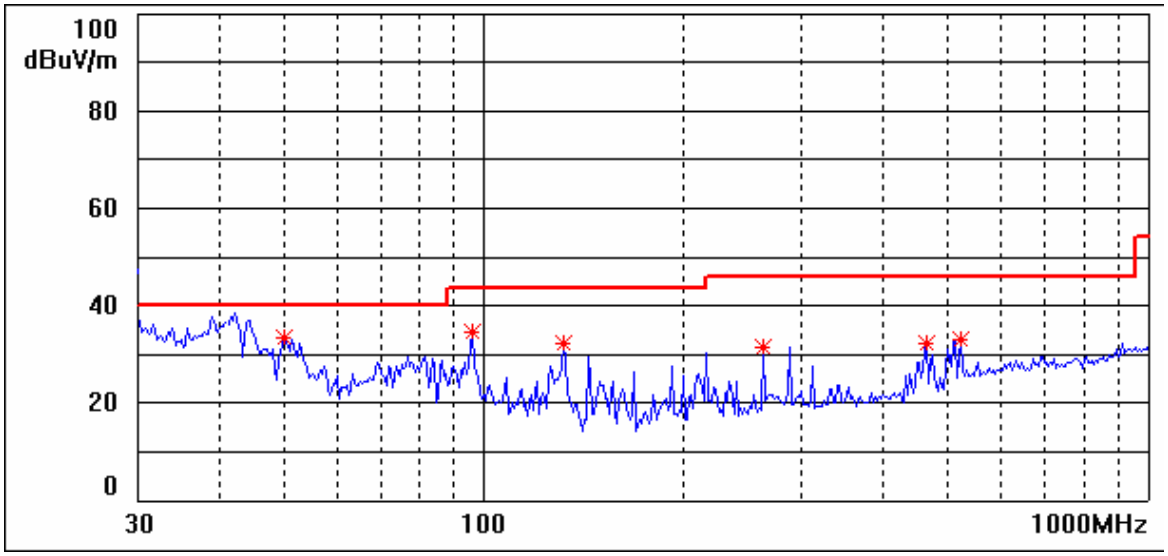
Frequency	Level	Transducer	Limit	Margin
MHz	dBuV/m	dB	dBuV/m	dB
41.7	36.3	13.3	40	3.8
96.0	35.9	10.2	43.5	7.6
144.0	37.3	10.0	43.5	6.2
216.0	33.1	12.8	43.5	10.4
288.0	40.5	15.9	46	5.5
461.4	34.6	20.0	46	11.4

Note:

The transducer factor includes antenna factor and cable loss.

Vertical, Mode: Model: A49; Mode: Transmitting Data via an USB cable to Notebook

Peak Scan



Quasi-peak measurement

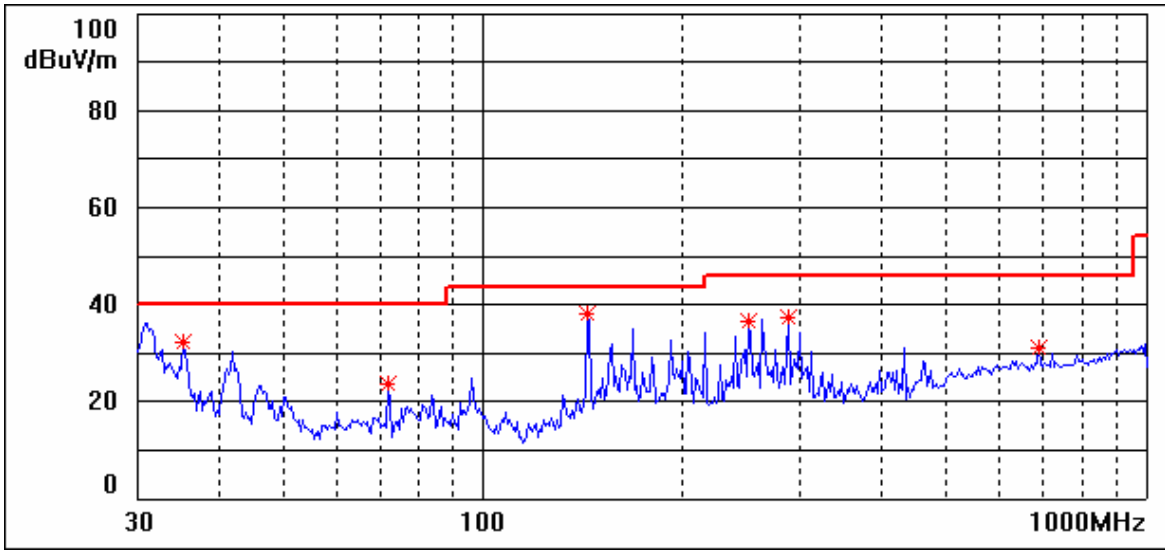
Frequency	Level	Transducer	Limit	Margin
MHz	dBuV/m	dB	dBuV/m	dB
49.9	33.5	9.8	40	6.5
96.0	34.7	10.2	43.5	8.8
132.0	32.4	9.4	43.5	11.1
264.0	31.5	14.8	46	14.5
462.7	32.3	20.0	46	13.7
522.7	32.9	21.5	46	13.1

Note:

The transducer factor includes antenna factor and cable loss.

Horizontal, Model: A61; Mode: Transmitting Data by Adapter

Peak Scan



Quasi-peak measurement

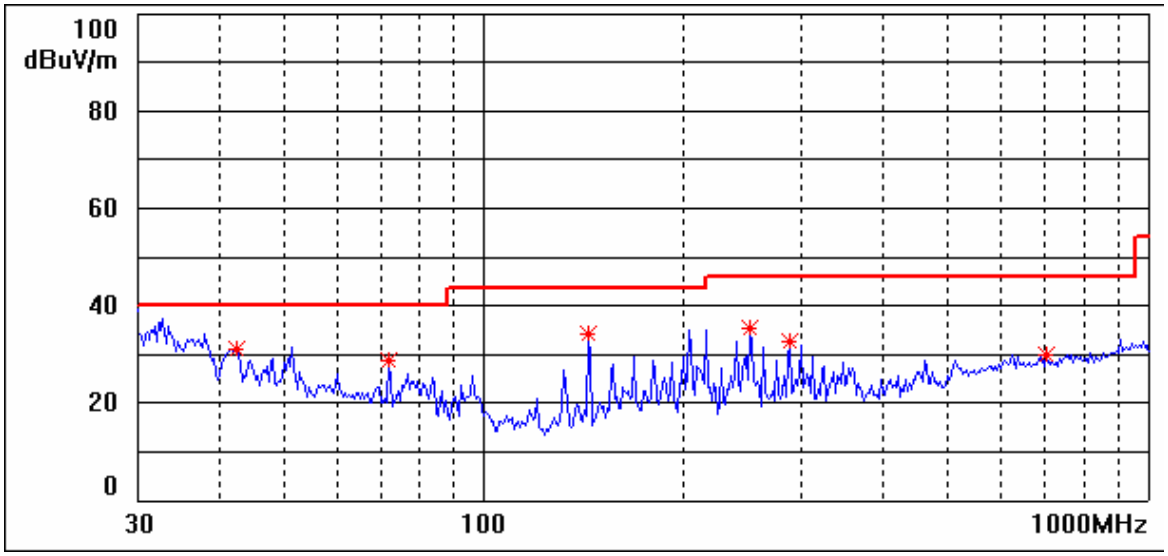
Frequency	Level	Transducer	Limit	Margin
MHz	dBuV/m	dB	dBuV/m	dB
35.2	32.4	15.9	40	7.6
72.0	23.5	8.1	40	16.5
144.0	38.0	10.0	43.5	5.5
251.9	36.5	14.3	46	9.5
288.0	37.3	15.9	46	8.7
690.0	30.9	24.9	46	15.1

Note:

The transducer factor includes antenna factor and cable loss.

Vertical, Mode: Model: A61; Mode: Transmitting Data by Adapter

Peak Scan



Quasi-peak measurement

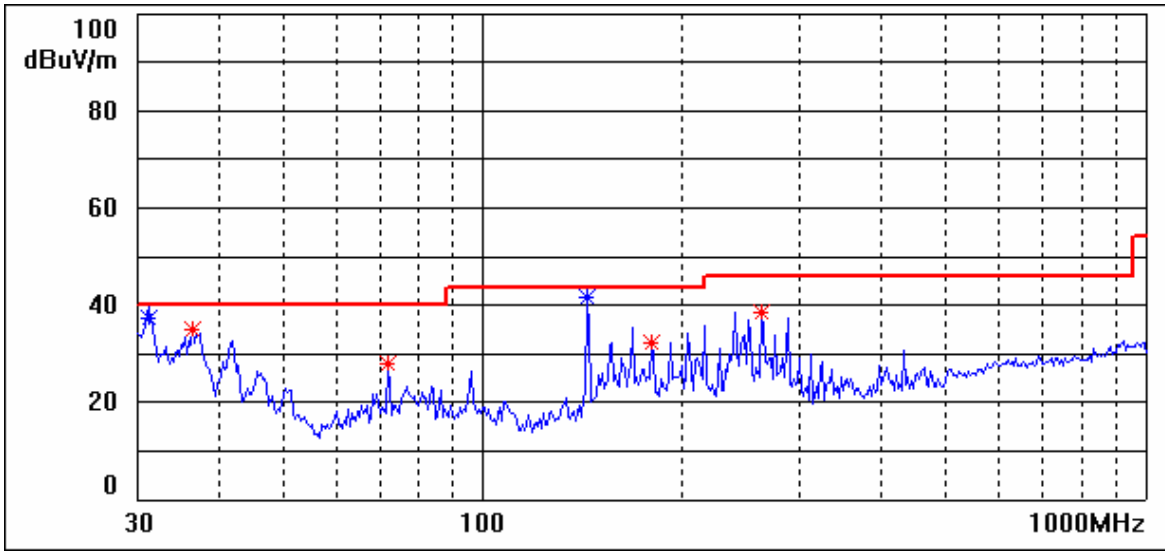
Frequency	Level	Transducer	Limit	Margin
MHz	dBuV/m	dB	dBuV/m	dB
42.5	31.2	12.9	40	8.8
72.0	28.7	8.1	40	11.3
144.0	34.3	10.0	43.5	9.2
252.1	35.4	14.3	46	10.6
288.0	32.8	15.9	46	13.2
704.6	30.0	25.1	46	16.0

Note:

The transducer factor includes antenna factor and cable loss.

Horizontal, Model: A61; Mode: Transmitting Data via an USB cable to Notebook

Peak Scan



Quasi-peak measurement

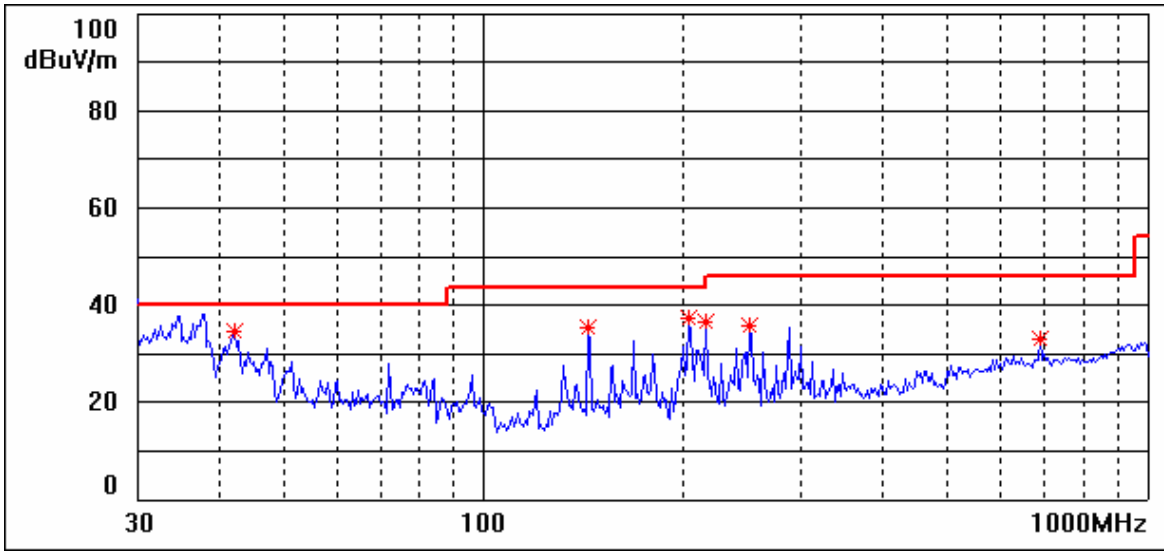
Frequency	Level	Transducer	Limit	Margin
MHz	dBuV/m	dB	dBuV/m	dB
31.3	37.4	17.5	40	2.6
36.4	35.1	15.4	40	4.9
72.0	27.9	8.1	40	12.1
144.0	41.6	10.0	43.5	1.9
180.1	32.1	11.5	43.5	11.4
264.0	38.7	14.8	46	7.3

Note:

The transducer factor includes antenna factor and cable loss.

Vertical, Mode: Model: A61; Mode: Transmitting Data via an USB cable to Notebook

Peak Scan



Quasi-peak measurement

Frequency	Level	Transducer	Limit	Margin
MHz	dBuV/m	dB	dBuV/m	dB
42.3	34.7	13.1	40	5.3
144.0	35.5	10.0	43.5	8.0
204.1	37.4	12.2	43.5	6.1
216.0	36.6	12.8	43.5	6.9
252.1	35.8	14.3	46	10.2
690.0	33.1	24.9	46	12.9

Note:

The transducer factor includes antenna factor and cable loss.

7. Photographs

7.1 Conducted Emission Test Setup

Model: A25; Mode: Transmitting Data by Adapter

Model: A25; Mode: Transmitting Data via an USB cable to Notebook

Model: A49; Mode: Transmitting Data by Adapter

Model: A49; Mode: Transmitting Data via an USB cable to Notebook

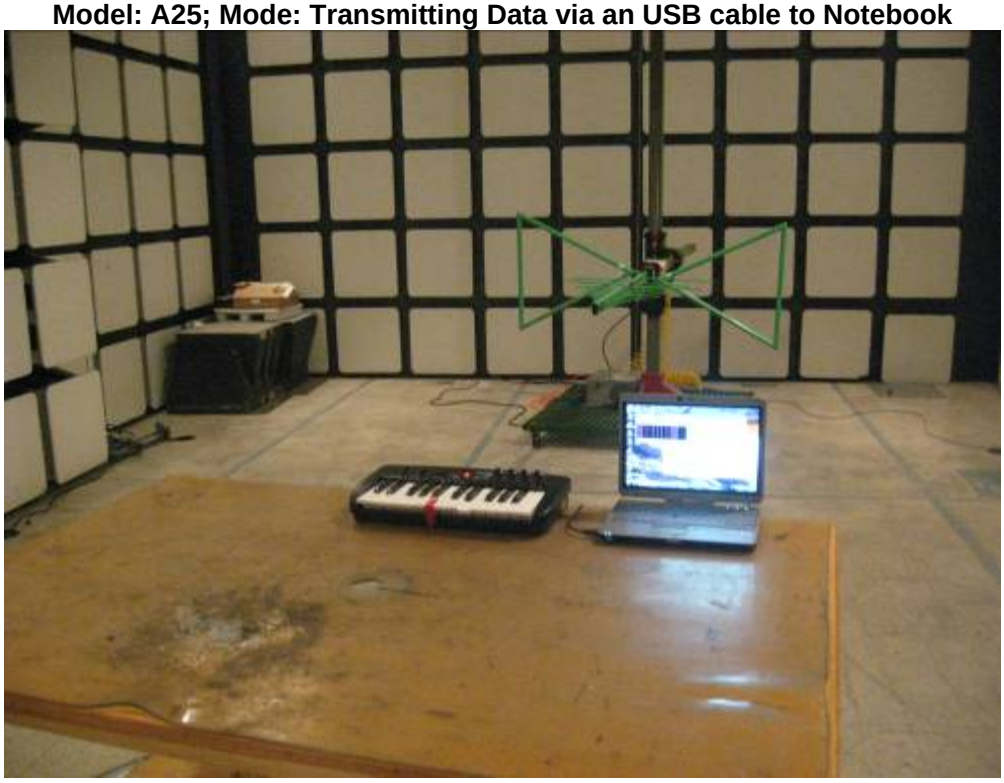
Model: A61; Mode: Transmitting Data by Adapter

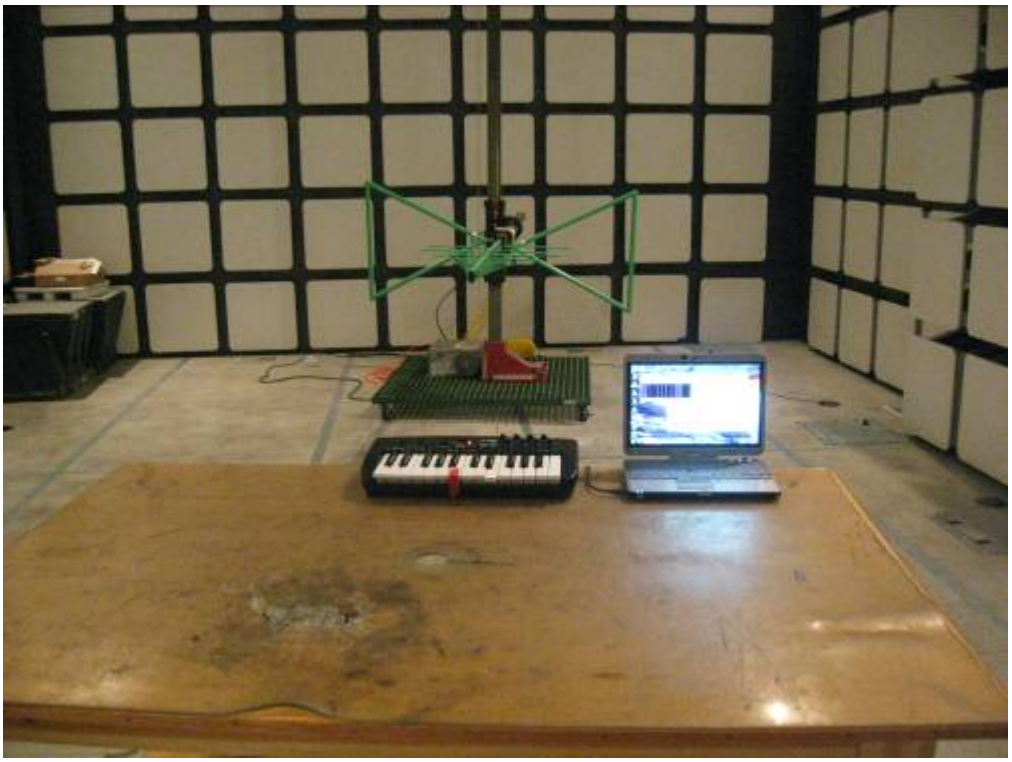
Model: A61; Mode: Transmitting Data via an USB cable to Notebook

7.2 Radiated Emission Test Setup

Model: A25; Mode: Transmitting Data by Adapter

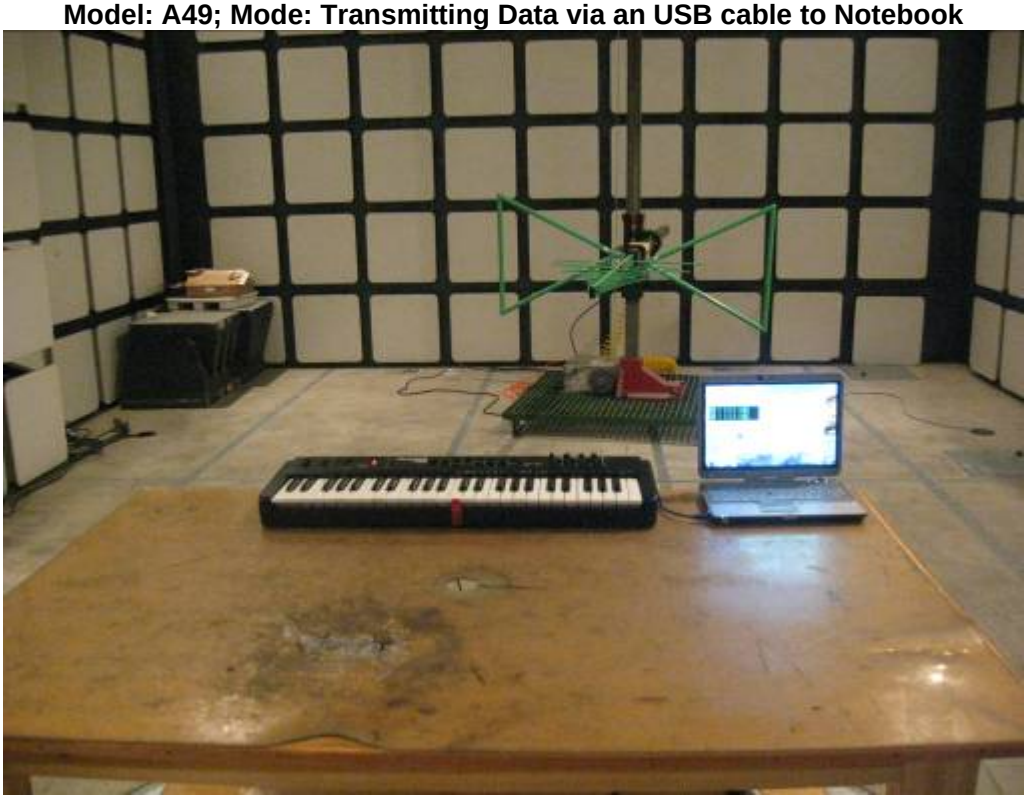
Model: A25; Mode: Transmitting Data via an USB cable to Notebook





Model: A49; Mode: Transmitting Data by Adapter

Model: A49; Mode: Transmitting Data via an USB cable to Notebook



Model: A61; Mode: Transmitting Data by Adapter

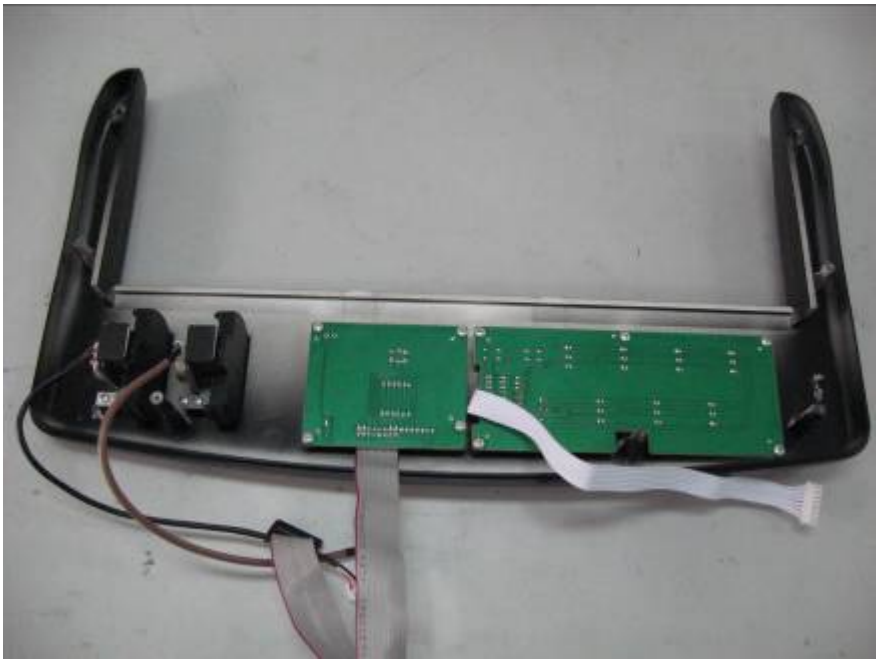
Model: A61; Mode: Transmitting Data via an USB cable to Notebook

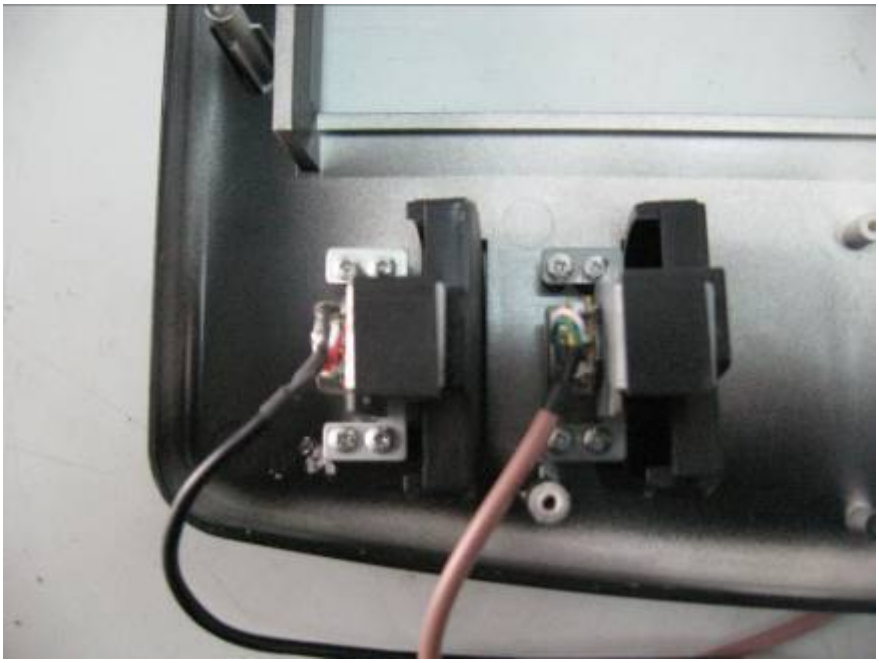
7.3 EUT Constructional Details

USB Cable:

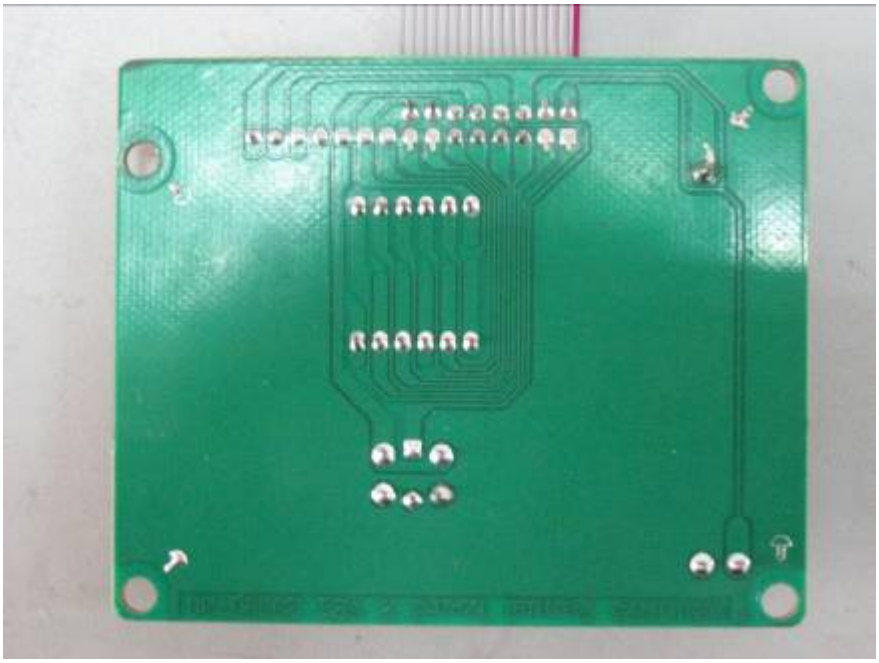
Model: A25

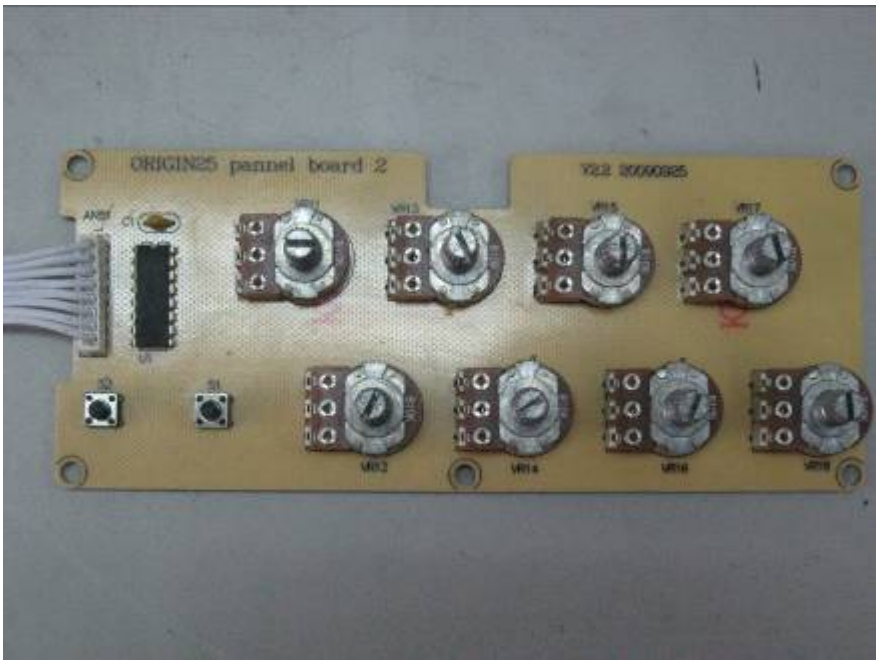

ALESIS

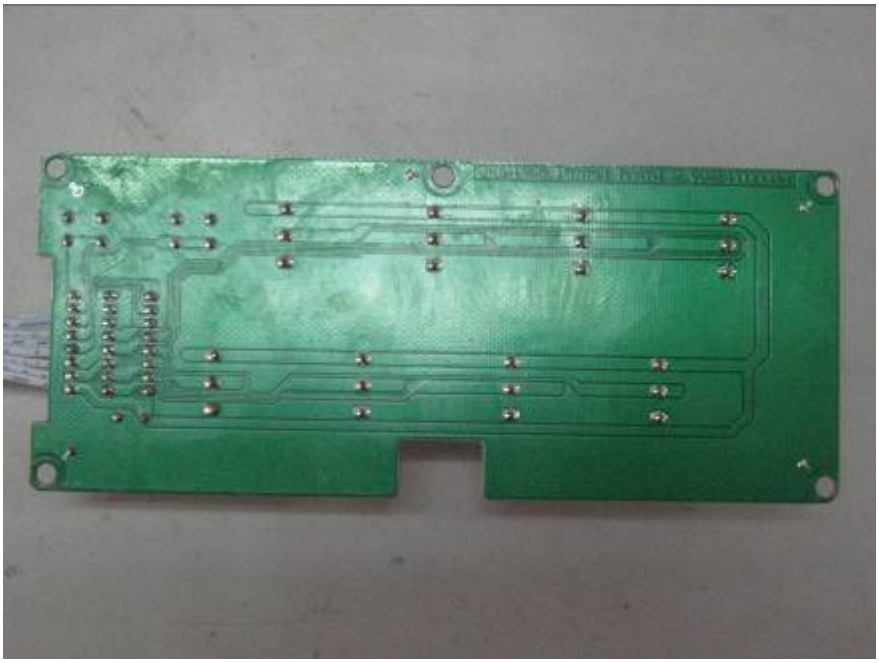


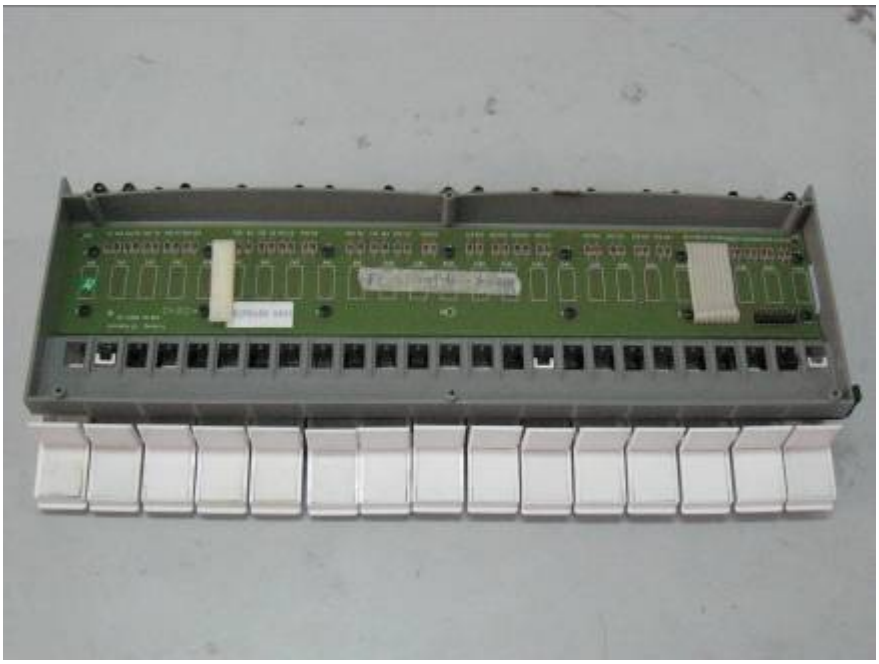


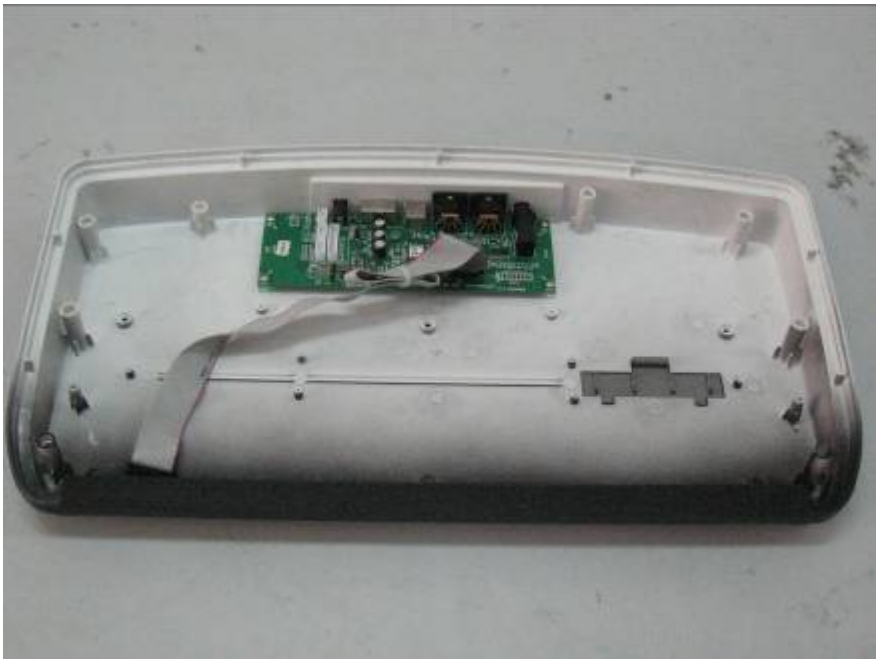

AN40
ORIGIN25 Pannel board 1
V2.1 20090730

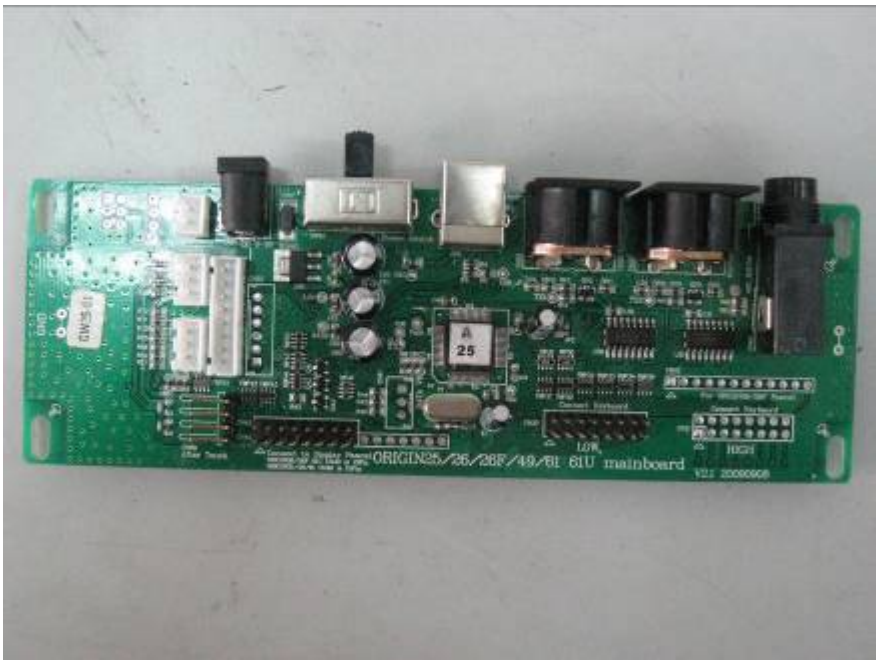


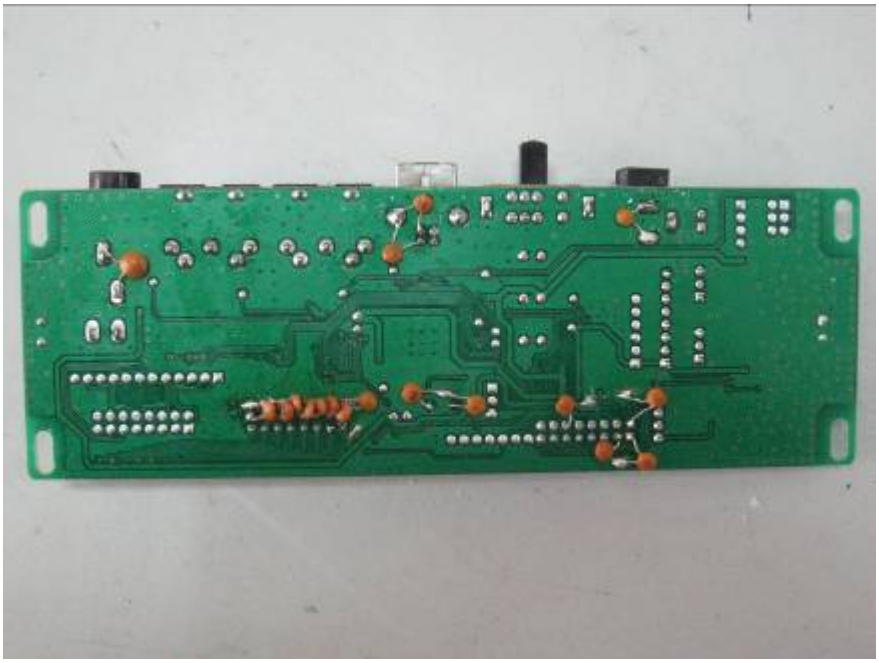

ORIGIN25 pannel board 2







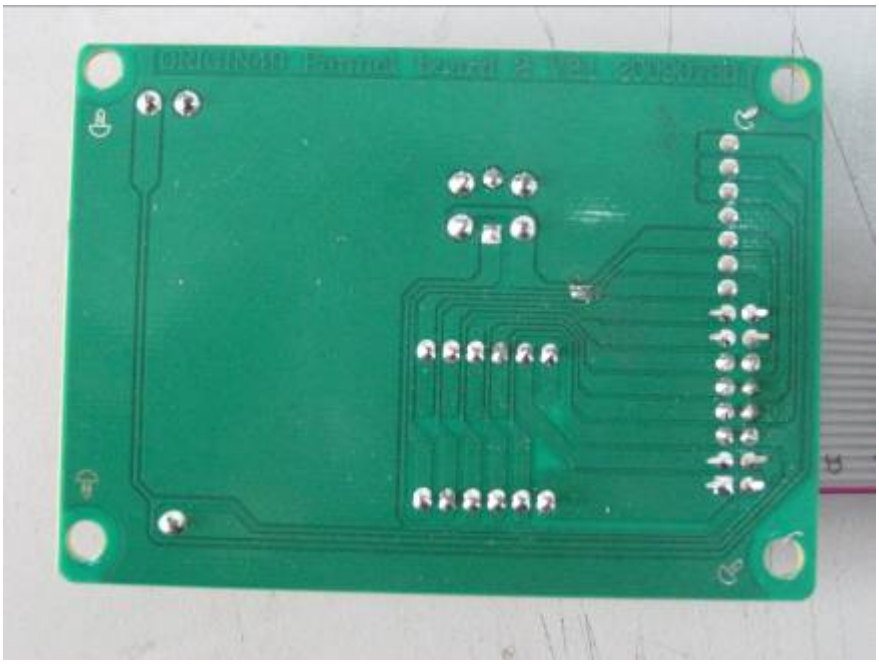

ORIGIN25/26/28F/49/61 61U mainboard

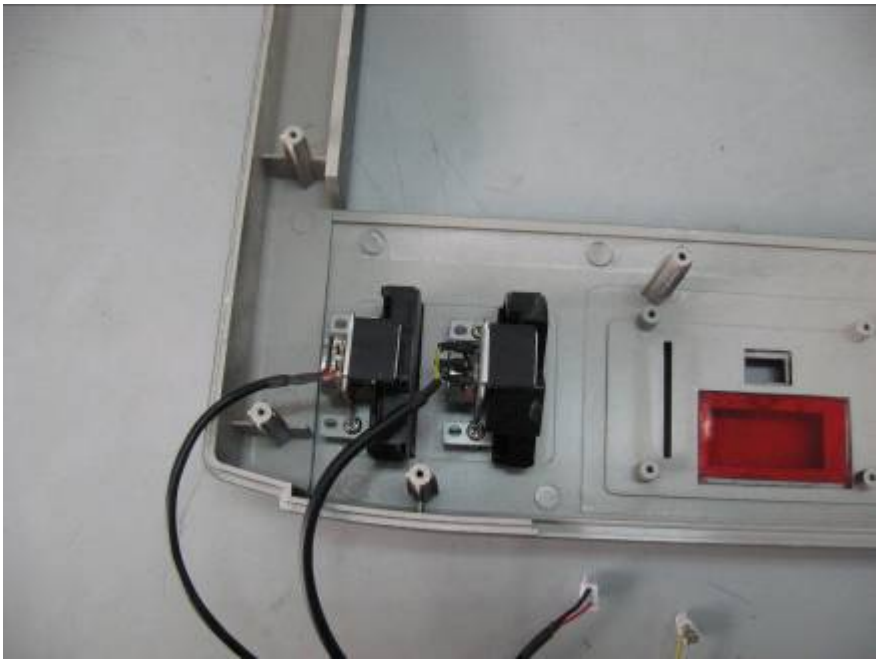


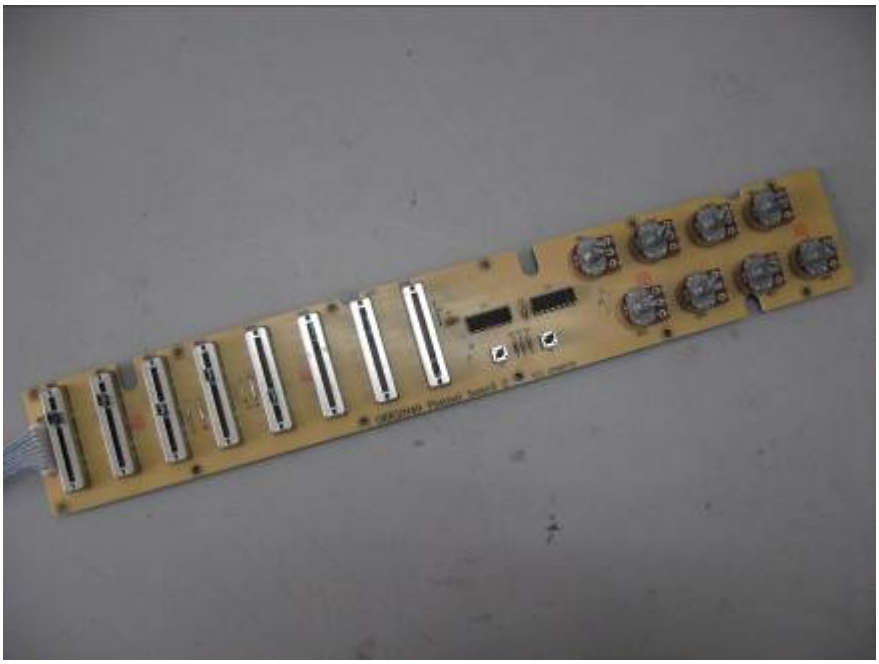
Model: A49

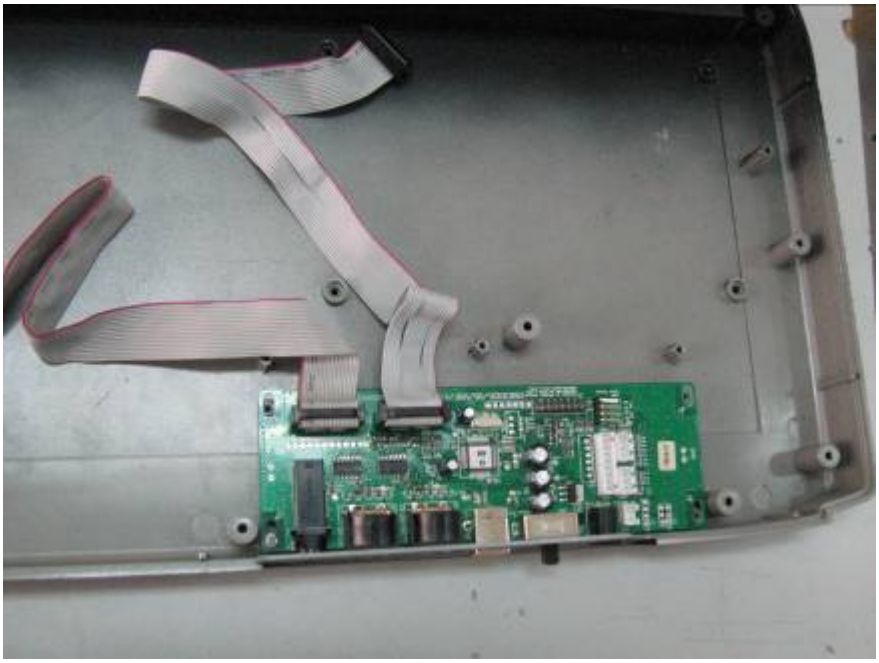

ALESIS

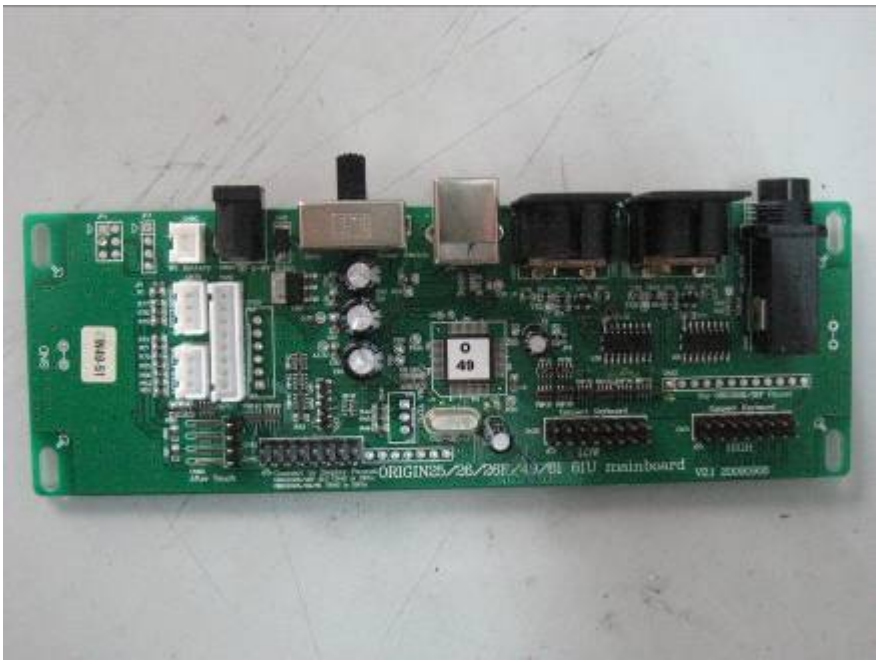

RP1
DP1
E D Dp C G NC
AN12
AN40
ORIGIN49 Pannel board 1
V2.1 20090730

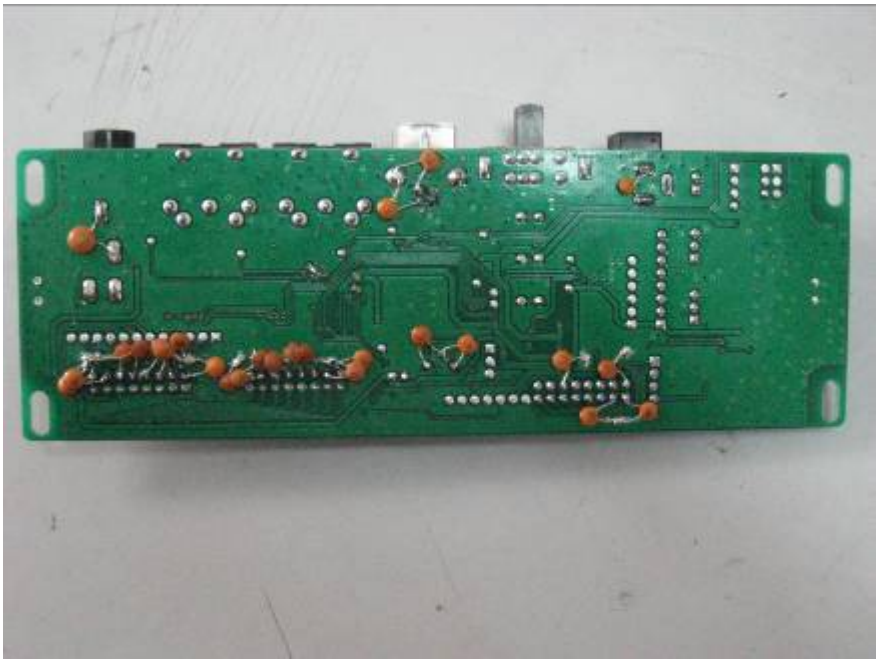






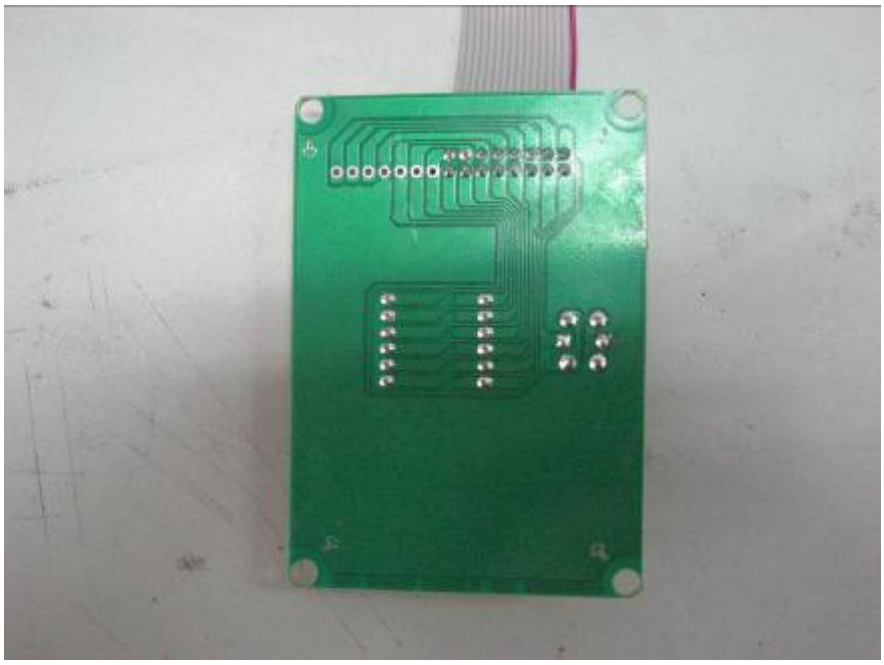


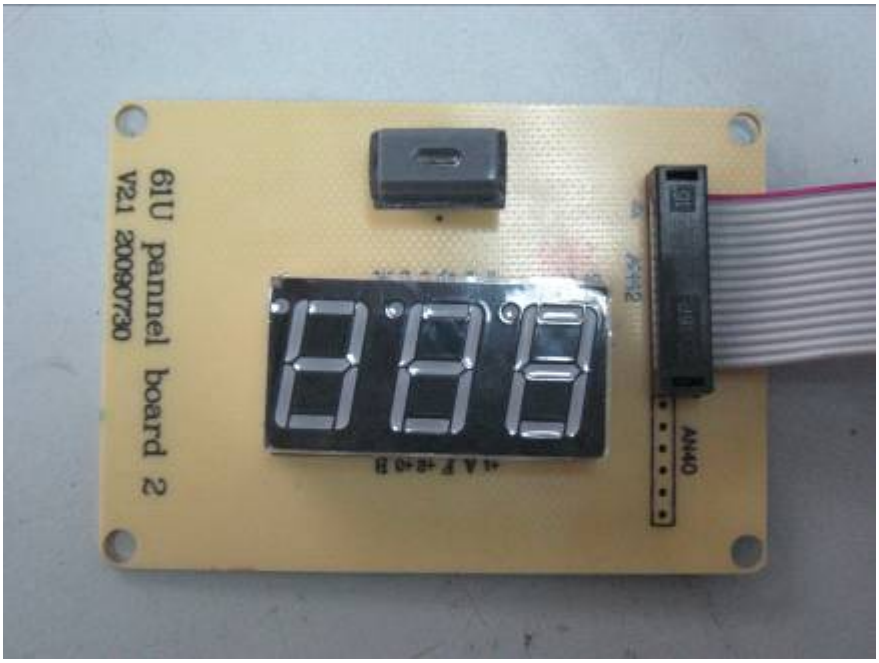


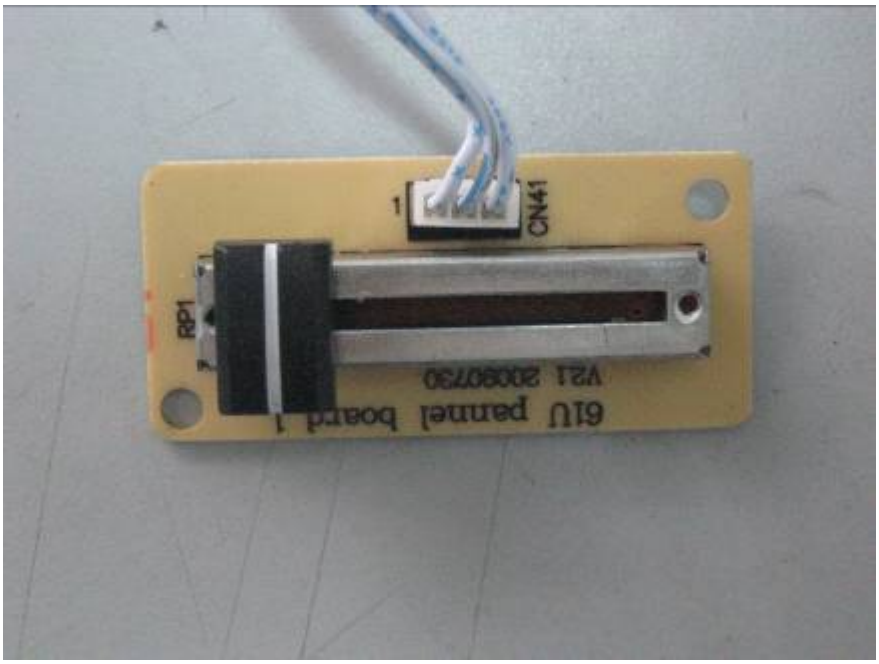


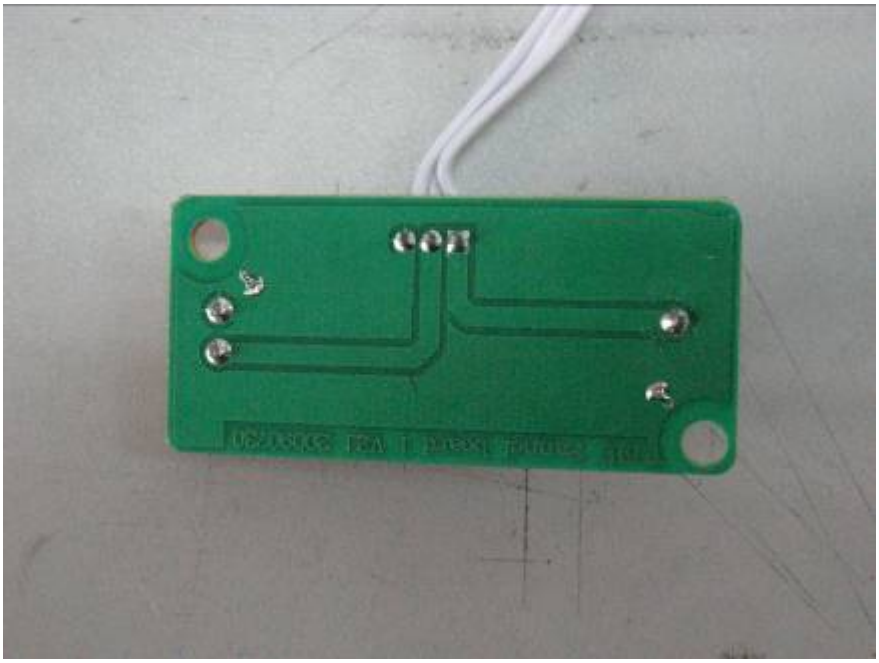
Model: A61

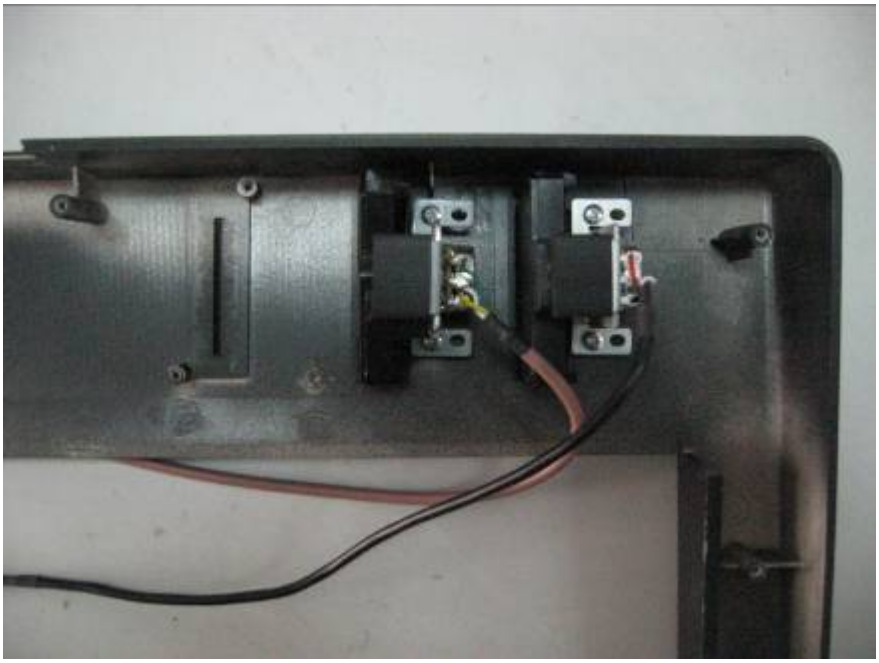

ALESIS

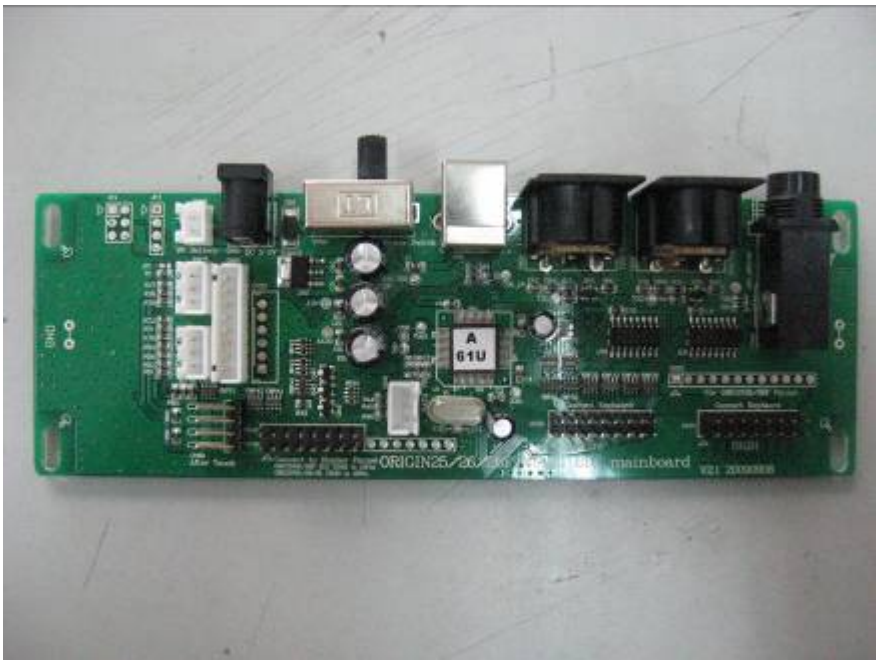


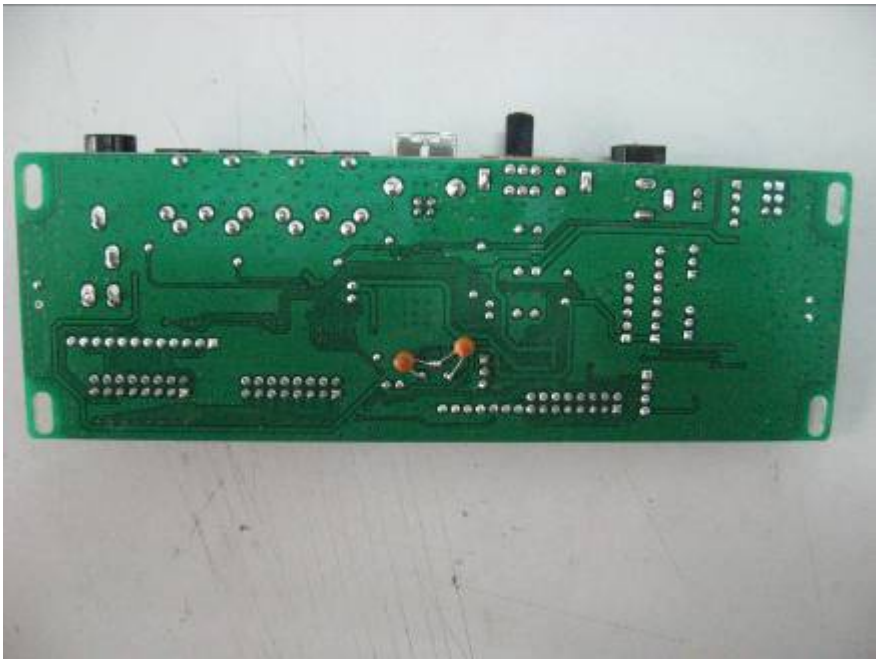

61U pannel board 2
V2.1 20090730
AN40


CN41
RP1
61U pannel board 1
V2.1 20090730






A
61U
mainboard



End of Report