Test Report

Applicant:	EU3C Company Limited
Address of Applicant:	Unit 8, 17/F Tower 1, China Hong Kong City, 33 Canton Road, Tsimshatsui, Kowloon, Hong Kong
Equipment Under Test (EUT):	
EUT Name:	FilmScan35 II-2.5" film scanner
Model No.:	SCND502H1232
Serial No.:	Not supplied by client
Standards:	FCC PART15 SUBPART B: 2007
Date of Receipt:	Jan. 20, 2009
Date of Test:	Jan. 20, 2008-Feb. 24, 2009
Date of Issue:	Mar. 1, 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:	EU3C Company Limited
Address of Applicant:	Unit 8, 17/F Tower 1, China Hong Kong City, 33 Canton Road, Tsimshatsui, Kowloon, Hong Kong

4.2 General Description of E.U.T.

EUT Name:	FilmScan35 II-2.5" film scanner
Trade Name:	None
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:	AC/DC adapter, manufactory: Huoniu; model: HNB050100U; input: 100-240VAC, 50-60Hz, 0.15A Max LPS; output: 5.0VDC/1.0A.
Power Cord:	1.10m USB cable with a core.

4.4 Description of Support Units

The EUT has been tested with a Fangzheng's PC host (model: Wenxiang E630) and HP's LCD monitor (model: L1506)

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	2008-6-8
2	CE	LISN	R&S ESH2-Z5	2008-6-8
3	CE	Shielded room	Lindgren 8*5*3	2008-6-8
4	RE	EMI RECEIVER	R&S ESU	2008-6-8
5	RE	Anechoic chamber	Lindgren FACT-4	2008-6-8
6	RE	Antenna	ETS-Lindgren 3142B	2008-6-8
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:	Jan. 21, 2009

6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 22.0°C Humidity:45% RH Atmospheric Pressure: 1020mBar

EUT Operation:

1. Connect the EUT via an USB cable to an AC/DC adapter or PC host in 120VAC/60Hz.
2. Pre-test the EUT work normally in three modes: previewing/ scanning/ transmit data, then select the worst case: scanning mode to measure during the whole test.

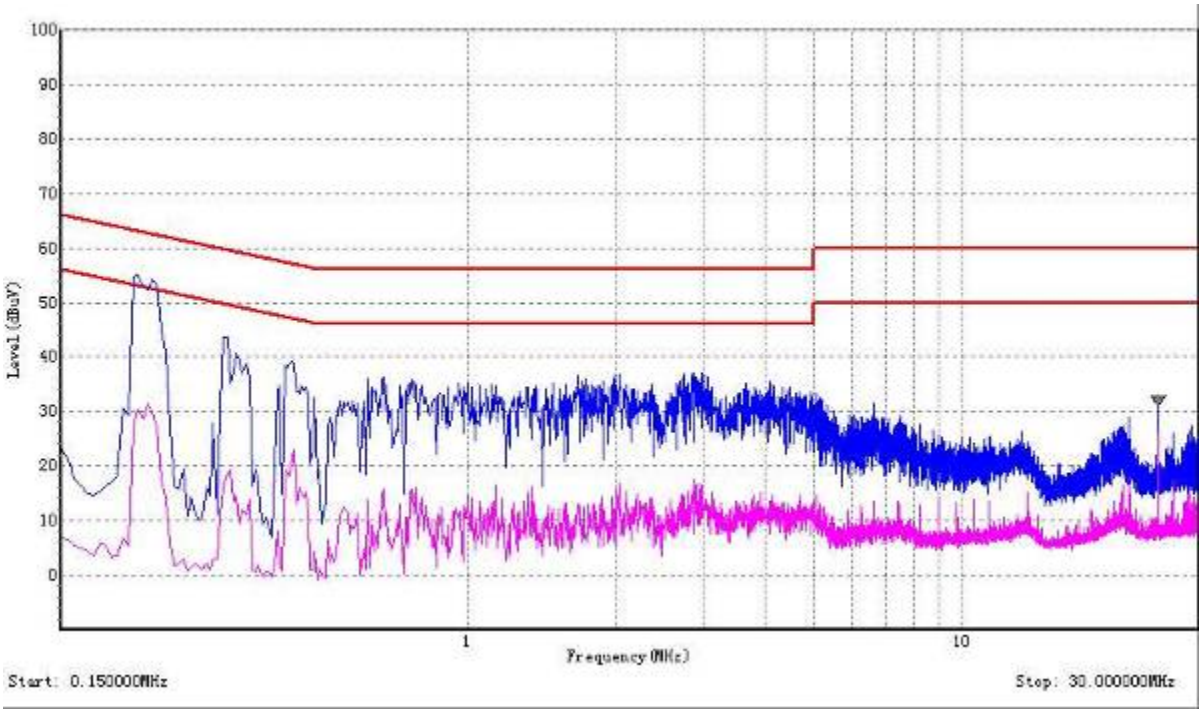
6.1.2 Plan View of Test Setup

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, Mode: Scanning With Adapter Power Supplied

Peak Scan

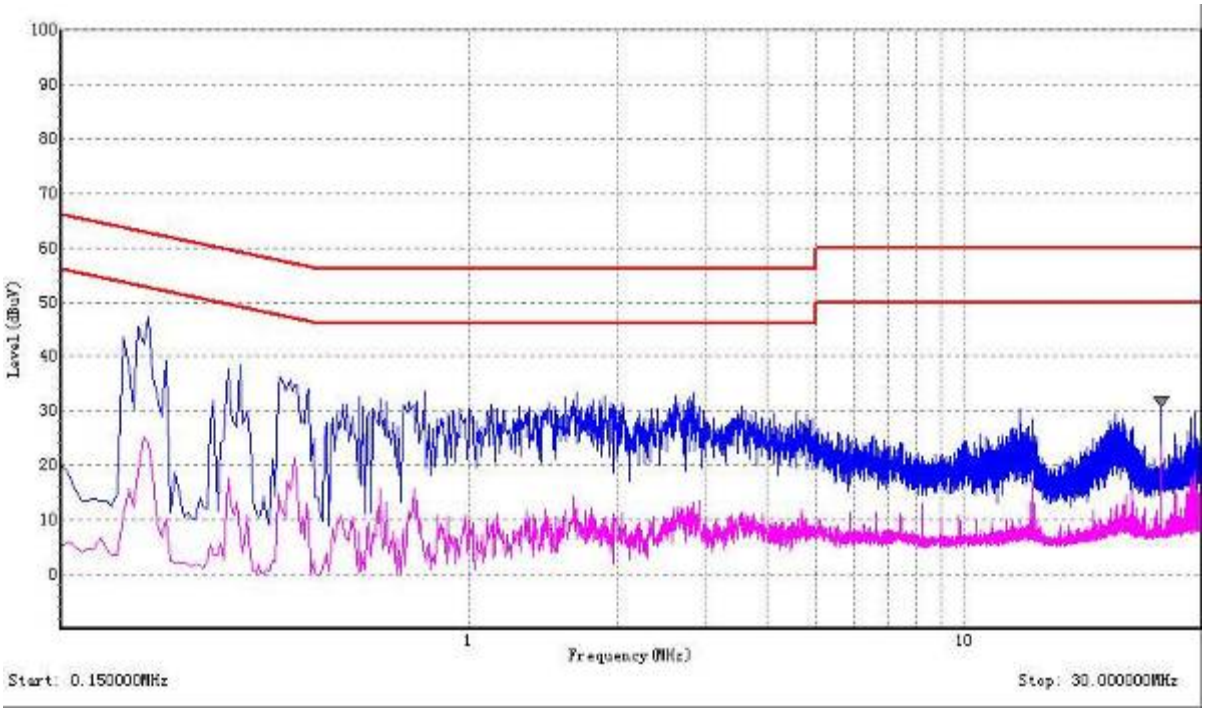


Quasi-peak and Average measurement

Freq. (MHz)	Line	QP (dBµV)	Transducer （dB）	QP limit (dBµV)	Margin (dB)	AV (dBµV)	Transducer （dB）	AV limit (dBµV)	Margin (dB)
0.215	Live	54.98	8.69	63.03	-8.05	30.41	8.69	53.03	-22.62
0.320	Live	43.72	7.04	59.73	-16.01	16.10	7.04	49.73	-33.63
0.675	Live	36.23	5.69	56.00	-19.77	15.73	5.69	46.00	-30.27
2.860	Live	37.04	6.49	56.00	-18.96	17.71	6.49	46.00	-28.29
5.125	Live	32.65	7.52	60.00	-27.35	13.05	7.52	50.00	-36.95
24.99	Live	31.95	11.46	60.00	-28.05	25.86	11.46	50.00	-24.14

Neutral Line, Mode: Scanning With Adapter Power Supplied

Peak Scan

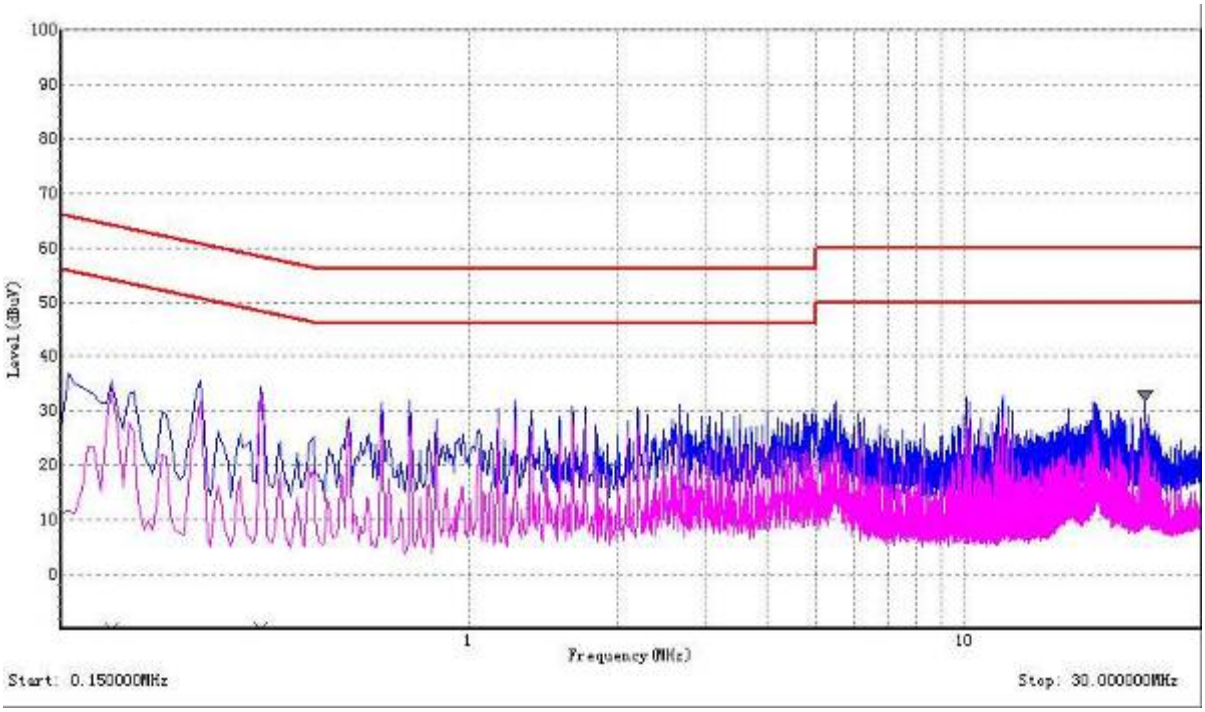


Quasi-peak and Average measurement

Freq. (MHz)	Line	QP (dBµV)	Transducer （dB）	QP limit (dBµV)	Margin (dB)	AV (dBµV)	Transducer （dB）	AV limit (dBµV)	Margin (dB)
0.225	Neutral	47.22	8.48	62.70	-15.48	24.01	8.48	52.70	-28.69
0.345	Neutral	38.50	6.84	59.18	-20.68	7.41	6.84	49.18	-41.77
0.785	Neutral	31.62	5.61	56.00	-24.38	13.49	5.61	46.00	-32.51
2.830	Neutral	33.29	6.47	56.00	-22.71	10.11	6.47	46.00	-35.89
12.86	Neutral	30.36	9.65	60.00	-29.64	7.88	9.65	50.00	-42.12
24.99	Neutral	31.61	11.46	60.00	-28.39	23.73	11.46	50.00	-26.27

Live Line, Mode: Transmitting Data with PC Host

Peak Scan

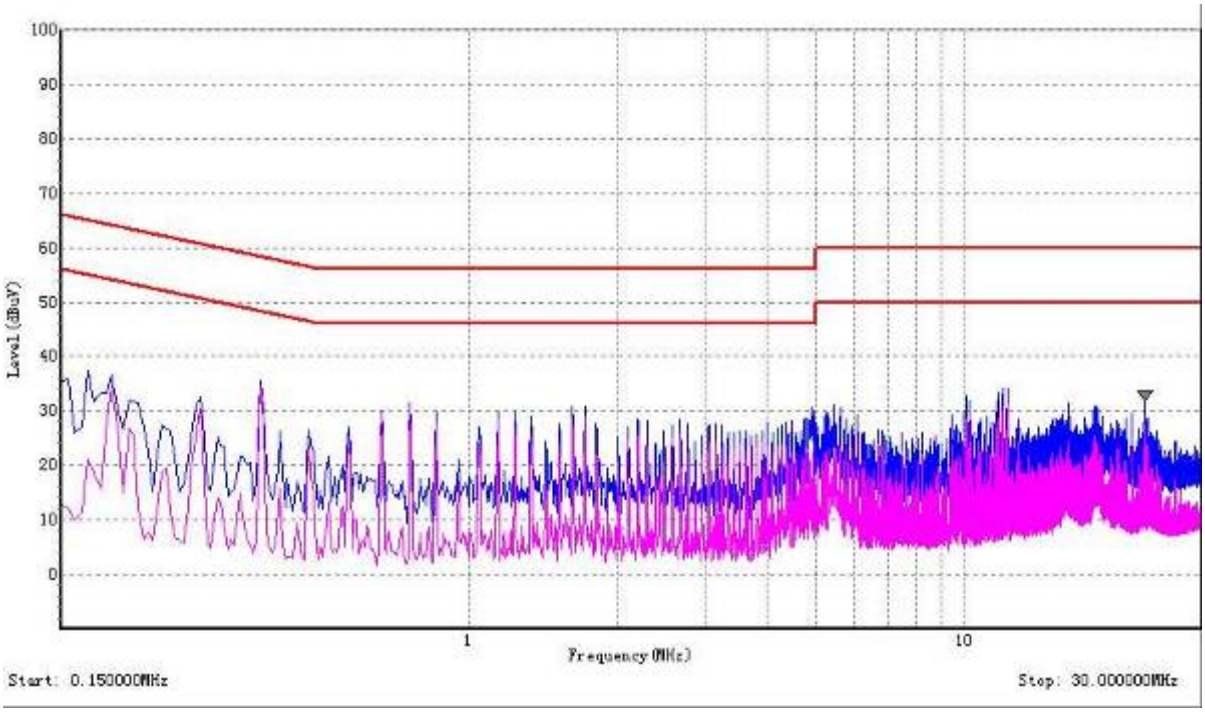


Quasi-peak and Average measurement

Freq. (MHz)	Line	QP (dBµV)	Transducer（dB）	QP limit (dBµV)	Margin (dB)	AV (dBµV)	Transducer（dB）	AV limit (dBµV)	Margin (dB)
0.190	Live	35.56	9.44	64.13	-28.57	34.16	9.44	54.13	-19.97
0.380	Live	34.42	6.56	58.30	-23.88	33.14	6.56	48.30	-15.16
0.760	Live	31.96	5.62	56.00	-24.04	29.25	5.62	46.00	-16.75
1.235	Live	31.96	5.63	56.00	-24.04	28.23	5.63	46.00	-17.77
10.06	Live	32.42	9.02	60.00	-27.58	27.73	9.02	50.00	-22.27
23.13	Live	32.88	11.22	60.00	-27.12	28.05	11.22	50.00	-21.95

Neutral Line, Mode: Transmitting Data with PC Host

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	36.71	9.44	64.13	-27.42	34.33	9.44	54.13	-19.80
0.380	Neutral	35.49	6.56	58.30	-22.81	34.36	6.56	48.30	-13.94
0.760	Neutral	31.53	5.62	56.00	-24.47	30.64	5.62	46.00	-15.36
1.615	Neutral	30.96	5.81	56.00	-25.04	28.38	5.81	46.00	-17.62
11.96	Neutral	34.14	9.45	60.00	-25.86	30.62	9.45	50.00	-19.38
23.13	Neutral	32.92	11.22	60.00	-27.08	27.53	11.22	50.00	-22.47

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:	Feb. 23, 2009

6.2.1 E.U.T. Operation

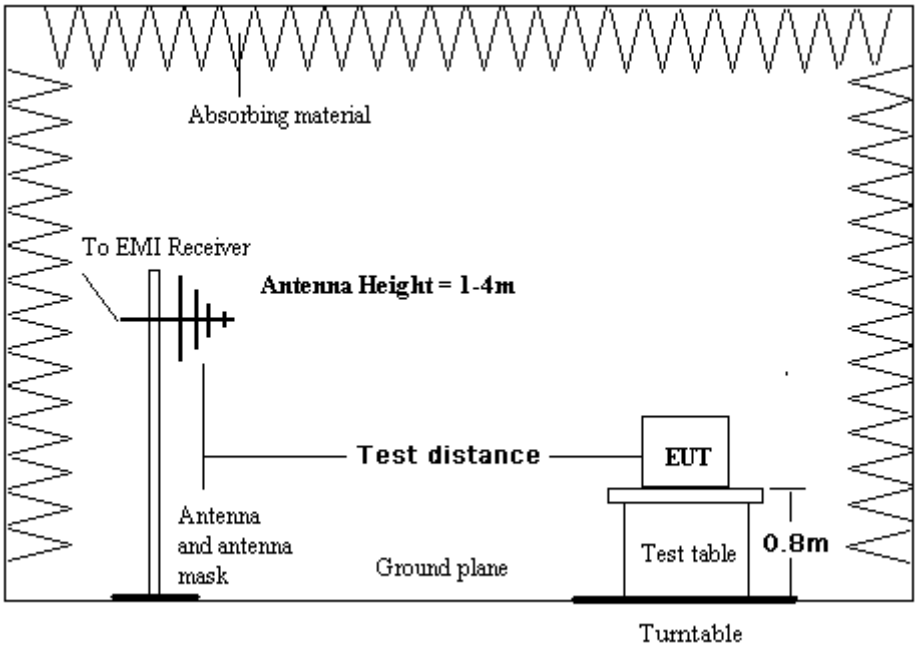
Operating Environment:

Temperature: 22°C Humidity:45% RH Atmospheric Pressure: 1020mBar

EUT Operation:

1. Connect the EUT via an USB cable to an AC/DC adapter or PC host in 120VAC/60Hz.
2. Pre-test the EUT work normally in three modes: previewing/ scanning/ transmit data, then select the worst cases: scanning mode and transmit data with PC host for final measurement during the whole test.

6.2.2 Test Setup

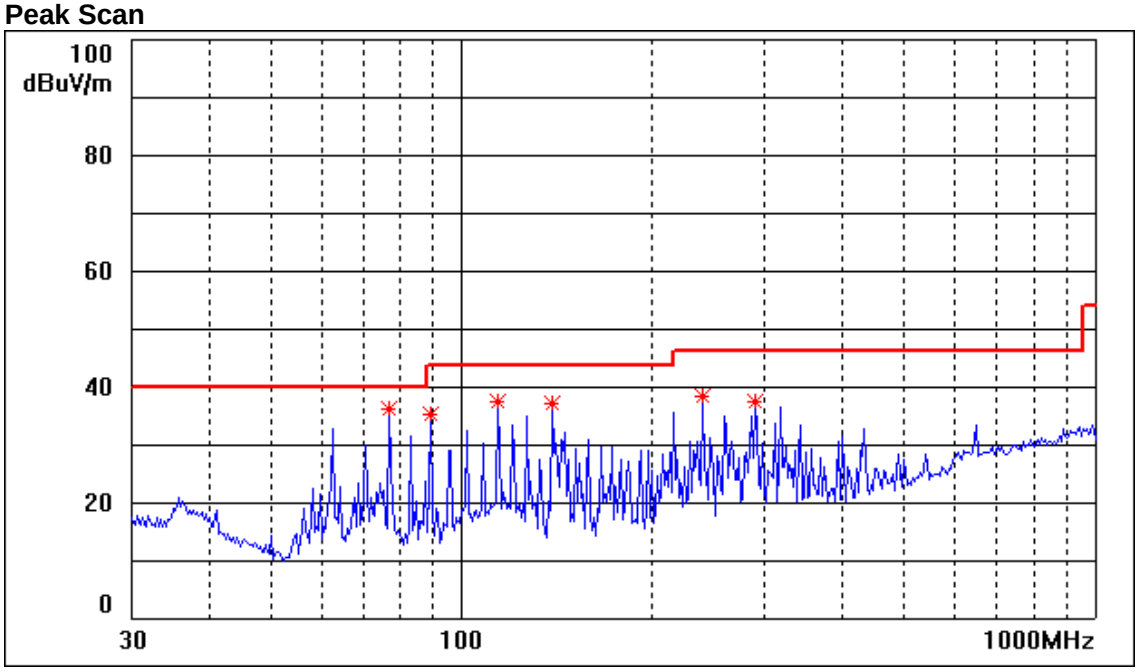


6.2.3 Measurement Data

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, Mode: Scanning With Adapter Power Supplied

Peak Scan



Quasi-peak measurement

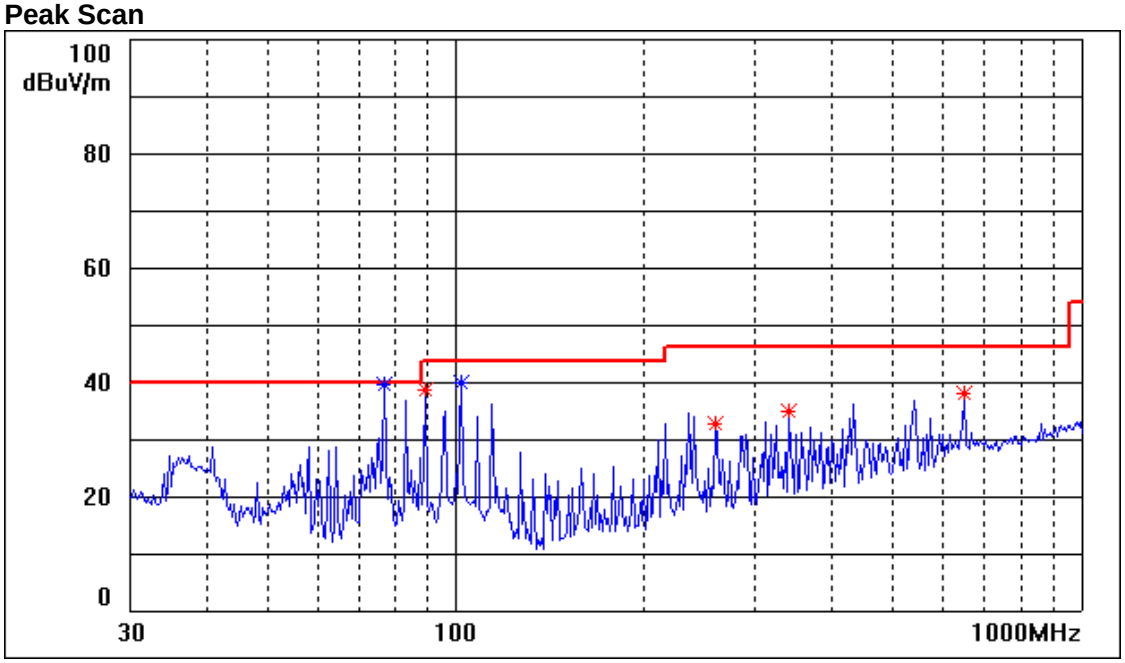
Frequency	Level	Transducer	Limit	Margin
MHz	dBuV/m	dB	dBuV/m	dB
76.8	36.2	7.9	40	-3.8
89.3	35.3	9.1	43.5	-8.2
114.3	37.3	9.0	43.5	-6.2
139.3	36.9	8.8	43.5	-6.6
240.0	38.4	13.0	46	-7.6
290.8	37.5	15.1	46	-8.5

Note:

The transducer factor includes antenna factor and cable loss.

Vertical, Mode: Scanning With Adapter Power Supplied

Peak Scan



Quasi-peak measurement

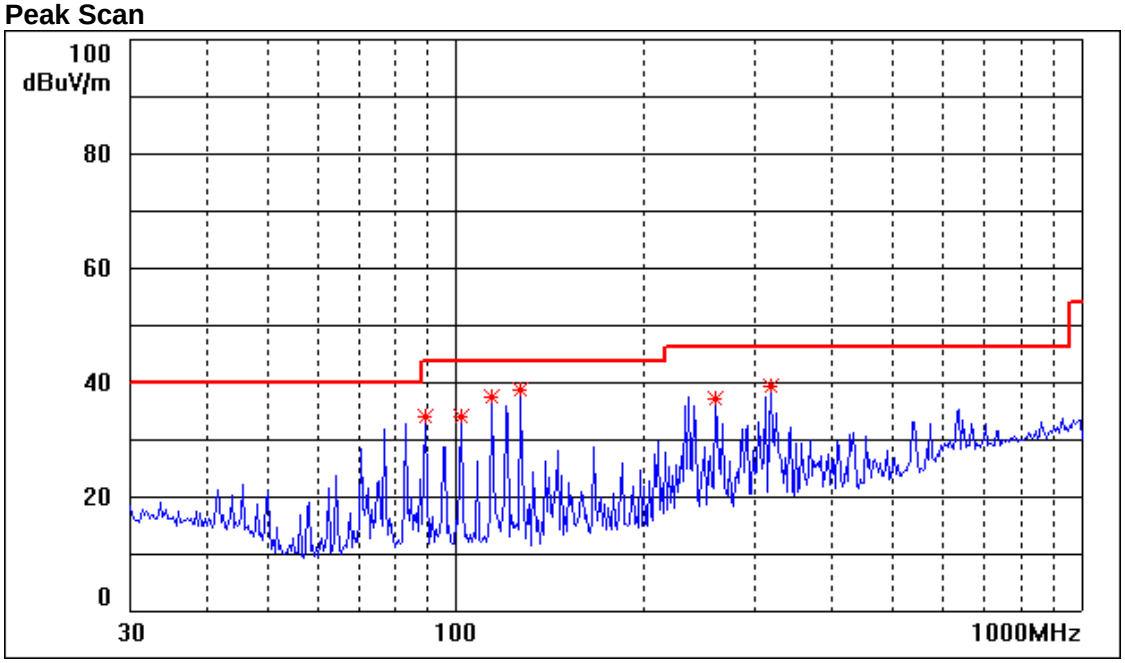
Frequency	Level	Transducer	Limit	Margin
MHz	dBuV/m	dB	dBuV/m	dB
76.8	39.4	7.9	40	-0.6
89.3	38.7	9.1	43.5	-4.8
101.8	40.0	9.6	43.5	-3.5
259.8	32.8	13.7	46	-13.2
340.7	34.9	16.3	46	-11.1
648.1	38.0	22.6	46	-8.0

Note:

The transducer factor includes antenna factor and cable loss.

Horizontal, Mode: Transmitting Data with PC Host

Peak Scan



Quasi-peak measurement

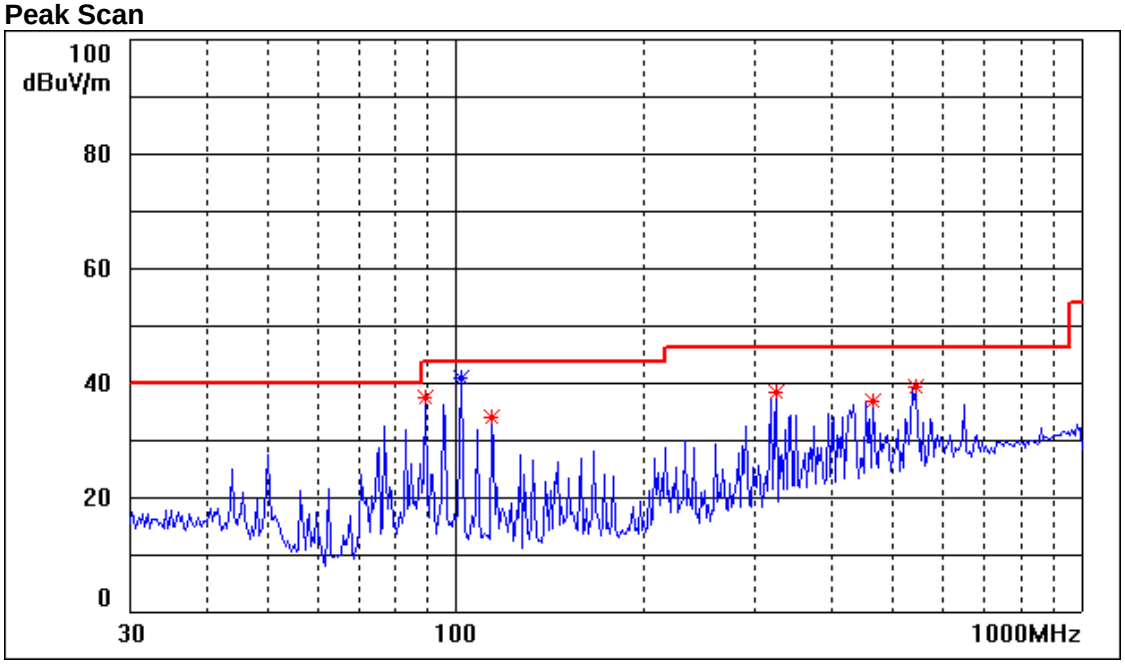
Frequency	Level	Transducer	Limit	Margin
MHz	dBuV/m	dB	dBuV/m	dB
89.3	33.8	9.1	43.5	-9.7
101.8	33.8	9.6	43.5	-9.7
114.3	37.4	9.0	43.5	-6.1
126.8	38.5	8.5	43.5	-5.0
259.8	37.0	13.7	46	-9.0
317.8	39.2	15.8	46	-6.8

Note:

The transducer factor includes antenna factor and cable loss.

Vertical, Mode: Transmitting Data with PC Host

Peak Scan



Quasi-peak measurement

Frequency	Level	Transducer	Limit	Margin
MHz	dBuV/m	dB	dBuV/m	dB
89.2	37.5	9.1	43.5	-6.0
101.8	40.9	9.6	43.5	-2.6
114.3	33.8	9.0	43.5	-9.7
324.0	38.2	15.9	46	-7.8
465.3	36.8	18.9	46	-9.2
542.9	39.3	20.3	46	-6.7

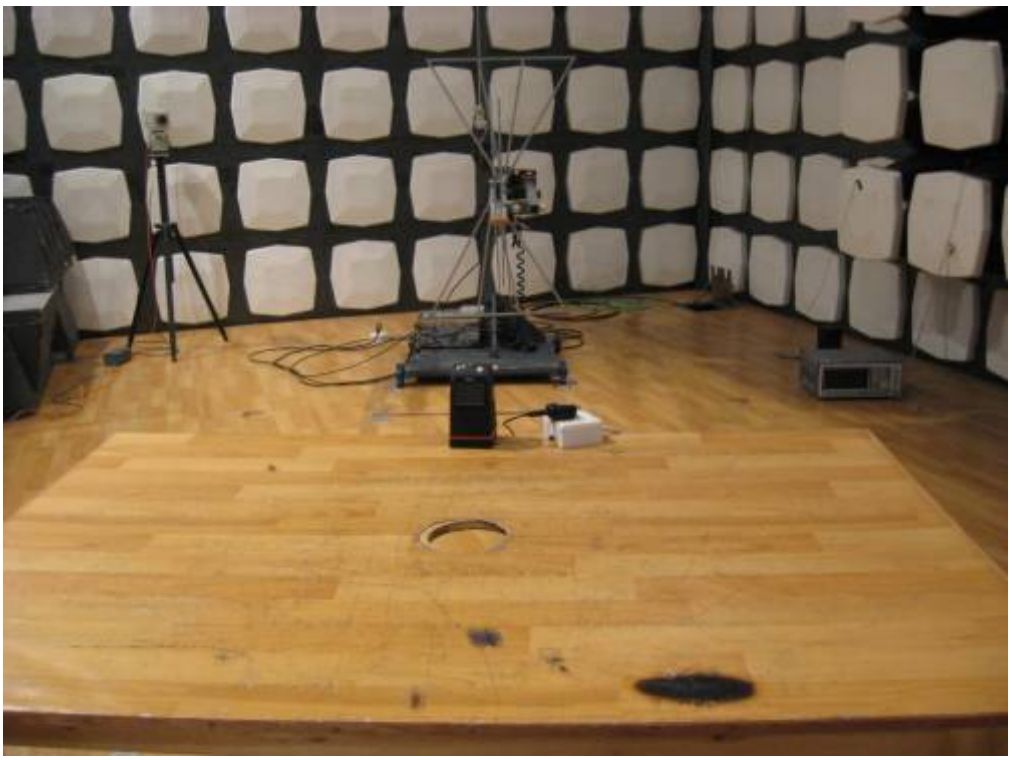
Note:

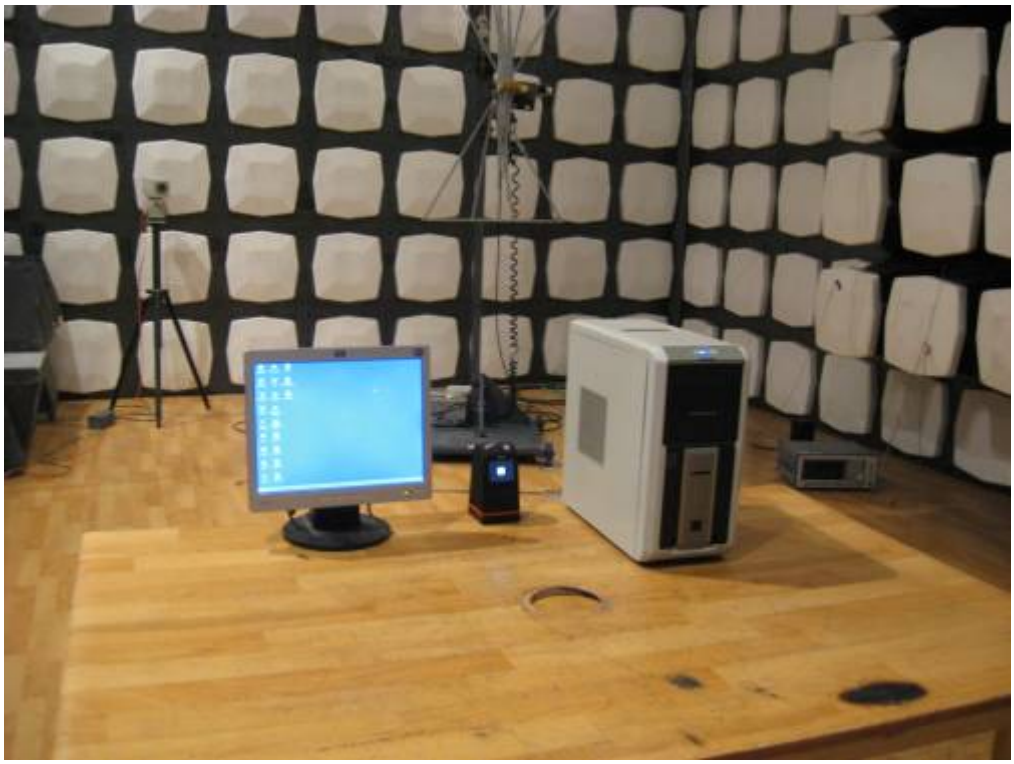
The transducer factor includes antenna factor and cable loss.

7. Photographs

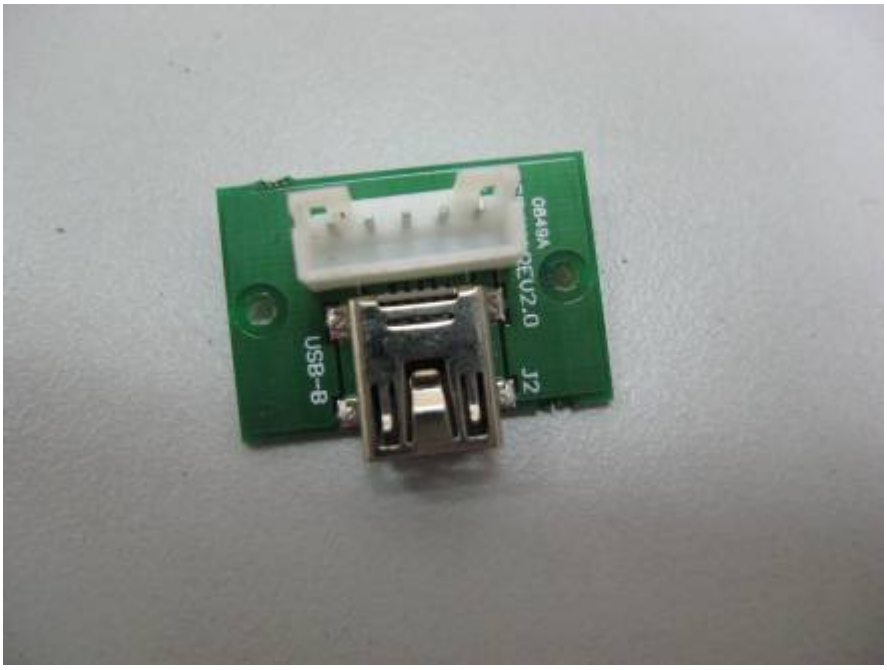
7.1 Conducted Emission Test Setup

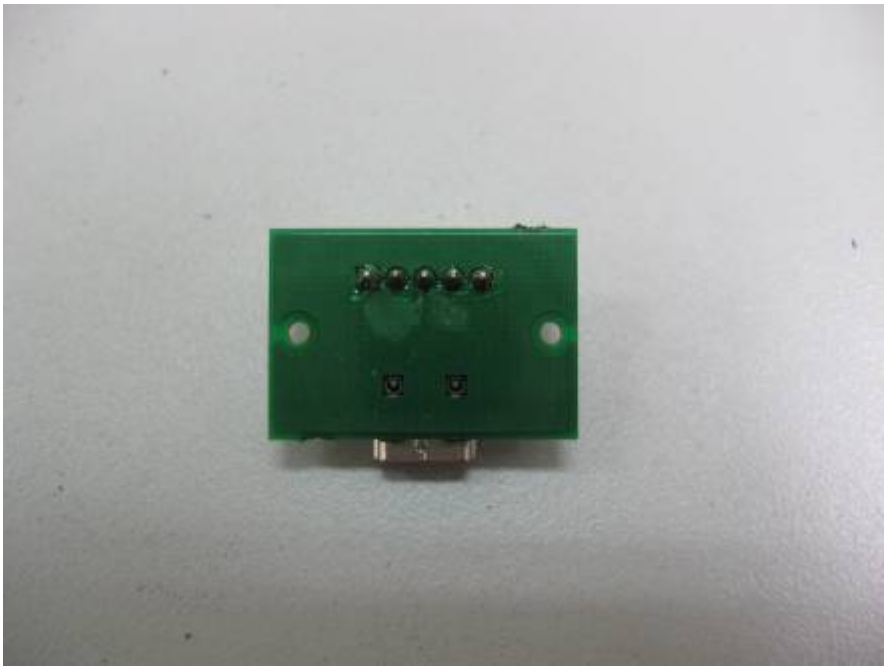
7.2 Radiated Emission Test Setup

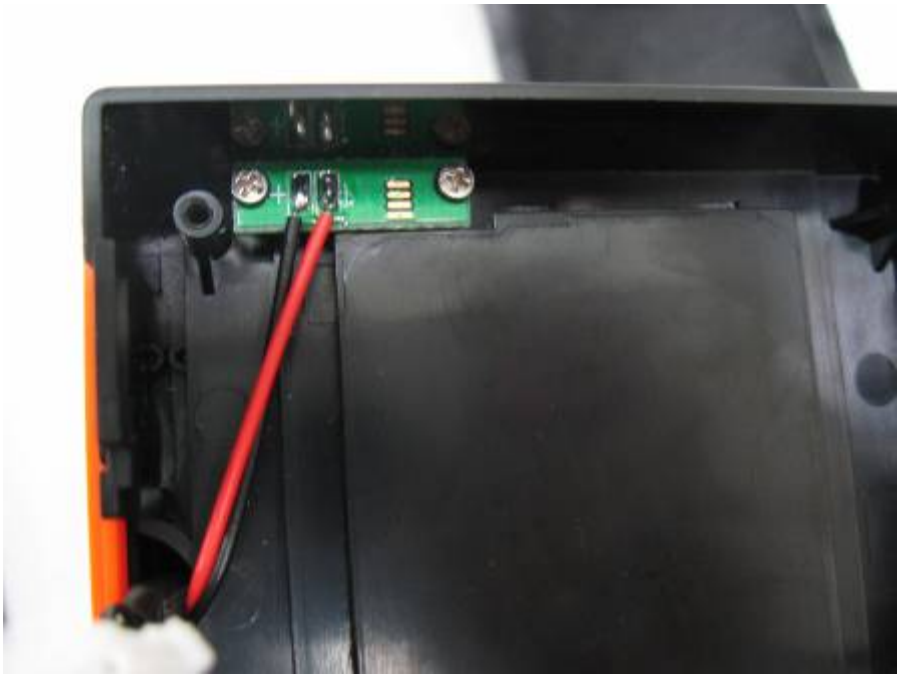


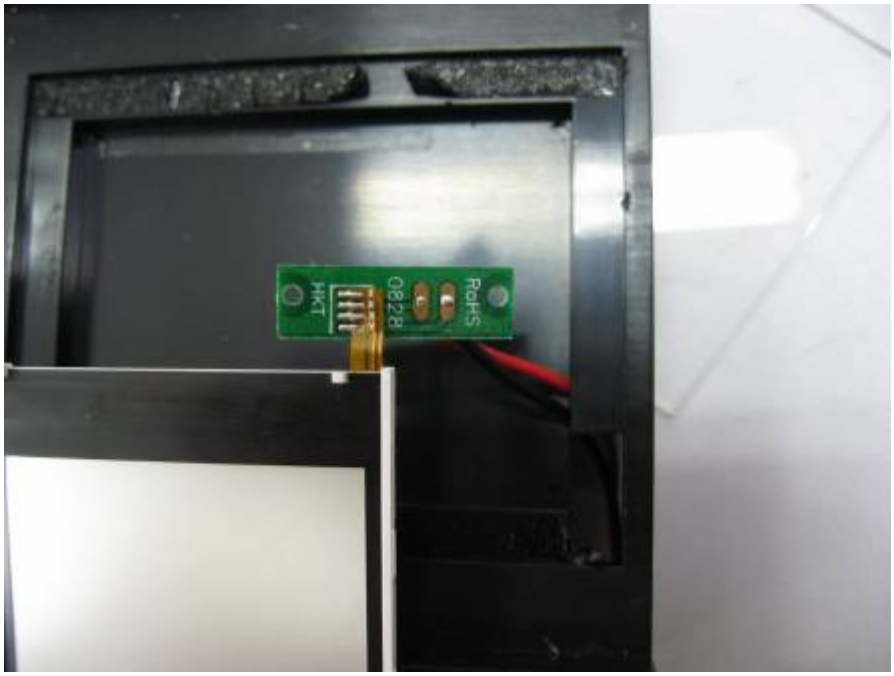


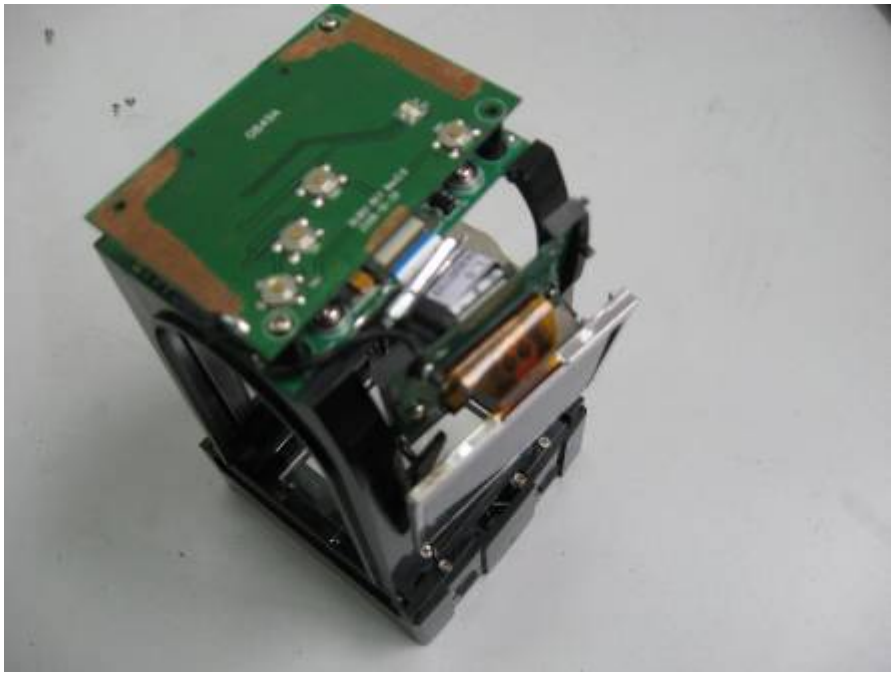
7.3 EUT Constructional Details

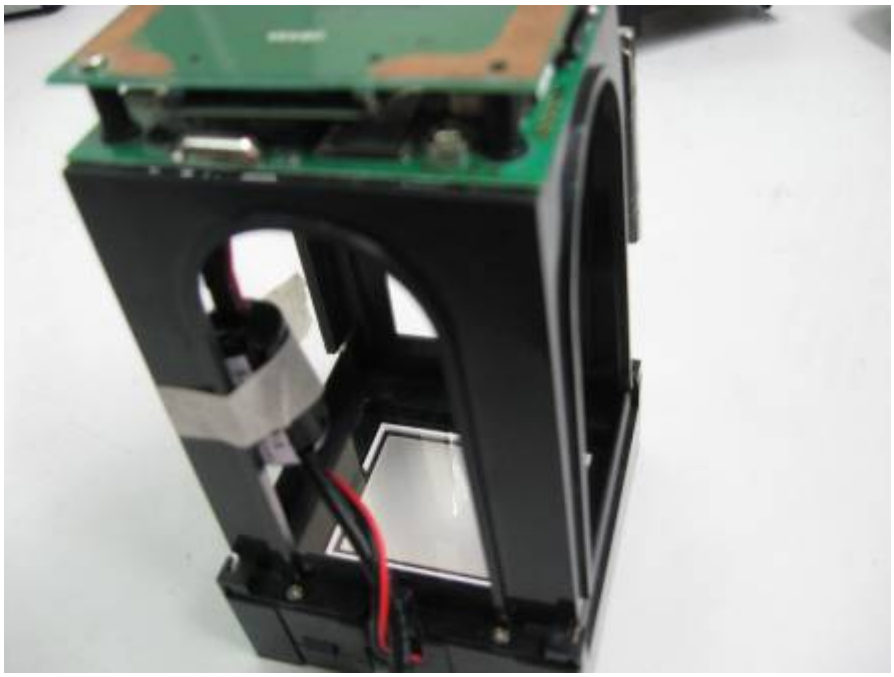

USB-B
REV2.0
J2

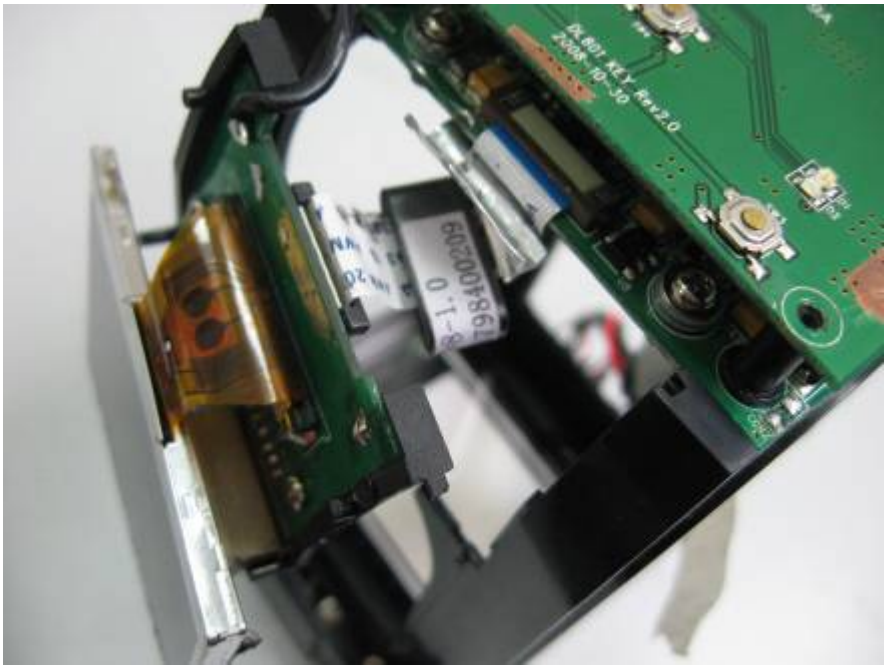


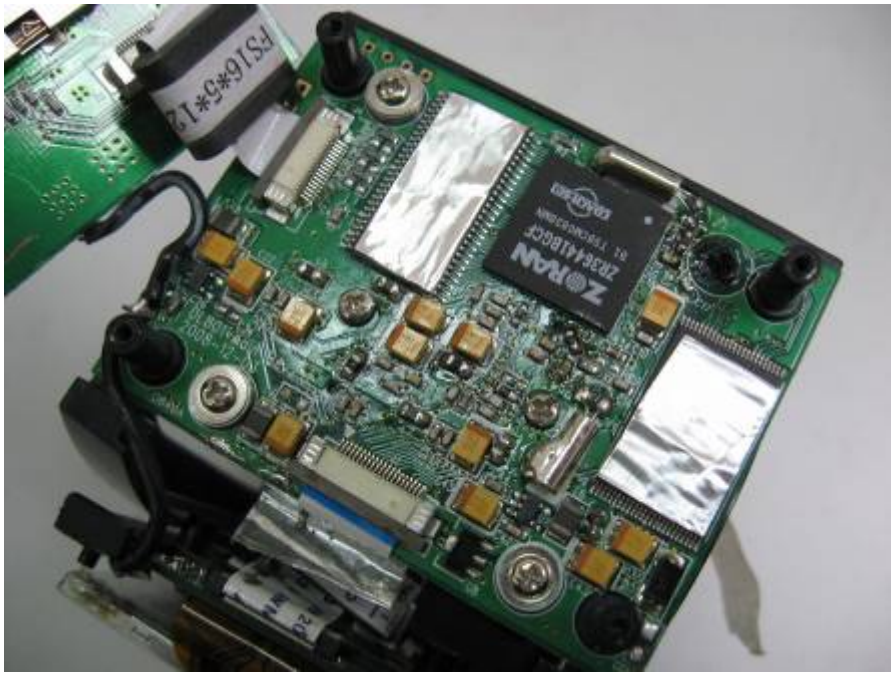


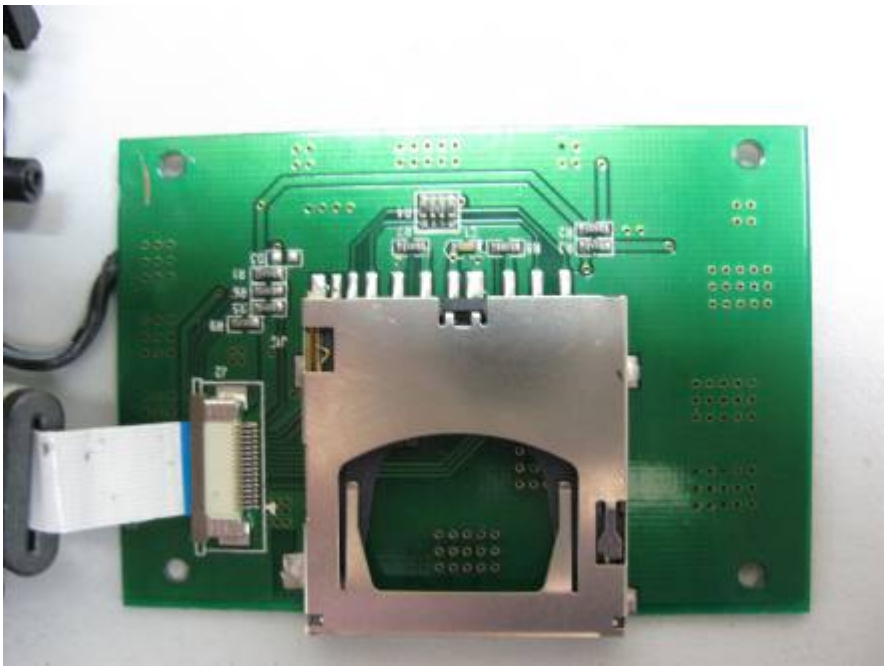

HKT
0828
RoHS



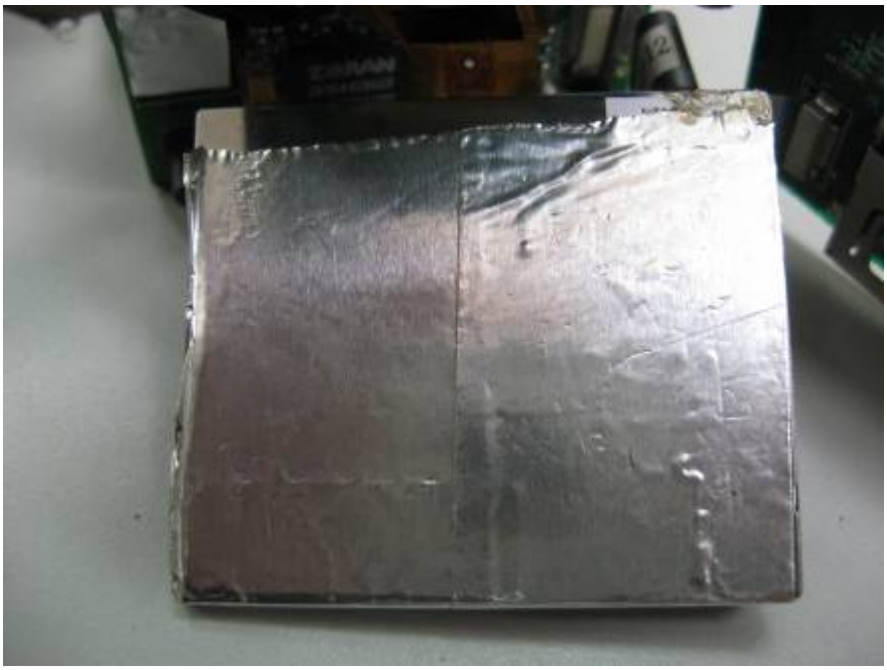




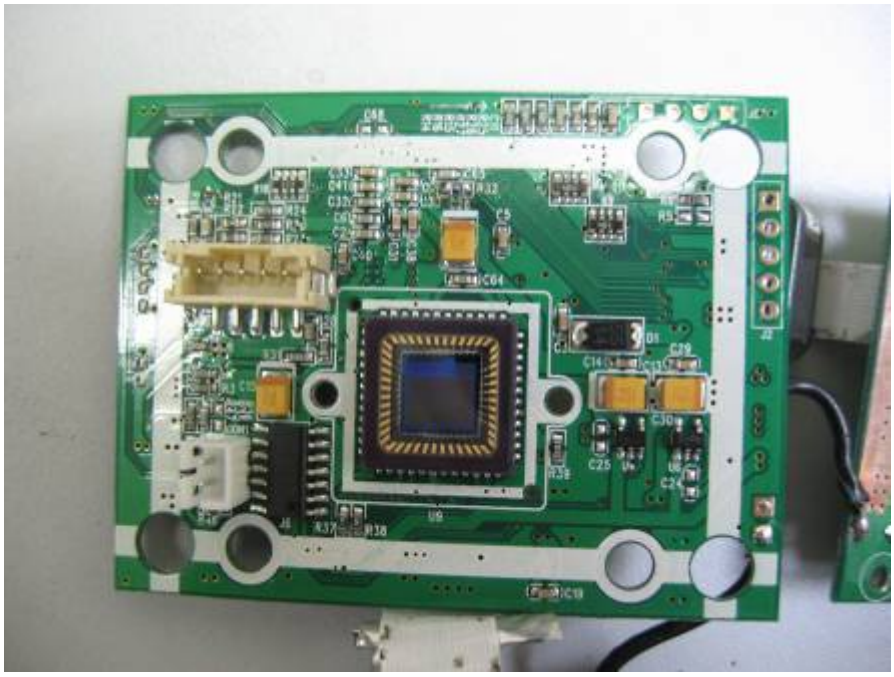

ZORAN



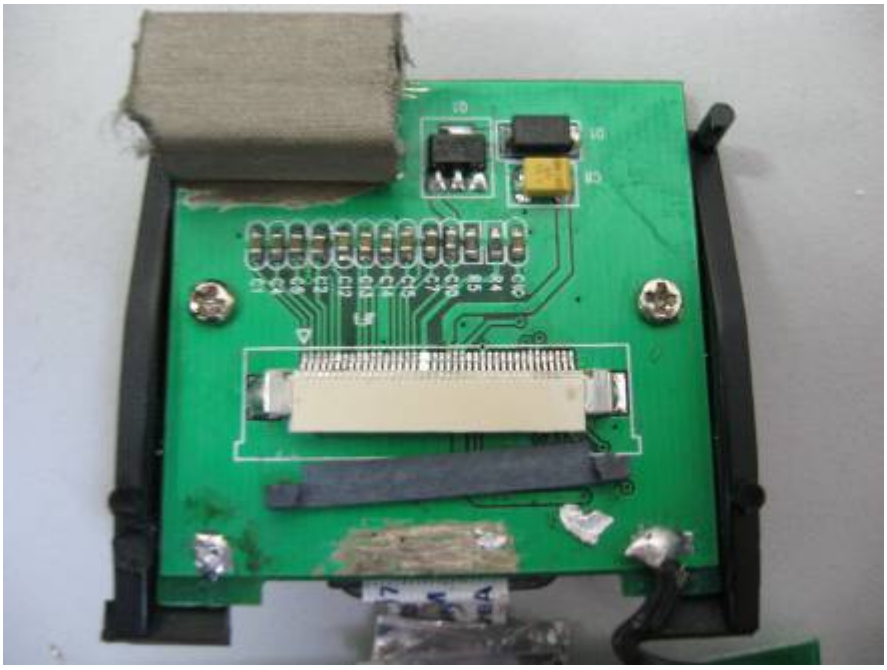

0849A
SW4
SW1
SW2
SW3
DL801 KEY Rev2.0
2008-10-30

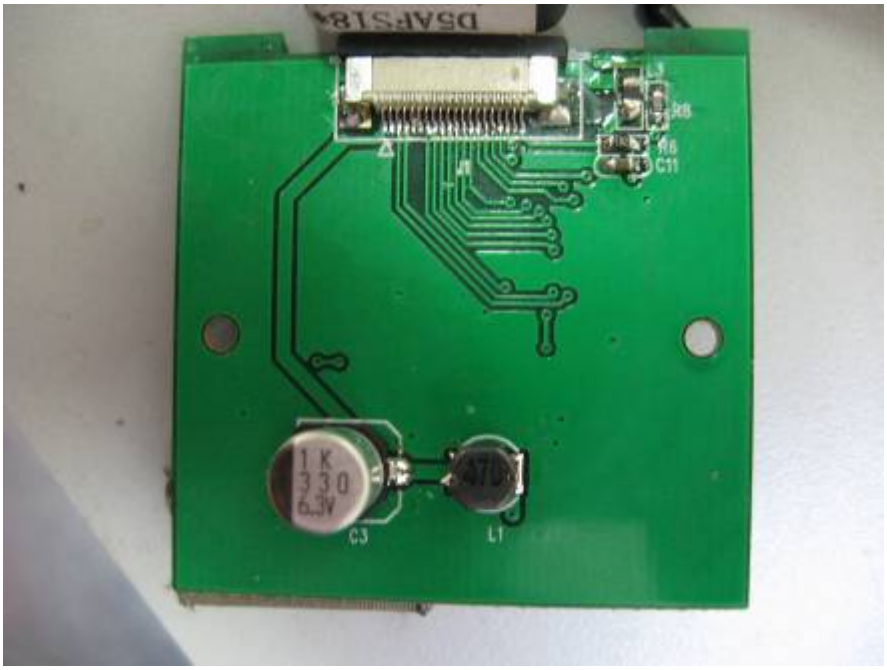



东阳 DYR-70-A
张生13798400209

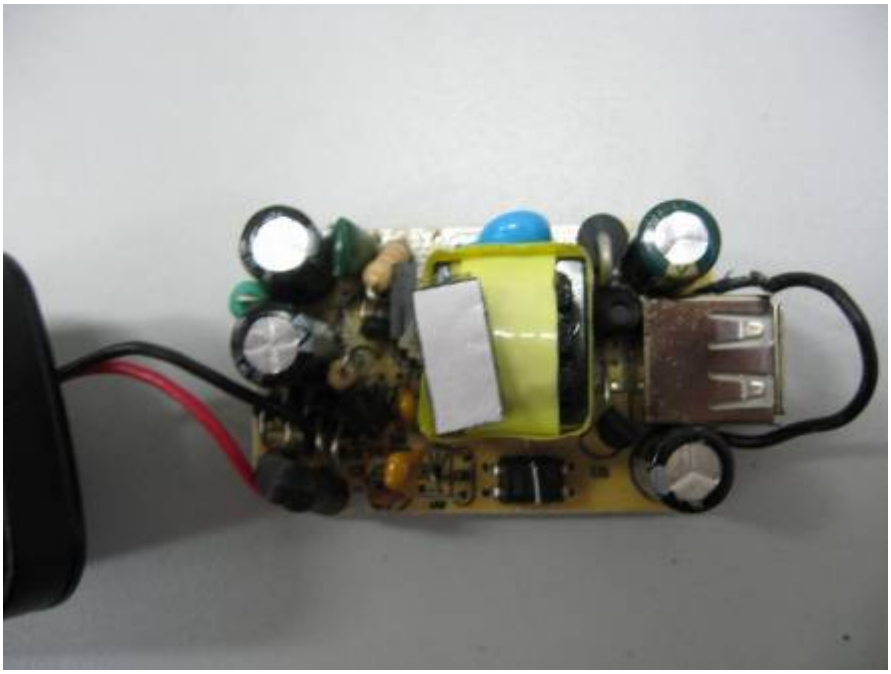


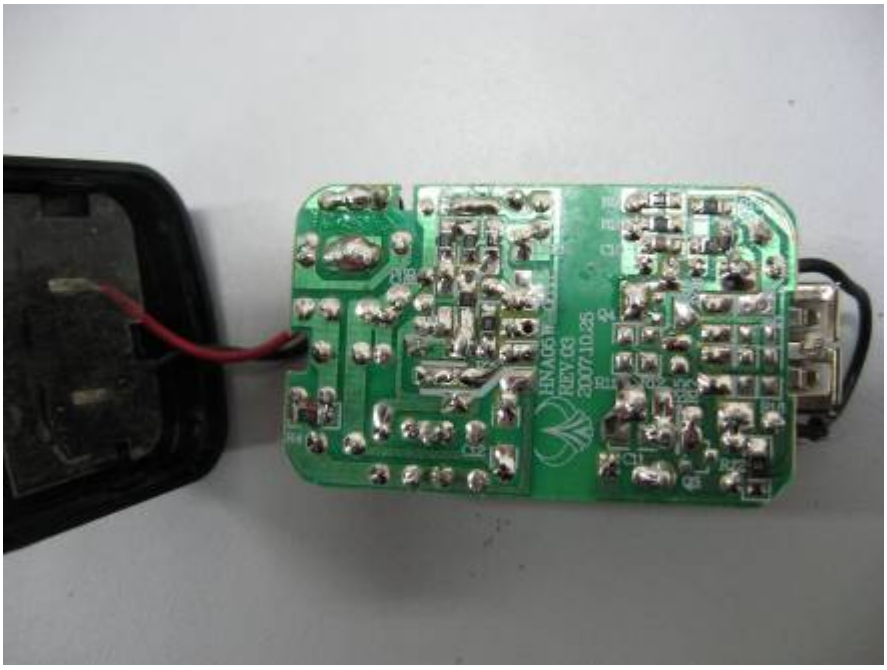

ZORAN
ZR36441BGCF




1K
330
6.3V
C3
L1


AC ADAPTER
MODEL: HNB050100U
INPUT: 100-240V~
50-60Hz 0.15A MAX LPS
OUTPUT: 5.0V 1.0A
LISTED
LITE
Power Supply
MADE IN CHINA
SN: 080902189





End of Report