FCC CLASS B CONFORMITY REPORT

Product Name	:	Multimedia Projector
Model Number	:	PLC-XU106 LC-XB43
FCC ID	:	WS309KB8AC00
Report Number	:	SZEE090806298717
Date	:	Aug.24, 2009

Standards	Results
☒ FCC Part 15: 2008	PASS

Prepared for:

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Prepared by:

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1. VERIFICATION OF CONFORMITY

Applicant & Address:	Dongguan Huaqiang SANYO Electronics Co., Ltd HongYe Industry Area,Tang Xia Town,Dongguan ,Gangdong		
Manufacturer & Address:	Dongguan Huaqiang SANYO Electronics Co., Ltd HongYe Industry Area,Tang Xia Town,Dongguan ,Gangdong		
Type of Test:	FCC Part 15 Class B		
FCC ID:	WS309KB8AC00		
Equipment Under Test:	Multimedia Projector		
Test Model:	PLC-XU106	**Trade Name:**	SANYO
Additional Model:	LC-XB43	**Trade Name:**	EIKI
Model Deviation:	The two models above are identical except the printings and trade marks for different buyers. The test model is PLC-XU106, and all the test results are applicable to LC-XB43.		
Serial Number:	N/A		
Date of test:	Aug. 17, 2009 to Aug 24, 2009		
Condition of Test Sample:	Normal		

The above equipment was tested by Centre Testing International for compliance with the requirements set forth in the FCC Rules and Regulations Part 15, Subpart B and the measurement procedure according to ANSI C63.4.
The test results of this report relate only to the tested sample identified in this report.

Prepared by : Saky Yan

Reviewed by : Christy Chen

Approved by : Jim Zhang
Manager

Date : Aug. 24, 2009

2. TEST SUMMARY

The EUT has been tested according to the following specifications:

EMISSION			
Standard	**Test Type**	**Result**	**Remark**
FCC Part 15	Conducted emission at AC power port	**PASS**	See clause 7 in this report
	Radiated emission	**PASS**	See clause 8 in this report

3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Measurement items	Value
Conducted emission	3.2 dB
Radiated emission	4.6 dB

4. PRODUCT INFORMATION

I/O Port of EUT

I/O Port Type	Quantity
R/C JACK	1
CONTROL PORT	1
COMPUTER IN1 / COMPONENT IN	
COMPUTER IN2 / MONITOR OUT	1
VIDEO IN	1
AUDIO IN	4 (L(MONO), R, COMPUTER1 / COMPONENT, COMPUTER2)
AUDIO OUT (VARIABLE)	1
S-VIDEO	1
LAN	1

5. FACILITIES AND ACCREDITATIONS

5.1 TEST FACILITY

All measurement facilities used to collect the measurement data are located at Building C, Hongwei Industrial Zone, Baoan 70 District, Shenzhen, Guangdong, China. The sites are constructed in conformance with the requirements of ANSI C63.4, and CISPR 16.

5.2 TEST EQUIPMENT LIST

Instrumentation: The following list contains equipments used at CTI for testing.

The calibrations of the measuring instruments, including any accessories that may effect such calibration, are checked frequently to assure their accuracy. Adjustments are made and correction factors applied in accordance with instructions contained in the manual for the measuring instrument.

Equipment	Manufacturer	Model Number	Serial Number	Calibration Date
Shielding Room No. 1 —AC Power Line Conducted Emissions Measurement				
Receiver	R&S	ESCI	100435	01/29/2009
LISN	R&S	ENV216	100098	06/13/2009
3M Semi-anechoic Chamber — Radio Test Site				
Spectrum Analyzer	Agilent	E4443A	MY45300910	09/07/2008
Biconilog Antenna	A.H.System	SAS-521-2	487	06/05/2009
Horn Antenna	ETS-LINDGREN	3117	00057407	07/30/2009
Loop Antenna	ETS-LINDGREN	6502	00071730	07/24/2009
3M Chamber & Accessories	ETS-LINDG REN	FACT-3	N/A	05/11/2009

5.3 LABORATORY ACCREDITATIONS AND LISTINGS

The test facilities used to perform radiated and conducted emissions tests are accredited by China National Accreditation Board for Laboratories (CNAS). Electromagnetic Interference tests according to ANSI C63.4 and CISPR 16 requirements.

6. SETUP OF EQUIPMENT UNDER TEST

6.1 SETUP CONFIGURATION OF EUT

1. See test photographs attached in Appendix 1 for the actual connections between EUT and support equipment.
2. Make sure EUT work normally during the whole test.

6.2 SUPPORT EQUIPMENT

No.	Device Type	Brand	Model	Series No.	Data Cable	Power Cord
1.	PC	IBM	8143	BD-241	--	Un-shielded 1.2M
2.	Monitor	IBM	9205-AB6	VK-KZ133	Un-shielded 1M	Un-shielded 1 M
3.	Mouse	IBM	M028UOL	23-468157	Un-shielded 1.2M	--
4.	headphone	SONY	--	--	Un-Shielded 1M	--
5.	DVD player	PHILIPS	DVP5965K/93	KX1A065042 2576	Un-shielded 1M	Un-shielded 1M

Notes:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.

2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

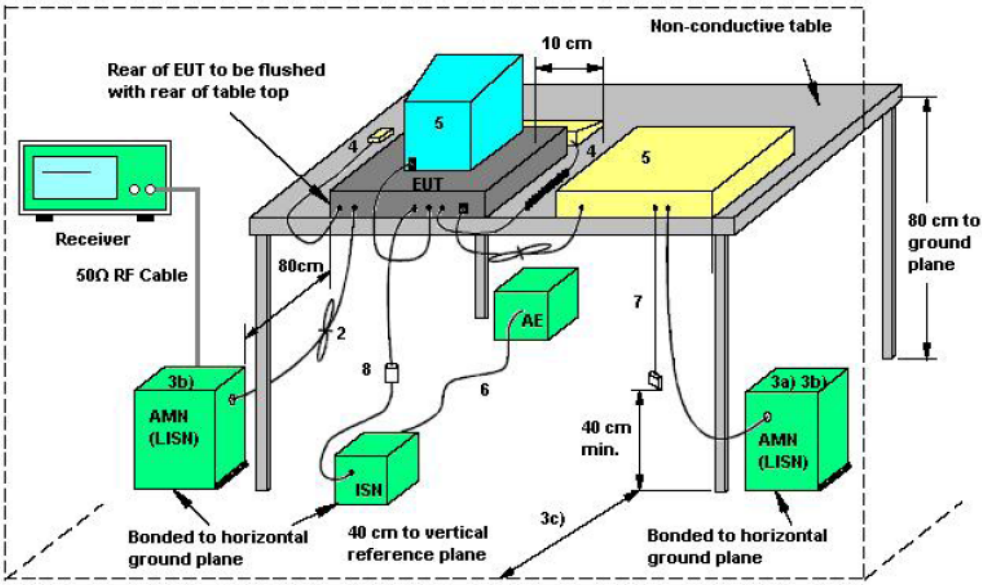
7. AC POWER LINE CONDUCTED EMISSIONS MEASUREMENT

7.1 LIMITS

Frequency (MHz)	Conducted Limit (dBuV) – Class B Digital Device	
	Q.P.	Average(dBuV)
0.150 – 0.5	66-56	56-46
0.5 – 5	56	46
5 - 30	60	50

Note: the tighter limit applies at the band edges.

7.2 BLOCK DIAGRAM OF TEST SETUP



7.3 TEST PROCEDURE

a. The EUT was placed 0.4 meters from the conducting wall of the shielded room and connected to the main through Line Impedance Stability Network (LISN). This provided a 50ohm coupling impedance for the tested equipments.

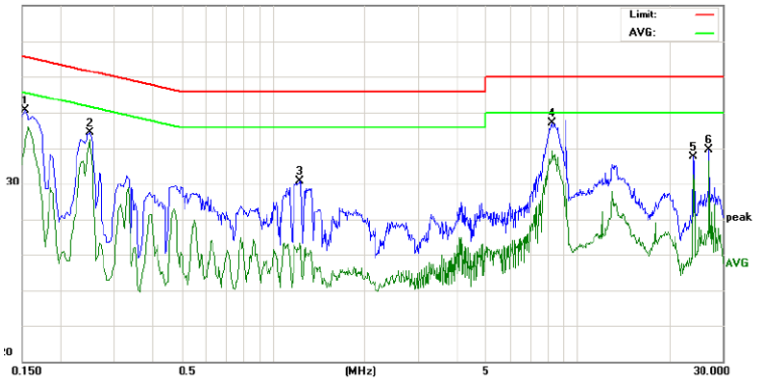
b. The bandwidth of the field strength meter (Receiver) was set at 9kHz in 150kHz ~ 30MHz.

c. The disturbance levels and the frequencies of at least two highest disturbances were recorded from each power line which comprises the EUT.

7.4 TEST RESULT

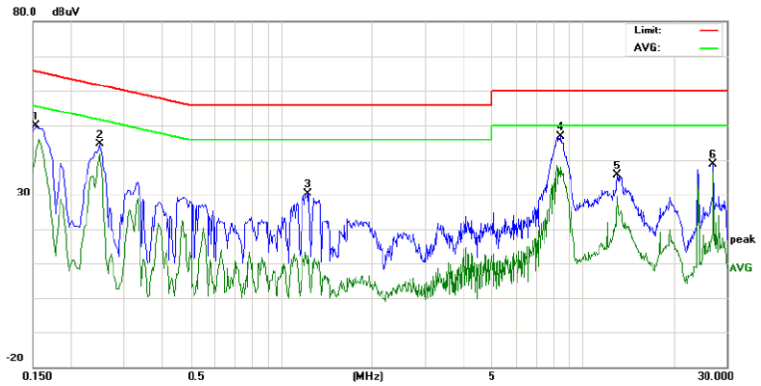
Test Results-L (Test Mode: VGA with Monitor Out)

No.	Freq.	Reading_Level (dBuV)			Correct Factor	Measurement (dBuV)			Limit (dBuV)		Margin (dB)			
	MHz	Peak	QP	AVG	dB	peak	QP	AVG	QP	AVG	QP	AVG	P/F	Comment
1	0.1539	40.66		32.30	9.97	50.63		42.27	65.78	55.78	-15.15	-13.51	P	
2	0.2500	34.52		32.44	9.94	44.46		42.38	61.75	51.75	-17.29	-9.37	P	
3	1.2300	20.96		3.59	9.88	30.84		13.47	56.00	46.00	-25.16	-32.53	P	
4	8.2620	37.30		27.92	9.88	47.18		37.80	60.00	50.00	-12.82	-12.20	P	
5	24.1420	27.87		22.99	9.73	37.60		32.72	60.00	50.00	-22.40	-17.28	P	
6	27.1580	29.88		26.70	9.72	39.60		36.42	60.00	50.00	-20.40	-13.58	P	



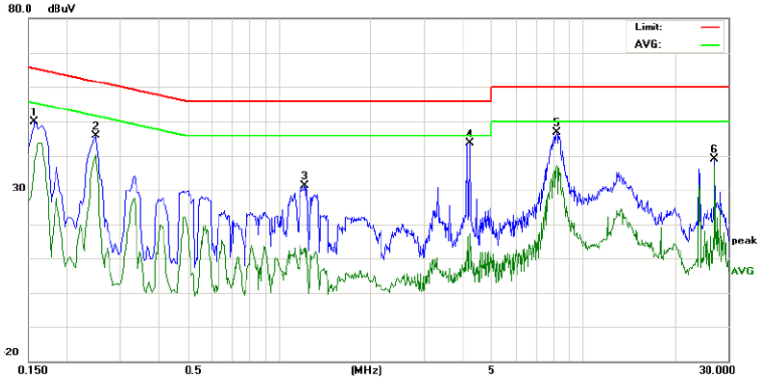
Test Results-N (Test Mode: VGA with Monitor Out)

No.	Freq.	Reading_Level (dBuV)			Correct Factor	Measurement (dBuV)			Limit (dBuV)		Margin (dB)			
	MHz	Peak	QP	AVG	dB	peak	QP	AVG	QP	AVG	QP	AVG	P/F	Comment
1	0.1539	39.84		32.58	9.97	49.81		42.55	65.78	55.78	-15.97	-13.23	P	
2	0.2500	34.60		32.00	9.94	44.54		41.94	61.75	51.75	-17.21	-9.81	P	
3	1.2340	20.50		2.43	9.88	30.38		12.31	56.00	46.00	-25.62	-33.69	P	
4	8.4940	36.96		28.26	9.88	46.84		38.14	60.00	50.00	-13.16	-11.86	P	
5	12.9940	25.78		19.41	9.92	35.70		29.33	60.00	50.00	-24.30	-20.67	P	
6	27.1620	29.09		26.58	9.72	38.81		36.30	60.00	50.00	-21.19	-13.70	P	



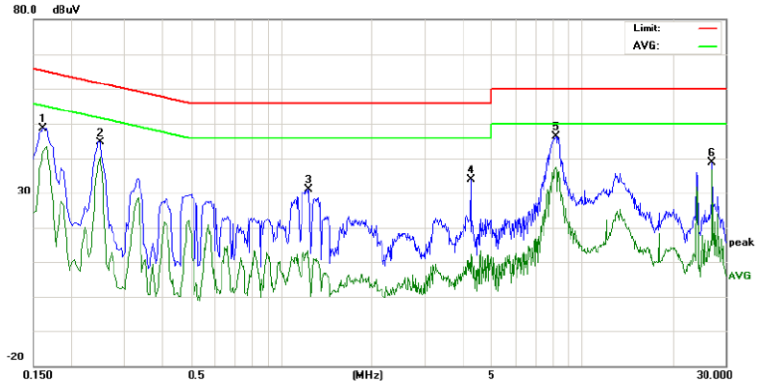
Test Results-L (Test Mode: S-Video In)

No.	Freq.	Reading_Level (dBuV)			Correct Factor	Measurement (dBuV)			Limit (dBuV)		Margin (dB)			
	MHz	Peak	QP	AVG	dB	peak	QP	AVG	QP	AVG	QP	AVG	P/F	Comment
1	0.1580	39.94		28.36	9.97	49.91		38.33	65.56	55.56	-15.65	-17.23	P	
2	0.2500	35.85		30.39	9.94	45.79		40.33	61.75	51.75	-15.96	-11.42	P	
3	1.2220	21.49		3.37	9.88	31.37		13.25	56.00	46.00	-24.63	-32.75	P	
4	4.2580	33.69		7.53	9.87	43.56		17.40	56.00	46.00	-12.44	-28.60	P	
5	8.2140	37.02		27.20	9.88	46.90		37.08	60.00	50.00	-13.10	-12.92	P	
6	27.1580	29.42		27.25	9.72	39.14		36.97	60.00	50.00	-20.86	-13.03	P	



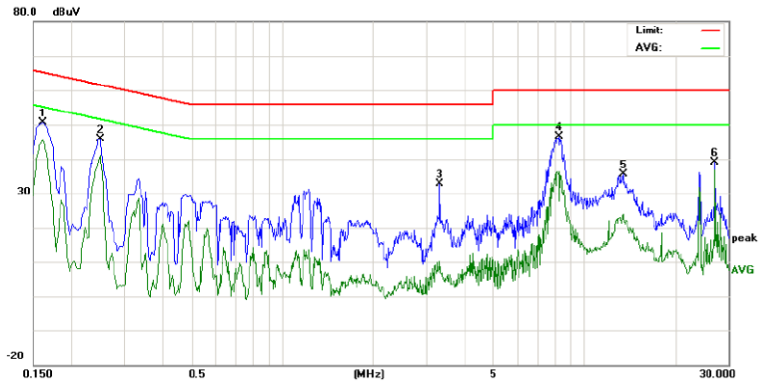
Test Results-N (Test Mode: S-Video In)

No.	Freq.	Reading_Level (dBuV)			Correct Factor	Measurement (dBuV)			Limit (dBuV)		Margin (dB)			
	MHz	Peak	QP	AVG	dB	peak	QP	AVG	QP	AVG	QP	AVG	P/F	Comment
1	0.1620	38.66		32.01	9.96	48.62		41.97	65.36	55.36	-16.74	-13.39	P	
2	0.2500	34.67		30.53	9.94	44.61		40.47	61.75	51.75	-17.14	-11.28	P	
3	1.2420	21.28		1.39	9.88	31.16		11.27	56.00	46.00	-24.84	-34.73	P	
4	4.2819	24.07		2.51	9.87	33.94		12.38	56.00	46.00	-22.06	-33.62	P	
5	8.2180	36.39		27.37	9.88	46.27		37.25	60.00	50.00	-13.73	-12.75	P	
6	27.1580	29.23		27.02	9.72	38.95		36.74	60.00	50.00	-21.05	-13.26	P	



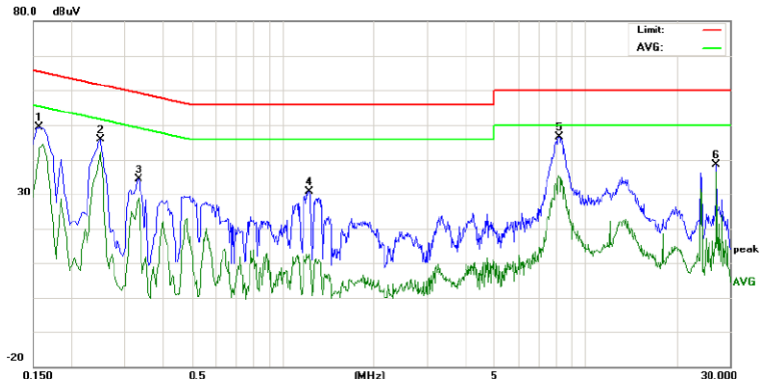
Test Results-L (Test Mode: LAN)

No.	Freq.	Reading_Level (dBuV)			Correct Factor	Measurement (dBuV)			Limit (dBuV)		Margin (dB)			
	MHz	Peak	QP	AVG	dB	peak	QP	AVG	QP	AVG	QP	AVG	P/F	Comment
1	0.1620	40.61		35.77	9.96	50.57		45.73	65.36	55.36	-14.79	-9.63	P	
2	0.2500	35.93		31.31	9.94	45.87		41.25	61.75	51.75	-15.88	-10.50	P	
3	3.3380	22.90		0.51	9.88	32.78		10.39	56.00	46.00	-23.22	-35.61	P	
4	8.2739	36.84		26.37	9.88	46.72		36.25	60.00	50.00	-13.28	-13.75	P	
5	13.4500	25.72		14.25	9.93	35.65		24.18	60.00	50.00	-24.35	-25.82	P	
6	27.1580	29.43		27.18	9.72	39.15		36.90	60.00	50.00	-20.85	-13.10	P	



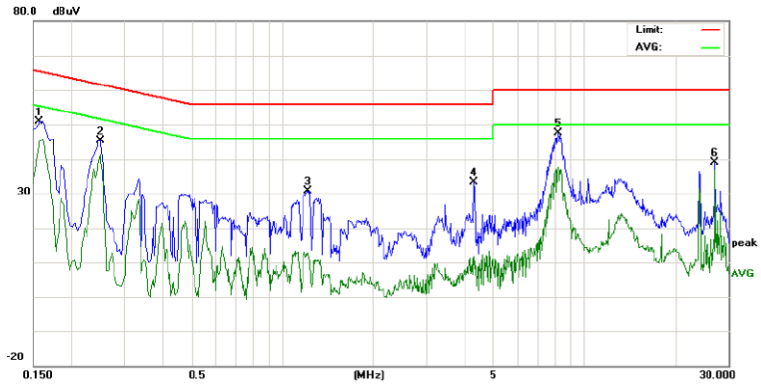
Test Results-N (Test Mode: LAN)

No.	Freq.	Reading_Level (dBuV)			Correct Factor	Measurement (dBuV)			Limit (dBuV)		Margin (dB)			
	MHz	Peak	QP	AVG	dB	peak	QP	AVG	QP	AVG	QP	AVG	P/F	Comment
1	0.1580	39.31		33.34	9.97	49.28		43.31	65.56	55.56	-16.28	-12.25	P	
2	0.2500	35.86		32.06	9.94	45.80		42.00	61.75	51.75	-15.95	-9.75	P	
3	0.3339	24.50		18.82	9.94	34.44		28.76	59.35	49.35	-24.91	-20.59	P	
4	1.2340	21.12		1.85	9.88	31.00		11.73	56.00	46.00	-25.00	-34.27	P	
5	8.2220	36.84		24.98	9.88	46.72		34.86	60.00	50.00	-13.28	-15.14	P	
6	27.1580	28.79		26.62	9.72	38.51		36.34	60.00	50.00	-21.49	-13.66	P	



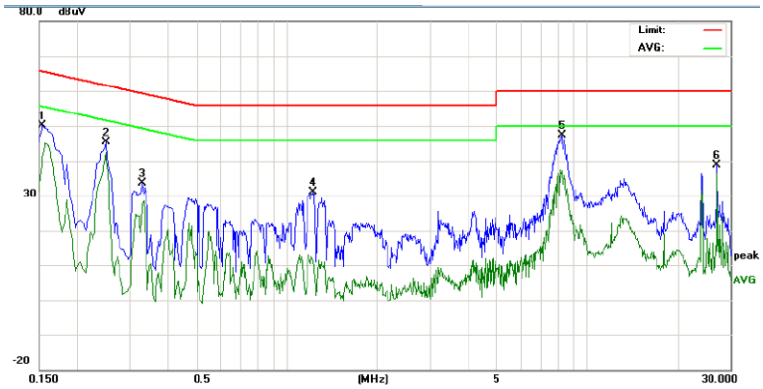
Test Results-L (Test Mode: AV IN)

No.	Freq.	Reading_Level (dBuV)			Correct Factor	Measurement (dBuV)			Limit (dBuV)		Margin (dB)			
	MHz	Peak	QP	AVG	dB	peak	QP	AVG	QP	AVG	QP	AVG	P/F	Comment
1	0.1580	40.85		35.20	9.97	50.82		45.17	65.56	55.56	-14.74	-10.39	P	
2	0.2500	35.38		31.48	9.94	45.32		41.42	61.75	51.75	-16.43	-10.33	P	
3	1.2220	21.04		3.08	9.88	30.92		12.96	56.00	46.00	-25.08	-33.04	P	
4	4.3180	23.47		2.11	9.87	33.34		11.98	56.00	46.00	-22.66	-34.02	P	
5	8.2140	37.75		27.82	9.88	47.63		37.70	60.00	50.00	-12.37	-12.30	P	
6	27.1580	29.52		27.27	9.72	39.24		36.99	60.00	50.00	-20.76	-13.01	P	



Test Results-N (Test Mode: AV IN)

No.	Freq.	Reading_Level (dBuV)			Correct Factor	Measurement (dBuV)			Limit (dBuV)		Margin (dB)			
	MHz	Peak	QP	AVG	dB	peak	QP	AVG	QP	AVG	QP	AVG	P/F	Comment
1	0.1539	40.05		30.89	9.97	50.02		40.86	65.78	55.78	-15.76	-14.92	P	
2	0.2500	35.42		32.45	9.94	45.36		42.39	61.75	51.75	-16.39	-9.36	P	
3	0.3300	23.69		16.97	9.94	33.63		26.91	59.45	49.45	-25.82	-22.54	P	
4	1.2340	21.20		1.54	9.88	31.08		11.42	56.00	46.00	-24.92	-34.58	P	
5	8.2700	37.46		27.22	9.88	47.34		37.10	60.00	50.00	-12.66	-12.90	P	
6	27.1580	29.20		26.75	9.72	38.92		36.47	60.00	50.00	-21.08	-13.53	P	



8. RADIATED EMISSION TEST

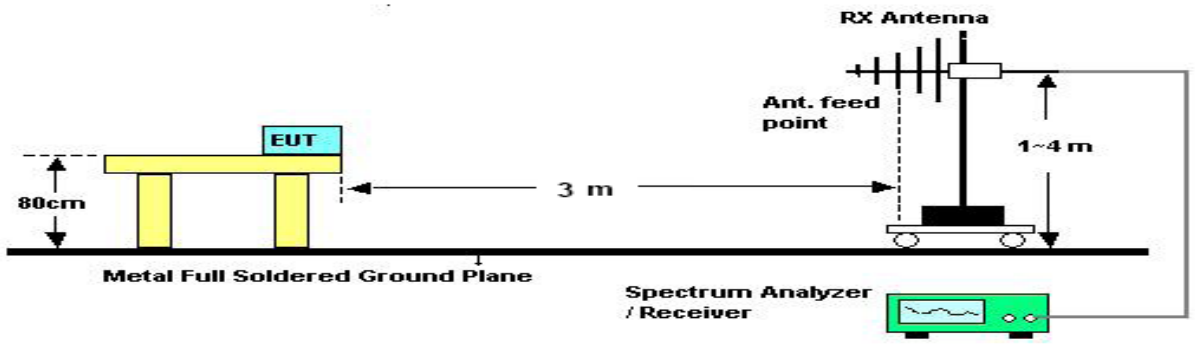
8.1 LIMITS

Frequency (MHz)	Field strength (μV/m)	Distance (m)
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

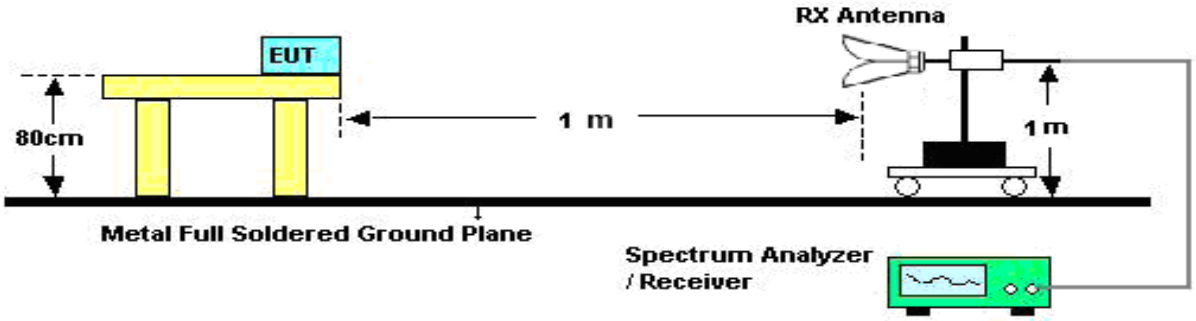
Note: the tighter limit applies at the band edges.

8.2 BLOCK DIAGRAM OF TEST SETUP

For radiated emissions from 30 - 1000MHz



For radiated emissions from 1GHz to 24GHz



8.3 PROCEDURE

1. Configure the EUT according to ANSI C63.4. The EUT was placed on the top of the turntable 0.8meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.

2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.

3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.

4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
6. For emissions above 1GHz, use 1MHz VBW and RBW for peak reading. Then 1MHz RBW and 10Hz VBW for average reading in spectrum analyzer.
7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value.
8. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High – Low scan is not required in this case.

8.4 TEST RESULT OF RADIATED EMISSION TEST

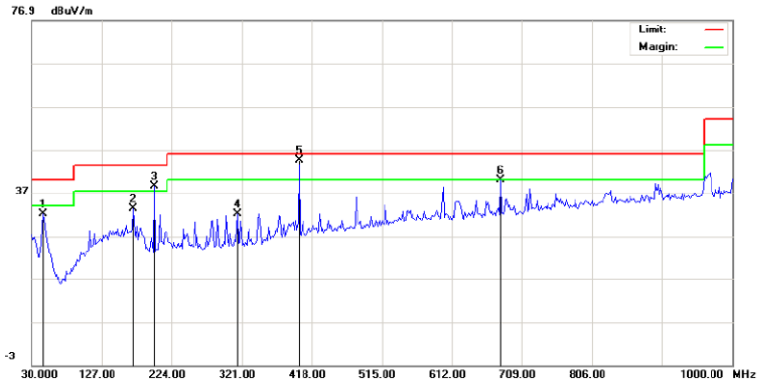
Note: Limit dBμV/m @1m = Limit dBμV/m @300m+ 90
Limit dBμV/m @1m = Limit dBμV/m @30m + 50
Limit dBμV/m @1m = Limit dBμV/m @3m +10

8.4.1 Results of Radiated Emissions (Mode: VGA with Monitor Out)

1. For 30MHz~1GHz

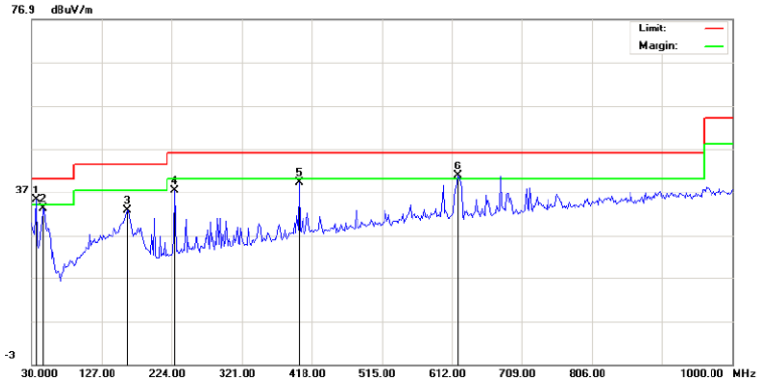
Test Results - H (Measurement Distance: 3m)

No.	Freq.	Reading_Level (dBuV)			Correct Factor	Measurement (dBuV/m)			Limit (dBuV/m)		Margin (dB)			
	MHz	Peak	QP	AVG	dB	peak	QP	AVG	QP	AVG	QP	AVG	P/F	Comment
1	46.1666	19.31			12.83	32.14			40.00		-7.86		P	
2	170.6500	15.14			18.19	33.33			43.50		-10.17		P	
3	199.7500	25.09			13.54	38.63			43.50		-4.87		P	
4	314.5332	15.82			16.31	32.13			46.00		-13.87		P	
5	400.2167	26.03	25.28		18.51	44.54	43.79		46.00		-2.21		P	
6	679.8999	16.29			23.68	39.97			46.00		-6.03		P	



Test Results - V (Measurement Distance: 3m)

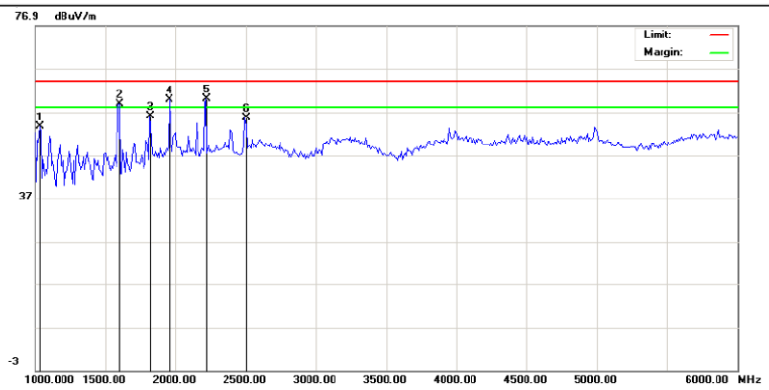
No.	Freq.	Reading_Level (dBuV)			Correct Factor	Measurement (dBuV/m)			Limit (dBuV/m)		Margin (dB)			
	MHz	Peak	QP	AVG	dB	peak	QP	AVG	QP	AVG	QP	AVG	P/F	Comment
1	36.4667	17.75			17.46	35.21			40.00		-4.79		P	
2	46.1667	20.38			12.83	33.21			40.00		-6.79		P	
3	162.5667	14.22			18.55	32.77			43.50		-10.73		P	
4	228.8500	23.60			13.74	37.34			46.00		-8.66		P	
5	400.2167	20.71			18.51	39.22			46.00		-6.78		P	
6	620.0833	18.40			22.48	40.88			46.00		-5.12		P	



2. For above 1GHz

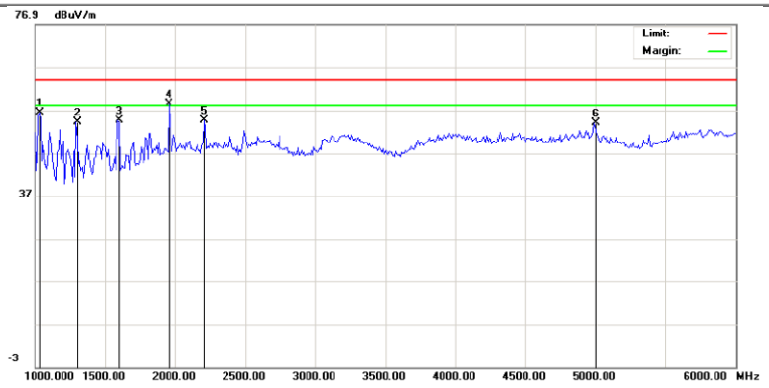
Test Results - H (Measurement Distance: 1m)

No.	Freq.	Reading_Level (dBuV)			Correct Factor	Measurement (dBuV/m)			Limit (dBuV/m)		Margin (dB)			
	MHz	Peak	QP	AVG	dB	peak	QP	AVG	QP	AVG	QP	AVG	P/F	Comment
1	1033.333	57.71			-4.01	53.70			64.00		-10.30		P	
2	1600.000	58.29			0.54	58.83			64.00		-5.17		P	
3	1816.667	52.04			3.89	55.93			64.00		-8.07		P	
4	1958.333	53.66		45.74	6.08	59.74		51.82	64.00		-4.26		P	
5	2216.667	52.76			7.19	59.95			64.00		-4.05		P	
6	2491.667	47.76			7.77	55.53			64.00		-8.47		P	



Test Results - V (Measurement Distance: 1m)

No.	Freq.	Reading_Level (dBuV)			Correct Factor	Measurement (dBuV/m)			Limit (dBuV/m)		Margin (dB)			
	MHz	Peak	QP	AVG	dB	peak	QP	AVG	QP	AVG	QP	AVG	P/F	Comment
1	1033.333	60.33			-4.01	56.32			64.00		-7.68		P	
2	1291.667	56.62			-2.35	54.27			64.00		-9.73		P	
3	1591.667	54.22			0.41	54.63			64.00		-9.37		P	
4	1958.333	52.32			6.08	58.40			64.00		-5.60		P	
5	2208.333	47.42			7.17	54.59			64.00		-9.41		P	
6	4991.667	42.89			11.04	53.93			64.00		-10.07		P	

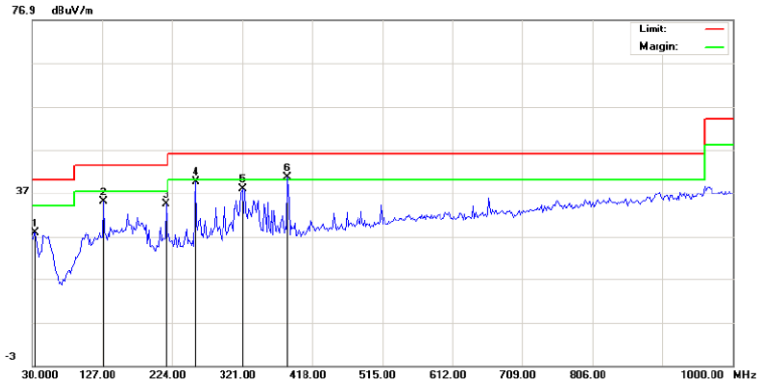


8.4.2 Results of Radiated Emissions (Mode: AV IN)

1.. For 30MHz~1GHz

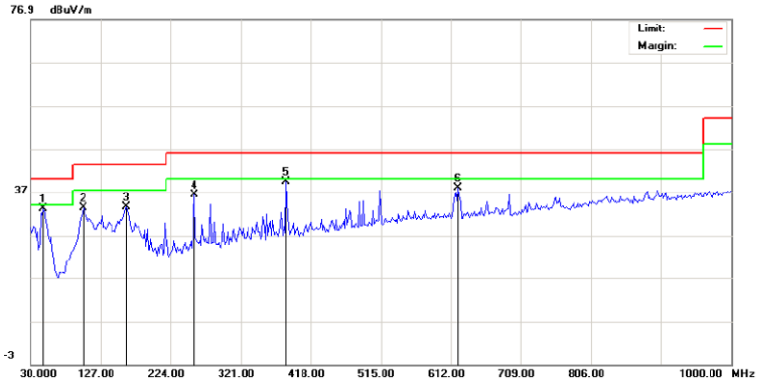
Test Results - H (Measurement Distance: 3m)

No.	Freq.	Reading_Level (dBuV)			Correct Factor	Measurement (dBuV/m)			Limit (dBuV/m)		Margin (dB)			
	MHz	Peak	QP	AVG	dB	peak	QP	AVG	QP	AVG	QP	AVG	P/F	Comment
1	34.8500	8.93			18.89	27.82			40.00		-12.18		P	
2	128.6167	16.91			18.07	34.98			43.50		-8.52		P	
3	215.9166	20.94			13.44	34.38			43.50		-9.12		P	
4	256.3333	24.16			15.47	39.63			46.00		-6.37		P	
5	321.0000	21.51			16.49	38.00			46.00		-8.00		P	
6	384.0500	22.46			18.05	40.51			46.00		-5.49		P	



Test Results - V (Measurement Distance: 3m)

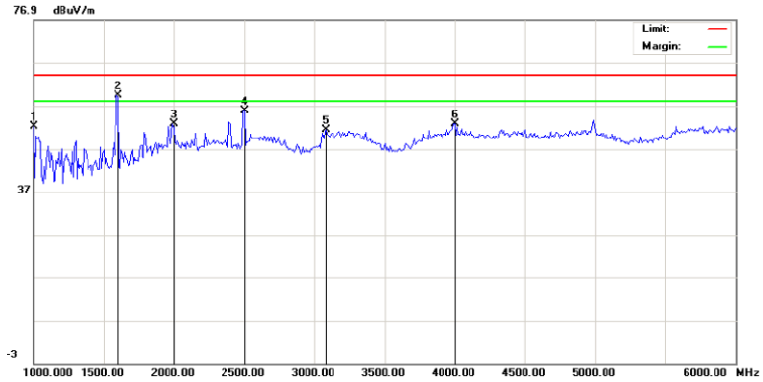
No.	Freq.	Reading_Level (dBuV)			Correct Factor	Measurement (dBuV/m)			Limit (dBuV/m)		Margin (dB)			
	MHz	Peak	QP	AVG	dB	peak	QP	AVG	QP	AVG	QP	AVG	P/F	Comment
1	47.7833	22.03			11.22	33.25			40.00		-6.75		P	
2	102.7500	18.73			14.61	33.34			43.50		-10.16		P	
3	162.5667	15.14			18.55	33.69			43.50		-9.81		P	
4	256.3333	20.85			15.47	36.32			46.00		-9.68		P	
5	384.0500	21.28			18.05	39.33			46.00		-6.67		P	
6	621.7000	15.58			22.45	38.03			46.00		-7.97		P	



2. For above 1GHz

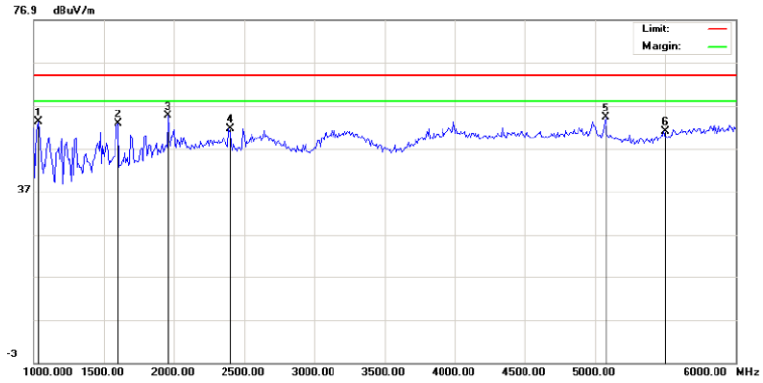
Test Results - H (Measurement Distance: 1m)

No.	Freq.	Reading_Level (dBuV)			Correct Factor	Measurement (dBuV/m)			Limit (dBuV/m)		Margin (dB)			
	MHz	Peak	QP	AVG	dB	peak	QP	AVG	QP	AVG	QP	AVG	P/F	Comment
1	1000.000	56.48			-4.22	52.26			64.00		-11.74		P	
2	1591.667	58.97		37.25	0.41	59.38		37.66	64.00		-4.62		P	
3	1991.667	46.17			6.60	52.77			64.00		-11.23		P	
4	2500.000	48.09			7.79	55.88			64.00		-8.12		P	
5	3083.333	42.73			8.71	51.44			64.00		-12.56		P	
6	4000.000	42.76			10.10	52.86			64.00		-11.14		P	



Test Results - V (Measurement Distance: 1m)

No.	Freq.	Reading_Level (dBuV)			Correct Factor	Measurement (dBuV/m)			Limit (dBuV/m)		Margin (dB)			
	MHz	Peak	QP	AVG	dB	peak	QP	AVG	QP	AVG	QP	AVG	P/F	Comment
1	1033.333	57.24			-4.01	53.23			64.00		-10.77		P	
2	1600.000	52.24			0.54	52.78			64.00		-11.22		P	
3	1958.333	48.45			6.08	54.53			64.00		-9.47		P	
4	2391.667	44.08			7.56	51.64			64.00		-12.36		P	
5	5075.000	43.30			10.99	54.29			64.00		-9.71		P	
6	5491.667	40.21			10.73	50.94			64.00		-13.06		P	

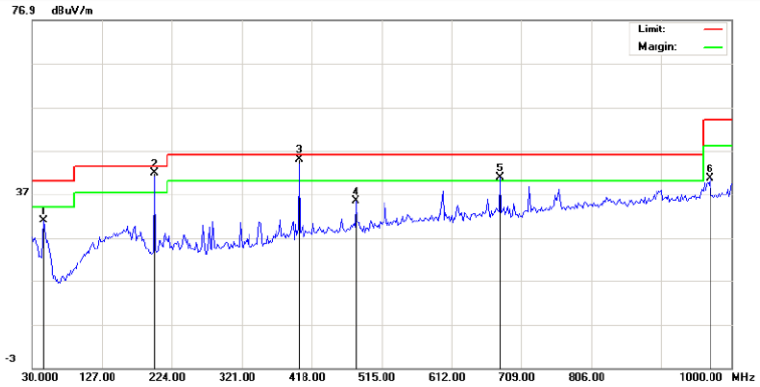


8.4.3 Results of Radiated Emissions (Mode: LAN)

1. For 30MHz~1GHz

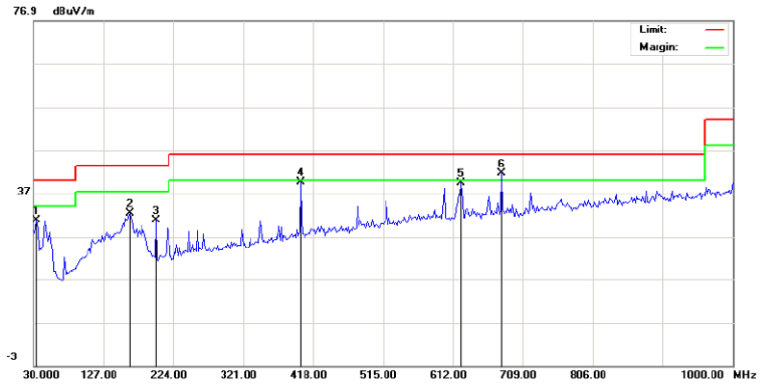
Test Results - H (Measurement Distance: 3m)

No.	Freq.	Reading_Level (dBuV)			Correct Factor	Measurement (dBuV/m)			Limit (dBuV/m)		Margin (dB)			
	MHz	Peak	QP	AVG	dB	peak	QP	AVG	QP	AVG	QP	AVG	P/F	Comment
1	46.1666	18.23			12.83	31.06			40.00		-8.94		P	
2	199.7500	28.26	27.55		13.54	41.80	41.09		43.50		-2.41		P	
3	400.2167	26.43	25.62		18.51	44.94	44.13		46.00		-1.87		P	
4	479.4332	15.33			20.02	35.35			46.00		-10.65		P	
5	679.8999	17.18			23.68	40.86			46.00		-5.14		P	
6	970.8999	13.22			27.32	40.54			54.00		-13.46		P	



Test Results - V (Measurement Distance: 3m)

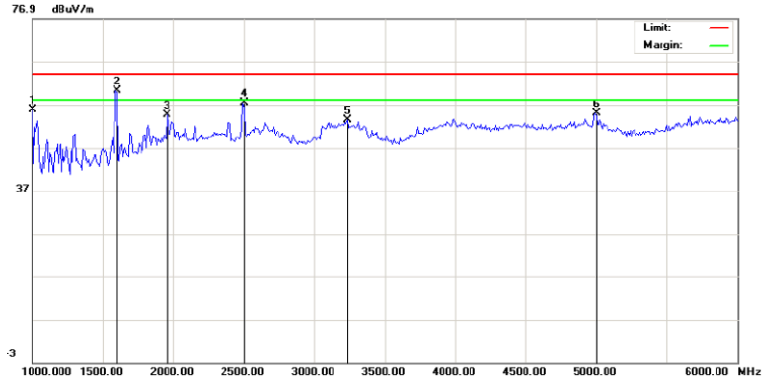
No.	Freq.	Reading_Level (dBuV)			Correct Factor	Measurement (dBuV/m)			Limit (dBuV/m)		Margin (dB)			
	MHz	Peak	QP	AVG	dB	peak	QP	AVG	QP	AVG	QP	AVG	P/F	Comment
1	34.8500	11.96			18.89	30.85			40.00		-9.15		P	
2	164.1833	13.93			18.48	32.41			43.50		-11.09		P	
3	199.7500	17.25			13.54	30.79			43.50		-12.71		P	
4	400.2167	21.07			18.51	39.58			46.00		-6.42		P	
5	623.3167	17.02			22.43	39.45			46.00		-6.55		P	
6	679.9000	17.97			23.68	41.65			46.00		-4.35		P	



2. For above 1GHz

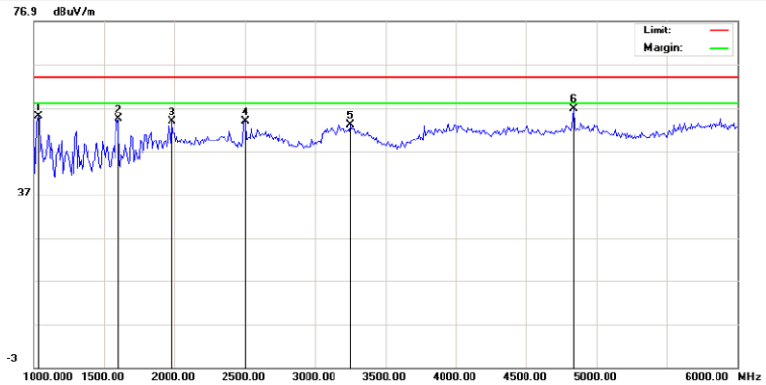
Test Results - H (Measurement Distance: 1m)

No.	Freq.	Reading_Level (dBuV)			Correct Factor	Measurement (dBuV/m)			Limit (dBuV/m)		Margin (dB)			
	MHz	Peak	QP	AVG	dB	peak	QP	AVG	QP	AVG	QP	AVG	P/F	Comment
1	1000.000	60.12			-4.22	55.90			64.00		-8.10		P	
2	1591.667	59.87		40.28	0.41	60.28		40.69	64.00		-3.72		P	
3	1958.333	48.62			6.08	54.70			64.00		-9.30		P	
4	2491.667	49.54			7.77	57.31			64.00		-6.69		P	
5	3233.333	45.23			8.24	53.47			64.00		-10.53		P	
6	4991.667	43.88			11.04	54.92			64.00		-9.08		P	



Test Results - V (Measurement Distance: 1m)

No.	Freq.	Reading_Level (dBuV)			Correct Factor	Measurement (dBuV/m)			Limit (dBuV/m)		Margin (dB)			
	MHz	Peak	QP	AVG	dB	peak	QP	AVG	QP	AVG	QP	AVG	P/F	Comment
1	1033.333	59.07			-4.01	55.06			64.00		-8.94		P	
2	1591.667	53.92			0.41	54.33			64.00		-9.67		P	
3	1983.333	47.33			6.47	53.80			64.00		-10.20		P	
4	2500.000	45.92			7.79	53.71			64.00		-10.29		P	
5	3250.000	44.85			8.19	53.04			64.00		-10.96		P	
6	4833.333	45.84			10.97	56.81			64.00		-7.19		P	

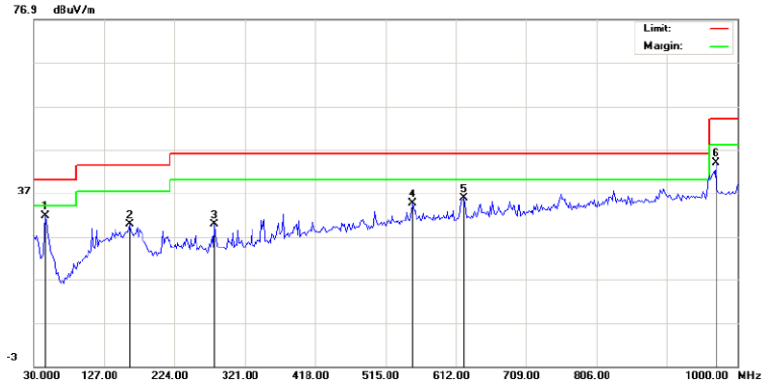


8.4.4 Results of Radiated Emissions (Mode: S-Video In)

1.. For 30MHz~1GHz

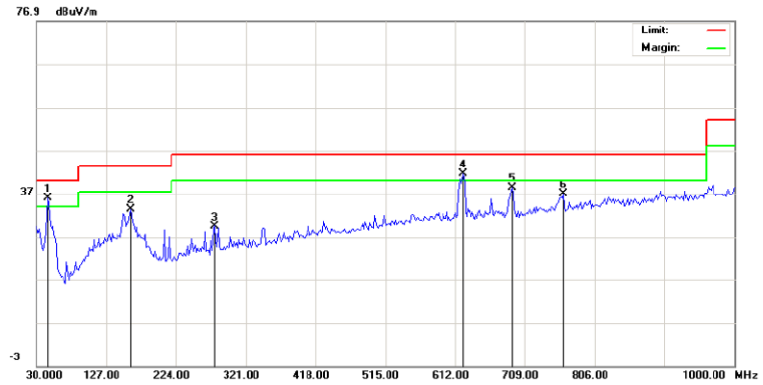
Test Results - H (Measurement Distance: 3m)

No.	Freq.	Reading_Level (dBuV)			Correct Factor	Measurement (dBuV/m)			Limit (dBuV/m)		Margin (dB)			
	MHz	Peak	QP	AVG	dB	peak	QP	AVG	QP	AVG	QP	AVG	P/F	Comment
1	46.1666	19.01			12.83	31.84			40.00		-8.16		P	
2	162.5666	11.25			18.55	29.80			43.50		-13.70		P	
3	278.9667	14.57			15.23	29.80			46.00		-16.20		P	
4	552.1833	12.29			22.24	34.53			46.00		-11.47		P	
5	623.3166	13.33			22.43	35.76			46.00		-10.24		P	
6	970.8999	16.62			27.32	43.94			54.00		-10.06		P	



Test Results - V (Measurement Distance: 1m)

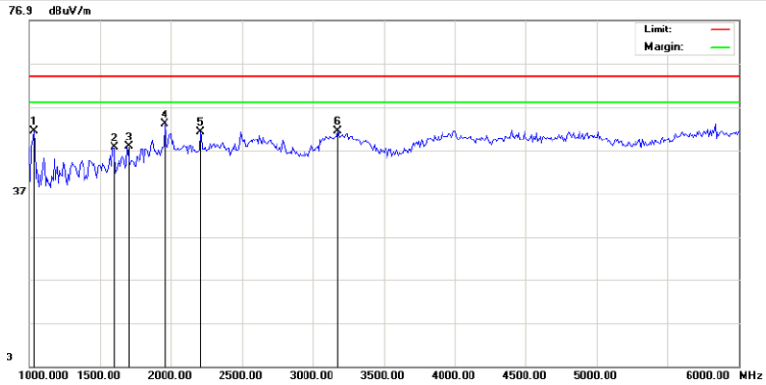
No.	Freq.	Reading_Level (dBuV)			Correct Factor	Measurement (dBuV/m)			Limit (dBuV/m)		Margin (dB)			
	MHz	Peak	QP	AVG	dB	peak	QP	AVG	QP	AVG	QP	AVG	P/F	Comment
1	46.1667	23.09	21.87		12.83	35.92	34.70		40.00		-5.30		P	
2	160.9500	14.83			18.62	33.45			43.50		-10.05		P	
3	277.3500	14.32			15.18	29.50			46.00		-16.50		P	
4	623.3167	19.15	17.92		22.43	41.58	40.35		46.00		-5.65		P	
5	691.2167	15.07			23.41	38.48			46.00		-7.52		P	
6	762.3500	12.21			24.80	37.01			46.00		-8.99		P	



2. For above 1GHz

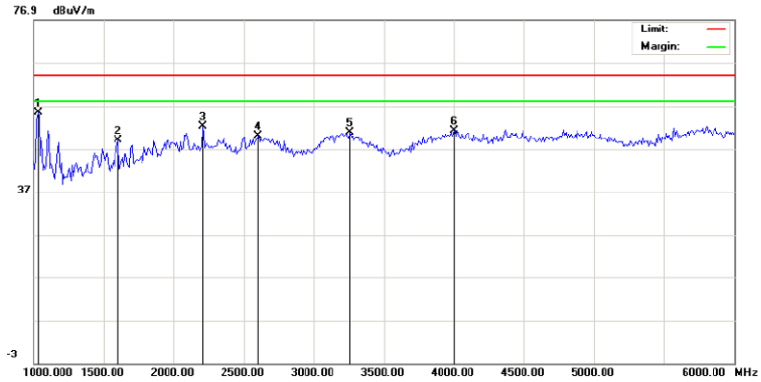
Test Results - H (Measurement Distance: 1m)

No.	Freq.	Reading_Level (dBuV)			Correct Factor	Measurement (dBuV/m)			Limit (dBuV/m)		Margin (dB)		
	MHz	Peak	QP	AVG	dB	peak	QP	AVG	QP	AVG	QP	AVG	P/F Comment
1	1033.333	55.35			-4.01	51.34			64.00		-12.66		P
2	1591.667	47.23			0.41	47.64			64.00		-16.36		P
3	1691.667	45.87			1.96	47.83			64.00		-16.17		P
4	1958.333	46.91			6.08	52.99			64.00		-11.01		P
5	2208.333	44.08			7.17	51.25			64.00		-12.75		P
6	3175.000	43.03			8.42	51.45			64.00		-12.55		P

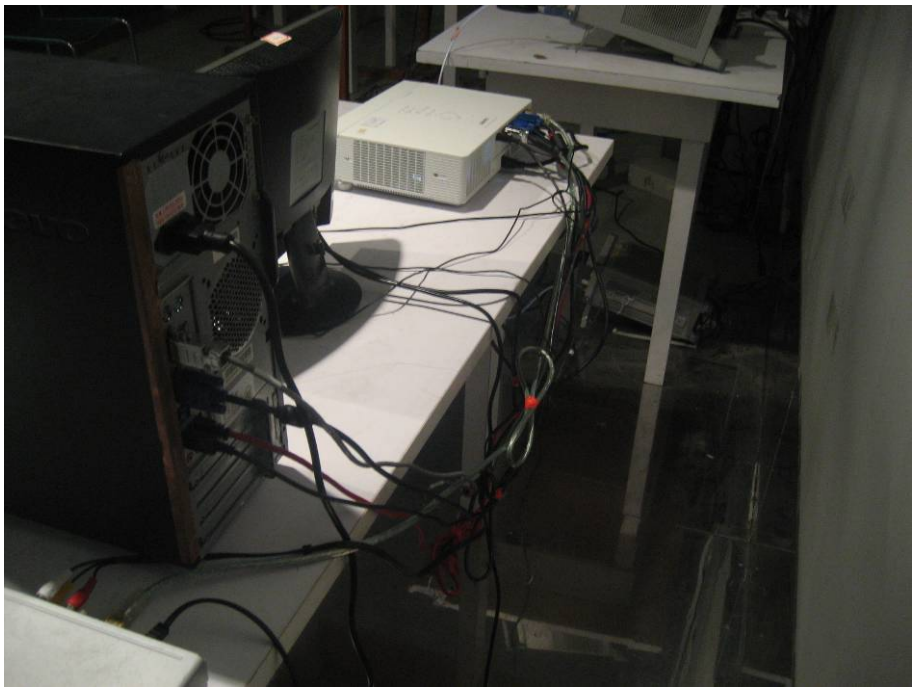


Test Results - V (Measurement Distance: 1m)

No.	Freq.	Reading_Level (dBuV)			Correct Factor	Measurement (dBuV/m)			Limit (dBuV/m)		Margin (dB)		
	MHz	Peak	QP	AVG	dB	peak	QP	AVG	QP	AVG	QP	AVG	P/F Comment
1	1033.333	59.40			-4.01	55.39			64.00		-8.61		P
2	1600.000	48.46			0.54	49.00			64.00		-15.00		P
3	2208.333	45.08			7.17	52.25			64.00		-11.75		P
4	2600.000	41.99			8.03	50.02			64.00		-13.98		P
5	3258.333	42.55			8.16	50.71			64.00		-13.29		P
6	4000.000	41.20			10.10	51.30			64.00		-12.70		P



APPENDIX 1 PHOTOGRAPHS OF TEST SETUP

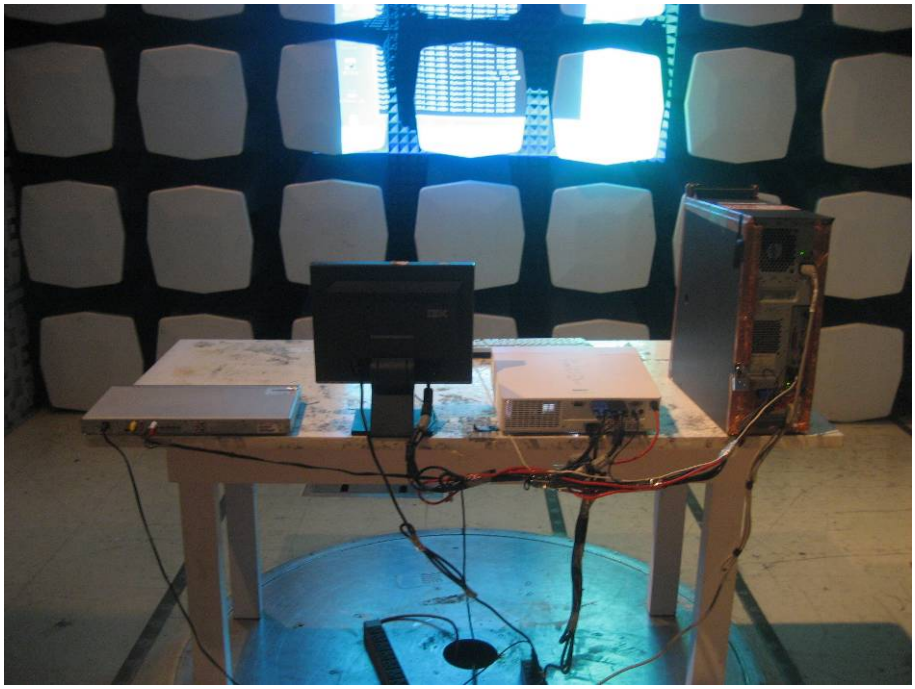


TEST SETUP OF CONDUCTED EMISSION-1

TEST SETUP OF CONDUCTED EMISSION-2

TEST SETUP OF RADIATED EMISSION (30MHz-1GHz)

TEST SETUP OF RADIATED EMISSION (above 1GHz)



TEST SETUP OF RADIATED EMISSION - BACK VIEW

APPENDIX 2 EXTERNAL PHOTOGRAPHS OF EUT

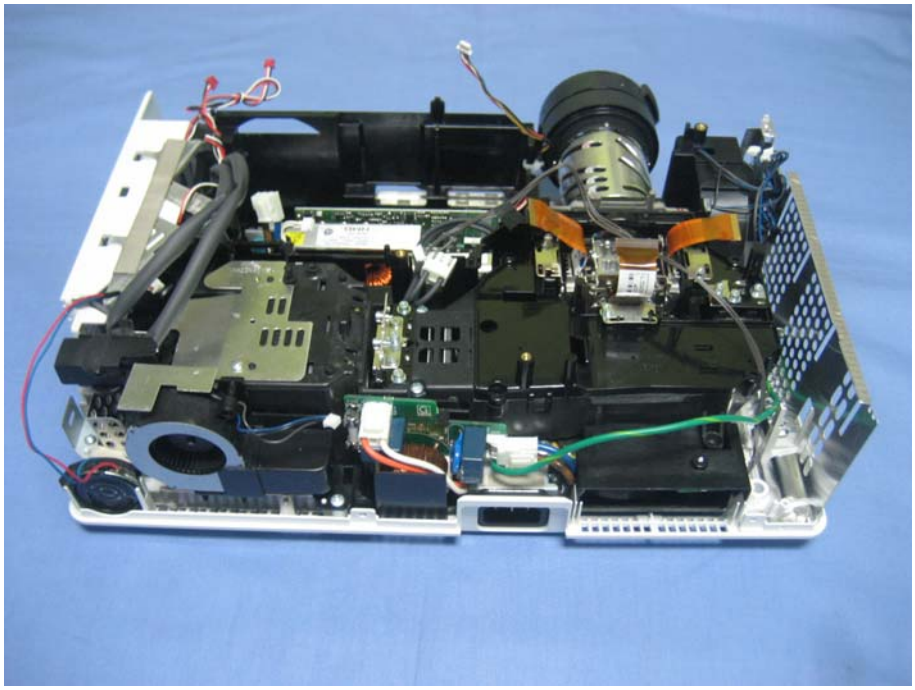
View of EUT-1

View of EUT-2

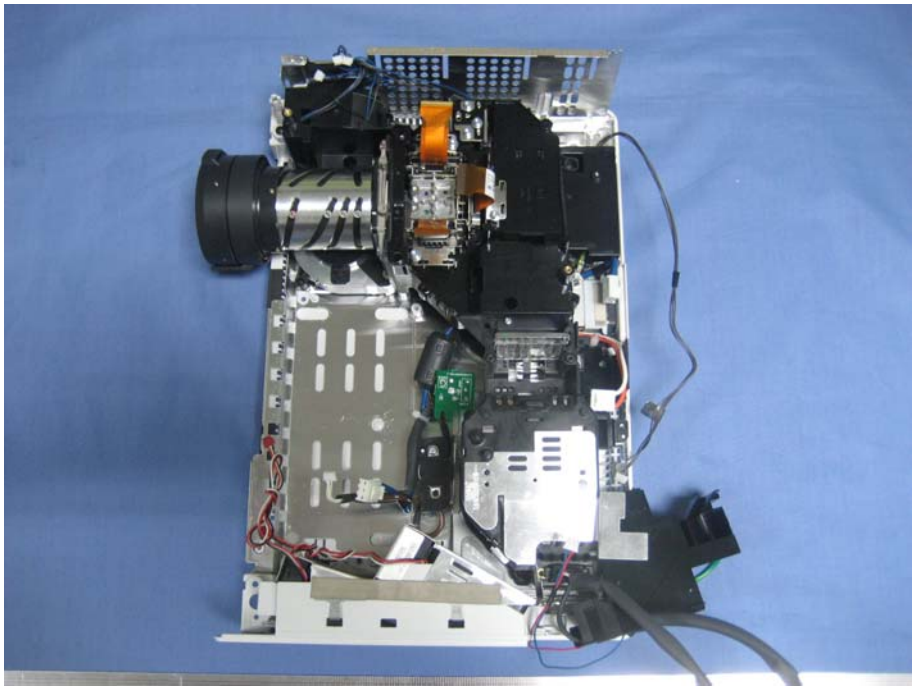
APPENDIX 3 INTERNAL PHOTOGRAPHS OF EUT

Internal View-1 (PCBs 1s in EUT)

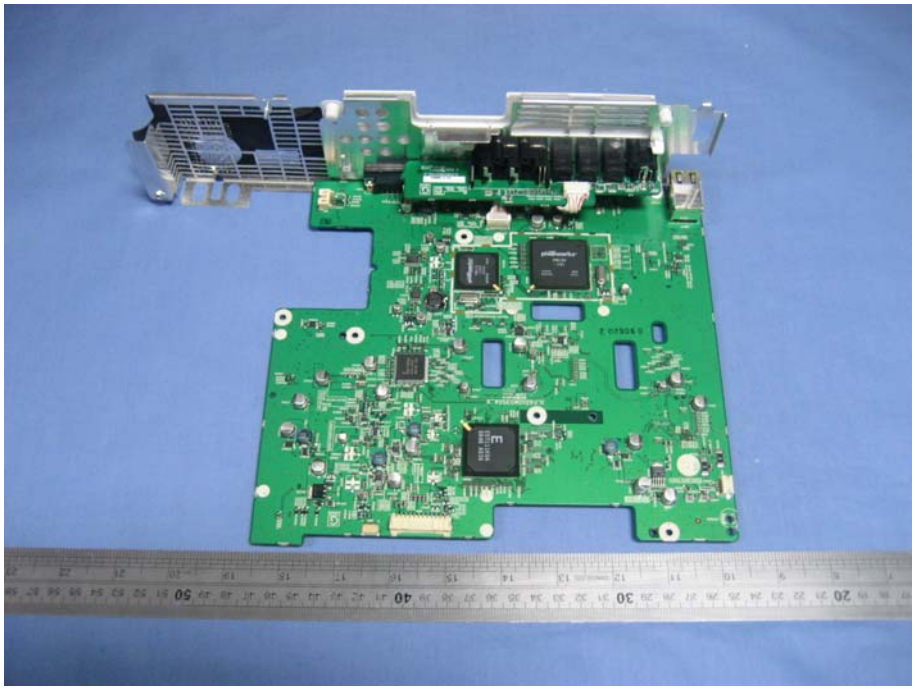
Internal View-2 (PCB 2 (left) & PCB 3 (right) in EUT)



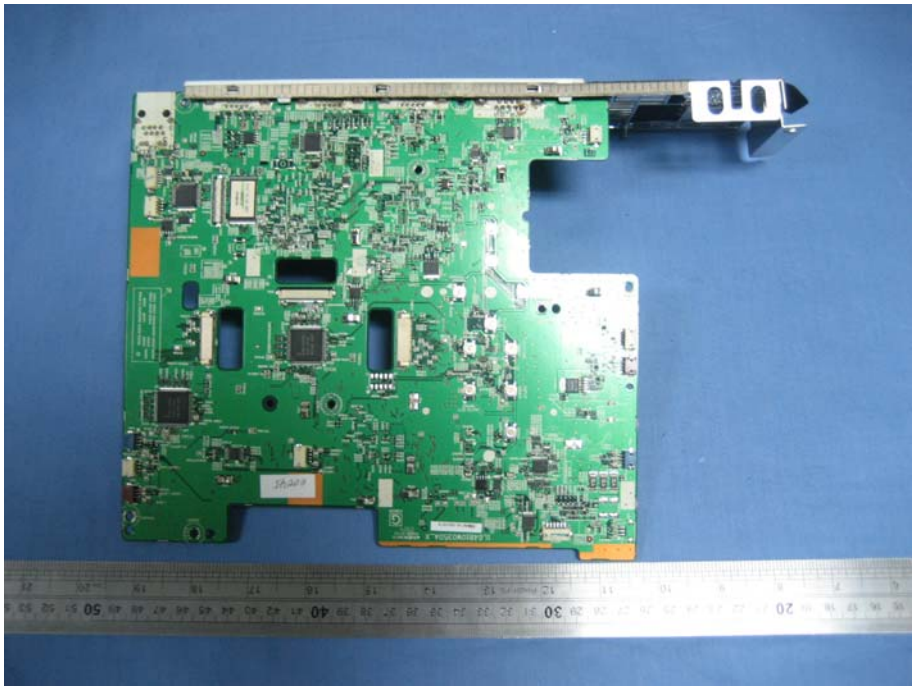
Internal View-3 (PCB 4 (left) & PCB 5 (right) & PCB 6 (mid) in EUT)



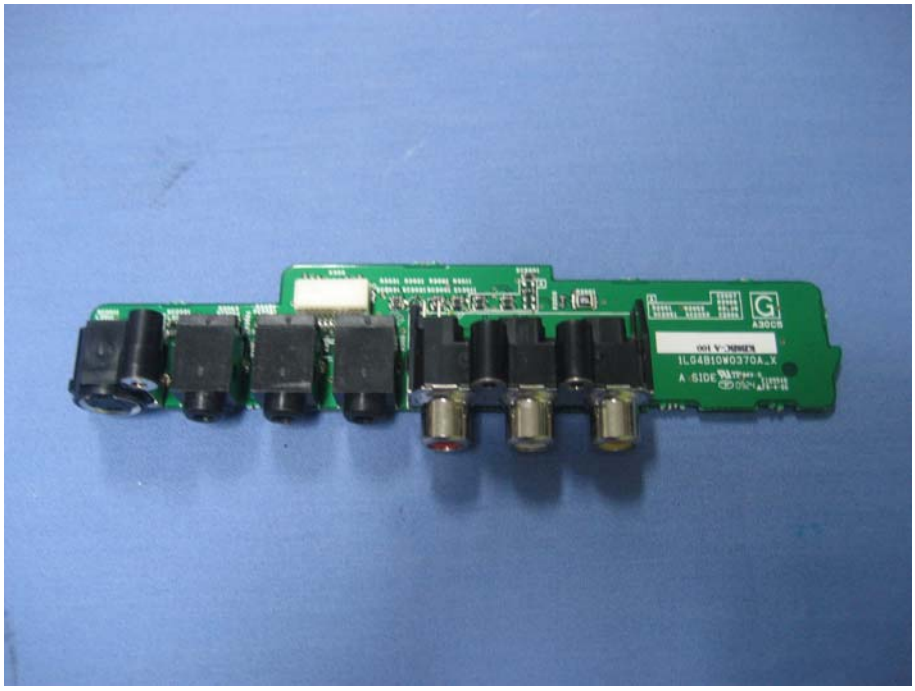
Internal View-4 (PCB 7 in EUT)



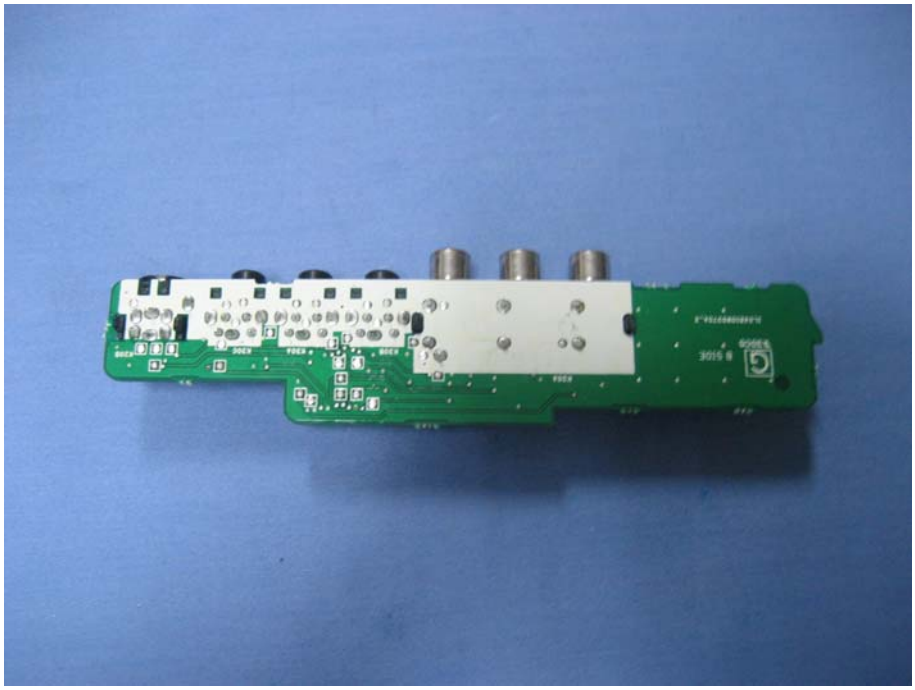
PCBs 1s – face view



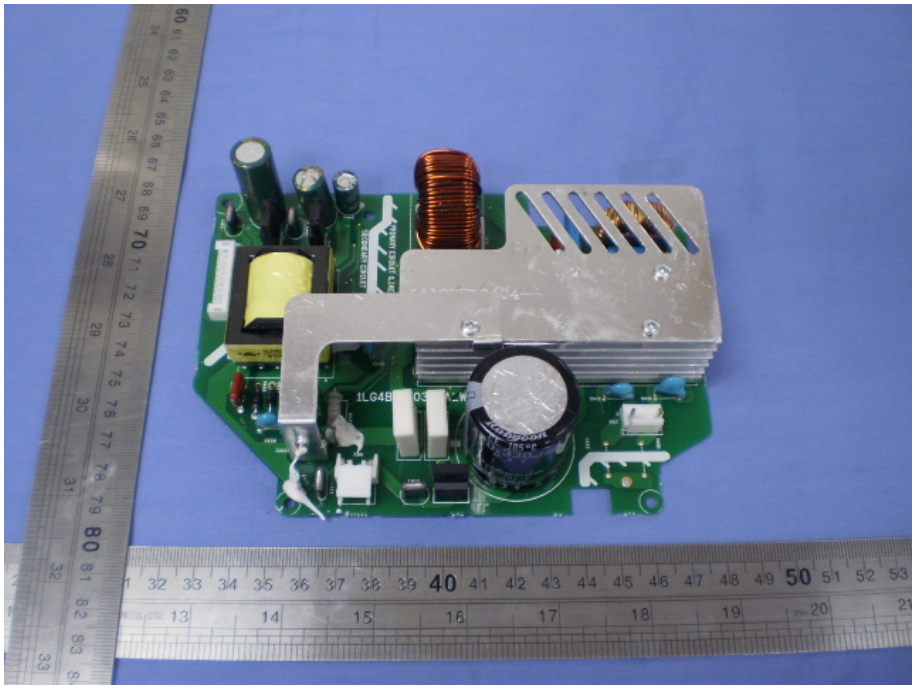
PCBs 1s – bottom view



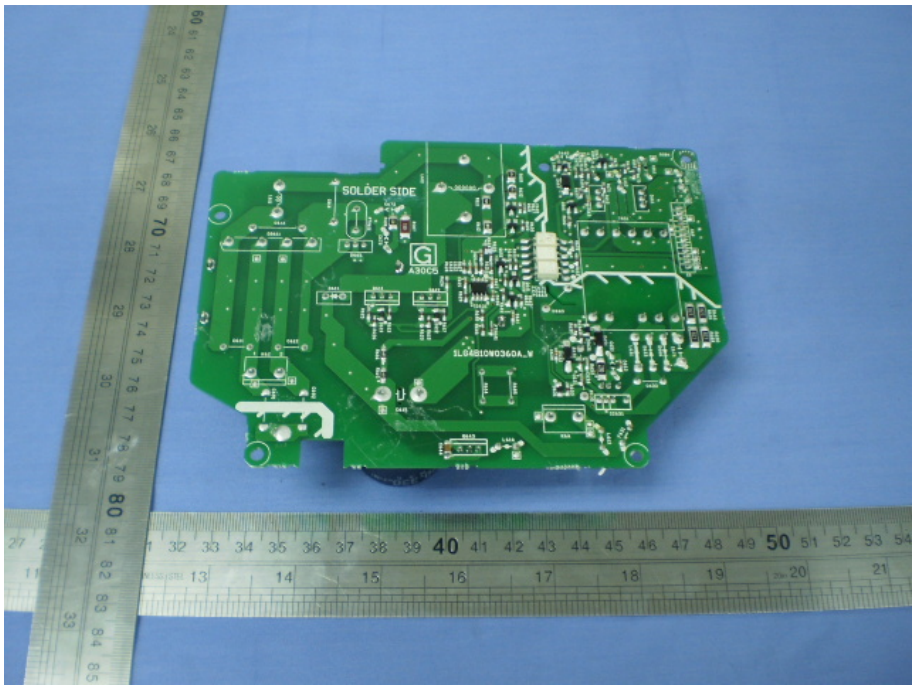
Mini PCB 1-1 – face view (from PCBs 1s)



Mini PCB 1-1 – bottom view (from PCBs 1s)

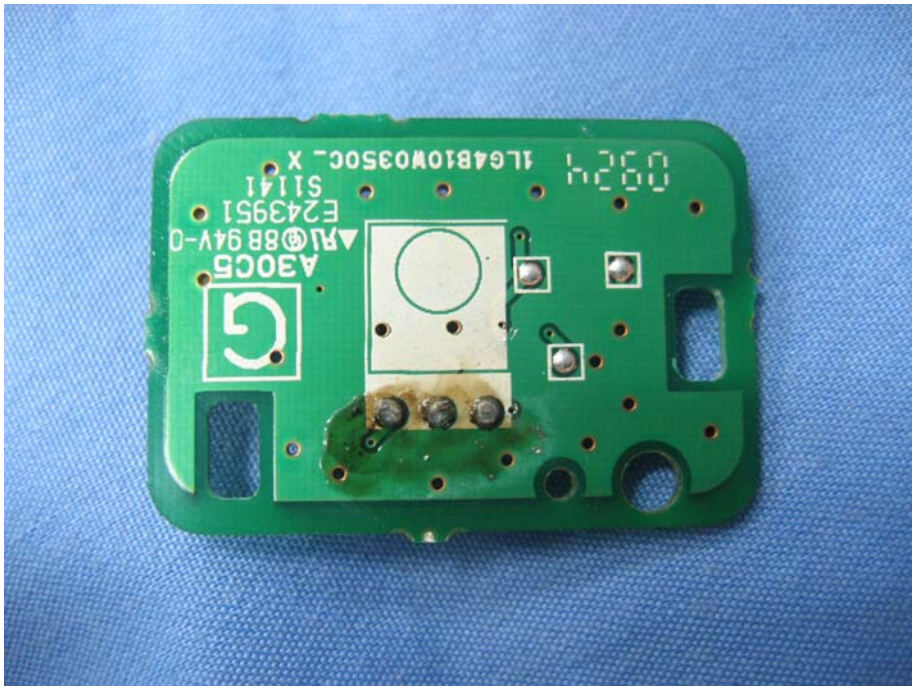


PCB 2 – face view

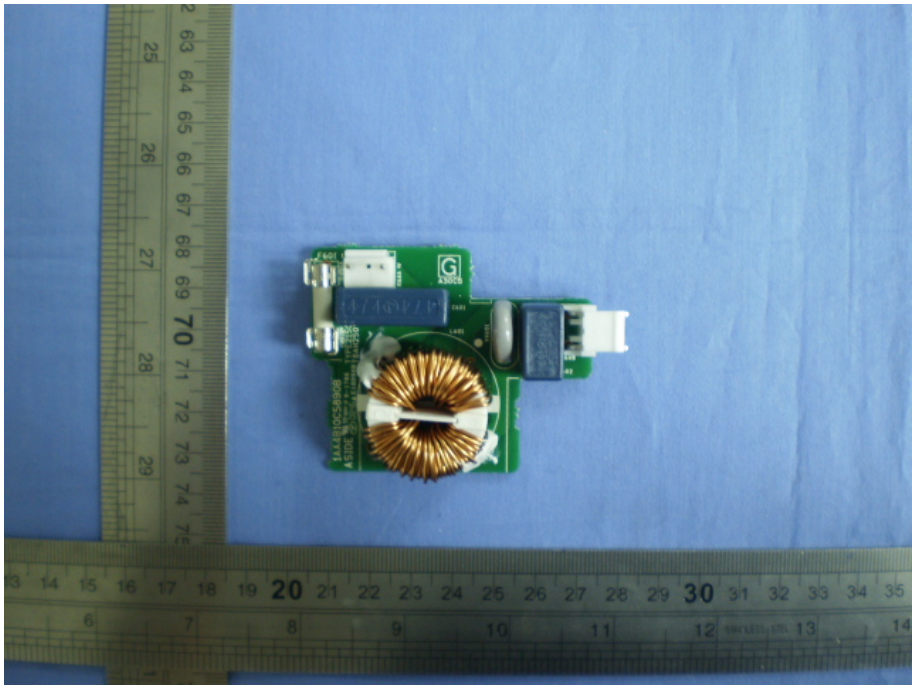


PCB 2 – bottom view

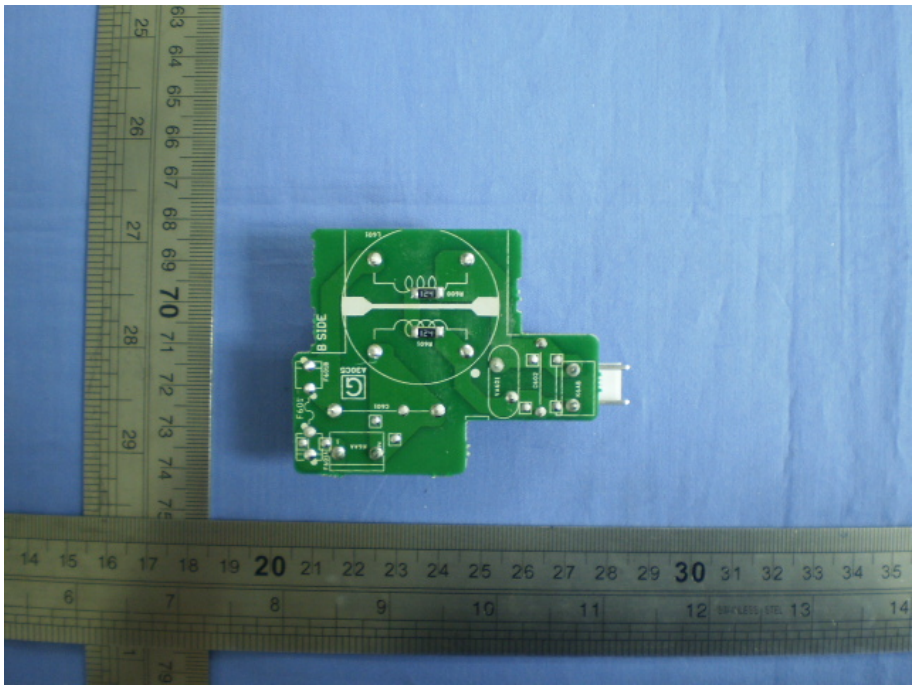
PCB 3 – face view



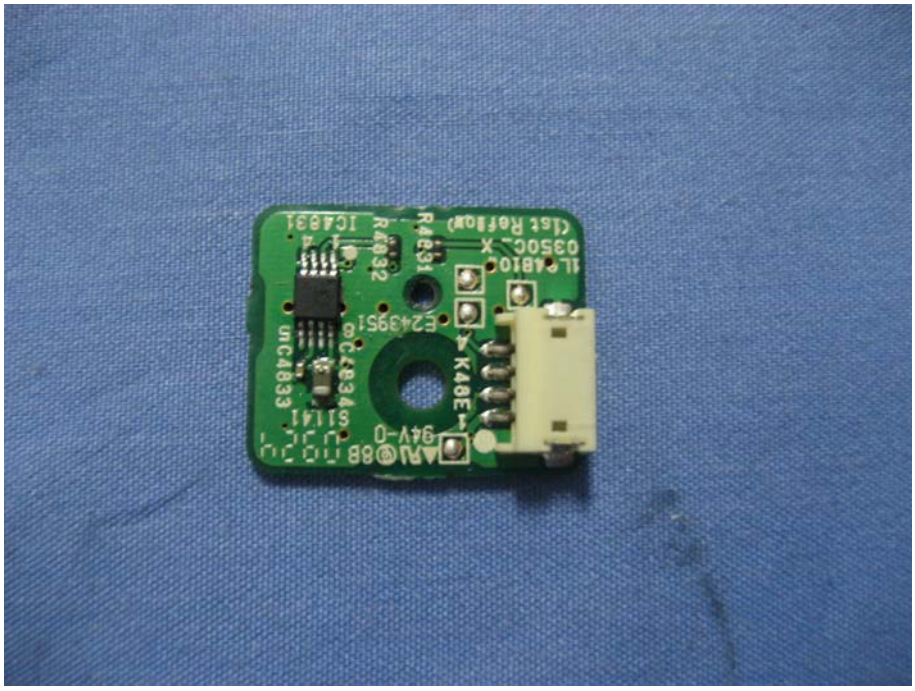
PCB 3 – bottom view



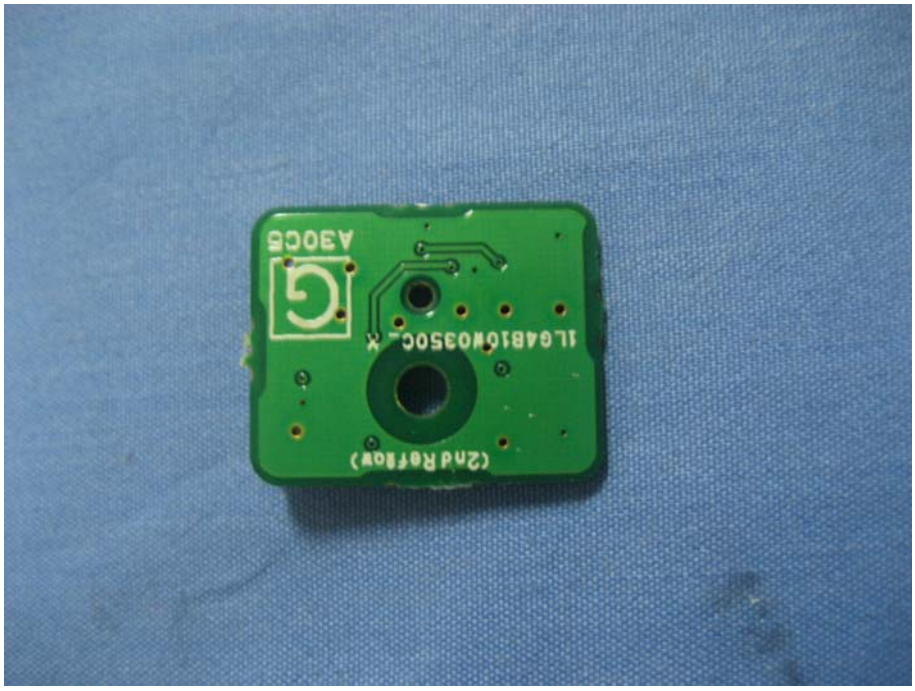
PCB 4 – face view



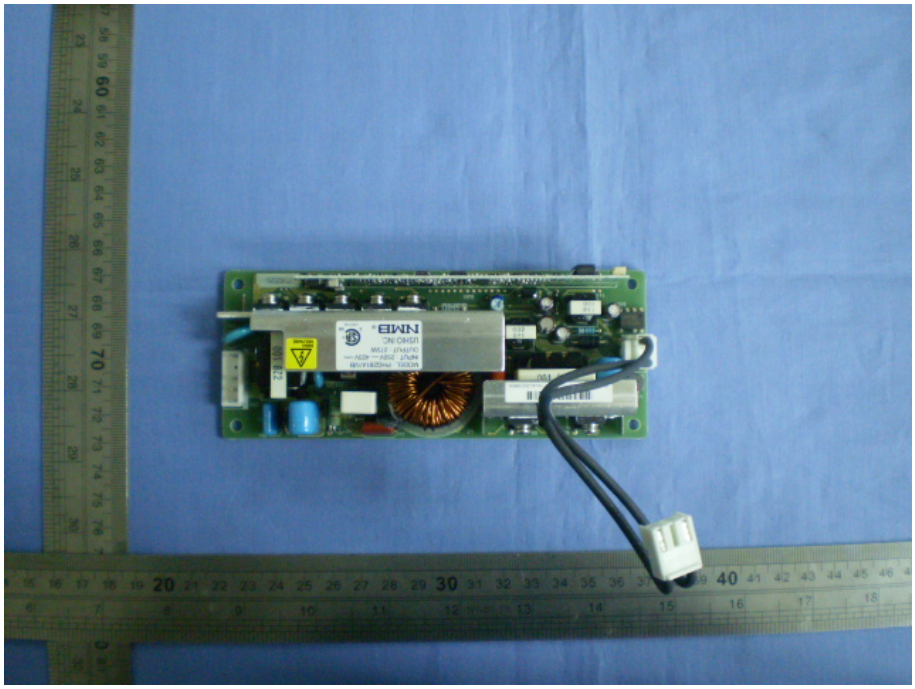
PCB 4 – bottom view



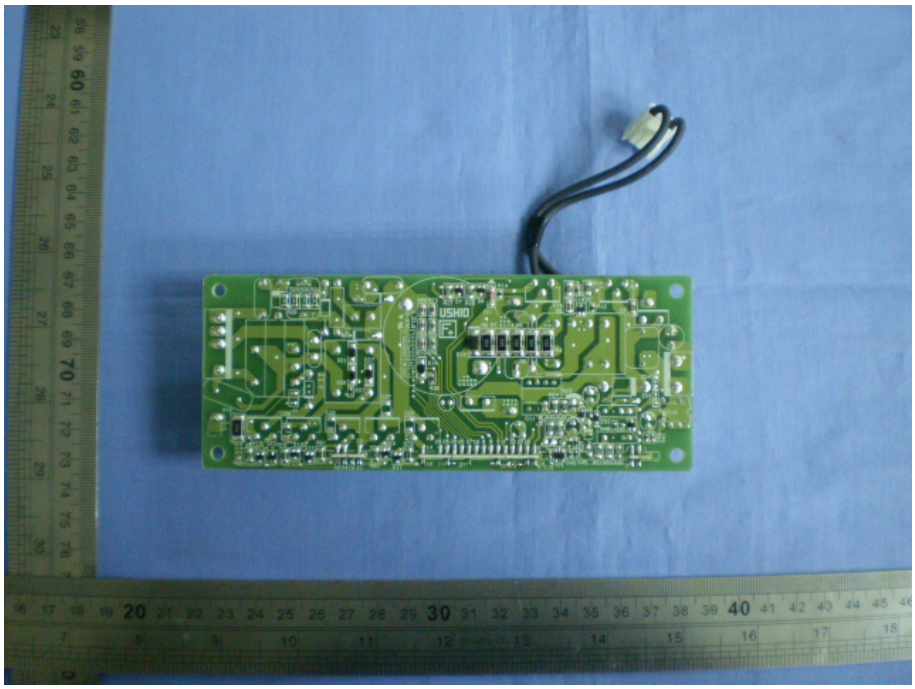
PCB 5 – face view



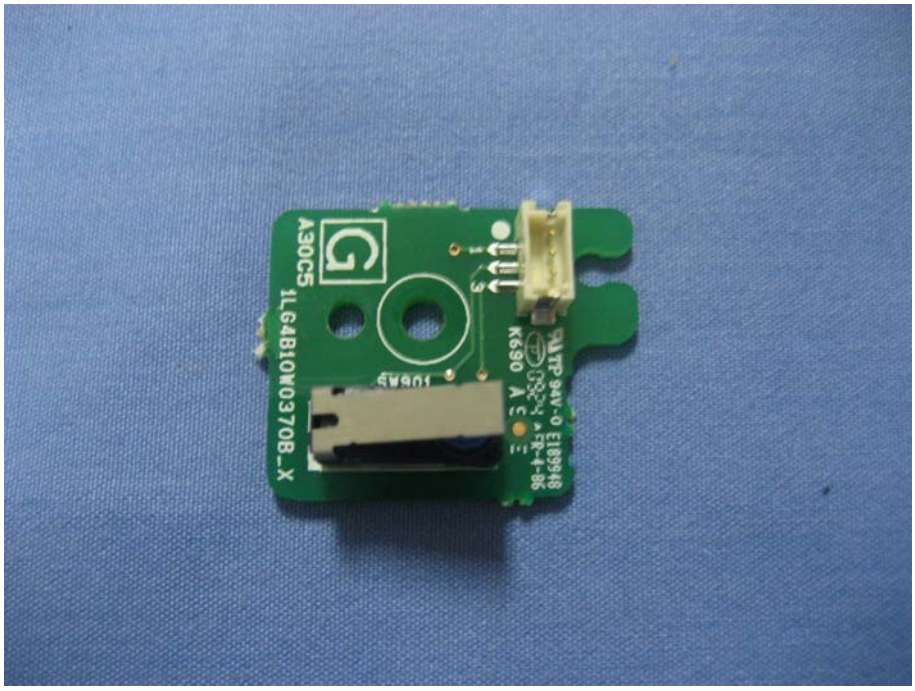
PCB 5 – bottom view



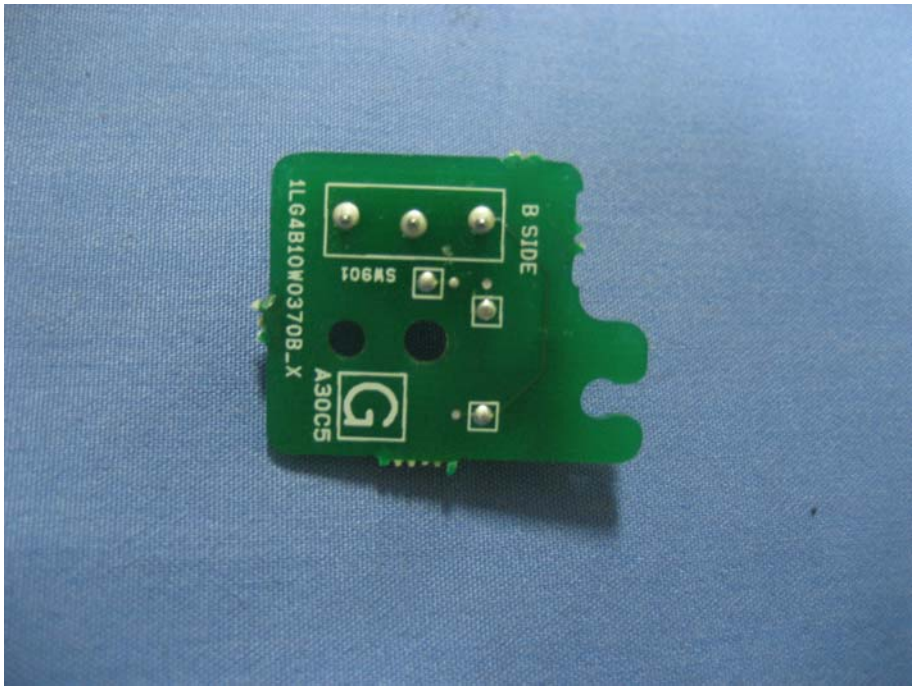
PCB 6 – face view



PCB 6 – bottom view



PCB 7 – face view



PCB 7 – bottom view

------- End of report -------