FCC TEST REPORT

for

CIRCUS WORLD DISPLAYS LTD

Soundbase

Model Number: AB40

FCC ID: SMHAB40
IC: 4593A-AB40

Prepared for : CIRCUS WORLD DISPLAYS LTD
Address : 4080 Montrose Rd, Niagara Falls, Ontario L2H 1J9, Canada

Prepared by : Keyway Testing Technology Co., Ltd.
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Tel: 86-769-8718 2258
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Report No. : 16KWE043676F
Date of Test : Apr. 14~Apr.19, 2016
Date of Report : Apr. 20, 2016

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Keyway Testing Technology Co., Ltd.

Applicant: **Address:**	CIRCUS WORLD DISPLAYS LTD 4080 Montrose Rd, Niagara Falls, Ontario L2H 1J9, Canada
Manufacturer: **Address:**	CIRCUS WORLD DISPLAYS LTD 4080 Montrose Rd, Niagara Falls, Ontario L2H 1J9, Canada
E.U.T:	Soundbase
Model Number:	AB40
Trade Name:	Circus World Displays Ltd. **Serial No.:** ------
Date of Receipt:	Apr. 13, 2016 **Date of Test:** Apr. 14~Apr. 19, 2016
Test Specification:	FCC Part 15, Subpart 15.247: 2015 ANSI C63.10:2013 KDB558074 D01 DTS Meas Guidance v03r03 RSS-247 Issue 1 May 2015 RSS-Gen Issue 4 November 2014
Test Result:	The equipment under test was found to be compliance with the requirements of the standards applied. **Issue Date: Apr. 20, 2016**

Tested by:	Reviewed by:	Approved by:
Keven Wu / Engineer	Mike Xu / Supervisor	Andy Gao / Supervisor

Other Aspects:
None.

Abbreviations: OK/P=passed fail/F=failed n.a/N=not applicable E.U.T=equipment under tested

This test report is based on a single evaluation of one sample of above mentioned products. It is not permitted to be duplicated in extracts without written approval of Keyway Testing Technology Co., Ltd.

1.TEST SUMMARY

Test Items	Test Requirement	Result
Conducted Emissions	15.207 &RSS-Gen §8.8	PASS
Radiated Emissions	15.205(a)/15.209/15.247(d) &RSS-Gen §6.13	PASS

Note: This C2PC testing,the changed is:only add adapter.

2. GENERAL PRODUCT INFORMATION

2.1. Product Function

Refer to Technical Construction Form and User Manual.

2.2. Description of Device (EUT)

Product Name:	Soundbase
Model No.:	AB40
Operation Frequency:	2402MHz-2480MHz
Channel numbers:	BT: 40 Channels
Modulation technology:	BT: GFSK
Antenna Type:	PCB
Antenna gain:	1.0dBi
Power supply:	DC 19V from adapter AC 120V/60Hz
Adapter:	Adapter 1: Product: AC/DC ADAPTER Model: BI60-190315-E1 Input: AC 100-240V; 50-60Hz 2A Output: DC 19V/3.15A Adapter 2: Product: AC/DC ADAPTER Model: DQS751-190315-3 Input: AC 100-240V~50-60Hz 2.0A Max Output: DC 19V/3.15A

Report Version:
This copy was issued base on 15KWE113214F (Issued data:2015-11-09), the adapter have been changed , so the data of test item Conducted Emission and Spurious Emission (radiated) were updated.Others data was same as original report.

2.3. Independent Operation Modes

The basic operation modes are:

2.3.1. EUT work BT TX mode, and frequency as below:

Pretest Mode	Description
Mode 1	CH00
Mode 2	CH19
Mode 3	CH39
Mode 4	BT link

Remark: According to ANSI C63.10 standards, the test results are both the “worst case” and “worst setup”

2.4. Test Supporting System

None.

2.5. Product Version

Product SW version	CWDAMP_150521 VER:02
Product HW version	CWDAMP_150521 VER:02
Radio SW version	F-3188 V2.0
Radio HW version	F-3188 V2.0
Test SW Version	B2.4
RF power setting in TEST SW	BT:4 dBm

Note: SW means software, HW means hardware.

2.6. TEST SITES

2.6.1. Test Facilities

Lab Qualifications : Certificated by Industry Canada
Registration No.: 9868A
Date of registration: December 8, 2011

Certificated by FCC, USA
Registration No.: 370994
Date of registration: February 21, 2012

Certificated by CNAS China
Registration No.: CNAS L5783
Date of registration: August 8, 2012

2.7. List of Test and Measurement Instruments

2.7.1. For conducted emission at the mains terminals test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESCI	101156	Apr. 27,15	Apr. 27,16
Artificial Mains Network	Rohde&Schwarz	ENV216	101315	Apr. 27,15	Apr. 27,16
Artificial Mains Network (AUX)	Rohde&Schwarz	ENV216	101314	Apr. 27,15	Apr. 27,16
RF Cable	FUJIKURA	3D-2W	944 Cable	Apr. 27,15	Apr. 27,16

2.7.2. For radiated emission test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESCI	101156	Apr. 27,15	Apr. 27,16
System Simulator	Agilent	E5515C	GB43130245	Apr. 27,15	Apr. 27,16
Power Splitter	Weinschel	1506A	NW425	Apr. 27,15	Apr. 27,16
Bilog Antenna	ETS-LINDGREEN	3142D	135452	Apr. 27,15	Apr. 27,16
Spectrum Analyzer	Agilent	E4411B	MY4511304	Apr. 27,15	Apr. 27,16
Spectrum Analyzer	R&S	FSV40	132.1.3008K39 -100967	Apr. 27,15	Apr. 27,16
3m Semi-anechoic Chamber	ETS-LINDGREEN	966	KW01	Apr. 27,15	Apr. 27,16
Signal Amplifier	SONOMA	310	187016	Apr. 27,15	Apr. 27,16
Signal Amplifier	Agilent	8449B	3008A00251	Apr. 27,15	Apr. 27,16
RF Cable	IMRO	IMRO-400	966 Cable 1#	N/A	N/A
MULTI-DEVICE Controller	ETS-LINDGREEN	2090	126913	N/A	N/A
Horn Antenna	DAZE	ZN30701	11003	Apr. 27,15	Apr. 27,16
Horn Antenna	SCHWARZBECK	BBHA9170	9170-068	Apr. 27,15	Apr. 27,16
Spectrum Analyzer	Agilent	8593E	3911A04271	Apr. 27,15	Apr. 27,16
Spectrum Analyzer	Agilent	E4408B	MY44211125	Apr. 27,15	Apr. 27,16
Signal Amplifier	DAZE	ZN3380C	11001	Apr. 27,15	Apr. 27,16
High Pass filter	Micro	HPM50111	324216	Apr. 27,15	Apr. 27,16
Filter	COM-MW	ZBSF-C836.5-25-X	KW032	Apr. 27,15	Apr. 27,16
Filter	COM-MW	ZBSF-C1747.5-75-X2	KW035	Apr. 27,15	Apr. 27,16
Filter	COM-MW	ZBSF-C1880-60-X2	KW037	Apr. 27,15	Apr. 27,16
DC Power Supply	LongWei	PS-305D	010964729	Apr. 27,15	Apr. 27,16
Constant temperature and humidity box	GF	GTH-800-40-1P	MAA9906-005	Apr. 27,15	Apr. 27,16
Universal radio communication tester	Rohde&Schwarz	CMU200	3215420	Apr. 27,15	Apr. 27,16
Splitter	Agilent	11636B	0025164	Apr. 27,15	Apr. 27,16

3. TEST SET-UP AND OPERATION MODES

3.1. Principle of Configuration Selection

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the Operating Instructions.

3.2. Block Diagram of Test Set-up

System Diagram of Connections between EUT and Simulators

(EUT: Soundbase)

3.3. Test Operation Mode and Test Software

None.

3.4. Special Accessories and Auxiliary Equipment

None.

3.5. Countermeasures to Achieve EMC Compliance

None.

4. EMISSION TEST RESULTS

4.1. Conducted Emission at the Mains Terminals Test

4.1.1. Limit 15.209 limits

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56	56 to 46
0.5-5	56	46
5-30	60	50

4.1.2. Test Setup

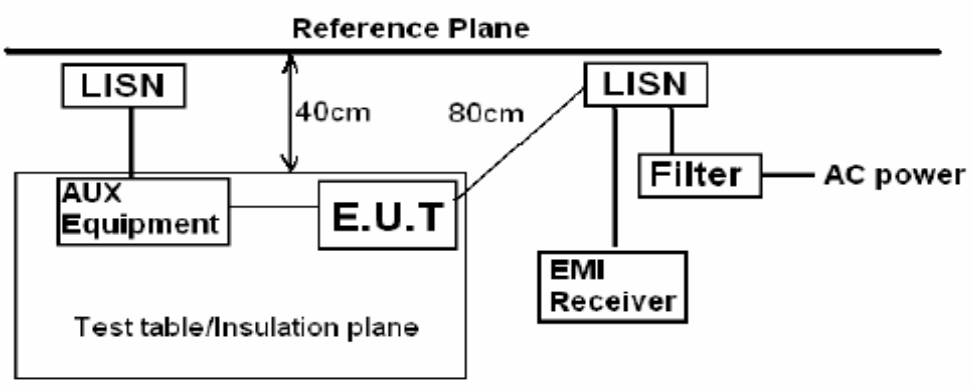
The EUT was put on a wooden table which was 0.8 m high above the ground and connected to the AC mains through the Artificial Mains Network (AMN). Where the mains cable supplied by the manufacture was longer than 0.8 m, the excess was folded back and forth parallel to the cable at the centre so as to form a bundle no longer than 0.4 m.

The EUT was kept 0.4 m from any other earthed conducting surface. Both sides of AC line were checked to find out the maximum conducted emission levels according to the test procedure during the conducted emission test.

The frequency range from 150 kHz to 30 MHz was investigated.

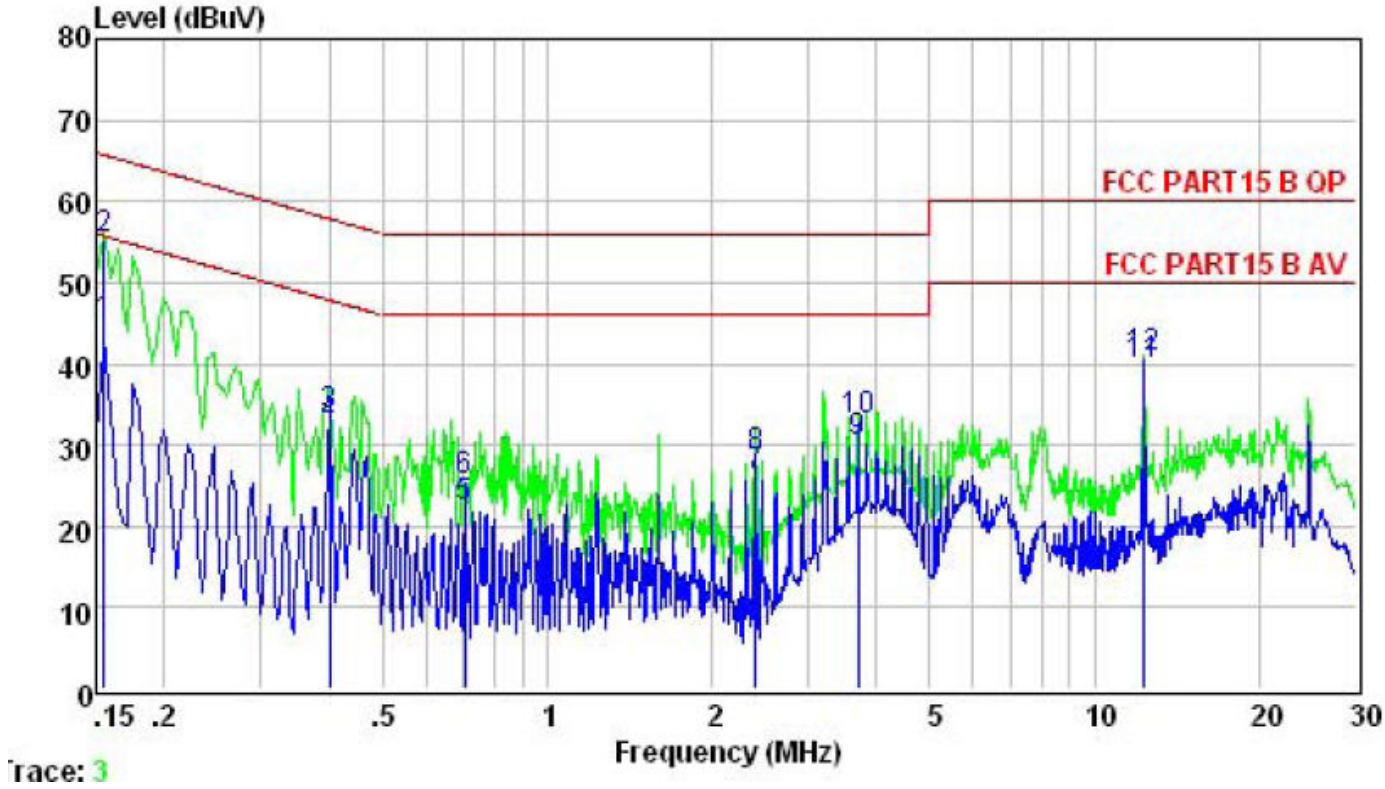
The bandwidth of the test receiver was set at 9 kHz.

Pretest for all mode, The test data of the worst case condition(s) was reported on the following page.



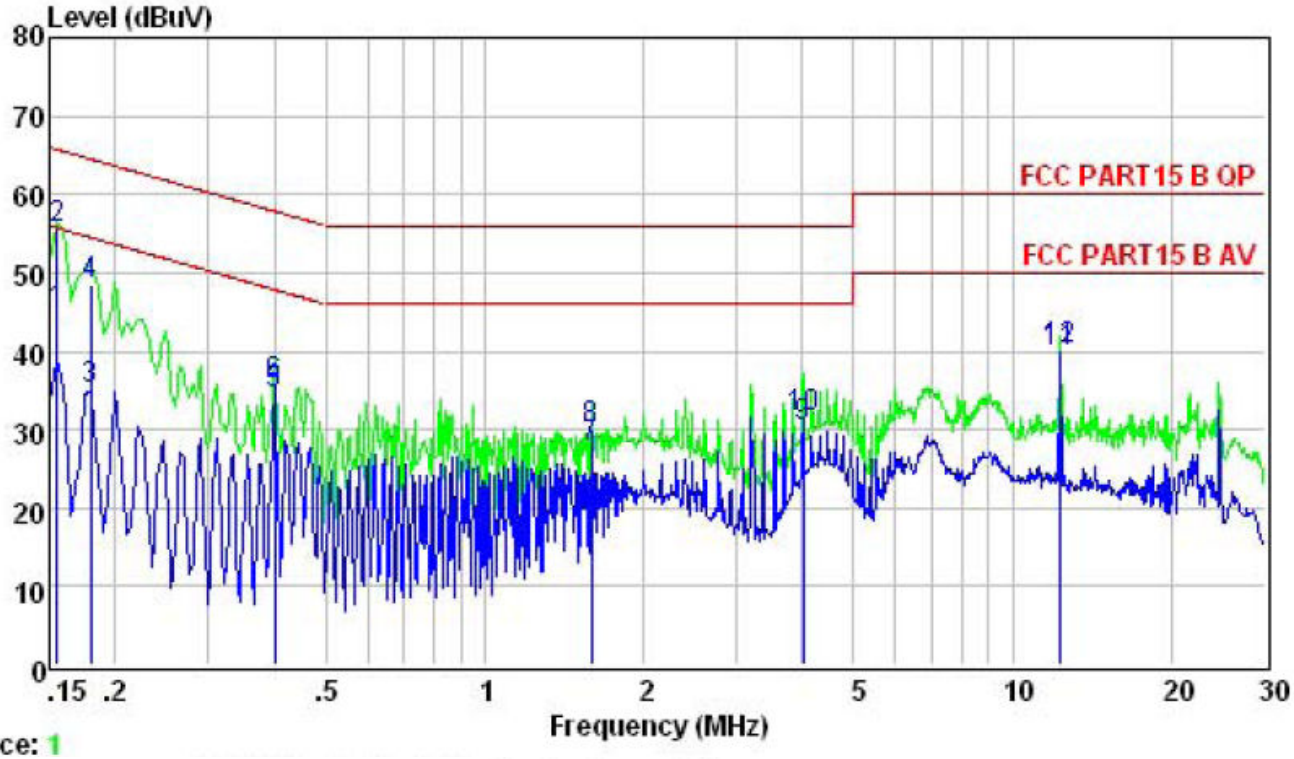
Remark:
E.U.T: Equipment Under Test
LISN: Line Impedence Stabilization Network
Test table height=0.8m

EUT：	Soundbase	Model Name ：	AB40
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	L
Test Voltage ：	DC 19.0V form Adapter 1 AC 120V/60Hz	Test Mode：	Mode 4



	Freq	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	
1	0.155	44.80	55.74	-10.94	Average
2	0.155	55.20	65.74	-10.54	QP
3	0.400	33.54	47.86	-14.32	Average
4	0.400	32.56	57.86	-25.30	QP
5	0.708	22.19	46.00	-23.81	Average
6	0.708	25.64	56.00	-30.36	QP
7	2.396	26.16	46.00	-19.84	Average
8	2.396	28.69	56.00	-27.31	QP
9	3.700	30.34	46.00	-15.66	Average
10	3.700	32.89	56.00	-23.11	QP
11	12.318	39.85	50.00	-10.15	Average
12	12.318	40.79	60.00	-19.21	QP

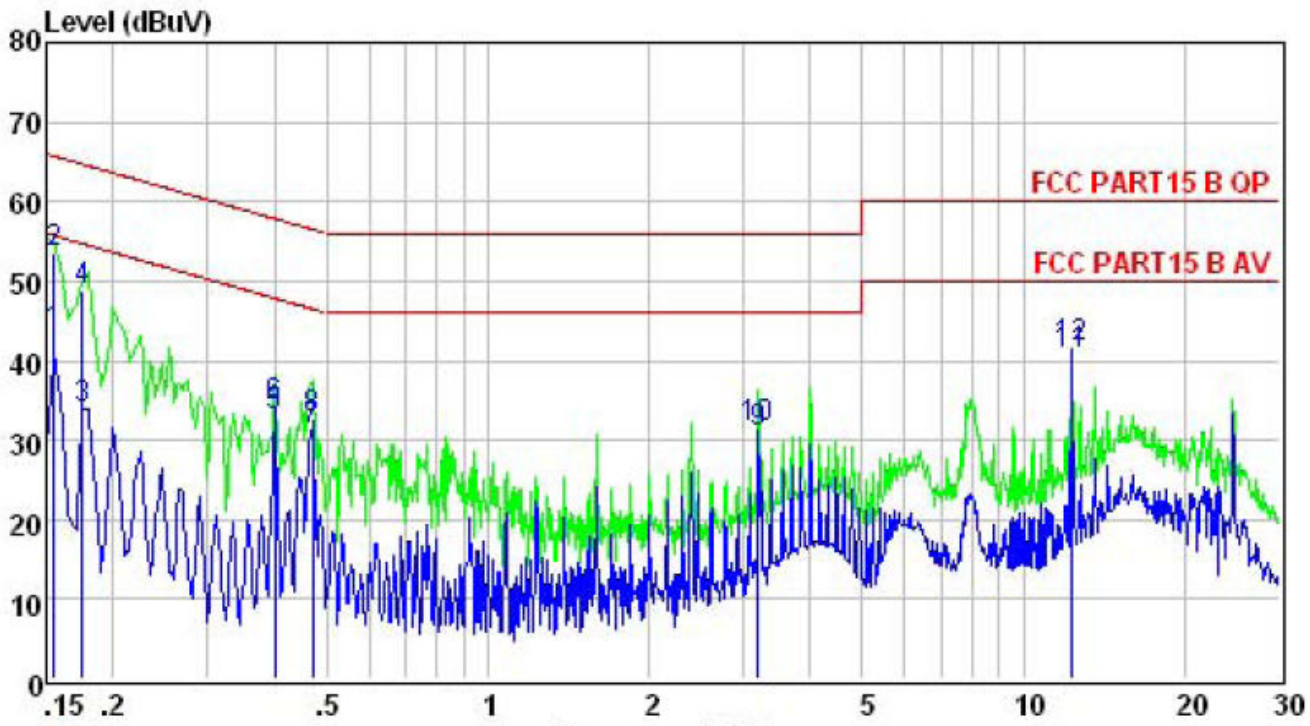
EUT：	Soundbase	Model Name ：	AB40
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	N
Test Voltage ：	DC 19.0V form Adapter 1 AC 120V/60Hz	Test Mode：	Mode 4



race: 1

	Freq	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	
1	0.155	44.80	55.74	-10.94	Average
2	0.155	55.70	65.74	-10.04	QP
3	0.180	35.03	54.50	-19.47	Average
4	0.180	48.56	64.50	-15.94	QP
5	0.400	34.57	47.86	-13.29	Average
6	0.400	35.69	57.86	-22.17	QP
7	1.593	27.67	46.00	-18.33	Average
8	1.593	30.12	56.00	-25.88	QP
9	4.006	30.36	46.00	-15.64	Average
10	4.006	31.59	56.00	-24.41	QP
11	12.318	39.86	50.00	-10.14	Average
12	12.318	40.12	60.00	-19.88	QP

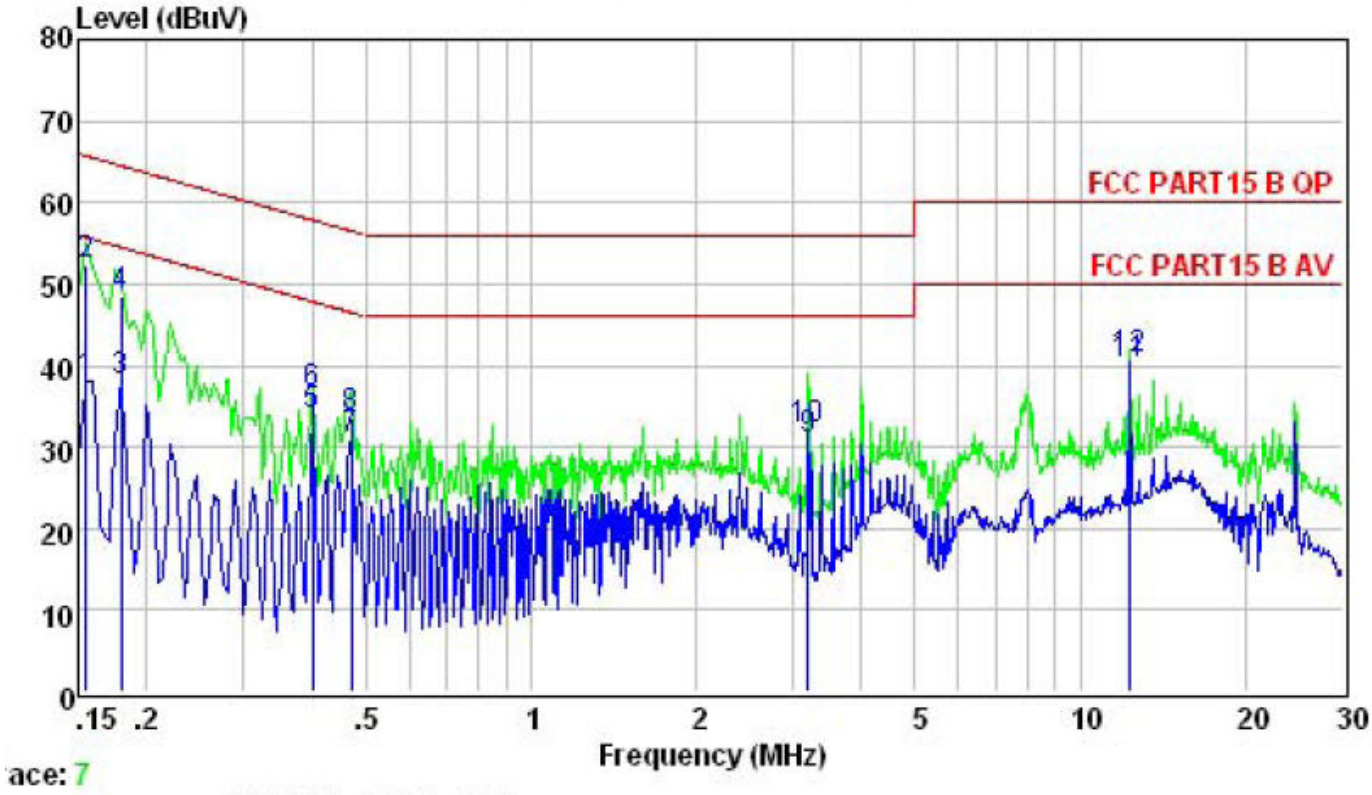
EUT：	Soundbase	Model Name ：	AB40
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	L
Test Voltage ：	DC 19.0V form Adapter 1 AC 240V/60Hz	Test Mode：	Mode 4



Trace: 5

	Freq	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	
1	0.155	43.30	55.74	-12.44	Average
2	0.155	53.60	65.74	-12.14	QP
3	0.175	34.03	54.72	-20.69	Average
4	0.175	48.69	64.72	-16.03	QP
5	0.400	32.97	47.86	-14.89	Average
6	0.400	34.21	57.86	-23.65	QP
7	0.471	31.18	46.49	-15.31	Average
8	0.471	32.58	56.49	-23.91	QP
9	3.190	30.93	46.00	-15.07	Average
10	3.190	31.59	56.00	-24.41	QP
11	12.318	40.61	50.00	-9.39	Average
12	12.318	41.52	60.00	-18.48	QP

EUT：	Soundbase	Model Name ：	AB40
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	N
Test Voltage ：	DC 19.0V form Adapter 1 AC 240V/60Hz	Test Mode：	Mode 4



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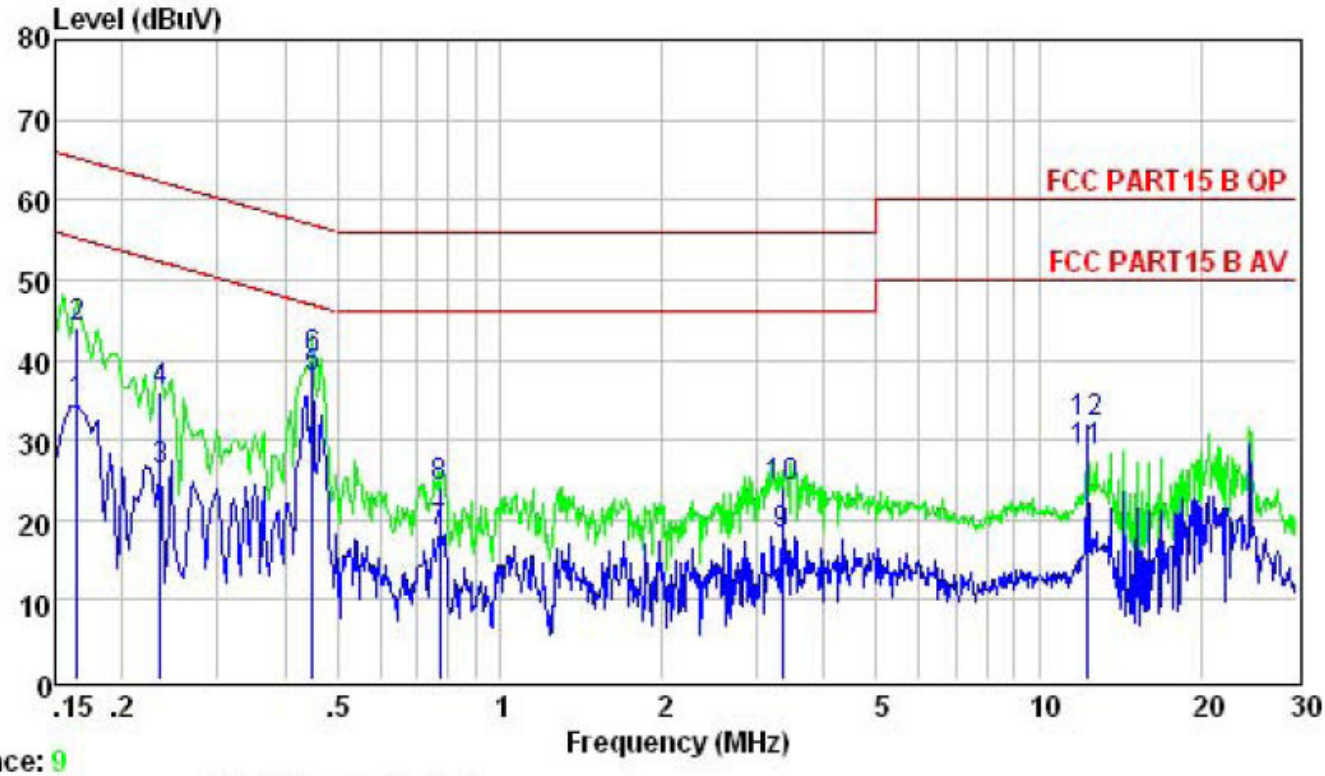
	Freq	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	
1	0.155	38.00	55.74	-17.74	Average
2	0.155	52.36	65.74	-13.38	QP
3	0.180	37.97	54.50	-16.53	Average
4	0.180	48.56	64.50	-15.94	QP
5	0.400	33.80	47.86	-14.06	Average
6	0.400	36.60	57.86	-21.26	QP
7	0.471	30.84	46.49	-15.65	Average
8	0.471	33.56	56.49	-22.93	QP
9	3.190	30.78	46.00	-15.22	Average
10	3.190	32.15	56.00	-23.85	QP
11	12.318	40.10	50.00	-9.90	Average
12	12.318	40.89	60.00	-19.11	QP

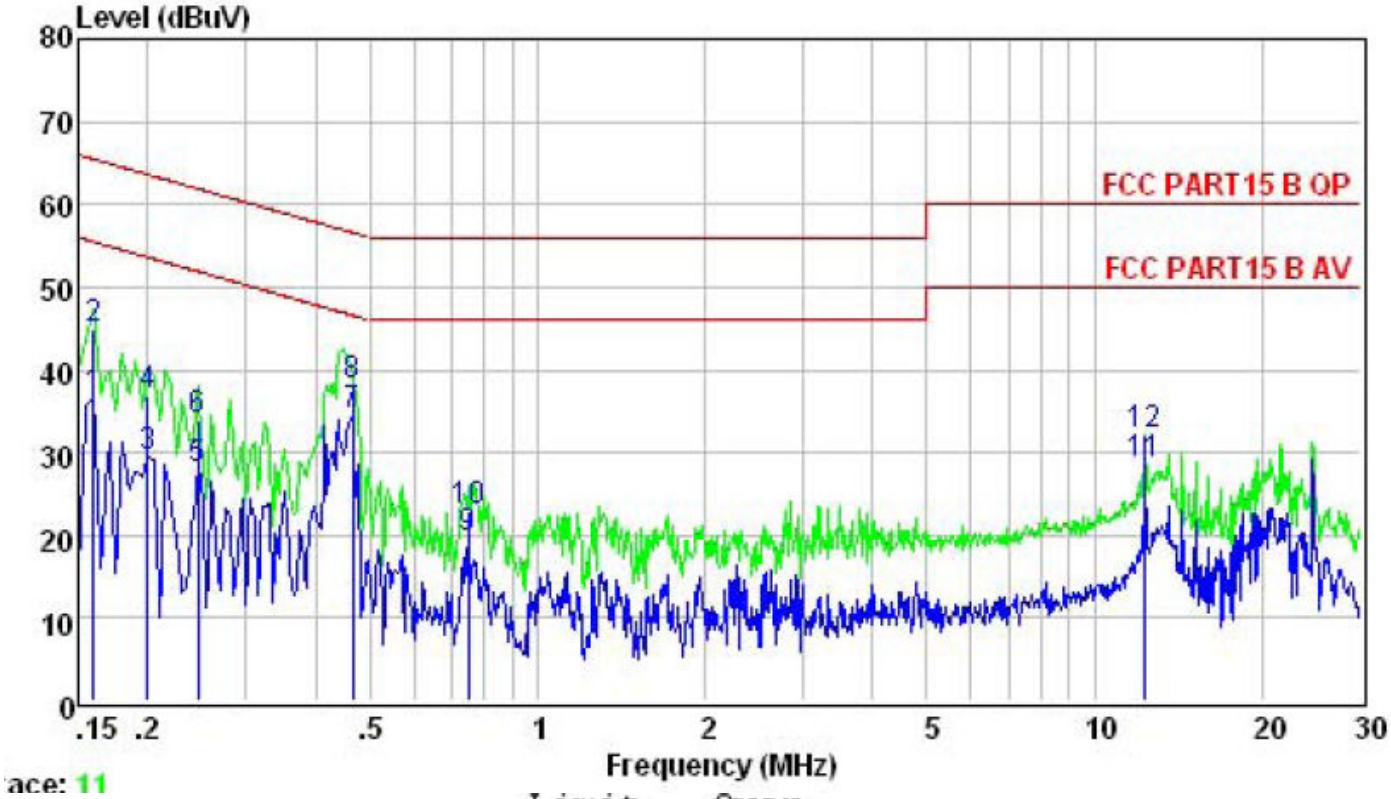
EUT：	Soundbase	Model Name ：	AB40
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	L
Test Voltage ：	DC 19.0V form Adapter 2 AC 120V/60Hz	Test Mode：	Mode 4



ace: 9

	Freq	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	
1	0.165	34.38	55.21	-20.83	Average
2	0.165	44.00	65.21	-21.21	QP
3	0.235	26.16	52.26	-26.10	Average
4	0.235	36.00	62.26	-26.26	QP
5	0.449	37.78	46.89	-9.11	Average
6	0.449	40.00	56.89	-16.89	QP
7	0.775	18.34	46.00	-27.66	Average
8	0.775	24.00	56.00	-32.00	QP
9	3.346	18.26	46.00	-27.74	Average
10	3.346	24.00	56.00	-32.00	QP
11	12.318	28.68	50.00	-21.32	Average
12	12.318	32.20	60.00	-27.80	QP

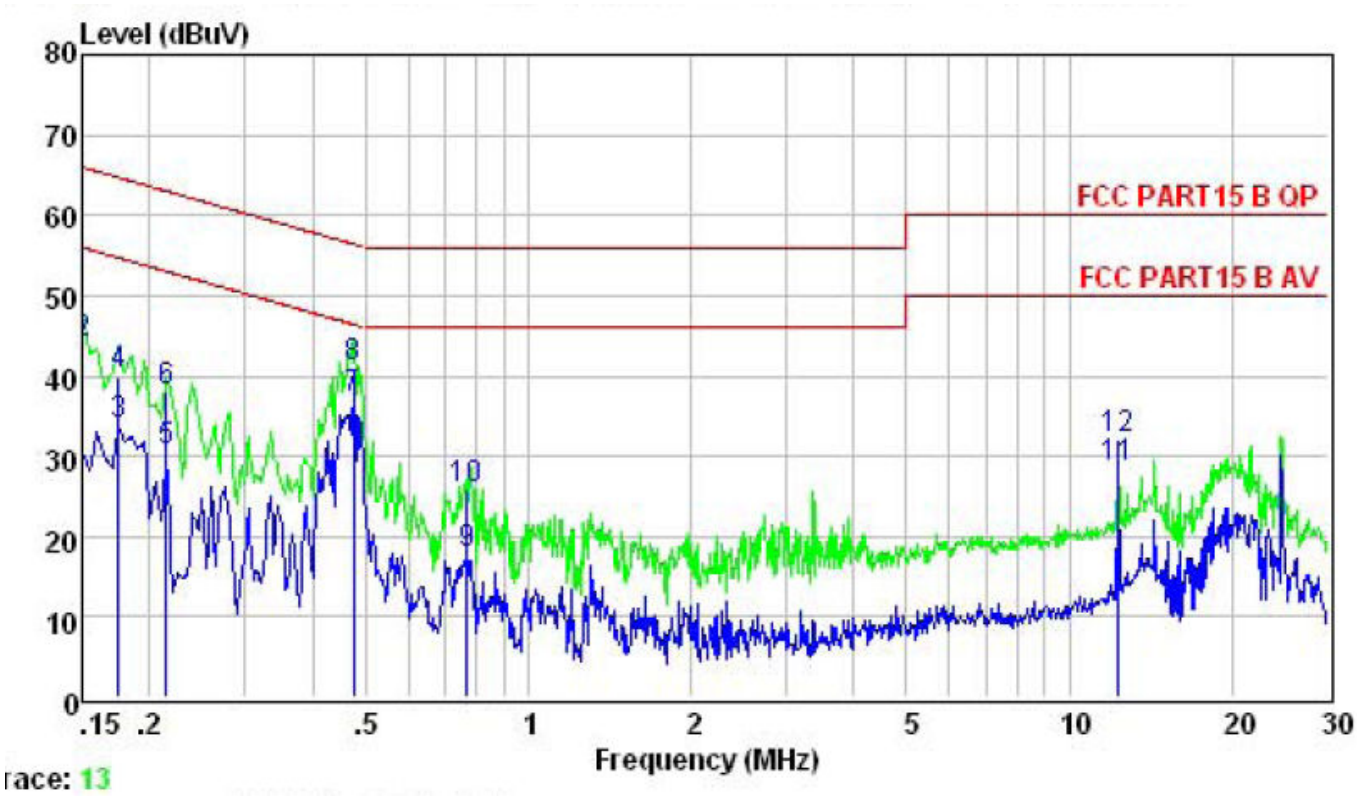
EUT：	Soundbase	Model Name ：	AB40
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	N
Test Voltage ：	DC 19.0V form Adapter 2 AC 120V/60Hz	Test Mode：	Mode 4



ace: 11

	Freq	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	
1	0.160	36.53	55.47	-18.94	Average
2	0.160	45.00	65.47	-20.47	QP
3	0.200	29.51	53.62	-24.11	Average
4	0.200	37.00	63.62	-26.62	QP
5	0.246	27.88	51.91	-24.03	Average
6	0.246	34.00	61.91	-27.91	QP
7	0.466	34.39	46.58	-12.19	Average
8	0.466	38.00	56.58	-18.58	QP
9	0.751	19.49	46.00	-26.51	Average
10	0.751	23.00	56.00	-33.00	QP
11	12.318	28.49	50.00	-21.51	Average
12	12.318	32.00	60.00	-28.00	QP

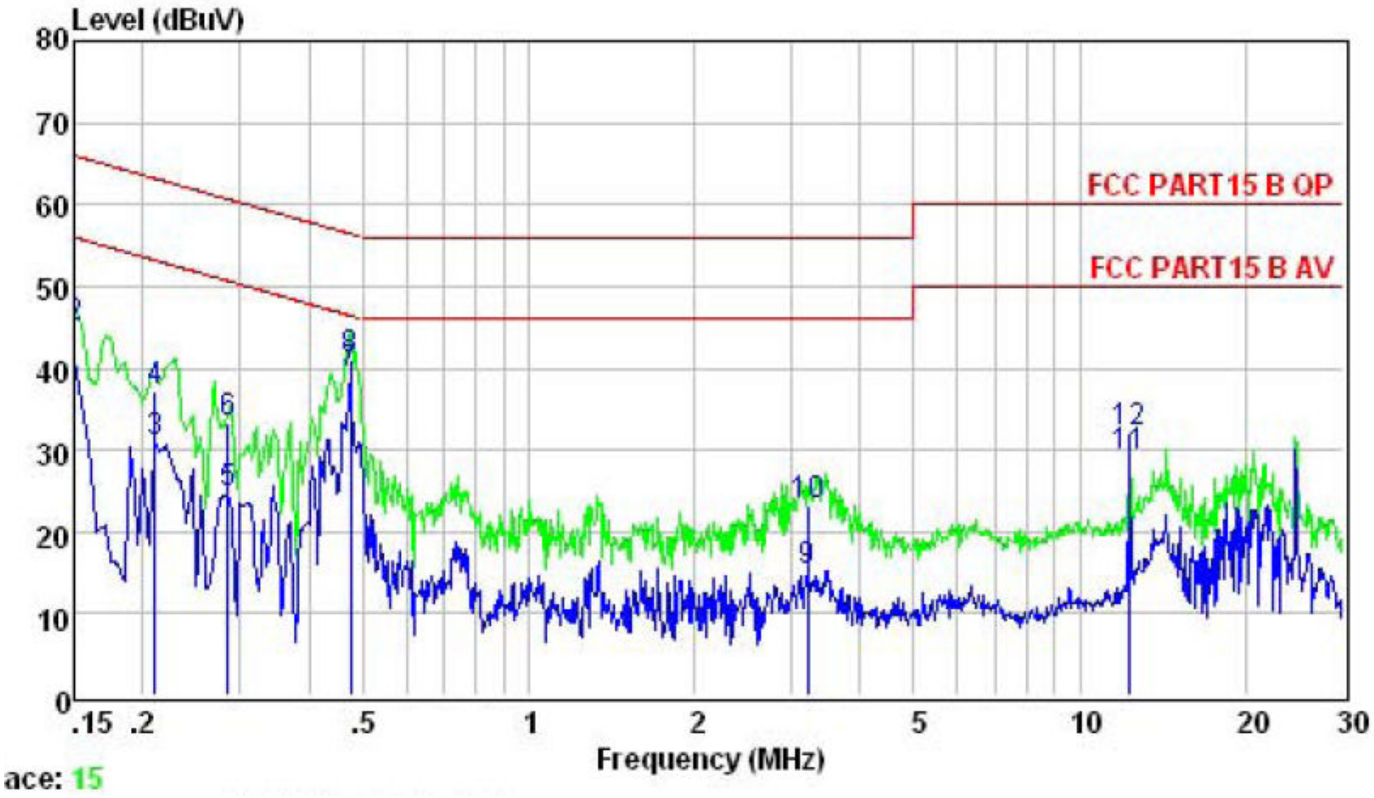
EUT：	Soundbase	Model Name ：	AB40
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	L
Test Voltage ：	DC 19.0V form Adapter 2 AC 240V/60Hz	Test Mode：	Mode 4



race: 13

	Freq	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	
1	0.150	30.30	56.00	-25.70	Average
2	0.150	44.00	66.00	-22.00	QP
3	0.175	33.85	54.72	-20.87	Average
4	0.175	40.00	64.72	-24.72	QP
5	0.215	30.53	53.01	-22.48	Average
6	0.215	38.00	63.01	-25.01	QP
7	0.476	37.23	46.41	-9.18	Average
8	0.476	41.00	56.41	-15.41	QP
9	0.771	17.93	46.00	-28.07	Average
10	0.771	26.00	56.00	-30.00	QP
11	12.318	28.63	50.00	-21.37	Average
12	12.318	32.00	60.00	-28.00	QP

EUT：	Soundbase	Model Name ：	AB40
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	N
Test Voltage ：	DC 19.0V form Adapter 2 AC 240V/60Hz	Test Mode：	Mode 4



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	Freq	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	
1	0.150	40.62	56.00	-15.38	Average
2	0.150	45.00	66.00	-21.00	QP
3	0.211	31.07	53.18	-22.11	Average
4	0.211	37.30	63.18	-25.88	QP
5	0.285	24.66	50.68	-26.02	Average
6	0.285	33.30	60.68	-27.38	QP
7	0.476	39.24	46.41	-7.17	Average
8	0.476	41.00	56.41	-15.41	QP
9	3.207	15.14	46.00	-30.86	Average
10	3.207	23.30	56.00	-32.70	QP
11	12.318	29.20	50.00	-20.80	Average
12	12.318	32.20	60.00	-27.80	QP

4.2. Radiated Emission Test

4.2.1. Limit 15.209 limits

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		μV/m	dB(μV)/m
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	74.0 dB(μV)/m (Peak) 54.0 dB(μV)/m (Average)	

4.2.2. Restricted bands of operation

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
[1]0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	([2])

All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

4.2.3. Test setup

The EUT was placed on a turn table which was 0.8 m(above 1GHz, the high was 1.5m) above the ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was set 3 m away from the receiving antenna which was mounted on an antenna tower. The measuring antenna moved up and down to find out the maximum emission level. It moved from 1 m to 4 m for both horizontal and vertical polarizations.

The EUT was tested in the Chamber Site. It was pre-scanned with a Peak detector from the spectrum, and all the final readings from the test receiver were measured with the Quasi-Peak detector.

The bandwidth of the EMI test receiver is set at 120kHz for frequency range from 30MHz to 1000 MHz.

The bandwidth of the Spectrum's VBW is set at 3MHz and RBW is set at 1MHz for peak emissions measurement above 1GHz and 1MHz RBW, 10Hz VBW for average emissions measure above 1GHz, Both PK and AV measure, PK detector is used.

The frequency range from 30MHz to 10^{th} harmonic (25GHz) are checked. and no any emissions were found from 18GHz to 25 GHz, So the radiated emissions from 18GHz to 25GHz were not record.

Notes: 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading-Preamp Factor.

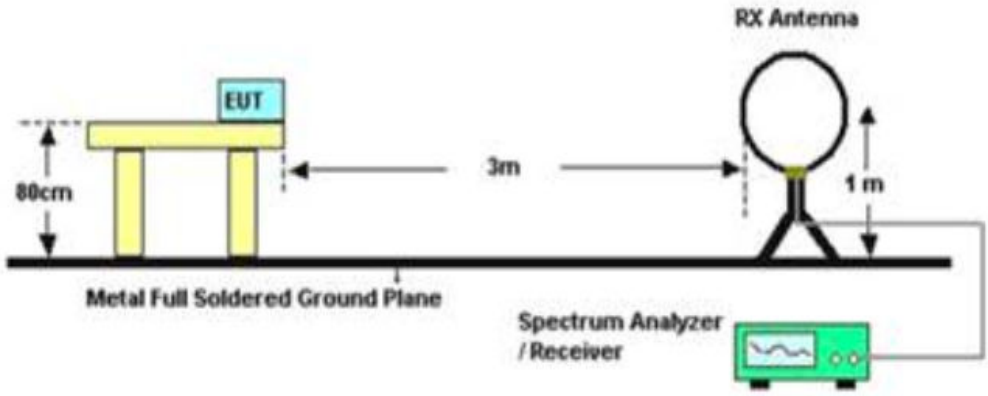
2. Measurement Uncertainty: ±3.2 dB at a level of confidence of 95%.

3. For emissions above 1GHz, if peak level comply with average limit, then the average level is deemed to comply with average limit.

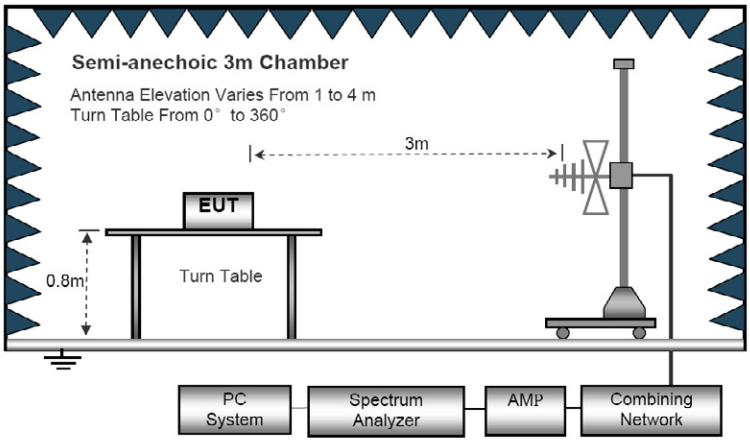
4. For emissions below 1GHz, pretest for all mode, The test data of the worst case condition(s) was reported on the following pages.

5. For Both PK and AV value above 1GHz, PK detector is used.

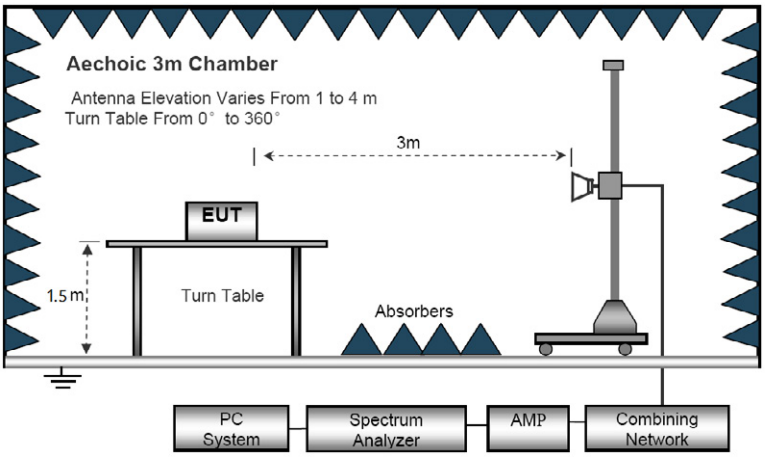
Radiated Emission Test-Up Frequency Below 30MHz



30MHz- 1GHz



Above 1GHz



Below 30MHz

Freq.	Reading	Limit	Margin	State
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F
--	--	--	--	P
--	--	--	--	P

Note:

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

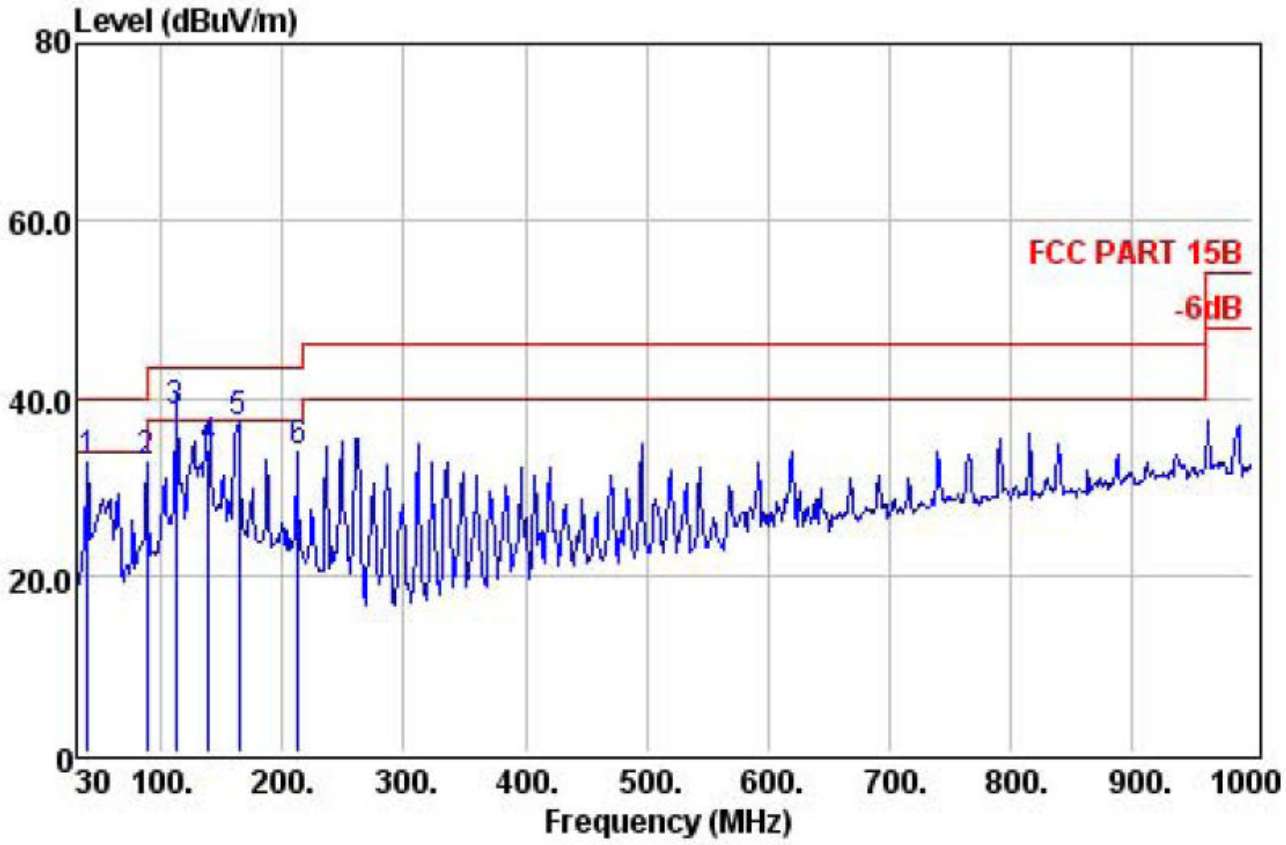
Distance extrapolation factor =40 log (specific distance/test distance)(dB);

Limit line = specific limits(dBuv) + distance extrapolation factor.

30MHz- 1GHz

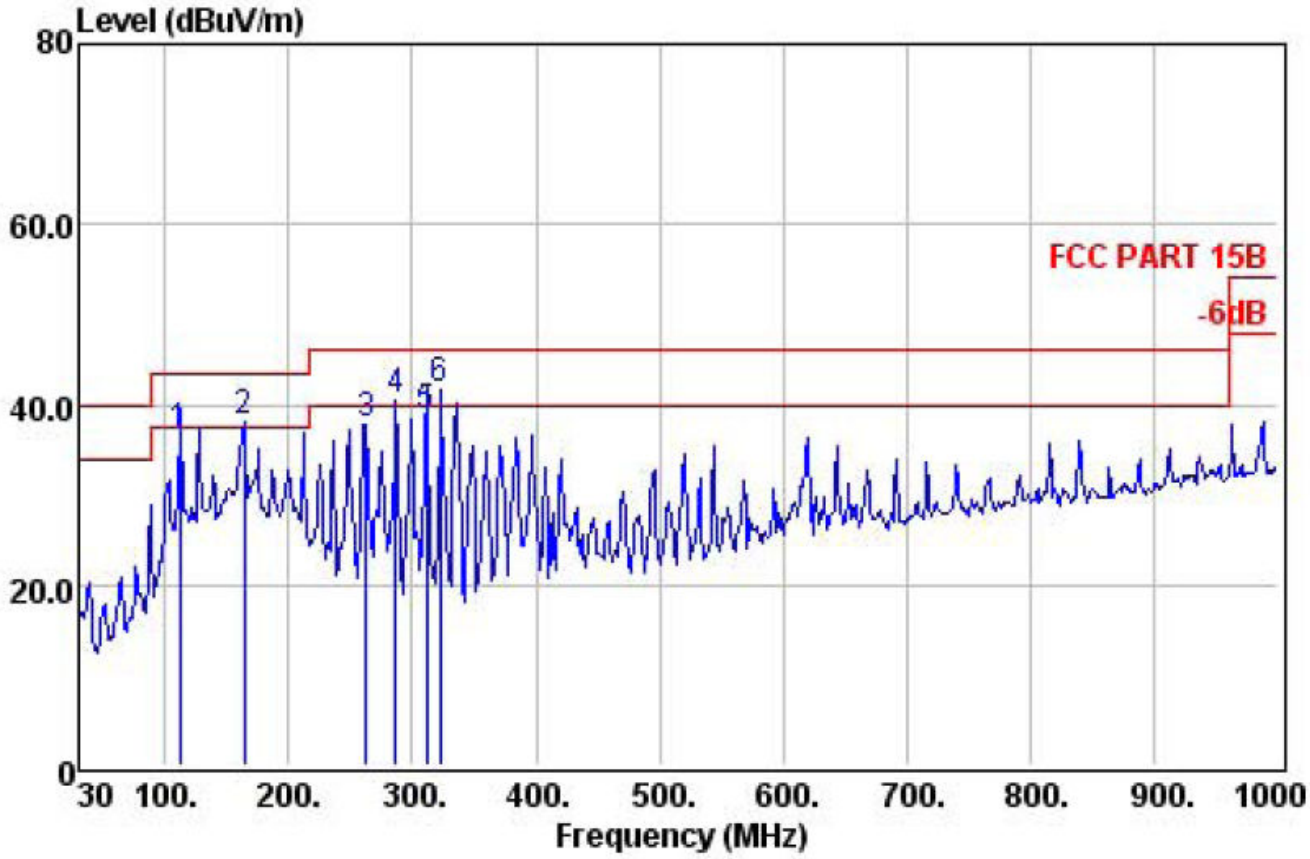
EUT：	Soundbase	Model Name ：	AB40
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010hPa	Test Mode：	TX
Test Voltage ：	DC 19V from adapter AC 120V/60Hz- adapter 1		

Vertical



		Freq	Preamp Factor	Read Level	Cable Loss	Level	Limit Line	Over Limit	Remark
		MHz	dB	dBuV	dB	dBuV/m	dBuV/m	dB	
1		39.70	31.37	50.51	0.56	32.78	40.00	-7.22	QP
2		88.20	31.35	54.16	0.94	32.65	43.50	-10.85	QP
3	!	112.45	31.29	59.60	1.03	38.44	43.50	-5.06	QP
4		138.64	31.21	55.85	1.22	34.25	43.50	-9.25	QP
5		163.86	31.21	57.40	1.30	37.04	43.50	-6.46	QP
6		212.36	31.06	51.70	1.53	33.76	43.50	-9.74	QP

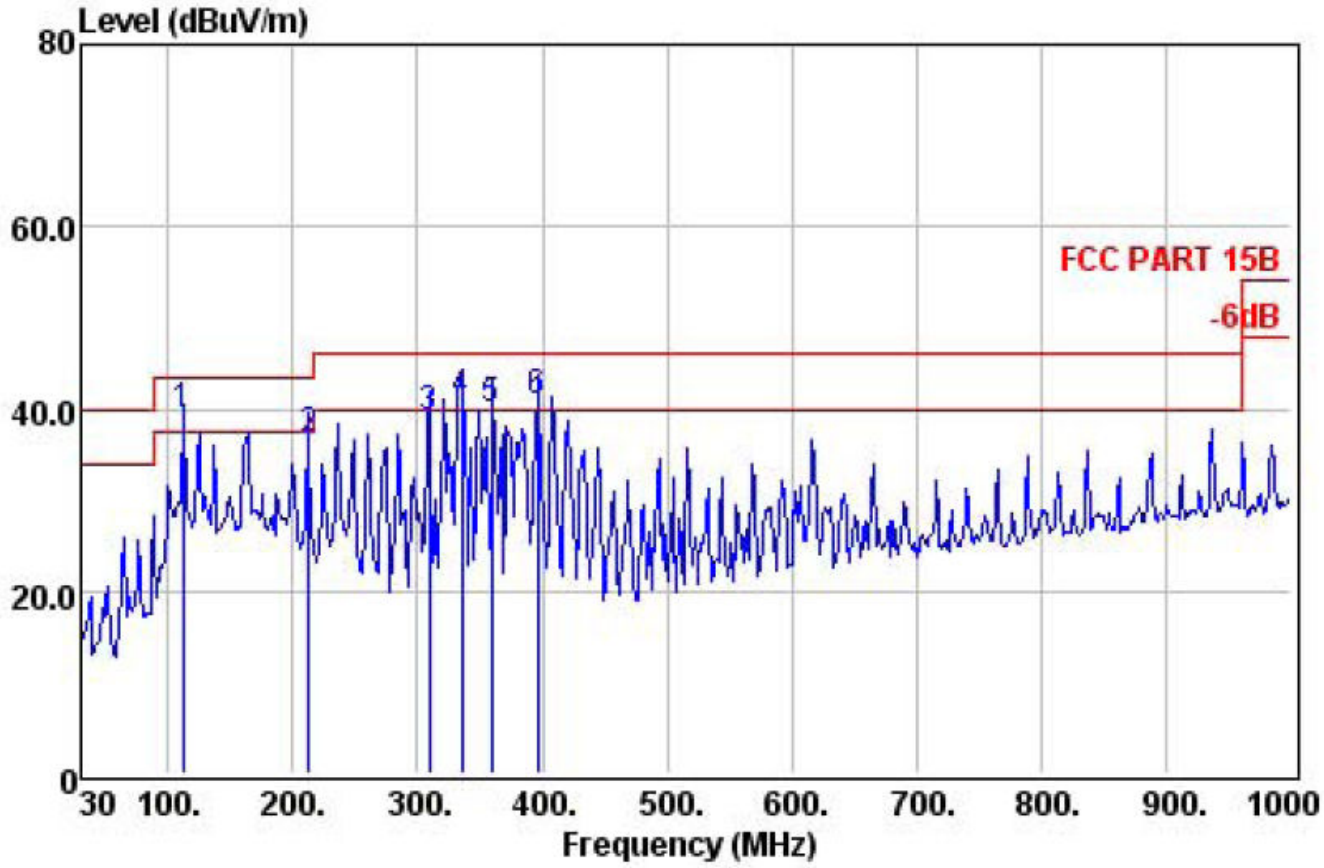
Horizontal



		Freq	Preamp Factor	Read Level	Cable Loss	Level	Limit Line	Over Limit	Remark
		MHz	dB	dBuV	dB	dBuV/m	dBuV/m	dB	
1		112.45	31.29	57.71	1.03	36.55	43.50	-6.95	QP
2	!	163.86	31.21	58.33	1.30	37.97	43.50	-5.53	QP
3		262.80	30.96	53.95	1.78	37.72	46.00	-8.28	QP
4	!	287.05	30.94	56.07	1.87	40.39	46.00	-5.61	QP
5		311.30	30.91	53.64	1.94	38.79	46.00	-7.21	QP
6	!	322.94	30.83	56.12	2.02	41.75	46.00	-4.25	QP

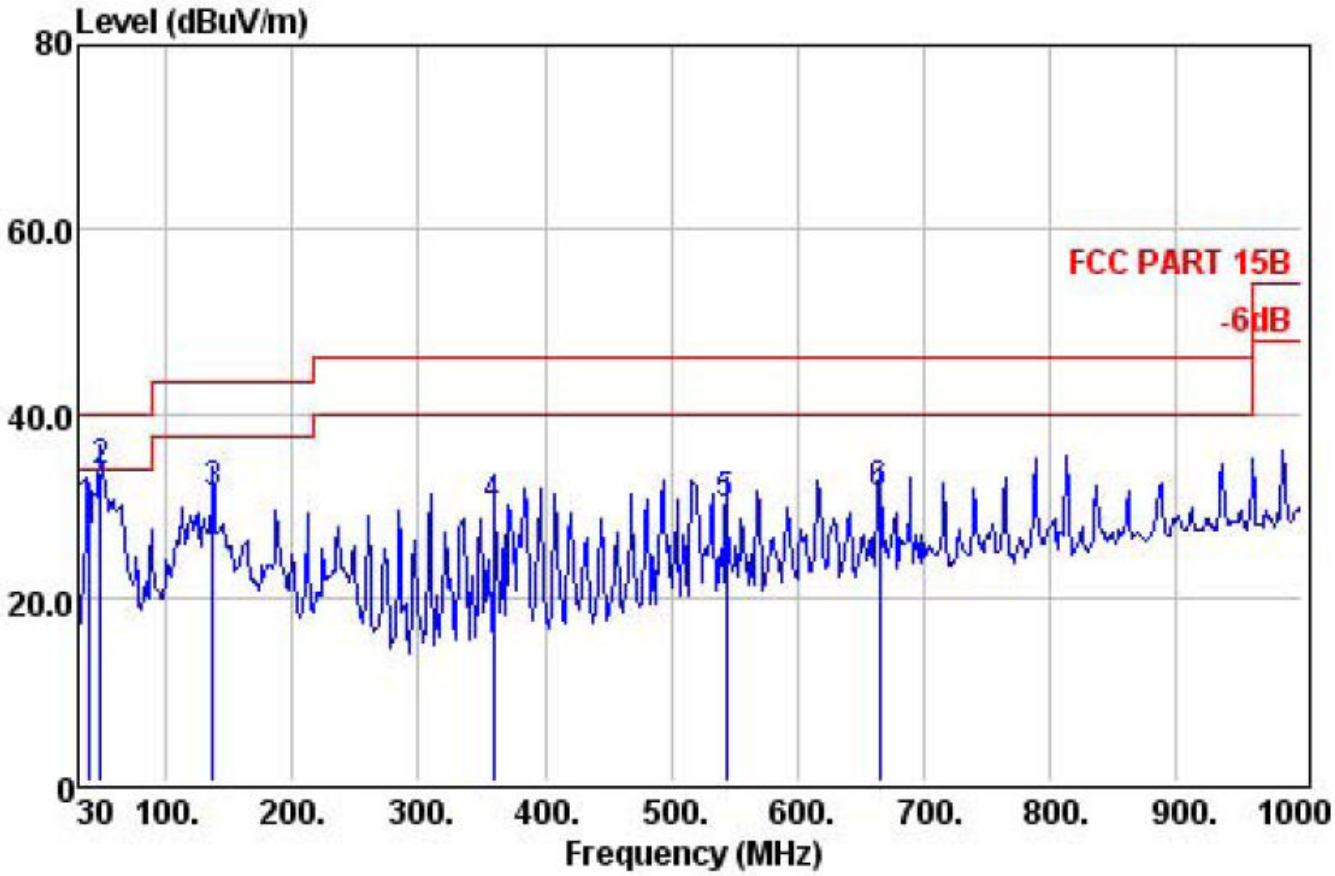
EUT：	Soundbase	Model Name ：	AB40
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010hPa	Test Mode：	TX
Test Voltage ：	DC 19V from adapter AC 120V/60Hz- adapter 2		

Horizontal



	Freq	Preamp Factor	Read Level	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dB	dBuV/m	dBuV/m	dB	
1 !	112.45	31.29	60.30	1.03	39.14	43.50	-4.36	QP
2	212.36	31.06	54.61	1.53	36.67	43.50	-6.83	QP
3	309.36	30.91	53.89	1.94	38.98	46.00	-7.02	QP
4 !	335.55	30.74	54.58	2.10	40.86	46.00	-5.14	QP
5	359.80	30.62	52.32	2.18	39.99	46.00	-6.01	QP
6 !	396.66	30.63	52.73	2.37	40.75	46.00	-5.25	QP

Vertical



	Freq	Preamp Factor	Read Level	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dB	dBuV/m	dBuV/m	dB	
1	37.76	31.36	45.97	0.56	29.39	40.00	-10.61	QP
2	47.46	31.39	54.41	0.75	33.61	40.00	-6.39	QP
3	136.70	31.20	53.03	1.12	31.32	43.50	-12.18	QP
4	359.80	30.62	42.05	2.18	29.72	46.00	-16.28	QP
5	544.10	30.84	38.44	3.03	30.06	46.00	-15.94	QP
6	665.35	30.80	36.59	3.69	31.25	46.00	-14.75	QP

Above 1GHz

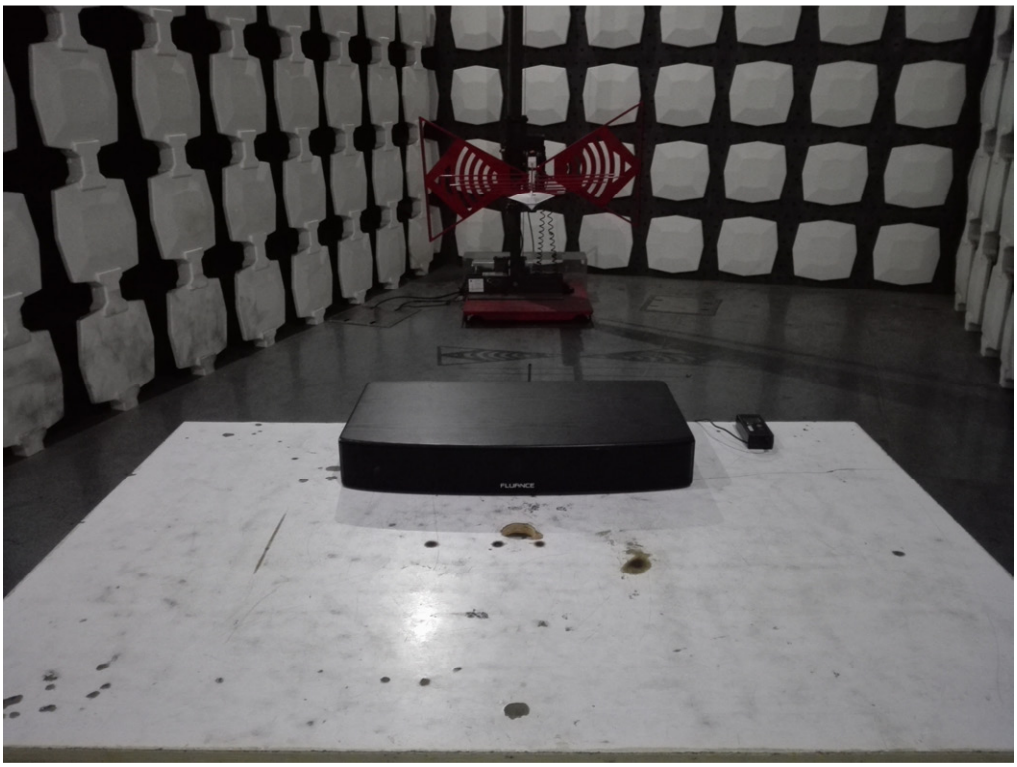
EUT：	Soundbase	Model Name ：	AB40
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010hPa	Test Mode：	TX
Test Voltage ：	DC 19V from adapter AC 120V/60Hz		

Frequency (MHz)	Reading (dB μ V)	Factor (dB)	Corrected Amplitude (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Polar (H/V)
low channel(2402MHz)							
4804.000	45.14	10.12	55.26	74	-18.74	Pk	Vertical
4804.000	34.56	10.12	44.68	54	-9.32	AV	Vertical
7206.000	43.49	12.05	55.54	74	-18.46	Pk	Vertical
7206.000	32.47	12.05	44.52	54	-9.48	AV	Vertical
4804.000	46.26	10.12	56.38	74	-17.62	Pk	Horizontal
4804.000	34.41	10.12	44.53	54	-9.47	AV	Horizontal
7206.000	46.52	12.05	58.57	74	-15.43	Pk	Horizontal
7206.000	33.58	12.05	45.63	54	-8.37	AV	Horizontal
Middle channel(2440MHz)							
4880.000	52.13	10.42	62.55	74	-11.45	Pk	Vertical
4880.000	36.34	10.42	46.76	54	-7.24	AV	Vertical
7320.000	45.32	12.81	58.13	74	-15.87	Pk	Vertical
7320.000	33.11	12.81	45.92	54	-8.08	AV	Vertical
4880.000	54.21	10.42	64.63	74	-9.37	Pk	Horizontal
4880.000	35.62	10.42	46.04	54	-7.96	AV	Horizontal
7320.000	48.22	12.81	61.03	74	-12.97	Pk	Horizontal
7320.000	34.16	12.81	46.97	54	-7.03	AV	Horizontal
High channel(2480MHz)							
4960.000	46.78	10.48	57.26	74	-16.74	Pk	Vertical
4960.000	35.45	10.48	45.93	54	-8.07	AV	Vertical
7440.000	46.54	12.87	59.41	74	-14.59	Pk	Vertical
7440.000	35.37	12.87	48.24	54	-5.76	AV	Vertical
4960.000	45.25	10.48	55.73	74	-18.27	Pk	Horizontal
4960.000	36.22	10.48	46.7	54	-7.3	AV	Horizontal
7440.000	43.16	12.87	56.03	74	-17.97	Pk	Horizontal
7440.000	35.45	12.87	48.32	54	-5.68	AV	Horizontal

5. PHOTOGRAPHS OF TEST SET-UP

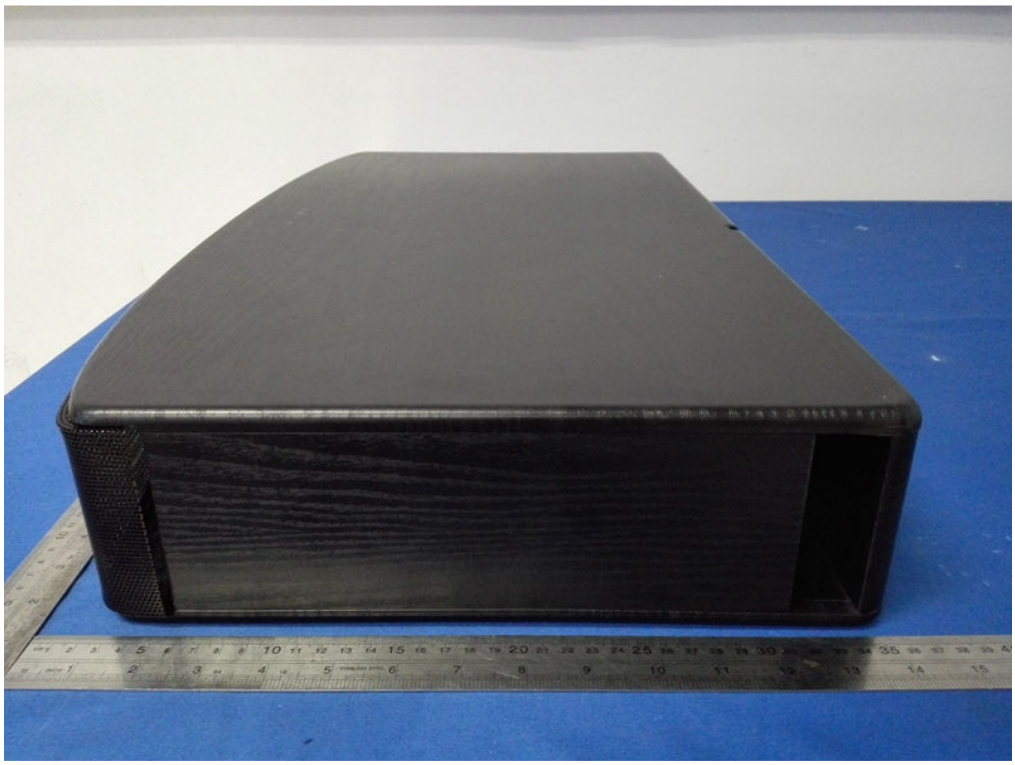
Conducted Emission

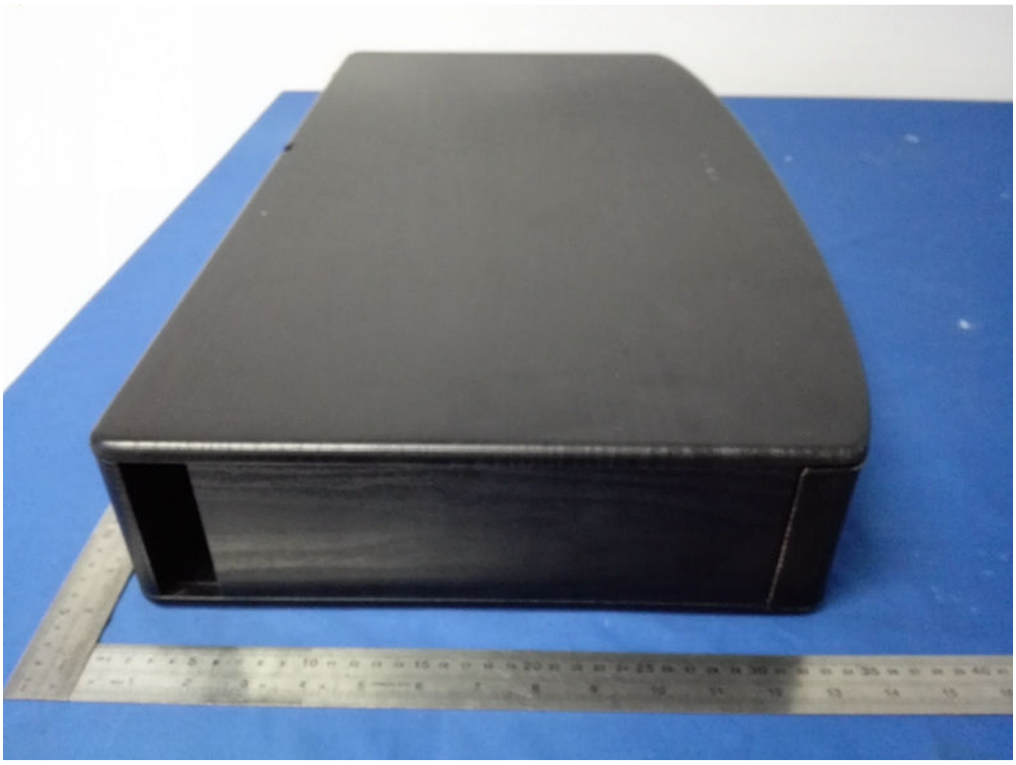
Radiated Emission Test

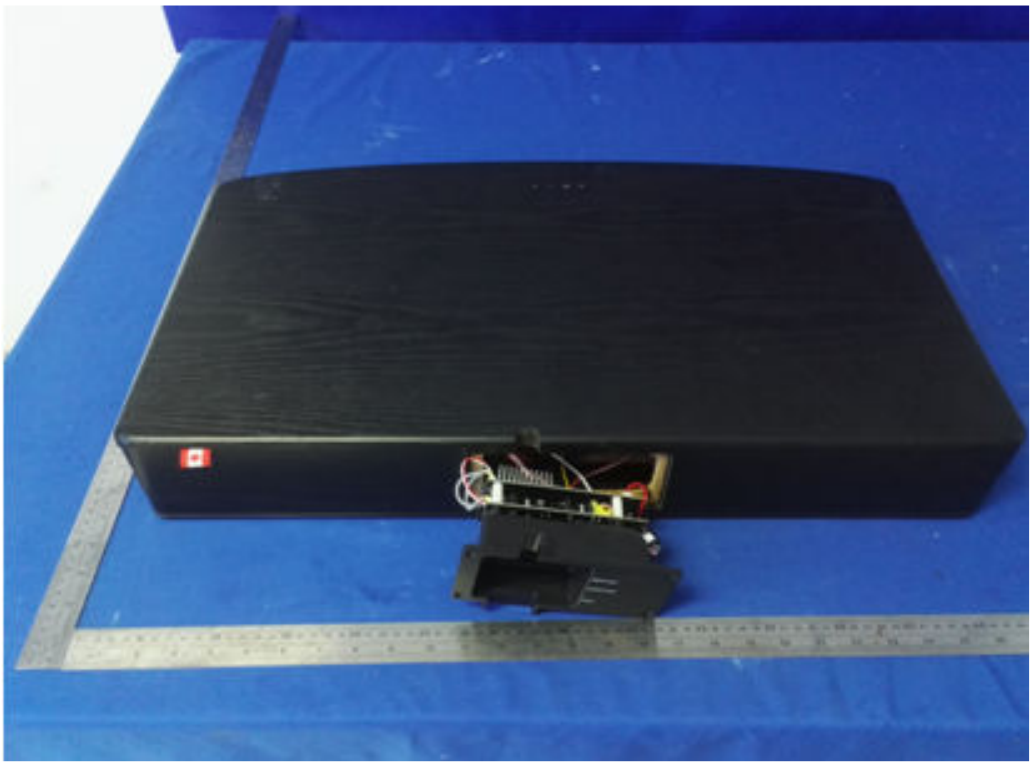


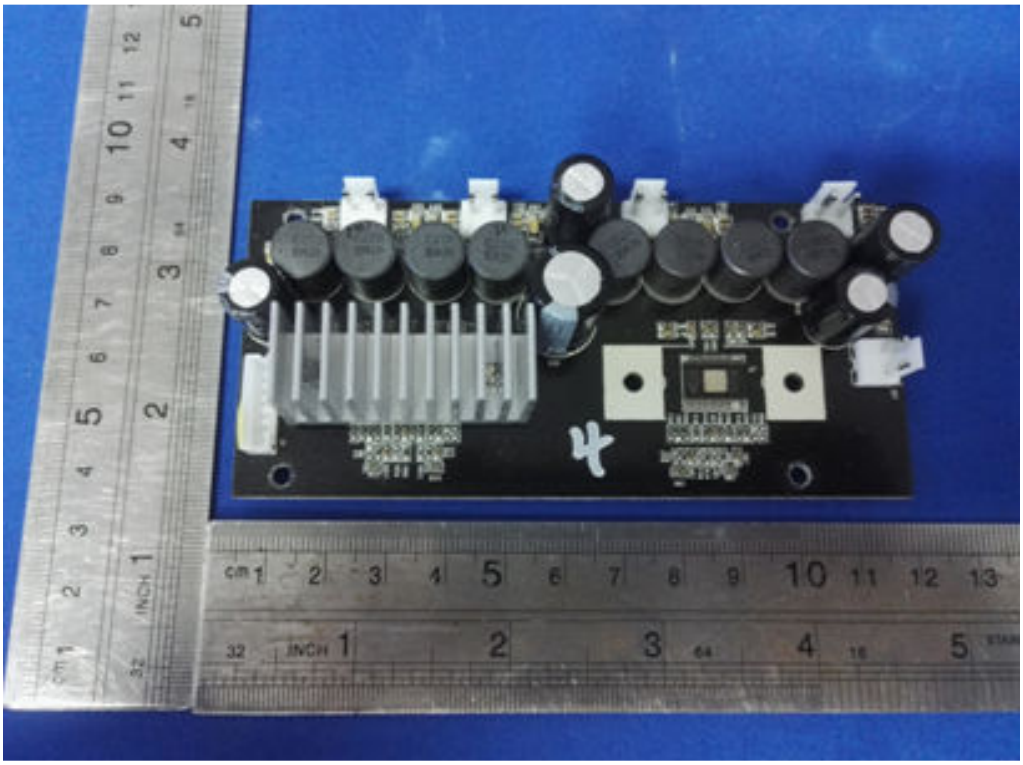
6. PHOTOGRAPHS OF THE EUT

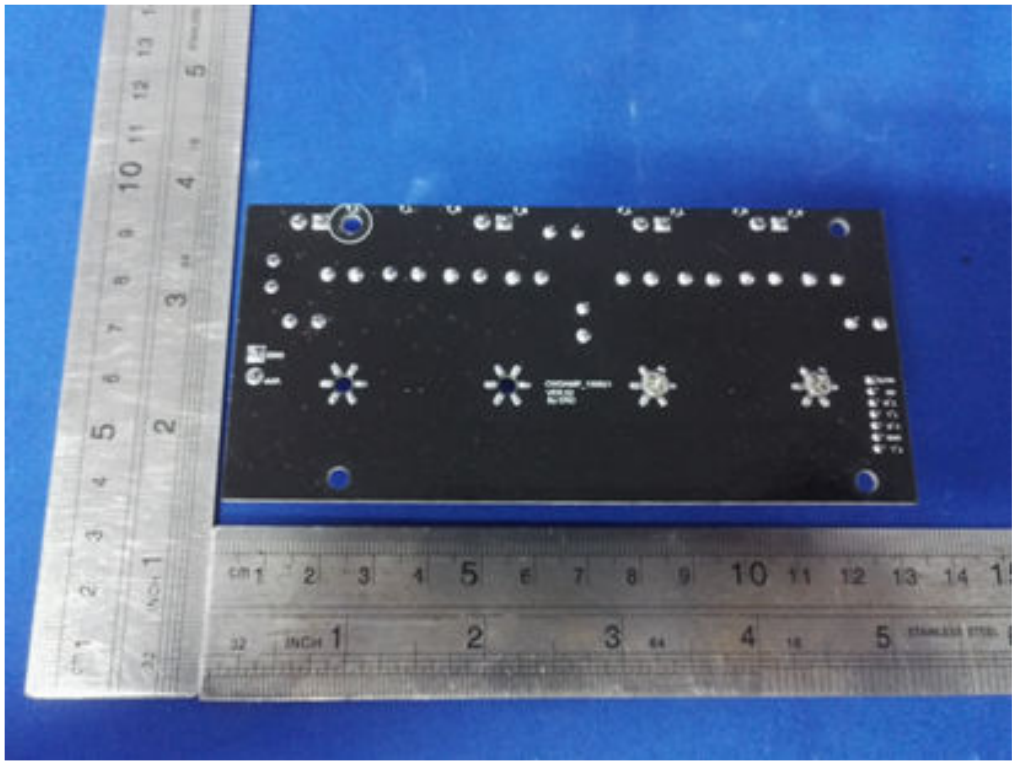

FLUANCE

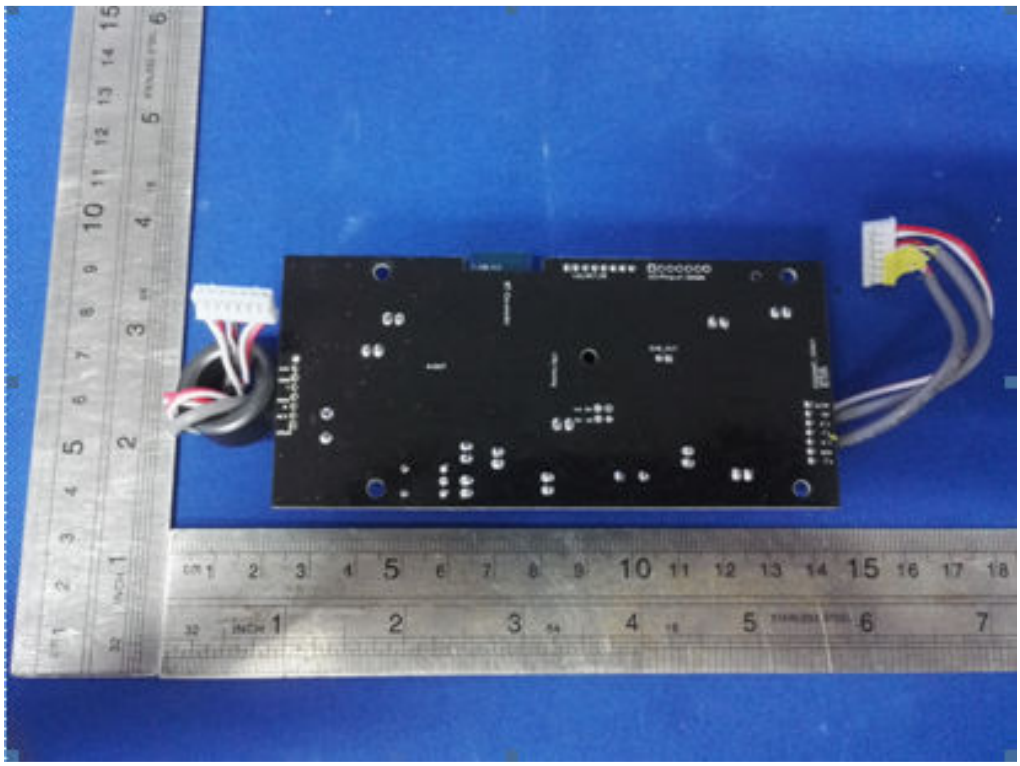


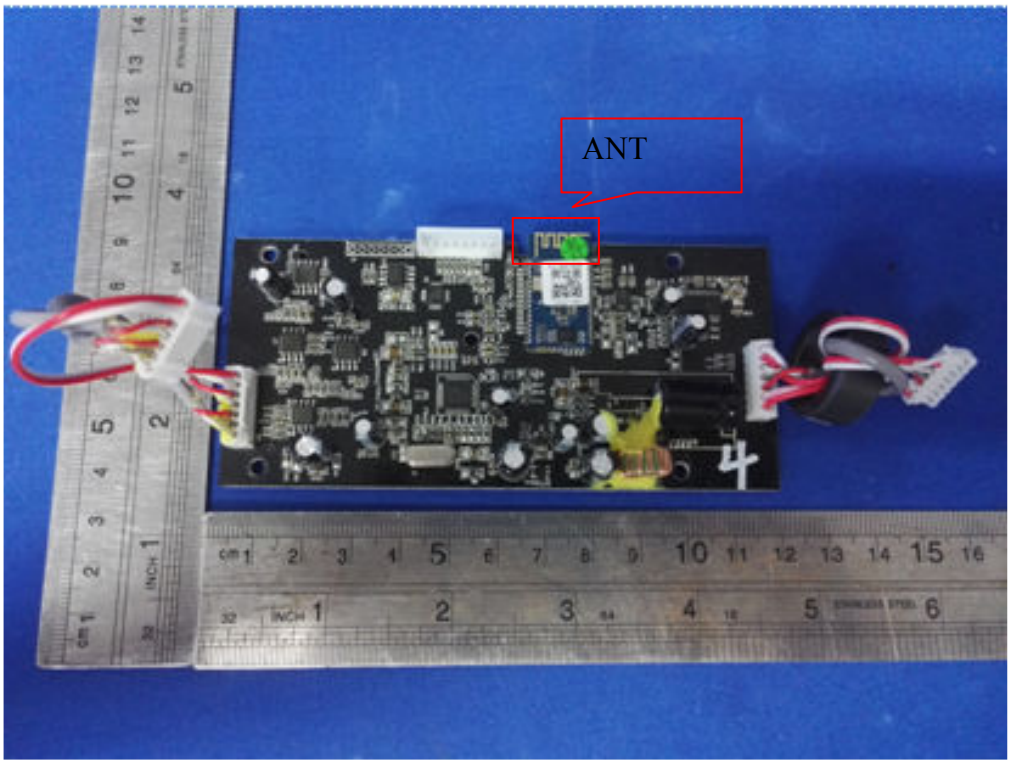








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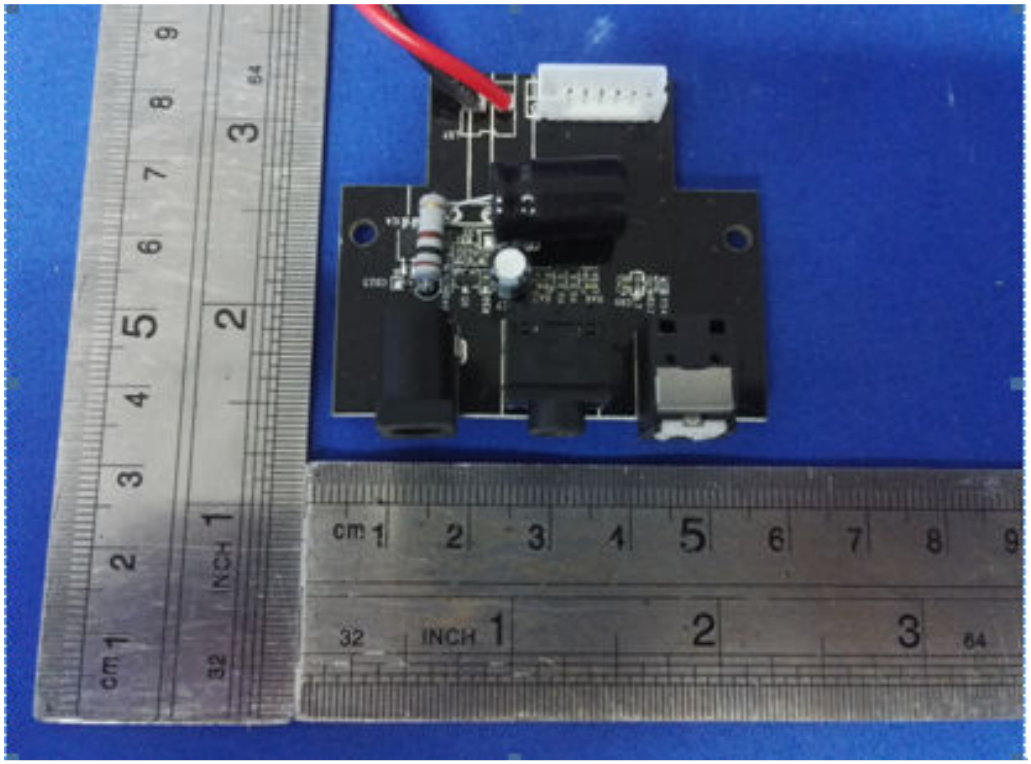

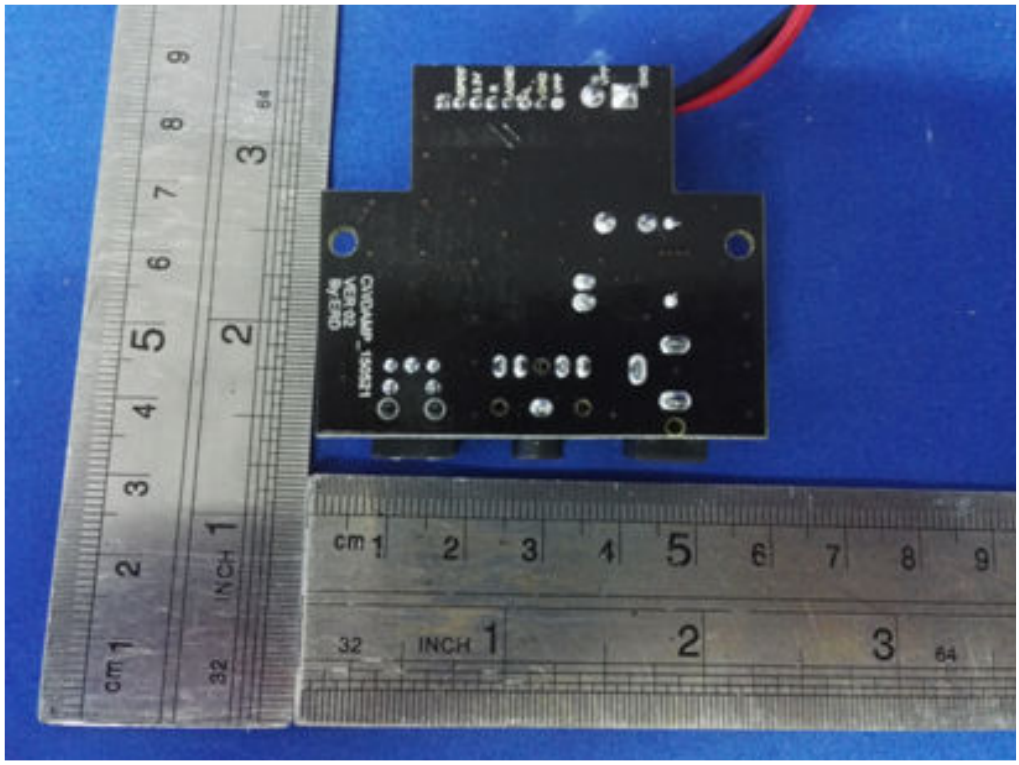

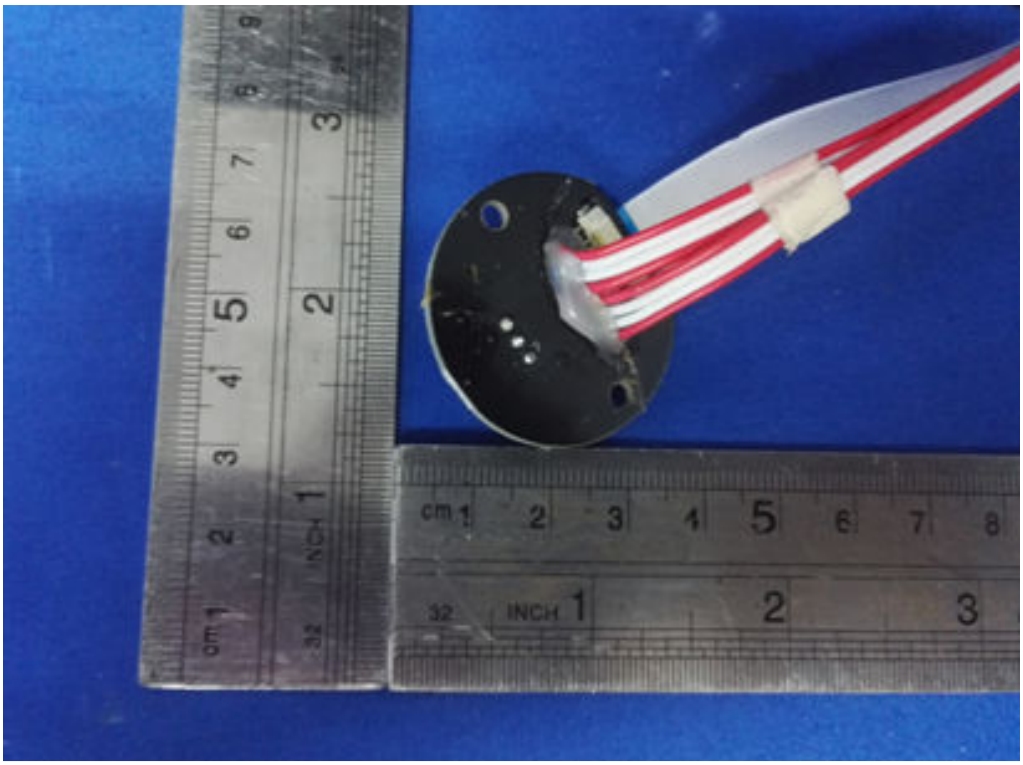

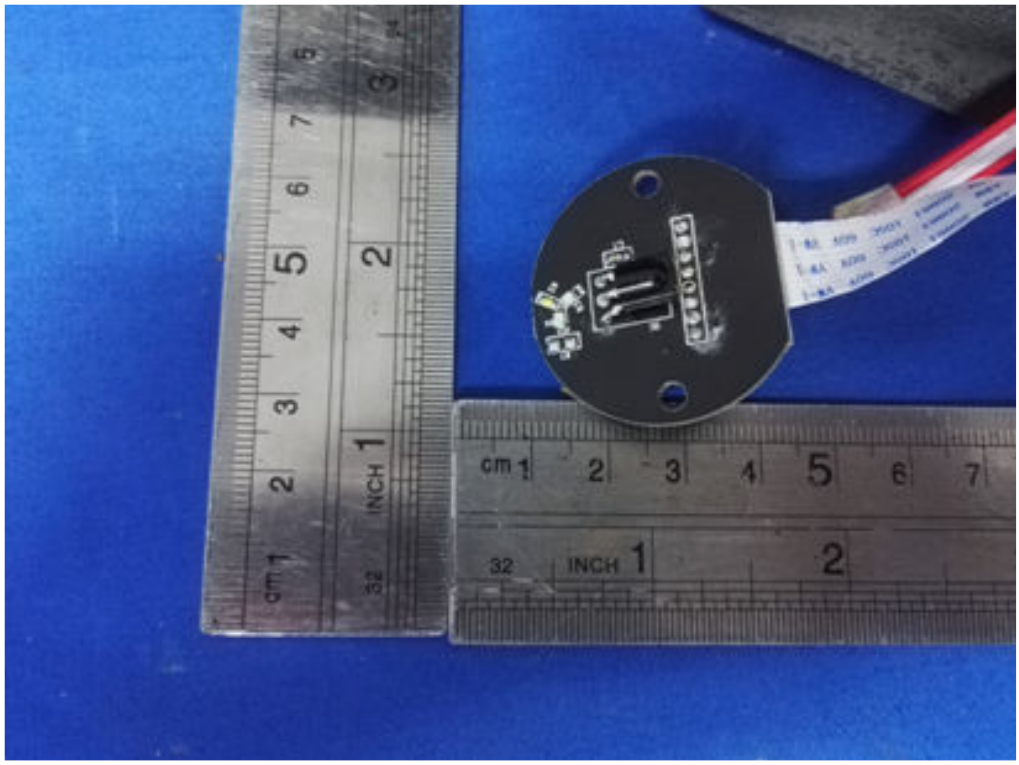

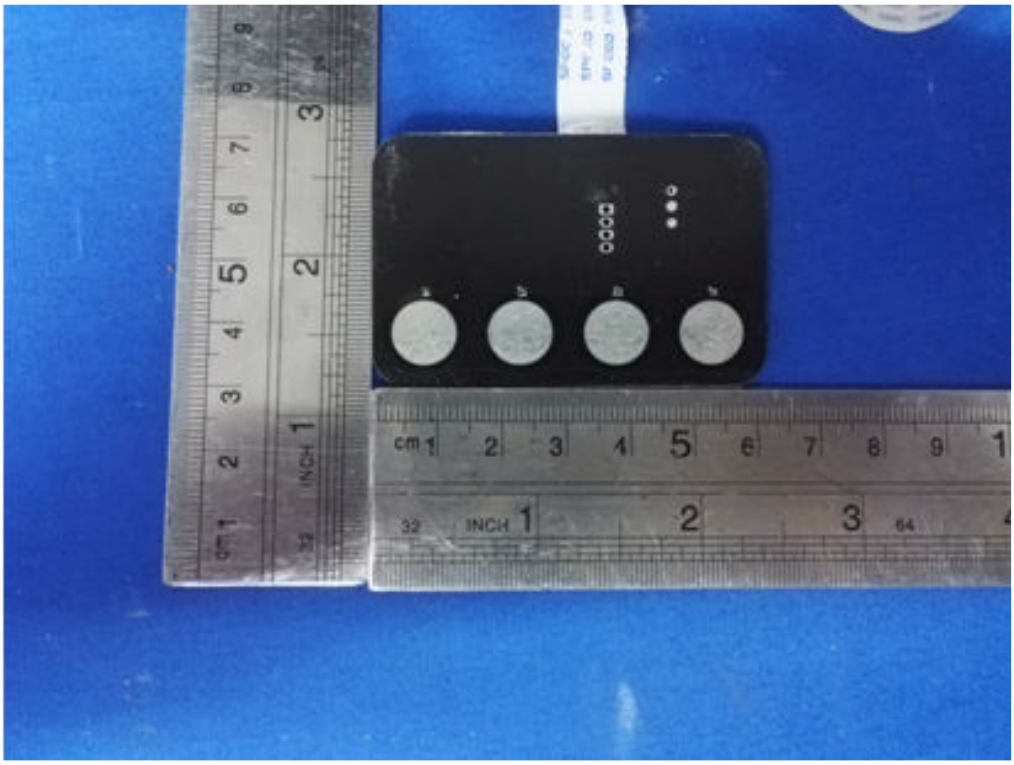


FLUANCE
BI Switching Power Supply
Model No. : BI60-190315-E1
Input : AC 100-240V~50/60Hz 2A
Output : DC 19V ⎓ 3.15A
c UL us E301399
32HD
LISTED
I.T.E. POWER SUPPLY
FC
Tested To Comply
With FCC Standards
For Home Or Office Use
VI
HAZARDOUS VOLTAGES CONTAINED WITHIN.
THIS POWER SUPPLY, NOT USER SERVICEABLE.
RETURN TO SERVICE CENTER FOR REPAIR.
FOR DRY LOCATION AND INDOOR USE ONLY.
Nur fur Innenraume geeignet
MADE IN CHINA
1516


FLUANCE
P/N:DQS751-190315-16126
MODEL :DQS751-190315-3
INPUT :AC100-240V~50/60Hz 2.0A Max
OUTPUT :DC19.0V 3.15A
CAUTION
LISTED
E479538
LPS
AC/DC ADAPTER
MADE IN CHINA
Tested To Comply
With FCC Standards
FOR HOME OR OFFICE USE

------END------