FCC PART 15C TEST REPORT FOR CERTIFICATION
On Behalf of

Harman International Industries, Inc

All-in-one portable PA system

Model Number: EON ONE COMPACT

FCC ID: APIEONONECOM

Prepared for:	Harman International Industries, Inc
	8500 Balboa Blvd. Northridge, CA 91329
Prepared By:	EST Technology Co., Ltd.
	Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China
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Report Number:	ESTE-R1908016
Date of Test:	Jul. 09~30, 2019
Date of Report:	Aug. 03, 2019

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EST Technology Co., Ltd.

Applicant: **Address:**	Harman International Industries, Inc 8500 Balboa Blvd. Northridge, CA 91329		
Manufacturer: **Address:**	Harman International Industries, Inc 8500 Balboa Blvd. Northridge, CA 91329		
E.U.T:	All-in-one portable PA system		
Model Number:	EON ONE COMPACT		
Power Supply:	AC 100-240V, 50/60Hz, 80W DC 14.8V From Battery		
Trade Name:	JBL	Serial No.:	------
Date of Receipt:	Jul. 09, 2019	Date of Test:	Jul. 09~30, 2019
Test Specification:	FCC Part 15 Subpart C (15.247) ANSI C63.10:2013 FCC KDB 558074 D01 15.247 Meas Guidance v05r02		
Test Result:	The device described above is tested by EST Technology Co., Ltd. The measurement results were contained in this test report and EST Technology Co., Ltd. was assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT to be technically compliance with the FCC Rules and Regulations Part 15 Subpart C requirements. This report applies to above tested sample only and shall not be reproduced in part without written approval of EST Technology Co., Ltd. **Date:** Aug. 03, 2019		
Prepared by: Ring Ring / Assistant	Reviewed by: Tony Tony / Engineer	Approved by: Iceman Hu / Manager	
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 EST Technology Co., Ltd.			

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

Product Name	:	All-in-one portable PA system
Model Number	:	EON ONE COMPACT
Software Version	:	COMPACT - MP
Hardware Version	:	FW - MP
Operation frequency	:	2402MHz~2480MHz
Number of channel	:	40
Max Output Power (PEAK)	:	GFSK: 5.8dBm
Modulation Type	:	GFSK
Sample Type	:	Prototype production

Note:

For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

1.2. Antenna Information

Ant No.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Internal	N/A	3.86

2. SUMMARY OF TEST

2.1. Summary of test result

Report Section	Description of Test Item	FCC Standard Section	Results
3	6dB Bandwidth	15.247(a)(2)	PASS
4	Maximum Peak Output Power	15.247(b)(3)	PASS
5	Power Spectral Density	15.247(e)	PASS
6	Conducted Band Edge	15.247(d)	PASS
7	Conducted Spurious Emissions	15.247(d)	PASS
8	Radiated Spurious Emissions and Band Edge	15.205 15.209 15.247(d)	PASS
9	AC Power Line Conducted Emissions	15.207	PASS
10	Antenna Requirement	15.203	PASS

Note:

(1) “N/A” denotes test is not applicable in this test report

2.2. Test Facilities

EMC Lab	:	Certificated by CNAS, CHINA Registration No.: L5288 Date of registration: November 13, 2017 Certificated by FCC, USA Designation Number: CN1215 Test Firm Registration Number: 722932 Date of registration: November 21, 2017 Certificated by A2LA, USA Registration No.: 4366.01 Date of registration: November 07, 2017 Certificated by Industry Canada CAB identifier No.: CN0035 Date of registration: January 04, 2019 Certificated by VCCI, Japan Registration No.: R-13663; C-14103 Date of registration: July 25, 2017 This Certificate is valid until: July 24, 2020 Certificated by TUV Rheinland, Germany Registration No.: UA 50413872 0001 Date of registration: July 31, 2018 Certificated by TUV/PS, Shenzhen Registration No.: SCN1017 Date of registration: January 27, 2011 Certificated by Intertek ETL SEMKO Registration No.: 2011-RTL-L2-64 Date of registration: April 28, 2011 Certificated by Nemko, Hong Kong Registration No.: 175193 Date of registration: May 4, 2011
Name of Firm	:	EST Technology Co., Ltd.
Site Location	:	Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China

2.3. Measurement uncertainty

Test Item	Uncertainty
Uncertainty for Conduction emission test	±3.48dB
Uncertainty for spurious emissions test (30MHz-1GHz)	±4.60 dB(Polarize: H)
	±4.68 dB(Polarize: V)
Uncertainty for spurious emissions test (1GHz to 18GHz)	±4.96dB
Uncertainty for radio frequency	7×10^{-8}
Uncertainty for conducted RF Power	0.20dB
Uncertainty for Power density test	0.26dB

Note：This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

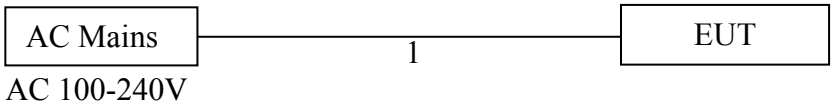
2.4. Assistant equipment used for test

Item	Equipment	Brand	Model Name/Type No.	FCC ID	Series No.
-	-	-	-	-	-

Item	Shielded Type	Ferrite Core	Length	Note
1	NO	NO	1.8m	AC Cable

2.5. Block Diagram

For radiated emissions test: EUT was placed on a turn table, which is 0.8 (or 1.5) meter high above ground. EUT was beset into BLE test mode by software before test.



(EUT: All-in-one portable PA system)

2.6. Test Mode

The test mode was selected for the final test as listed below.

Test Item	Modulation Type	Test Channel
6dB Bandwidth	GFSK	Low/Middle/High
Maximum Peak Output Power	GFSK	Low/Middle/High
Power Spectral Density	GFSK	Low/Middle/High
Conducted Band Edge	GFSK	Low/ High
Conducted Spurious Emissions	GFSK	Low/Middle/High
Radiated Spurious Emissions(Below 1GHz)	GFSK	Low/Middle/High
Radiated Spurious Emissions(Above 1GHz)	GFSK	Low/Middle/High
Radiated Band Edge	GFSK	Low/High
AC Power Line Conducted Emissions	GFSK	Low/Middle/High

Note:

1. In radiated measurement,the EUT had been pre-scan on the positioned of each 3 axis(X,Y,Z), the worst case was found when positioned on **X-plane.**

2.7. Power Setting of Test Software

Software Name	BlueTest3		
Frequency(MHz)	2402	2440	2480
Setting	N/A	N/A	N/A

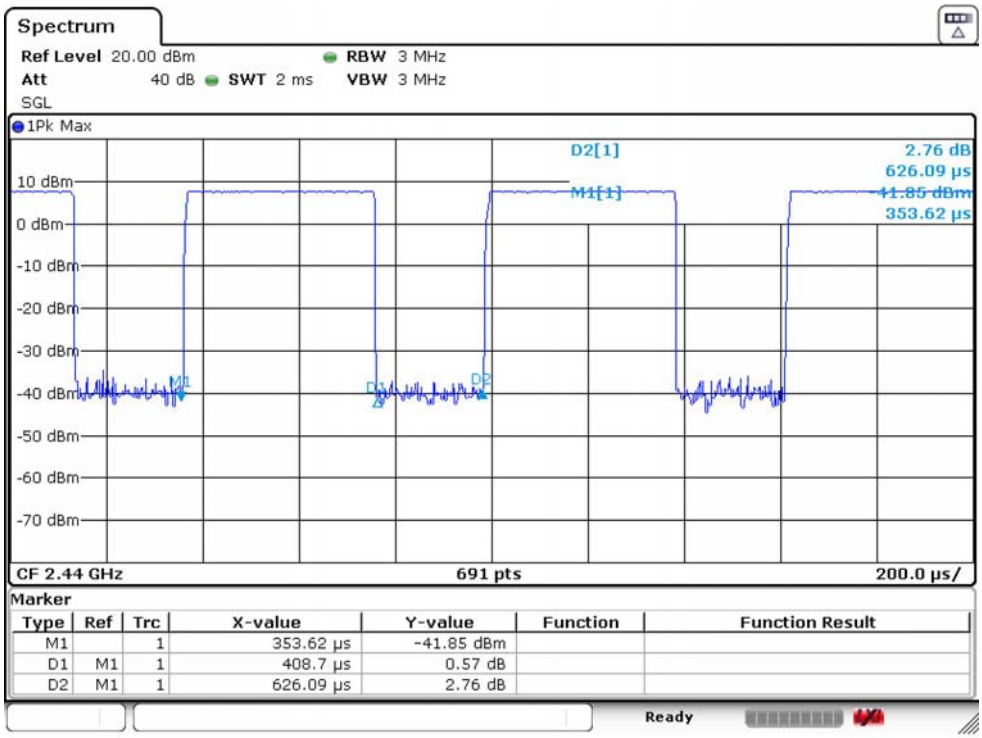
2.8. Duty Cycle

Temperature	25℃	Relative Humidity	55%	Test Voltage	120V/60Hz
Mode	Fre(MHz)	On time(ms)	Total Time(ms)	Duty Cycle	Duty Factor
GFSK	2440	0.40870	0.62609	65.28%	1.85

Note:

1. If duty cycle <98 %, the conducted average output power and average power spectral density should be add duty factor.
2. If duty cycle≥98 %,the EUT is consider to be transmitting continuously,the conducted average output power and average power spectral density no need to add duty factor(consider to be zero).
3. The conducted peak output power and peak power spectral density no need to consider duty factor.
4. The on-time time is transmission duration(T).

GFSK 2440



2.9. Channel List

Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
0	2402	1	2404
2	2406	3	2408
4	2410	5	2412
6	2414	7	2416
8	2418	9	2420
10	2422	11	2424
12	2426	13	2428
14	2430	15	2432
16	2434	17	2436
18	2438	19	2440
20	2442	21	2444
22	2446	23	2448
24	2450	25	2452
26	2454	27	2456
28	2458	29	2460
30	2462	31	2464
32	2466	33	2468
34	2470	35	2472
36	2474	37	2476
38	2478	39	2480

2.10. Test Equipment List

For conducted emission test						
Equipment	Manufacturer	Model No.	Serial No.	Calibration Body	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESHS30	832354	LISAI	June 14,19	1 Year
Artificial Mains Network	Rohde & Schwarz	ENV216	101260	LISAI	June 14,19	1 Year
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	101100	LISAI	June 14,19	1 Year
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A	N/A

For radiated emission test(9kHz-30MHz)						
Equipment	Manufacturer	Model No.	Serial No.	Calibration Body	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESR7	101780	LISAI	June 14,19	1 Year
Active Loop Antenna	SCHWAREBECK	FMZB 1519B	1519B-088	LISAI	June 14,19	1 Year
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A	N/A
9kHz-30MHz Cable	N/A	EST-001	N/A	N/A	N/A	N/A

For radiated emissions test (30-1000MHz)						
Equipment	Manufacturer	Model No.	Serial No.	Calibration Body	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESR7	101780	LISAI	June 14,19	1 Year
Bilog Antenna	Teseq	CBL 6111D	37062	LISAI	June 14,19	1 Year
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A	N/A
30-1000MHz Cable	N/A	EST-002	N/A	N/A	N/A	N/A

For radiated emission test(above 1GHz)						
Equipment	Manufacturer	Model No.	Serial No.	Calibration Body	Last Cal.	Next Cal.
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA9120D1002	LISAI	June 14,19	1 Year
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170242	LISAI	June 14,19	1Year
Signal Amplifier	SCHWARZBECK	BBV9718	9718-212	LISAI	June 14,19	1 Year
Spectrum Analyzer	Rohde &Schwarz	FSV	103173	LISAI	June 14,19	1 Year
PSA Series Spertrum Analyzer	Agilent	E4447A	MY50180031	LISAI	June 14,19	1Year
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A	N/A
Above 1GHz Cable	N/A	EST-003	N/A	N/A	N/A	N/A

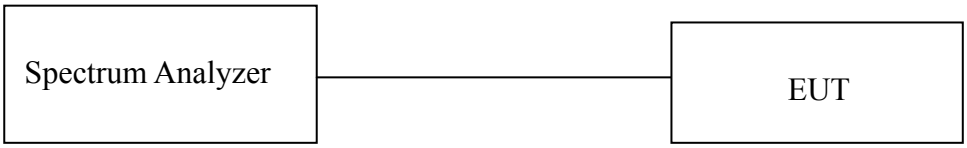
For connect EUT antenna terminal test						
Equipment	Manufacturer	Model No.	Serial No.	Calibration Body	Last Cal.	Next Cal.
Spectrum Analyzer	Rohde&Schwarz	FSV	103173	LISAI	June 14,19	1 Year

3. 6DB BANDWIDTH

3.1. Limit

Systems using digital modulation techniques operate in the 2400-2483.5 MHz,the minimum 6 dB bandwidth shall be at least 500 kHz.

3.2. Test Setup



3.3. Spectrum Analyzer Setting

Spectrum Parameters	Setting
RBW	100KHz
VBW	300KHz
Span	3MHz
Sweep Time	Auto
Detector	Peak
Trace Mode	Max Hold

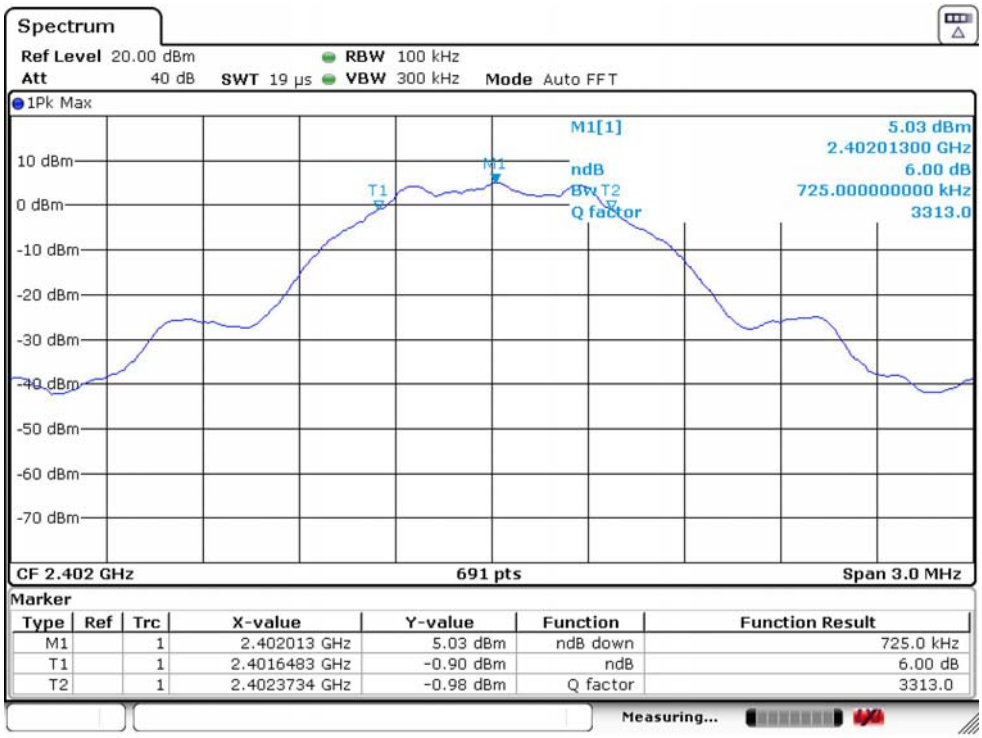
3.4. Test Procedure

a. Connect EUT antenna terminal to the spectrum analyzer with RF cable.
b. Spectrum analyzer setting parameters in accordance with section 3.3.
c. Set the EUT transmit continuously with maximum output power.
d. Allow trace to stabilize, use the ndB down function to measure 6dB Bandwidth.
e. Repeat above procedures until all channels were measured.
f. Record the results in the test report.

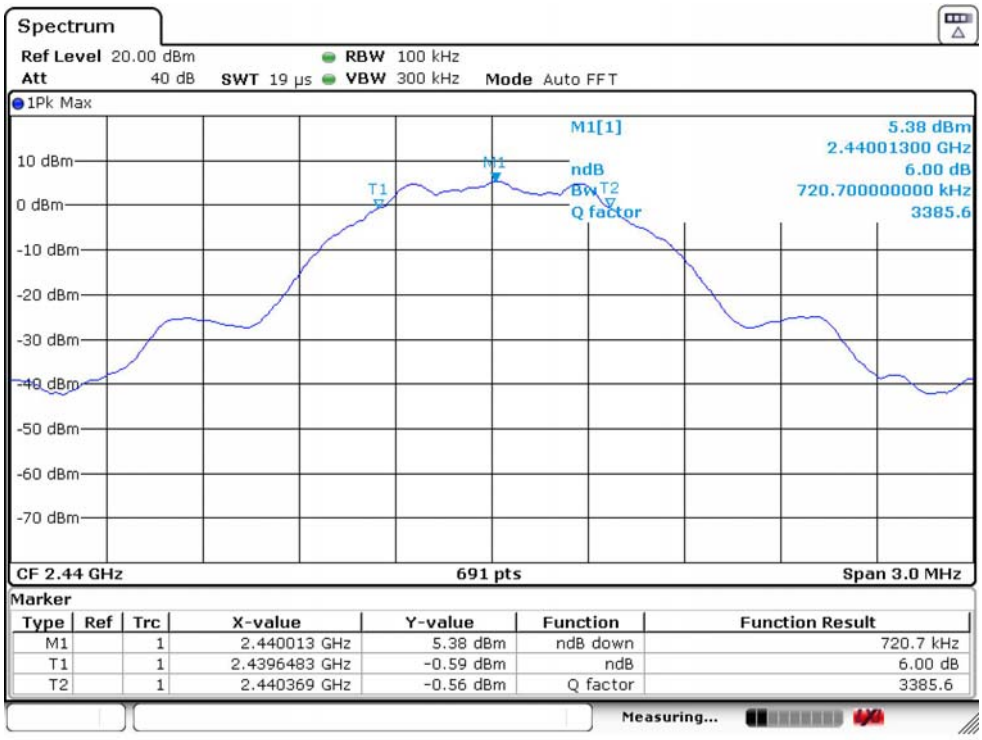
3.5. Test Result

Temperature	25℃	Relative Humidity	55%	
Test Voltage	120V/60Hz			
Mode	Freq (MHz)	6dB Bandwidth (MHz)	6dB BW Limit (MHz)	Result
GFSK	2402	0.7250	⩾0.5	PASS
	2440	0.7207	⩾0.5	PASS
	2480	0.7207	⩾0.5	PASS

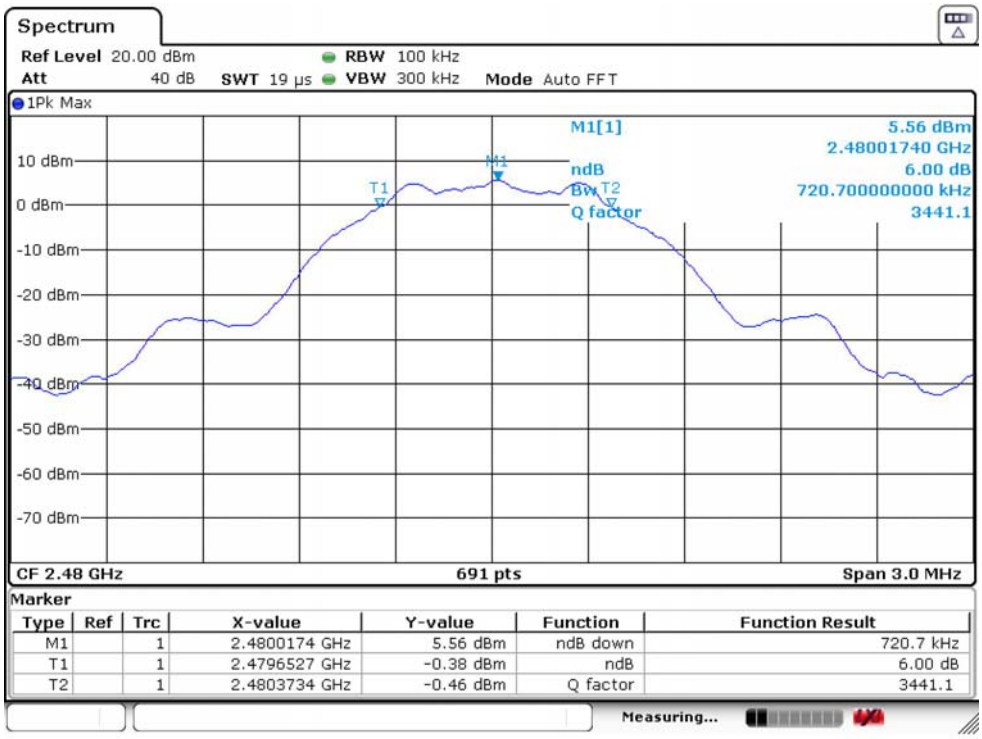
GFSK 2402 MHz



GFSK 2440 MHz



GFSK 2480 MHz

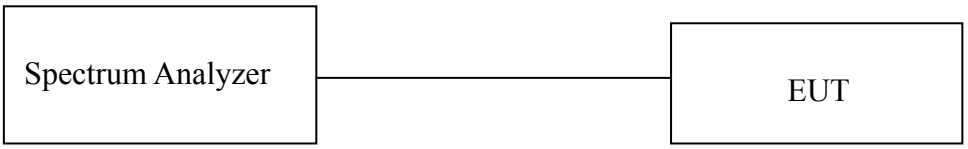


4. MAXIMUM PEAK OUTPUT POWER

4.1. Limit

For systems using digital modulation in 2400-2483.5 MHz,the maximum peak output power is 1 Watt(30dBm).

4.2. Test Setup



4.3. Spectrum Analyzer Setting

Spectrum Parameters	Setting
RBW	1MHz
VBW	3MHz
Span	3MHz
Sweep Time	Auto
Detector	Peak
Trace Mode	Max Hold

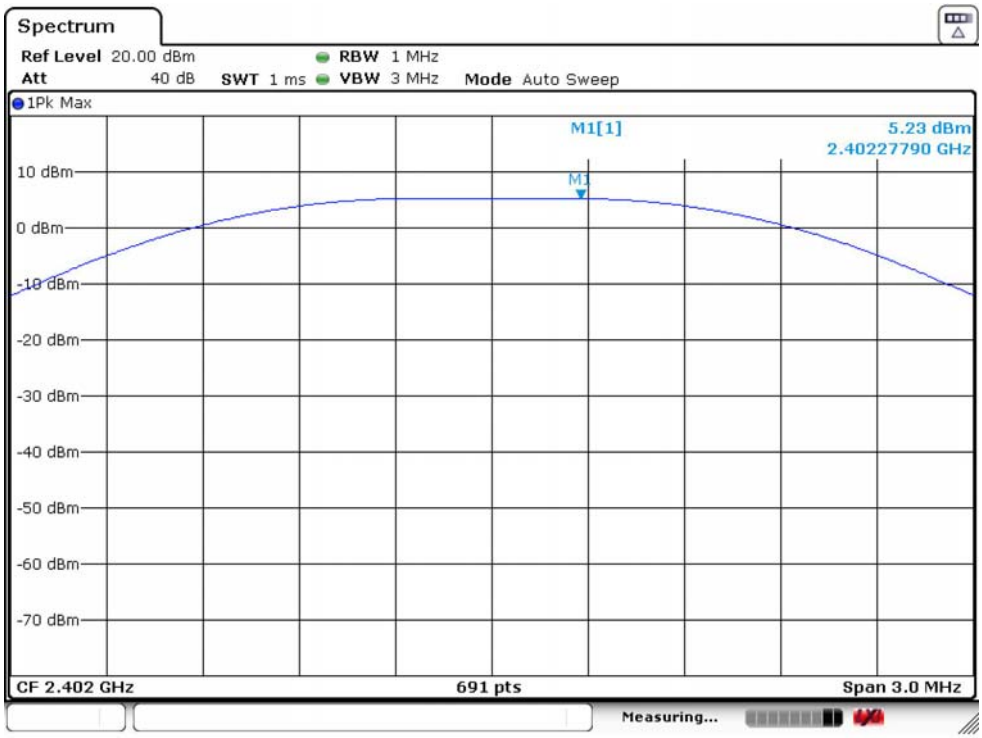
4.4. Test Procedure

a. Connect EUT antenna terminal to the spectrum analyzer with RF cable.
b. Spectrum analyzer setting parameters in accordance with section 4.3.
c. Set the EUT transmit continuously with maximum output power.
d. Allow trace to stabilize, use the marker-to-peak function to set the marker to the peak of the emission.
e. Repeat above procedures until all channels were measured.
f. Record the results in the test report.

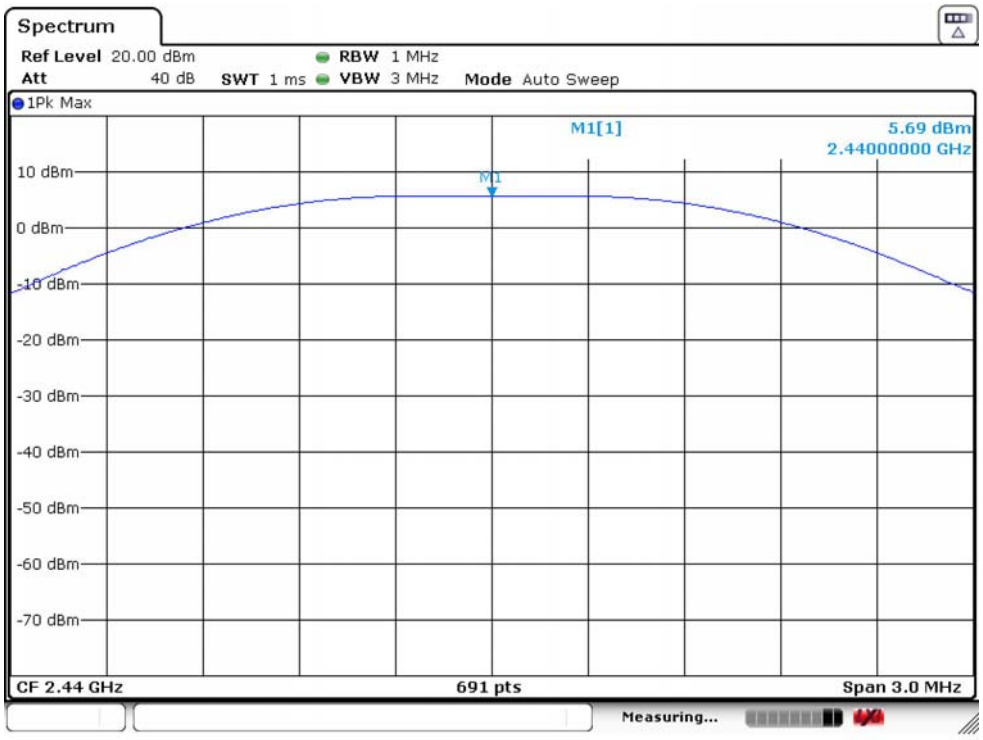
4.5. Test Result

Temperature	25℃	Relative Humidity	55%	Test Voltage		120V/60Hz
Mode	Freq (MHz)	Peak Output Power		Limit		Result
		dBm	W	dBm	W	
GFSK	2402	5.23	0.0033	30.00	1.0000	PASS
	2440	5.69	0.0037	30.00	1.0000	PASS
	2480	5.80	0.0038	30.00	1.0000	PASS

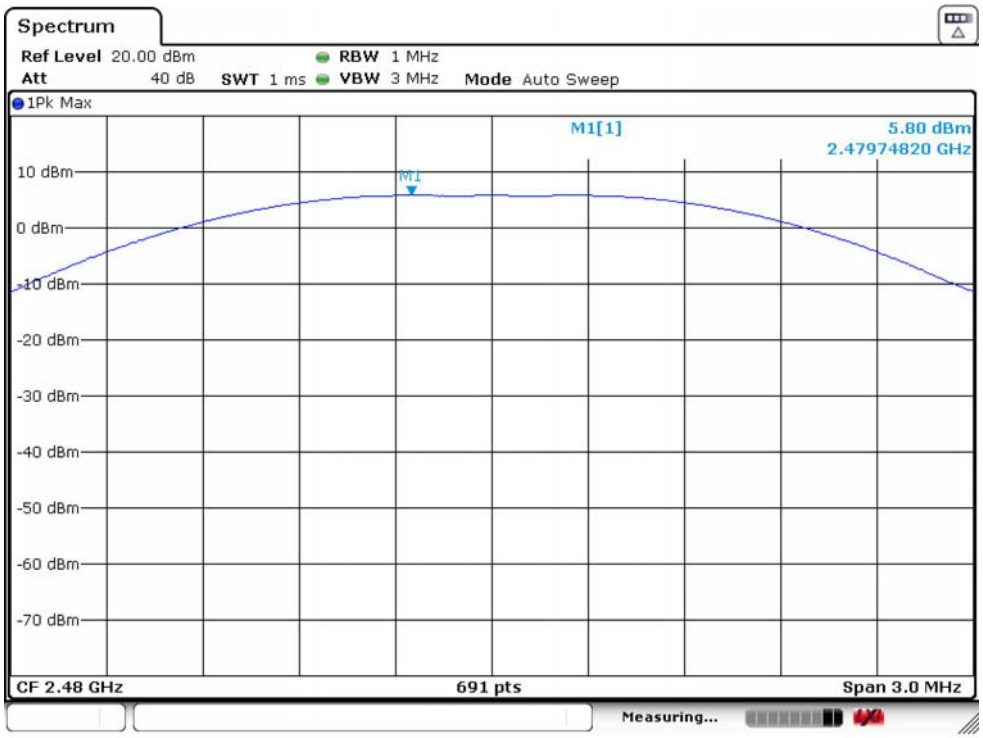
GFSK 2402MHz



GFSK 2440MHz



GFSK 2480MHz

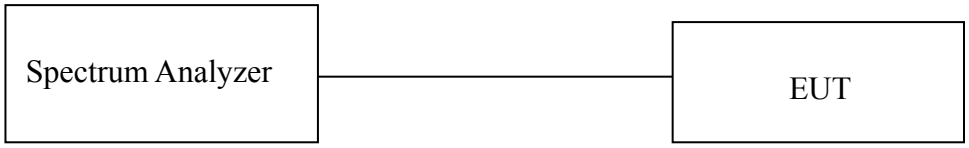


5. POWER SPECTRAL DENSITY

5.1. Limit

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

5.2. Test Setup



5.3. Spectrum Analyzer Setting

Spectrum Parameters	Setting
RBW	3KHz
VBW	10KHz
Span	2MHz
Sweep Time	Auto
Detector	Peak
Trace Mode	Max Hold

5.4. Test Procedure

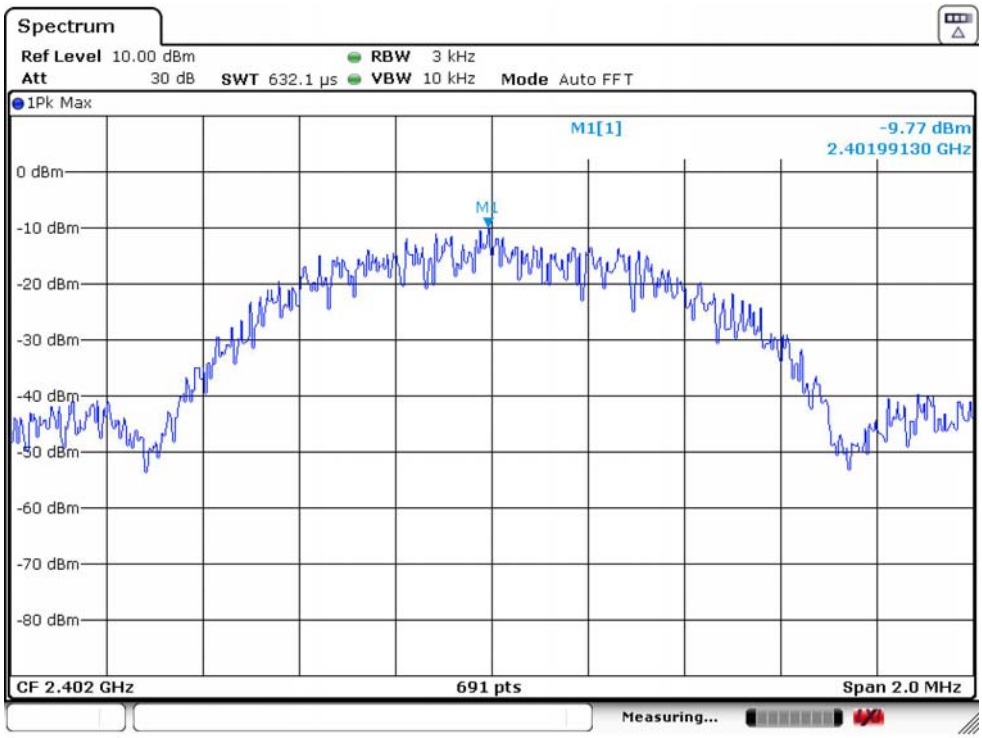
a. Connect EUT antenna terminal to the spectrum analyzer with RF cable.
b. Spectrum analyzer setting parameters in accordance with section 5.3.
c. Set the EUT transmit continuously with maximum output power.
d. Allow trace to stabilize, use the marker-to-peak function to set the marker to the peak of the emission.
e. Repeat above procedures until all channels were measured.
f. Record the results in the test report.

5.5. Test Result

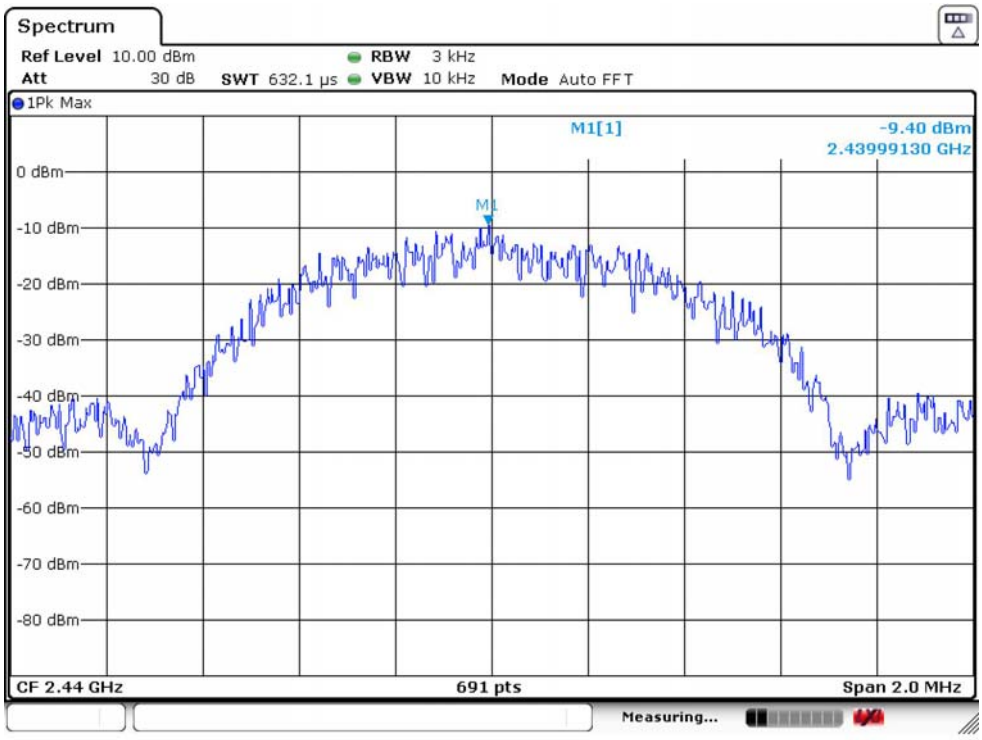
Temperature	25℃	Relative Humidity	55%	Test Voltage	120V/60Hz

Mode	Freq (MHz)	Power Density (dBm/3KHz)	Limit (dBm/3KHz)	Result
GFSK	2402	-9.77	8.00	PASS
	2440	-9.40	8.00	PASS
	2480	-9.37	8.00	PASS

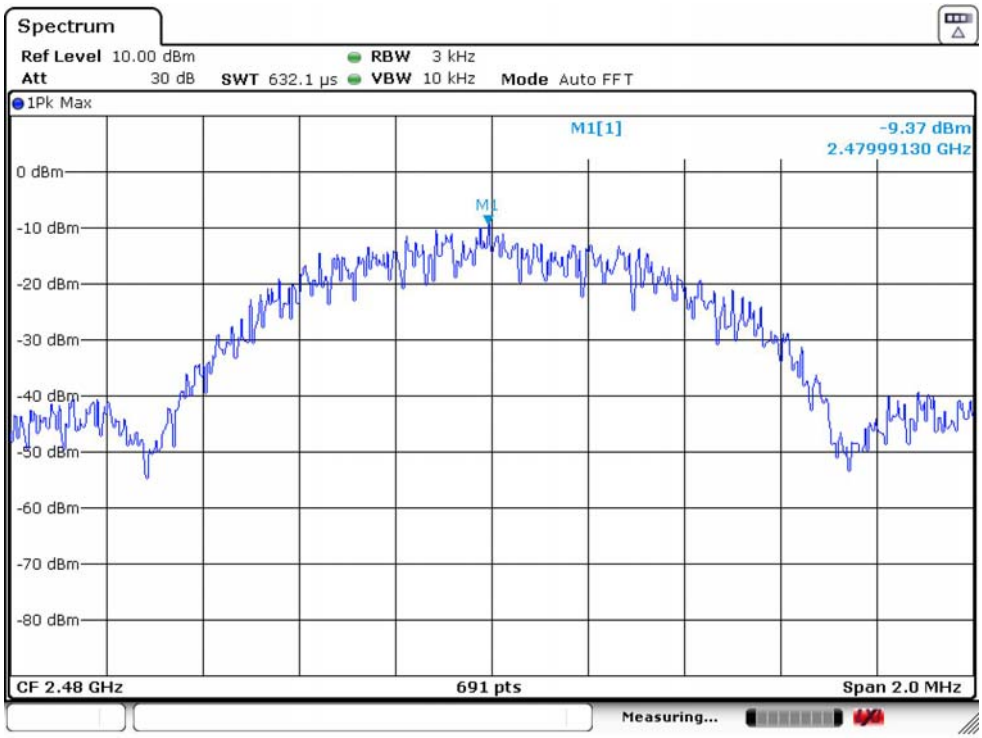
GFSK 2402MHz



GFSK 2440MHz



GFSK 2480MHz

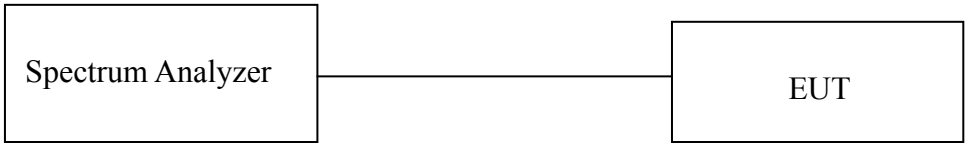


6. CONDUCTED BAND EDGE

6.1. Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

6.2. Test Setup



6.3. Spectrum Analyzer Setting

Spectrum Parameters	Setting
RBW	100KHz
VBW	300KHz
Span	100MHz
Sweep Time	Auto
Detector	Peak
Trace Mode	Max Hold

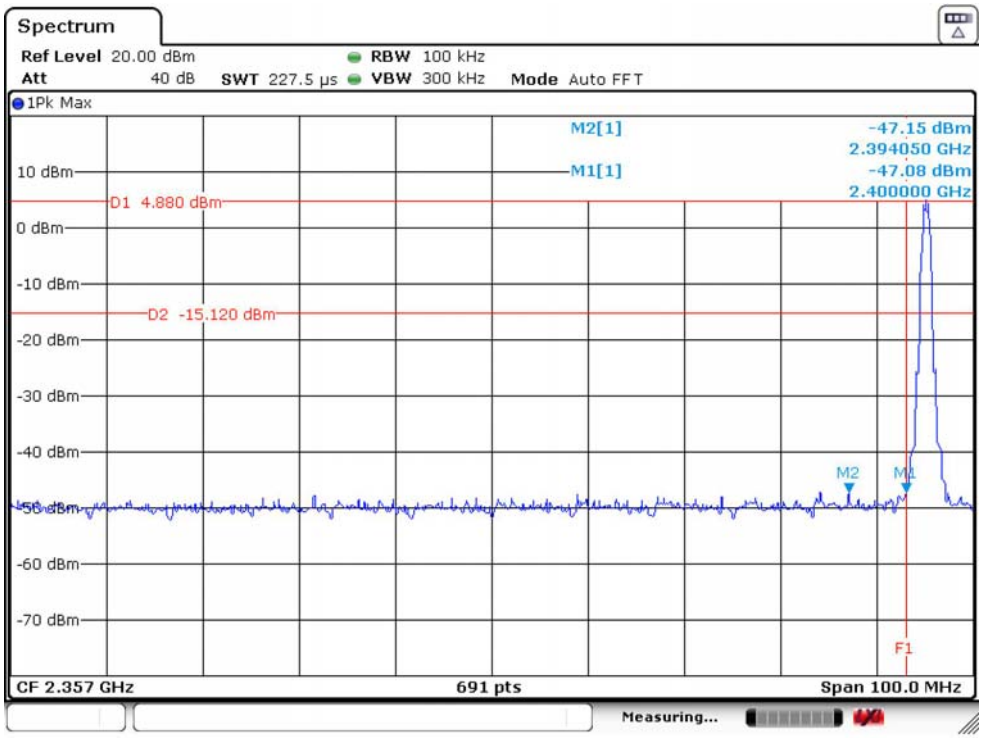
6.4. Test Procedure

a. Connect EUT antenna terminal to the spectrum analyzer with RF cable.
b. Spectrum analyzer setting parameters in accordance with section 6.3.
c. Set the EUT transmit continuously with maximum output power.
d. Allow trace to stabilize, use the marker function to mark the highest emission level outside the authorized band.
e. Repeat above procedures until all channels were measured.
f. Record the results in the test report.

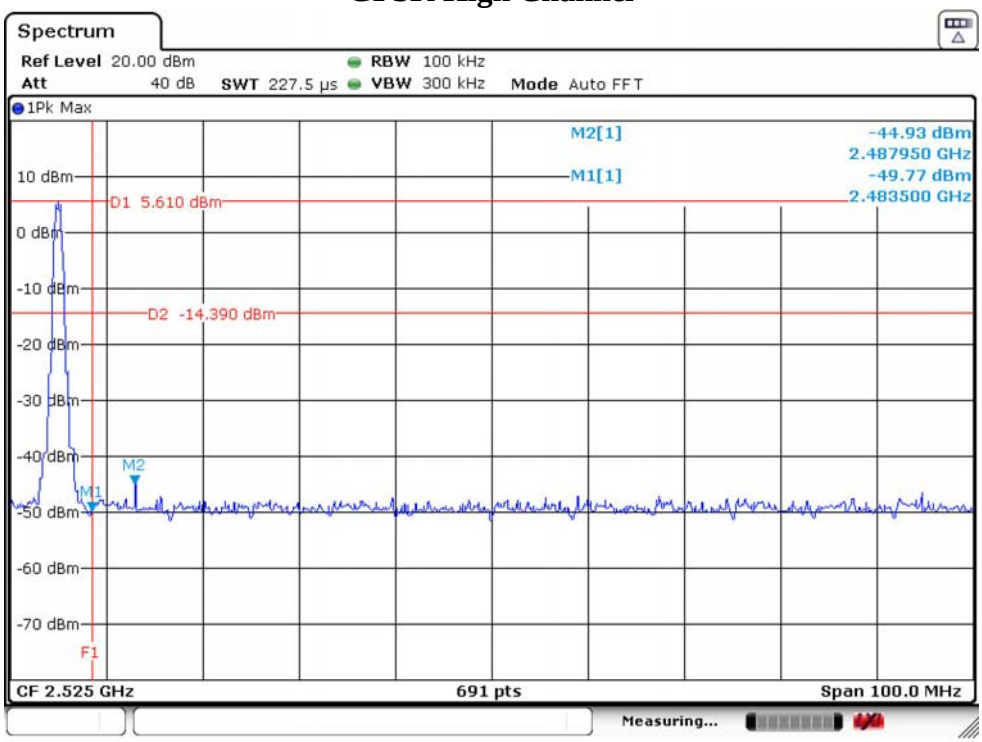
6.5. Test Result

Temperature	25℃	Relative Humidity	55%	Test Voltage	120V/60Hz
Result	PASS				

GFSK Low Channel



GFSK High Channel

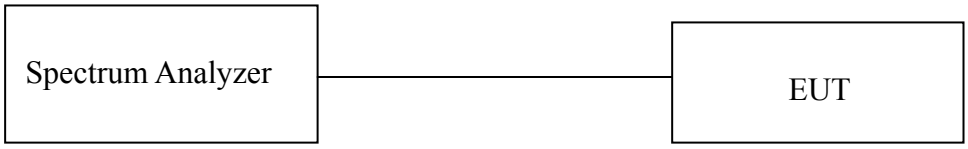


7. CONDUCTED SPURIOUS EMISSIONS

7.1. Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

7.2. Test Setup



7.3. Spectrum Analyzer Setting

Spectrum Parameters	Setting
RBW	100KHz
VBW	300KHz
Start frequency	30MHz
Stop frequency	25GHz
Sweep Time	Auto
Detector	Peak
Trace Mode	Max Hold

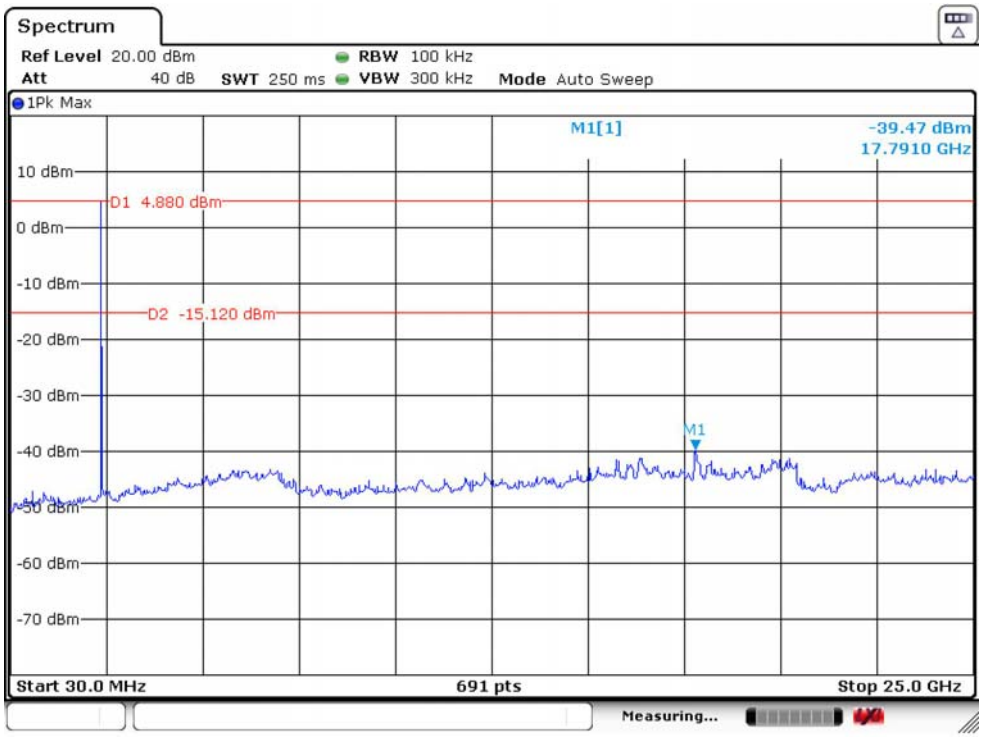
7.4. Test Procedure

a. Connect EUT antenna terminal to the spectrum analyzer with RF cable.
b. Spectrum analyzer setting parameters in accordance with section 7.3.
c. Set the EUT transmit continuously with maximum output power.
d. Allow trace to stabilize, use the marker function to mark the highest emission level outside the authorized band.
e. Repeat above procedures until all channels were measured.
f. Record the results in the test report.

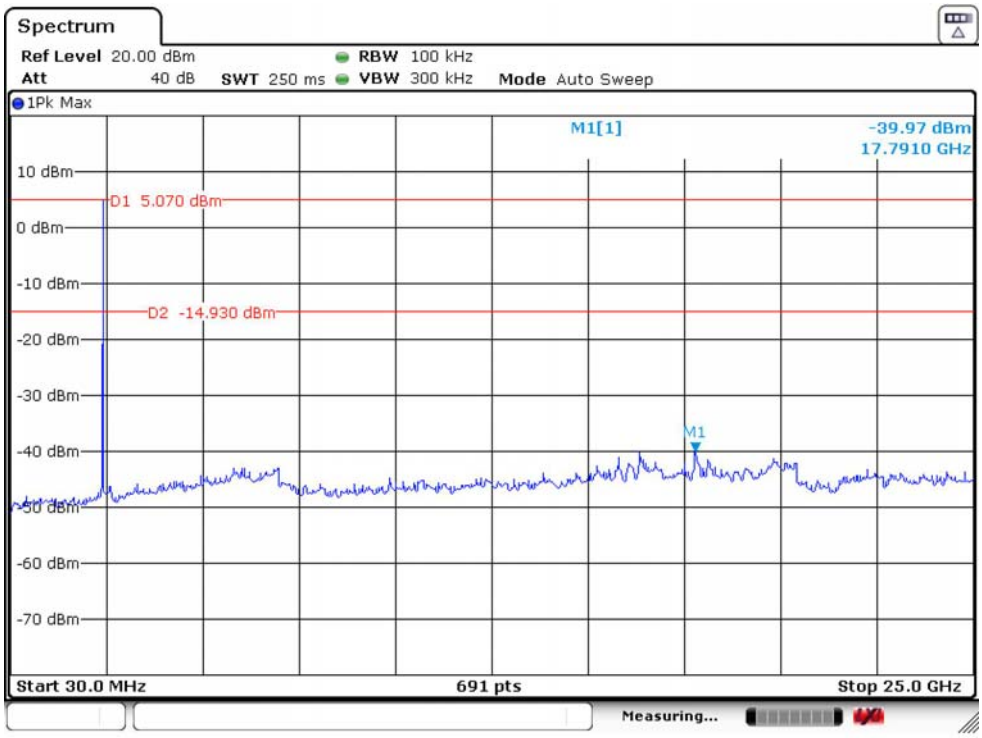
7.5. Test Result

Temperature	25℃	Relative Humidity	55%	Test Voltage	120V/60Hz
Result	PASS				

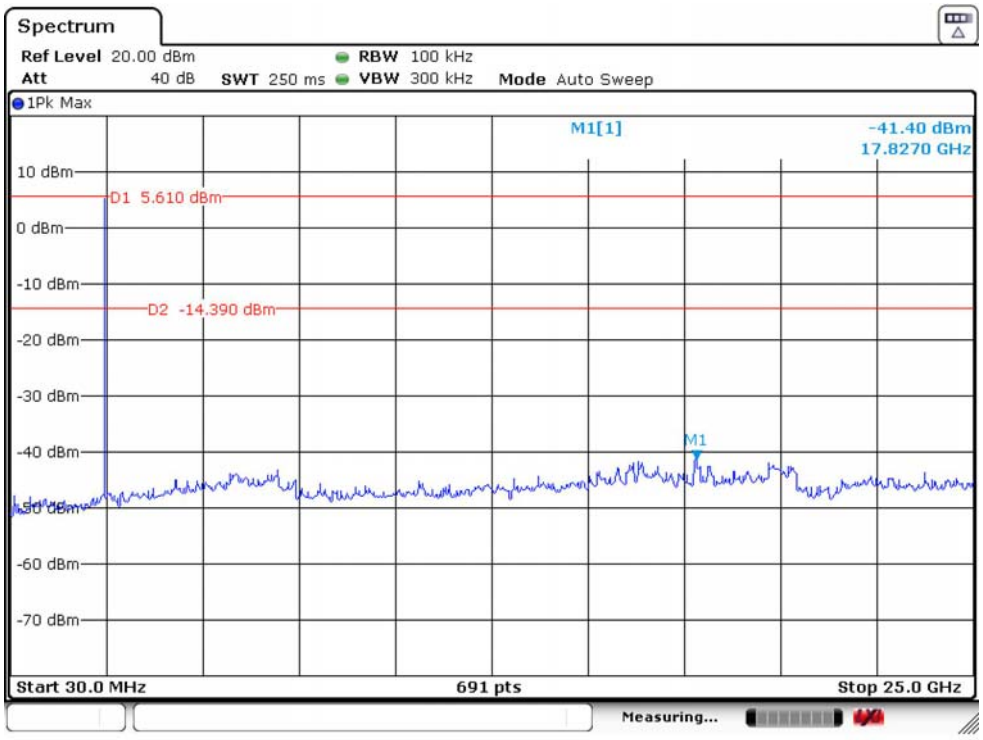
GFSK 2402 MHz



GFSK 2440 MHz



GFSK 2480 MHz



8. RADIATED SPURIOUS EMISSIONS AND BAND EDGE

8.1. Limit

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.

15.205 Restricted frequency band

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])

15.209 Limit

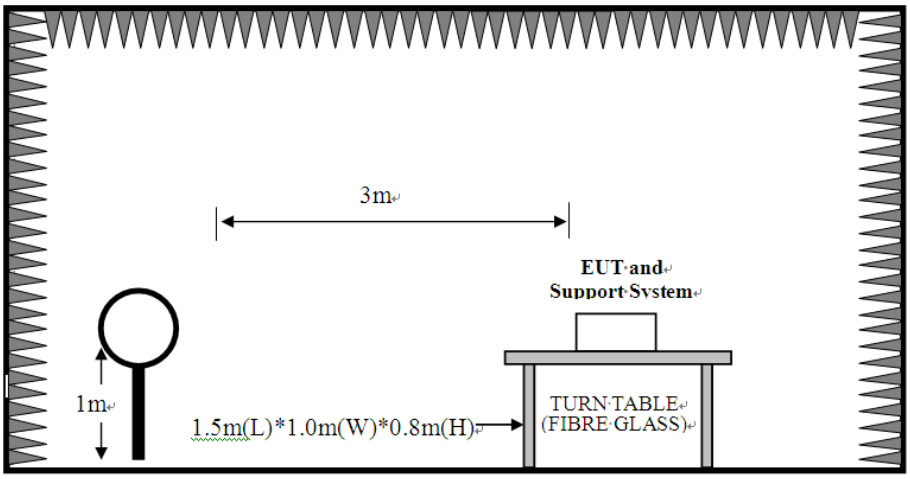
Frequency (MHz)	Field Strength(μV/m)	Distance(m)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Note:

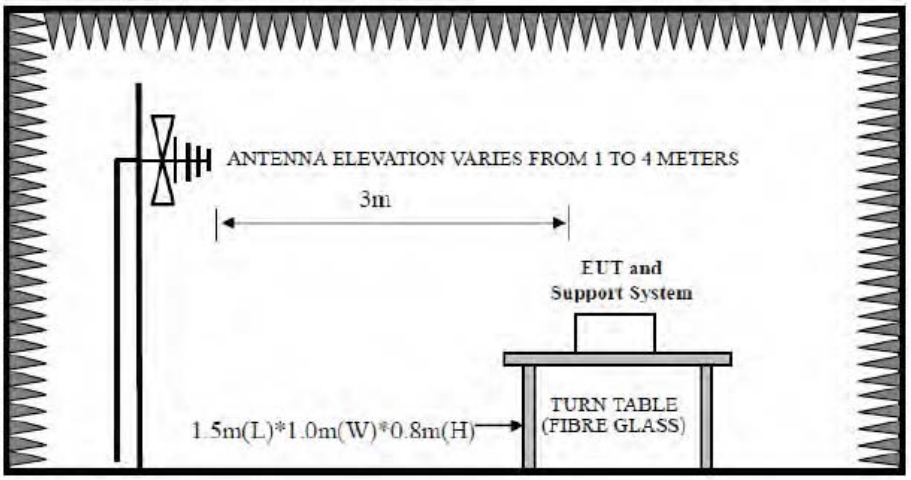
(1) Emission level dBμV = 20 log Emission level μV/m.
(2) The smaller limit shall apply at the cross point between two frequency bands.
(3) Distance is the distance in meters between the measuring instrument,antenna and the closest point of any part of the device or system.

8.2. Test Setup

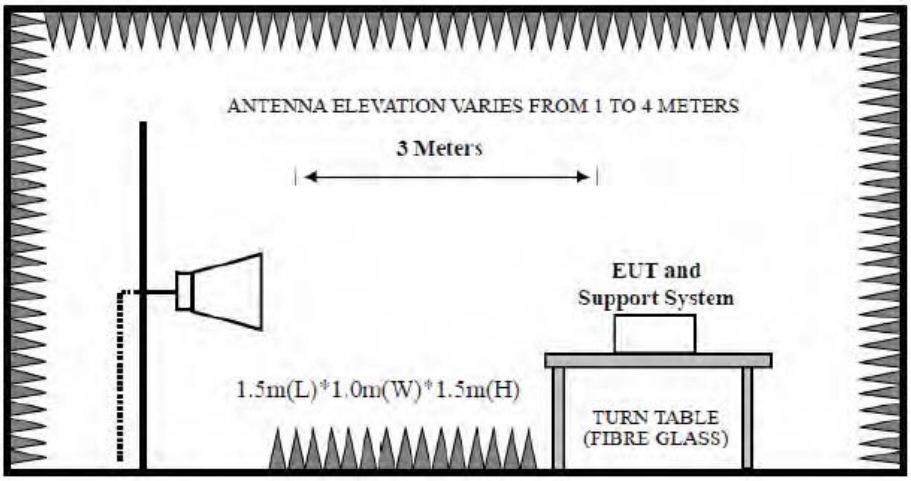
9kHz~30MHz



30~1000MHz



Above 1GHz



8.3. Spectrum Analyzer Setting

For 9KHz-150KHz

Spectrum Parameters	Setting
RBW	300Hz(for Peak&AVG)/CISPR 200Hz(for QP)
VBW	300Hz(for Peak&AVG)/CISPR 200Hz(for QP)
Start frequency	9KHz
Stop frequency	150KHz
Sweep Time	Auto
Detector	PEAK/QP/AVG
Trace Mode	Max Hold

For 150KHz-30MHz

Spectrum Parameters	Setting
RBW	9KHz
VBW	9KHz
Start frequency	150KHz
Stop frequency	30MHz
Sweep Time	Auto
Detector	QP
Trace Mode	Max Hold

For 30MHz-1GHz

Spectrum Parameters	Setting
RBW	120KHz
VBW	300KHz
Start frequency	30MHz
Stop frequency	1GHz
Sweep Time	Auto
Detector	QP
Trace Mode	Max Hold

For Above 1GHz

Spectrum Parameters	Setting	
RBW	1MHz	
VBW	PEAK Measurement	AVG Measurement
	3MHz	Duty cycle≥98%,VBW=10Hz
		Duty cycle＜98%,VBW≥1/T
Start frequency	1GHz	
Stop frequency	25GHz	
Sweep Time	Auto	
Detector	PEAK	
Trace Mode	Max Hold	

Note :

1. T is the on-time time of the duty cycle,when EUT transmit continuously with maximum output power,unit is seconds. reference section 2.8 for the on-time time.

8.4. Test Procedure

a. EUT was placed on a turn table, which is 0.8 meter high above ground for below 1GHz test, and which is 1.5 meter high above ground for above 1GHz test.
b. EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower.
c. Set the EUT transmit continuously with maximum output power.
d. The turn table can rotate 360 degrees to determine the position of the maximum emission level.
e. The antenna can be moved up and down between 1 meter and 4 meters to find out the maximum emission level. Both horizontal and vertical polarization of the antenna are set on test.
f. Spectrum analyzer setting parameters in accordance with section 8.3.
g. Repeat above procedures until all channels were measured.
h. Record the results in the test report.

Note:

1. For emissions above 1GHz, if peak level comply with average limit, then the average level is deemed to comply with average limit.
2. The frequency 2402MHz ,2440MHz and 2480MHz is fundamental frequency which no limit, the limit on plots is automatically generated by the software, it's not fundamental limit, we can't remove it.

8.5. Test Result

Radiated Emissions Below 1GHz

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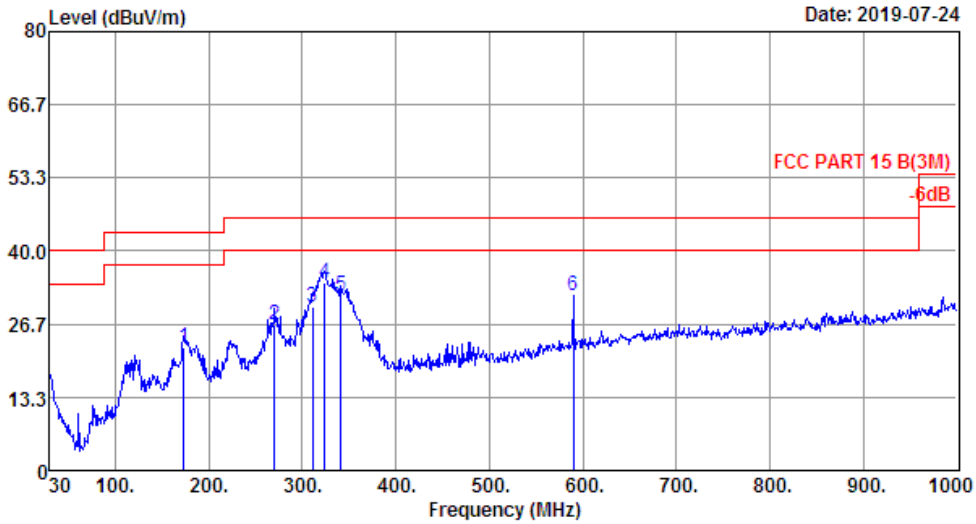
Data: 71 File: \\Emc-966-1\test data\2019\RF\C\ChaoSheng.EM6 (94)




```
Site no.       : 1# 966 Chamber              Data no.  : 71
Dis. / Ant.    : 3m   37062                  Ant. pol. : HORIZONTAL
Limit          : FCC PART 15 B(3M)
Env. / Ins.    : Temp:23.3';Humi:52%;Press:101.52kPa
Engineer       : Pablo
EUT            : All-in-one portable PA system
Power          : AC 120V/60Hz
M/N            : EON ONE COMPACT
Test Mode      : TX Mode
```

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	173.56	9.78	1.19	11.50	22.47	43.50	21.03	QP
2	270.56	12.88	1.73	11.92	26.53	46.00	19.47	QP
3	311.30	13.73	1.91	14.20	29.84	46.00	16.16	QP
4	323.91	14.24	1.94	18.00	34.18	46.00	11.82	QP
5	341.37	14.77	2.06	14.92	31.75	46.00	14.25	QP
6	589.69	20.30	2.95	8.54	31.79	46.00	14.21	QP

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

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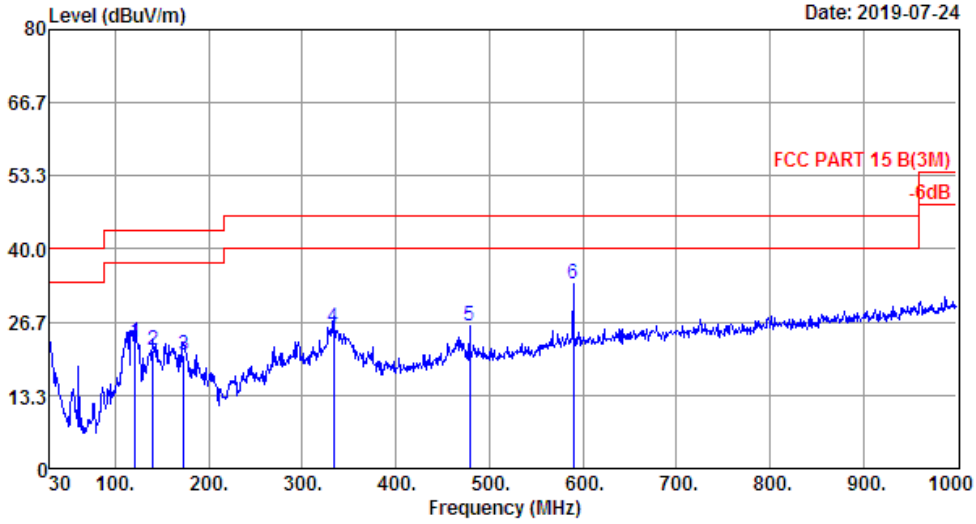
Data: 72 File: \\Emc-966-1\test data\2019\RF\C\ChaoSheng.EM6 (94)

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Dis. / Ant.   : 3m   37062                  Ant. pol. : VERTICAL
Limit         : FCC PART 15 B(3M)
Env. / Ins.   : Temp:23.3';Humi:52%;Press:101.52kPa
Engineer      : Pablo
EUT           : All-in-one portable PA system
Power         : AC 120V/60Hz
M/N           : EON ONE COMPACT
Test Mode     : TX Mode
```

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	121.18	11.34	0.94	10.69	22.97	43.50	20.53	QP
2	140.58	12.37	1.04	8.21	21.62	43.50	21.88	QP
3	173.56	9.78	1.19	9.65	20.62	43.50	22.88	QP
4	333.61	14.64	2.02	9.07	25.73	46.00	20.27	QP
5	479.11	17.88	2.63	5.32	25.83	46.00	20.17	QP
6	589.69	20.30	2.95	10.44	33.69	46.00	12.31	QP

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

Note:

1. The amplitude of 9KHz to 30MHz spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.
2. All channels had been pre-test,only the worst case was reported.

Radiated Emissions Above 1G

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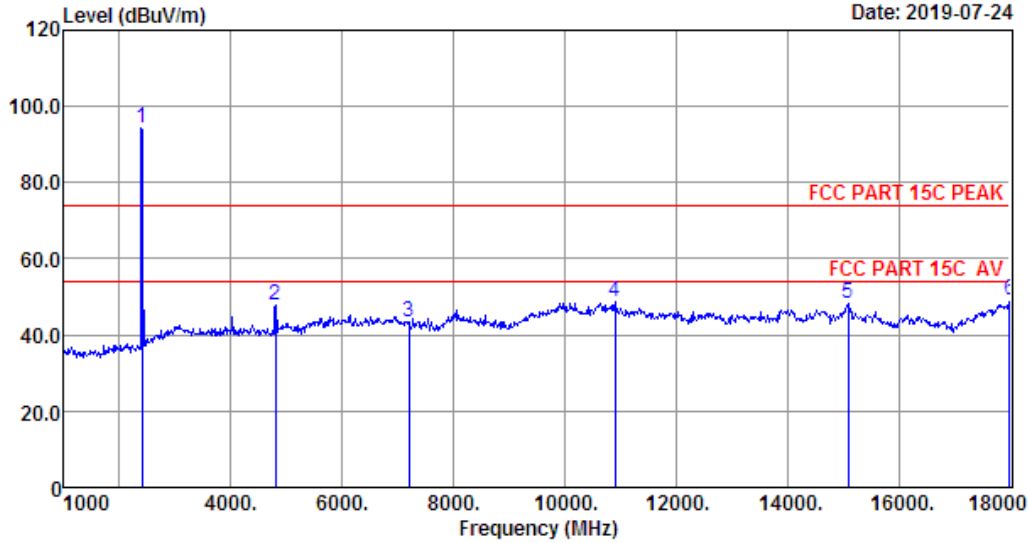
Data: 89 File: \\Emc-966-1\test data\2019\RF\C\ChaoSheng.EM6 (94)



Site no. : 1# 966 Chamber Data no. : 89
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.3';Humi:52%;Press:101.52kPa
Engineer : Pablo
EUT : All-in-one portable PA system
Power : AC 120V/60Hz
M/N : EON ONE COMPACT
Test Mode : GFSK TX 2402MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2402.00	27.26	1.45	34.64	100.26	94.33	74.00	-20.33	Peak
2	4804.00	31.12	3.25	34.66	48.21	47.92	74.00	26.08	Peak
3	7206.00	36.21	5.19	34.82	36.63	43.21	74.00	30.79	Peak
4	10911.00	39.82	6.09	34.47	37.38	48.82	74.00	25.18	Peak
5	15093.00	40.81	6.74	34.57	35.10	48.08	74.00	25.92	Peak
6	18000.00	48.90	8.24	34.30	26.18	49.02	74.00	24.98	Peak

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

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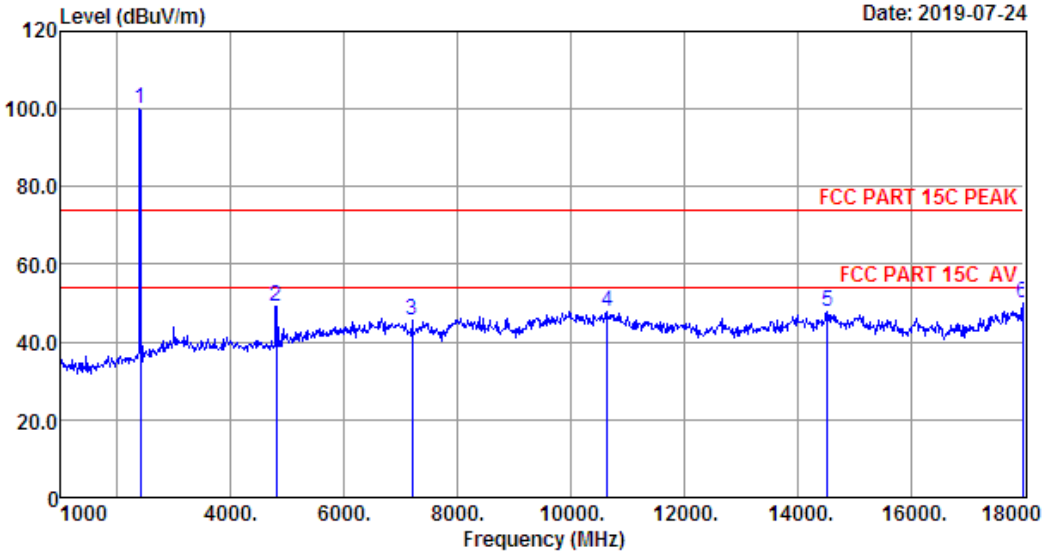
Data: 90 File: \\Emc-966-1\test data\2019\RF\C\ChaoSheng.EM6 (94)



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Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.3';Humi:52%;Press:101.52kPa
Engineer : Pablo
EUT : All-in-one portable PA system
Power : AC 120V/60Hz
M/N : EON ONE COMPACT
Test Mode : GFSK TX 2402MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2402.00	27.26	1.45	34.64	105.92	99.99	74.00	-25.99	Peak
2	4804.00	31.12	3.25	34.66	49.57	49.28	74.00	24.72	Peak
3	7206.00	36.21	5.19	34.82	38.94	45.52	74.00	28.48	Peak
4	10639.00	39.54	6.04	34.39	36.72	47.91	74.00	26.09	Peak
5	14532.00	40.99	6.89	34.46	34.33	47.75	74.00	26.25	Peak
6	17983.00	48.76	8.23	34.30	27.21	49.90	74.00	24.10	Peak

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

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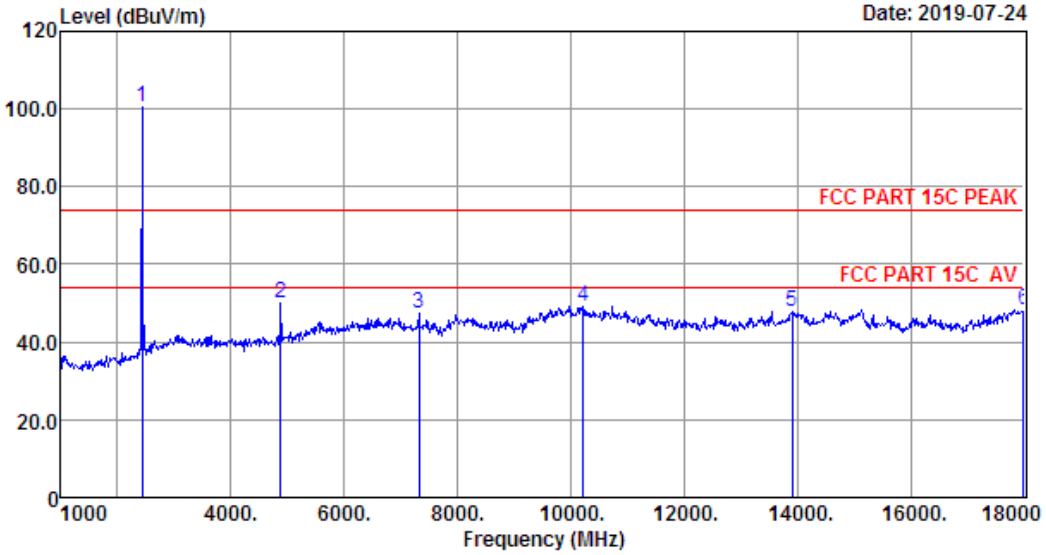
Data: 91 File: \\Emc-966-1\test data\2019\RF\C\ChaoSheng.EM6 (94)



Site no. : 1# 966 Chamber Data no. : 91
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.3';Humi:52%;Press:101.52kPa
Engineer : Pablo
EUT : All-in-one portable PA system
Power : AC 120V/60Hz
M/N : EON ONE COMPACT
Test Mode : GFSK TX 2440MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2440.00	27.33	1.47	34.62	106.46	100.64	74.00	-26.64	Peak
2	4880.00	31.37	3.31	34.68	49.82	49.82	74.00	24.18	Peak
3	7320.00	36.46	5.22	34.83	40.49	47.34	74.00	26.66	Peak
4	10214.00	39.12	5.95	34.27	38.42	49.22	74.00	24.78	Peak
5	13903.00	40.93	6.49	34.31	34.77	47.88	74.00	26.12	Peak
6	18000.00	48.90	8.24	34.30	25.57	48.41	74.00	25.59	Peak

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

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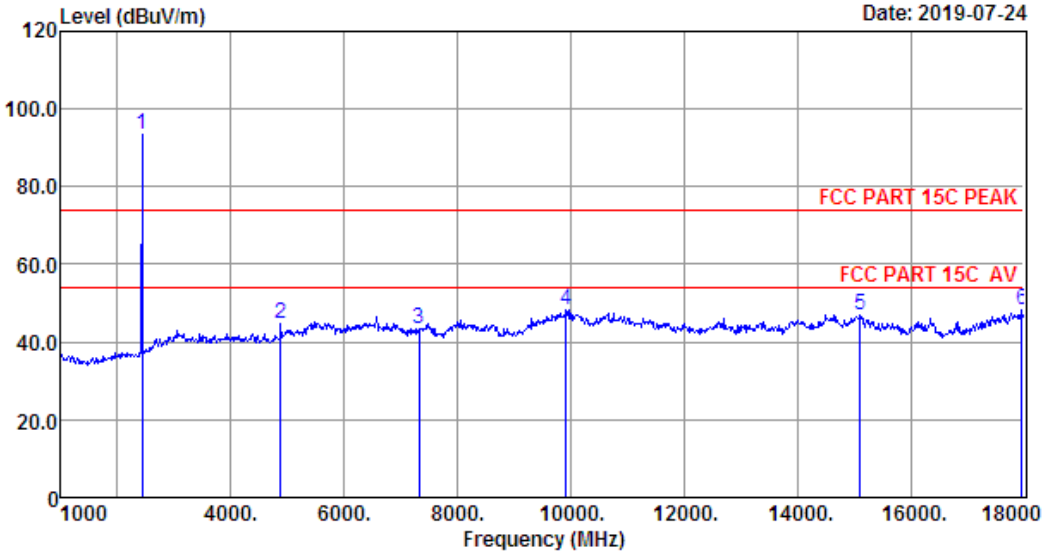
Data: 92 File: \\Emc-966-1\test data\2019\RF\C\ChaoSheng.EM6 (94)



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Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.3';Humi:52%;Press:101.52kPa
Engineer : Pablo
EUT : All-in-one portable PA system
Power : AC 120V/60Hz
M/N : EON ONE COMPACT
Test Mode : GFSK TX 2440MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2440.00	27.33	1.47	34.62	99.13	93.31	74.00	-19.31	Peak
2	4880.00	31.37	3.31	34.68	44.50	44.50	74.00	29.50	Peak
3	7320.00	36.46	5.22	34.83	36.57	43.42	74.00	30.58	Peak
4	9925.00	38.76	5.84	34.21	37.83	48.22	74.00	25.78	Peak
5	15110.00	40.79	6.73	34.56	34.00	46.96	74.00	27.04	Peak
6	17966.00	48.63	8.22	34.30	25.80	48.35	74.00	25.65	Peak

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

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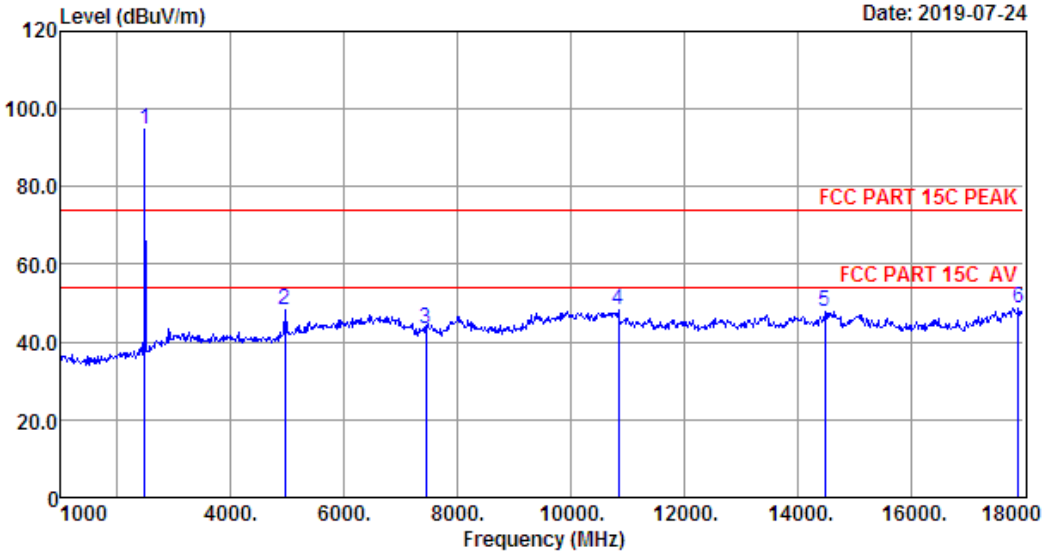
Data: 93 File: \\Emc-966-1\test data\2019\RF\C\ChaoSheng.EM6 (94)



Site no. : 1# 966 Chamber Data no. : 93
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.3';Humi:52%;Press:101.52kPa
Engineer : Pablo
EUT : All-in-one portable PA system
Power : AC 120V/60Hz
M/N : EON ONE COMPACT
Test Mode : GFSK TX 2480MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.00	27.38	1.48	34.61	100.61	94.86	74.00	-20.86	Peak
2	4960.00	31.68	3.38	34.69	48.02	48.39	74.00	25.61	Peak
3	7440.00	36.70	5.26	34.84	36.29	43.41	74.00	30.59	Peak
4	10843.00	39.75	6.08	34.45	36.74	48.12	74.00	25.88	Peak
5	14481.00	41.01	6.89	34.44	34.43	47.89	74.00	26.11	Peak
6	17898.00	48.09	8.17	34.31	26.77	48.72	74.00	25.28	Peak

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

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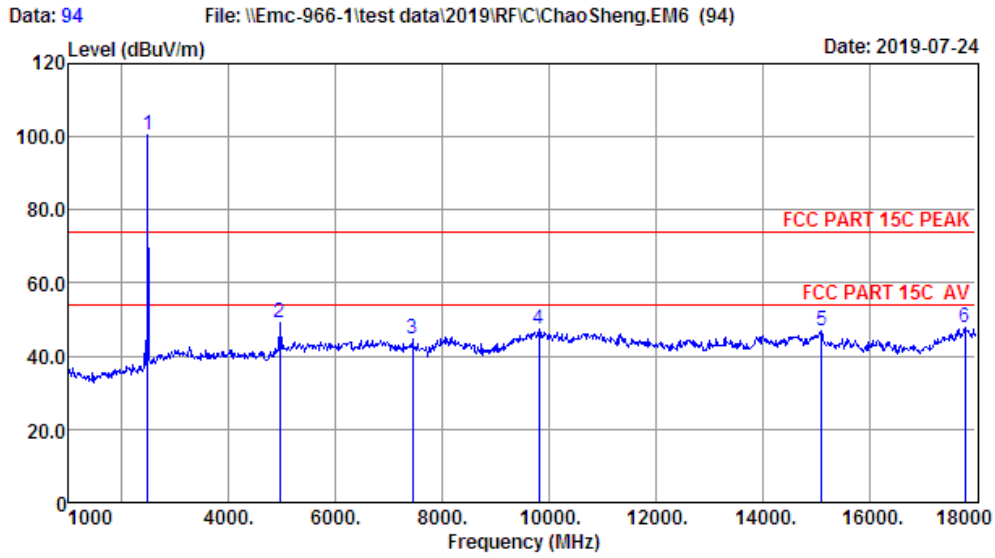


```
Site no.      : 1# 966 Chamber              Data no.  : 94
Dis. / Ant.   : 3m   ANT9120D 1-18G         Ant. pol. : VERTICAL
Limit         : FCC PART 15C PEAK
Env. / Ins.   : Temp:23.3';Humi:52%;Press:101.52kPa
Engineer      : Pablo
EUT           : All-in-one portable PA system
Power         : AC 120V/60Hz
M/N           : EON ONE COMPACT
Test Mode     : GFSK TX 2480MHz
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.00	27.38	1.48	34.61	106.42	100.67	74.00	-26.67	Peak
2	4960.00	31.68	3.38	34.69	48.97	49.34	74.00	24.66	Peak
3	7440.00	36.70	5.26	34.84	37.52	44.64	74.00	29.36	Peak
4	9806.00	38.52	5.74	34.24	37.52	47.54	74.00	26.46	Peak
5	15110.00	40.79	6.73	34.56	33.99	46.95	74.00	27.05	Peak
6	17796.00	47.27	8.11	34.32	26.58	47.64	74.00	26.36	Peak

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

Note:

1. The amplitude of 18GHz to 25GHz spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

Radiated Band Edge

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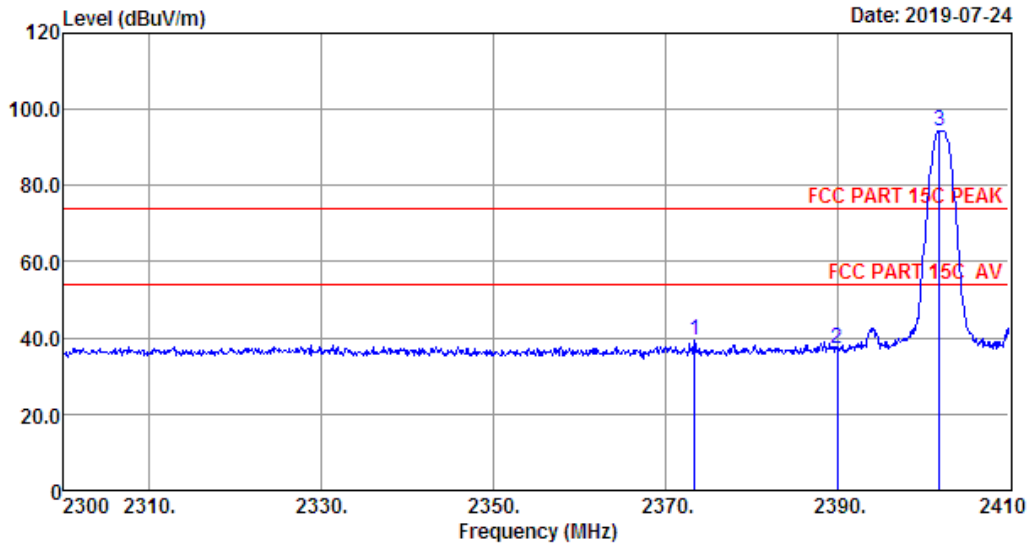
Data: 85 File: \\Emc-966-1\test data\2019\RF\C\ChaoSheng.EM6 (94)




```
Site no.      : 1# 966 Chamber              Data no.  : 85
Dis. / Ant.   : 3m   ANT9120D 1-18G         Ant. pol. : HORIZONTAL
Limit         : FCC PART 15C PEAK
Env. / Ins.   : Temp:23.3';Humi:52%;Press:101.52kPa
Engineer      : Pablo
EUT           : All-in-one portable PA system
Power         : AC 120V/60Hz
M/N           : EON ONE COMPACT
Test Mode     : GFSK TX 2402MHz
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2373.37	27.23	1.44	34.65	45.30	39.32	74.00	34.68	Peak
2	2390.00	27.26	1.45	34.64	43.27	37.34	74.00	36.66	Peak
3	2401.86	27.26	1.45	34.64	100.29	94.36	74.00	-20.36	Peak

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

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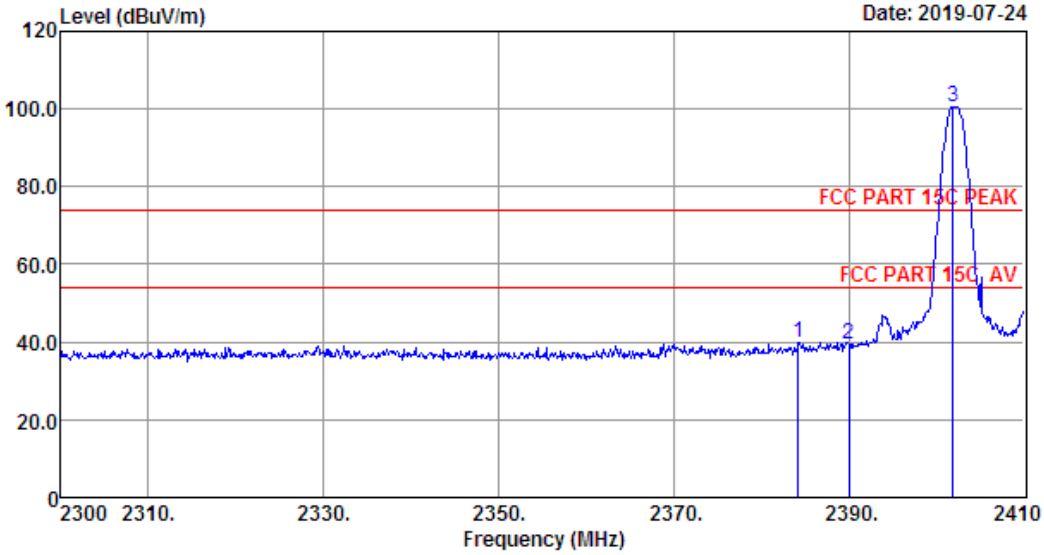
Data: 86 File: \\Emc-966-1\test data\2019\RF\C\ChaoSheng.EM6 (94)



Site no. : 1# 966 Chamber Data no. : 86
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.3';Humi:52%;Press:101.52kPa
Engineer : Pablo
EUT : All-in-one portable PA system
Power : AC 120V/60Hz
M/N : EON ONE COMPACT
Test Mode : GFSK TX 2402MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2384.26	27.23	1.44	34.65	45.82	39.84	74.00	34.16	Peak
2	2390.00	27.26	1.45	34.64	45.37	39.44	74.00	34.56	Peak
3	2401.86	27.26	1.45	34.64	106.43	100.50	74.00	-26.50	Peak

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

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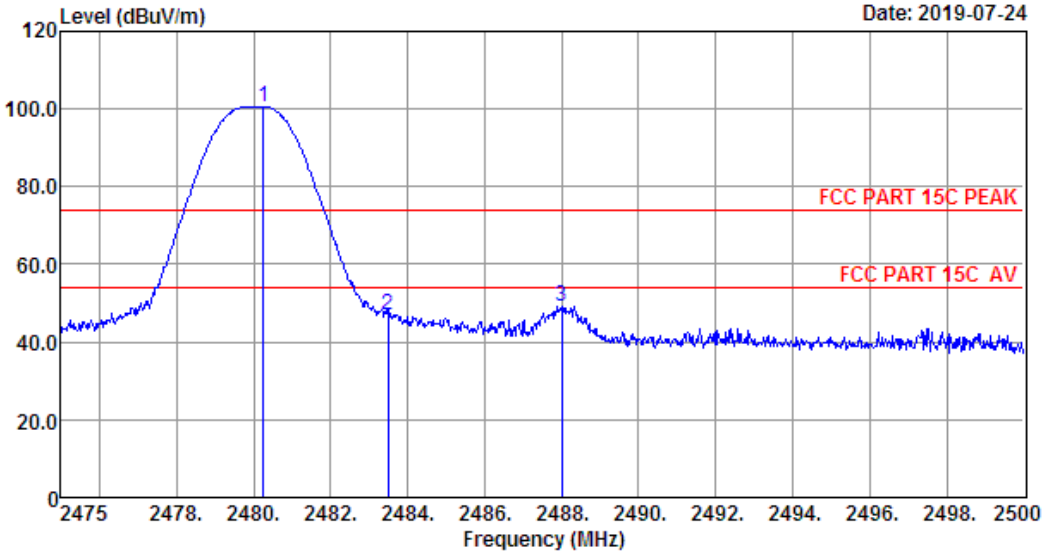
Data: 87 File: \\Emc-966-1\test data\2019\RF\C\ChaoSheng.EM6 (94)



Site no. : 1# 966 Chamber Data no. : 87
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.3';Humi:52%;Press:101.52kPa
Engineer : Pablo
EUT : All-in-one portable PA system
Power : AC 120V/60Hz
M/N : EON ONE COMPACT
Test Mode : GFSK TX 2480MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.25	27.38	1.48	34.61	106.34	100.59	74.00	-26.59	Peak
2	2483.50	27.38	1.48	34.61	52.75	47.00	74.00	27.00	Peak
3	2488.00	27.40	1.49	34.60	55.00	49.29	74.00	24.71	Peak

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

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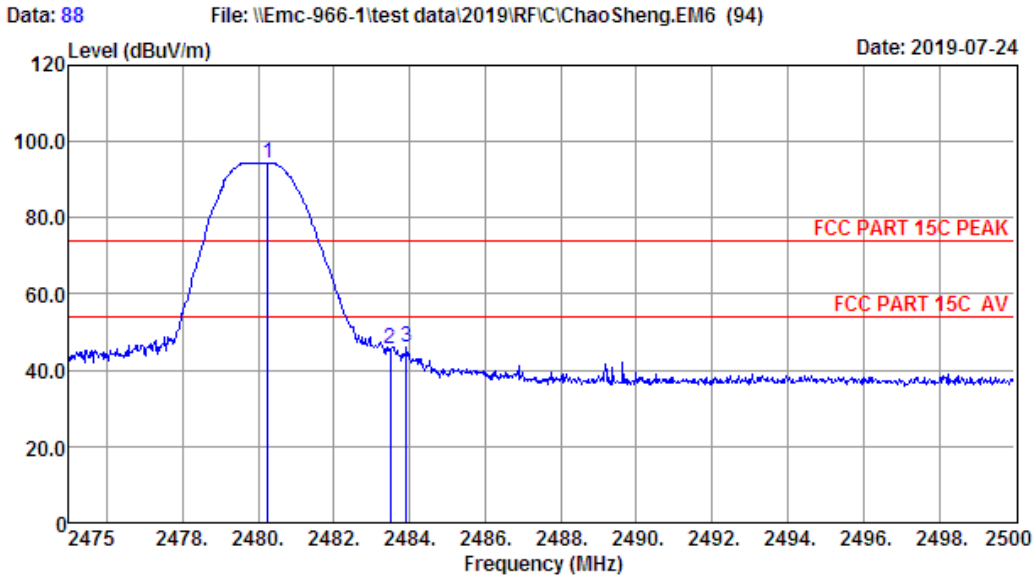



```
Site no.      : 1# 966 Chamber              Data no.  : 88
Dis. / Ant.   : 3m   ANT9120D 1-18G         Ant. pol. : HORIZONTAL
Limit         : FCC PART 15C PEAK
Env. / Ins.   : Temp:23.3';Humi:52%;Press:101.52kPa
Engineer      : Pablo
EUT           : All-in-one portable PA system
Power         : AC 120V/60Hz
M/N           : EON ONE COMPACT
Test Mode     : GFSK TX 2480MHz
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.25	27.38	1.48	34.61	100.27	94.52	74.00	-20.52	Peak
2	2483.50	27.38	1.48	34.61	51.45	45.70	74.00	28.30	Peak
3	2483.93	27.38	1.48	34.61	51.65	45.90	74.00	28.10	Peak

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

Note:

1. All channels had been pre-test,only of the worst case channels were reported.

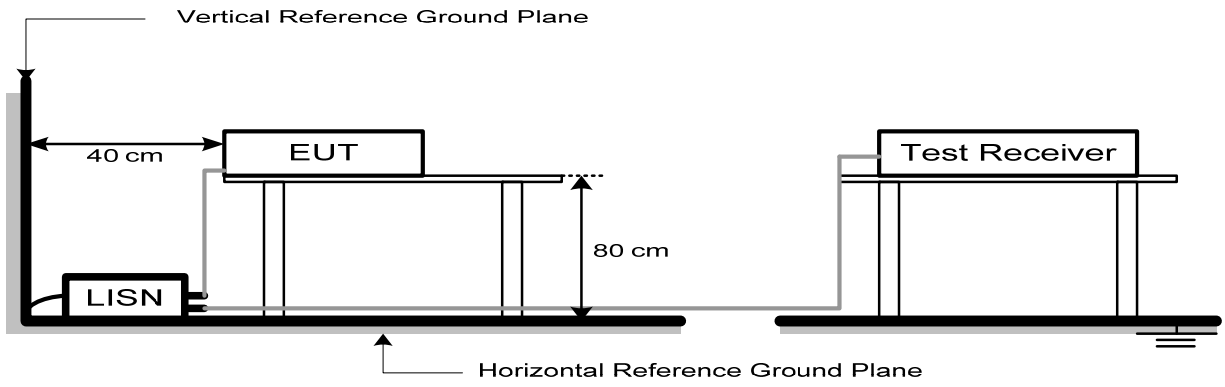
9. AC POWER LINE CONDUCTED EMISSIONS

9.1. Limit

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

Note:
1. * Decreasing linearly with logarithm of frequency.
2. The lower limit shall apply at the transition frequencies.

9.2. Test Setup



9.3. Spectrum Analyzer Setting

Spectrum Parameters	Setting
RBW	9KHz
VBW	9KHz
Start frequency	150KHz
Stop frequency	30MHz
Sweep Time	Auto
Detector	QP/AVG
Trace Mode	Max Hold

9.4. Test Procedure

a. The EUT was placed on a non-metallic table, 80cm above the ground plane.
b. The EUT Power connected to the power mains through a line impedance stabilization network.
c. Provides a 50 ohm coupling impedance for the EUT (Please refer the block diagram of the test setup and photographs).
d. Set the EUT transmit continuously with maximum output power.
e. Spectrum analyzer setting parameters in accordance with section 9.3.
f. The AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.10: 2013 on Conducted Emission Test.
g. Record the results in the test report.

9.5. Test Result

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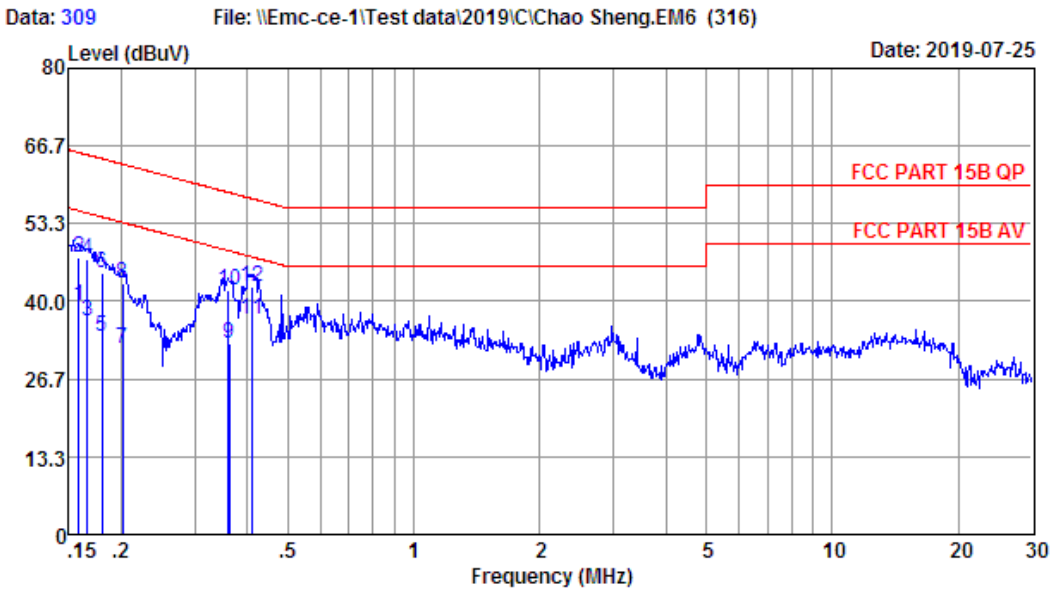

Site no : 844 Shield Room Data no. : 309
Env. / Ins. : Temp:24.0'C Humi:55% Press:101.50kPa LINE Phase : NEUTRAL
Limit : FCC PART 15B QP
Engineer : Viking
EUT : All-in-one portable PA system
Power : AC 120V/60Hz
M/N : EON ONE COMPACT
Test Mode : TX Mode

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuv)	Limits (dBuv)	Margin (dB)	Remark
1	0.16	9.62	9.69	20.02	39.33	55.56	16.23	Average
2	0.16	9.62	9.69	28.20	47.51	65.56	18.05	QP
3	0.17	9.62	9.69	17.20	36.51	55.16	18.65	Average
4	0.17	9.62	9.69	27.84	47.15	65.16	18.01	QP
5	0.18	9.69	9.77	14.43	33.89	54.50	20.61	Average
6	0.18	9.69	9.77	25.55	45.01	64.50	19.49	QP
7	0.20	9.69	9.77	12.43	31.89	53.54	21.65	Average
8	0.20	9.69	9.77	23.75	43.21	63.54	20.33	QP
9	0.36	9.75	9.92	13.10	32.77	48.69	15.92	Average
10	0.36	9.75	9.92	22.29	41.96	58.69	16.73	QP
11	0.41	9.76	9.92	17.13	36.81	47.64	10.83	Average
12	0.41	9.76	9.92	22.96	42.64	57.64	15.00	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. If the average limit is met when useing a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.

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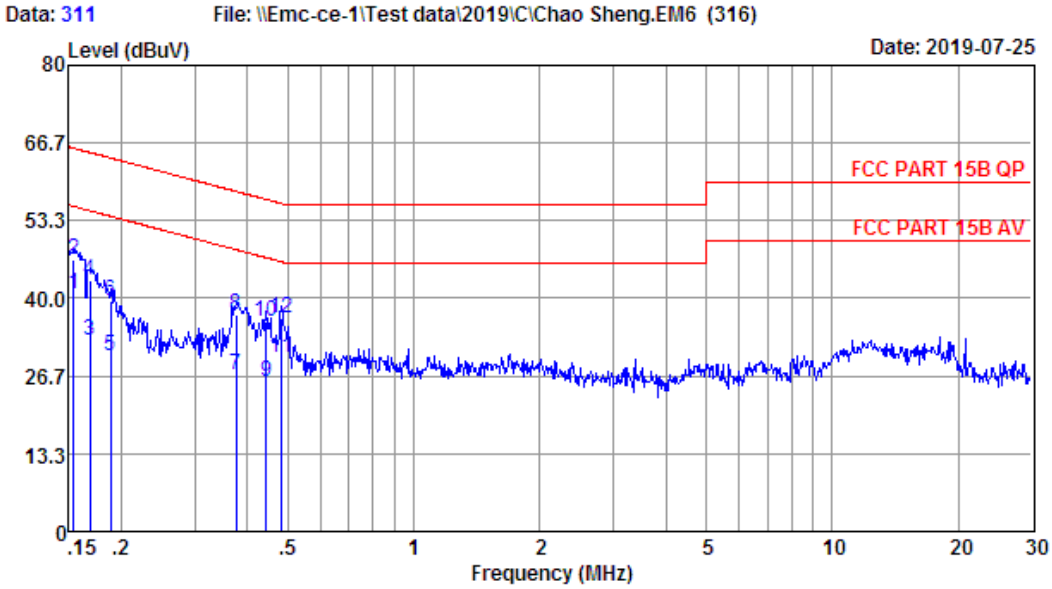

Site no : 844 Shield Room Data no. : 311
Env. / Ins. : Temp:24.0'C Humi:55% Press:101.50kPa LINE Phase : LINE
Limit : FCC PART 15B QP
Engineer : Viking
EUT : All-in-one portable PA system
Power : AC 120V/60Hz
M/N : EON ONE COMPACT
Test Mode : TX Mode

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuv)	Limits (dBuv)	Margin (dB)	Remark
1	0.15	9.79	9.69	21.20	40.68	55.78	15.10	Average
2	0.15	9.79	9.69	27.07	46.55	65.78	19.23	QP
3	0.17	9.79	9.69	13.20	32.68	55.03	22.35	Average
4	0.17	9.79	9.69	23.65	43.13	65.03	21.90	QP
5	0.19	9.80	9.77	10.43	30.00	54.11	24.11	Average
6	0.19	9.80	9.77	19.94	39.51	64.11	24.60	QP
7	0.38	9.76	9.92	7.10	26.78	48.34	21.56	Average
8	0.38	9.76	9.92	17.64	37.32	58.34	21.02	QP
9	0.44	9.91	9.92	5.87	25.70	46.98	21.28	Average
10	0.44	9.91	9.92	16.07	35.90	56.98	21.08	QP
11	0.48	9.95	9.92	10.07	29.94	46.27	16.33	Average
12	0.48	9.95	9.92	16.79	36.66	56.27	19.61	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. If the average limit is met when useing a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.

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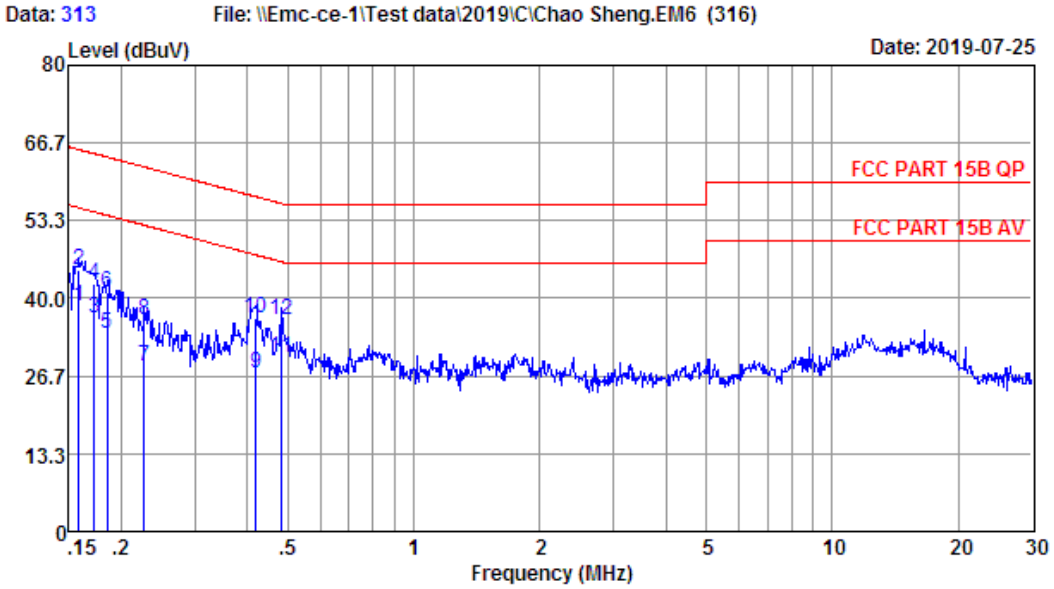

Site no : 844 Shield Room Data no. : 313
Env. / Ins. : Temp:24.0'C Humi:55% Press:101.50kPa LINE Phase : LINE
Limit : FCC PART 15B QP
Engineer : Viking
EUT : All-in-one portable PA system
Power : AC 240V/60Hz
M/N : EON ONE COMPACT
Test Mode : TX Mode

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuv)	Limits (dBuv)	Margin (dB)	Remark
1	0.16	9.79	9.69	19.20	38.68	55.56	16.88	Average
2	0.16	9.79	9.69	25.31	44.79	65.56	20.77	QP
3	0.17	9.79	9.69	17.20	36.68	54.86	18.18	Average
4	0.17	9.79	9.69	22.93	42.41	64.86	22.45	QP
5	0.19	9.80	9.77	14.43	34.00	54.24	20.24	Average
6	0.19	9.80	9.77	21.50	41.07	64.24	23.17	QP
7	0.23	9.75	9.84	8.67	28.26	52.57	24.31	Average
8	0.23	9.75	9.84	16.76	36.35	62.57	26.22	QP
9	0.42	9.88	9.92	7.50	27.30	47.46	20.16	Average
10	0.42	9.88	9.92	16.74	36.54	57.46	20.92	QP
11	0.48	9.95	9.92	10.07	29.94	46.27	16.33	Average
12	0.48	9.95	9.92	16.37	36.24	56.27	20.03	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. If the average limit is met when useing a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.

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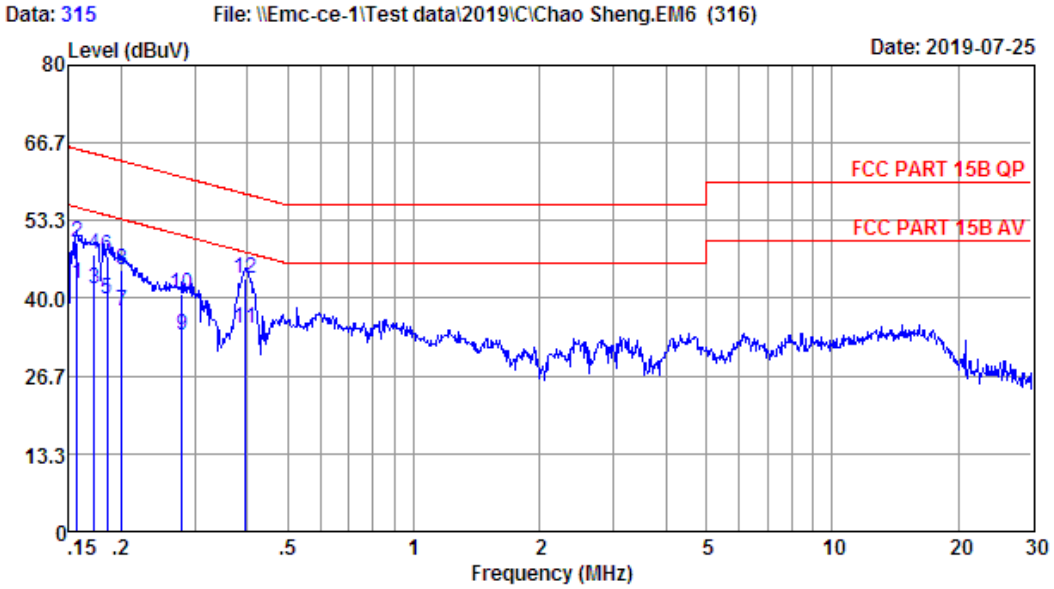


Site no : 844 Shield Room Data no. : 315
Env. / Ins. : Temp:24.0'C Humi:55% Press:101.50kPa LINE Phase : NEUTRAL
Limit : FCC PART 15B QP
Engineer : Viking
EUT : All-in-one portable PA system
Power : AC 240V/60Hz
M/N : EON ONE COMPACT
Test Mode : TX Mode

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuv)	Limits (dBuv)	Margin (dB)	Remark
1	0.16	9.62	9.69	23.20	42.51	55.65	13.14	Average
2	0.16	9.62	9.69	30.30	49.61	65.65	16.04	QP
3	0.17	9.62	9.69	22.20	41.51	54.86	13.35	Average
4	0.17	9.62	9.69	28.32	47.63	64.86	17.23	QP
5	0.19	9.69	9.77	20.43	39.89	54.24	14.35	Average
6	0.19	9.69	9.77	27.85	47.31	64.24	16.93	QP
7	0.20	9.69	9.77	18.43	37.89	53.58	15.69	Average
8	0.20	9.69	9.77	25.37	44.83	63.58	18.75	QP
9	0.28	9.72	9.92	14.10	33.74	50.85	17.11	Average
10	0.28	9.72	9.92	21.09	40.73	60.85	20.12	QP
11	0.40	9.76	9.92	15.13	34.81	47.95	13.14	Average
12	0.40	9.76	9.92	23.62	43.30	57.95	14.65	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. If the average limit is met when useing a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.

10. ANTENNA REQUIREMENTS

10.1. Limit

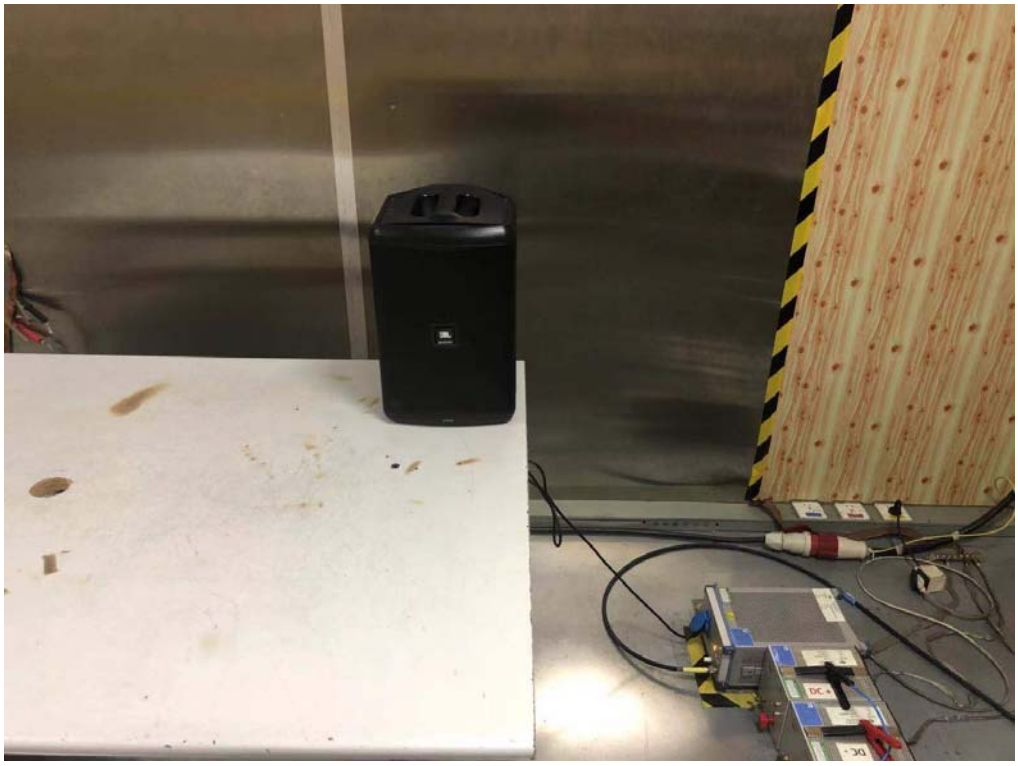
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§15.211, 15.213, 15.217, 15.219, 15.221, or §15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

10.2. Test Result

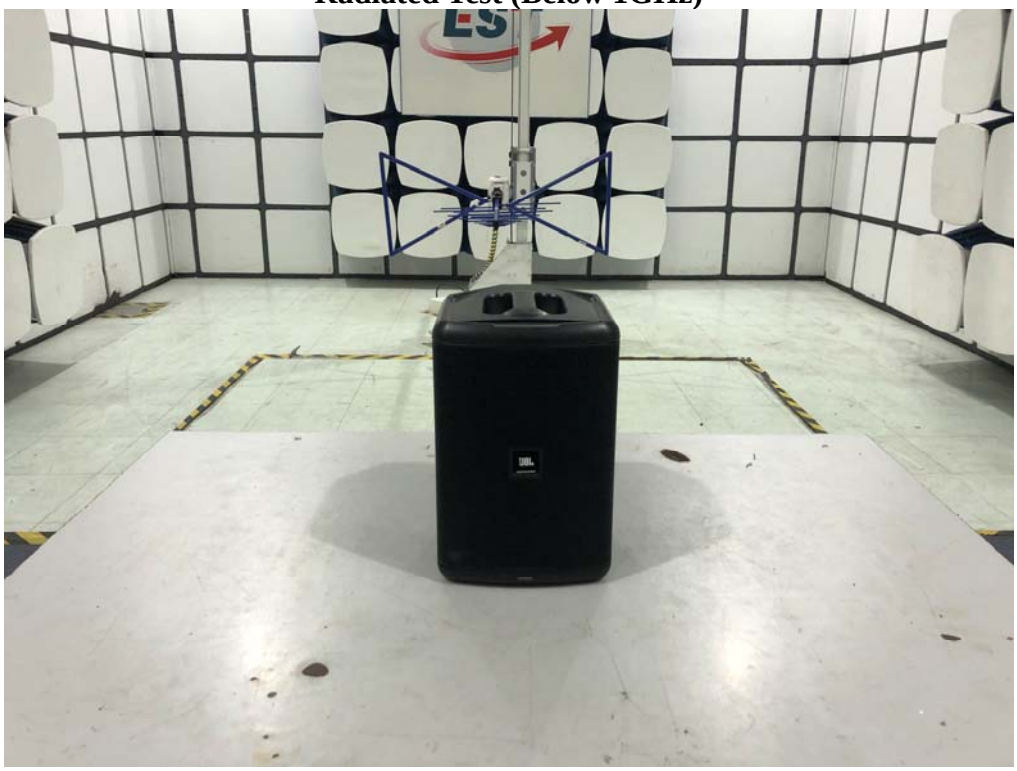
The antennas used for this product is internal antenna ,so compliance with antenna requirements.
(Please refer to the EUT photo for details)

11. TEST SETUP PHOTO

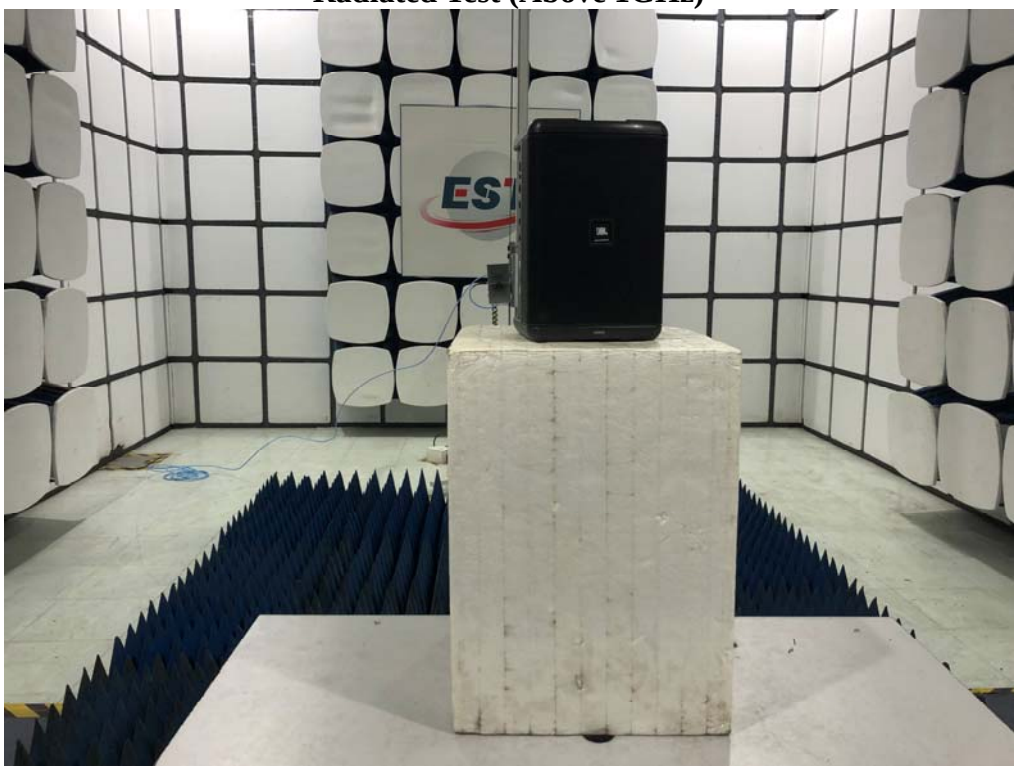
Conducted Test



Radiated Test (Below 1GHz)



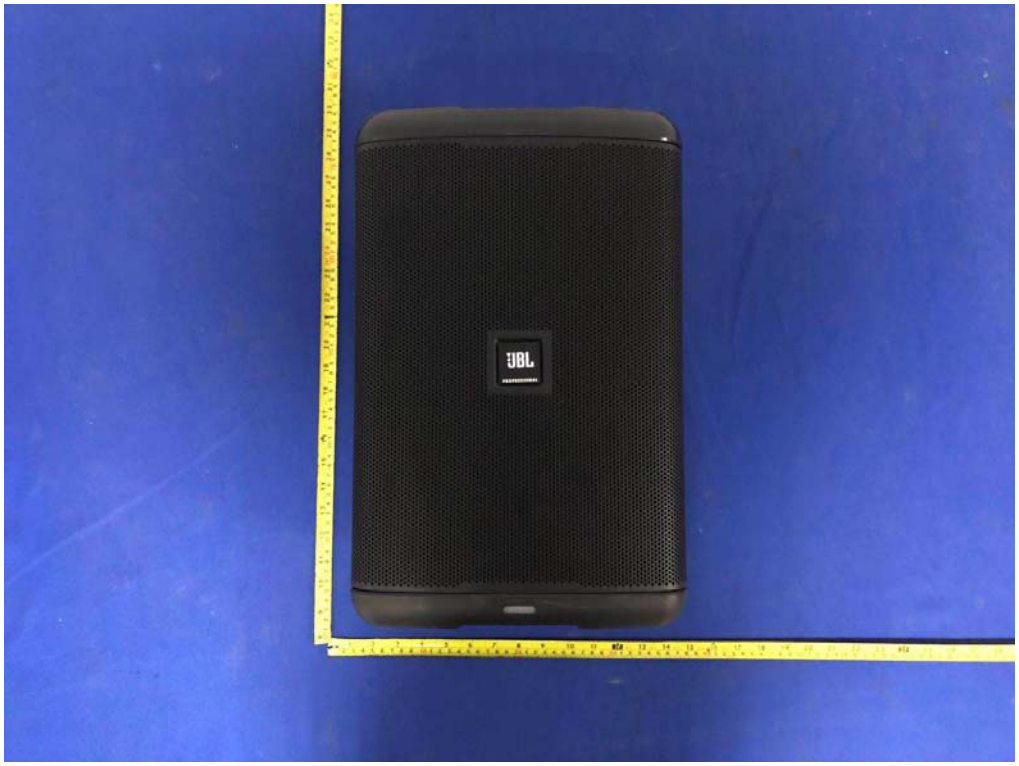
Radiated Test (Above 1GHz)



12. PHOTO EUT

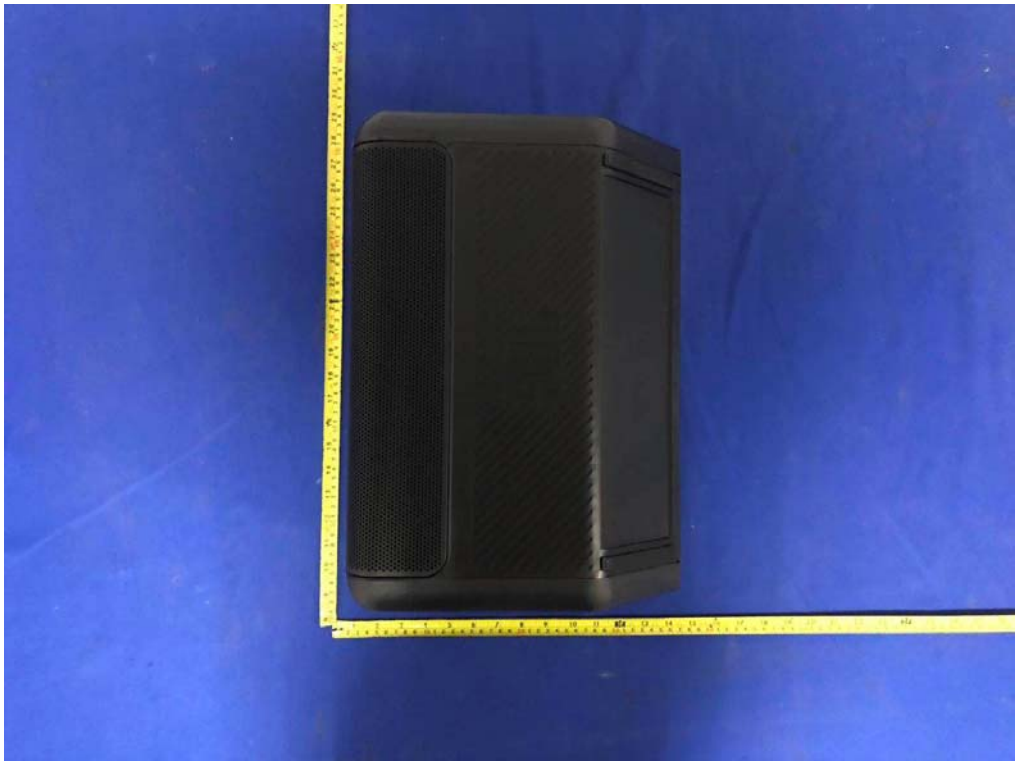
External Photos

M/N: EON ONE COMPACT



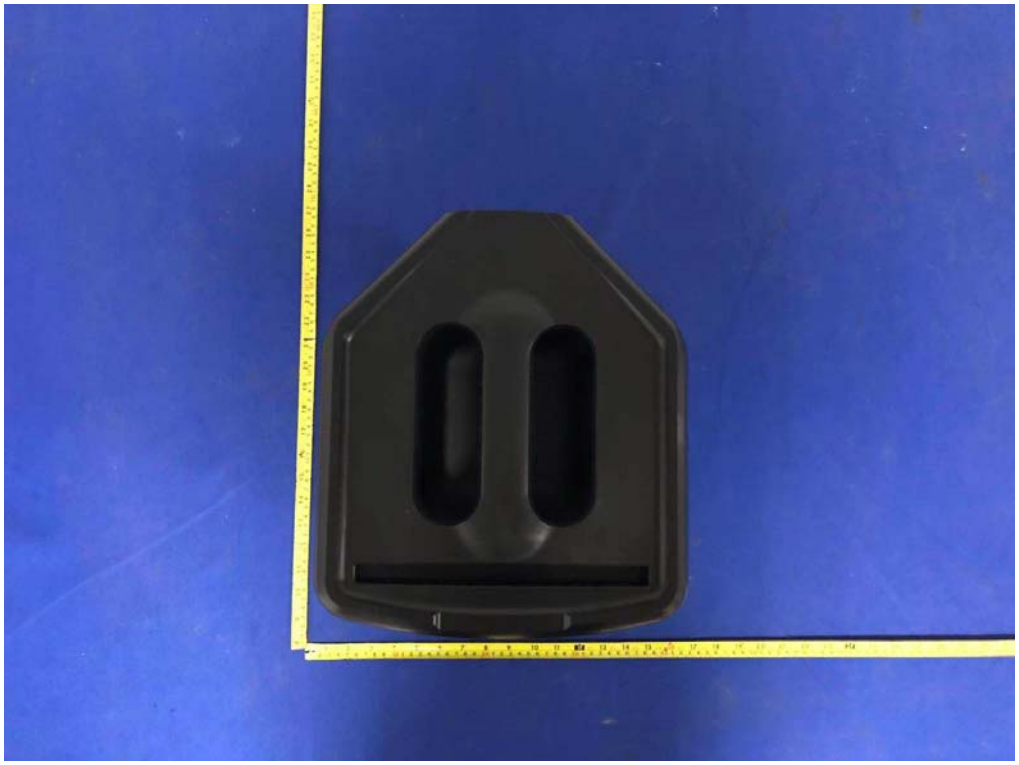
External Photos

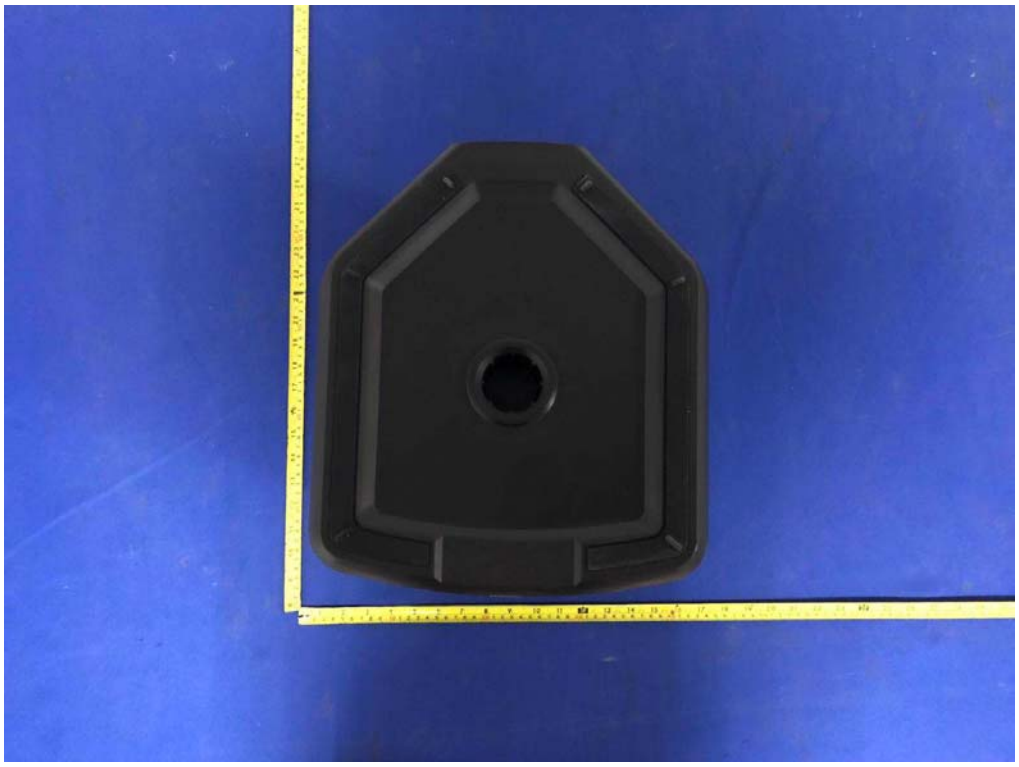
M/N: EON ONE COMPACT



External Photos

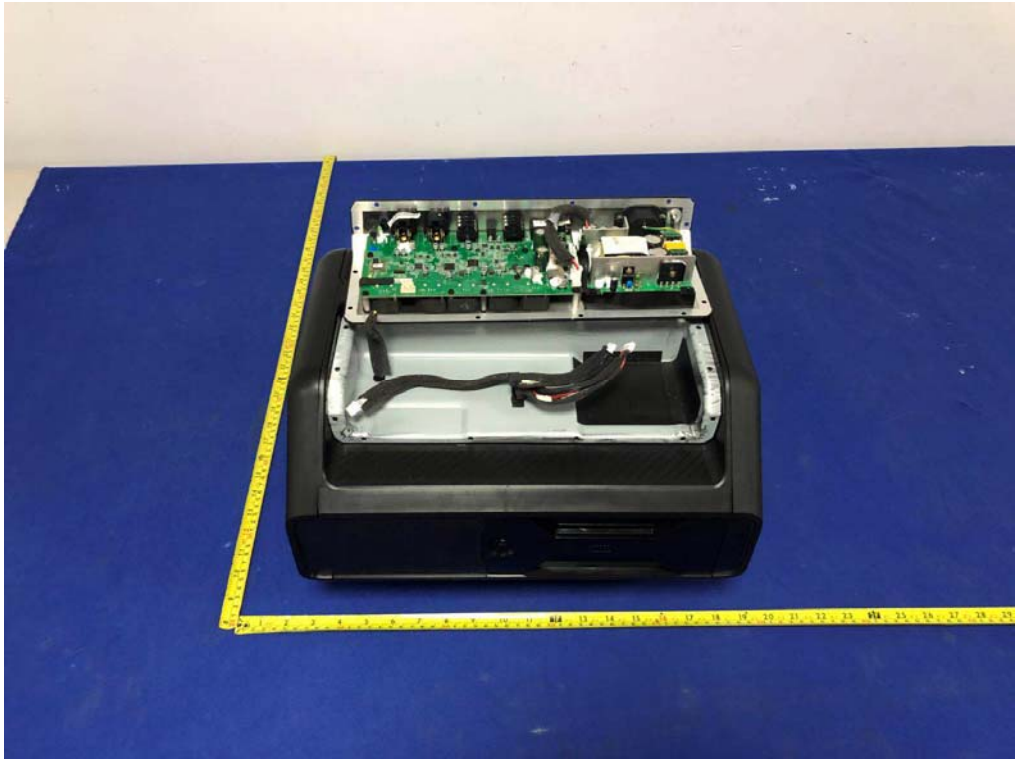
M/N: EON ONE COMPACT

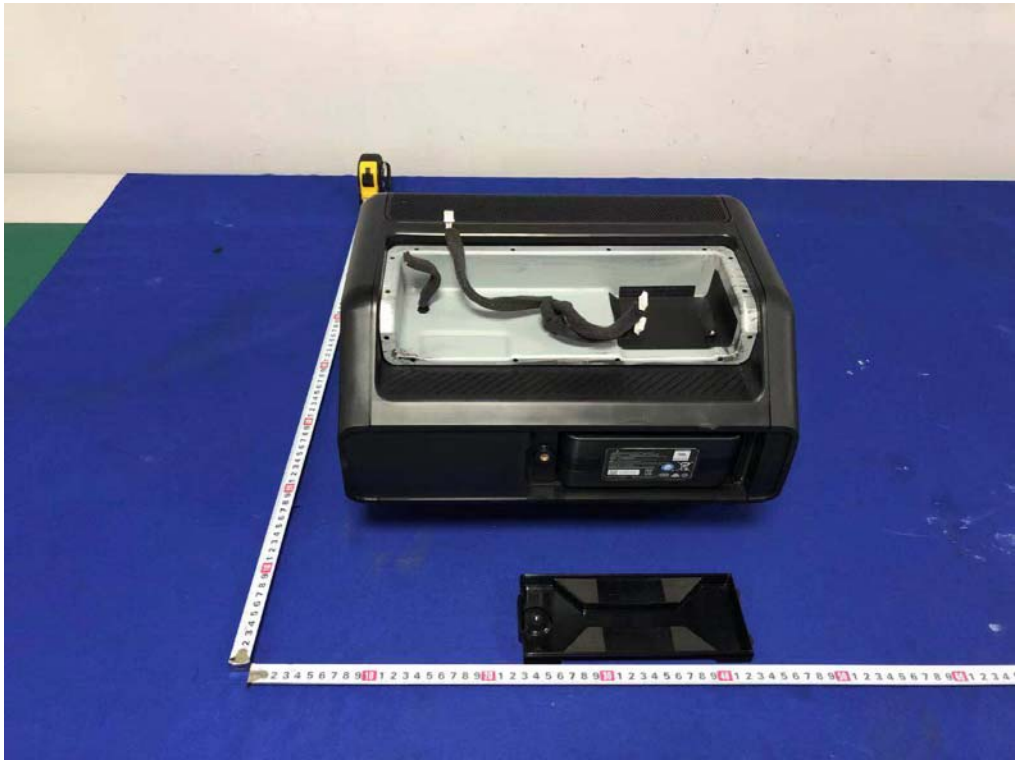




Internal Photos

M/N: EON ONE COMPACT





Internal Photos

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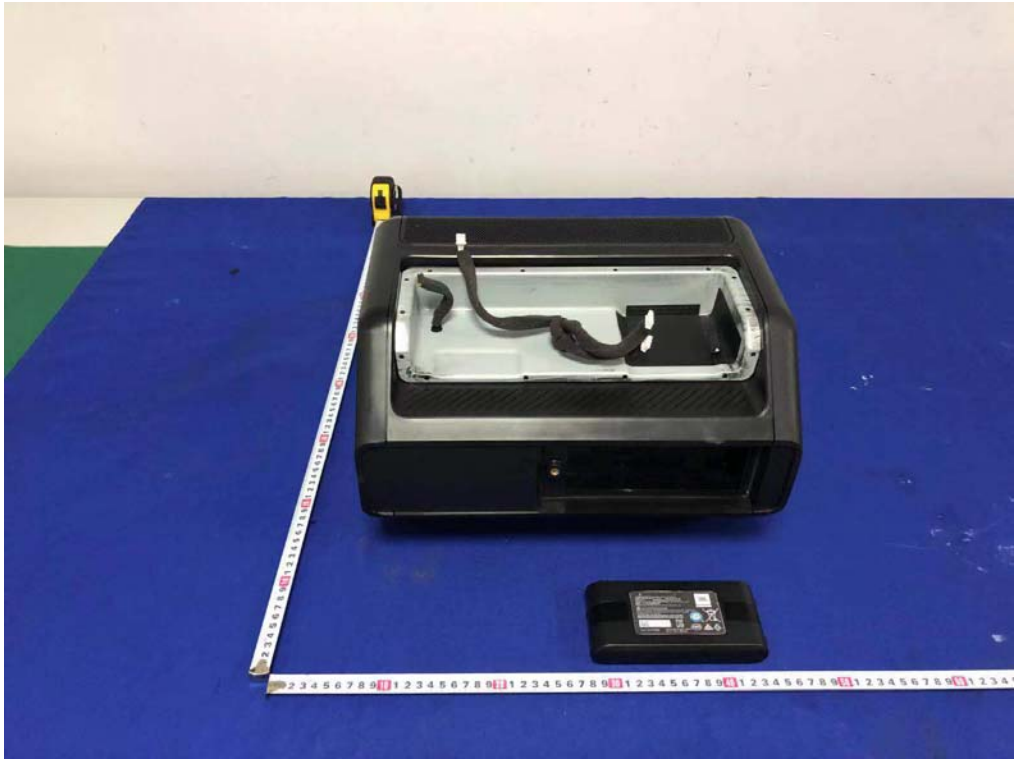

Internal Photos

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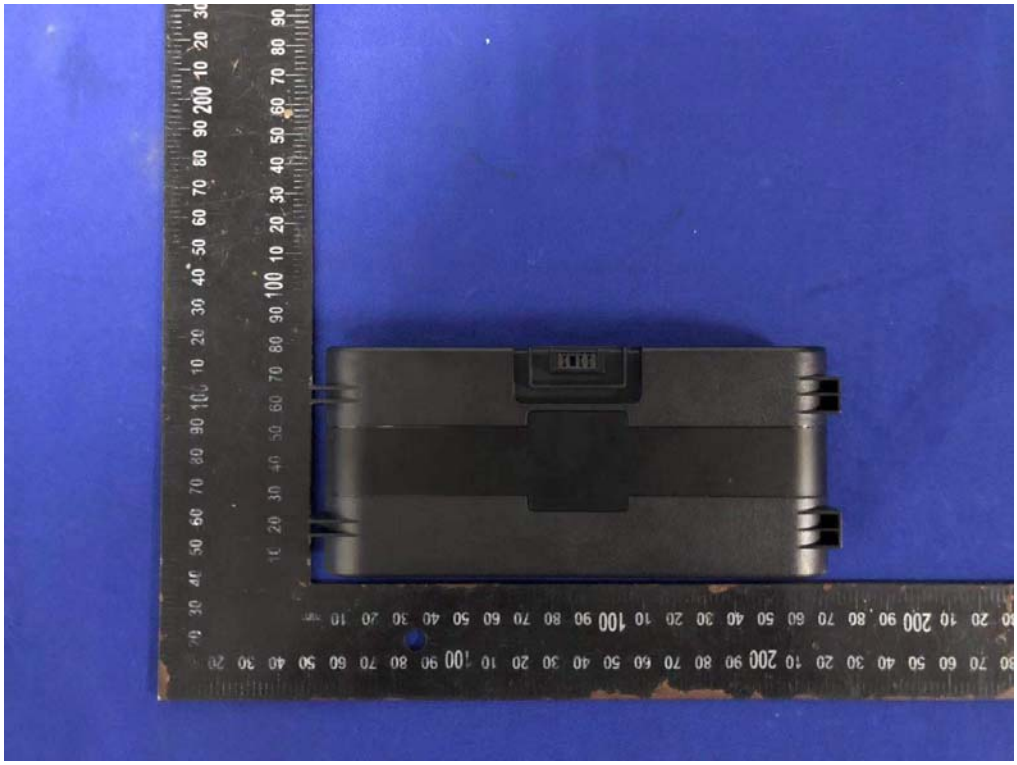

Internal Photos

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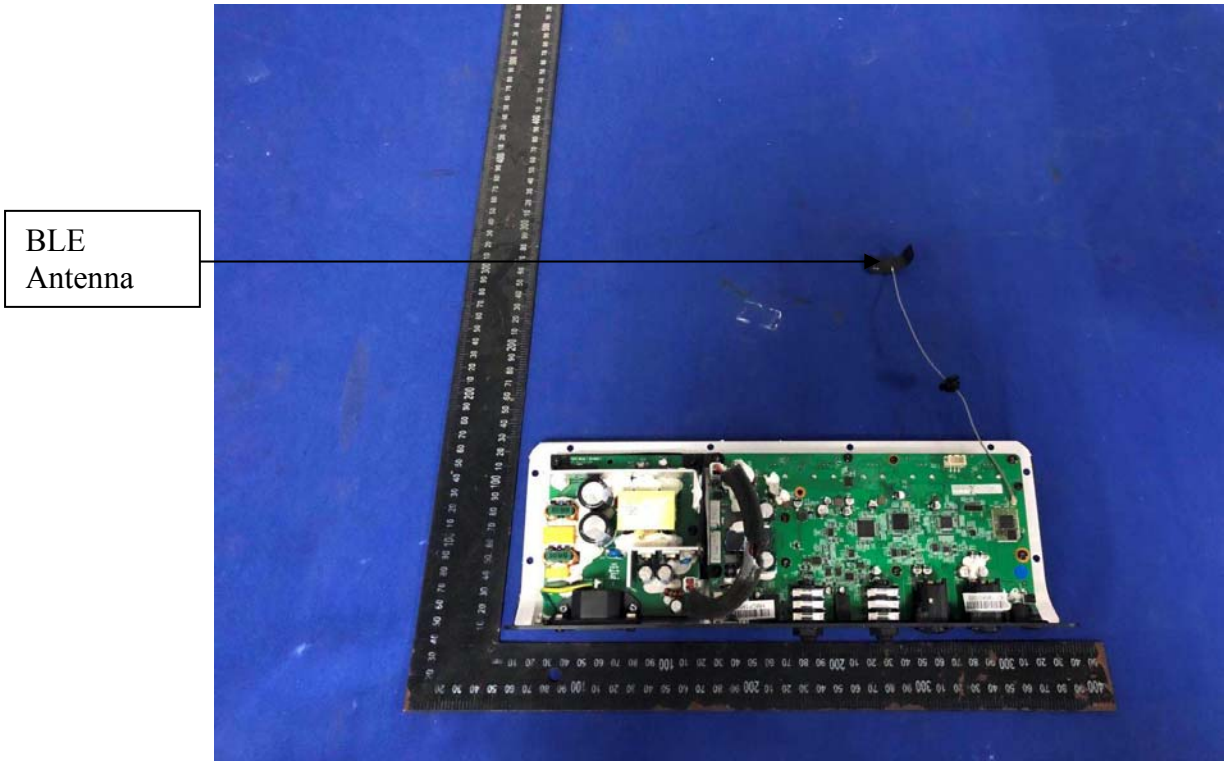

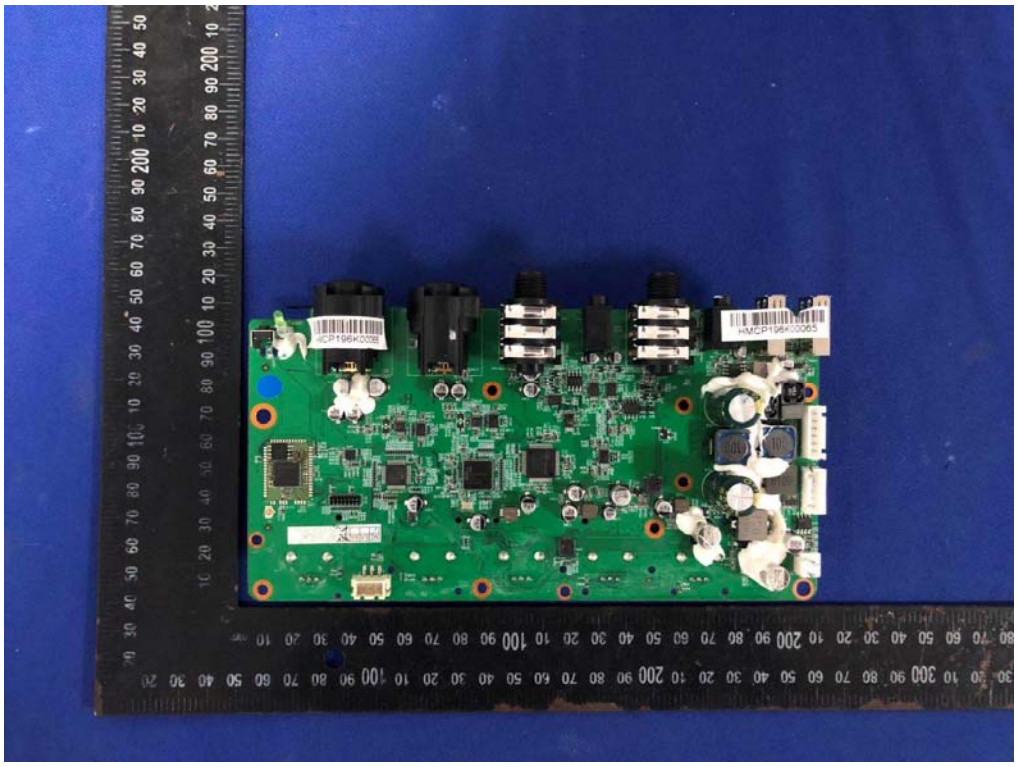

Internal Photos

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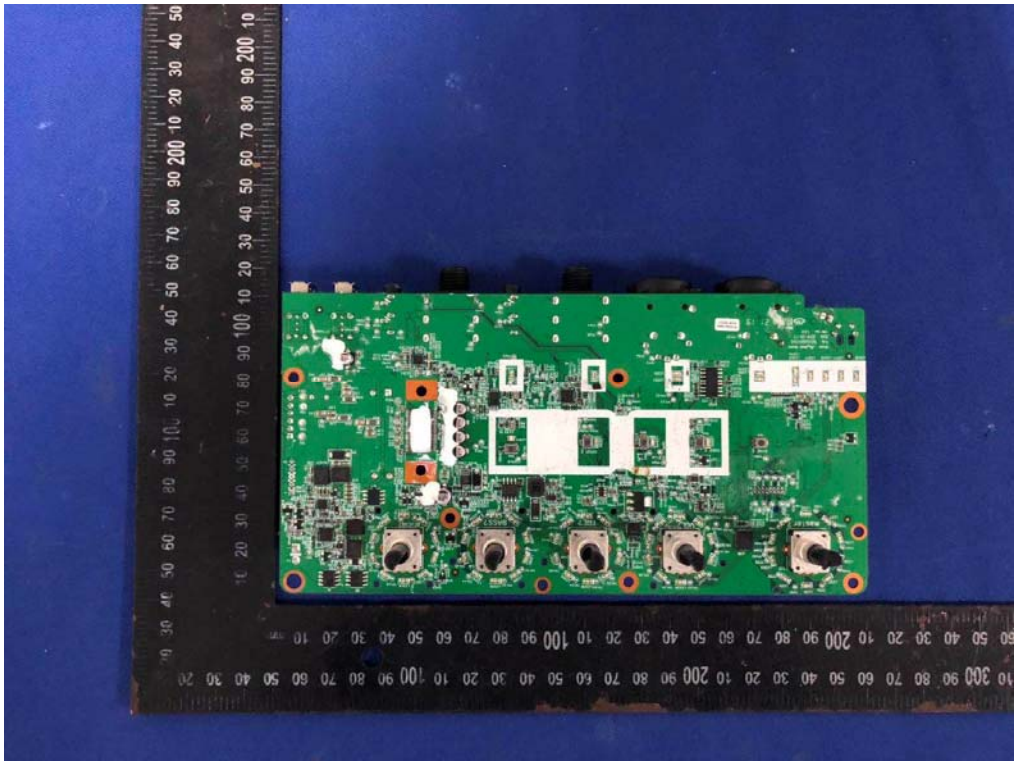

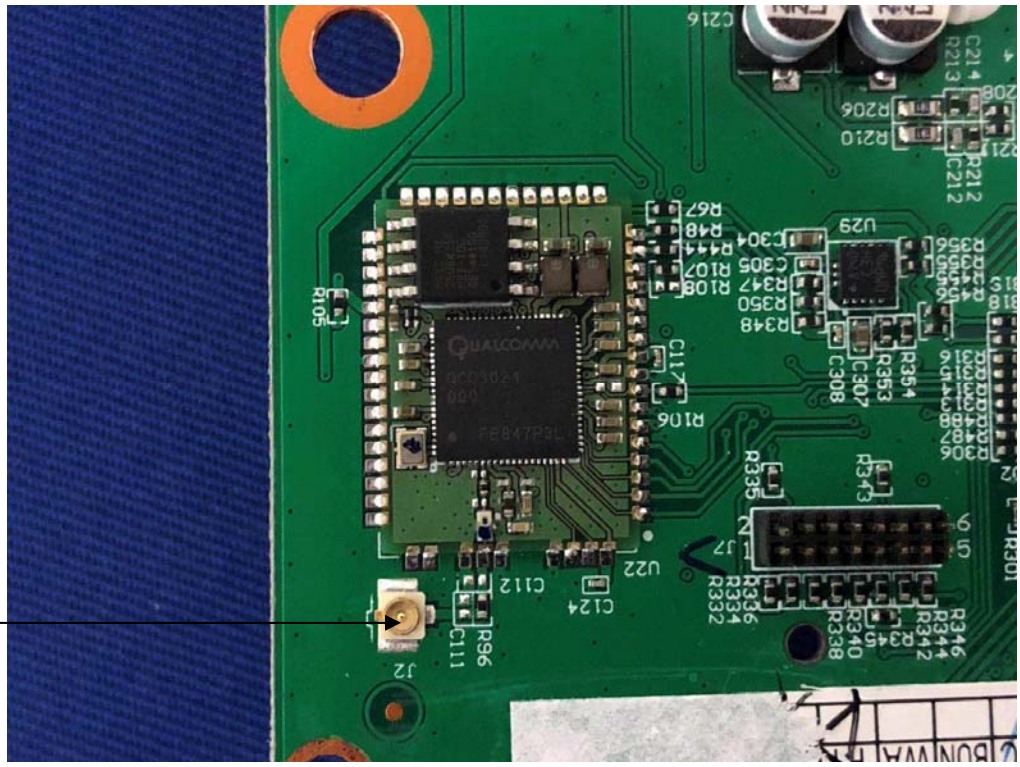

Internal Photos

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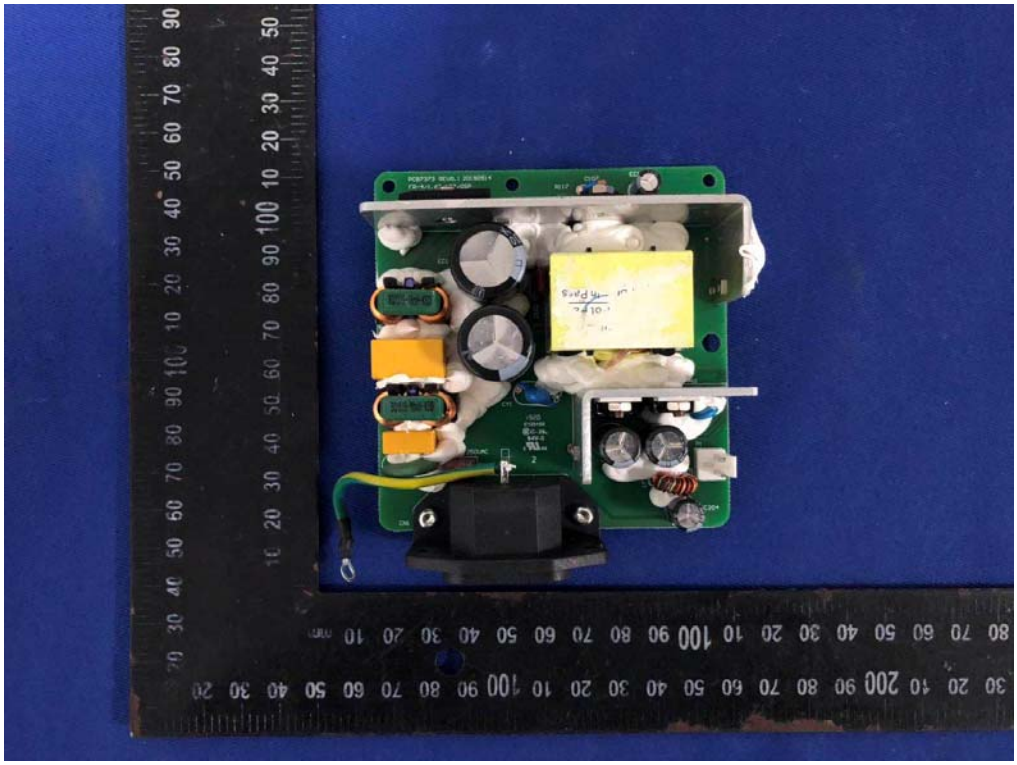

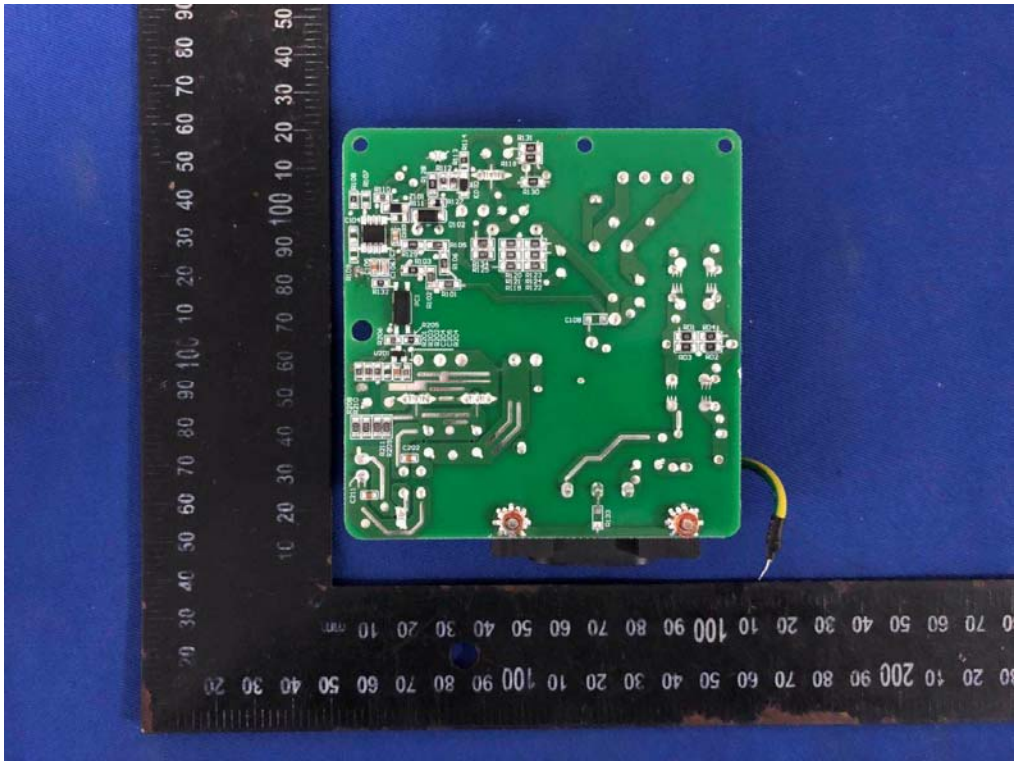

Internal Photos

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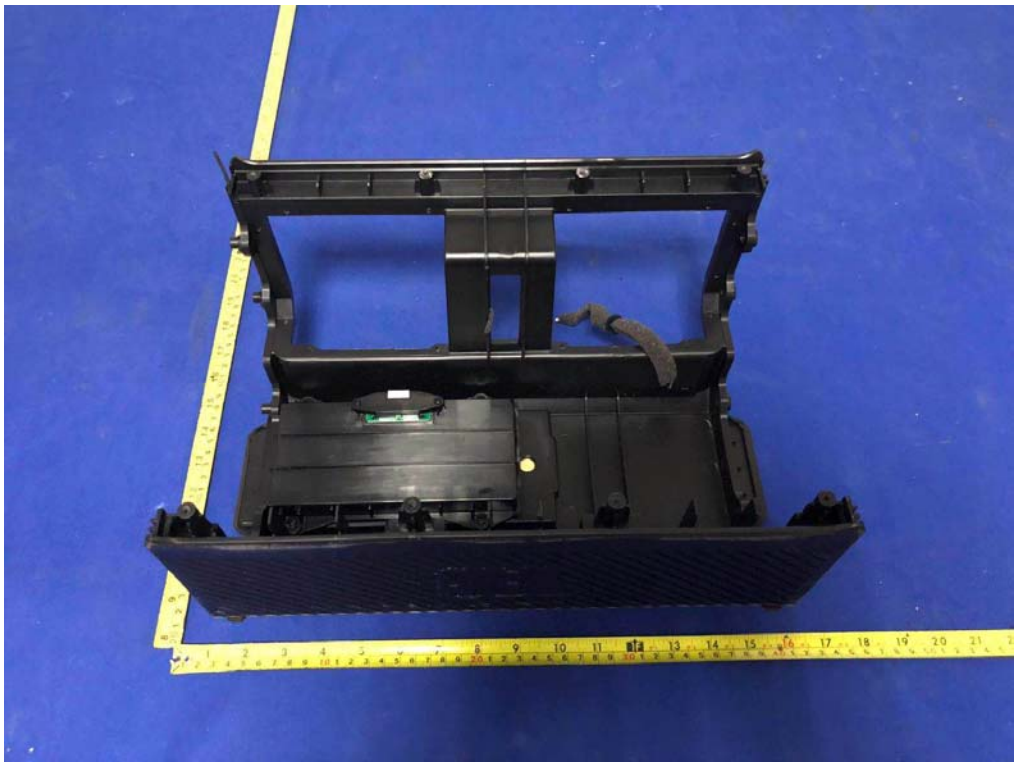

Internal Photos

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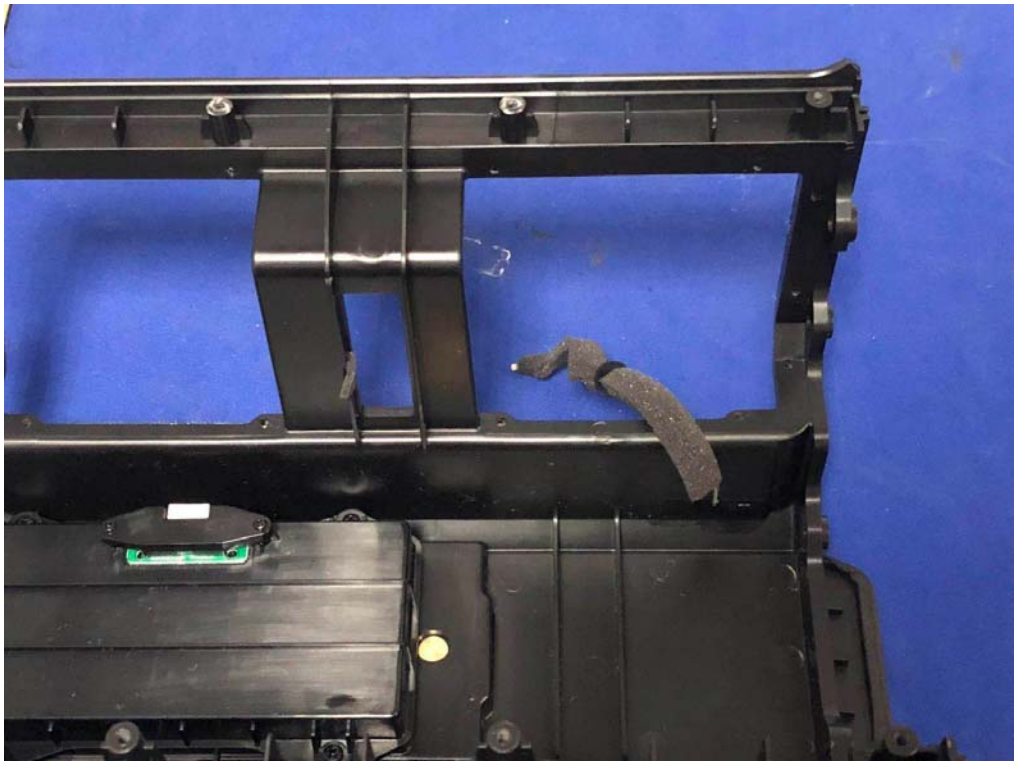

End of Test Report