FCC PART 15C TEST REPORT FOR CERTIFICATION
On Behalf of

Tymphany HK Limited

Speaker

Model Number: EON ONE

FCC ID: 2AAGJEONONE

Prepared for : Tymphany HK Limited
Room 1307-8, Dominon Centre, 43-59 Queen's Road East,
WanChai, Hong Kong

Prepared By : EST Technology Co., Ltd.
Santun(guantai Road), Houjie Town, DongGuan City,
GuangDong, China.

Tel: 86-769-83081888-808

Report Number: ESTE-R1603013
Date of Test : February 22~ March 03, 2016
Date of Report : March 09, 2016

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Description Page

Test Report Verification

Applicant: **Address:**	Tymphany HK Limited Room 1307-8, Dominon Centre, 43-59 Queen's Road East, WanChai, Hong Kong
Manufacturer **Address:**	JBL Professional 8500 Balboa Blvd. Northridge, CA. 91329
E.U.T:	Speaker
Model Number:	EON ONE
Power Supply:	AC 100-120V/220-240V 50/60Hz
Test Voltage:	AC 120V/60Hz AC 240V/60Hz
Trade Name:	JBL Serial No.: ------
Date of Receipt:	February 22, 2016 Date of Test: February 22~ March 03, 2016
Test Specification:	FCC Rules and Regulations Part 15 Subpart C:2015 ANSI C63.10:2013
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: March 09, 2016

Prepared by:	Tested by:	Approved by:
Ada / Assistant	Tony.Tang / Engineer	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	:	Speaker	
FCC ID	:	2AAGJEONONE	
Model Number	:	EON ONE	
Operation frequency	:	2402MHz~2480MHz	
Number of channel	:	79	40
Antenna	:	Internal antenna, 2.13dBi gain	
Modulation	:	Dula-mode Bluetooth 4.0 BT BDR: GFSK BT EDR: π/4-DQPSK BT EDR: 8-DPSK	Dula-mode Bluetooth 4.0 BLE: GFSK
Sample Type	:	Prototype production	

2. SUMMARY OF TEST

2.1. Summary of test result

Description of Test Item	Standard	Results
Maximum Peak Output Power	FCC Part 15: 15.247(b)(1) DA 00-705	PASS
20dB Bandwidth	FCC Part 15: 15.247a1 DA 00-705	PASS
Carrier Frequency Separation	FCC Part 15: 15.247(a)(1) DA 00-705	PASS
Number Of Hopping Channel	FCC Part 15: 15.247(a)(1)(iii) DA 00-705	PASS
Dwell Time	FCC Part 15: 15.247(a)(1)(iii) DA 00-705	PASS
Radiated Emission	FCC Part 15: 15.209 FCC Part 15: 15.247(d) ANSI C63.10:2013 DA 00-705	PASS
Band Edge Compliance	FCC Part 15: 15.247(d) DA 00-705	PASS
Power Line Conducted Emissions	FCC Part 15: 15.207 ANSI C63.10:201 DA 00-705	PASS
Antenna requirement	FCC Part 15: 15.203	PASS

2.2. Test Facilities

EMC Lab : Certificated by CNAL, CHINA
Registration No.: L5288
Date of registration: December 07, 2015

Certificated by FCC, USA
Registration No.: 989591
Date of registration: November 20, 2013

Certificated by Industry Canada
Registration No.: 9405A-1
Date of registration: December 30, 2015

Certificated by VCCI, Japan
Registration No.: R-3663 & C-4103
Date of registration: July 25, 2011

Certificated by TUV Rheinland, Germany
Registration No.: UA 50195514 0001
Date of registration: January 07, 2011

Certificated by TUV/PS, Shenzhen
Registration No.: SCN1017
Date of registration: January 27, 2011

Certificated by Intertek ETL SEMKO
Registration No.: 2011-RTL-L1-18
Date of registration: April 28, 2011

Certificated by Siemic, Inc.
Registration No.: SLCN021
Date of registration: November 8, 2011

Certificated by Nemko, Hong Kong
Registration No.: 175193
Date of registration: May 4, 2011

Name of Firm : EST Technology Co., Ltd.

Site Location : San Tun Management Zone, Houjie Town, Dongguan, Guangdong, China

2.3. Measurement uncertainty

Test Item	Uncertainty
Uncertainty for Conduction emission test	2.54dB
Uncertainty for Radiation Emission test (30MHz-1GHz)	3.62
Uncertainty for Radiation Emission test (1GHz to 18GHz)	4.86
Uncertainty for radio frequency	7×10-8
Uncertainty for conducted RF Power	0.20dB
Uncertainty for Power density test	0.26dB

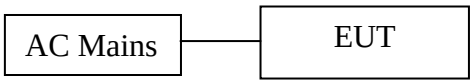
Note：This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

2.4. Assistant equipment used for test

2.4.1. N/A

2.5. Block Diagram

For radiated emissions test: EUT was placed on a turn table, which is 0.1 meter high above ground. EUT was be set into BT test mode by software before test.



(EUT: Speaker)

2.6. Test mode

The test software was used to control EUT work in Continuous TX mode, and select test channel, wireless mode

Mode	Channel	Frequency
GFSK	Low	2402MHz
	Middle	2441MHz
	High	2480MHz
8-DPSK	Low	2402MHz
	Middle	2441MHz
	High	2480MHz

2.7. Channel List for Bluetooth

Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
1	2402	2	2403	3	2404	4	2405
5	2406	6	2407	7	2408	8	2409
9	2410	10	2411	11	2412	12	2413
13	2414	14	2415	15	2416	16	2417
17	2418	18	2419	19	2420	20	2421
21	2422	22	2423	23	2424	24	2425
25	2426	26	2427	27	2428	28	2429
29	2430	30	2431	31	2432	32	2433
33	2434	34	2435	35	2436	36	2437
37	2438	38	2439	39	2440	40	2441
41	2442	42	2443	43	2444	44	2445
45	2446	46	2447	47	2448	48	2449
49	2450	50	2451	51	2452	52	2453
53	2454	54	2455	55	2456	56	2457
57	2458	58	2459	59	2460	60	2461
61	2462	62	2463	63	2464	64	2465
65	2466	66	2467	67	2468	68	2469
69	2470	70	2471	71	2472	72	2473
73	2474	74	2475	75	2476	76	2477
77	2478	78	2479	79	2480	-	-

2.8. Test Equipment

2.8.1. For conducted emission test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESHS30	832354	June,28,15	1 Year
Artificial Mains Networ	Rohde & Schwarz	ENV216	101260	June,28,15	1 Year
Pulse Limiter	Rohde & Schwarz	ESEON ONE-Z2	101100	June,28,15	1 Year

2.8.2. For radiated emission test(30-1000MHz)

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESVS10	100004	June,28,15	1 Year
Spectrum Analyzer	Agilent	E4411B	MY50140697	June,28,15	1 Year
Bilog Antenna	Teseq	CBL 6111D	27090	June,28,15	1 Year
Signal Amplifier	Agilent	310N	187037	June,28,15	1 Year

2.8.3. For radiated emission test(above 1GHz)

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA9120D1002	June,28,15	1 Year
Signal Amplifier	SCHWARZBECK	BBV9718	9718-212	June,28,15	1 Year
Spectrum Analyzer	Agilent	E4408B	MY44211139	June,28,15	1 Year
RF Cable	Hubersuhner	RG 214/U	513423	June,28,15	1 Year

3. MAXIMUM PEAK OUTPUT POWER

3.1. Limit

For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts, the e.i.r.p shall not exceed 4W

3.2. Test Procedure

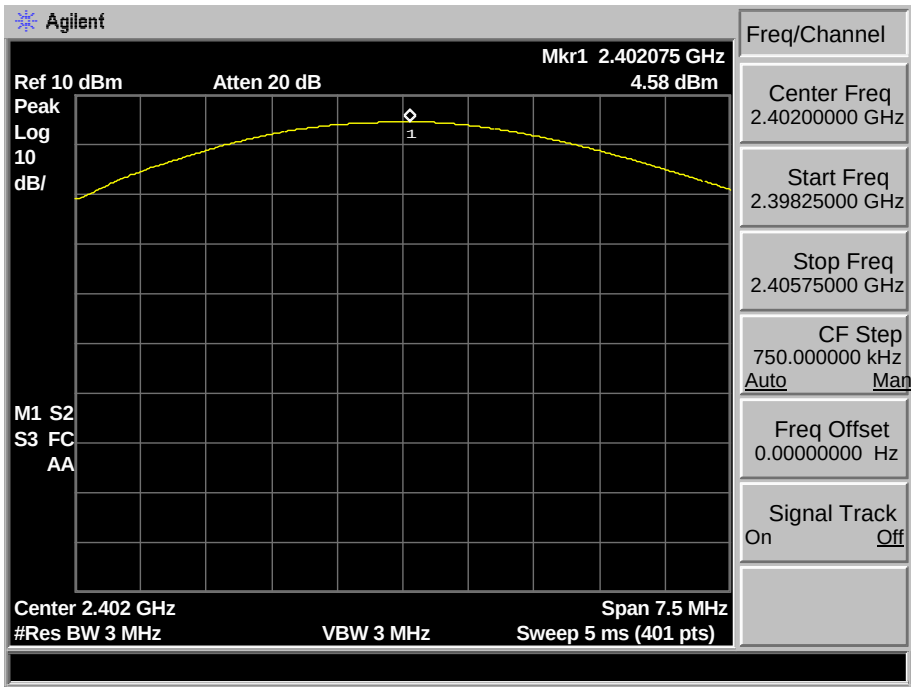
The transmitter output (antenna port) was connected to the spectrum analyzer

3.3. Test Result

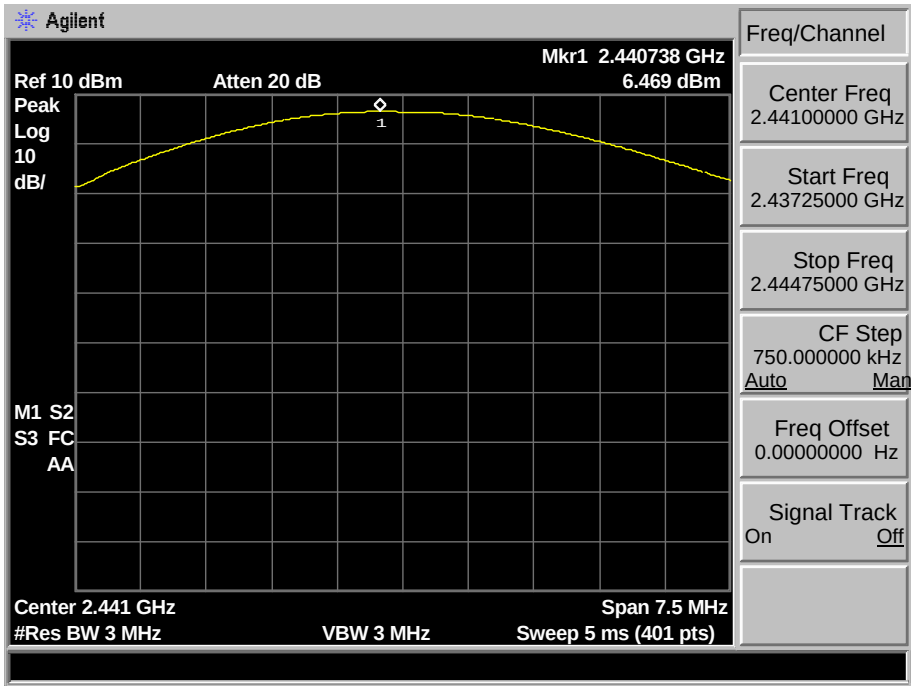
EUT: Speaker M/N: EON ONE					
Test date: 2016-03-01		Test site: RF site	Tested by: Tony Tang		
Mode	Freq (MHz)	Result (dBm)	Limit		Margin (dB)
			dBm	W	
GFSK	2402	4.580	30.00	1	25.420
	2441	6.469	30.00	1	23.531
	2480	6.811	30.00	1	23.189
8-DPSK	2402	2.887	21.00	0.125	18.113
	2441	5.571	21.00	0.125	15.429
	2480	5.993	21.00	0.125	15.007
Conclusion: PASS					

3.4. Test Data

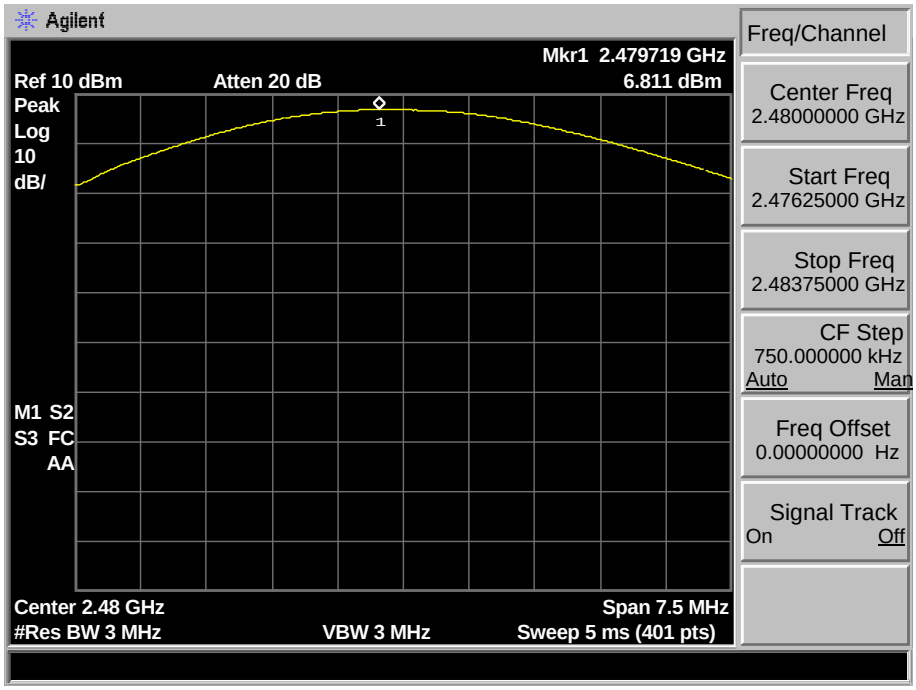
GFSK 2402 MHz



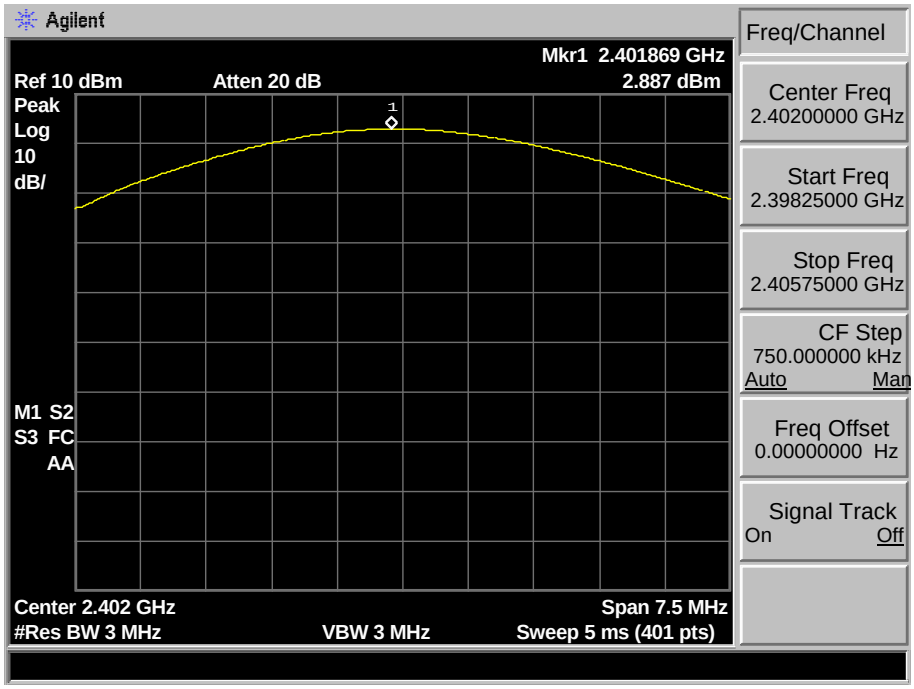
GFSK 2441 MHz



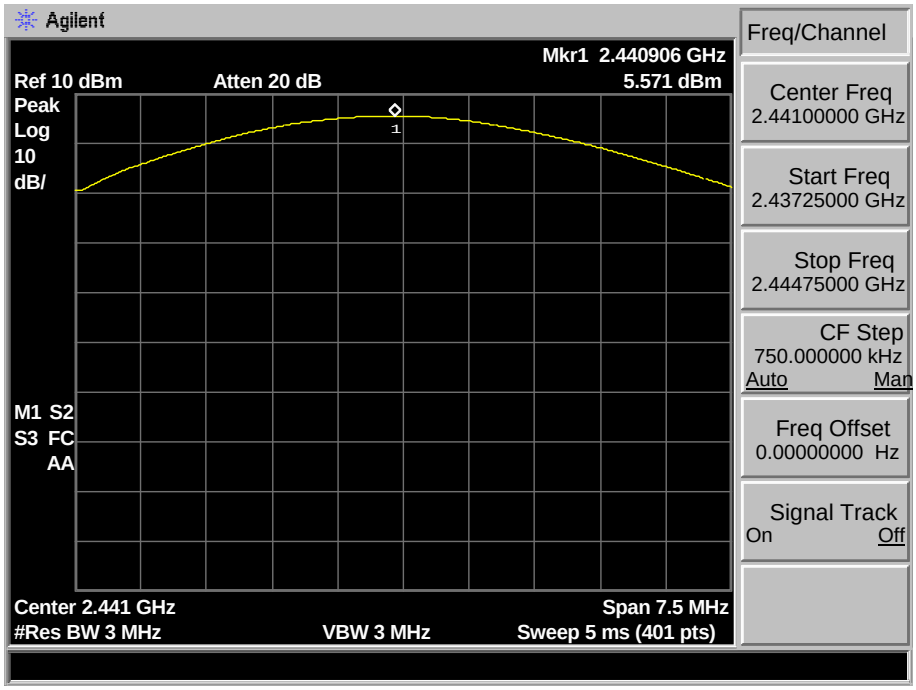
GFSK 2480 MHz



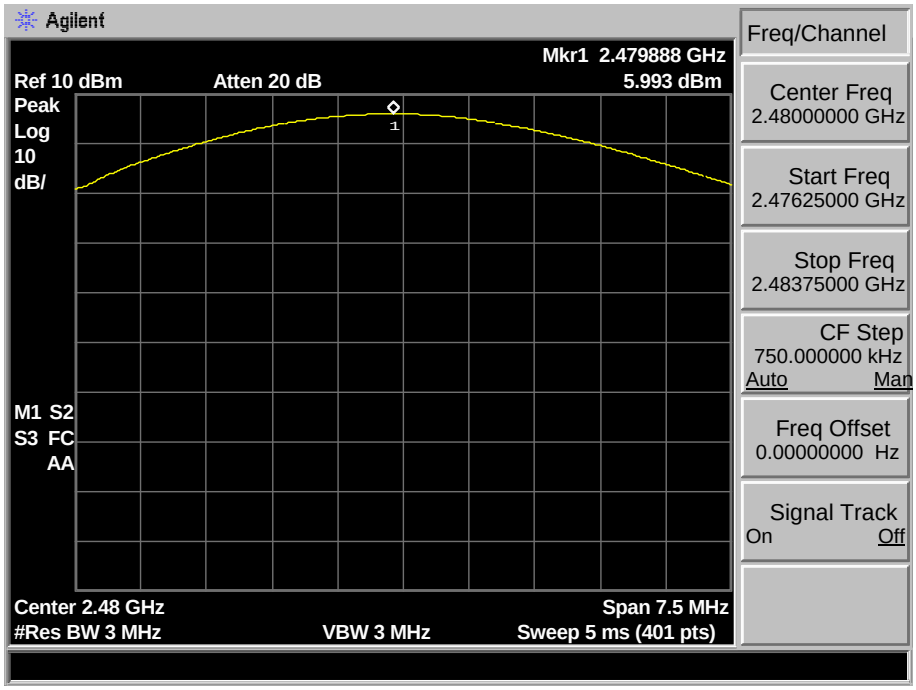
8-DPSK 2402 MHz



8-DPSK 2441 MHz



8-DPSK 2480 MHz



4. 20 DB BANDWIDTH

4.1. Limit

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

4.2. Test Procedure

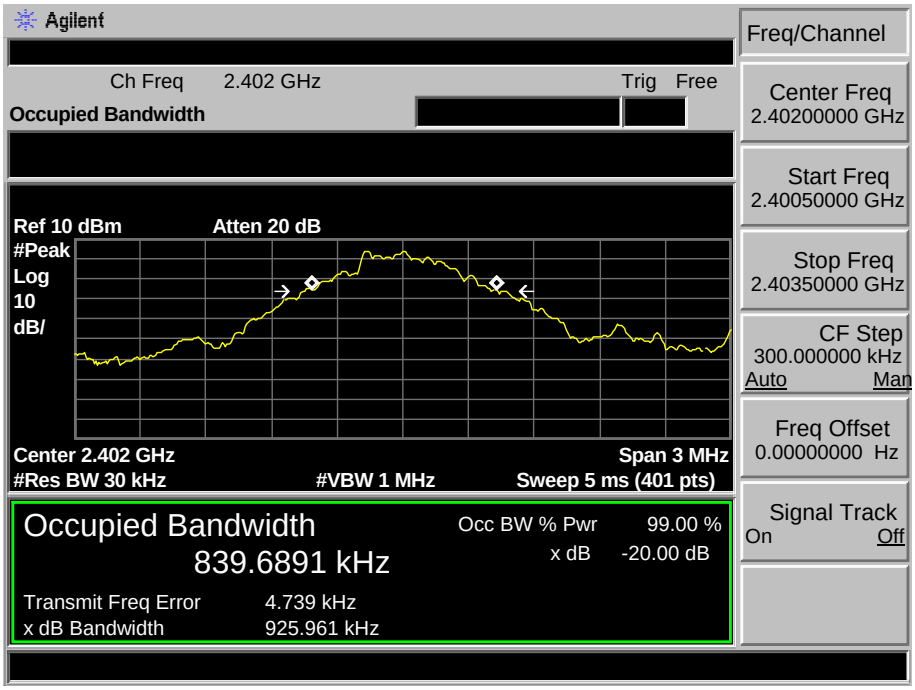
The transmitter output was coupled to a spectrum analyzer via a antenna. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 30kHz RBW and 100kHz VBW. The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

4.3. Test Result

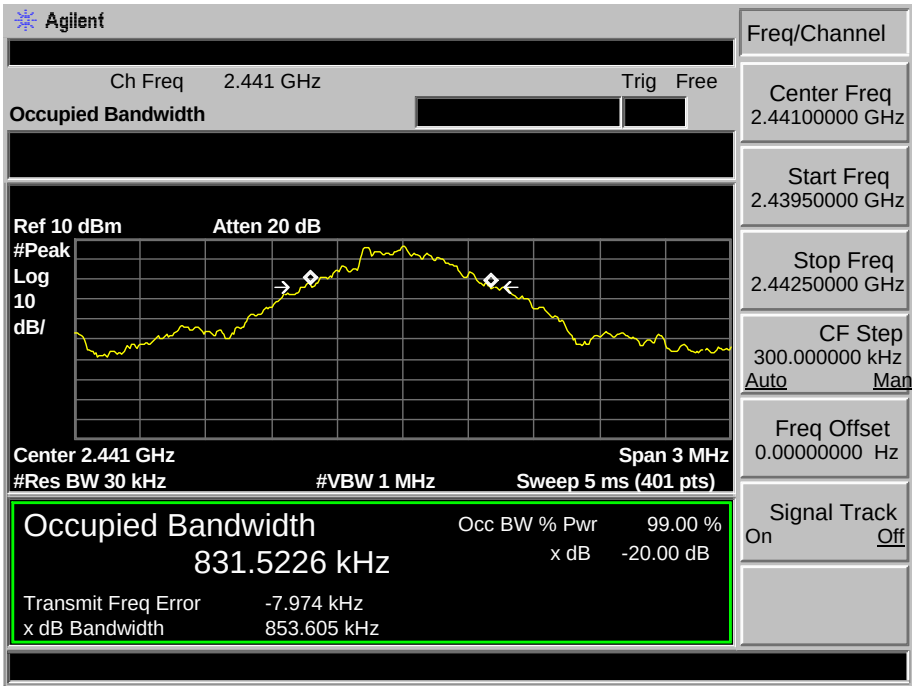
EUT: Speaker M/N: EON ONE				
Test date: 2016-03-01		Test site: RF site		Tested by: Tony Tang
Mode	Freq (MHz)	20dB Bandwidth (MHz)	Limit (kHz)	Conclusion
GFSK	2402	0.926	/	PASS
	2441	0.854	/	PASS
	2480	0.861	/	PASS
8-DPSK	2402	1.204	/	PASS
	2441	1.211	/	PASS
	2480	1.235	/	PASS

4.4. Test Data

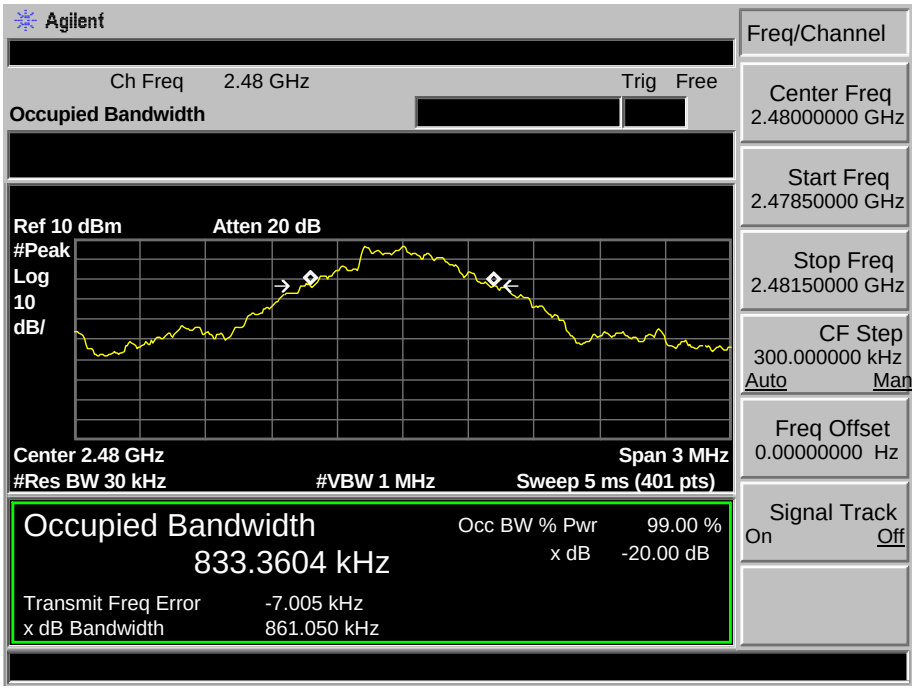
GFSK 2402MHz



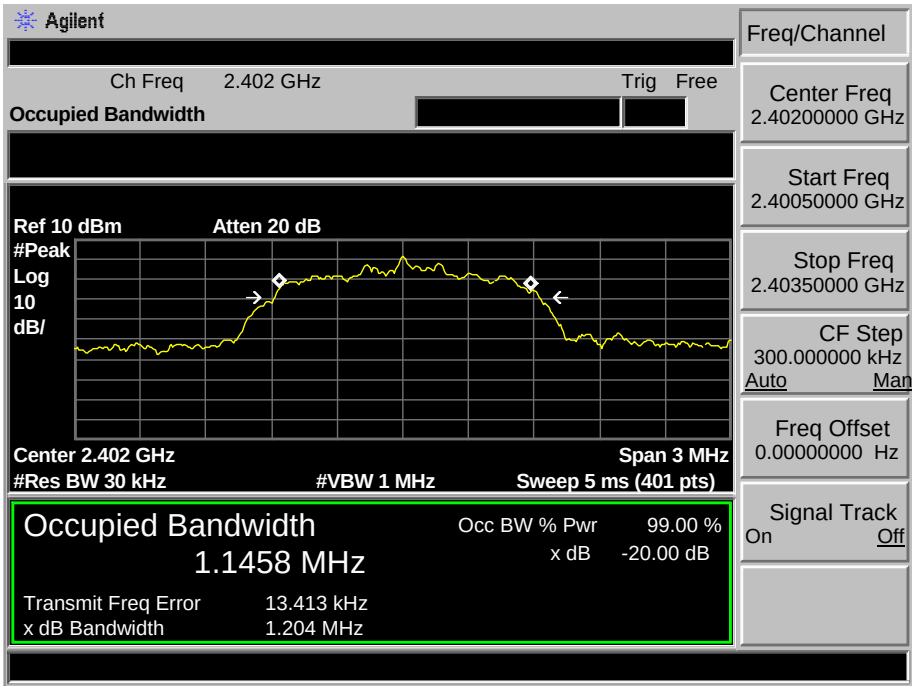
GFSK 2441MHz



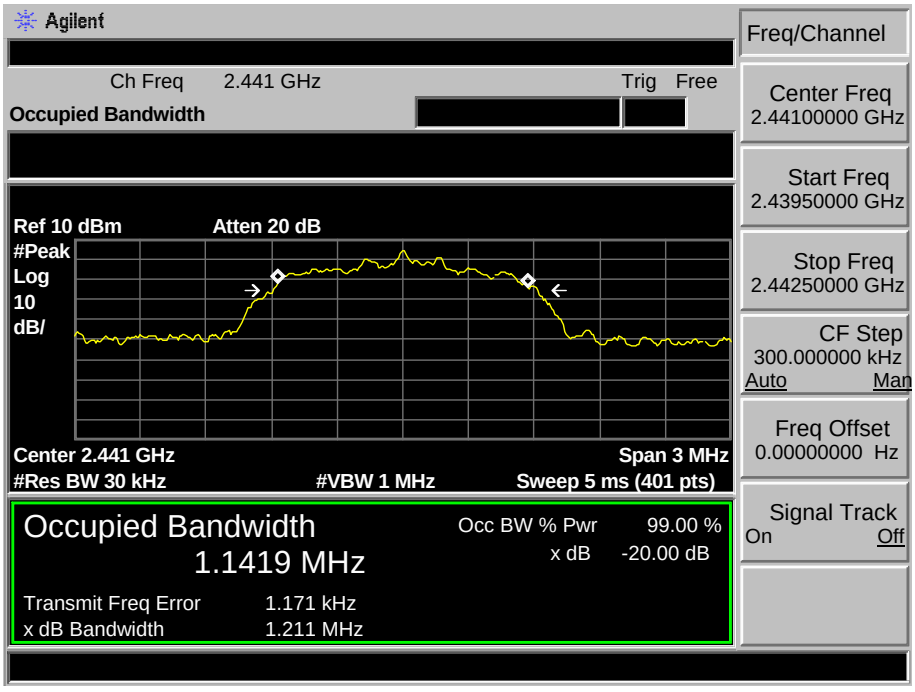
GFSK 2480MHz



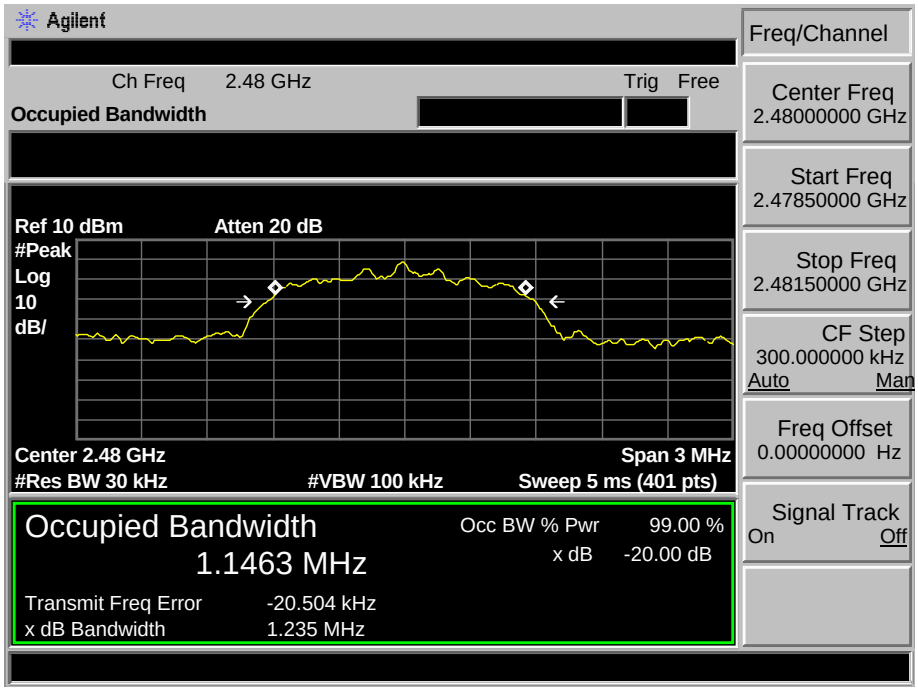
8-DPSK 2402MHz



8-DPSK 2441MHz



8-DPSK 2480MHz



5. CARRIER FREQUENCY SEPARATION

5.1. Limit

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW

5.2. Test Procedure

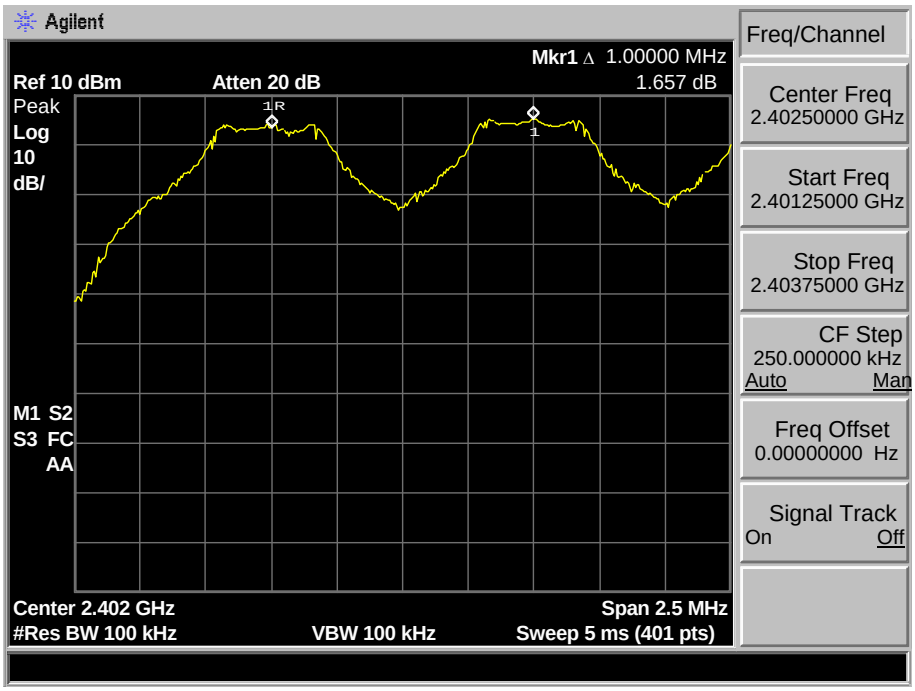
The transmitter output was coupled to a spectrum analyzer via a antenna. The carrier frequency was measured by spectrum analyzer with 100kHz RBW and 100kHz VBW.

5.3. Test Result

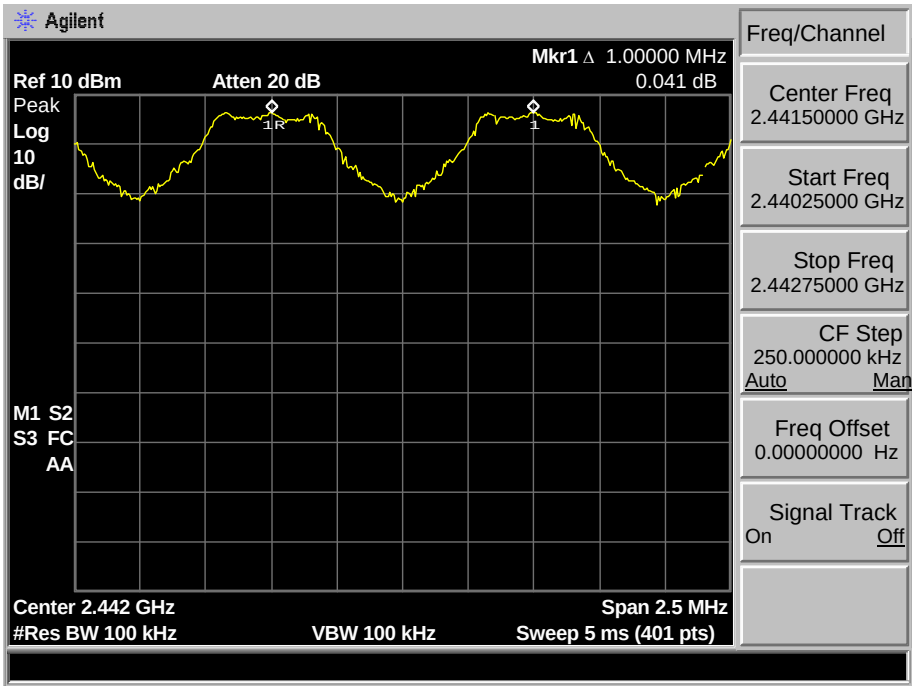
EUT: Speaker M/N: EON ONE				
Test date: 2016-03-01			Test site: RF site Tested by: Tony Tang	
Mode	Channel	Channel separation (MHz)	Limit	Conclusion
GFSK	Low CH	1.000	0.926 MHz	PASS
	Mid CH	1.006	0.854 MHz	PASS
	High CH	1.000	0.861 MHz	PASS
8-DPSK	Low CH	1.000	0.802 MHz	PASS
	Mid CH	1.000	0.807 MHz	PASS
	High CH	1.000	0.823 MHz	PASS

5.4. Test Data

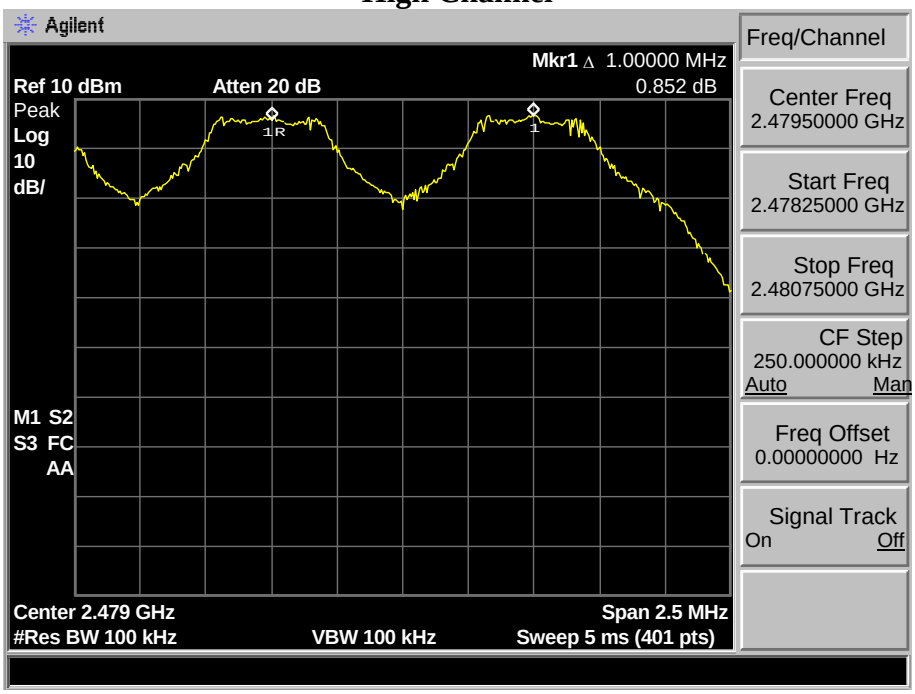
GFSK
Low Channel



Mid Channel

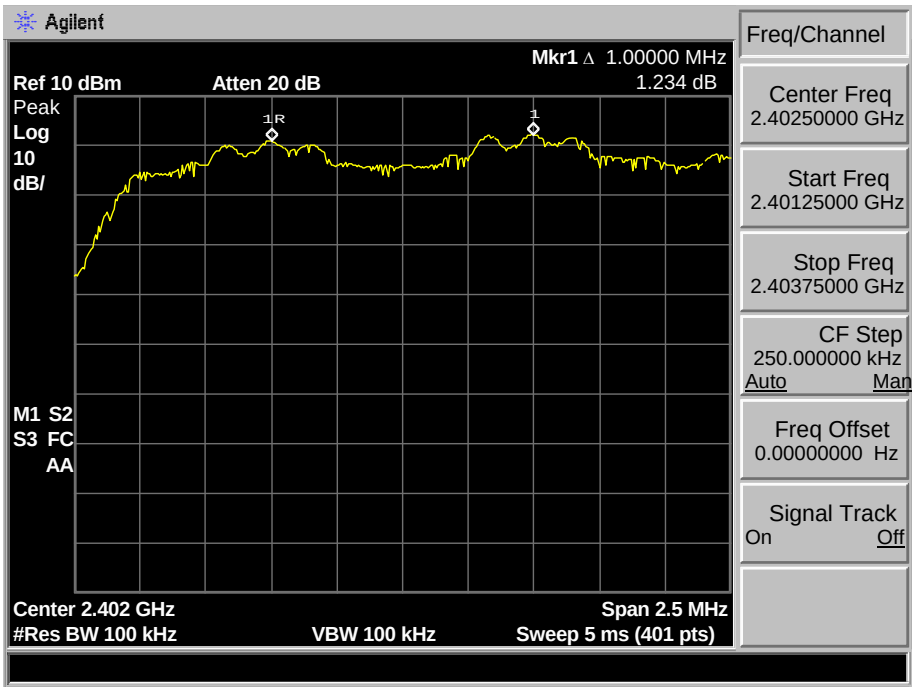


High Channel

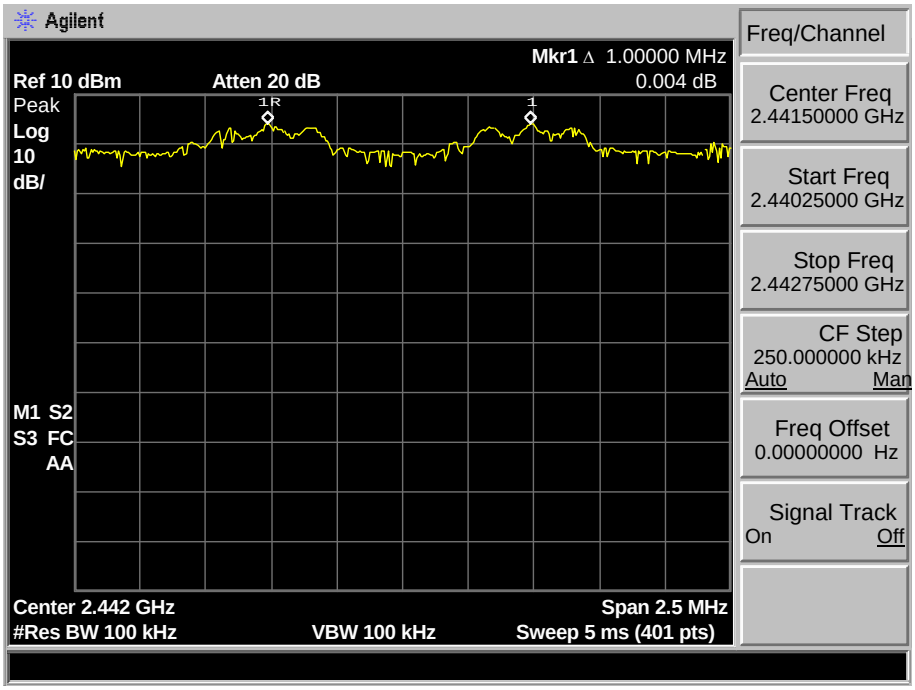


8-DPSK

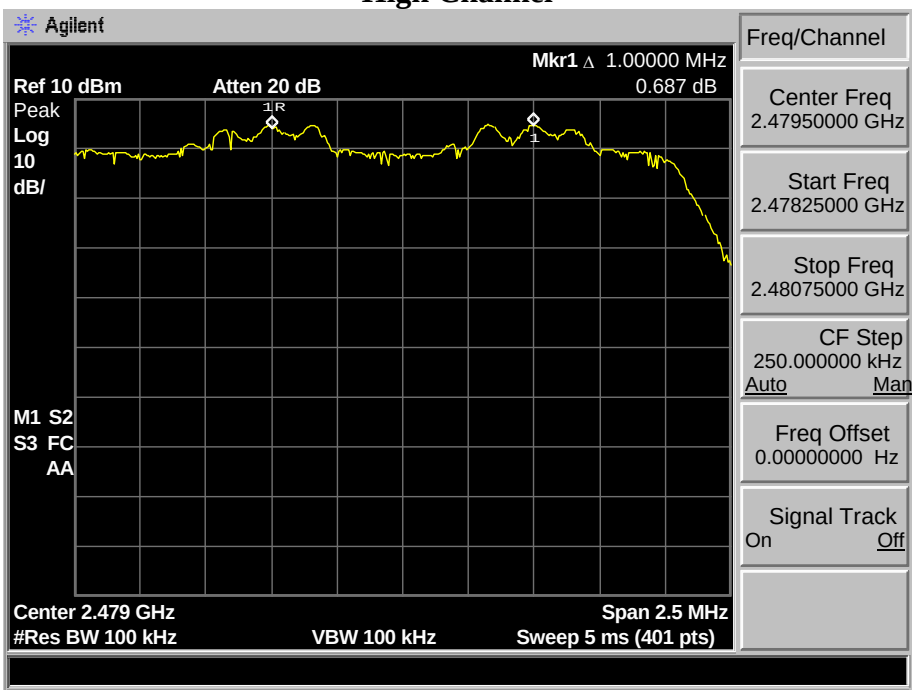
Low Channel



Mid Channel



High Channel



6. NUMBER OF HOPPING CHANNEL

6.1. Limit

Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels

6.2. Test Procedure

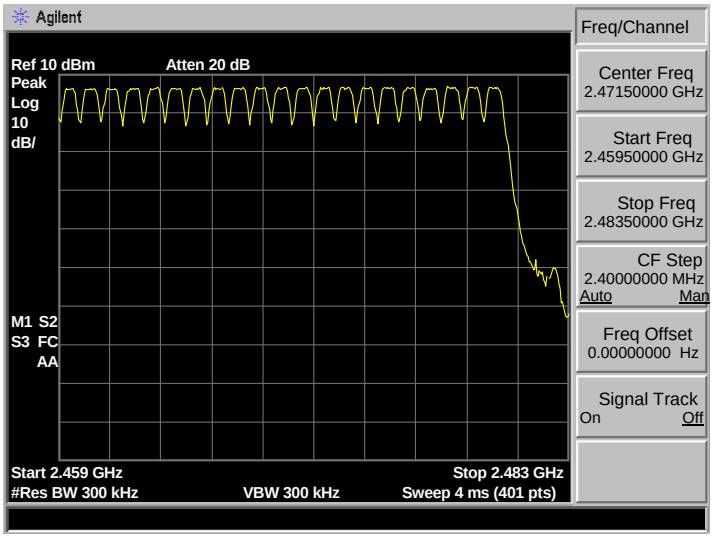
The transmitter output was coupled to a spectrum analyzer via a antenna. The number of hopping channel was measured by spectrum analyzer with 300kHz RBW and 300kHz VBW.

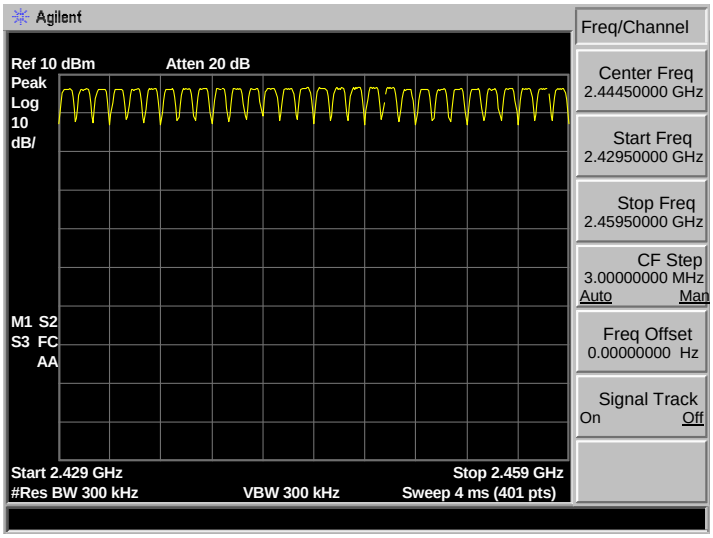
6.3. Test Result

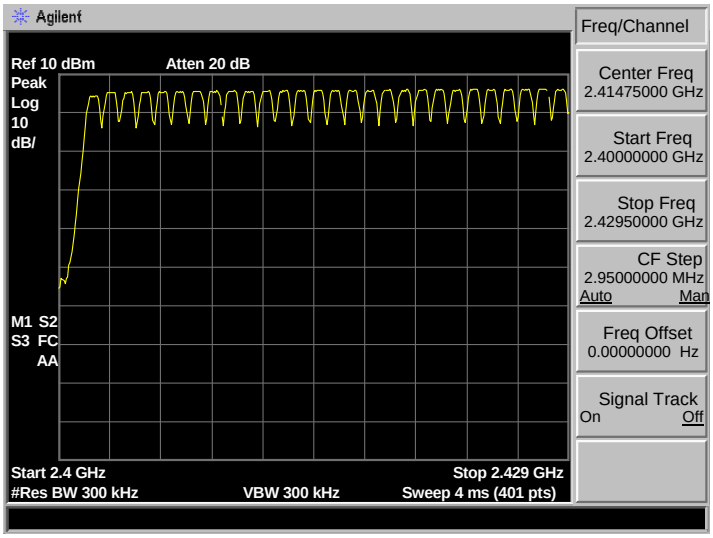
EUT: Speaker M/N: EON ONE			
Test date: 2016-03-01	Test site: RF site	Tested by: Tony.Tang	
Mode	Number of hopping channel	Limit	Conclusion
GFSK	79	>15	PASS
8-DPSK	79	>15	PASS

6.4. Test Data

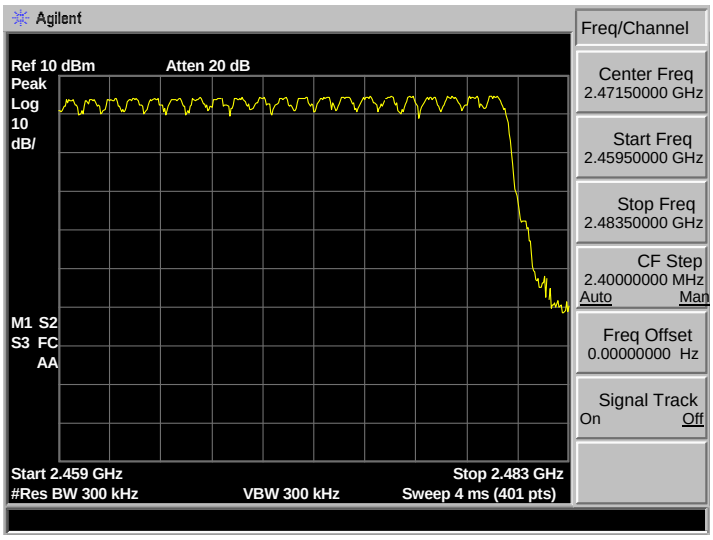
GFSK

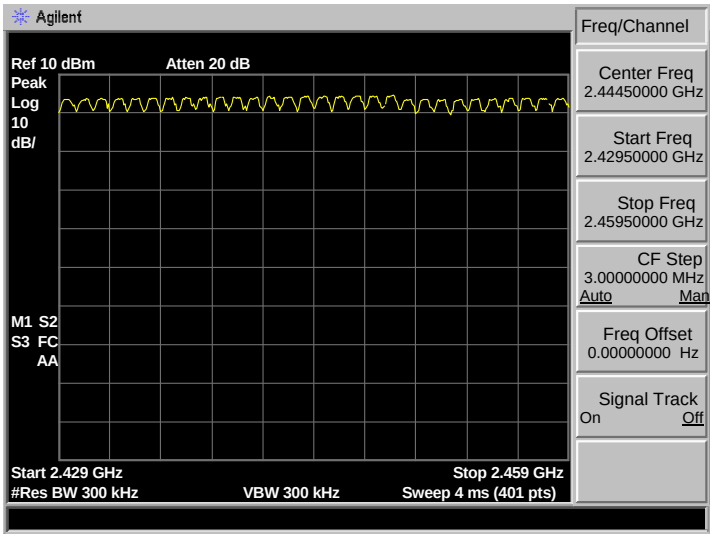


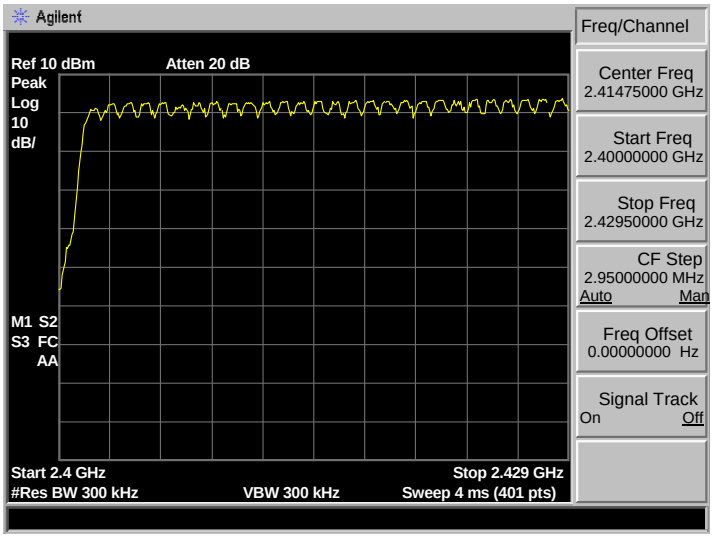




8-DPSK


Agilent
Freq/Channel
Ref 10 dBm
Atten 20 dB
Peak
Log
10
dB/
M1 S2
S3 FC
AA
Center Freq
2.47150000 GHz
Start Freq
2.45950000 GHz
Stop Freq
2.48350000 GHz
CF Step
2.40000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Start 2.459 GHz
#Res BW 300 kHz
VBW 300 kHz
Stop 2.483 GHz
Sweep 4 ms (401 pts)


Agilent
Freq/Channel
Ref 10 dBm
Atten 20 dB
Peak
Log
10
dB/
M1 S2
S3 FC
AA
Center Freq
2.44450000 GHz
Start Freq
2.42950000 GHz
Stop Freq
2.45950000 GHz
CF Step
3.00000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Start 2.429 GHz
#Res BW 300 kHz
VBW 300 kHz
Stop 2.459 GHz
Sweep 4 ms (401 pts)


Agilent
Freq/Channel
Ref 10 dBm
Atten 20 dB
Peak
Log
10
dB/
M1 S2
S3 FC
AA
Center Freq
2.41475000 GHz
Start Freq
2.40000000 GHz
Stop Freq
2.42950000 GHz
CF Step
2.95000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Start 2.4 GHz
#Res BW 300 kHz
VBW 300 kHz
Stop 2.429 GHz
Sweep 4 ms (401 pts)

7. DWELL TIME

7.1. Limit

The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.

7.2. Test Procedure

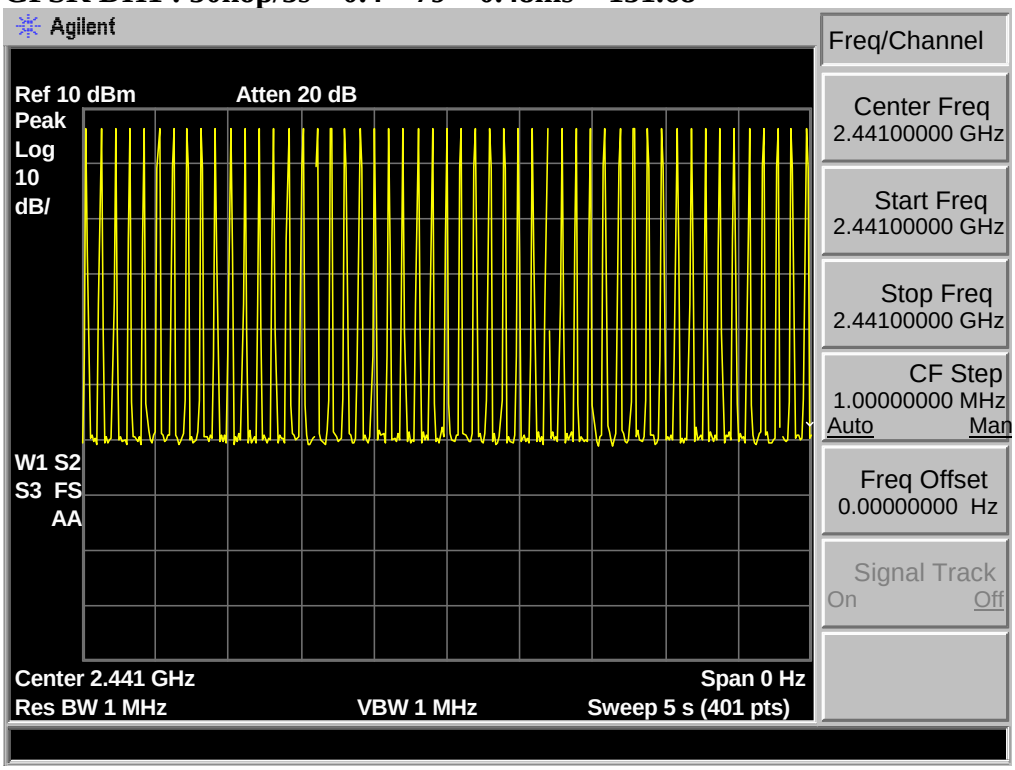
1. Connect the antenna port of the EUT to the spectrum analyzer by a low lost cable.
2. Set the EUT to proper test mode with relative test software and hardware.
3. Spectrum analyzer setting: Centered Frequency = measured channel, RBW = 1MHz, VBW= 1MHz, Frequency Span = 0 Hz.
4. Set sweep time properly to capture the entire dwell time per hopping channel.
5. Set detector type to Peak and trace mode to Max Hold and make the measurement.
6. Repeat step 3-5 until all channels measured were complete.

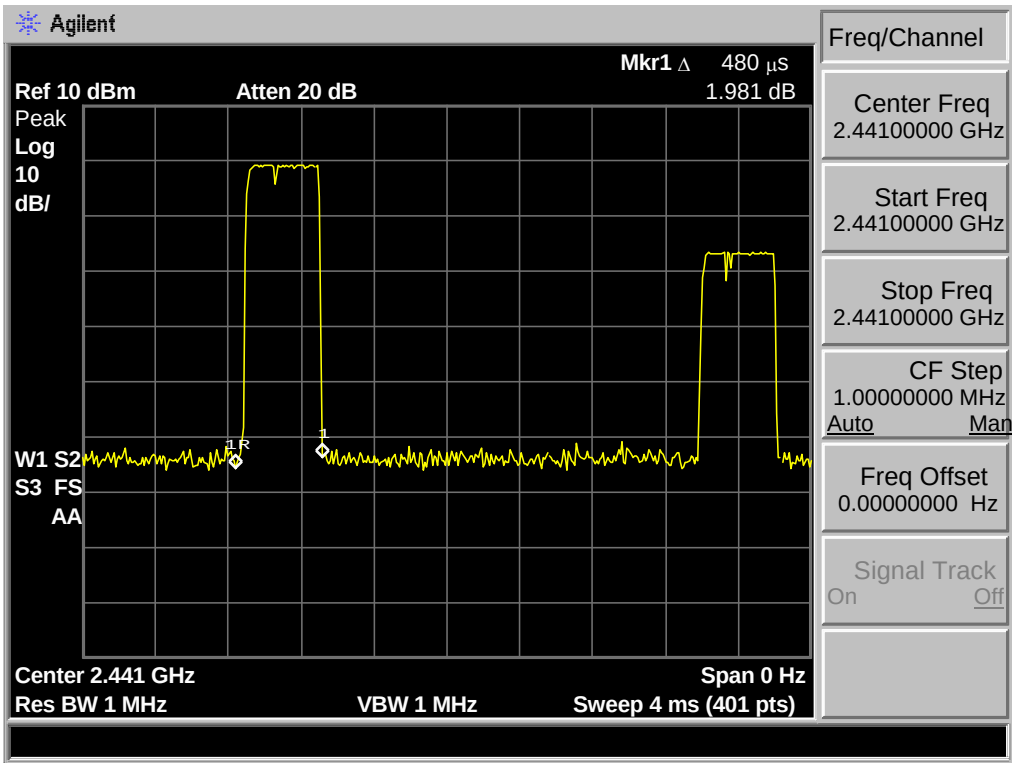
7.3. Test Result

EUT: Speaker M/N: EON ONE			
Test date: 2016-03-01	Test site: RF site	Tested by: Tony Tang	
Mode	Dwell time (ms)	Limit	Conclusion
GFSK DH1	151.68	<400ms	PASS
GFSK DH3	267.02	<400ms	PASS
GFSK DH5	315.87	<400ms	PASS
8-DPSK 3DH1	145.36	<400ms	PASS
8-DPSK 3DH3	271.76	<400ms	PASS
8-DPSK 3DH5	320.17	<400ms	PASS

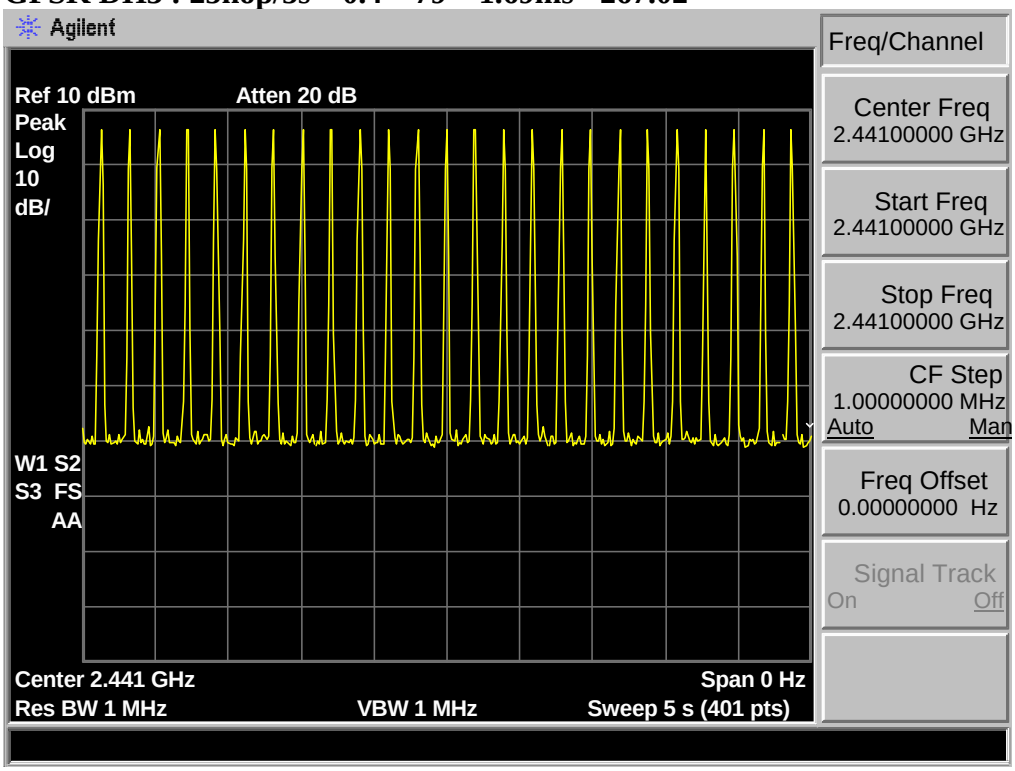
7.4. Test Data

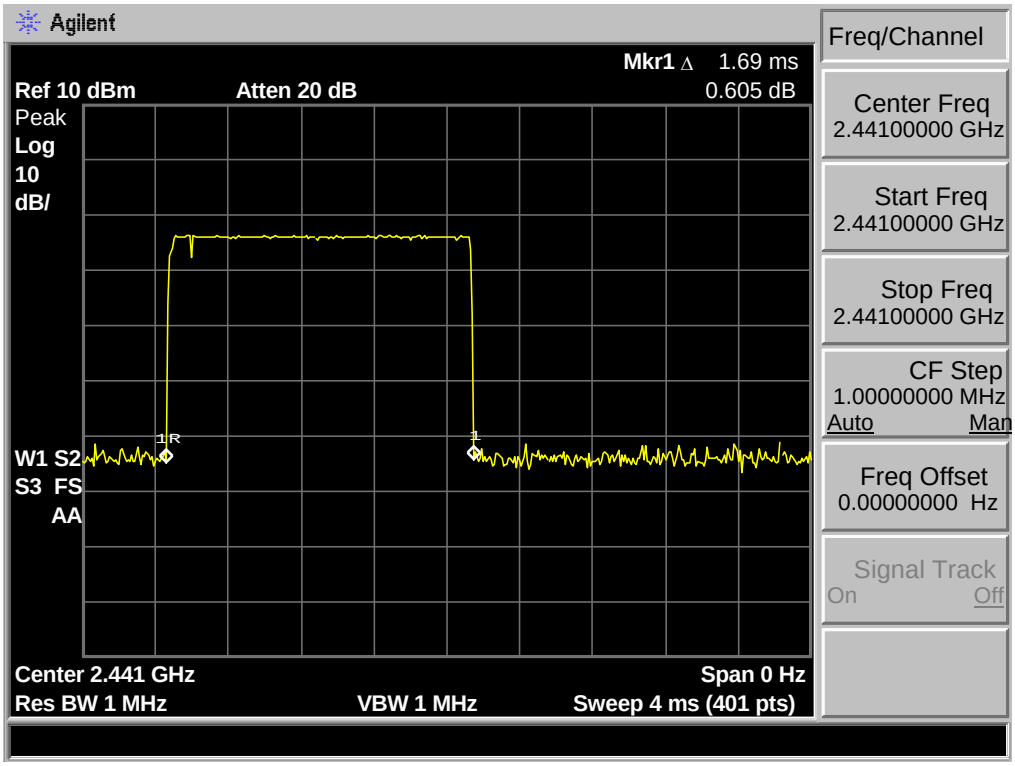
GFSK DH1 : 50hop/5s * 0.4 * 79 * 0.48ms = 151.68



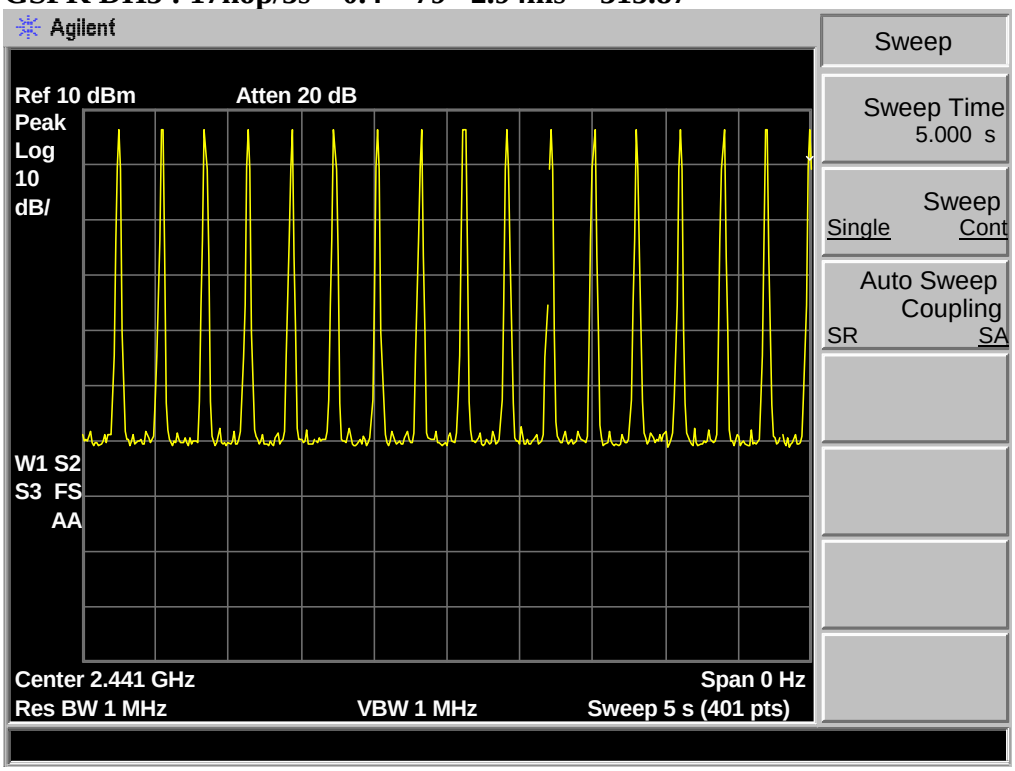


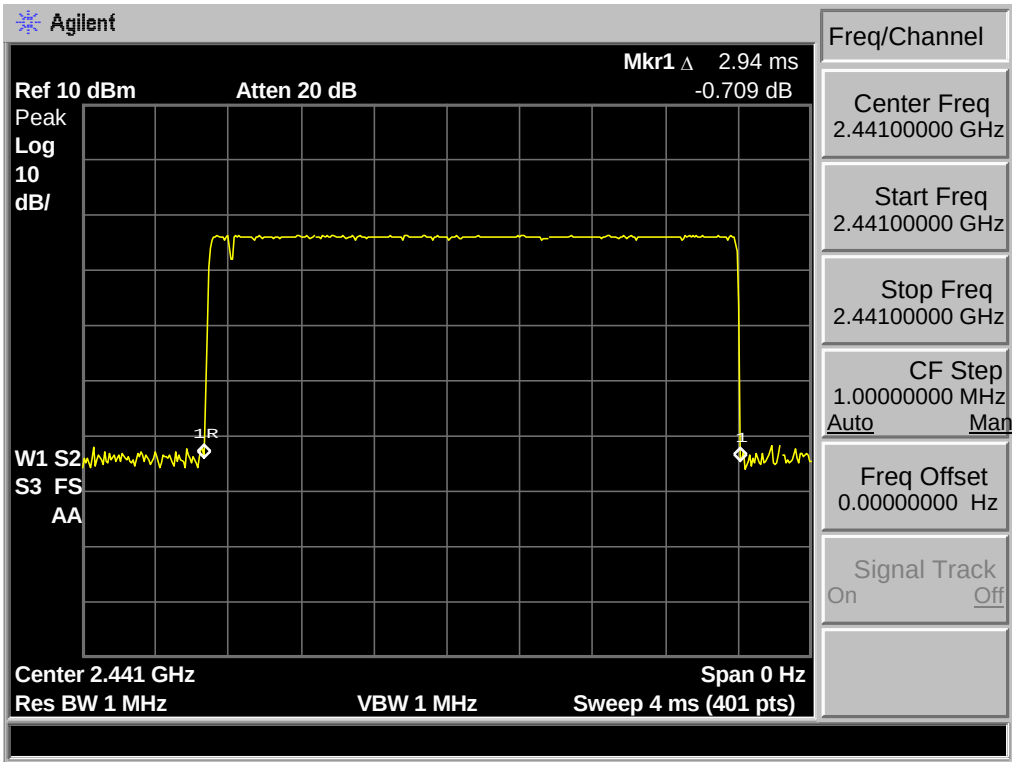
GFSK DH3 : 25hop/5s * 0.4 * 79 * 1.69ms= 267.02



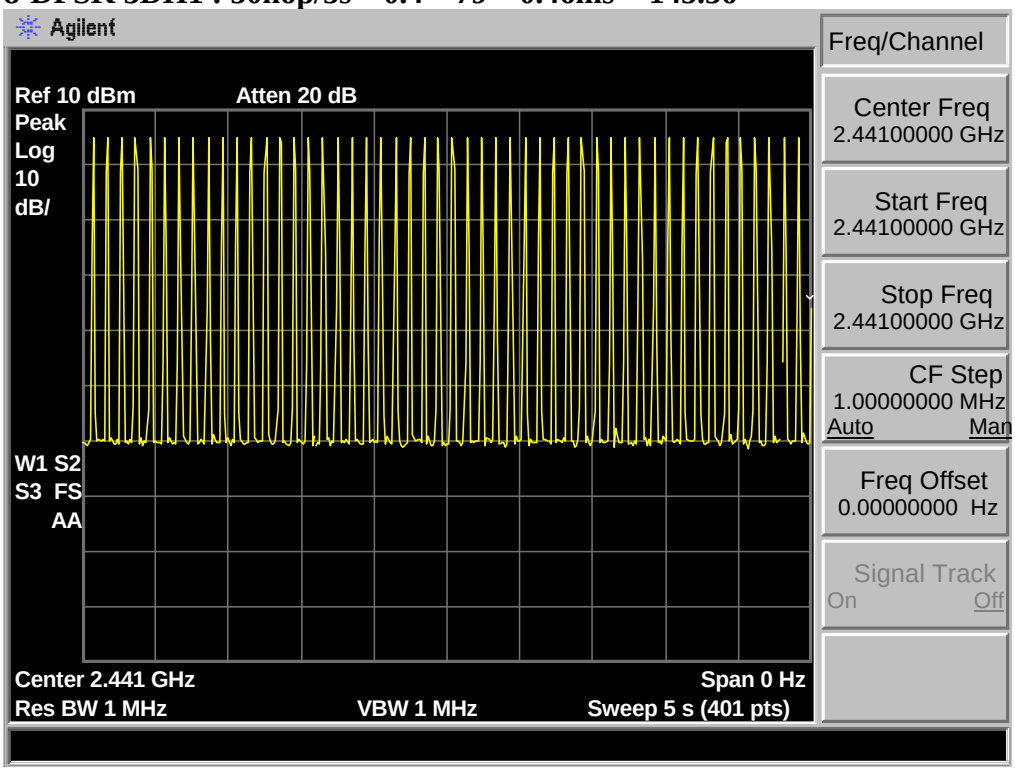


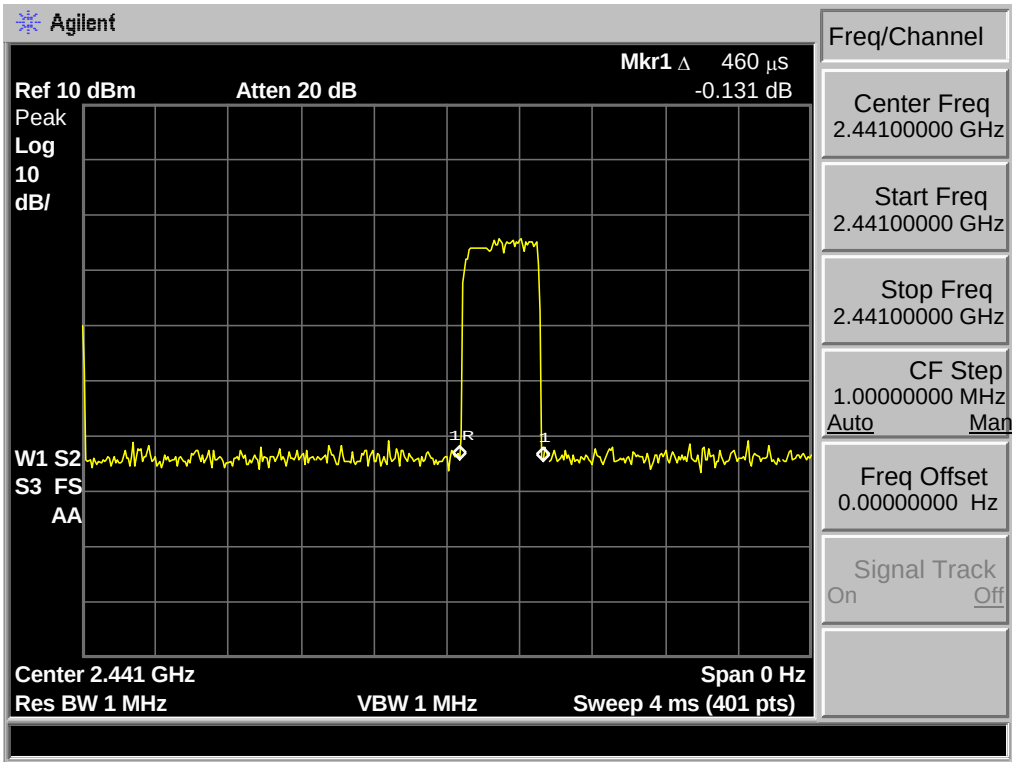
GSFK DH5 : 17hop/5s * 0.4 * 79 *2.94ms = 315.87



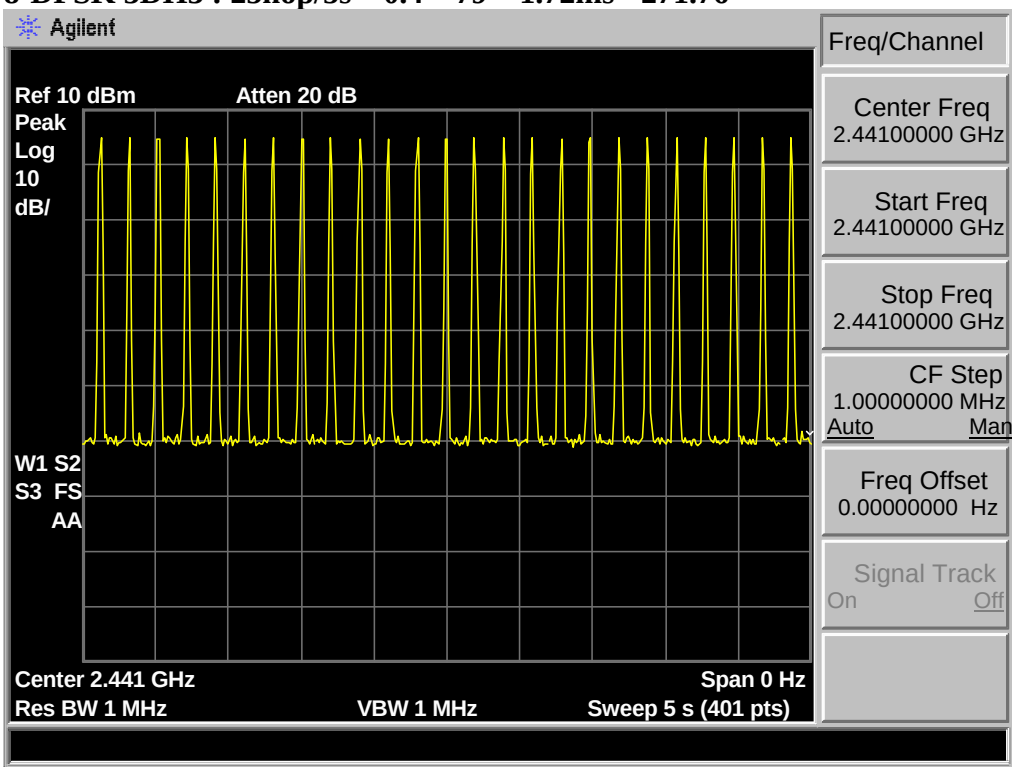


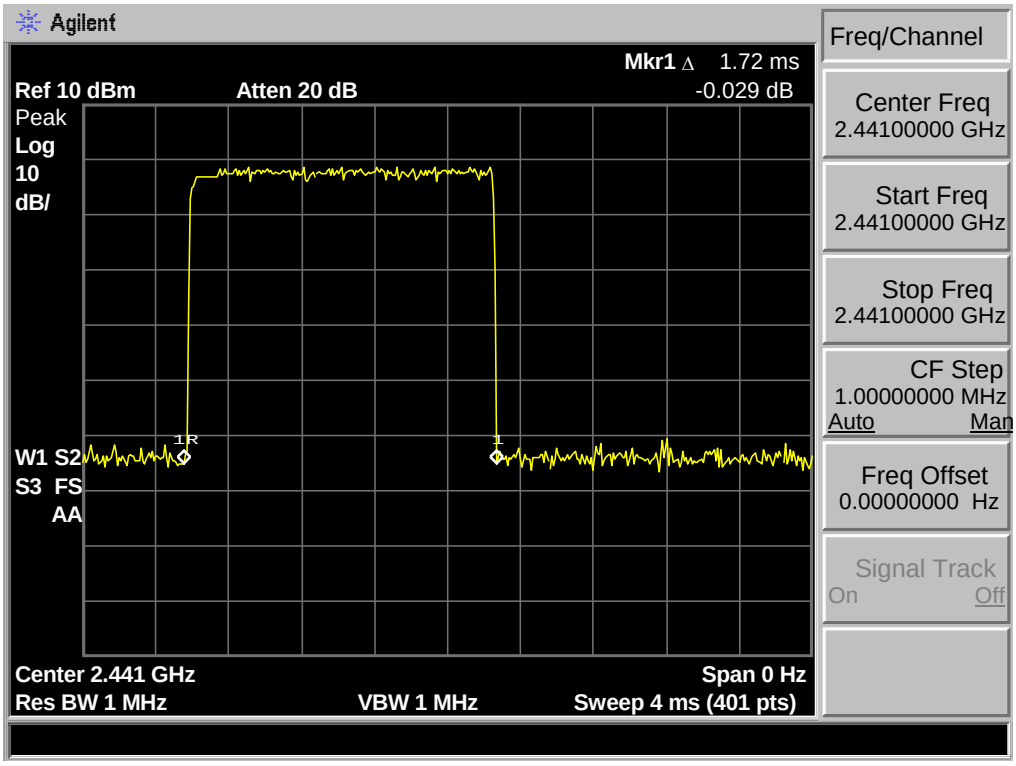
8-DPSK 3DH1 : 50hop/5s * 0.4 * 79 * 0.46ms = 145.36



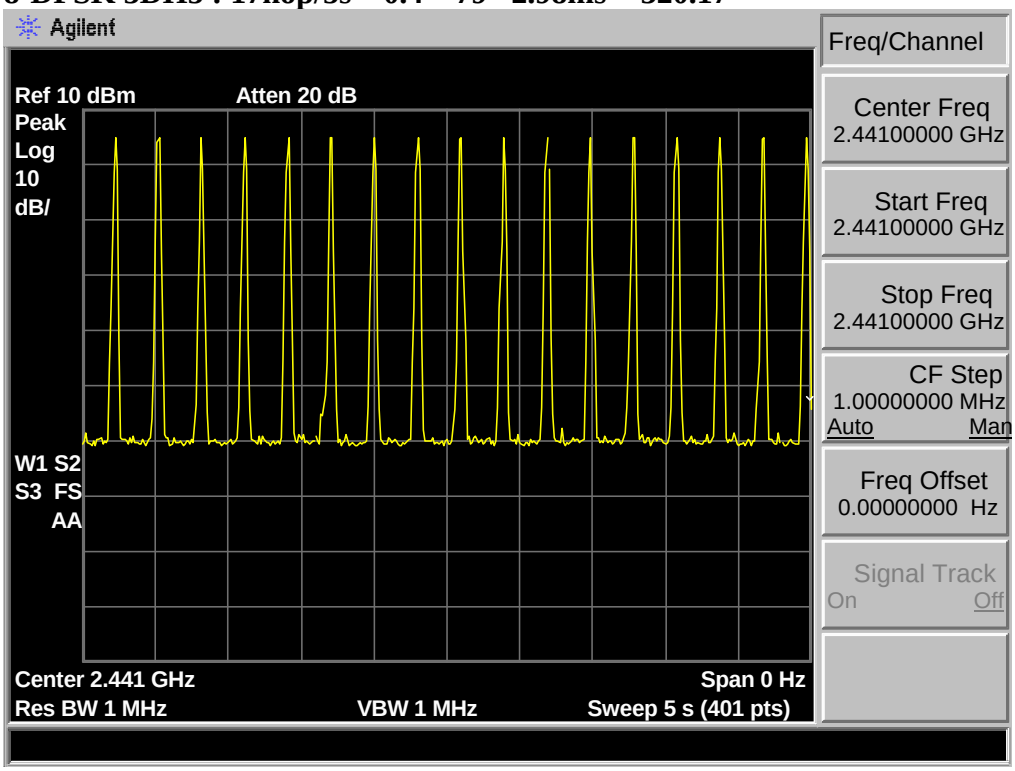


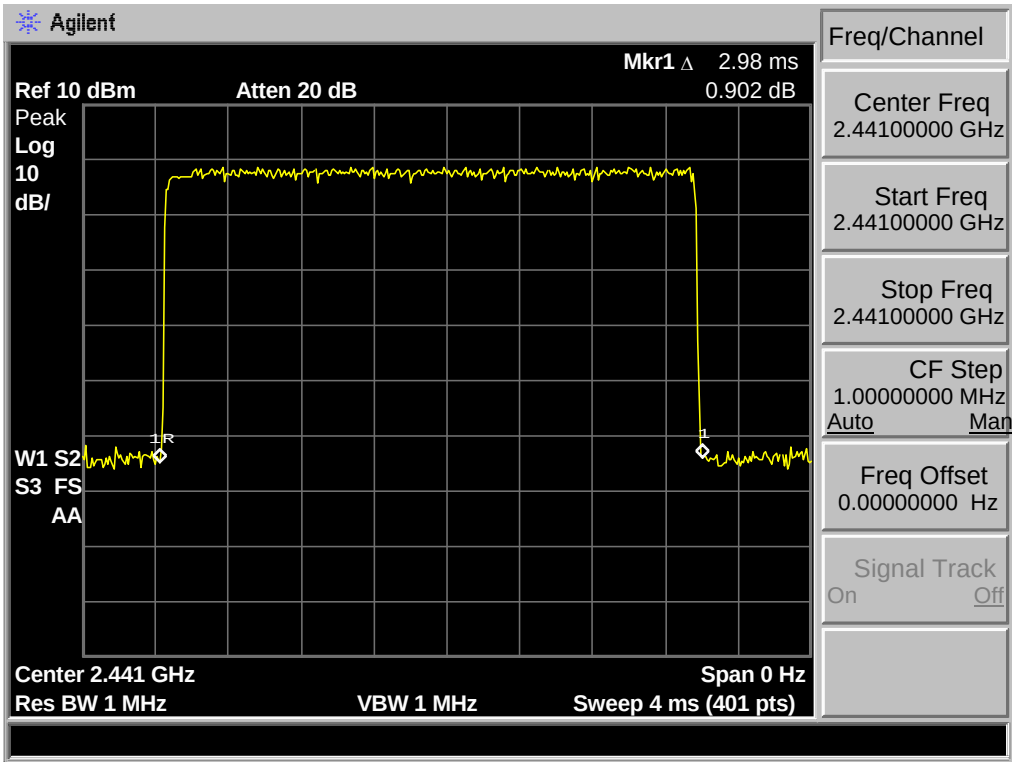
8-DPSK 3DH3 : 25hop/5s * 0.4 * 79 * 1.72ms= 271.76





8-DPSK 3DH5 : 17hop/5s * 0.4 * 79 *2.98ms = 320.17





8. RADIATED EMISSIONS

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	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)	

Remark：(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 Procedure

EUT was placed on a turn table, which is 0.1 meter high above ground for test. The turn table can rotate 360 degrees to determine the position of the maximum emission level. Power on the EUT and let it working in test mode, then test it. EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower. 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.

The bandwidth of the EMI test receiver (R&S ESVS10) is set at 120kHz for frequency range from 30MHz to 1000 MHz.

The bandwidth of the Spectrum's VBW is set at 1MHz and RBW is set at 1MHz for peak emissions measurement above 1GHz and 1MHz RBW, 10Hz VBW for average emissions measure above 1GHz

PEAK detector, 1MHz/1MHz for PAEK measurement,

PEAK detector, 1MHz/10Hz for Average measurement

The frequency range from 30MHz to 10th harmonic (25GHz) are checked.

8.3. Test Result

PASS.

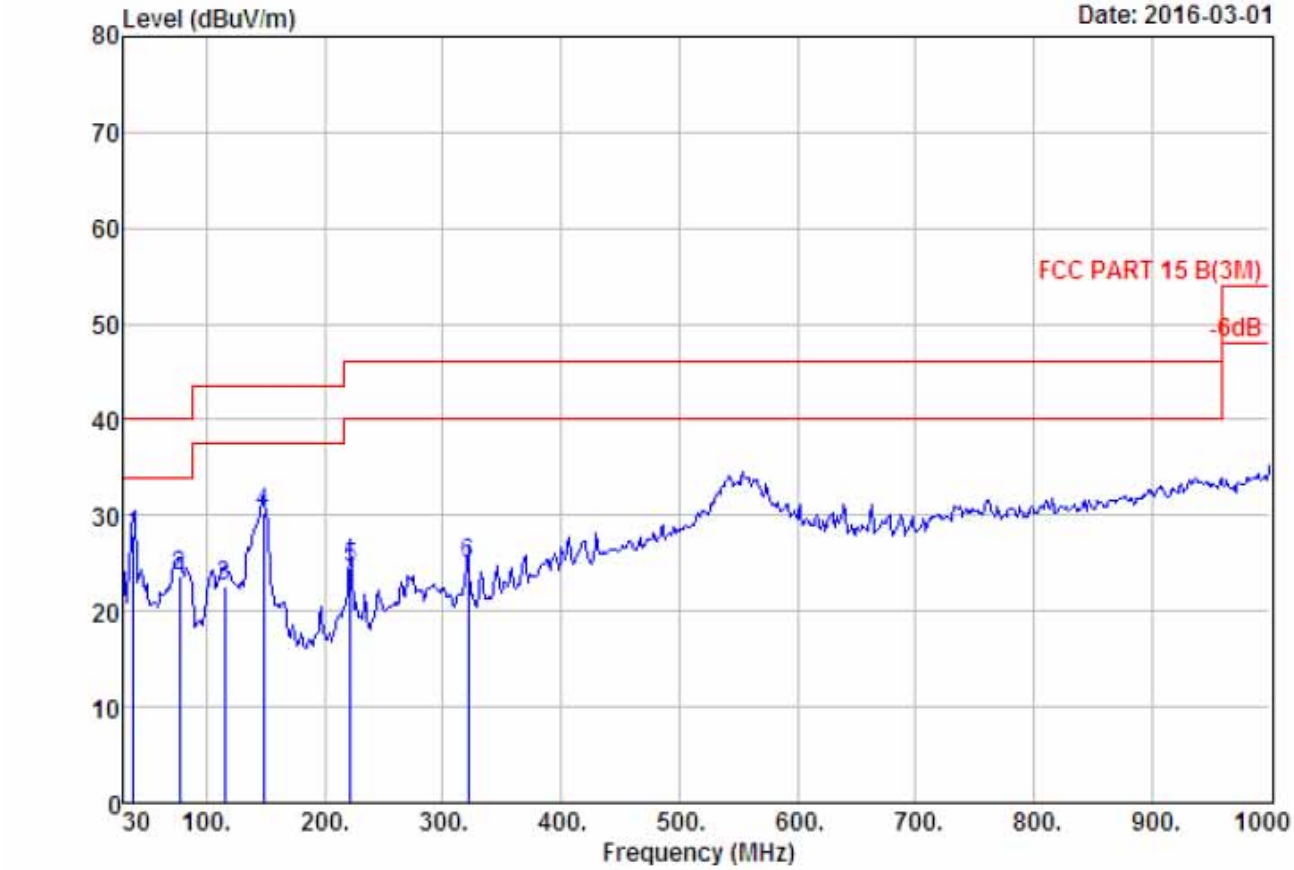
All the emissions from 30MHz to 25 GHz were comply with 15.209 limits.

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 、2441MHz 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.

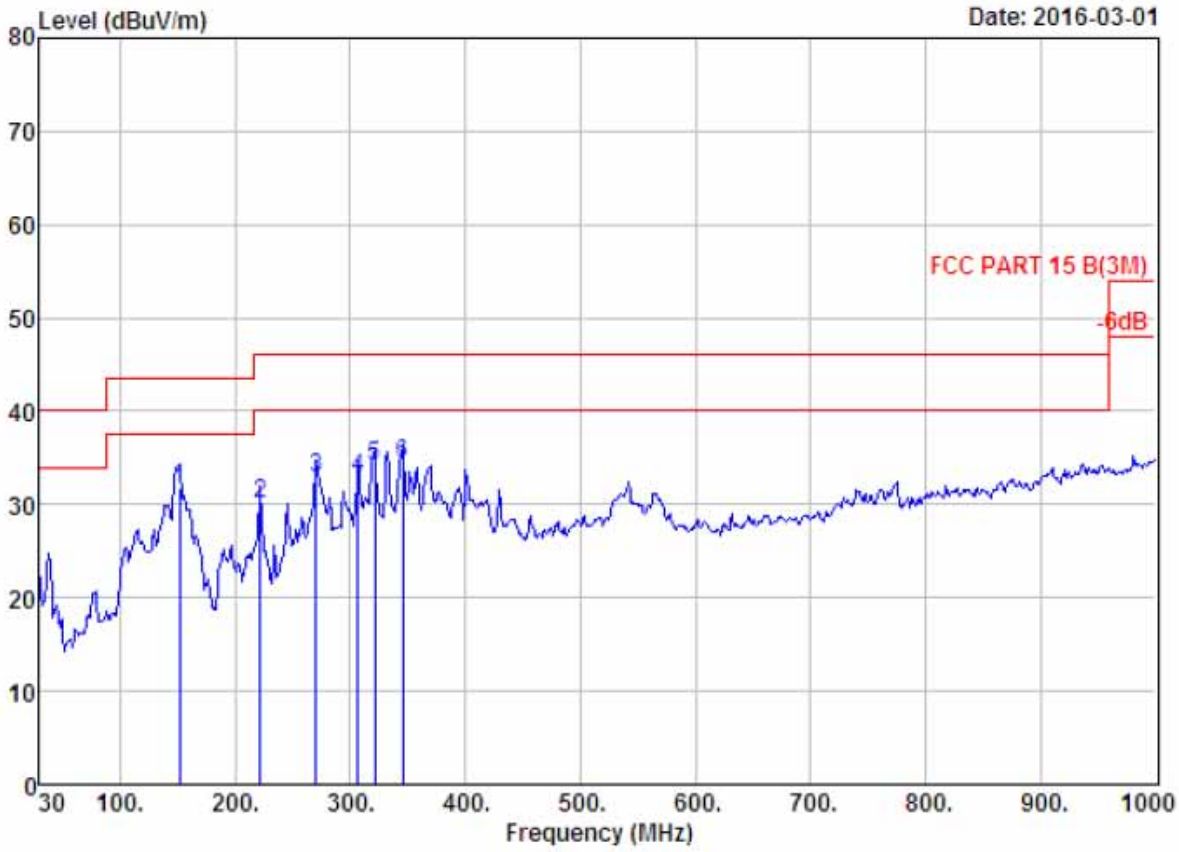
8.4. Test Data

30 MHz – 1000 MHz



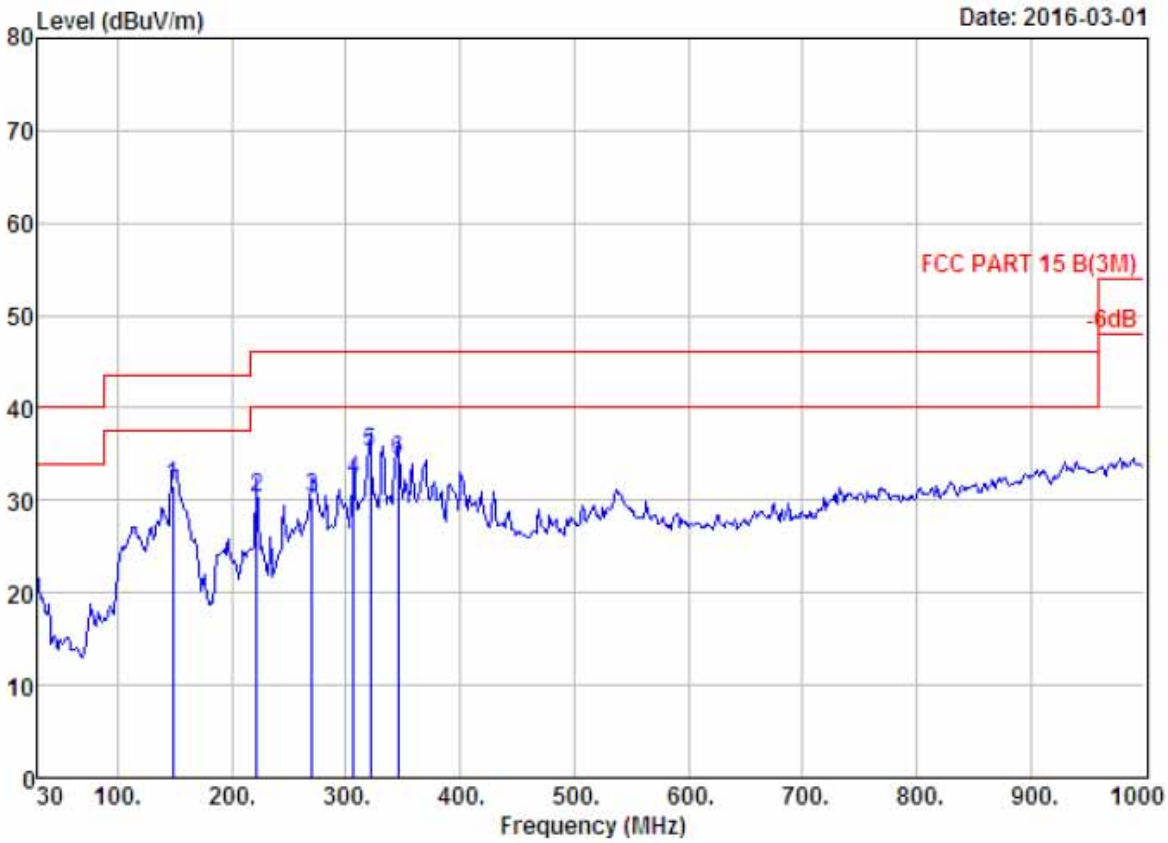
Site no. : 966 1# chamber Data no. : 329
Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
Limit : FCC PART 15 B(3M)
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : GFSK TX 2402MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	37.76	14.05	0.79	13.13	27.97	40.00	12.03	QP
2	77.53	6.80	1.20	15.58	23.58	40.00	16.42	QP
3	115.36	10.93	1.46	10.25	22.64	43.50	20.86	QP
4	148.34	11.00	1.69	17.58	30.27	43.50	13.23	QP
5	222.06	9.31	2.01	13.11	24.43	46.00	21.57	QP
6	321.00	13.60	2.41	8.93	24.94	46.00	21.06	QP



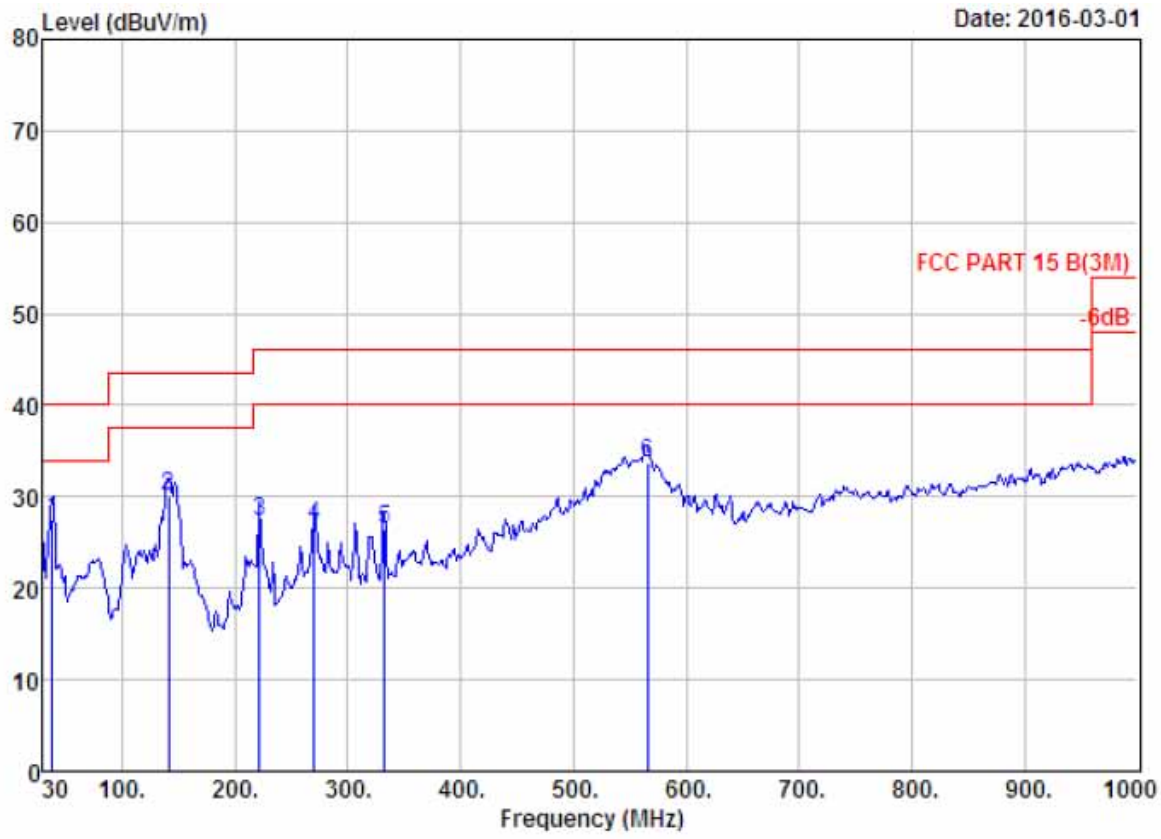
Site no. : 966 1# chamber Data no. : 330
Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
Limit : FCC PART 15 B(3M)
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : GFSK TX 2402MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	151.25	10.82	1.61	19.42	31.85	43.50	11.65	QP
2	222.06	9.31	2.01	18.70	30.02	46.00	15.98	QP
3	270.56	12.53	2.27	18.03	32.83	46.00	13.17	QP
4	306.45	13.13	2.35	17.32	32.80	46.00	13.20	QP
5	321.00	13.60	2.41	18.06	34.07	46.00	11.93	QP
6	345.25	14.32	2.54	17.59	34.45	46.00	11.55	QP



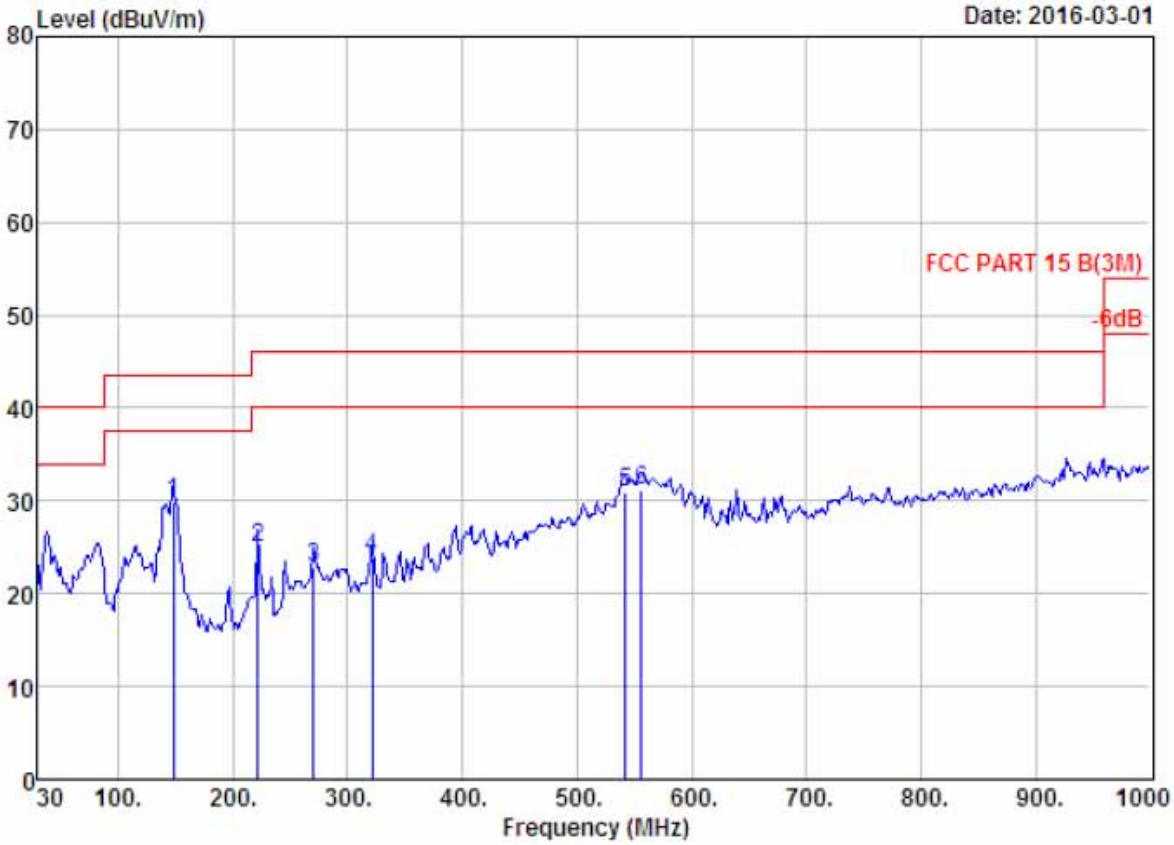
Site no. : 966 1# chamber Data no. : 331
Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
Limit : FCC PART 15 B(3M)
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : GFSK TX 2441MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	148.34	11.00	1.69	18.93	31.62	43.50	11.88	QP
2	222.06	9.31	2.01	19.01	30.33	46.00	15.67	QP
3	270.56	12.53	2.27	15.59	30.39	46.00	15.61	QP
4	306.45	13.13	2.35	16.81	32.29	46.00	13.71	QP
5	321.00	13.60	2.41	19.29	35.30	46.00	10.70	QP
6	345.25	14.32	2.54	17.56	34.42	46.00	11.58	QP



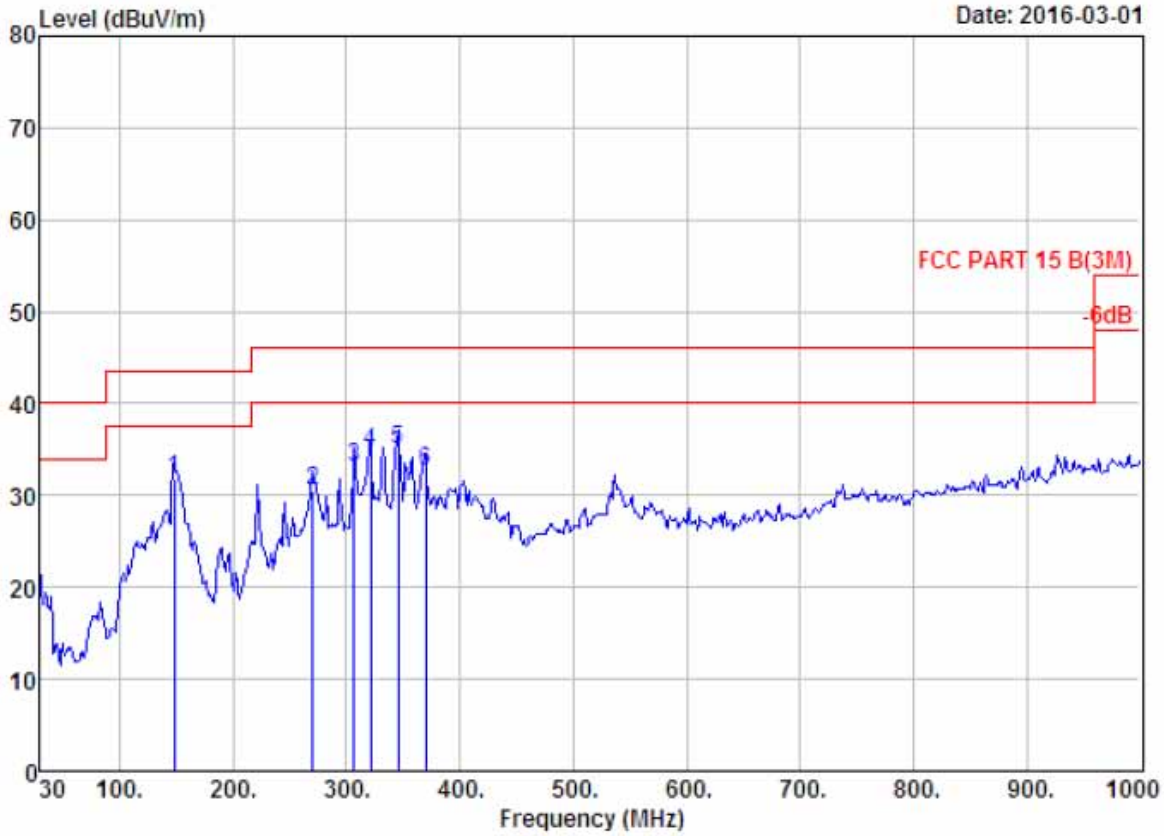

```
Site no.        : 966 1# chamber              Data no.  : 332
Dis. / Ant.     : 3m   27137                  Ant. pol. : VERTICAL
Limit           : FCC PART 15 B(3M)
Env. / Ins.     : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer        : Tony
EUT             : Speaker
Power           : AC 120V/60Hz
M/N             : EON ONE
Test Mode       : GFSK TX 2441MHz
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	37.76	14.05	0.79	12.77	27.61	40.00	12.39	QP
2	141.55	11.36	1.51	17.15	30.02	43.50	13.48	QP
3	222.06	9.31	2.01	16.02	27.34	46.00	18.66	QP
4	270.56	12.53	2.27	12.19	26.99	46.00	19.01	QP
5	332.64	13.93	2.48	10.00	26.41	46.00	19.59	QP
6	565.44	19.65	3.31	10.74	33.70	46.00	12.30	QP



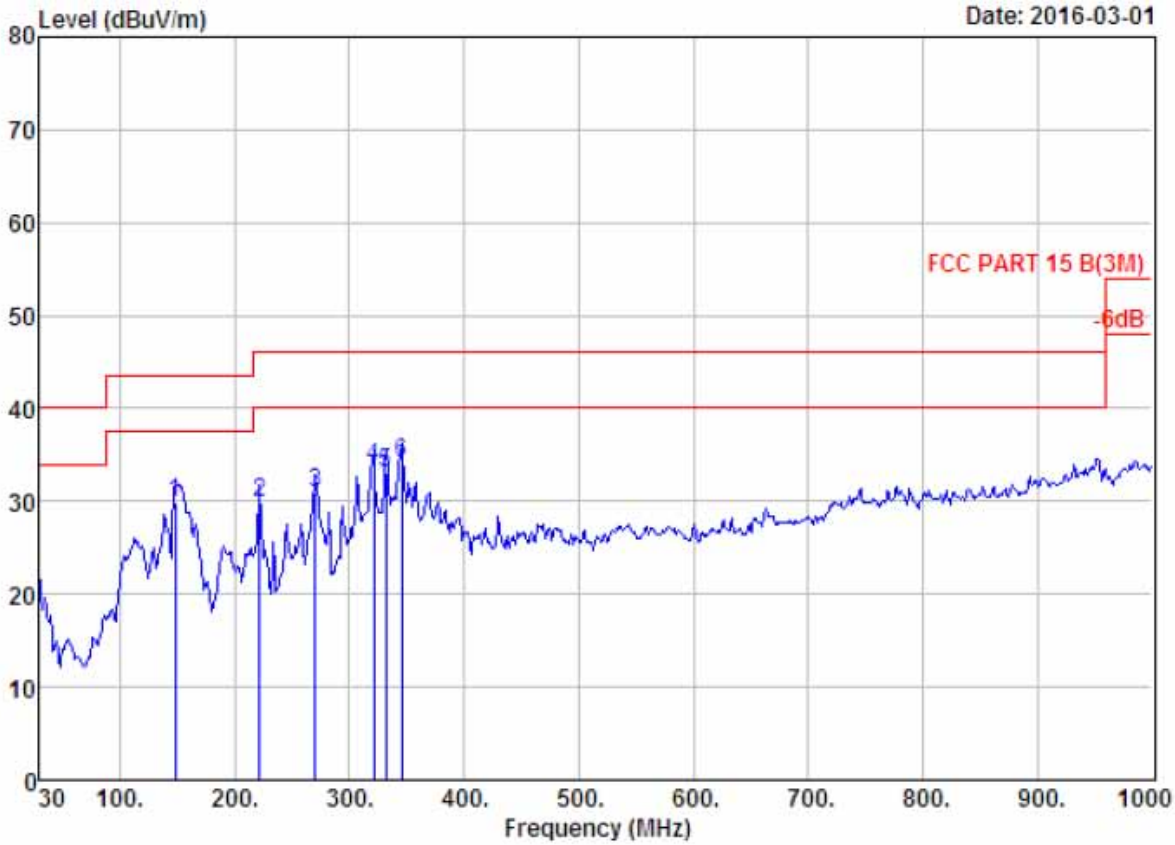
Site no. : 966 1# chamber Data no. : 333
Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
Limit : FCC PART 15 B(3M)
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : GFSK TX 2480MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	148.34	11.00	1.69	17.26	29.95	43.50	13.55	QP
2	222.06	9.31	2.01	13.63	24.95	46.00	21.05	QP
3	270.56	12.53	2.27	8.06	22.86	46.00	23.14	QP
4	321.00	13.60	2.41	7.81	23.82	46.00	22.18	QP
5	542.16	19.46	3.24	8.21	30.91	46.00	15.09	QP
6	555.74	19.61	3.25	8.23	31.09	46.00	14.91	QP



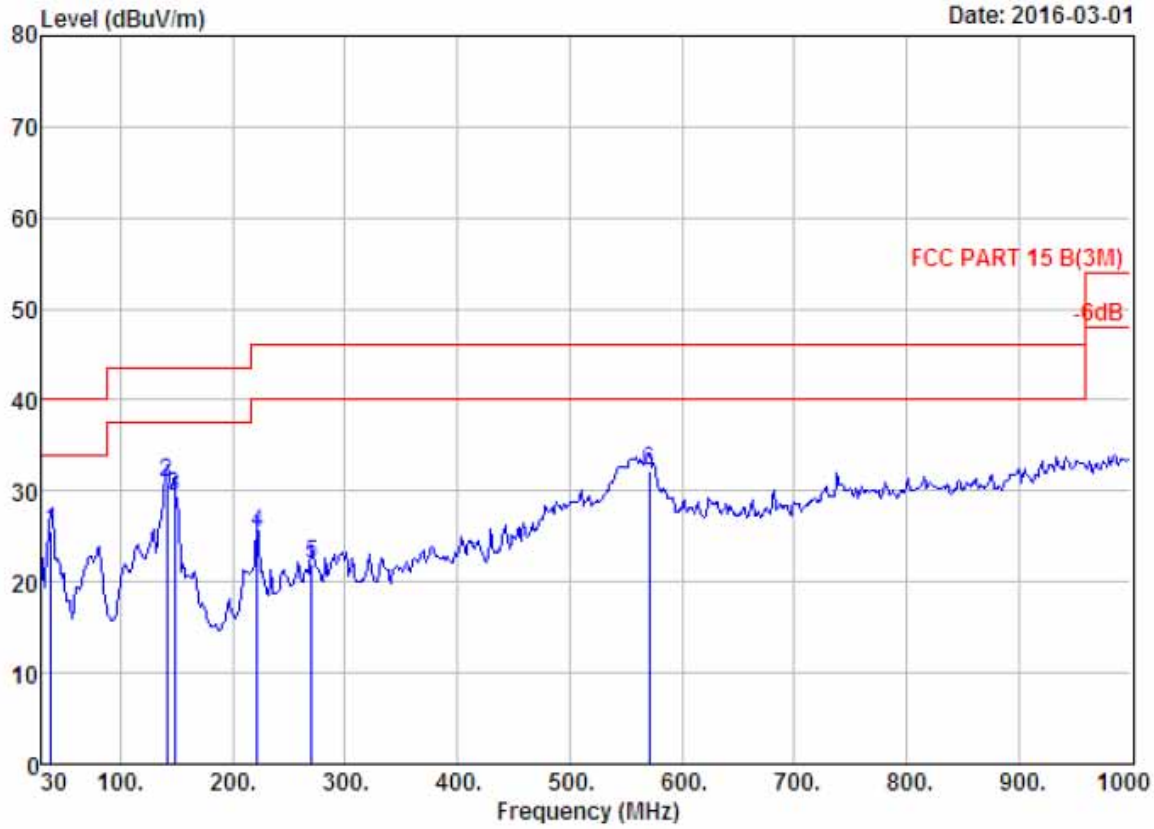
Site no. : 966 1# chamber Data no. : 334
Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
Limit : FCC PART 15 B(3M)
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : GFSK TX 2480MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	148.34	11.00	1.69	19.00	31.69	43.50	11.81	QP
2	270.56	12.53	2.27	15.74	30.54	46.00	15.46	QP
3	306.45	13.13	2.35	17.68	33.16	46.00	12.84	QP
4	321.00	13.60	2.41	18.80	34.81	46.00	11.19	QP
5	345.25	14.32	2.54	18.21	35.07	46.00	10.93	QP
6	369.50	14.84	2.65	15.13	32.62	46.00	13.38	QP



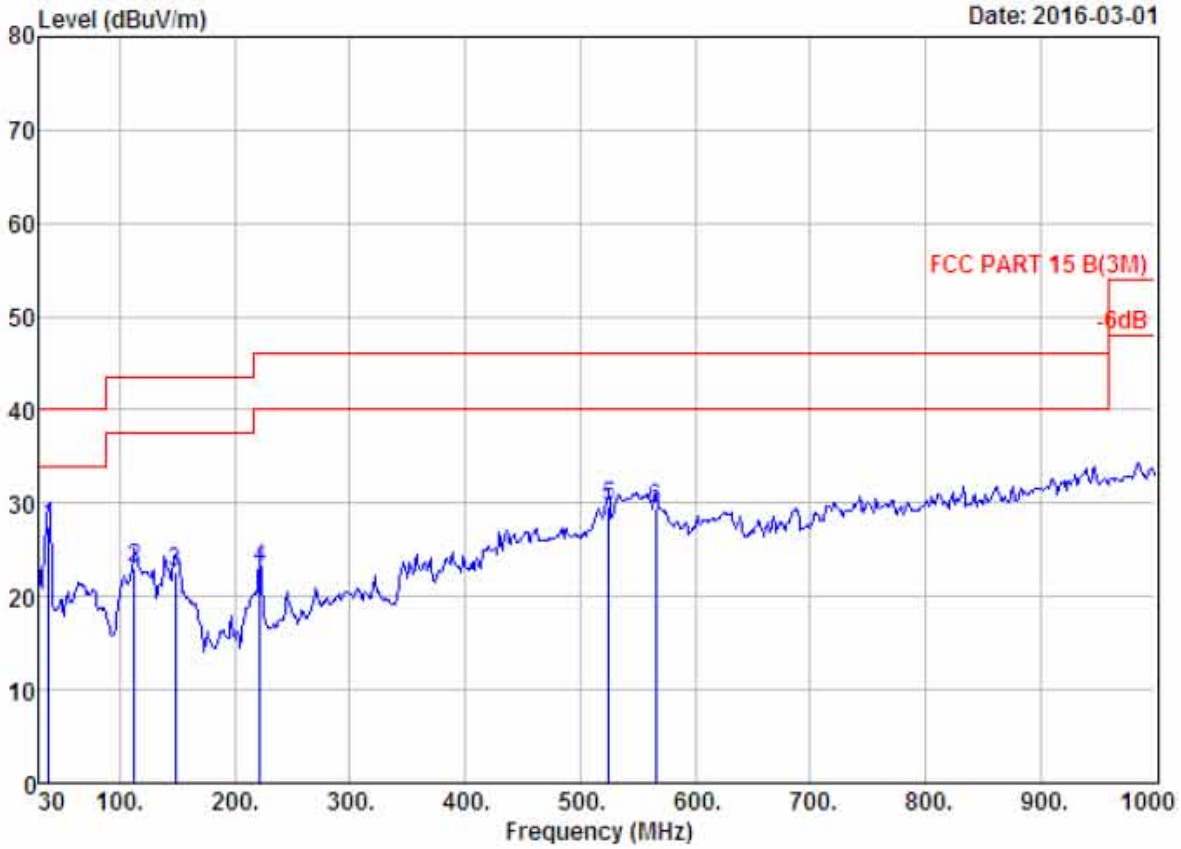
Site no. : 966 1# chamber Data no. : 335
Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
Limit : FCC PART 15 B(3M)
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : 8-DPSK TX 2402MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	148.34	11.00	1.69	17.18	29.87	43.50	13.63	QP
2	222.06	9.31	2.01	18.49	29.81	46.00	16.19	QP
3	270.56	12.53	2.27	16.16	30.96	46.00	15.04	QP
4	321.00	13.60	2.41	17.60	33.61	46.00	12.39	QP
5	331.67	13.91	2.46	16.80	33.17	46.00	12.83	QP
6	345.25	14.32	2.54	17.31	34.17	46.00	11.83	QP



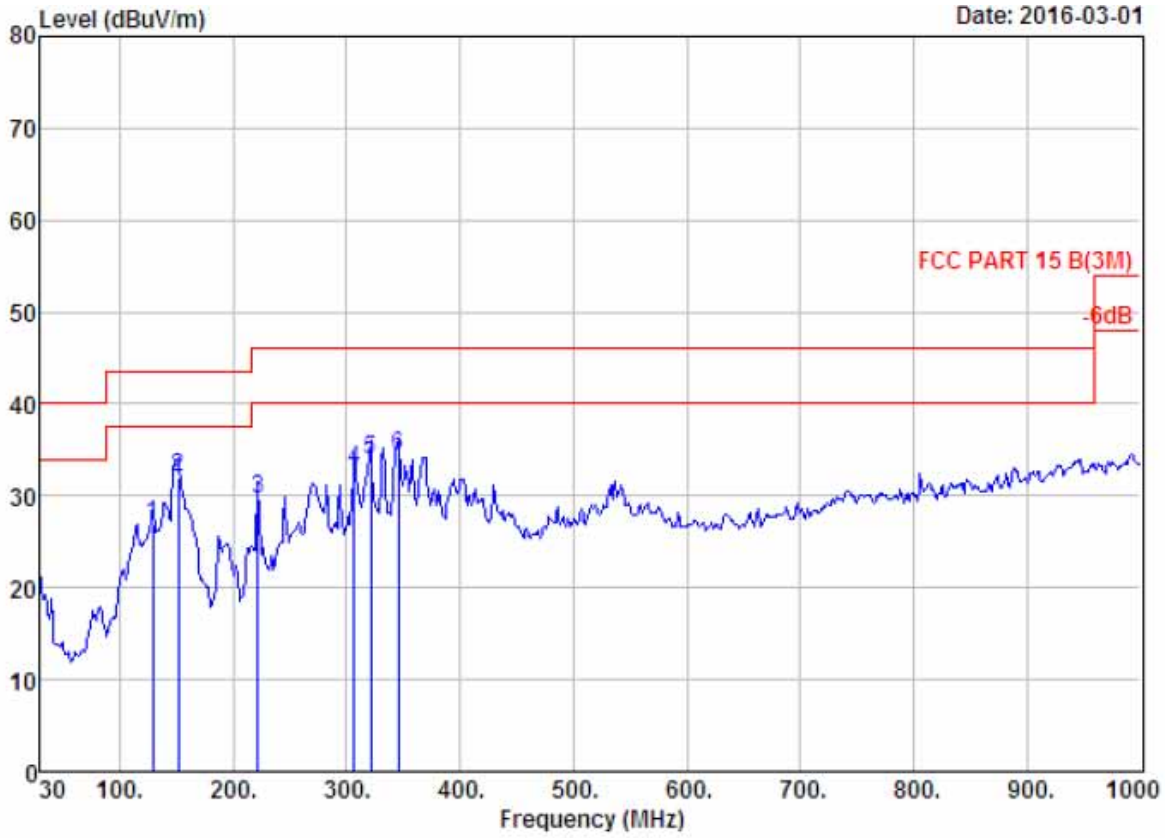
Site no. : 966 1# chamber Data no. : 336
Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
Limit : FCC PART 15 B(3M)
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : 8-DPSK TX 2402MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	37.76	14.05	0.79	10.85	25.69	40.00	14.31	QP
2	141.55	11.36	1.51	18.04	30.91	43.50	12.59	QP
3	148.34	11.00	1.69	16.79	29.48	43.50	14.02	QP
4	222.06	9.31	2.01	13.99	25.31	46.00	20.69	QP
5	270.56	12.53	2.27	7.22	22.02	46.00	23.98	QP
6	571.26	19.59	3.35	9.20	32.14	46.00	13.86	QP



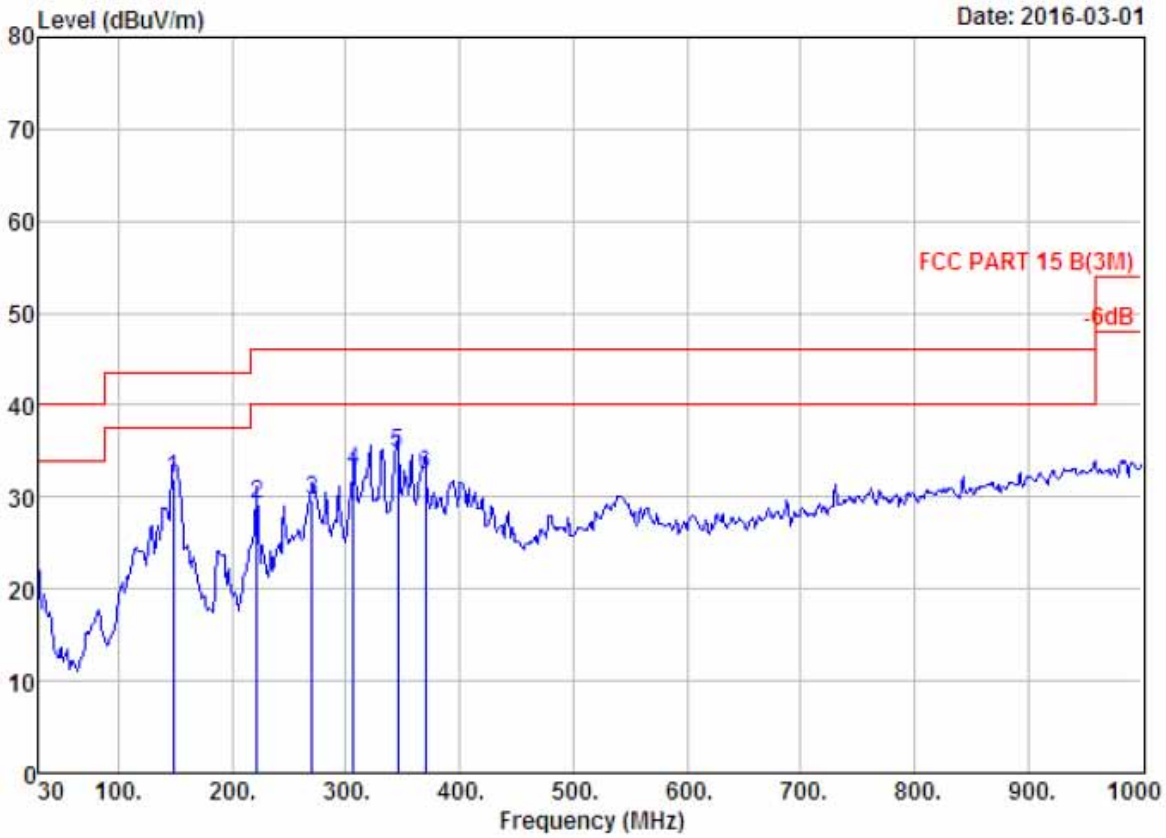

```
Site no.        : 966 1# chamber              Data no.  : 337
Dis. / Ant.     : 3m   27137                  Ant. pol. : VERTICAL
Limit           : FCC PART 15 B(3M)
Env. / Ins.     : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer        : Tony
EUT             : Speaker
Power           : AC 120V/60Hz
M/N             : EON ONE
Test Mode       : 8-DPSK TX 2441MHz
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	37.76	14.05	0.79	12.76	27.60	40.00	12.40	QP
2	112.45	10.68	1.43	11.04	23.15	43.50	20.35	QP
3	148.34	11.00	1.69	9.94	22.63	43.50	20.87	QP
4	222.06	9.31	2.01	11.81	23.13	46.00	22.87	QP
5	524.70	18.09	3.19	8.33	29.61	46.00	16.39	QP
6	565.44	19.65	3.31	6.39	29.35	46.00	16.65	QP



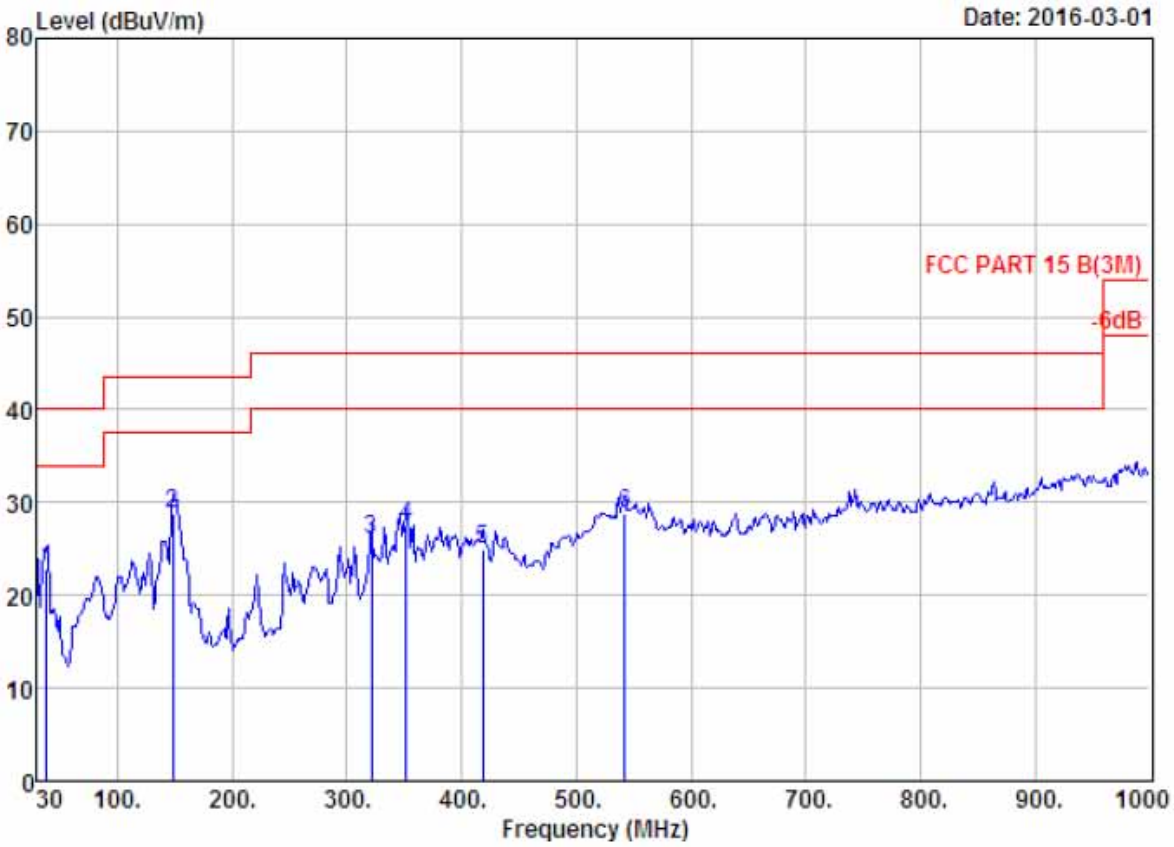
Site no. : 966 1# chamber Data no. : 338
Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
Limit : FCC PART 15 B(3M)
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : 8-DPSK TX 2441MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	128.94	11.33	1.47	14.00	26.80	43.50	16.70	QP
2	151.25	10.82	1.61	19.66	32.09	43.50	11.41	QP
3	222.06	9.31	2.01	18.35	29.67	46.00	16.33	QP
4	306.45	13.13	2.35	17.28	32.76	46.00	13.24	QP
5	321.00	13.60	2.41	18.00	34.01	46.00	11.99	QP
6	345.25	14.32	2.54	17.48	34.34	46.00	11.66	QP



Site no. : 966 1# chamber Data no. : 339
Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
Limit : FCC PART 15 B(3M)
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : 8-DPSK TX 2480MHz

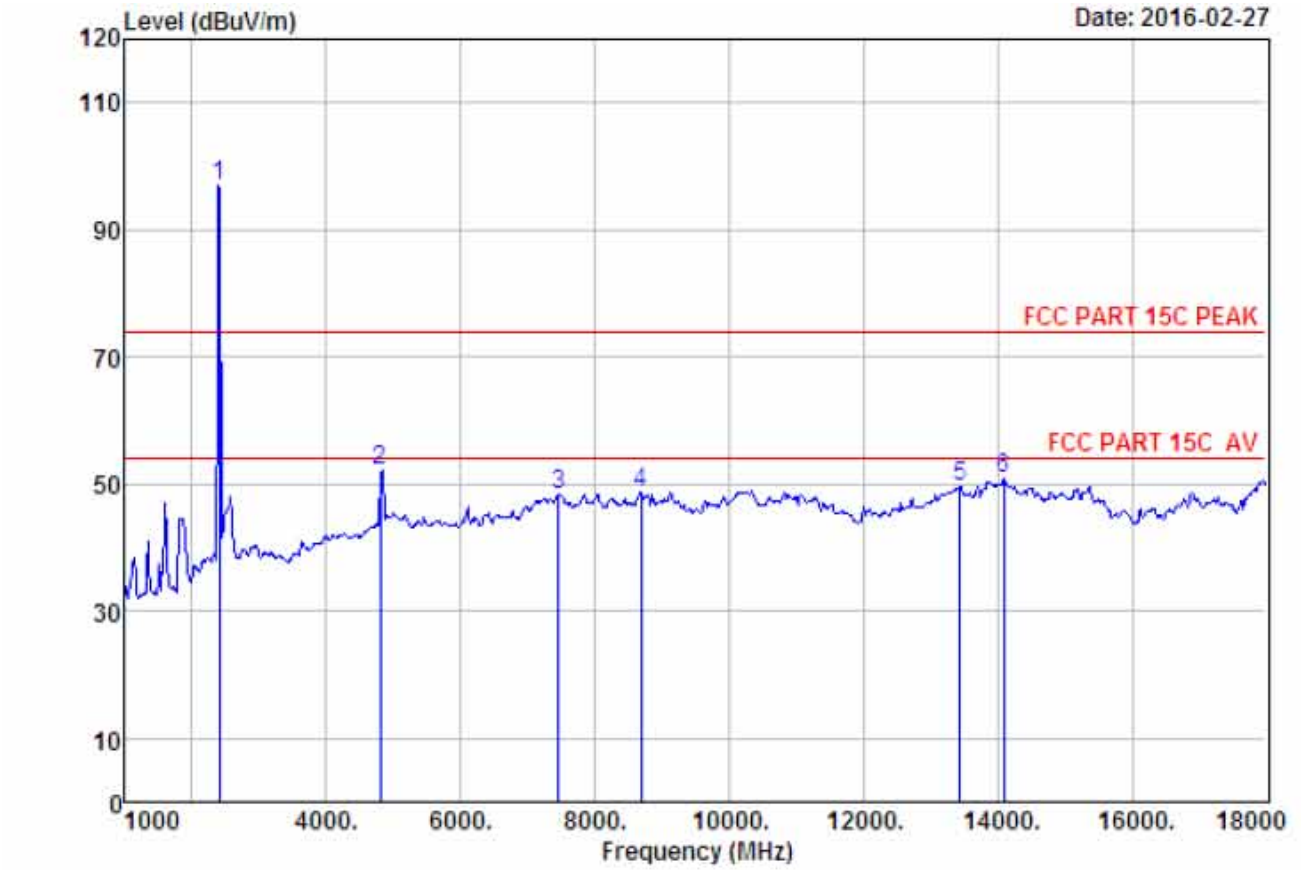
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	148.34	11.00	1.69	19.31	32.00	43.50	11.50	QP
2	222.06	9.31	2.01	17.88	29.20	46.00	16.80	QP
3	270.56	12.53	2.27	14.78	29.58	46.00	16.42	QP
4	306.45	13.13	2.35	17.30	32.78	46.00	13.22	QP
5	345.25	14.32	2.54	17.91	34.77	46.00	11.23	QP
6	369.50	14.84	2.65	15.03	32.52	46.00	13.48	QP




```
Site no.        : 966 1# chamber              Data no.  : 340
Dis. / Ant.     : 3m   27137                  Ant. pol. : VERTICAL
Limit           : FCC PART 15 B(3M)
Env. / Ins.     : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer        : Tony
EUT             : Speaker
Power           : AC 120V/60Hz
M/N             : EON ONE
Test Mode       : 8-DPSK TX 2480MHz
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	37.76	14.05	0.79	8.08	22.92	40.00	17.08	QP
2	148.34	11.00	1.69	16.17	28.86	43.50	14.64	QP
3	321.00	13.60	2.41	10.01	26.02	46.00	19.98	QP
4	352.04	14.47	2.53	10.45	27.45	46.00	18.55	QP
5	418.00	16.30	2.74	6.00	25.04	46.00	20.96	QP
6	542.16	19.46	3.24	6.09	28.79	46.00	17.21	QP

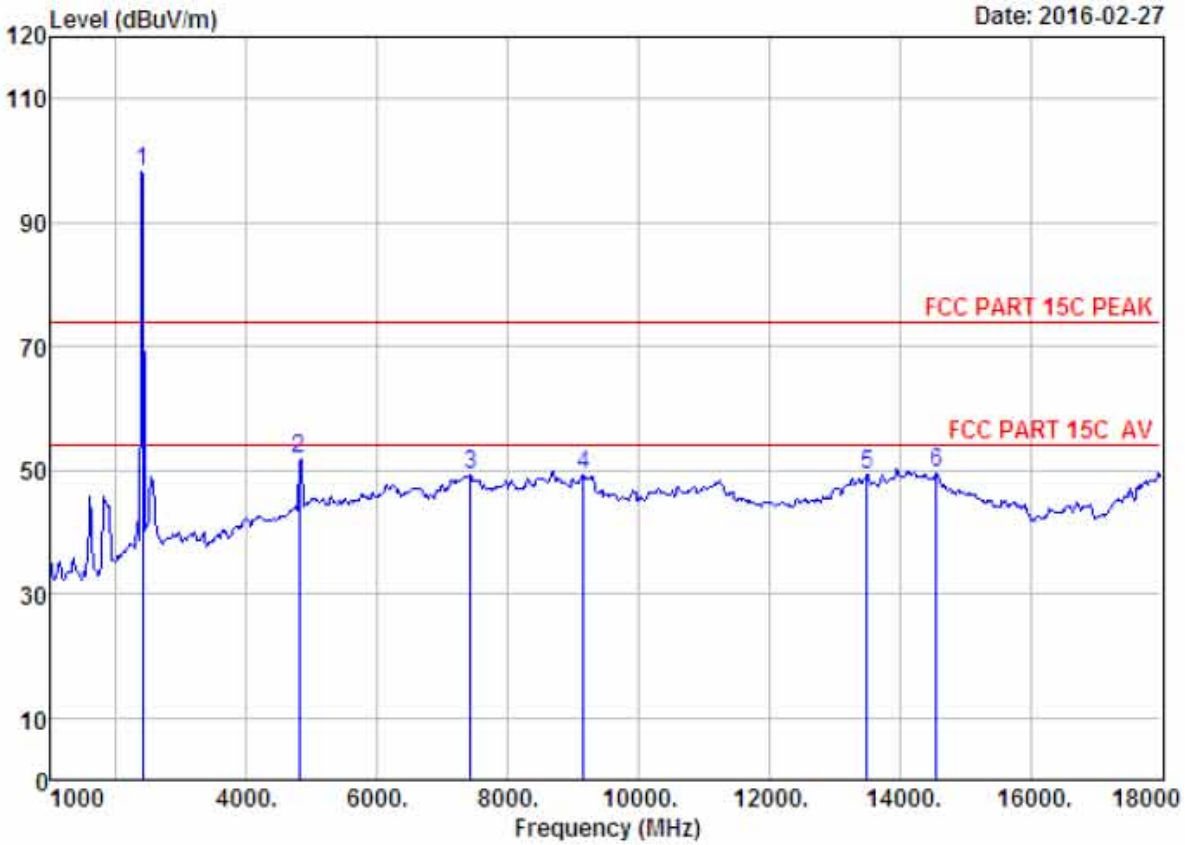
1000 MHz – 18000MHz



Site no. : 1# 966 chamber Data no. : 265
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
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	27.61	6.62	34.64	97.53	97.12	74.00	-23.12	Peak
2	4804.00	31.25	11.77	35.64	44.90	52.28	74.00	21.72	Peak
3	7460.00	36.52	11.61	34.21	34.55	48.47	74.00	25.53	Peak
4	8684.00	37.32	11.45	33.66	33.63	48.74	74.00	25.26	Peak
5	13444.00	39.95	11.49	32.74	31.04	49.74	74.00	24.26	Peak
6	14090.00	41.54	10.91	33.13	31.71	51.03	74.00	22.97	Peak

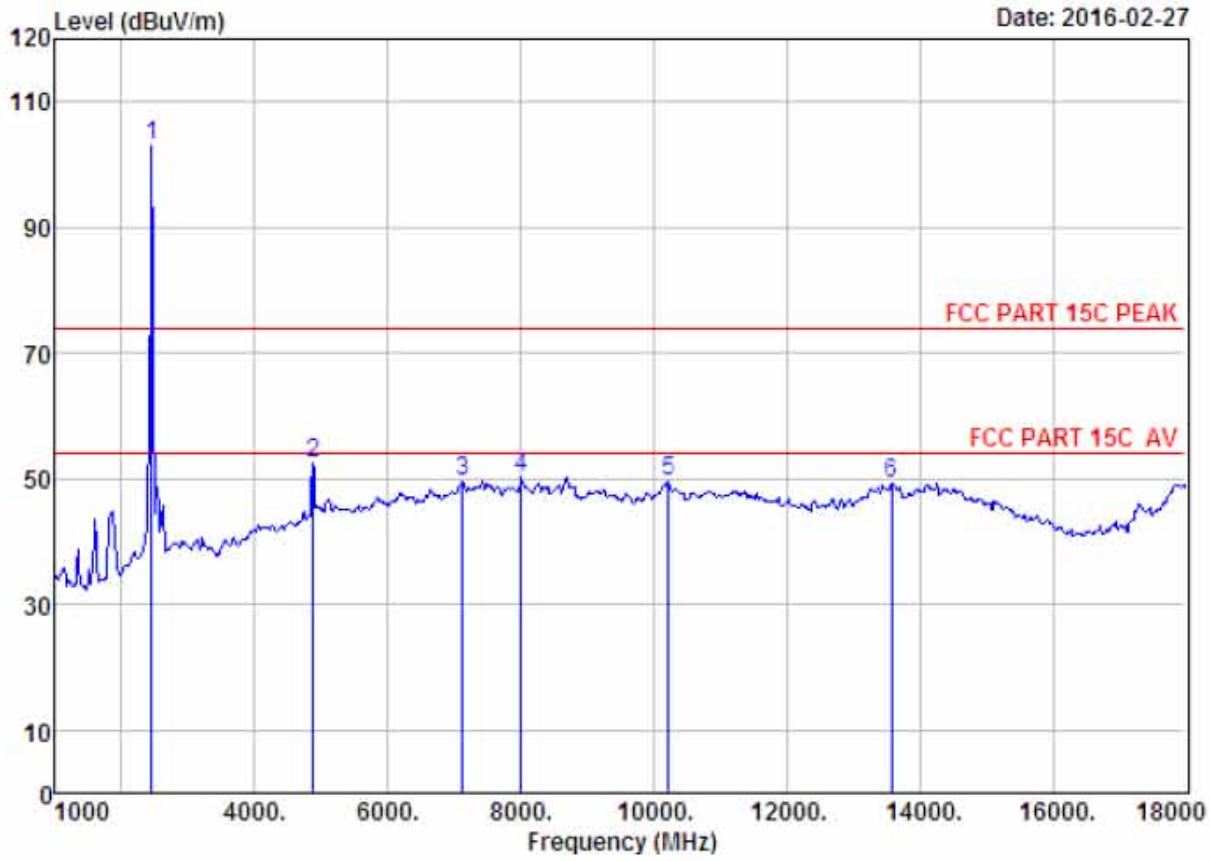
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 266
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
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	27.61	6.62	34.64	98.64	98.23	74.00	-24.23	Peak
2	4804.00	31.25	11.77	35.64	44.60	51.98	74.00	22.02	Peak
3	7426.00	36.56	11.60	34.22	35.45	49.39	74.00	24.61	Peak
4	9160.00	37.69	11.54	34.07	34.08	49.24	74.00	24.76	Peak
5	13495.00	40.07	11.50	32.65	30.52	49.44	74.00	24.56	Peak
6	14566.00	41.71	10.92	33.66	30.48	49.45	74.00	24.55	Peak

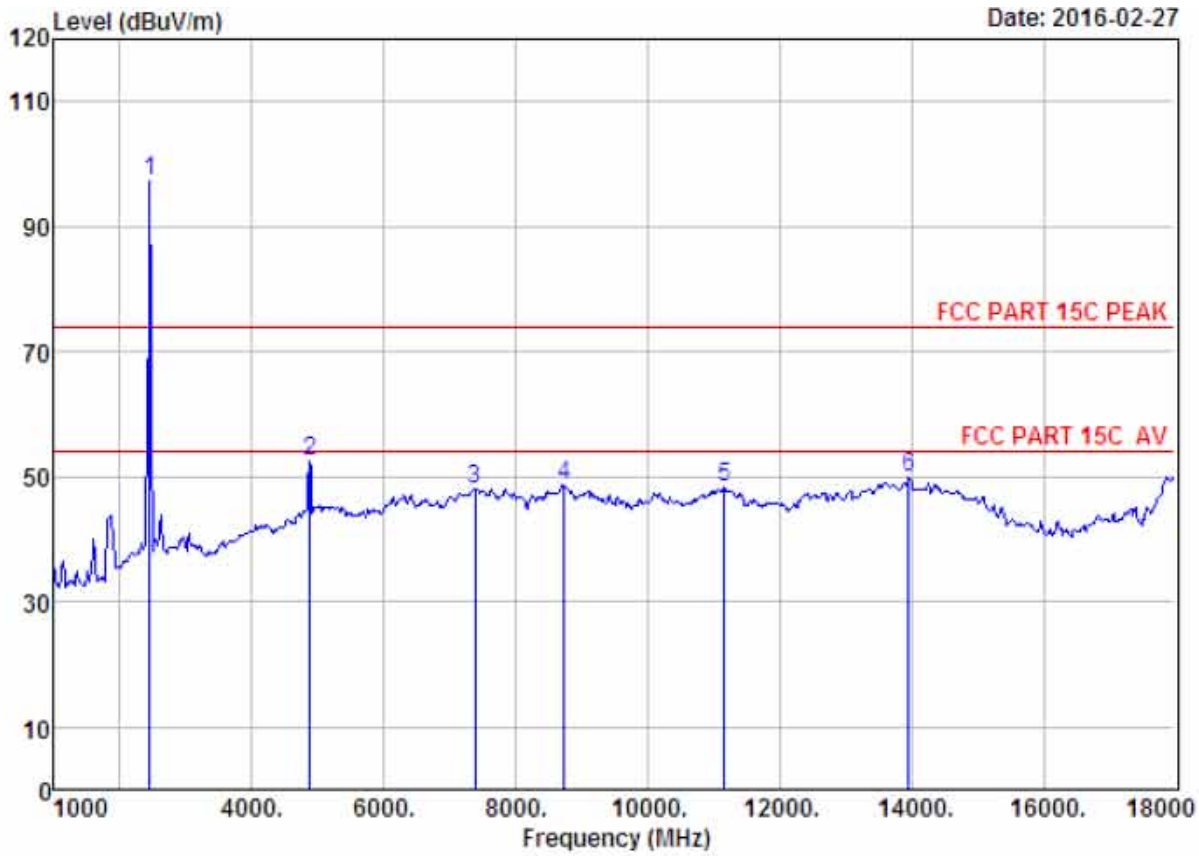
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 269
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : GFSK TX 2441MHz

	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	2441.00	27.60	6.67	34.85	103.64	103.06	74.00	-29.06	Peak
2	4882.00	31.37	12.07	35.76	44.89	52.57	74.00	21.43	Peak
3	7120.00	36.08	11.51	33.86	35.93	49.66	74.00	24.34	Peak
4	8004.00	37.01	11.40	34.96	36.70	50.15	74.00	23.85	Peak
5	10214.00	38.48	11.47	34.50	34.02	49.47	74.00	24.53	Peak
6	13580.00	40.31	11.40	32.64	30.26	49.33	74.00	24.67	Peak

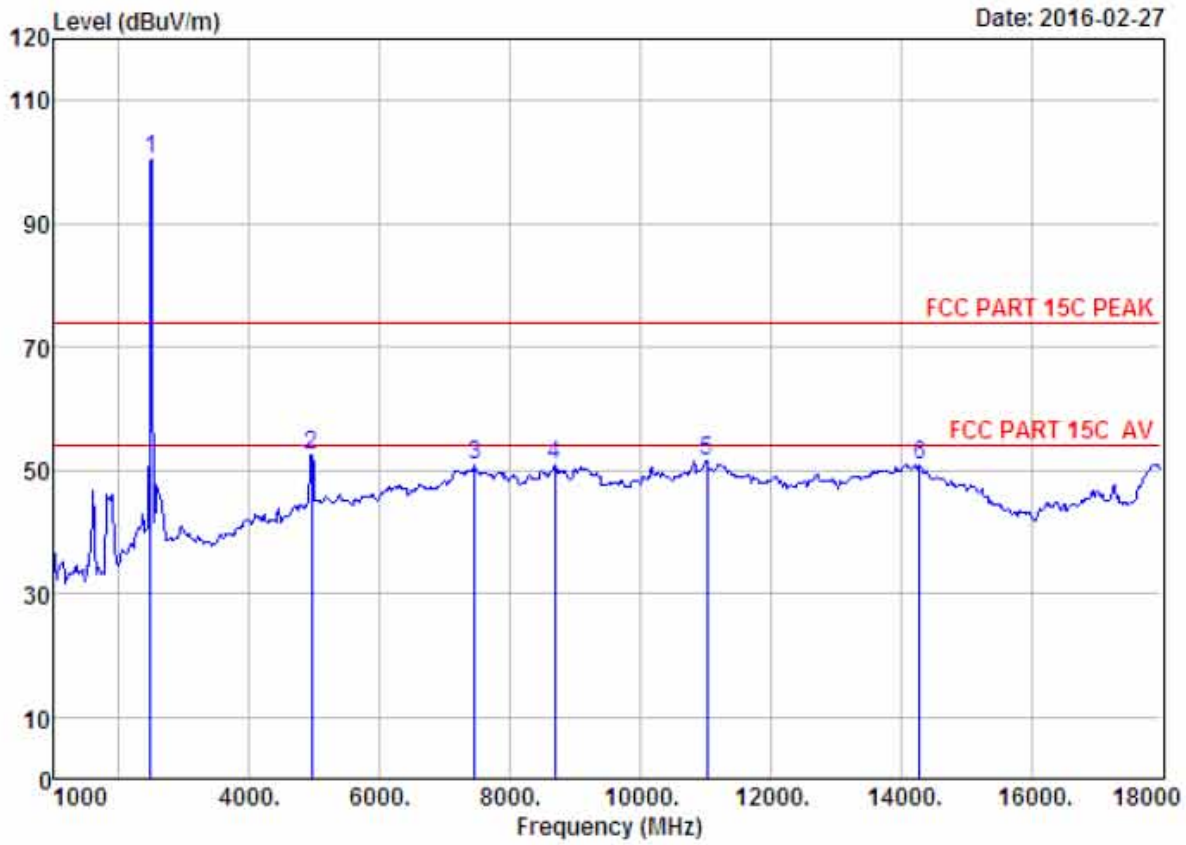
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 270
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : GFSK TX 2441MHz

	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	2441.00	27.60	6.67	34.85	97.85	97.27	74.00	-23.27	Peak
2	4882.00	31.37	12.07	35.76	44.95	52.63	74.00	21.37	Peak
3	7375.00	36.57	11.59	34.21	34.07	48.02	74.00	25.98	Peak
4	8735.00	37.40	11.45	33.76	33.60	48.69	74.00	25.31	Peak
5	11166.00	39.41	11.17	33.31	31.10	48.37	74.00	25.63	Peak
6	13954.00	41.35	10.96	32.99	30.69	50.01	74.00	23.99	Peak

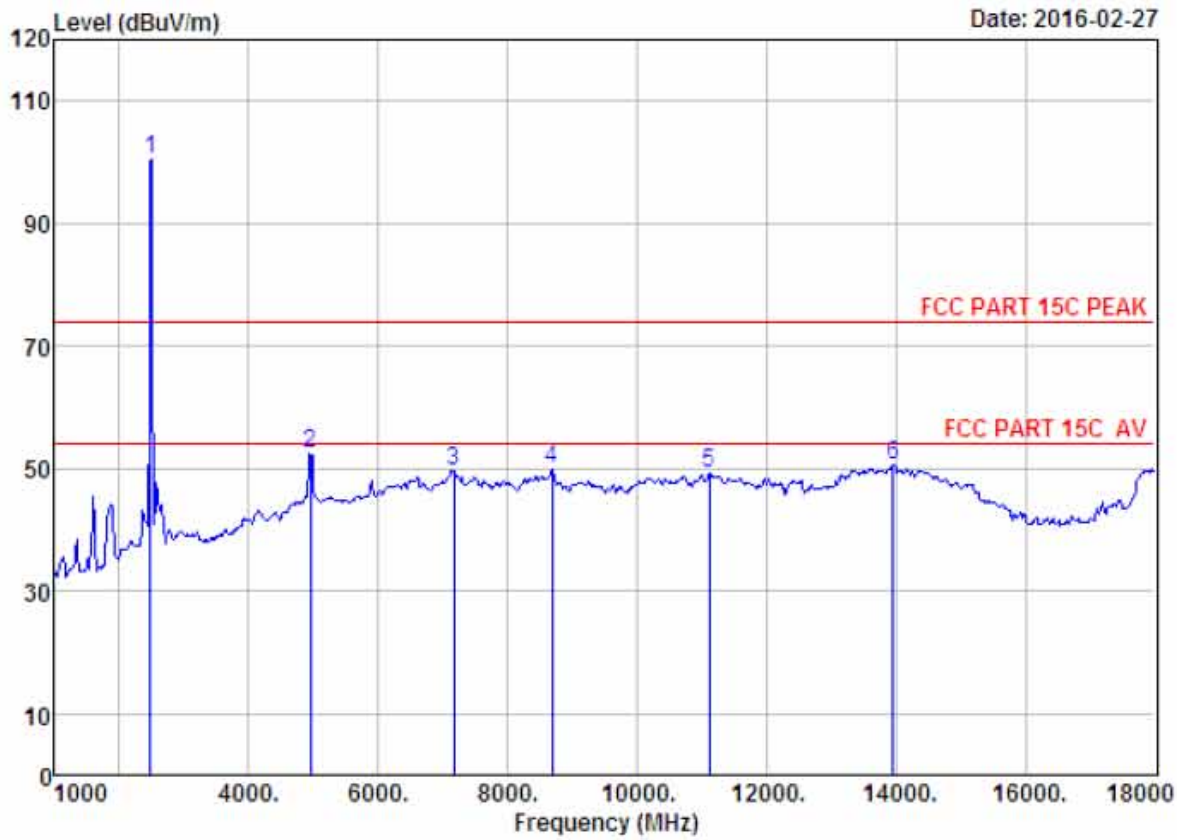
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 271
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
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	27.58	6.71	35.11	101.39	100.57	74.00	-26.57	Peak
2	4960.00	31.49	12.44	36.01	44.53	52.45	74.00	21.55	Peak
3	7460.00	36.52	11.61	34.21	36.94	50.86	74.00	23.14	Peak
4	8684.00	37.32	11.45	33.66	35.76	50.87	74.00	23.13	Peak
5	11030.00	39.50	11.27	33.98	34.88	51.67	74.00	22.33	Peak
6	14294.00	41.71	10.92	33.42	31.74	50.95	74.00	23.05	Peak

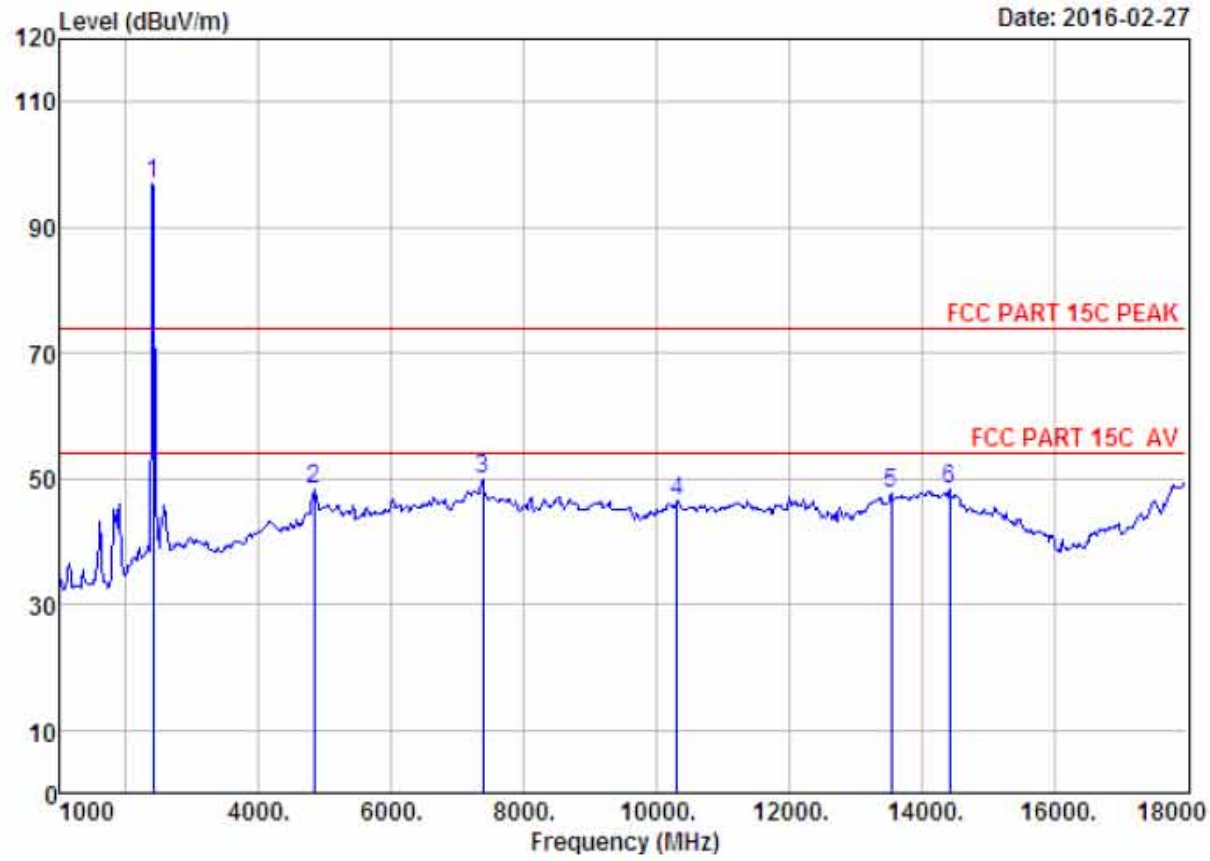
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 272
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
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	27.58	6.71	35.11	101.31	100.49	74.00	-26.49	Peak
2	4960.00	31.49	12.44	36.01	44.65	52.57	74.00	21.43	Peak
3	7171.00	36.34	11.53	33.90	35.72	49.69	74.00	24.31	Peak
4	8684.00	37.32	11.45	33.66	34.68	49.79	74.00	24.21	Peak
5	11115.00	39.44	11.20	33.55	32.34	49.43	74.00	24.57	Peak
6	13954.00	41.35	10.96	32.99	31.30	50.62	74.00	23.38	Peak

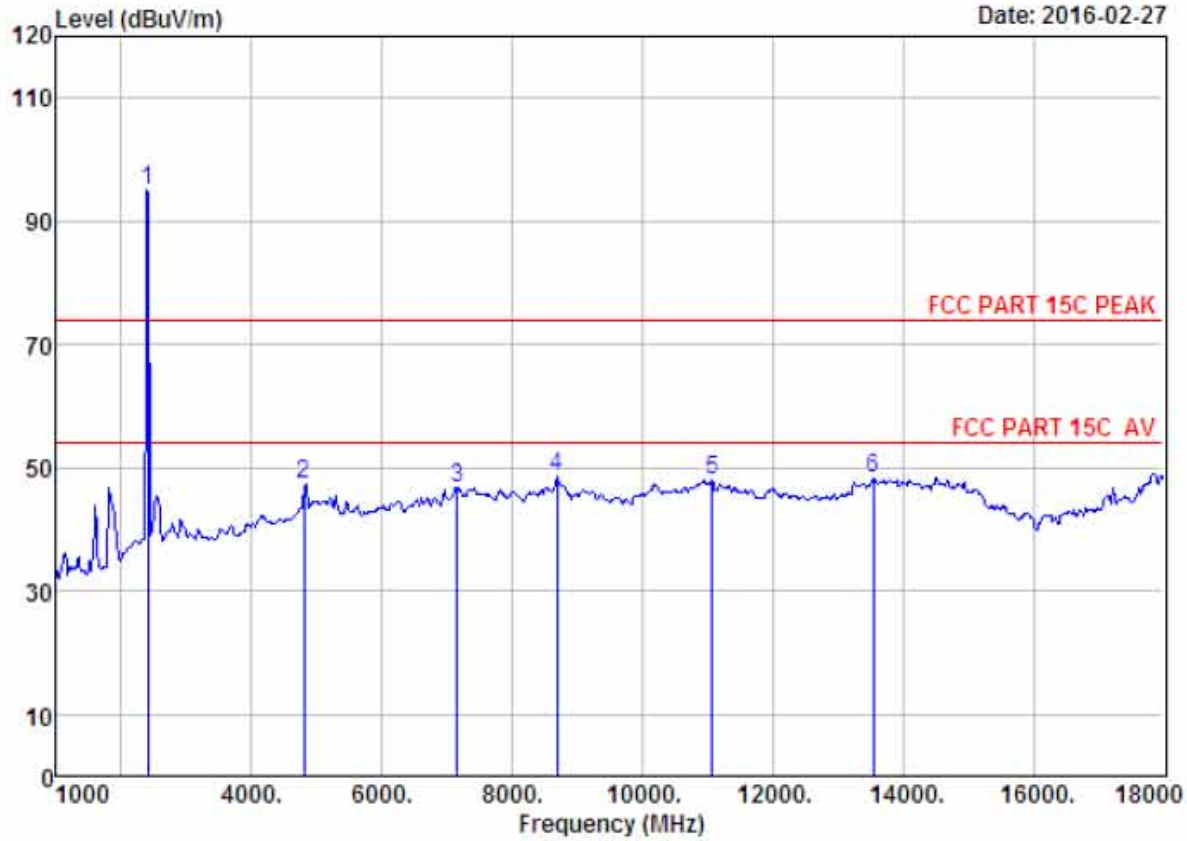
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 275
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : 8-DPSK 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	27.61	6.62	34.64	97.35	96.94	74.00	-22.94	Peak
2	4825.00	31.28	11.84	35.66	40.88	48.34	74.00	25.66	Peak
3	7375.00	36.57	11.59	34.21	35.93	49.88	74.00	24.12	Peak
4	10316.00	38.65	11.41	34.51	30.93	46.48	74.00	27.52	Peak
5	13546.00	40.21	11.44	32.61	28.58	47.62	74.00	26.38	Peak
6	14430.00	41.82	10.93	33.41	28.87	48.21	74.00	25.79	Peak

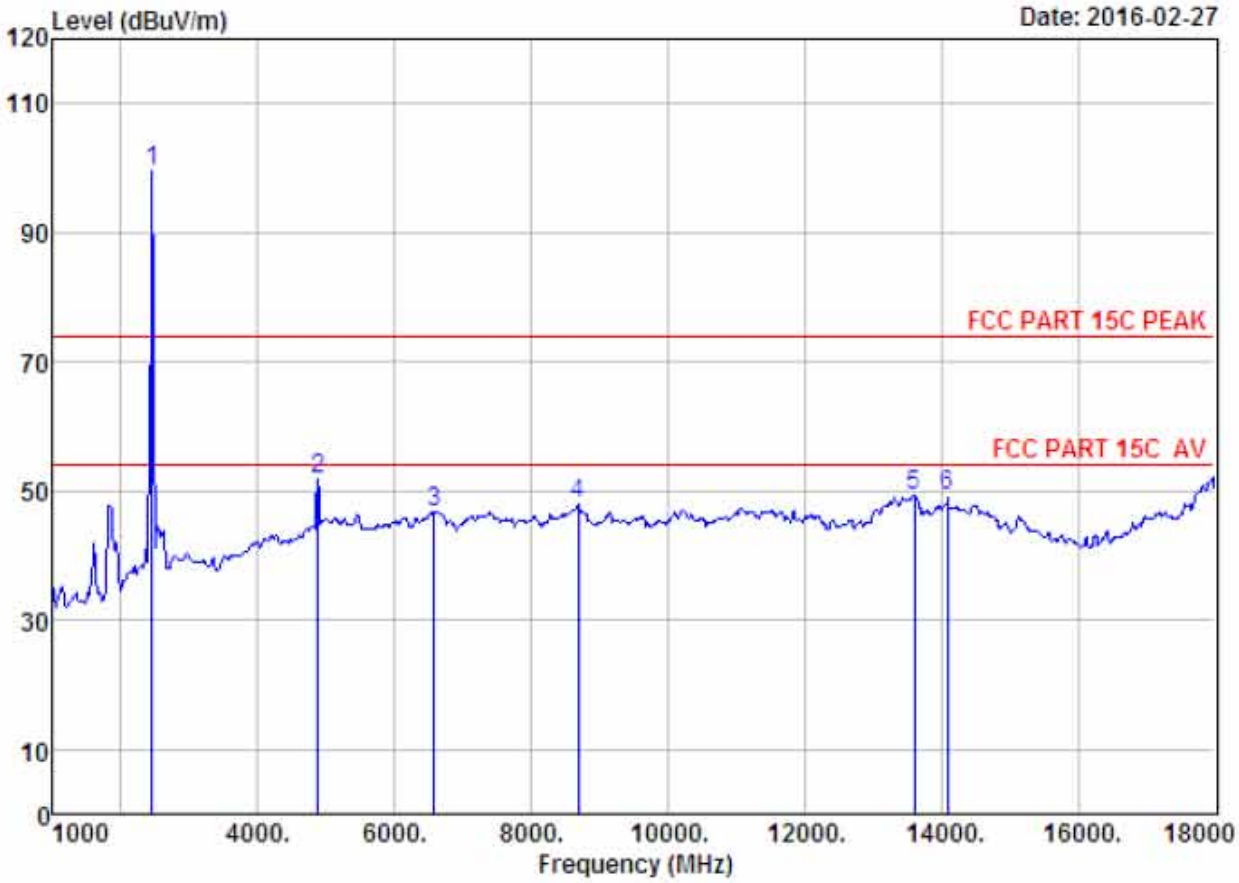
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 276
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : 8-DPSK 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	27.61	6.62	34.64	95.49	95.08	74.00	-21.08	Peak
2	4804.00	31.25	11.77	35.64	40.02	47.40	74.00	26.60	Peak
3	7154.00	36.25	11.52	33.88	32.83	46.72	74.00	27.28	Peak
4	8684.00	37.32	11.45	33.66	33.38	48.49	74.00	25.51	Peak
5	11064.00	39.48	11.24	33.83	31.09	47.98	74.00	26.02	Peak
6	13546.00	40.21	11.44	32.61	29.30	48.34	74.00	25.66	Peak

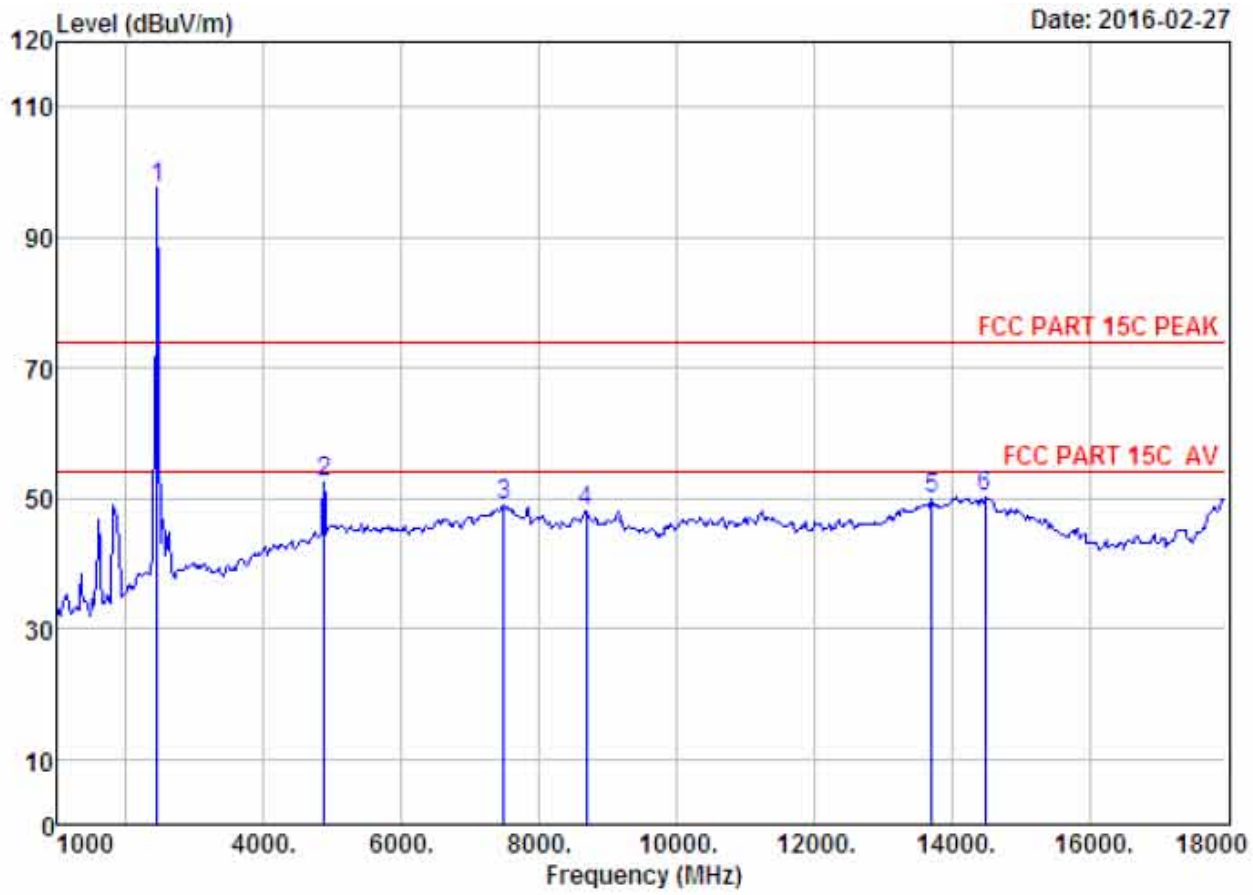
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 279
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : 8-DPSK TX 2441MHz

	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	2441.00	27.60	6.67	34.85	100.18	99.60	74.00	-25.60	Peak
2	4882.00	31.37	12.07	35.76	44.21	51.89	74.00	22.11	Peak
3	6576.00	34.42	12.13	34.80	35.05	46.80	74.00	27.20	Peak
4	8684.00	37.32	11.45	33.66	32.73	47.84	74.00	26.16	Peak
5	13614.00	40.40	11.36	32.68	30.30	49.38	74.00	24.62	Peak
6	14090.00	41.54	10.91	33.13	29.81	49.13	74.00	24.87	Peak

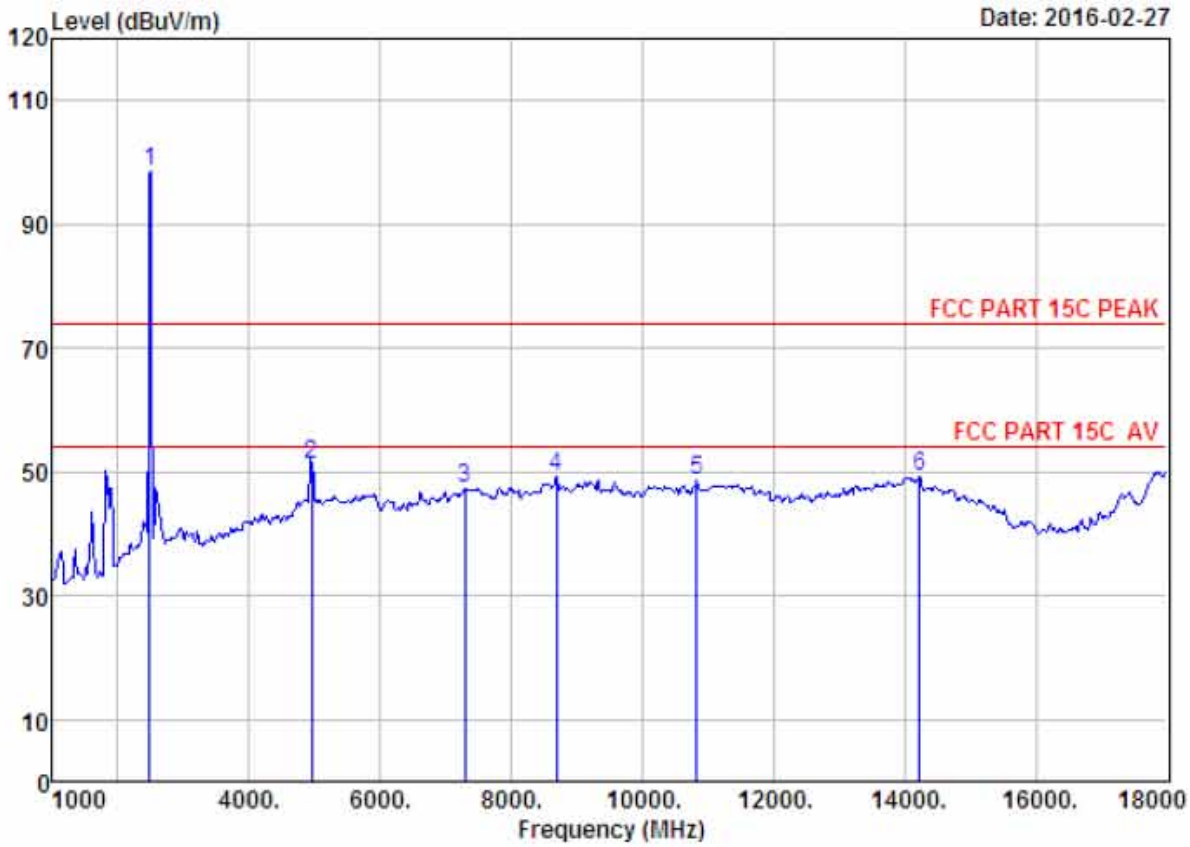
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 280
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : 8-DPSK TX 2441MHz

	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	2441.00	27.60	6.67	34.85	98.09	97.51	74.00	-23.51	Peak
2	4882.00	31.37	12.07	35.76	44.68	52.36	74.00	21.64	Peak
3	7494.00	36.48	11.62	34.18	34.95	48.87	74.00	25.13	Peak
4	8684.00	37.32	11.45	33.66	32.99	48.10	74.00	25.90	Peak
5	13716.00	40.69	11.24	32.94	30.89	49.88	74.00	24.12	Peak
6	14481.00	41.86	10.93	33.49	30.92	50.22	74.00	23.78	Peak

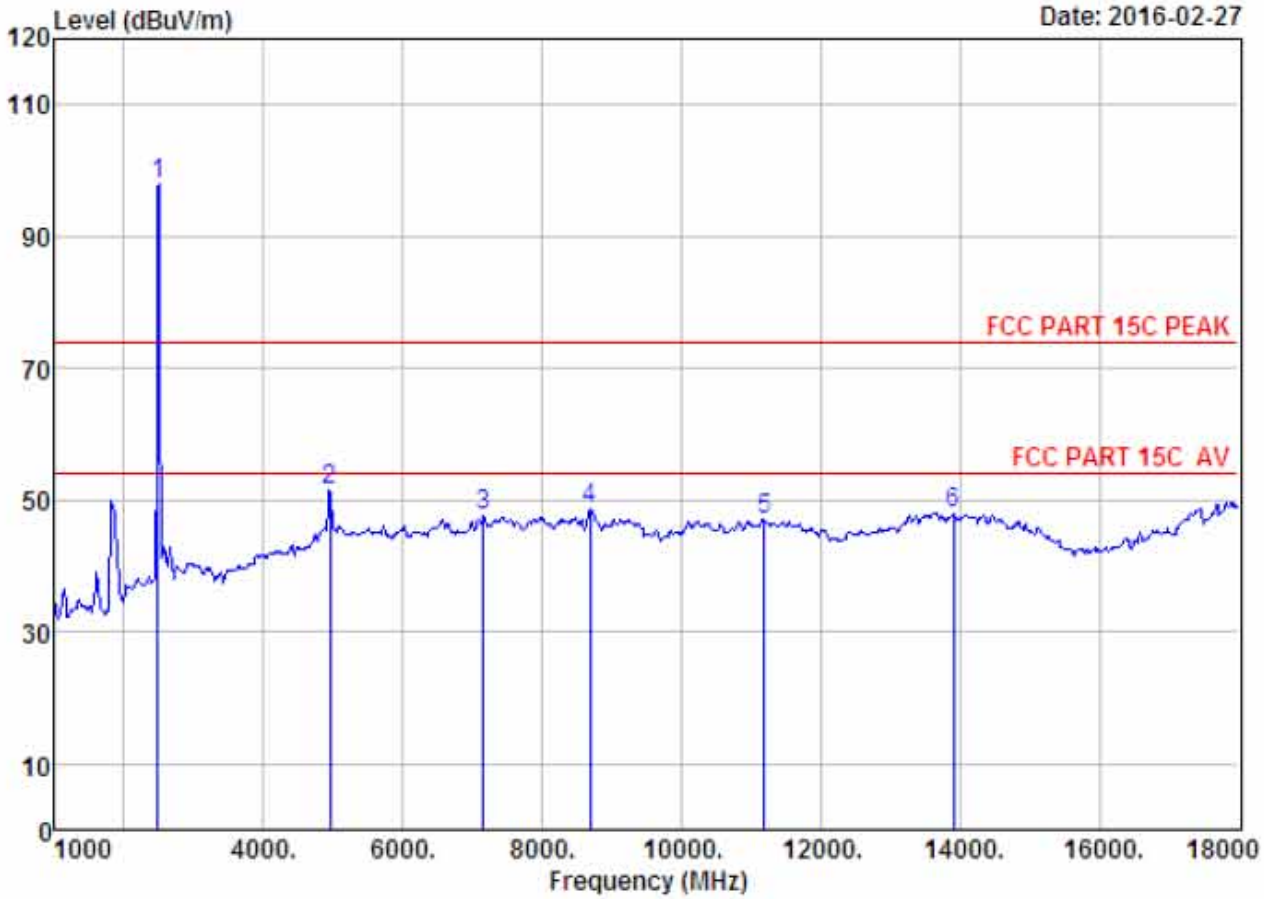
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 281
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : 8-DPSK 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	27.58	6.71	35.11	99.31	98.49	74.00	-24.49	Peak
2	4960.00	31.49	12.44	36.01	43.20	51.12	74.00	22.88	Peak
3	7290.00	36.54	11.56	34.09	33.49	47.50	74.00	26.50	Peak
4	8684.00	37.32	11.45	33.66	34.30	49.41	74.00	24.59	Peak
5	10826.00	39.33	11.30	34.00	31.91	48.54	74.00	25.46	Peak
6	14226.00	41.66	10.91	33.41	30.06	49.22	74.00	24.78	Peak

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

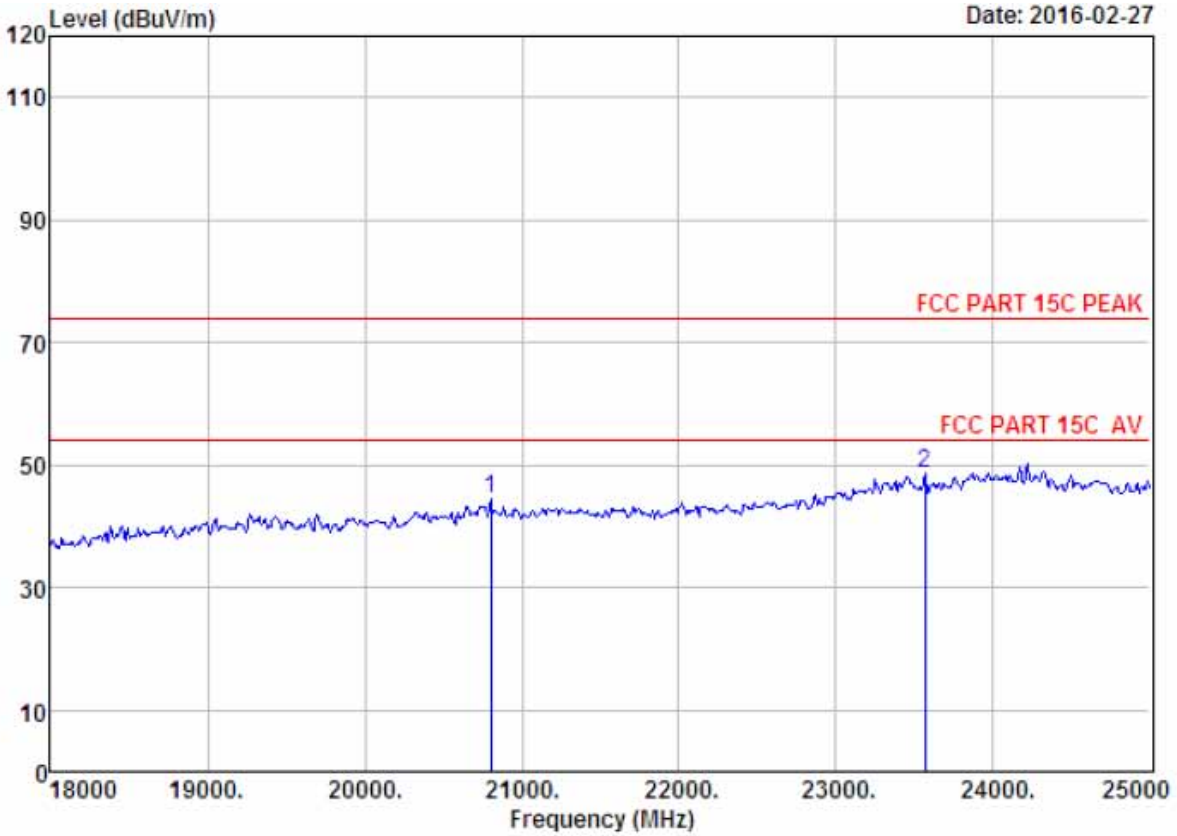


Site no. : 1# 966 chamber Data no. : 282
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : 8-DPSK TX 2480MHz

	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	27.58	6.71	35.11	98.69	97.87	74.00	-23.87	Peak
2	4960.00	31.49	12.44	36.01	43.54	51.46	74.00	22.54	Peak
3	7154.00	36.25	11.52	33.88	33.65	47.54	74.00	26.46	Peak
4	8684.00	37.32	11.45	33.66	33.65	48.76	74.00	25.24	Peak
5	11200.00	39.39	11.14	33.24	29.83	47.12	74.00	26.88	Peak
6	13903.00	41.21	11.02	33.02	28.80	48.01	74.00	25.99	Peak

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

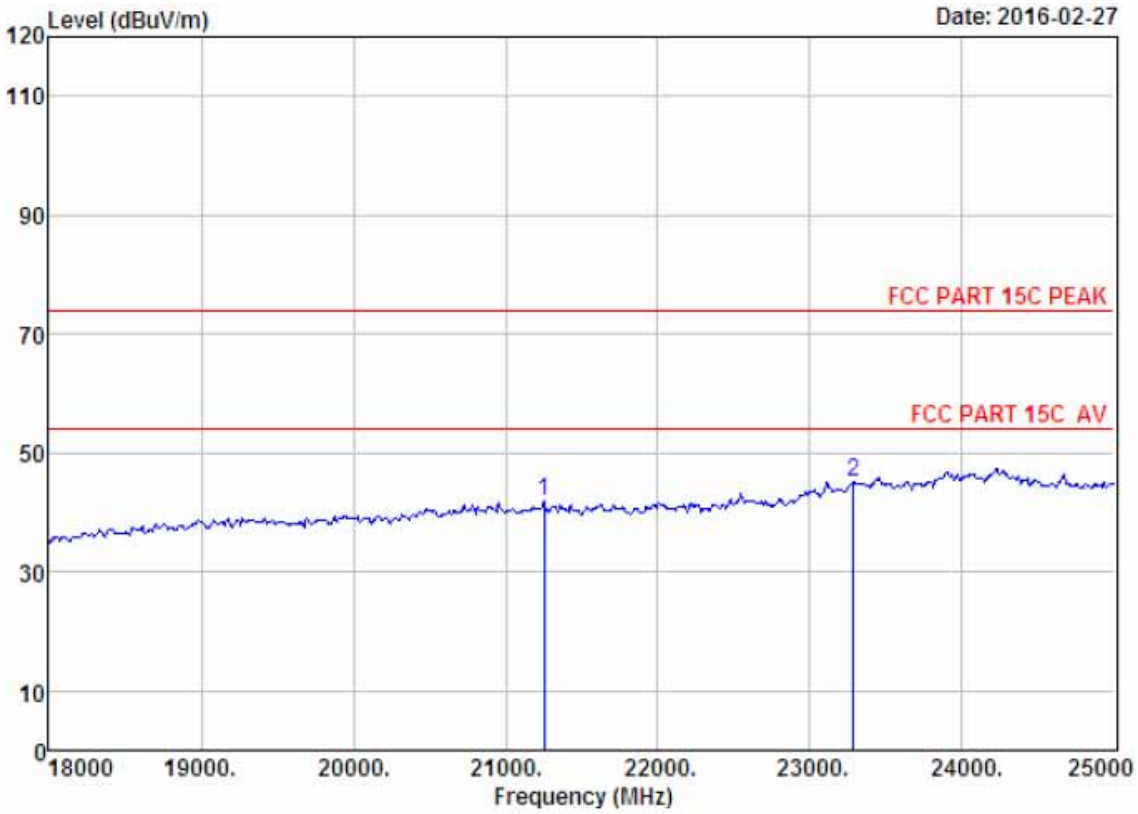
18000MHz – 25000MHz




```
Site no.        : 1# 966 chamber              Data no.  : 293
Dis. / Ant.     : 3m   ANT ABOVE 18G          Ant. pol. : VERTICAL
Limit           : FCC PART 15C PEAK
Env. / Ins.     : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer        : Tony
EUT             : Speaker
Power           : AC 120V/60Hz
M/N             : EON ONE
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	20800.00	46.18	20.04	35.98	14.37	44.61	74.00	29.39	Peak
2	23565.00	45.69	21.65	33.25	14.46	48.55	74.00	25.45	Peak

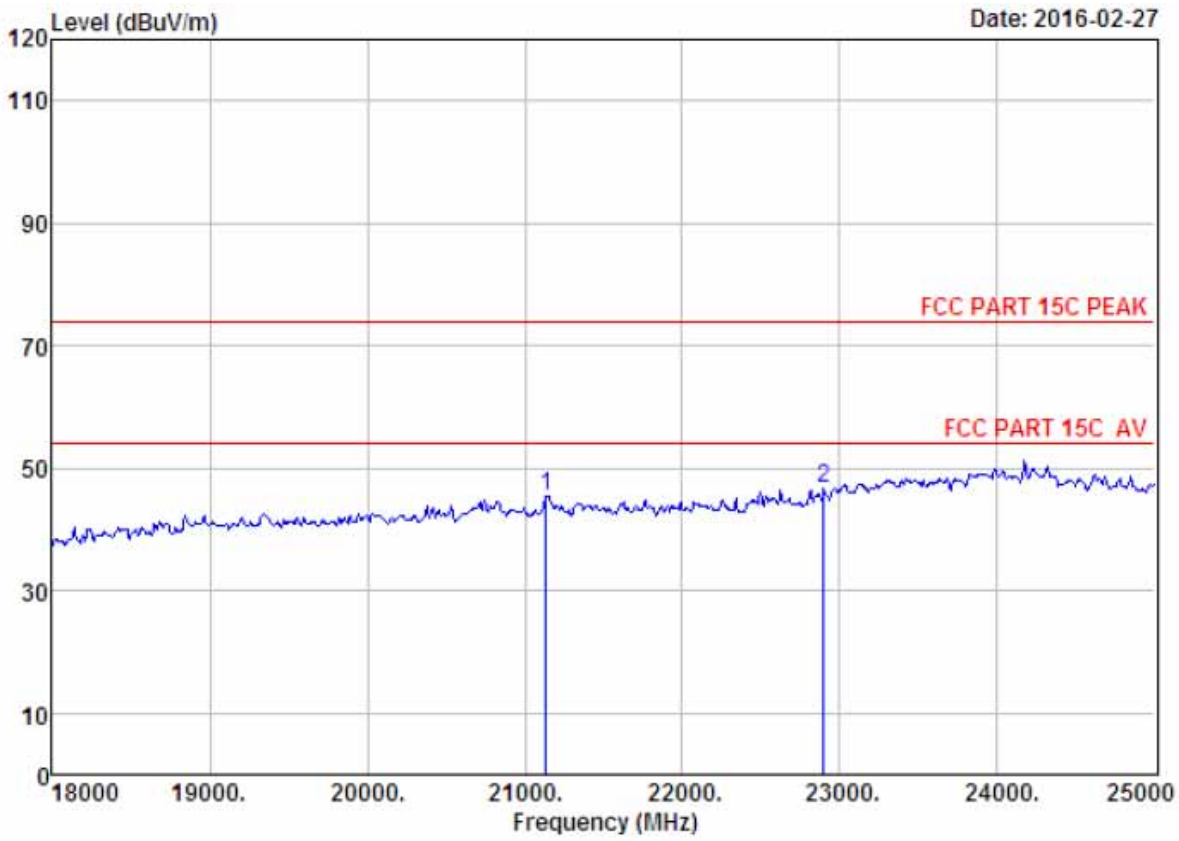
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 294
Dis. / Ant. : 3m ANT ABVOE 18G Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
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	21255.00	46.14	20.24	35.58	11.22	42.02	74.00	31.98	Peak
2	23285.00	45.66	21.40	33.56	11.70	45.20	74.00	28.80	Peak

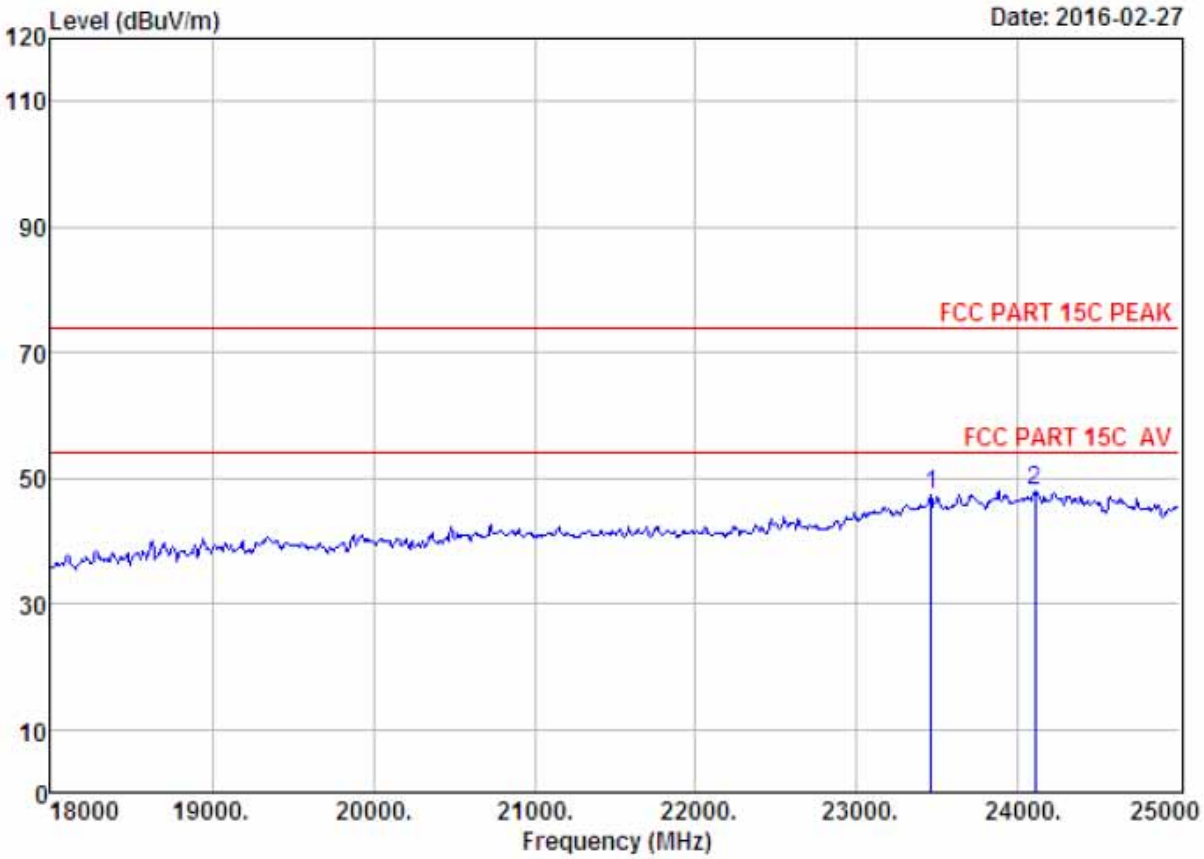
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 295
Dis. / Ant. : 3m ANT ABVOE 18G Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : GFSK TX 2441MHz

	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	21136.00	46.21	20.19	35.69	14.76	45.47	74.00	28.53	Peak
2	22900.00	45.64	21.09	33.96	13.95	46.72	74.00	27.28	Peak

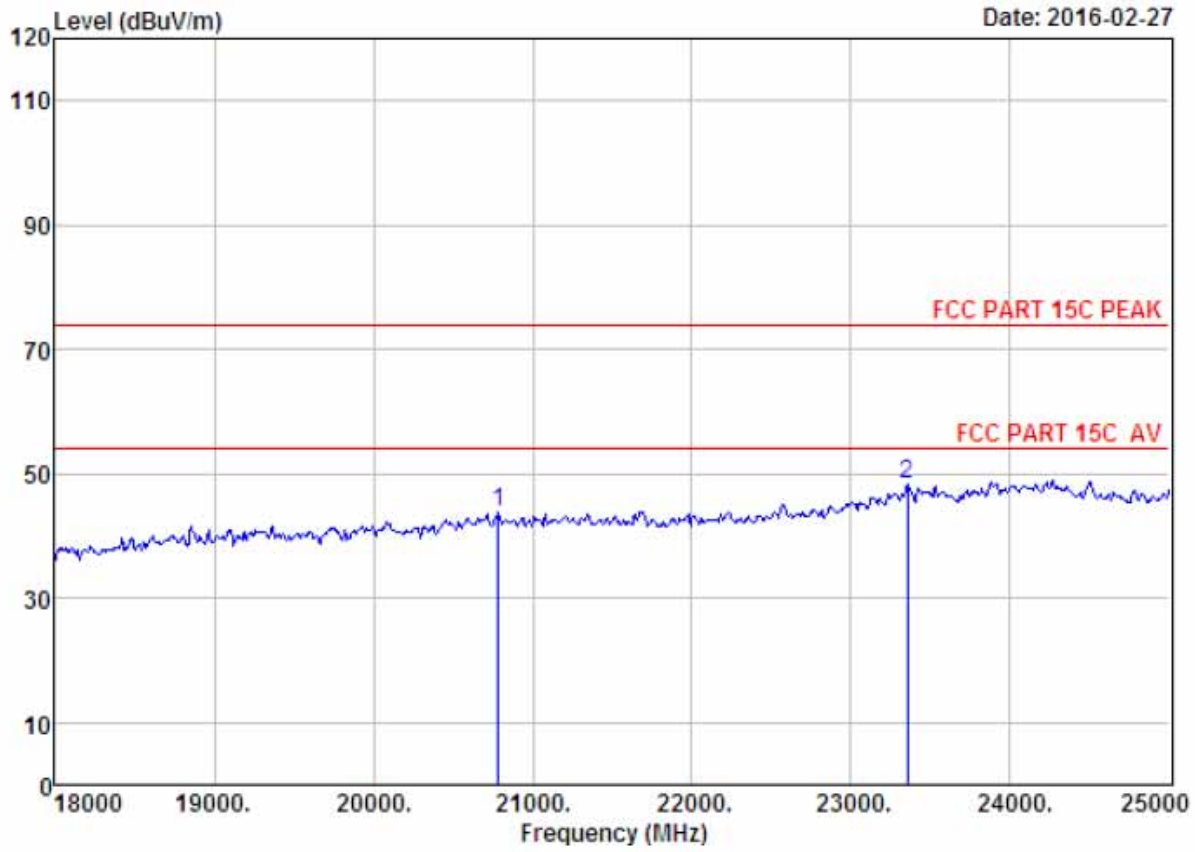
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 296
Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : GFSK TX 2441MHz

	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	23460.00	45.69	21.56	33.38	13.53	47.40	74.00	26.60	Peak
2	24104.00	45.62	22.10	32.95	13.26	48.03	74.00	25.97	Peak

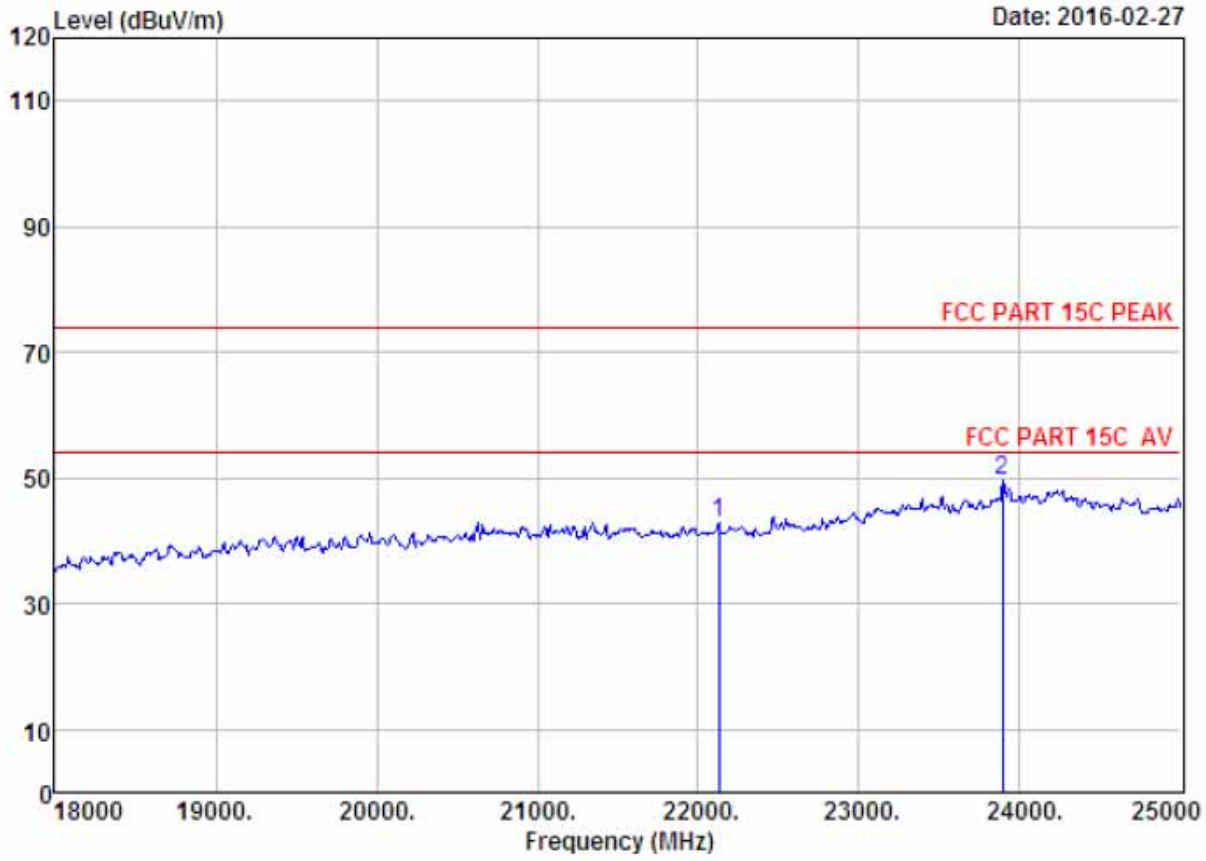
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




```
Site no.        : 1# 966 chamber              Data no.  : 297
Dis. / Ant.     : 3m   ANT ABOVE 18G          Ant. pol. : VERTICAL
Limit           : FCC PART 15C PEAK
Env. / Ins.     : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer        : Tony
EUT             : Speaker
Power           : AC 120V/60Hz
M/N             : EON ONE
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	20786.00	46.18	20.04	36.00	13.62	43.84	74.00	30.16	Peak
2	23355.00	45.67	21.47	33.48	14.59	48.25	74.00	25.75	Peak

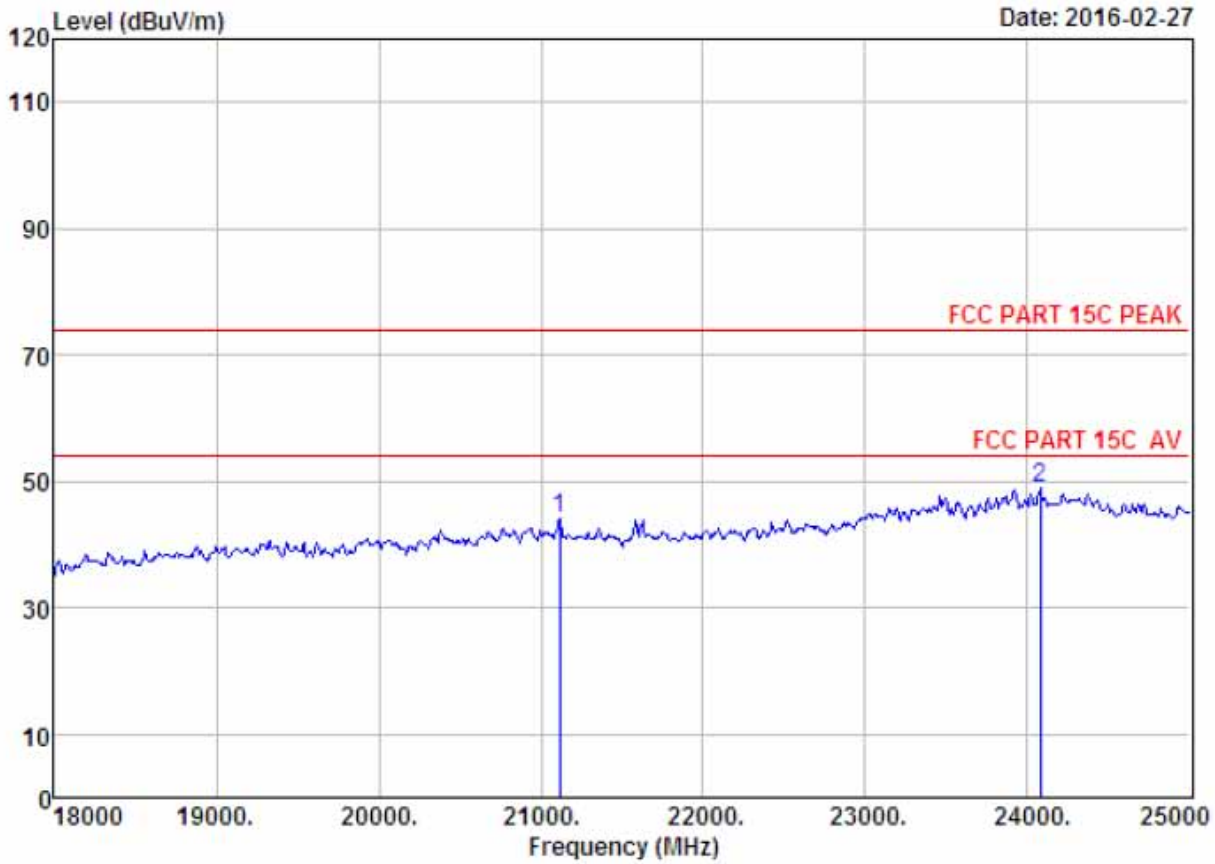
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 298
Dis. / Ant. : 3m ANT ABVOE 18G Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
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	22130.00	45.73	20.64	34.77	11.39	42.99	74.00	31.01	Peak
2	23894.00	45.62	21.95	32.90	15.08	49.75	74.00	24.25	Peak

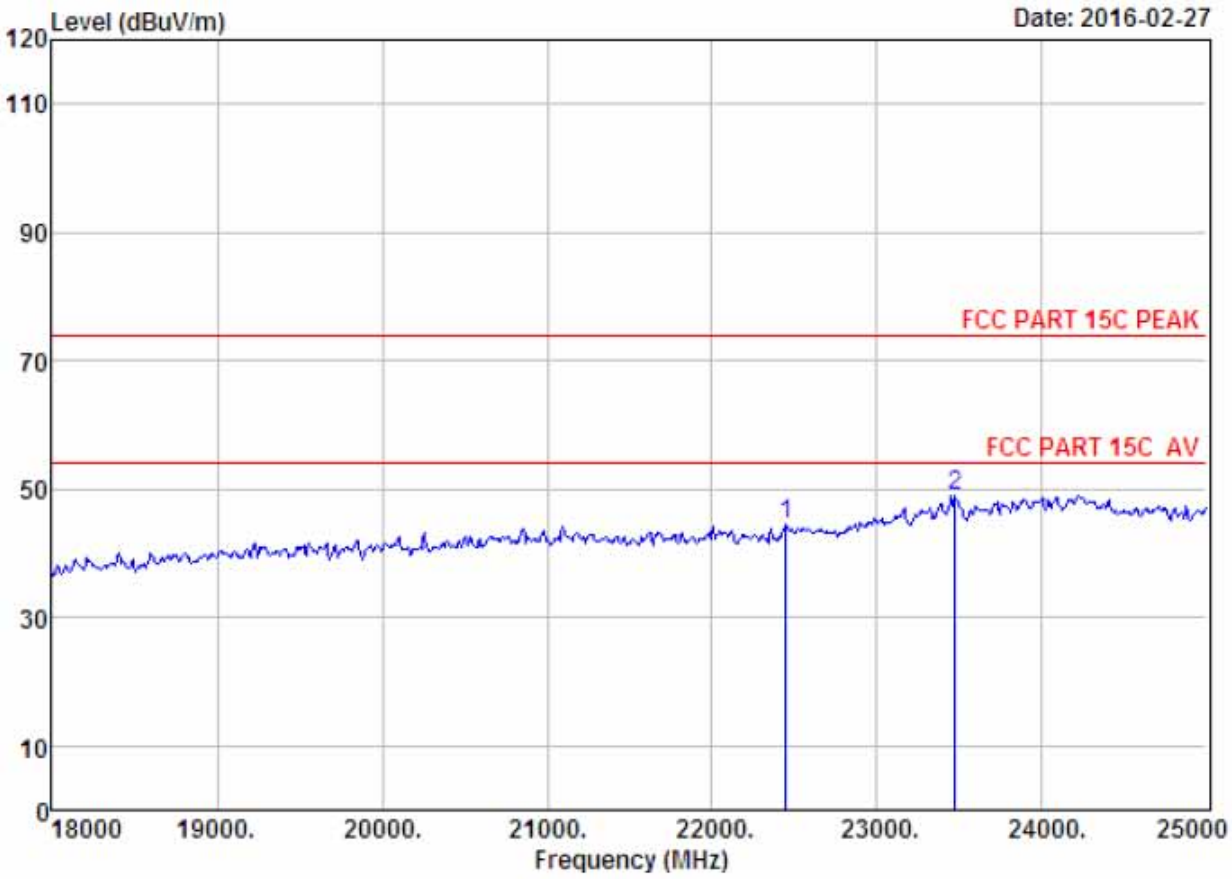
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 299
Dis. / Ant. : 3m ANT ABVOE 18G Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : 8-DPSK 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	21115.00	46.22	20.18	35.69	13.41	44.12	74.00	29.88	Peak
2	24076.00	45.61	22.09	32.92	14.05	48.83	74.00	25.17	Peak

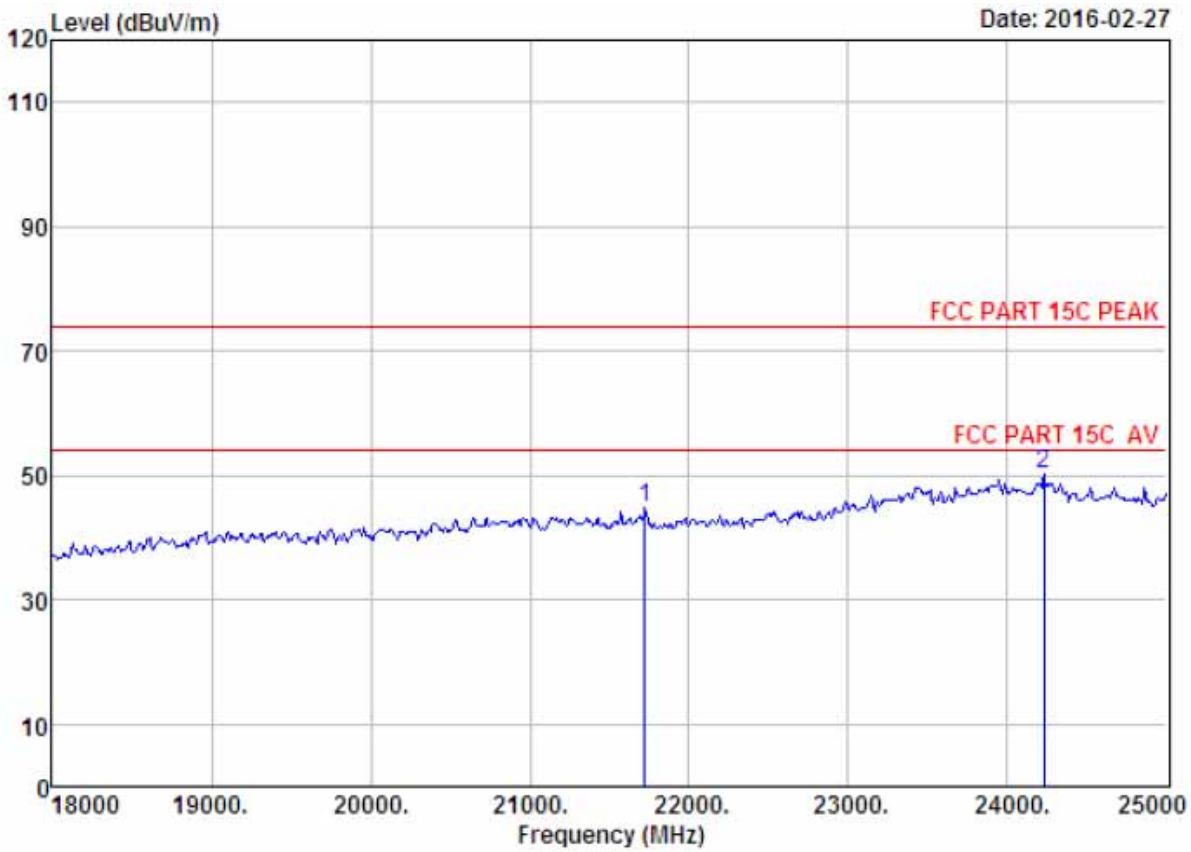
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




```
Site no.        : 1# 966 chamber              Data no.   : 300
Dis. / Ant.     : 3m   ANT ABOVE 18G          Ant. pol. : VERTICAL
Limit           : FCC PART 15C PEAK
Env. / Ins.     : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer        : Tony
EUT             : Speaker
Power           : AC 120V/60Hz
M/N             : EON ONE
Test Mode       : 8-DPSK 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	22445.00	45.79	20.82	34.43	12.33	44.51	74.00	29.49	Peak
2	23474.00	45.70	21.57	33.35	15.14	49.06	74.00	24.94	Peak

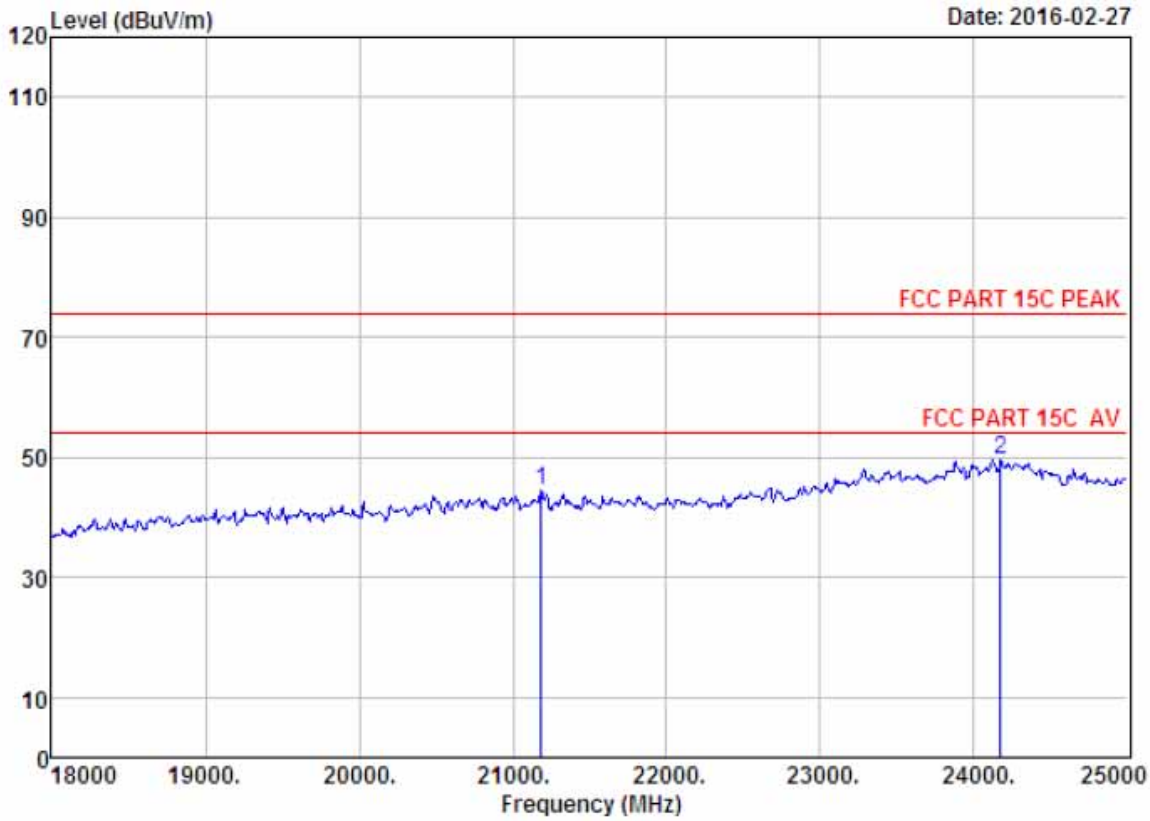
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 301
Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : 8-DPSK TX 2441MHz

	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	21724.00	45.87	20.44	35.15	13.50	44.66	74.00	29.34	Peak
2	24230.00	45.65	22.17	33.15	15.69	50.36	74.00	23.64	Peak

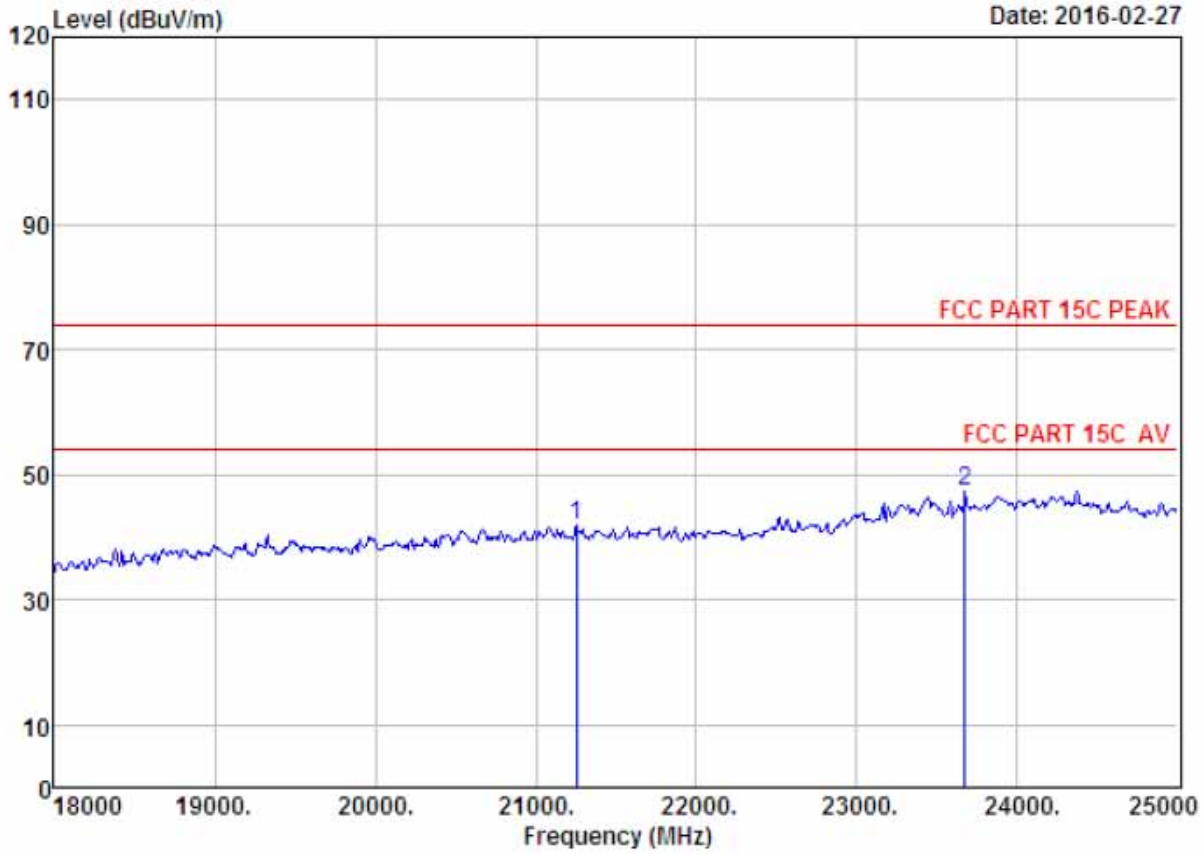
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 302
Dis. / Ant. : 3m ANT ABVOE 18G Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : 8-DPSK TX 2441MHz

	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	21185.00	46.18	20.21	35.64	13.79	44.54	74.00	29.46	Peak
2	24174.00	45.64	22.14	33.07	15.02	49.73	74.00	24.27	Peak

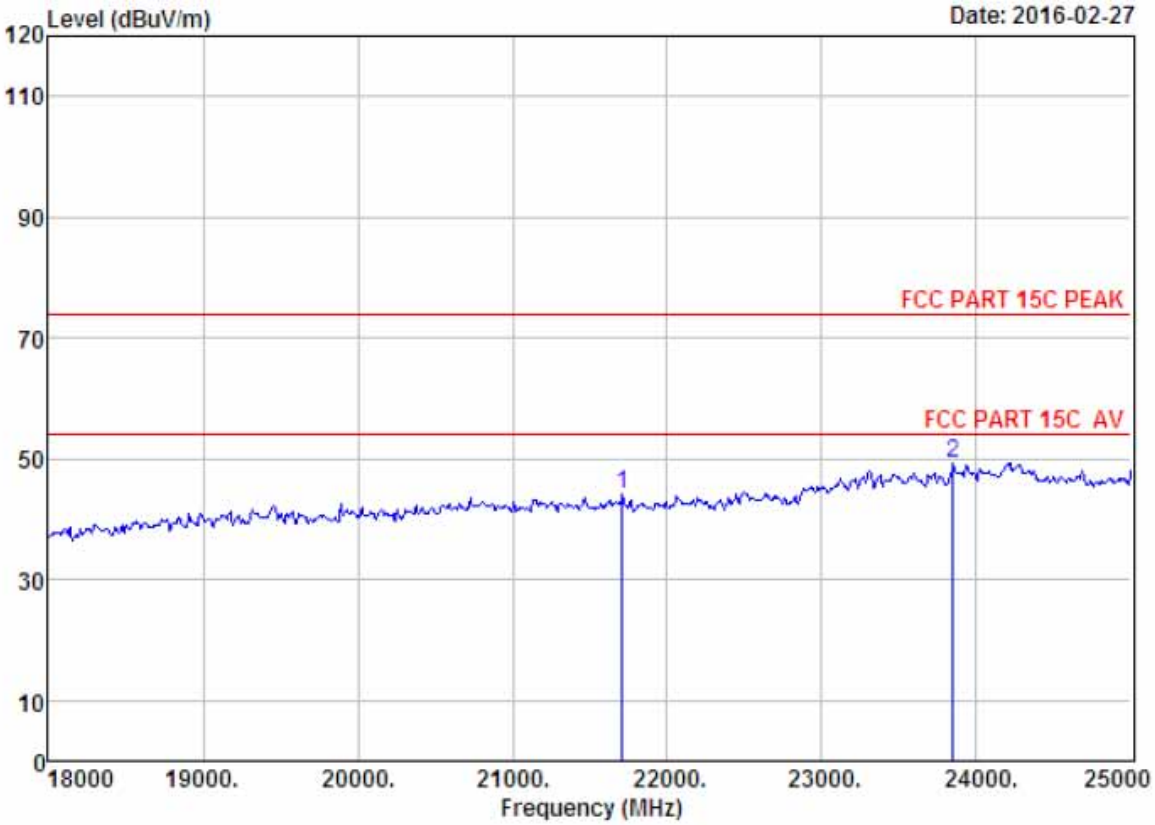
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




```
Site no.        : 1# 966 chamber              Data no.  : 303
Dis. / Ant.     : 3m   ANT ABVOE 18G          Ant. pol. : HORIZONTAL
Limit           : FCC PART 15C PEAK
Env. / Ins.     : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer        : Tony
EUT             : Speaker
Power           : AC 120V/60Hz
M/N             : EON ONE
Test Mode       : 8-DPSK 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	21255.00	46.14	20.24	35.58	11.25	42.05	74.00	31.95	Peak
2	23670.00	45.67	21.75	33.14	12.97	47.25	74.00	26.75	Peak

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



Site no. : 1# 966 chamber Data no. : 304
Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : 8-DPSK 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	21710.00	45.87	20.44	35.17	12.91	44.05	74.00	29.95	Peak
2	23845.00	45.63	21.90	32.96	14.59	49.16	74.00	24.84	Peak

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

9. BAND EDGE COMPLIANCE

9.1. Limit

All the lower and upper band-edges emissions appearing within 2310MHz to 2390MHz and 2483.5MHz to 2500MHz restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions outside operation frequency band 2400MHz to 2483.5MHz shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

9.2. Test Procedure

EUT was placed on a turn table, which is 0.1 m high above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. Power on the EUT and let it working in test mode, then test it. EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower. 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.

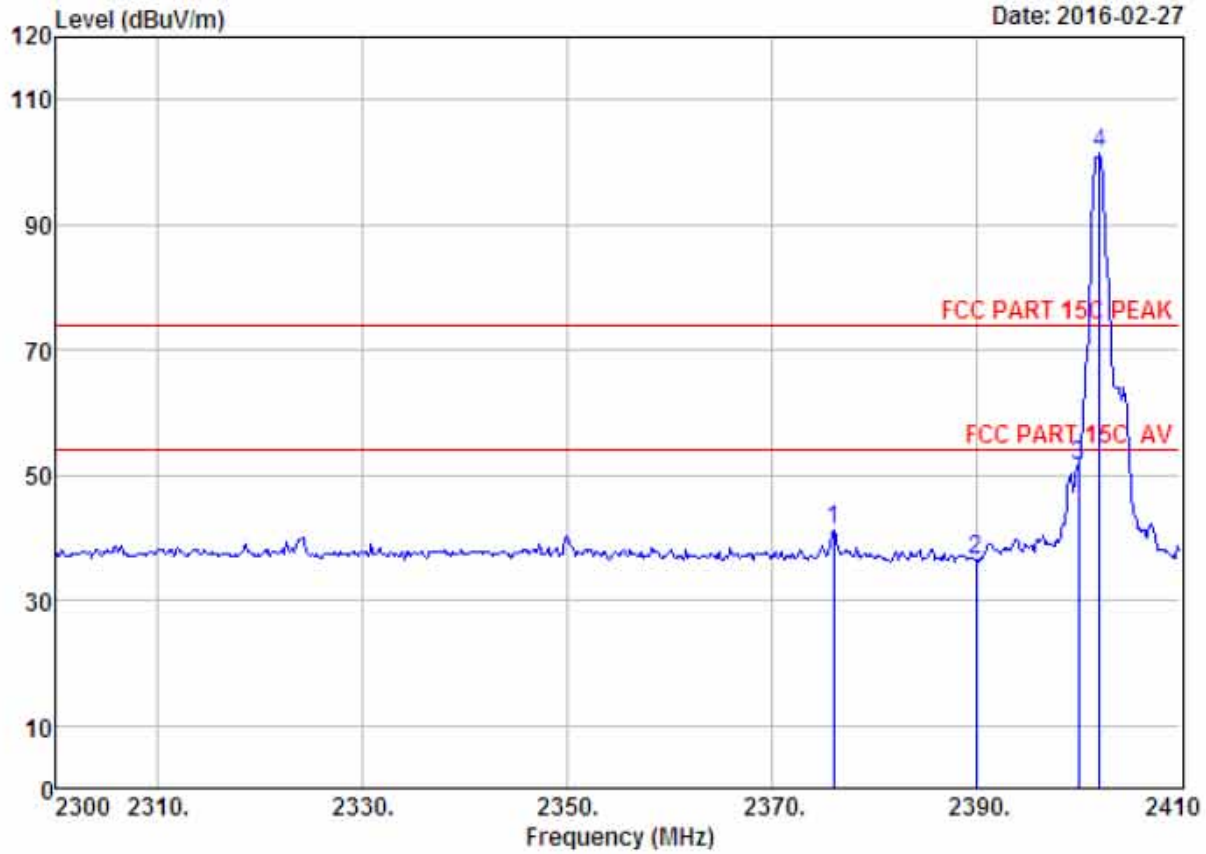
Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of emissions
Peak : RBW = 1MHz, VBW = 1MHz, Detector=PEAK detector, Sweep time = auto.
AV : RBW = 1MHz, VBW = 10Hz, Detector=PEAK detector, Sweep time = auto.

9.3. Test Result

Pass (The testing data was attached in the next pages.)

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 、2441MHz 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.

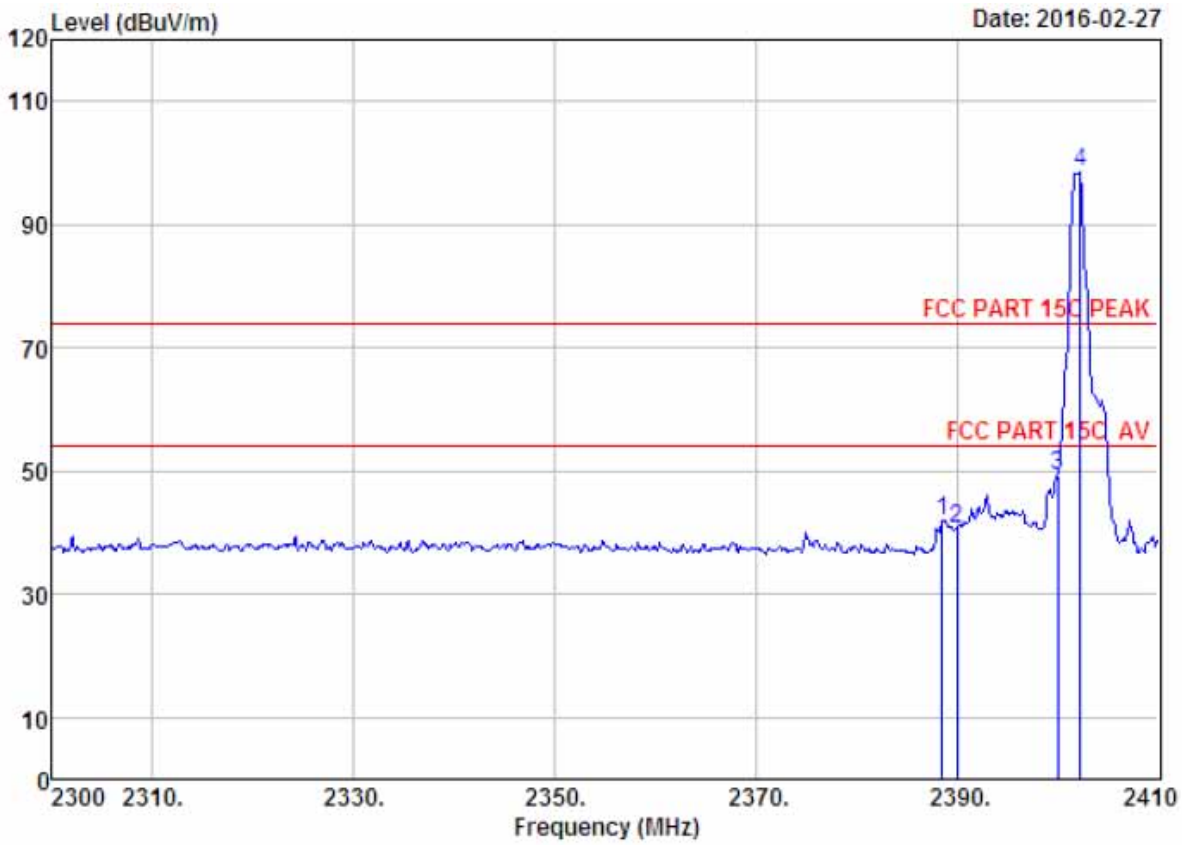
9.4. Test Data



Site no. : 1# 966 chamber Data no. : 267
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : GFSK TX 2402MHz (No Hopping)

	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	2376.12	27.64	6.60	34.59	41.73	41.38	74.00	32.62	Peak
2	2390.00	27.64	6.62	34.62	36.82	36.46	74.00	37.54	Peak
3	2400.00	27.61	6.62	34.64	51.95	51.54	74.00	22.46	Peak
4	2402.08	27.61	6.62	34.64	101.70	101.29	74.00	-27.29	Peak

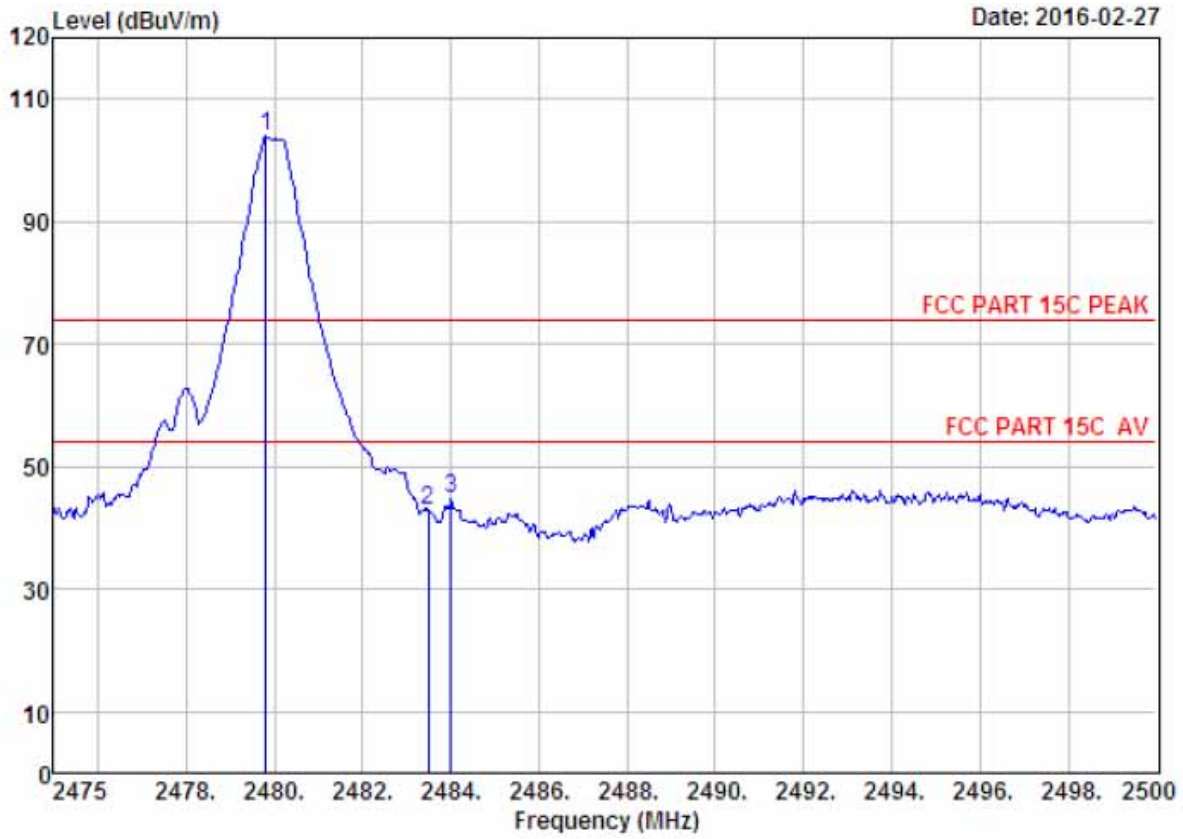
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 268
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : GFSK TX 2402MHz (No Hopping)

	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	2388.55	27.64	6.62	34.62	42.34	41.98	74.00	32.02	Peak
2	2390.00	27.64	6.62	34.62	41.00	40.64	74.00	33.36	Peak
3	2400.00	27.61	6.62	34.64	49.72	49.31	74.00	24.69	Peak
4	2402.30	27.61	6.62	34.64	98.82	98.41	74.00	-24.41	Peak

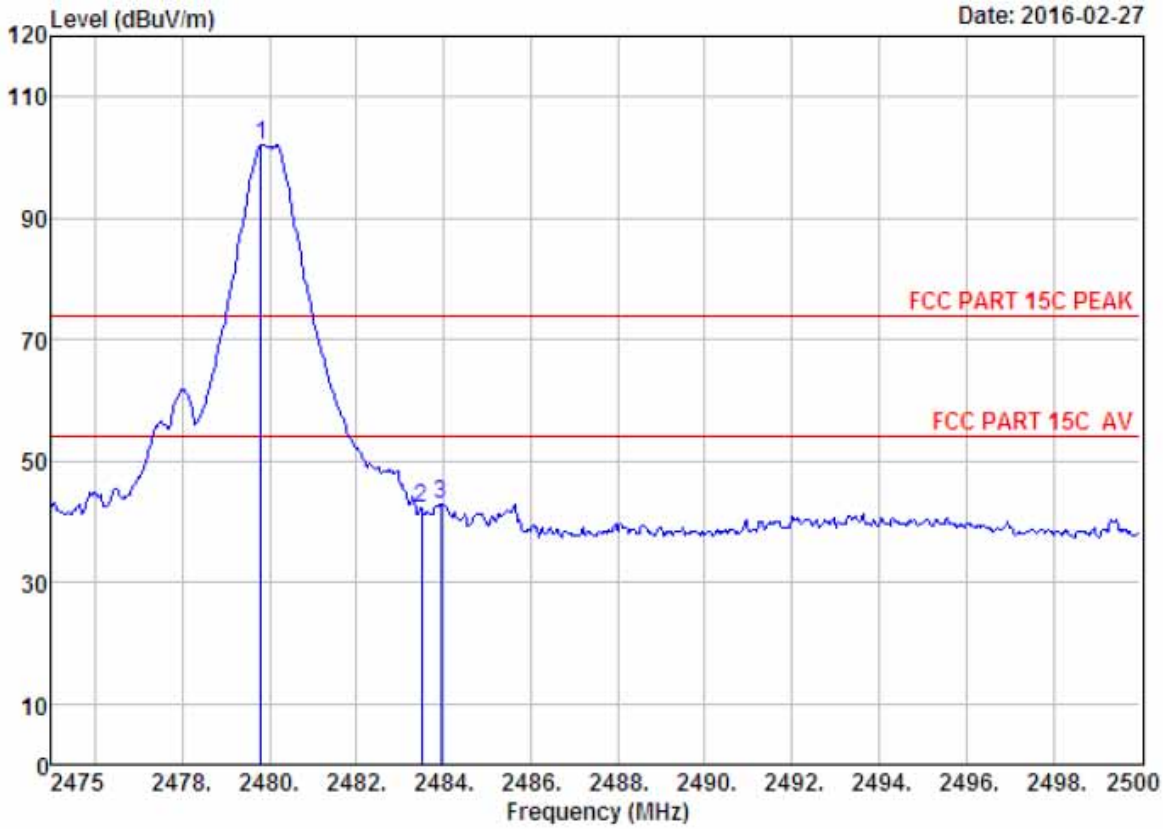
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 273
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : GFSK TX 2480MHz (No Hopping)

	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	2479.80	27.58	6.71	35.11	104.68	103.86	74.00	-29.86	Peak
2	2483.50	27.58	6.71	35.11	43.64	42.82	74.00	31.18	Peak
3	2484.00	27.58	6.71	35.11	45.73	44.91	74.00	29.09	Peak

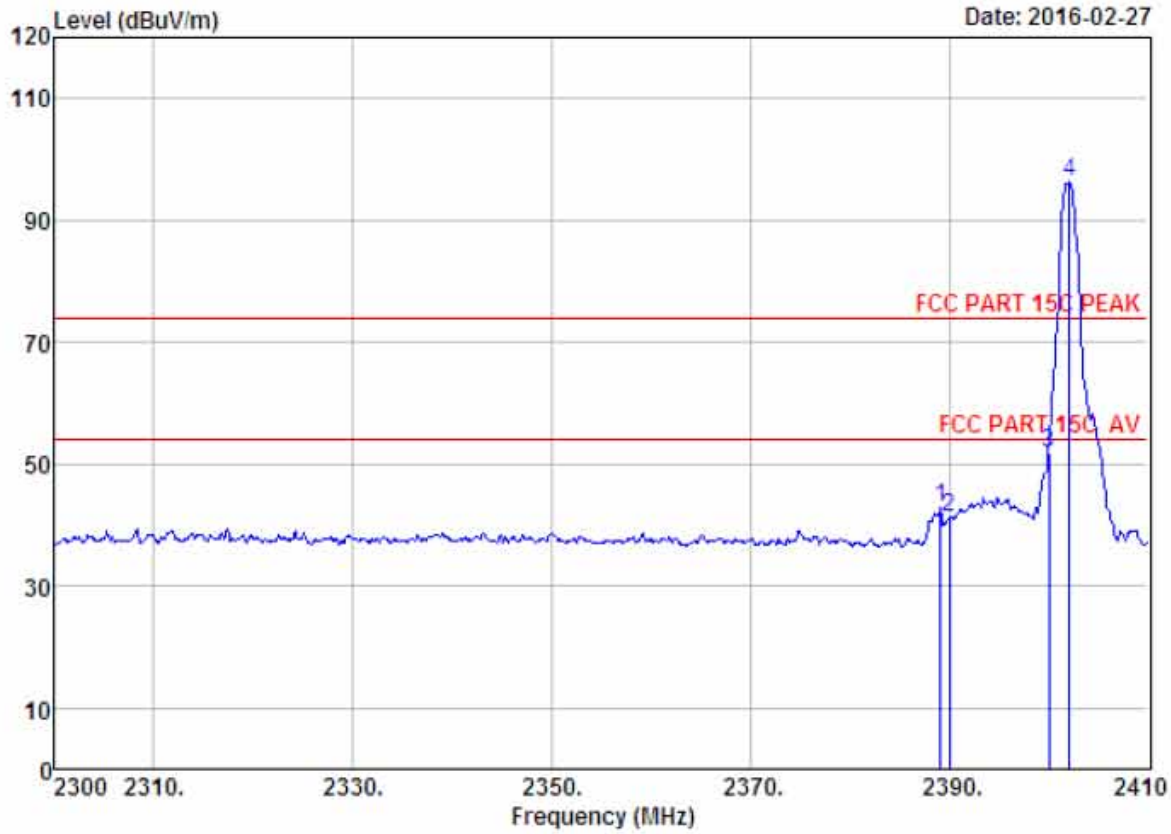
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 274
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : GFSK TX 2480MHz (No Hopping)

	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	2479.80	27.58	6.71	35.11	102.97	102.15	74.00	-28.15	Peak
2	2483.50	27.58	6.71	35.11	43.16	42.34	74.00	31.66	Peak
3	2483.95	27.58	6.71	35.11	43.78	42.96	74.00	31.04	Peak

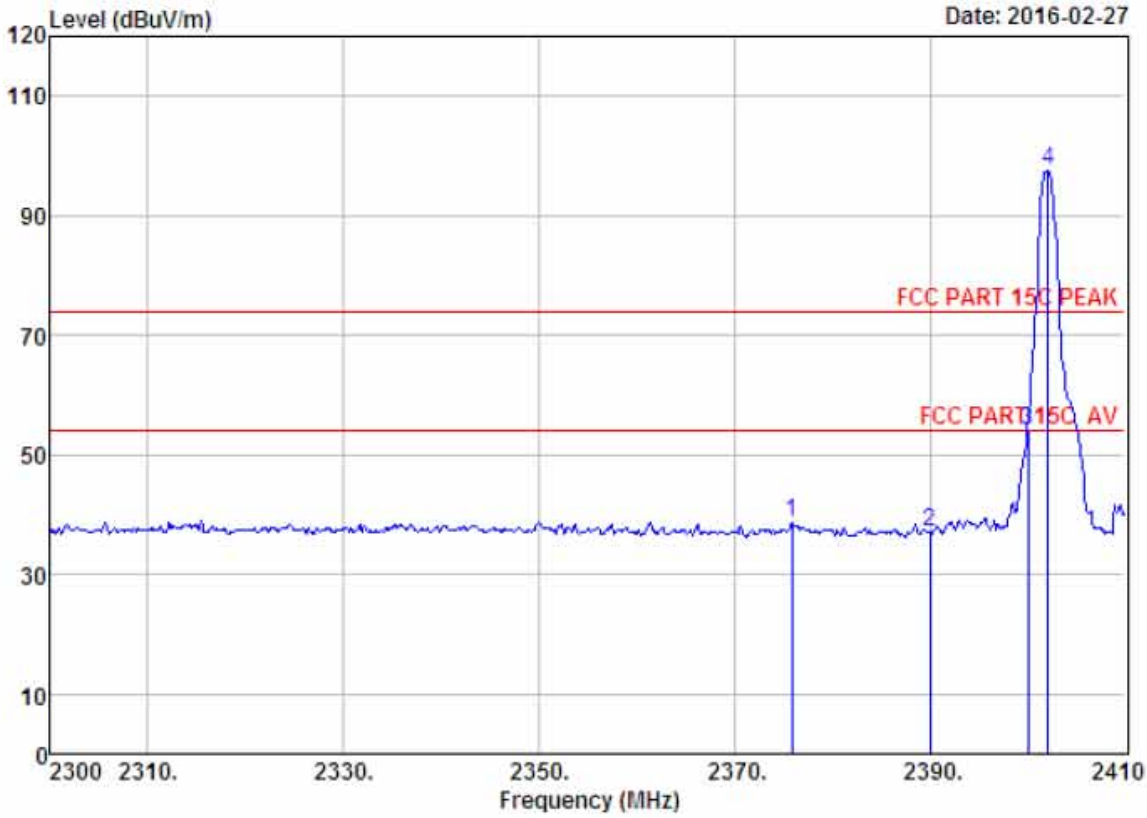
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 277
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : 8-DPSK TX 2402MHz (No Hopping)

	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	2389.10	27.64	6.62	34.62	43.26	42.90	74.00	31.10	Peak
2	2390.00	27.64	6.62	34.62	41.49	41.13	74.00	32.87	Peak
3	2400.00	27.61	6.62	34.64	52.25	51.84	74.00	22.16	Peak
4	2402.08	27.61	6.62	34.64	96.76	96.35	74.00	-22.35	Peak

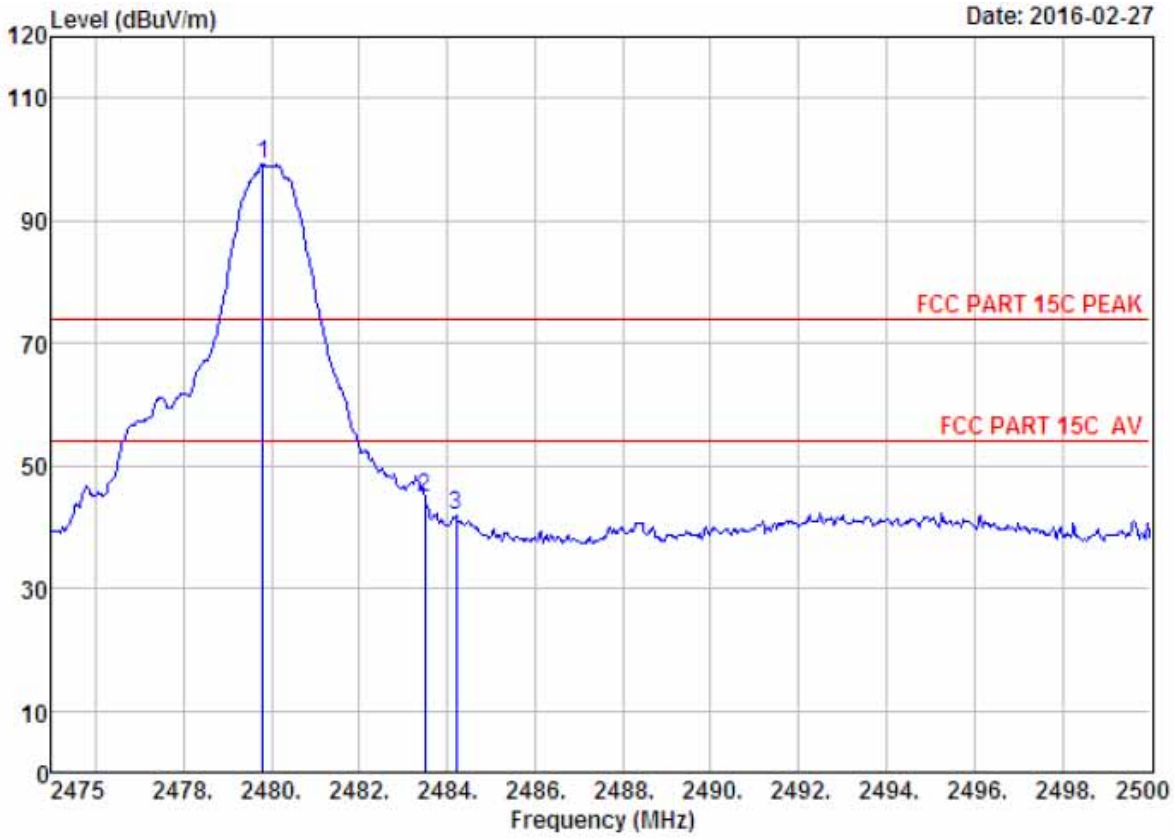
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 278
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : 8-DPSK TX 2402MHz (No Hopping)

	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	2375.90	27.64	6.60	34.59	39.17	38.82	74.00	35.18	Peak
2	2390.00	27.64	6.62	34.62	37.41	37.05	74.00	36.95	Peak
3	2400.00	27.61	6.62	34.64	54.34	53.93	74.00	20.07	Peak
4	2402.08	27.61	6.62	34.64	97.99	97.58	74.00	-23.58	Peak

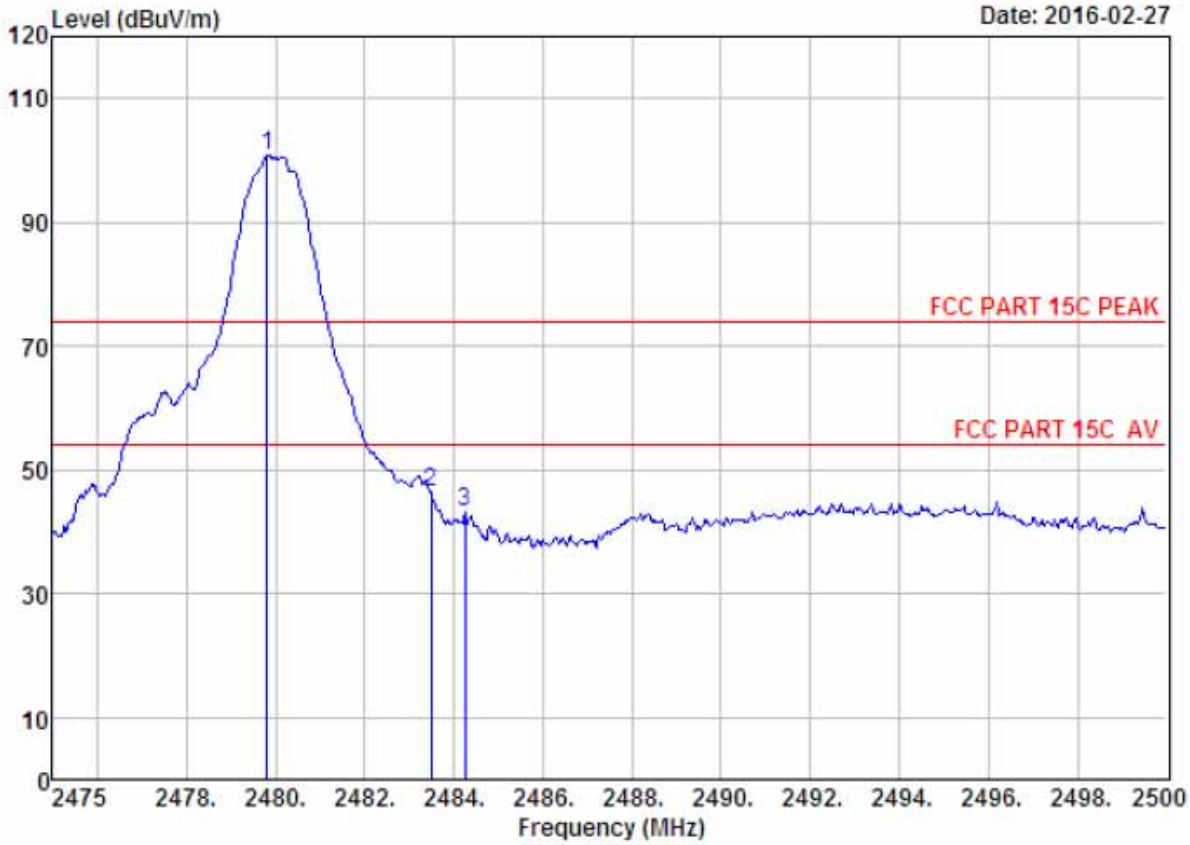
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 283
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : 8-DPSK TX 2480MHz (No Hopping)

	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	2479.80	27.58	6.71	35.11	100.10	99.28	74.00	-25.28	Peak
2	2483.50	27.58	6.71	35.11	45.77	44.95	74.00	29.05	Peak
3	2484.20	27.58	6.71	35.11	42.63	41.81	74.00	32.19	Peak

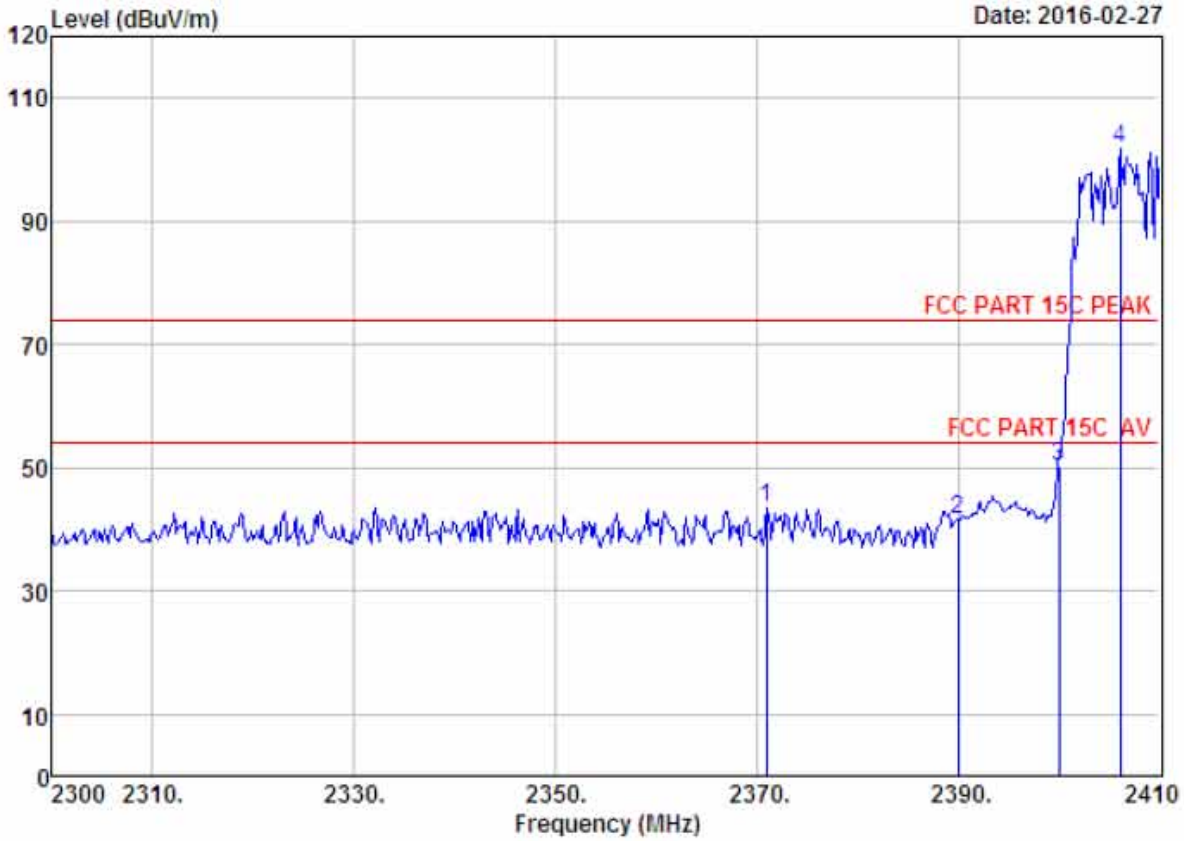
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 284
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : 8-DPSK TX 2480MHz (No Hopping)

	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	2479.80	27.58	6.71	35.11	101.59	100.77	74.00	-26.77	Peak
2	2483.50	27.58	6.71	35.11	47.21	46.39	74.00	27.61	Peak
3	2484.25	27.58	6.71	35.11	43.99	43.17	74.00	30.83	Peak

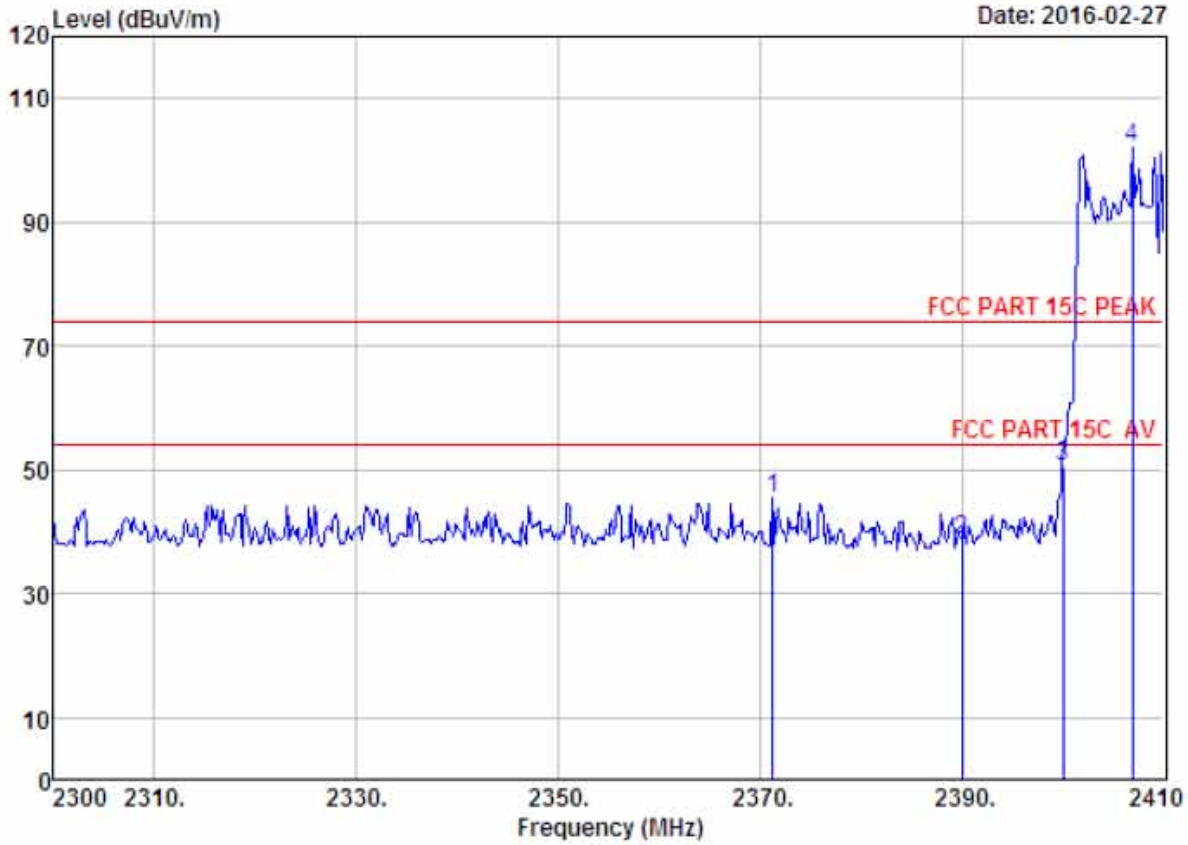
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 285
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : GFSK TX 2402MHz (Hopping On)

	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	2370.95	27.67	6.60	34.59	43.68	43.36	74.00	30.64	Peak
2	2390.00	27.64	6.62	34.62	42.01	41.65	74.00	32.35	Peak
3	2400.00	27.61	6.62	34.64	50.61	50.20	74.00	23.80	Peak
4	2406.15	27.61	6.64	34.64	102.03	101.64	74.00	-27.64	Peak

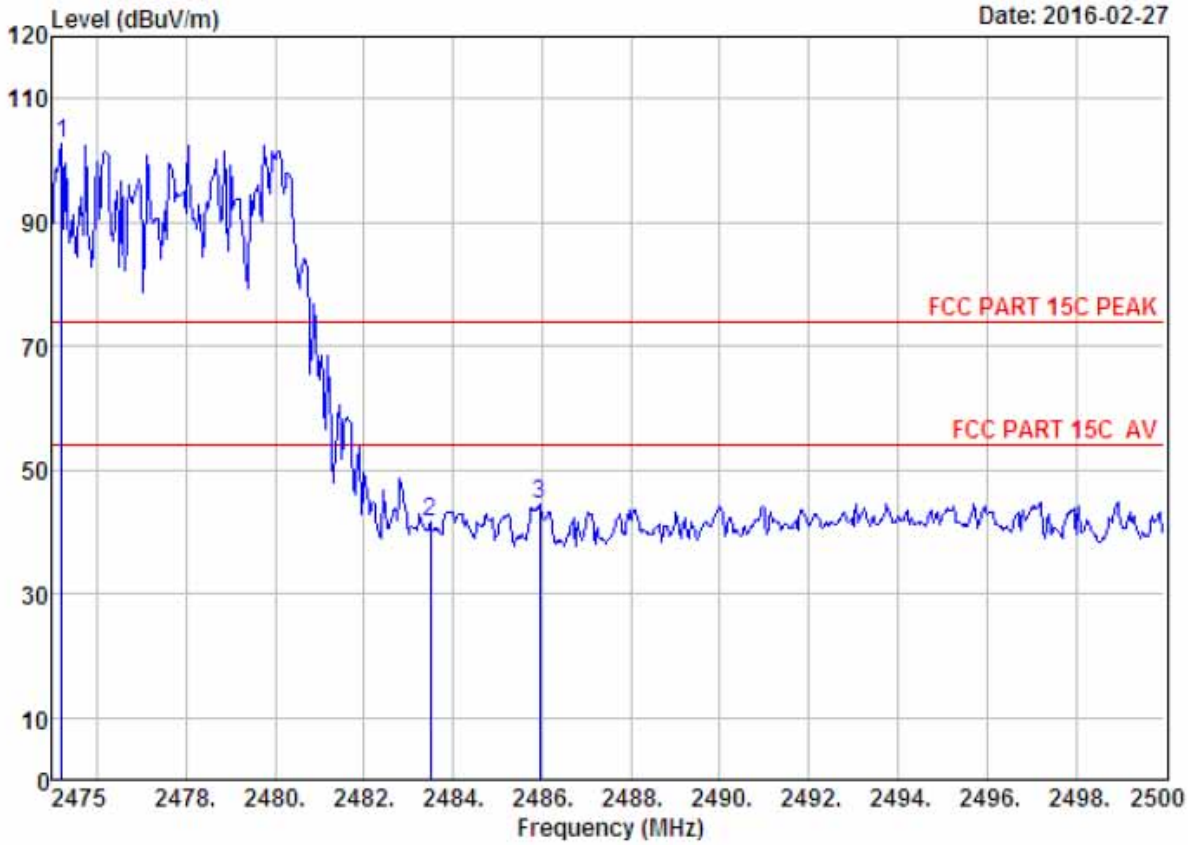
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 286
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : GFSK TX 2402MHz (Hopping On)

	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	2371.28	27.67	6.60	34.59	45.68	45.36	74.00	28.64	Peak
2	2390.00	27.64	6.62	34.62	39.01	38.65	74.00	35.35	Peak
3	2400.00	27.61	6.62	34.64	50.96	50.55	74.00	23.45	Peak
4	2406.92	27.61	6.64	34.64	102.35	101.96	74.00	-27.96	Peak

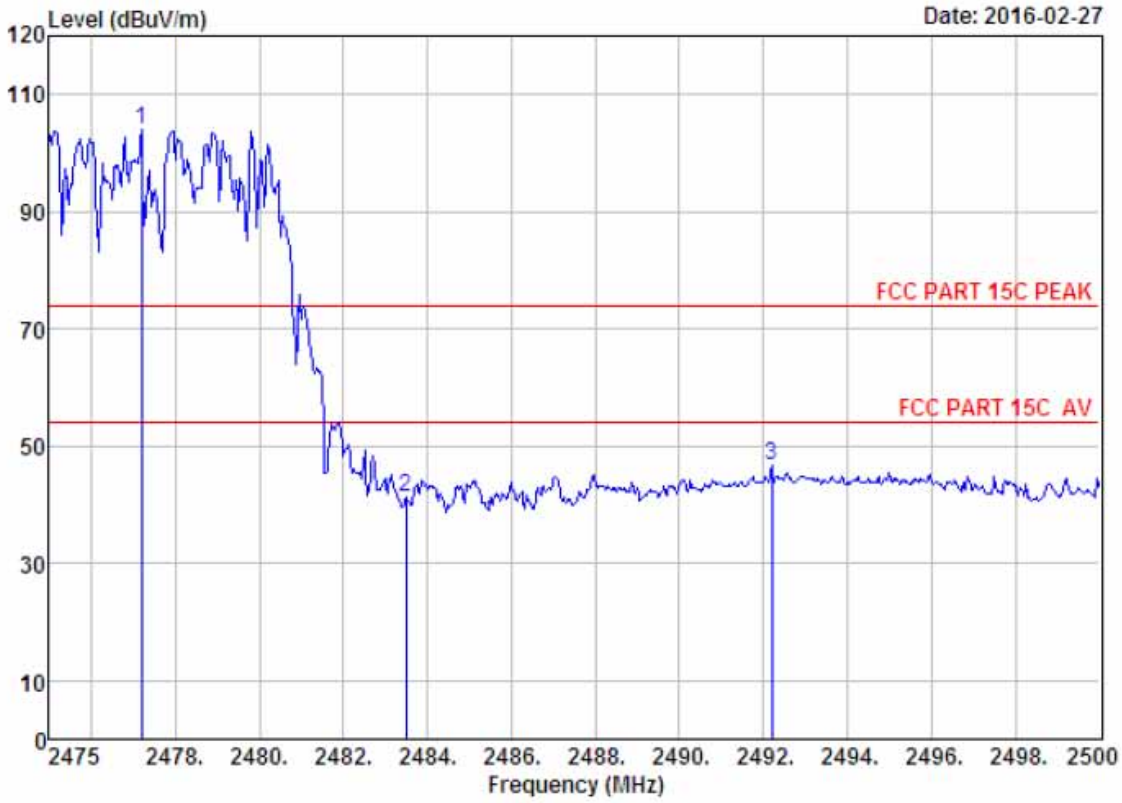
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 287
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : GFSK TX 2480MHz (Hopping On)

	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	2475.20	27.58	6.71	35.11	103.41	102.59	74.00	-28.59	Peak
2	2483.50	27.58	6.71	35.11	42.31	41.49	74.00	32.51	Peak
3	2485.95	27.58	6.71	35.11	45.23	44.41	74.00	29.59	Peak

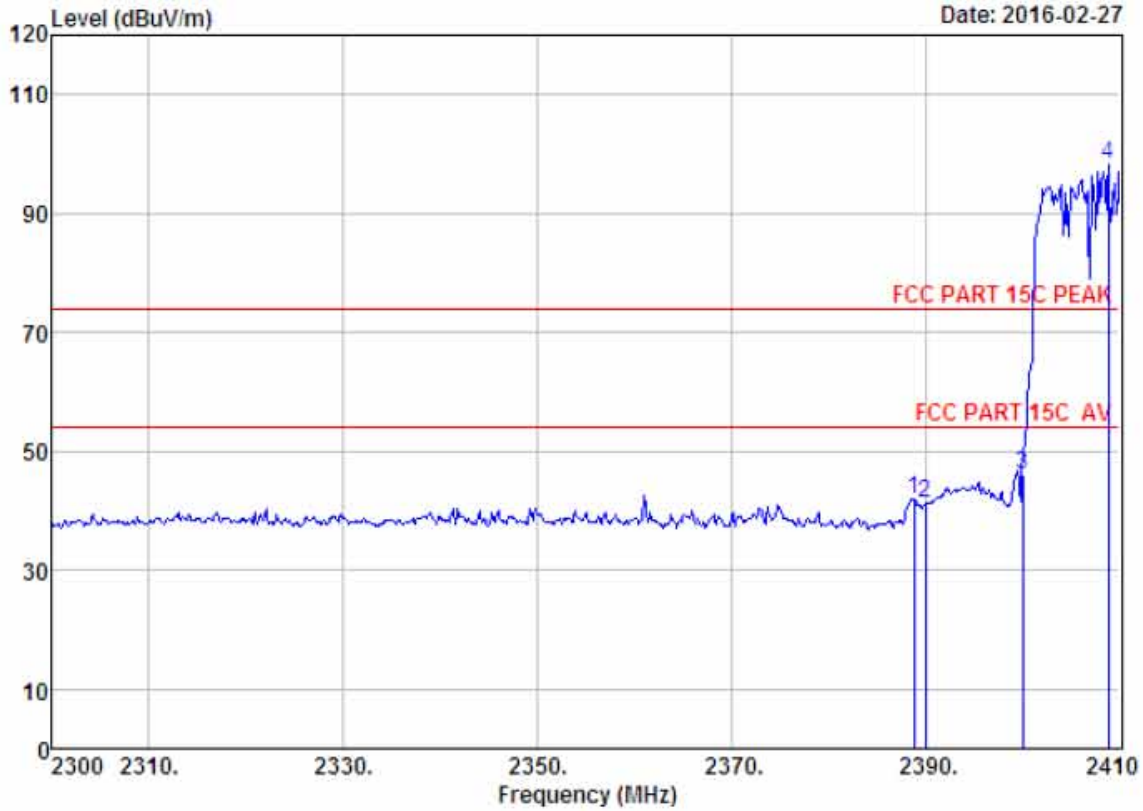
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 288
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : GFSK TX 2480MHz (Hopping On)

	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	2477.20	27.58	6.71	35.11	104.71	103.89	74.00	-29.89	Peak
2	2483.50	27.58	6.71	35.11	42.14	41.32	74.00	32.68	Peak
3	2492.20	27.58	6.73	35.24	47.56	46.63	74.00	27.37	Peak

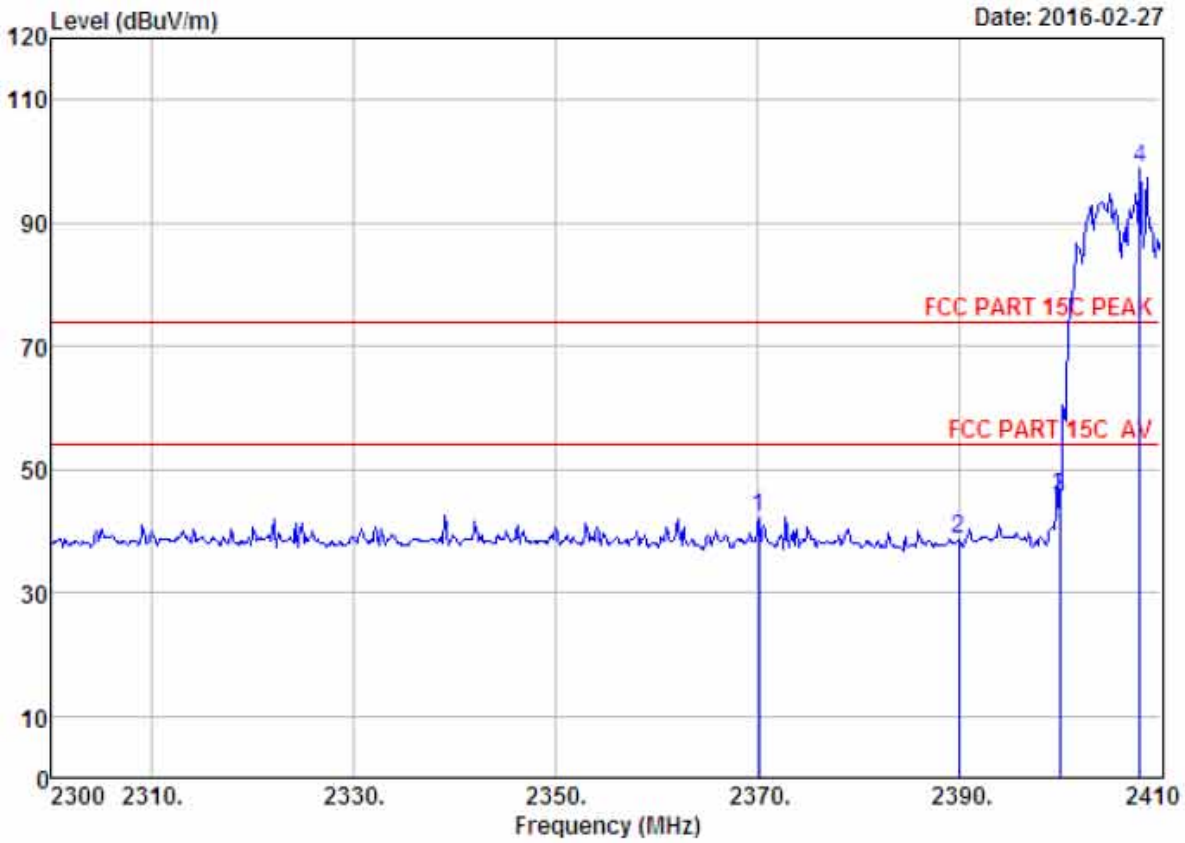
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 289
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : 8-DPSK TX 2402MHz (Hopping On)

	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	2388.88	27.64	6.62	34.62	42.39	42.03	74.00	31.97	Peak
2	2390.00	27.64	6.62	34.62	41.78	41.42	74.00	32.58	Peak
3	2400.00	27.61	6.62	34.64	46.37	45.96	74.00	28.04	Peak
4	2408.90	27.60	6.64	34.64	98.79	98.39	74.00	-24.39	Peak

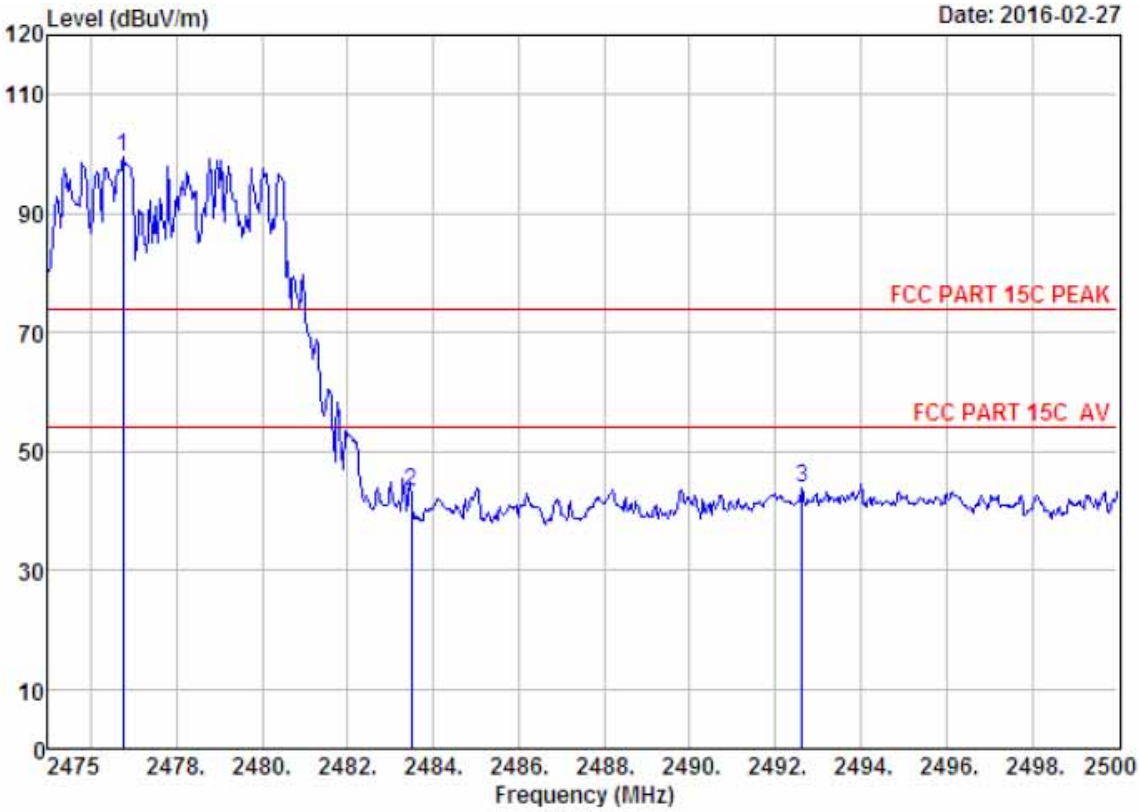
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 290
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : 8-DPSK TX 2402MHz (Hopping On)

	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	2370.18	27.67	6.60	34.59	42.43	42.11	74.00	31.89	Peak
2	2390.00	27.64	6.62	34.62	38.92	38.56	74.00	35.44	Peak
3	2400.00	27.61	6.62	34.64	45.82	45.41	74.00	28.59	Peak
4	2408.02	27.61	6.64	34.64	99.41	99.02	74.00	-25.02	Peak

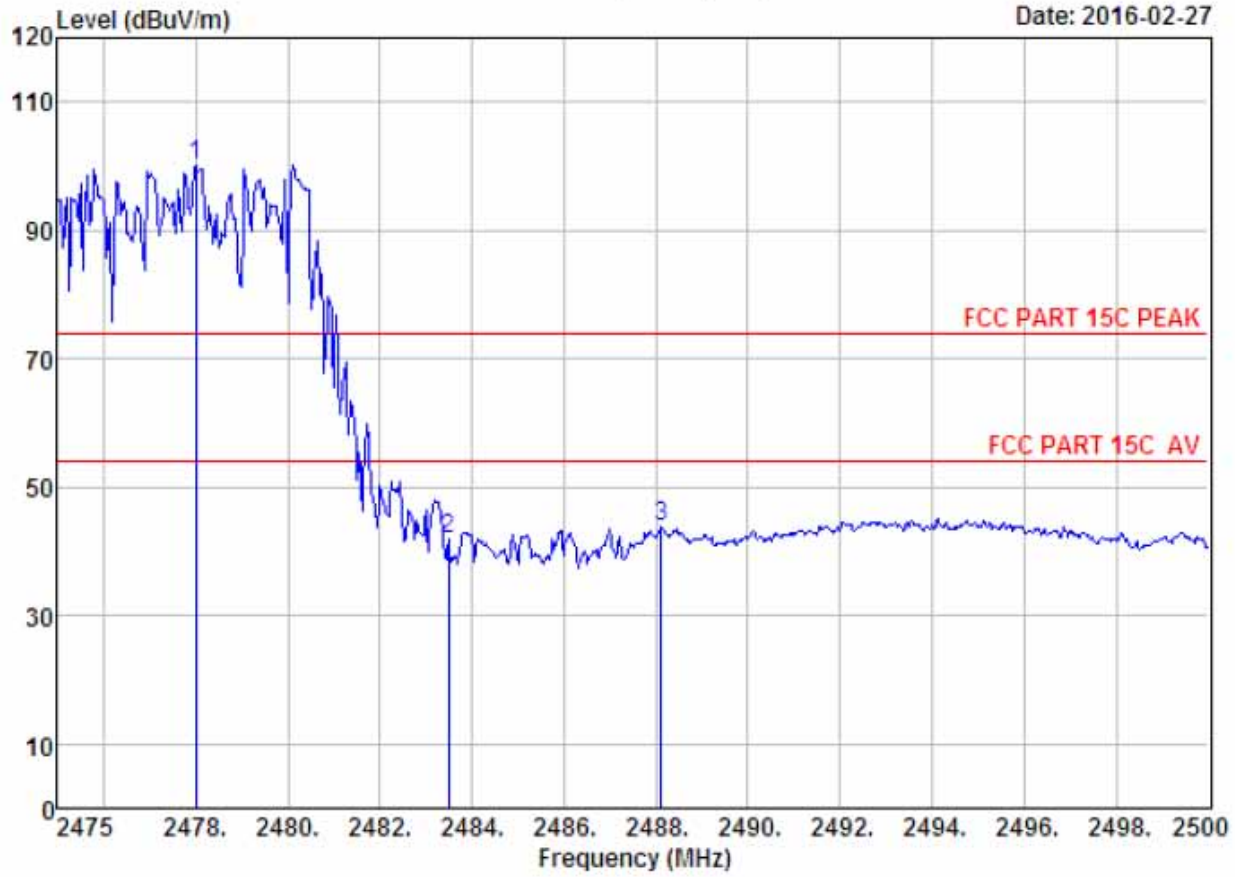
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




```
Site no.        : 1# 966 chamber              Data no.  : 291
Dis. / Ant.     : 3m   ANT 1-18G              Ant. pol. : HORIZONTAL
Limit           : FCC PART 15C PEAK
Env. / Ins.     : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer        : Tony
EUT             : Speaker
Power           : AC 120V/60Hz
M/N             : EON ONE
Test Mode       : 8-DPSK TX 2480MHz (Hopping On)
```

	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	2476.75	27.58	6.71	35.11	100.25	99.43	74.00	-25.43	Peak
2	2483.50	27.58	6.71	35.11	43.99	43.17	74.00	30.83	Peak
3	2492.63	27.58	6.73	35.24	44.73	43.80	74.00	30.20	Peak

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



Site no. : 1# 966 chamber Data no. : 292
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : 8-DPSK TX 2480MHz (Hopping On)

	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	2478.00	27.58	6.71	35.11	101.09	100.27	74.00	-26.27	Peak
2	2483.50	27.58	6.71	35.11	42.62	41.80	74.00	32.20	Peak
3	2488.13	27.58	6.73	35.11	44.70	43.90	74.00	30.10	Peak

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

10. POWER LINE CONDUCTED EMISSIONS

10.1.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

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

10.2.Test Procedure

The EUT was placed on a non-metallic table, 10cm above the ground plane. The EUT was charged form PC's USB port which connected to the power mains through a line impedance stabilization network (L.I.S.N. 1#).. Both sides of 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 C63.4: 2009 on Conducted Emission Test.

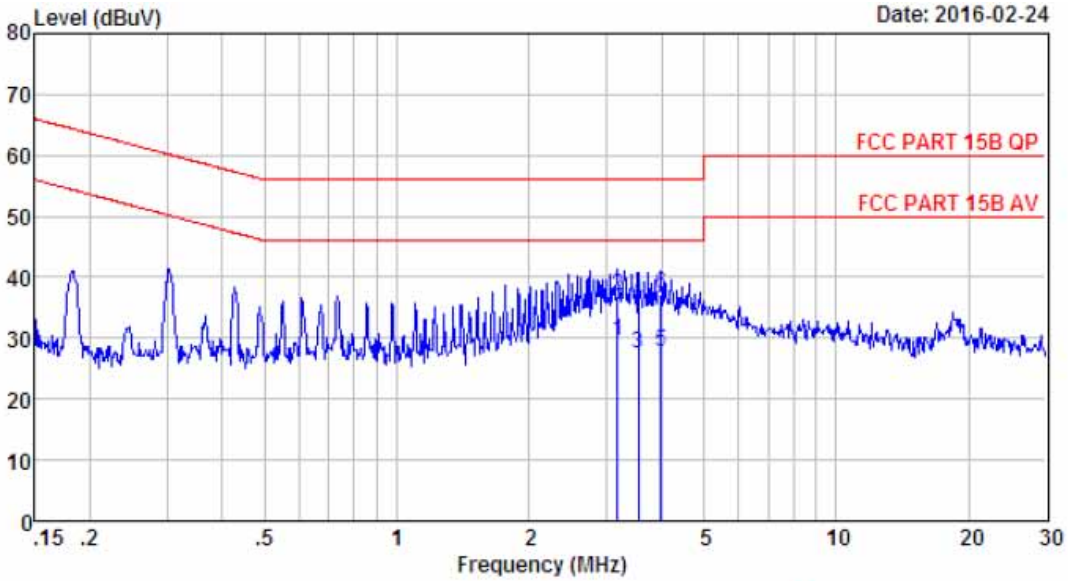
The bandwidth of test receiver (R & S ESHS30) is set at 10kHz.

The frequency range from 150kHz to 30MHz is checked.

10.3.Test Result

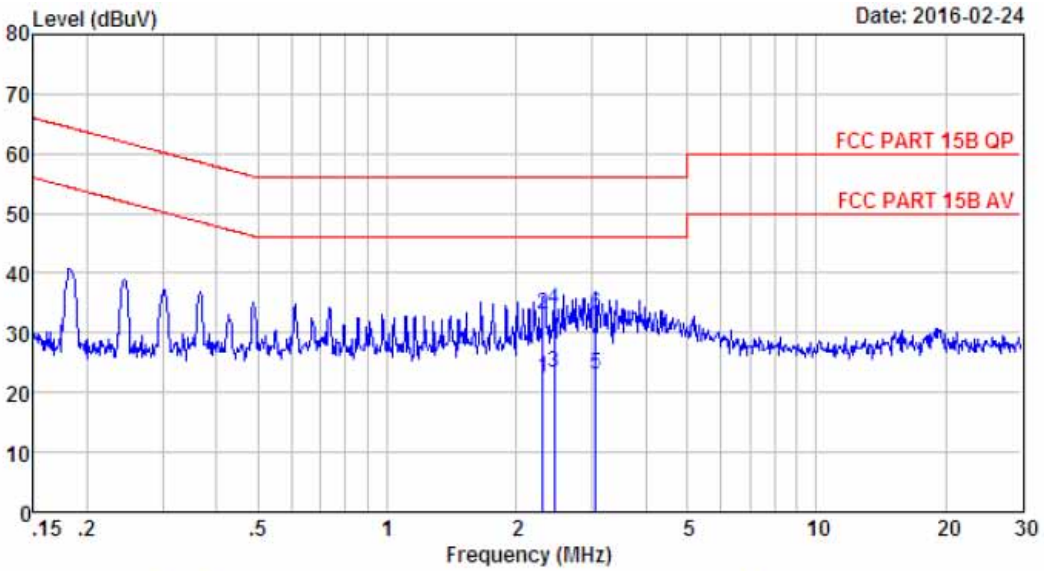
PASS. **(**All emissions not reported below are too low against the prescribed limits.)

10.4.Test data



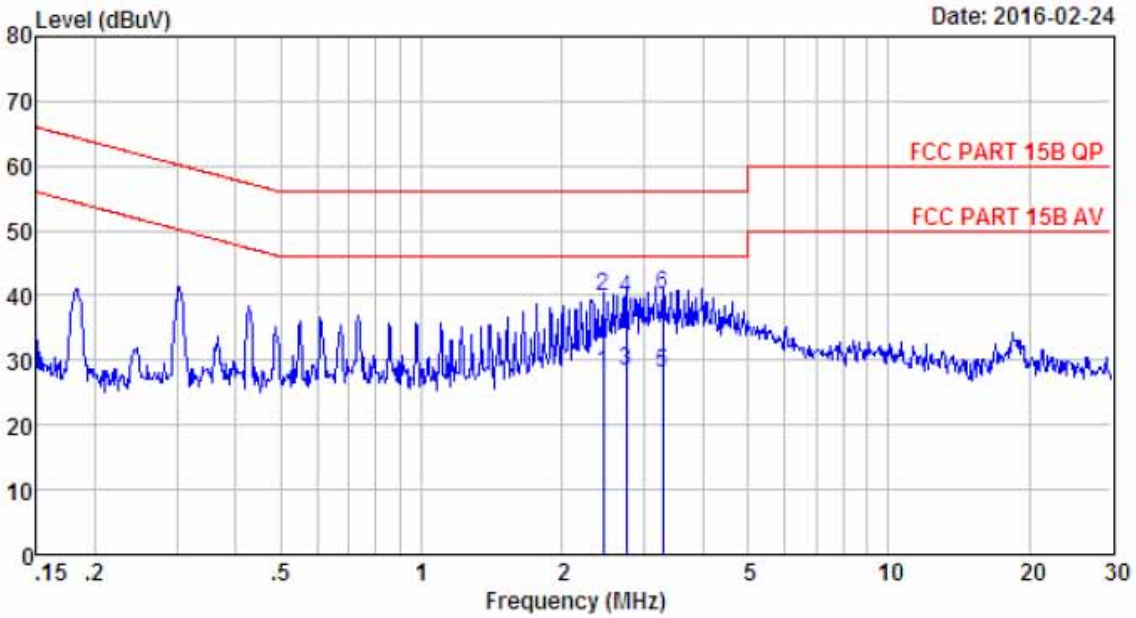
Site no : 844 Shield Room Data no. : 1133
Env. / Ins. : Temp:24.3'C Humi:58% Press:101.50kPa LINE Phase : LINE
Limit : FCC PART 15B QP
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : TX Mode

	Freq. (MHz)	LISN Factor (db)	Cable Loss (db)	Reading dBuV)	Emission Level (dBuv)	Limits (dBuv)	Margin (dB)	Remark
1	3.173	9.63	9.84	10.00	29.47	46.00	16.53	Average
2	3.173	9.63	9.84	17.50	36.97	56.00	19.03	QP
3	3.547	9.64	9.84	8.09	27.57	46.00	18.43	Average
4	3.547	9.64	9.84	16.49	35.97	56.00	20.03	QP
5	3.985	9.64	9.84	8.40	27.88	46.00	18.12	Average
6	3.985	9.64	9.84	17.60	37.08	56.00	18.92	QP



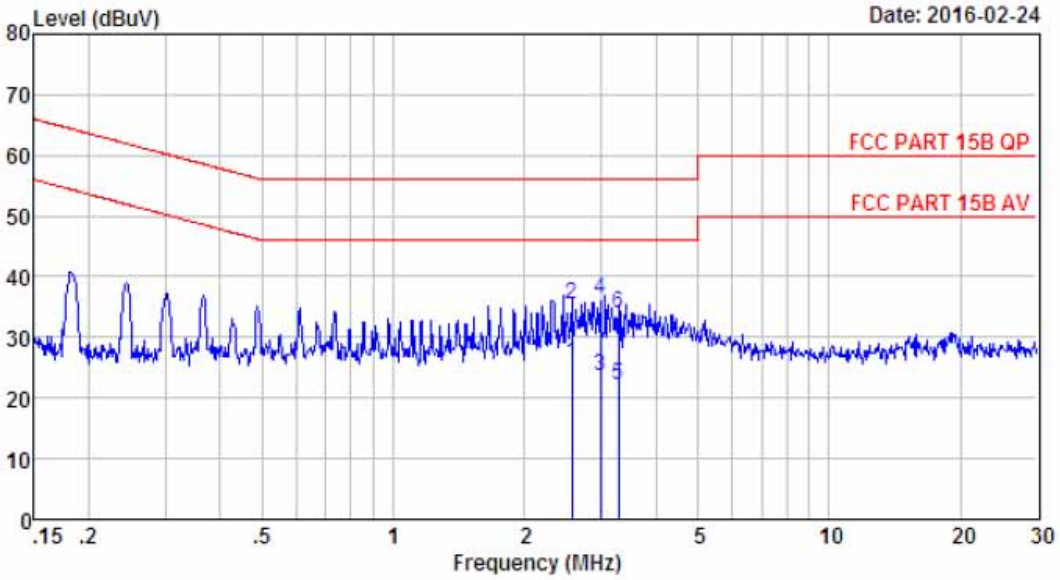
Site no : 844 Shield Room Data no. : 1135
Env. / Ins. : Temp:24.3'C Humi:58% Press:101.50kPa LINE Phase : NEUTRAL
Limit : FCC PART 15B QP
Engineer : Tony
EUT : Speaker
Power : AC 120V/60Hz
M/N : EON ONE
Test Mode : TX Mode

	Freq. (MHz)	LISN Factor (db)	Cable Loss (db)	Reading dBuV)	Emission Level (dBuv)	Limits (dBuv)	Margin (dB)	Remark
1	2.309	9.62	9.84	3.01	22.47	46.00	23.53	Average
2	2.309	9.62	9.84	13.71	33.17	56.00	22.83	QP
3	2.448	9.63	9.84	3.99	23.46	46.00	22.54	Average
4	2.448	9.63	9.84	14.49	33.96	56.00	22.04	QP
5	3.058	9.63	9.85	3.60	23.08	46.00	22.92	Average
6	3.058	9.63	9.85	13.50	32.98	56.00	23.02	QP



Site no : 844 Shield Room Data no. : 1137
Env. / Ins. : Temp:24.3'C Humi:58% Press:101.50kPa LINE Phase : LINE
Limit : FCC PART 15B QP
Engineer : Tony
EUT : Speaker
Power : AC 240V/50Hz
M/N : EON ONE
Test Mode : TX Mode

	Freq. (MHz)	ISN Factor (db)	Cable Loss (db)	Reading dBuV)	Emission Level (dBuv)	Limits (dBuv)	Margin (dB)	Remark
1	2.448	9.62	9.84	8.60	28.06	46.00	17.94	Average
2	2.448	9.62	9.84	20.50	39.96	56.00	16.04	QP
3	2.750	9.62	9.83	8.81	28.26	46.00	17.74	Average
4	2.750	9.62	9.83	20.01	39.46	56.00	16.54	QP
5	3.293	9.63	9.84	8.60	28.07	46.00	17.93	Average
6	3.293	9.63	9.84	20.60	40.07	56.00	15.93	QP



Site no : 844 Shield Room Data no. : 1139
Env. / Ins. : Temp:24.3'C Humi:58% Press:101.50kPa LINE Phase : NEUTRAL
Limit : FCC PART 15B QP
Engineer : Tony
EUT : Speaker
Power : AC 240V/50Hz
M/N : EON ONE
Test Mode : TX Mode

	Freq. (MHz)	ISN Factor (db)	Cable Loss (db)	Reading dBuV)	Emission Level (dBuv)	Limits (dBuv)	Margin (dB)	Remark
1	2.567	9.63	9.84	6.30	25.77	46.00	20.23	Average
2	2.567	9.63	9.84	15.90	35.37	56.00	20.63	QP
3	2.993	9.63	9.85	4.20	23.68	46.00	22.32	Average
4	2.993	9.63	9.85	16.90	36.38	56.00	19.62	QP
5	3.293	9.64	9.84	2.80	22.28	46.00	23.72	Average
6	3.293	9.64	9.84	14.50	33.98	56.00	22.02	QP

11. ANTENNA REQUIREMENTS

11.1. Limit

For intentional device, according to FCC 47 CFR Section 15.203, 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. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

11.2. Result

The antennas used for this product are internal Antenna and that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is only 2.13dBi.