FCC Test Report

Product Name	：	Headphone
Trade Name	：	
Model No.	：	VIE SHAIR
FCC ID.	：	NGVVIEH10001

Applicant	：	Airwave Technologies INC.
Address	：	4F, NO.9. INDUSTRY E. 9TH ROAD SCIENCE-BASED INDUSTRIAL PART, HSINCHU, TAIWAN, R.O.C.

Date of Receipt	：	Oct. 28, 2016
Issued Date	：	Dec. 20, 2016
Report No.	：	16B0054R-RFUSP01V00-A
Report Version	：	V1.0

Testing Laboratory
3024

Test Report Certification

Issued Date : Dec. 20, 2016
Report No. : 16B0054R-RFUSP01V00-A

Product Name	:	Headphone
Applicant	:	Airwave Technologies INC.
Address	:	4F, NO.9. INDUSTRY E. 9TH ROAD SCIENCE-BASED INDUSTRIAL PART, HSINCHU, TAIWAN, R.O.C.
Manufacturer	:	Airwave Technologies INC.
Model No.	:	VIE SHAIR
FCC ID.	:	NGVVIEH10001
EUT Voltage	:	DC 4.2V (Power by Battery) AC 110V/60Hz (Power by PC)
Testing Voltage	:	DC 4.2V (Power by Battery) AC 110V/60Hz (Power by PC)
Trade Name	:	
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart C Section 15.247: 2015
Test Lab	:	Hsin Chu Laboratory
Test Result	:	Complied

The test results relate only to the samples tested.

The test report shall not be reproduced except in full without the written approval of QuieTek Corporation.

Documented By : (Demi Chang / Senior Engineering Adm. Specialist)

Tested By : (Scott Chang / Assistant Engineer)

Approved By : (Roy Wang / Director)

Revision History

Report No.	Version	Description	Issued Date
16B0054R-RFUSP01V00-A	V1.0	Initial issue of report.	Dec. 20, 2016

Laboratory Information

We, **QuieTek Corporation**, are an independent RF consultancy that was established the whole facility in our laboratories. The test facility has been accredited/accepted (audited or listed) by the following related bodies in compliance with ISO 17025 specified testing scopes:

Taiwan R.O.C.	**:**	**TAF, Accreditation Number: 3024**
USA	**:**	**FCC, Registration Number: 834100**
Canada	**:**	**IC, Submission No: 181665 / IC Registration Number: 4075C-4**

The related certificate for our laboratories about the test site and management system can be downloaded from QuieTek Corporation's Web Site:http://www.quietek.com/english/about/certificates.aspx?bval=5

The address and introduction of QuieTek Corporation's laboratories can be founded in our Web site : http://www.quietek.com/index_en.aspx

If you have any comments, Please don't hesitate to contact us. Our contact information is as below:

Hsin Chu Laboratory :

No. 75-2, 3rd Lin, WangYe Keng, Yonghxing Tsuen, Qionglin Shiang, Hsinchu County 307, Taiwan (R.O.C.)
TEL:+886-3-592-8858 / FAX:+886-3-592-8859
No.372, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 310, Taiwan
No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 310, Taiwan
TEL:+886-3-582-8001 / FAX:+886-3- 582 8958 E-Mail : service@quietek.com

Lin Kou Laboratory :

No. 5-22, Ruishukeng, Linkou Dist., New Taipei City 24451, Taiwan (R.O.C.)
TEL : +886-2-8601-3788 / FAX : +886-2-8601-3789 E-Mail : service@quietek.com

TABLE OF CONTENTS

1. General Information

1.1. EUT Description

Product Name	Headphone
Trade Name	
Model No.	VIE SHAIR
Frequency Range	2402~2480MHz
Channel Number	79 Channels
Type of Modulation	GFSK / π/4 DQPSK / 8DPSK (BLE 3.0)

Antenna Information	
Antenna Type	PCB Antenna
Antenna Gain	4.75dBi

Accessories Information	
Audio Cable	Non-Shielded, 1.2m
micro USB Cable	Non-Shielded, 1.5m

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 00	2402 MHz	Channel 20	2422 MHz	Channel 40	2442 MHz	Channel 60	2462 MHz
Channel 01	2403 MHz	Channel 21	2423 MHz	Channel 41	2443 MHz	Channel 61	2463 MHz
Channel 02	2404 MHz	Channel 22	2424 MHz	Channel 42	2444 MHz	Channel 62	2464 MHz
Channel 03	2405 MHz	Channel 23	2425 MHz	Channel 43	2445 MHz	Channel 63	2465 MHz
Channel 04	2406 MHz	Channel 24	2426 MHz	Channel 44	2446 MHz	Channel 64	2466 MHz
Channel 05	2407 MHz	Channel 25	2427 MHz	Channel 45	2447 MHz	Channel 65	2467 MHz
Channel 06	2408 MHz	Channel 26	2428 MHz	Channel 46	2448 MHz	Channel 66	2468 MHz
Channel 07	2409 MHz	Channel 27	2429 MHz	Channel 47	2449 MHz	Channel 67	2469 MHz
Channel 08	2410 MHz	Channel 28	2430 MHz	Channel 48	2450 MHz	Channel 68	2470 MHz
Channel 09	2411 MHz	Channel 29	2431 MHz	Channel 49	2451 MHz	Channel 69	2471 MHz
Channel 10	2412 MHz	Channel 30	2432 MHz	Channel 50	2452 MHz	Channel 70	2472 MHz
Channel 11	2413 MHz	Channel 31	2433 MHz	Channel 51	2453 MHz	Channel 71	2473 MHz
Channel 12	2414 MHz	Channel 32	2434 MHz	Channel 52	2454 MHz	Channel 72	2474 MHz
Channel 13	2415 MHz	Channel 33	2435 MHz	Channel 53	2455 MHz	Channel 73	2475 MHz
Channel 14	2416 MHz	Channel 34	2436 MHz	Channel 54	2456 MHz	Channel 74	2476 MHz
Channel 15	2417 MHz	Channel 35	2437 MHz	Channel 55	2457 MHz	Channel 75	2477 MHz
Channel 16	2418 MHz	Channel 36	2438 MHz	Channel 56	2458 MHz	Channel 76	2478 MHz
Channel 17	2419 MHz	Channel 37	2439 MHz	Channel 57	2459 MHz	Channel 77	2479 MHz
Channel 18	2420 MHz	Channel 38	2440 MHz	Channel 58	2460 MHz	Channel 78	2480 MHz
Channel 19	2421 MHz	Channel 39	2441 MHz	Channel 59	2461 MHz		

Note:

1. This device is Headphone including BT3.0, BT4.2 and 2.4G transmitting and receiving function.
2. These test results on a sample of the equipment for the purpose of demonstrating compliance with Part 15 Subpart C Paragraph 15.247 for spread spectrum devices.
3. Regards to the frequency band operation; the lowest、middle and highest frequency of channel were selected to perform the test, and then shown on this report.
4. It is a Class B personal computer and peripheral. Its test report number is 16B0054R-RFUSP04V00 under part 15B with Declaration of Conformity.

1.2. Test Mode

QuieTek has verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

Pre-Test Mode	
TX	Mode 1: Transmit Mode_DH5 Mode 2: Transmit Mode_2DH5 Mode 3: Transmit Mode_3DH5 Mode 4: Transmit Mode_DH5 _Power by PC
Final Test Mode	
TX	Mode 1: Transmit Mode_DH5 Mode 2: Transmit Mode_2DH5 Mode 3: Transmit Mode_3DH5 Mode 4: Transmit Mode_DH5 _Power by PC

Emission	Mode 1	Mode 2	Mode 3	Mode 4
Conducted Emission	No	No	No	Yes
The maximum peak conducted output power	Yes	Yes	Yes	No
Radiated Emission	Yes	Yes	Yes	Yes
RF antenna conducted test	Yes	No	No	No
Band Edge	Yes	Yes	Yes	No
Number of hopping Frequency	Yes	No	No	No
Carrier Frequency Separation	Yes	No	No	No
Occupied Bandwidth	Yes	No	No	No
Dwell Time	Yes	Yes	Yes	No

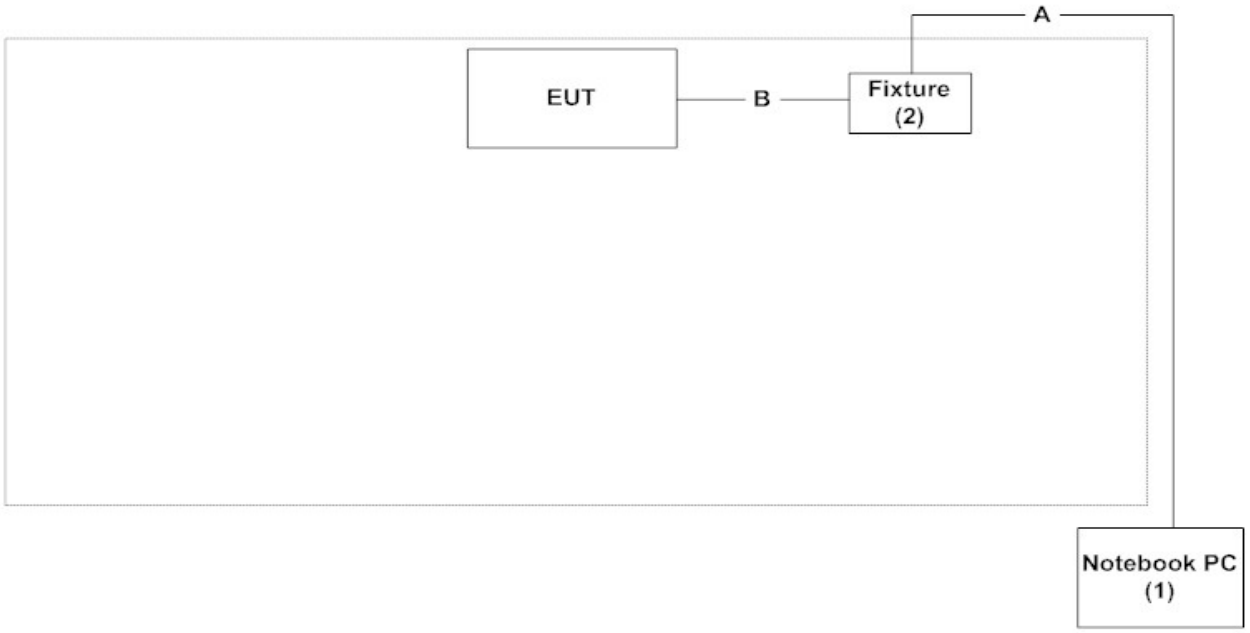
1.3. Tested System Details

The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

Product		Manufacturer	Model No.	Serial No.	FCC ID	Power Cord
1	Notebook PC	ASUS	K45VD	K45VD-0343G 3110M	DoC	Non-Shielded, 1.8m
2	Fixture	Airwave	N/A	N/A	DoC	--

1.4. Configuration of tested System

Connection Diagram



Signal Cable Type		Signal cable Description
A	USB Cable	Non-Shielded, 2m
B	Signal Cable	Non-Shielded, 0.5m

1.5. EUT Exercise Software

1	Setup the EUT as shown in Section 1.5.
2	Turn on the EUT and tested equipment power.
3	Configure the test mode, the test channel, and the data rate.
4	Press “Start TX” to start the continuous transmitting.
5	Verify that the EUT works properly.

1.6. Test Facility

Ambient conditions in the laboratory:

Items	Test Item	Required (IEC 68-1)	Actual
Temperature (°C)	FCC PART 15 C 15.247 The maximum peak conducted output power	15 - 35	24
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Radiated Emission (FHSS)	15 - 35	25
Humidity (%RH)		25 - 75	54
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Band Edge (FHSS)	15 - 35	25
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Number of hopping Frequency (FHSS)	15 - 35	24
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Carrier Frequency Separation (FHSS)	15 - 35	24
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Occupied Bandwidth (FHSS)	15 - 35	24
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 RF antenna conducted test (FHSS)	15 - 35	24
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Dwell Time (FHSS)	15 - 35	24
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000

2. Conducted Emission

2.1. Test Equipment

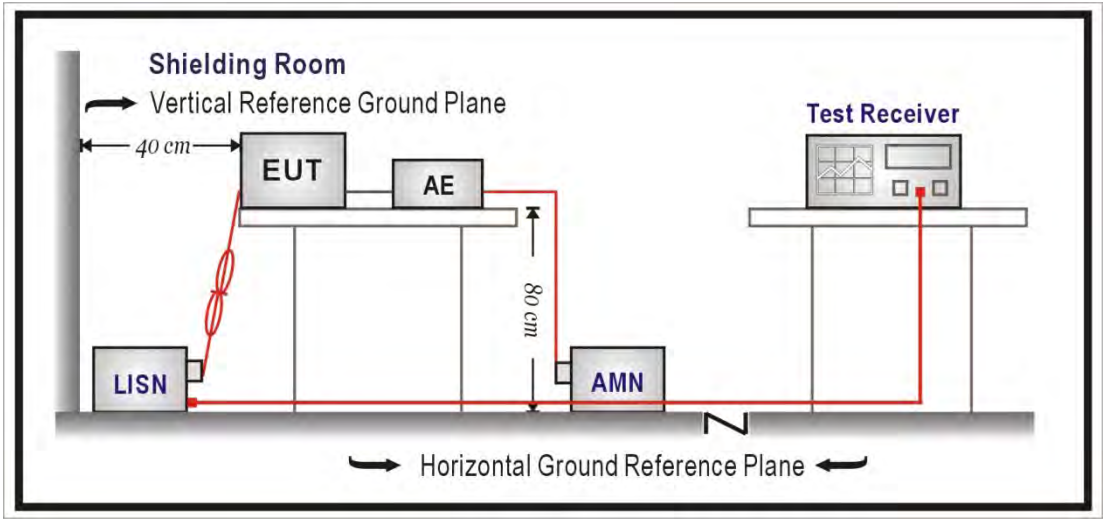
The following test equipments are used during the test:

Conducted Emission / SR2

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Artificial Mains Network	R&S	ENV4200	848411/010	2017/01/20
LISN	R&S	ENV216	100092	2017/08/16
Test Receiver	R&S	ESCS 30	825442/014	2017/06/29

Note: All equipments that need to calibrate are with calibration period of 1 year.

2.2. Test Setup



2.3. Limits

FCC Part 15 Subpart C Paragraph 15.207 Limits (dBuV)		
Frequency MHz	QP	AV
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Remarks: In the above table, the tighter limit applies at the band edges.

2.4. Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm /50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs.)
Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2013 on conducted measurement.
Conducted emissions were invested over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

2.5. Test Specification

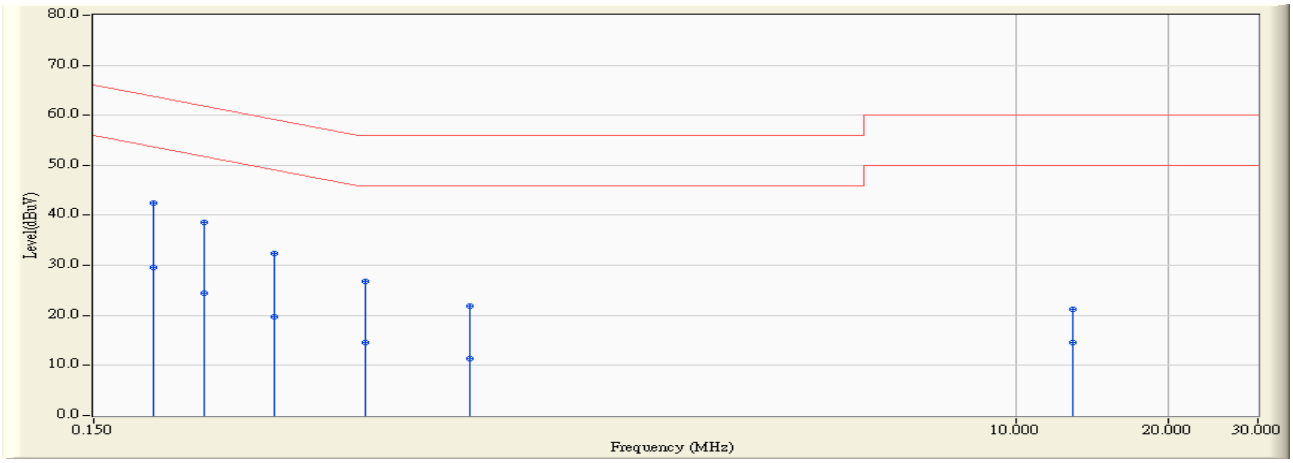
According to FCC Part 15 Subpart C Paragraph 15.247: 2015

2.6. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

2.7. Test Result

Site : SR2	**Time : 2016/12/13 - 11:41**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-6_0712 - Line1	**Power : AC 120V / 60Hz**
EUT : Headphone	**Note : Mode 4: Transmit Mode_DH5 _Power by PC**

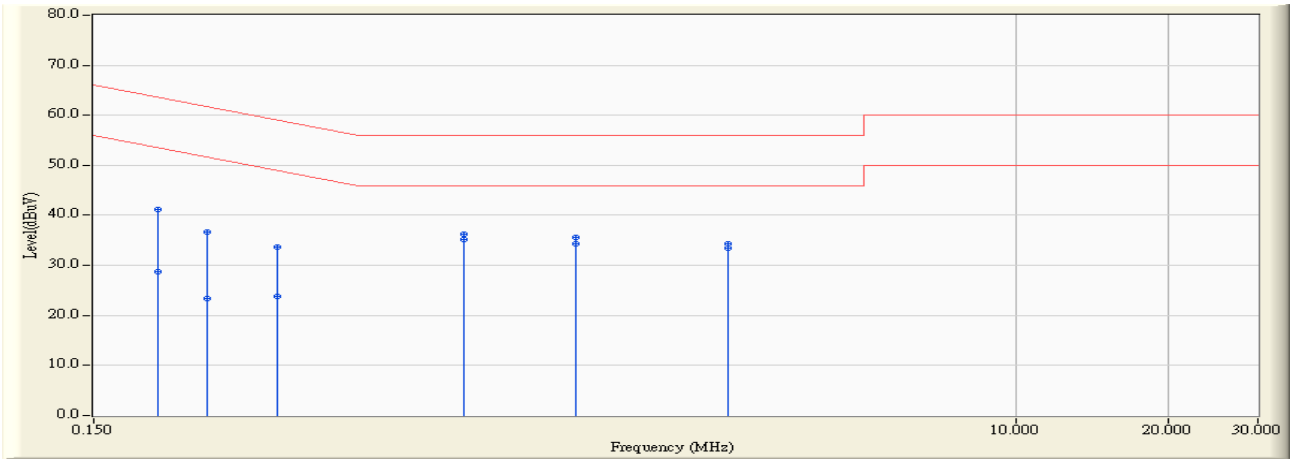


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.197	9.750	32.780	42.530	-21.211	63.741	QUASIPEAK
2		0.197	9.750	19.920	29.670	-24.071	53.741	AVERAGE
3		0.248	9.745	28.940	38.685	-23.150	61.835	QUASIPEAK
4		0.248	9.745	14.720	24.465	-27.370	51.835	AVERAGE
5		0.341	9.736	22.620	32.356	-26.813	59.169	QUASIPEAK
6		0.341	9.736	10.030	19.766	-29.403	49.169	AVERAGE
7		0.517	9.731	17.080	26.812	-29.188	56.000	QUASIPEAK
8		0.517	9.731	4.760	14.492	-31.508	46.000	AVERAGE
9		0.830	9.789	12.100	21.889	-34.111	56.000	QUASIPEAK
10		0.830	9.789	1.560	11.349	-34.651	46.000	AVERAGE
11		12.912	10.182	11.080	21.262	-38.738	60.000	QUASIPEAK
12		12.912	10.182	4.390	14.572	-35.428	50.000	AVERAGE

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : SR2	**Time : 2016/12/13 - 11:44**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-6_0712 - Line2	**Power : AC 120V / 60Hz**
EUT : Headphone	**Note : Mode 4: Transmit Mode_DH5 _Power by PC**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.201	9.751	31.520	41.271	-22.308	63.578	QUASIPEAK
2		0.201	9.751	19.090	28.841	-24.738	53.578	AVERAGE
3		0.252	9.750	26.960	36.710	-24.995	61.705	QUASIPEAK
4		0.252	9.750	13.680	23.430	-28.275	51.705	AVERAGE
5		0.345	9.750	23.860	33.610	-25.464	59.074	QUASIPEAK
6		0.345	9.750	14.110	23.860	-25.214	49.074	AVERAGE
7		0.806	9.791	26.500	36.291	-19.709	56.000	QUASIPEAK
8	*	0.806	9.791	25.420	35.211	-10.789	46.000	AVERAGE
9		1.341	9.830	25.800	35.630	-20.370	56.000	QUASIPEAK
10		1.341	9.830	24.540	34.370	-11.630	46.000	AVERAGE
11		2.685	9.847	24.560	34.407	-21.593	56.000	QUASIPEAK
12		2.685	9.847	23.560	33.407	-12.593	46.000	AVERAGE

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

3. The maximum peak conducted output power

3.1. Test Equipment

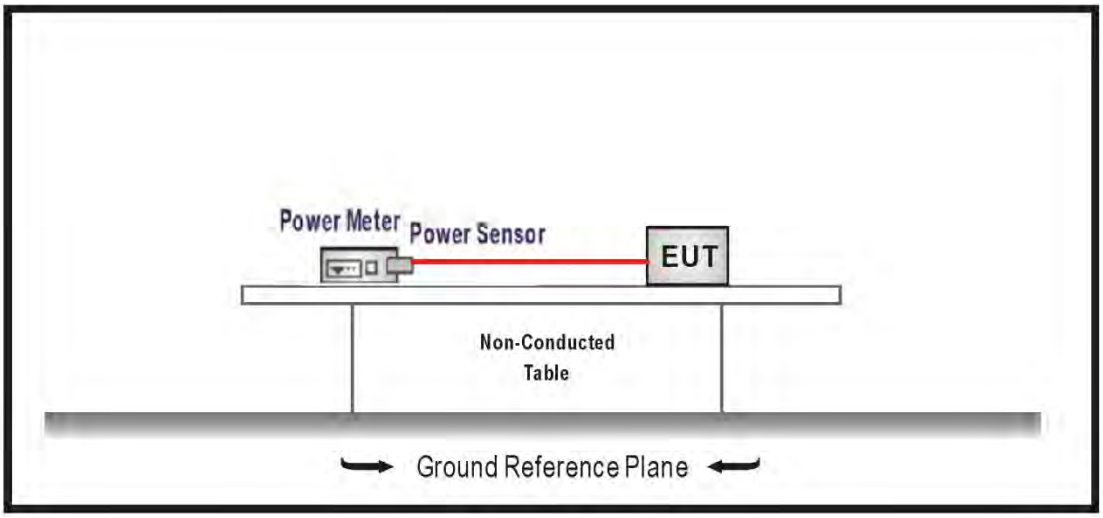
The following test equipment is used during the test:

The maximum peak conducted output power / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
High Speed Peak Power Meter Dual Input	Anritsu	ML2496A	1602004	2017/02/09
Pulse Power Sensor	Anritsu	MA2411B	1531043	2017/01/13
Pulse Power Sensor	Anritsu	MA2411B	1531044	2017/01/13

Note: All equipment upon which need to calibrated are with calibration period of 1 year.

3.2. Test Setup



3.3. Test procedures

The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of FCC KDB 558074 D01 for compliance to FCC 47CFR 15.247 requirements.

3.4. Limits

(1)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.
(2) For frequency hopping systems operating in the 902-928 MHz band: 1 watt for systems employing at least 50 hopping channels; and, 0.25 watts for systems employing less than 50 hopping channels, but at least 25 hopping channels.

3.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2015

3.6. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB.

3.7. Test Result

Product	Headphone		
Test Item	The maximum peak conducted output power		
Test Mode	Mode 1: Transmit Mode_DH5		
Date of Test	2016/11/15	Test Site	SR7

GFSK

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
00	2402	5.94	30	Pass
39	2441	8.02	30	Pass
78	2480	7.86	30	Pass

π/4-DQPSK

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
00	2402	3.72	30	Pass
39	2441	6.25	30	Pass
78	2480	5.95	30	Pass

8-DPSK

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
00	2402	4.08	30	Pass
39	2441	6.67	30	Pass
78	2480	6.37	30	Pass

4. Radiated Emission

4.1. Test Equipment

The following test equipments are used during the test:

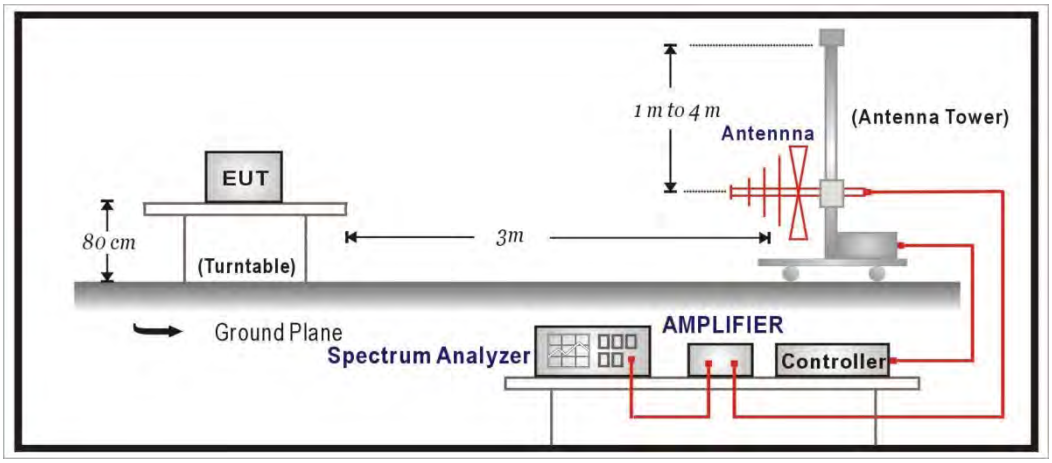
Radiated Emission / CB1

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Bilog Antenna	Schaffner	CBL6112B	2895	2017/08/14
Double Ridged Guide Horn Antenna	Schwarzbeck	BBHA 9120	D743	2017/01/14
Pre-Amplifier	EMCI	EMC0031835	980233	2017/01/26
Pre-Amplifier	QuieTek	AP-025C	CHM-0706049	2017/01/03
Spectrum Analyzer	Agilent	E4440A	MY46187335	2016/12/24
k Type Cable	Huber+Suhner	SF 102	25623/2	2017/01/11

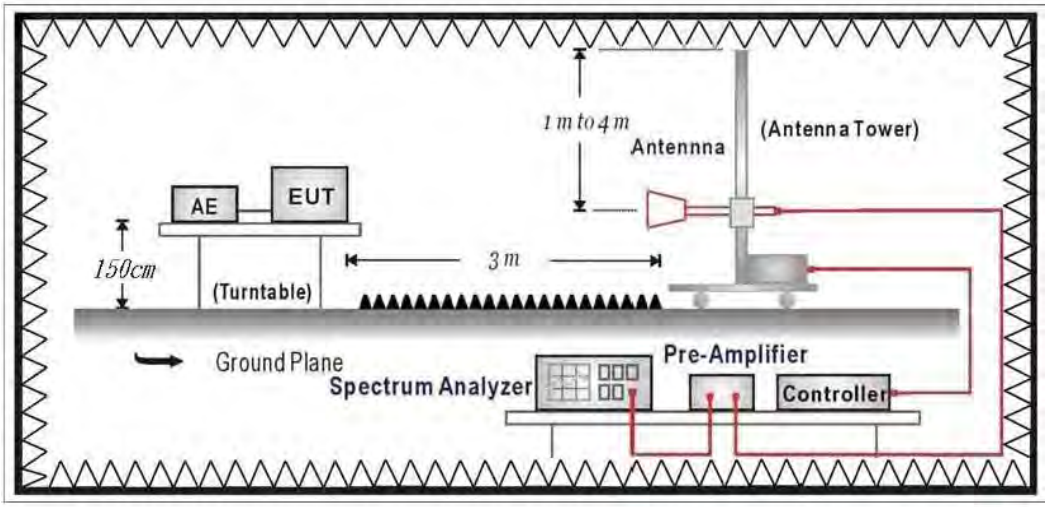
Note: All equipments that need to calibrate are with calibration period of 1 year.

4.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



4.3. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

FCC Part 15 Subpart C Paragraph 15.209 Limits		
Frequency MHz	uV/m	dBuV/m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

Remarks : 1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
2. In the Above Table, the tighter limit applies at the band edges.
3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

4.4. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of FCC KDB 558074 D01 for compliance to FCC 47CFR 15.247 requirements.
The EUT and its simulators are placed on a turn table which is 0.8 meter or 1.5m above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level.
The antenna can move 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 measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10: 2013 on radiated measurement.
On any frequency or frequencies below or equal to 1000 MHz, the limits shown are based on measuring equipment employing a quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limits shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit. The bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz.

4.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2015

4.6. Uncertainty

The measurement uncertainty

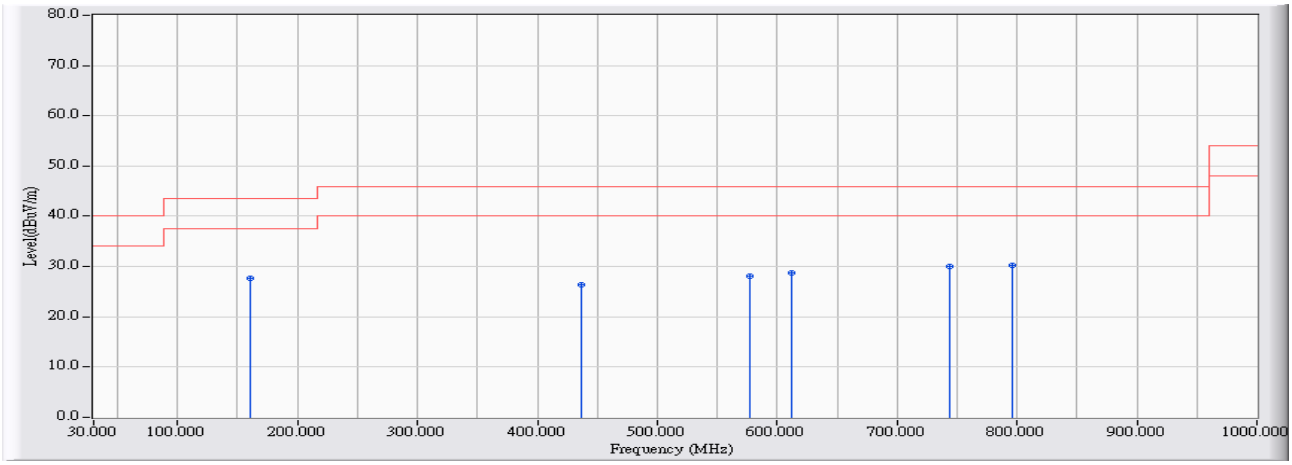
30MHz～1GHz as ±3.43dB

1GHz～26.5Ghz as ±3.65dB

4.7. Test Result

30MHz-1GHz Spurious

Site : CB1	**Time : 2016/11/25 - 18:14**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - HORIZONTAL	**Power : DC 4.2V**
EUT : Headphone	**Note : Mode 1: Transmit Mode_DH5_2441MHz**

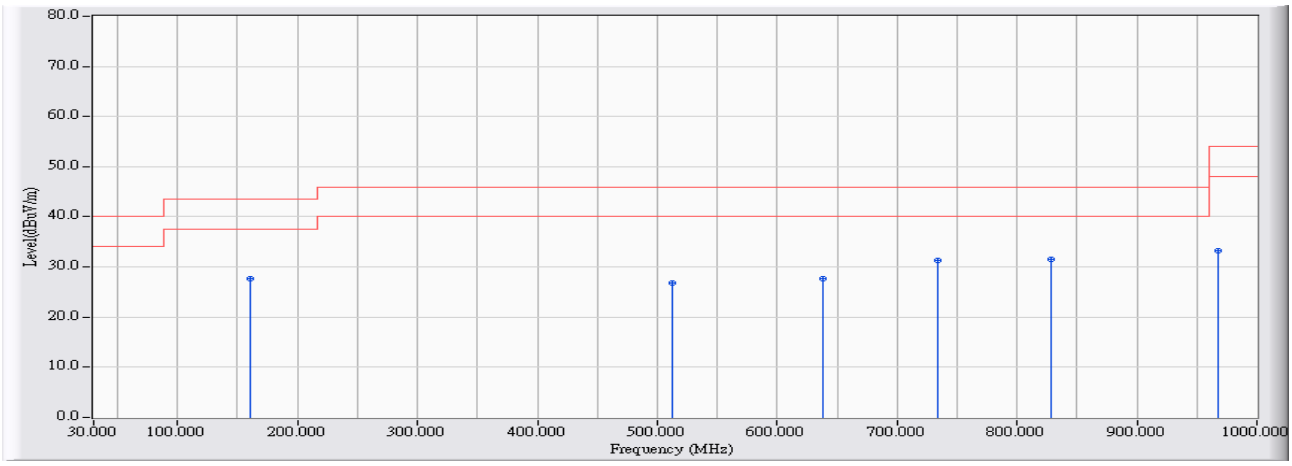


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		160.161	17.889	9.743	27.633	-15.867	43.500	QUASIPEAK
2		436.292	16.774	9.658	26.433	-19.567	46.000	QUASIPEAK
3		577.413	19.260	8.858	28.119	-17.881	46.000	QUASIPEAK
4		611.457	19.863	8.945	28.807	-17.193	46.000	QUASIPEAK
5		744.334	21.657	8.318	29.975	-16.025	46.000	QUASIPEAK
6	*	796.029	22.380	7.855	30.235	-15.765	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2016/11/25 - 18:16**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - VERTICAL	**Power : DC 4.2V**
EUT : Headphone	**Note : Mode 1: Transmit Mode_DH5_2441MHz**

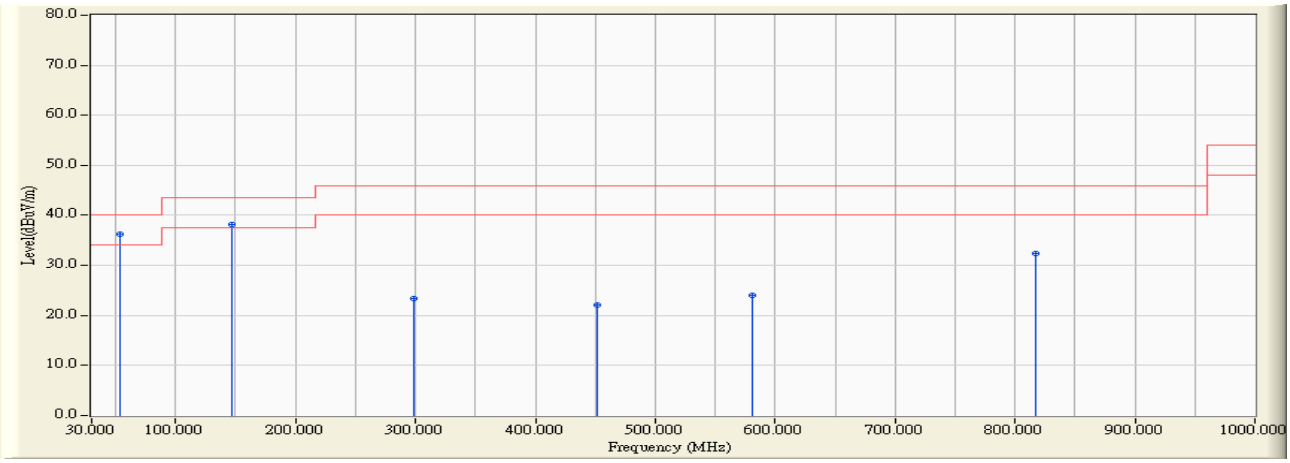


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		160.161	17.889	9.743	27.633	-15.867	43.500	QUASIPEAK
2		512.333	17.943	8.896	26.839	-19.161	46.000	QUASIPEAK
3		638.711	20.225	7.412	27.637	-18.363	46.000	QUASIPEAK
4		734.344	21.599	9.636	31.235	-14.765	46.000	QUASIPEAK
5	*	828.133	22.688	8.738	31.426	-14.574	46.000	QUASIPEAK
6		967.411	24.130	9.155	33.285	-20.715	54.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2016/12/17 - 21:54**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - HORIZONTAL	**Power :Power by PC**
EUT : Headphone	**Note : Mode 4: Transmit Mode_DH5 _Power by PC_2441MHz**

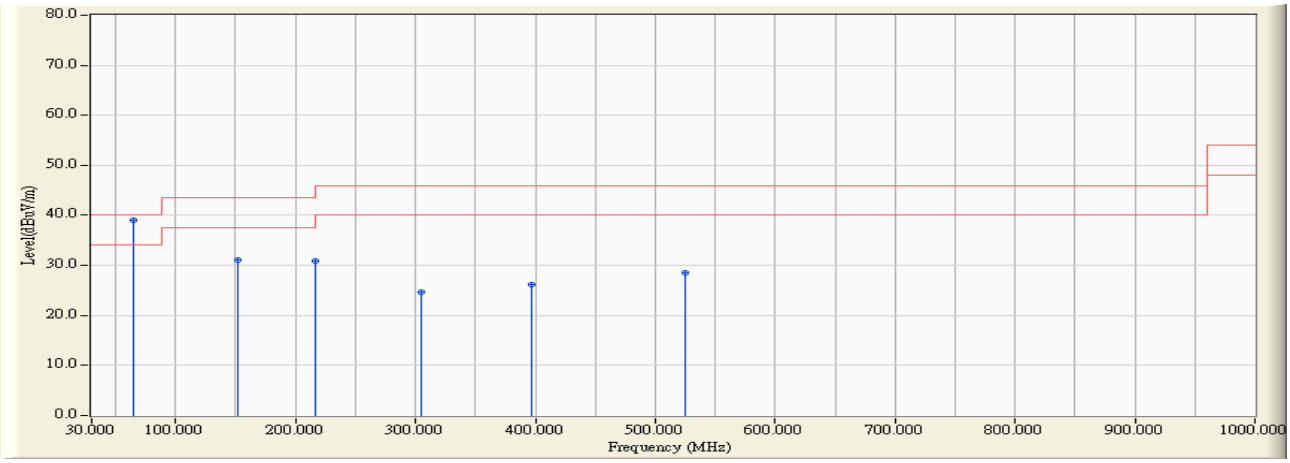


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	53.765	11.300	24.926	36.226	-3.774	40.000	QUASIPEAK
2		146.788	17.172	21.098	38.270	-5.230	43.500	QUASIPEAK
3		298.787	13.886	9.560	23.446	-22.554	46.000	QUASIPEAK
4		451.659	17.139	4.897	22.036	-23.964	46.000	QUASIPEAK
5		580.669	19.325	4.780	24.105	-21.895	46.000	QUASIPEAK
6		816.573	22.585	9.850	32.436	-13.564	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2016/12/19 - 11:39**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - VERTICAL	**Power :Power by PC**
EUT : Headphone	**Note : Mode 4: Transmit Mode_DH5 _Power by PC_2441MHz**

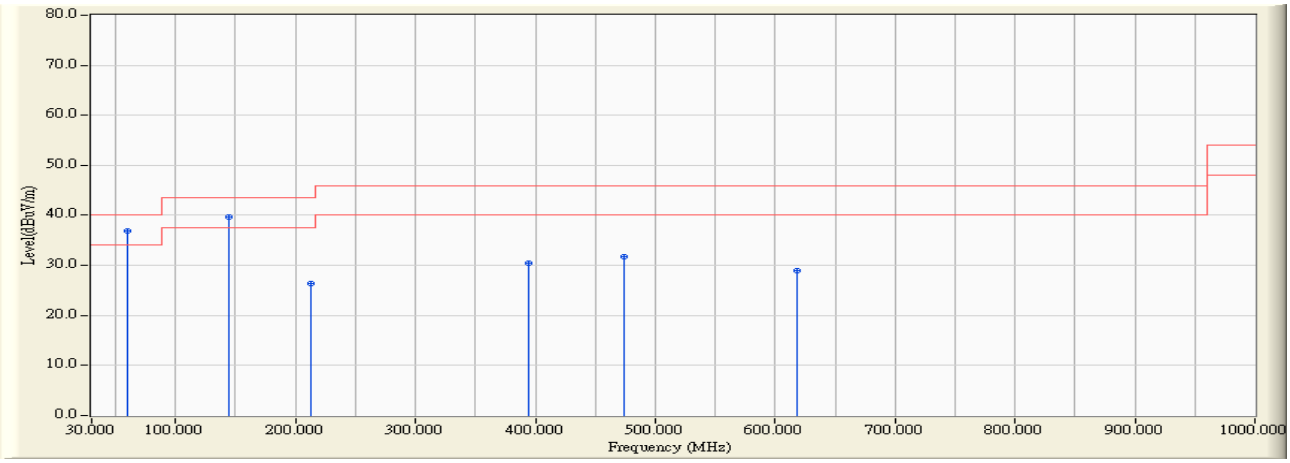


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	65.405	9.348	29.763	39.111	-0.889	40.000	QUASIPEAK
2		152.123	17.771	13.301	31.072	-12.428	43.500	QUASIPEAK
3		216.337	12.234	18.593	30.827	-15.173	46.000	QUASIPEAK
4		304.219	13.994	10.713	24.707	-21.293	46.000	QUASIPEAK
5		396.466	15.785	10.485	26.270	-19.730	46.000	QUASIPEAK
6		525.185	18.206	10.337	28.543	-17.457	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2016/12/19 - 13:56**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - HORIZONTAL	**Power :Power by PC**
EUT : Headphone	**Note : Mode 4: Transmit Mode_DH5 _Power by PC_2441MHz**

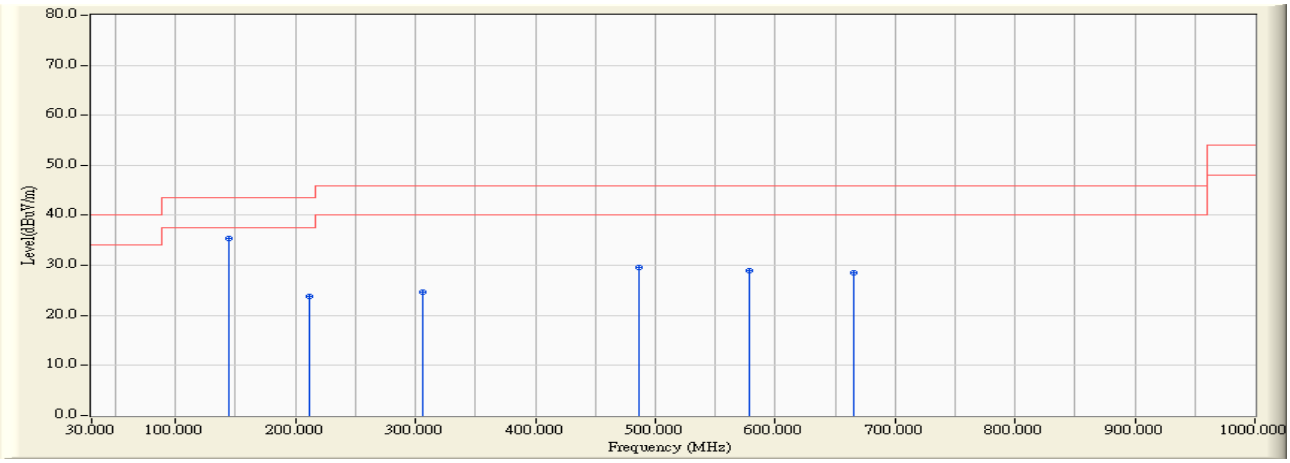


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	59.973	10.956	26.008	36.964	-3.036	40.000	QUASIPEAK
2		143.975	16.684	22.973	39.657	-3.843	43.500	QUASIPEAK
3		212.554	12.285	14.179	26.463	-17.037	43.500	QUASIPEAK
4		394.138	15.735	14.641	30.377	-15.623	46.000	QUASIPEAK
5		474.163	17.396	14.370	31.765	-14.235	46.000	QUASIPEAK
6		618.693	19.958	8.917	28.876	-17.124	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2016/12/19 - 13:58**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - VERTICAL	**Power :Power by PC**
EUT : Headphone	**Note : Mode 4: Transmit Mode_DH5 _Power by PC_2441MHz**

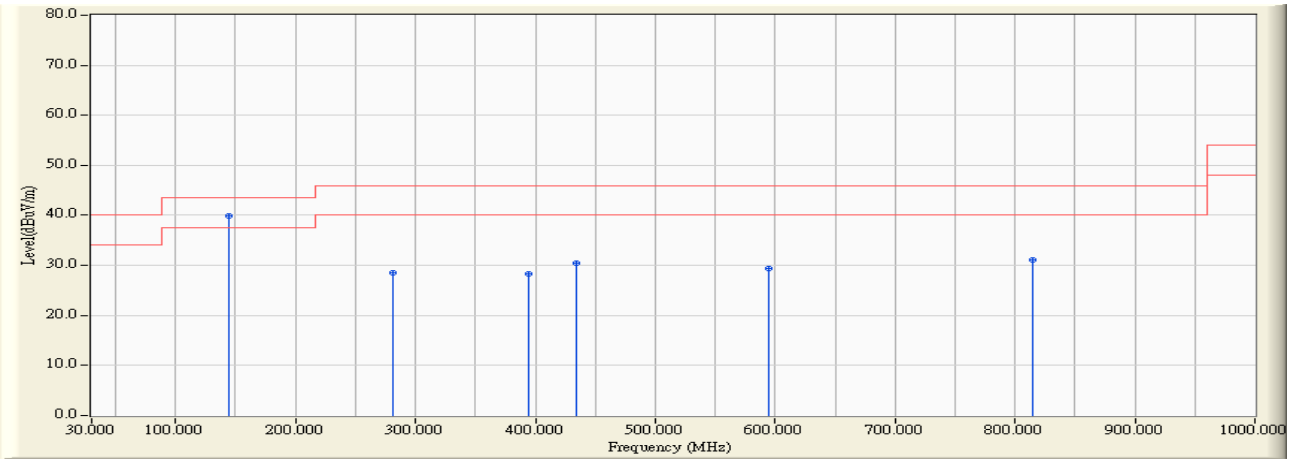


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	143.975	16.684	18.808	35.492	-8.008	43.500	QUASIPEAK
2		211.293	12.301	11.575	23.876	-19.624	43.500	QUASIPEAK
3		305.577	14.018	10.674	24.692	-21.308	46.000	QUASIPEAK
4		485.997	17.531	11.961	29.491	-16.509	46.000	QUASIPEAK
5		578.923	19.290	9.664	28.955	-17.045	46.000	QUASIPEAK
6		665.738	20.698	7.917	28.615	-17.385	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2016/12/19 - 14:00**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - HORIZONTAL	**Power :Power by PC**
EUT : Headphone	**Note : Mode 4: Transmit Mode_DH5 _Power by PC_2441MHz**

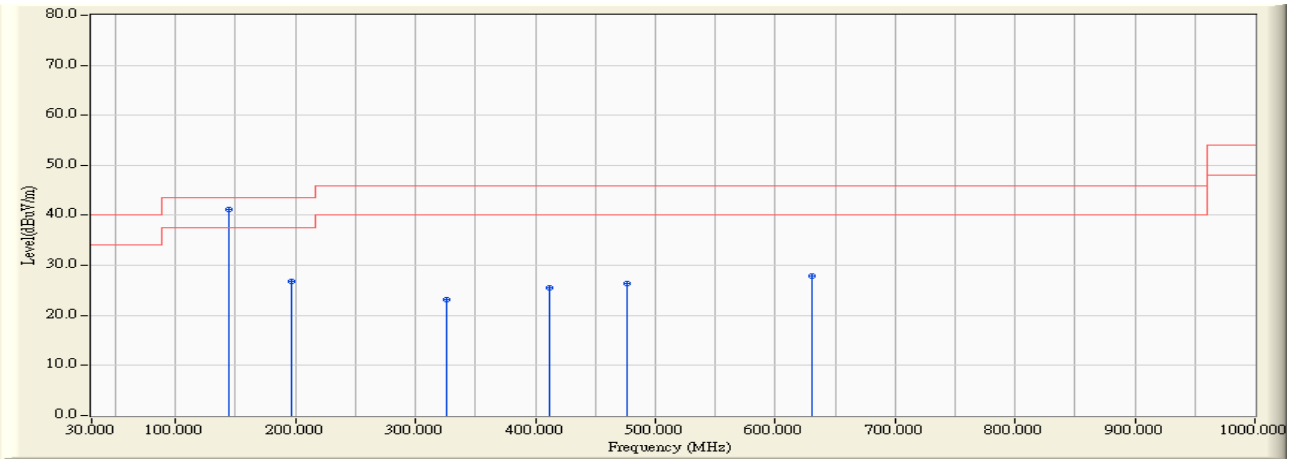


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	144.072	16.701	23.151	39.852	-3.648	43.500	QUASIPEAK
2		281.036	13.382	15.142	28.523	-17.477	46.000	QUASIPEAK
3		394.138	15.735	12.634	28.370	-17.630	46.000	QUASIPEAK
4		434.587	16.732	13.717	30.449	-15.551	46.000	QUASIPEAK
5		595.025	19.611	9.797	29.408	-16.592	46.000	QUASIPEAK
6		815.215	22.574	8.552	31.126	-14.874	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2016/12/19 - 14:01**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - VERTICAL	**Power :Power by PC**
EUT : Headphone	**Note : Mode 4: Transmit Mode_DH5 _Power by PC_2441MHz**



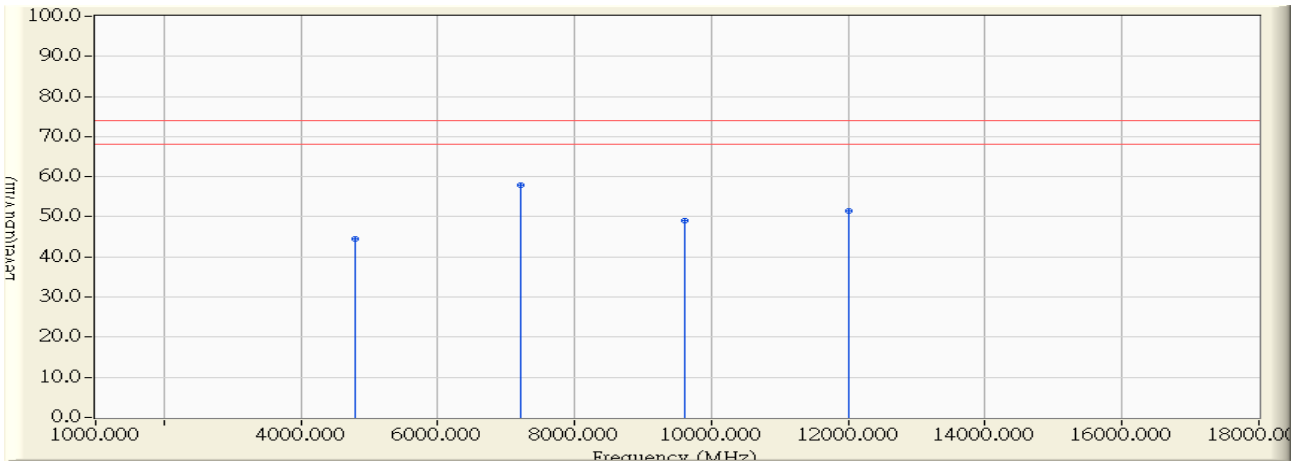
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	143.975	16.684	24.484	41.168	-2.332	43.500	QUASIPEAK
2		196.258	12.565	14.163	26.728	-16.772	43.500	QUASIPEAK
3		326.141	14.380	8.814	23.194	-22.806	46.000	QUASIPEAK
4		411.210	16.142	9.409	25.551	-20.449	46.000	QUASIPEAK
5		476.200	17.419	8.953	26.372	-19.628	46.000	QUASIPEAK
6		630.721	20.118	7.795	27.914	-18.086	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Above 1GHz Spurious:

Site : CB1	**Time : 2016/11/29 - 14:49**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : DC 4.2V (Power By Battery)**
EUT : Headphone	**Note : Mode 1: Transmit Mode_DH5_2402MHz**

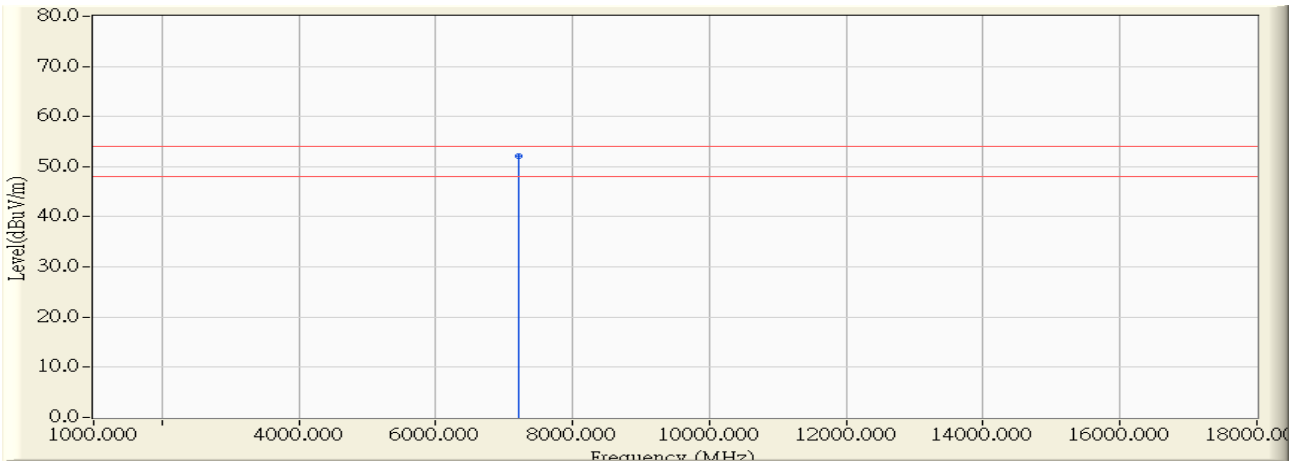


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4803.000	-2.616	47.030	44.414	-29.586	74.000	PEAK
2	*	7206.000	5.866	52.070	57.937	-16.063	74.000	PEAK
3		9603.000	7.415	41.730	49.145	-24.855	74.000	PEAK
4		12014.000	10.392	41.030	51.422	-22.578	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/11/29 - 14:50**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 1: Transmit Mode_DH5_2402MHz**

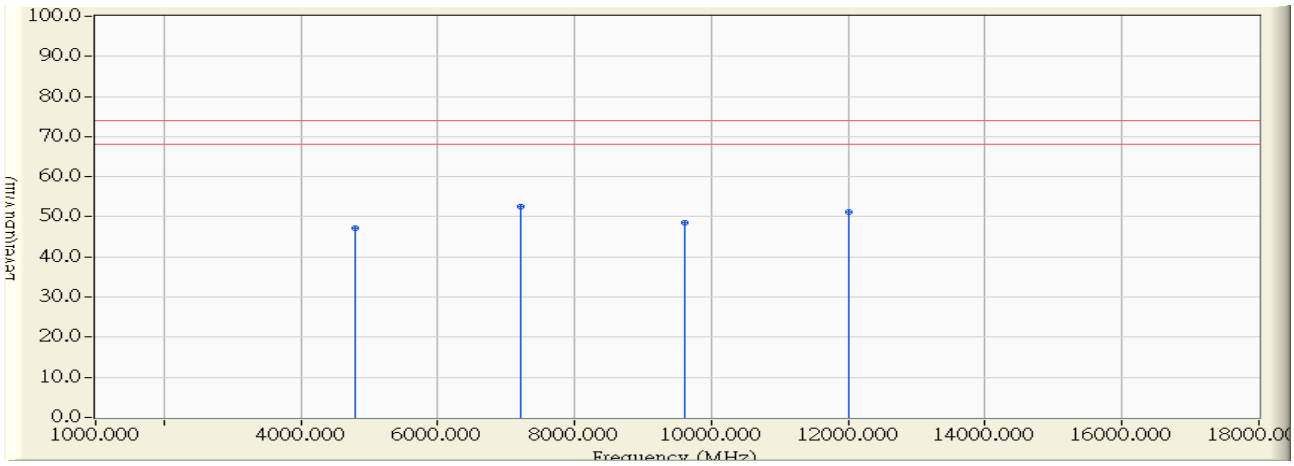


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7205.000	5.865	46.330	52.195	-1.805	54.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/11/29 - 15:15**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 1: Transmit Mode_DH5_2402MHz**

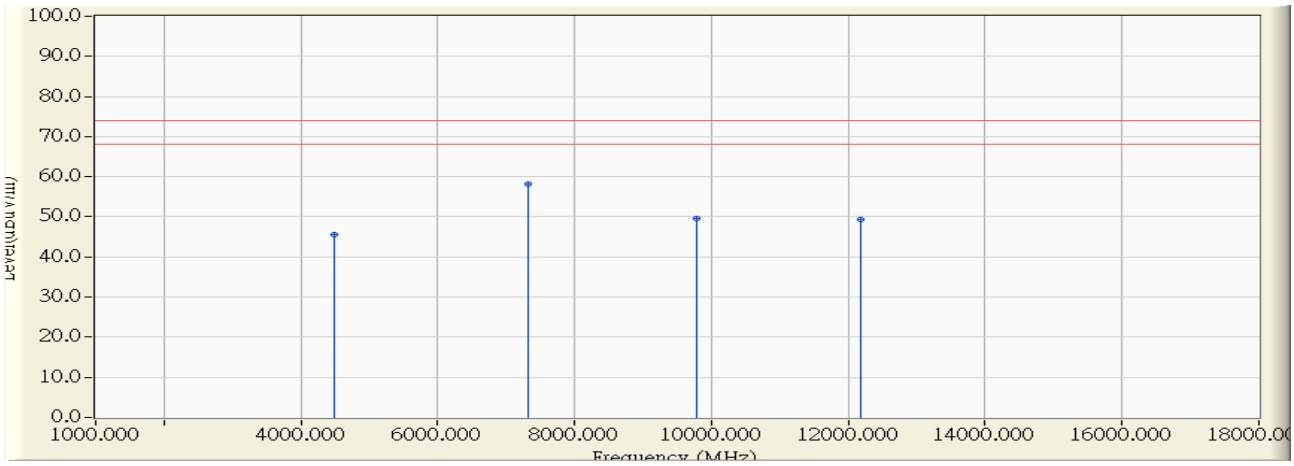


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4803.000	-1.666	48.860	47.194	-26.806	74.000	PEAK
2	*	7206.000	5.366	47.230	52.597	-21.403	74.000	PEAK
3		9607.000	7.001	41.650	48.651	-25.349	74.000	PEAK
4		12010.000	9.925	41.330	51.254	-22.746	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/11/29 - 15:44**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 1: Transmit Mode_DH5_2441MHz**

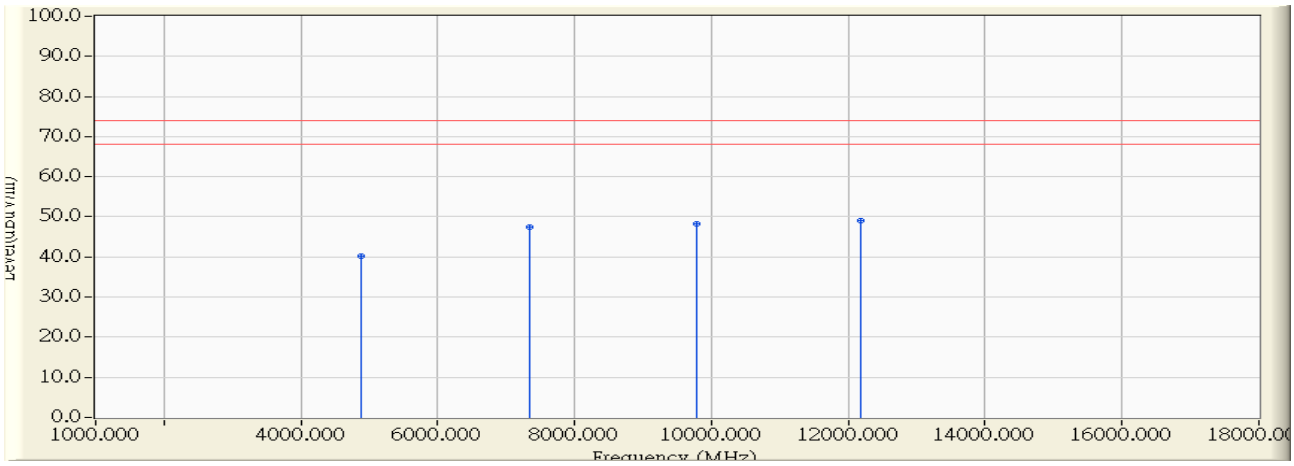


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4481.000	-3.477	49.150	45.674	-28.326	74.000	PEAK
2	*	7322.000	6.095	51.990	58.085	-15.915	74.000	PEAK
3		9783.000	8.390	41.110	49.500	-24.500	74.000	PEAK
4		12188.000	10.184	39.220	49.405	-24.595	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/11/29 - 16:10**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 1: Transmit Mode_DH5_2441MHz**

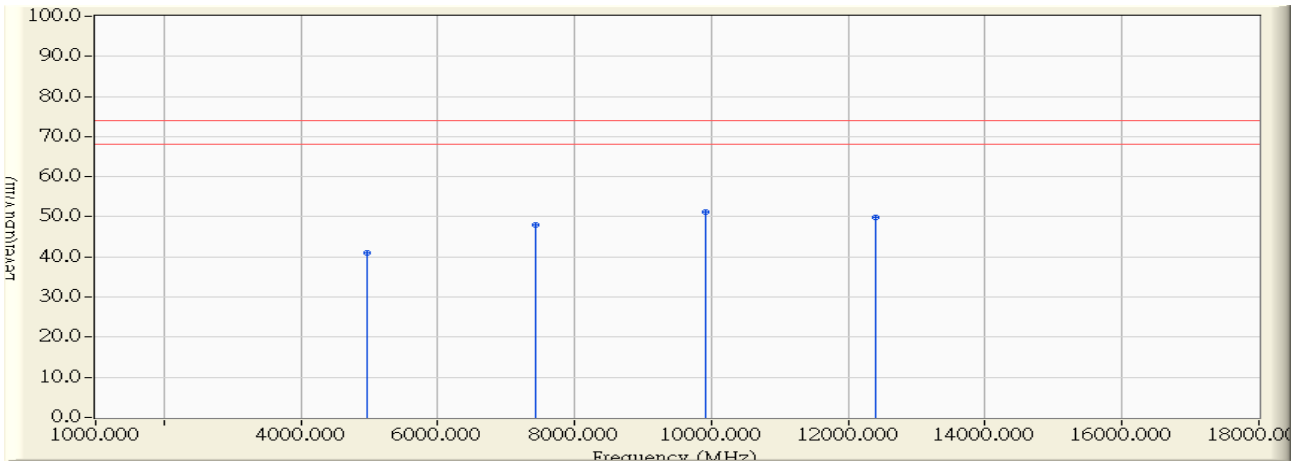


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4880.000	-1.652	41.880	40.228	-33.772	74.000	PEAK
2		7341.000	5.632	41.930	47.563	-26.437	74.000	PEAK
3		9781.000	7.682	40.520	48.202	-25.798	74.000	PEAK
4	*	12189.000	9.890	39.270	49.159	-24.841	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/11/29 - 16:25**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 1: Transmit Mode_DH5_2480MHz**

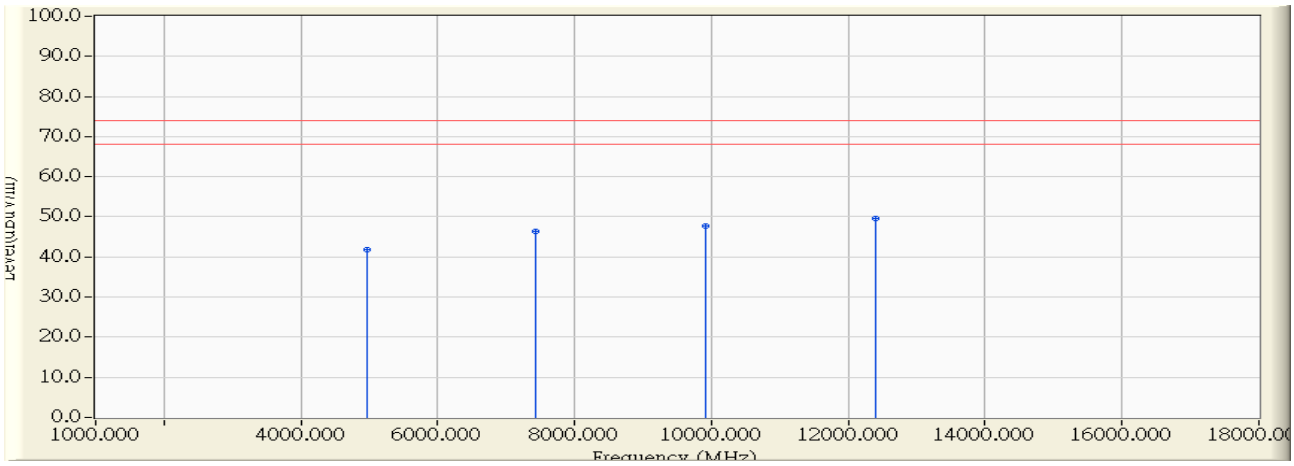


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4963.000	-2.187	43.190	41.003	-32.997	74.000	PEAK
2		7438.000	6.323	41.740	48.063	-25.937	74.000	PEAK
3	*	9922.000	9.143	42.070	51.213	-22.787	74.000	PEAK
4		12395.000	9.938	39.990	49.928	-24.072	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/11/29 - 16:32**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 1: Transmit Mode_DH5_2480MHz**

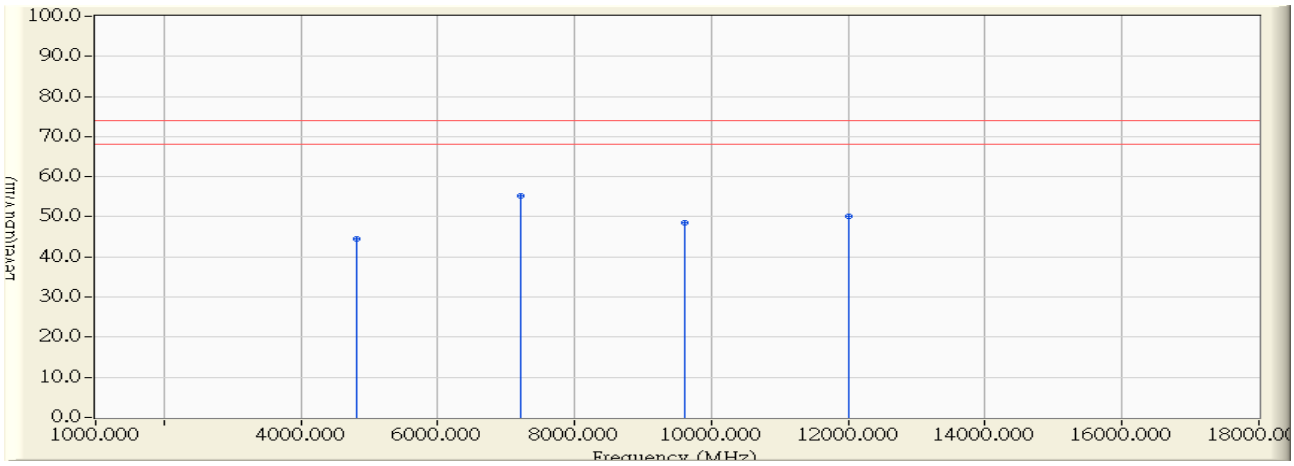


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4962.000	-1.636	43.380	41.743	-32.257	74.000	PEAK
2		7440.000	5.828	40.530	46.357	-27.643	74.000	PEAK
3		9920.000	8.227	39.550	47.776	-26.224	74.000	PEAK
4	*	12401.000	9.849	39.660	49.509	-24.491	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/11/29 - 17:12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 2: Transmit Mode_2DH5_2402MHz**

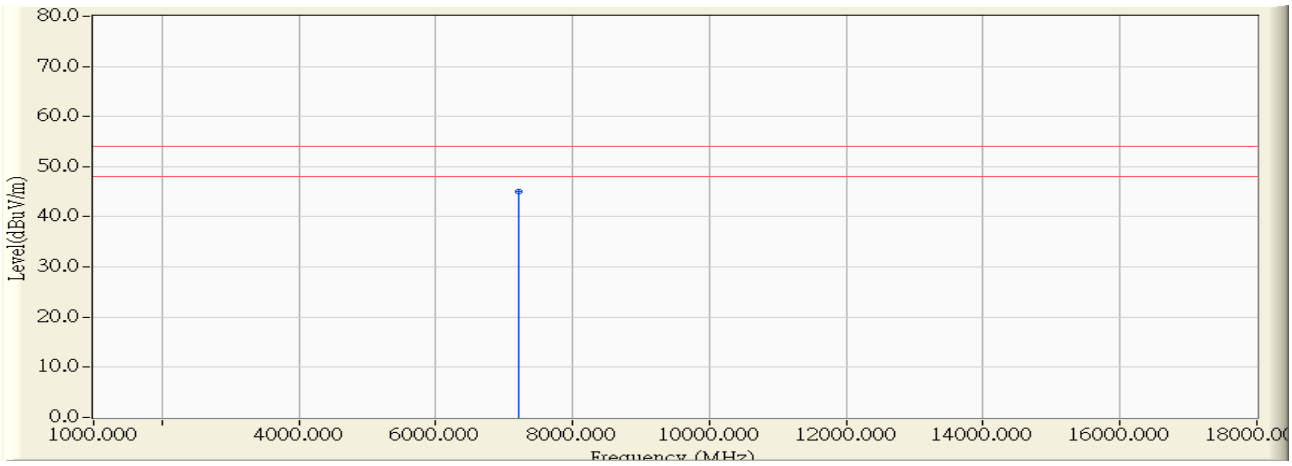


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4804.000	-2.613	46.990	44.377	-29.623	74.000	PEAK
2	*	7205.000	5.865	49.450	55.315	-18.685	74.000	PEAK
3		9608.000	7.442	41.110	48.552	-25.448	74.000	PEAK
4		12007.000	10.400	39.840	50.240	-23.760	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/11/29 - 17:26**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 2: Transmit Mode_2DH5_2402MHz**

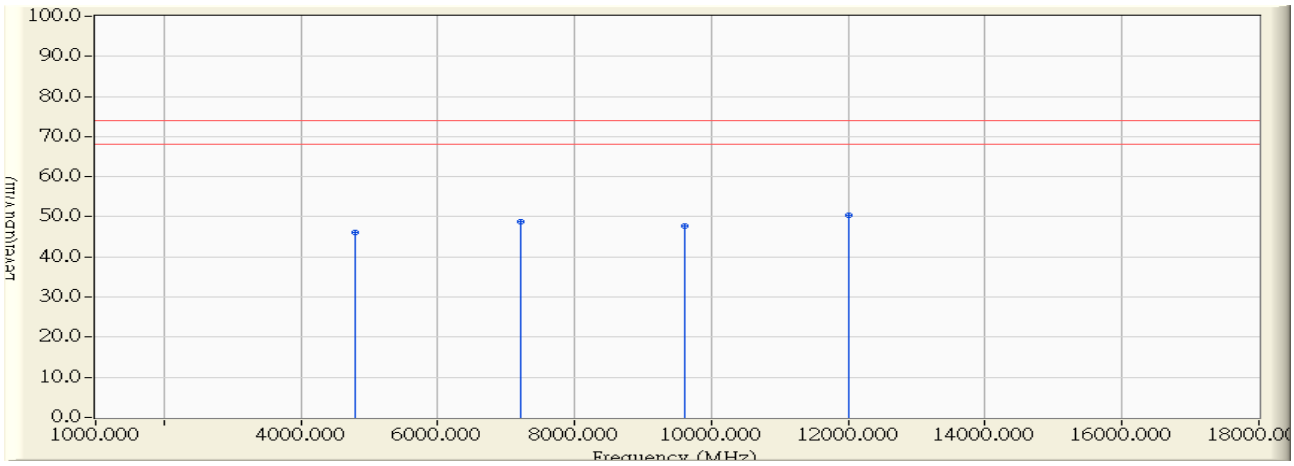


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7205.000	5.865	39.110	44.975	-9.025	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/11/29 - 17:18**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 2: Transmit Mode_2DH5_2402MHz**

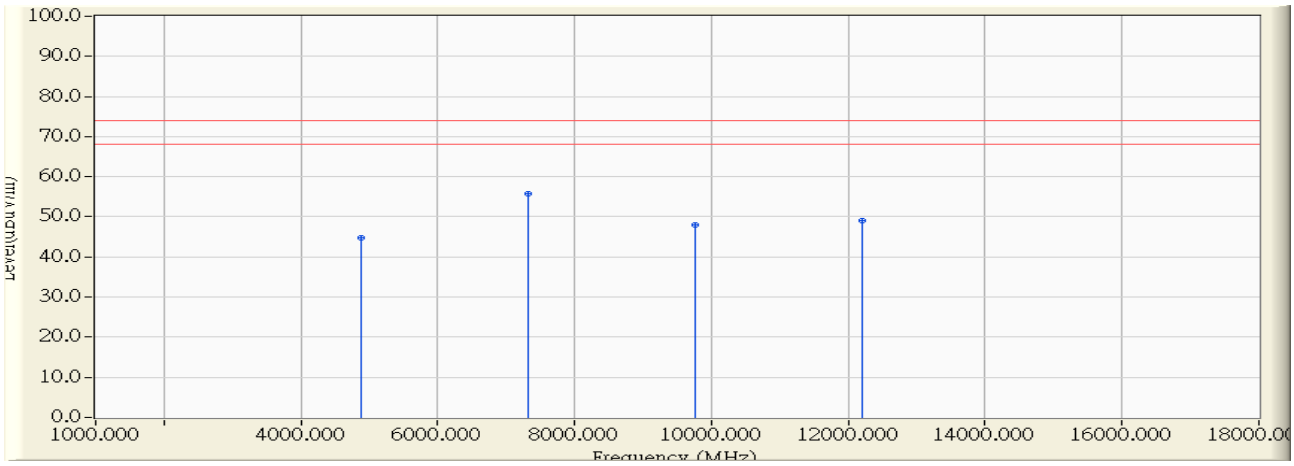


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4803.000	-1.666	47.750	46.084	-27.916	74.000	PEAK
2		7206.000	5.366	43.360	48.727	-25.273	74.000	PEAK
3		9610.000	7.012	40.590	47.602	-26.398	74.000	PEAK
4	*	12008.000	9.924	40.470	50.394	-23.606	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/11/29 - 17:55**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 2: Transmit Mode_2DH5_2441MHz**

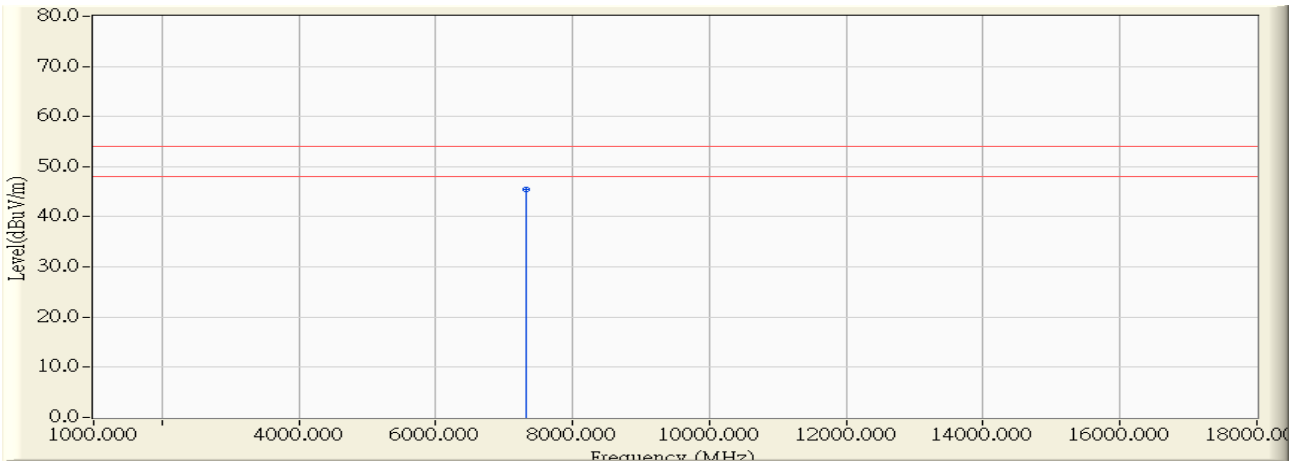


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4882.000	-2.404	47.110	44.706	-29.294	74.000	PEAK
2	*	7322.000	6.095	49.550	55.645	-18.355	74.000	PEAK
3		9768.000	8.309	39.740	48.049	-25.951	74.000	PEAK
4		12203.000	10.167	38.990	49.157	-24.843	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/11/29 - 17:56**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 2: Transmit Mode_2DH5_2441MHz**

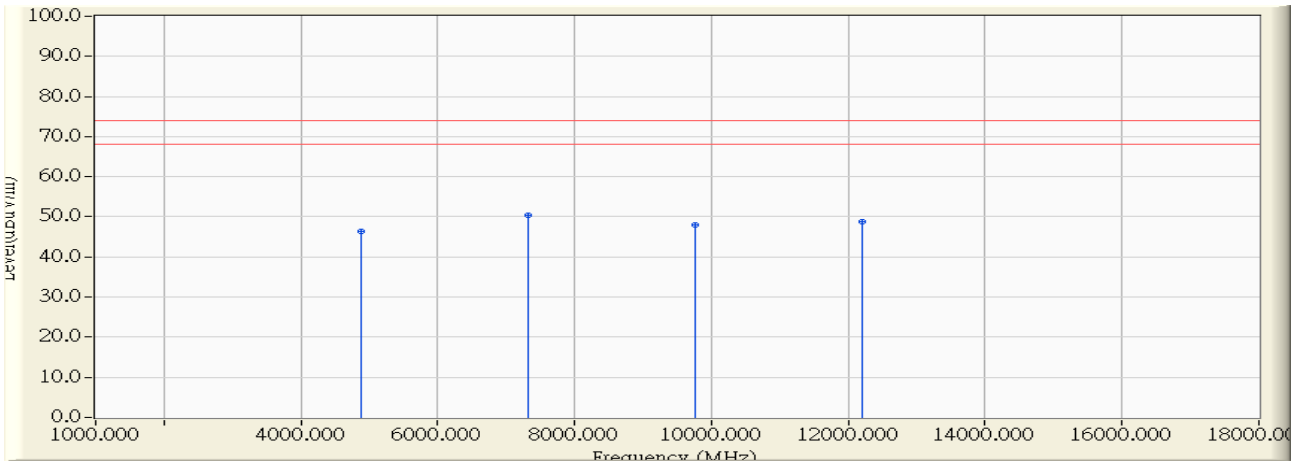


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7322.000	6.095	39.410	45.505	-8.495	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/11/29 - 18:11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 2: Transmit Mode_2DH5_2441MHz**

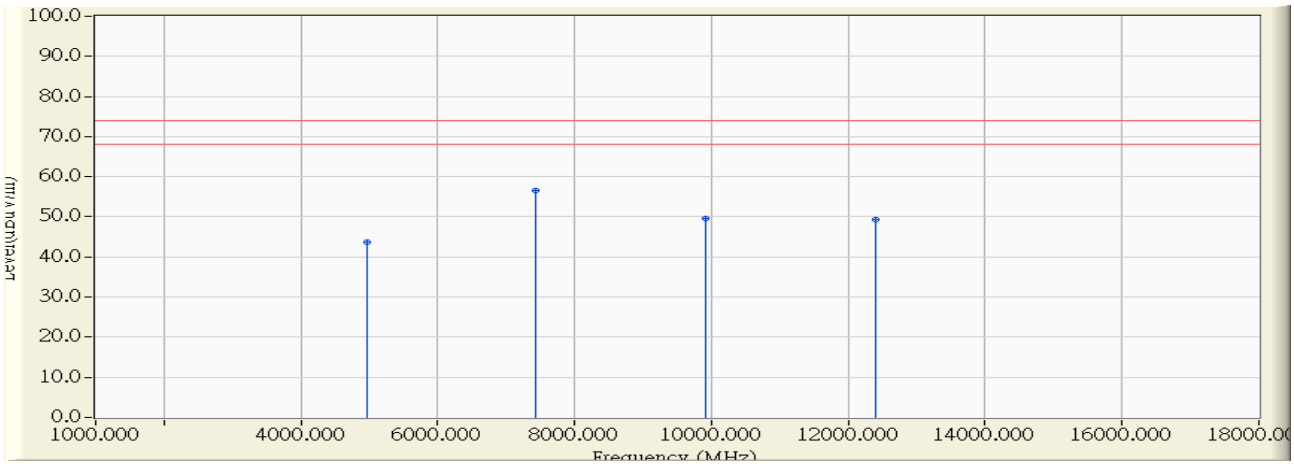


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4881.000	-1.652	47.910	46.258	-27.742	74.000	PEAK
2	*	7322.000	5.595	44.820	50.415	-23.585	74.000	PEAK
3		9765.000	7.620	40.350	47.969	-26.031	74.000	PEAK
4		12202.000	9.887	38.880	48.767	-25.233	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/11/29 - 18:32**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 2: Transmit Mode_2DH5_2480MHz**

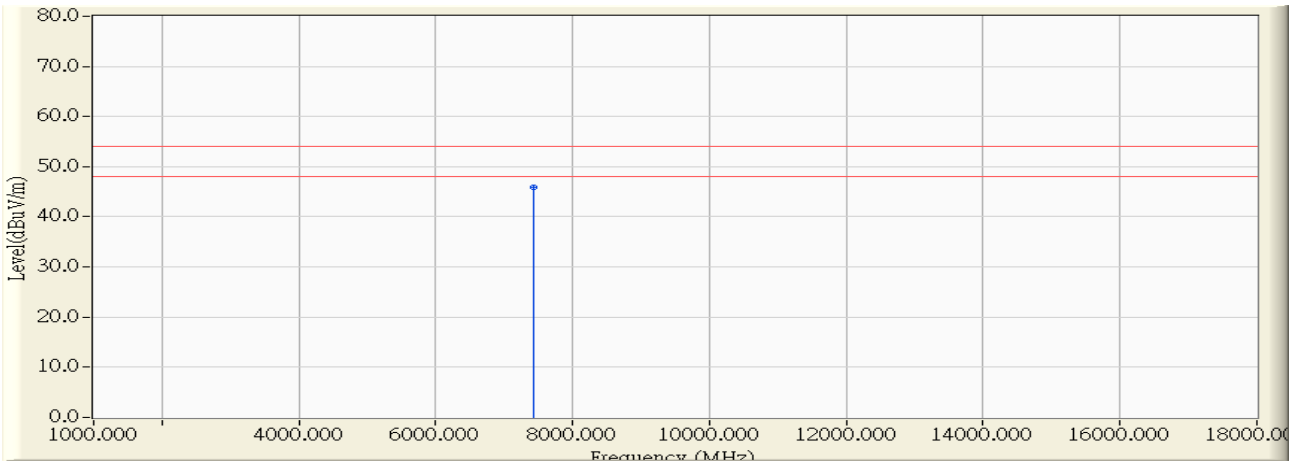


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4959.000	-2.197	45.850	43.653	-30.347	74.000	PEAK
2	*	7439.000	6.326	50.360	56.685	-17.315	74.000	PEAK
3		9921.000	9.137	40.450	49.587	-24.413	74.000	PEAK
4		9924.000	9.153	40.450	49.603	-24.397	74.000	PEAK
5		12399.000	9.934	39.470	49.403	-24.597	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/11/29 - 18:37**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 2: Transmit Mode_2DH5_2480MHz**

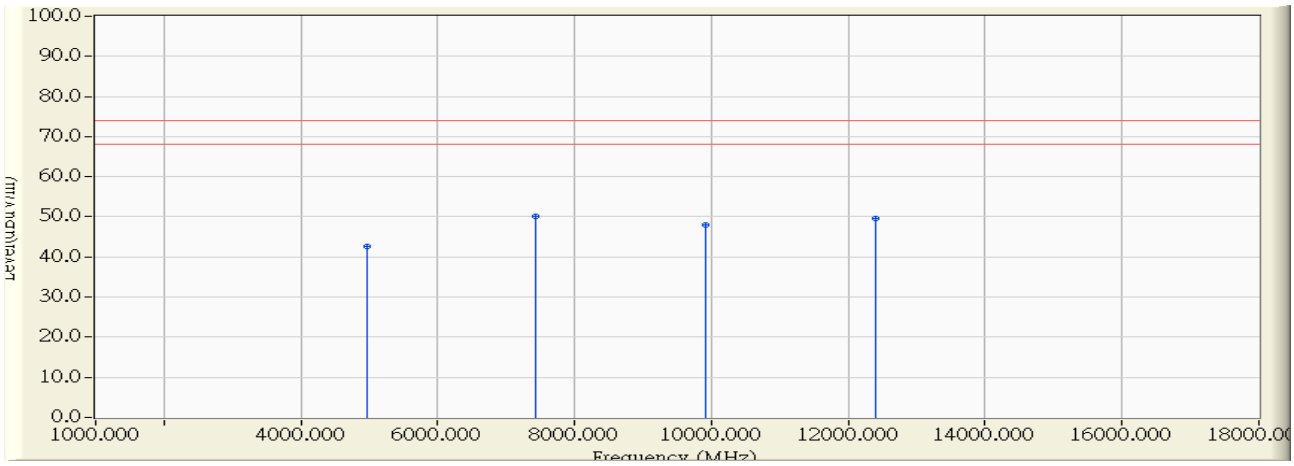


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7439.000	6.326	39.630	45.955	-8.045	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/11/29 - 18:50**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 2: Transmit Mode_2DH5_2480MHz**

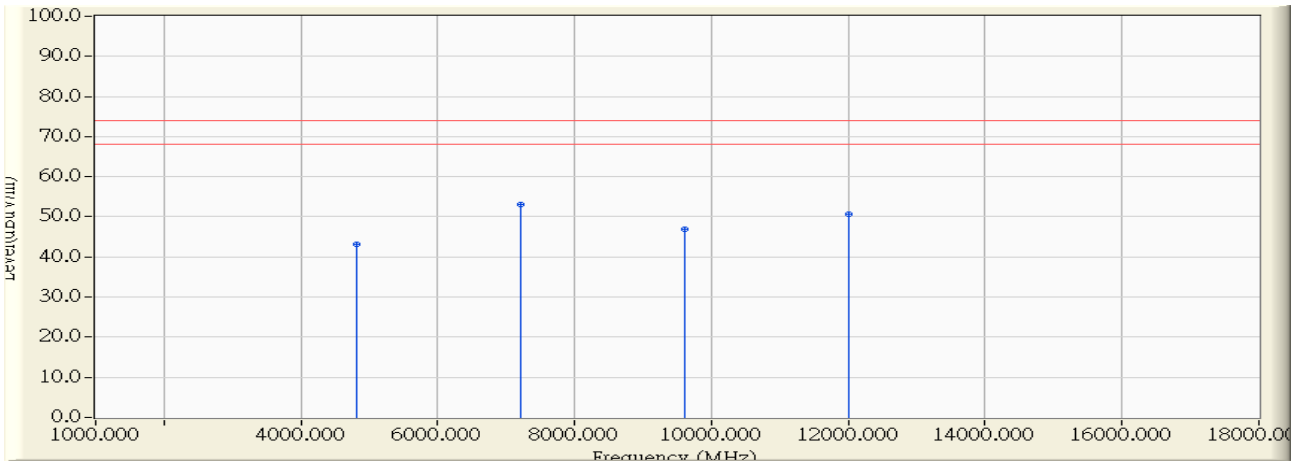


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4959.000	-2.197	44.880	42.683	-11.317	54.000	PEAK
2	*	7440.000	6.328	43.880	50.207	-3.793	54.000	PEAK
3		9920.000	8.226	39.680	47.906	-26.094	74.000	PEAK
4		12396.000	9.849	39.690	49.540	-24.460	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/11/29 - 19:14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 3: Transmit Mode_3DH5_2402MHz**

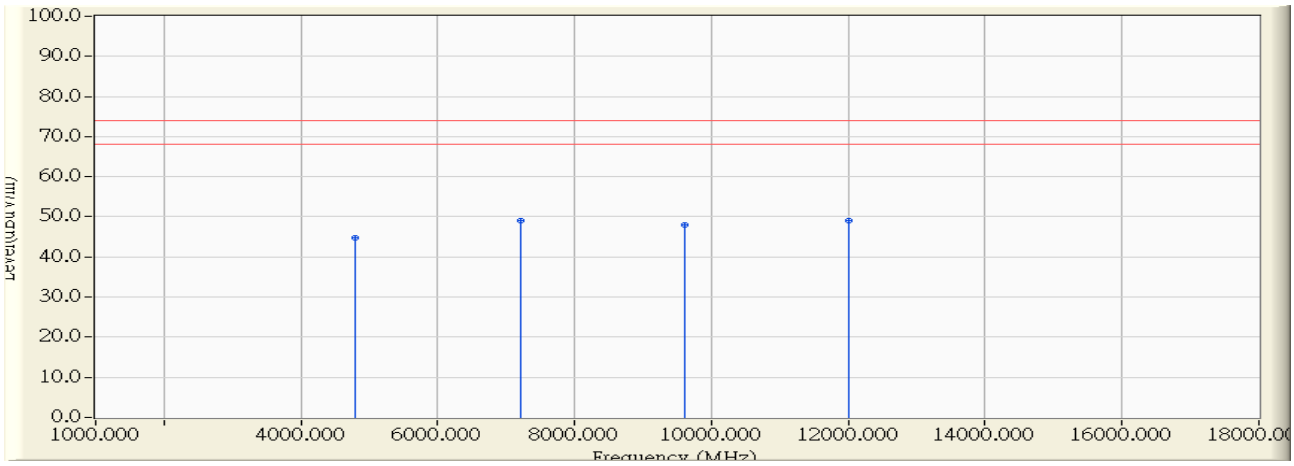


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4804.000	-2.613	45.770	43.157	-30.843	74.000	PEAK
2	*	7205.000	5.865	47.150	53.015	-20.985	74.000	PEAK
3		9606.000	7.431	39.420	46.851	-27.149	74.000	PEAK
4		12007.000	10.400	40.330	50.730	-23.270	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/11/29 - 19:28**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 3: Transmit Mode_3DH5_2402MHz**

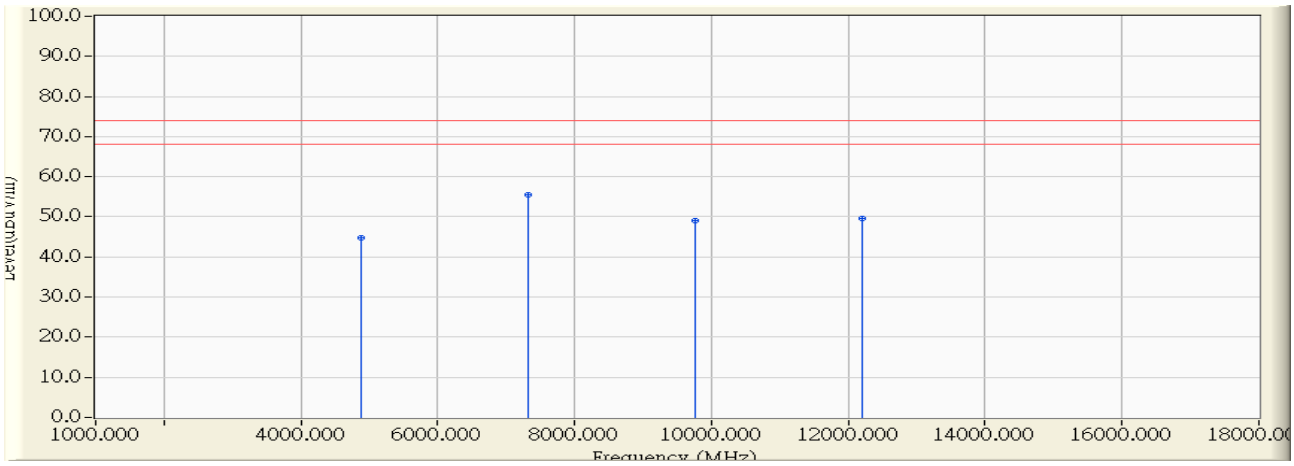


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4803.000	-1.666	46.440	44.774	-29.226	74.000	PEAK
2	*	7205.000	5.365	43.830	49.195	-24.805	74.000	PEAK
3		9606.000	6.996	40.880	47.877	-26.123	74.000	PEAK
4		12008.000	9.924	39.150	49.074	-24.926	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/11/29 - 19:37**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 3: Transmit Mode_3DH5_2441MHz**

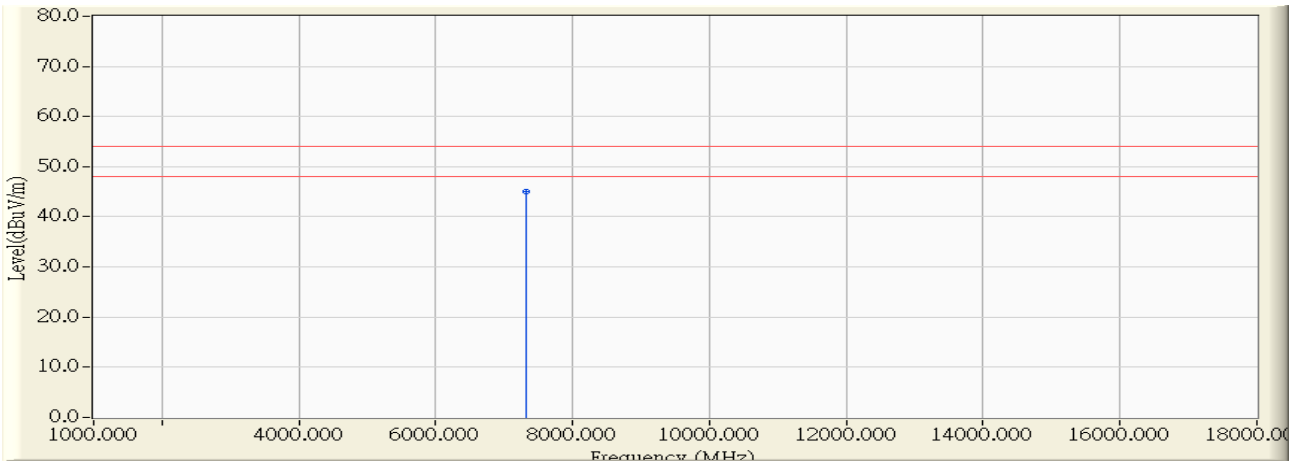


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4881.000	-2.407	47.280	44.873	-29.127	74.000	PEAK
2	*	7322.000	6.095	49.300	55.395	-18.605	74.000	PEAK
3		9764.000	8.287	40.870	49.157	-24.843	74.000	AVERAGE
4		12208.000	10.161	39.440	49.601	-24.399	74.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/11/29 - 19:38**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 3: Transmit Mode_3DH5_2441MHz**

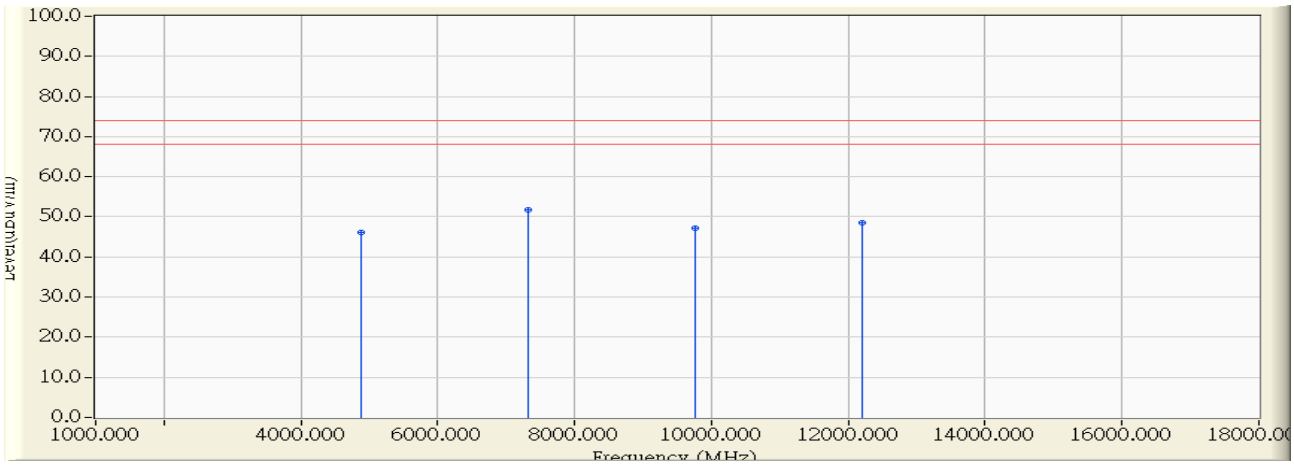


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7322.000	6.095	38.990	45.085	-8.915	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/11/29 - 20:08**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 3: Transmit Mode_3DH5_2441MHz**

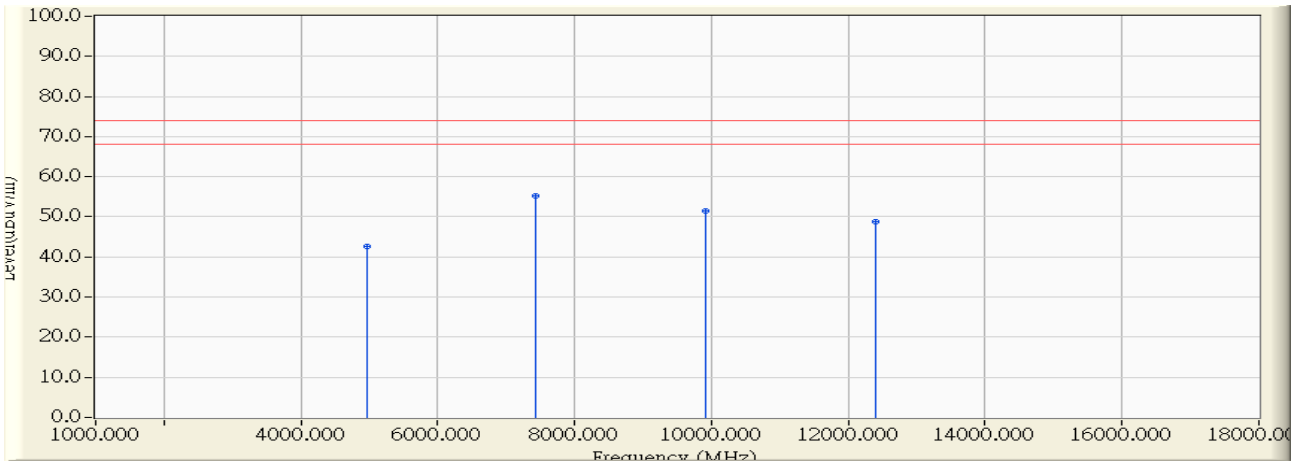


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4882.000	-1.651	47.880	46.229	-27.771	74.000	PEAK
2	*	7322.000	5.595	46.070	51.665	-22.335	74.000	PEAK
3		9768.000	7.631	39.670	47.301	-26.699	74.000	PEAK
4		12201.000	9.887	38.680	48.567	-25.433	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/11/29 - 20:21**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 3: Transmit Mode_3DH5_2480MHz**

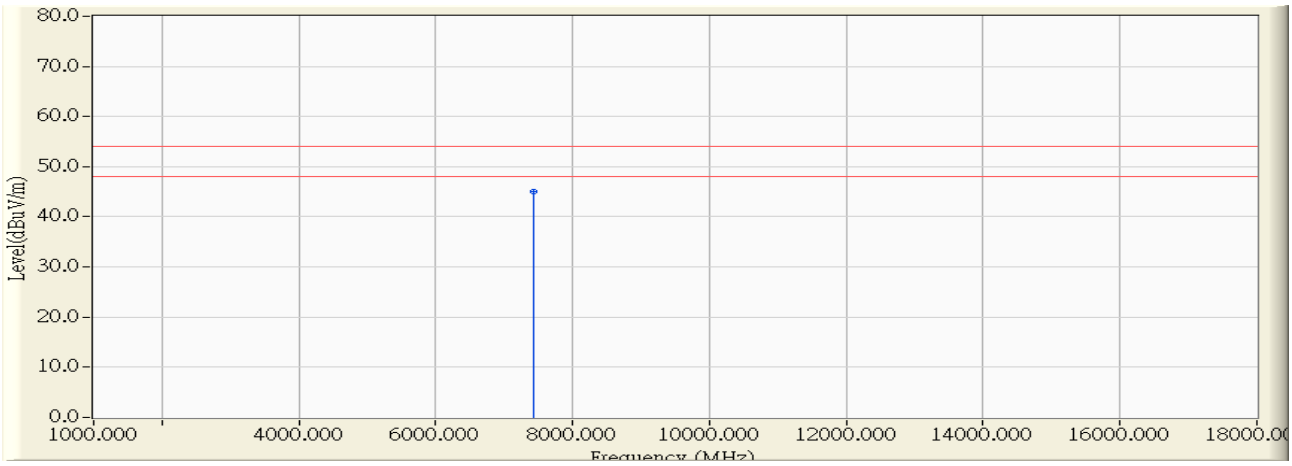


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4959.000	-2.197	44.880	42.683	-31.317	74.000	PEAK
2	*	7439.000	6.326	48.830	55.155	-18.845	74.000	PEAK
3		9921.000	9.137	42.370	51.507	-22.493	74.000	PEAK
4		12401.000	9.931	38.860	48.791	-25.209	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/11/29 - 20:21**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 3: Transmit Mode_3DH5_2480MHz**

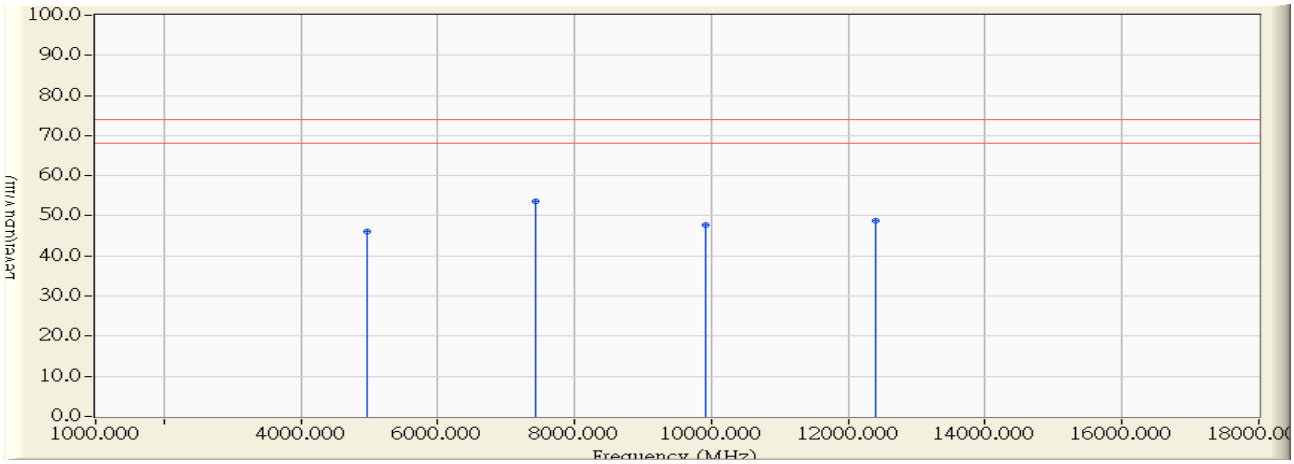


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7439.000	6.326	38.760	45.085	-8.915	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/11/29 - 20:38**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 3: Transmit Mode_3DH5_2480MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4959.000	-1.637	47.880	46.243	-27.757	74.000	PEAK
2	*	7439.000	5.826	47.660	53.485	-20.515	74.000	PEAK
3		9922.000	8.234	39.500	47.734	-26.266	74.000	PEAK
4		12404.000	9.848	39.050	48.898	-25.102	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

5. RF antenna conducted test

5.1. Test Equipment

The following test equipment is used during the test:

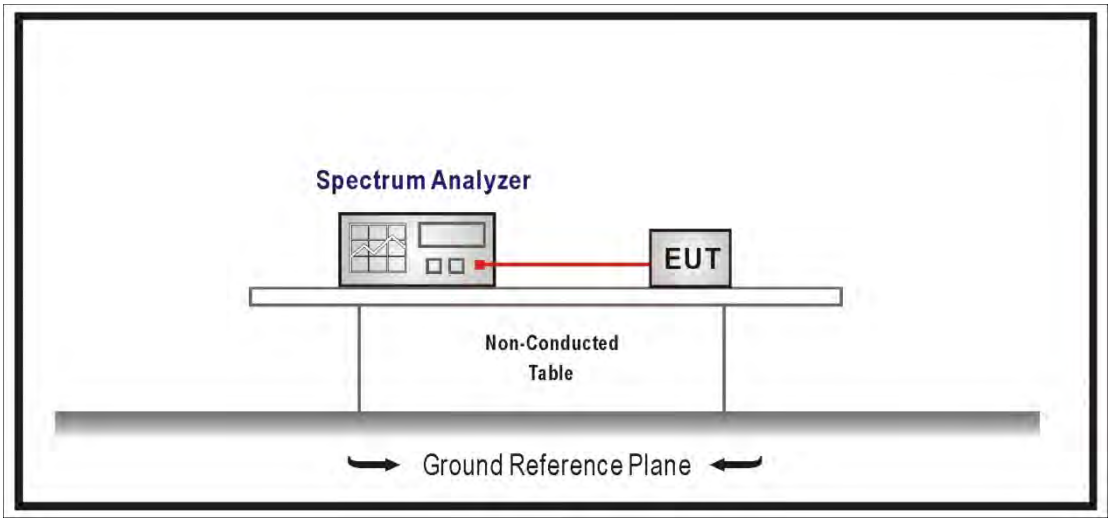
RF antenna conducted test / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A	US47140172	2017/08/08
Signal & Spectrum Analyzer	R&S	FSV40	101049	2017/01/05
Signal Analyzer	R&S	FSV7	101650	2017/11/15

Note: All equipments that need to calibrate are with calibration period of 1 year.

5.2. Test Setup

RF Conducted Measurement:



5.3. Limits

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum 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 an RF conducted or radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

5.4. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of FCC KDB 558074 D01 for compliance to FCC 47CFR 15.247 requirements Set RBW = 100 kHz, Set VBW> RBW, scan up through 10th harmonic.

5.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2015

5.6. Uncertainty

Conducted is defined as ± 1.27dB

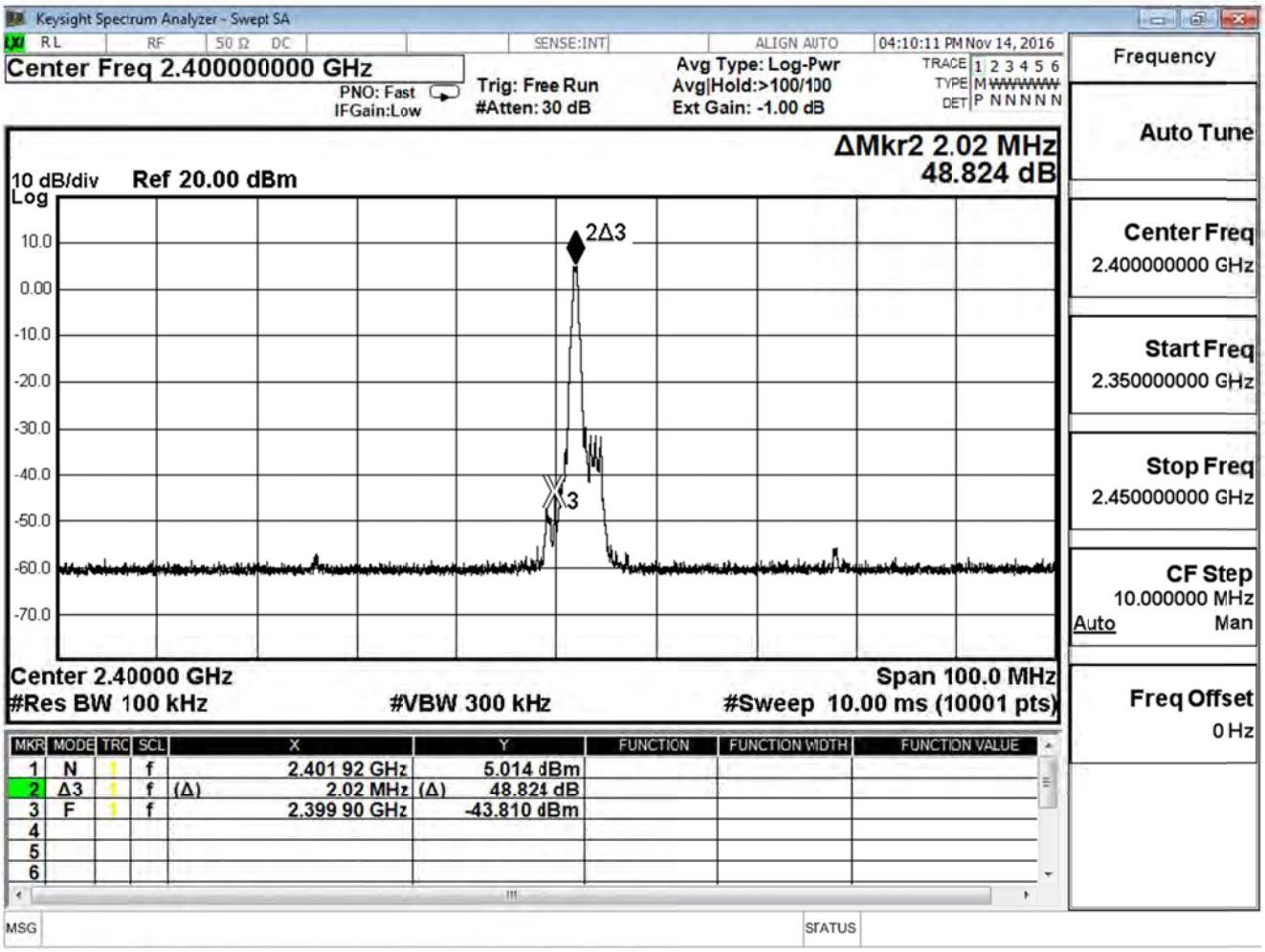
5.7. Test Result

Product	Headphone		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit Mode_DH5		
Date of Test	2016/11/14	Test Site	SR7

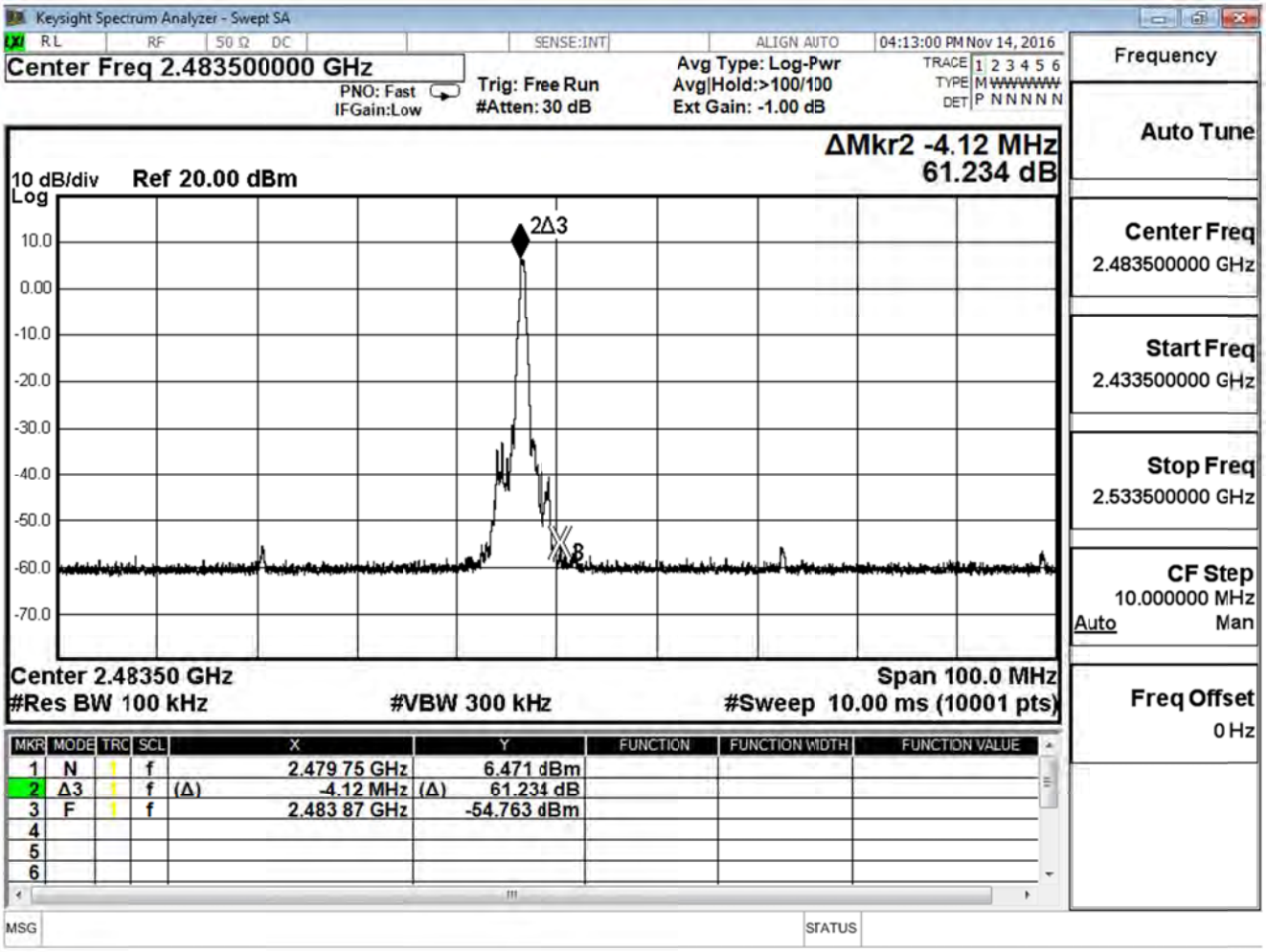
GFSK

Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
00	2402	48.824	≧20	Pass
78	2480	61.234	≧20	Pass

Channel 00



Channel 78

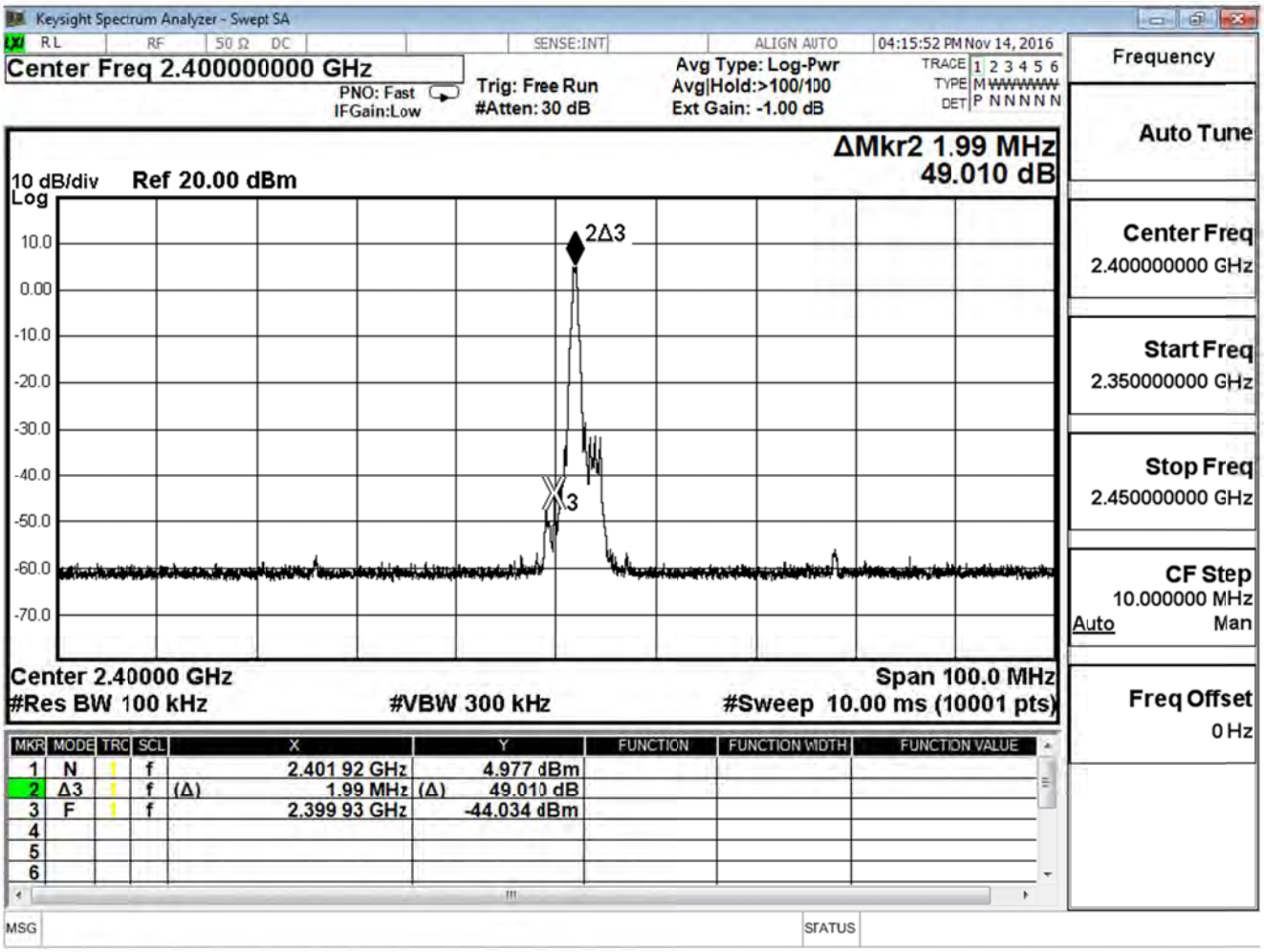

Keysight Spectrum Analyzer - Swept SA
RL
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
04:13:00 PM Nov 14, 2016
Center Freq 2.483500000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE M WWWWW
DET P N N N N N
ΔMkr2 -4.12 MHz
61.234 dB
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
2Δ3
Center 2.48350 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
#Sweep 10.00 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.479 75 GHz 6.471 dBm
2 Δ3 1 f (Δ) -4.12 MHz (Δ) 61.234 dB
3 F 1 f 2.483 87 GHz -54.763 dBm
4
5
6
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.483500000 GHz
Start Freq
2.433500000 GHz
Stop Freq
2.533500000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz

Product	Headphone		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit Mode_DH5		
Date of Test	2016/11/14	Test Site	SR7

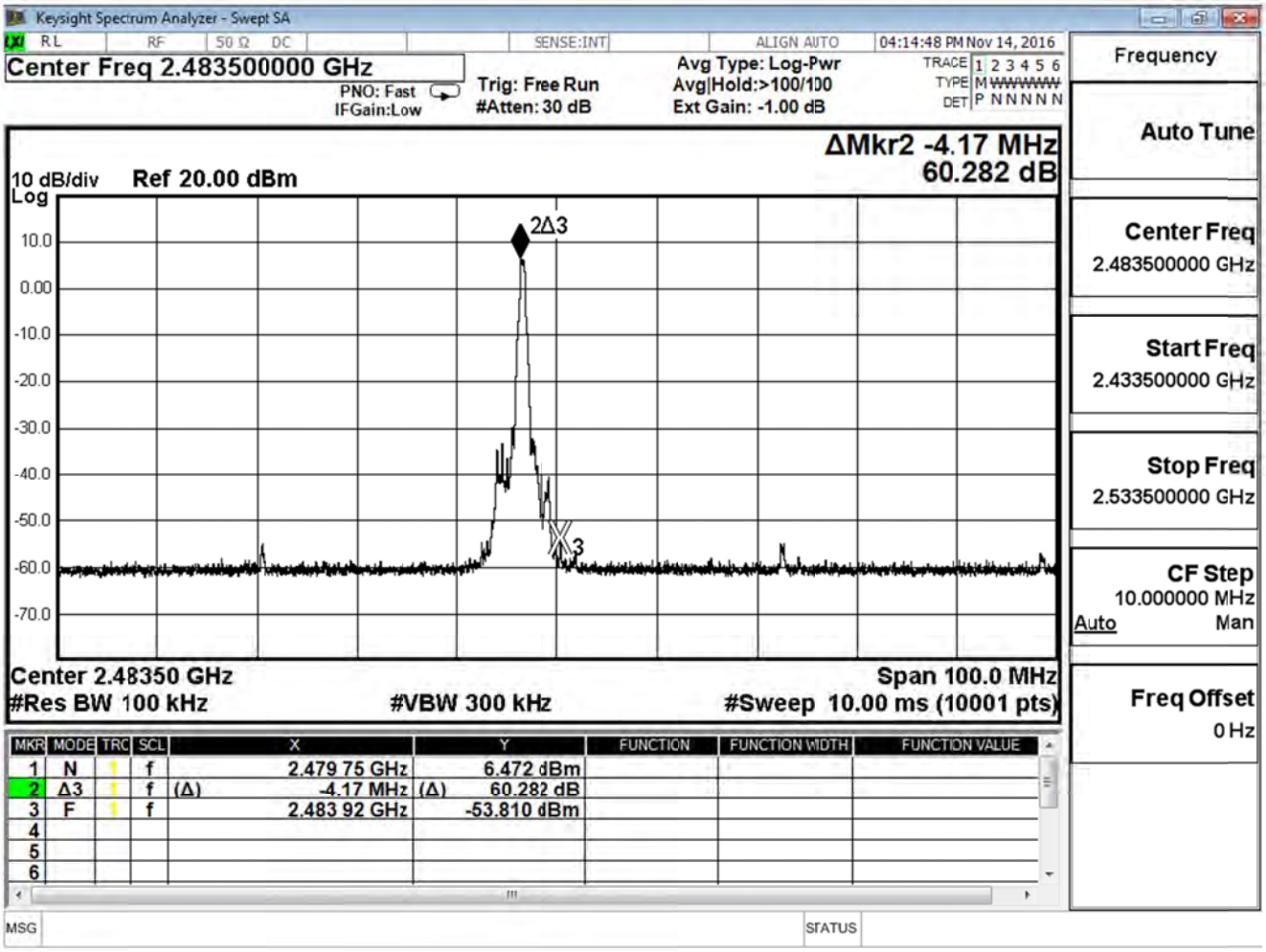
π/4-DQPSK

Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
00	2402	49.010	≧20	Pass
78	2480	60.282	≧20	Pass

Channel 00



Channel 78

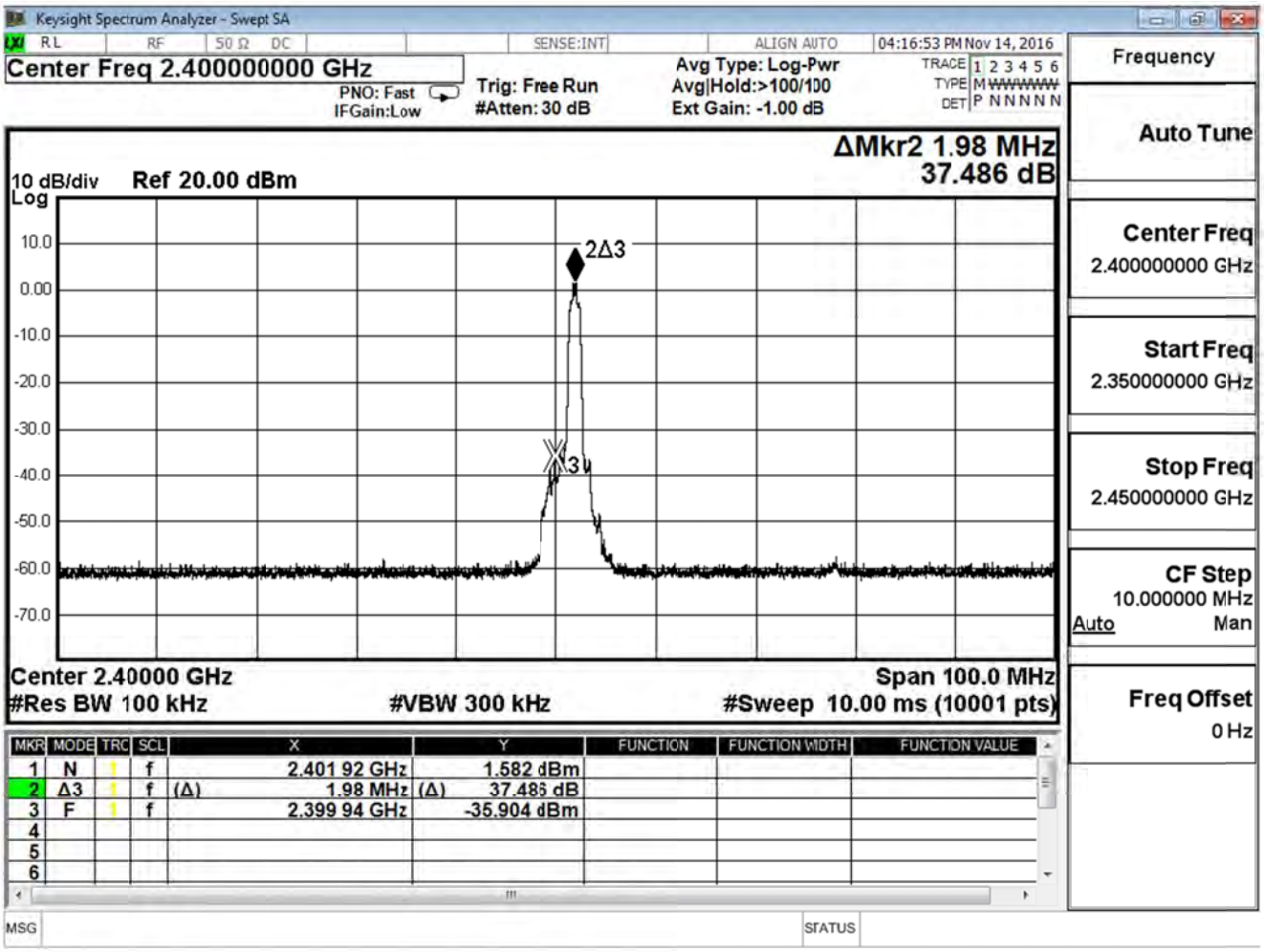

Keysight Spectrum Analyzer - Swept SA
RL
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
04:14:48 PM Nov 14, 2016
Center Freq 2.483500000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE M WWWWW
DET P N N N N N
ΔMkr2 -4.17 MHz
60.282 dB
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
2Δ3
3
Center 2.48350 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
#Sweep 10.00 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.479 75 GHz 6.472 dBm
2 Δ3 1 f (Δ) -4.17 MHz (Δ) 60.282 dB
3 F 1 f 2.483 92 GHz -53.810 dBm
4
5
6
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.483500000 GHz
Start Freq
2.433500000 GHz
Stop Freq
2.533500000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz

Product	Headphone		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit Mode_DH5		
Date of Test	2016/11/14	Test Site	SR7

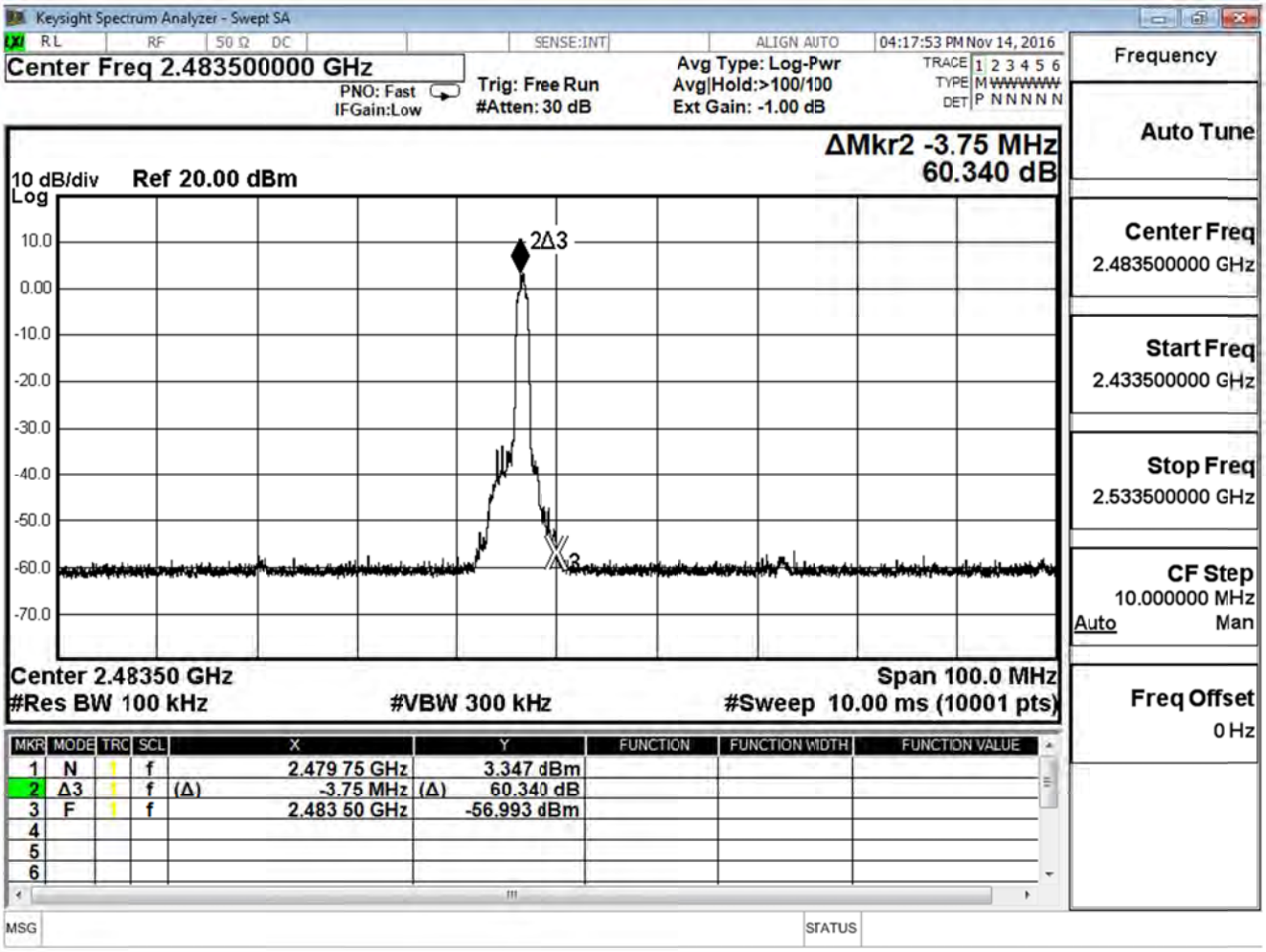
8-DPSK

Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
00	2402	37.486	≧20	Pass
78	2480	60.340	≧20	Pass

Channel 00

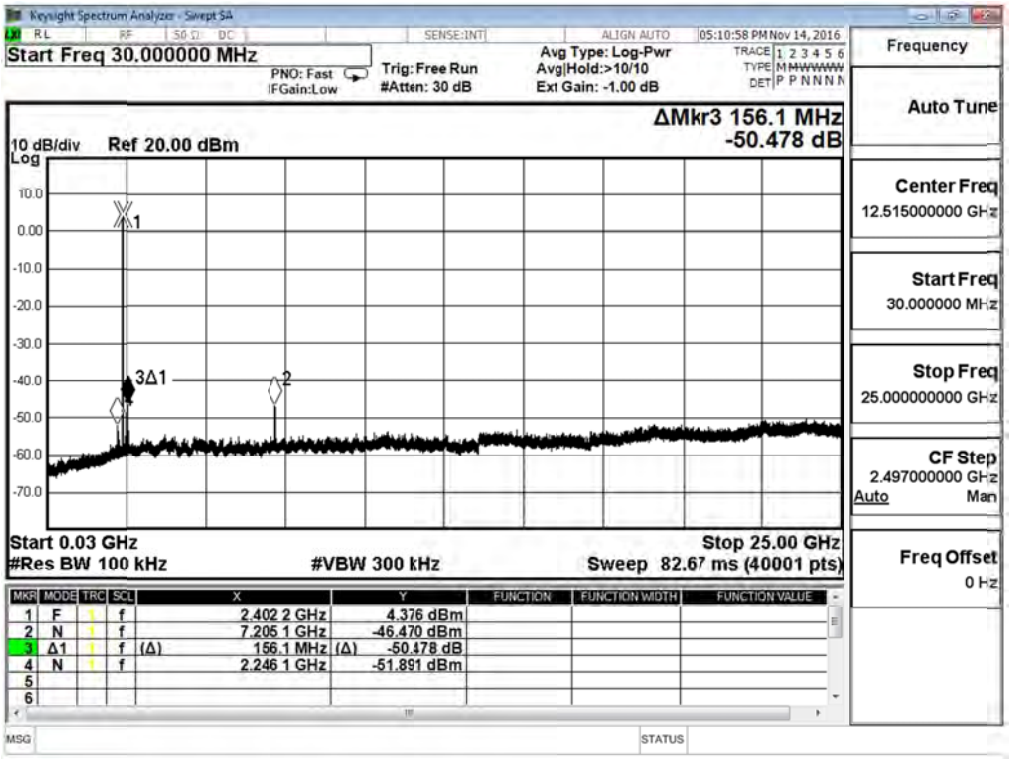


Channel 78

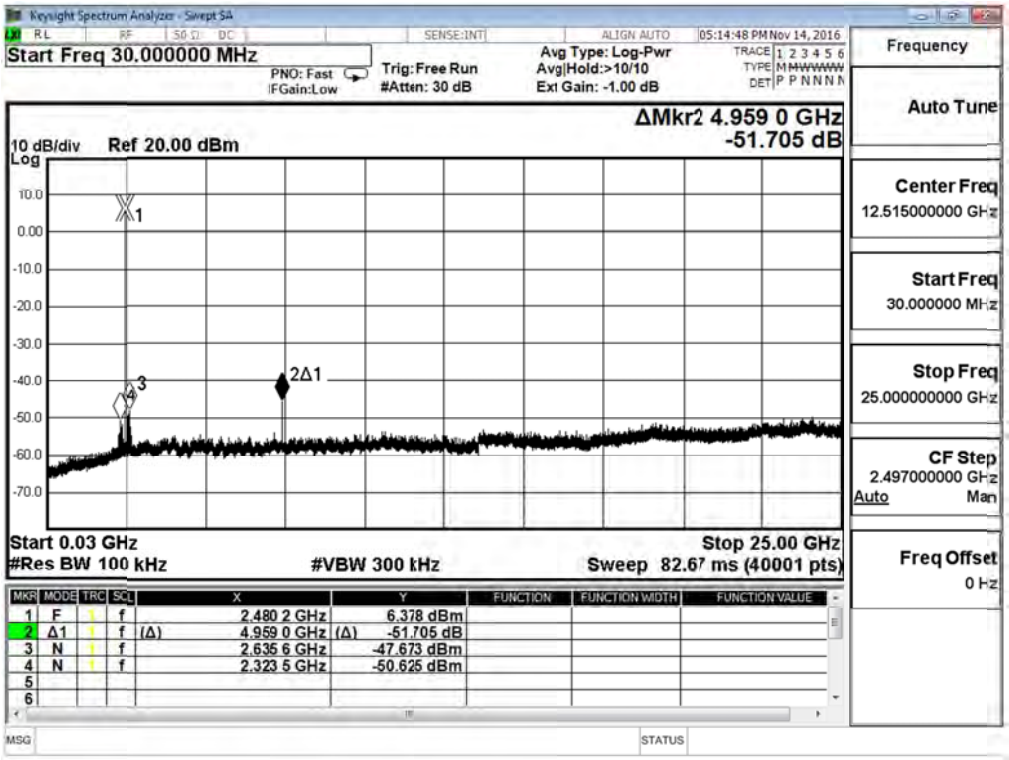

Keysight Spectrum Analyzer - Swept SA
RL
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
04:17:53 PM Nov 14, 2016
Center Freq 2.483500000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE M WWWWW
DET P N N N N N
ΔMkr2 -3.75 MHz
60.340 dB
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
2Δ3
Center 2.48350 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
#Sweep 10.00 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.479 75 GHz 3.347 dBm
2 Δ3 1 f (Δ) -3.75 MHz (Δ) 60.340 dB
3 F 1 f 2.483 50 GHz -56.993 dBm
4
5
6
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.483500000 GHz
Start Freq
2.433500000 GHz
Stop Freq
2.533500000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz

Product	Headphone		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit Mode_DH5		
Date of Test	2016/11/14	Test Site	SR7

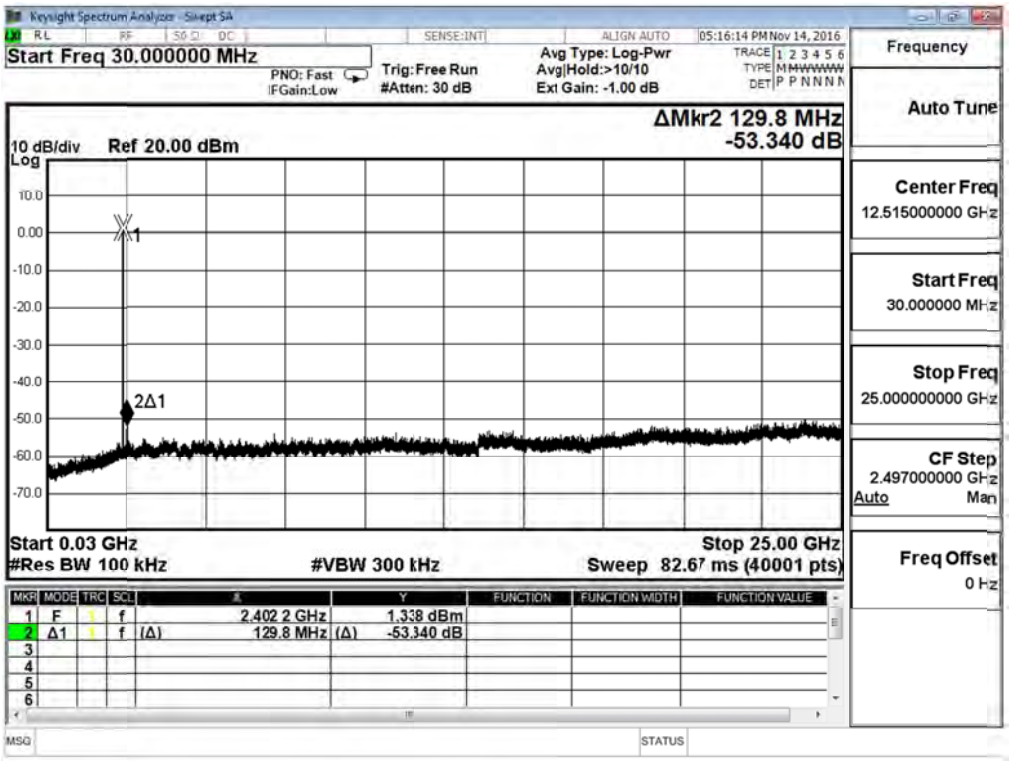
Channel 00 (30MHz-25GHz)- GFSK



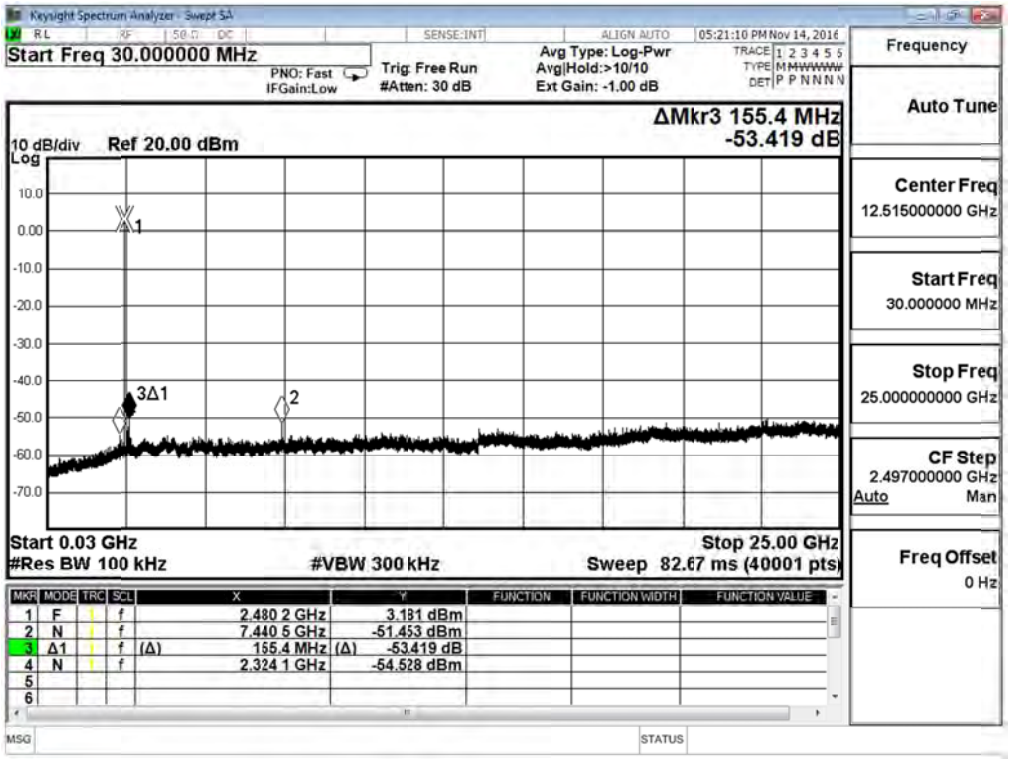
Channel 78 (30MHz-25GHz)- GFSK



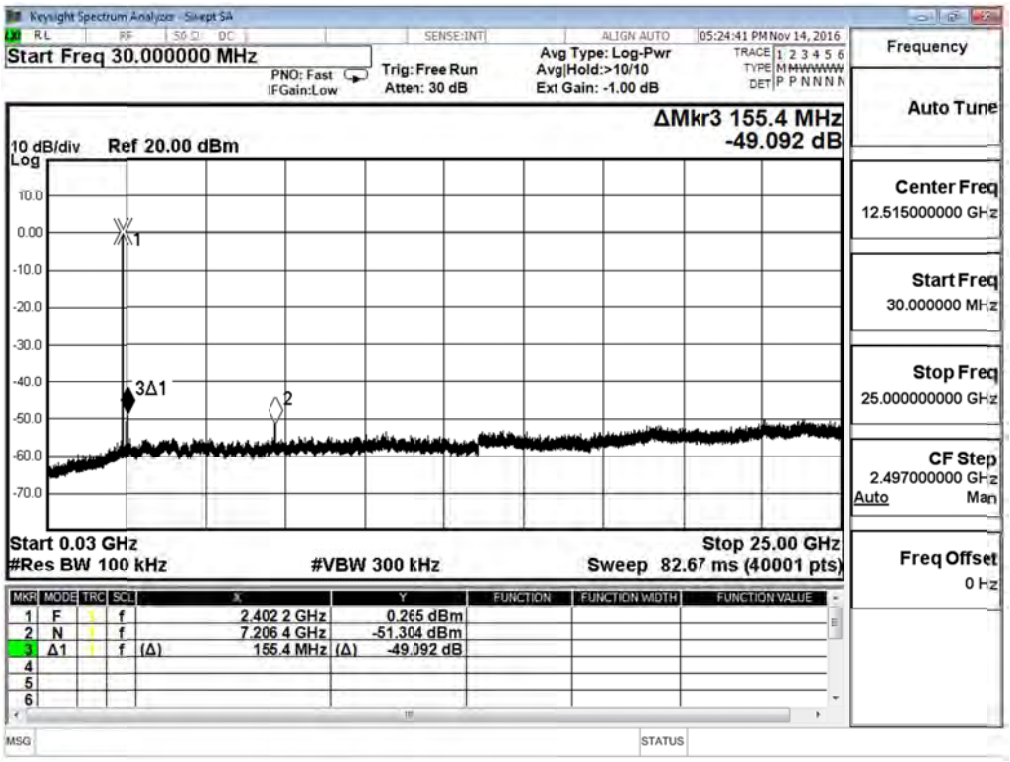
Channel 00 (30MHz-25GHz)- π/4-DQPSK



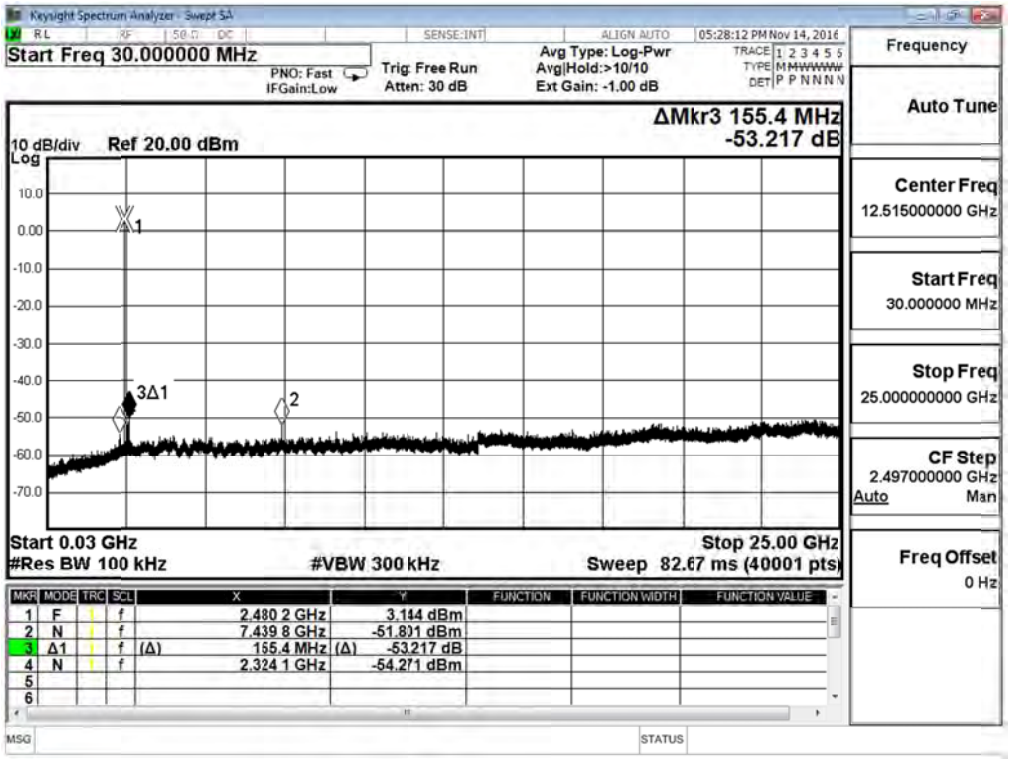
Channel 78 (30MHz-25GHz)- π/4-DQPSK



Channel 00 (30MHz-25GHz)- 8-DPSK



Channel 78 (30MHz-25GHz)- 8-DPSK



6. Band Edge

6.1. Test Equipment

The following test equipments are used during the test:

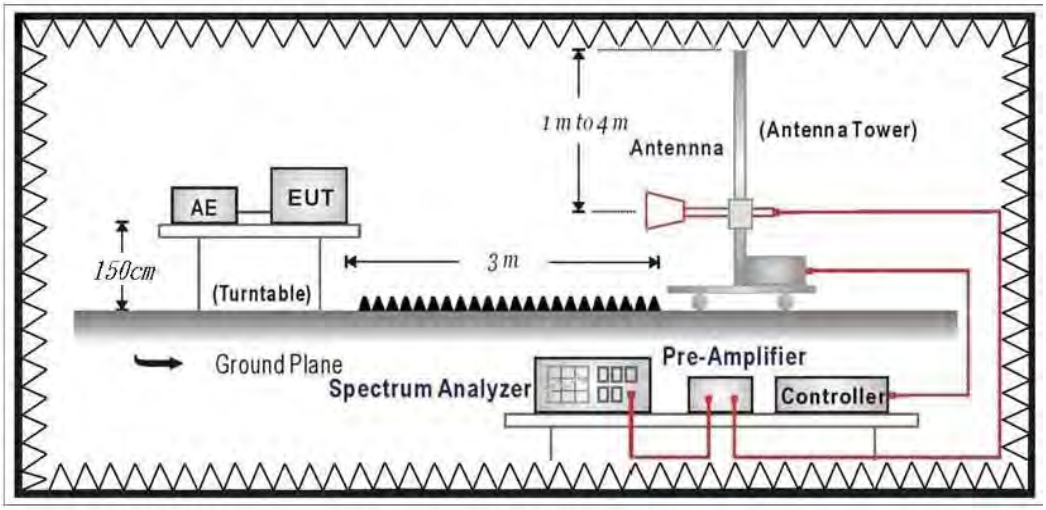
Band Edge / CB1

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Double Ridged Guide Horn Antenna	Schwarzbeck	BBHA 9120	D743	2017/01/14
Spectrum Analyzer	Agilent	E4440A	MY46187335	2016/12/24
k Type Cable	Huber+Suhner	SF 102	25623/2	2017/01/11

Note: All equipments that need to calibrate are with calibration period of 1 year.

6.2. Test Setup

RF Radiated Measurement:



6.3. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

6.4. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of FCC KDB 558074 D01 for compliance to FCC 47CFR 15.247 requirements

The EUT and its simulators are placed on a turn table which is 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna can move 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 measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10: 2013 on radiated measurement.

6.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2015

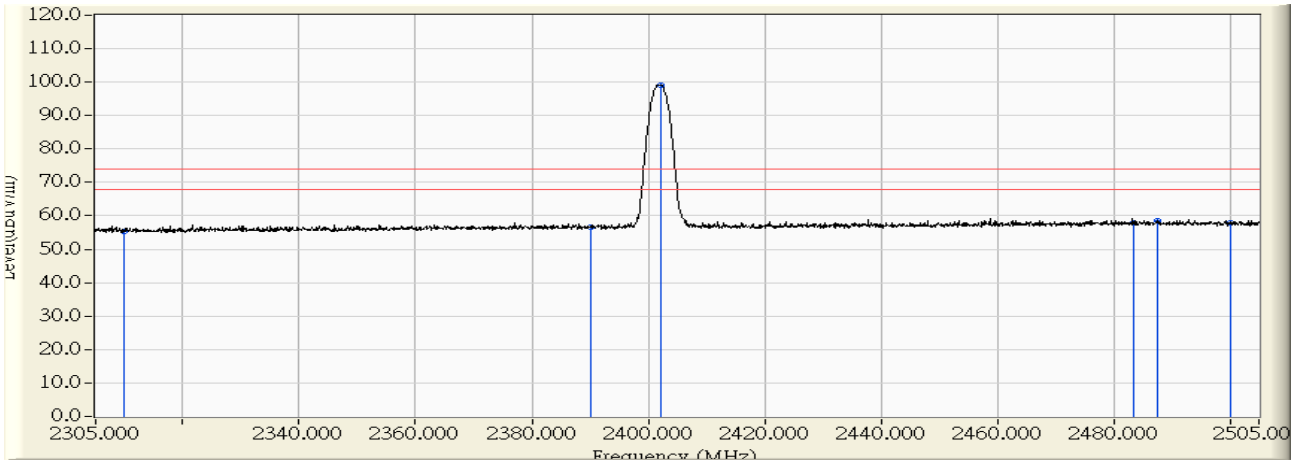
6.6. Uncertainty

The measurement uncertainty

± 3.9 dB above 1GHz

6.7. Test Result

Site : CB1	**Time : 2016/11/29 - 10:52**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 1: Transmit Mode_DH5_2402MHz**

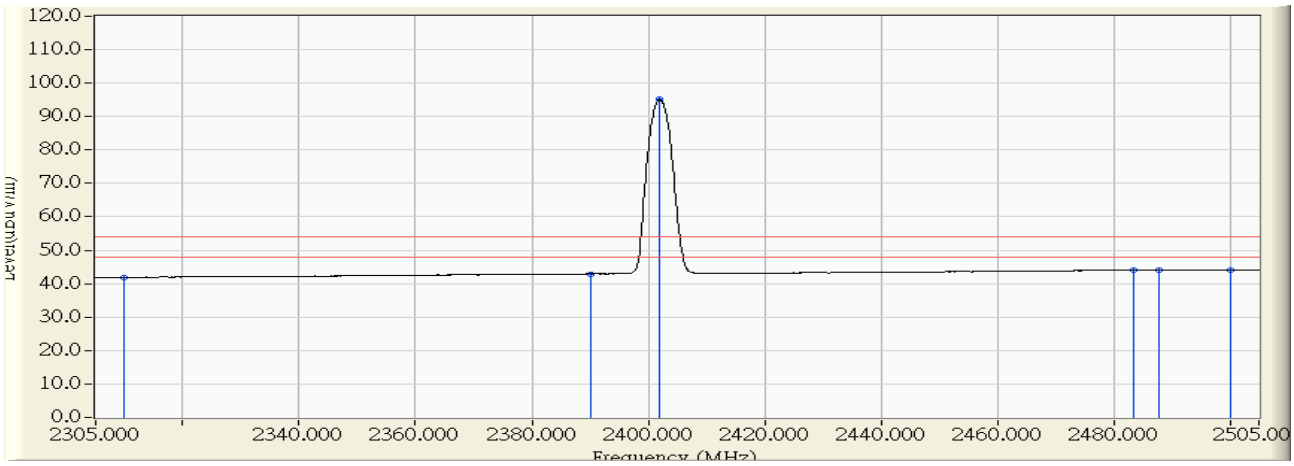


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	27.298	55.428	-18.572	74.000	PEAK
2		2390.000	28.933	27.572	56.505	-17.495	74.000	PEAK
3	*	2402.100	29.054	70.182	99.237	25.237	74.000	PEAK
4		2483.500	29.829	28.017	57.846	-16.154	74.000	PEAK
5		2487.500	29.831	28.811	58.642	-15.358	74.000	PEAK
6		2500.000	29.826	27.957	57.782	-16.218	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : CB1	**Time : 2016/11/29 - 10:52**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 1: Transmit Mode_DH5_2402MHz**

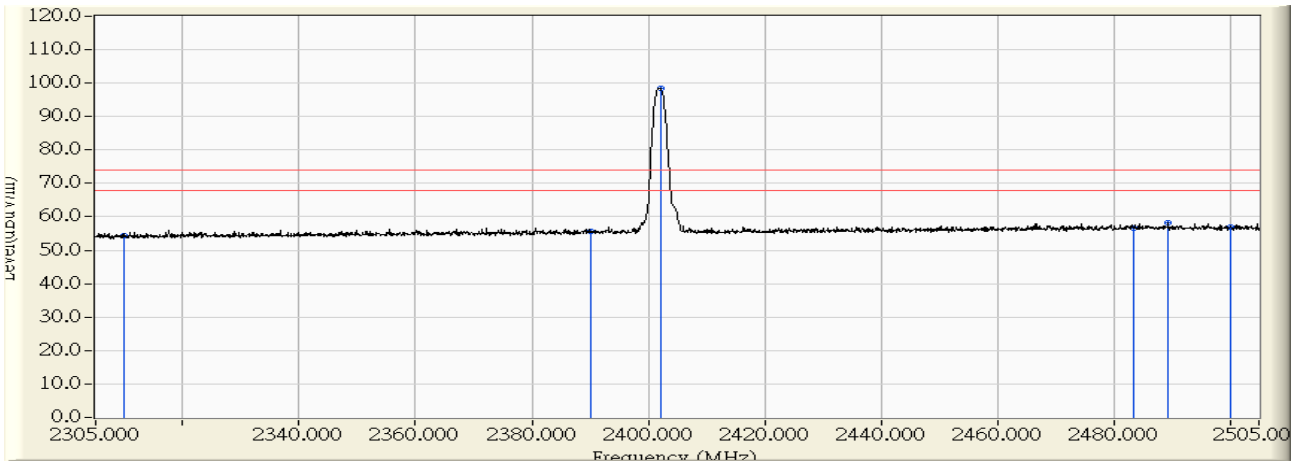


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	13.770	41.900	-12.100	54.000	AVERAGE
2		2390.000	28.933	14.009	42.942	-11.058	54.000	AVERAGE
3	*	2402.000	29.053	66.015	95.069	41.069	54.000	AVERAGE
4		2483.500	29.829	14.181	44.010	-9.990	54.000	AVERAGE
5		2487.700	29.831	14.193	44.024	-9.976	54.000	AVERAGE
6		2500.000	29.826	14.189	44.014	-9.986	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : CB1	**Time : 2016/11/29 - 11:03**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 1: Transmit Mode_DH5_2402MHz**

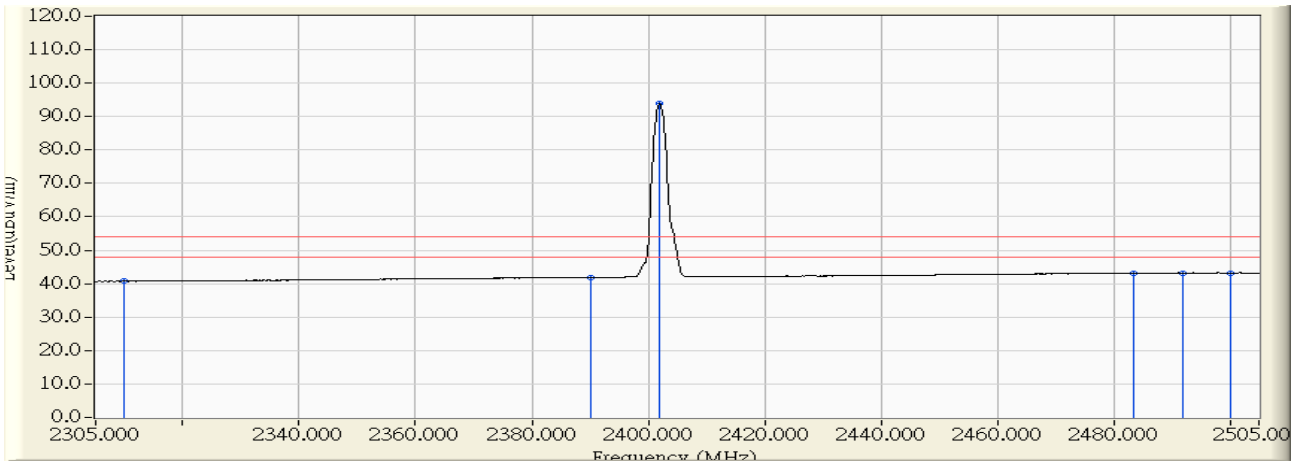


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	25.455	54.239	-19.761	74.000	PEAK
2		2390.000	29.747	25.975	55.722	-18.278	74.000	PEAK
3	*	2402.100	29.892	68.475	98.368	24.368	74.000	PEAK
4		2483.500	30.830	25.781	56.611	-17.389	74.000	PEAK
5		2489.400	30.845	27.456	58.301	-15.699	74.000	PEAK
6		2500.000	30.860	25.980	56.839	-17.161	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : CB1	**Time : 2016/11/29 - 11:06**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 1: Transmit Mode_DH5_2402MHz**

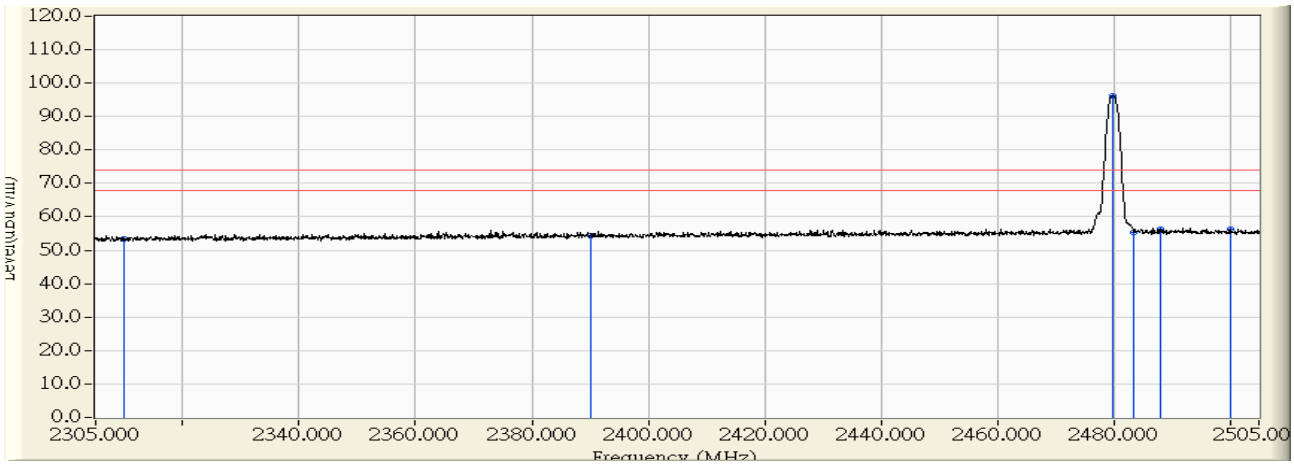


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	12.002	40.786	-13.214	54.000	AVERAGE
2		2390.000	29.747	12.162	41.909	-12.091	54.000	AVERAGE
3	*	2402.000	29.891	63.960	93.852	39.852	54.000	AVERAGE
4		2483.500	30.830	12.329	43.159	-10.841	54.000	AVERAGE
5		2491.800	30.851	12.401	43.252	-10.748	54.000	AVERAGE
6		2500.000	30.860	12.351	43.210	-10.790	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : CB1	**Time : 2016/11/29 - 11:24**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 1: Transmit Mode_DH5_2480MHz**

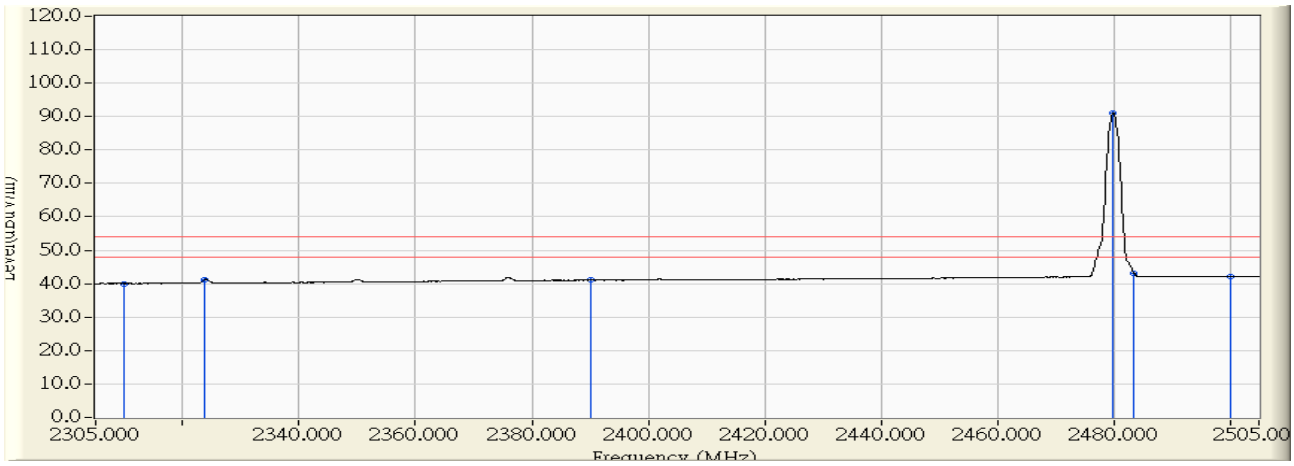


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	25.171	53.301	-20.699	74.000	PEAK
2		2390.000	28.933	25.542	54.475	-19.525	74.000	PEAK
3	*	2479.800	29.827	66.443	96.270	22.270	74.000	PEAK
4		2483.500	29.829	25.649	55.478	-18.522	74.000	PEAK
5		2488.100	29.832	26.463	56.294	-17.706	74.000	PEAK
6		2500.000	29.826	26.609	56.434	-17.566	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : CB1	**Time : 2016/11/29 - 11:25**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 1: Transmit Mode_DH5_2480MHz**

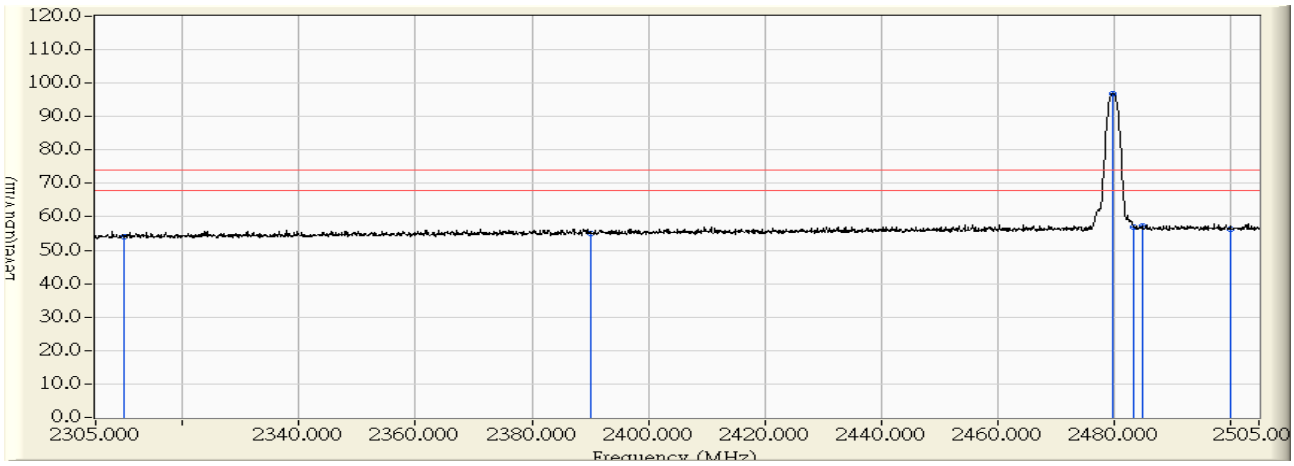


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	11.903	40.033	-13.967	54.000	AVERAGE
2		2323.800	28.269	13.044	41.312	-12.688	54.000	AVERAGE
3		2390.000	28.933	12.144	41.077	-12.923	54.000	AVERAGE
4	*	2479.900	29.827	61.263	91.090	37.090	54.000	AVERAGE
5		2483.500	29.829	13.411	43.240	-10.760	54.000	AVERAGE
6		2500.000	29.826	12.314	42.139	-11.861	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : CB1	**Time : 2016/11/29 - 11:34**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 1: Transmit Mode_DH5_2480MHz**

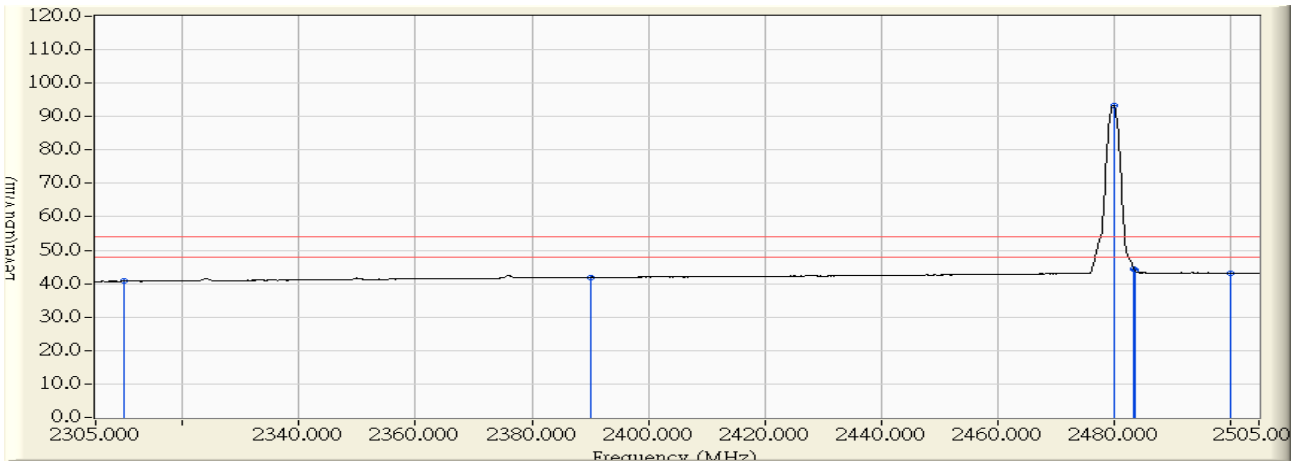


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	25.211	53.995	-20.005	74.000	PEAK
2		2390.000	29.747	25.424	55.171	-18.829	74.000	PEAK
3	*	2479.800	30.821	66.057	96.878	22.878	74.000	PEAK
4		2483.500	30.830	25.981	56.811	-17.189	74.000	PEAK
5		2484.900	30.833	26.277	57.111	-16.889	74.000	PEAK
6		2500.000	30.860	25.599	56.458	-17.542	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : CB1	**Time : 2016/11/29 - 11:34**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 1: Transmit Mode_DH5_2480MHz**

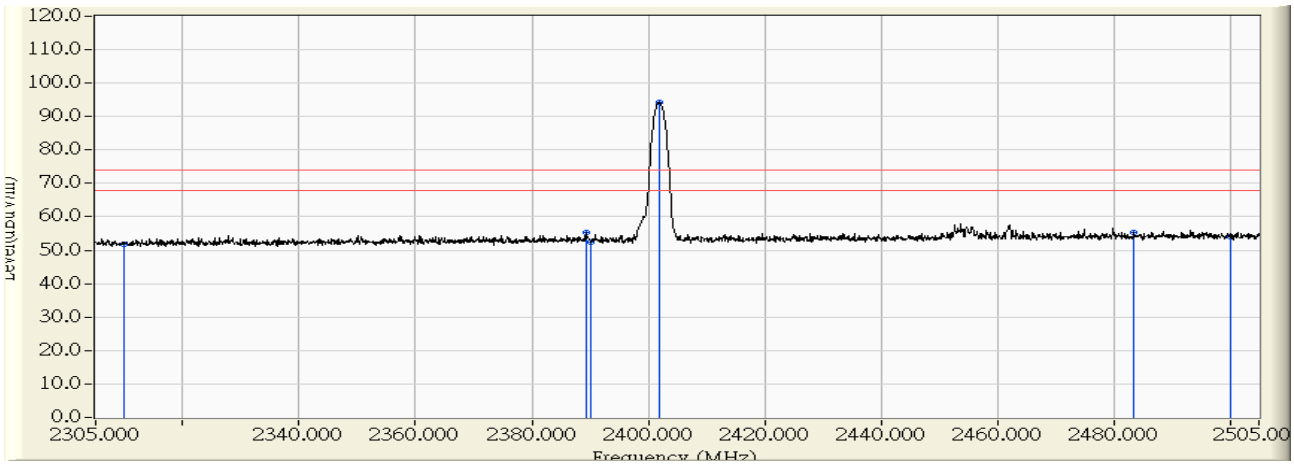


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	11.936	40.720	-13.280	54.000	AVERAGE
2		2390.000	29.747	12.124	41.871	-12.129	54.000	AVERAGE
3	*	2480.000	30.821	62.616	93.437	39.437	54.000	AVERAGE
4		2483.500	30.830	13.683	44.513	-9.487	54.000	AVERAGE
5		2483.600	30.831	13.305	44.135	-9.865	54.000	AVERAGE
6		2500.000	30.860	12.324	43.183	-10.817	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : CB1	**Time : 2016/12/01 - 10:49**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 2: Transmit Mode_2DH5_2402MHz**

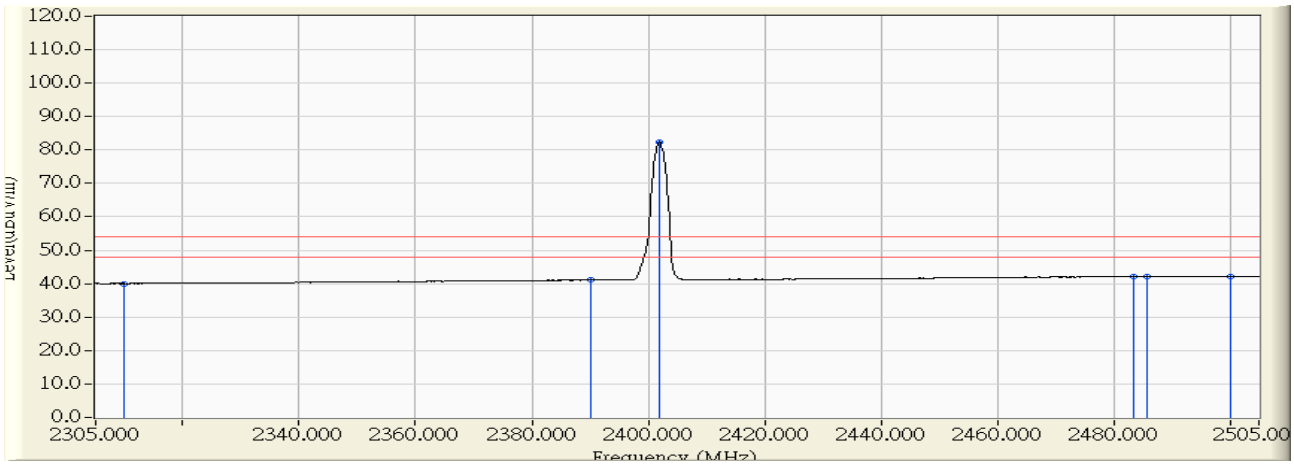


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	23.675	51.805	-22.195	74.000	PEAK
2		2389.300	28.926	26.411	55.337	-18.663	74.000	PEAK
3		2390.000	28.933	23.619	52.552	-21.448	74.000	PEAK
4	*	2401.800	29.051	65.176	94.228	20.228	74.000	PEAK
5		2483.500	29.829	25.396	55.225	-18.775	74.000	PEAK
6		2500.000	29.826	24.213	54.038	-19.962	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : CB1	**Time : 2016/12/01 - 10:52**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 2: Transmit Mode_2DH5_2402MHz**

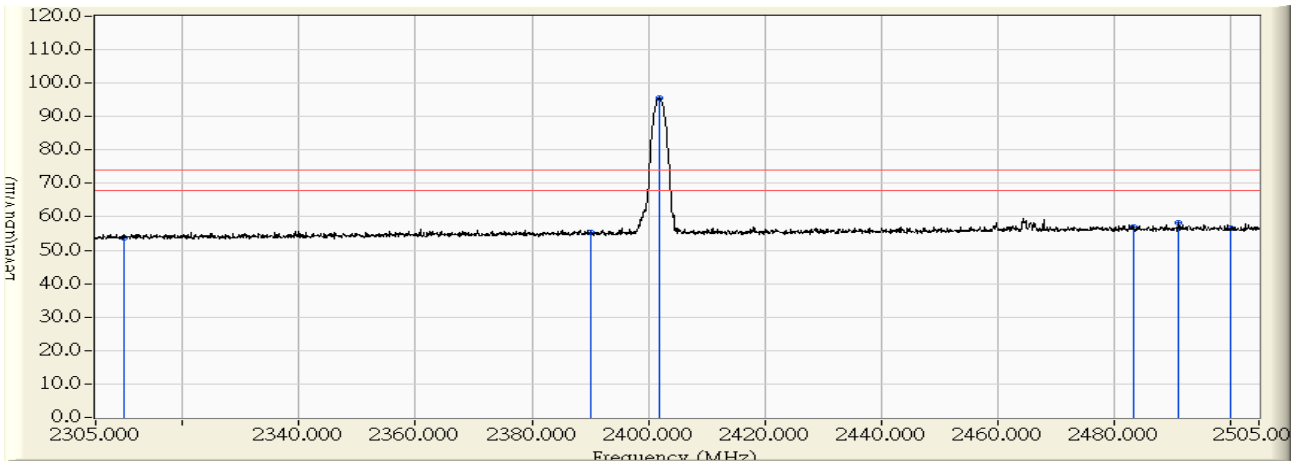


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	11.919	40.049	-13.951	54.000	AVERAGE
2		2390.000	28.933	12.144	41.077	-12.923	54.000	AVERAGE
3	*	2401.900	29.052	53.464	82.517	28.517	54.000	AVERAGE
4		2483.500	29.829	12.296	42.125	-11.875	54.000	AVERAGE
5		2485.800	29.831	12.423	42.253	-11.747	54.000	AVERAGE
6		2500.000	29.826	12.328	42.153	-11.847	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : CB1	**Time : 2016/12/01 - 10:59**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 2: Transmit Mode_2DH5_2402MHz**

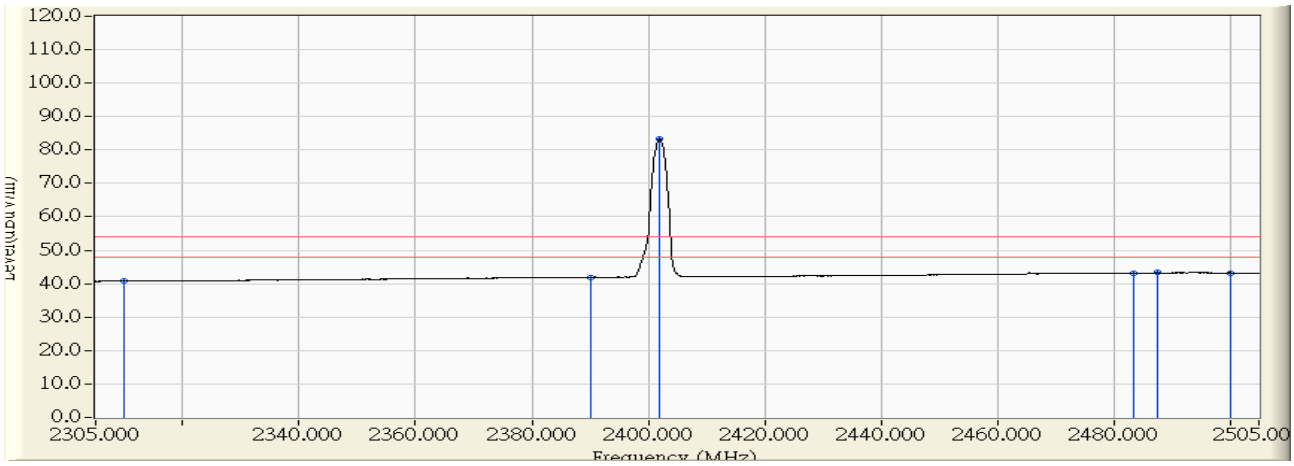


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	24.841	53.625	-20.375	74.000	PEAK
2		2390.000	29.747	25.554	55.301	-18.699	74.000	PEAK
3	*	2401.800	29.889	65.711	95.600	21.600	74.000	PEAK
4		2483.500	30.830	25.969	56.799	-17.201	74.000	PEAK
5		2491.200	30.849	27.351	58.200	-15.800	74.000	PEAK
6		2500.000	30.860	25.615	56.474	-17.526	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : CB1	**Time : 2016/12/01 - 11:01**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 2: Transmit Mode_2DH5_2402MHz**

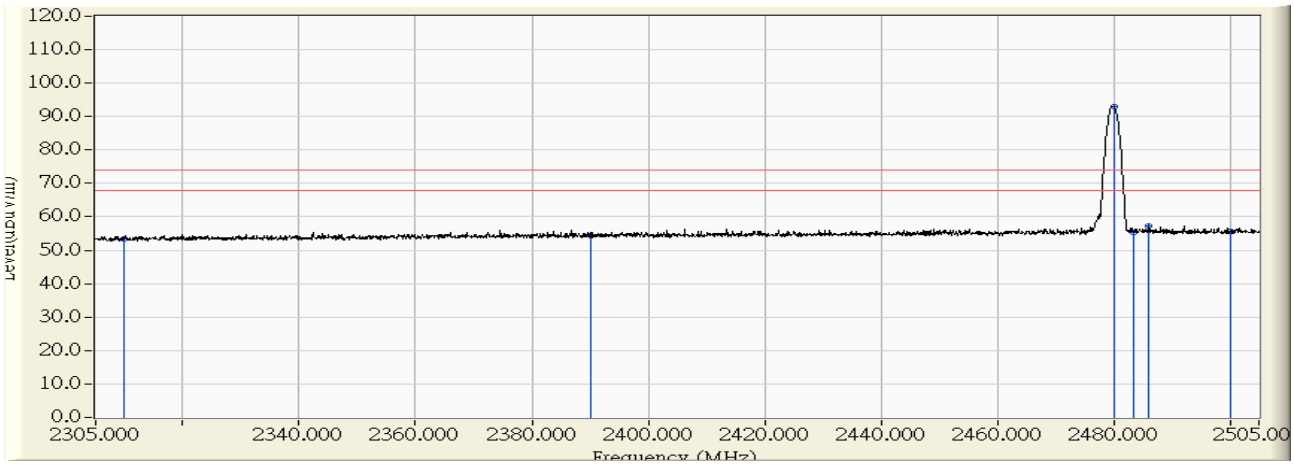


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	11.982	40.766	-13.234	54.000	AVERAGE
2		2390.000	29.747	12.161	41.908	-12.092	54.000	AVERAGE
3	*	2401.900	29.890	53.461	83.351	29.351	54.000	AVERAGE
4		2483.500	30.830	12.316	43.146	-10.854	54.000	AVERAGE
5		2487.500	30.840	12.456	43.296	-10.704	54.000	AVERAGE
6		2500.000	30.860	12.407	43.266	-10.734	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : CB1	**Time : 2016/12/01 - 11:42**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 2: Transmit Mode_2DH5_2480MHz**

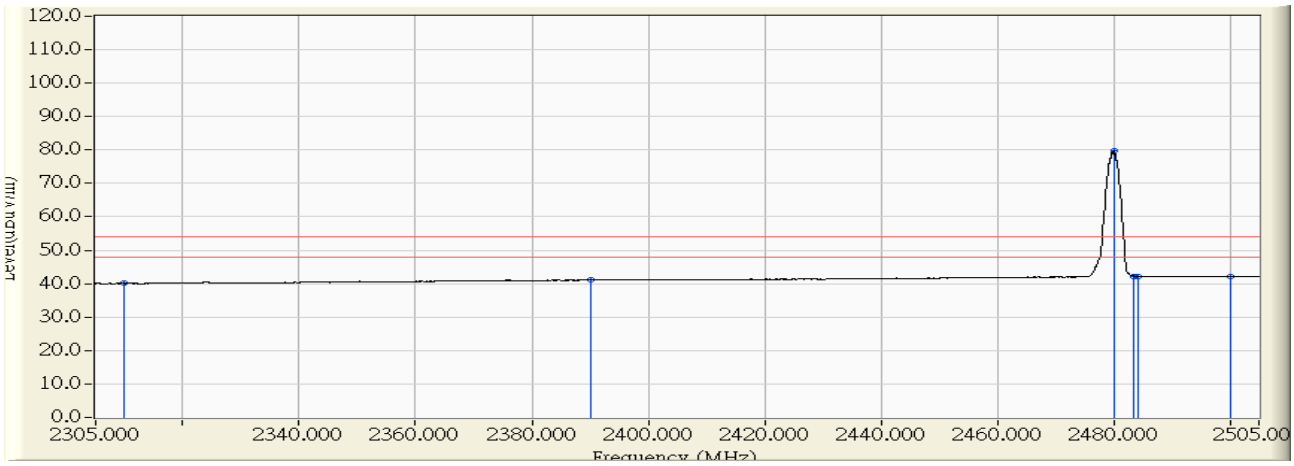


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	25.415	53.545	-20.455	74.000	PEAK
2		2390.000	28.933	25.569	54.502	-19.498	74.000	PEAK
3	*	2480.000	29.827	63.221	93.048	19.048	74.000	PEAK
4		2483.500	29.829	25.611	55.440	-18.560	74.000	PEAK
5		2486.000	29.831	27.522	57.352	-16.648	74.000	PEAK
6		2500.000	29.826	25.779	55.604	-18.396	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : CB1	**Time : 2016/12/01 - 11:43**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 2: Transmit Mode_2DH5_2480MHz**

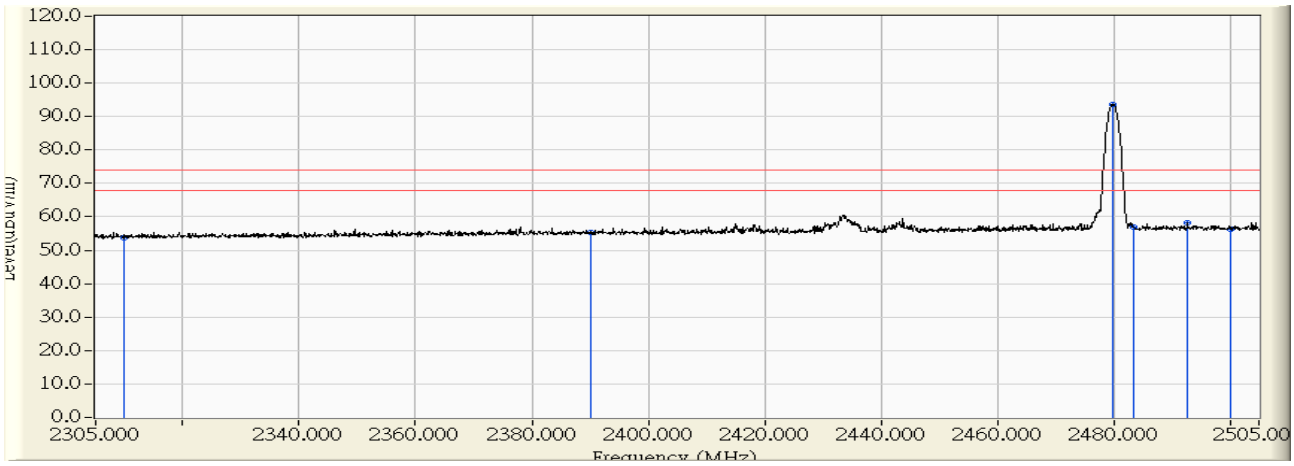


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	11.941	40.071	-13.929	54.000	AVERAGE
2		2390.000	28.933	12.178	41.111	-12.889	54.000	AVERAGE
3	*	2480.000	29.827	49.856	79.683	25.683	54.000	AVERAGE
4		2483.500	29.829	12.465	42.294	-11.706	54.000	AVERAGE
5		2484.200	29.830	12.453	42.282	-11.718	54.000	AVERAGE
6		2500.000	29.826	12.310	42.135	-11.865	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : CB1	**Time : 2016/12/01 - 11:50**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 2: Transmit Mode_2DH5_2480MHz**

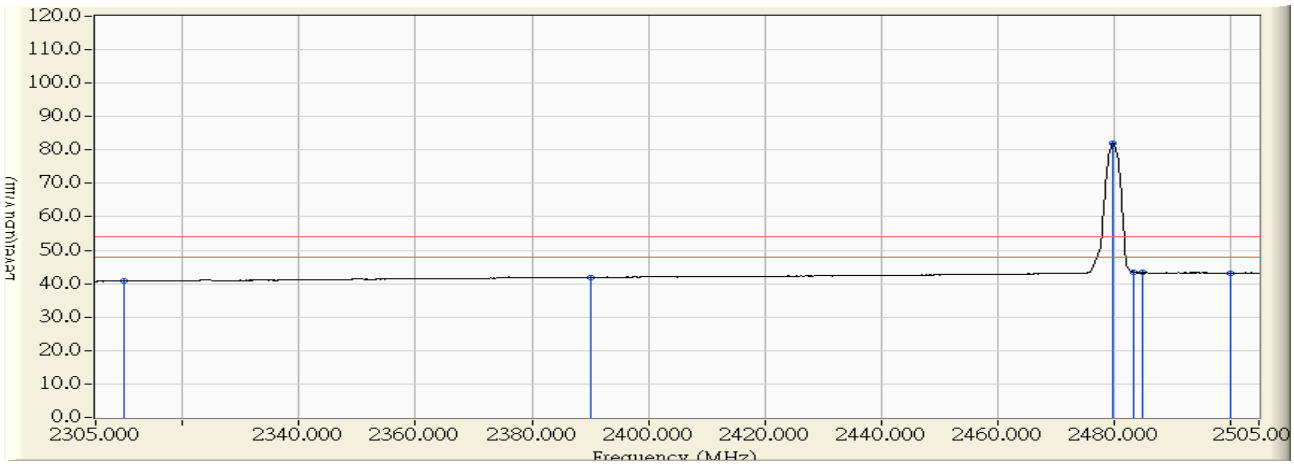


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	24.786	53.570	-20.430	74.000	PEAK
2		2390.000	29.747	25.692	55.439	-18.561	74.000	PEAK
3	*	2479.800	30.821	62.926	93.747	19.747	74.000	PEAK
4		2483.500	30.830	26.156	56.986	-17.014	74.000	PEAK
5		2492.700	30.852	27.484	58.337	-15.663	74.000	PEAK
6		2500.000	30.860	25.283	56.142	-17.858	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : CB1	**Time : 2016/12/01 - 11:51**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 2: Transmit Mode_2DH5_2480MHz**

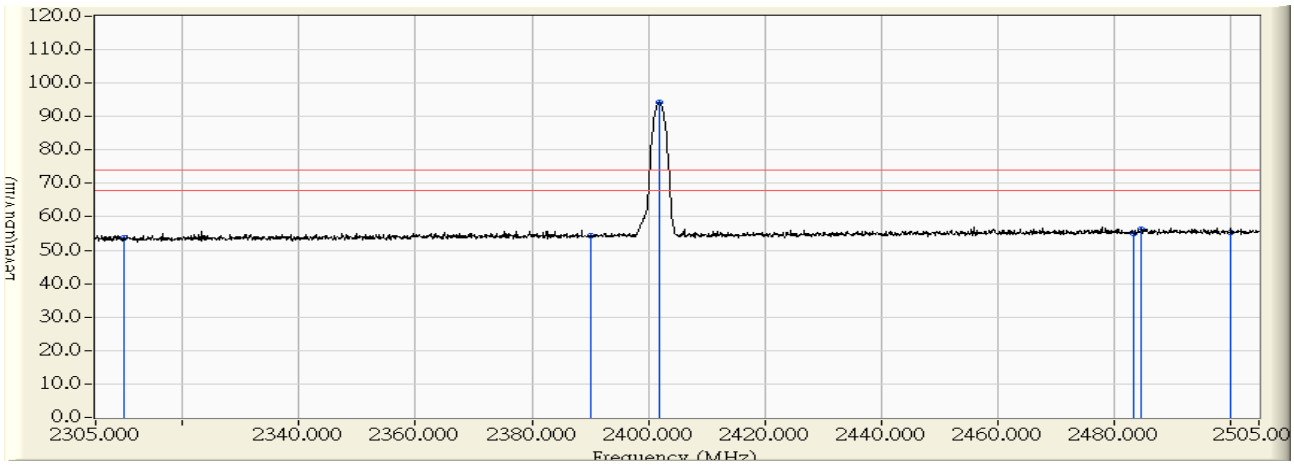


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	11.956	40.740	-13.260	54.000	AVERAGE
2		2390.000	29.747	12.193	41.940	-12.060	54.000	AVERAGE
3	*	2479.900	30.821	51.298	82.119	28.119	54.000	AVERAGE
4		2483.500	30.830	12.616	43.446	-10.554	54.000	AVERAGE
5		2484.900	30.833	12.444	43.278	-10.722	54.000	AVERAGE
6		2500.000	30.860	12.308	43.167	-10.833	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : CB1	**Time : 2016/12/01 - 13:08**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 3: Transmit Mode_3DH5_2402MHz**

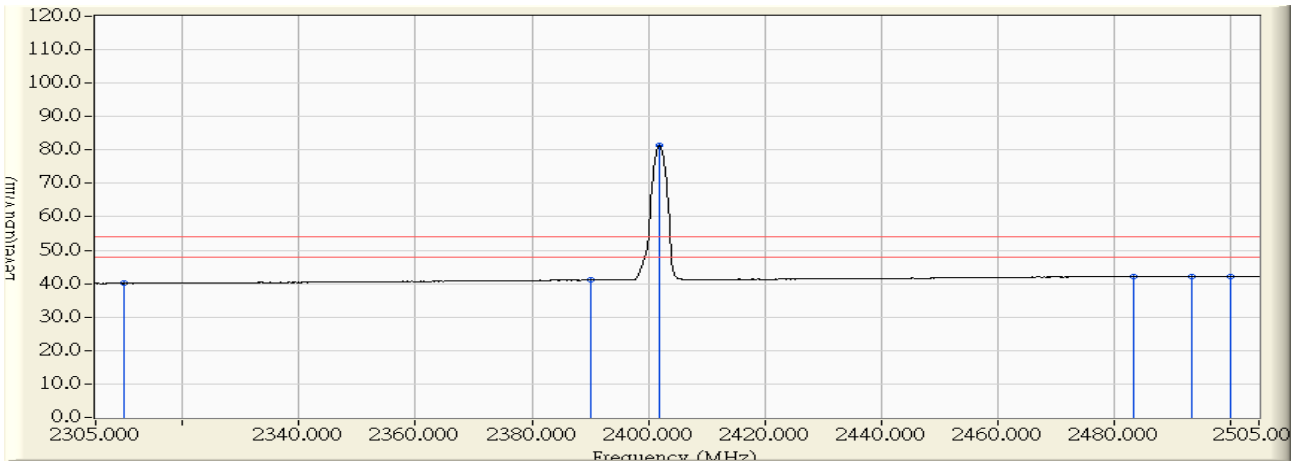


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	25.583	53.713	-20.287	74.000	PEAK
2		2390.000	28.933	25.510	54.443	-19.557	74.000	PEAK
3	*	2401.800	29.051	65.351	94.403	20.403	74.000	PEAK
4		2483.500	29.829	25.154	54.983	-19.017	74.000	PEAK
5		2484.700	29.830	26.587	56.417	-17.583	74.000	PEAK
6		2500.000	29.826	25.374	55.199	-18.801	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : CB1	**Time : 2016/12/01 - 13:11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 3: Transmit Mode_3DH5_2402MHz**

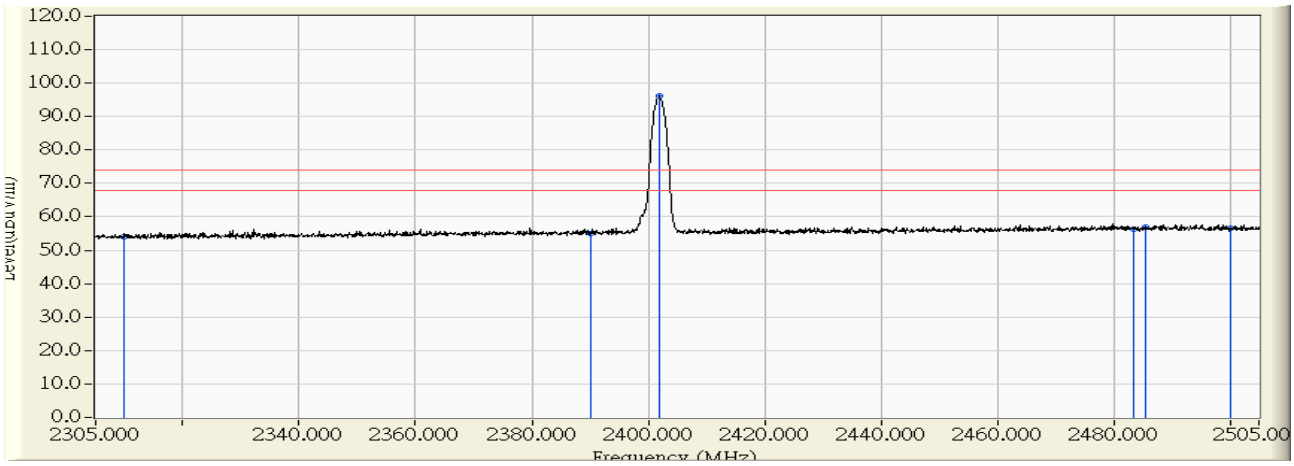


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	11.972	40.102	-13.898	54.000	AVERAGE
2		2390.000	28.933	12.171	41.104	-12.896	54.000	AVERAGE
3	*	2402.000	29.053	52.230	81.284	27.284	54.000	AVERAGE
4		2483.500	29.829	12.357	42.186	-11.814	54.000	AVERAGE
5		2493.400	29.834	12.418	42.252	-11.748	54.000	AVERAGE
6		2500.000	29.826	12.350	42.175	-11.825	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : CB1	**Time : 2016/12/01 - 13:17**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 3: Transmit Mode_3DH5_2402MHz**

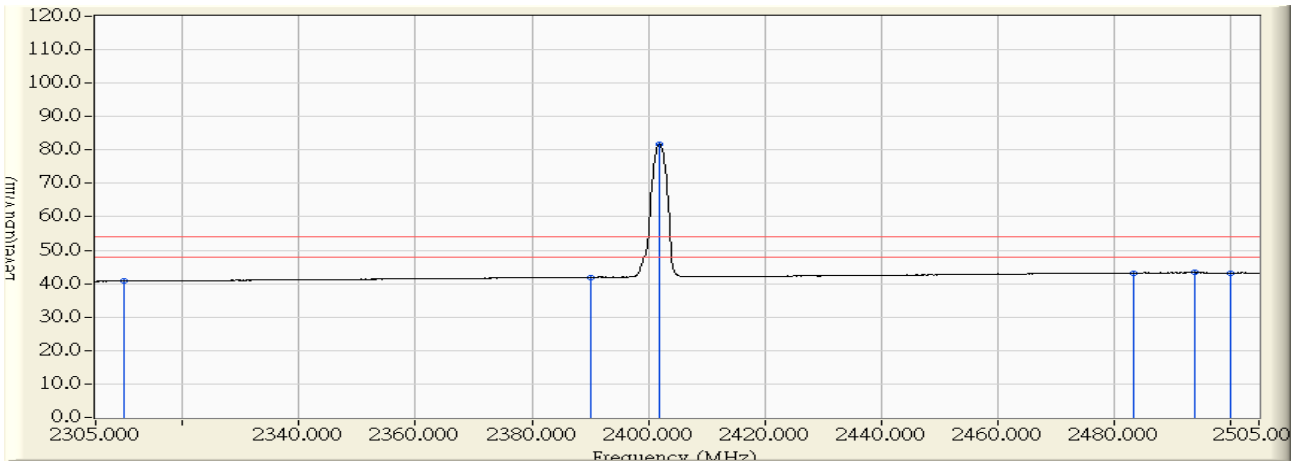


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	25.276	54.060	-19.940	74.000	PEAK
2		2390.000	29.747	25.126	54.873	-19.127	74.000	PEAK
3	*	2402.000	29.891	66.180	96.072	22.072	74.000	PEAK
4		2483.500	30.830	25.519	56.349	-17.651	74.000	PEAK
5		2485.400	30.834	26.072	56.907	-17.093	74.000	PEAK
6		2500.000	30.860	25.770	56.629	-17.371	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : CB1	**Time : 2016/12/01 - 13:18**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 3: Transmit Mode_3DH5_2402MHz**

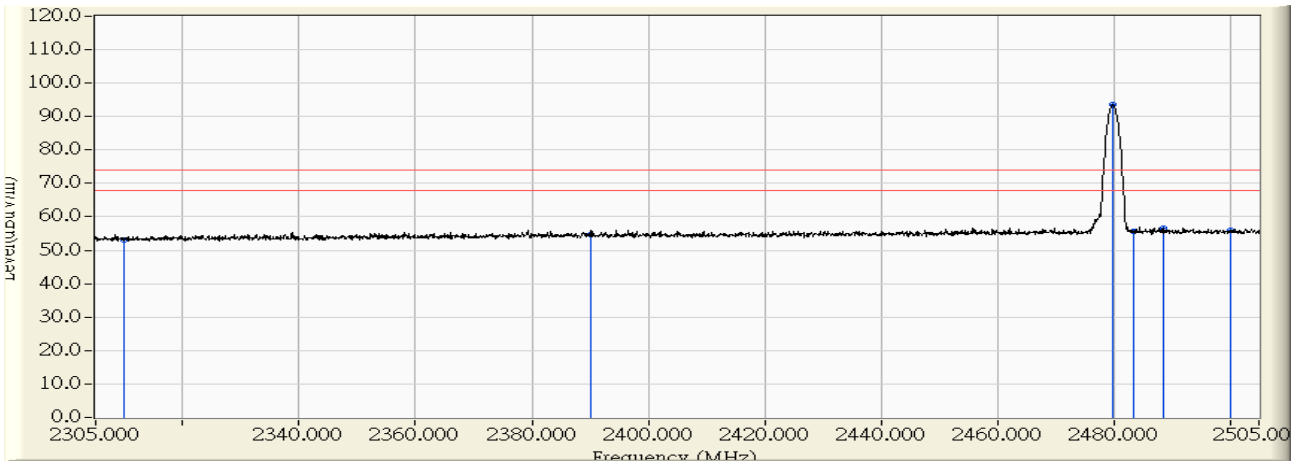


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	11.954	40.738	-13.262	54.000	AVERAGE
2		2390.000	29.747	12.188	41.935	-12.065	54.000	AVERAGE
3	*	2401.900	29.890	51.827	81.717	27.717	54.000	AVERAGE
4		2483.500	30.830	12.357	43.187	-10.813	54.000	AVERAGE
5		2493.900	30.856	12.429	43.285	-10.715	54.000	AVERAGE
6		2500.000	30.860	12.383	43.242	-10.758	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : CB1	**Time : 2016/12/01 - 13:42**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 3: Transmit Mode_3DH5_2480MHz**

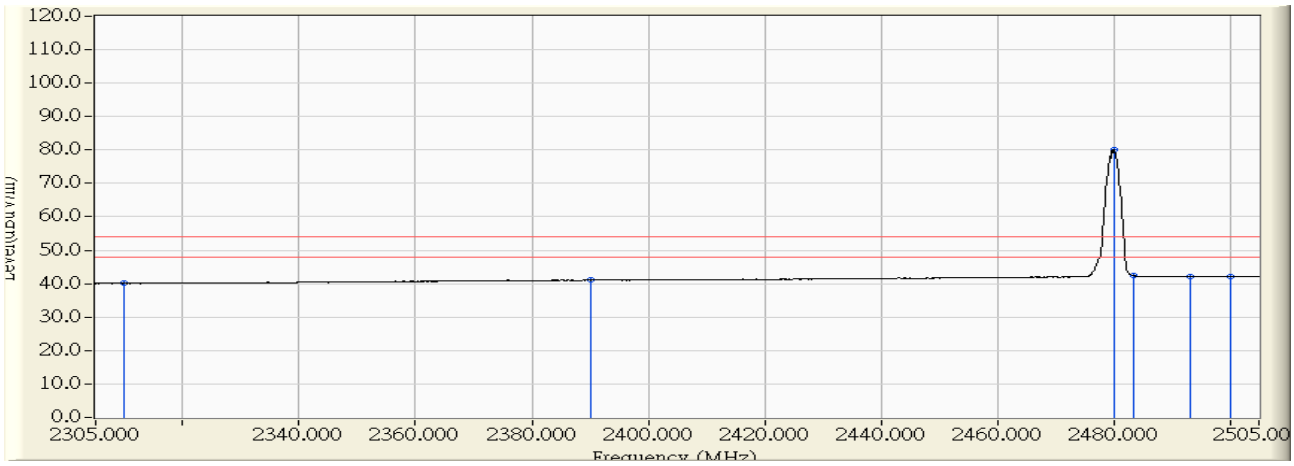


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	25.072	53.202	-20.798	74.000	PEAK
2		2390.000	28.933	25.846	54.779	-19.221	74.000	PEAK
3	*	2479.900	29.827	63.674	93.501	19.501	74.000	PEAK
4		2483.500	29.829	25.959	55.788	-18.212	74.000	PEAK
5		2488.500	29.832	26.910	56.741	-17.259	74.000	PEAK
6		2500.000	29.826	26.081	55.906	-18.094	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : CB1	**Time : 2016/12/01 - 13:42**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 3: Transmit Mode_3DH5_2480MHz**

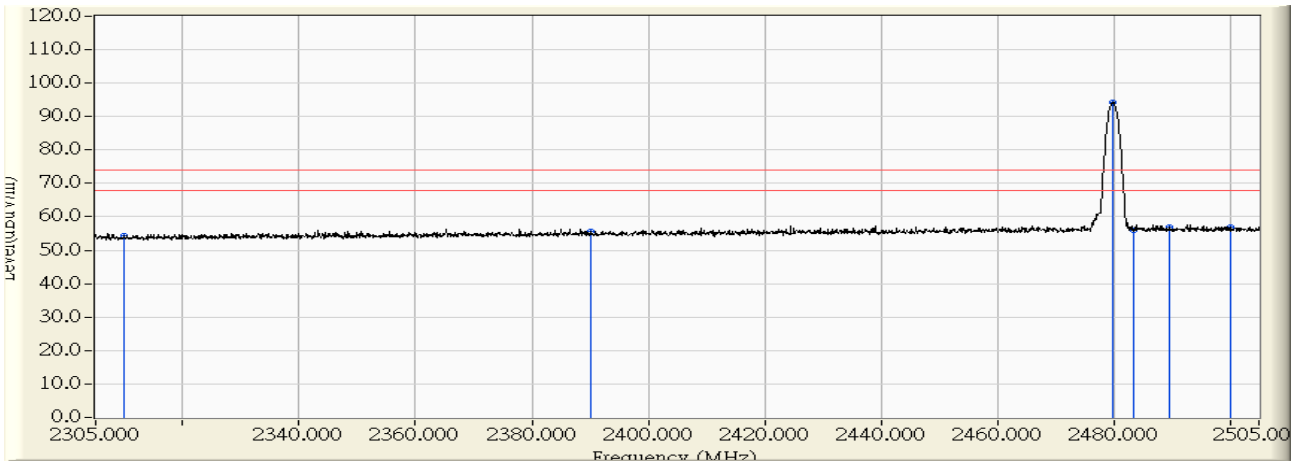


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	11.977	40.107	-13.893	54.000	PEAK
2		2390.000	28.933	12.144	41.077	-12.923	54.000	PEAK
3	*	2480.000	29.827	50.143	79.970	25.970	54.000	PEAK
4		2483.500	29.829	12.566	42.395	-11.605	54.000	PEAK
5		2493.100	29.834	12.433	42.267	-11.733	54.000	PEAK
6		2500.000	29.826	12.300	42.125	-11.875	54.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : CB1	**Time : 2016/12/01 - 13:45**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 3: Transmit Mode_3DH5_2480MHz**

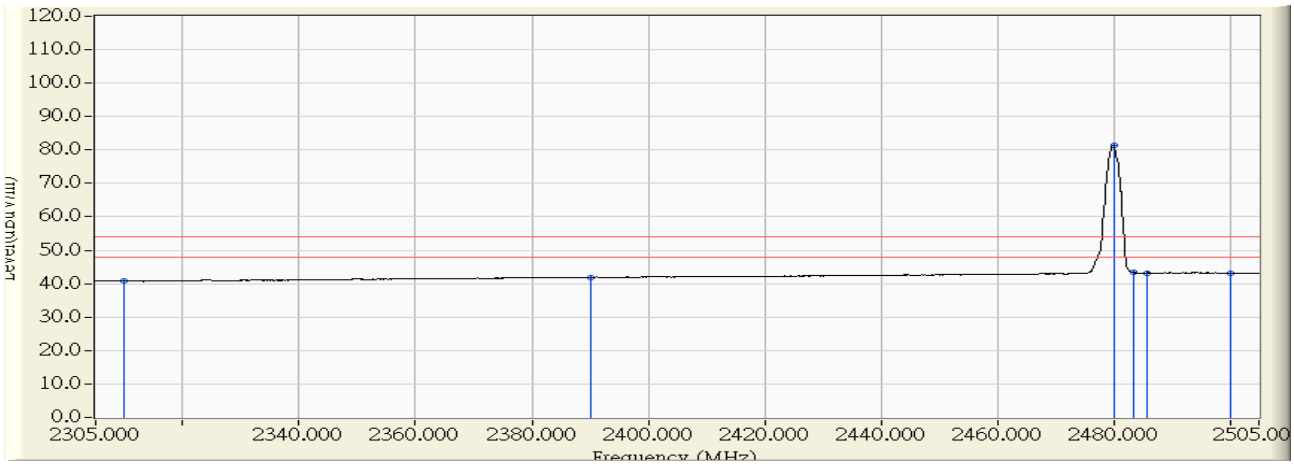


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	25.496	54.280	-19.720	74.000	PEAK
2		2390.000	29.747	25.786	55.533	-18.467	74.000	PEAK
3	*	2479.800	30.821	63.452	94.273	20.273	74.000	PEAK
4		2483.500	30.830	25.191	56.021	-17.979	74.000	PEAK
5		2489.700	30.845	26.061	56.906	-17.094	74.000	PEAK
6		2500.000	30.860	26.029	56.888	-17.112	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : CB1	**Time : 2016/12/01 - 13:46**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : DC 4.2V(Power By Battery)**
EUT : Headphone	**Note : Mode 3: Transmit Mode_3DH5_2480MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	11.956	40.740	-13.260	54.000	AVERAGE
2		2390.000	29.747	12.144	41.891	-12.109	54.000	AVERAGE
3	*	2480.000	30.821	50.588	81.409	27.409	54.000	AVERAGE
4		2483.500	30.830	12.586	43.416	-10.584	54.000	AVERAGE
5		2485.700	30.835	12.386	43.222	-10.778	54.000	AVERAGE
6		2500.000	30.860	12.311	43.170	-10.830	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

7. Number of hopping frequency

7.1. Test Equipment

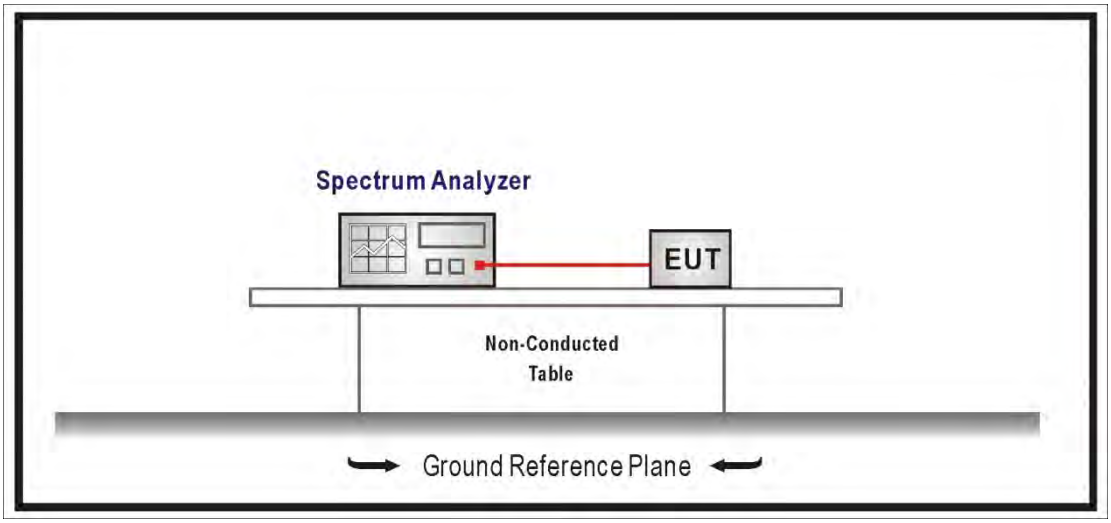
The following test equipment is used during the test:

Number of hopping frequency / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A	US47140172	2017/08/08
Signal & Spectrum Analyzer	R&S	FSV40	101049	2017/01/05
Signal Analyzer	R&S	FSV7	101650	2017/11/15

Note: All equipments that need to calibrate are with calibration period of 1 year.

7.2. Test Setup



7.3. Limits

For frequency hopping systems operating in the 902-928 MHz band: if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 20 second period; if the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the system shall use at least 25 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 10 second period. The maximum allowed 20 dB bandwidth of the hopping channel is 500 kHz.
For frequency hopping systems operating in the 2400-2483.5 MHz bands, which use fewer than 75 hopping frequencies, may employ intelligent hopping techniques to avoid interference to other transmissions. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 non-overlapping channels are used.
For frequency hopping systems operating in the 5725-5850 MHz band shall use at least 75 hopping frequencies.

7.4. Test Procedures

The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of FCC KDB 558074 D01 for compliance to FCC 47CFR 15.247 requirements , Span = the frequency band of operation ,RBW ≥ 1% of the span , VBW ≥ RBW , Sweep = auto, Detector function = peak, Trace = max hold.

7.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2015

7.6. Uncertainty

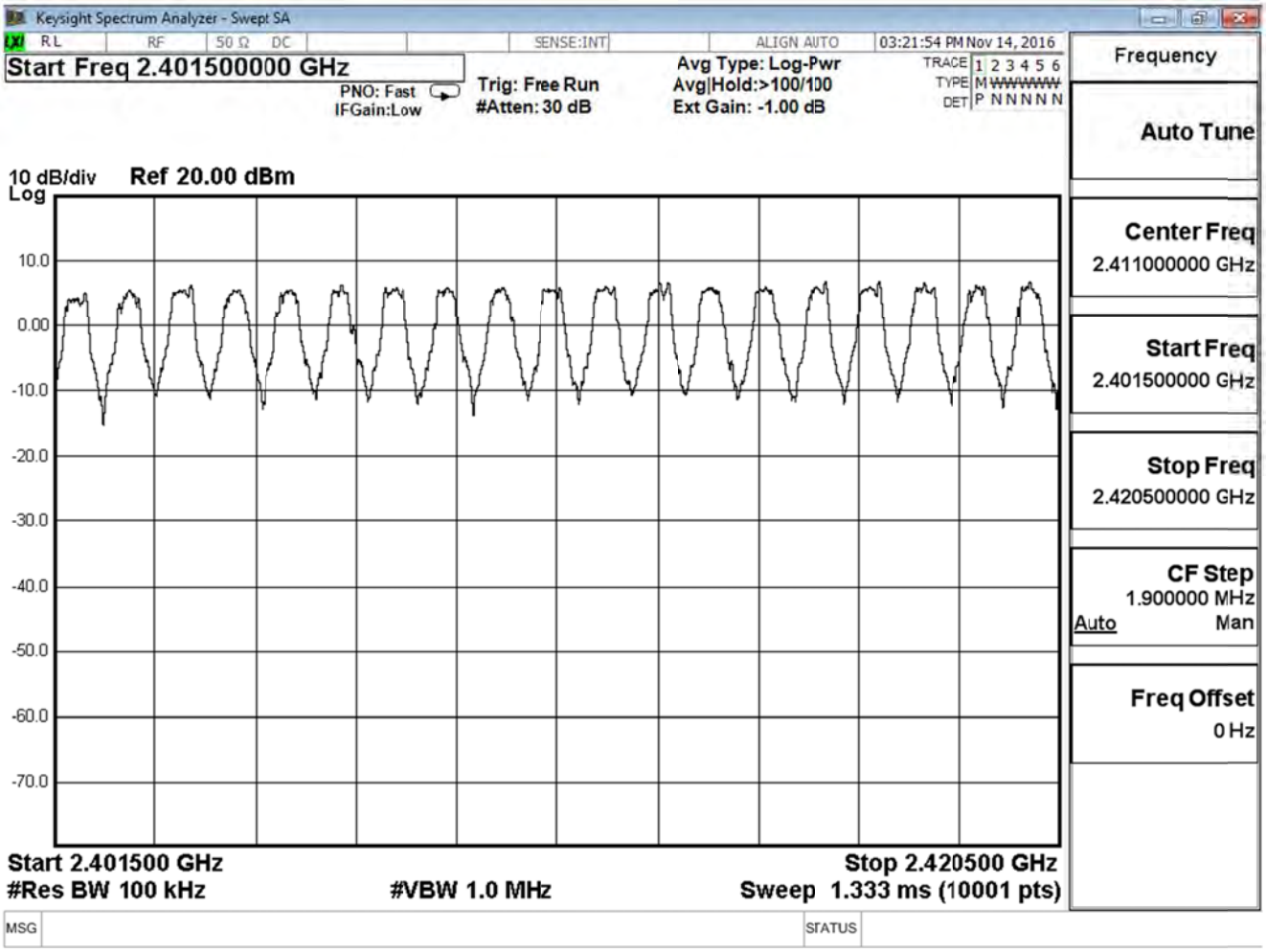
The measurement uncertainty is defined as ±150Hz

7.7. Test Result

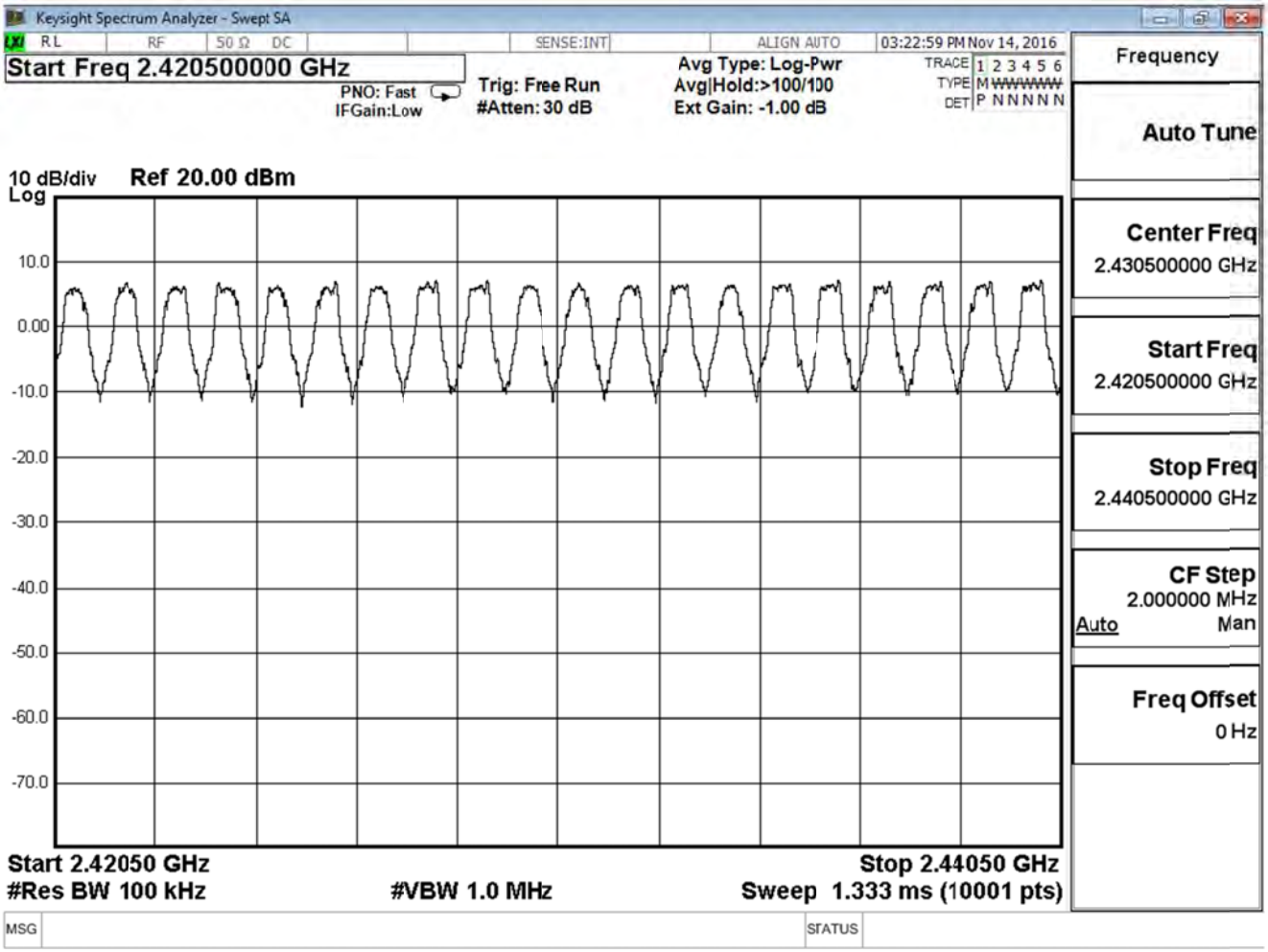
Product	Headphone		
Test Item	Number of hopping frequency		
Test Mode	Mode 1: Transmit Mode_DH5		
Date of Test	2016/11/14	Test Site	SR7

Frequency Range (MHz)	Measure Level (Channels)	Limit (Channels)	Result
2402 - 2480	79	≧ 75	Pass

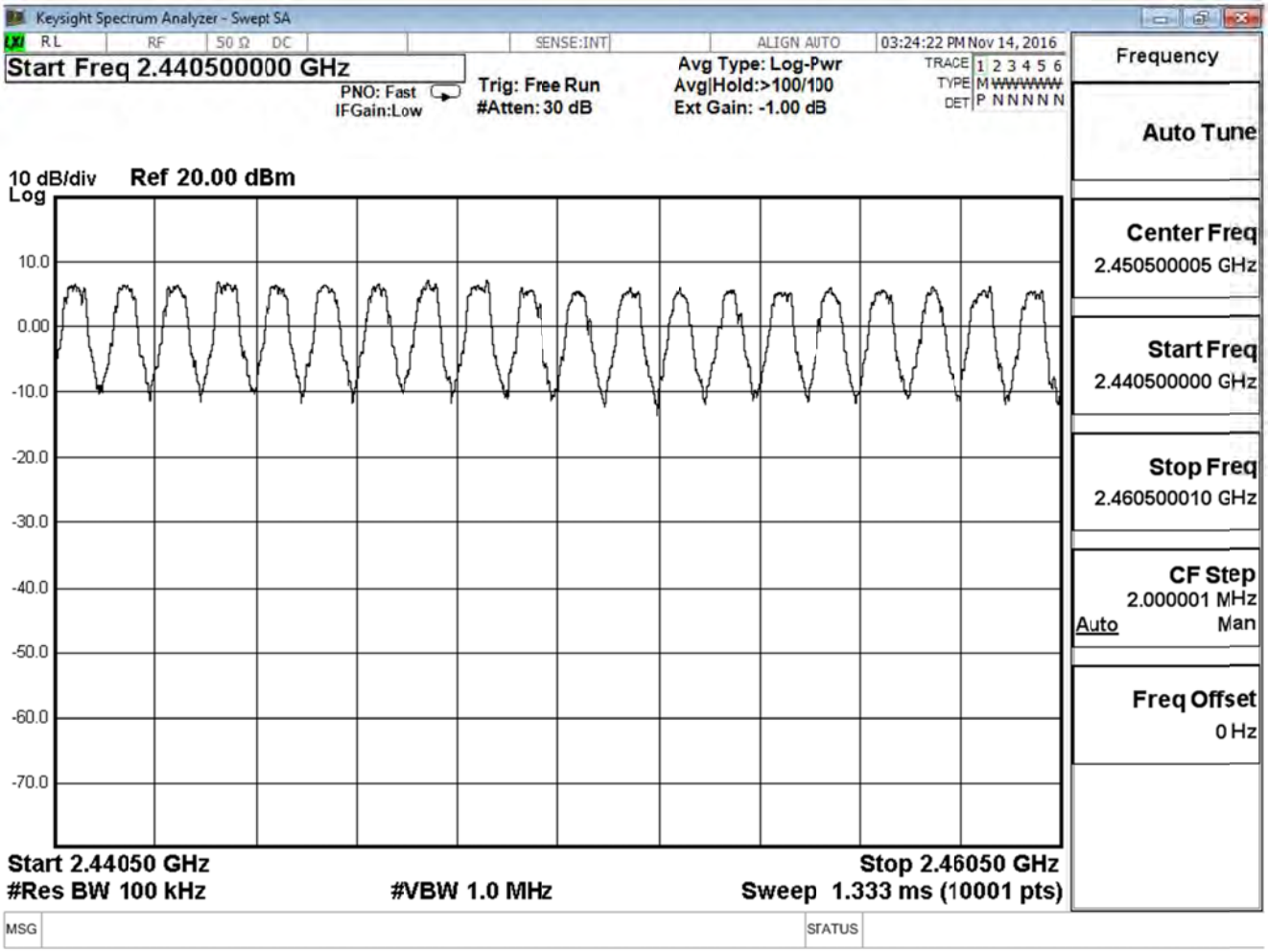
2401.5-2420.5MHz



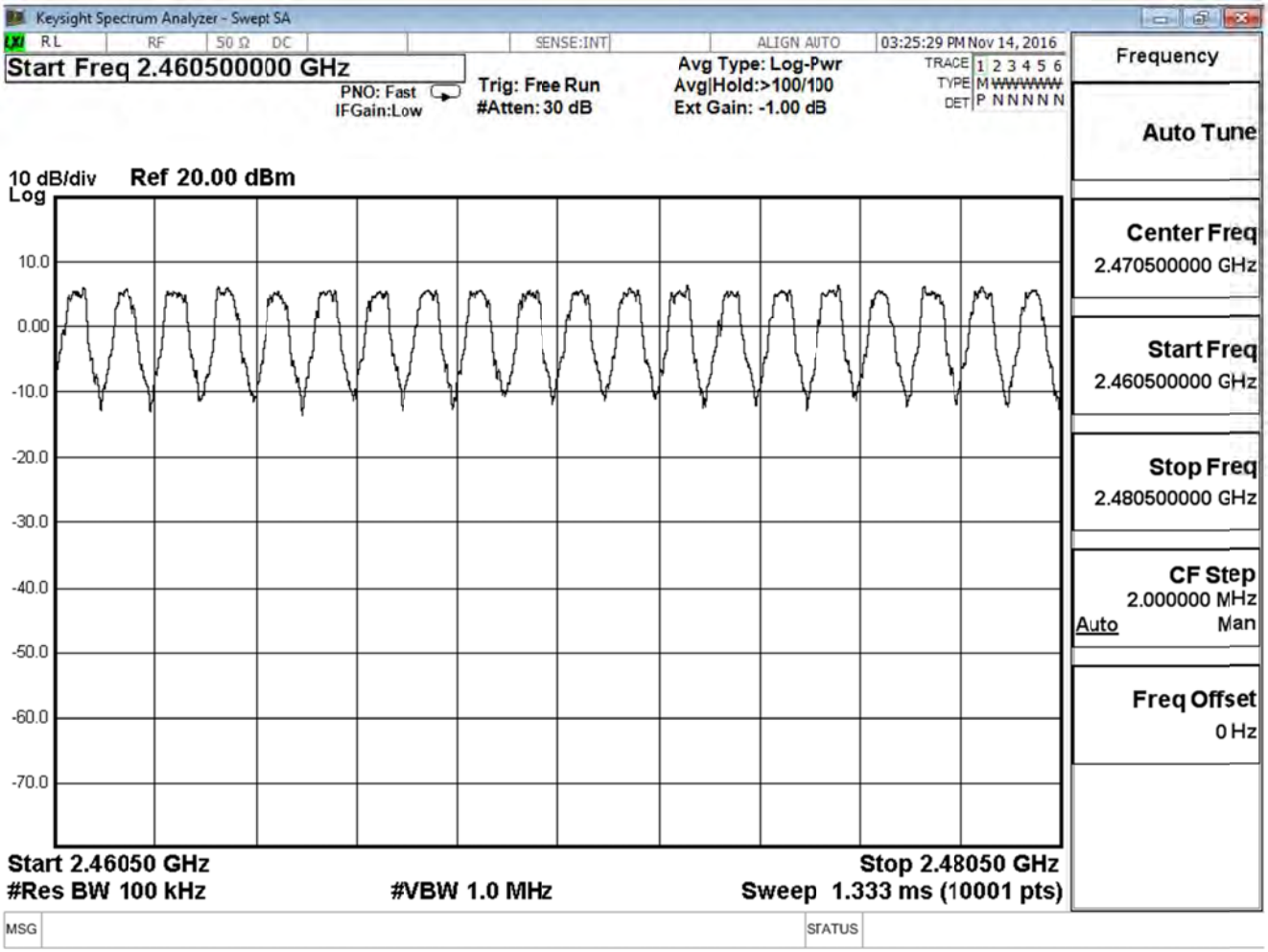
2420.5-2440.5MHz



2440.5-2460.5MHz



2460.5-2480.5MHz



8. Carrier Frequency Separation

8.1. Test Equipment

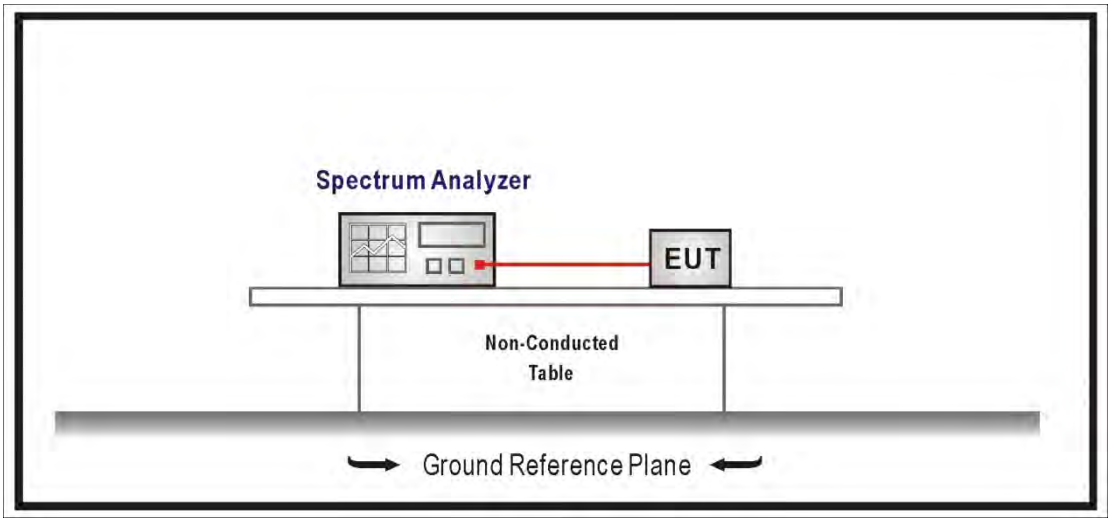
The following test equipment is used during the test:

Carrier Frequency Separation / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A	US47140172	2017/08/08
Signal & Spectrum Analyzer	R&S	FSV40	101049	2017/01/05
Signal Analyzer	R&S	FSV7	101650	2017/11/15

Note: All equipments that need to calibrate are with calibration period of 1 year.

8.2. Test Setup



8.3. Limits

For frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater.

8.4. Test Procedures

The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of FCC KDB 558074 D01 for compliance to FCC 47CFR 15.247 requirements
Span = wide enough to capture the peaks of two adjacent channels
Resolution Bandwidth (RBW) ≥ 1% of the span, VBW ≥ RBW
Sweep = auto, Detector function = peak, Trace = max hold

8.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2015

8.6. Uncertainty

The measurement uncertainty is defined as ±150Hz

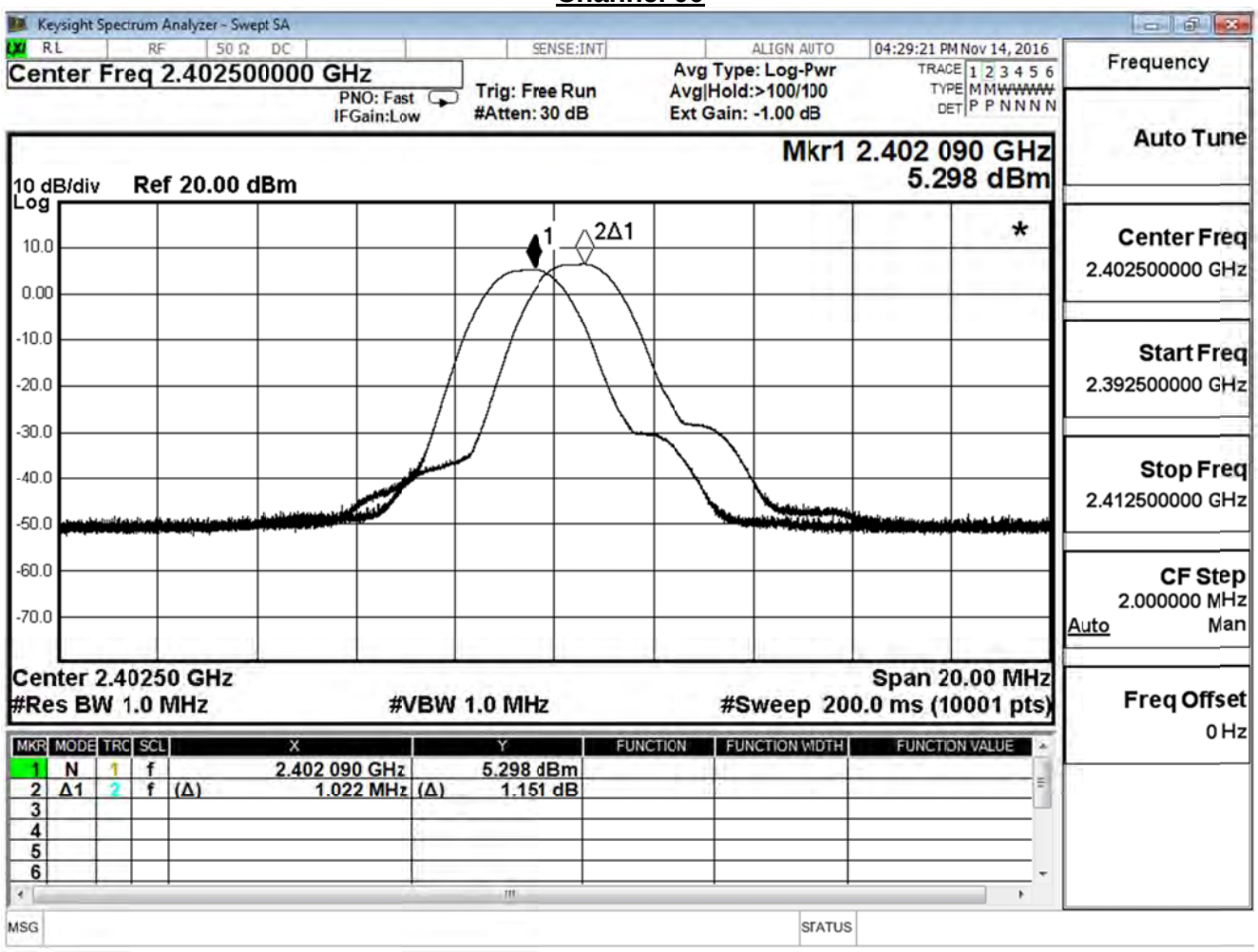
8.7. Test Result

Product	Headphone		
Test Item	Carrier Frequency Separation		
Test Mode	Mode 1: Transmit Mode_DH5		
Date of Test	2016/11/14	Test Site	SR7

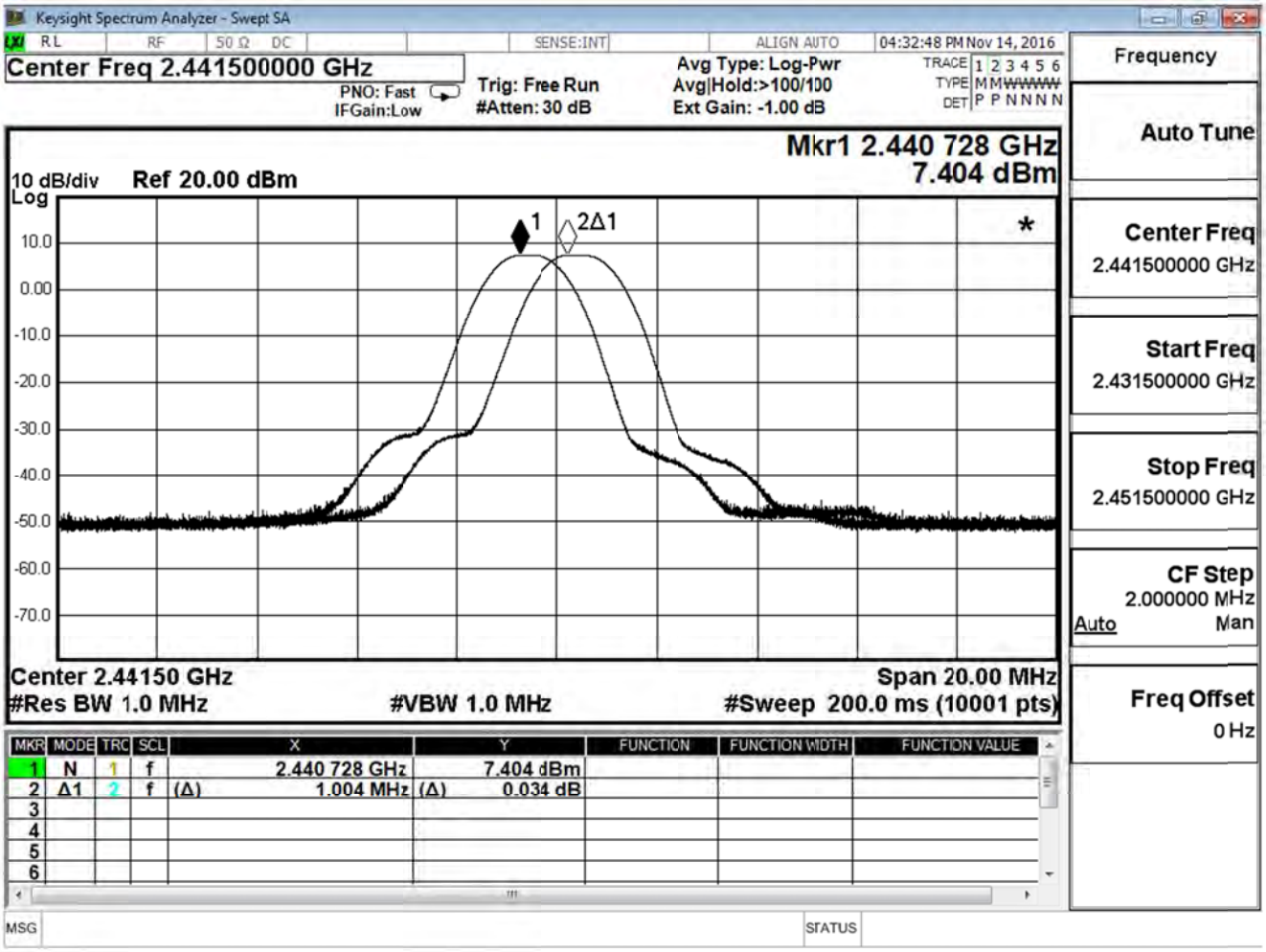
GFSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
00	2402	1.022	0.740	Pass
39	2441	1.004	0.740	Pass
78	2480	1.014	0.737	Pass

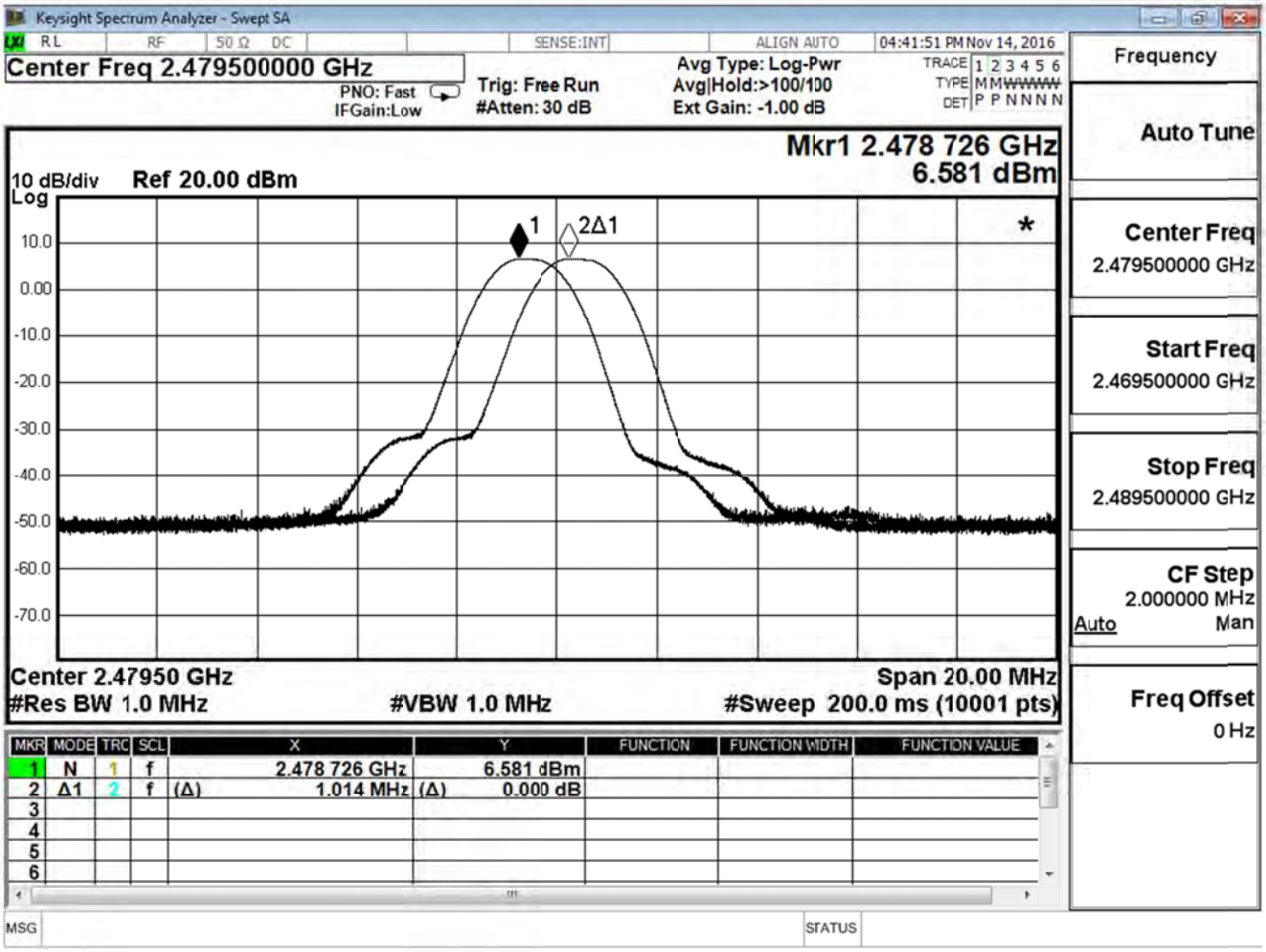
Channel 00



Channel 39


Keysight Spectrum Analyzer - Swept SA
RL
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
04:32:48 PM Nov 14, 2016
Center Freq 2.441500000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE M M W W W W
DET P P N N N N
Mkr1 2.440 728 GHz
7.404 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
1
2Δ1
*
Center 2.44150 GHz
#Res BW 1.0 MHz
#VBW 1.0 MHz
Span 20.00 MHz
#Sweep 200.0 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.440 728 GHz 7.404 dBm
2 Δ1 2 f (Δ) 1.004 MHz (Δ) 0.034 dB
3
4
5
6
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.441500000 GHz
Start Freq
2.431500000 GHz
Stop Freq
2.451500000 GHz
CF Step
2.000000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 78

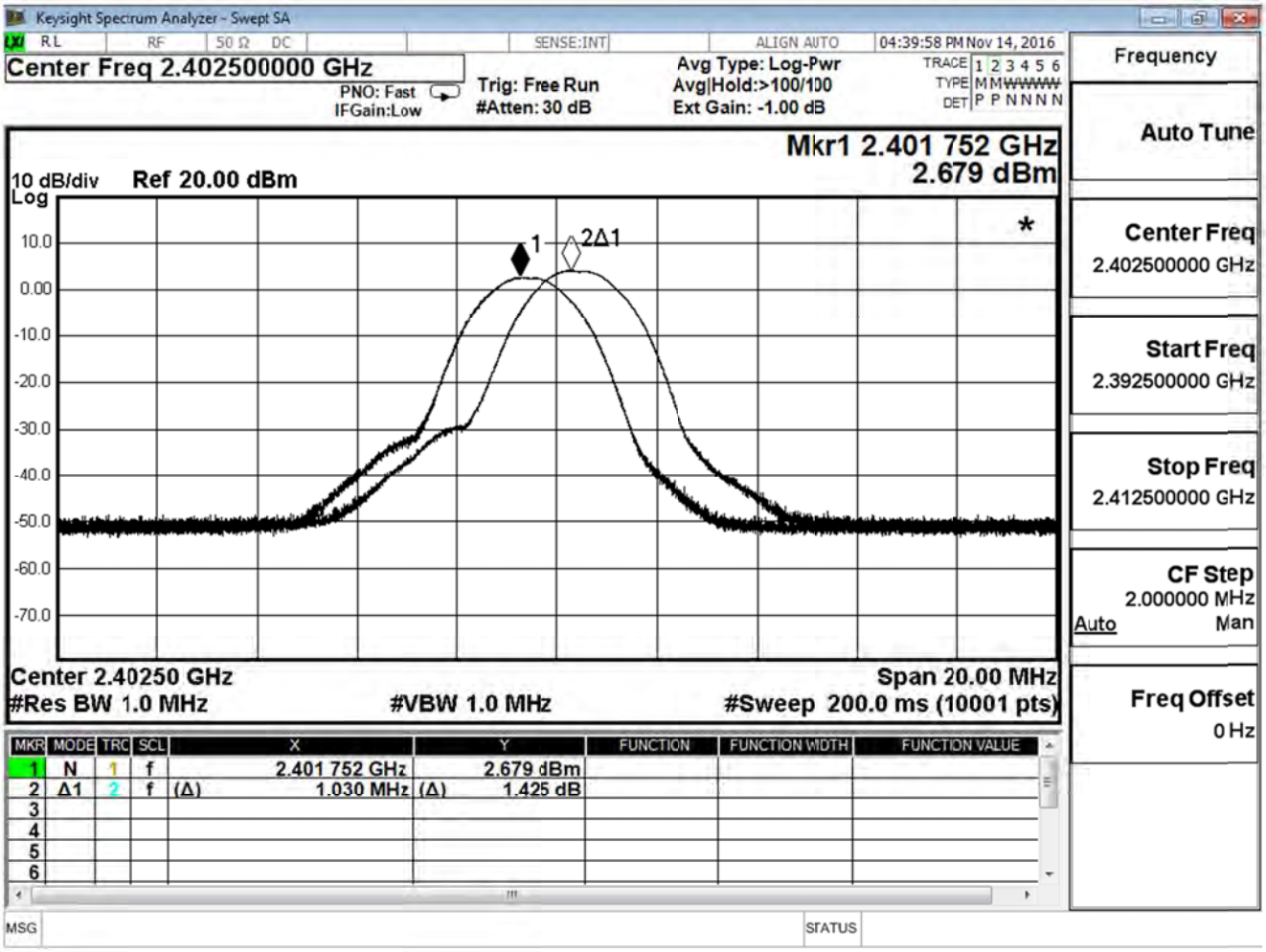

Keysight Spectrum Analyzer - Swept SA
RL
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
04:41:51 PM Nov 14, 2016
Center Freq 2.479500000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE M M W W W W
DET P P N N N N
Mkr1 2.478 726 GHz
6.581 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
1
2Δ1
*
Center 2.47950 GHz
#Res BW 1.0 MHz
#VBW 1.0 MHz
Span 20.00 MHz
#Sweep 200.0 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.478 726 GHz 6.581 dBm
2 Δ1 2 f (Δ) 1.014 MHz (Δ) 0.000 dB
3
4
5
6
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.479500000 GHz
Start Freq
2.469500000 GHz
Stop Freq
2.489500000 GHz
CF Step
2.000000 MHz
Auto
Man
Freq Offset
0 Hz

Product	Headphone		
Test Item	Carrier Frequency Separation		
Test Mode	Mode 1: Transmit Mode_DH5		
Date of Test	2016/11/14	Test Site	SR7

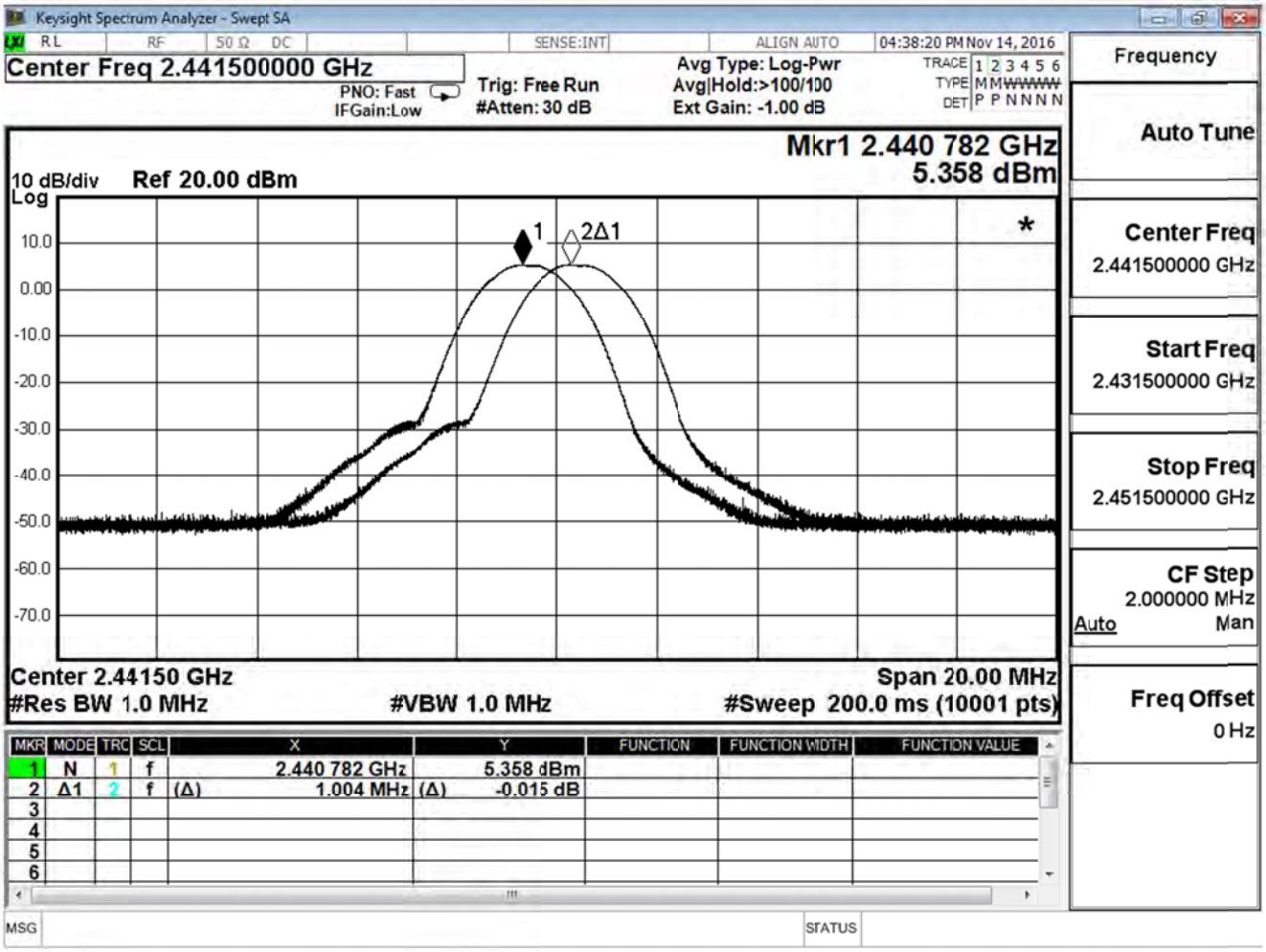
π/4-DQPSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
00	2402	1.030	0.911	Pass
39	2441	1.004	0.912	Pass
78	2480	1.038	0.909	Pass

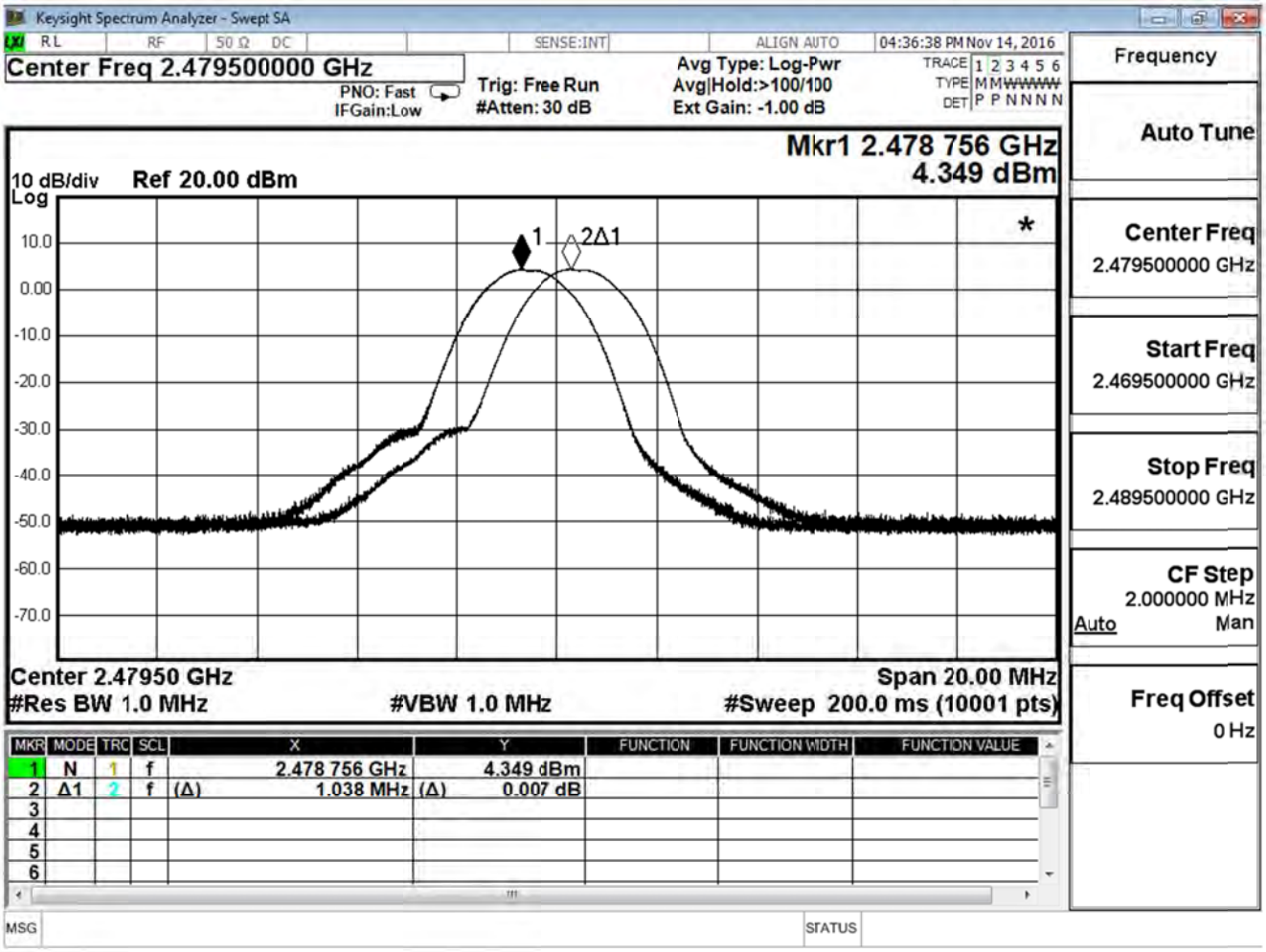
Channel 00



Channel 39


Keysight Spectrum Analyzer - Swept SA
RL
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
04:38:20 PM Nov 14, 2016
Center Freq 2.441500000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE M M W W W W
DET P P N N N N
Mkr1 2.440 782 GHz
5.358 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
1
2Δ1
*
Center 2.44150 GHz
#Res BW 1.0 MHz
#VBW 1.0 MHz
Span 20.00 MHz
#Sweep 200.0 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.440 782 GHz 5.358 dBm
2 Δ1 2 f (Δ) 1.004 MHz (Δ) -0.015 dB
3
4
5
6
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.441500000 GHz
Start Freq
2.431500000 GHz
Stop Freq
2.451500000 GHz
CF Step
2.000000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 78

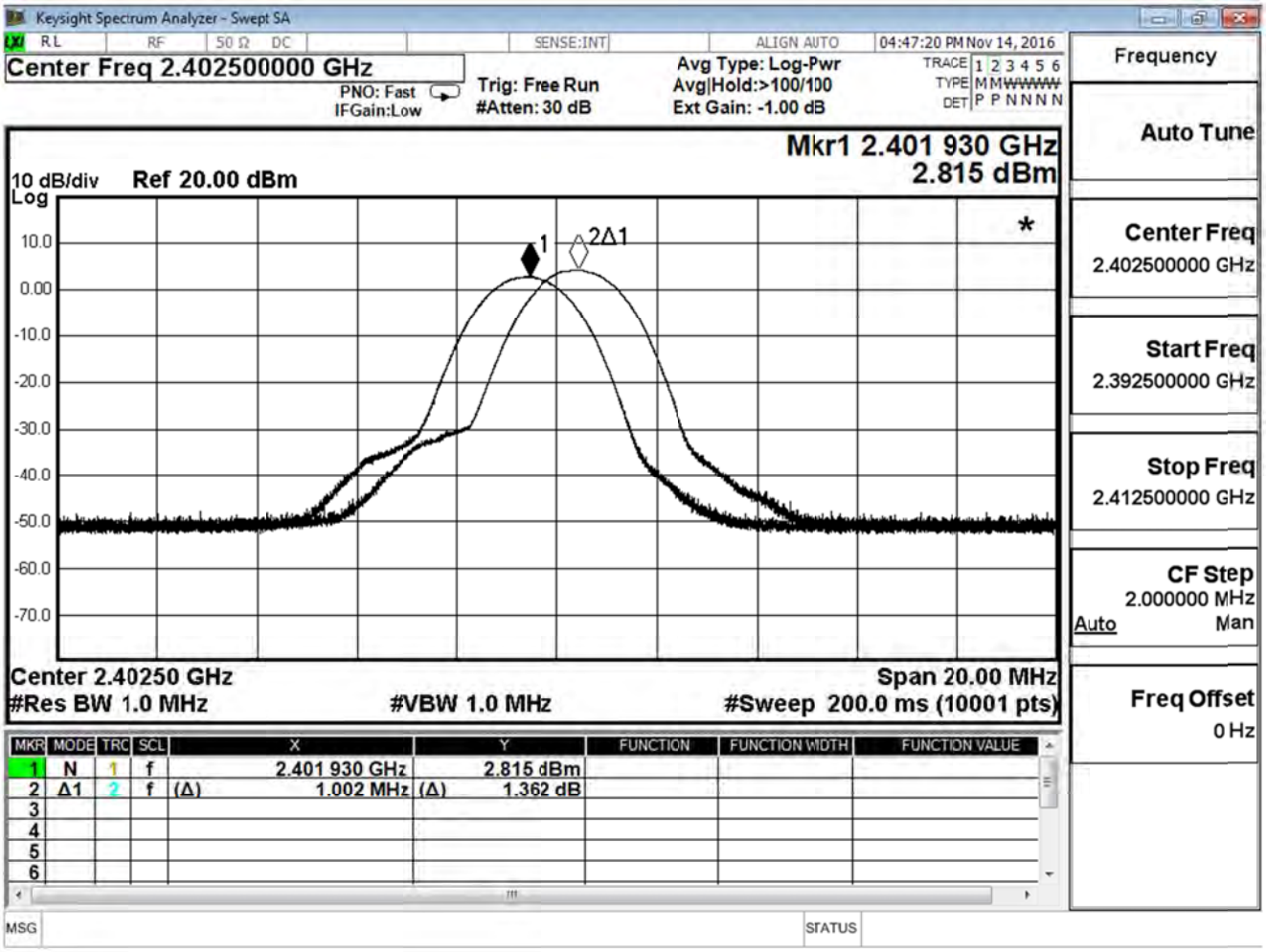

Keysight Spectrum Analyzer - Swept SA
RL
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
04:36:38 PM Nov 14, 2016
Center Freq 2.479500000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE M M W W W W
DET P P N N N N
Mkr1 2.478 756 GHz
4.349 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
1
2Δ1
*
Center 2.47950 GHz
#Res BW 1.0 MHz
#VBW 1.0 MHz
Span 20.00 MHz
#Sweep 200.0 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.478 756 GHz 4.349 dBm
2 Δ1 2 f (Δ) 1.038 MHz (Δ) 0.007 dB
3
4
5
6
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.479500000 GHz
Start Freq
2.469500000 GHz
Stop Freq
2.489500000 GHz
CF Step
2.000000 MHz
Auto
Man
Freq Offset
0 Hz

Product	Headphone		
Test Item	Carrier Frequency Separation		
Test Mode	Mode 1: Transmit Mode_DH5		
Date of Test	2016/11/14	Test Site	SR7

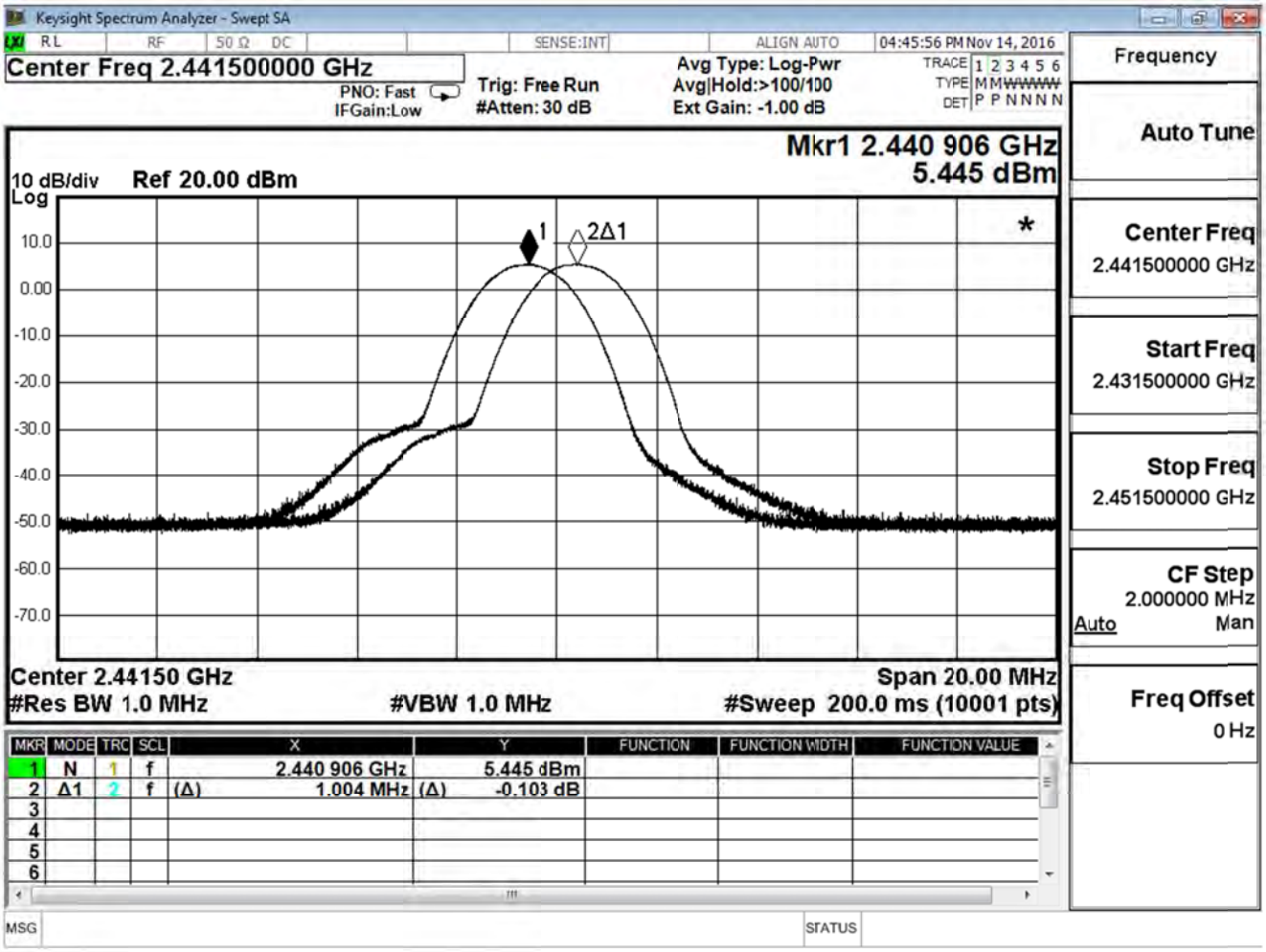
8-DPSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
00	2402	1.002	0.911	Pass
39	2441	1.004	0.912	Pass
78	2480	1.006	0.912	Pass

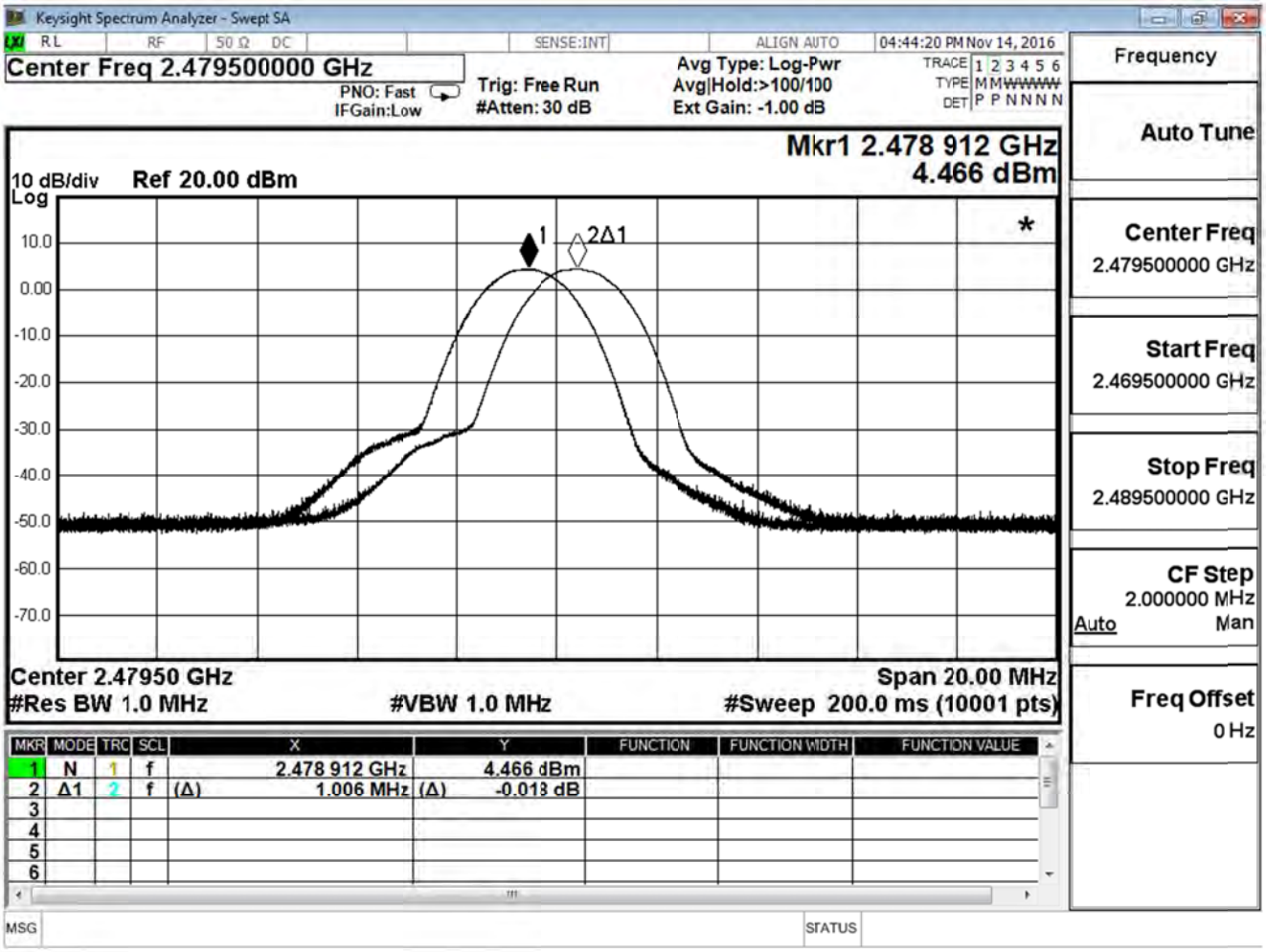
Channel 00



Channel 39


Keysight Spectrum Analyzer - Swept SA
RL
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
04:45:56 PM Nov 14, 2016
Center Freq 2.441500000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE M M W W W W
DET P P N N N N
Mkr1 2.440 906 GHz
5.445 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
1
2Δ1
*
Center 2.44150 GHz
#Res BW 1.0 MHz
#VBW 1.0 MHz
Span 20.00 MHz
#Sweep 200.0 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.440 906 GHz 5.445 dBm
2 Δ1 2 f (Δ) 1.004 MHz (Δ) -0.103 dB
3
4
5
6
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.441500000 GHz
Start Freq
2.431500000 GHz
Stop Freq
2.451500000 GHz
CF Step
2.000000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 78


Keysight Spectrum Analyzer - Swept SA
RL
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
04:44:20 PM Nov 14, 2016
Center Freq 2.479500000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE M M W W W W
DET P P N N N N
Mkr1 2.478 912 GHz
4.466 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
1
2Δ1
*
Center 2.47950 GHz
#Res BW 1.0 MHz
#VBW 1.0 MHz
Span 20.00 MHz
#Sweep 200.0 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.478 912 GHz 4.466 dBm
2 Δ1 2 f (Δ) 1.006 MHz (Δ) -0.013 dB
3
4
5
6
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.479500000 GHz
Start Freq
2.469500000 GHz
Stop Freq
2.489500000 GHz
CF Step
2.000000 MHz
Auto
Man
Freq Offset
0 Hz

9. Occupied Bandwidth

9.1. Test Equipment

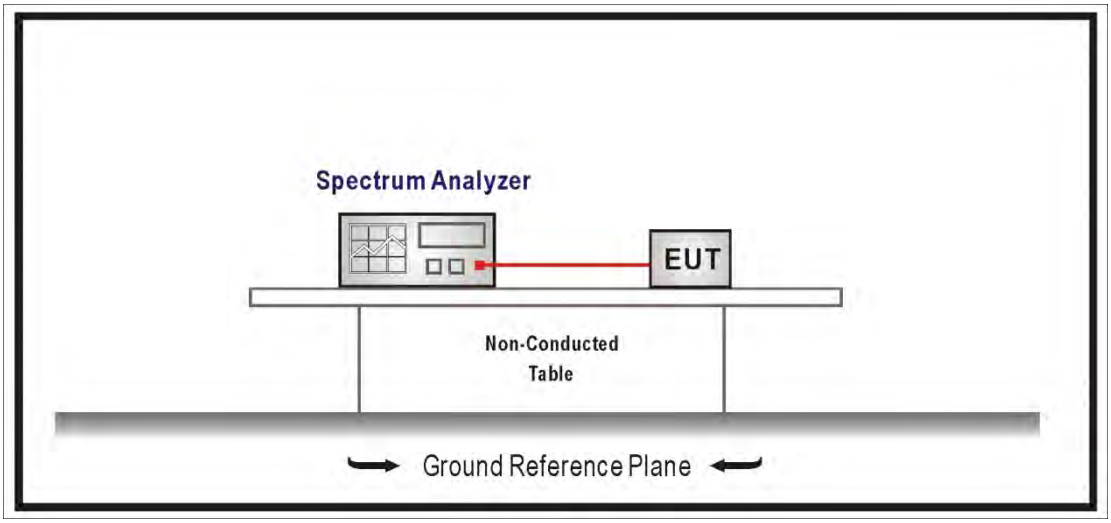
The following test equipment is used during the test:

Occupied Bandwidth / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A	US47140172	2017/08/08
Signal & Spectrum Analyzer	R&S	FSV40	101049	2017/01/05
Signal Analyzer	R&S	FSV7	101650	2017/11/15

Note: All equipments that need to calibrate are with calibration period of 1 year.

9.2. Test Setup



9.3. Limits

For frequency hopping systems operating in the 902-928 MHz band: if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 20 second period; if the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the system shall use at least 25 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 10 second period. The maximum allowed 20 dB bandwidth of the hopping channel is 500 kHz.
For frequency hopping systems operating in the 5725-5850 MHz bands. The maximum 20 dB bandwidth of the hopping channel is 1 MHz.
For 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.

9.4. Test Procedures

The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of FCC KDB 558074 D01 for compliance to FCC 47CFR 15.247 requirements
Use the following spectrum analyzer settings:
Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel
RBW ≥ 1% of the 20 dB bandwidth, VBW ≥ RBW , Sweep = auto, Detector function = peak, Trace = max hold , The EUT should be transmitting at its maximum data rate.

9.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2015

9.6. Uncertainty

The measurement uncertainty is defined as ±150Hz

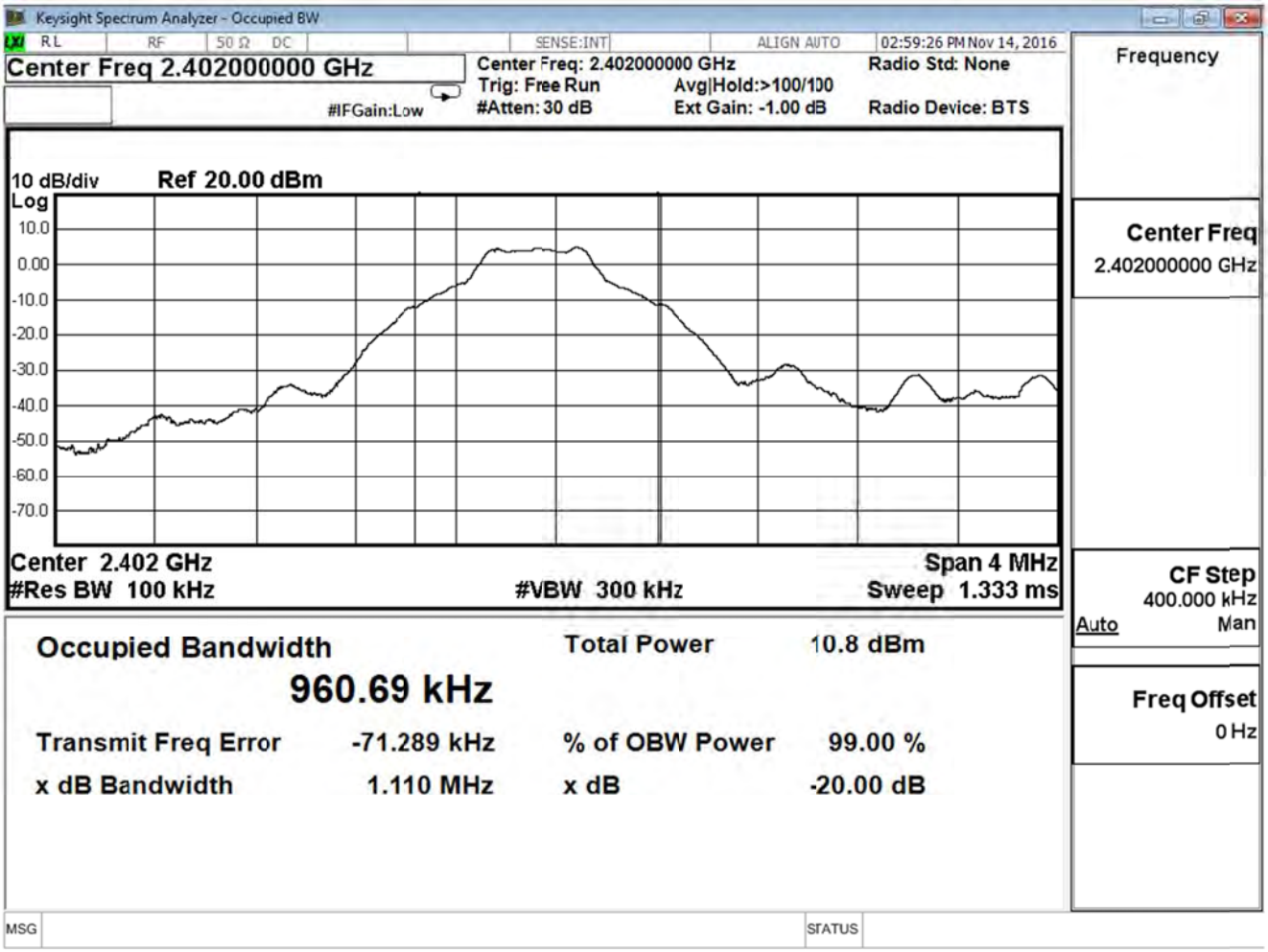
9.7. Test Result

Product	Headphone		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit Mode_DH5		
Date of Test	2016/11/14	Test Site	SR7

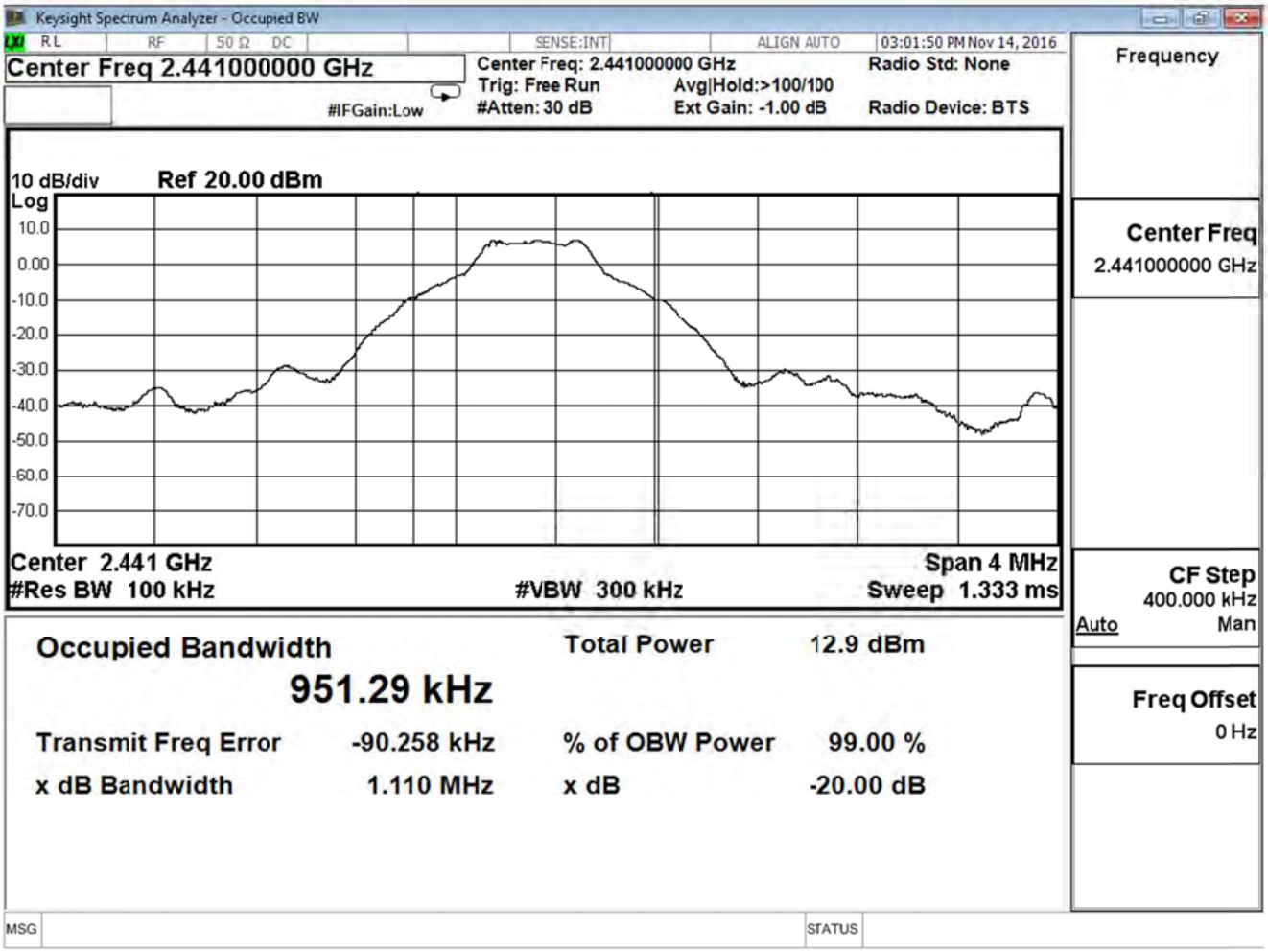
GFSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
00	2402	1.110	--	Pass
39	2441	1.110	--	Pass
78	2480	1.106	--	Pass

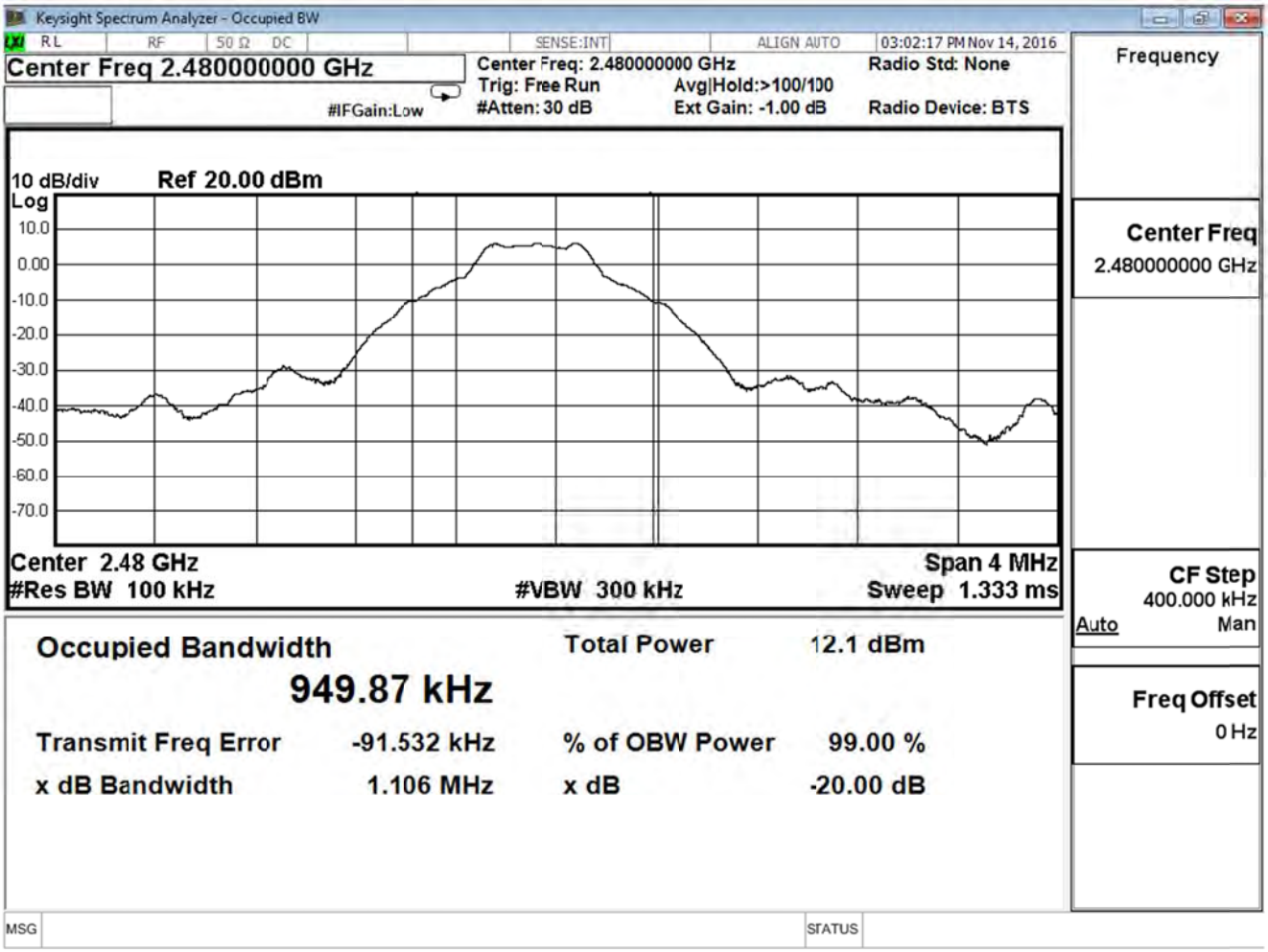
Channel 00



Channel 39


Keysight Spectrum Analyzer - Occupied BW
RL
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
03:01:50 PM Nov 14, 2016
Center Freq 2.441000000 GHz
Center Freq: 2.441000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 20.00 dBm
Log
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center Freq
2.441000000 GHz
Center 2.441 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 4 MHz
Sweep 1.333 ms
CF Step
400.000 kHz
Auto
Man
Occupied Bandwidth
951.29 kHz
Total Power
12.9 dBm
Transmit Freq Error
-90.258 kHz
% of OBW Power
99.00 %
x dB Bandwidth
1.110 MHz
x dB
-20.00 dB
Freq Offset
0 Hz
MSG
STATUS

Channel 78

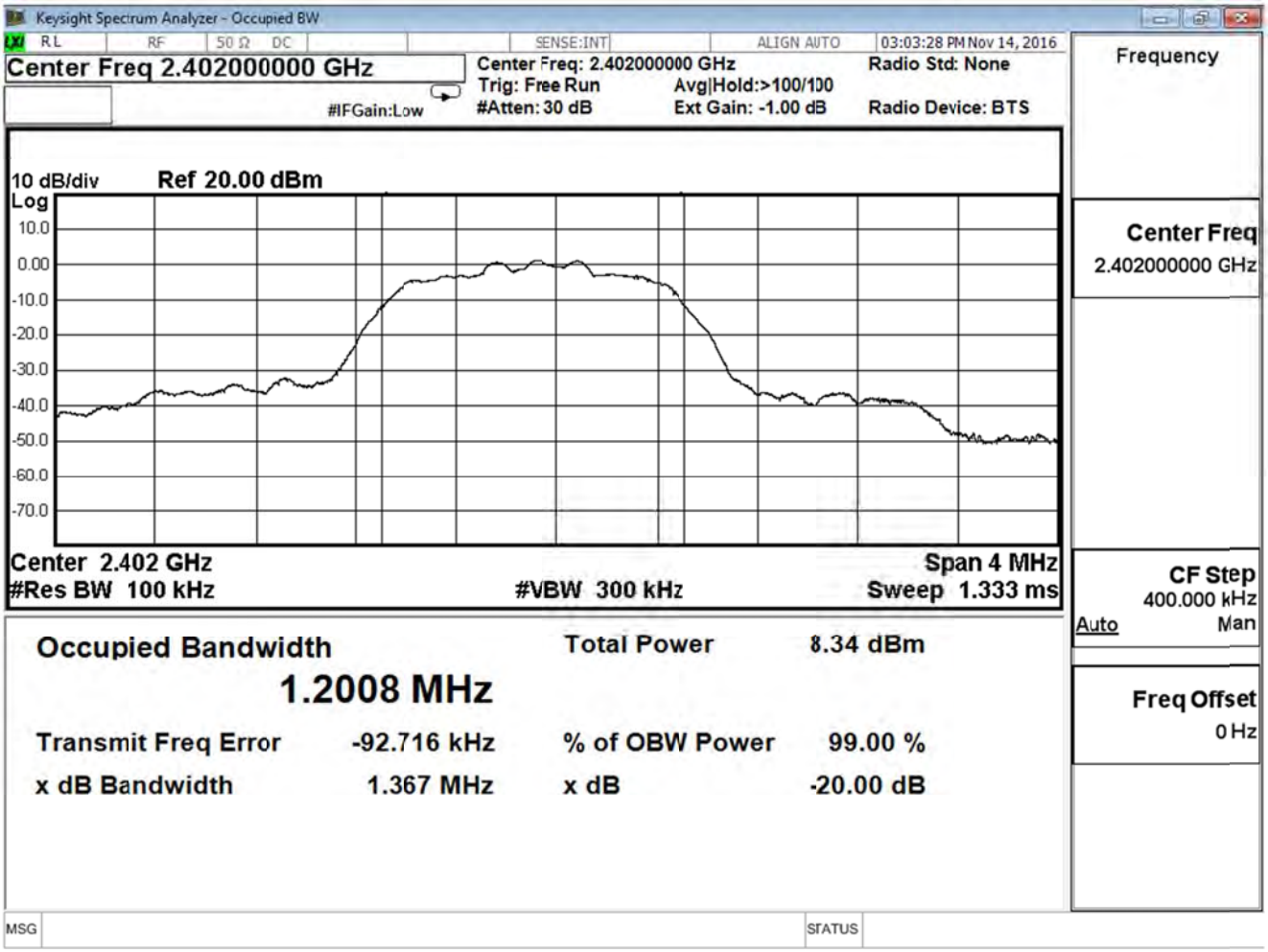

Keysight Spectrum Analyzer - Occupied BW
RL
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
03:02:17 PM Nov 14, 2016
Center Freq 2.480000000 GHz
#IFGain:Low
Center Freq: 2.480000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.48 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 4 MHz
Sweep 1.333 ms
Occupied Bandwidth
949.87 kHz
Total Power 12.1 dBm
Transmit Freq Error -91.532 kHz
% of OBW Power 99.00 %
x dB Bandwidth 1.106 MHz
x dB -20.00 dB
Center Freq
2.480000000 GHz
CF Step
400.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

Product	Headphone		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit Mode_DH5		
Date of Test	2016/11/14	Test Site	SR7

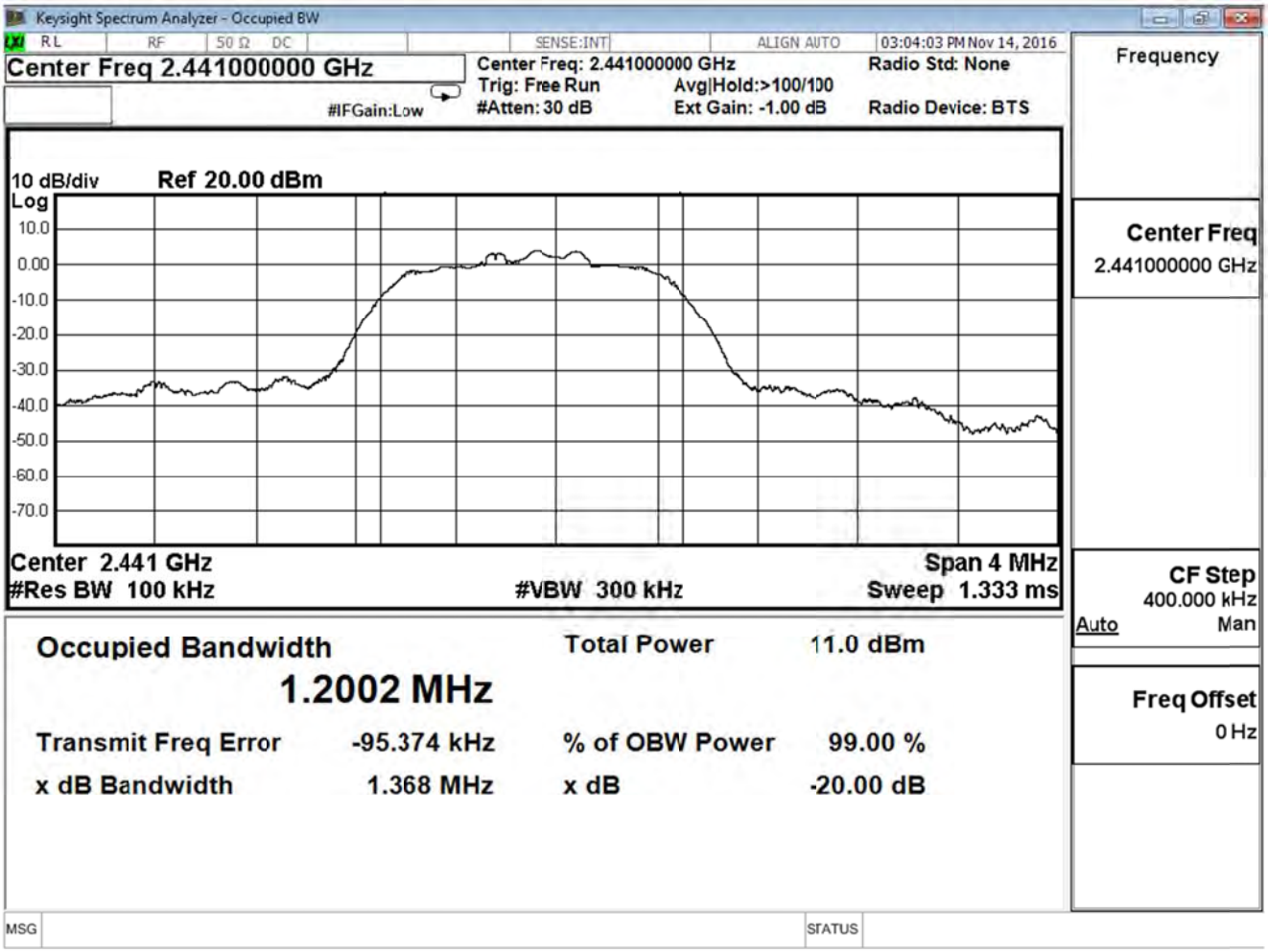
π/4-DQPSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
00	2402	1.367	--	Pass
39	2441	1.368	--	Pass
78	2480	1.364	--	Pass

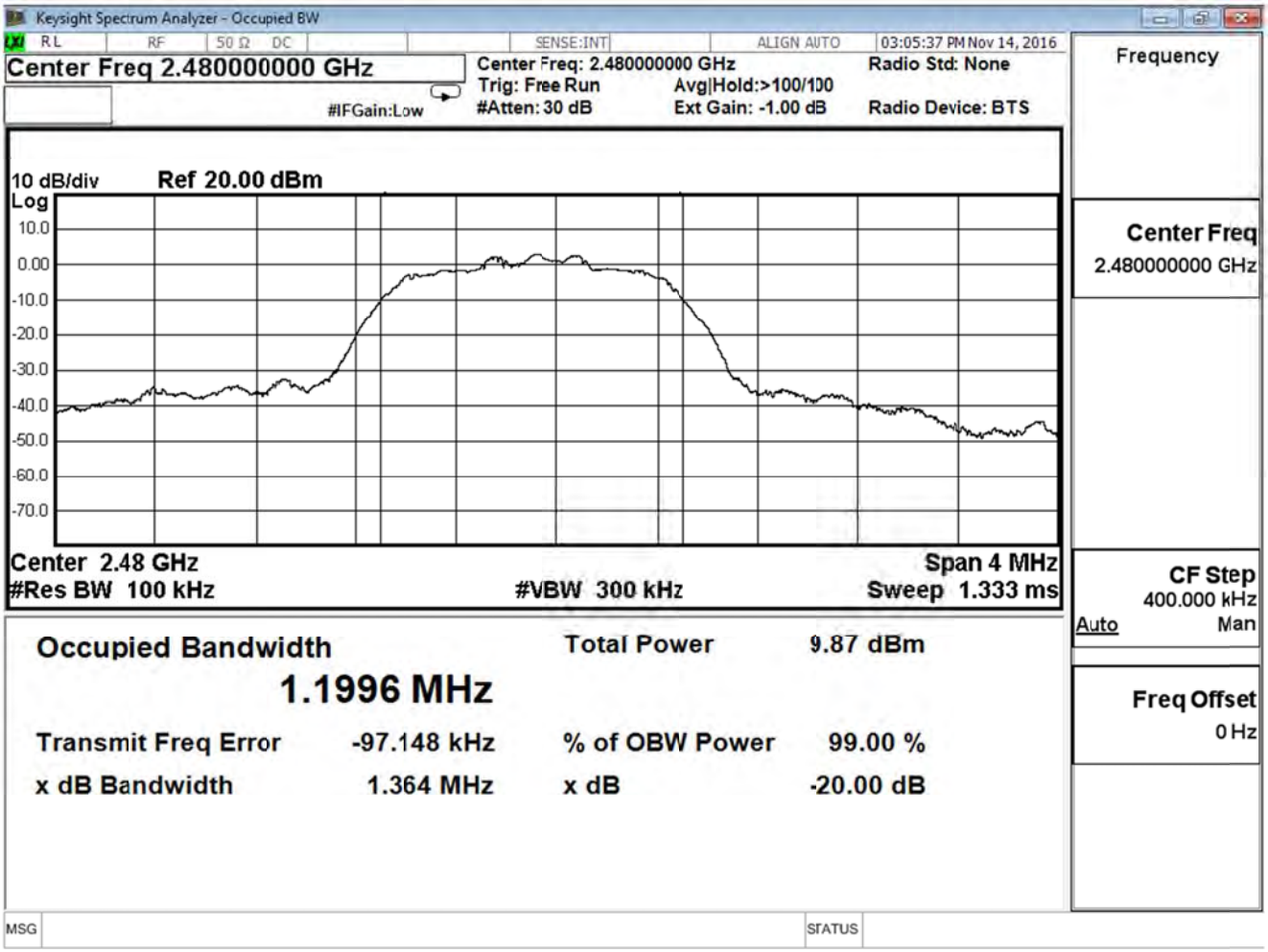
Channel 00



Channel 39


Keysight Spectrum Analyzer - Occupied BW
RL
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
03:04:03 PM Nov 14, 2016
Center Freq 2.441000000 GHz
Center Freq: 2.441000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center Freq
2.441000000 GHz
Center 2.441 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 4 MHz
Sweep 1.333 ms
CF Step
400.000 kHz
Auto
Man
Occupied Bandwidth
1.2002 MHz
Total Power
11.0 dBm
Transmit Freq Error
-95.374 kHz
% of OBW Power
99.00 %
x dB Bandwidth
1.368 MHz
x dB
-20.00 dB
Freq Offset
0 Hz
MSG
STATUS

Channel 78

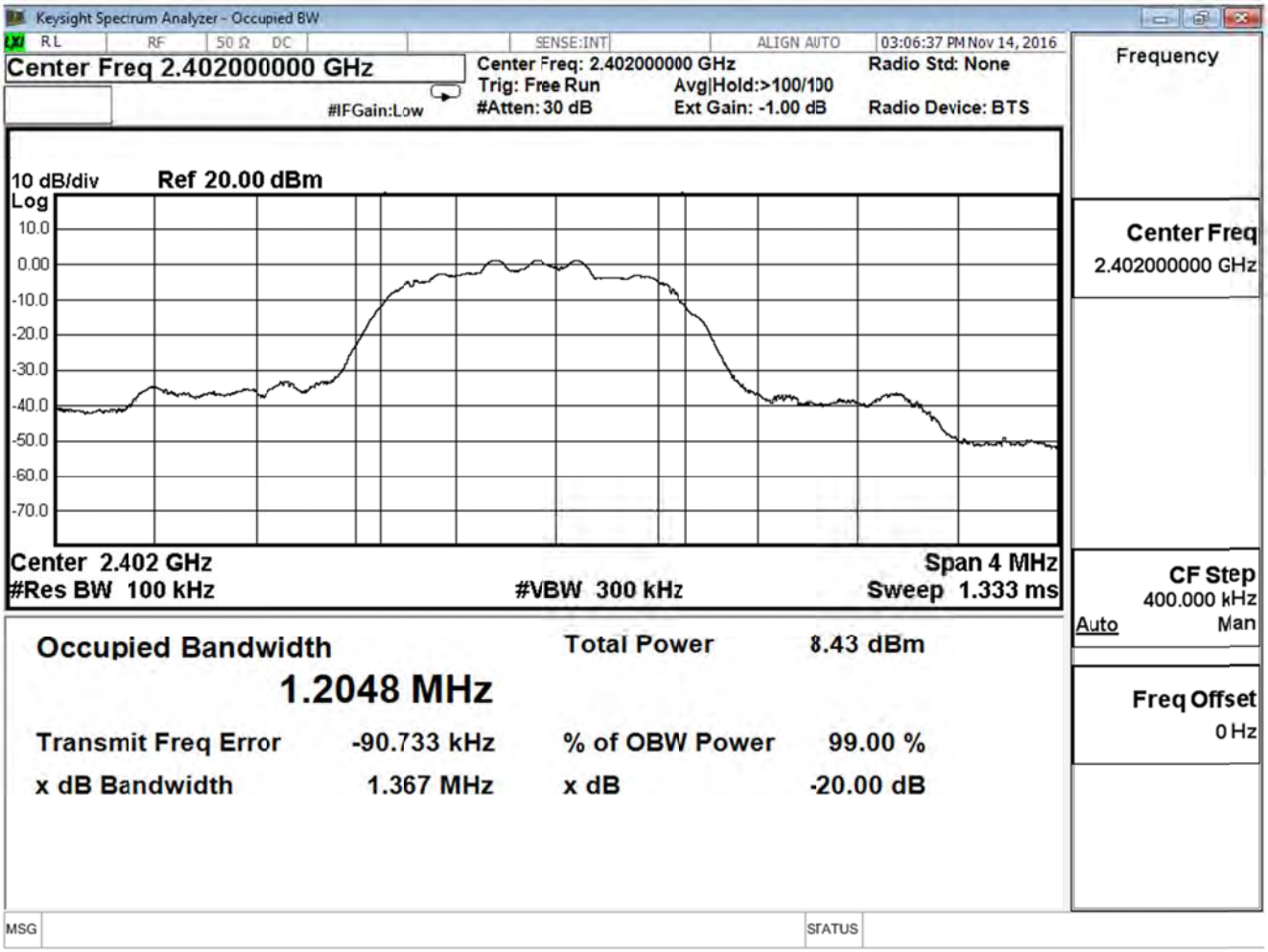

Keysight Spectrum Analyzer - Occupied BW
RL
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
03:05:37 PM Nov 14, 2016
Center Freq 2.480000000 GHz
Center Freq: 2.480000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.48 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 4 MHz
Sweep 1.333 ms
Occupied Bandwidth
1.1996 MHz
Total Power
9.87 dBm
Transmit Freq Error
-97.148 kHz
% of OBW Power
99.00 %
x dB Bandwidth
1.364 MHz
x dB
-20.00 dB
Center Freq
2.480000000 GHz
CF Step
400.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

Product	Headphone		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit Mode_DH5		
Date of Test	2016/11/14	Test Site	SR7

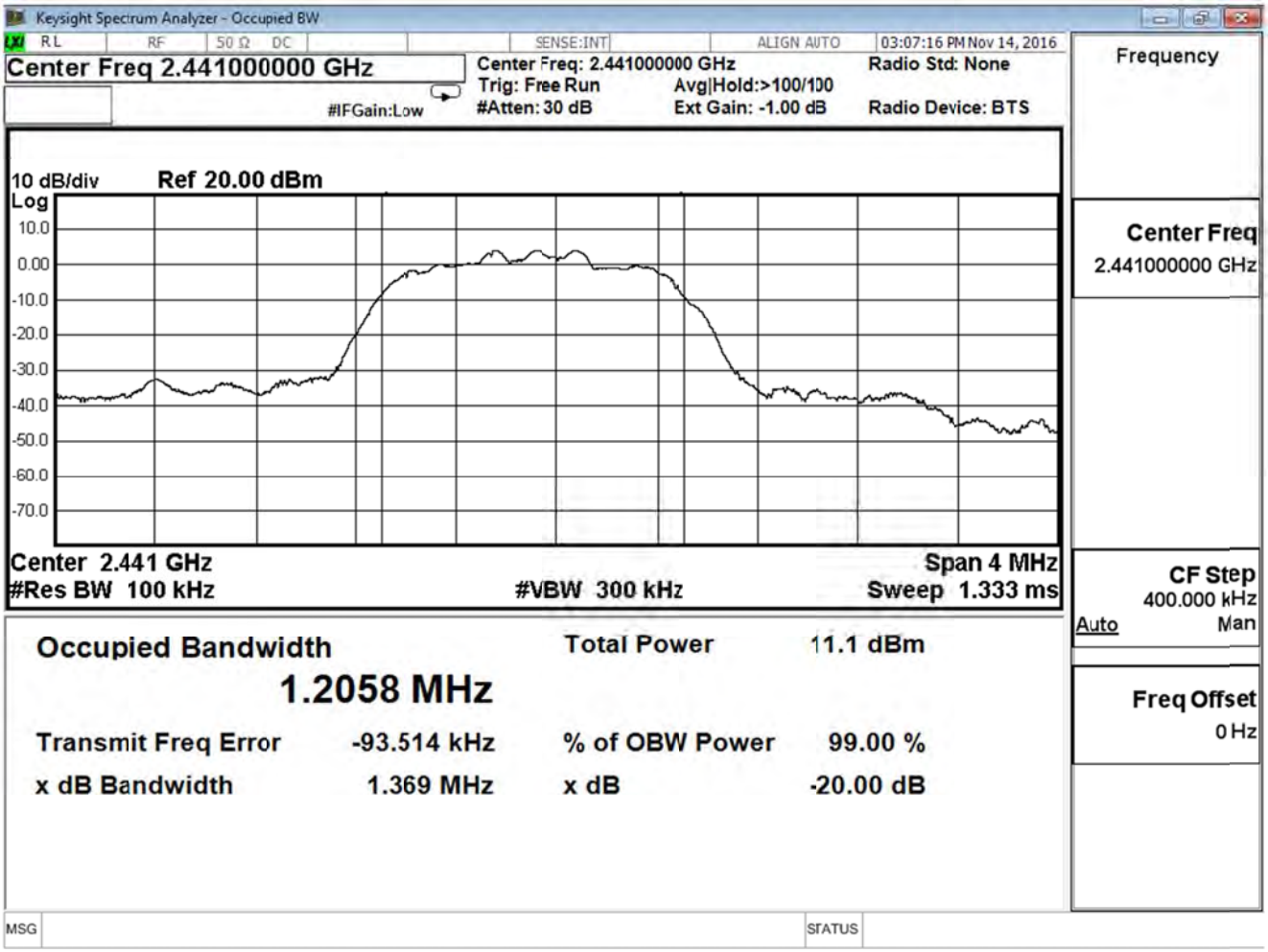
8-DPSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
00	2402	1.367	--	Pass
39	2441	1.369	--	Pass
78	2480	1.369	--	Pass

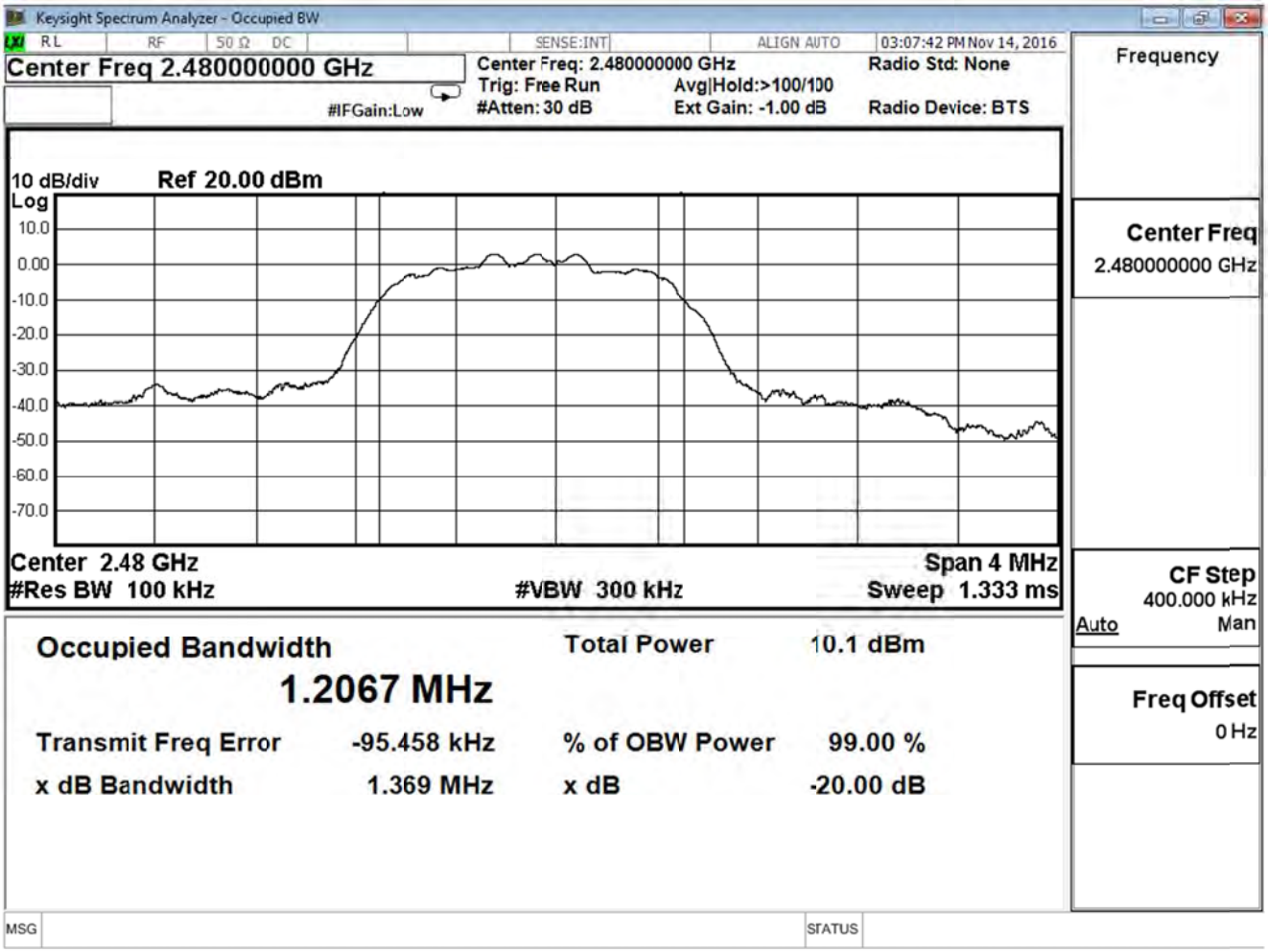
Channel 00



Channel 39


Keysight Spectrum Analyzer - Occupied BW
RL
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
03:07:16 PM Nov 14, 2016
Center Freq 2.441000000 GHz
Center Freq: 2.441000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center Freq
2.441000000 GHz
Center 2.441 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 4 MHz
Sweep 1.333 ms
CF Step
400.000 kHz
Auto
Man
Occupied Bandwidth
1.2058 MHz
Total Power
11.1 dBm
Transmit Freq Error
-93.514 kHz
% of OBW Power
99.00 %
x dB Bandwidth
1.369 MHz
x dB
-20.00 dB
Freq Offset
0 Hz
MSG
STATUS

Channel 78


Keysight Spectrum Analyzer - Occupied BW
RL
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
03:07:42 PM Nov 14, 2016
Center Freq 2.480000000 GHz
Center Freq: 2.480000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center Freq
2.480000000 GHz
Center 2.48 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 4 MHz
Sweep 1.333 ms
CF Step
400.000 kHz
Auto
Man
Occupied Bandwidth
1.2067 MHz
Total Power
10.1 dBm
Transmit Freq Error
-95.458 kHz
% of OBW Power
99.00 %
x dB Bandwidth
1.369 MHz
x dB
-20.00 dB
Freq Offset
0 Hz
MSG
STATUS

10. Dwell Time

10.1. Test Equipment

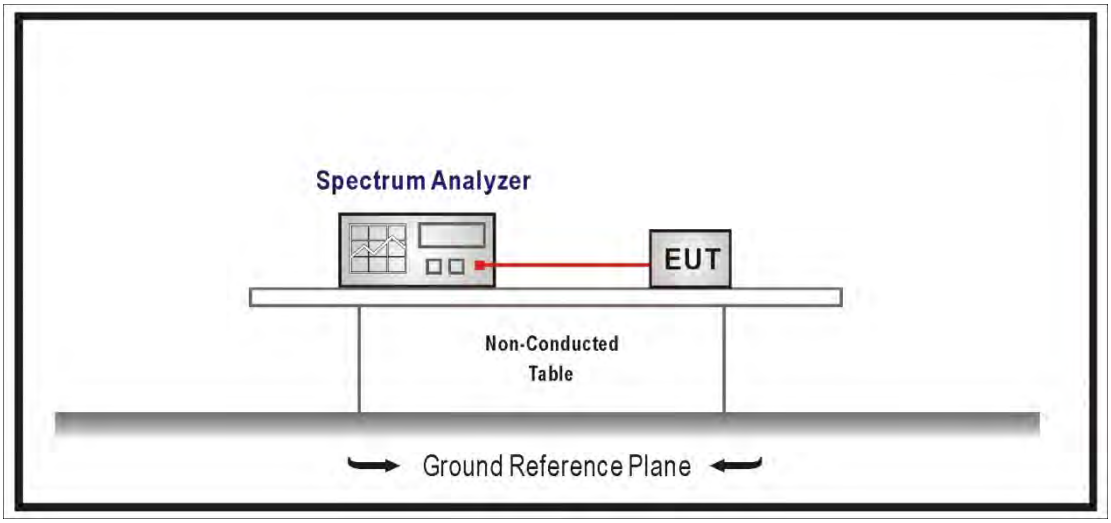
The following test equipment is used during the test:

Dwell Time / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A	US47140172	2017/08/08
Signal & Spectrum Analyzer	R&S	FSV40	101049	2017/01/05
Signal Analyzer	R&S	FSV7	101650	2017/11/15

Note: All equipments that need to calibrate are with calibration period of 1 year.

10.2. Test Setup



10.3. Limits

For frequency hopping systems operating in the 902-928 MHz band: if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 20 second period; if the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the system shall use at least 25 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 10 second period.
For frequency hopping systems operating in the 2400-2483.5 MHz bands. 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.
For frequency hopping systems operating in the 5725-5850 MHz bands. The average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 30 second period.

10.4. Test Procedures

The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of FCC KDB 558074 D01 for compliance to FCC 47CFR 15.247 requirements
Span = zero span, centered on a hopping channel , RBW = 1 MHz, VBW ≥ RBW ,
Sweep = as necessary to capture the entire dwell time per hopping channel ,
Detector function = peak, Trace = max hold.

10.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2015

10.6. Test Result

Product	Headphone		
Test Item	Dwell Time		
Test Mode	Mode 1: Transmit Mode_DH5		
Date of Test	2016/11/14	Test Site	SR7

GFSK, DH5

Occupancy Time of Frequency Hopping System

A) 2402MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 2.918ms = 0.002918 sec

Dwell Time : 0.002918 *(266.67/79)* 31.60=0.311 sec。

B) 2441MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 2.908ms = 0.002908 sec

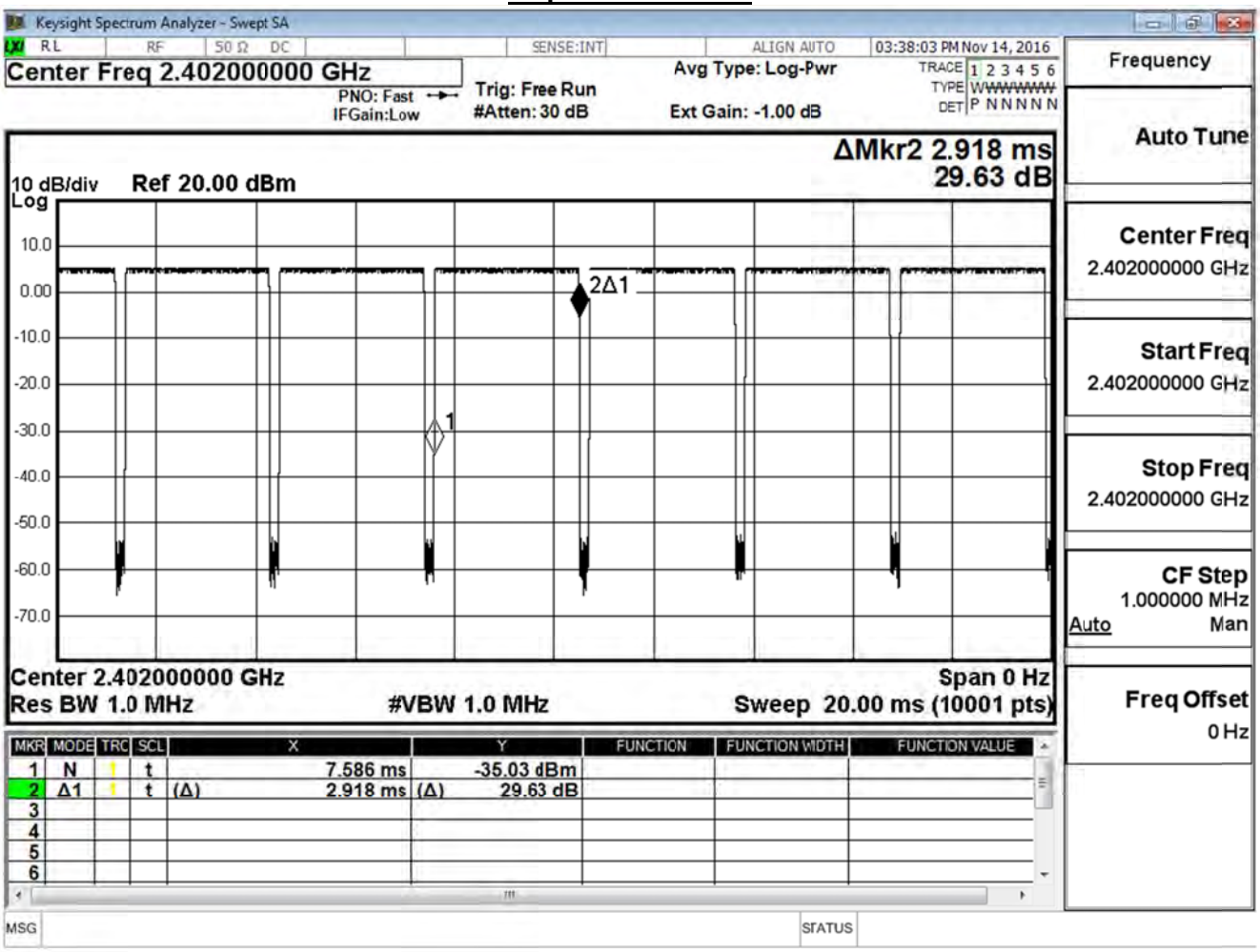
Dwell Time : 0.002908 *(266.67/79)* 31.60=0.310 sec。

C) 2480MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 2.906ms = 0.002906 sec

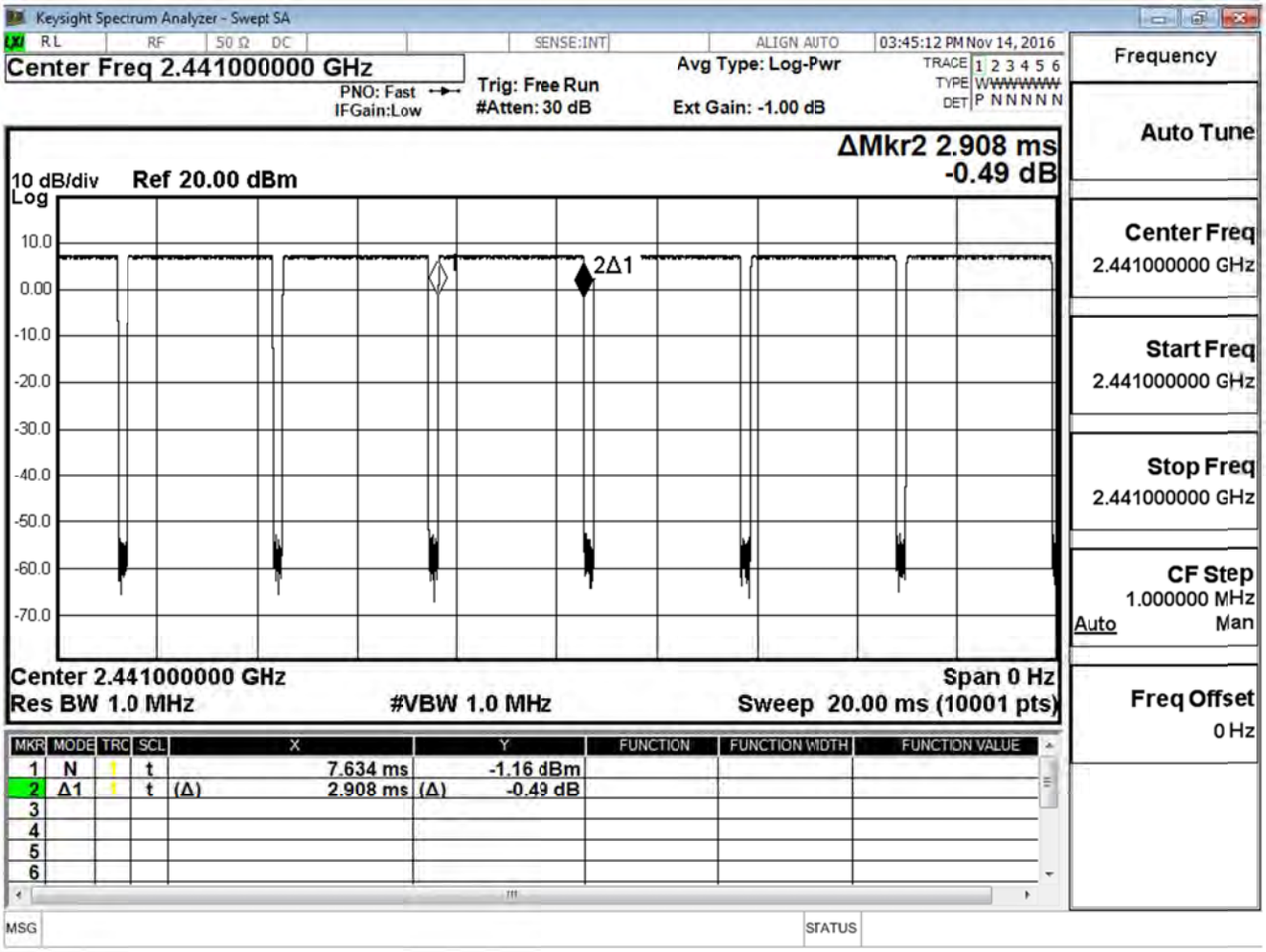
Dwell Time : 0.002906 *(266.67/79)* 31.60=0.310 sec。

Test Result: The Average Occupancy Time of Each Highest，Middle and Lowest Channel Is Less Than 0.4sec，And Corresponds to The Standard。

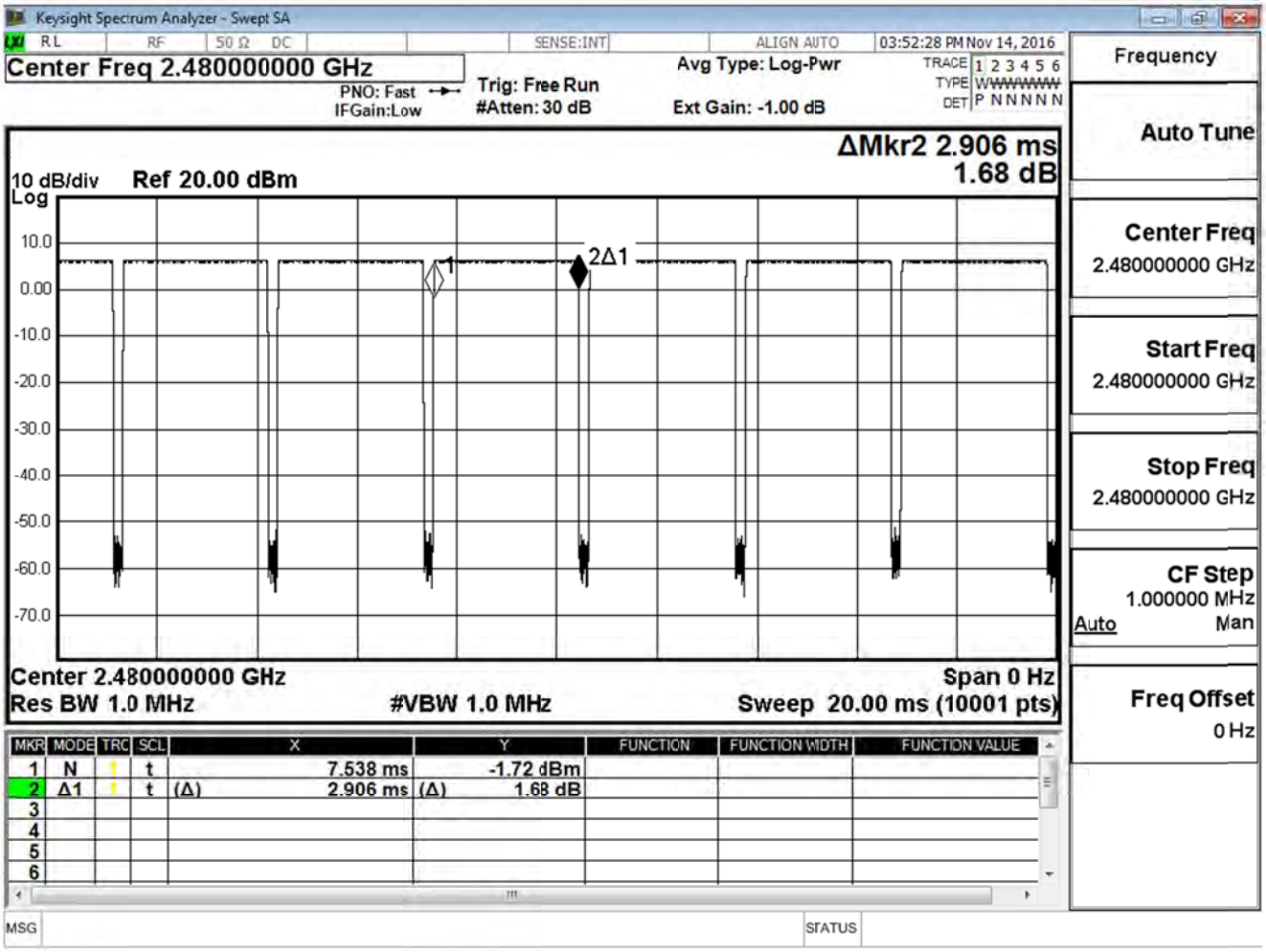
Hop rate-2402MHz



Hop rate-2441MHz



Hop rate-2480MHz



Note: Dwell time＝time slot length * hop rate / number of hopping channels * period

Product	Headphone		
Test Item	Dwell Time		
Test Mode	Mode 1: Transmit Mode_DH5		
Date of Test	2016/11/14	Test Site	SR7

π/4-DQPSK, 2DH5

Occupancy Time of Frequency Hopping System

A) 2402MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 2.926ms = 0.002926 sec

Dwell Time : 0.002926 *(266.67/79)* 31.60=0.312 sec。

B) 2441MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 2.926ms = 0.002926 sec

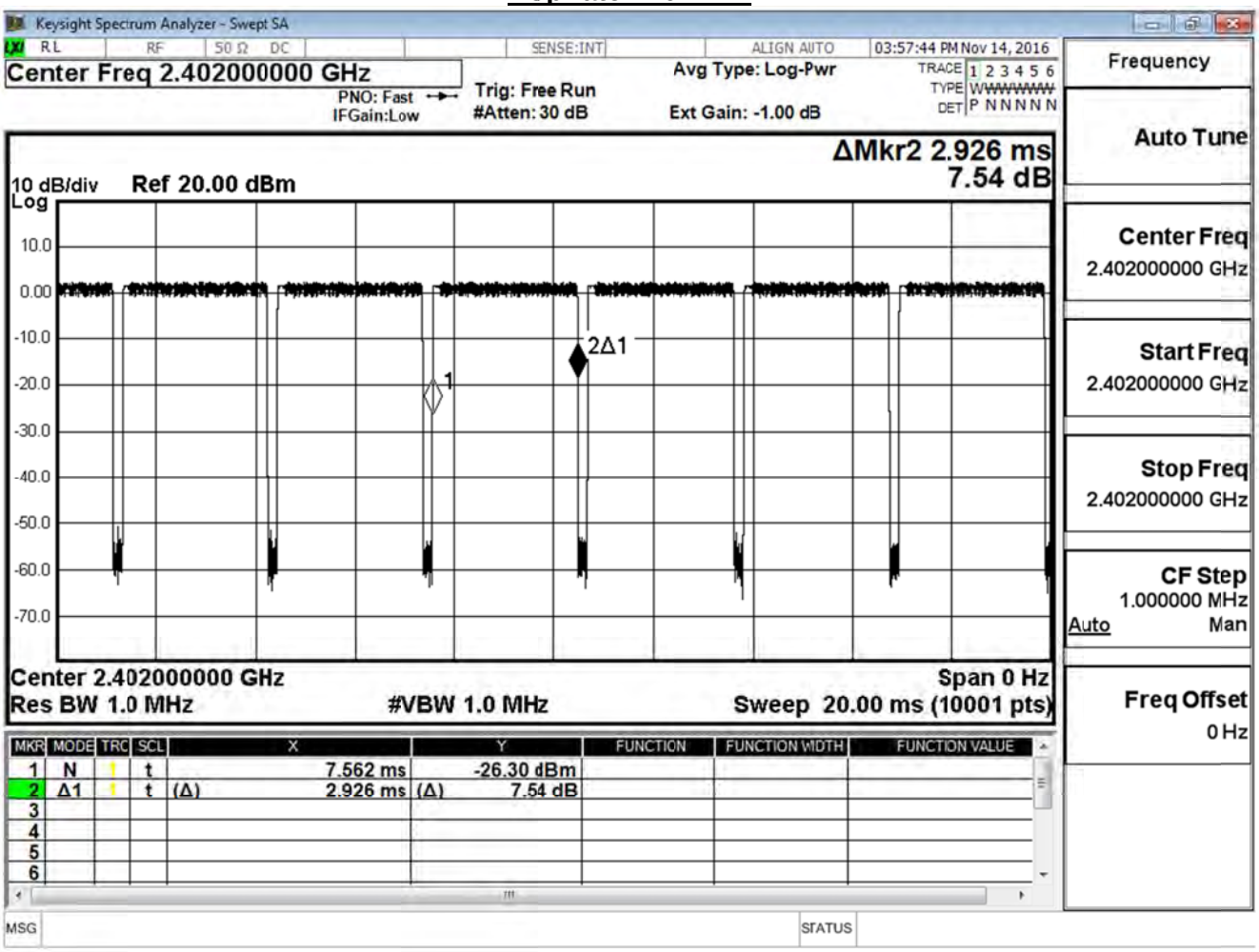
Dwell Time : 0.002926 *(266.67/79)* 31.60=0.312 sec。

C) 2480MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 2.914ms = 0.002914 sec

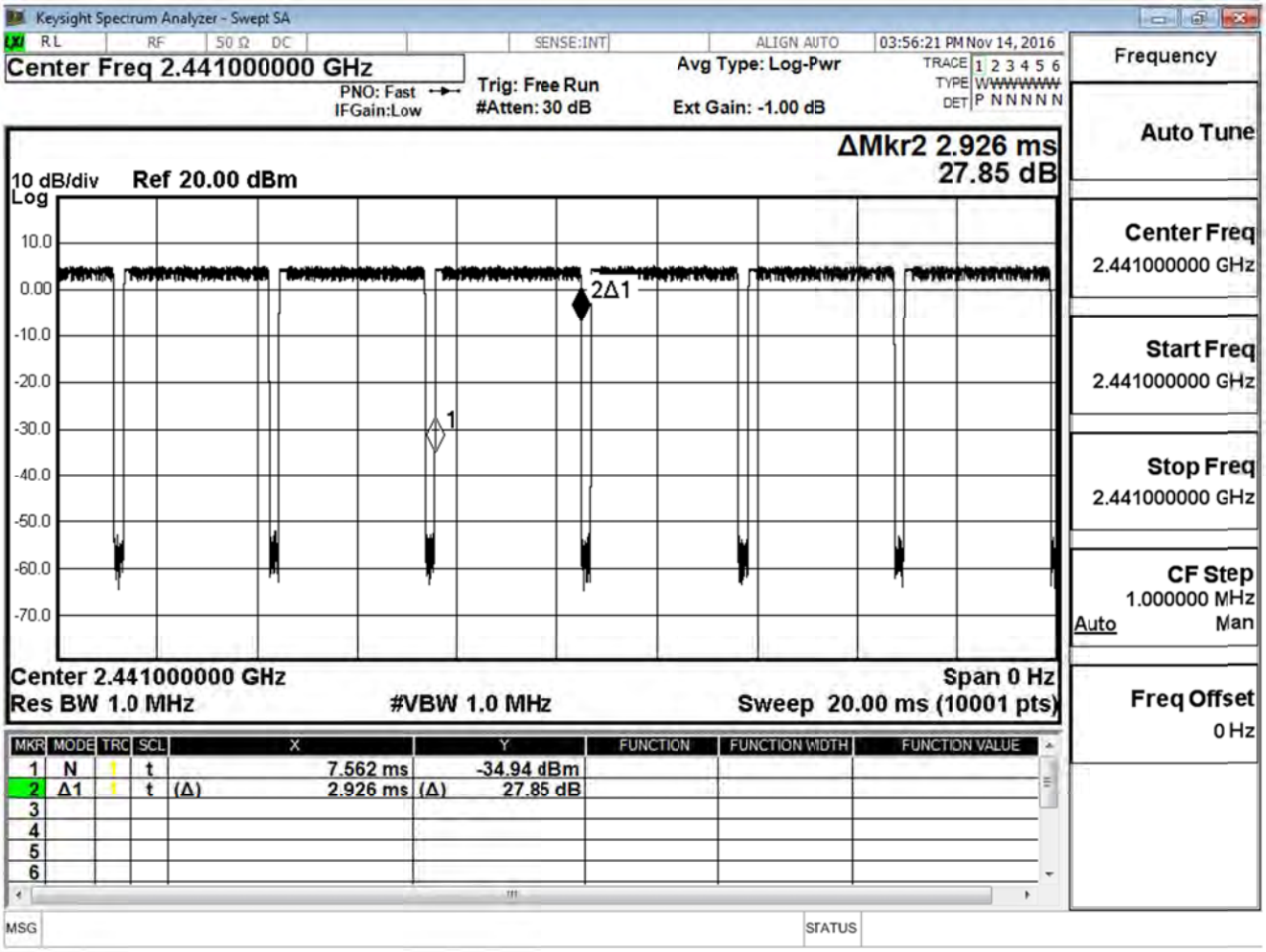
Dwell Time : 0.002914 *(266.67/79)* 31.60=0.316 sec。

Test Result: The Average Occupancy Time of Each Highest，Middle and Lowest Channel Is Less Than 0.4sec，And Corresponds to The Standard。

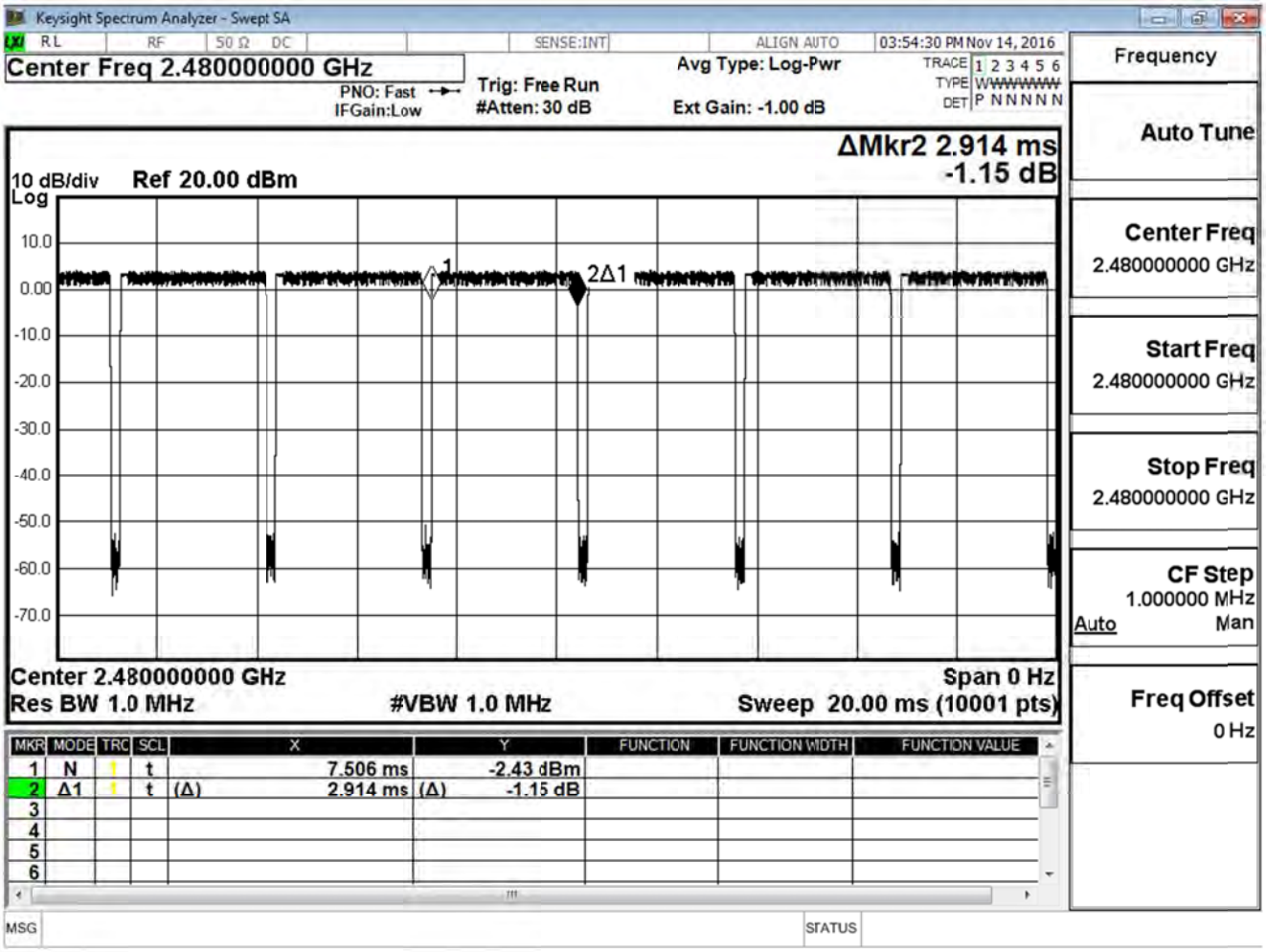
Hop rate-2402MHz



Hop rate-2441MHz



Hop rate-2480MHz



Note: Dwell time＝time slot length * hop rate / number of hopping channels * period

Product	Headphone		
Test Item	Dwell Time		
Test Mode	Mode 1: Transmit Mode_DH5		
Date of Test	2016/11/14	Test Site	SR7

8-DPSK, 3DH5

Occupancy Time of Frequency Hopping System

A) 2402MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 2.914ms = 0.002914 sec

Dwell Time : 0.002914 *(266.67/79)* 31.60=0.311 sec。

B) 2441MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 2.916ms = 0.002916 sec

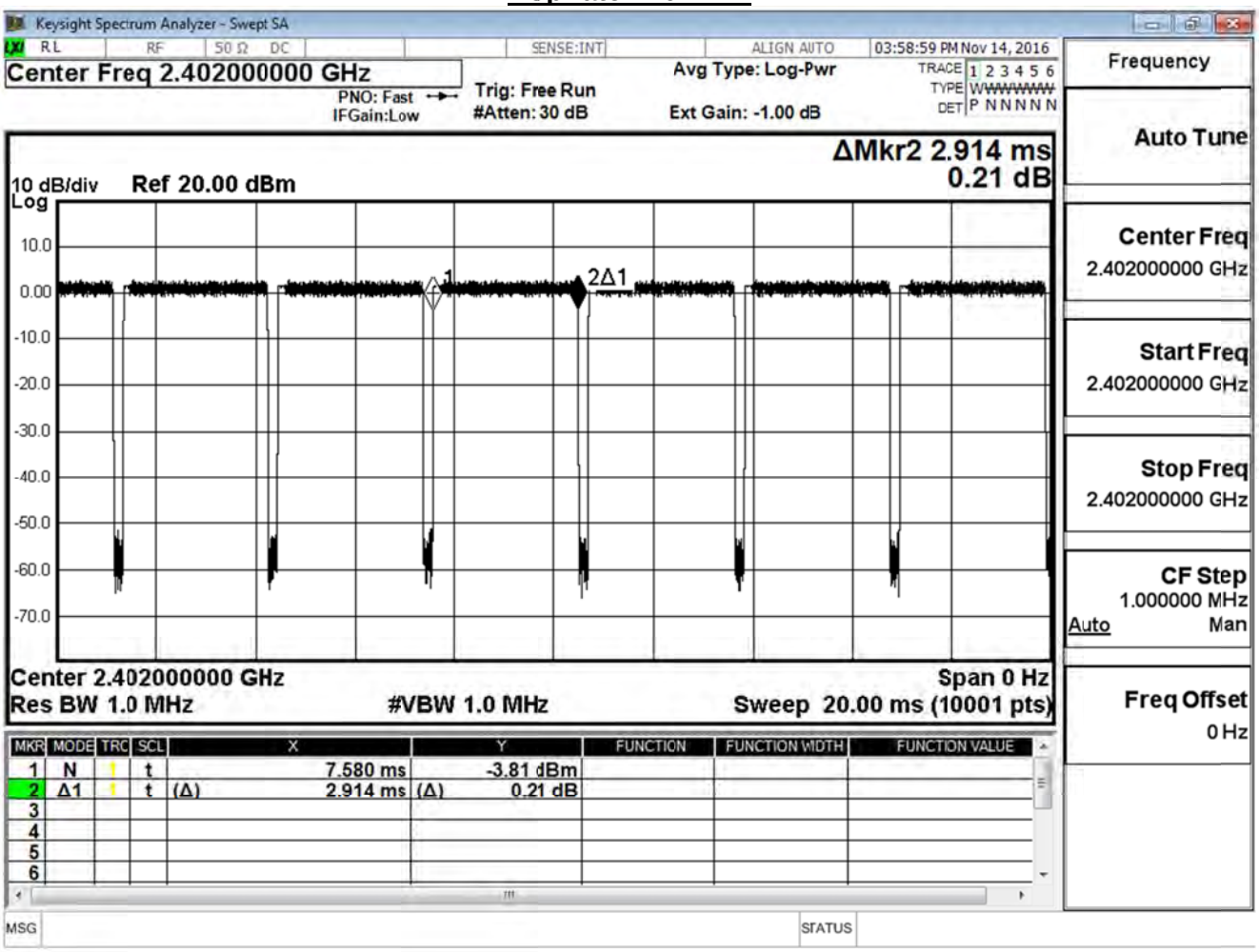
Dwell Time : 0.002916 *(266.67/79)* 31.60=0.311 sec。

C) 2480MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 2.924ms = 0.002924 sec

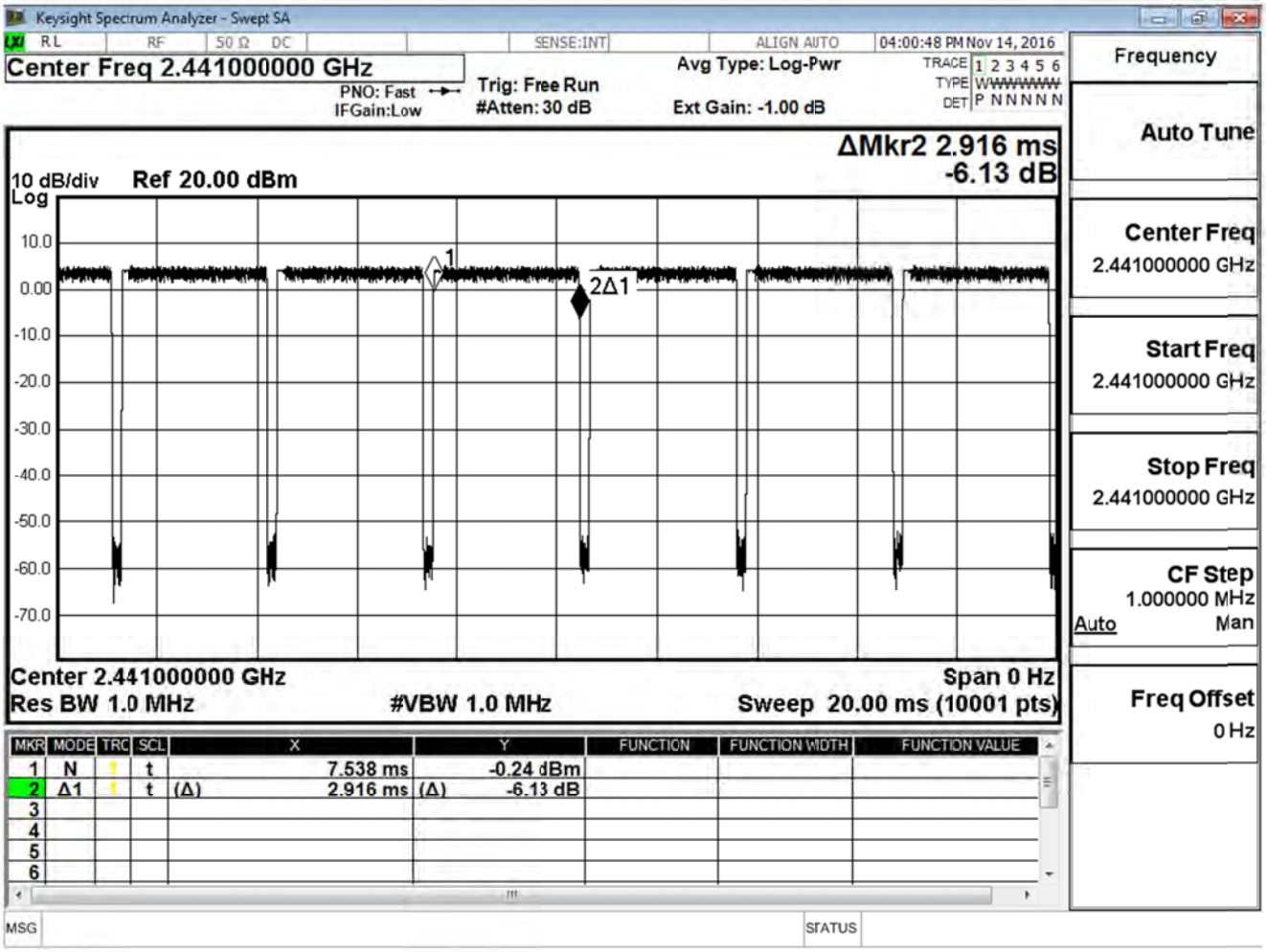
Dwell Time : 0.002924 *(266.67/79)* 31.60=0.311 sec。

Test Result: The Average Occupancy Time of Each Highest，Middle and Lowest Channel Is Less Than 0.4sec，And Corresponds to The Standard。

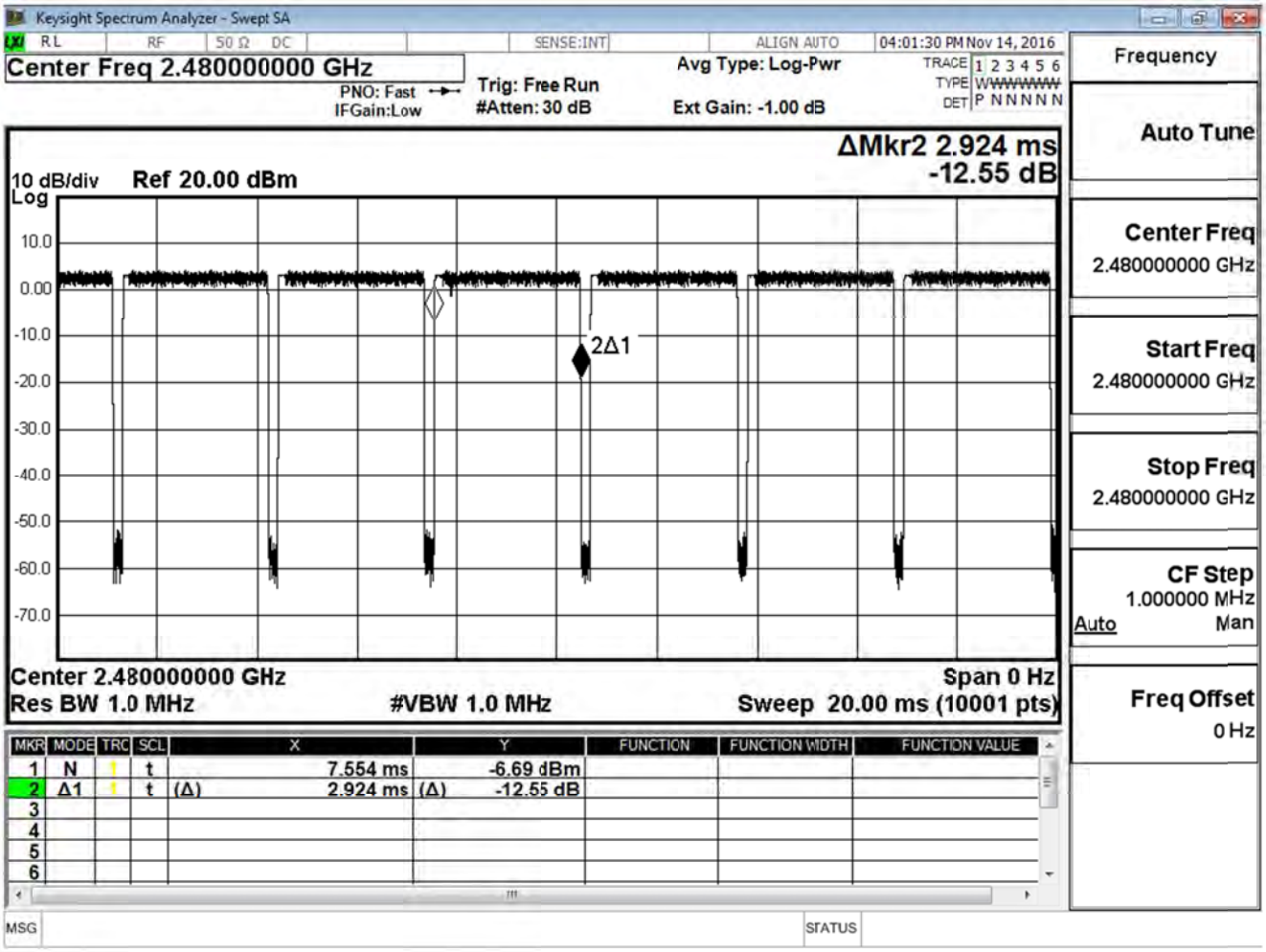
Hop rate-2402MHz



Hop rate-2441MHz



Hop rate-2480MHz



Note: Dwell time＝time slot length * hop rate / number of hopping channels * period