

FCC Test Report

Product Name : Lyra
Trade Name : ASUS
Model No. : MAP-AC2200
FCC ID. : MSQ-RTACBX00

Applicant : ASUSTeK COMPUTER INC.

Address : 4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan

Date of Receipt : Mar. 06, 2017
Issued Date : May 10, 2017
Report No. : 1730116R-RFUSP01V00
Report Version : V1.0



The test results relate only to the samples tested.

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Test Report Certification

Issued Date : May 10, 2017

Report No. : 1730116R-RFUSP01V00



Product Name : Lyra
Applicant : ASUSTeK COMPUTER INC.
Address : 4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan
Manufacturer : ASUSTeK COMPUTER INC.
Model No. : MAP-AC2200
FCC ID. : MSQ-RTACBX00
EUT Voltage : AC 100-240V, 50-60Hz
Testing Voltage : AC 120V/60Hz
Trade Name : ASUS
Applicable Standard : FCC CFR Title 47 Part 15 Subpart C Section 15.247: 2015
Test Result : Complied
Laboratory Name : Hsin Chu Laboratory
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Documented By :



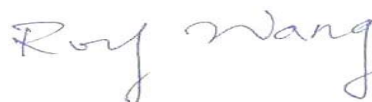
(Demi Chang / Senior Engineering Adm. Specialist)

Tested By :



(Clemens Fang / Engineer)

Approved By :



(Roy Wang / Director)

Revision History

Report No.	Version	Description	Issued Date
1730116R-RFUSP01V00	V1.0	Initial issue of report	May 10, 2017

Laboratory Information

We, **DEKRA Testing and Certification Co., Ltd.**, 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: 22397-1 / 22397-2 / 22397-3

The related certificate for our laboratories about the test site and management system can be downloaded from DEKRA Testing and Certification Co., Ltd. Web Site:

<http://www.dekra.com.tw/english/about/certificates.aspx?bval=5>

The address and introduction of DEKRA Testing and Certification Co., Ltd. laboratories can be founded in our Web site : http://www.dekra.com.tw/index_en.aspx

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

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1. General Information

1.1. EUT Description

Product Name	Lyra
Trade Name	ASUS
Model No.	MAP-AC2200
Frequency Range/Channel Number	2402~2480MHz / 79 Channels
Type of Modulation	GFSK, $\pi/4$ -DQPSK, 8-DPSK

Antenna Information	
Antenna Type	PCB Antenna
Antenna Gain	ANT0: 0.97dBi

Accessories Information	
LAN Cable	Non-Shielded, 2m
Power Adapter	ASUS, AD2055320 I/P: 100-240V~50/60Hz, 0.6A O/P: 12V $\equiv$ 2.0A Cable Out: Non-Shielded, 2.2m
Power Adapter	ASUS, ADP-24EW B I/P: 100-240V ~50-60Hz, 0.9A O/P: 12V $\equiv$ 2.0A Cable Out: Non-Shielded, 2.2m

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 a Lyra including 2.4GHz b/g/n (2x2), BT2.0, BT4.0 and 5GHz a/n/ac (2x2) transmitting and receiving function.
2. 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.
3. This device is a composite device in accordance with Part 15 regulations. The receiving function was tested and its number is 1730116R-RFUSP12V00.

1.2. Test Mode

DEKRA 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:

Test Mode	
TX	Mode 1: Tx-AD2055320 Mode 2: Tx-ADP-24EW B

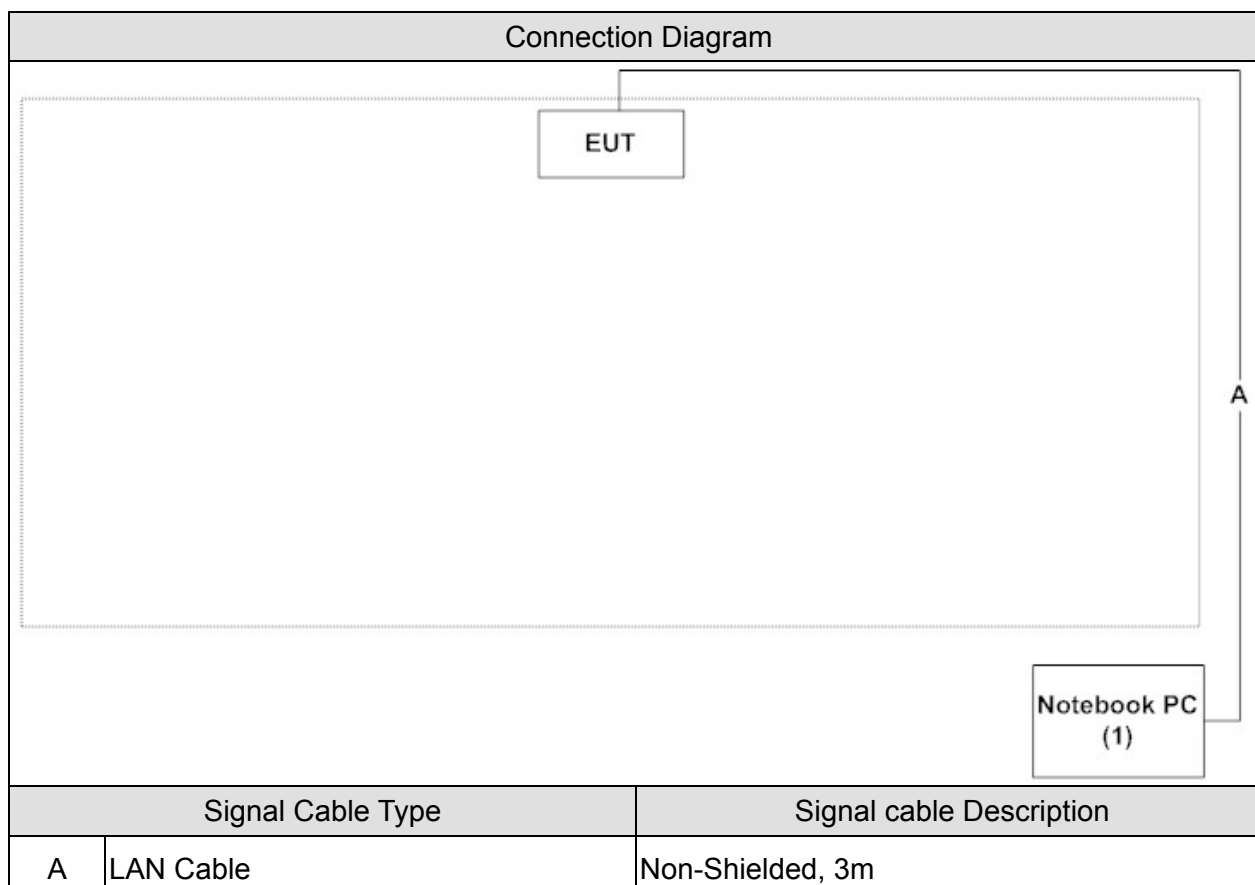
Emission	Mode 1	Mode 2
Conducted Emission	Yes	Yes
Peak Power Output	Yes	No
Radiated Emission	Yes	Yes
RF antenna conducted test	Yes	No
Band Edge	Yes	No
Number of hopping Frequency	Yes	No
Carrier Frequency Separation	Yes	No
Occupied Bandwidth	Yes	No
Dwell Time	Yes	No

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	X522EP	E5N0CV04 3264197	DoC	Non-Shielded, 1.8m, one ferrite core bonded

1.4. Configuration of tested System



1.5. EUT Exercise Software

1	Setup the EUT as shown in Section 1.4.
2	Execute the test command.
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	Test Site
Temperature (°C)	FCC PART 15 C 15.207 Conducted Emission (FHSS)	15 - 35	23	3
Humidity (%RH)		25 - 75	50	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 Peak Power Output (FHSS)	15 - 35	24	3
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	2
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	2
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	3
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	3
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	3
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	3
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	3
Humidity (%RH)		25 - 75	45	
Barometric pressure (mbar)		860 - 1060	950-1000	

Note: Test site information refers to Laboratory Information.

2. Conducted Emission

2.1. Test Equipment

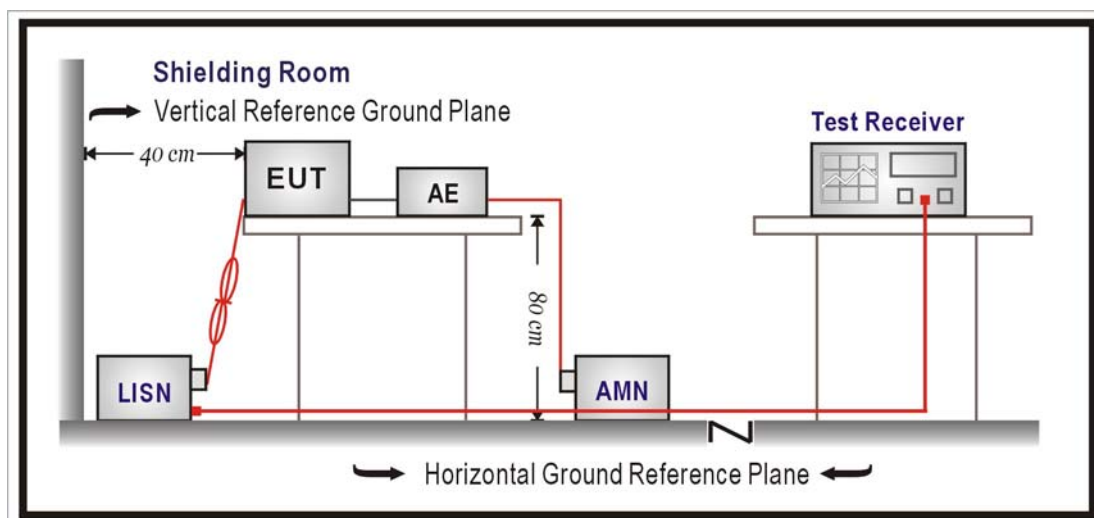
The following test equipment's are used during the test:

Conducted Emission / SR2-H

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Artificial Mains Network	R&S	ENV4200	848411/010	2018/02/05
LISN	R&S	ENV216	100092	2017/08/16
Test Receiver	R&S	ESCS 30	836858/022	2018/04/11

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 C63.10:2009 on conducted measurement.

Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

2.5. Test Specification

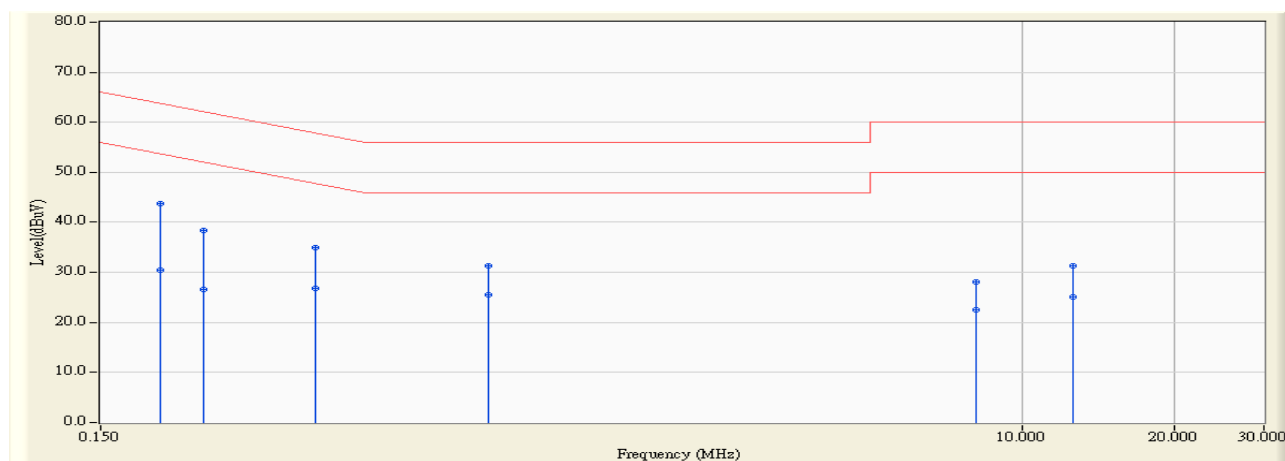
According to FCC Part 15 Subpart C Paragraph 15.207: 2015

2.6. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

2.7. Test Result

Site : SR2-H	Time : 2017/04/11
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR2_LISN(16A)-6_0712 - Line1	Power : AC120V/60Hz
EUT : Lyra	Note : 802.15.1_3DH5_2441MHz Mode 1: Tx-AD2055320

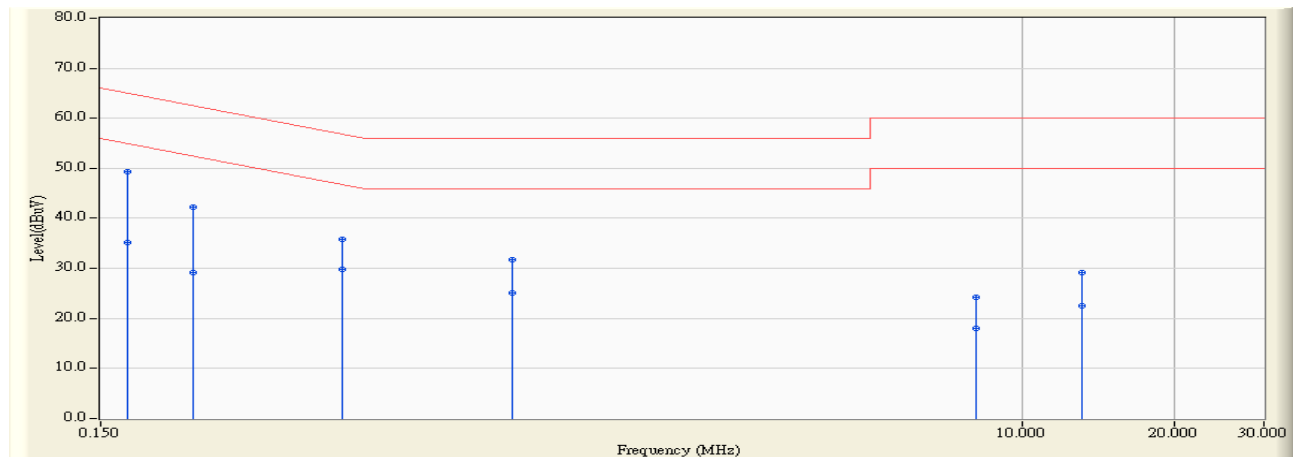


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.197	9.750	33.997	43.747	-20.913	64.660	QUASIPeAK
2		0.197	9.750	20.727	30.477	-34.180	64.657	AVERAGE
3		0.240	9.746	28.731	38.477	-24.964	63.441	QUASIPeAK
4		0.240	9.746	16.903	26.649	-36.781	63.429	AVERAGE
5		0.400	9.730	25.195	34.925	-23.939	58.864	QUASIPeAK
6		0.400	9.730	17.162	26.892	-31.972	58.865	AVERAGE
7		0.877	9.797	21.481	31.278	-24.722	56.000	QUASIPeAK
8		0.876	9.797	15.627	25.424	-30.576	56.000	AVERAGE
9		8.064	10.050	17.967	28.017	-31.983	60.000	QUASIPeAK
10		8.064	10.050	12.462	22.512	-37.488	60.000	AVERAGE
11		12.603	10.177	21.134	31.311	-28.689	60.000	QUASIPeAK
12		12.603	10.177	14.964	25.141	-34.859	60.000	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-H	Time : 2017/04/11
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR2_LISN(16A)-6_0712 - Line2	Power : AC120V/60Hz
EUT : Lyra	Note : 802.15.1_3DH5_2441MHz Mode 1: Tx-AD2055320

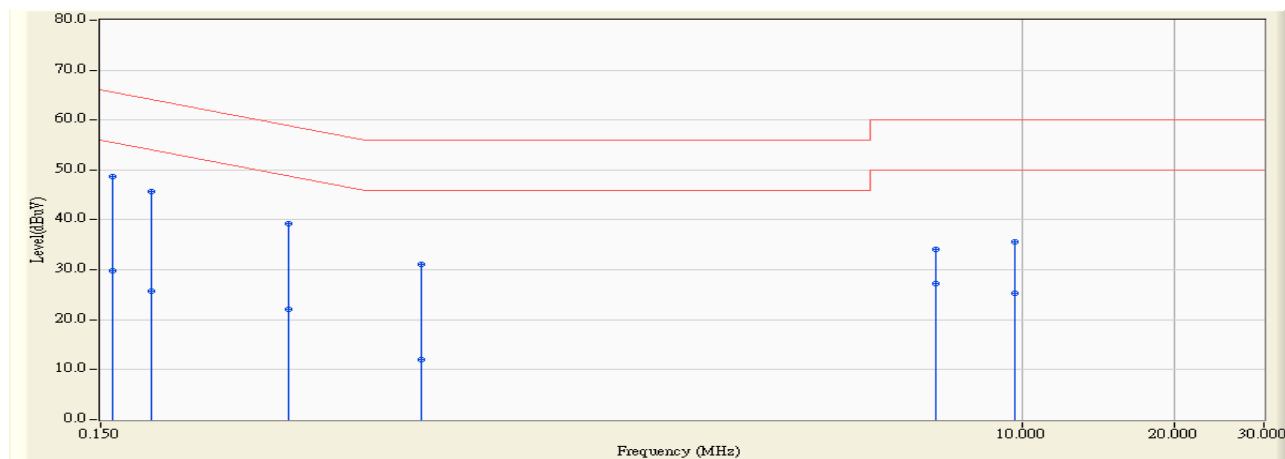


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.170	9.753	39.594	49.347	-16.092	65.439	QUASIPeAK
2		0.169	9.753	25.518	35.271	-30.177	65.449	AVERAGE
3		0.228	9.750	32.430	42.180	-21.584	63.764	QUASIPeAK
4		0.228	9.750	19.461	29.211	-34.564	63.776	AVERAGE
5		0.451	9.747	26.011	35.758	-21.647	57.405	QUASIPeAK
6		0.450	9.747	20.172	29.919	-27.496	57.414	AVERAGE
7		0.978	9.816	22.013	31.829	-24.171	56.000	QUASIPeAK
8		0.978	9.816	15.216	25.032	-30.968	56.000	AVERAGE
9		8.111	10.039	14.127	24.166	-35.834	60.000	QUASIPeAK
10		8.111	10.039	8.042	18.081	-41.919	60.000	AVERAGE
11		13.127	10.251	18.858	29.109	-30.891	60.000	QUASIPeAK
12		13.126	10.251	12.334	22.585	-37.415	60.000	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-H	Time : 2017/04/11
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR2_LISN(16A)-6_0712 - Line1	Power : AC120V/60Hz
EUT : Lyra	Note : 802.15.1_3DH5_2441MHz Mode 2: Tx-ADP-24EW B

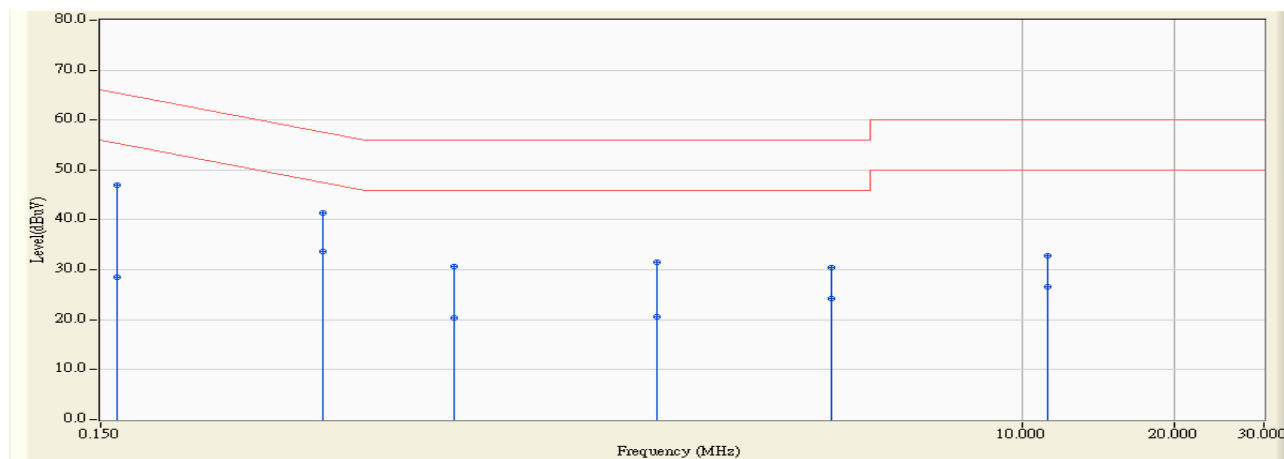


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.158	9.751	38.935	48.686	-16.882	65.568	QUASPEAK
2		0.158	9.751	20.121	29.872	-35.696	65.568	AVERAGE
3		0.189	9.751	35.836	45.587	-18.493	64.080	QUASPEAK
4		0.189	9.751	15.935	25.686	-38.394	64.080	AVERAGE
5		0.353	9.735	29.415	39.150	-19.742	58.892	QUASPEAK
6		0.353	9.735	12.323	22.058	-36.834	58.892	AVERAGE
7		0.646	9.755	21.296	31.051	-24.949	56.000	QUASPEAK
8		0.646	9.755	2.199	11.954	-44.046	56.000	AVERAGE
9		6.740	9.995	24.089	34.083	-25.917	60.000	QUASPEAK
10		6.740	9.995	17.207	27.201	-32.799	60.000	AVERAGE
11		9.634	10.114	25.495	35.610	-24.390	60.000	QUASPEAK
12		9.634	10.114	15.293	25.408	-34.592	60.000	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-H	Time : 2017/04/11
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR2_LISN(16A)-6_0712 - Line2	Power : AC120V/60Hz
EUT : Lyra	Note : 802.15.1_3DH5_2441MHz Mode 2: Tx-ADP-24EW B



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.161	9.754	37.233	46.987	-18.685	65.672	QUASPEAK
2		0.162	9.754	18.673	28.427	-37.238	65.665	AVERAGE
3	*	0.412	9.749	31.614	41.363	-17.159	58.522	QUASPEAK
4	*	0.412	9.749	23.967	33.716	-24.811	58.528	AVERAGE
5		0.751	9.782	20.916	30.698	-25.302	56.000	QUASPEAK
6		0.751	9.782	10.644	20.426	-35.574	56.000	AVERAGE
7		1.888	9.847	21.702	31.549	-24.451	56.000	QUASPEAK
8		1.888	9.847	10.667	20.514	-35.486	56.000	AVERAGE
9		4.185	9.843	20.632	30.475	-25.525	56.000	QUASPEAK
10		4.185	9.843	14.369	24.212	-31.788	56.000	AVERAGE
11		11.212	10.189	22.628	32.817	-27.183	60.000	QUASPEAK
12		11.212	10.189	16.391	26.580	-33.420	60.000	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. Peak Power Output

3.1. Test Equipment

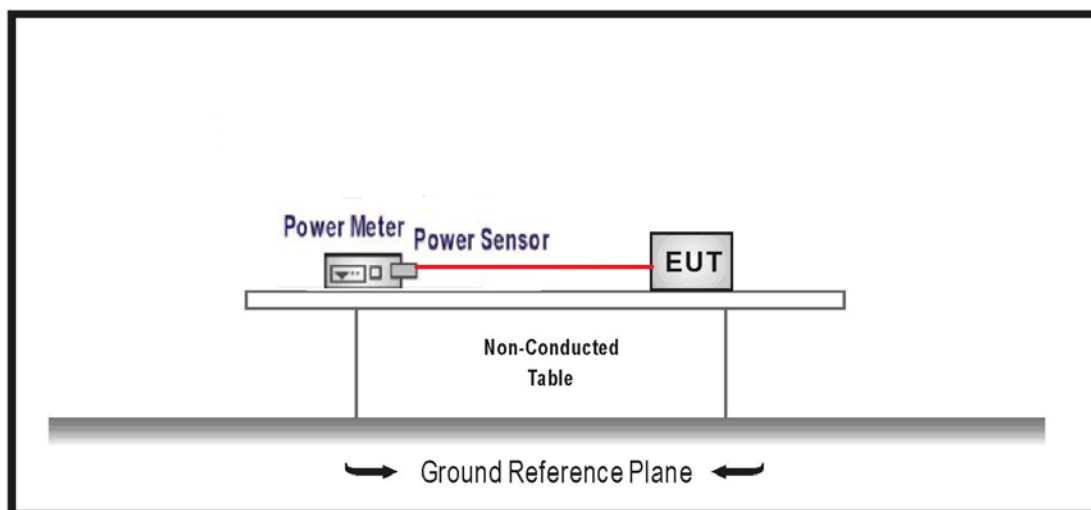
The following test equipment is used during the test:

Peak Power Output / SR10-H

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
High Speed Peak Power Meter Dual Input	Anritsu	ML2496A	1602004	2018/01/19
Pulse Power Sensor	Anritsu	MA2411B	1531043	2018/01/19
Pulse Power Sensor	Anritsu	MA2411B	1531044	2018/01/19

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 Public Notice DA 00-705 for compliance to FCC 47CFR 15.247 requirements

3.4. Limits

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.

For frequency hopping systems in the 2400-2483.5 MHz band employing at least 75 hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1Watt.

For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 Watt.

3.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2015.

3.6. Test Result

Product	Lyra		
Test Item	Peak Power Output		
Test Mode	Mode 1: Tx-AD2055320		
Date of Test	2017/04/14	Test Site	SR10-H

GFSK

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
00	2402	9.420	30	Pass
39	2441	10.590	30	Pass
78	2480	11.320	30	Pass

$\pi/4$ -DQPSK

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
00	2402	11.720	30	Pass
39	2441	12.780	30	Pass
78	2480	13.490	30	Pass

8-DPSK

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
00	2402	12.160	30	Pass
39	2441	13.240	30	Pass
78	2480	13.850	30	Pass

4. Radiated Emission

4.1. Test Equipment

The following test equipments are used during the test:

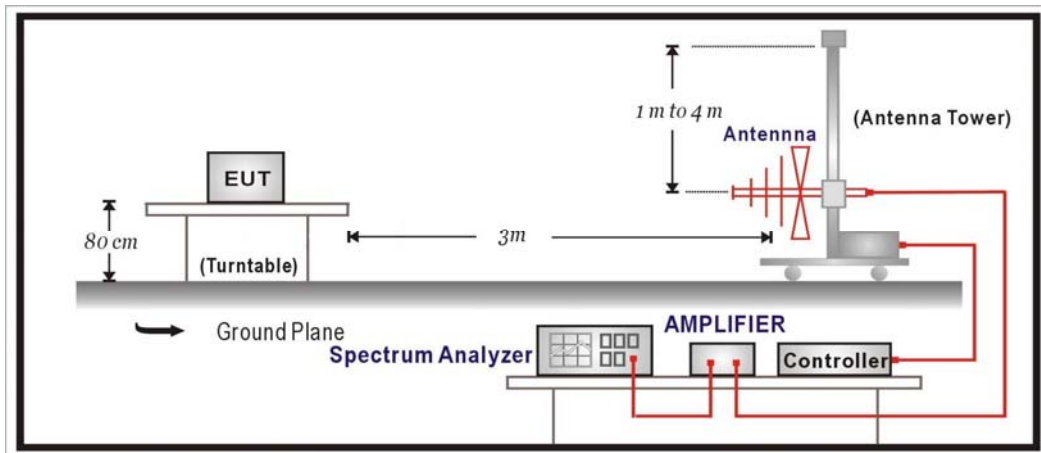
Radiated Emission / CB2-H

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Bilog Antenna	Schaffner	CBL6112B	2891	2017/08/14
Horn Antenna	Schwarzbeck	BBHA 9120	D312	2017/10/25
Pre-Amplifier	EMCI	EMC0031835	980233	2018/02/02
Pre-Amplifier	Schwarzbeck	DBL-1840N506	013	2017/09/29
Pre-Amplifier	Miteq	JS41-001040000 -58-5P	1573954	2017/10/04
Horn Antenna	Schwarzbeck	BBHA 9170	203	2017/08/28
Signal & Spectrum Analyzer	R&S	FSV40	101049	2018/01/22

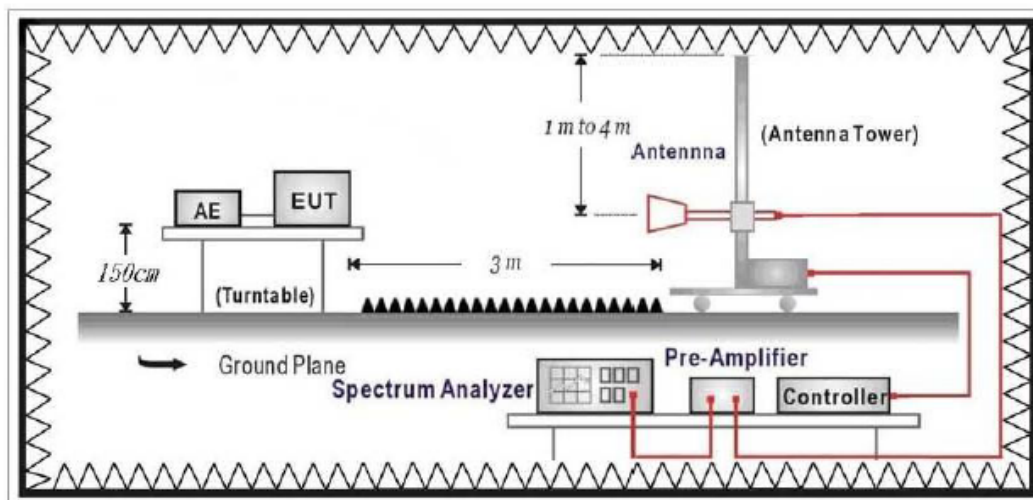
Note: All equipments that need to calibrate are with calibration period of 1 year.

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 Public Notice DA 00-705 for compliance to FCC 47CFR 15.247 requirements.

The EUT and its simulators are placed on a turn table which is 0.8 or 1.5 meter 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.

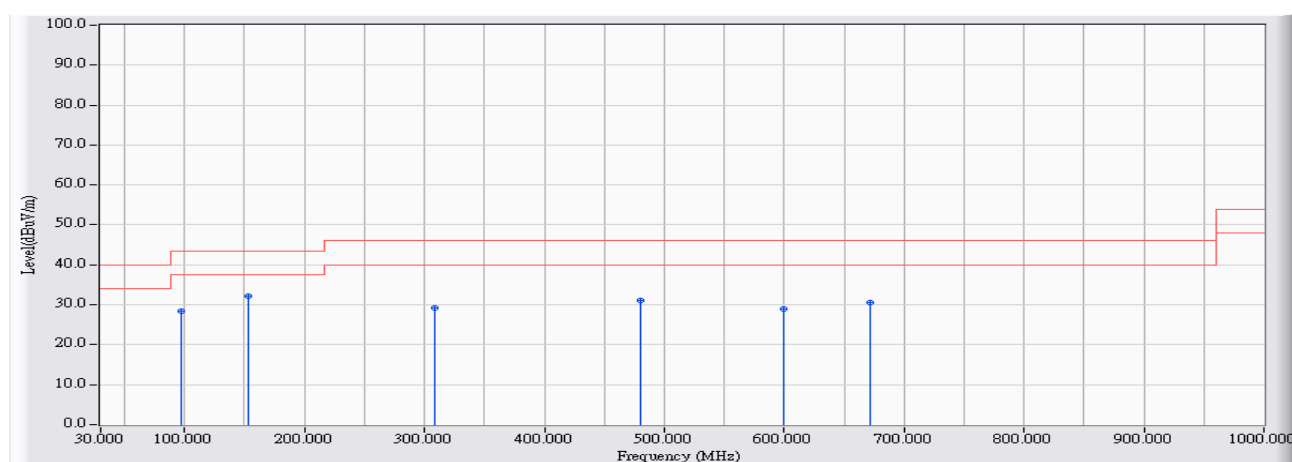
4.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2015

4.6. Test Result

30MHz-1GHz Spurious

Site : CB4-H	Time : 2017/04/25
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.1.15_DH5_2441MHz Mode 1: Tx-AD2055320

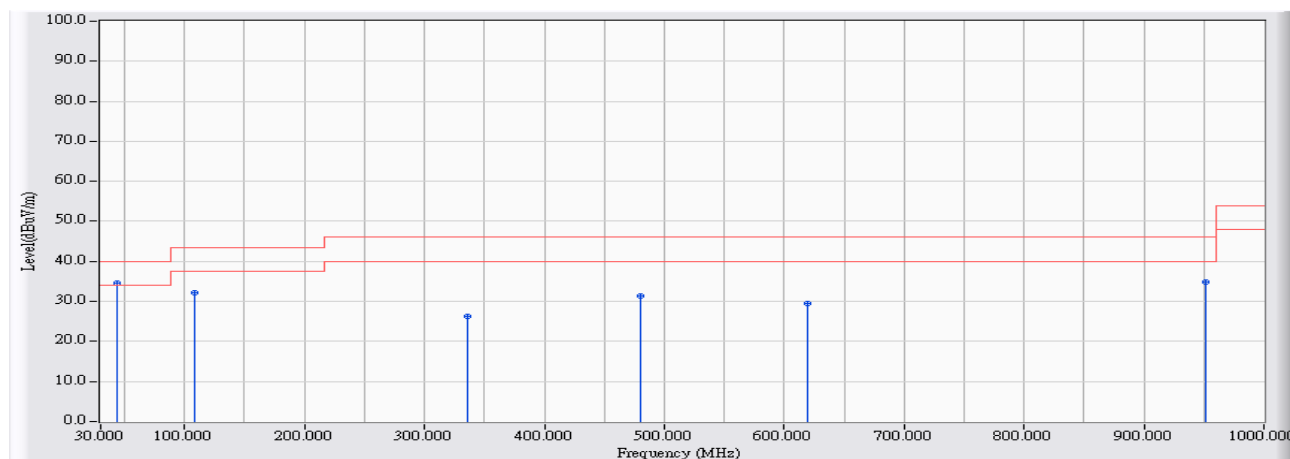


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		97.415	-23.931	52.366	28.435	-15.065	43.500	QUASIPeAK
2	*	153.675	-22.460	54.632	32.173	-11.327	43.500	QUASIPeAK
3		308.390	-19.264	48.405	29.140	-16.860	46.000	QUASIPeAK
4		480.080	-14.513	45.651	31.138	-14.862	46.000	QUASIPeAK
5		599.875	-12.694	41.658	28.964	-17.036	46.000	QUASIPeAK
6		671.655	-11.465	41.943	30.478	-15.522	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 : CB4-H	Time : 2017/04/25
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.1.15_DH5_2441MHz Mode 1: Tx-AD2055320

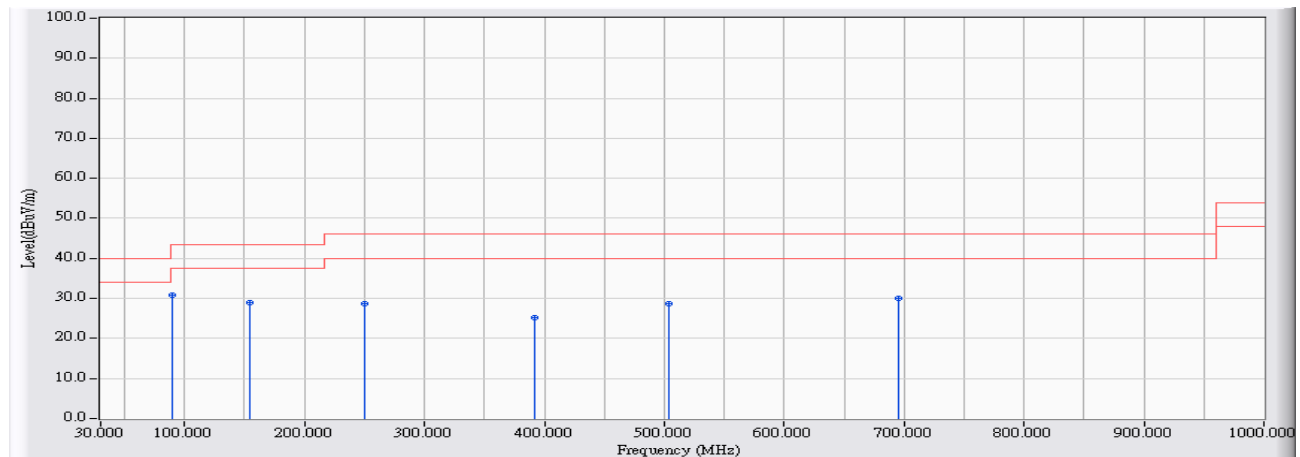


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	43.095	-20.188	54.842	34.654	-5.346	40.000	QUASIPeAK
2		108.085	-22.456	54.683	32.227	-11.273	43.500	QUASIPeAK
3		336.035	-17.902	44.261	26.360	-19.640	46.000	QUASIPeAK
4		480.080	-14.513	45.862	31.349	-14.651	46.000	QUASIPeAK
5		619.760	-11.824	41.314	29.490	-16.510	46.000	QUASIPeAK
6		951.500	-7.197	42.132	34.935	-11.065	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 : CB4-H	Time : 2017/04/25
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.1.15_DH5_2441MHz Mode 2: Tx-ADP-24EW B

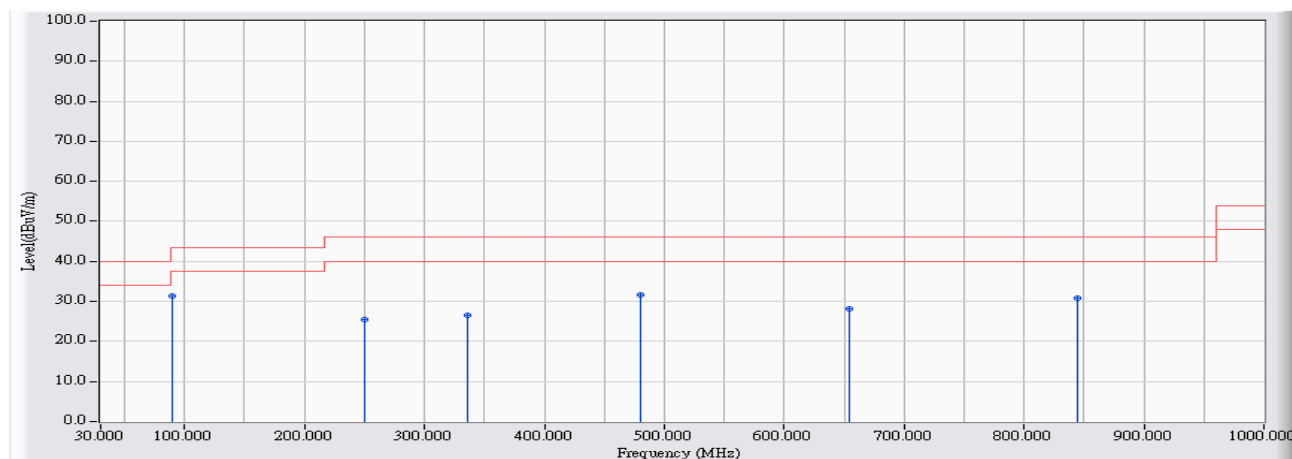


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	90.140	-25.489	56.315	30.826	-12.674	43.500	QUASIPeAK
2		154.645	-22.526	51.575	29.049	-14.451	43.500	QUASIPeAK
3		250.190	-20.117	48.771	28.654	-17.346	46.000	QUASIPeAK
4		391.325	-16.232	41.490	25.258	-20.742	46.000	QUASIPeAK
5		503.845	-13.870	42.436	28.565	-17.435	46.000	QUASIPeAK
6		695.905	-11.884	41.860	29.976	-16.024	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 : CB4-H	Time : 2017/04/25
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.1.15_DH5_2441MHz Mode 2: Tx-ADP-24EW B



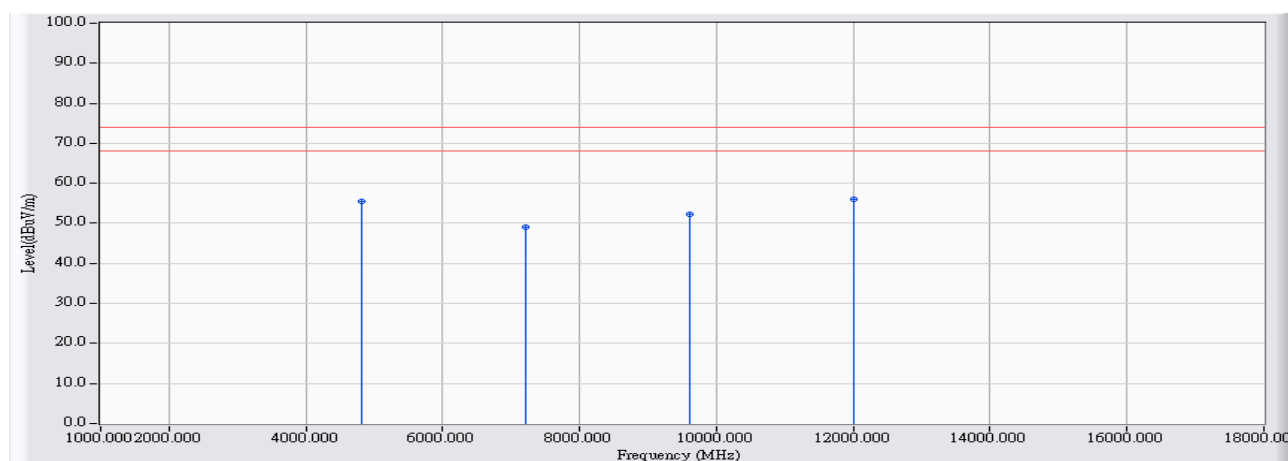
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	90.140	-25.489	56.835	31.346	-12.154	43.500	QUASIPeAK
2		250.190	-20.117	45.673	25.556	-20.444	46.000	QUASIPeAK
3		336.035	-17.902	44.375	26.474	-19.526	46.000	QUASIPeAK
4		480.080	-14.513	46.181	31.668	-14.332	46.000	QUASIPeAK
5		654.680	-12.610	40.786	28.176	-17.824	46.000	QUASIPeAK
6		844.800	-9.263	40.147	30.884	-15.116	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

Harmonic & Spurious:

Site : CB2-H	Time : 2017/04/24
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : BT2.0_DH5_2402MHz Mode 1: Tx-AD2055320

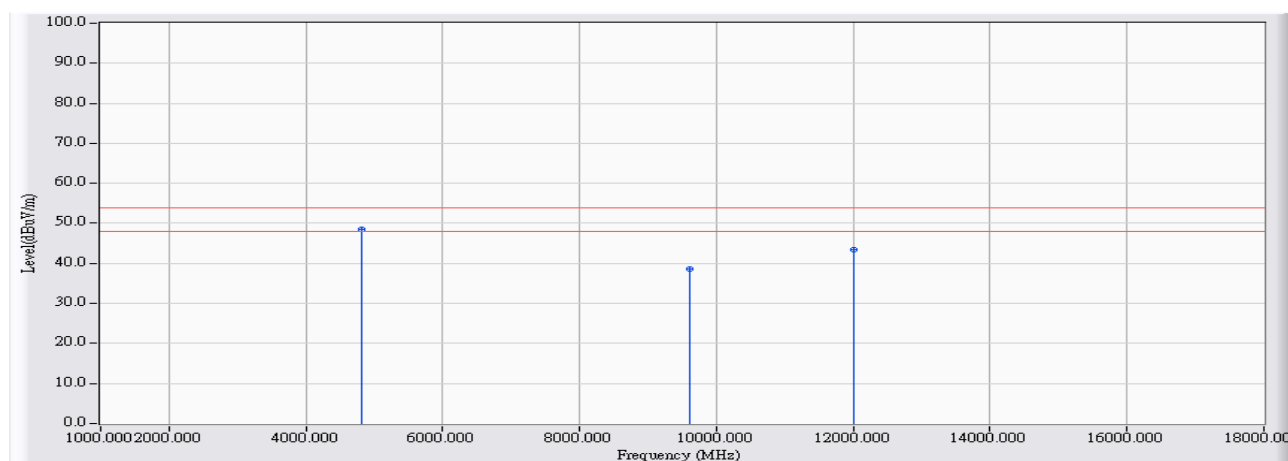


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4804.000	5.750	49.700	55.451	-18.549	74.000	PEAK
2		7206.000	12.860	36.170	49.029	-24.971	74.000	PEAK
3		9608.000	18.890	33.270	52.160	-21.840	74.000	PEAK
4	*	12010.000	22.963	33.190	56.153	-17.847	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 : CB2-H	Time : 2017/04/24
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : BT2.0_DH5_2402MHz Mode 1: Tx-AD2055320

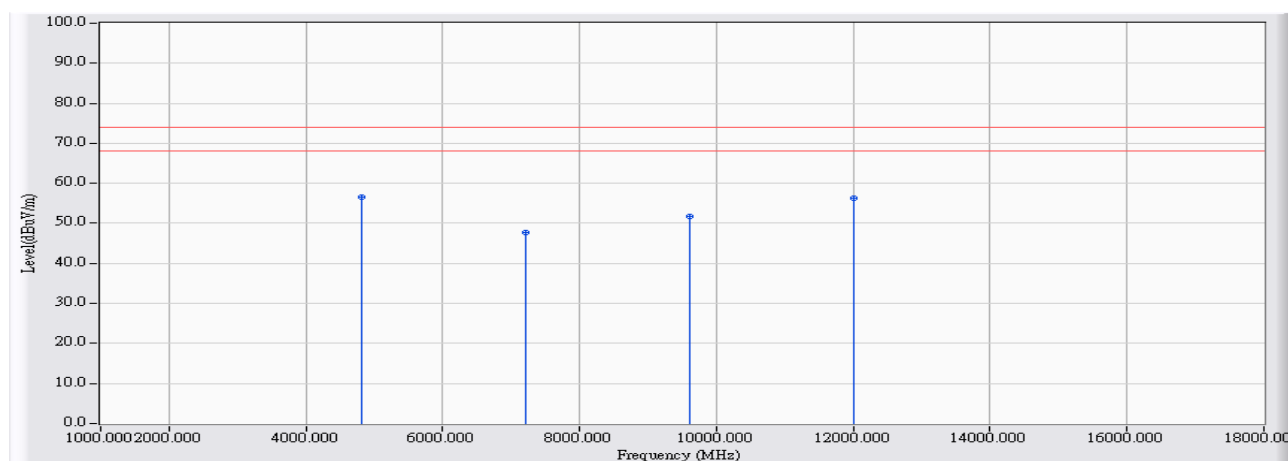


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4804.000	5.750	42.770	48.521	-5.479	54.000	AVERAGE
2		9608.000	18.890	19.830	38.720	-15.280	54.000	AVERAGE
3		12010.000	22.963	20.600	43.563	-10.437	54.000	AVERAGE

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 : CB2-H	Time : 2017/04/24
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : BT2.0_DH5_2402MHz Mode 1: Tx-AD2055320

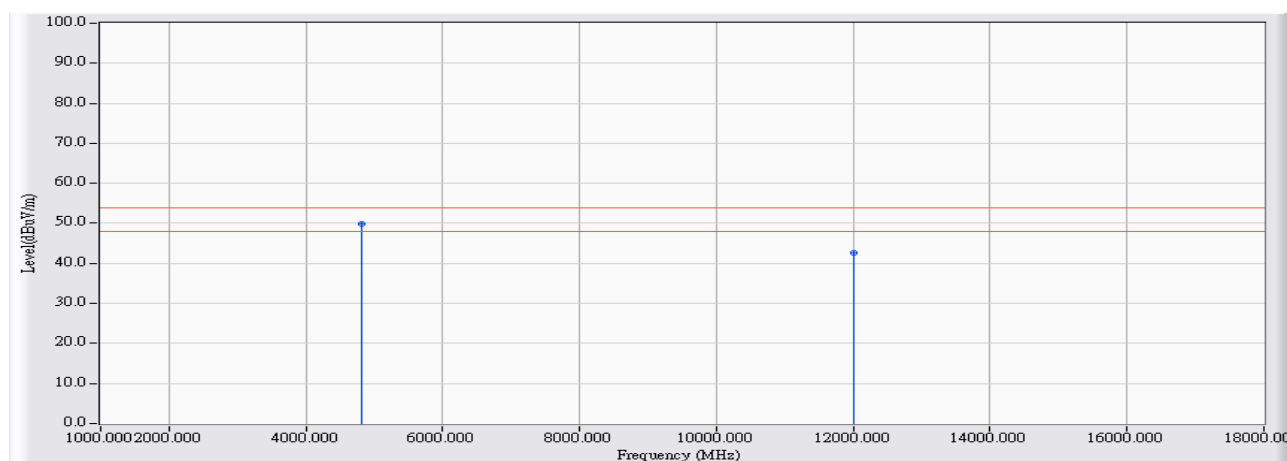


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4804.000	5.750	50.750	56.501	-17.499	74.000	PEAK
2		7206.000	12.860	34.880	47.739	-26.261	74.000	PEAK
3		9608.000	18.890	32.810	51.700	-22.300	74.000	PEAK
4		12010.000	22.963	33.370	56.333	-17.667	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 : CB2-H	Time : 2017/04/24
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : BT2.0_DH5_2402MHz Mode 1: Tx-AD2055320

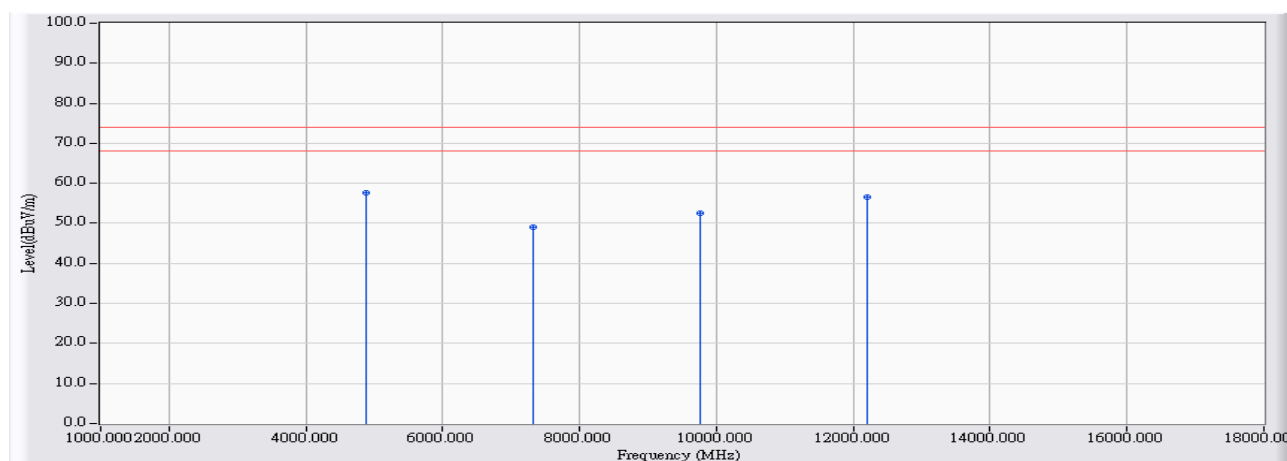


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4804.000	5.750	44.140	49.891	-4.109	54.000	AVERAGE
2		12010.000	22.963	19.540	42.503	-11.497	54.000	AVERAGE

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 : CB2-H	Time : 2017/04/24
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : BT2.0_DH5_2441MHz Mode 1: Tx-AD2055320

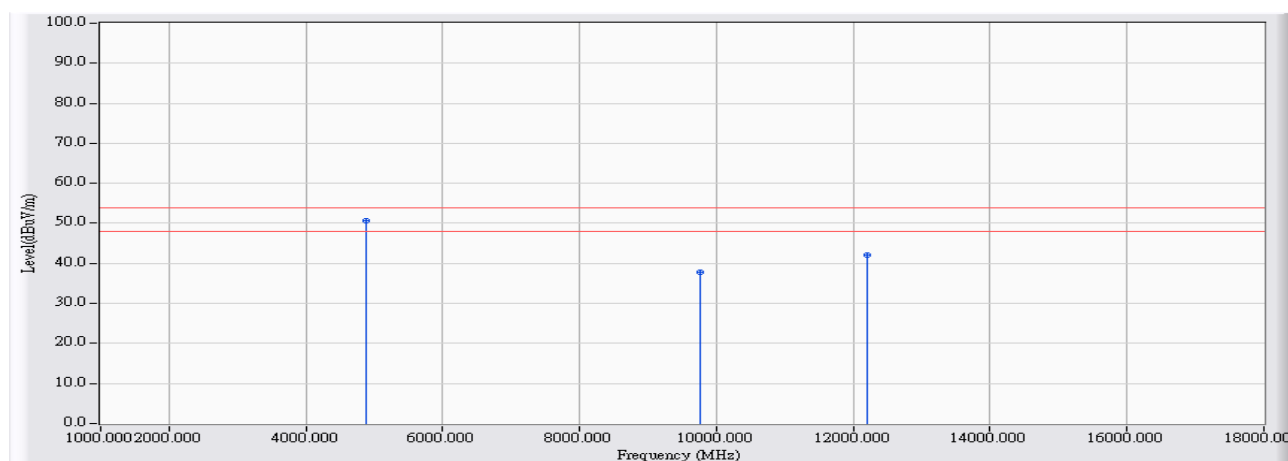


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4882.000	5.865	51.830	57.696	-16.304	74.000	PEAK
2		7323.000	13.308	35.850	49.158	-24.842	74.000	PEAK
3		9764.000	19.278	33.230	52.508	-21.492	74.000	PEAK
4		12205.000	22.418	34.090	56.508	-17.492	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 : CB2-H	Time : 2017/04/24
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : BT2.0_DH5_2441MHz Mode 1: Tx-AD2055320

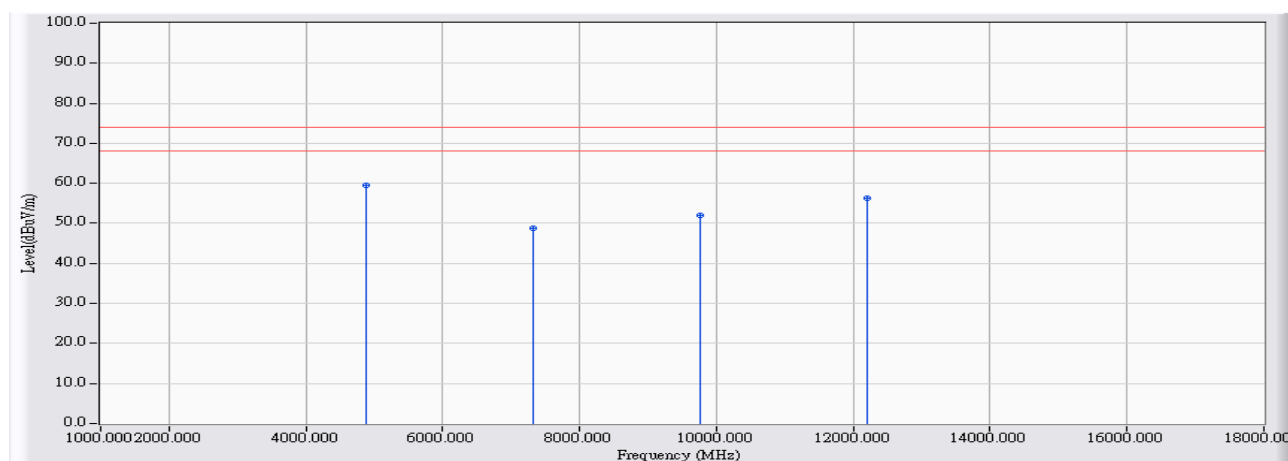


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4882.000	5.865	44.790	50.656	-3.344	54.000	AVERAGE
2		9764.000	19.278	18.610	37.888	-16.112	54.000	AVERAGE
3		12205.000	22.418	19.670	42.088	-11.912	54.000	AVERAGE

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 : CB2-H	Time : 2017/04/24
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : BT2.0_DH5_2441MHz Mode 1: Tx-AD2055320

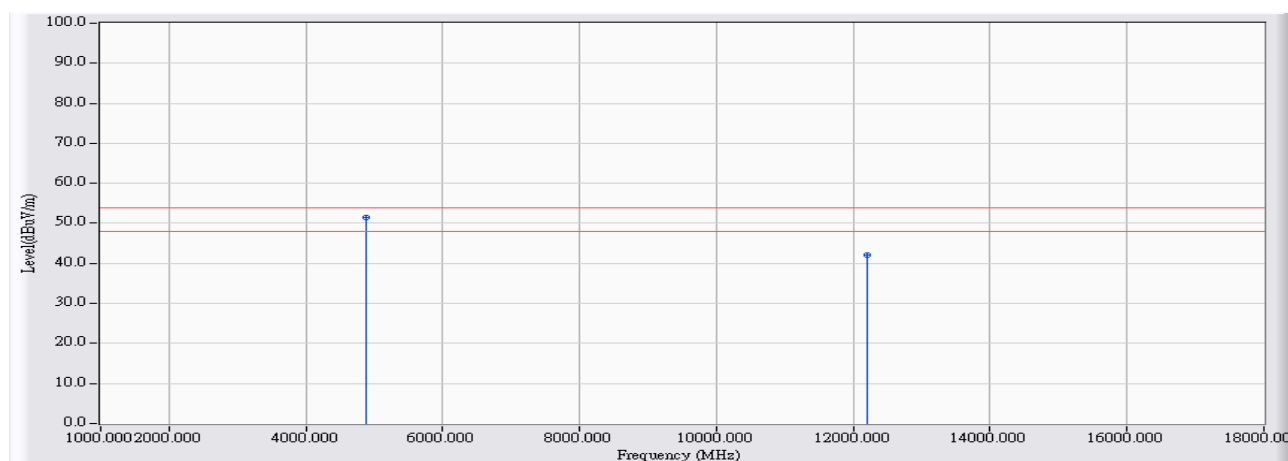


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4882.000	5.865	53.700	59.566	-14.434	74.000	PEAK
2		7323.000	13.308	35.590	48.898	-25.102	74.000	PEAK
3		9764.000	19.278	32.700	51.978	-22.022	74.000	PEAK
4		12205.000	22.418	33.970	56.388	-17.612	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 : CB2-H	Time : 2017/04/24
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : BT2.0_DH5_2441MHz Mode 1: Tx-AD2055320

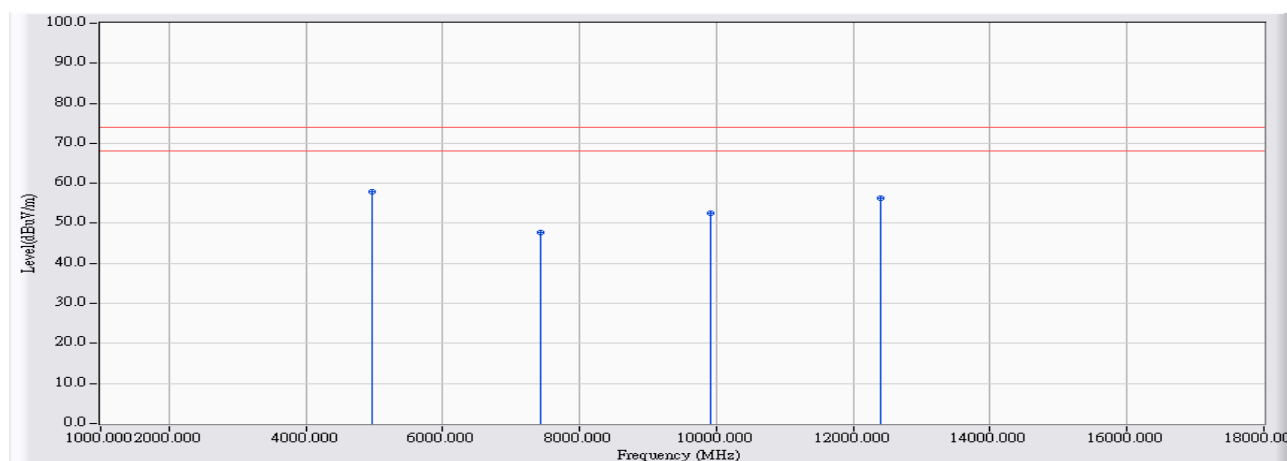


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4882.000	5.865	45.560	51.426	-2.574	54.000	AVERAGE
2		12205.000	22.418	19.590	42.008	-11.992	54.000	AVERAGE

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 : CB2-H	Time : 2017/04/24
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : BT2.0_DH5_2480MHz Mode 1: Tx-AD2055320

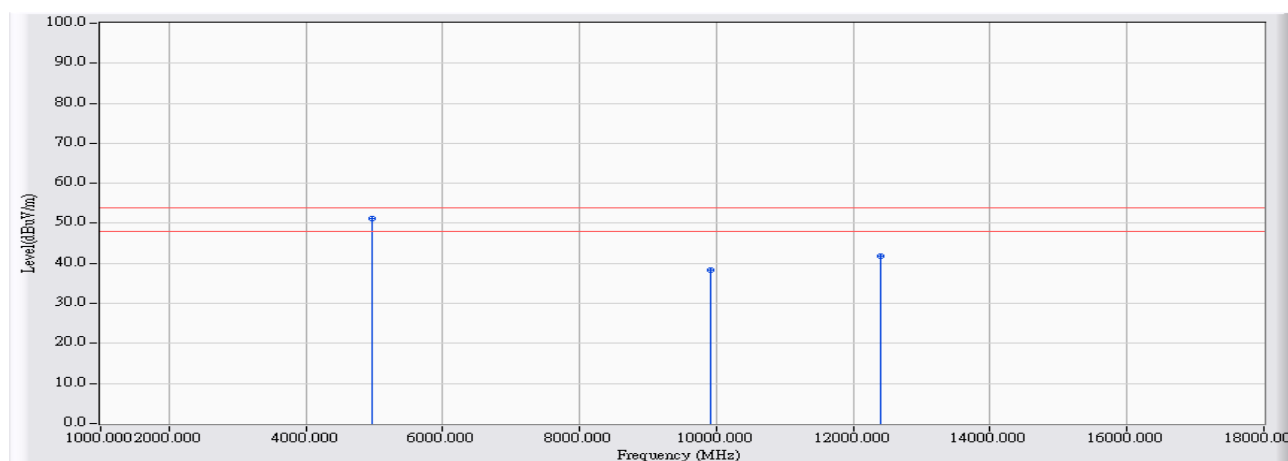


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4960.000	5.981	52.020	58.000	-16.000	74.000	PEAK
2		7440.000	13.760	33.980	47.740	-26.260	74.000	PEAK
3		9920.000	19.677	32.980	52.658	-21.342	74.000	PEAK
4		12400.000	23.508	32.690	56.198	-17.802	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 : CB2-H	Time : 2017/04/24
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : BT2.0_DH5_2480MHz Mode 1: Tx-AD2055320

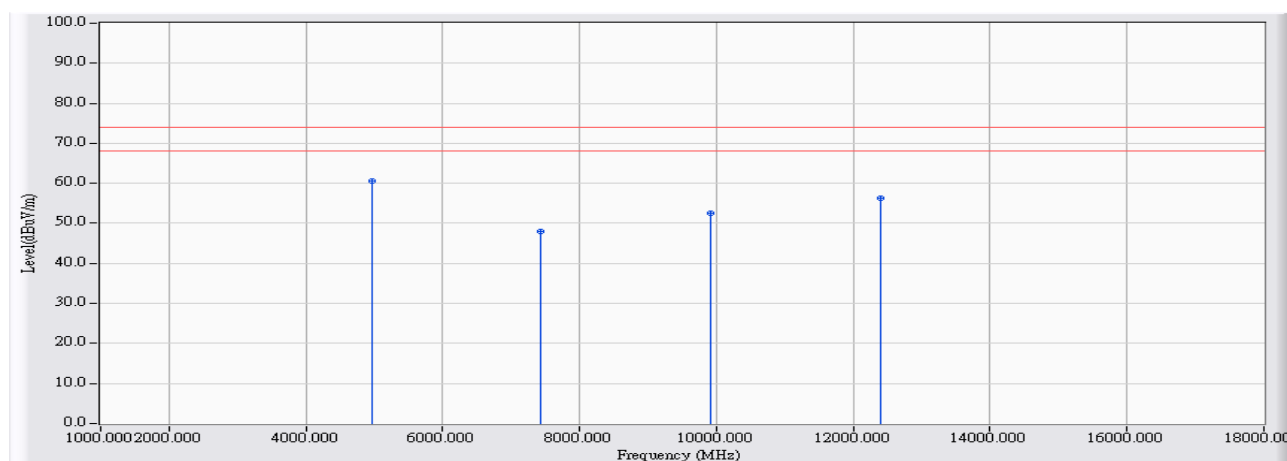


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4960.000	5.981	45.150	51.130	-2.870	54.000	AVERAGE
2		9920.000	19.677	18.600	38.278	-15.722	54.000	AVERAGE
3		12400.000	23.508	18.350	41.858	-12.142	54.000	AVERAGE

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 : CB2-H	Time : 2017/04/24
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : BT2.0_DH5_2480MHz Mode 1: Tx-AD2055320

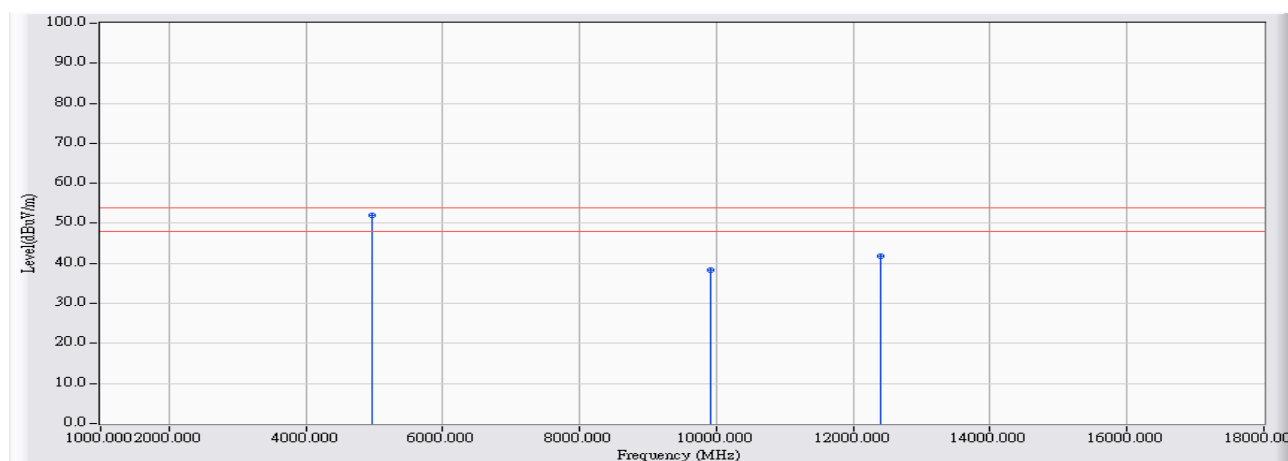


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4960.000	5.981	54.600	60.580	-13.420	74.000	PEAK
2		7440.000	13.760	34.240	48.000	-26.000	74.000	PEAK
3		9920.000	19.677	32.750	52.428	-21.572	74.000	PEAK
4		12400.000	23.508	32.660	56.168	-17.832	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 : CB2-H	Time : 2017/04/24
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : BT2.0_DH5_2480MHz Mode 1: Tx-AD2055320

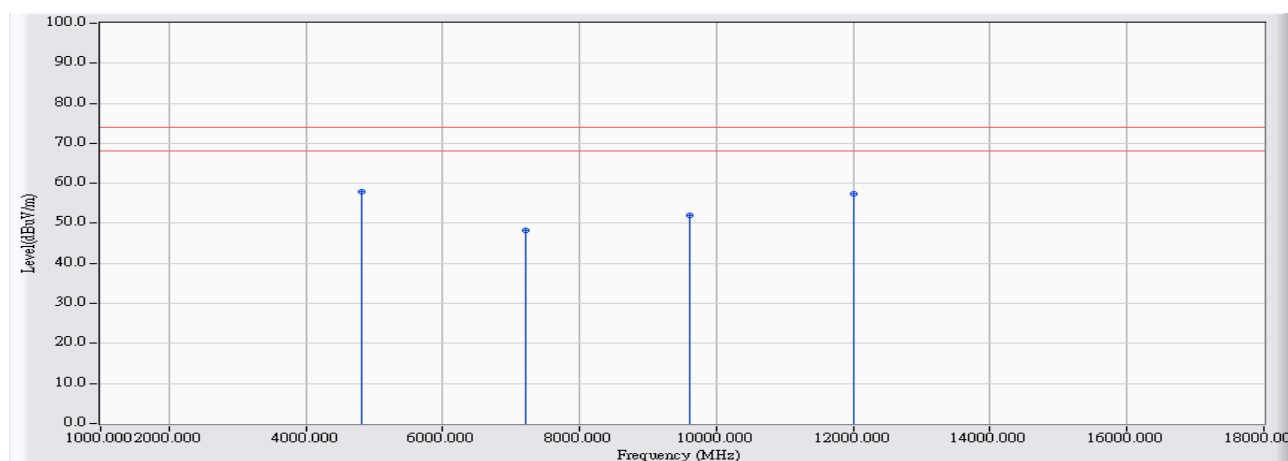


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4960.000	5.981	45.940	51.920	-2.080	54.000	AVERAGE
2		9920.000	19.677	18.660	38.338	-15.662	54.000	AVERAGE
3		12400.000	23.508	18.380	41.888	-12.112	54.000	AVERAGE

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 : CB2-H	Time : 2017/04/24
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : BT2.0_2DH5_2402MHz Mode 1: Tx-AD2055320

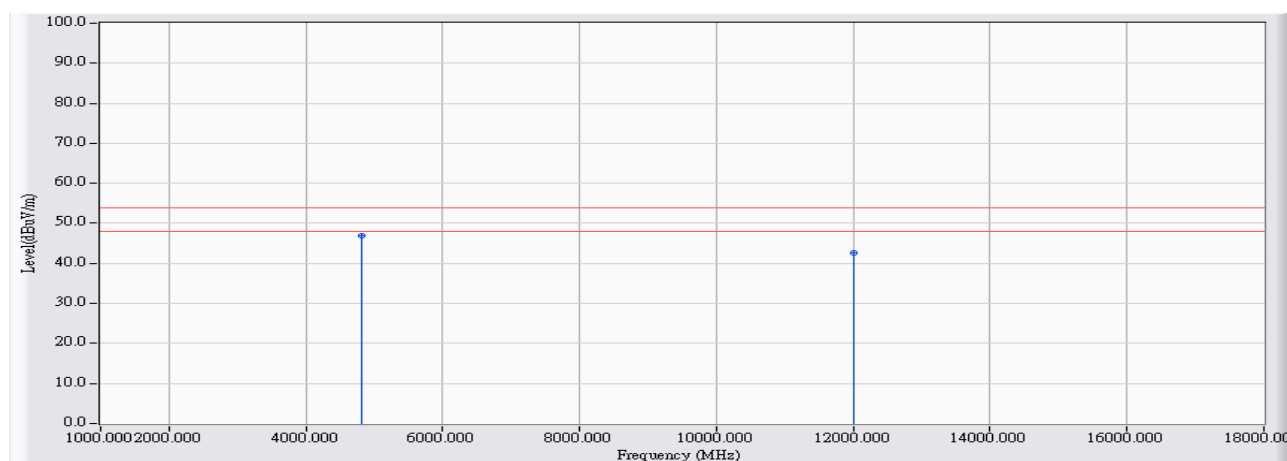


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4804.000	5.750	52.260	58.011	-15.989	74.000	PEAK
2		7206.000	12.860	35.310	48.169	-25.831	74.000	PEAK
3		9608.000	18.890	33.090	51.980	-22.020	74.000	PEAK
4		12010.000	22.963	34.430	57.393	-16.607	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 : CB2-H	Time : 2017/04/24
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : BT2.0_2DH5_2402MHz Mode 1: Tx-AD2055320

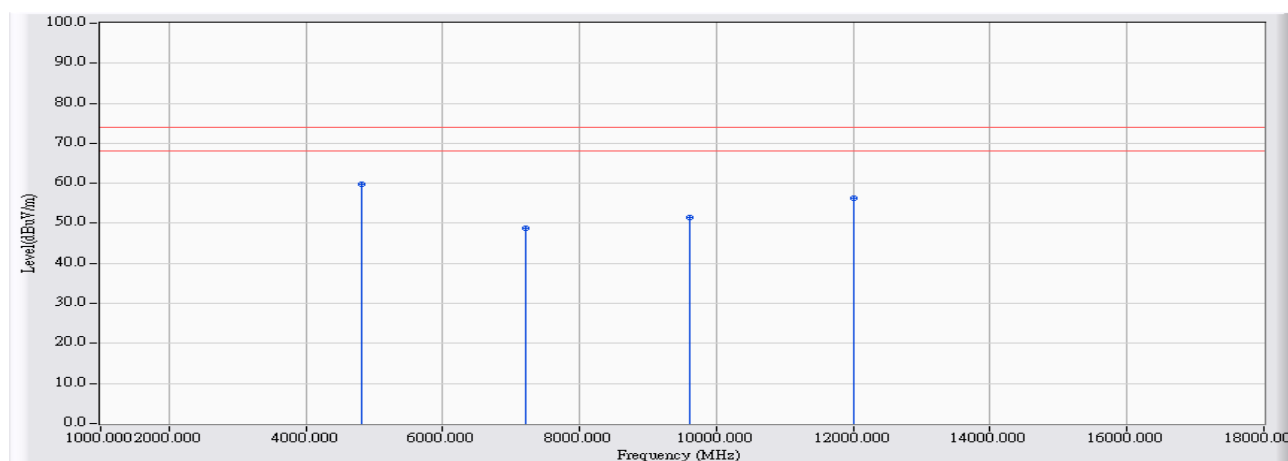


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4804.000	5.750	41.240	46.991	-7.009	54.000	AVERAGE
2		12010.000	22.963	19.560	42.523	-11.477	54.000	AVERAGE

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 : CB2-H	Time : 2017/04/24
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : BT2.0_2DH5_2402MHz Mode 1: Tx-AD2055320

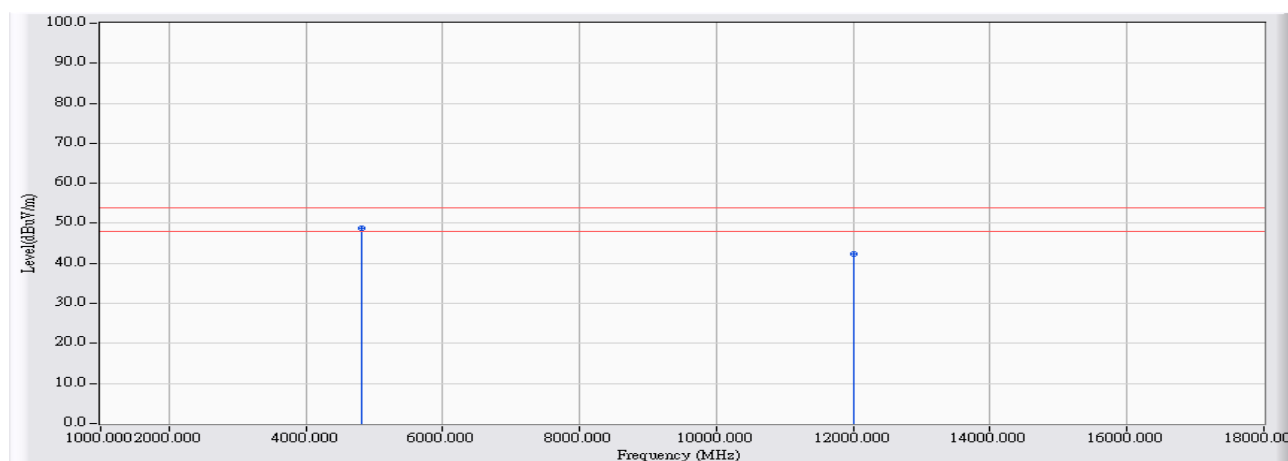


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4804.000	5.750	53.940	59.691	-14.309	74.000	PEAK
2		7206.000	12.860	35.990	48.849	-25.151	74.000	PEAK
3		9608.000	18.890	32.640	51.530	-22.470	74.000	PEAK
4		12010.000	22.963	33.450	56.413	-17.587	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 : CB2-H	Time : 2017/04/24
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : BT2.0_2DH5_2402MHz Mode 1: Tx-AD2055320

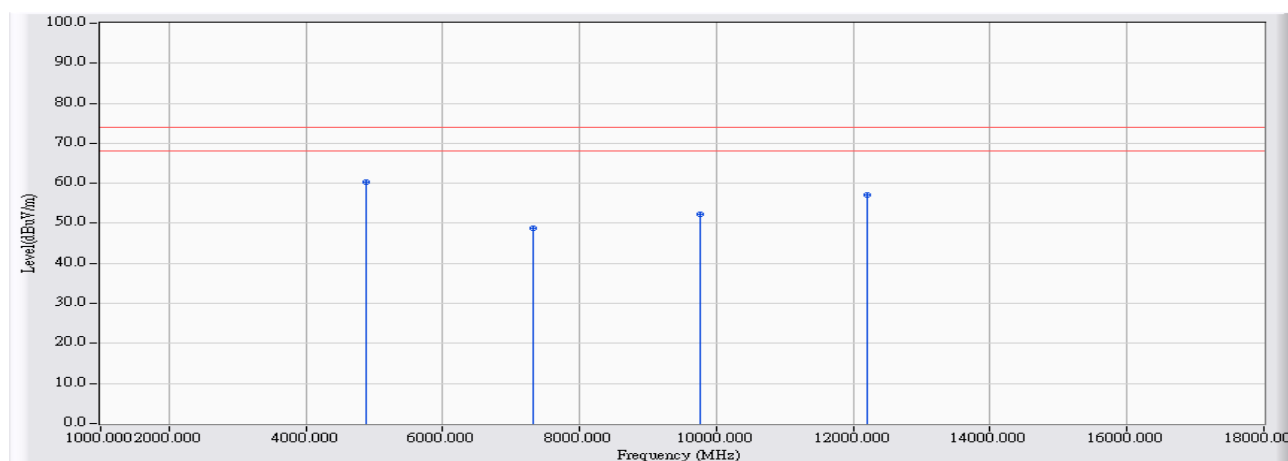


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4804.000	5.750	42.960	48.711	-5.289	54.000	AVERAGE
2		12010.000	22.963	19.490	42.453	-11.547	54.000	AVERAGE

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 : CB2-H	Time : 2017/04/24
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : BT2.0_2DH5_2441MHz Mode 1: Tx-AD2055320

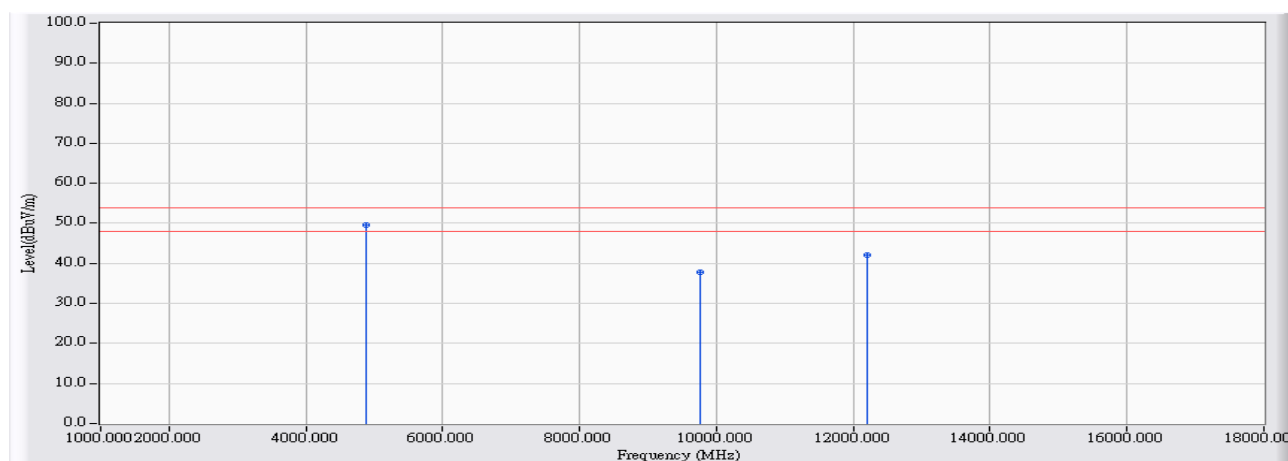


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4882.000	5.865	54.590	60.456	-13.544	74.000	PEAK
2		7323.000	13.308	35.540	48.848	-25.152	74.000	PEAK
3		9764.000	19.278	33.020	52.298	-21.702	74.000	PEAK
4		12205.000	22.418	34.820	57.238	-16.762	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 : CB2-H	Time : 2017/04/24
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : BT2.0_2DH5_2441MHz Mode 1: Tx-AD2055320

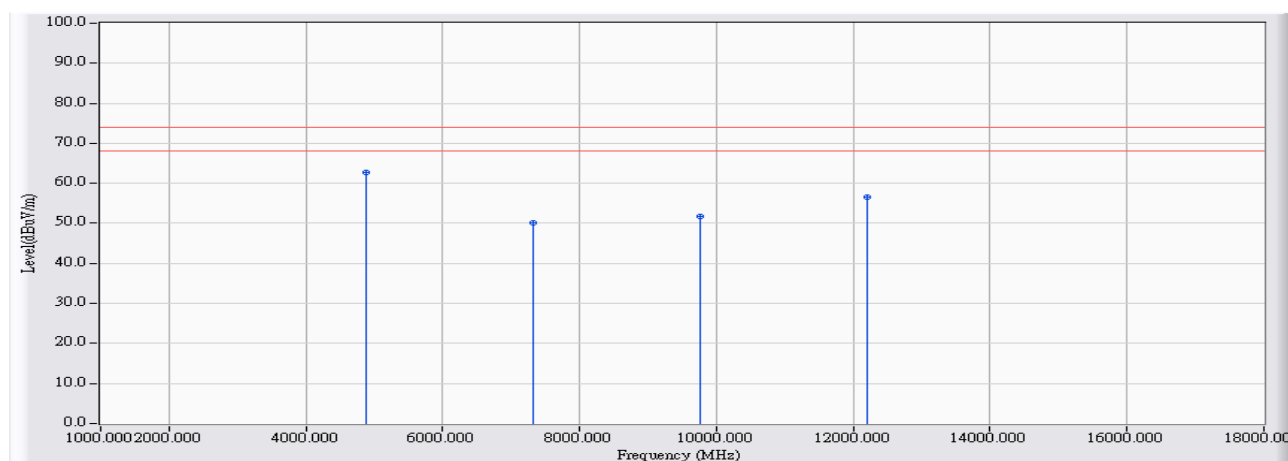


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4882.000	5.865	43.800	49.666	-4.334	54.000	AVERAGE
2		9764.000	19.278	18.620	37.898	-16.102	54.000	AVERAGE
3		12205.000	22.418	19.650	42.068	-11.932	54.000	AVERAGE

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 : CB2-H	Time : 2017/04/24
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : BT2.0_2DH5_2441MHz Mode 1: Tx-AD2055320

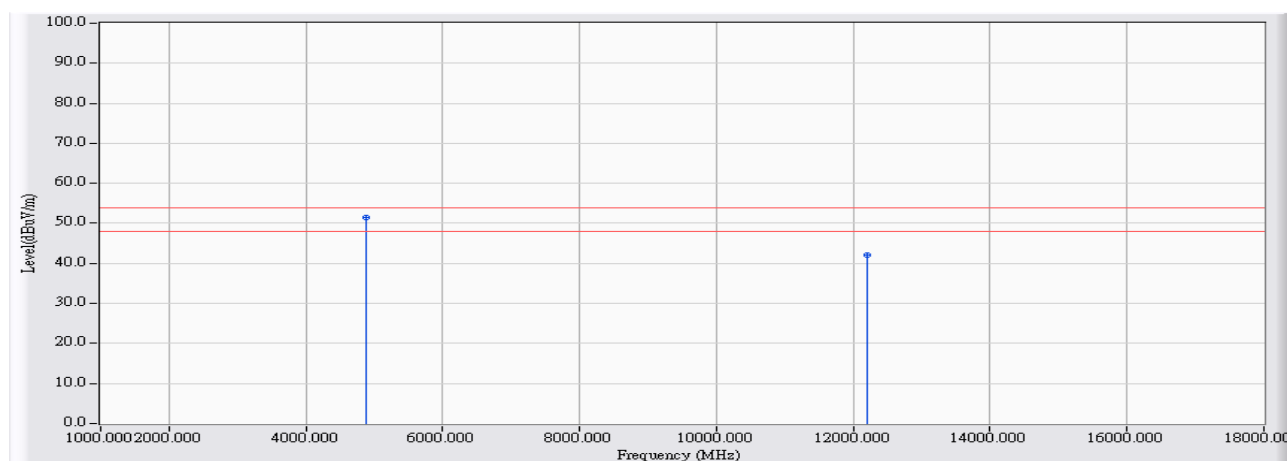


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4882.000	5.865	56.920	62.786	-11.214	74.000	PEAK
2		7323.000	13.308	36.780	50.088	-23.912	74.000	PEAK
3		9764.000	19.278	32.360	51.638	-22.362	74.000	PEAK
4		12205.000	22.418	34.040	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.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB2-H	Time : 2017/04/24
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : BT2.0_2DH5_2441MHz Mode 1: Tx-AD2055320

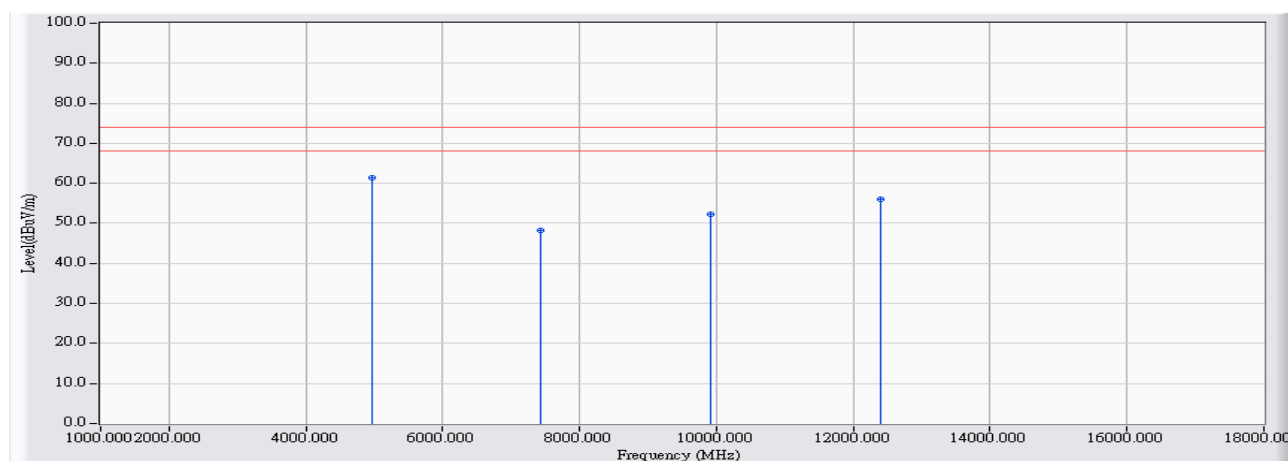


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4882.000	5.865	45.500	51.366	-2.634	54.000	AVERAGE
2		12205.000	22.418	19.620	42.038	-11.962	54.000	AVERAGE

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 : CB2-H	Time : 2017/04/24
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : BT2.0_2DH5_2480MHz Mode 1: Tx-AD2055320

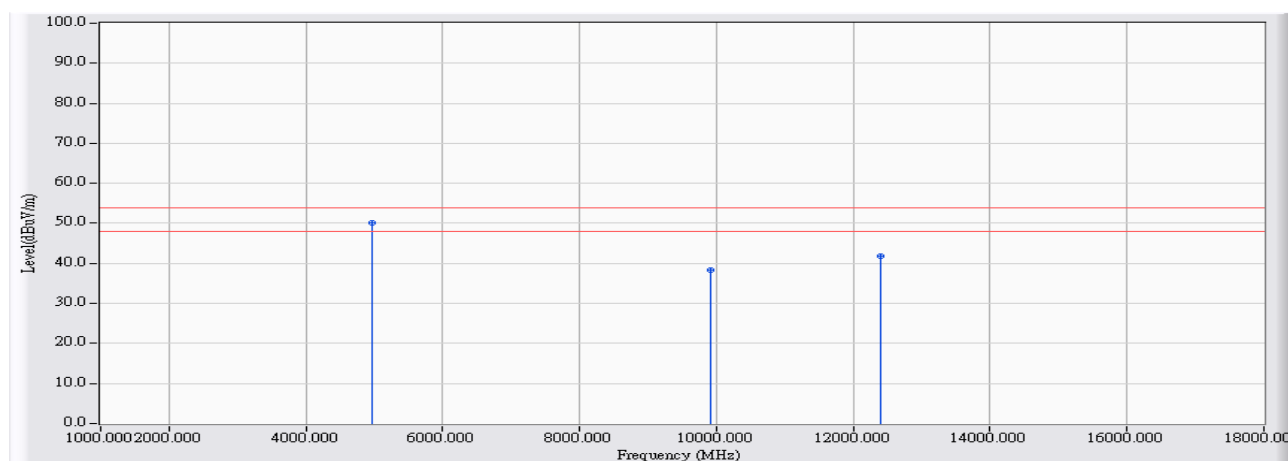


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4960.000	5.981	55.300	61.280	-12.720	74.000	PEAK
2		7440.000	13.760	34.600	48.360	-25.640	74.000	PEAK
3		9920.000	19.677	32.600	52.278	-21.722	74.000	PEAK
4		12400.000	23.508	32.570	56.078	-17.922	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 : CB2-H	Time : 2017/04/24
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : BT2.0_2DH5_2480MHz Mode 1: Tx-AD2055320

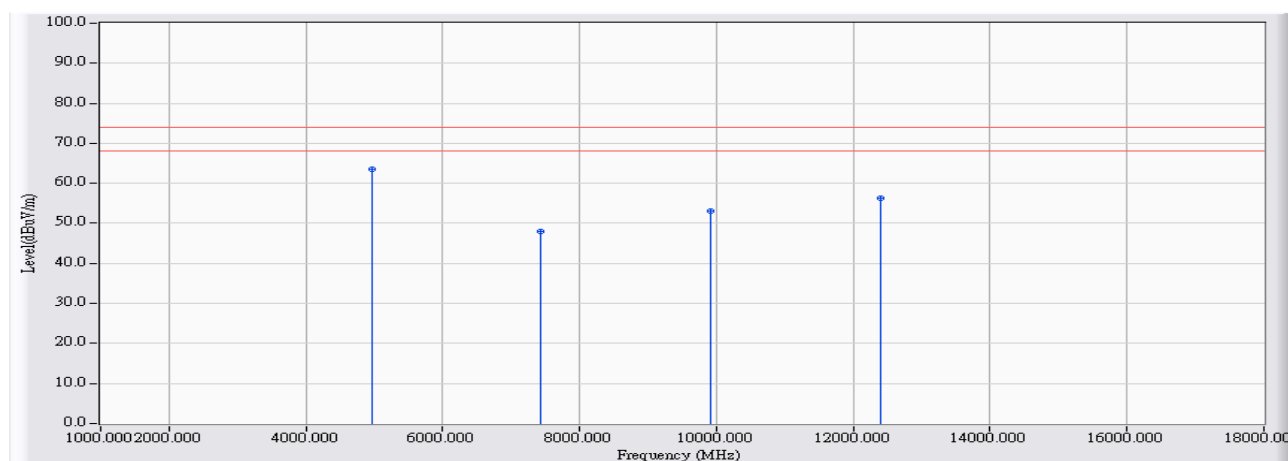


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4960.000	5.981	44.100	50.080	-3.920	54.000	AVERAGE
2		9920.000	19.677	18.620	38.298	-15.702	54.000	AVERAGE
3		12400.000	23.508	18.350	41.858	-12.142	54.000	AVERAGE

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 : CB2-H	Time : 2017/04/24
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : BT2.0_2DH5_2480MHz Mode 1: Tx-AD2055320

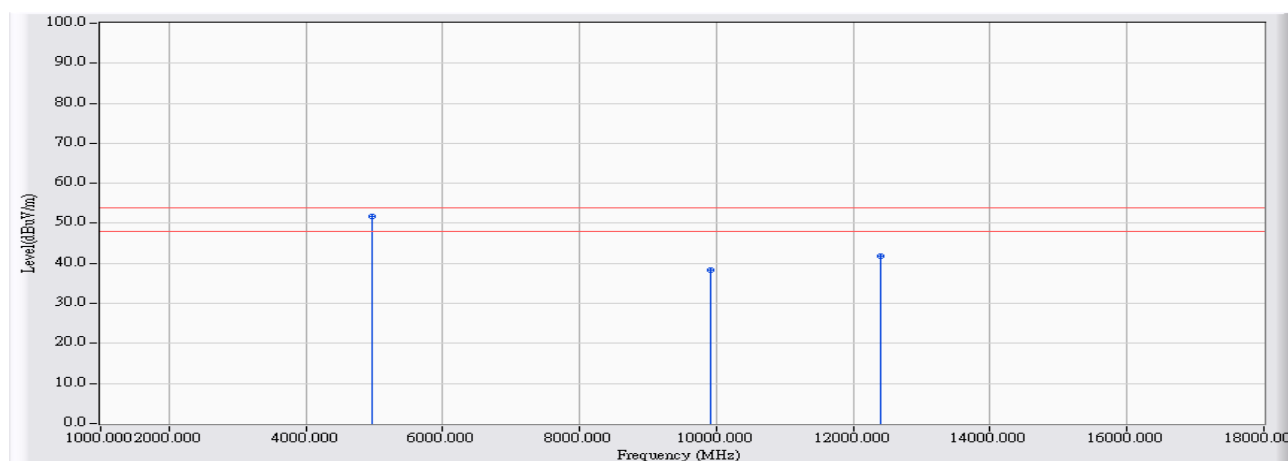


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4960.000	5.981	57.590	63.570	-10.430	74.000	PEAK
2		7440.000	13.760	34.240	48.000	-26.000	74.000	PEAK
3		9920.000	19.677	33.470	53.148	-20.852	74.000	PEAK
4		12400.000	23.508	32.830	56.338	-17.662	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 : CB2-H	Time : 2017/04/24
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : BT2.0_2DH5_2480MHz Mode 1: Tx-AD2055320

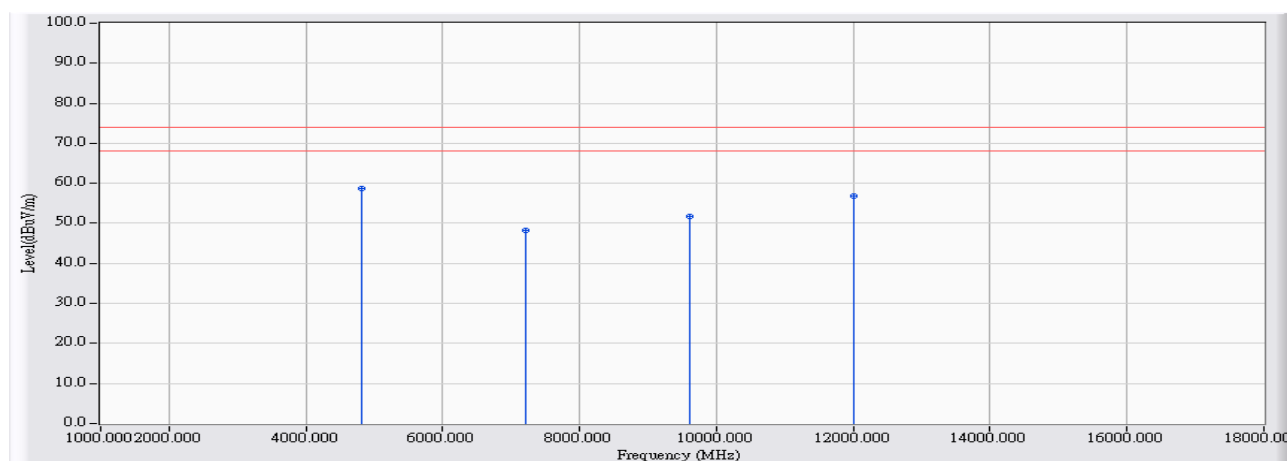


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4960.000	5.981	45.790	51.770	-2.230	54.000	AVERAGE
2		9920.000	19.677	18.640	38.318	-15.682	54.000	AVERAGE
3		12400.000	23.508	18.320	41.828	-12.172	54.000	AVERAGE

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 : CB2-H	Time : 2017/04/24
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : BT2.0_3DH5_2402MHz Mode 1: Tx-AD2055320

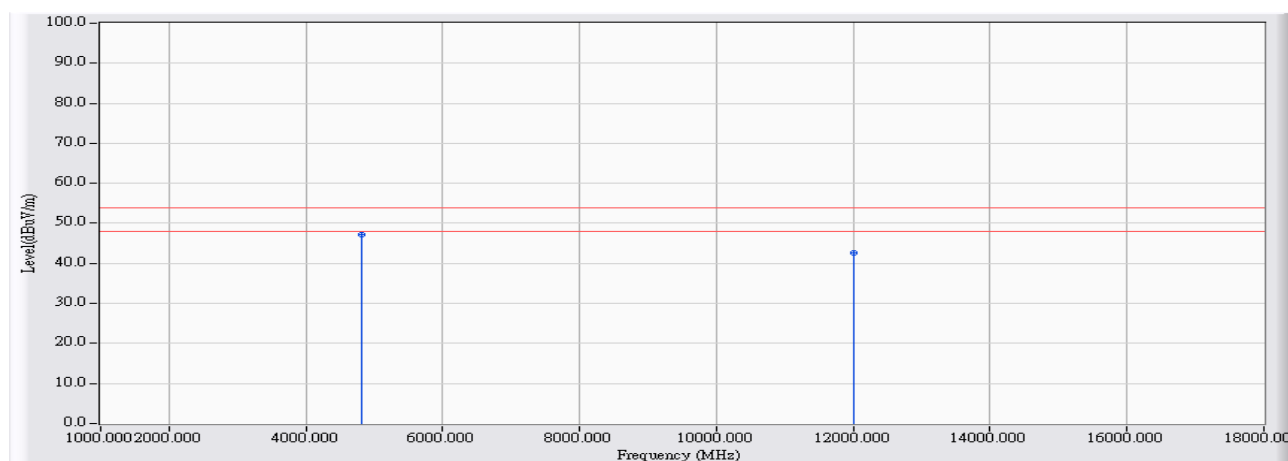


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4804.000	5.750	52.930	58.681	-15.319	74.000	PEAK
2		7206.000	12.860	35.320	48.179	-25.821	74.000	PEAK
3		9608.000	18.890	32.840	51.730	-22.270	74.000	PEAK
4		12010.000	22.963	33.760	56.723	-17.277	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 : CB2-H	Time : 2017/04/24
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : BT2.0_3DH5_2402MHz Mode 1: Tx-AD2055320

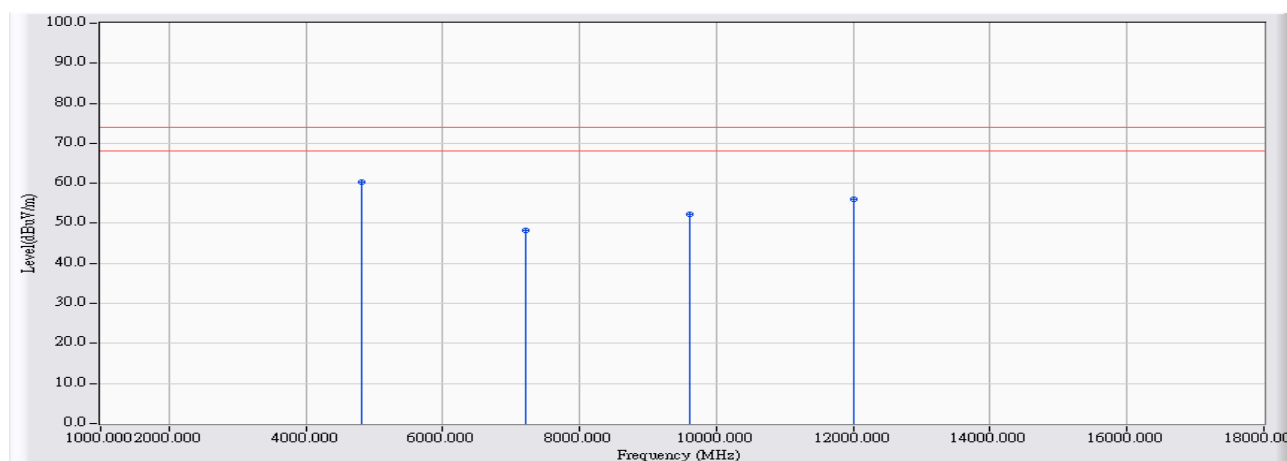


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4804.000	5.750	41.510	47.261	-6.739	54.000	AVERAGE
2		12010.000	22.963	19.570	42.533	-11.467	54.000	AVERAGE

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 : CB2-H	Time : 2017/04/24
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : BT2.0_3DH5_2402MHz Mode 1: Tx-AD2055320

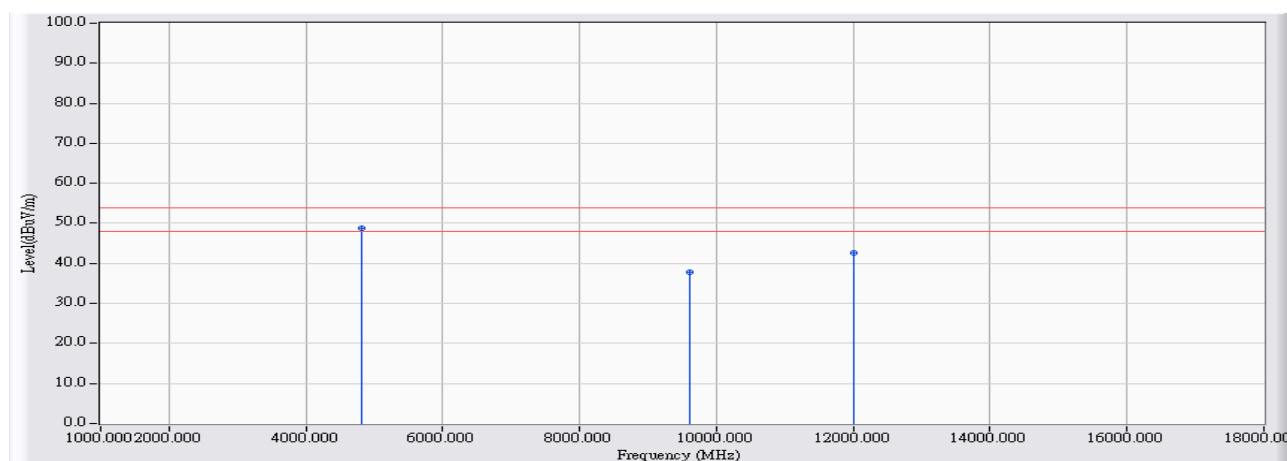


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4804.000	5.750	54.600	60.351	-13.649	74.000	PEAK
2		7206.000	12.860	35.370	48.229	-25.771	74.000	PEAK
3		9608.000	18.890	33.510	52.400	-21.600	74.000	PEAK
4		12010.000	22.963	33.180	56.143	-17.857	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 : CB2-H	Time : 2017/04/24
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : BT2.0_3DH5_2402MHz Mode 1: Tx-AD2055320

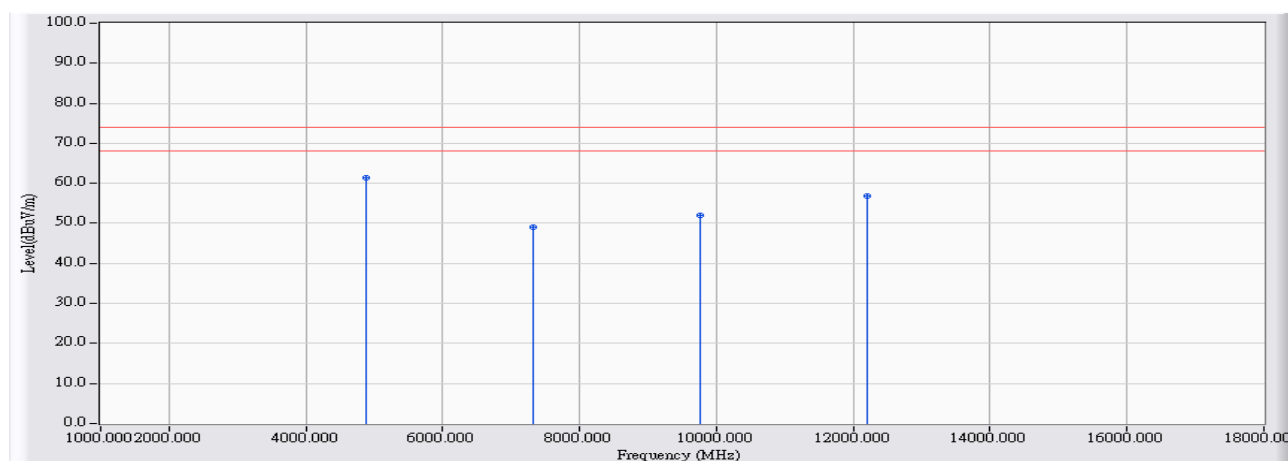


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4804.000	5.750	43.120	48.871	-5.129	54.000	AVERAGE
2		9608.000	18.890	18.840	37.730	-16.270	54.000	AVERAGE
3		12010.000	22.963	19.540	42.503	-11.497	54.000	AVERAGE

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 : CB2-H	Time : 2017/04/24
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : BT2.0_3DH5_2441MHz Mode 1: Tx-AD2055320

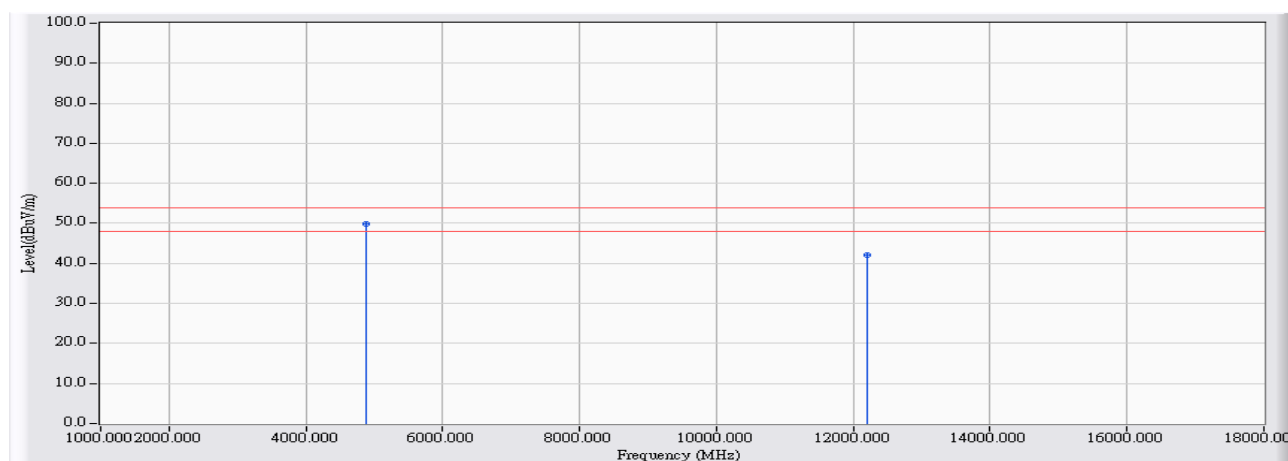


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4882.000	5.865	55.620	61.486	-12.514	74.000	PEAK
2		7323.000	13.308	35.720	49.028	-24.972	74.000	PEAK
3		9764.000	19.278	32.630	51.908	-22.092	74.000	PEAK
4		12205.000	22.418	34.500	56.918	-17.082	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 : CB2-H	Time : 2017/04/24
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : BT2.0_3DH5_2441MHz Mode 1: Tx-AD2055320

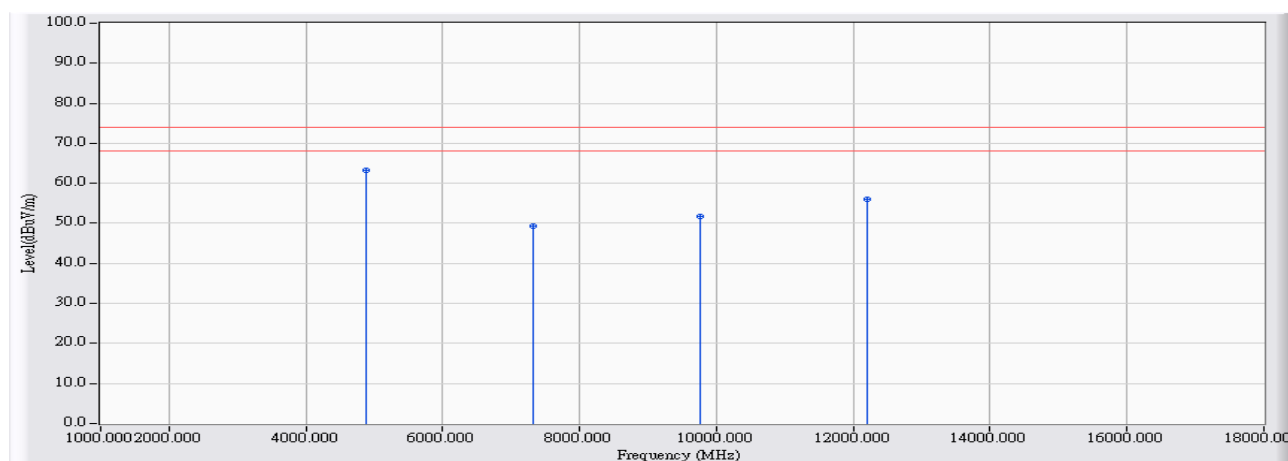


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4882.000	5.865	44.040	49.906	-4.094	54.000	AVERAGE
2		12205.000	22.418	19.670	42.088	-11.912	54.000	AVERAGE

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 : CB2-H	Time : 2017/04/24
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : BT2.0_3DH5_2441MHz Mode 1: Tx-AD2055320

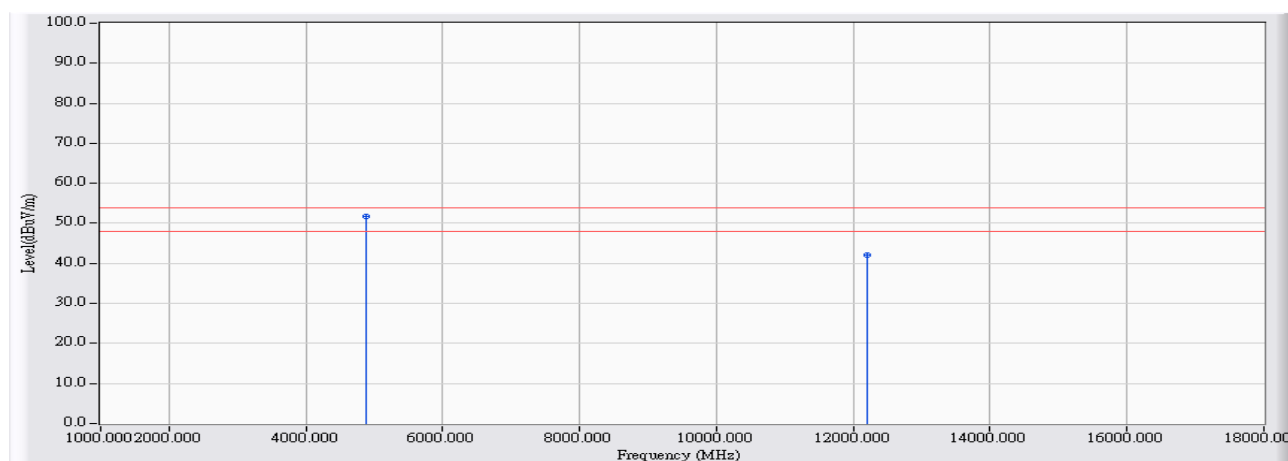


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4882.000	5.865	57.390	63.256	-10.744	74.000	PEAK
2		7323.000	13.308	35.950	49.258	-24.742	74.000	PEAK
3		9764.000	19.278	32.580	51.858	-22.142	74.000	PEAK
4		12205.000	22.418	33.710	56.128	-17.872	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 : CB2-H	Time : 2017/04/24
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : BT2.0_3DH5_2441MHz Mode 1: Tx-AD2055320

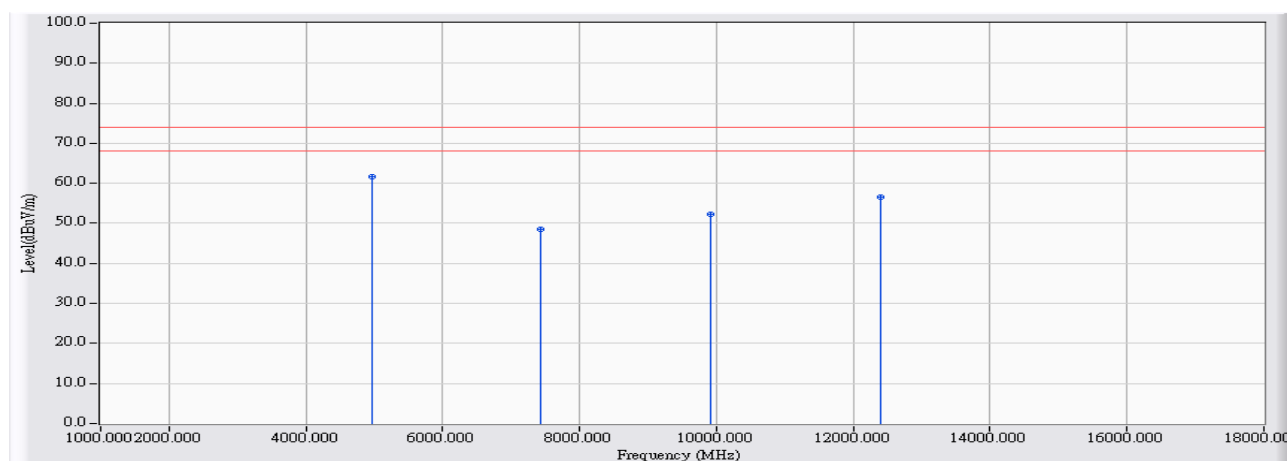


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4882.000	5.865	45.750	51.616	-2.384	54.000	AVERAGE
2		12205.000	22.418	19.600	42.018	-11.982	54.000	AVERAGE

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 : CB2-H	Time : 2017/04/24
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : BT2.0_3DH5_2480MHz Mode 1: Tx-AD2055320

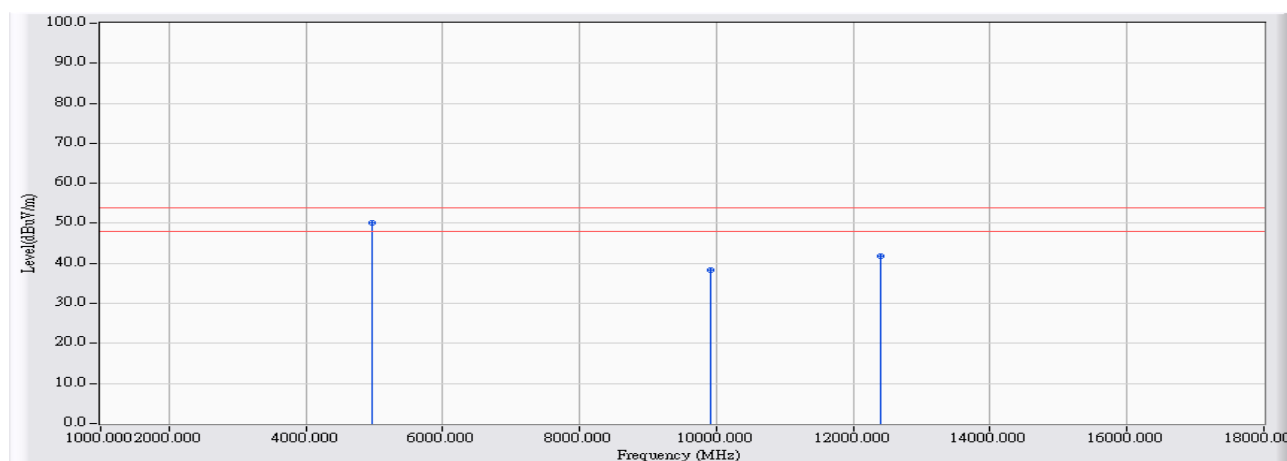


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4960.000	5.981	55.660	61.640	-12.360	74.000	PEAK
2		7440.000	13.760	34.840	48.600	-25.400	74.000	PEAK
3		9920.000	19.677	32.680	52.358	-21.642	74.000	PEAK
4		12400.000	23.508	32.930	56.438	-17.562	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 : CB2-H	Time : 2017/04/24
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : BT2.0_3DH5_2480MHz Mode 1: Tx-AD2055320

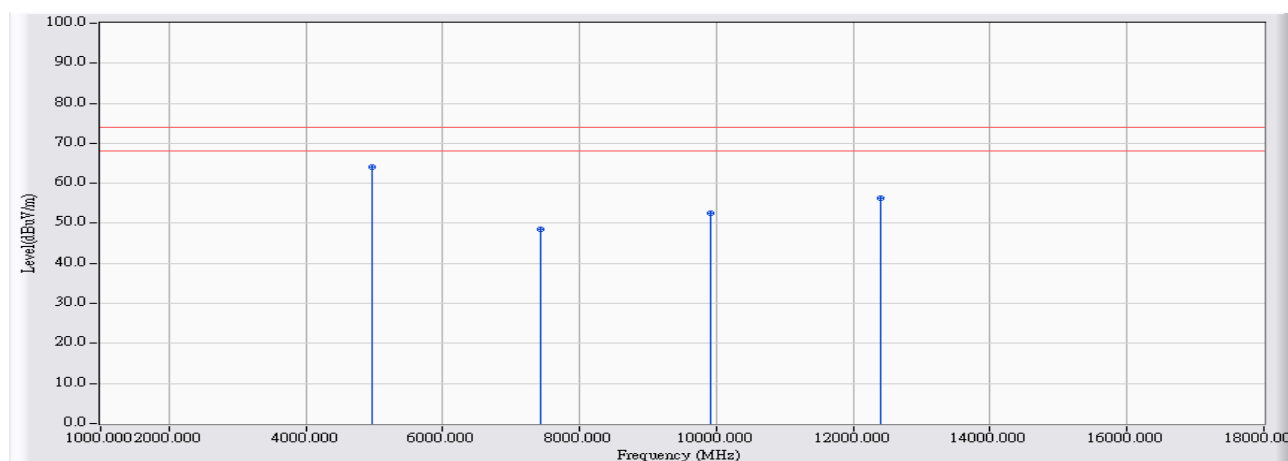


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4960.000	5.981	44.170	50.150	-3.850	54.000	AVERAGE
2		9920.000	19.677	18.630	38.308	-15.692	54.000	AVERAGE
3		12400.000	23.508	18.340	41.848	-12.152	54.000	AVERAGE

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 : CB2-H	Time : 2017/04/24
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : BT2.0_3DH5_2480MHz Mode 1: Tx-AD2055320

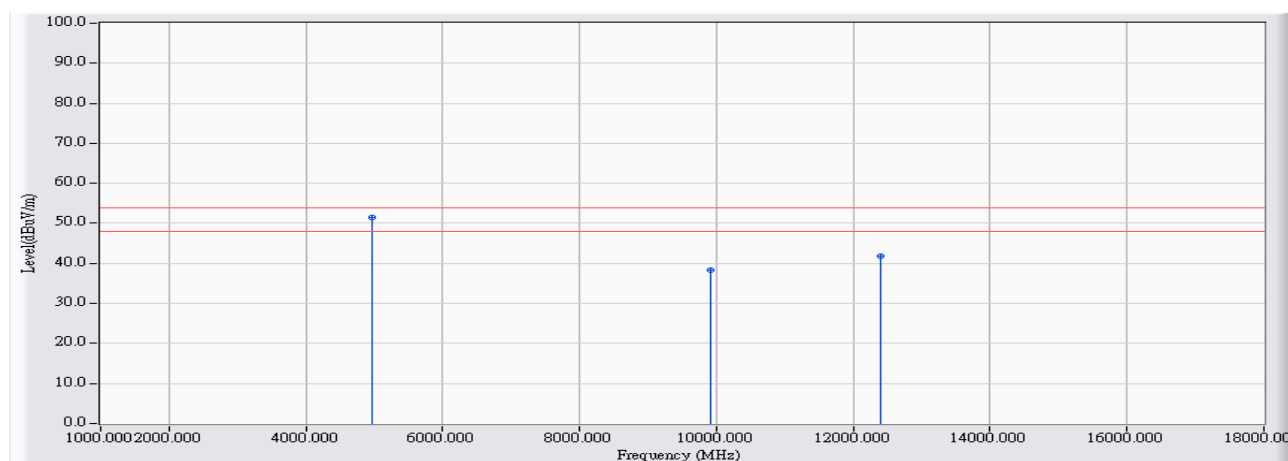


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4960.000	5.981	58.180	64.160	-9.840	74.000	PEAK
2		7440.000	13.760	34.870	48.630	-25.370	74.000	PEAK
3		9920.000	19.677	32.960	52.638	-21.362	74.000	PEAK
4		12400.000	23.508	32.660	56.168	-17.832	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 : CB2-H	Time : 2017/04/24
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : BT2.0_3DH5_2480MHz Mode 1: Tx-AD2055320



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4960.000	5.981	45.370	51.350	-2.650	54.000	AVERAGE
2		9920.000	19.677	18.590	38.268	-15.732	54.000	AVERAGE
3		12400.000	23.508	18.310	41.818	-12.182	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.

5. RF antenna conducted test

5.1. Test Equipment

The following test equipment is used during the test:

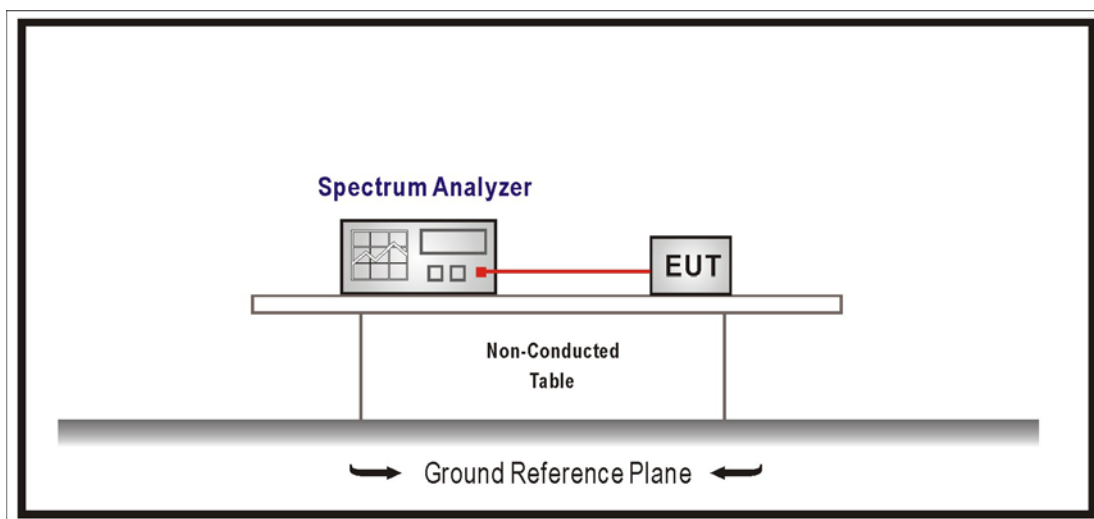
RF antenna conducted test / SR10-H

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A	US47140172	2016/08/09
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2017/03/13

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 Public Notice DA 00-705 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

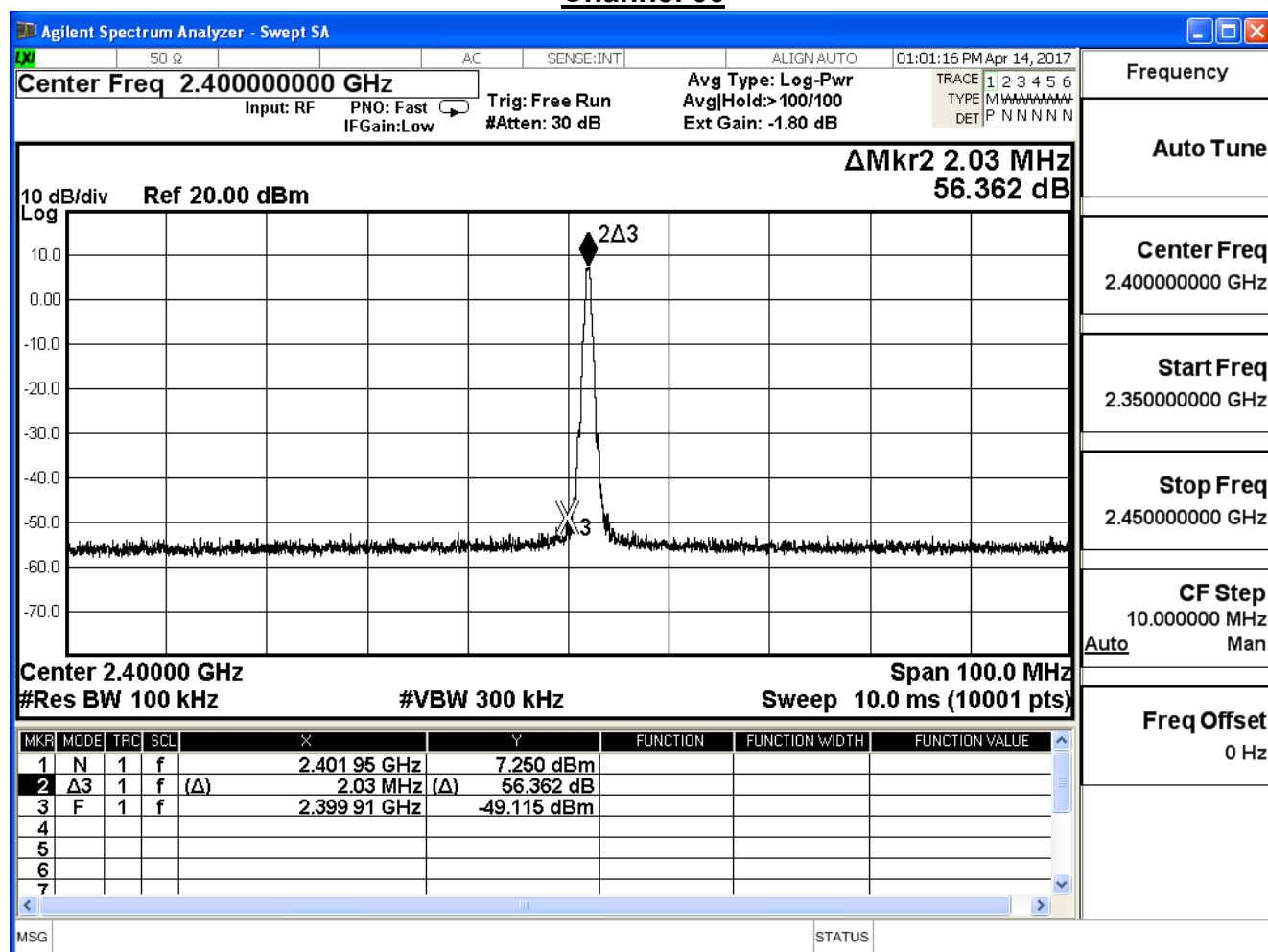
5.6. Test Result

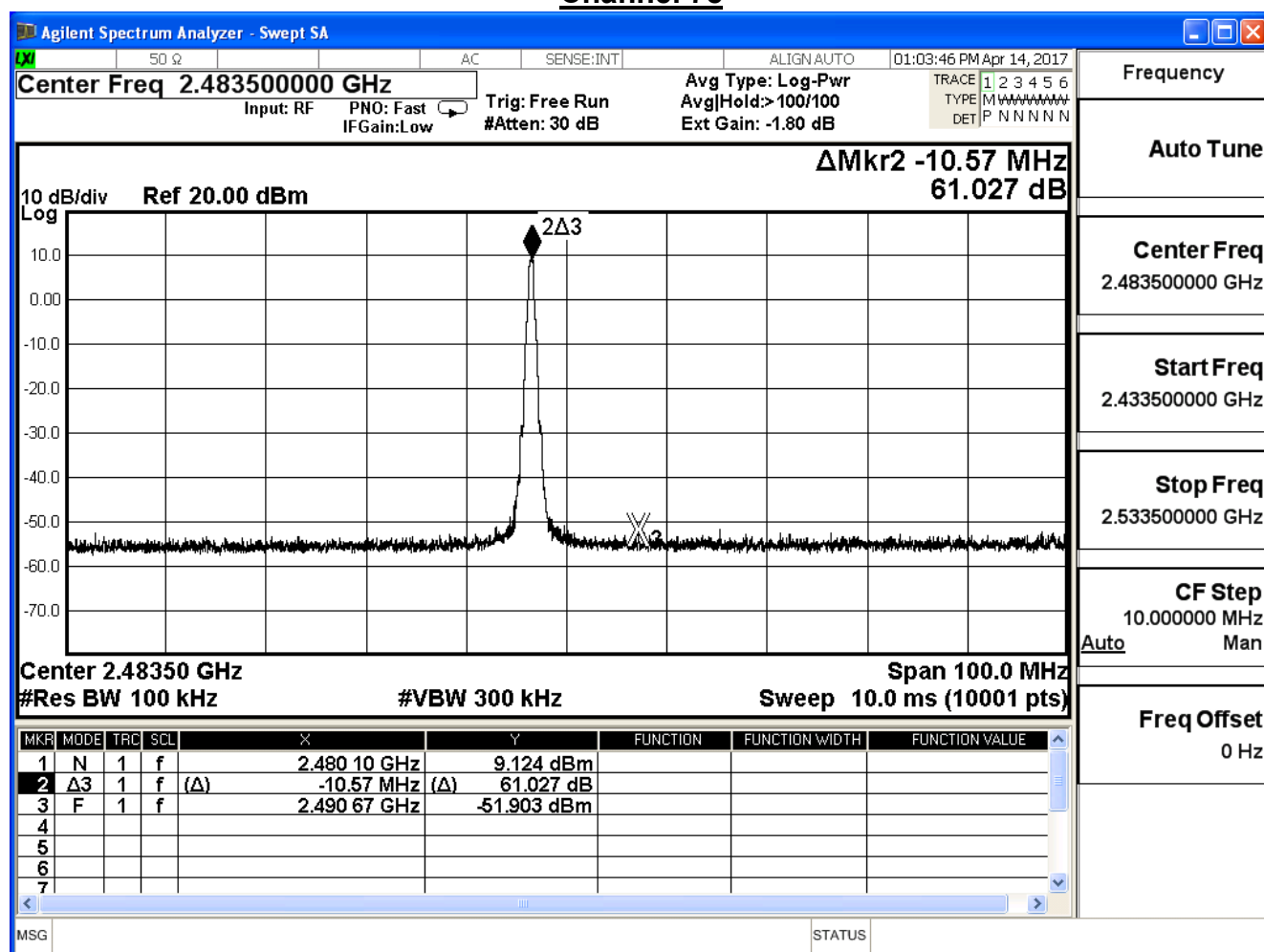
Product	Lyra		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Tx-AD2055320		
Date of Test	2017/04/14	Test Site	SR10-H

GFSK

Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
00	2402	56.362	≥ 20	Pass
78	2480	61.027	≥ 20	Pass

Channel 00

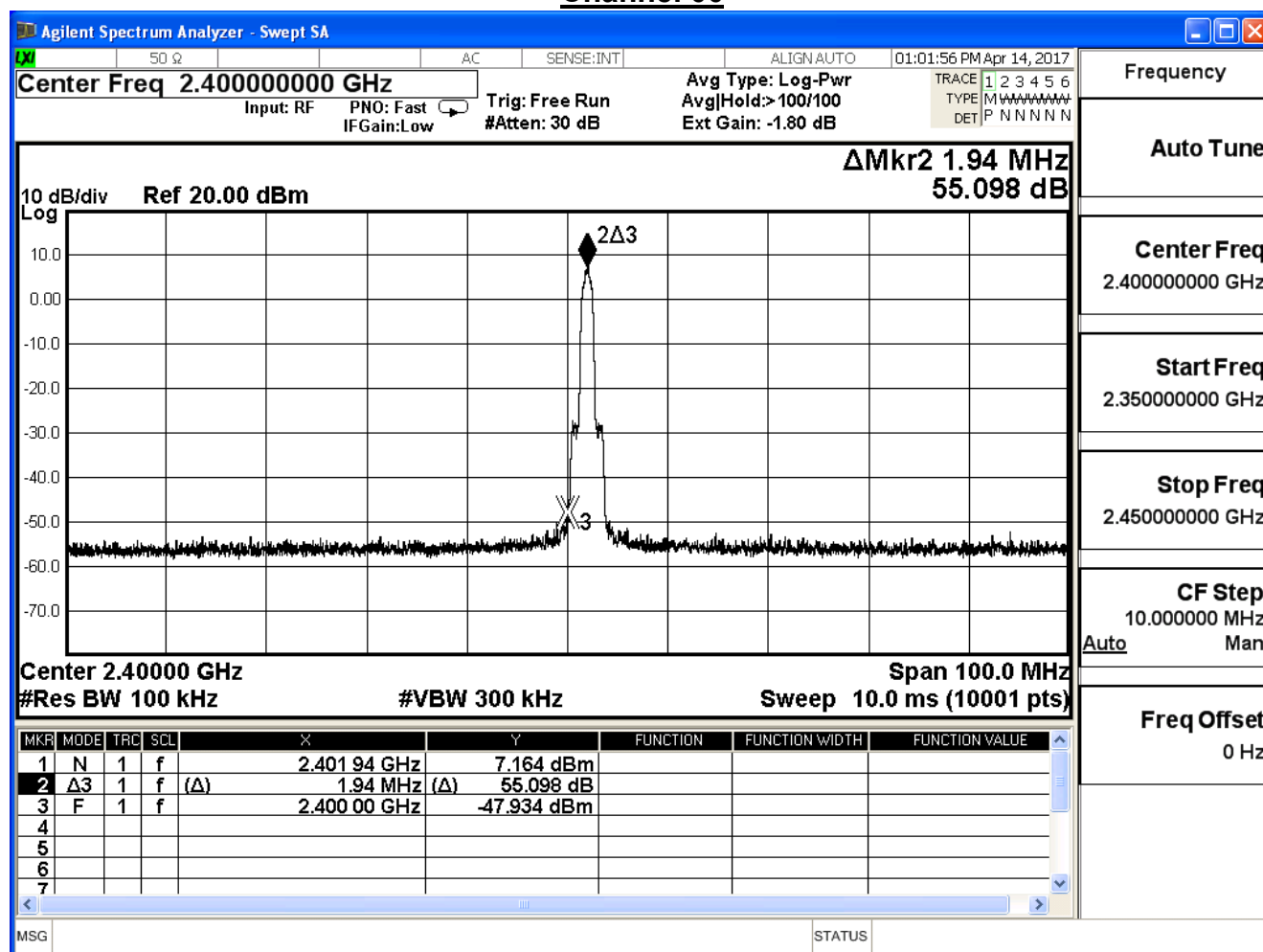


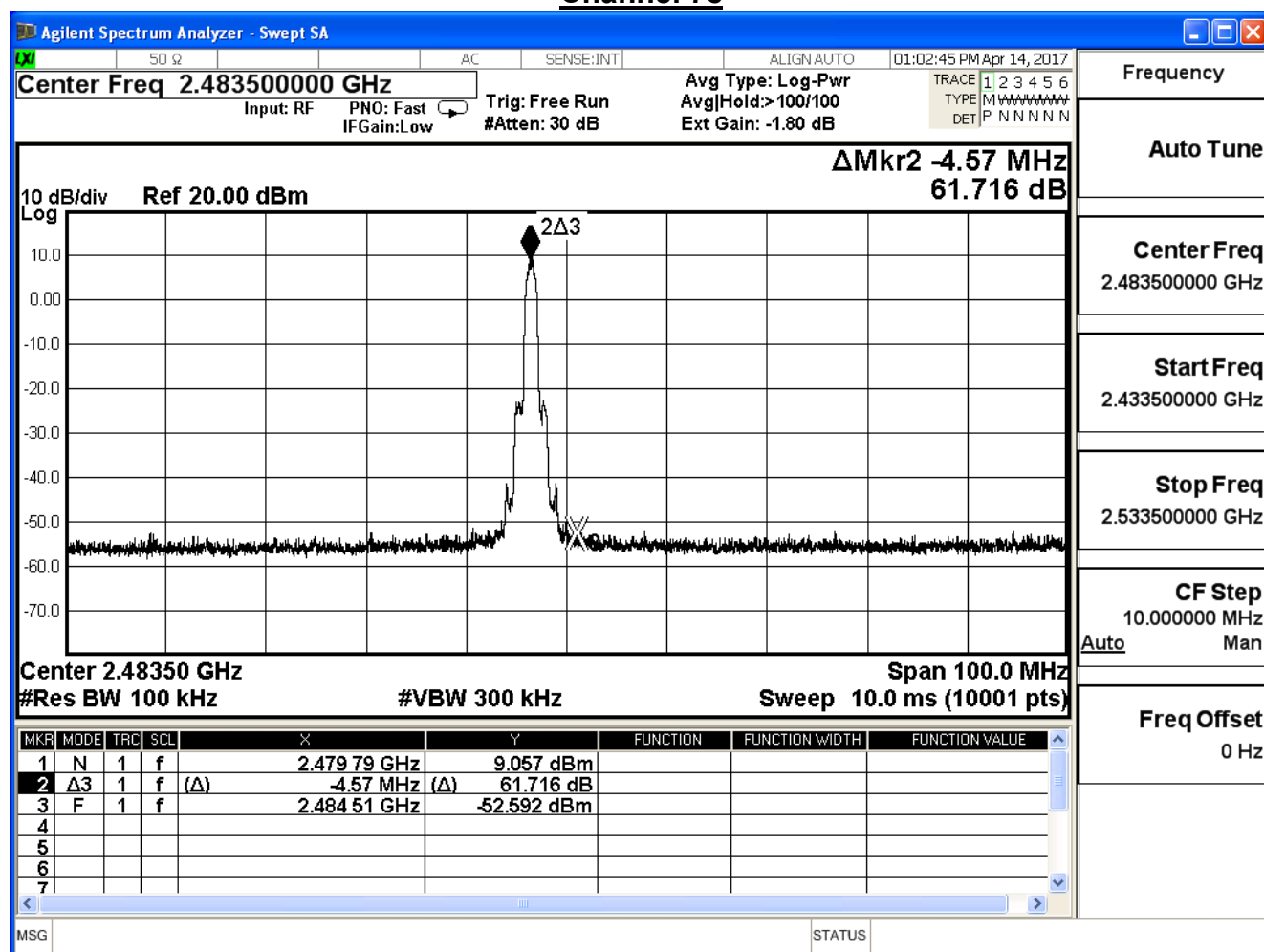
Channel 78

Product	Lyra		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Tx-AD2055320		
Date of Test	2017/04/14	Test Site	SR10-H

 $\pi/4$ -DQPSK

Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
00	2402	55.098	≥ 20	Pass
78	2480	61.716	≥ 20	Pass

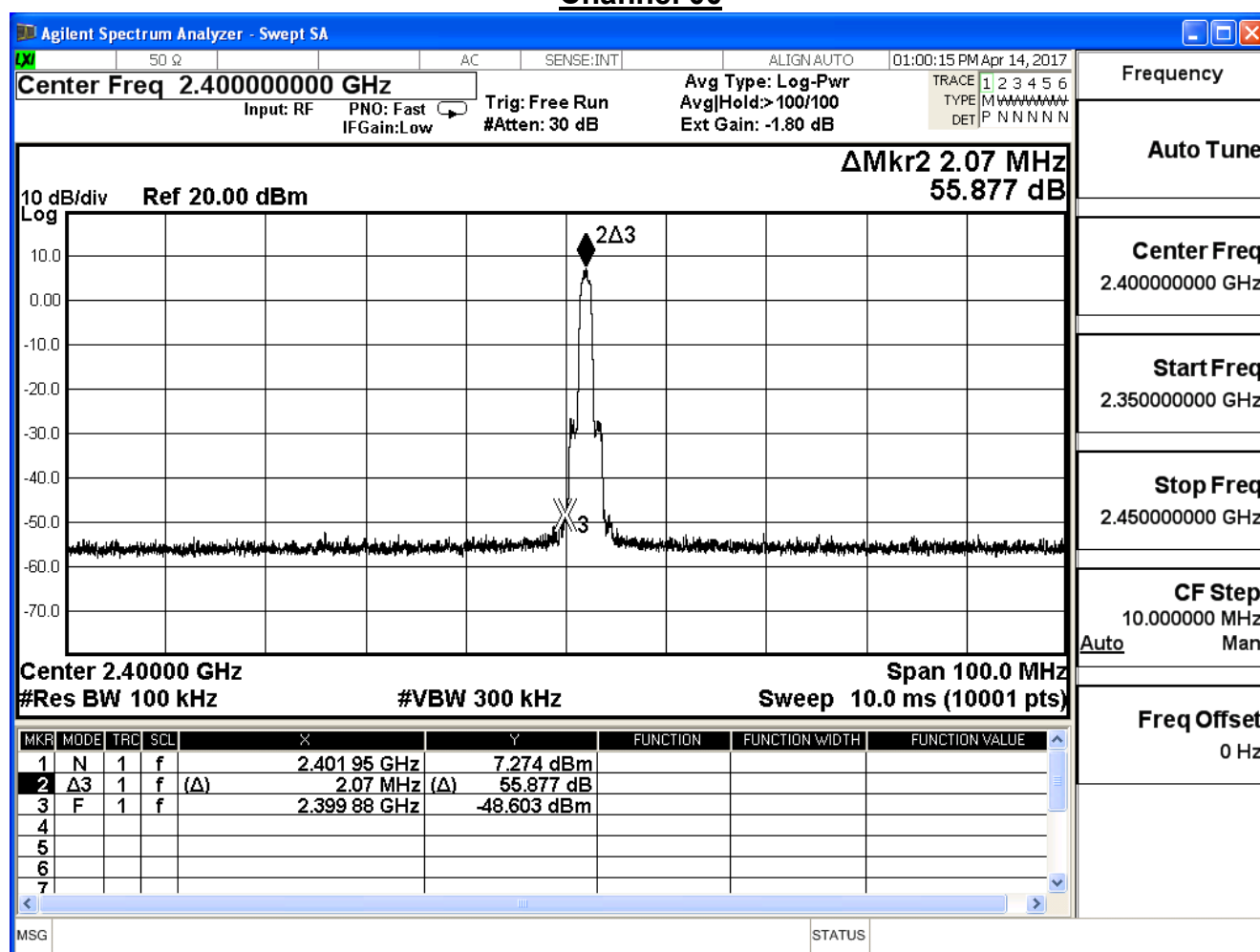
Channel 00

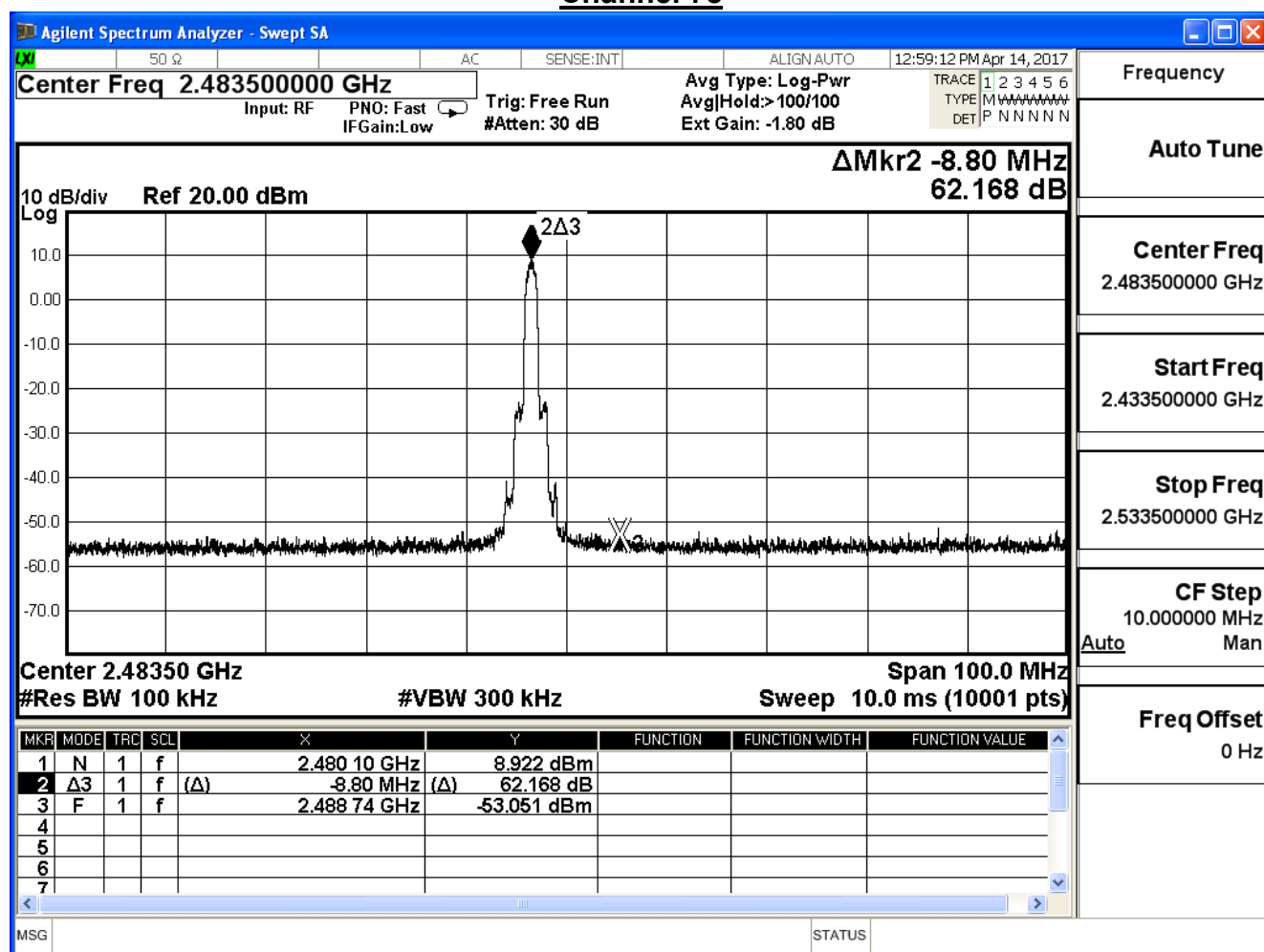
Channel 78

Product	Lyra		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Tx-AD2055320		
Date of Test	2017/04/14	Test Site	SR10-H

8-DPSK

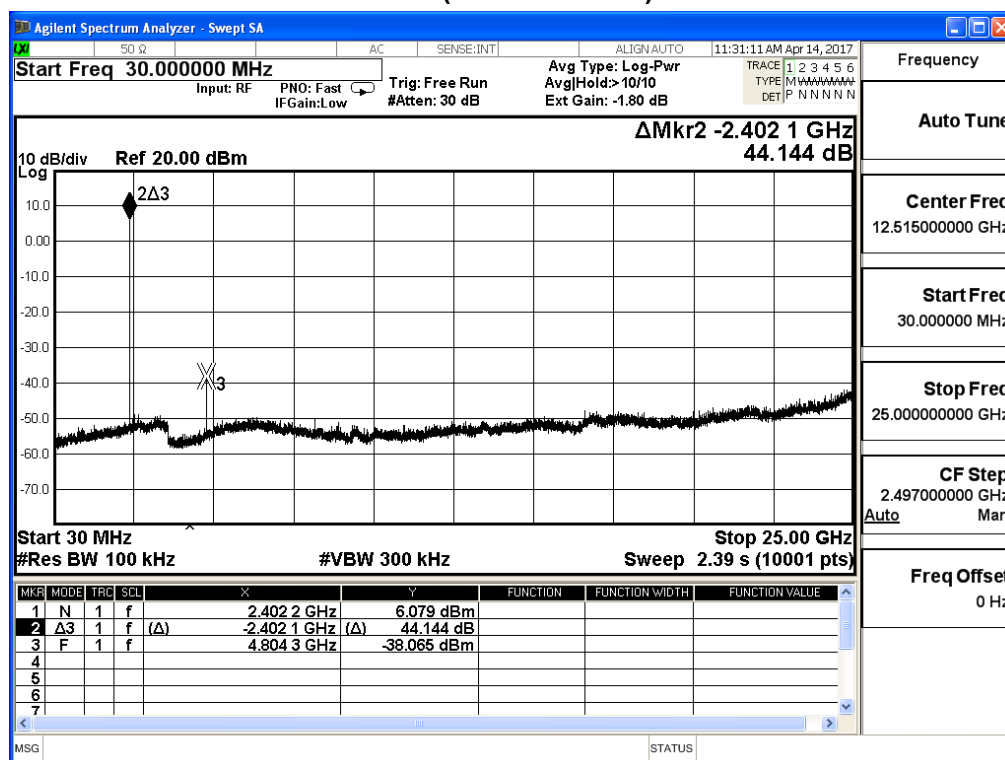
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
00	2402	55.877	≥ 20	Pass
78	2480	62.168	≥ 20	Pass

Channel 00

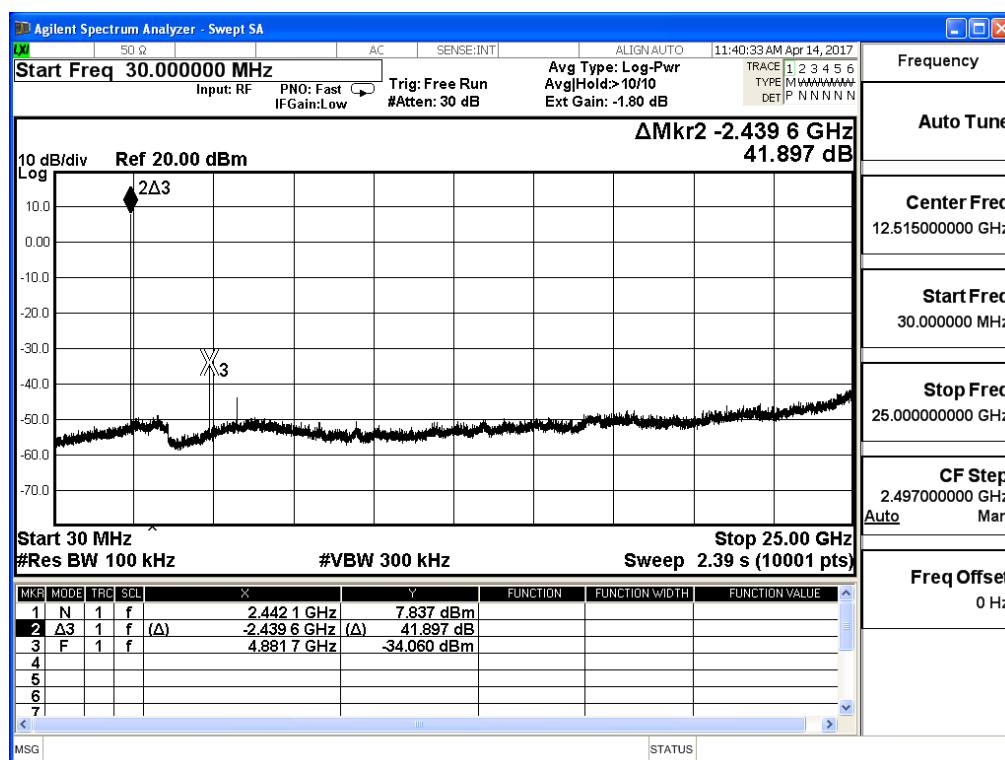
Channel 78

Product	Lyra		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Tx-AD2055320		
Date of Test	2017/04/14	Test Site	SR10-H

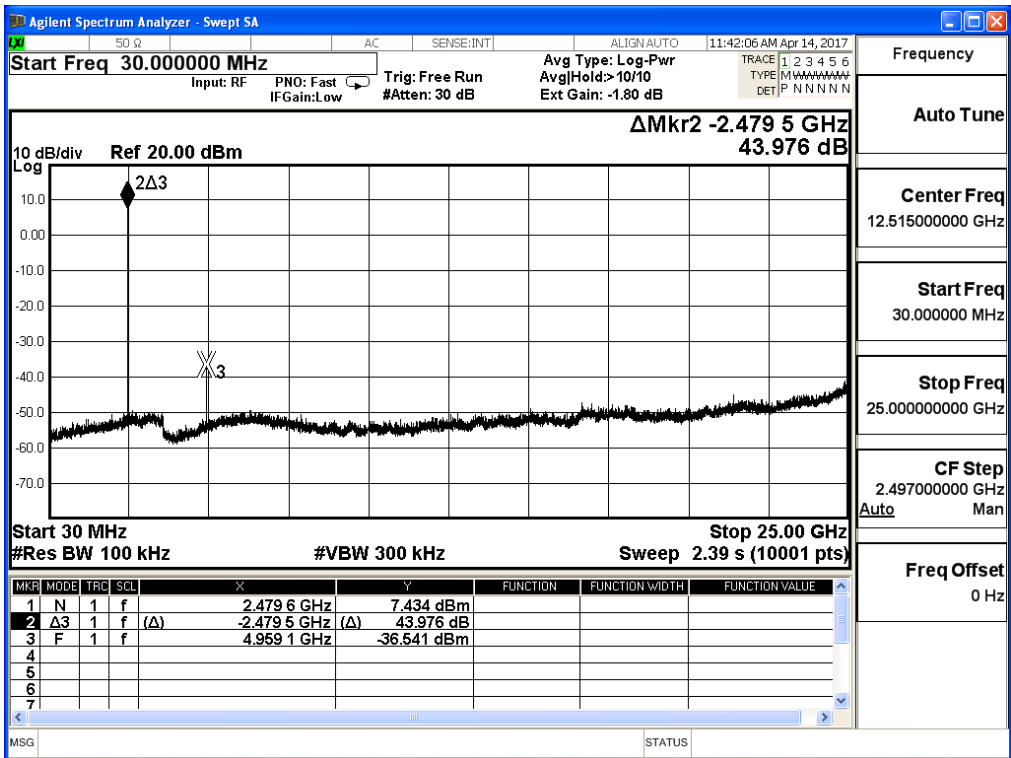
Channel 00 (30MHz-25GHz)- GFSK

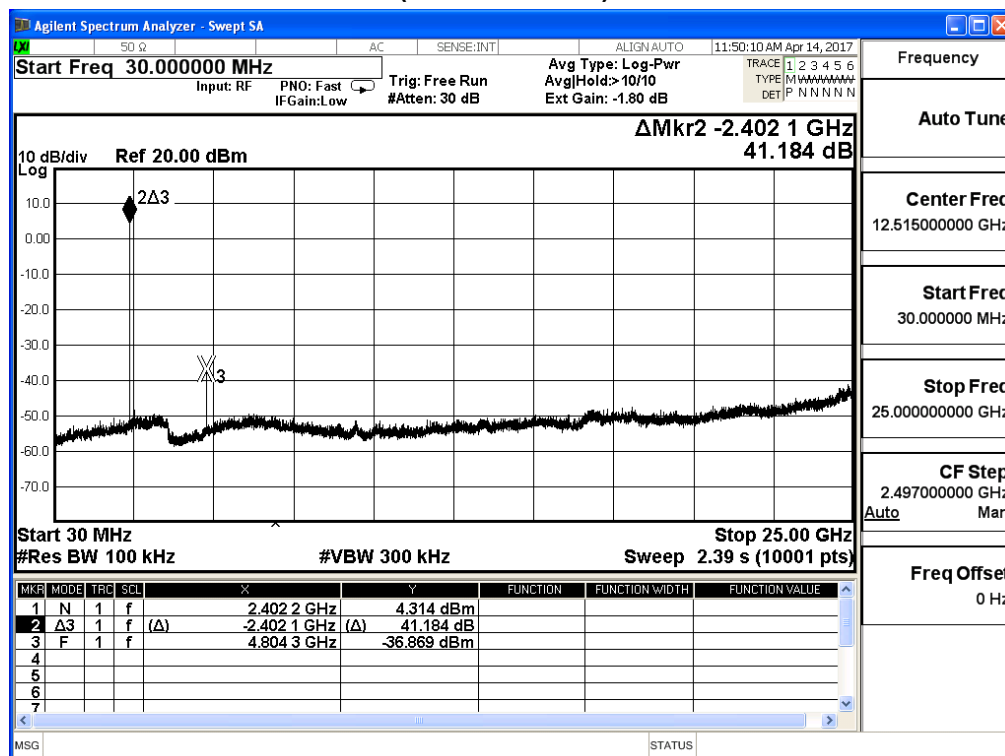
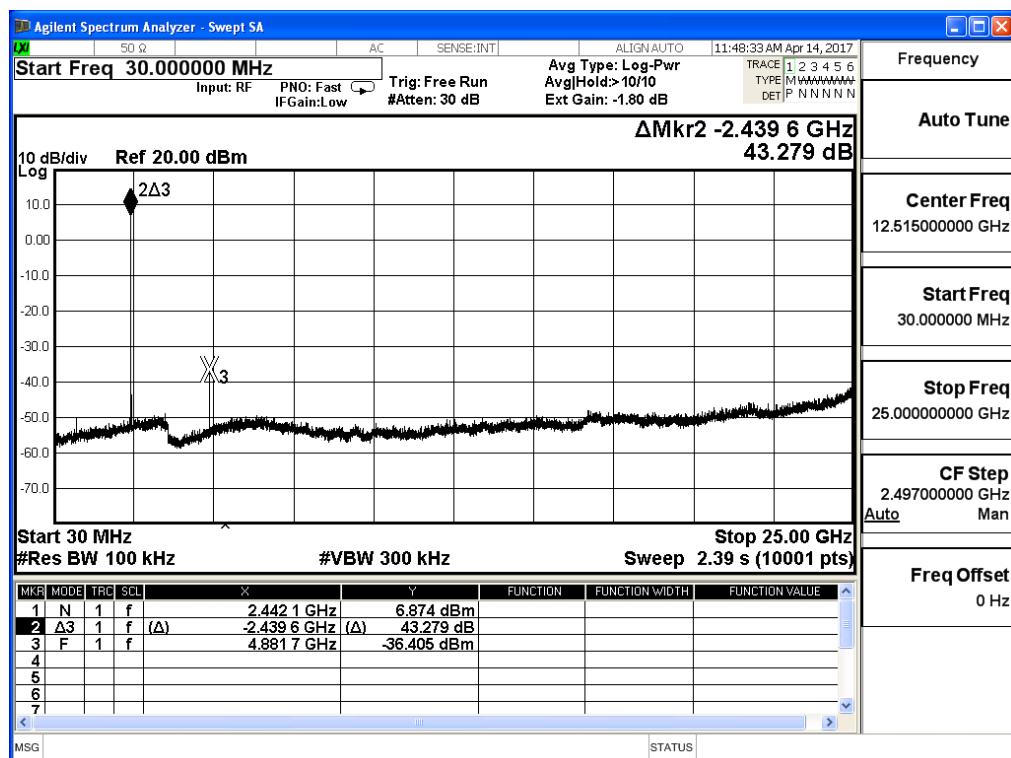


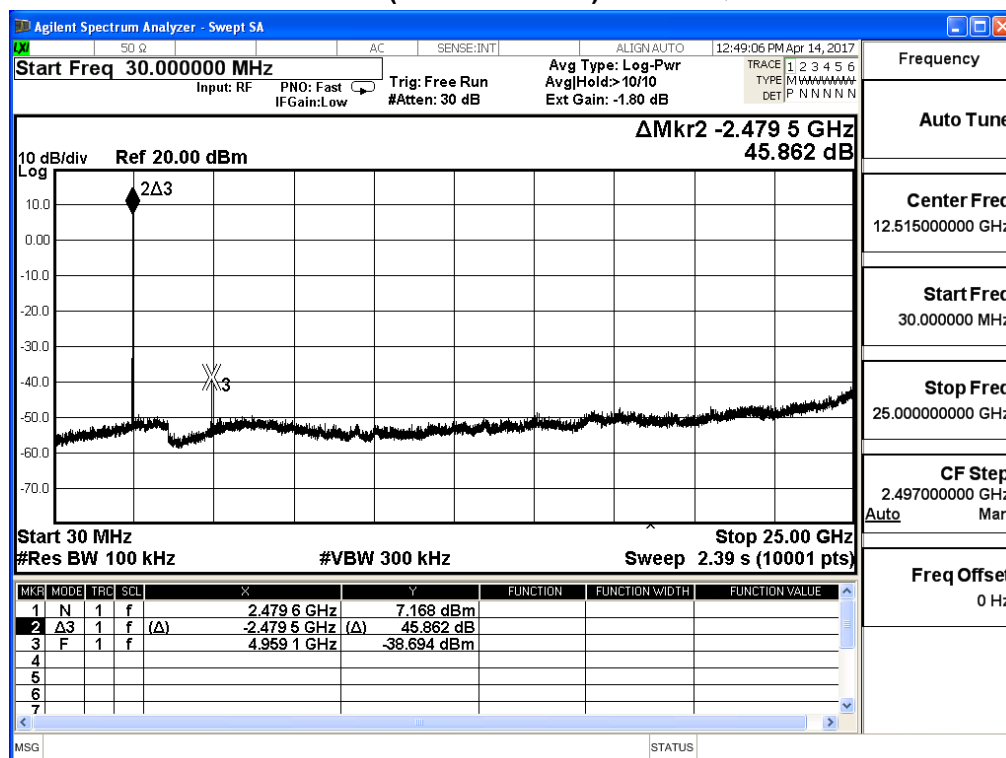
Channel 39 (30MHz-25GHz)- GFSK



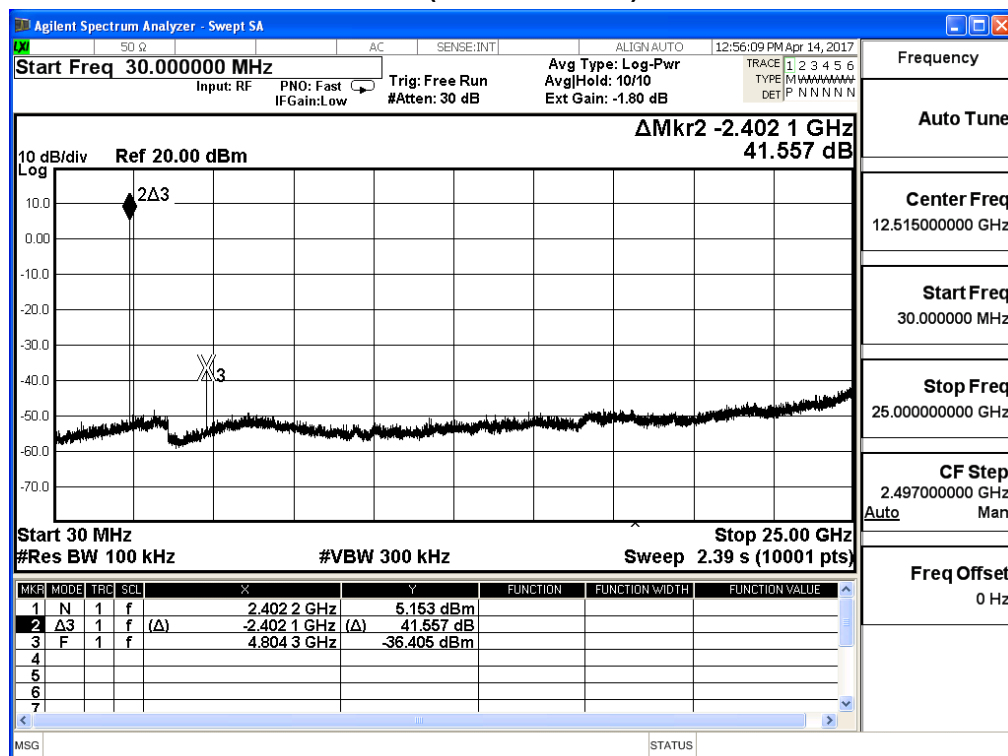
Channel 78 (30MHz-25GHz)- GFSK



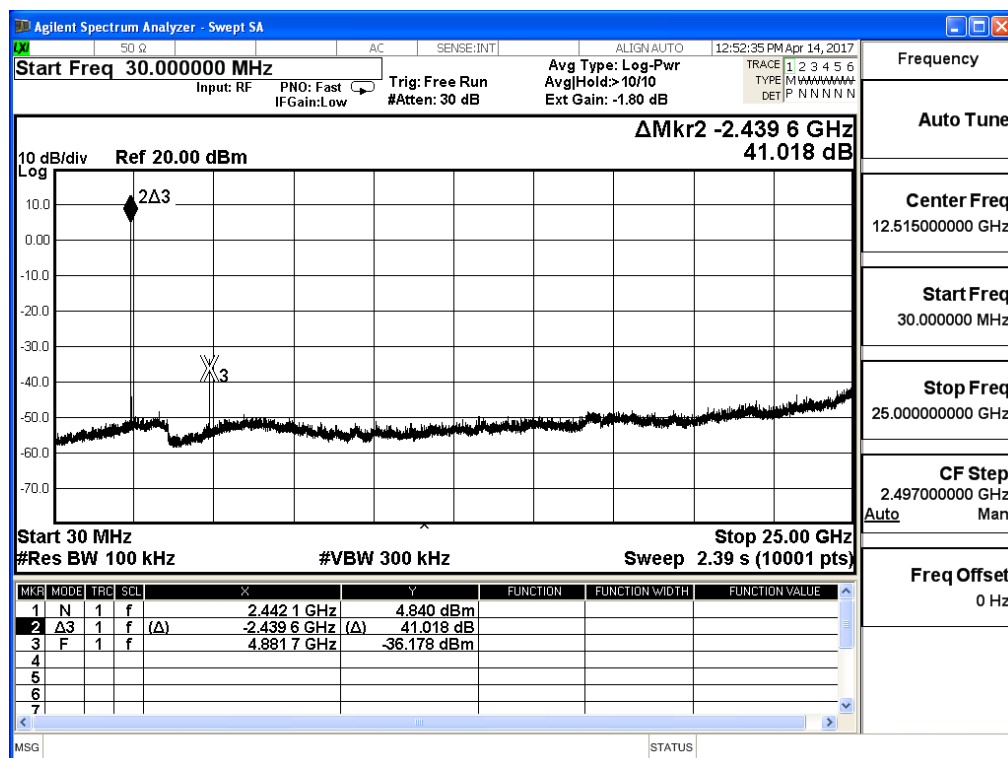
Channel 00 (30MHz-25GHz)- $\pi/4$ -DQPSKChannel 39 (30MHz-25GHz)- $\pi/4$ -DQPSK

Channel 78 (30MHz-25GHz)- $\pi/4$ -DQPSK

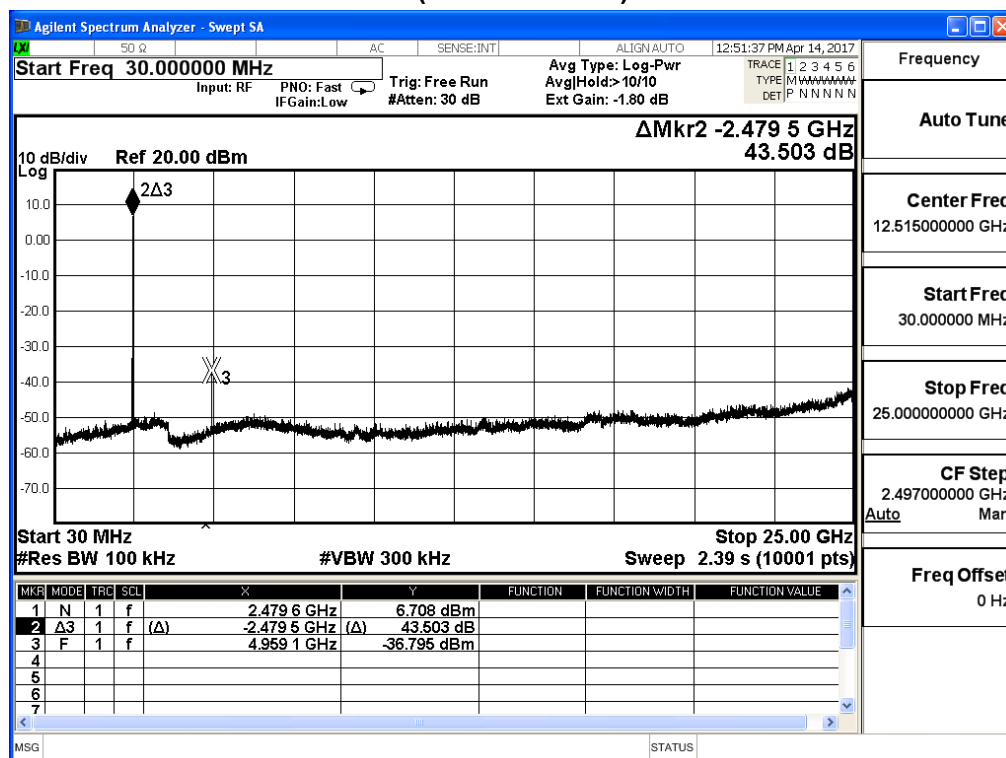
Channel 00 (30MHz-25GHz)- 8-DPSK



Channel 39 (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:

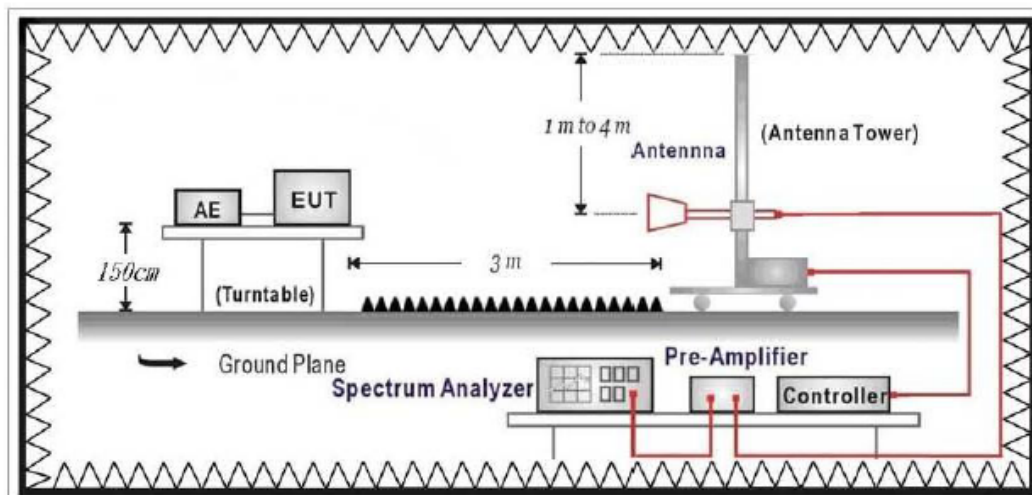
Band Edge / CB2-H

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Bilog Antenna	Schaffner	CBL6112B	2891	2017/08/14
Horn Antenna	Schwarzbeck	BBHA 9120	D312	2017/10/25
Pre-Amplifier	EMCI	EMC0031835	980233	2018/02/02
Pre-Amplifier	Schwarzbeck	DBL-1840N506	013	2017/09/29
Pre-Amplifier	Miteq	JS41-00104000 0-58-5P	1573954	2017/10/04
Horn Antenna	Schwarzbeck	BBHA 9170	203	2017/08/28
Signal & Spectrum Analyzer	R&S	FSV40	101049	2018/01/22

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 Public Notice DA 00-705 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.

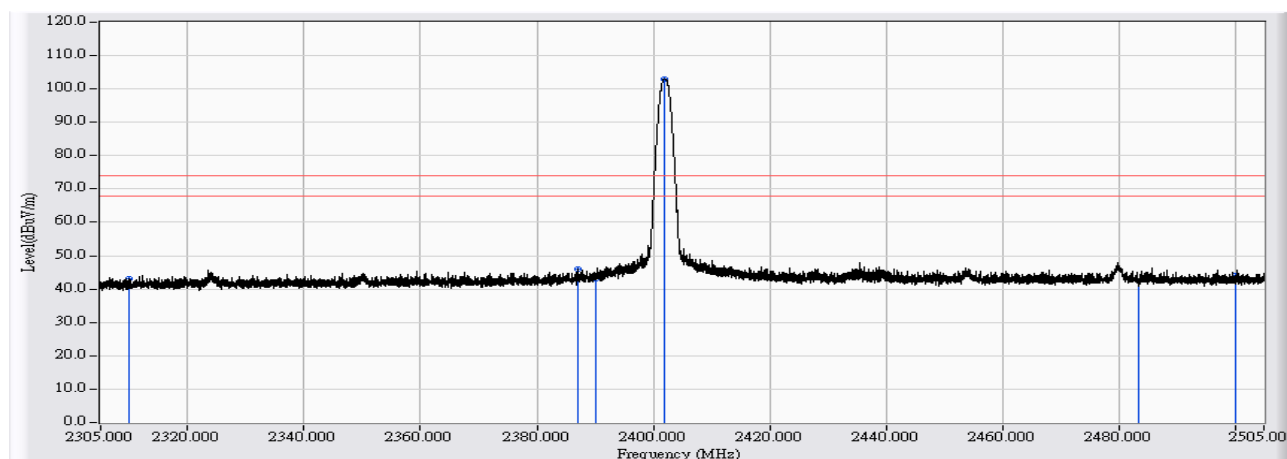
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10:2013 on radiated measurement.

6.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2015

6.6. Test Result

Site : CB2-H	Time : 2017/04/12
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.15.1_BT2.0_DH5_2402MHz Mode 1: Tx-AD2055320

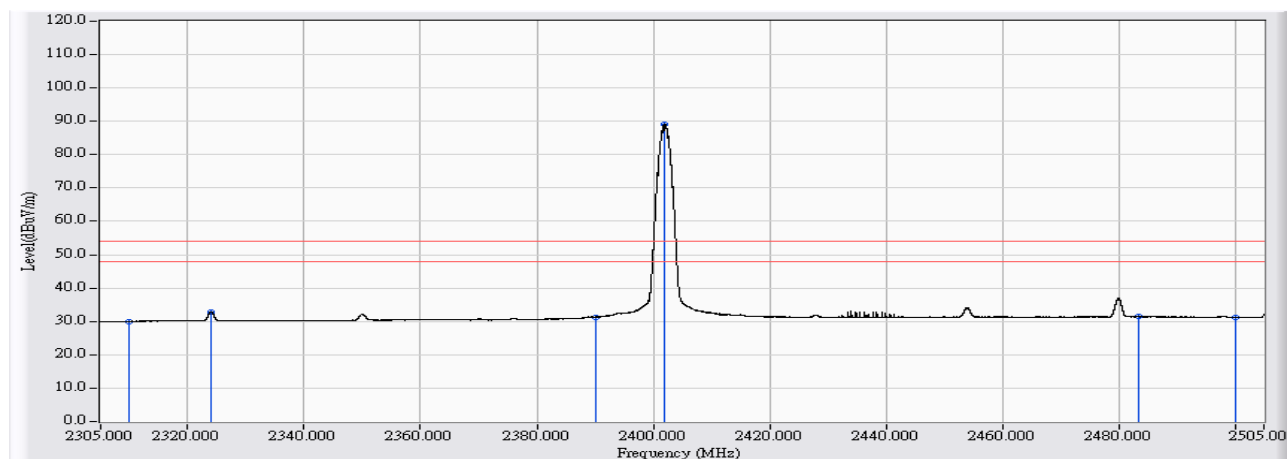


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	12.455	30.528	42.983	-31.017	74.000	PEAK
2		2386.972	13.099	32.814	45.913	-28.087	74.000	PEAK
3		2390.000	13.127	29.888	43.016	-30.984	74.000	PEAK
4	*	2401.870	13.138	89.751	102.889	28.889	74.000	PEAK
5		2483.500	13.725	28.610	42.335	-31.665	74.000	PEAK
6		2500.000	13.617	30.332	43.949	-30.051	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 : CB2-H	Time : 2017/04/12
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.15.1_BT2.0_DH5_2402MHz Mode 1: Tx-AD2055320

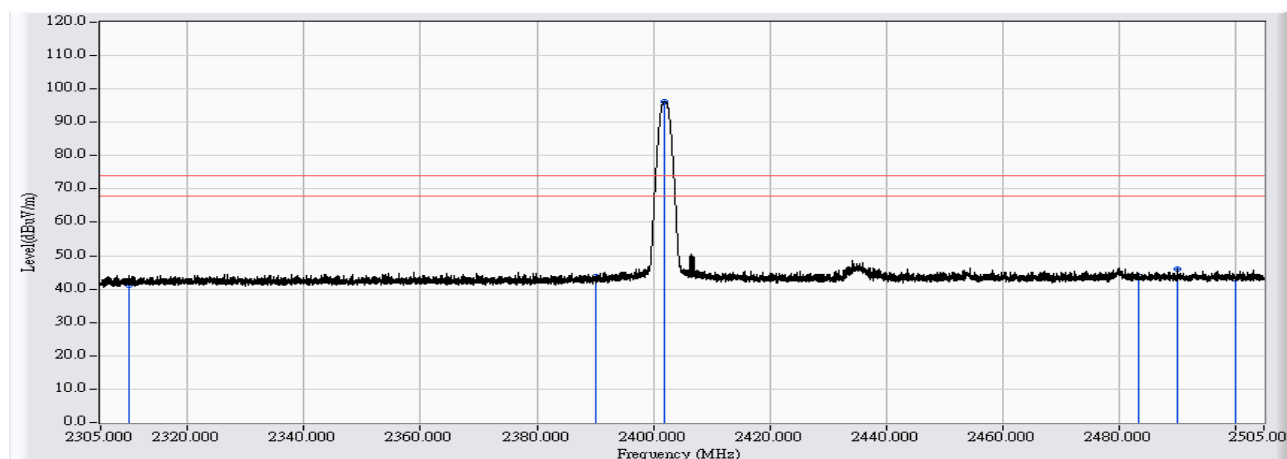


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	12.455	17.521	29.976	-24.024	54.000	AVERAGE
2		2323.898	12.665	20.185	32.850	-21.150	54.000	AVERAGE
3		2390.000	13.127	18.190	31.318	-22.682	54.000	AVERAGE
4	*	2401.970	13.138	76.042	89.181	35.181	54.000	AVERAGE
5		2483.500	13.725	17.691	31.416	-22.584	54.000	AVERAGE
6		2500.000	13.617	17.686	31.303	-22.697	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 : CB2-H	Time : 2017/04/12
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.15.1_BT2.0_DH5_2402MHz Mode 1: Tx-AD2055320

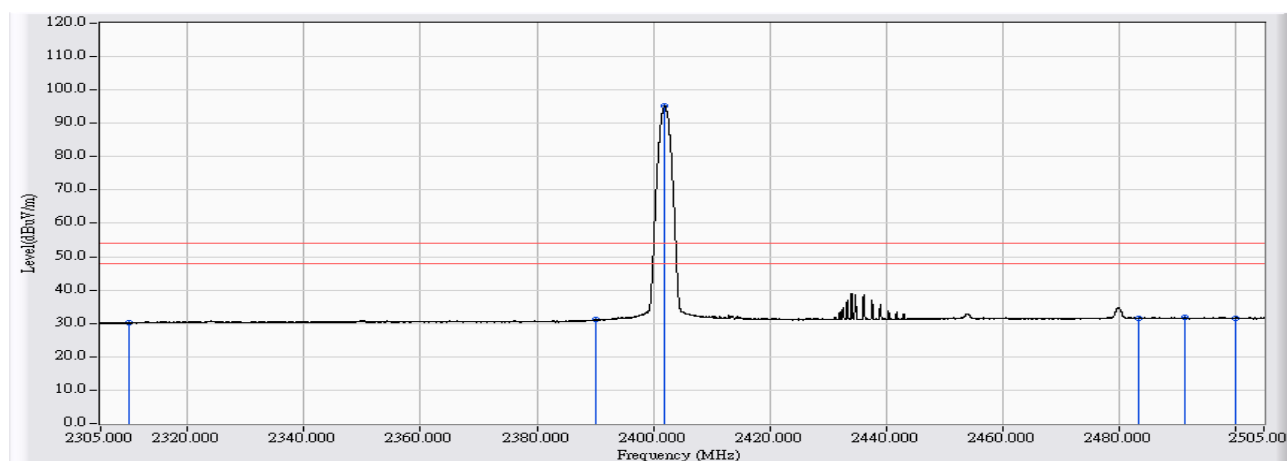


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	12.455	28.709	41.164	-32.836	74.000	PEAK
2		2390.000	13.127	30.539	43.667	-30.333	74.000	PEAK
3	*	2401.850	13.138	83.035	96.173	22.173	74.000	PEAK
4		2483.500	13.725	29.962	43.687	-30.313	74.000	PEAK
5		2490.061	13.707	32.164	45.872	-28.128	74.000	PEAK
6		2500.000	13.617	29.531	43.148	-30.852	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 : CB2-H	Time : 2017/04/12
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.15.1_BT2.0_DH5_2402MHz Mode 1: Tx-AD2055320

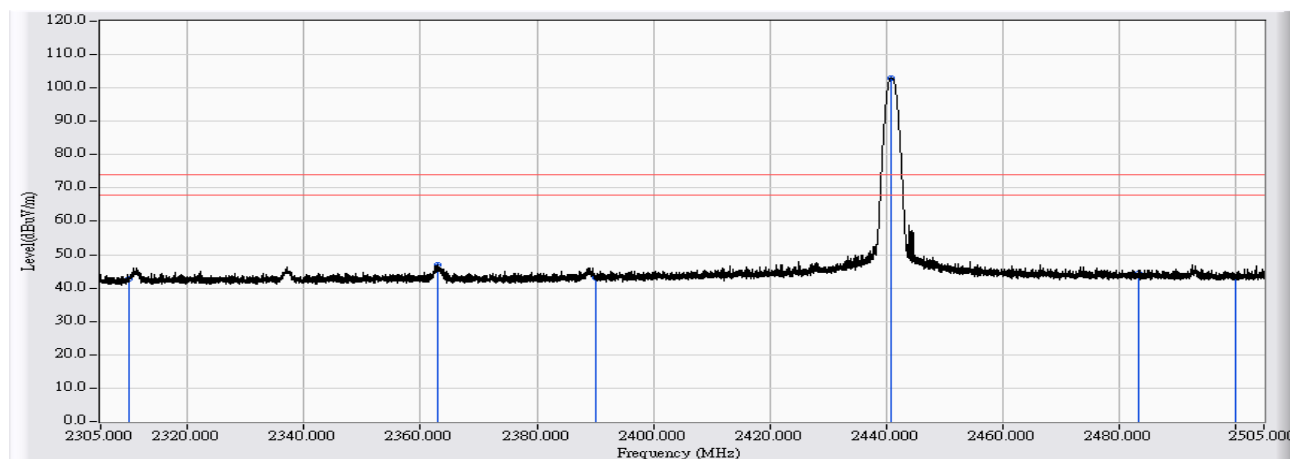


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	12.455	17.647	30.102	-23.898	54.000	AVERAGE
2		2390.000	13.127	17.956	31.084	-22.916	54.000	AVERAGE
3	*	2401.950	13.138	82.218	95.357	41.357	54.000	AVERAGE
4		2483.500	13.725	17.894	31.619	-22.381	54.000	AVERAGE
5		2491.321	13.701	18.108	31.809	-22.191	54.000	AVERAGE
6		2500.000	13.617	18.058	31.675	-22.325	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 : CB2-H	Time : 2017/04/12
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.15.1_BT2.0_DH5_2441MHz Mode 1: Tx-AD2055320



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	12.455	30.396	42.851	-31.149	74.000	PEAK
2		2362.954	12.926	34.201	47.127	-26.873	74.000	PEAK
3		2390.000	13.127	29.951	43.079	-30.921	74.000	PEAK
4	*	2440.826	13.399	89.459	102.858	28.858	74.000	PEAK
5		2483.500	13.725	30.735	44.460	-29.540	74.000	PEAK
6		2500.000	13.617	29.695	43.312	-30.688	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 : CB2-H	Time : 2017/04/12
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.15.1_BT2.0_DH5_2441MHz Mode 1: Tx-AD2055320

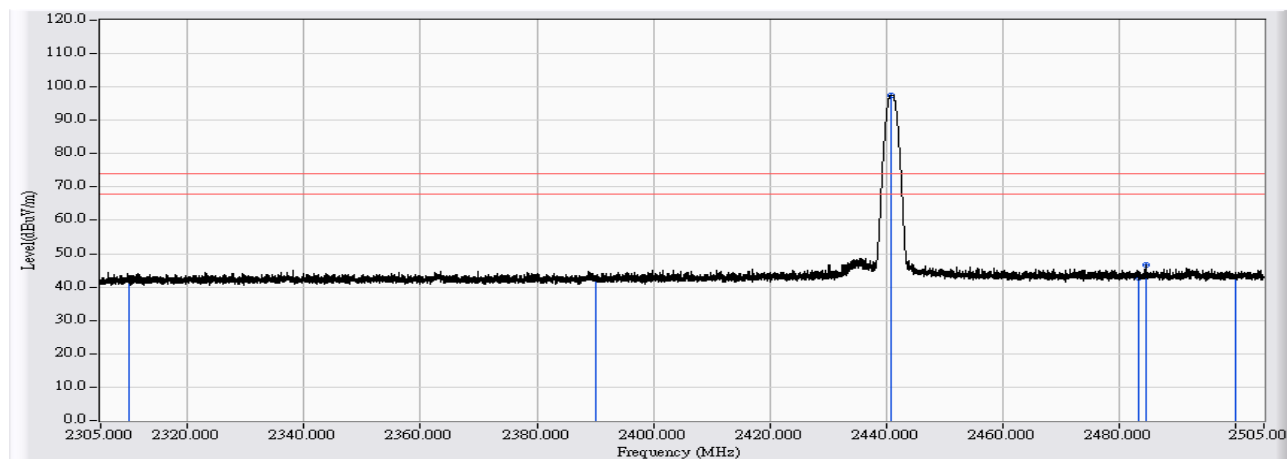


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	12.455	18.462	30.917	-23.083	54.000	AVERAGE
2		2362.894	12.925	24.335	37.261	-16.739	54.000	AVERAGE
3		2390.000	13.127	18.339	31.467	-22.533	54.000	AVERAGE
4	*	2440.966	13.400	88.619	102.019	48.019	54.000	AVERAGE
5		2483.500	13.725	18.290	32.015	-21.985	54.000	AVERAGE
6		2500.000	13.617	18.087	31.704	-22.296	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 : CB2-H	Time : 2017/04/12
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.15.1_BT2.0_DH5_2441MHz Mode 1: Tx-AD2055320



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	12.455	29.746	42.201	-31.799	74.000	PEAK
2		2390.000	13.127	29.362	42.490	-31.510	74.000	PEAK
3	*	2440.826	13.399	84.154	97.553	23.553	74.000	PEAK
4		2483.500	13.725	28.919	42.644	-31.356	74.000	PEAK
5		2484.642	13.727	32.824	46.550	-27.450	74.000	PEAK
6		2500.000	13.617	29.592	43.209	-30.791	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 : CB2-H	Time : 2017/04/12
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.15.1_BT2.0_DH5_2441MHz Mode 1: Tx-AD2055320

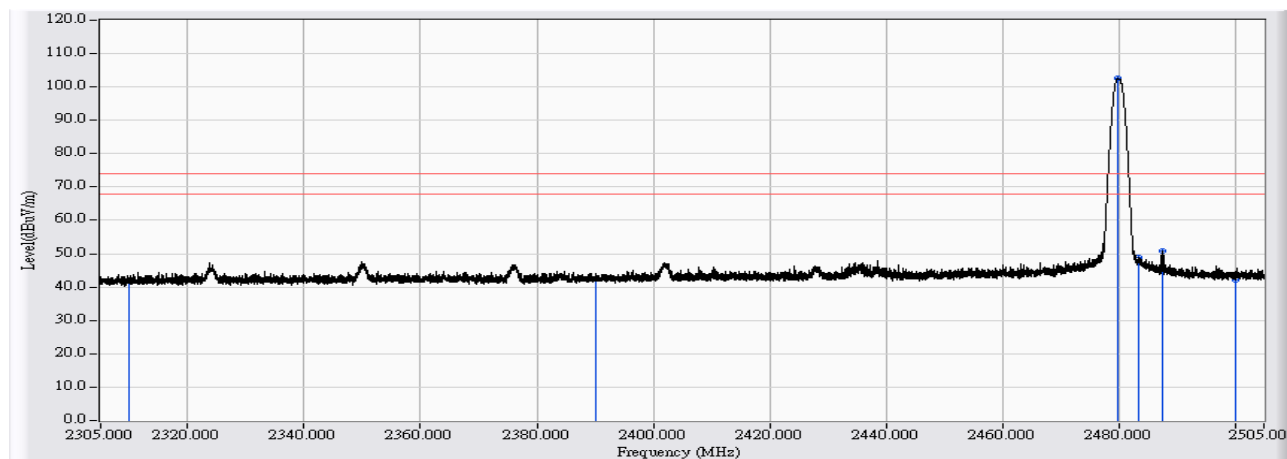


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	12.455	17.759	30.214	-23.786	54.000	AVERAGE
2		2390.000	13.127	17.401	30.529	-23.471	54.000	AVERAGE
3	*	2440.926	13.400	83.338	96.738	42.738	54.000	AVERAGE
4		2483.500	13.725	17.964	31.689	-22.311	54.000	AVERAGE
5		2493.261	13.679	18.749	32.428	-21.572	54.000	AVERAGE
6		2500.000	13.617	17.999	31.616	-22.384	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 : CB2-H	Time : 2017/04/12
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.15.1_BT2.0_DH5_2480MHz Mode 1: Tx-AD2055320

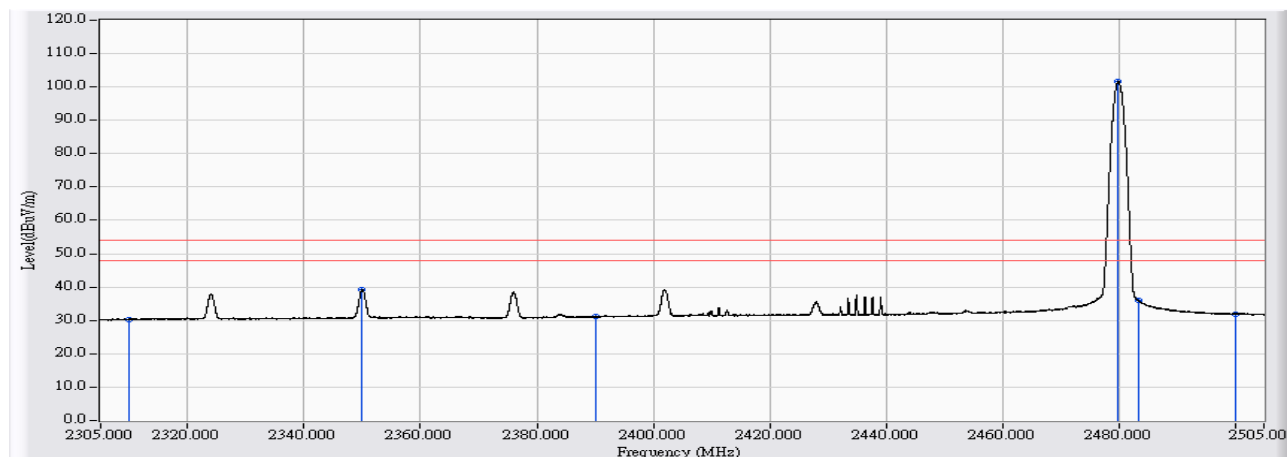


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	12.455	29.741	42.196	-31.804	74.000	PEAK
2		2390.000	13.127	29.210	42.338	-31.662	74.000	PEAK
3	*	2479.842	13.700	88.795	102.495	28.495	74.000	PEAK
4		2483.500	13.725	35.145	48.870	-25.130	74.000	PEAK
5		2487.682	13.716	36.987	50.703	-23.297	74.000	PEAK
6		2500.000	13.617	28.513	42.130	-31.870	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 : CB2-H	Time : 2017/04/12
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.15.1_BT2.0_DH5_2480MHz Mode 1: Tx-AD2055320

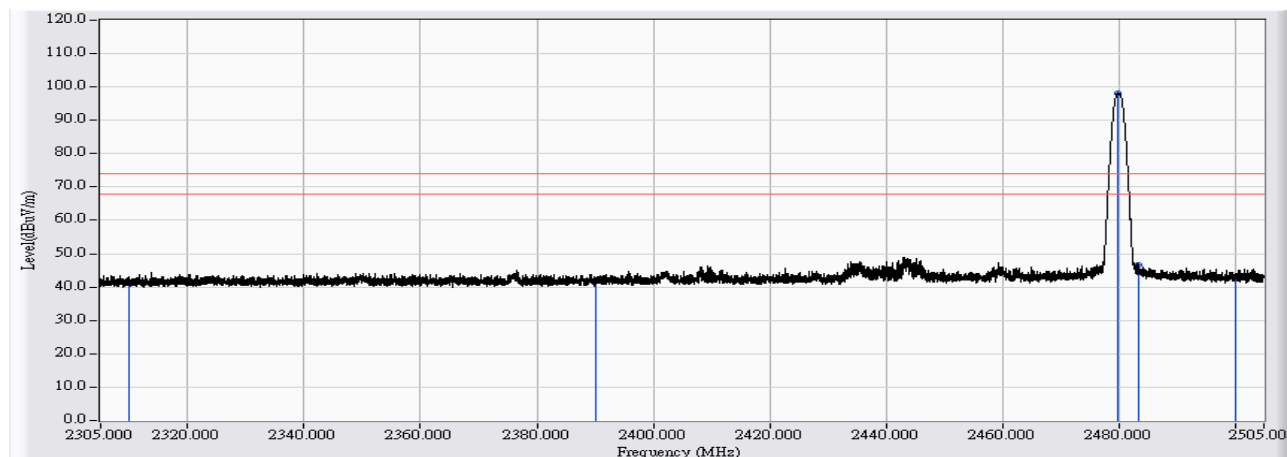


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	12.455	17.784	30.239	-23.761	54.000	AVERAGE
2		2349.935	12.782	26.503	39.284	-14.716	54.000	AVERAGE
3		2390.000	13.127	17.994	31.122	-22.878	54.000	AVERAGE
4	*	2479.982	13.701	88.048	101.749	47.749	54.000	AVERAGE
5		2483.500	13.725	22.214	35.939	-18.061	54.000	AVERAGE
6		2500.000	13.617	18.231	31.848	-22.152	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 : CB2-H	Time : 2017/04/12
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.15.1_BT2.0_DH5_2480MHz Mode 1: Tx-AD2055320



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	12.455	28.864	41.319	-32.681	74.000	PEAK
2		2390.000	13.127	28.548	41.676	-32.324	74.000	PEAK
3	*	2479.842	13.700	84.337	98.037	24.037	74.000	PEAK
4		2483.500	13.725	32.819	46.544	-27.456	74.000	PEAK
5		2483.502	13.725	33.017	46.742	-27.258	74.000	PEAK
6		2500.000	13.617	28.845	42.462	-31.538	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 : CB2-H	Time : 2017/04/12
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.15.1_BT2.0_DH5_2480MHz Mode 1: Tx-AD2055320

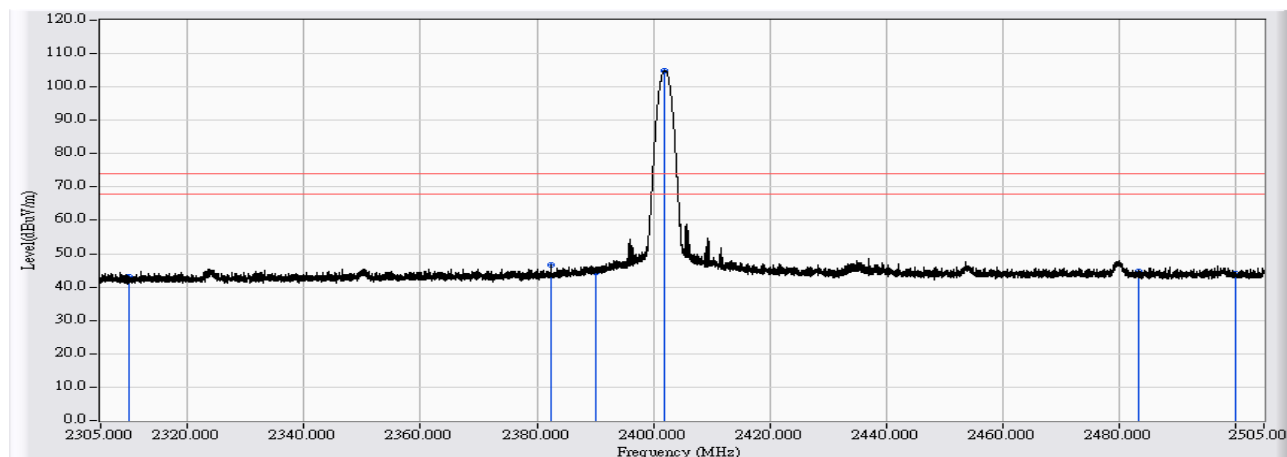


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	12.455	17.904	30.359	-23.641	54.000	AVERAGE
2		2390.000	13.127	17.274	30.402	-23.598	54.000	AVERAGE
3	*	2480.002	13.701	83.589	97.290	43.290	54.000	AVERAGE
4		2483.500	13.725	19.966	33.691	-20.309	54.000	AVERAGE
5		2486.482	13.720	20.886	34.606	-19.394	54.000	AVERAGE
6		2500.000	13.617	18.221	31.838	-22.162	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 : CB2-H	Time : 2017/04/12
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.15.1_BT2.0_2DH5_2402MHz Mode 1: Tx-AD2055320

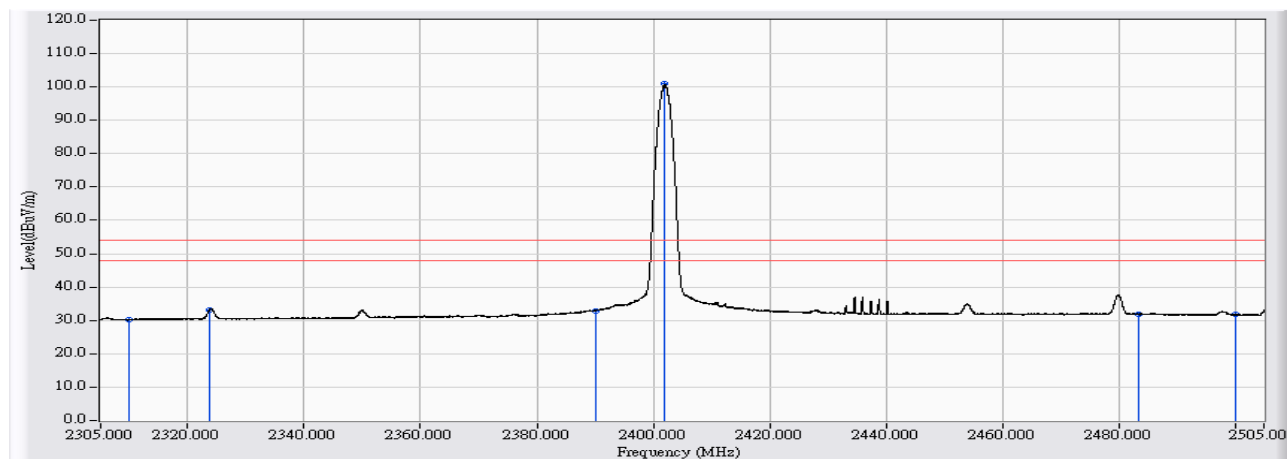


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	12.455	30.538	42.993	-31.007	74.000	PEAK
2		2382.432	13.042	33.479	46.521	-27.479	74.000	PEAK
3		2390.000	13.127	31.331	44.459	-29.541	74.000	PEAK
4	*	2401.870	13.138	91.741	104.879	30.879	74.000	PEAK
5		2483.500	13.725	30.955	44.680	-29.320	74.000	PEAK
6		2500.000	13.617	30.368	43.985	-30.015	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 : CB2-H	Time : 2017/04/12
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.15.1_BT2.0_2DH5_2402MHz Mode 1: Tx-AD2055320

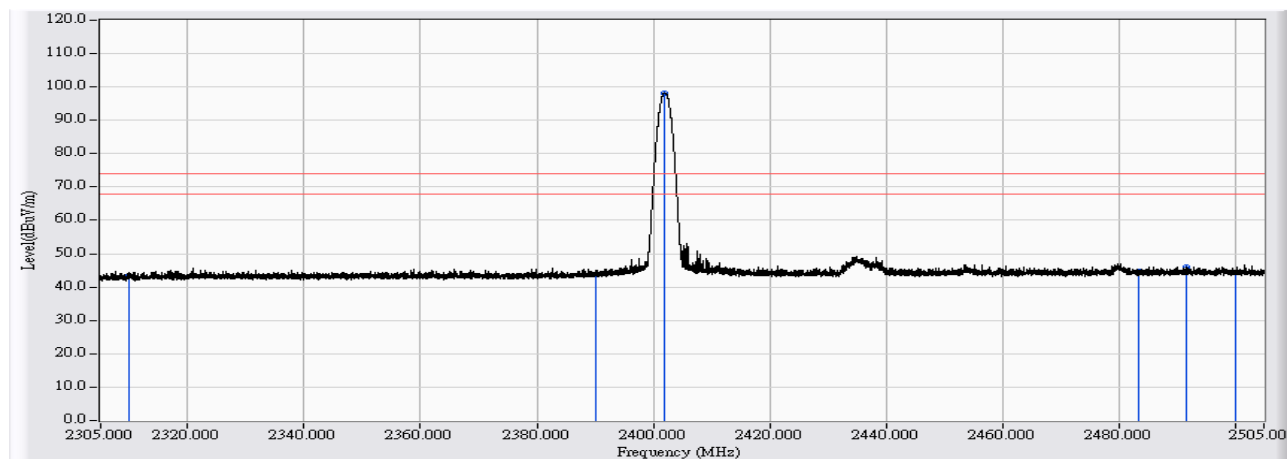


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	12.455	17.863	30.318	-23.682	54.000	AVERAGE
2		2323.758	12.665	20.628	33.293	-20.707	54.000	AVERAGE
3		2390.000	13.127	19.744	32.872	-21.128	54.000	AVERAGE
4	*	2401.930	13.138	87.719	100.858	46.858	54.000	AVERAGE
5		2483.500	13.725	18.132	31.857	-22.143	54.000	AVERAGE
6		2500.000	13.617	18.142	31.759	-22.241	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 : CB2-H	Time : 2017/04/12
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.15.1_BT2.0_2DH5_2402MHz Mode 1: Tx-AD2055320

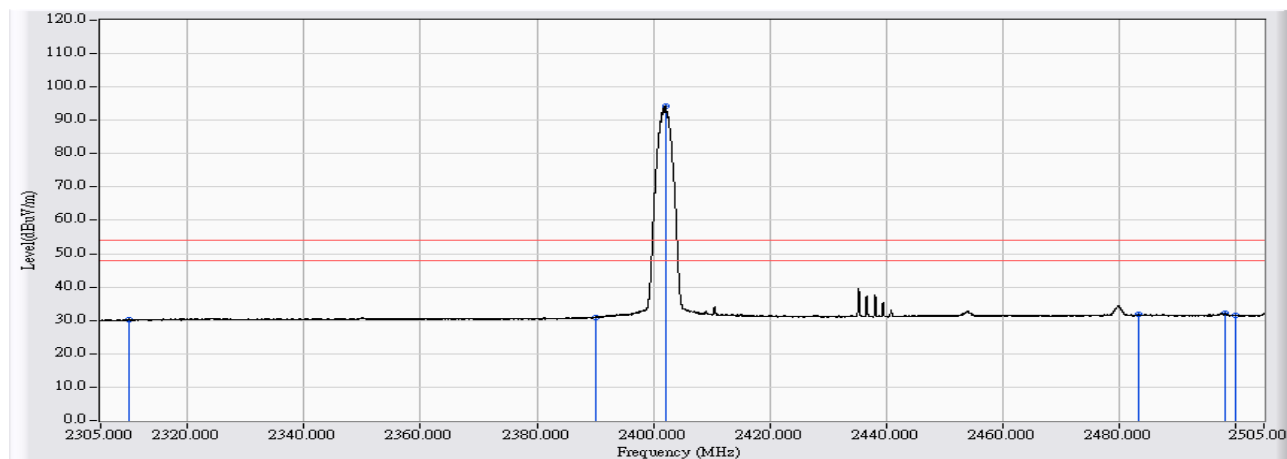


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	12.455	30.924	43.379	-30.621	74.000	PEAK
2		2390.000	13.127	30.586	43.714	-30.286	74.000	PEAK
3	*	2401.870	13.138	85.114	98.252	24.252	74.000	PEAK
4		2483.500	13.725	30.919	44.644	-29.356	74.000	PEAK
5		2491.741	13.696	32.160	45.856	-28.144	74.000	PEAK
6		2500.000	13.617	30.767	44.384	-29.616	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 : CB2-H	Time : 2017/04/12
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.15.1_BT2.0_2DH5_2402MHz Mode 1: Tx-AD2055320

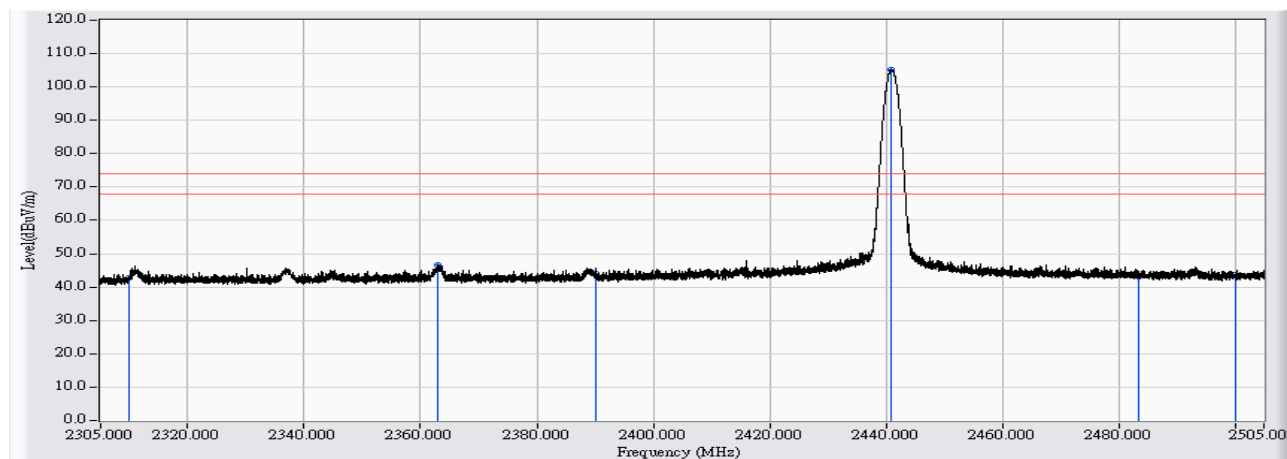


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	12.455	17.649	30.104	-23.896	54.000	AVERAGE
2		2390.000	13.127	17.837	30.965	-23.035	54.000	AVERAGE
3	*	2402.070	13.139	81.073	94.212	40.212	54.000	AVERAGE
4		2483.500	13.725	18.009	31.734	-22.266	54.000	AVERAGE
5		2498.241	13.621	18.407	32.028	-21.972	54.000	AVERAGE
6		2500.000	13.617	17.872	31.489	-22.511	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 : CB2-H	Time : 2017/04/12
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.15.1_BT2.0_2DH5_2441MHz Mode 1: Tx-AD2055320



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	12.455	30.447	42.902	-31.098	74.000	PEAK
2		2363.054	12.927	33.596	46.523	-27.477	74.000	PEAK
3		2390.000	13.127	31.019	44.147	-29.853	74.000	PEAK
4	*	2440.866	13.399	91.657	105.056	31.056	74.000	PEAK
5		2483.500	13.725	29.322	43.047	-30.953	74.000	PEAK
6		2500.000	13.617	30.173	43.790	-30.210	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 : CB2-H	Time : 2017/04/12
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.15.1_BT2.0_2DH5_2441MHz Mode 1: Tx-AD2055320

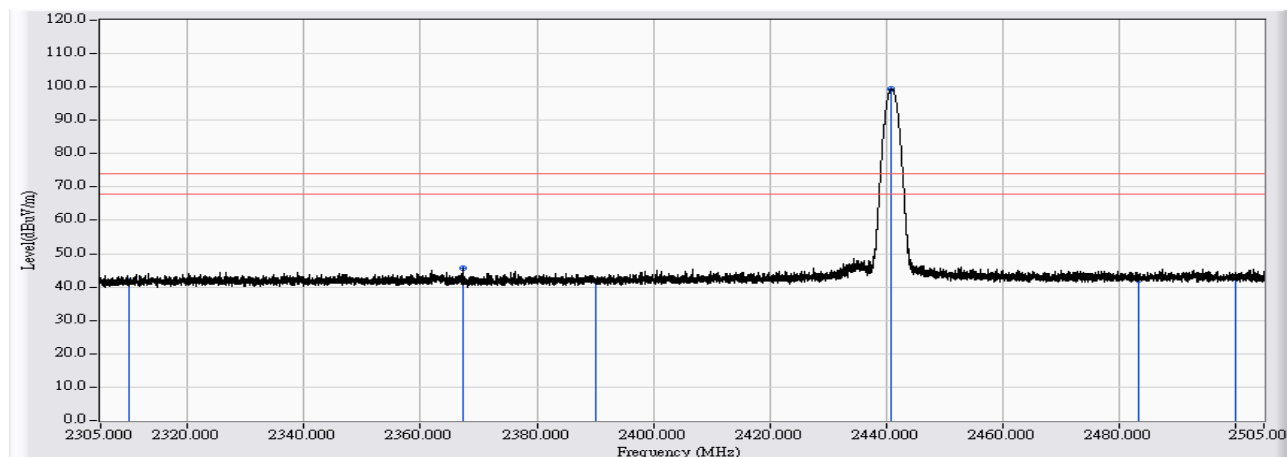


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	12.455	18.869	31.324	-22.676	54.000	AVERAGE
2		2363.094	12.927	23.130	36.057	-17.943	54.000	AVERAGE
3		2390.000	13.127	18.620	31.748	-22.252	54.000	AVERAGE
4	*	2441.006	13.401	87.383	100.784	46.784	54.000	AVERAGE
5		2483.500	13.725	18.085	31.810	-22.190	54.000	AVERAGE
6		2500.000	13.617	17.974	31.591	-22.409	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 : CB2-H	Time : 2017/04/12
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.15.1_BT2.0_2DH5_2441MHz Mode 1: Tx-AD2055320



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	12.455	29.422	41.877	-32.123	74.000	PEAK
2		2367.334	12.928	32.761	45.690	-28.310	74.000	PEAK
3		2390.000	13.127	28.795	41.923	-32.077	74.000	PEAK
4	*	2440.866	13.399	86.002	99.401	25.401	74.000	PEAK
5		2483.500	13.725	28.378	42.103	-31.897	74.000	PEAK
6		2500.000	13.617	29.444	43.061	-30.939	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 : CB2-H	Time : 2017/04/12
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.15.1_BT2.0_2DH5_2441MHz Mode 1: Tx-AD2055320

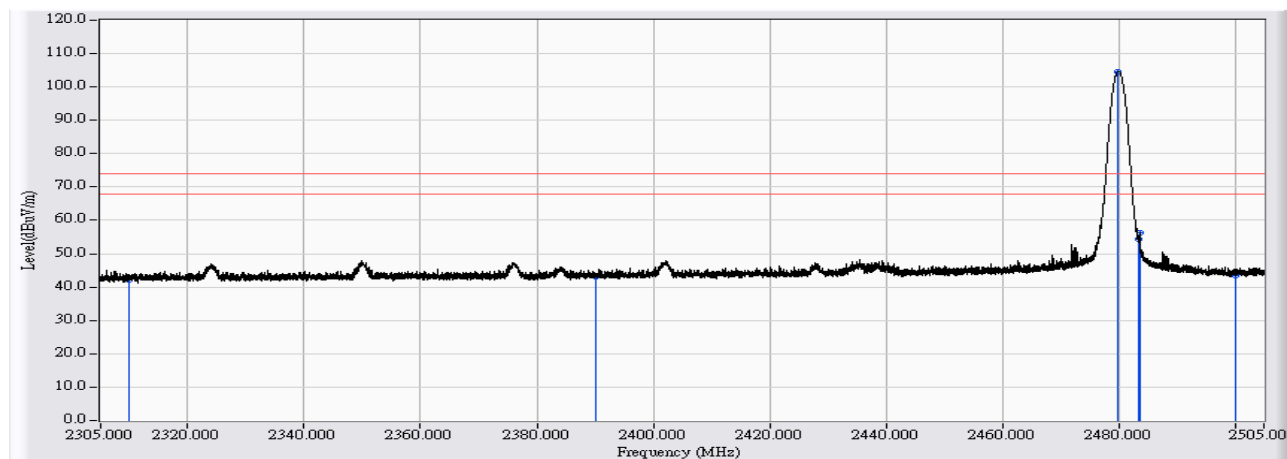


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	12.455	17.643	30.098	-23.902	54.000	AVERAGE
2		2390.000	13.127	17.594	30.722	-23.278	54.000	AVERAGE
3	*	2441.006	13.401	82.107	95.508	41.508	54.000	AVERAGE
4		2483.500	13.725	17.828	31.553	-22.447	54.000	AVERAGE
5		2492.761	13.684	18.673	32.357	-21.643	54.000	AVERAGE
6		2500.000	13.617	17.886	31.503	-22.497	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 : CB2-H	Time : 2017/04/12
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.15.1_BT2.0_2DH5_2480MHz Mode 1: Tx-AD2055320



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	12.455	29.559	42.014	-31.986	74.000	PEAK
2		2390.000	13.127	30.024	43.152	-30.848	74.000	PEAK
3	*	2479.862	13.701	90.881	104.581	30.581	74.000	PEAK
4		2483.500	13.725	40.501	54.226	-19.774	74.000	PEAK
5		2483.622	13.725	42.666	56.392	-17.608	74.000	PEAK
6		2500.000	13.617	29.780	43.397	-30.603	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 : CB2-H	Time : 2017/04/12
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.15.1_BT2.0_2DH5_2480MHz Mode 1: Tx-AD2055320

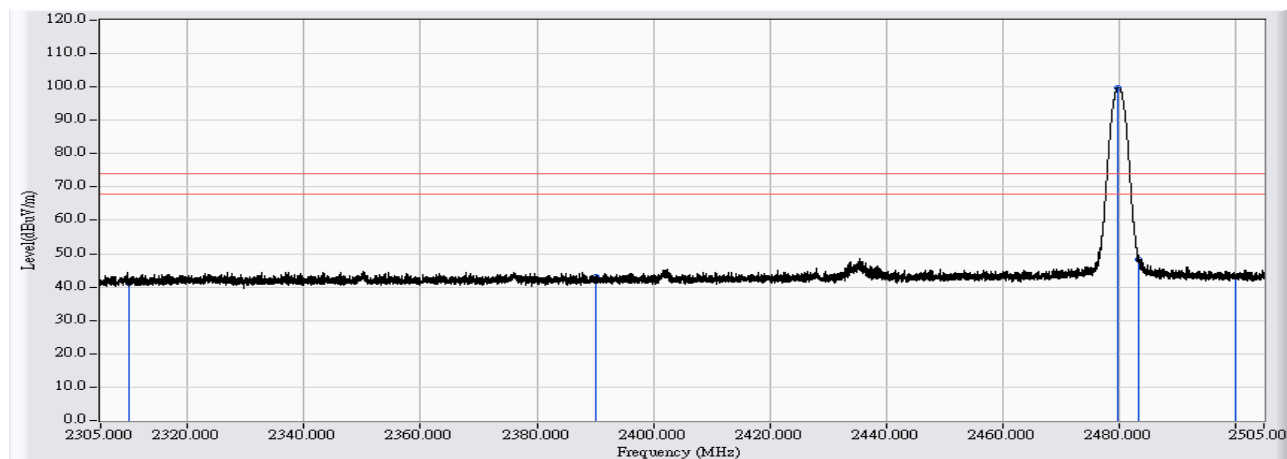


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	12.455	17.847	30.302	-23.698	54.000	AVERAGE
2		2349.915	12.782	25.513	38.294	-15.706	54.000	AVERAGE
3		2390.000	13.127	17.895	31.023	-22.977	54.000	AVERAGE
4	*	2480.002	13.701	87.064	100.765	46.765	54.000	AVERAGE
5		2483.500	13.725	23.301	37.026	-16.974	54.000	AVERAGE
6		2500.000	13.617	18.273	31.890	-22.110	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 : CB2-H	Time : 2017/04/12
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.15.1_BT2.0_2DH5_2480MHz Mode 1: Tx-AD2055320

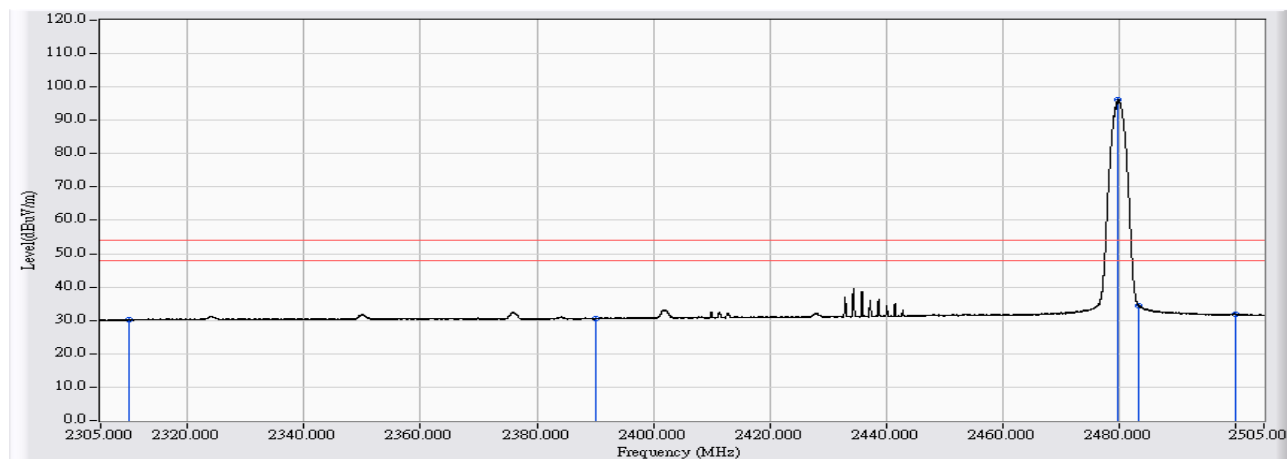


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	12.455	28.587	41.042	-32.958	74.000	PEAK
2		2390.000	13.127	29.962	43.090	-30.910	74.000	PEAK
3	*	2479.842	13.700	86.144	99.844	25.844	74.000	PEAK
4		2483.500	13.725	34.466	48.191	-25.809	74.000	PEAK
5		2483.582	13.725	34.520	48.245	-25.755	74.000	PEAK
6		2500.000	13.617	29.543	43.160	-30.840	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 : CB2-H	Time : 2017/04/12
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.15.1_BT2.0_2DH5_2480MHz Mode 1: Tx-AD2055320

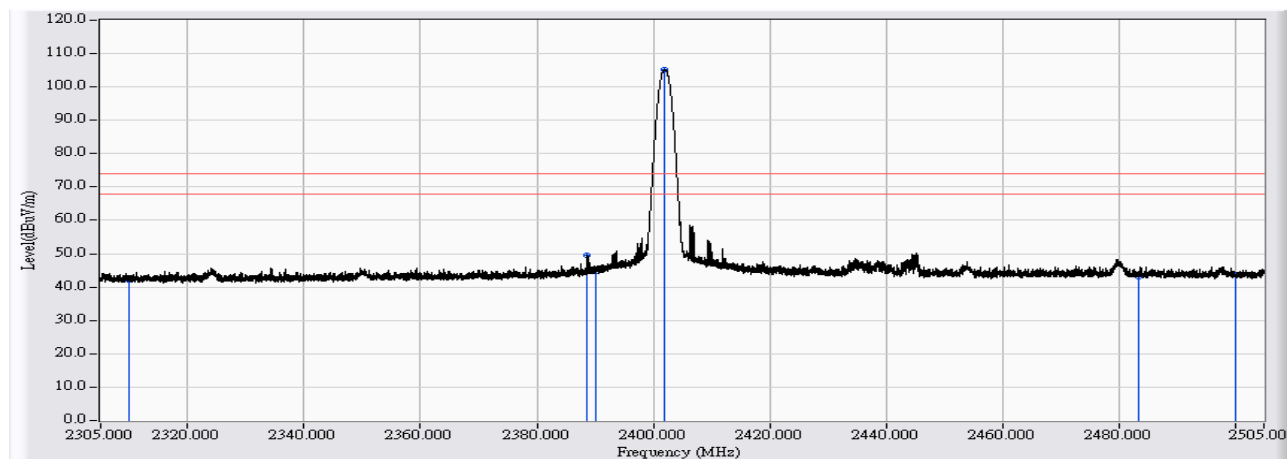


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	12.455	17.633	30.088	-23.912	54.000	AVERAGE
2		2390.000	13.127	17.443	30.571	-23.429	54.000	AVERAGE
3	*	2479.982	13.701	82.446	96.147	42.147	54.000	AVERAGE
4		2483.500	13.725	20.661	34.386	-19.614	54.000	AVERAGE
5		2483.522	13.725	20.695	34.420	-19.580	54.000	AVERAGE
6		2500.000	13.617	18.242	31.859	-22.141	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 : CB2-H	Time : 2017/04/12
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.15.1_BT2.0_3DH5_2402MHz Mode 1: Tx-AD2055320

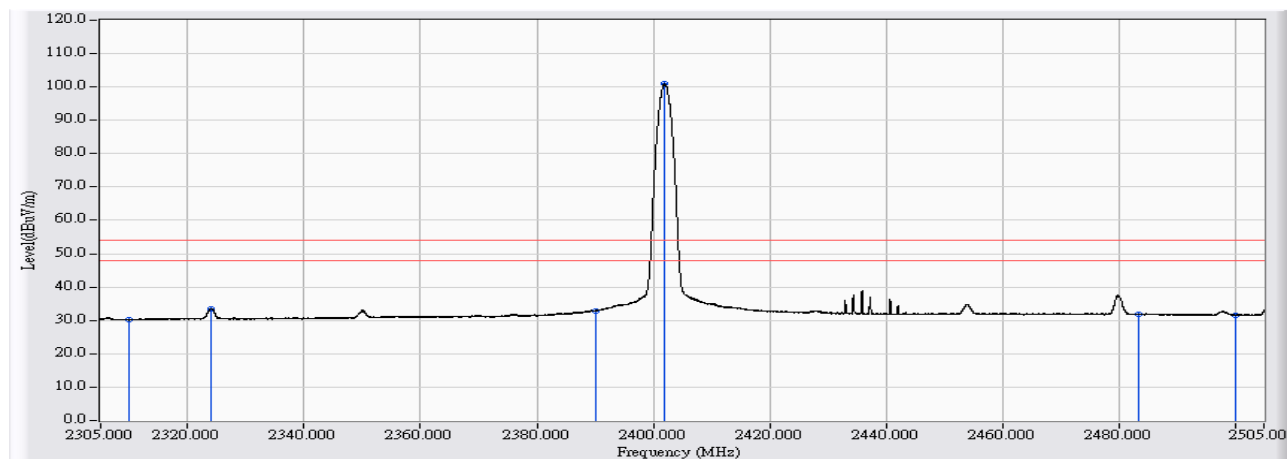


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	12.455	29.787	42.242	-31.758	74.000	PEAK
2		2388.552	13.115	36.505	49.619	-24.381	74.000	PEAK
3		2390.000	13.127	31.648	44.776	-29.224	74.000	PEAK
4	*	2401.970	13.138	92.204	105.343	31.343	74.000	PEAK
5		2483.500	13.725	29.510	43.235	-30.765	74.000	PEAK
6		2500.000	13.617	30.136	43.753	-30.247	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 : CB2-H	Time : 2017/04/12
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.15.1_BT2.0_3DH5_2402MHz Mode 1: Tx-AD2055320

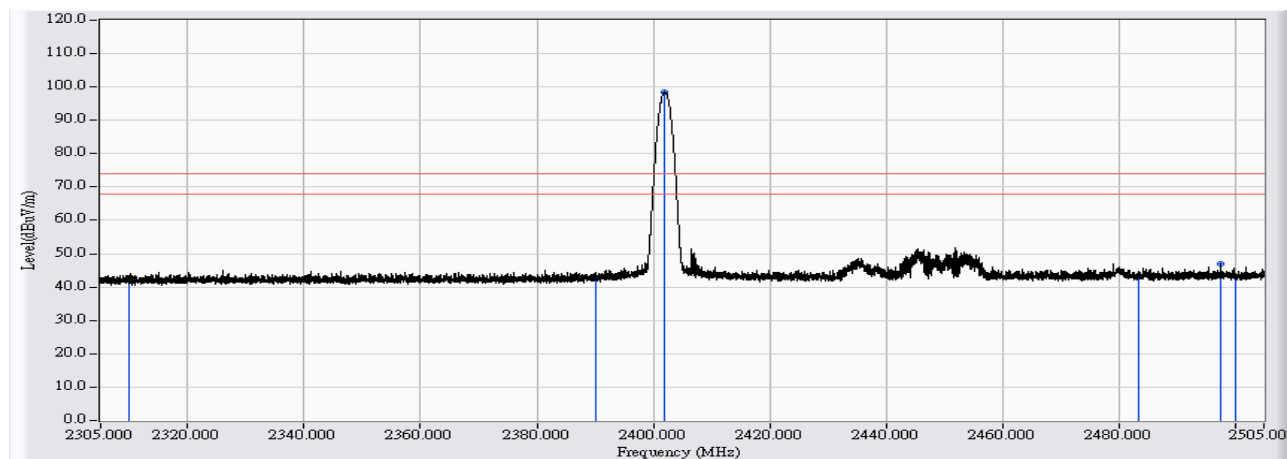


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	32.726	17.871	30.326	-23.674	54.000	AVERAGE
2		2323.858	32.793	20.896	33.561	-20.439	54.000	AVERAGE
3		2390.000	33.109	19.734	32.862	-21.138	54.000	AVERAGE
4	*	2401.950	33.166	87.876	101.015	47.015	54.000	AVERAGE
5		2483.500	33.557	18.098	31.823	-22.177	54.000	AVERAGE
6		2500.000	33.629	17.971	31.588	-22.412	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 : CB2-H	Time : 2017/04/12
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.15.1_BT2.0_3DH5_2402MHz Mode 1: Tx-AD2055320

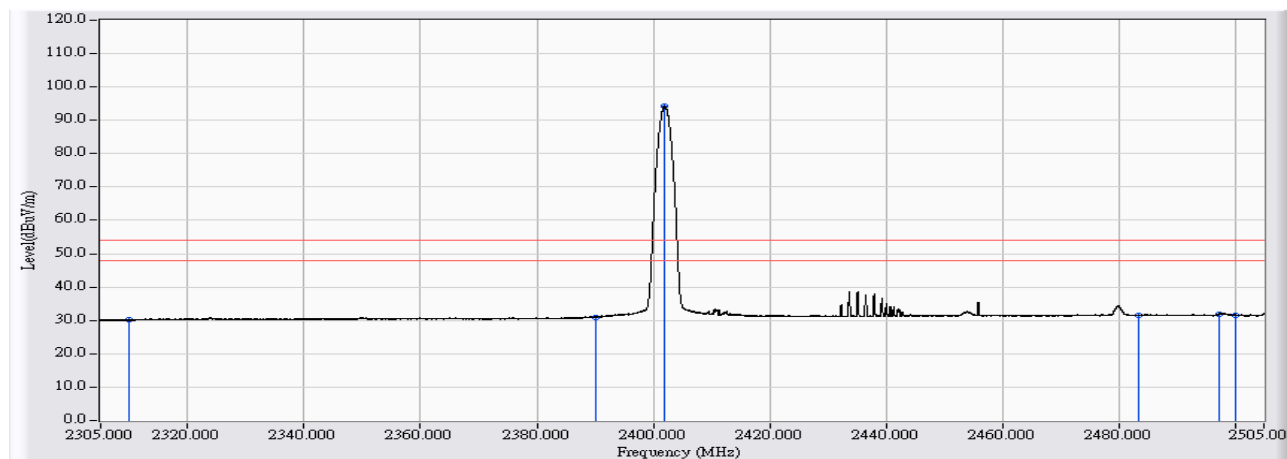


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	12.455	30.008	42.463	-31.537	74.000	PEAK
2		2390.000	13.127	29.399	42.527	-31.473	74.000	PEAK
3	*	2401.990	13.138	85.334	98.473	24.473	74.000	PEAK
4		2483.500	13.725	29.384	43.109	-30.891	74.000	PEAK
5		2497.601	13.627	33.223	46.850	-27.150	74.000	PEAK
6		2500.000	13.617	29.339	42.956	-31.044	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 : CB2-H	Time : 2017/04/12
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.15.1_BT2.0_3DH5_2402MHz Mode 1: Tx-AD2055320

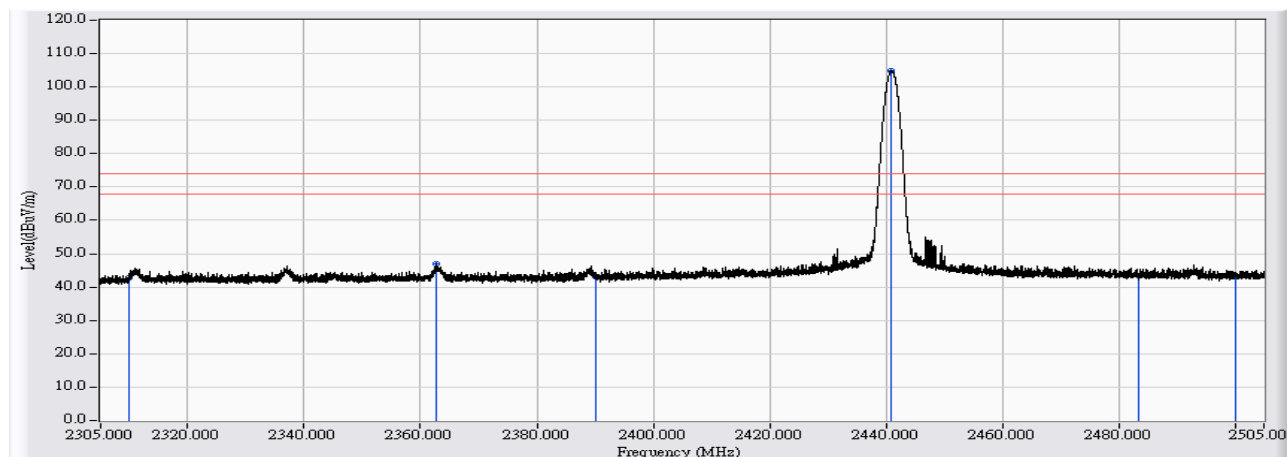


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	12.455	17.649	30.104	-23.896	54.000	AVERAGE
2		2390.000	13.127	17.879	31.007	-22.993	54.000	AVERAGE
3	*	2401.970	13.138	80.995	94.134	40.134	54.000	AVERAGE
4		2483.500	13.725	17.794	31.519	-22.481	54.000	AVERAGE
5		2497.281	13.631	18.379	32.010	-21.990	54.000	AVERAGE
6		2500.000	13.617	18.029	31.646	-22.354	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 : CB2-H	Time : 2017/04/12
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.15.1_BT2.0_3DH5_2441MHz Mode 1: Tx-AD2055320

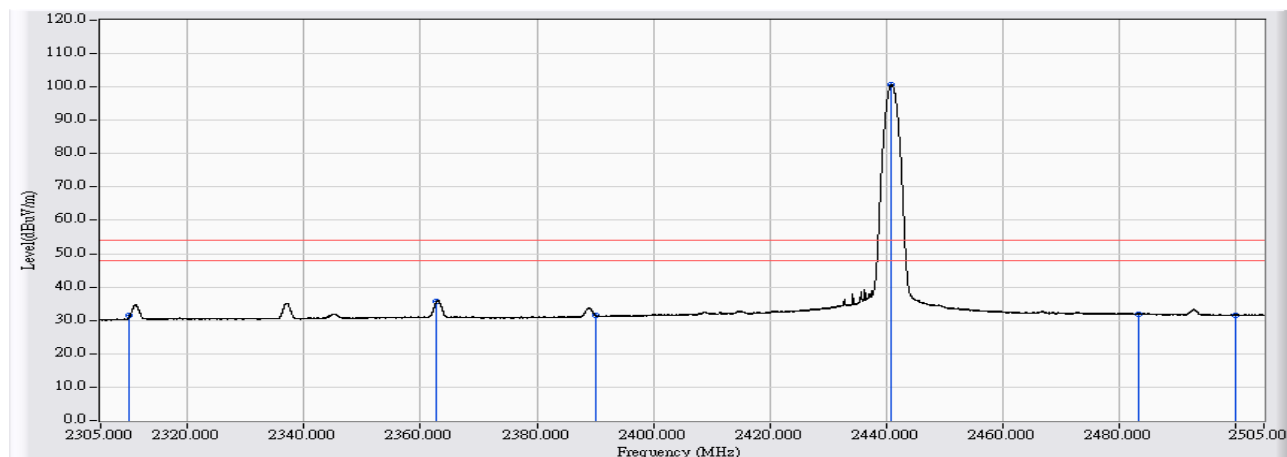


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	12.455	30.178	42.633	-31.367	74.000	PEAK
2		2362.754	12.925	33.979	46.904	-27.096	74.000	PEAK
3		2390.000	13.127	30.033	43.161	-30.839	74.000	PEAK
4	*	2440.966	13.400	91.428	104.828	30.828	74.000	PEAK
5		2483.500	13.725	29.740	43.465	-30.535	74.000	PEAK
6		2500.000	13.617	29.871	43.488	-30.512	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 : CB2-H	Time : 2017/04/12
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.15.1_BT2.0_3DH5_2441MHz Mode 1: Tx-AD2055320

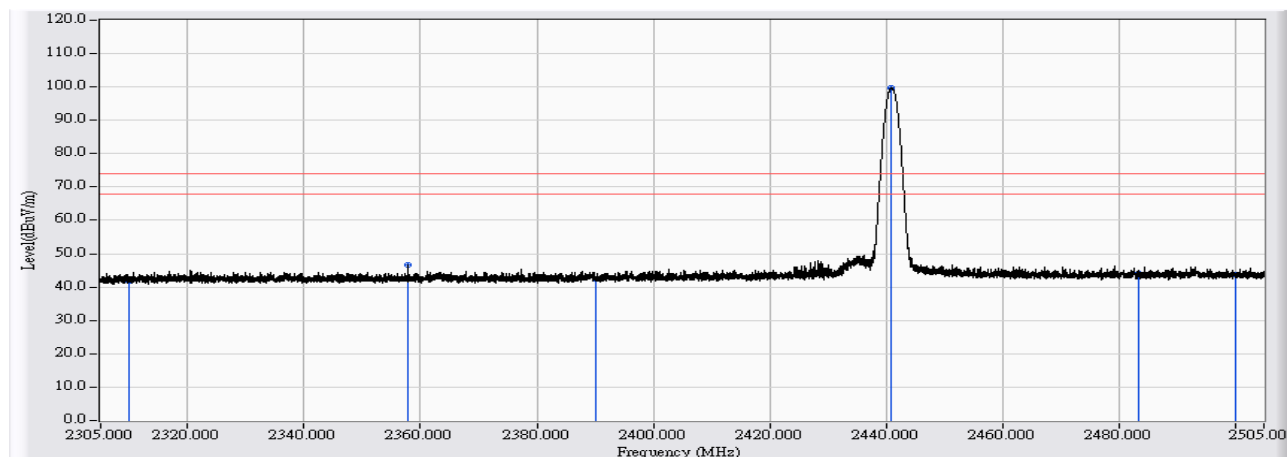


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	12.455	18.930	31.385	-22.615	54.000	AVERAGE
2		2362.714	12.925	22.835	35.760	-18.240	54.000	AVERAGE
3		2390.000	13.127	18.383	31.511	-22.489	54.000	AVERAGE
4	*	2441.006	13.401	87.236	100.637	46.637	54.000	AVERAGE
5		2483.500	13.725	18.163	31.888	-22.112	54.000	AVERAGE
6		2500.000	13.617	17.886	31.503	-22.497	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 : CB2-H	Time : 2017/04/12
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.15.1_BT2.0_3DH5_2441MHz Mode 1: Tx-AD2055320



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	12.455	29.439	41.894	-32.106	74.000	PEAK
2		2357.875	12.892	33.781	46.673	-27.327	74.000	PEAK
3		2390.000	13.127	29.499	42.627	-31.373	74.000	PEAK
4	*	2440.966	13.400	86.385	99.785	25.785	74.000	PEAK
5		2483.500	13.725	30.447	44.172	-29.828	74.000	PEAK
6		2500.000	13.617	30.147	43.764	-30.236	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 : CB2-H	Time : 2017/04/12
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.15.1_BT2.0_3DH5_2441MHz Mode 1: Tx-AD2055320

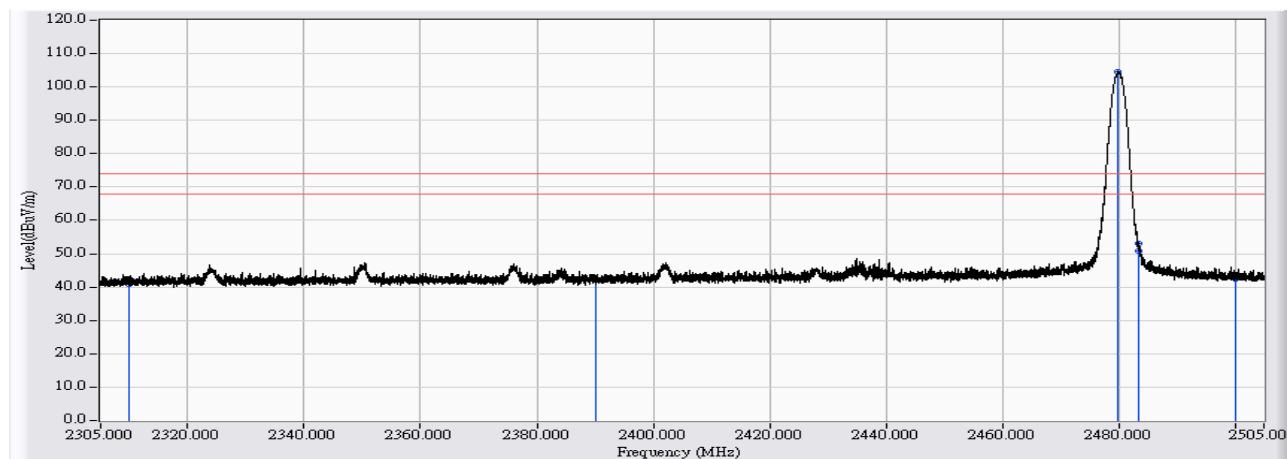


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	12.455	17.645	30.100	-23.900	54.000	AVERAGE
2		2390.000	13.127	17.522	30.650	-23.350	54.000	AVERAGE
3	*	2440.906	13.400	82.104	95.504	41.504	54.000	AVERAGE
4		2483.500	13.725	17.769	31.494	-22.506	54.000	AVERAGE
5		2493.081	13.681	18.823	32.504	-21.496	54.000	AVERAGE
6		2500.000	13.617	17.951	31.568	-22.432	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 : CB2-H	Time : 2017/04/12
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.15.1_BT2.0_3DH5_2480MHz Mode 1: Tx-AD2055320

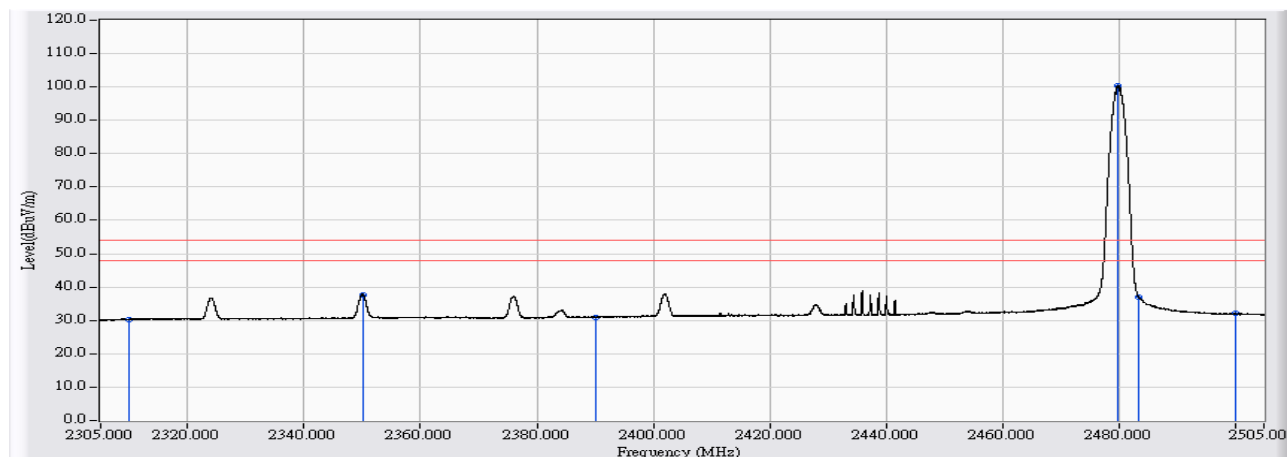


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	12.455	28.465	40.920	-33.080	74.000	PEAK
2		2390.000	13.127	29.207	42.335	-31.665	74.000	PEAK
3	*	2479.982	13.701	90.805	104.506	30.506	74.000	PEAK
4		2483.500	13.725	37.051	50.776	-23.224	74.000	PEAK
5		2483.522	13.725	39.397	53.122	-20.878	74.000	PEAK
6		2500.000	13.617	28.931	42.548	-31.452	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 : CB2-H	Time : 2017/04/12
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.15.1_BT2.0_3DH5_2480MHz Mode 1: Tx-AD2055320

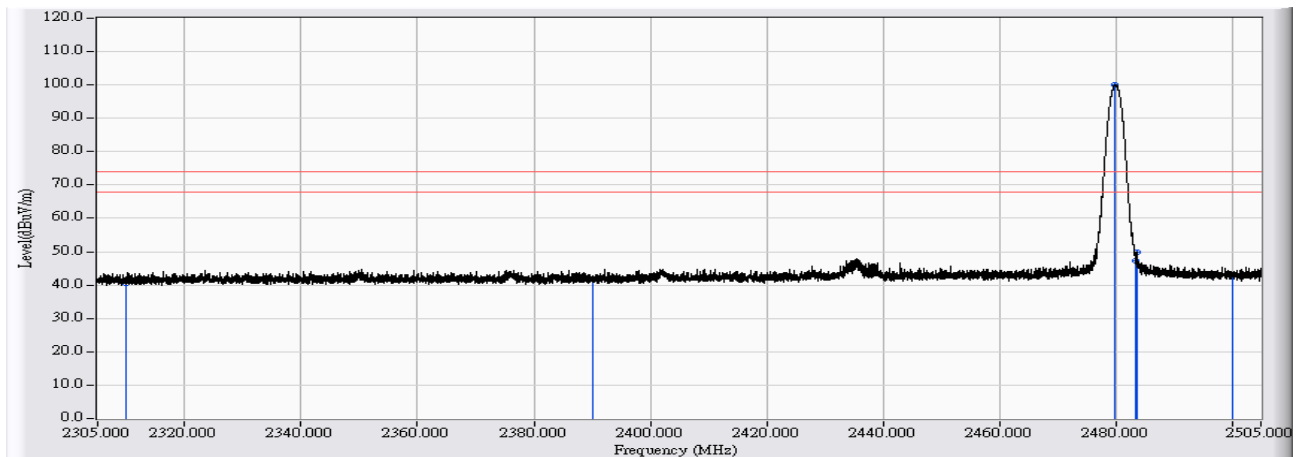


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	12.455	17.920	30.375	-23.625	54.000	AVERAGE
2		2350.015	12.782	24.973	37.755	-16.245	54.000	AVERAGE
3		2390.000	13.127	17.761	30.889	-23.111	54.000	AVERAGE
4	*	2479.962	13.701	86.589	100.290	46.290	54.000	AVERAGE
5		2483.500	13.725	23.175	36.900	-17.100	54.000	AVERAGE
6		2500.000	13.617	18.408	32.025	-21.975	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 : CB2-H	Time : 2017/04/12
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.15.1_BT2.0_3DH5_2480MHz Mode 1: Tx-AD2055320



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	12.455	28.186	40.641	-33.359	74.000	PEAK
2		2390.000	13.127	28.774	41.902	-32.098	74.000	PEAK
3	*	2479.982	13.701	86.492	100.193	26.193	74.000	PEAK
4		2483.500	13.725	33.551	47.276	-26.724	74.000	PEAK
5		2483.722	13.726	35.995	49.721	-24.279	74.000	PEAK
6		2500.000	13.617	29.510	43.127	-30.873	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 : CB2-H	Time : 2017/04/12
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Lyra	Note : 802.15.1_BT2.0_3DH5_2480MHz Mode 1: Tx-AD2055320

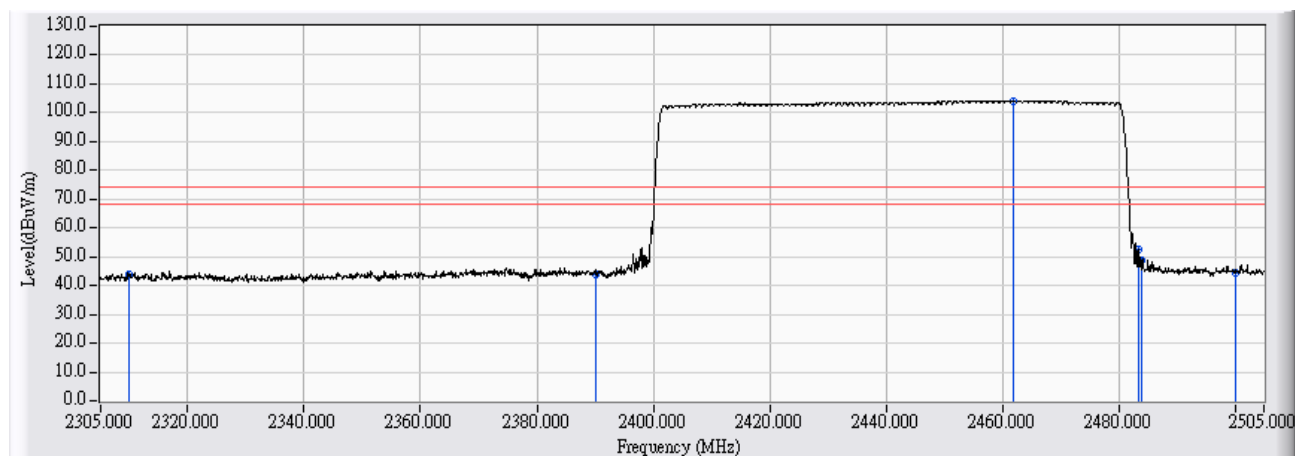


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	12.455	17.804	30.259	-23.741	54.000	AVERAGE
2		2390.000	13.127	17.406	30.534	-23.466	54.000	AVERAGE
3	*	2479.962	13.701	82.296	95.997	41.997	54.000	AVERAGE
4		2483.500	13.725	20.737	34.462	-19.538	54.000	AVERAGE
5		2483.562	13.725	20.738	34.463	-19.537	54.000	AVERAGE
6		2500.000	13.617	18.225	31.842	-22.158	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 : CB2-H	Time : 2017/06/17
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Lyra	Note : Mode 1: Tx-AD2055320_802.15.1_DH5_hopping

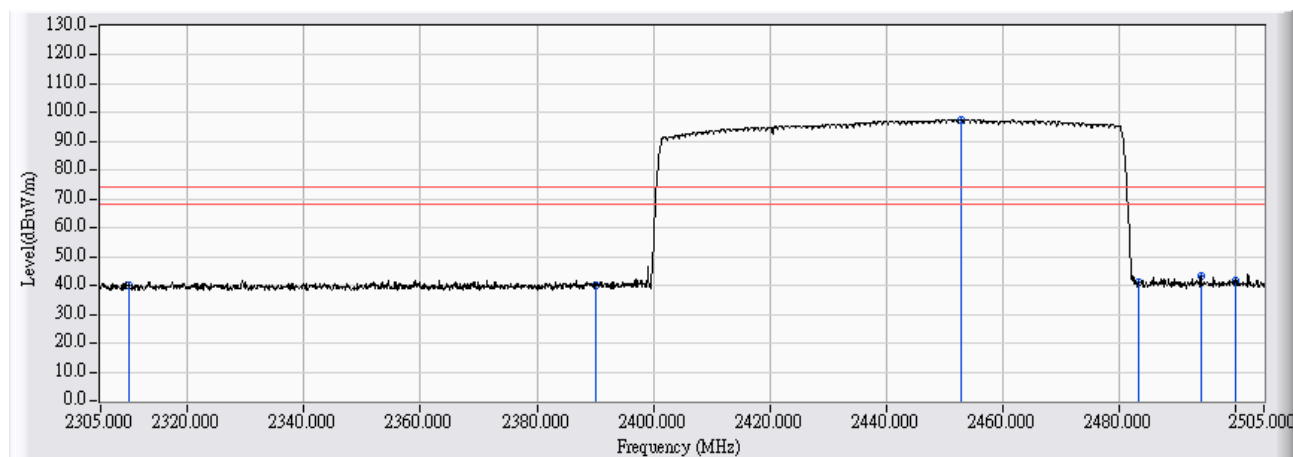


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	11.014	32.646	43.661	-30.339	74.000	PEAK
2	2390.000	11.544	32.559	44.103	-29.897	74.000	PEAK
3	* 2461.800	12.026	92.156	104.183	30.183	74.000	PEAK
4	2483.500	12.172	40.306	52.478	-21.522	74.000	PEAK
5	2483.900	12.175	36.503	48.678	-25.322	74.000	PEAK
6	2500.000	12.274	32.140	44.415	-29.585	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 : CB2-H	Time : 2017/06/17
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V/60Hz
EUT : Lyra	Note : Mode 1: Tx-AD2055320_802.15.1_DH5_hopping

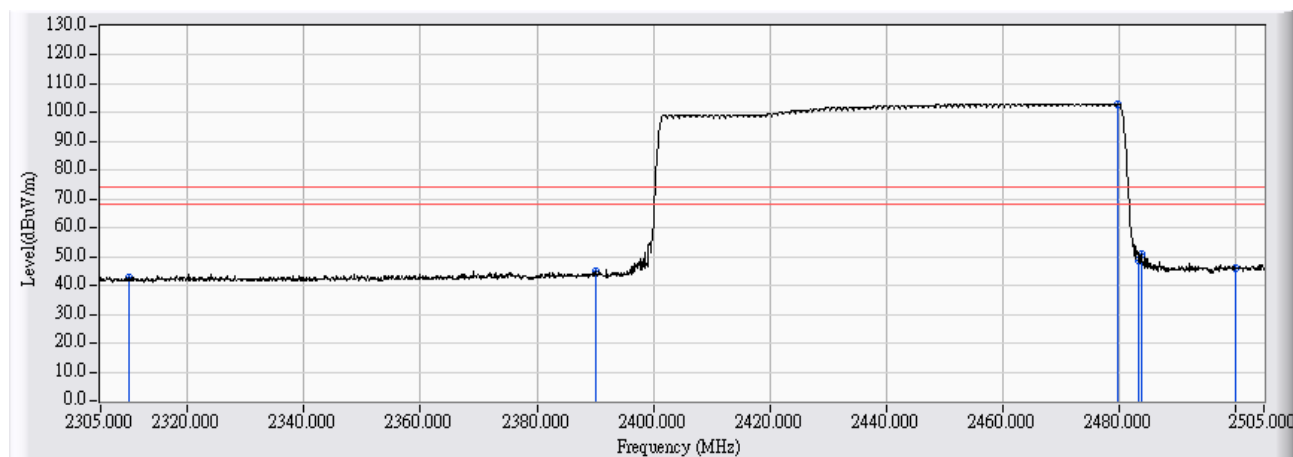


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	29.272	40.287	-33.713	74.000	PEAK
2		2390.000	11.544	28.482	40.026	-33.974	74.000	PEAK
3	*	2453.000	11.967	85.697	97.664	23.664	74.000	PEAK
4		2483.500	12.172	28.909	41.081	-32.919	74.000	PEAK
5		2494.200	12.243	30.925	43.168	-30.832	74.000	PEAK
6		2500.000	12.274	29.429	41.704	-32.296	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 : CB2-H	Time : 2017/06/17
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Lyra	Note : Mode 1: Tx-AD2055320_802.15.1_2DH5_hopping

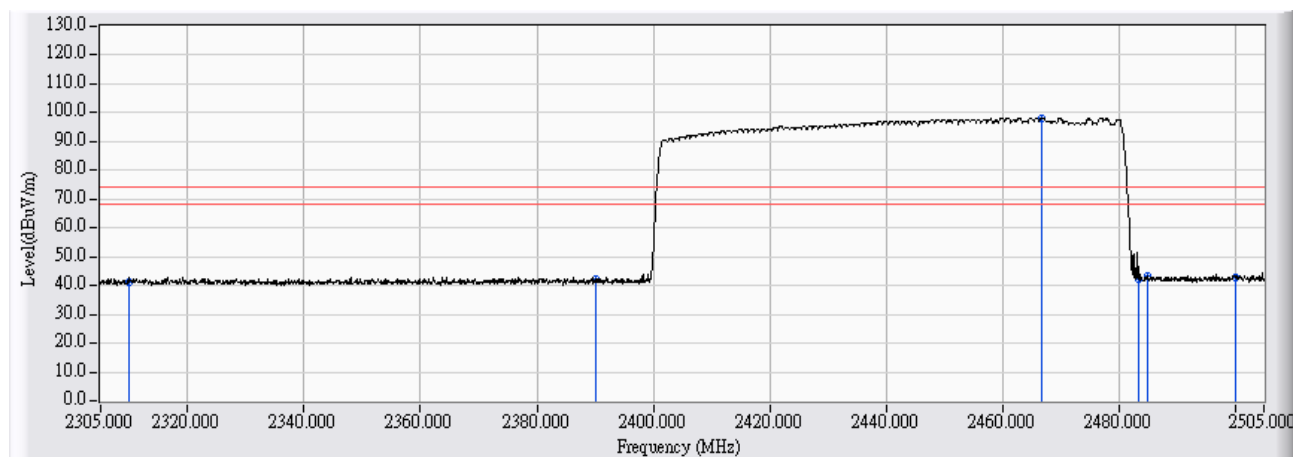


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	31.621	42.636	-31.364	74.000	PEAK
2		2390.000	11.544	33.506	45.050	-28.950	74.000	PEAK
3	*	2479.800	12.147	91.001	103.149	29.149	74.000	PEAK
4		2483.500	12.172	36.797	48.969	-25.031	74.000	PEAK
5		2483.900	12.175	38.497	50.672	-23.328	74.000	PEAK
6		2500.000	12.274	33.935	46.210	-27.790	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 : CB2-H	Time : 2017/06/17
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V/60Hz
EUT : Lyra	Note : Mode 1: Tx-AD2055320_802.15.1_2DH5_hopping

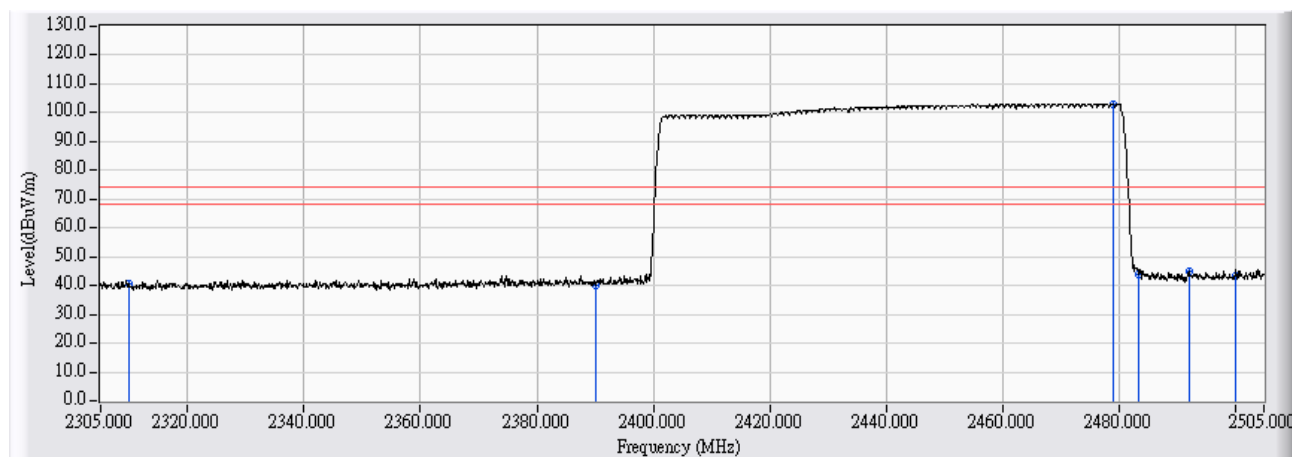


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	30.093	41.108	-32.892	74.000	PEAK
2		2390.000	11.544	30.559	42.103	-31.897	74.000	PEAK
3	*	2466.800	12.060	86.103	98.163	24.163	74.000	PEAK
4		2483.500	12.172	30.219	42.391	-31.609	74.000	PEAK
5		2484.900	12.182	31.008	43.189	-30.811	74.000	PEAK
6		2500.000	12.274	30.653	42.928	-31.072	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. If the readings given are average, peak measurement should also be supplied.

Site : CB2-H	Time : 2017/06/18
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Lyra	Note : Mode 1: Tx-AD2055320_802.15.1_3DH5_hopping

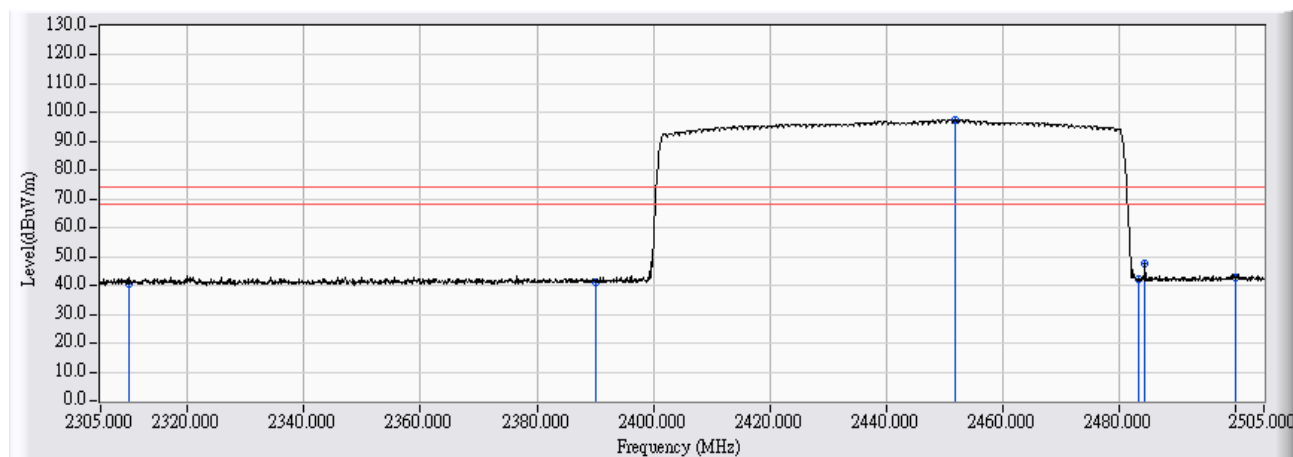


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	29.762	40.777	-33.223	74.000	PEAK
2		2390.000	11.544	28.508	40.052	-33.948	74.000	PEAK
3	*	2479.100	12.143	90.824	102.967	28.967	74.000	PEAK
4		2483.500	12.172	31.581	43.753	-30.247	74.000	PEAK
5		2492.100	12.230	32.641	44.870	-29.130	74.000	PEAK
6		2500.000	12.274	31.153	43.428	-30.572	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 : CB2-H	Time : 2017/06/18
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V/60Hz
EUT : Lyra	Note : Mode 1: Tx-AD2055320_802.15.1_3DH5_hopping



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	29.578	40.593	-33.407	74.000	PEAK
2		2390.000	11.544	29.531	41.075	-32.925	74.000	PEAK
3	*	2451.800	11.959	85.399	97.358	23.358	74.000	PEAK
4		2483.500	12.172	30.217	42.389	-31.611	74.000	PEAK
5		2484.600	12.180	35.364	47.544	-26.456	74.000	PEAK
6		2500.000	12.274	30.508	42.783	-31.217	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.

7. Number of hopping frequency

7.1. Test Equipment

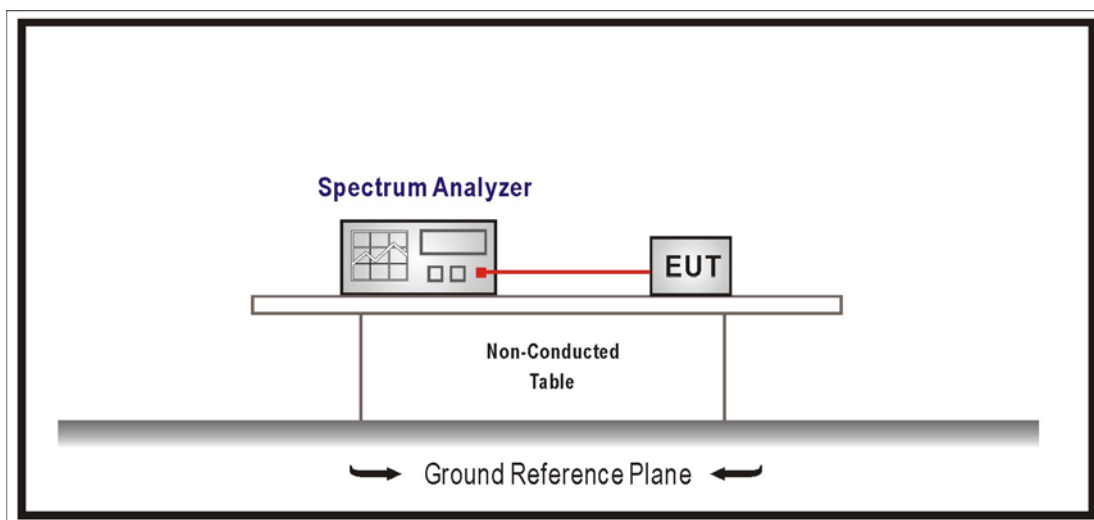
The following test equipment is used during the test:

Number of hopping frequency / SR10-H

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2018/03/12

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 Public Notice DA 00-705 for compliance to FCC 47CFR 15.247 requirements ,

Span = the frequency band of operation , $RBW \geq 1\%$ of the span , $VBW \geq RBW$,

Sweep = auto, Detector function = peak, Trace = max hold.

7.5. Test Specification

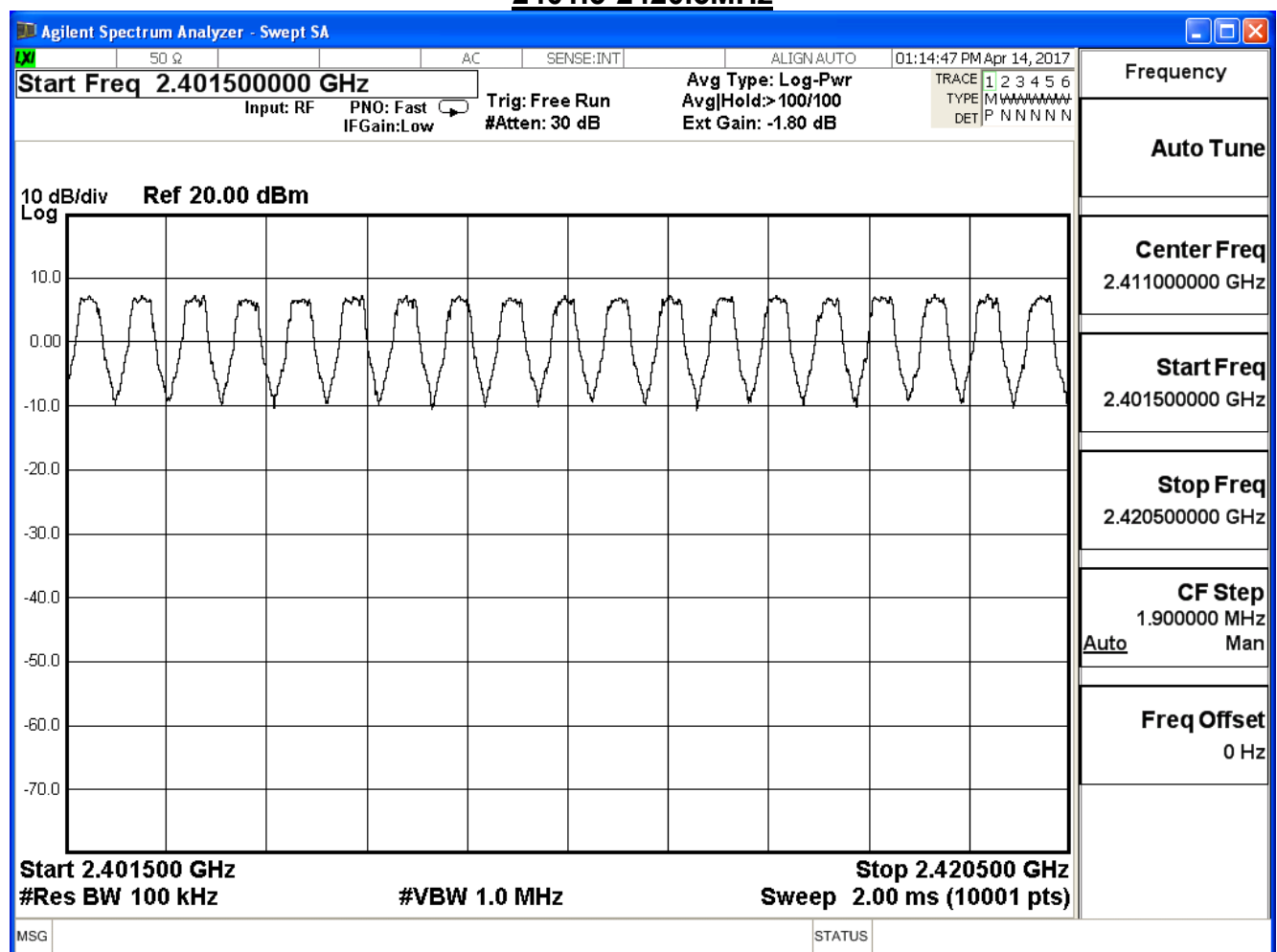
According to FCC Part 15 Subpart C Paragraph 15.247: 2015

7.6. Test Result

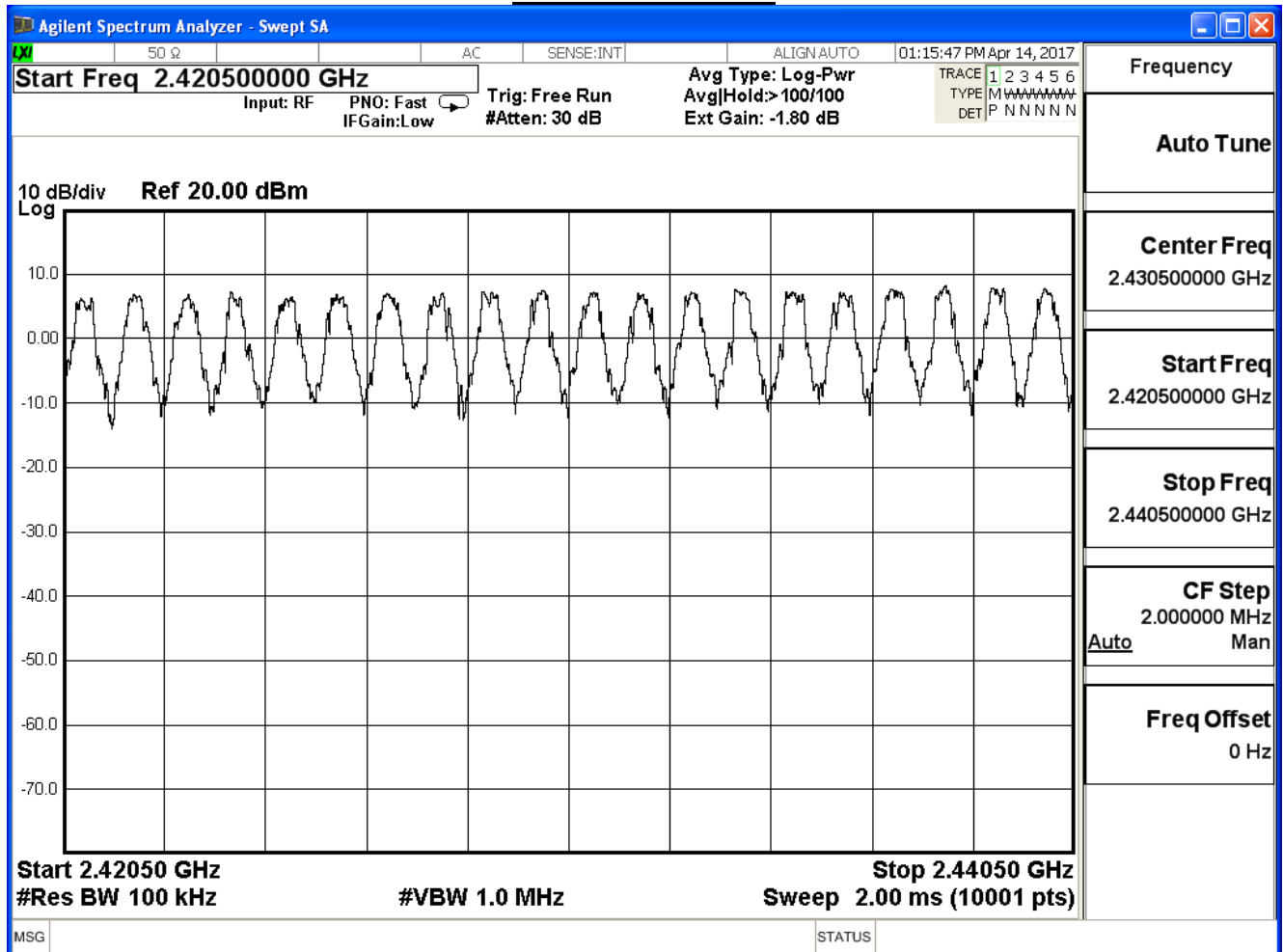
Product	Lyra		
Test Item	Number of hopping frequency		
Test Mode	Mode 1: Tx-AD2037320910		
Date of Test	2017/04/14	Test Site	SR10-H

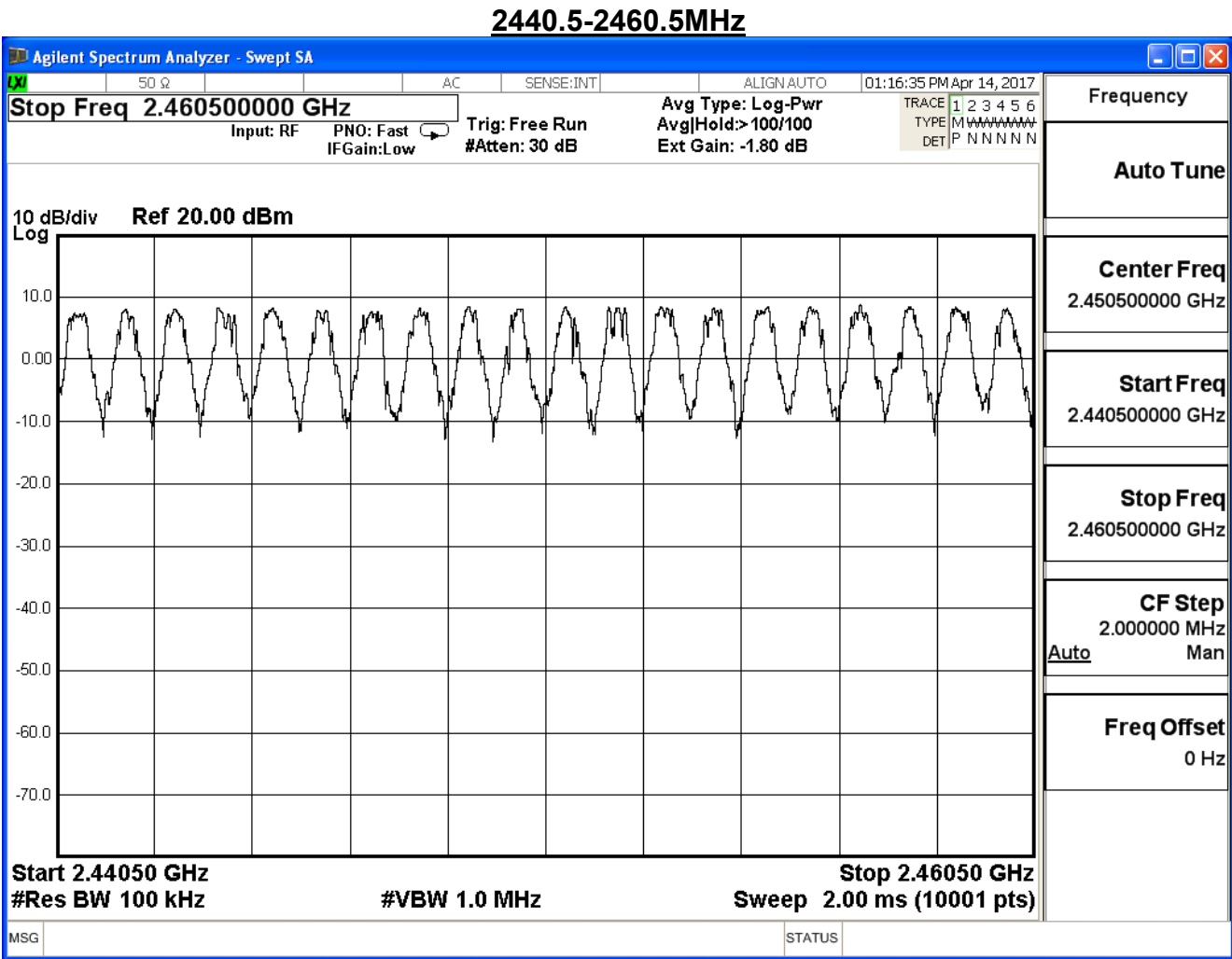
Frequency Range (MHz)	Measure Level (Channels)	Limit (Channels)	Result
2402 - 2480	79	≥ 75	Pass

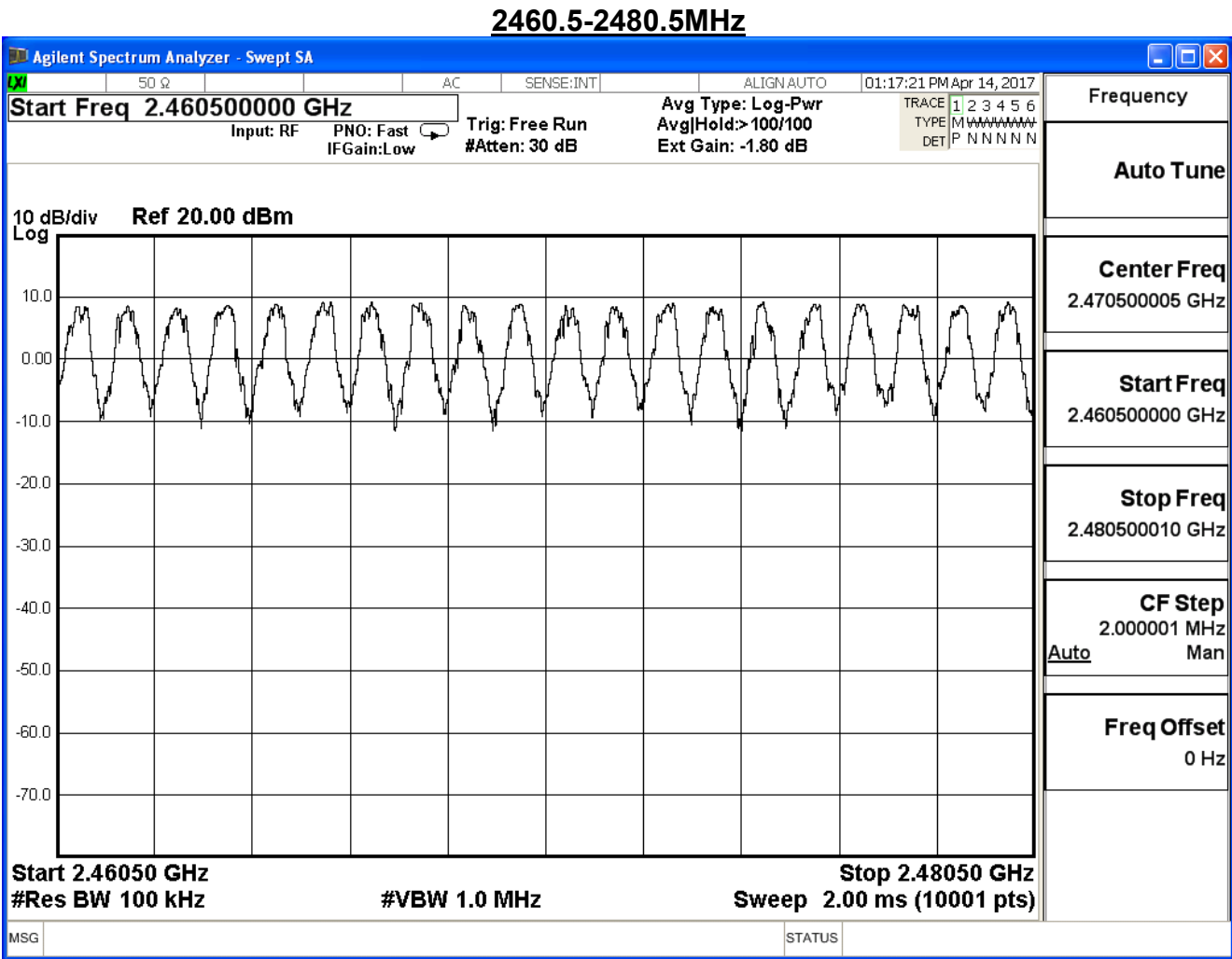
2401.5-2420.5MHz



2420.5-2440.5MHz







8. Carrier Frequency Separation

8.1. Test Equipment

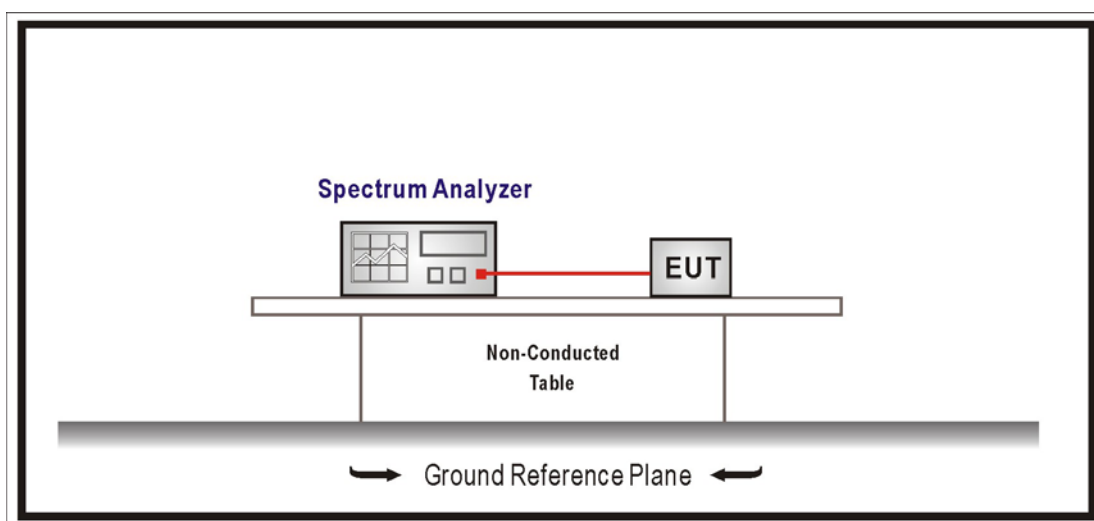
The following test equipment is used during the test:

Carrier Frequency Separation / SR10-H

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2018/03/12

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 Public Notice DA 00-705 for compliance to FCC 47CFR 15.247 requirements

Span = wide enough to capture the peaks of two adjacent channels

Resolution Bandwidth (RBW) $\geq$ 1% of the span, VBW $\geq$ RBW

Sweep = auto, Detector function = peak, Trace = max hold

8.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2015

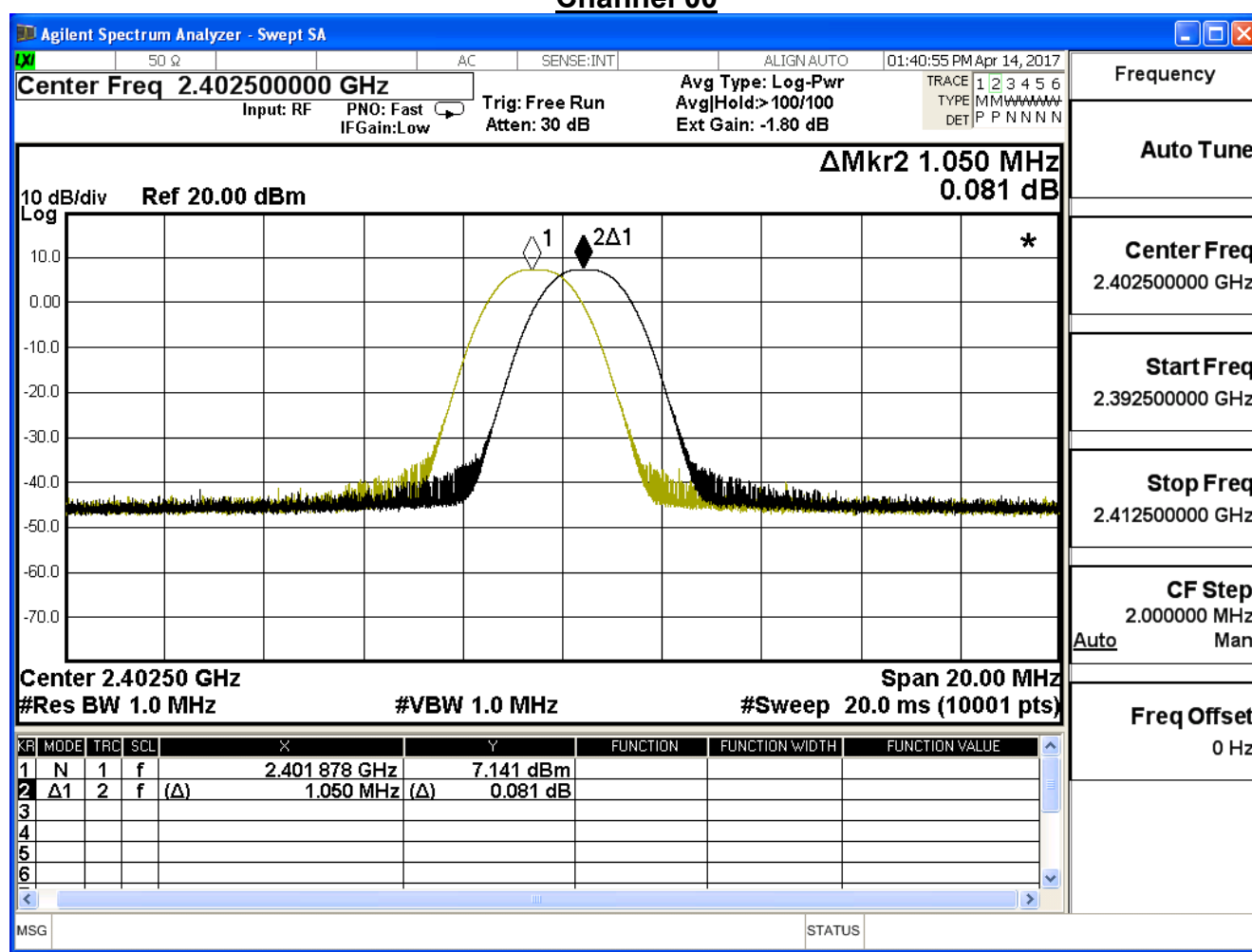
8.6. Test Result

Product	Lyra		
Test Item	Carrier Frequency Separation		
Test Mode	Mode 1: Tx-AD2055320		
Date of Test	2017/04/14	Test Site	SR10-H

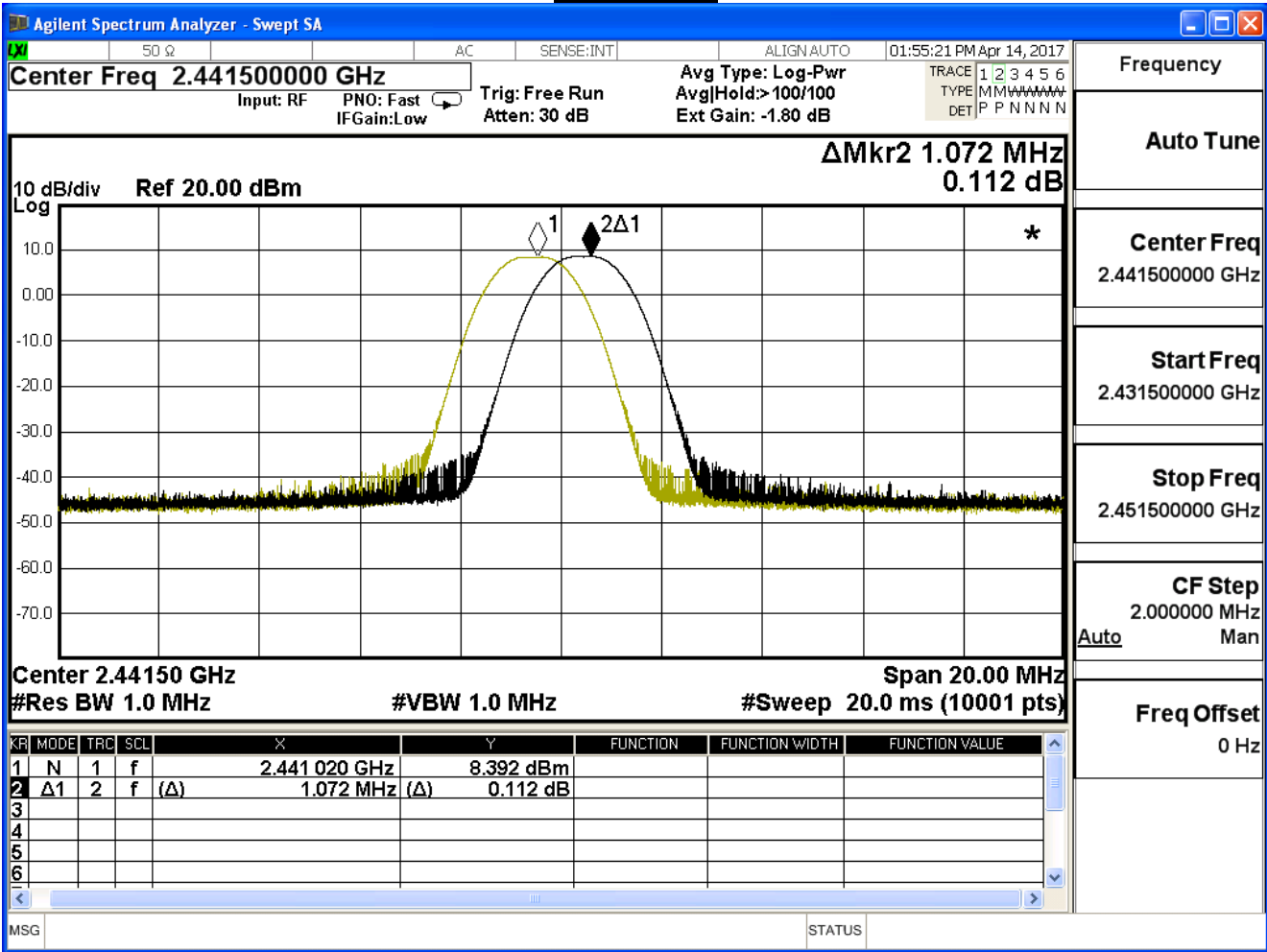
GFSK

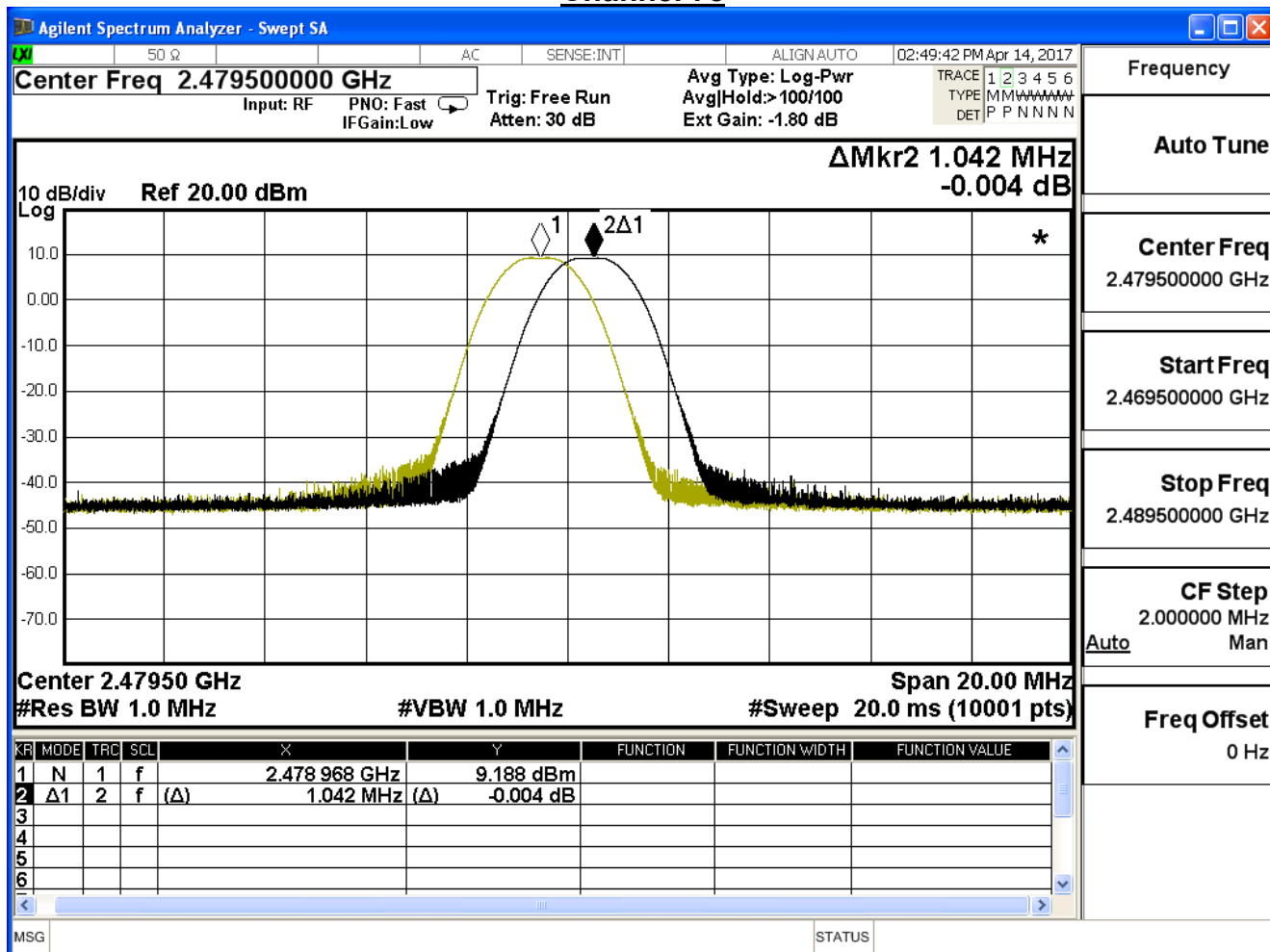
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
00	2402	1.050	0.743	Pass
39	2441	1.072	0.741	Pass
78	2480	1.042	0.749	Pass

Channel 00



Channel 39

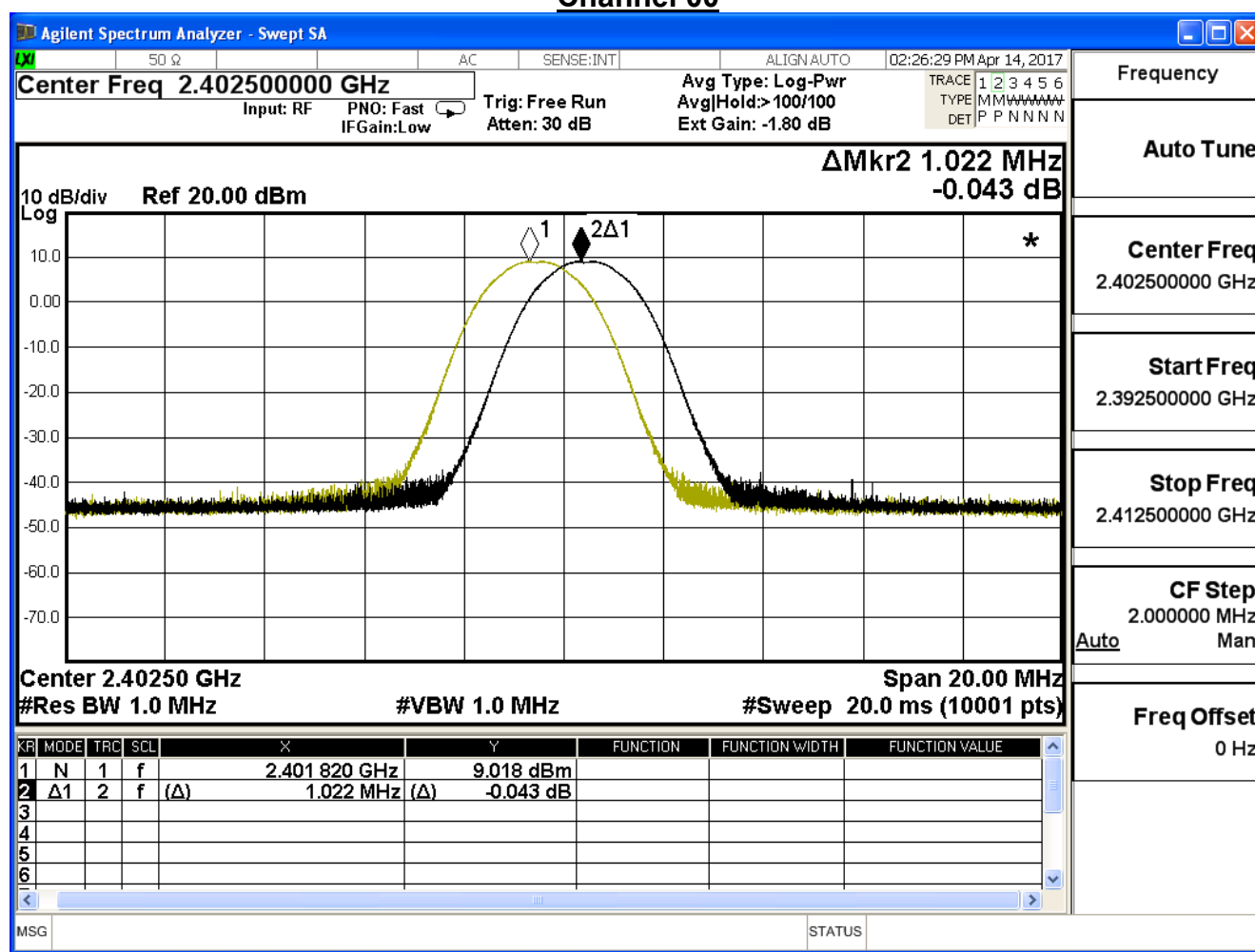


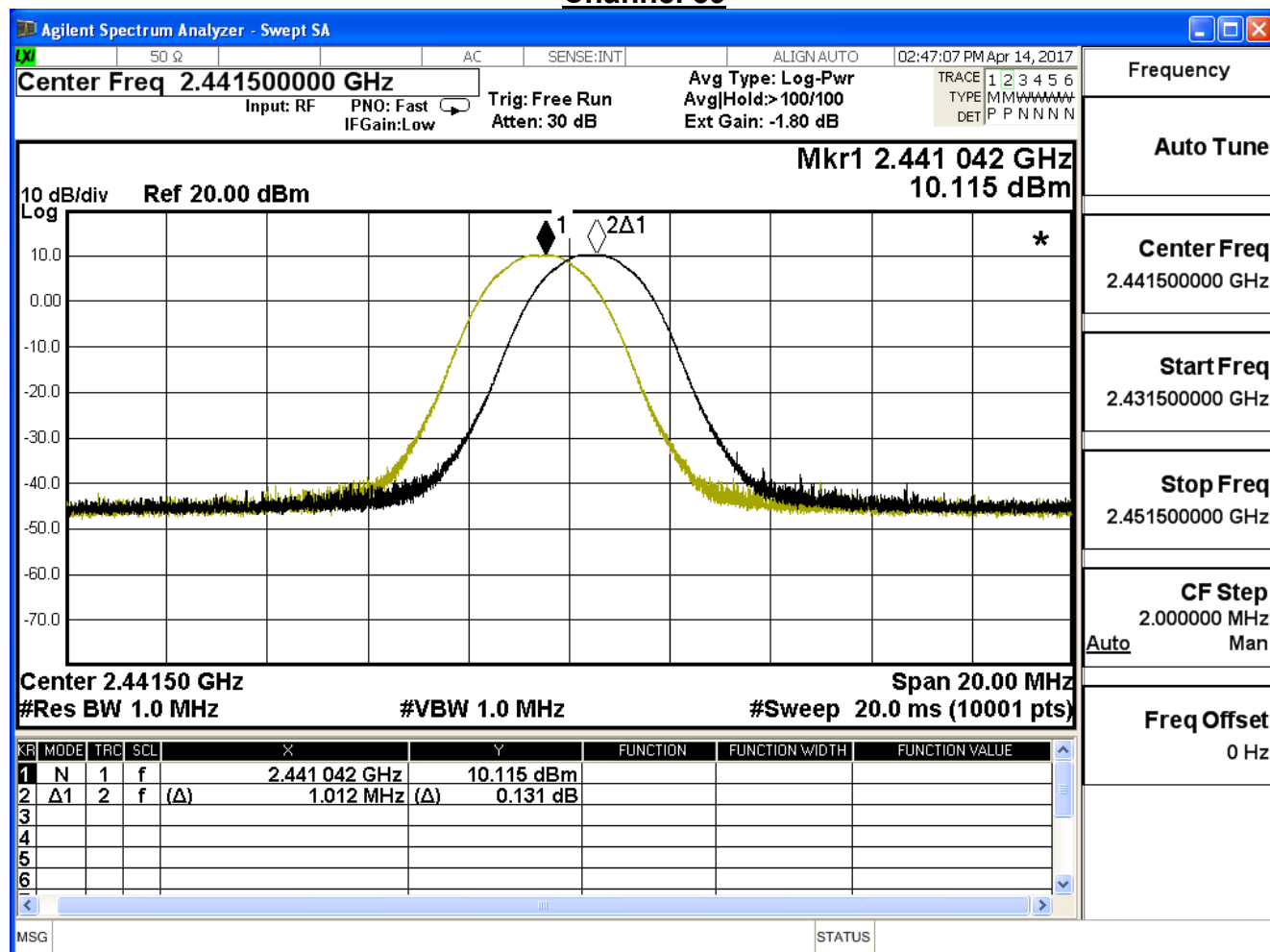
Channel 78

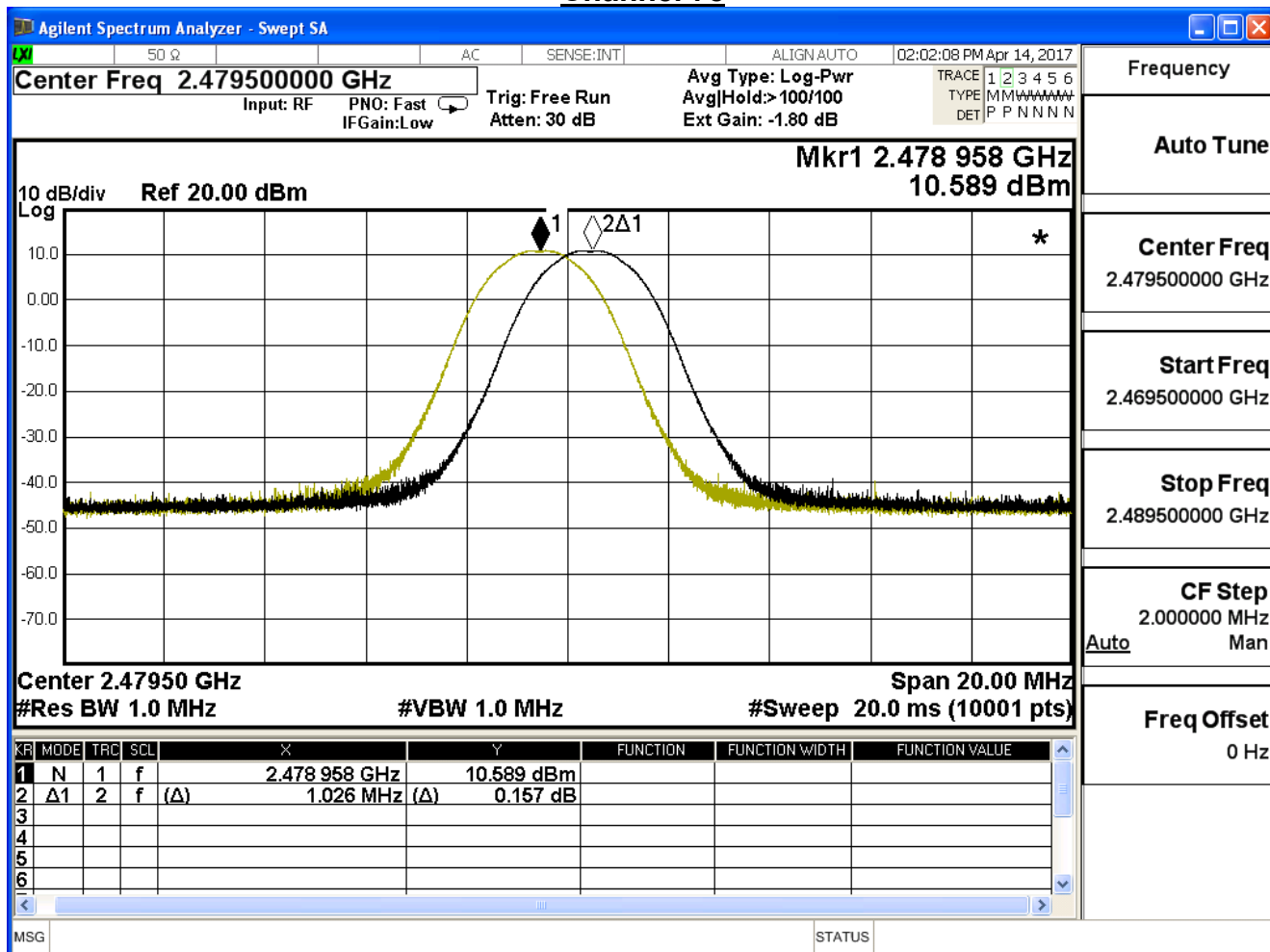
Product	Lyra		
Test Item	Carrier Frequency Separation		
Test Mode	Mode 1: Tx-AD2055320		
Date of Test	2017/04/14	Test Site	SR10-H

 $\pi/4$ -DQPSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
00	2402	1.022	0.923	Pass
39	2441	1.012	0.924	Pass
78	2480	1.026	0.927	Pass

Channel 00

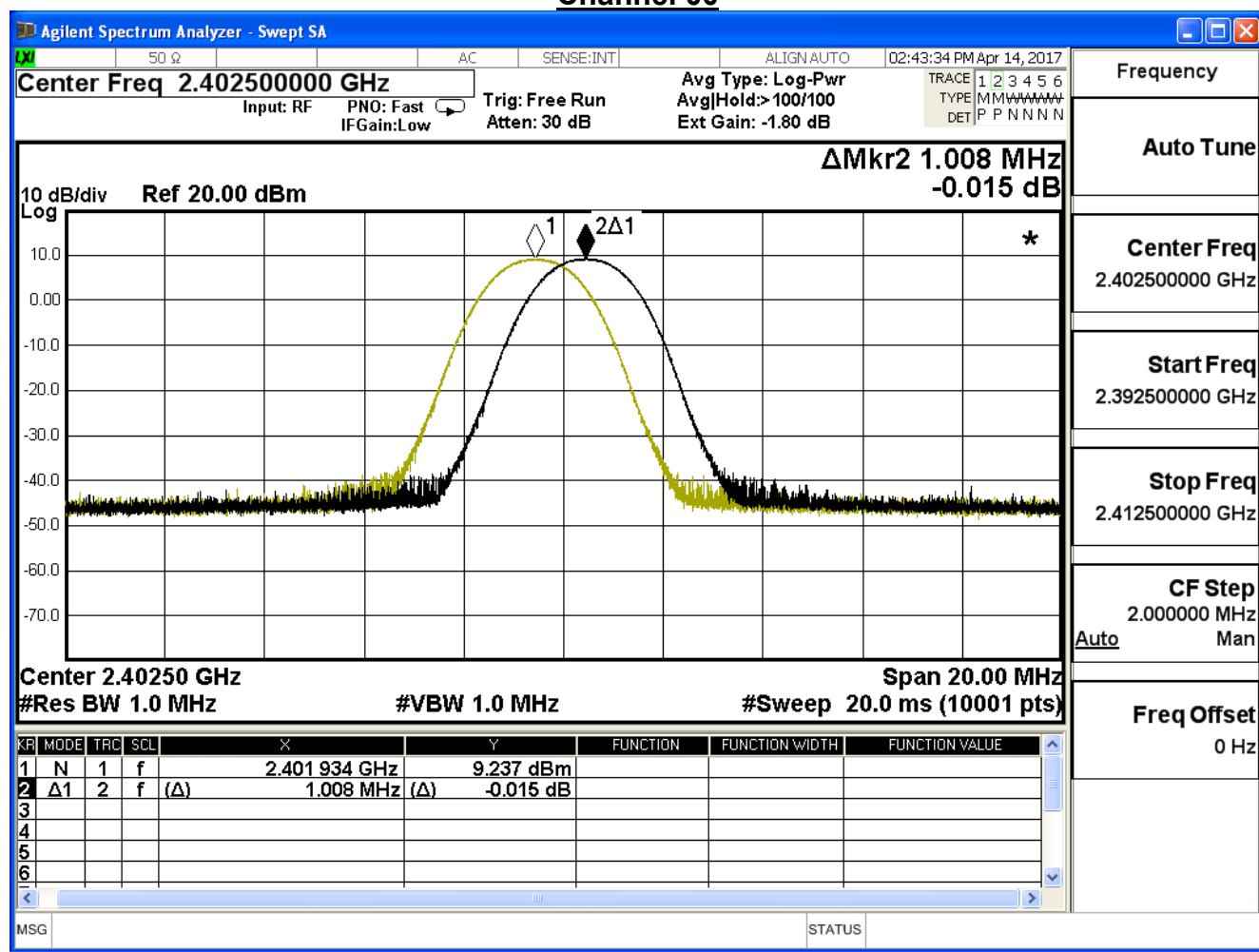
Channel 39

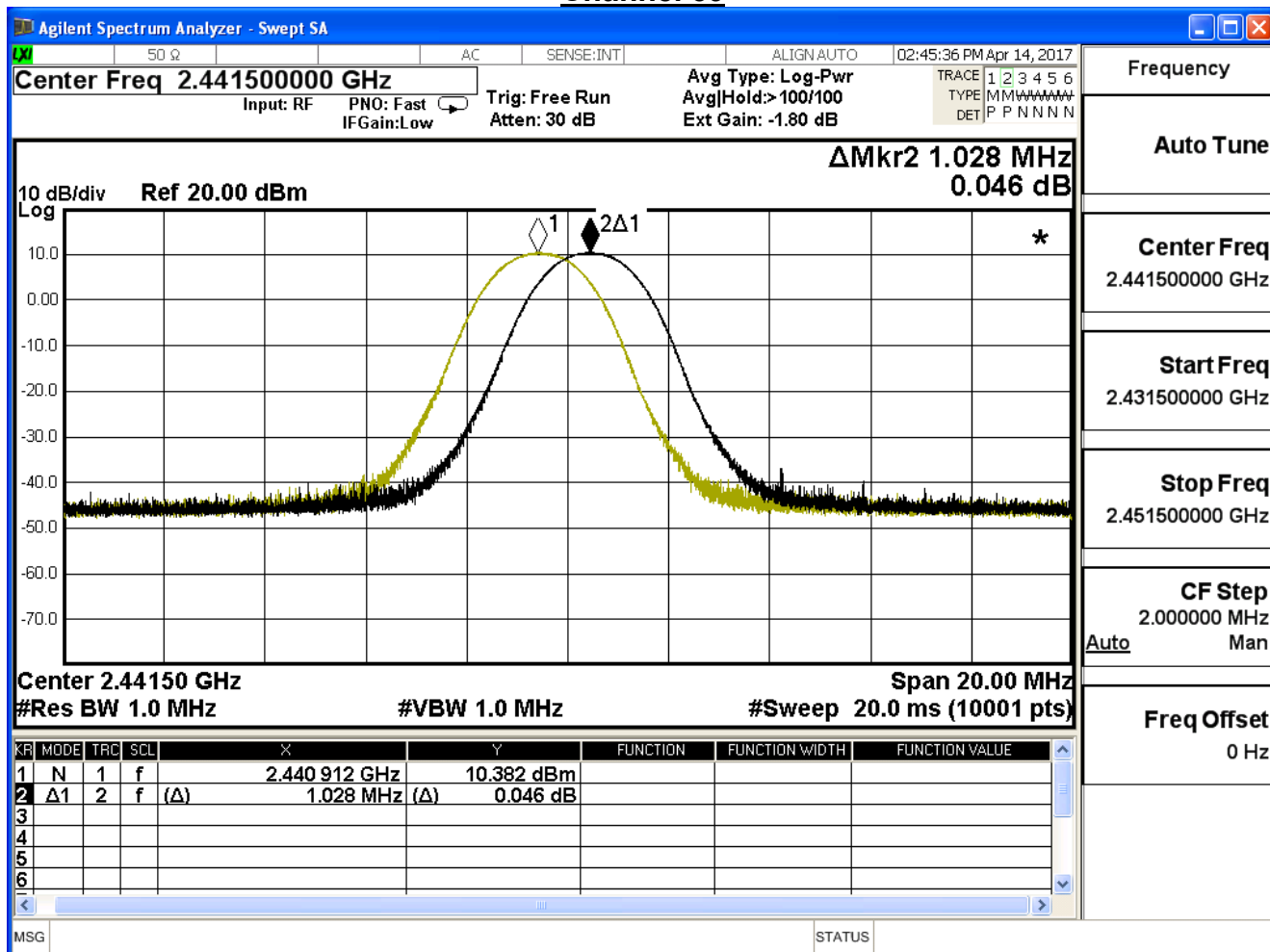
Channel 78

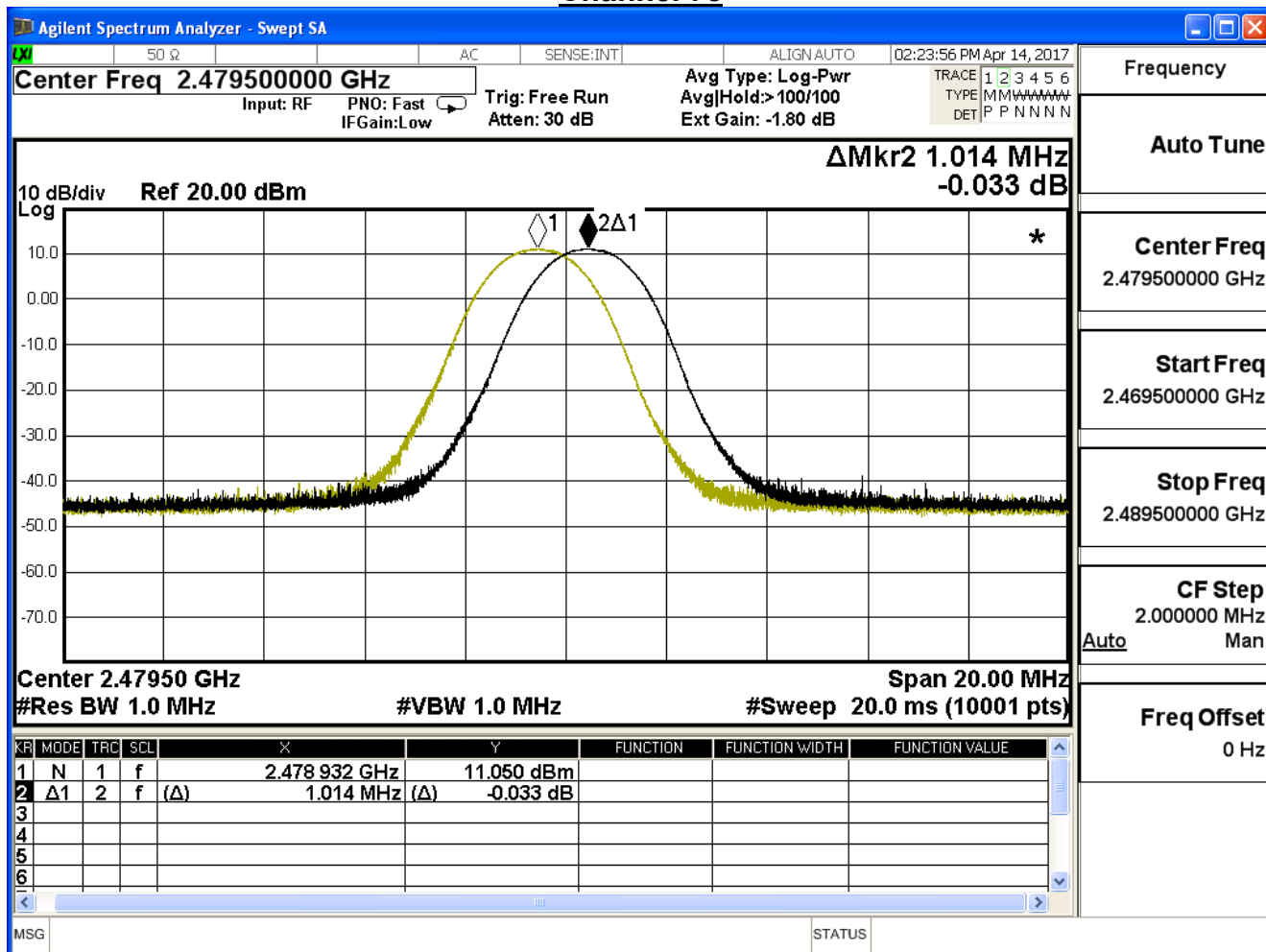
Product	Lyra		
Test Item	Carrier Frequency Separation		
Test Mode	Mode 1: Tx-AD2055320		
Date of Test	2017/04/14	Test Site	SR10-H

8-DPSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
00	2402	1.008	0.921	Pass
39	2441	1.028	0.921	Pass
78	2480	1.014	0.928	Pass

Channel 00

Channel 39

Channel 78

9. Occupied Bandwidth

9.1. Test Equipment

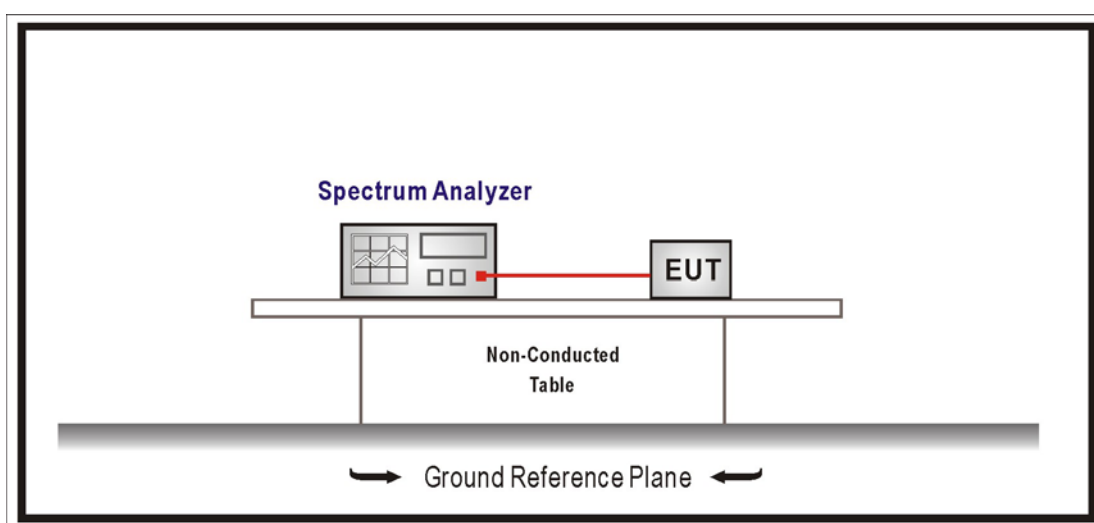
The following test equipment is used during the test:

Occupied Bandwidth / SR10-H

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2018/03/12

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

9.2. Test Setup



9.3. Limits

N/A

9.4. Test Procedures

The EUT was setup according to ANSI C63.10:2013 and tested according to FHSS test procedure of FCC Public Notice DA 00-705 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 $\geq$ 1% of the 20 dB bandwidth, VBW $\geq$ 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

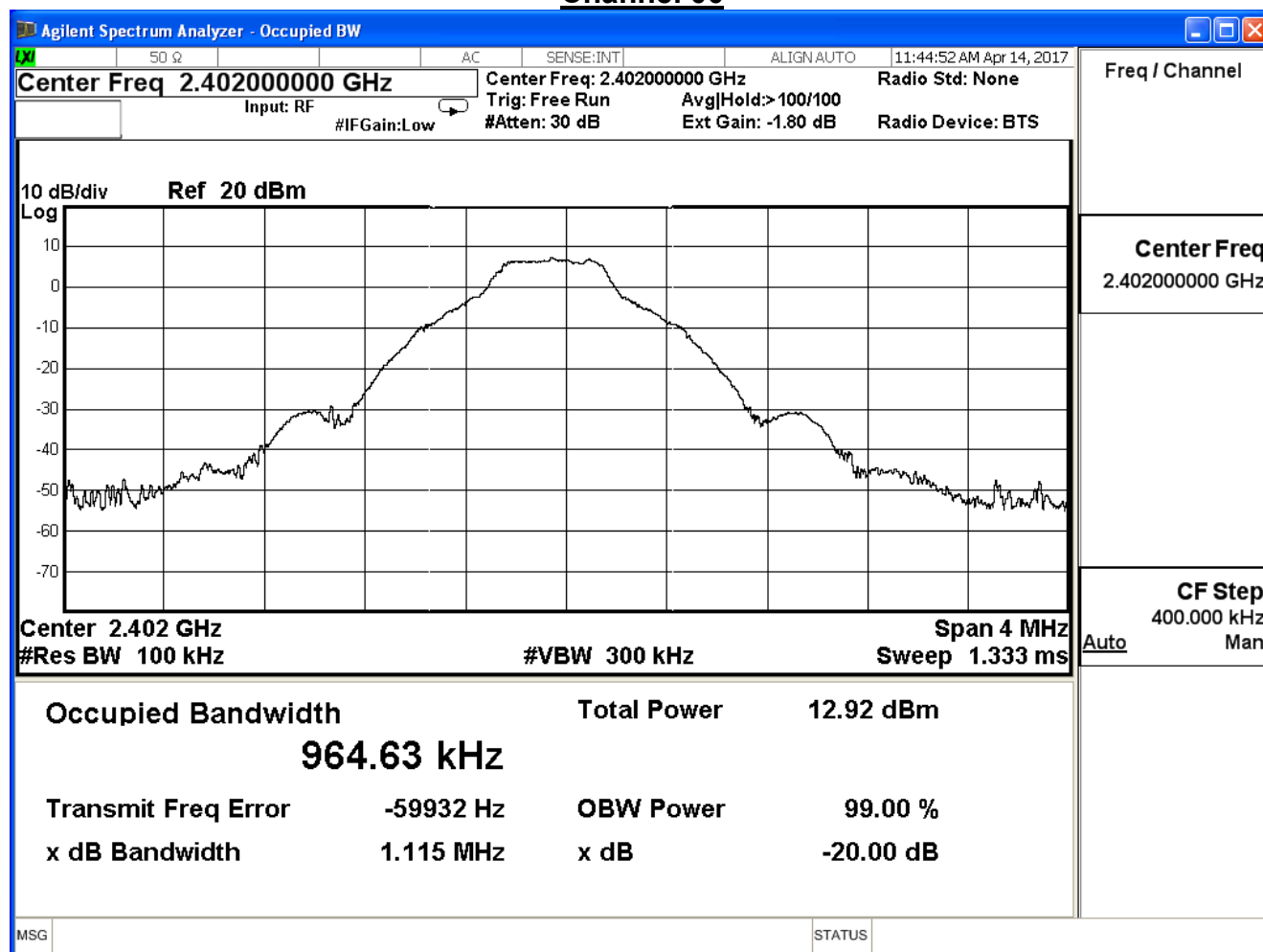
9.6. Test Result

Product	Lyra		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Tx-AD2055320		
Date of Test	2017/04/14	Test Site	SR10-H

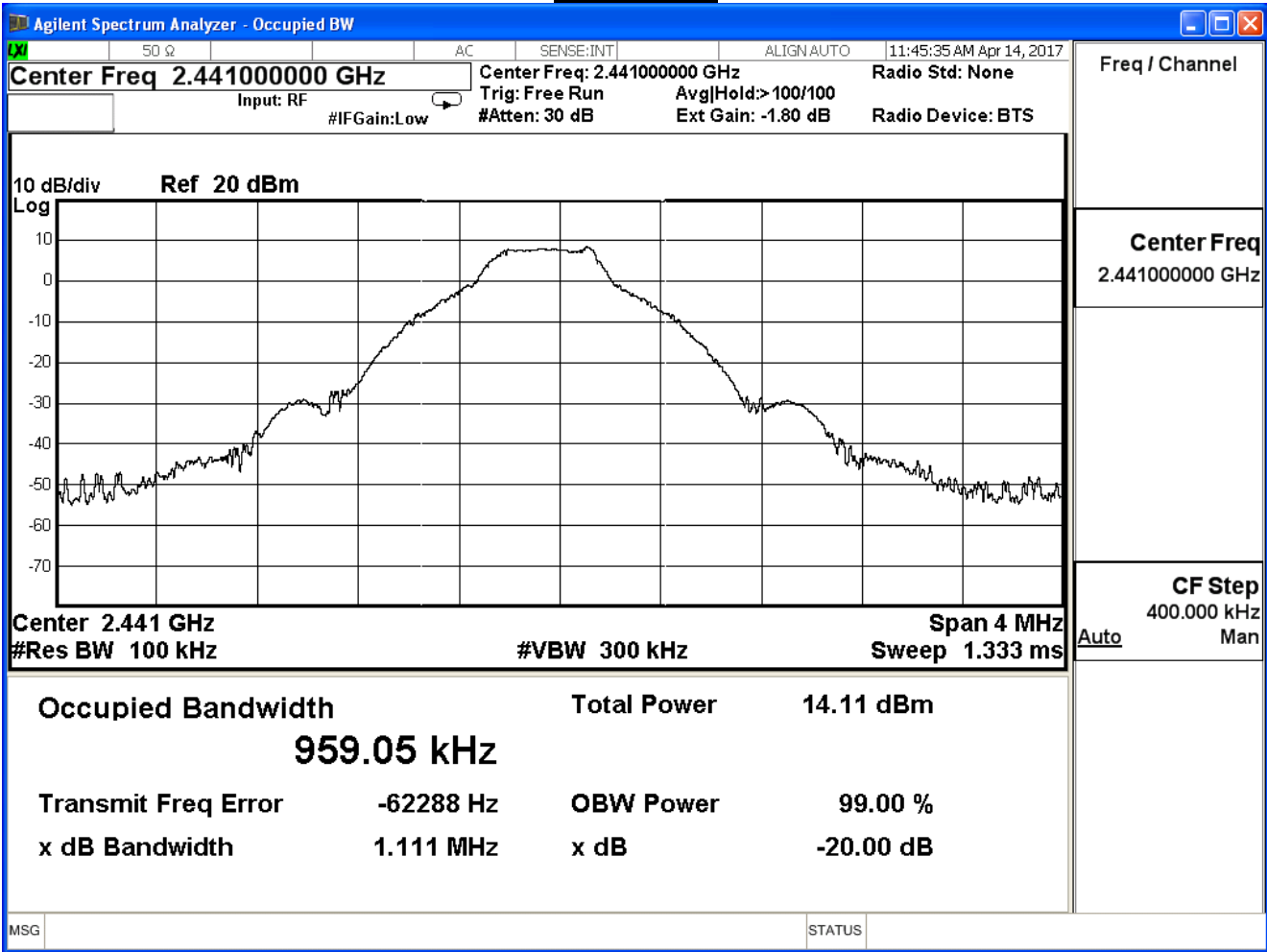
$\pi/4$ -DQPSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
00	2402	1.115	--	Pass
39	2441	1.111	--	Pass
78	2480	1.123	--	Pass

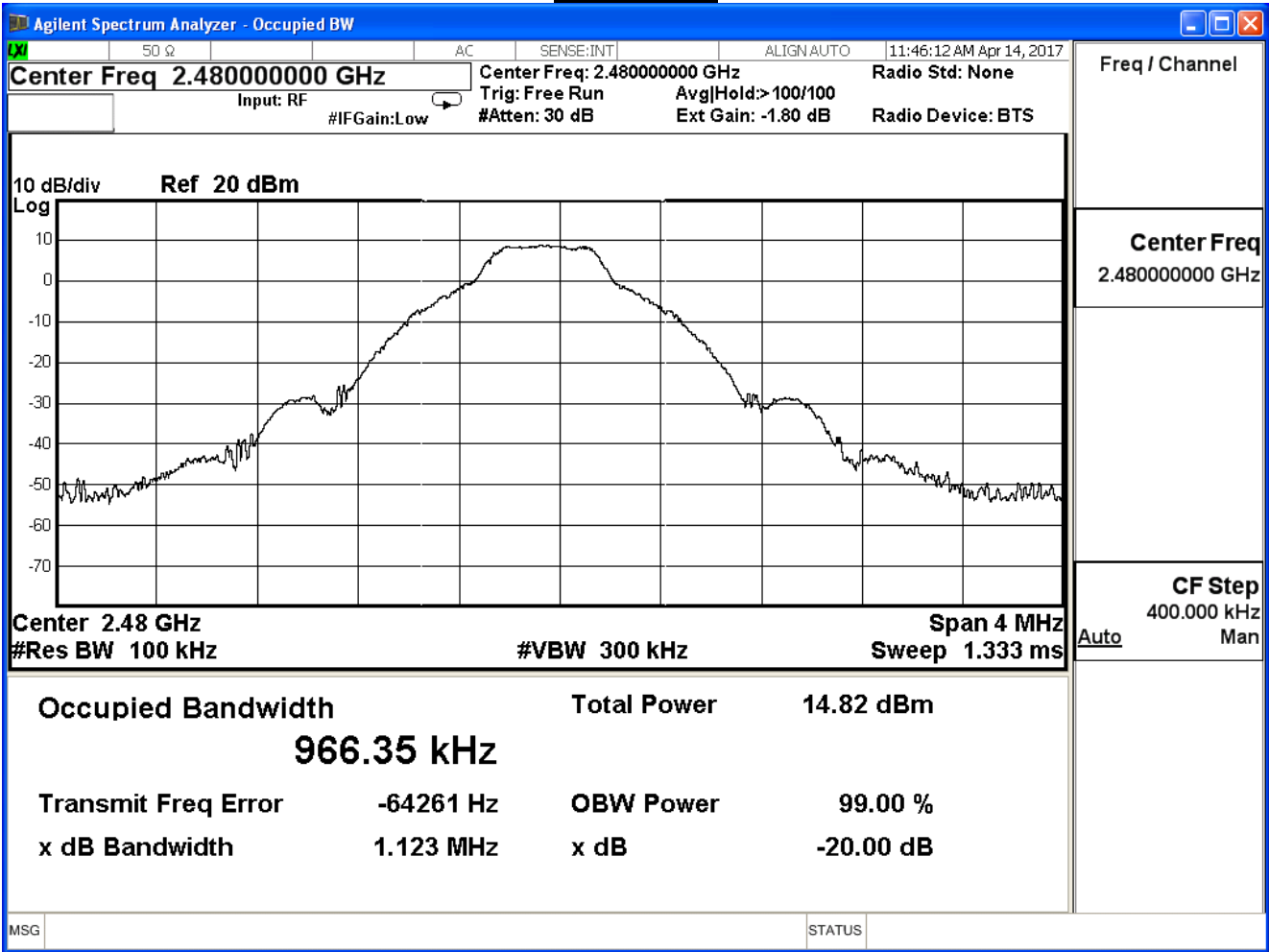
Channel 00



Channel 39



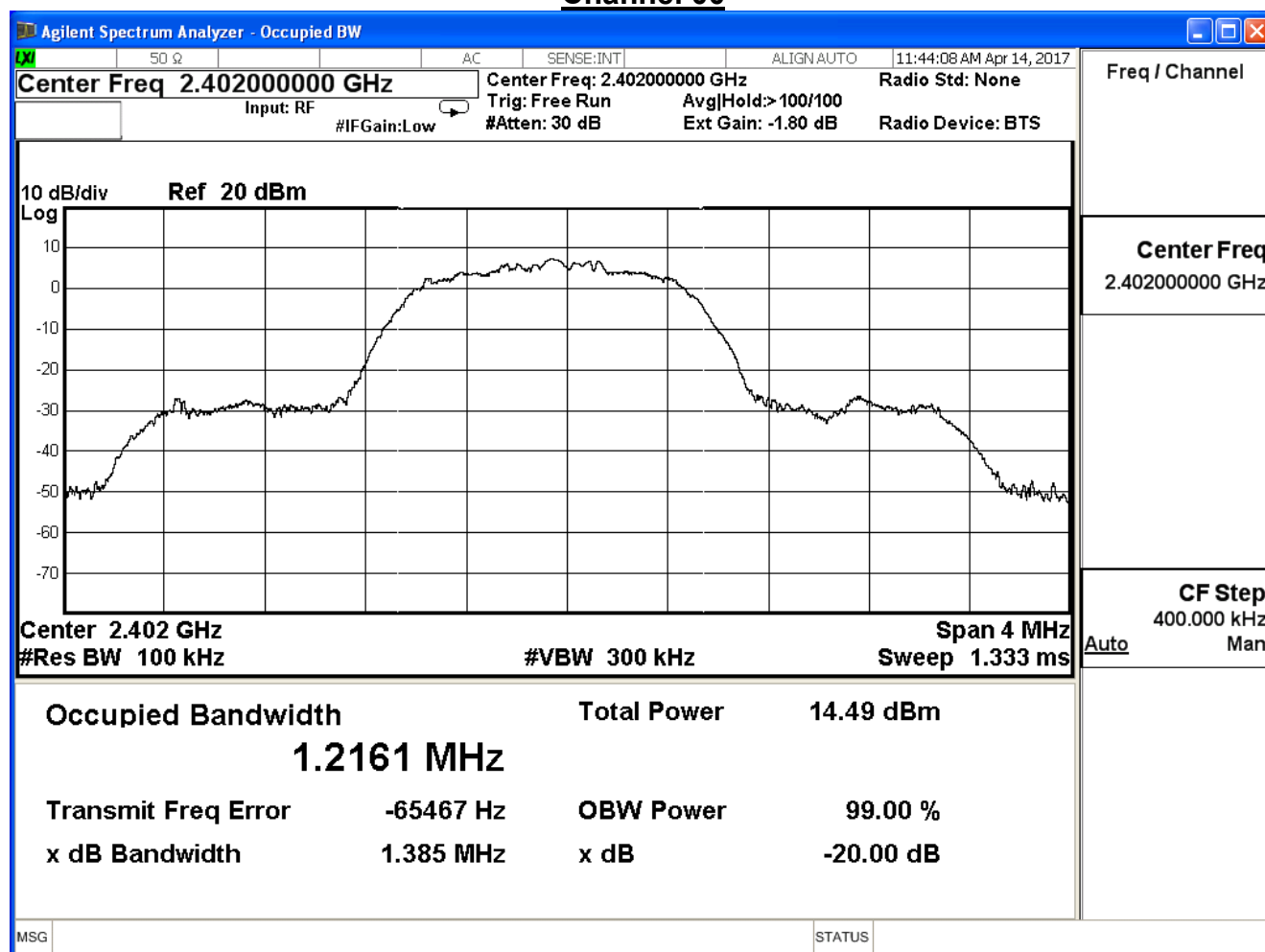
Channel 78



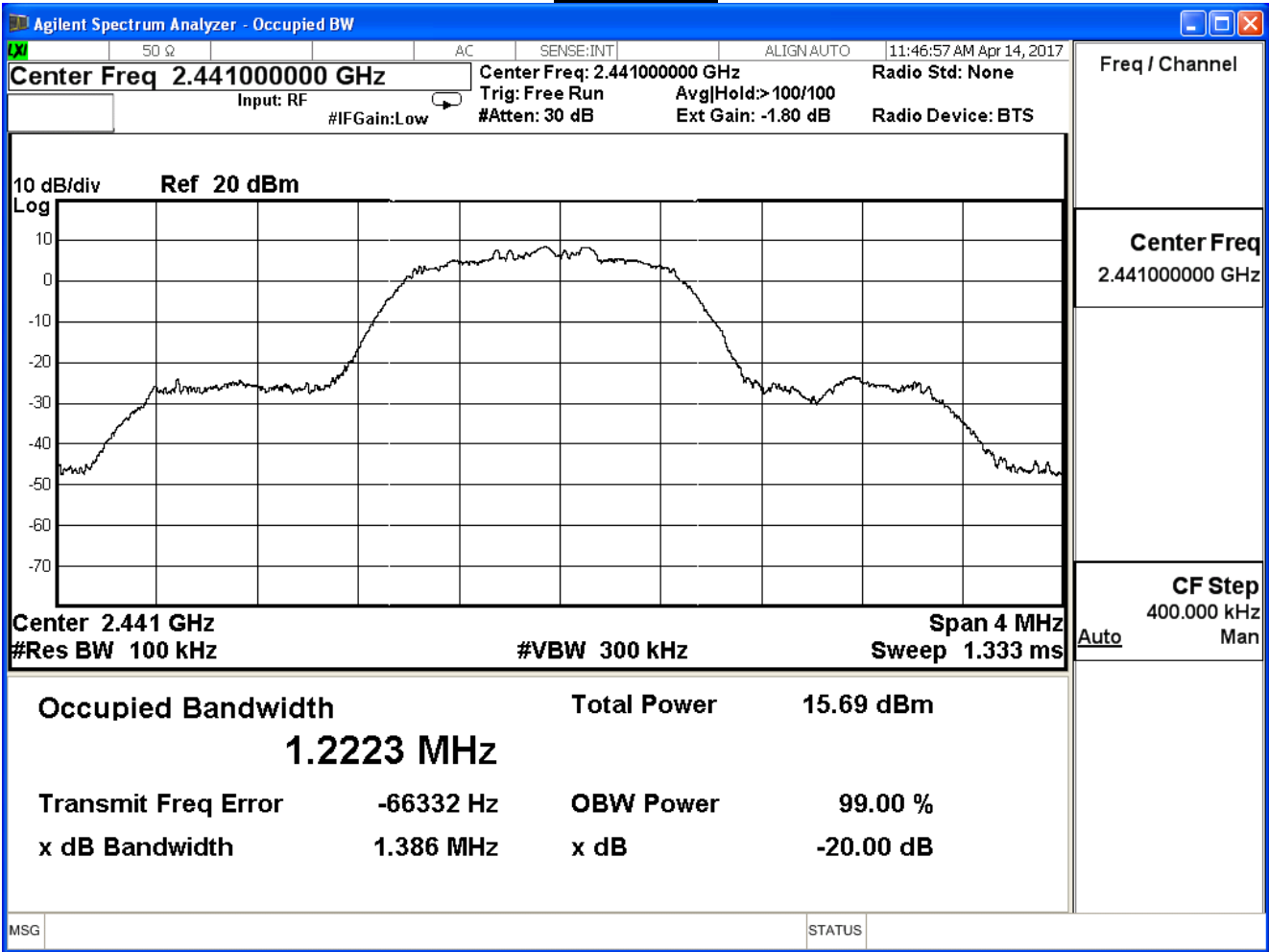
Product	Lyra		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Tx-AD2055320		
Date of Test	2017/04/14	Test Site	SR10-H

 $\pi/4$ -DQPSK

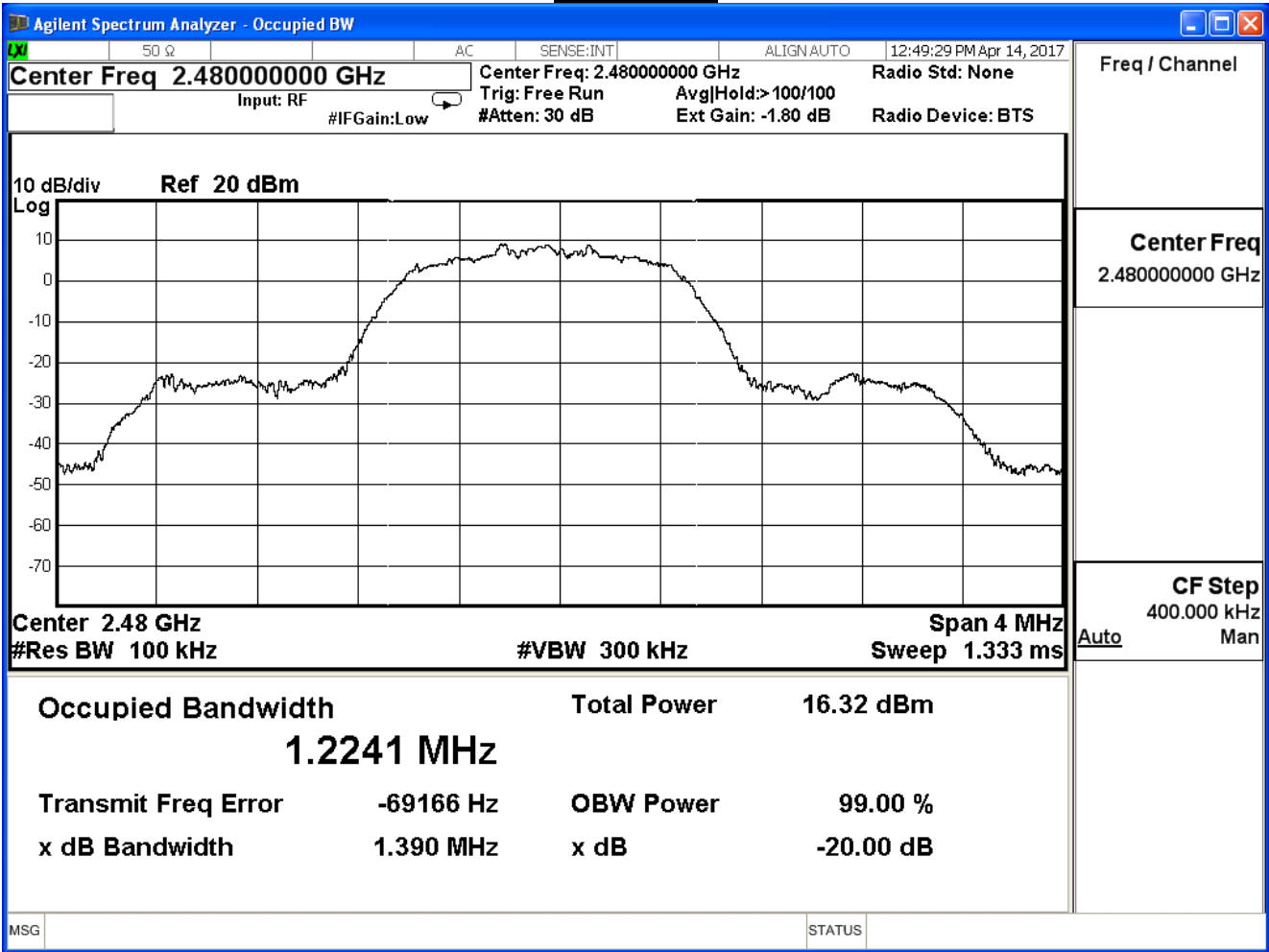
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
00	2402	1.385	--	Pass
39	2441	1.386	--	Pass
78	2480	1.390	--	Pass

Channel 00

Channel 39



Channel 78

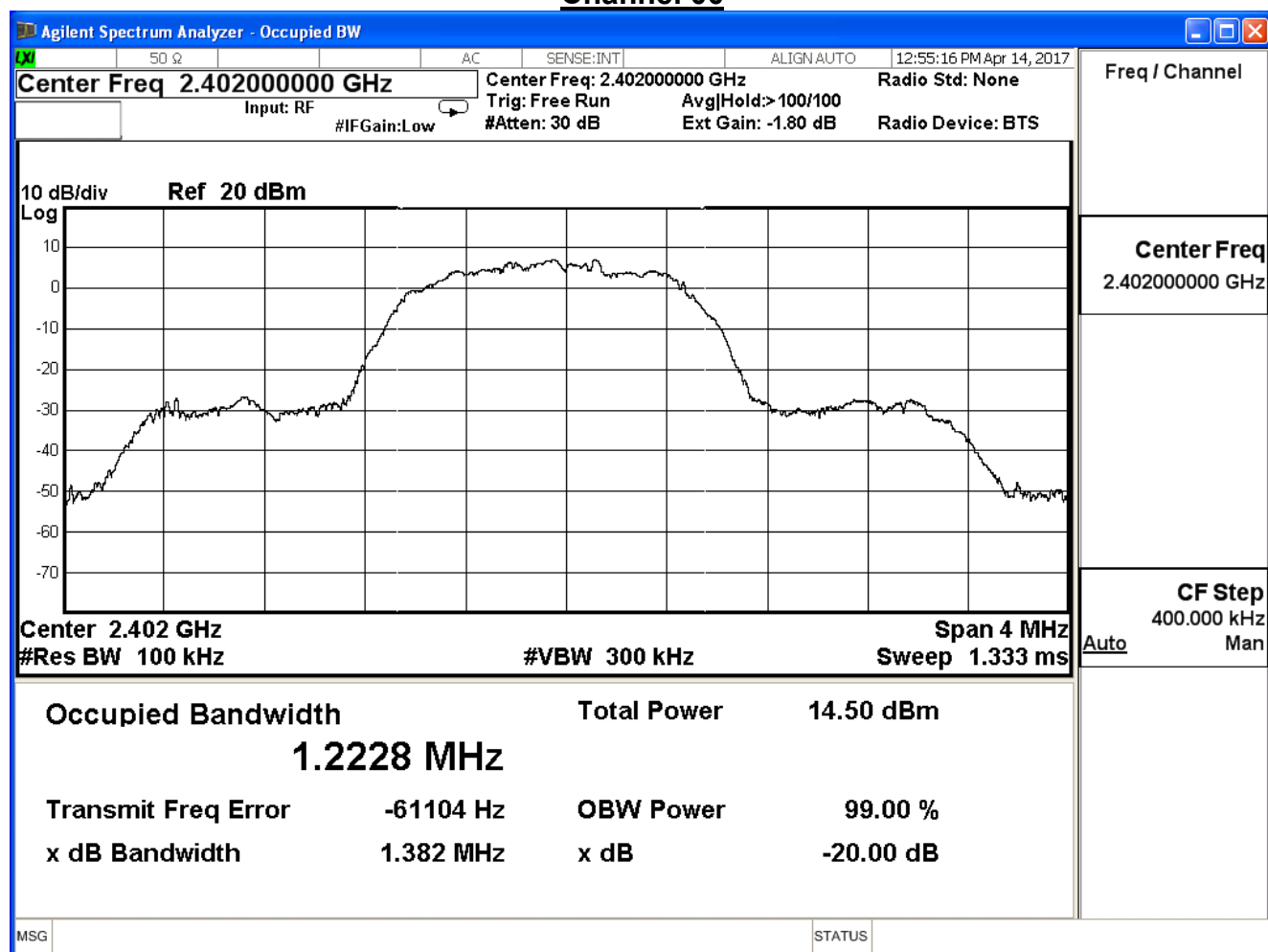


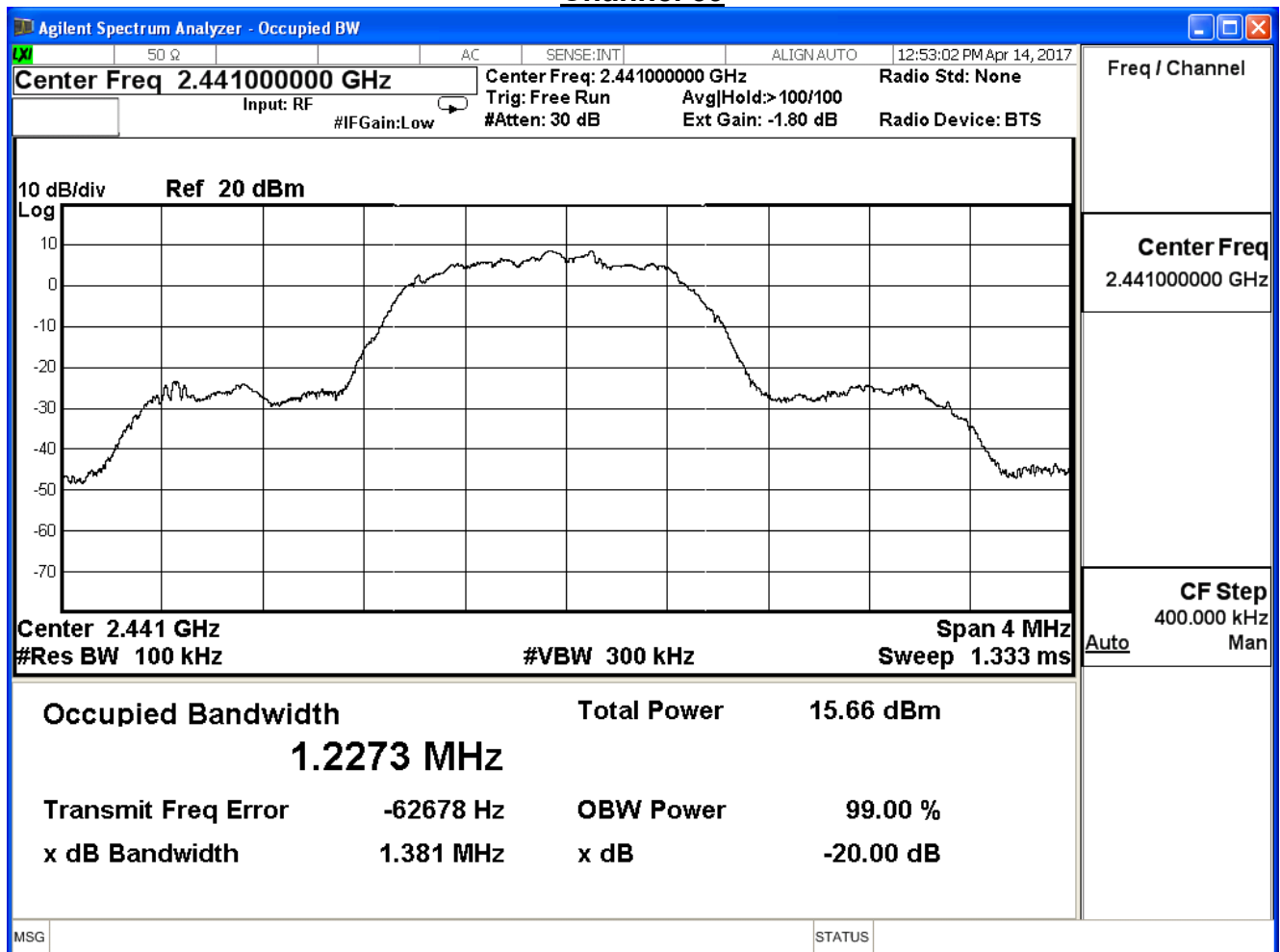
Product	Lyra		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Tx-AD2055320		
Date of Test	2017/04/14	Test Site	SR10-H

8-DPSK

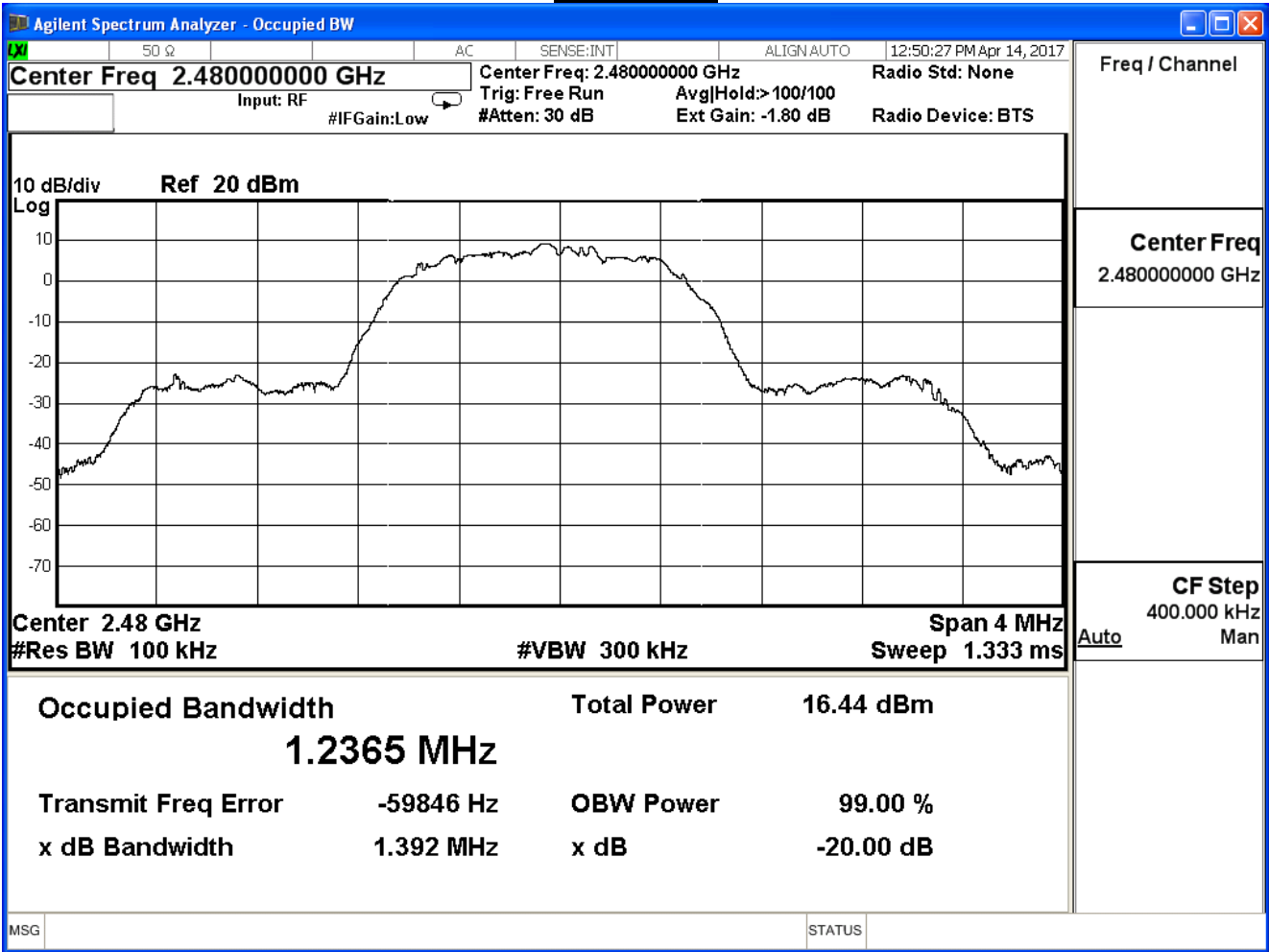
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
00	2402	1.382	--	Pass
39	2441	1.381	--	Pass
78	2480	1.392	--	Pass

Channel 00



Channel 39

Channel 78



10. Dwell Time

10.1. Test Equipment

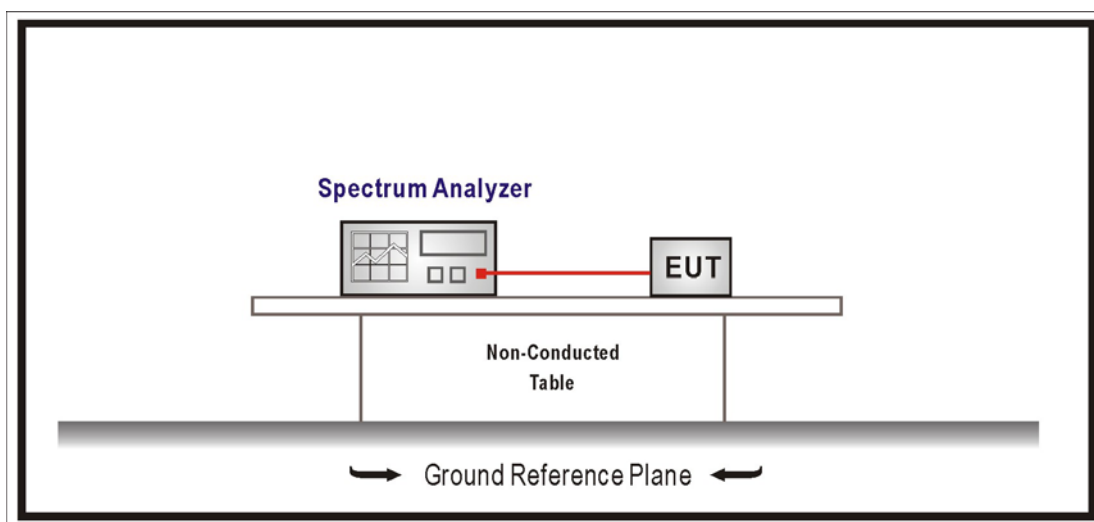
The following test equipment is used during the test:

Dwell Time / SR10-H

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2018/03/12

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 Public Notice DA 00-705 for compliance to FCC 47CFR 15.247 requirements

Span = zero span, centered on a hopping channel , RBW = 1 MHz, VBW $\geq$ 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	Lyra		
Test Item	Dwell Time		
Test Mode	Mode 1: Tx-AD2055320		
Date of Test	2017/04/14	Test Site	SR10-H

GFSK, DH5

Occupancy Time of Frequency Hopping System

A) 2402MHz Test Time Period: $0.4 \times 79 = 31.60\text{sec}$, Time slot length : 2.898 ms = 0.002898 sec

Dwell Time : 0.002898 * (266.67/79) * 31.60 = 0.3091 °

B) 2441MHz Test Time Period: $0.4 \times 79 = 31.60\text{sec}$, Time slot length : 2.898 ms = 0.002898 sec

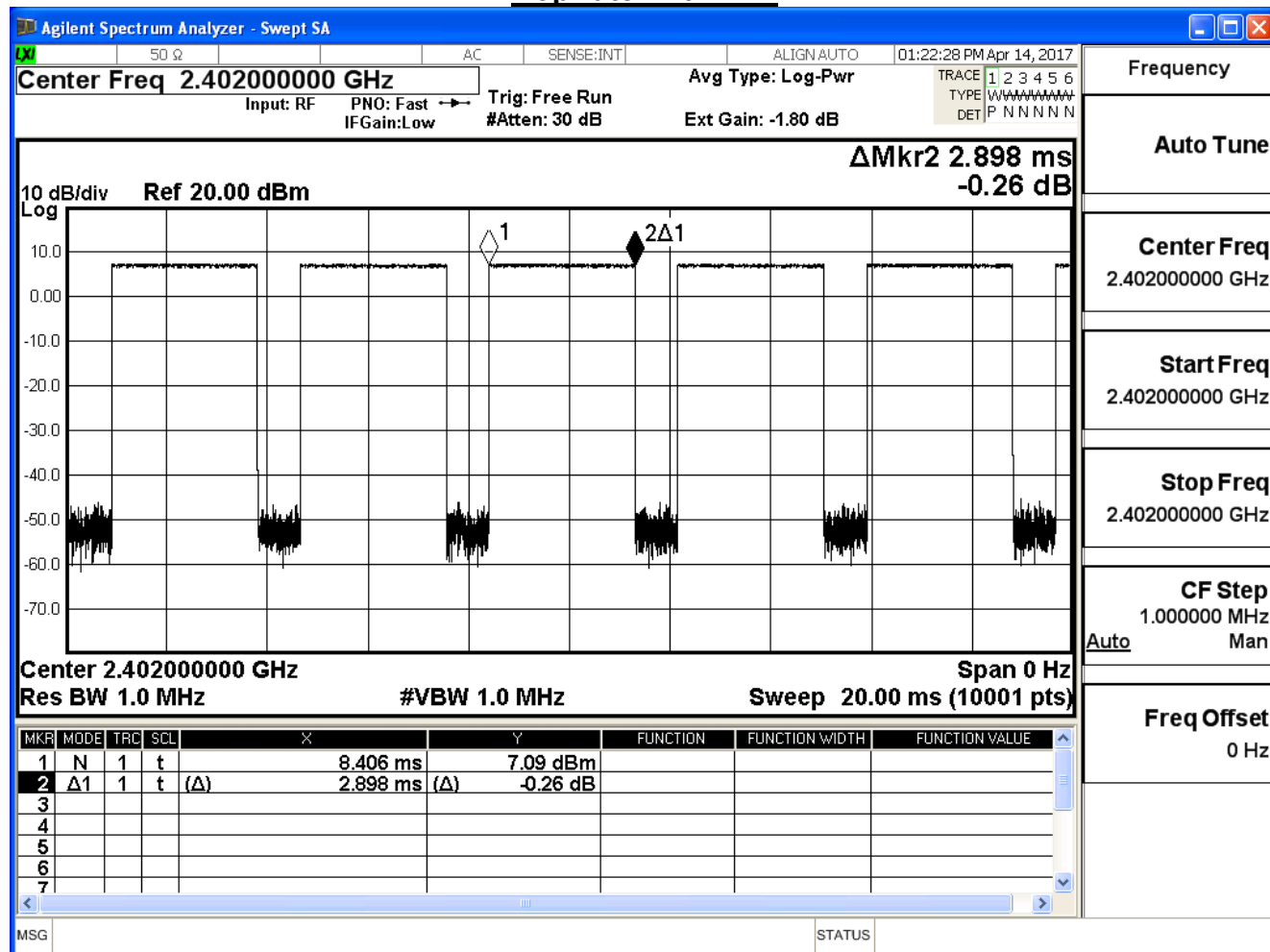
Dwell Time : 0.002898 * (266.67/79) * 31.60 = 0.3091 °

C) 2480MHz Test Time Period: $0.4 \times 79 = 31.60\text{sec}$, Time slot length : 2.892 = 0.002892 sec

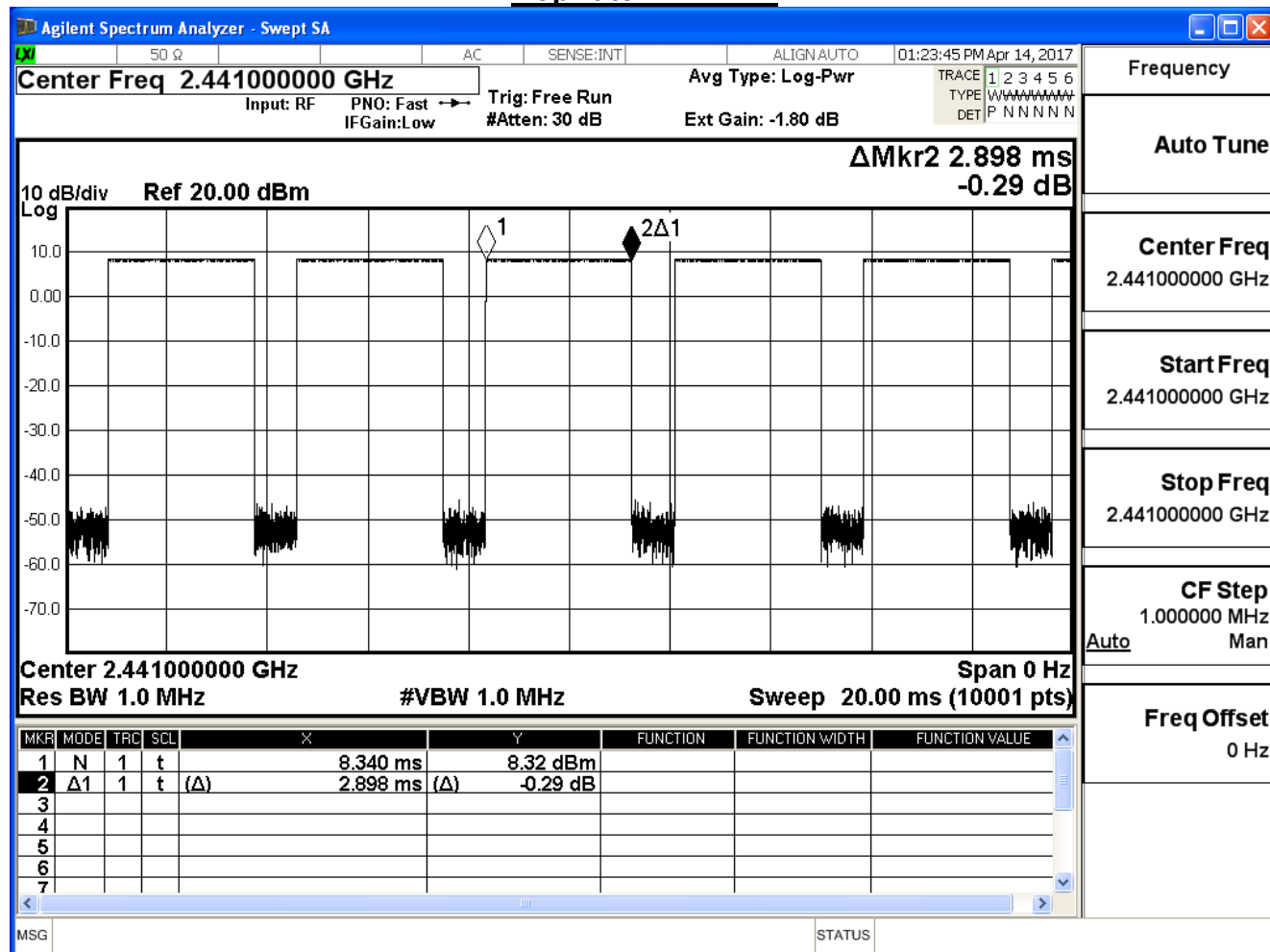
Dwell Time : 0.002892 * (266.67/79) * 31.60 = 0.3085 sec °

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

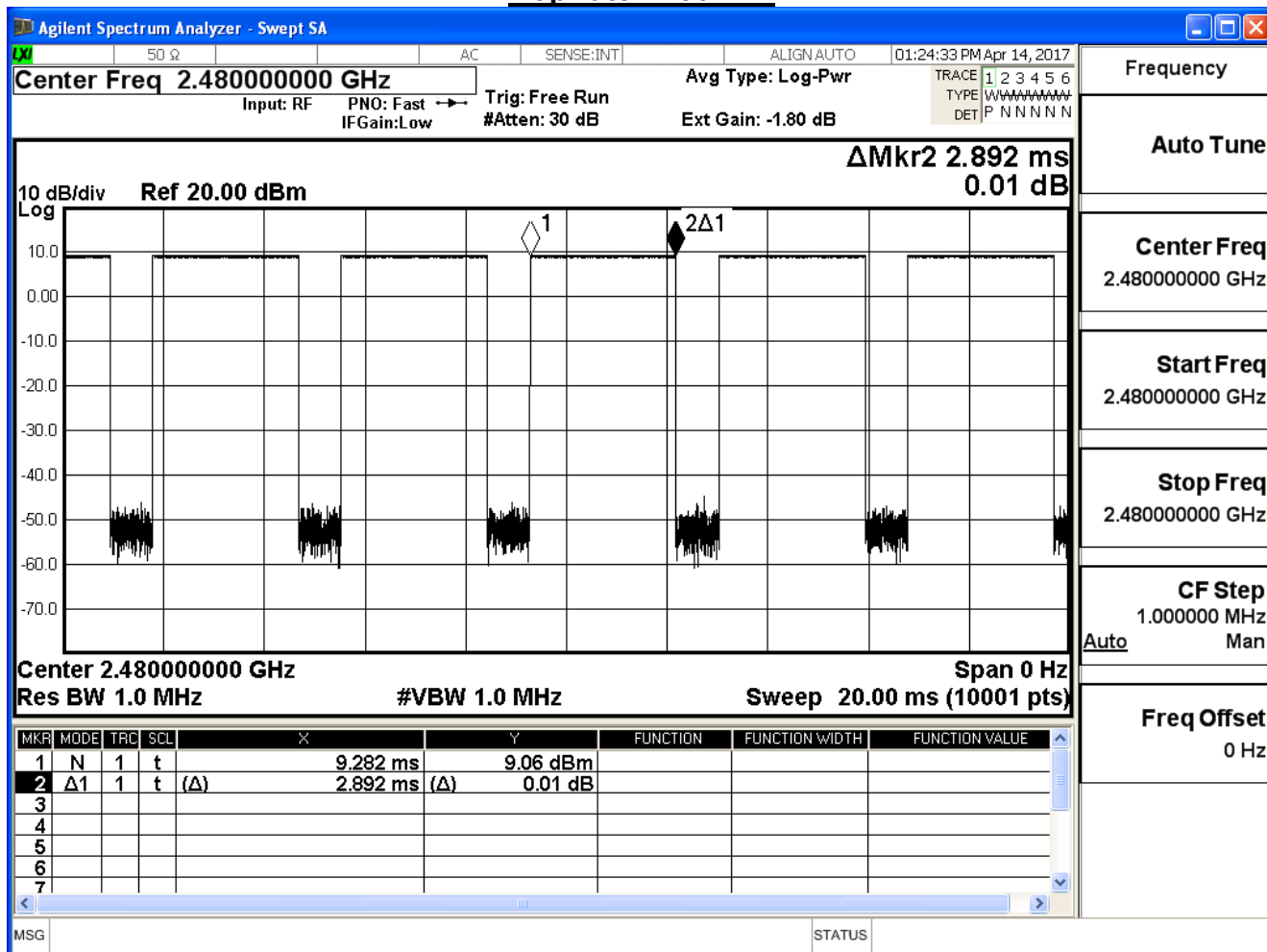
Hop rate-2402MHz



Hop rate-2441MHz



Hop rate-2480MHz



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

Product	Lyra		
Test Item	Dwell Time		
Test Mode	Mode 1: Tx-AD2055320		
Date of Test	2017/04/14	Test Site	SR10-H

$\pi/4$ -DQPSK, 2DH5

Occupancy Time of Frequency Hopping System

A) 2402MHz Test Time Period: $0.4 \times 79 = 31.60\text{sec}$, Time slot length : 2.902 ms = 0.002902 sec

Dwell Time : 0.002902 * (266.67/79) * 31.60 = 0.3095 sec °

B) 2441MHz Test Time Period: $0.4 \times 79 = 31.60\text{sec}$, Time slot length : 2.896 ms = 0.002896 sec

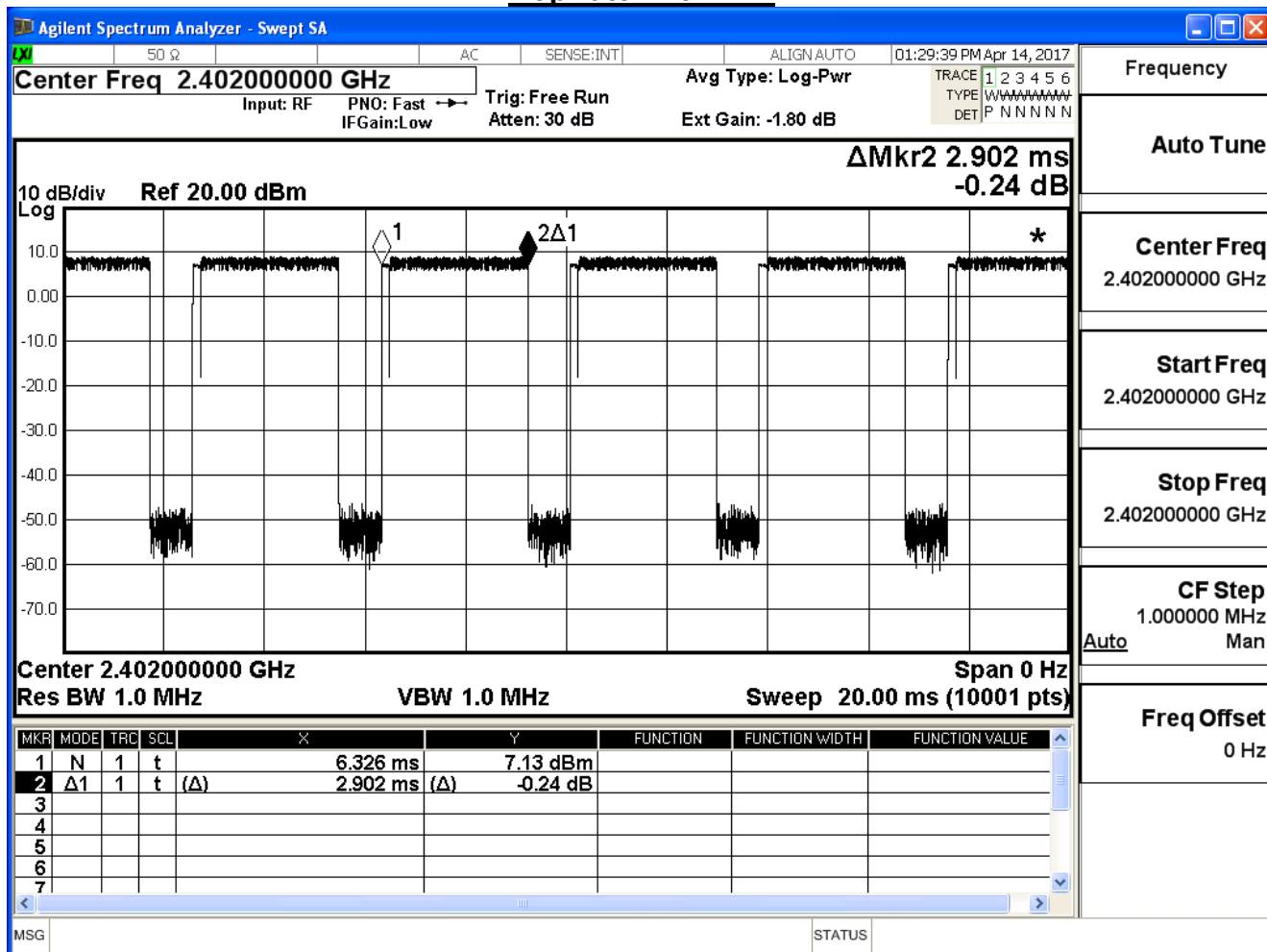
Dwell Time : 0.002896 * (266.67/79) * 31.60 = 0.3089 sec °

C) 2480MHz Test Time Period: $0.4 \times 79 = 31.60\text{sec}$, Time slot length : 2.888 ms = 0.002888 sec

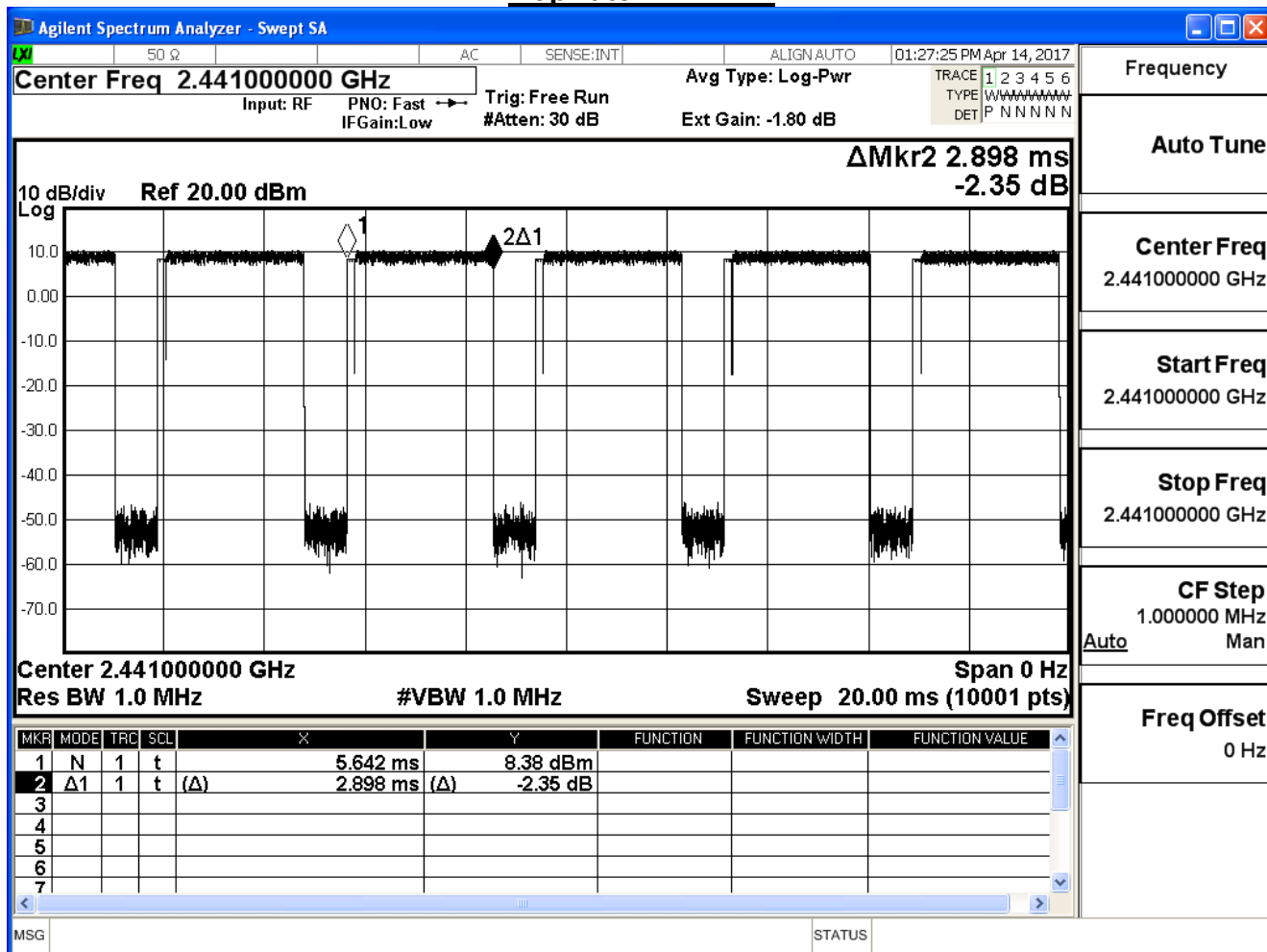
Dwell Time : 0.002904 * (266.67/79) * 31.60 = 0.3081 sec °

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

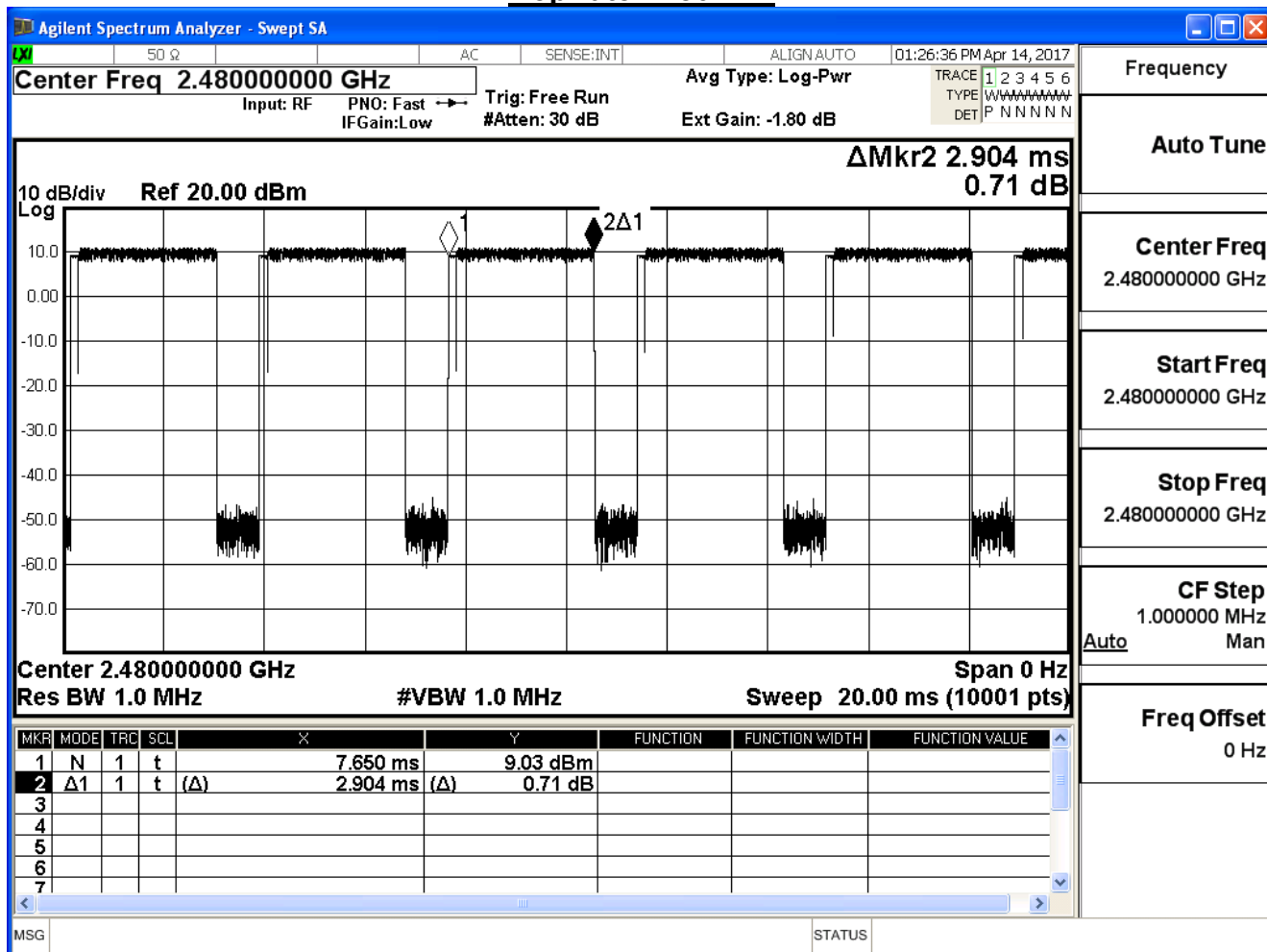
Hop rate-2402MHz



Hop rate-2441MHz



Hop rate-2480MHz



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

Product	Lyra		
Test Item	Dwell Time		
Test Mode	Mode 1: Tx-AD2055320		
Date of Test	2017/04/14	Test Site	SR10-H

8-DPSK, 3DH5

Occupancy Time of Frequency Hopping System

A) 2402MHz Test Time Period: $0.4 \times 79 = 31.60\text{sec}$, Time slot length : $2.904\text{ms} = \underline{0.002904}$ sec

Dwell Time : $\underline{0.002904} \times (266.67/79) \times 31.60 = \underline{0.3098}$ sec °

B) 2441MHz Test Time Period: $0.4 \times 79 = 31.60\text{sec}$, Time slot length : $2.898\text{ms} = \underline{0.002898}$ sec

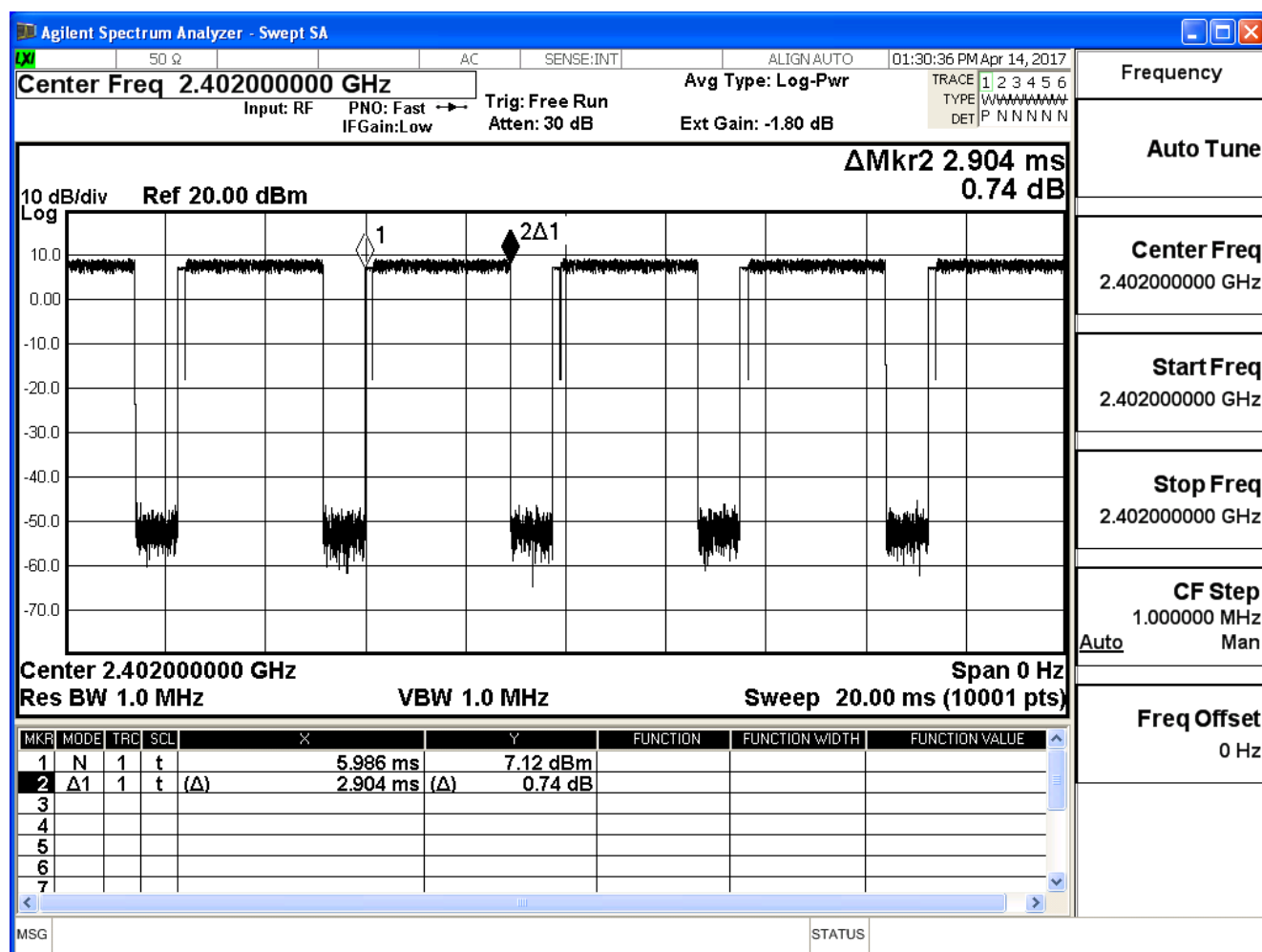
Dwell Time : $\underline{0.002898} \times (266.67/79) \times 31.60 = \underline{0.3091}$ sec °

C) 2480MHz Test Time Period: $0.4 \times 79 = 31.60\text{sec}$, Time slot length : $2.904\text{ms} = \underline{0.002904}$ sec

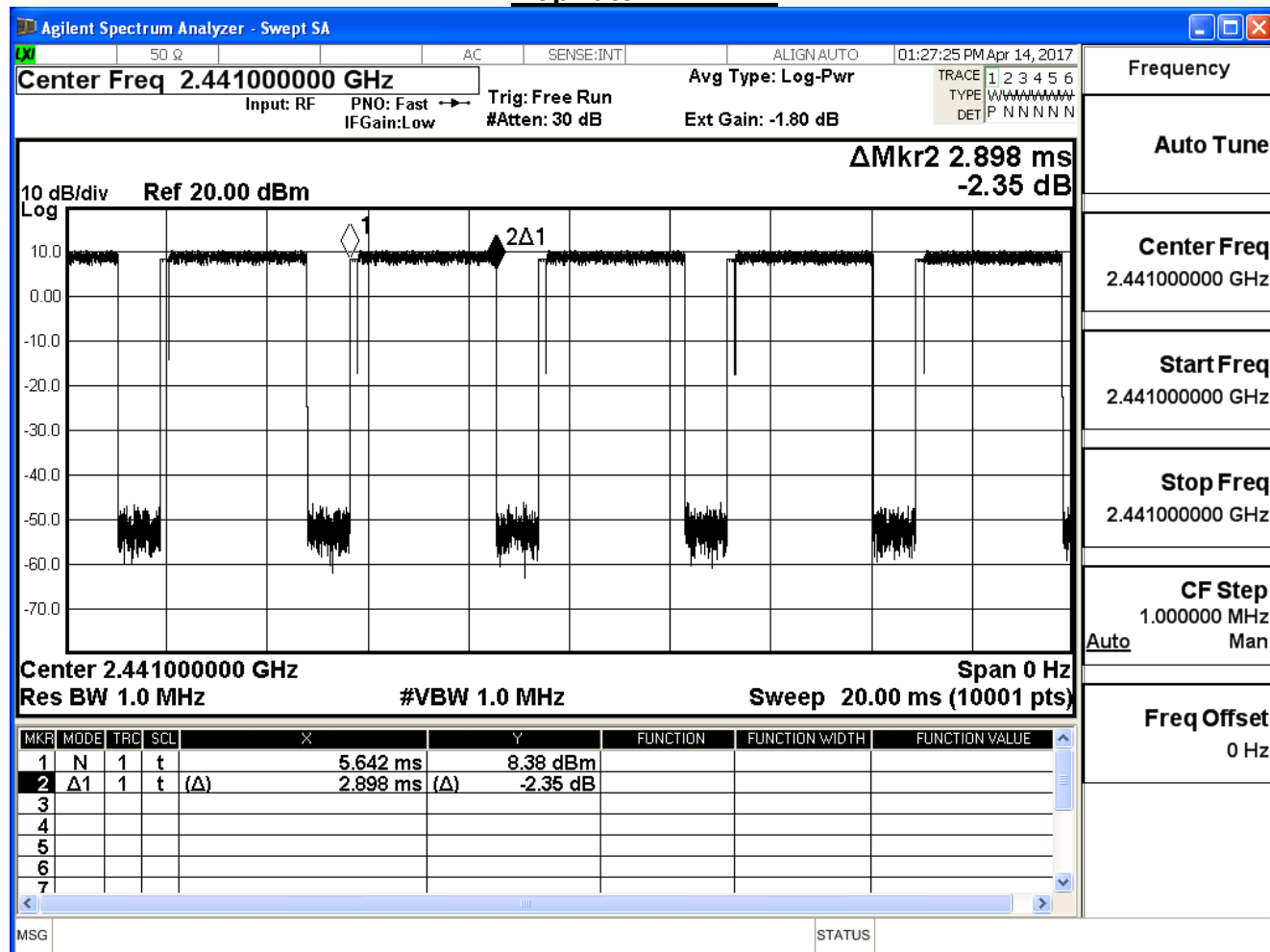
Dwell Time : $\underline{0.002904} \times (266.67/79) \times 31.60 = \underline{0.3098}$ sec °

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

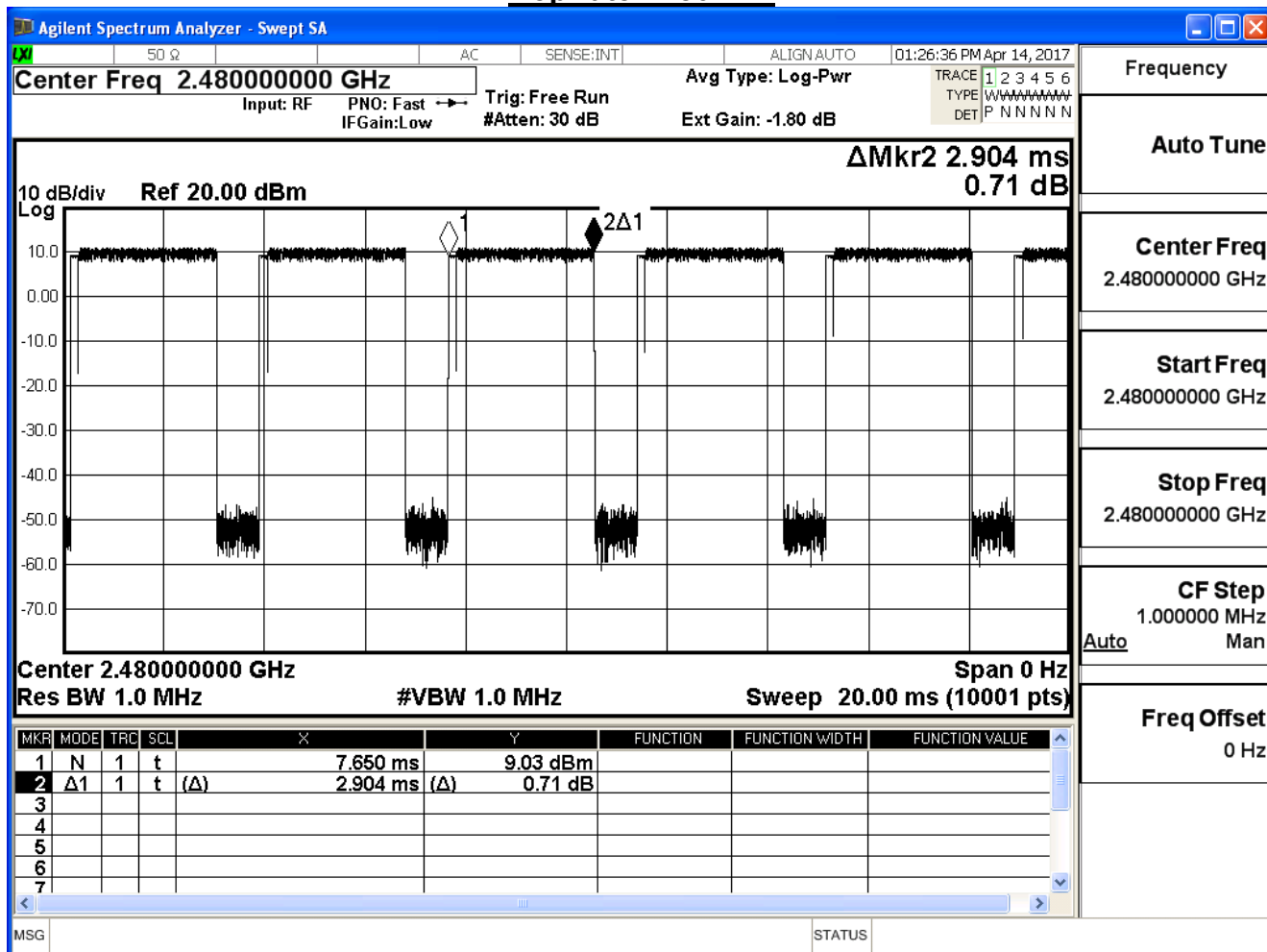
Hop rate-2402MHz



Hop rate-2441MHz



Hop rate-2480MHz



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