FCC Test Report

Product Name	：	Lyra mini
Trade Name	：	ASUS
Model No.	：	MAP-AC1300
FCC ID.	：	MSQ-RTACBV00

Applicant	：	ASUSTeK COMPUTER INC.
Address	：	4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan

Date of Receipt	：	Nov. 17, 2016
Issued Date	：	Jan. 25, 2017
Report No.	：	16B0409R-RFUSP07V00
Report Version	：	V1.0

Testing Laboratory
3024

The test results relate only to the samples tested.
The test report shall not be reproduced except in full without the written approval of DEKRA Testing and Certification Co., Ltd.

Test Report Certification

Issued Date : Jan. 25, 2017
Report No. : 16B0409R-RFUSP07V00

Product Name	:	Lyra mini
Applicant	:	ASUSTeK COMPUTER INC.
Address	:	4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan
Manufacturer	:	ASUSTeK COMPUTER INC.
Model No.	:	MAP-AC1300
FCC ID.	:	MSQ-RTACBV00
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 ANSI C63.10: 2013
Test Lab	:	Hsin Chu Laboratory
Test Result	:	Complied

The test results relate only to the samples tested.
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Documented By : Dee Chang.
(Demi Chang / Senior Engineering Adm. Specialist)

Tested By : Scott Chang
(Scott Chang / Assistant Engineer)

Approved By : Roy Wang
(Roy Wang / Director)

Revision History

Report No.	Version	Description	Issued Date
16B0409R-RFUSP07V00	V1.0	Initial issue of report	Jan. 25, 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 mini	
Trade Name	ASUS	
Model No.	MAP-AC1300	
Frequency Range/ Channel Number	IEEE 802.11b/g IEEE 802.11n (20MHz)	2412~2462MHz / 11 Channels
	IEEE 802.11n (40MHz)	2422~2452MHz / 7 Channels
Type of Modulation	IEEE 802.11b	Direct Sequence Spread Spectrum
	IEEE 802.11g/n	Orthogonal Frequency Division Multiplexing
Data Speed	IEEE 802.11b	1, 2, 5.5, 11Mbps
	IEEE 802.11g	6, 9, 12,18, 24, 36, 48,54Mbps
	IEEE 802.11n	Support a subset of the combination of GI, MCS 0~MCS 15 and bandwidth defined in 802.11n

Antenna Information	
Antenna Type	PIFA
Antenna Gain	2.43 dBi
Beamforming Gain	1.77 dBi

Accessories Information	
USB Cable	Non-Shielded, 2m
LAN Cable	Non-Shielded, 2m
Power Adapter	ASUS, AD2037320910LF I/P: 100-240V~50/60Hz, 0.3A O/P: 5V ⎓ 2A Cable Out: Non-Shielded, 2m
Power Adapter	ASUS, W12-010N3A I/P: 100-240V~50/60Hz, 0.3A O/P: 5V ⎓ 2A Cable Out: Non-Shielded, 2m

ANT-TX / RX & Bandwidth

ANT-TX / RX	TX		RX	
Mode/ Channel Bandwidth	20MHz	40MHz	20MHz	40MHz
IEEE802.11b	✓		✓	
IEEE802.11g	✓		✓	
IEEE802.11n	✓	✓	✓	✓

IEEE 802.11n

MCS Index	Modulation	R	N_{BPSCS}	N_{CBPS}		N_{DBPS}		Data Rate(Mb/s)			
				20MHz	40MHz	20MHz	40MHz	800ns GI		400ns GI	
								20MHz	40MHz	20MHz	40MHz
0	BPSK	1/2	1	52	108	26	54	6.5	13.5	7.2	15.0
1	QPSK	1/2	2	104	216	52	108	13.0	27.0	14.4	30.0
2	QPSK	3/4	2	104	216	78	162	19.5	40.5	21.7	45.0
3	16-QAM	1/2	4	208	432	104	216	26.0	54.0	28.9	60.0
4	16-QAM	3/4	4	208	432	156	324	39.0	81.0	43.3	90.0
5	64-QAM	2/3	6	312	648	208	432	52.0	108.0	57.8	120.0
6	64-QAM	3/4	6	312	648	234	486	58.5	121.5	65.0	135.0
7	64-QAM	5/6	6	312	648	260	540	65.0	135.0	72.2	150.0
Note 1: Support of 400ns GI is optional on transmit and receive.											

Table 1 – MCS parameters for TX Antenna number = 1

MCS Index	Modulation	R	N_{BPSCS}	N_{CBPS}		N_{DBPS}		Data Rate(Mb/s)			
				20MHz	40MHz	20MHz	40MHz	800ns GI		400ns GI	
								20MHz	40MHz	20MHz	40MHz
8	BPSK	1/2	1	104	216	52	108	13.0	27.0	14.4	30.0
9	QPSK	1/2	2	208	432	104	216	26.0	54.0	28.9	60.0
10	QPSK	3/4	2	208	432	156	324	39.0	81.0	43.3	90.0
11	16-QAM	1/2	4	416	864	208	432	52.0	108.0	57.8	120.0
12	16-QAM	3/4	4	416	864	312	648	78.0	162.0	86.7	180.0
13	64-QAM	2/3	6	624	1296	416	864	104.0	216.0	115.6	240.0
14	64-QAM	3/4	6	624	1296	468	972	117.0	243.0	130.0	270.0
15	64-QAM	5/6	6	624	1296	520	1080	130.0	270.0	144.4	300.0
Note 1: Support of 400ns GI is optional on transmit and receive.											

Table 2 – MCS parameters for TX Antenna number = 2

Symbol	Explanation
R	Code rate
N_{BPSC}	Number of coded bits per single carrier
N_{CBPS}	Number of coded bits per symbol
N_{DBPS}	Number of data bits per symbol
GI	guard interval

IEEE 802.11b/g & IEEE 802.11n (20MHz)

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
001	2412 MHz	002	2417 MHz	003	2422 MHz	004	2427 MHz
005	2432 MHz	006	2437 MHz	007	2442 MHz	008	2447 MHz
009	2452 MHz	010	2457 MHz	011	2462 MHz		

IEEE 802.11n (40MHz)

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
003	2422 MHz	004	2427 MHz	005	2432 MHz	006	2437 MHz
007	2442 MHz	008	2447 MHz	009	2452 MHz		

Note:

1. This device is a Lyra mini 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. The function of the 5G and BT transmitting is measured and makes a test report of the number: 16B0409R-RFUSP05V00 & 16B0409R-RFUSP03V00 & 16B0409R-RFUSP03V00-A.
4. This device is a composite device in accordance with Part 15 regulations. The receiving function receiving was tested and its test report number is 16B0409R-RFUSP12V00.

1.2. Test Mode

DEKRA has verified the construction and function in typical operation. The preliminary tests were performed in different data rate, and to find the worst condition, which was shown in this test report. The following table is the final test mode.

TX	Mode 1: Tx-AD2037320910LF-CDD Mode Mode 2: Tx-W12-010N3A-CDD Mode Mode 3: Tx-AD2037320910LF-BF Mode

Test Items	Modulation	Channel	Antenna	Result
Conducted Emission	11n(40MHz)	6	0+1	Complies
Peak Power Output	11b/g	1/ 6/ 11	0/1	Complies
	11n(20MHz)	1/ 6/ 11	0+1	Complies
	11n(40MHz)	3/6/9	0+1	Complies
Radiated Emission	11b/g	1/ 6/ 11	0+1	Complies
	11n(20MHz)	1/ 6/ 11	0+1	Complies
	11n(40MHz)	3/ 6/ 9	0+1	Complies
RF antenna conducted test	11b/g	1/ 6/ 11	0/1	Complies
	11n(20MHz)	1/ 6/ 11	0/1	Complies
	11n(40MHz)	3/ 6/ 9	0/1	Complies
Radiated Emission Band Edge	11b/g	1/ 6/ 11	0+1	Complies
	11n(20MHz)	1/ 6/ 11	0+1	Complies
	11n(40MHz)	3/ 6/ 9	0+1	Complies
DTS Bandwidth	11b/g	1/ 6/ 11	0/1	Complies
	11n(20MHz)	1/ 6/ 11	0/1	Complies
	11n(40MHz)	3/ 6/ 9	0/1	Complies
Occupied Bandwidth	11b/g	1/ 6/ 11	0/1	Complies
	11n(20MHz)	1/ 6/ 11	0/1	Complies
	11n(40MHz)	3/ 6/ 9	0/1	Complies
Power Density	11b/g	1/ 6/ 11	0/1	Complies
	11n(20MHz)	1/ 6/ 11	0+1	Complies
	11n(40MHz)	3/ 6/ 9	0+1	Complies

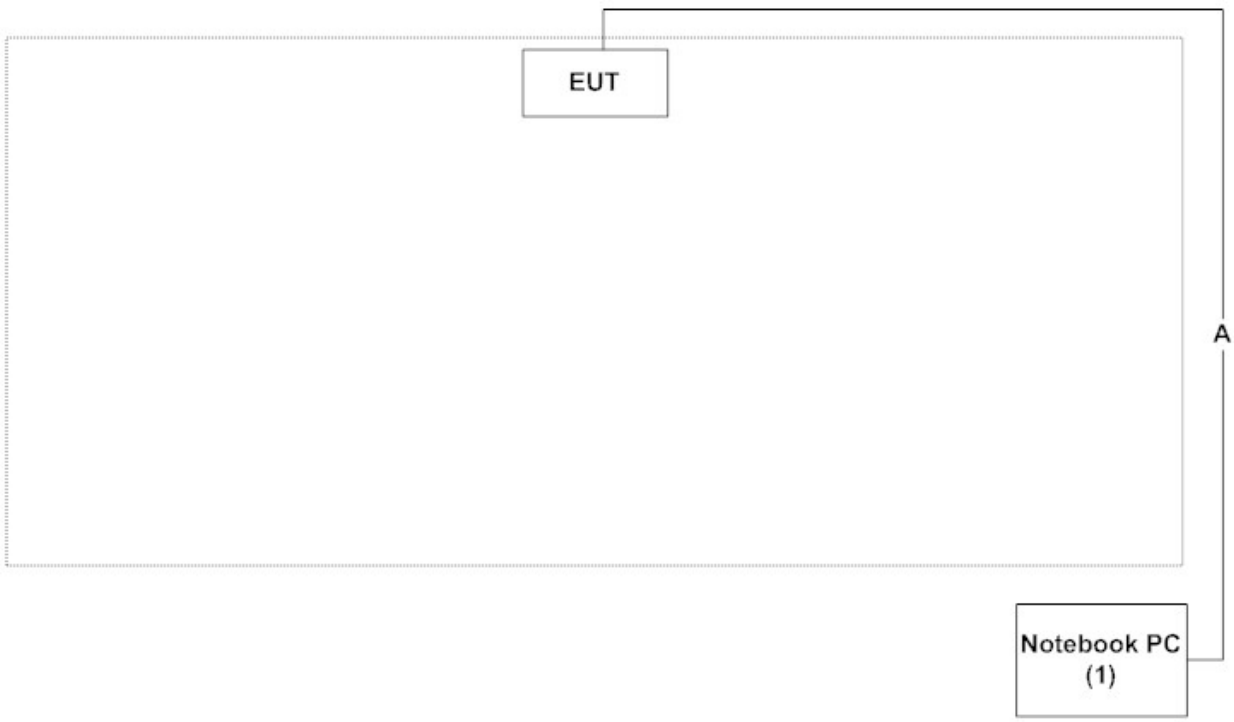
1.3. Tested System Details

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

Connection Diagram



Signal Cable Type		Signal cable Description
A	LAN Cable	Non-Shielded, 3m

1.5. EUT Exercise Software

1	Setup the EUT as shown in Section 1.4.
2	Execute the test program “QCA Radio Control Toolkit”.
3	Configure the test mode, the test channel, and the data rate.
4	Press “Start TX” to start the continuous transmitting.
5	Verify that the EUT works properly.

1.6. Test Facility

Ambient conditions in the laboratory:

Items	Test Item	Required (IEC 68-1)	Actual
Temperature (°C)	FCC PART 15 C 15.207 Conducted Emission	15 - 35	20°C
Humidity (%RH)		25 - 75	50%RH
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Peak Power Output	15 - 35	25°C
Humidity (%RH)		25 - 75	45%RH
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Radiated Emission	15 - 35	25°C
Humidity (%RH)		25 - 75	65%RH
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 RF antenna conducted test	15 - 35	25°C
Humidity (%RH)		25 - 75	45%RH
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Band Edge	15 - 35	25°C
Humidity (%RH)		25 - 75	48%RH
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 DTS Bandwidth	15 - 35	25°C
Humidity (%RH)		25 - 75	45%RH
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Occupied Bandwidth	15 - 35	25°C
Humidity (%RH)		25 - 75	45%RH
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Power Density	15 - 35	25°C
Humidity (%RH)		25 - 75	45%RH
Barometric pressure (mbar)		860 - 1060	950-1000

2. Conducted Emission

2.1. Test Equipment

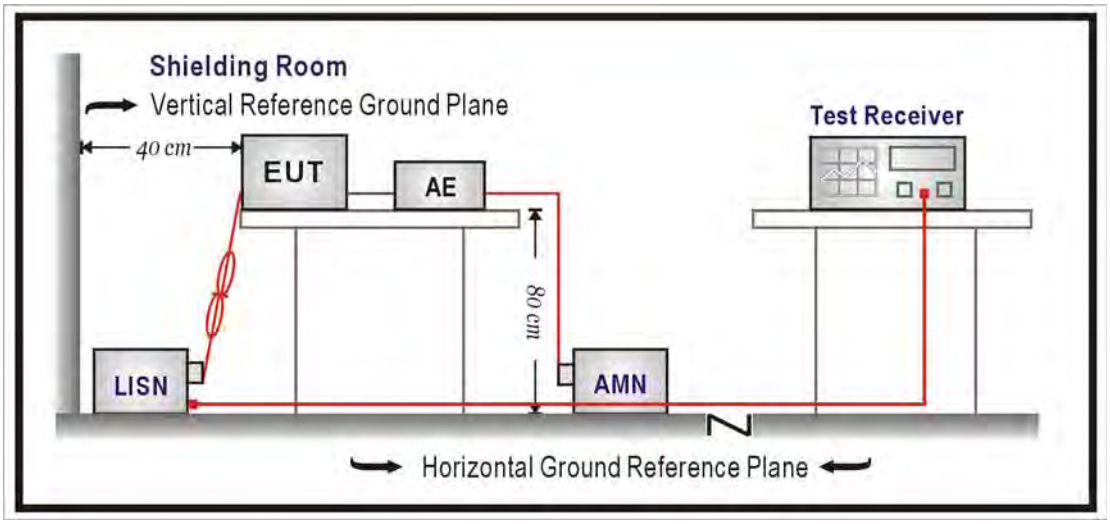
The following test equipments are used during the test:

Conducted Emission / SR2-H

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Artificial Mains Network	R&S	ENV4200	848411/010	2017/01/20
LISN	R&S	ENV216	100092	2017/08/16
Test Receiver	R&S	ESCS 30	836858/022	2018/01/14

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

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

2.4. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to DTS test procedure of KDB558074 for compliance to FCC 47CFR 15.247 requirements.
The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs.)
Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

2.5. Test Specification

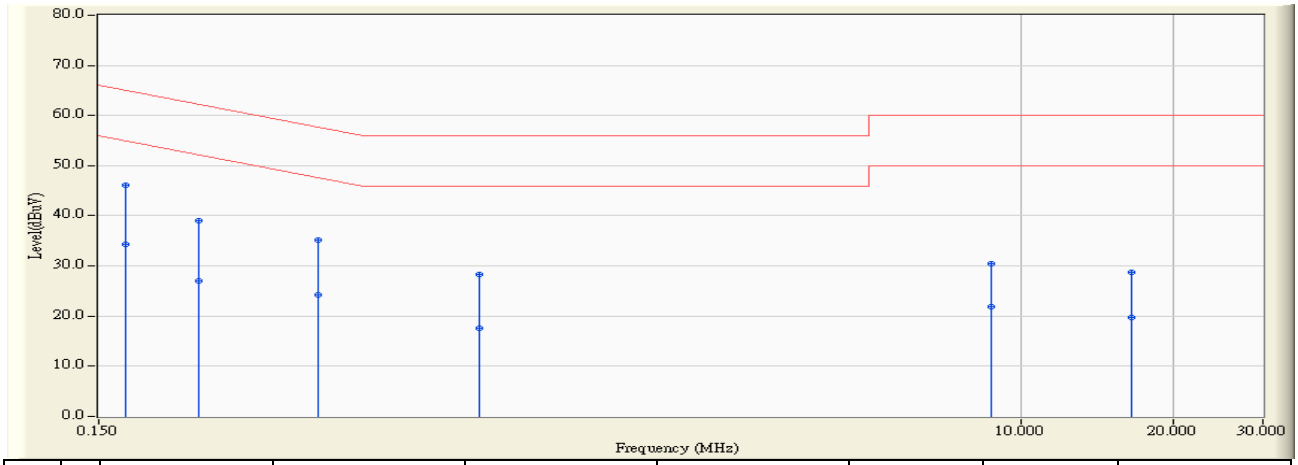
According to FCC Part 15 Subpart C Paragraph 15.207: 2015

2.6. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

2.7. Test Result

Site : SR2-H	**Time : 2017/01/18**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2-H_LISN(16A)-6_0712 - Line1	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2437MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

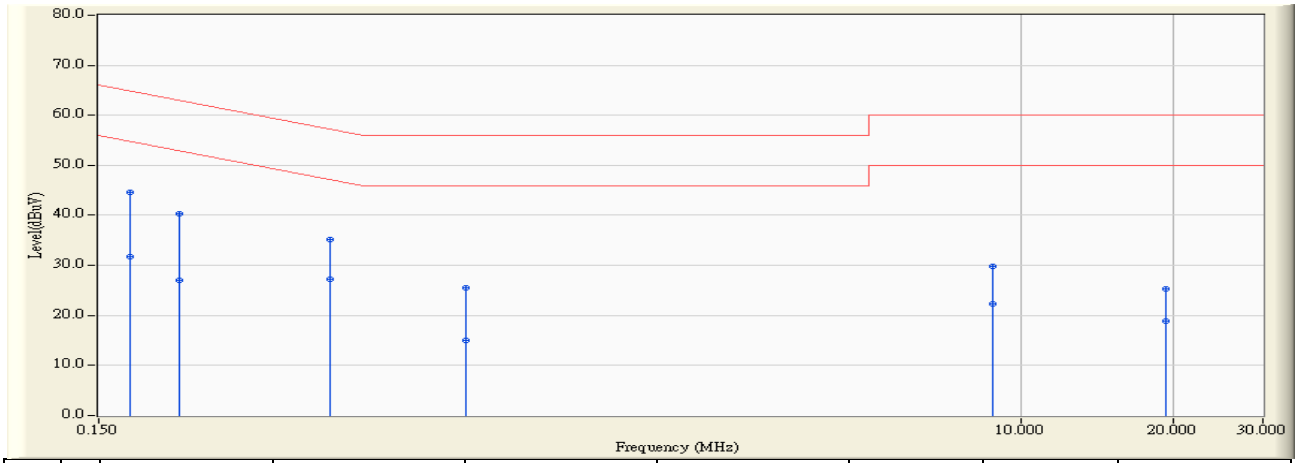


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.170	9.753	36.280	46.033	-18.950	64.983	QUASIPEAK
2		0.170	9.753	24.540	34.293	-20.690	54.983	AVERAGE
3		0.236	9.746	29.220	38.966	-23.272	62.238	QUASIPEAK
4		0.236	9.746	17.300	27.046	-25.192	52.238	AVERAGE
5		0.408	9.730	25.360	35.090	-22.603	57.693	QUASIPEAK
6		0.408	9.730	14.590	24.320	-23.373	47.693	AVERAGE
7		0.849	9.793	18.540	28.332	-27.668	56.000	QUASIPEAK
8		0.849	9.793	7.880	17.672	-28.328	46.000	AVERAGE
9		8.697	10.076	20.360	30.436	-29.564	60.000	QUASIPEAK
10		8.697	10.076	11.700	21.776	-28.224	50.000	AVERAGE
11		16.545	10.257	18.480	28.737	-31.263	60.000	QUASIPEAK
12		16.545	10.257	9.390	19.647	-30.353	50.000	AVERAGE

Note:

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

Site : SR2-H	**Time : 2017/01/18**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2-H_LISN(16A)-6_0712 - Line2	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2437MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

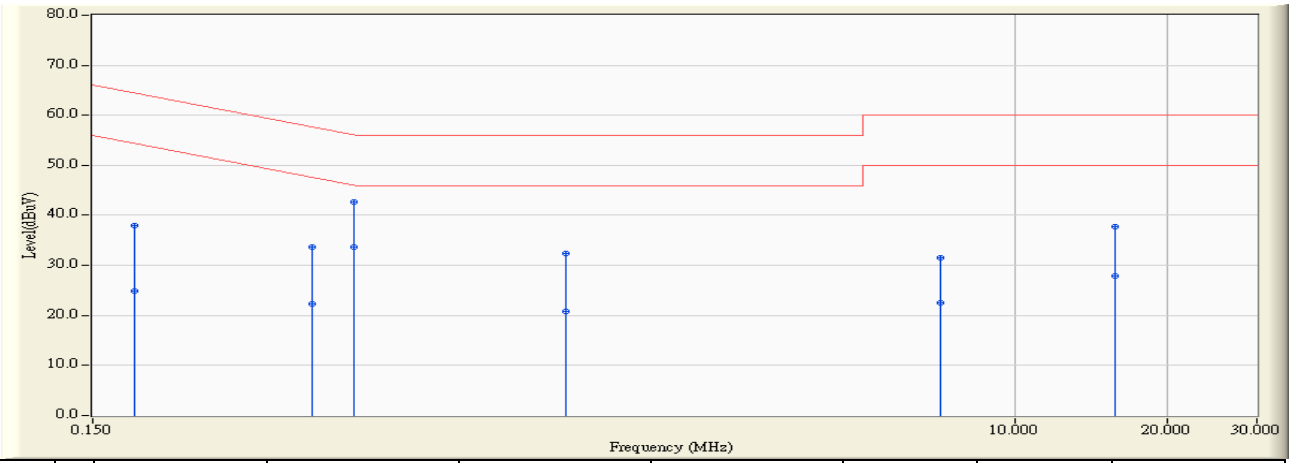


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.173	9.753	34.840	44.593	-20.201	64.794	QUASIPEAK
2		0.173	9.753	21.950	31.703	-23.091	54.794	AVERAGE
3		0.216	9.750	30.660	40.410	-22.546	62.956	QUASIPEAK
4		0.216	9.750	17.350	27.100	-25.856	52.956	AVERAGE
5		0.431	9.748	25.360	35.108	-22.120	57.229	QUASIPEAK
6	*	0.431	9.748	17.540	27.288	-19.940	47.229	AVERAGE
7		0.798	9.790	15.780	25.570	-30.430	56.000	QUASIPEAK
8		0.798	9.790	5.260	15.050	-30.950	46.000	AVERAGE
9		8.759	10.077	19.780	29.858	-30.142	60.000	QUASIPEAK
10		8.759	10.077	12.330	22.408	-27.592	50.000	AVERAGE
11		19.271	10.472	14.900	25.372	-34.628	60.000	QUASIPEAK
12		19.271	10.472	8.430	18.902	-31.098	50.000	AVERAGE

Note:

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

Site : SR2-H	**Time : 2017/01/18**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2-H_LISN(16A)-6_0712 - Line1	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2437MHz** **Mode 2: Tx-W12-010N3A-CDD Mode**

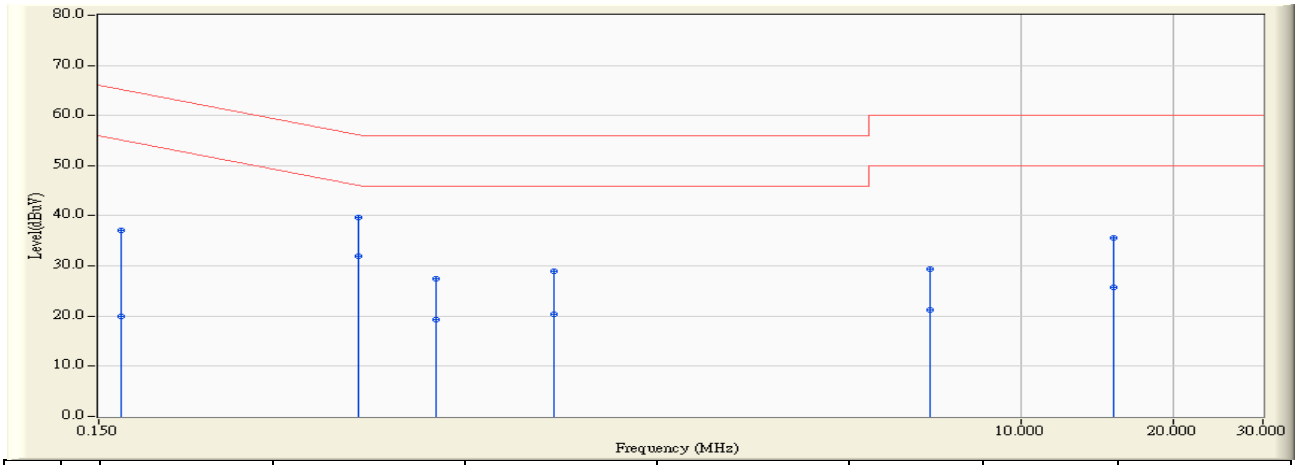


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.181	9.752	28.160	37.912	-26.516	64.428	QUASIPEAK
2		0.181	9.752	15.160	24.912	-29.516	54.428	AVERAGE
3		0.408	9.730	24.000	33.730	-23.963	57.693	QUASIPEAK
4		0.408	9.730	12.580	22.310	-25.383	47.693	AVERAGE
5		0.494	9.728	32.900	42.629	-13.476	56.104	QUASIPEAK
6	*	0.494	9.728	23.970	33.699	-12.406	46.104	AVERAGE
7		1.295	9.832	22.500	32.332	-23.668	56.000	QUASIPEAK
8		1.295	9.832	10.980	20.812	-25.188	46.000	AVERAGE
9		7.088	10.008	21.500	31.509	-28.491	60.000	QUASIPEAK
10		7.088	10.008	12.410	22.419	-27.581	50.000	AVERAGE
11		15.752	10.238	27.460	37.698	-22.302	60.000	QUASIPEAK
12		15.752	10.238	17.630	27.868	-22.132	50.000	AVERAGE

Note:

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

Site : SR2-H	**Time : 2017/01/18**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2-H_LISN(16A)-6_0712 - Line2	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2437MHz** **Mode 2: Tx-W12-010N3A-CDD Mode**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.166	9.753	27.360	37.113	-28.064	65.177	QUASIPEAK
2		0.166	9.753	10.190	19.943	-35.234	55.177	AVERAGE
3		0.490	9.745	29.900	39.646	-16.525	56.170	QUASIPEAK
4	*	0.490	9.745	22.290	32.036	-14.135	46.170	AVERAGE
5		0.697	9.774	17.700	27.474	-28.526	56.000	QUASIPEAK
6		0.697	9.774	9.570	19.344	-26.656	46.000	AVERAGE
7		1.189	9.826	19.100	28.926	-27.074	56.000	QUASIPEAK
8		1.189	9.826	10.520	20.346	-25.654	46.000	AVERAGE
9		6.580	9.950	19.360	29.311	-30.689	60.000	QUASIPEAK
10		6.580	9.950	11.230	21.181	-28.819	50.000	AVERAGE
11		15.224	10.318	25.380	35.699	-24.301	60.000	QUASIPEAK
12		15.224	10.318	15.470	25.789	-24.211	50.000	AVERAGE

Note:

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

3. Peak Power Output

3.1. Test Equipment

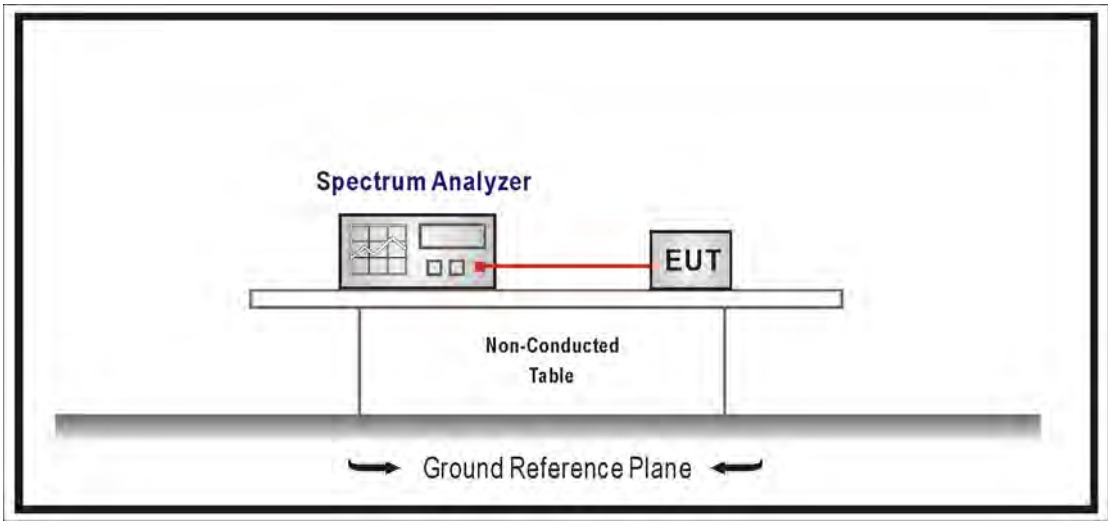
The following test equipments are used during the test:

Peak Power Output / SR10-H

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Signal & Spectrum Analyzer	R&S	FSV40	101049	2018/01/22

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

3.2. Test Setup



3.3. Test procedures

The EUT was tested according to DTS test procedure section 9.1.2 of KDB558074 v03r05 measurement to FCC 47CFR 15.247 requirements.

3.4. Limits

The maximum peak power shall be less 1 Watt.

3.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2015

3.6. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB.

3.7. Test Result

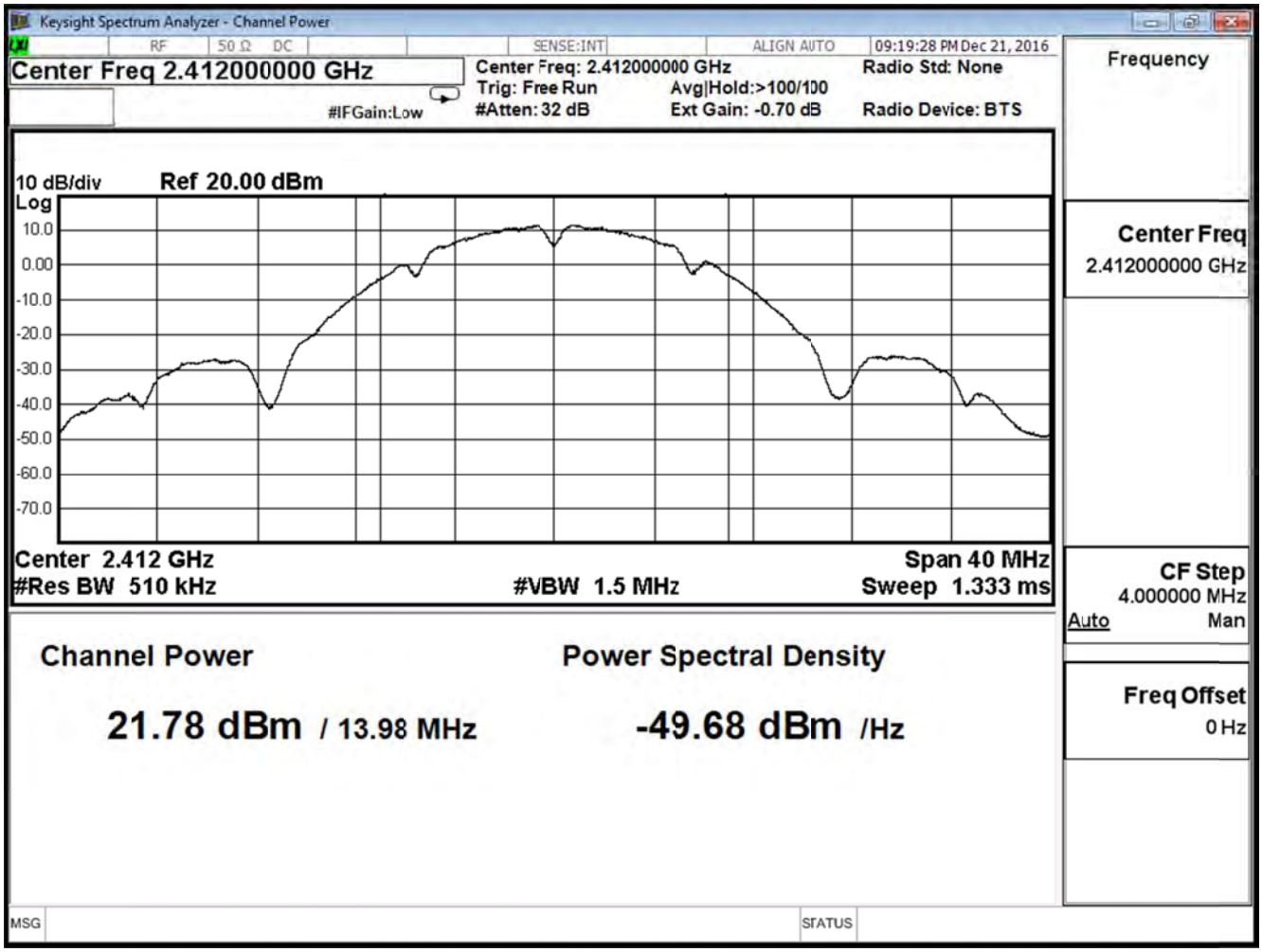
Product	Lyra mini		
Test Item	Peak Power Output		
Test Mode	Mode 1: Tx-AD2037320910LF-CDD Mode		
Date of Test	2016/12/21	Test Site	SR10-H

IEEE 802.11b (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	21.78	≦30
6	2437	21.72	≦30
11	2462	19.84	≦30

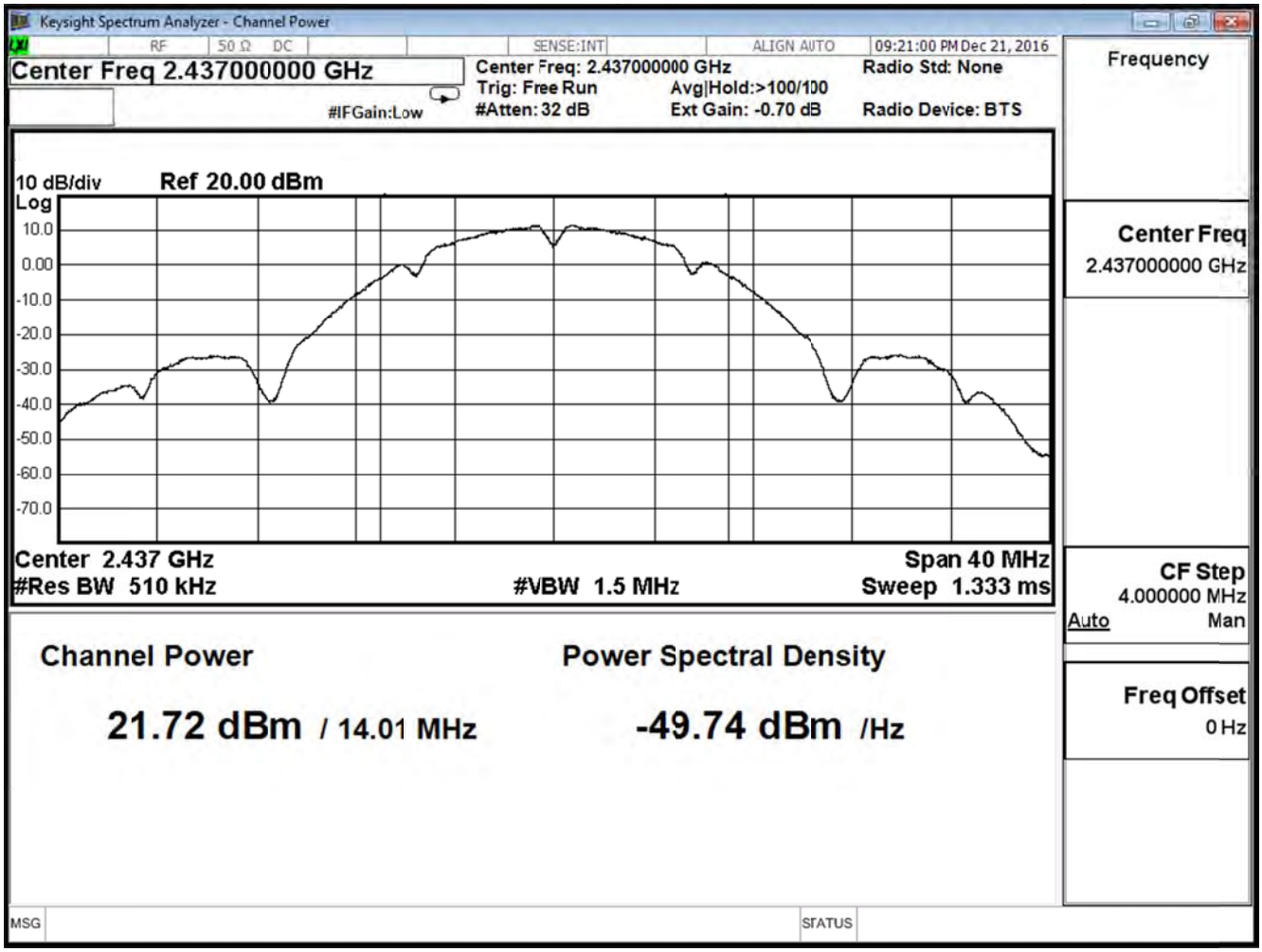
The worst emission of data rate is 1Mbps

Peak Power Output (dBm)						
Channel No	Frequency (MHz)	Data Rate (Mbps)				Required Limit
		1	2	5.5	11	
1	2412	21.78	--	--	--	≦30
6	2437	21.72	21.66	21.54	21.42	≦30
11	2462	19.84	--	--	--	≦30

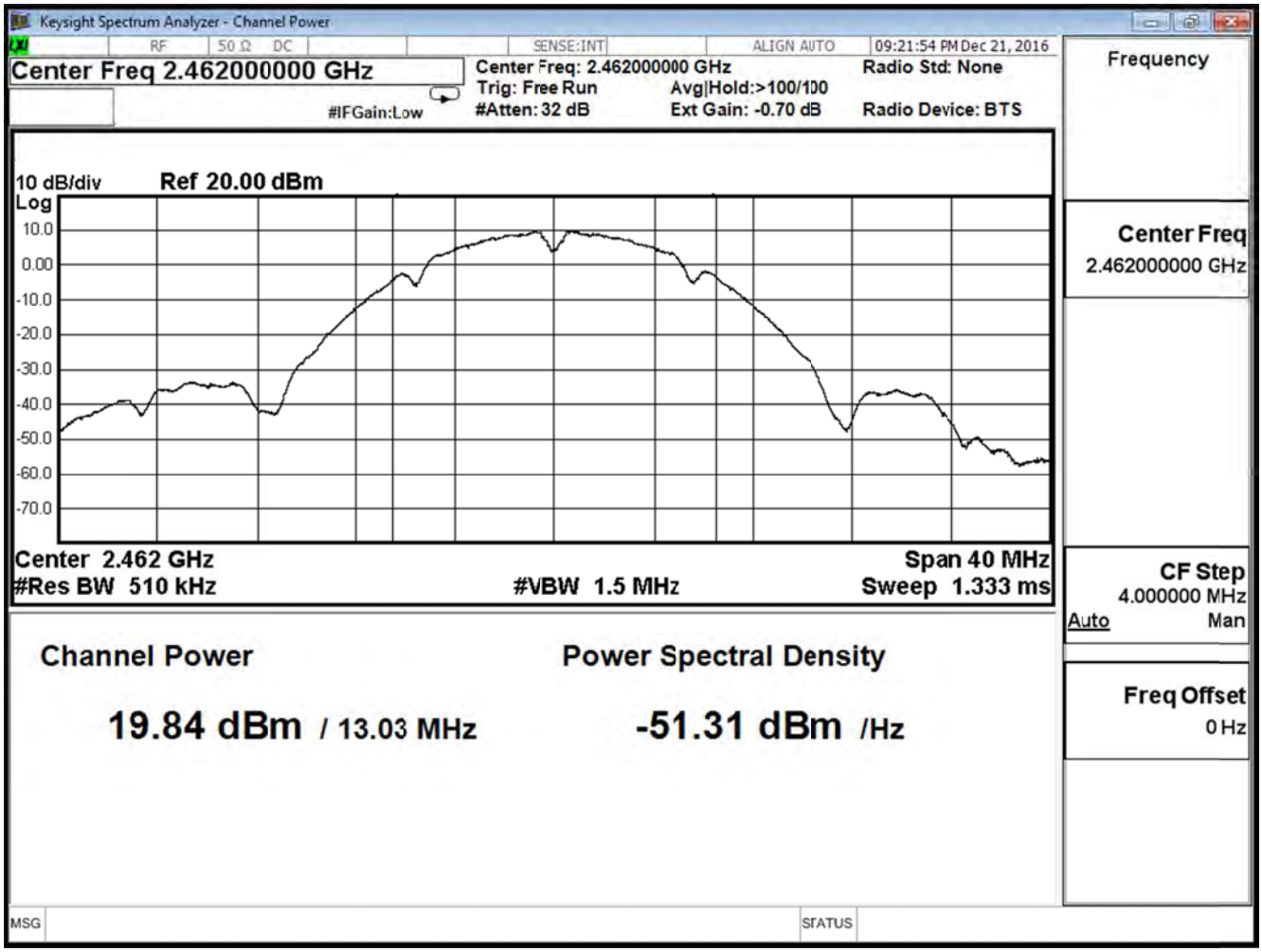
Channel 1


Keysight Spectrum Analyzer - Channel Power
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
09:19:28 PM Dec 21, 2016
Center Freq 2.412000000 GHz
Center Freq: 2.412000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 32 dB
Ext Gain: -0.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 20.00 dBm
Log
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center Freq
2.412000000 GHz
Center 2.412 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Channel Power
21.78 dBm / 13.98 MHz
Power Spectral Density
-49.68 dBm /Hz
Freq Offset
0 Hz
MSG
STATUS

Channel 6


Keysight Spectrum Analyzer - Channel Power
RF 50 Ω DC
SENSE:INT
ALIGN AUTO
09:21:00 PM Dec 21, 2016
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 32 dB
Ext Gain: -0.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 20.00 dBm
Log
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Channel Power
21.72 dBm / 14.01 MHz
Power Spectral Density
-49.74 dBm /Hz
Freq Offset
0 Hz
MSG
STATUS

Channel 11


Keysight Spectrum Analyzer - Channel Power
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
09:21:54 PM Dec 21, 2016
Center Freq 2.462000000 GHz
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 32 dB
Ext Gain: -0.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 20.00 dBm
Log
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Channel Power
19.84 dBm / 13.03 MHz
Power Spectral Density
-51.31 dBm /Hz
Freq Offset
0 Hz
MSG
STATUS

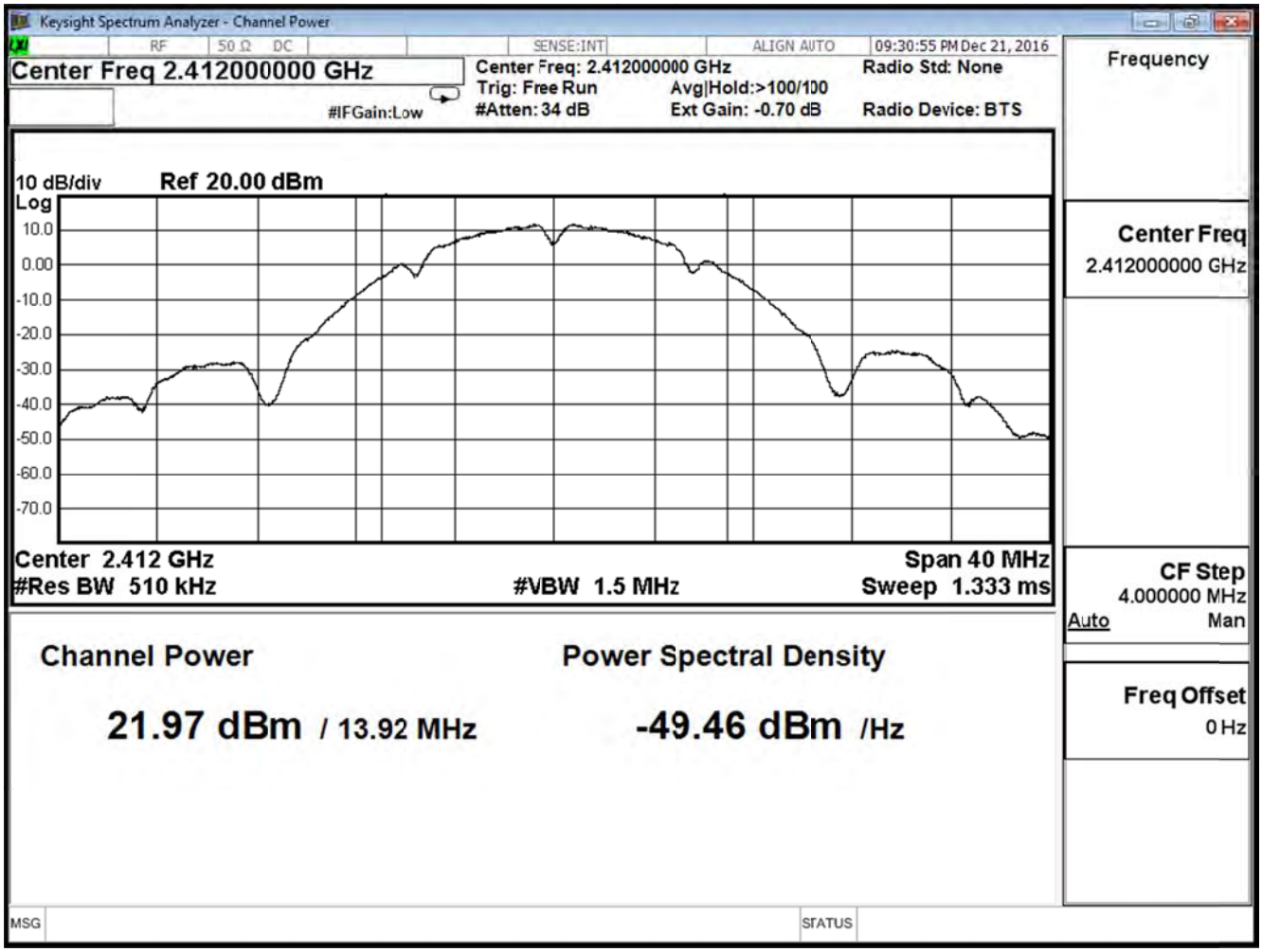
Product	Lyra mini		
Test Item	Peak Power Output		
Test Mode	Mode 1: Tx-AD2037320910LF-CDD Mode		
Date of Test	2016/12/21	Test Site	SR10-H

IEEE 802.11b (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	21.97	≦30
6	2437	21.82	≦30
11	2462	19.93	≦30

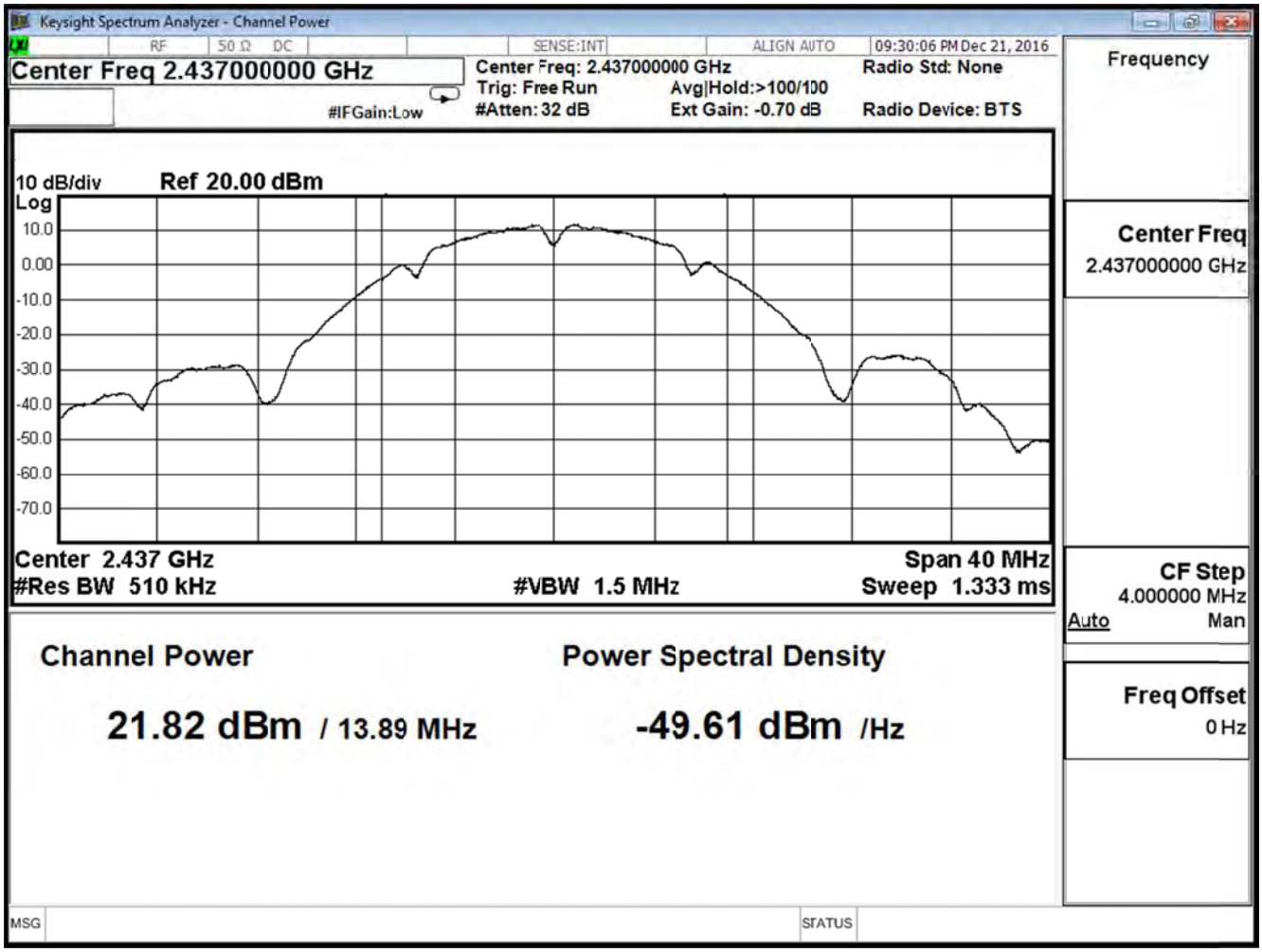
The worst emission of data rate is 1Mbps

Peak Power Output (dBm)						
Channel No	Frequency (MHz)	Data Rate (Mbps)				Required Limit
		1	2	5.5	11	
1	2412	21.97	--	--	--	≦30
6	2437	21.82	21.76	21.70	21.64	≦30
11	2462	19.93	--	--	--	≦30

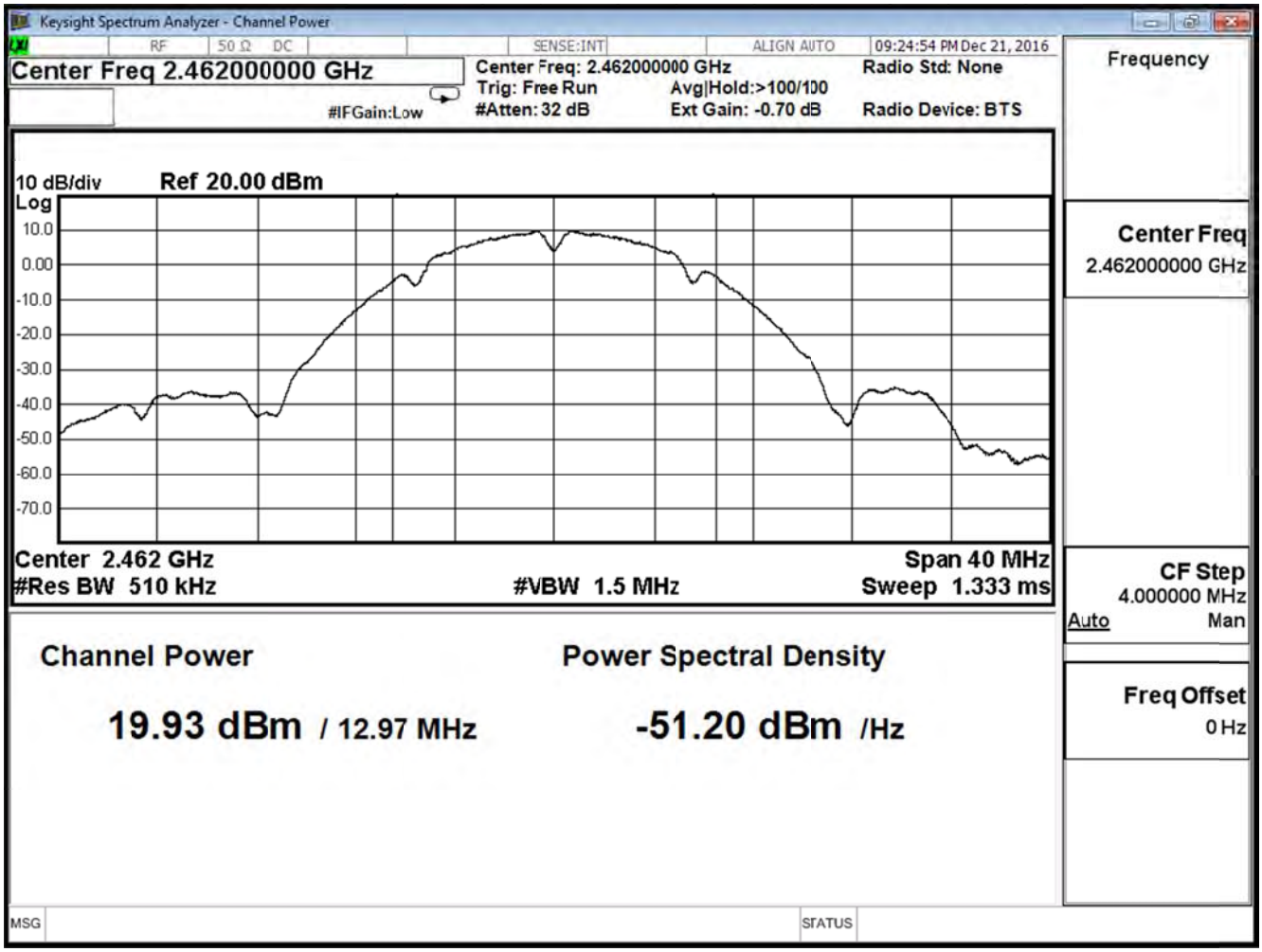
Channel 1


Keysight Spectrum Analyzer - Channel Power
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
09:30:55 PM Dec 21, 2016
Center Freq 2.412000000 GHz
Center Freq: 2.412000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 34 dB
Ext Gain: -0.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 20.00 dBm
Log
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center Freq
2.412000000 GHz
Center 2.412 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Channel Power
21.97 dBm / 13.92 MHz
Power Spectral Density
-49.46 dBm /Hz
Freq Offset
0 Hz
MSG
STATUS

Channel 6


Keysight Spectrum Analyzer - Channel Power
RF 50 Ω DC
SENSE:INT
ALIGN AUTO
09:30:06 PM Dec 21, 2016
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 32 dB
Ext Gain: -0.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
Center Freq
2.437000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
Channel Power
21.82 dBm / 13.89 MHz
Power Spectral Density
-49.61 dBm /Hz
MSG
STATUS

Channel 11


Keysight Spectrum Analyzer - Channel Power
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
09:24:54 PM Dec 21, 2016
Center Freq 2.462000000 GHz
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 32 dB
Ext Gain: -0.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 20.00 dBm
Log
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Channel Power
19.93 dBm / 12.97 MHz
Power Spectral Density
-51.20 dBm /Hz
Freq Offset
0 Hz
MSG
STATUS

Product	Lyra mini		
Test Item	Peak Power Output		
Test Mode	Mode 1: Tx-AD2037320910LF-CDD Mode		
Date of Test	2016/12/22	Test Site	SR10-H

IEEE 802.11b (ANT 0+1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	24.89	≦30
6	2437	24.78	≦30
11	2462	22.90	≦30

The worst emission of data rate is 1Mbps

Peak Power Output (dBm)						
Channel No	Frequency (MHz)	Data Rate (Mbps)				Required Limit
		1	2	5.5	11	
1	2412	24.89	--	--	--	≦30
6	2437	24.78	24.72	24.63	24.54	≦30
11	2462	22.90	--	--	--	≦30

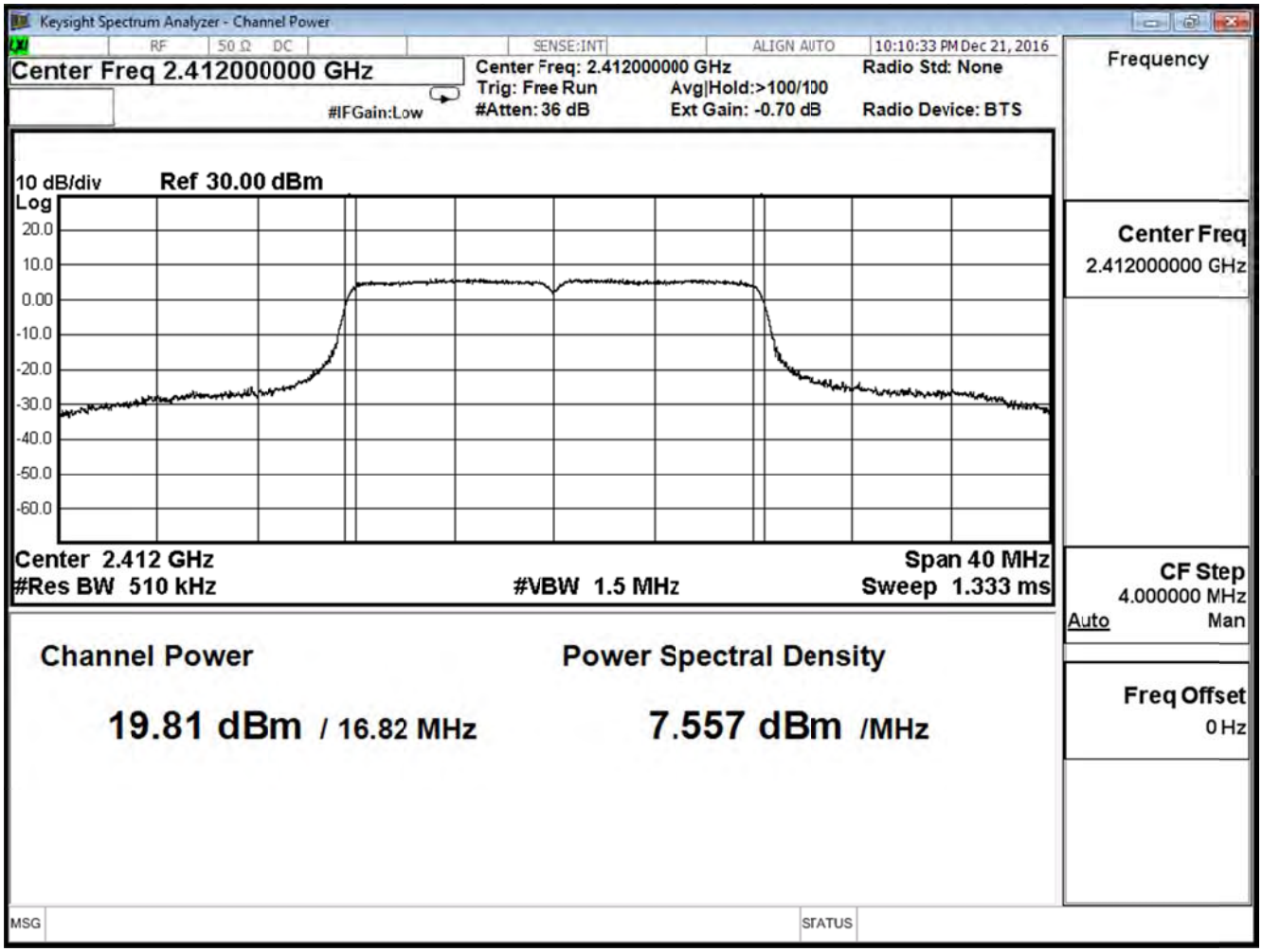
Product	Lyra mini		
Test Item	Peak Power Output		
Test Mode	Mode 1: Tx-AD2037320910LF-CDD Mode		
Date of Test	2016/12/21	Test Site	SR10-H

IEEE 802.11g (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	19.81	≦30
6	2437	21.71	≦30
11	2462	17.70	≦30

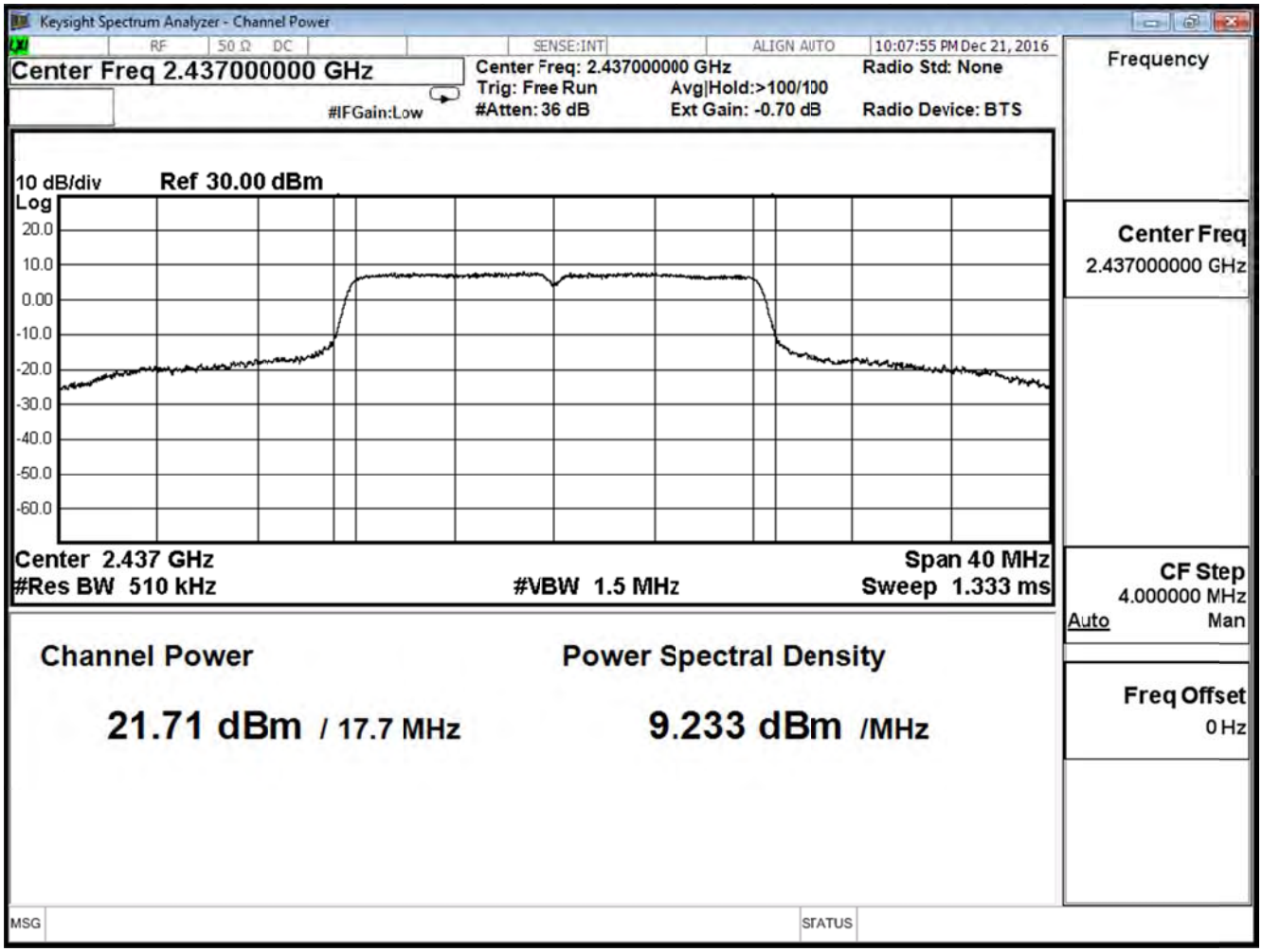
The worst emission of data rate is 6Mbps

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate (Mbps)							Required Limit
		6	12	18	24	36	48	54	
1	2412	19.81	--	--	--	--	--	--	≦30
6	2437	21.71	21.65	21.59	21.53	21.47	21.35	21.29	≦30
11	2462	17.70	--	--	--	--	--	--	≦30

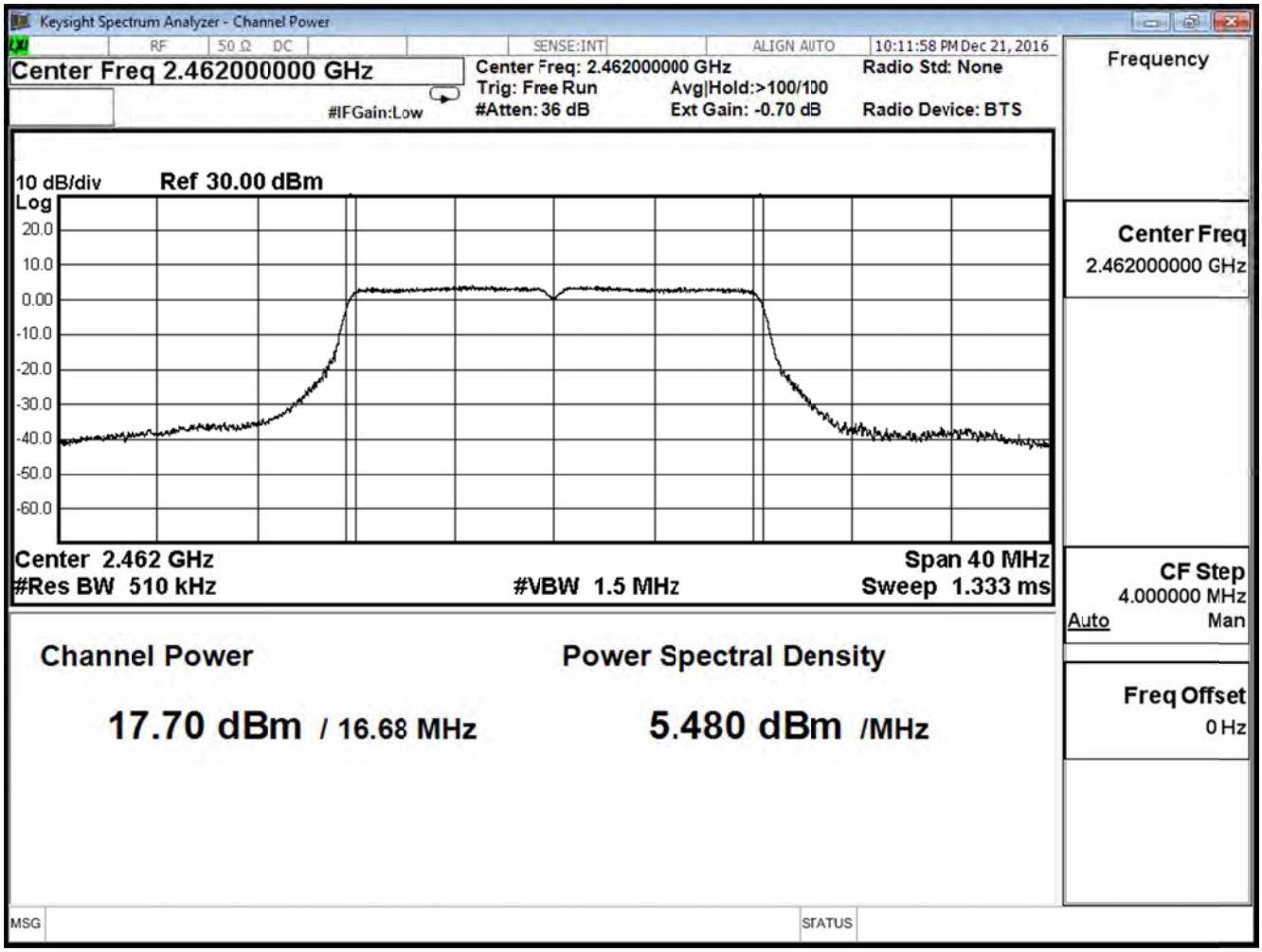
Channel 1


Keysight Spectrum Analyzer - Channel Power
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
10:10:33 PM Dec 21, 2016
Center Freq 2.412000000 GHz
Center Freq: 2.412000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 36 dB
Ext Gain: -0.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.412000000 GHz
Center 2.412 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Channel Power
19.81 dBm / 16.82 MHz
Power Spectral Density
7.557 dBm /MHz
Freq Offset
0 Hz
MSG
STATUS

Channel 6


Keysight Spectrum Analyzer - Channel Power
RF 50 Ω DC
SENSE:INT
ALIGN AUTO
10:07:55 PM Dec 21, 2016
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 36 dB
Ext Gain: -0.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Channel Power
21.71 dBm / 17.7 MHz
Power Spectral Density
9.233 dBm /MHz
Freq Offset
0 Hz
MSG
STATUS

Channel 11


Keysight Spectrum Analyzer - Channel Power
RF 50 Ω DC
SENSE:INT
ALIGN AUTO
10:11:58 PM Dec 21, 2016
Center Freq 2.462000000 GHz
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 36 dB
Ext Gain: -0.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Channel Power
17.70 dBm / 16.68 MHz
Power Spectral Density
5.480 dBm /MHz
Freq Offset
0 Hz
MSG
STATUS

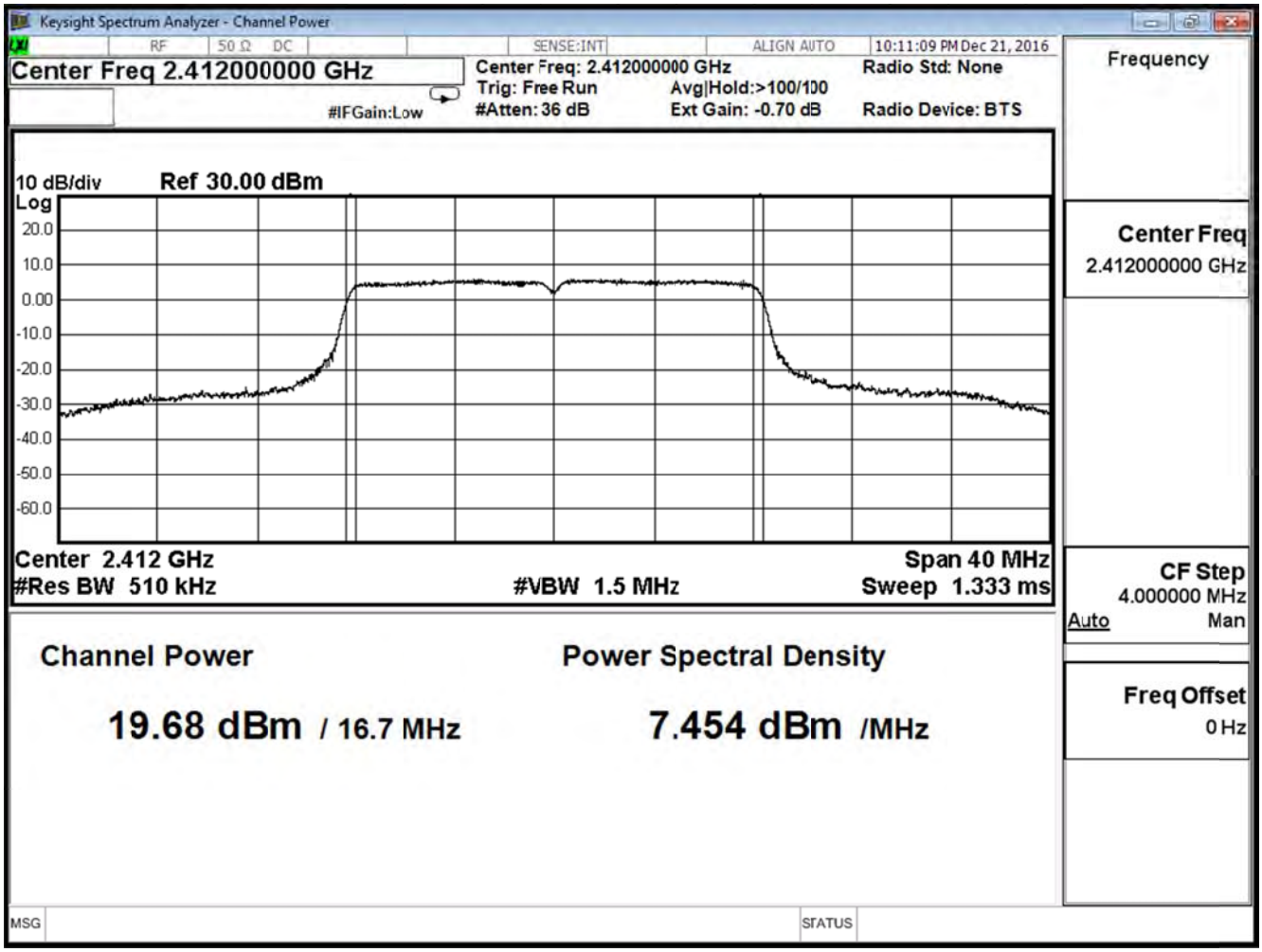
Product	Lyra mini		
Test Item	Peak Power Output		
Test Mode	Mode 1: Tx-AD2037320910LF-CDD Mode		
Date of Test	2016/12/21	Test Site	SR10-H

IEEE 802.11g (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	19.68	≦30
6	2437	21.65	≦30
11	2462	17.55	≦30

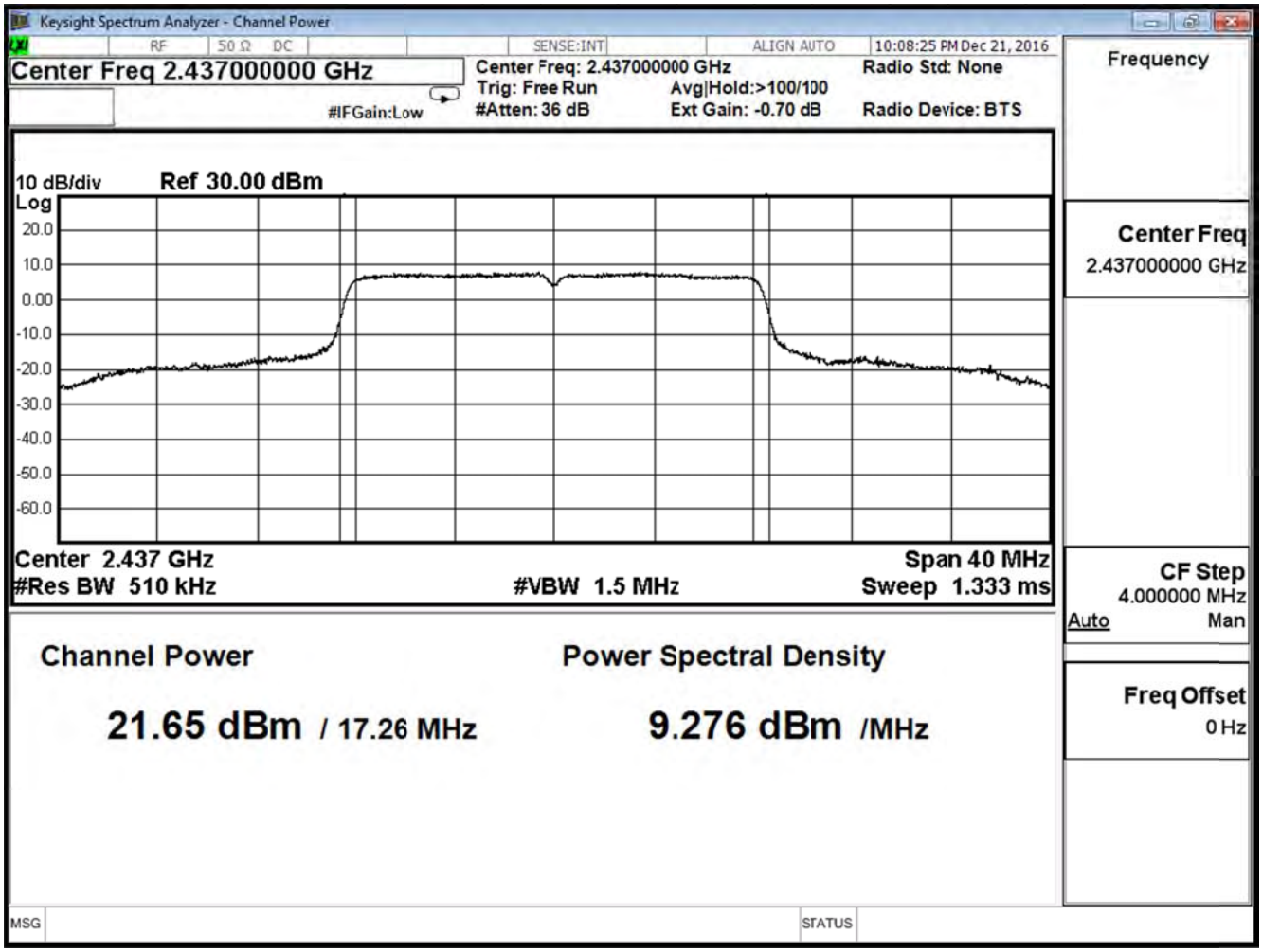
The worst emission of data rate is 6Mbps

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate (Mbps)							Required Limit
		6	12	18	24	36	48	54	
1	2412	19.68	--	--	--	--	--	--	≦30
6	2437	21.65	21.59	21.47	21.35	21.23	21.11	20.99	≦30
11	2462	17.55	--	--	--	--	--	--	≦30

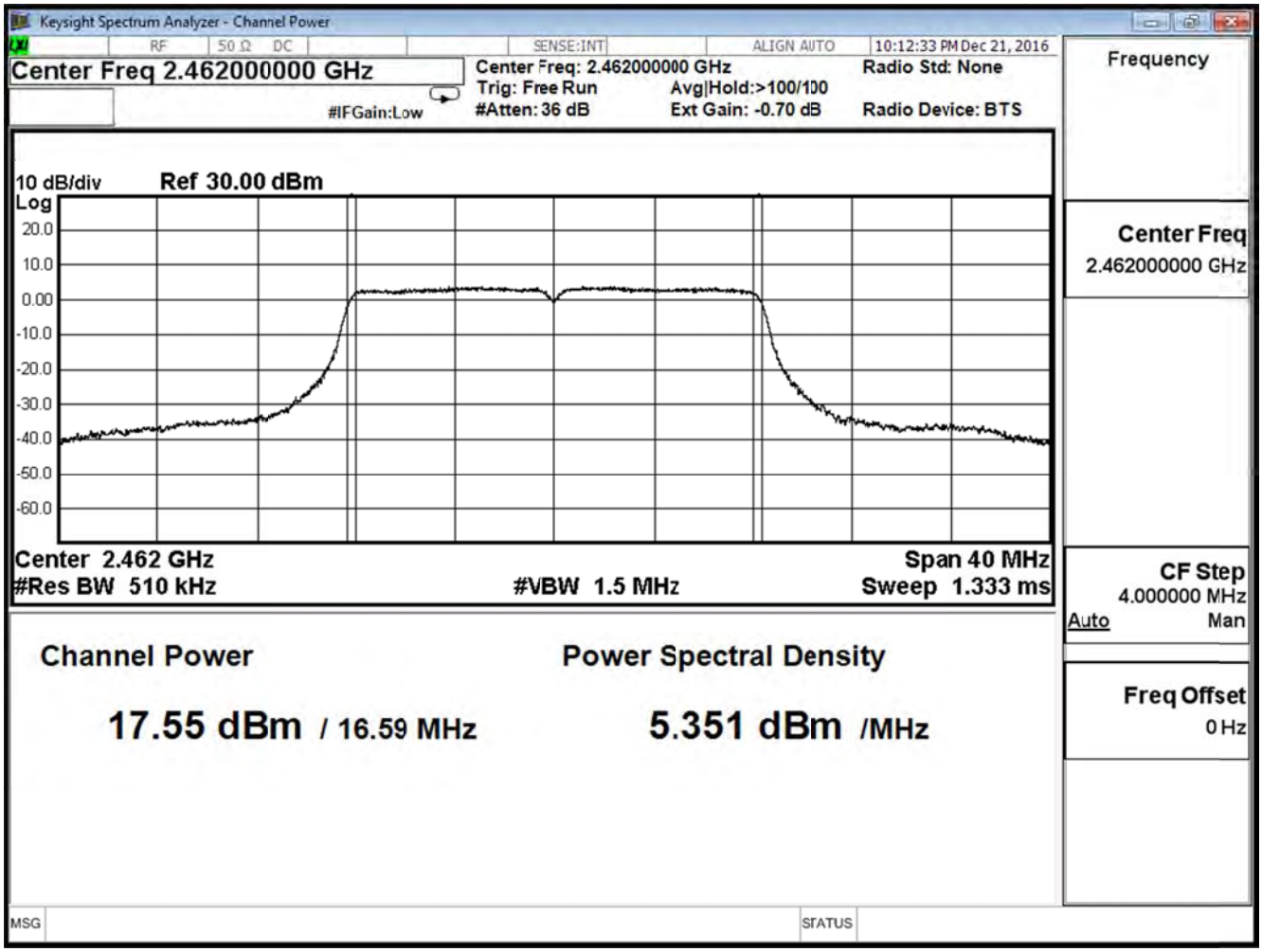
Channel 1


Keysight Spectrum Analyzer - Channel Power
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
10:11:09 PM Dec 21, 2016
Center Freq 2.412000000 GHz
Center Freq: 2.412000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 36 dB
Ext Gain: -0.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.412000000 GHz
Center 2.412 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Channel Power
19.68 dBm / 16.7 MHz
Power Spectral Density
7.454 dBm /MHz
Freq Offset
0 Hz
MSG
STATUS

Channel 6


Keysight Spectrum Analyzer - Channel Power
RF 50 Ω DC
SENSE:INT
ALIGN AUTO
10:08:25 PM Dec 21, 2016
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 36 dB
Ext Gain: -0.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Channel Power
21.65 dBm / 17.26 MHz
Power Spectral Density
9.276 dBm /MHz
Freq Offset
0 Hz
MSG
STATUS

Channel 11


Keysight Spectrum Analyzer - Channel Power
RF 50 Ω DC
SENSE:INT
ALIGN AUTO
10:12:33 PM Dec 21, 2016
Center Freq 2.462000000 GHz
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 36 dB
Ext Gain: -0.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Channel Power
17.55 dBm / 16.59 MHz
Power Spectral Density
5.351 dBm /MHz
Freq Offset
0 Hz
MSG
STATUS

Product	Lyra mini		
Test Item	Peak Power Output		
Test Mode	Mode 1: Tx-AD2037320910LF-CDD Mode		
Date of Test	2016/12/21	Test Site	SR10-H

IEEE 802.11g (ANT 0+1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	22.76	≦30
6	2437	24.69	≦30
11	2462	20.64	≦30

The worst emission of data rate is 6Mbps

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate (Mbps)							Required Limit
		6	12	18	24	36	48	54	
1	2412	22.76	--	--	--	--	--	--	≦30
6	2437	24.69	24.63	24.54	24.45	24.36	24.24	24.15	≦30
11	2462	20.64	--	--	--	--	--	--	≦30

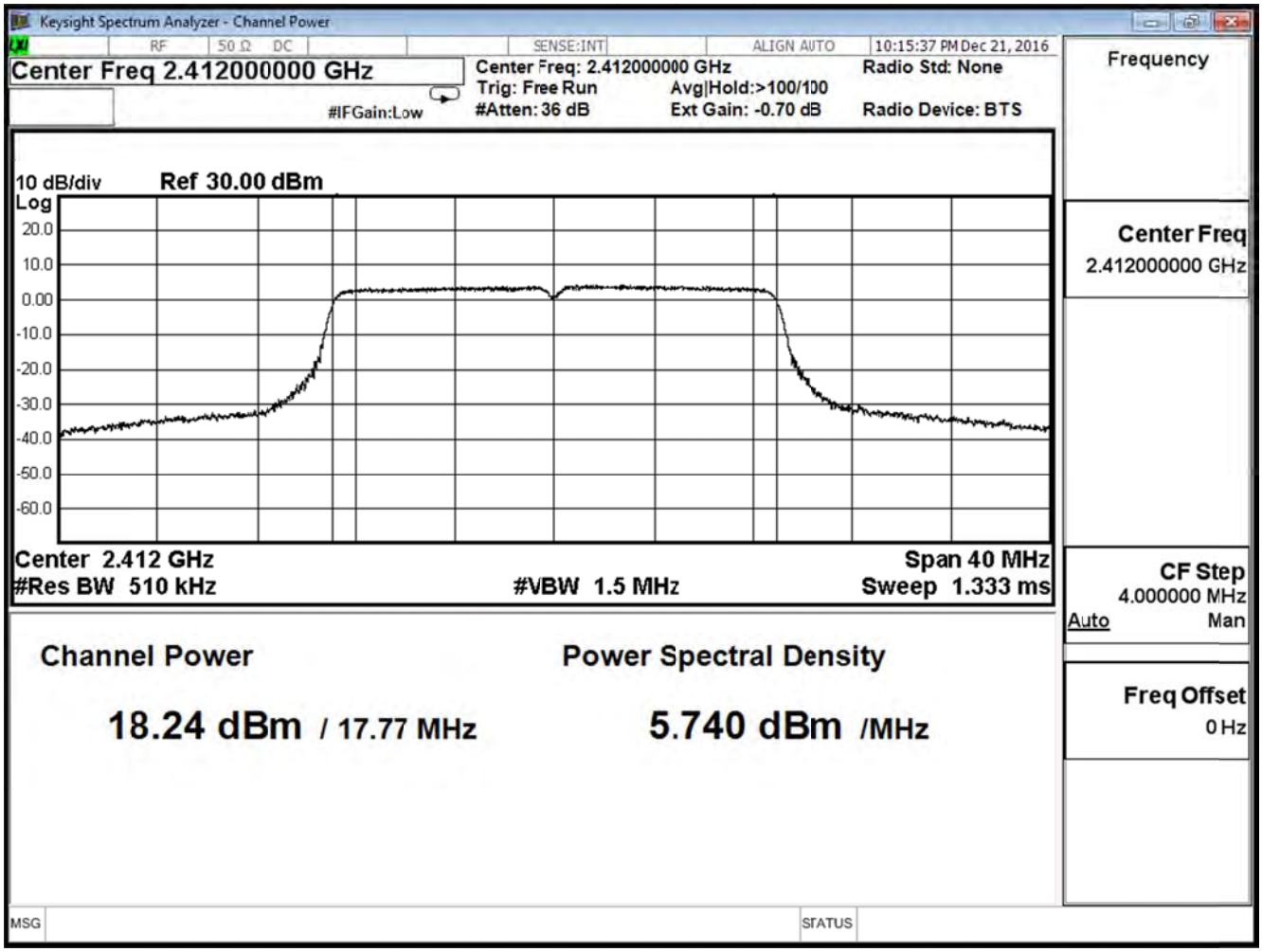
Product	Lyra mini		
Test Item	Peak Power Output		
Test Mode	Mode 1: Tx-AD2037320910LF-CDD Mode		
Date of Test	2016/12/21	Test Site	SR10-H

IEEE 802.11n20 (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	18.24	≦30
6	2437	21.83	≦30
11	2462	17.35	≦30

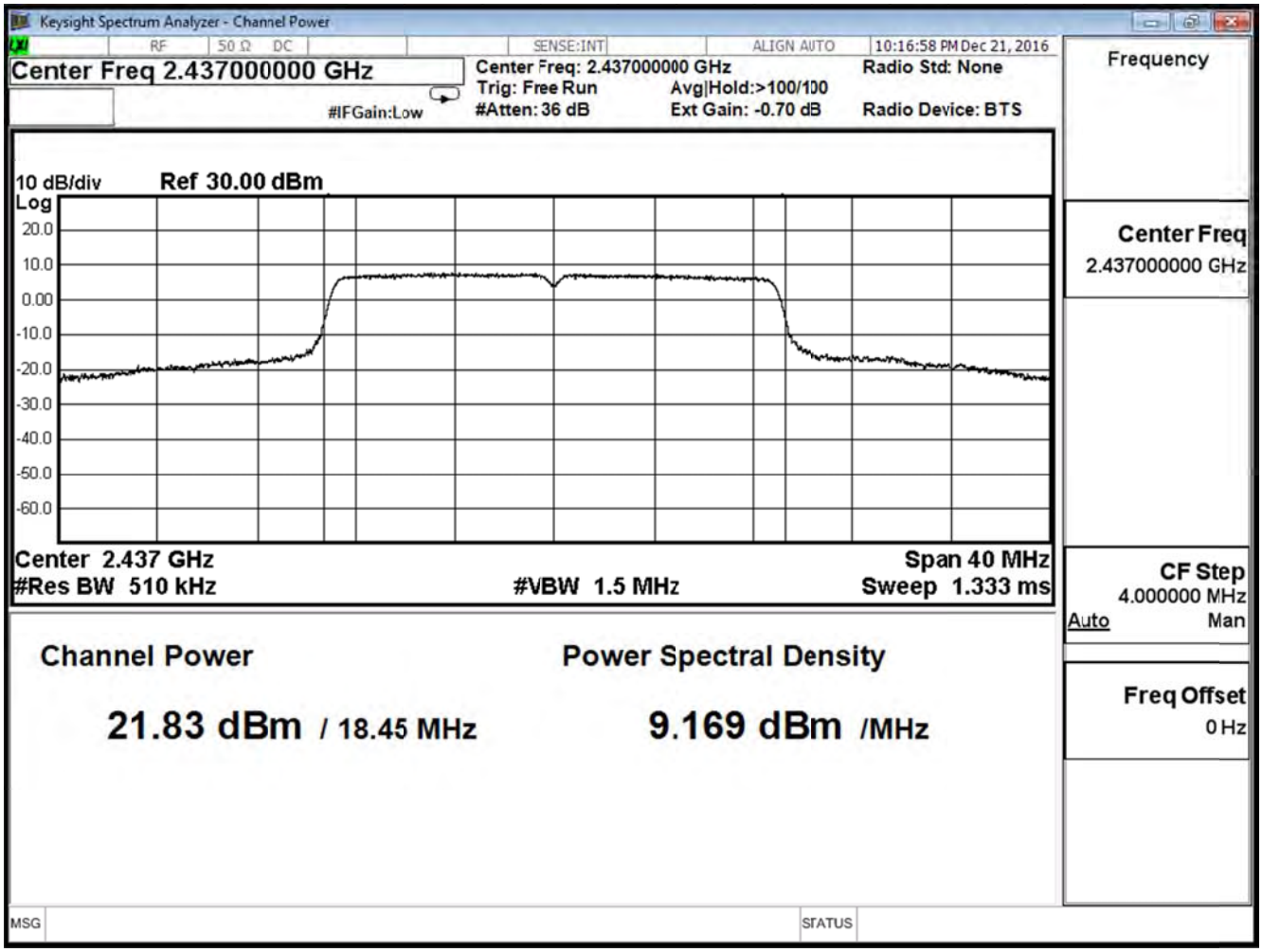
The worst emission of data rate is 6.5Mbps

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		6.5	13	19.5	26	39	52	58.5	65	
1	2412	18.24	--	--	--	--	--	--	--	≦30
6	2437	21.83	21.71	21.65	21.59	21.47	21.35	21.29	21.23	≦30
11	2462	17.35	--	--	--	--	--	--	--	≦30

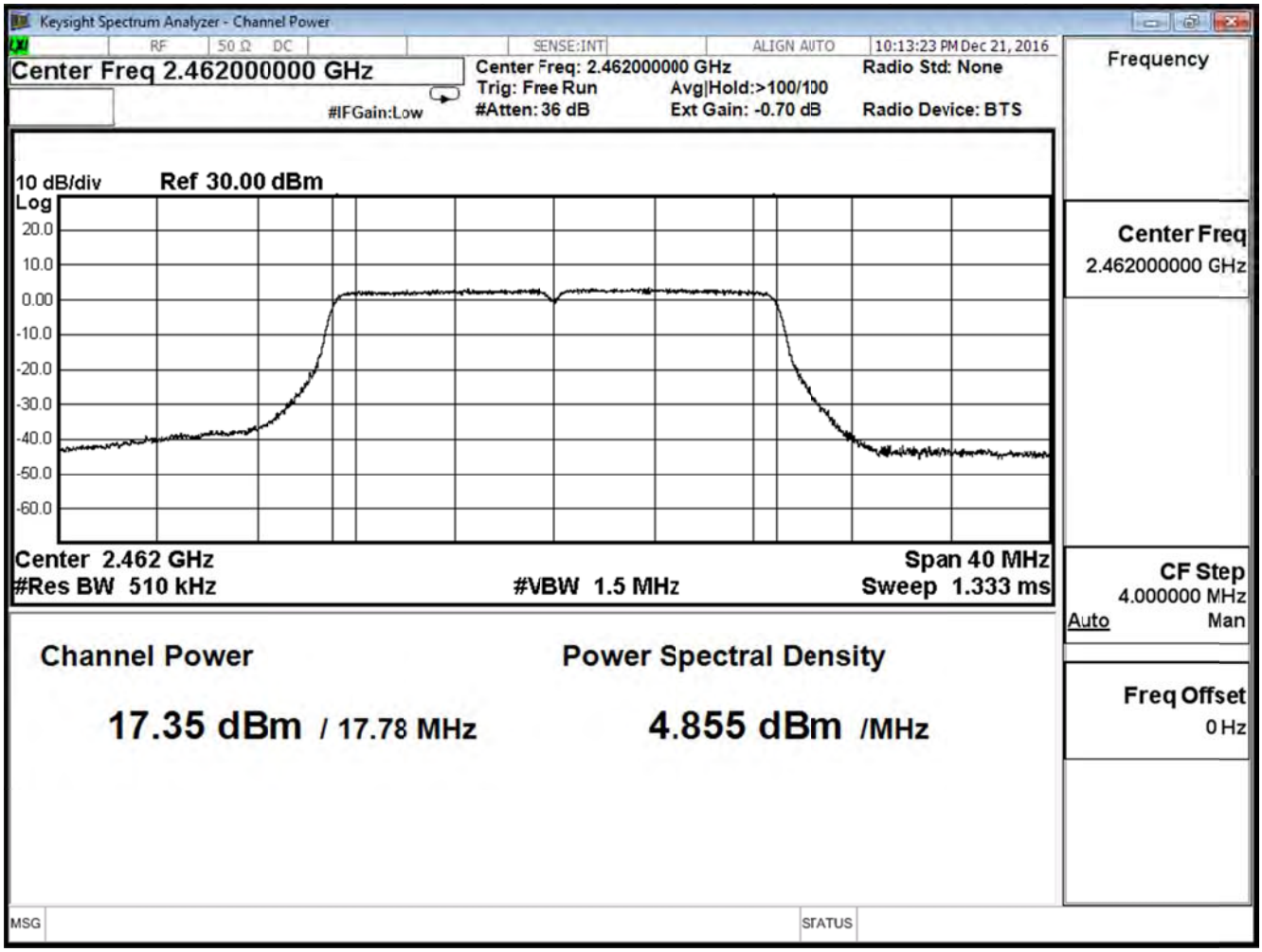
Channel 1


Keysight Spectrum Analyzer - Channel Power
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
10:15:37 PM Dec 21, 2016
Center Freq 2.412000000 GHz
Center Freq: 2.412000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 36 dB
Ext Gain: -0.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.412000000 GHz
Center 2.412 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Channel Power
18.24 dBm / 17.77 MHz
Power Spectral Density
5.740 dBm /MHz
Freq Offset
0 Hz
MSG
STATUS

Channel 6


Keysight Spectrum Analyzer - Channel Power
RF 50 Ω DC
SENSE:INT
ALIGN AUTO
10:16:58 PM Dec 21, 2016
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 36 dB
Ext Gain: -0.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Channel Power
21.83 dBm / 18.45 MHz
Power Spectral Density
9.169 dBm /MHz
Freq Offset
0 Hz
MSG
STATUS

Channel 11


Keysight Spectrum Analyzer - Channel Power
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
10:13:23 PM Dec 21, 2016
Center Freq 2.462000000 GHz
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 36 dB
Ext Gain: -0.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Channel Power
17.35 dBm / 17.78 MHz
Power Spectral Density
4.855 dBm /MHz
Freq Offset
0 Hz
MSG
STATUS

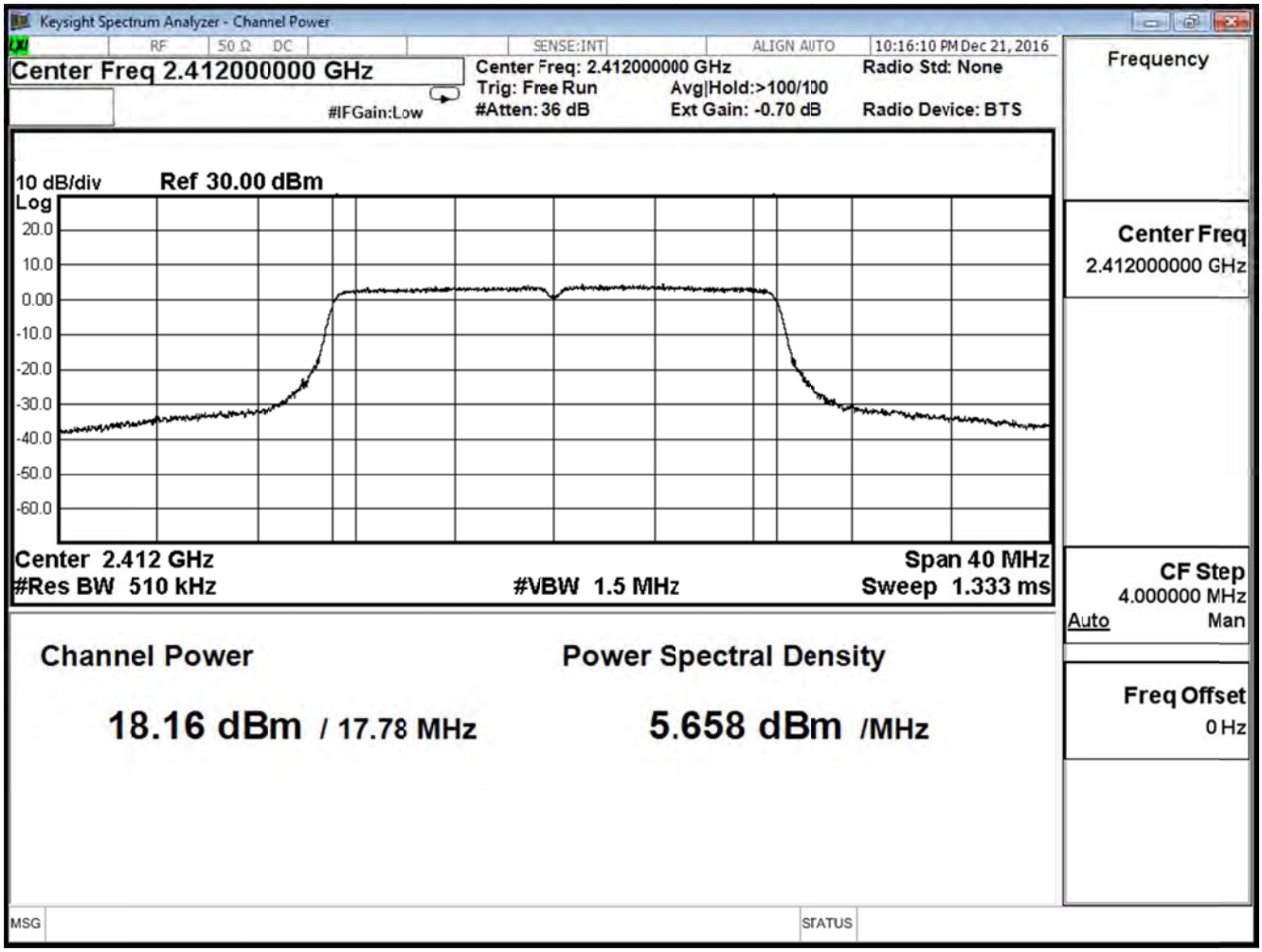
Product	Lyra mini		
Test Item	Peak Power Output		
Test Mode	Mode 1: Tx-AD2037320910LF-CDD Mode		
Date of Test	2016/12/21	Test Site	SR10-H

IEEE 802.11n20 (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	18.16	≦30
6	2437	21.71	≦30
11	2462	17.15	≦30

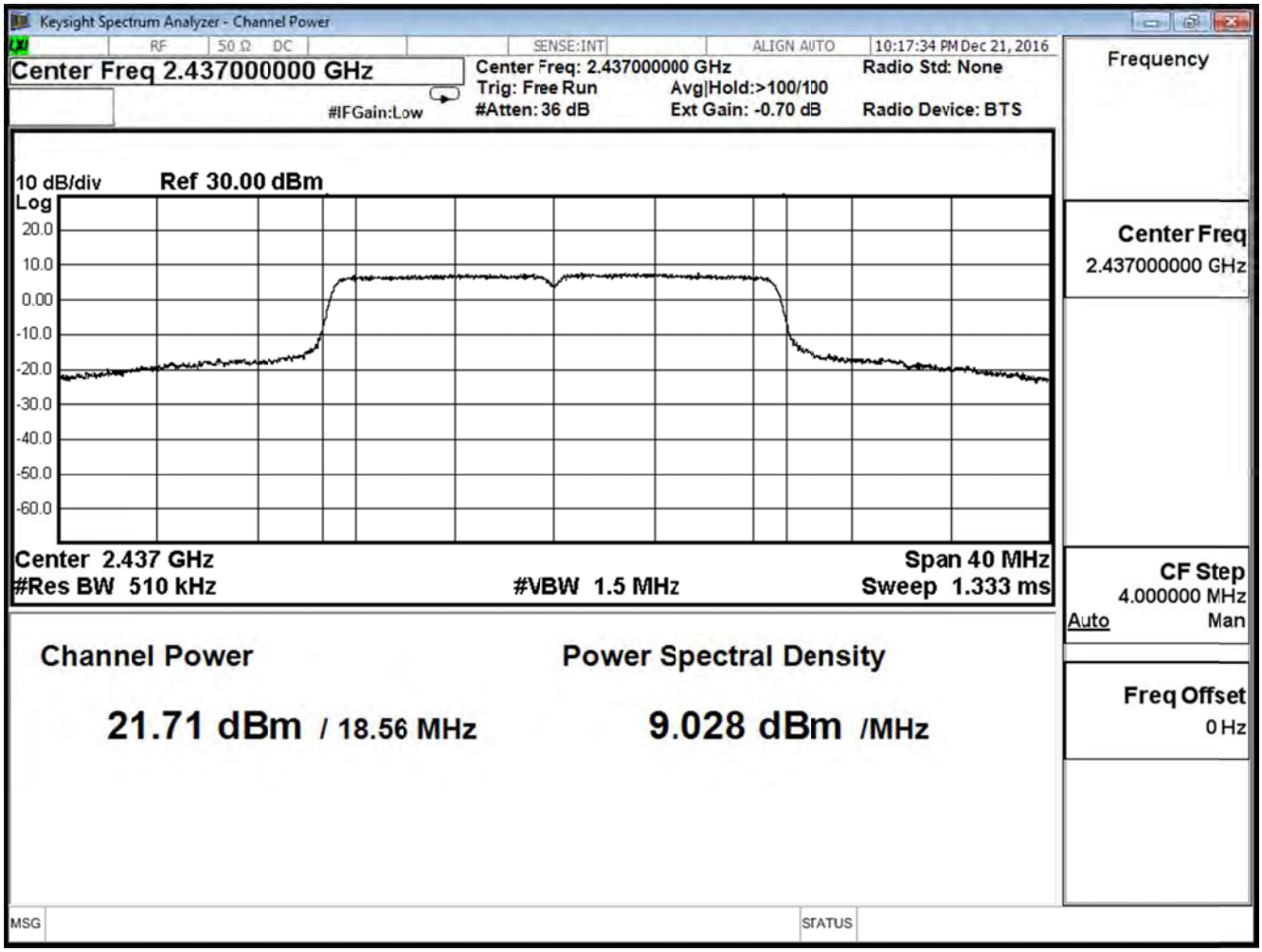
The worst emission of data rate is 6.5Mbps

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		6.5	13	19.5	26	39	52	58.5	65	
1	2412	18.16	--	--	--	--	--	--	--	≦30
6	2437	21.71	21.65	21.59	21.47	21.41	21.35	21.29	21.17	≦30
11	2462	17.15	--	--	--	--	--	--	--	≦30

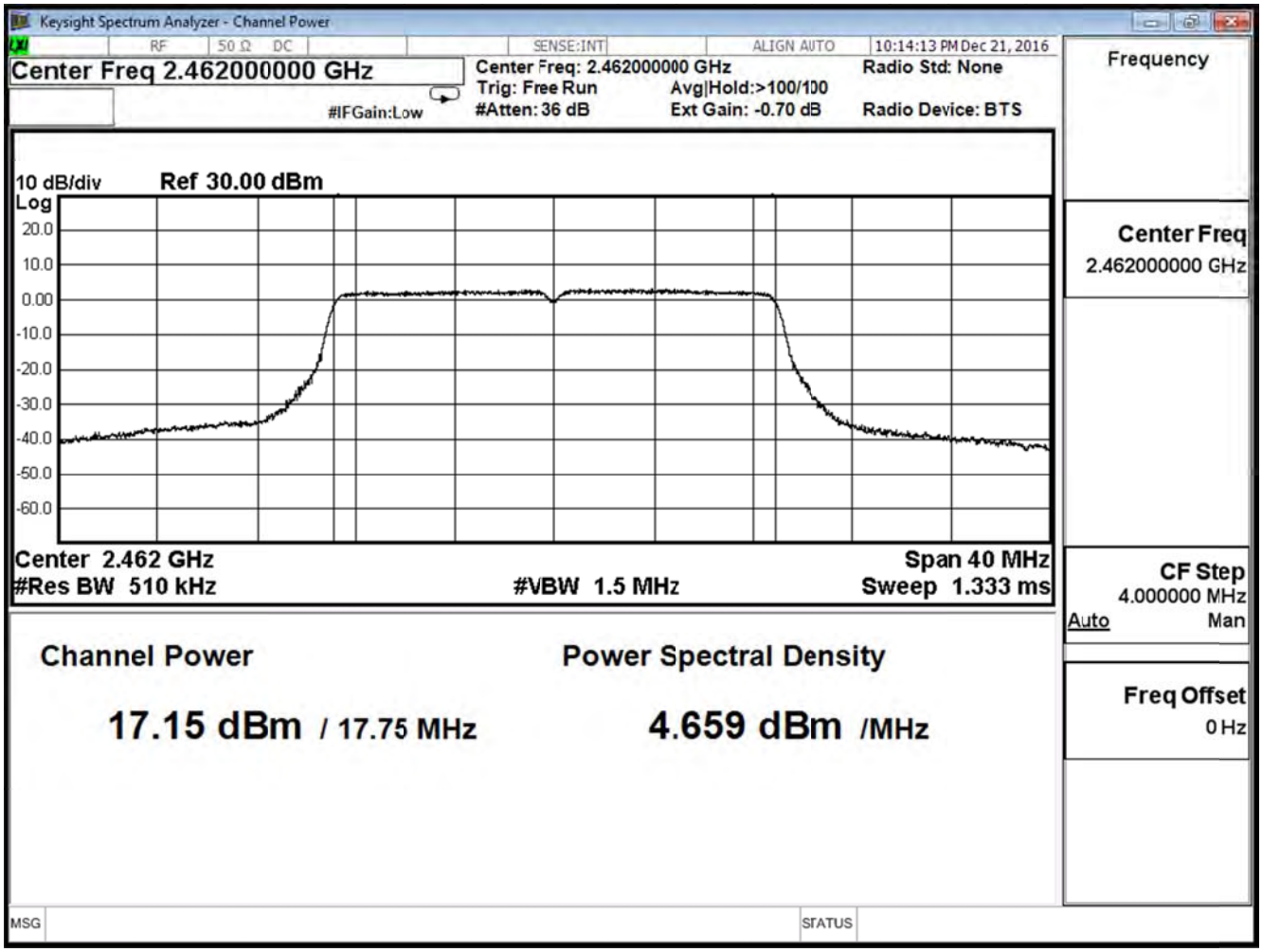
Channel 1


Keysight Spectrum Analyzer - Channel Power
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
10:16:10 PM Dec 21, 2016
Center Freq 2.412000000 GHz
Center Freq: 2.412000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 36 dB
Ext Gain: -0.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.412000000 GHz
Center 2.412 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Channel Power
18.16 dBm / 17.78 MHz
Power Spectral Density
5.658 dBm /MHz
Freq Offset
0 Hz
MSG
STATUS

Channel 6


Keysight Spectrum Analyzer - Channel Power
RF 50 Ω DC
SENSE:INT
ALIGN AUTO
10:17:34 PM Dec 21, 2016
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 36 dB
Ext Gain: -0.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Channel Power
21.71 dBm / 18.56 MHz
Power Spectral Density
9.028 dBm /MHz
Freq Offset
0 Hz
MSG
STATUS

Channel 11


Keysight Spectrum Analyzer - Channel Power
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
10:14:13 PM Dec 21, 2016
Center Freq 2.462000000 GHz
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 36 dB
Ext Gain: -0.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Channel Power
17.15 dBm / 17.75 MHz
Power Spectral Density
4.659 dBm /MHz
Freq Offset
0 Hz
MSG
STATUS

Product	Lyra mini		
Test Item	Peak Power Output		
Test Mode	Mode 1: Tx-AD2037320910LF-CDD Mode		
Date of Test	2016/12/21	Test Site	SR10-H

IEEE 802.11n20 (ANT 0+1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	21.21	≦30
6	2437	24.78	≦30
11	2462	20.26	≦30

The worst emission of data rate is 6.5Mbps

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		6.5	13	19.5	26	39	52	58.5	65	
1	2412	21.21	--	--	--	--	--	--	--	≦30
6	2437	24.78	24.69	24.63	24.54	24.45	24.36	24.30	24.21	≦30
11	2462	20.26	--	--	--	--	--	--	--	≦30

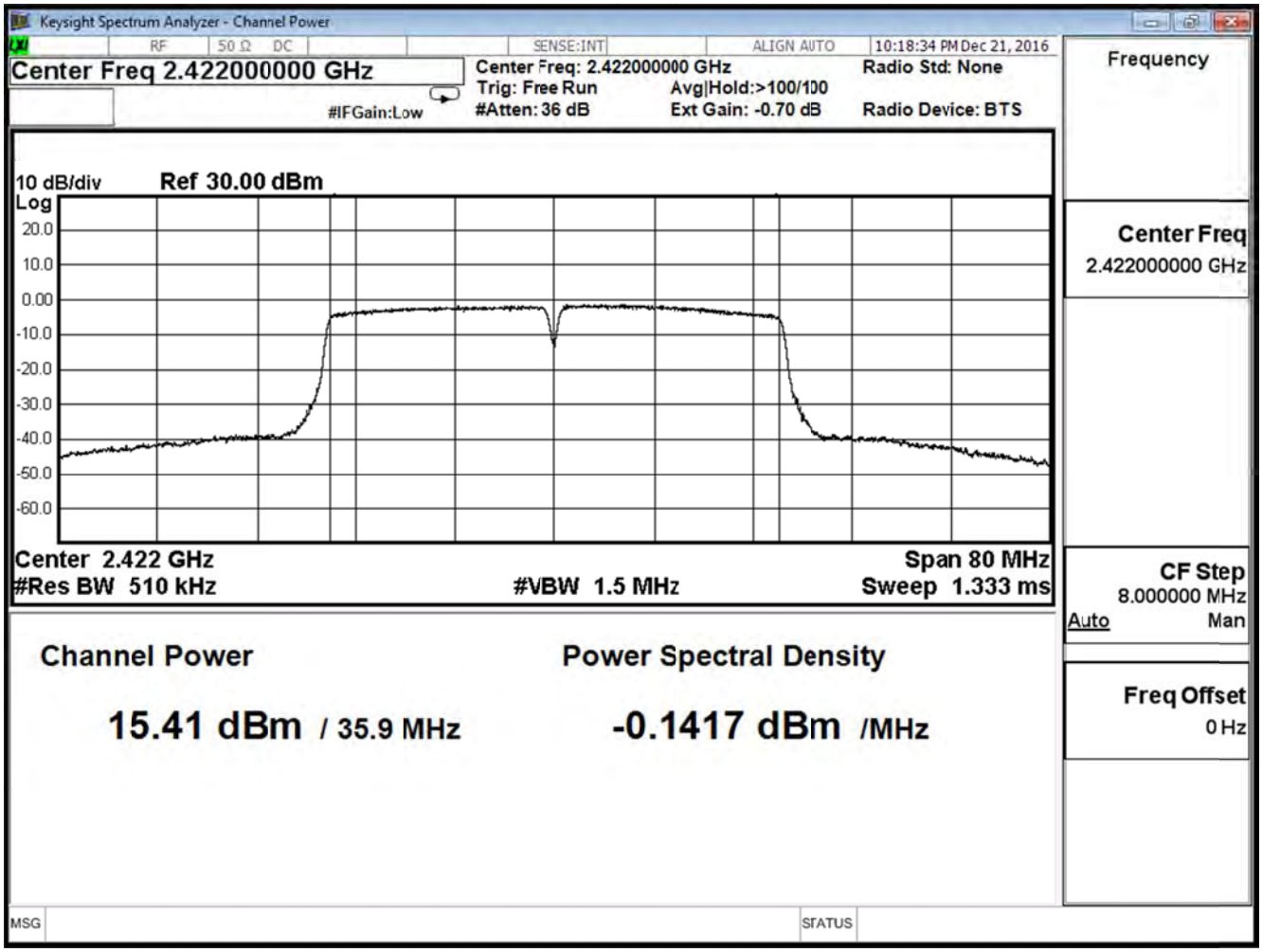
Product	Lyra mini		
Test Item	Peak Power Output		
Test Mode	Mode 1: Tx-AD2037320910LF-CDD Mode		
Date of Test	2016/12/21	Test Site	SR10-H

IEEE 802.11n40 (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	15.41	≦30
6	2437	18.46	≦30
9	2452	14.31	≦30

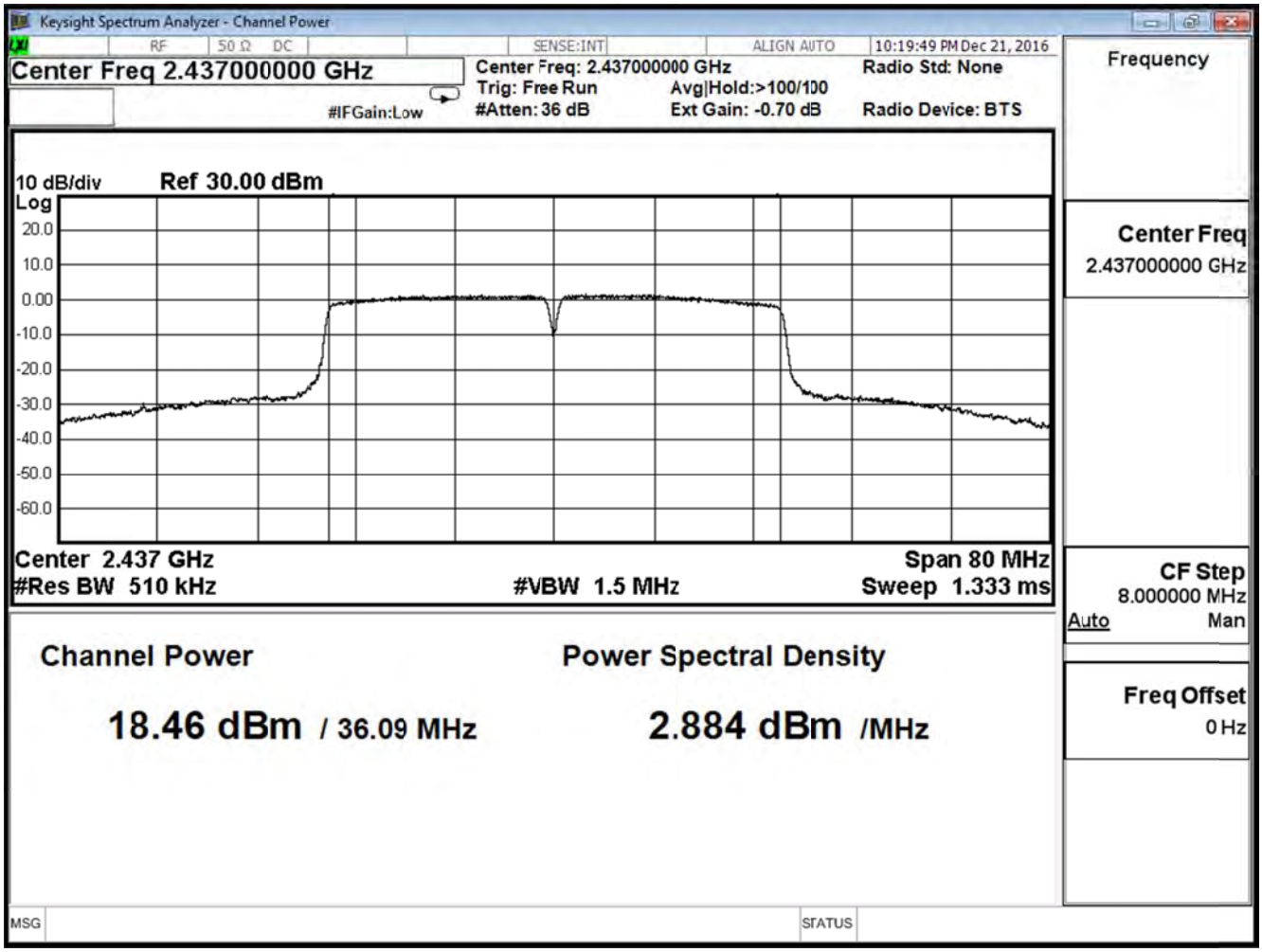
The worst emission of data rate is 13.5 Mbps.

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		13.5	27	40.5	54	81	108	121.5	135	
3	2422	15.41	--	--	--	--	--	--	--	≦30
6	2437	18.46	18.40	18.34	18.28	18.16	18.04	17.92	17.80	≦30
9	2452	14.31	--	--	--	--	--	--	--	≦30

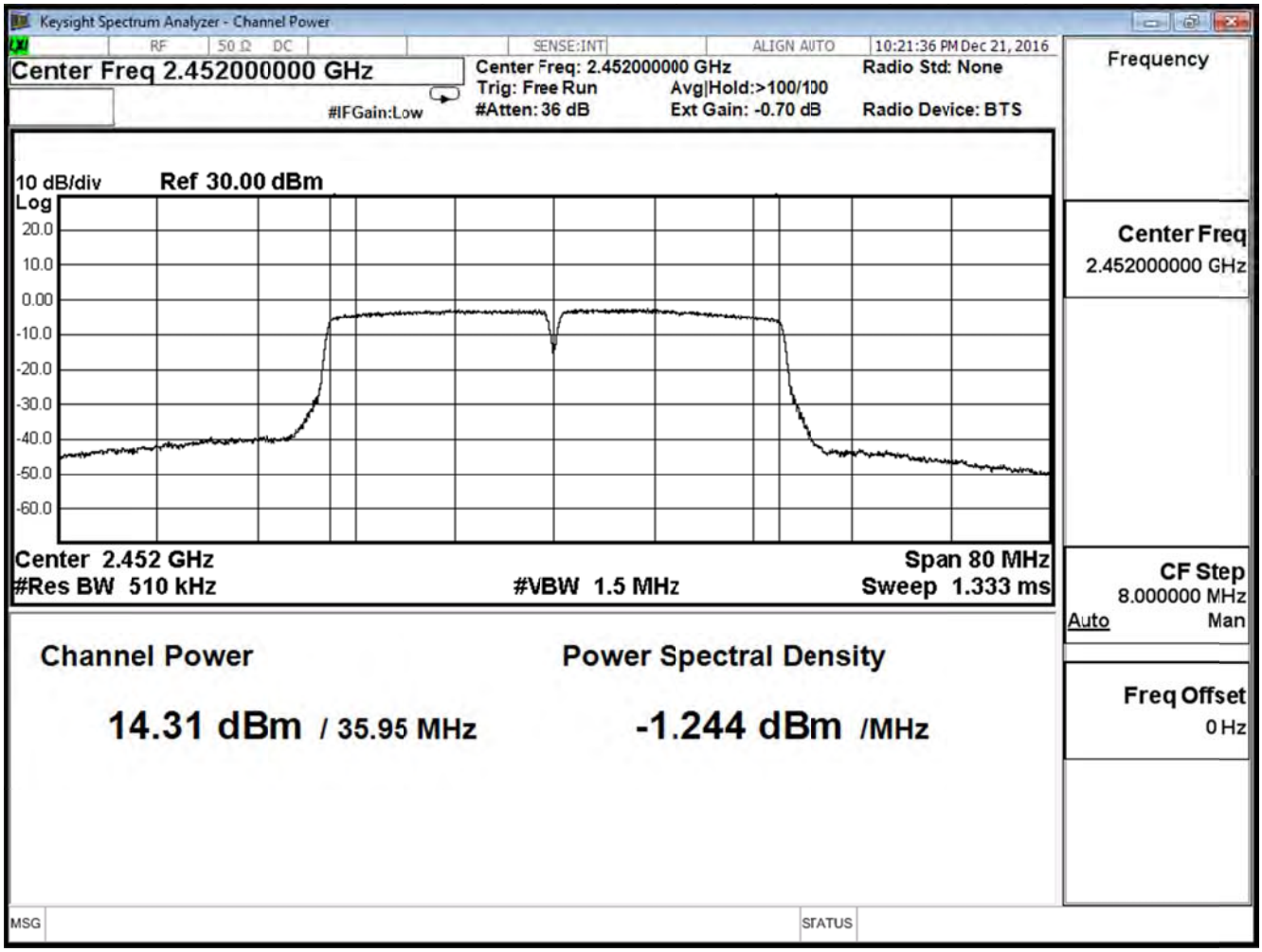
Channel 3


Keysight Spectrum Analyzer - Channel Power
RF 50 Ω DC
SENSE:INT
ALIGN AUTO
10:18:34 PM Dec 21, 2016
Center Freq 2.422000000 GHz
Center Freq: 2.422000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 36 dB
Ext Gain: -0.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.422000000 GHz
Center 2.422 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Channel Power
15.41 dBm / 35.9 MHz
Power Spectral Density
-0.1417 dBm /MHz
Freq Offset
0 Hz
MSG
STATUS

Channel 6


Keysight Spectrum Analyzer - Channel Power
RF 50 Ω DC
SENSE:INT
ALIGN AUTO
10:19:49 PM Dec 21, 2016
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 36 dB
Ext Gain: -0.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Channel Power
18.46 dBm / 36.09 MHz
Power Spectral Density
2.884 dBm /MHz
Freq Offset
0 Hz
MSG
STATUS

Channel 9


Keysight Spectrum Analyzer - Channel Power
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
10:21:36 PM Dec 21, 2016
Center Freq 2.452000000 GHz
Center Freq: 2.452000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 36 dB
Ext Gain: -0.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.452000000 GHz
Center 2.452 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Channel Power
14.31 dBm / 35.95 MHz
Power Spectral Density
-1.244 dBm /MHz
Freq Offset
0 Hz
MSG
STATUS

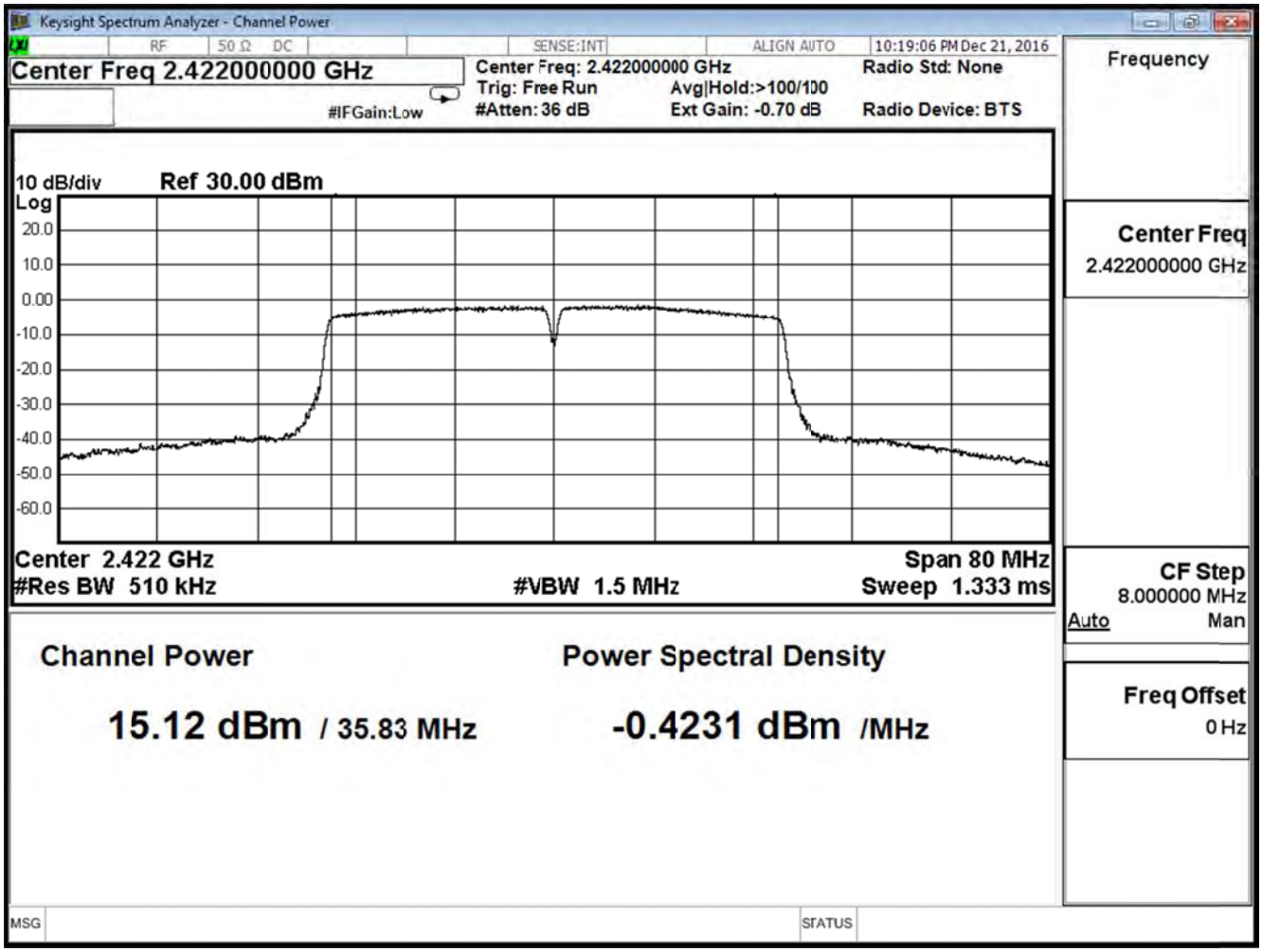
Product	Lyra mini		
Test Item	Peak Power Output		
Test Mode	Mode 1: Tx-AD2037320910LF-CDD Mode		
Date of Test	2016/12/21	Test Site	SR10-H

IEEE 802.11n40 (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	15.12	≦30
6	2437	18.18	≦30
9	2452	14.13	≦30

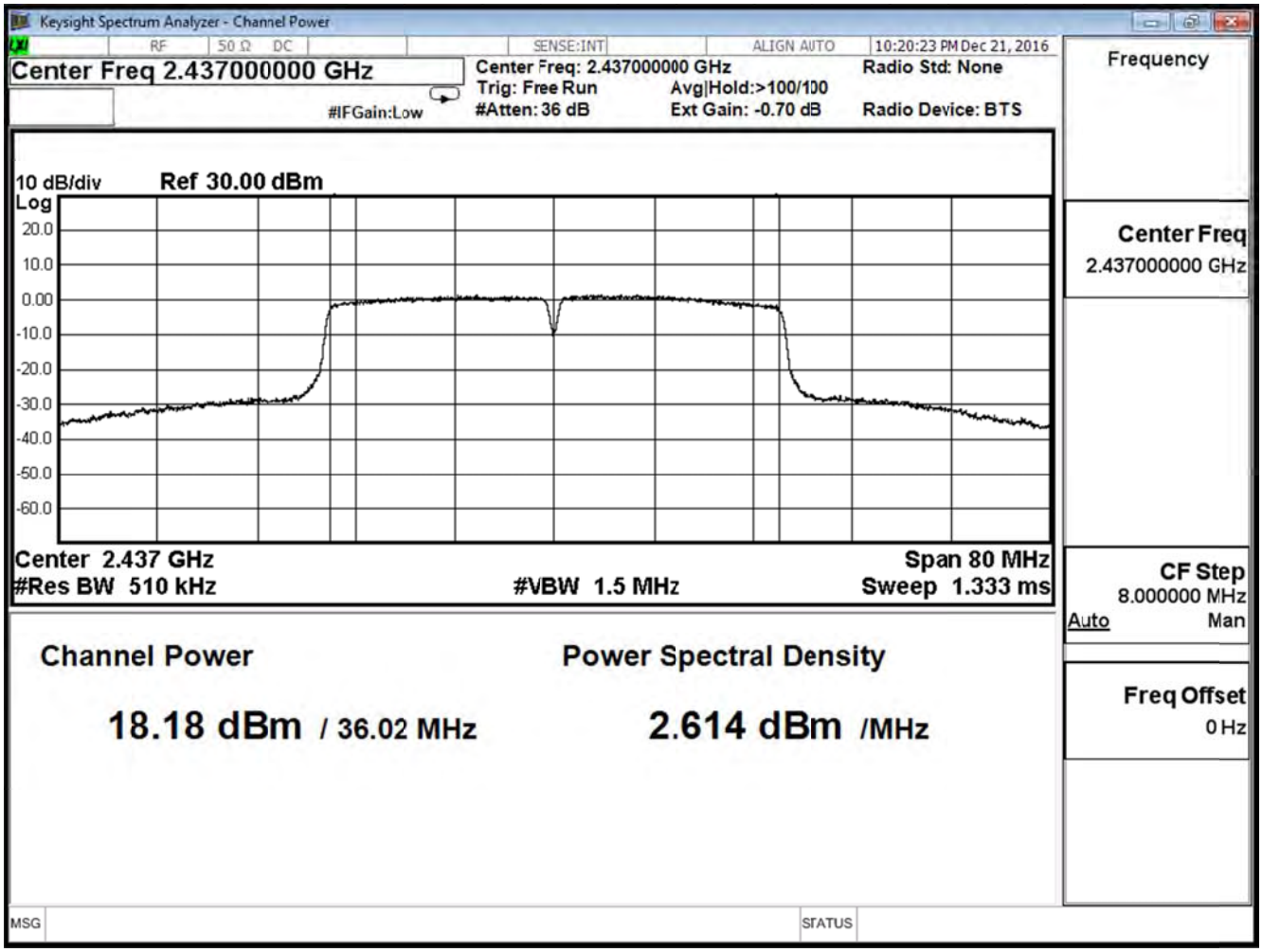
The worst emission of data rate is 13.5 Mbps.

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		13.5	27	40.5	54	81	108	121.5	135	
3	2422	15.12	--	--	--	--	--	--	--	≦30
6	2437	18.18	18.12	18.00	17.88	17.82	17.76	17.64	17.58	≦30
9	2452	14.13	--	--	--	--	--	--	--	≦30

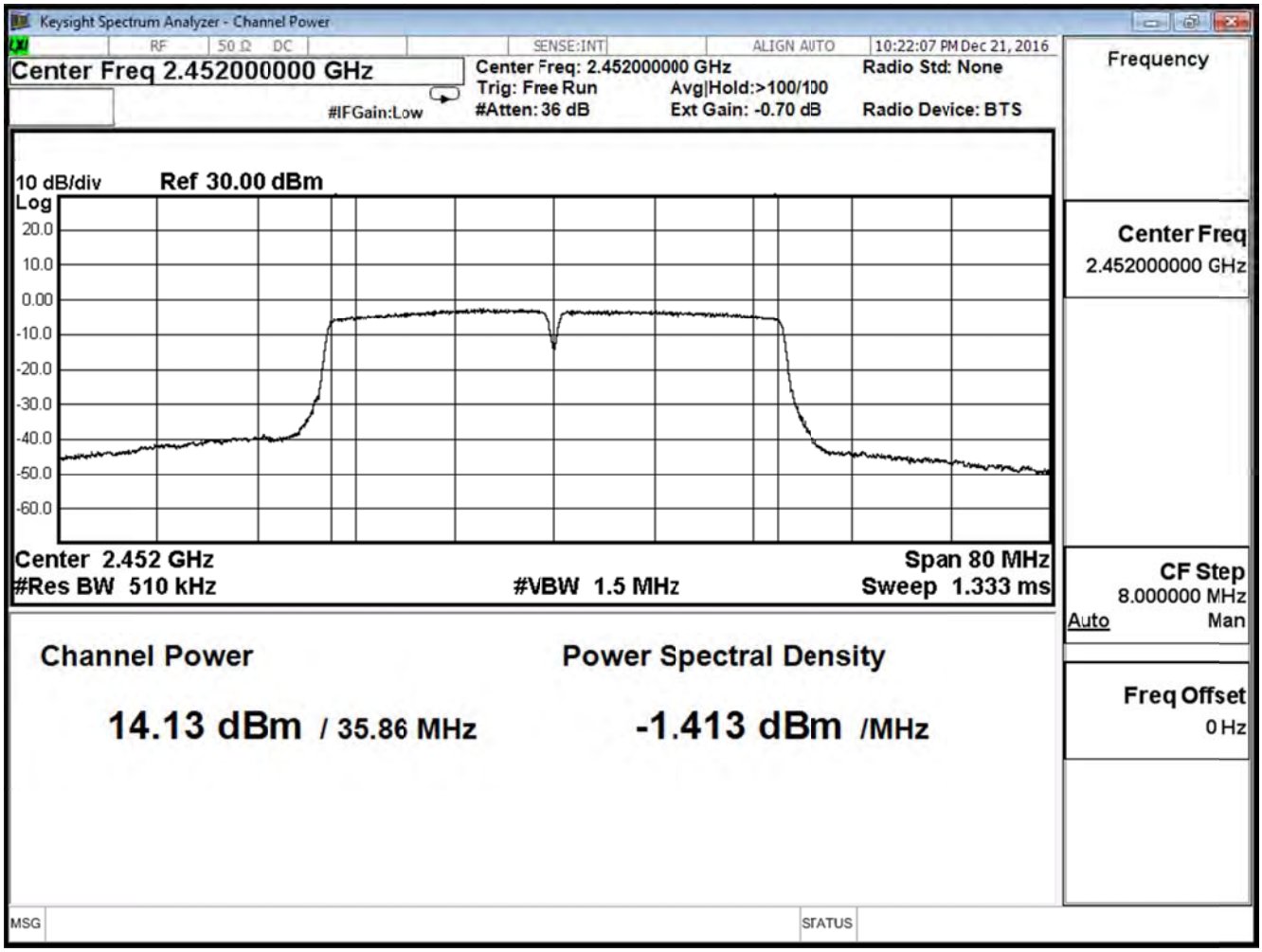
Channel 3


Keysight Spectrum Analyzer - Channel Power
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
10:19:06 PM Dec 21, 2016
Center Freq 2.422000000 GHz
Center Freq: 2.422000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 36 dB
Ext Gain: -0.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.422000000 GHz
Center 2.422 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Channel Power
15.12 dBm / 35.83 MHz
Power Spectral Density
-0.4231 dBm /MHz
Freq Offset
0 Hz
MSG
STATUS

Channel 6


Keysight Spectrum Analyzer - Channel Power
RF 50 Ω DC
SENSE:INT
ALIGN AUTO
10:20:23 PM Dec 21, 2016
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 36 dB
Ext Gain: -0.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Channel Power
18.18 dBm / 36.02 MHz
Power Spectral Density
2.614 dBm /MHz
Freq Offset
0 Hz
MSG
STATUS

Channel 9


Keysight Spectrum Analyzer - Channel Power
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
10:22:07 PM Dec 21, 2016
Center Freq 2.452000000 GHz
Center Freq: 2.452000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 36 dB
Ext Gain: -0.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.452000000 GHz
Center 2.452 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Channel Power
14.13 dBm / 35.86 MHz
Power Spectral Density
-1.413 dBm /MHz
Freq Offset
0 Hz
MSG
STATUS

Product	Lyra mini		
Test Item	Peak Power Output		
Test Mode	Mode 1: Tx-AD2037320910LF-CDD Mode		
Date of Test	2016/12/22	Test Site	SR10-H

IEEE 802.11n40 (ANT 0+1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	18.28	≦30
6	2437	21.33	≦30
9	2452	17.23	≦30

The worst emission of data rate is 13.5 Mbps.

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		13.5	27	40.5	54	81	108	121.5	135	
3	2422	18.28	--	--	--	--	--	--	--	≦30
6	2437	21.33	21.27	21.18	21.09	21.00	20.91	20.79	20.70	≦30
9	2452	17.23	--	--	--	--	--	--	--	≦30

Product	Lyra mini		
Test Item	Peak Power Output		
Test Mode	Mode 3: Tx-AD2037320910LF-BF Mode		
Date of Test	2017/01/15	Test Site	SR10-H

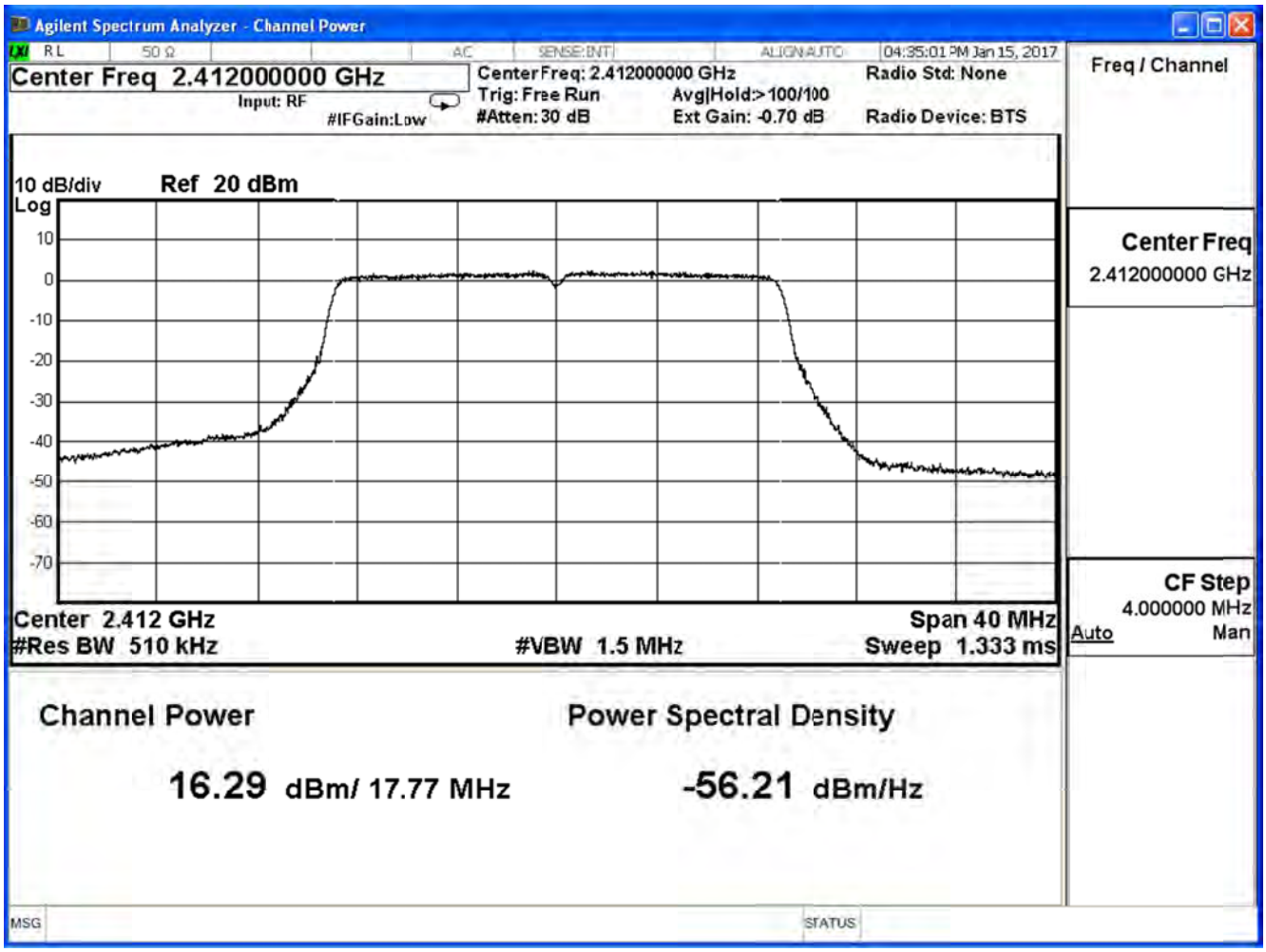
IEEE 802.11n20 (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	16.29	≦28.8
6	2437	21.34	≦28.8
11	2462	15.64	≦28.8

The worst emission of data rate is 6.5Mbps

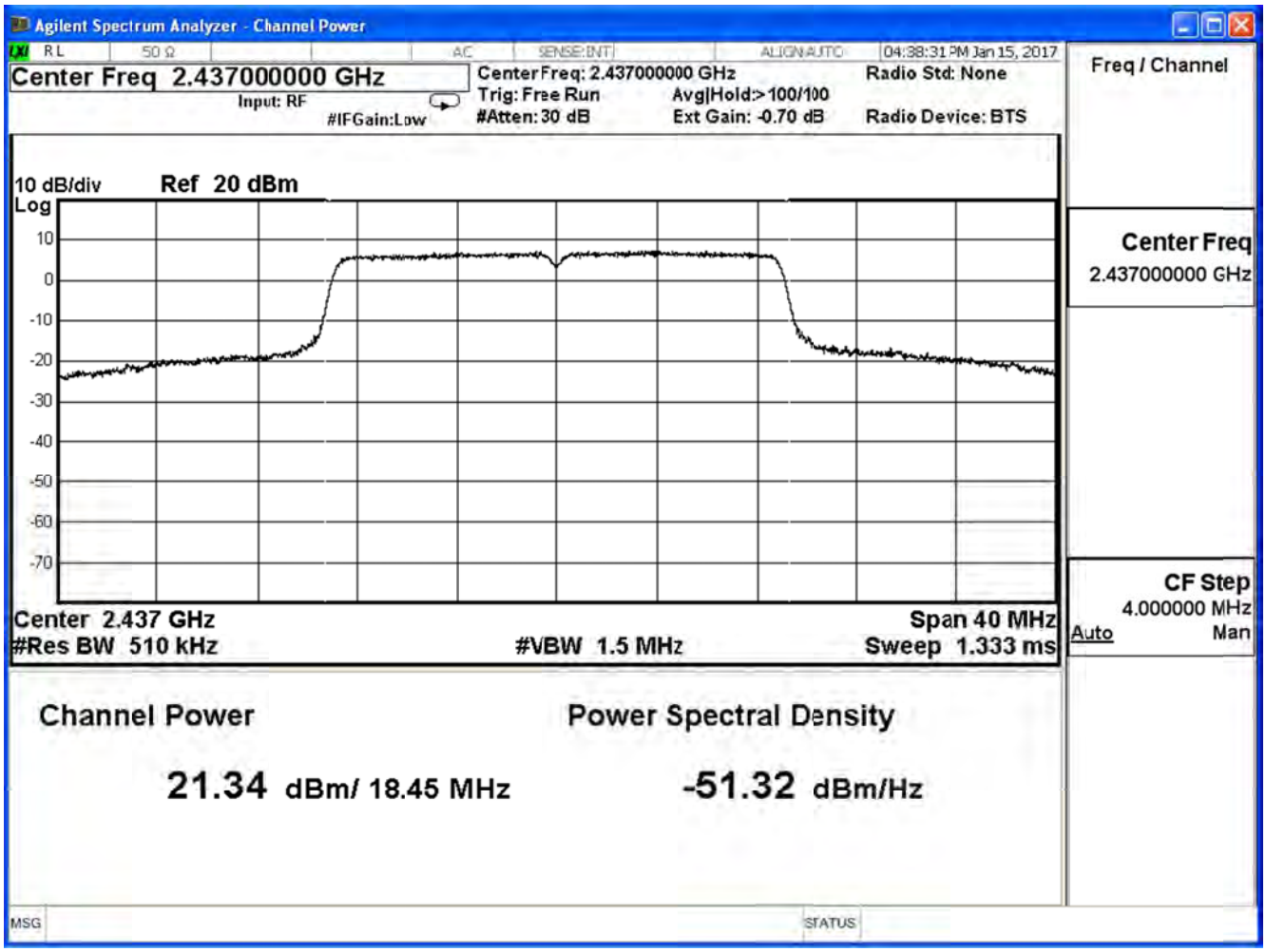
Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		6.5	13	19.5	26	39	52	58.5	65	
1	2412	16.29	--	--	--	--	--	--	--	≦28.8
6	2437	21.34	21.22	21.16	21.10	21.04	20.98	20.86	20.80	≦28.8
11	2462	15.64	--	--	--	--	--	--	--	≦28.8

Note:
Directional Antenna=10log(N)+Max Gain+ Beamforming Gain=7.2dBi
Required Limit=30dBm-(7.2dBi-6dB)=28.8 dBm

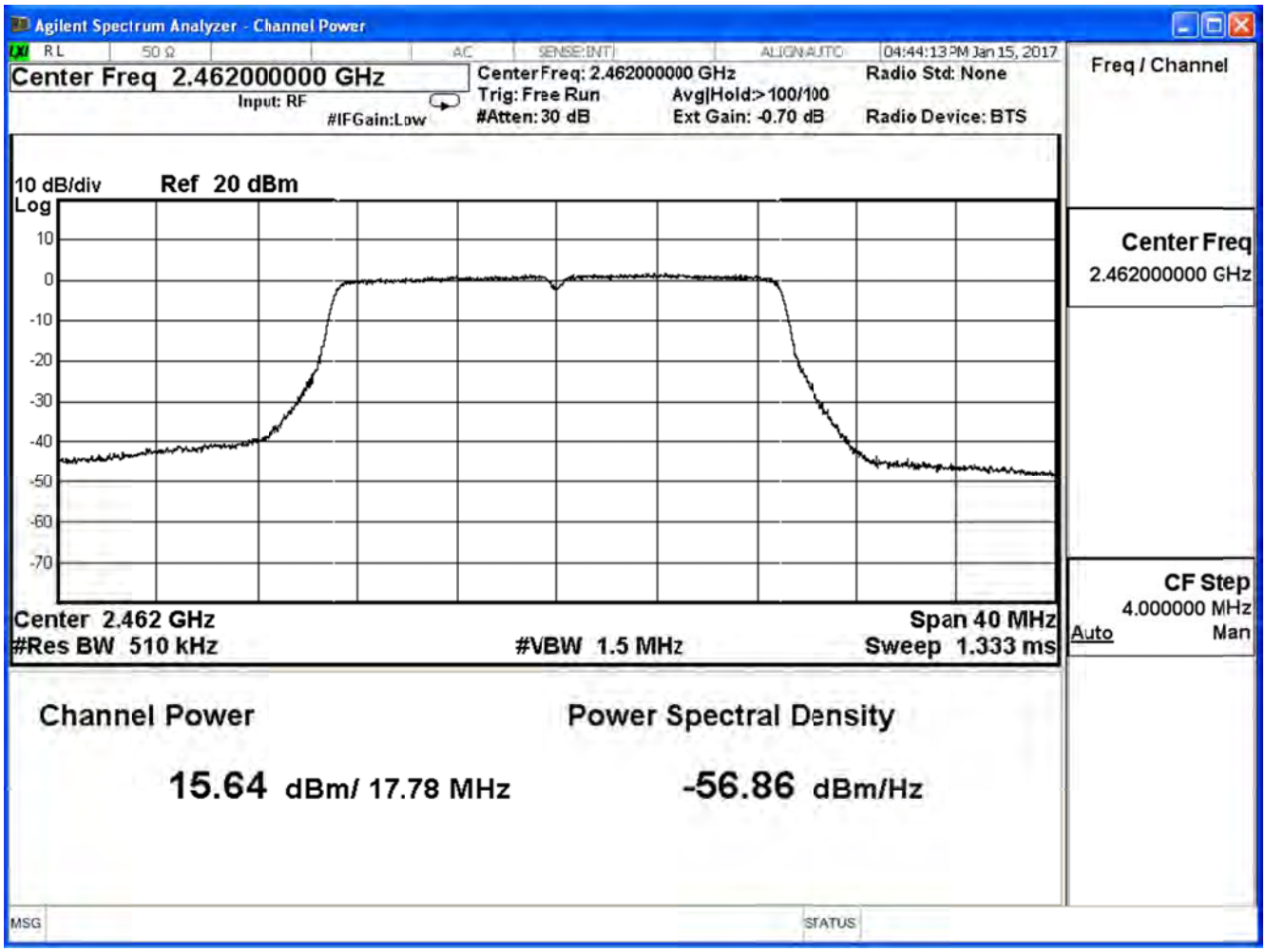
Channel 1


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:35:01 PM Jan 15, 2017
Center Freq 2.412000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.412000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -0.70 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.412000000 GHz
Center 2.412 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Channel Power
16.29 dBm/ 17.77 MHz
Power Spectral Density
-56.21 dBm/Hz
MSG
STATUS

Channel 6


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:38:31 PM Jan 15, 2017
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -0.70 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Channel Power
21.34 dBm/ 18.45 MHz
Power Spectral Density
-51.32 dBm/Hz
MSG
STATUS

Channel 11


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:44:13 PM Jan 15, 2017
Center Freq 2.462000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -0.70 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Channel Power
15.64 dBm/ 17.78 MHz
Power Spectral Density
-56.86 dBm/Hz
MSG
STATUS

Product	Lyra mini		
Test Item	Peak Power Output		
Test Mode	Mode 3: Tx-AD2037320910LF-BF Mode		
Date of Test	2017/01/15	Test Site	SR10-H

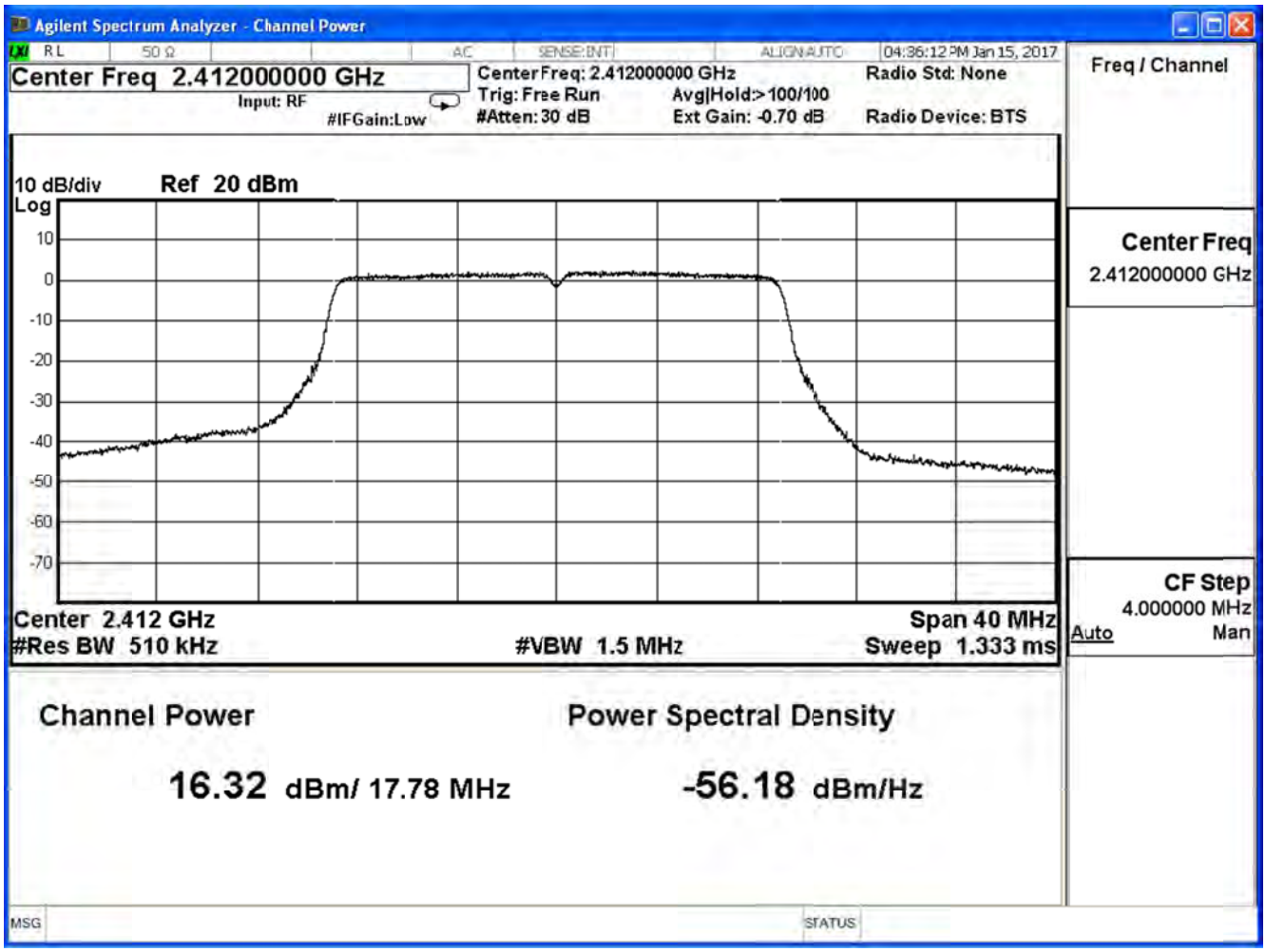
IEEE 802.11n20 (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	16.32	≦28.8
6	2437	21.68	≦28.8
11	2462	15.62	≦28.8

The worst emission of data rate is 6.5Mbps

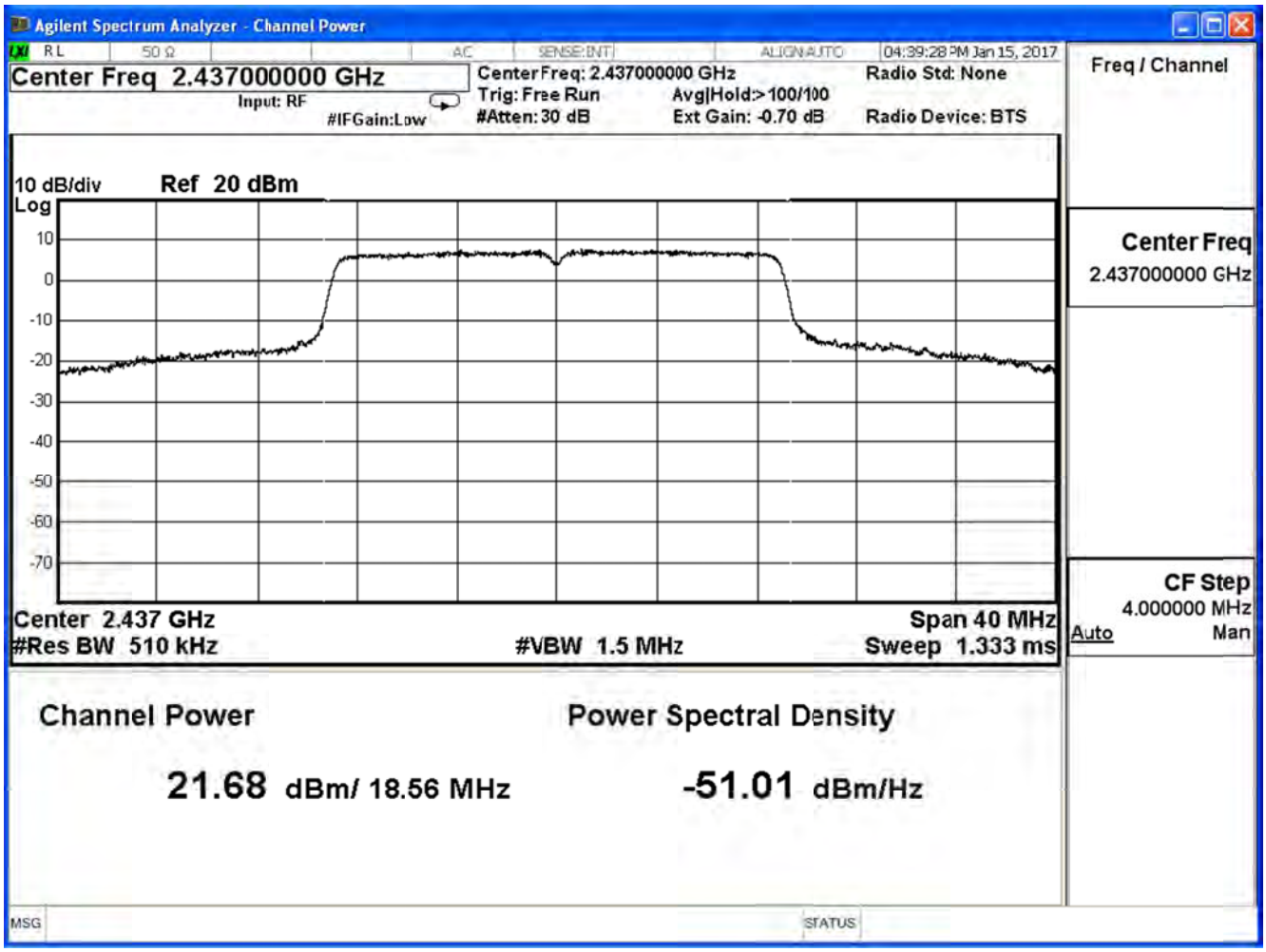
Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		6.5	13	19.5	26	39	52	58.5	65	
1	2412	16.32	--	--	--	--	--	--	--	≦28.8
6	2437	21.68	21.62	21.50	21.44	21.32	21.26	21.14	21.02	≦28.8
11	2462	15.62	--	--	--	--	--	--	--	≦28.8

Note:
Directional Antenna=10log(N)+Max Gain+ Beamforming Gain=7.2dBi
Required Limit=30dBm-(7.2dBi-6dB)=28.8 dBm

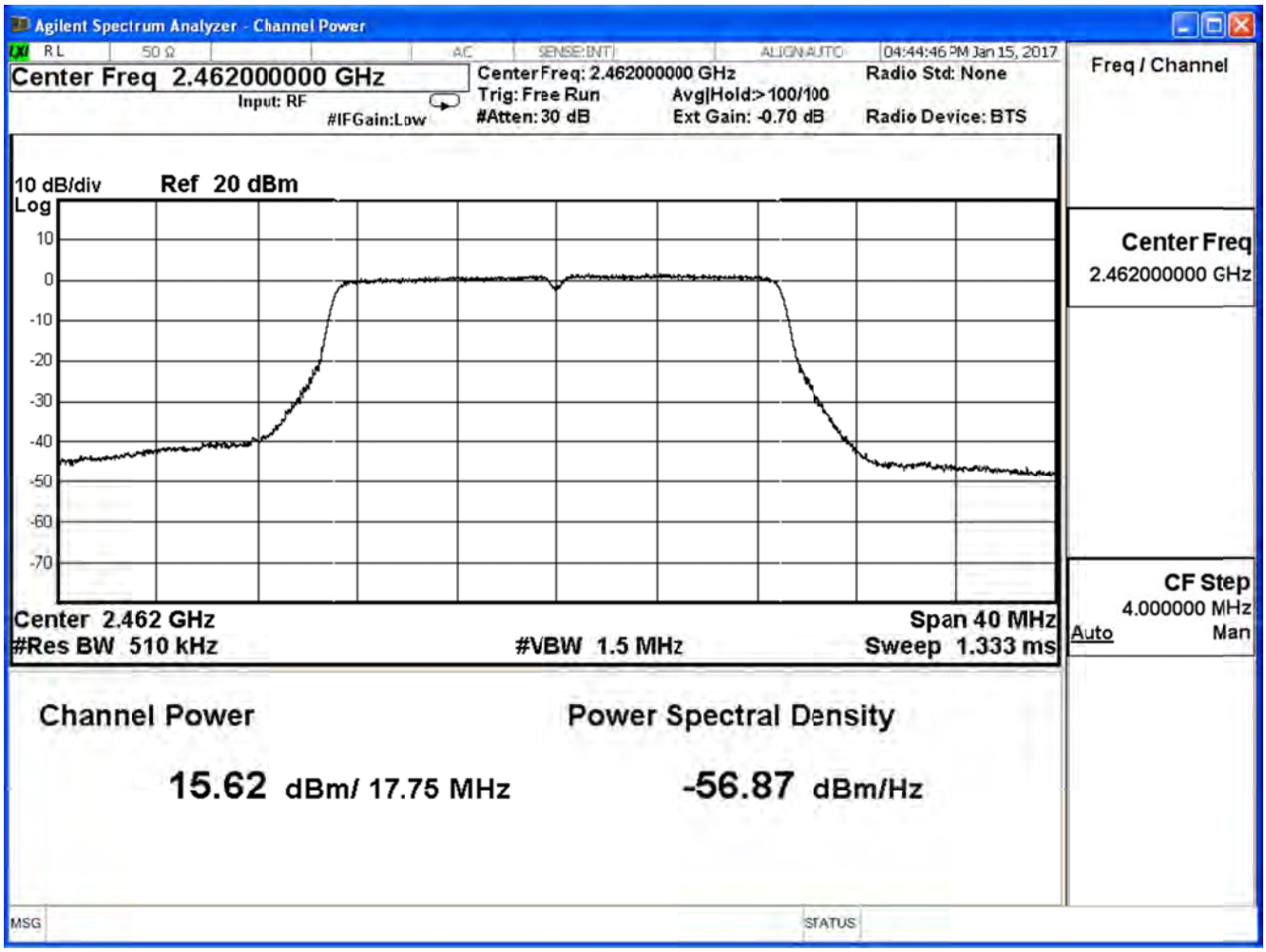
Channel 1


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:36:12 PM Jan 15, 2017
Center Freq 2.412000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.412000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -0.70 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.412000000 GHz
Center 2.412 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Channel Power
16.32 dBm/ 17.78 MHz
Power Spectral Density
-56.18 dBm/Hz
MSG
STATUS

Channel 6


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:39:28 PM Jan 15, 2017
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -0.70 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Channel Power
21.68 dBm/ 18.56 MHz
Power Spectral Density
-51.01 dBm/Hz
MSG
STATUS

Channel 11


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:44:46 PM Jan 15, 2017
Center Freq 2.462000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -0.70 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Channel Power
15.62 dBm/ 17.75 MHz
Power Spectral Density
-56.87 dBm/Hz
MSG
STATUS

Product	Lyra mini		
Test Item	Peak Power Output		
Test Mode	Mode 3: Tx-AD2037320910LF-BF Mode		
Date of Test	2017/01/15	Test Site	SR10-H

IEEE 802.11n20 (ANT 0+1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	19.32	≦28.8
6	2437	24.52	≦28.8
11	2462	18.64	≦28.8

The worst emission of data rate is 6.5Mbps

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		6.5	13	19.5	26	39	52	58.5	65	
1	2412	19.32	--	--	--	--	--	--	--	≦28.8
6	2437	24.52	24.40	24.34	24.28	24.16	24.10	24.04	23.92	≦28.8
11	2462	18.64	--	--	--	--	--	--	--	≦28.8

Note:
Directional Antenna=10log(N)+Max Gain+ Beamforming Gain=7.2dBi
Required Limit=30dBm-(7.2dBi-6dB)=28.8 dBm

Product	Lyra mini		
Test Item	Peak Power Output		
Test Mode	Mode 3: Tx-AD2037320910LF-BF Mode		
Date of Test	2017/01/15	Test Site	SR10-H

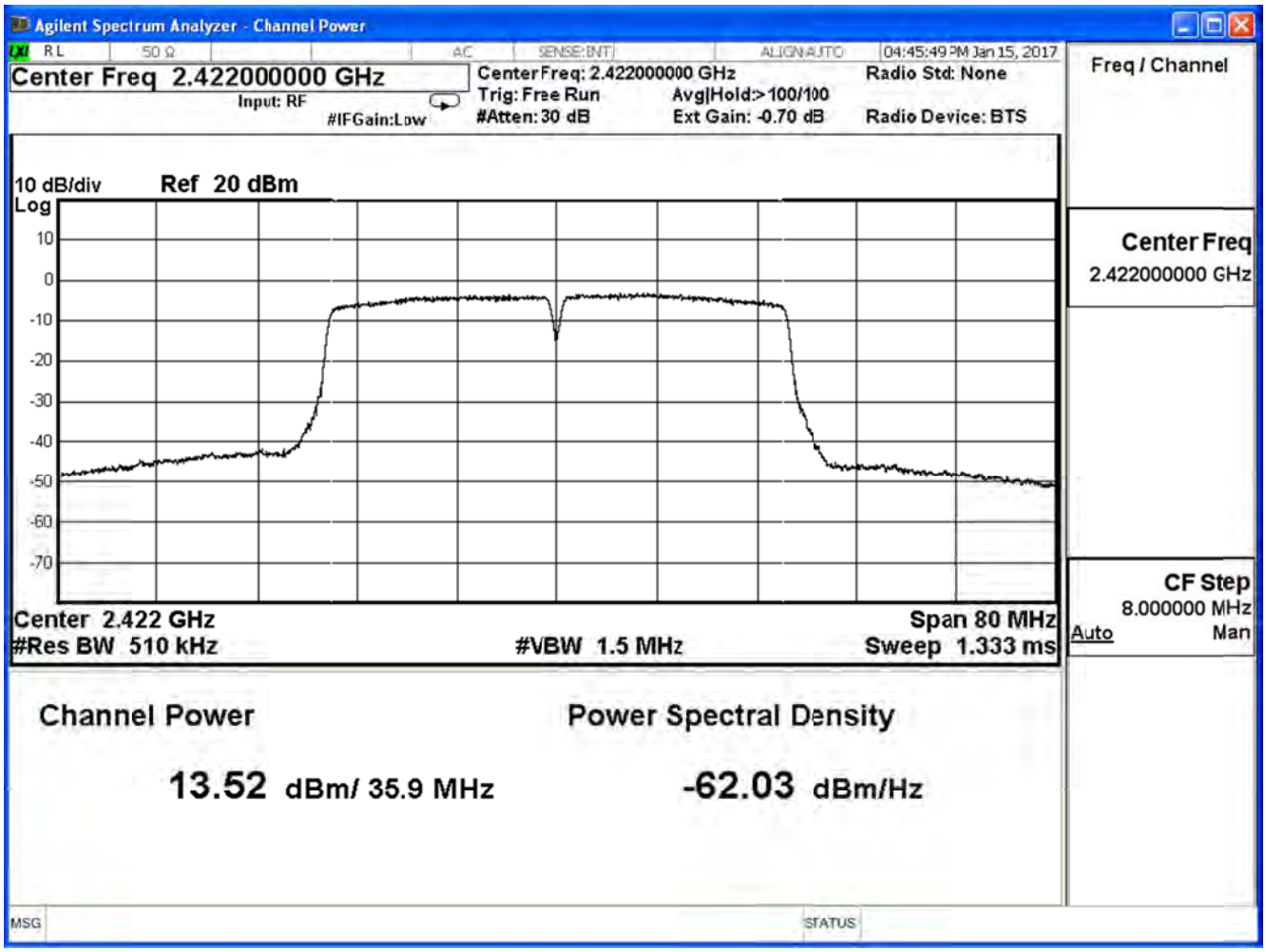
IEEE 802.11n40 (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	13.52	≦28.8
6	2437	16.36	≦28.8
9	2452	13.42	≦28.8

The worst emission of data rate is 13.5 Mbps.

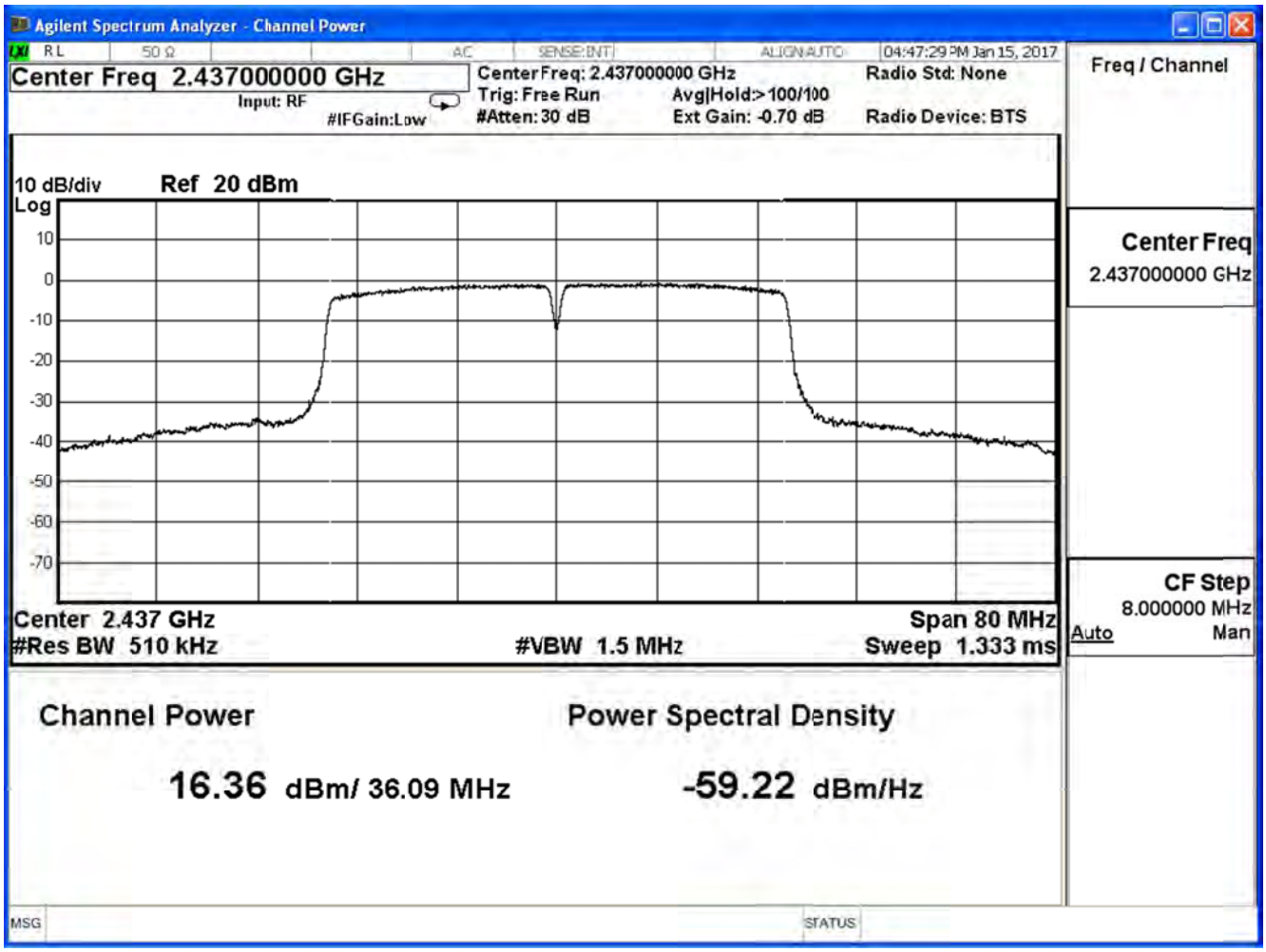
Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		13.5	27	40.5	54	81	108	121.5	135	
3	2422	13.52	--	--	--	--	--	--	--	≦28.8
6	2437	16.36	16.16	16.05	15.85	15.65	15.41	15.15	15.03	≦28.8
9	2452	13.42	--	--	--	--	--	--	--	≦28.8

Note:
Directional Antenna=10log(N)+Max Gain+ Beamforming Gain=7.2dBi
Required Limit=30dBm-(7.2dBi-6dB)=28.8 dBm

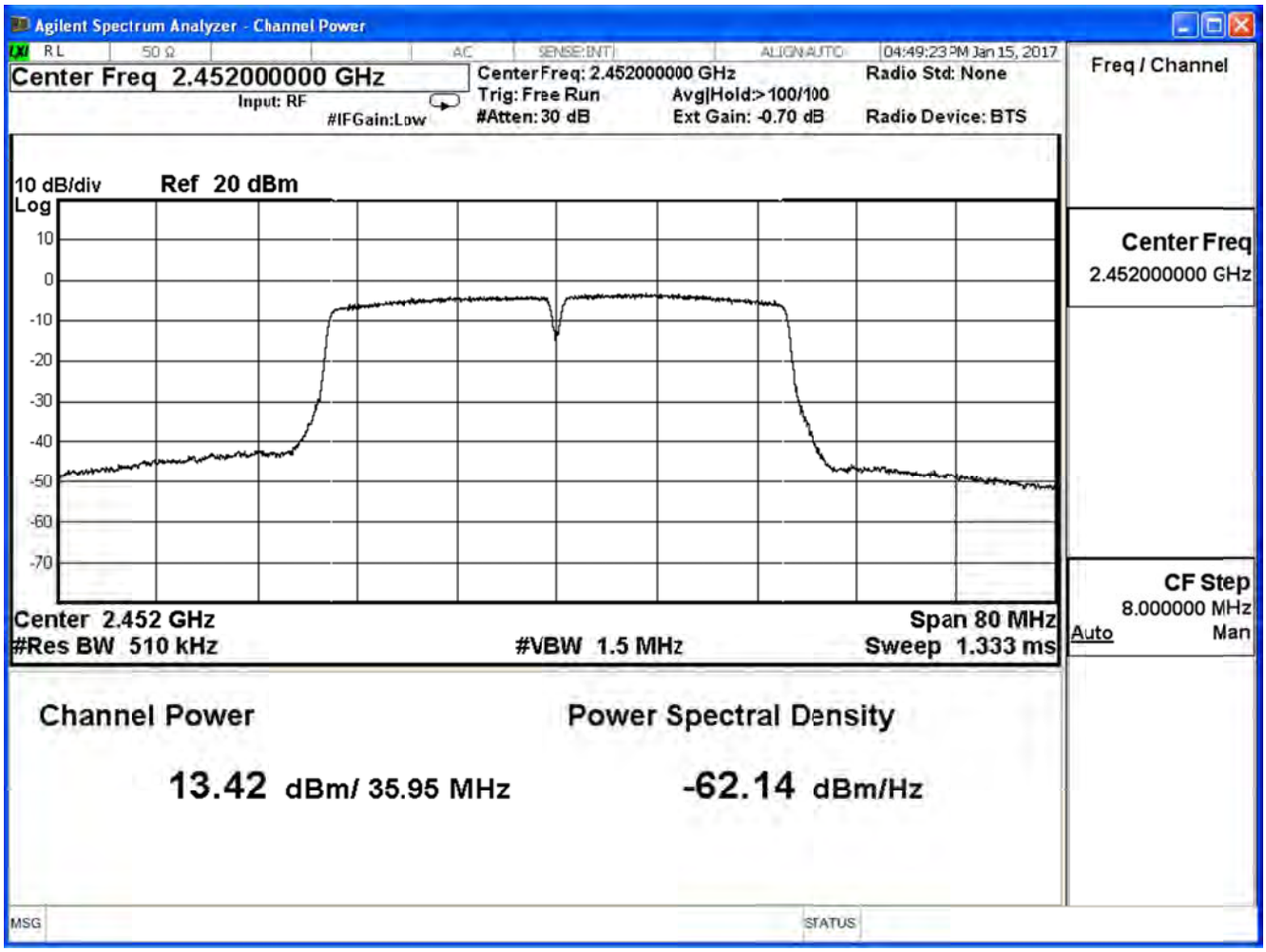
Channel 3


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:45:49 PM Jan 15, 2017
Center Freq 2.422000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.422000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -0.70 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.422000000 GHz
Center 2.422 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Channel Power
13.52 dBm/ 35.9 MHz
Power Spectral Density
-62.03 dBm/Hz
MSG
STATUS

Channel 6


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:47:29 PM Jan 15, 2017
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -0.70 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Channel Power
16.36 dBm/ 36.09 MHz
Power Spectral Density
-59.22 dBm/Hz
MSG
STATUS

Channel 9


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:49:23 PM Jan 15, 2017
Center Freq 2.452000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.452000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -0.70 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.452000000 GHz
Center 2.452 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Channel Power
13.42 dBm/ 35.95 MHz
Power Spectral Density
-62.14 dBm/Hz
MSG
STATUS

Product	Lyra mini		
Test Item	Peak Power Output		
Test Mode	Mode 3: Tx-AD2037320910LF-BF Mode		
Date of Test	2017/01/15	Test Site	SR10-H

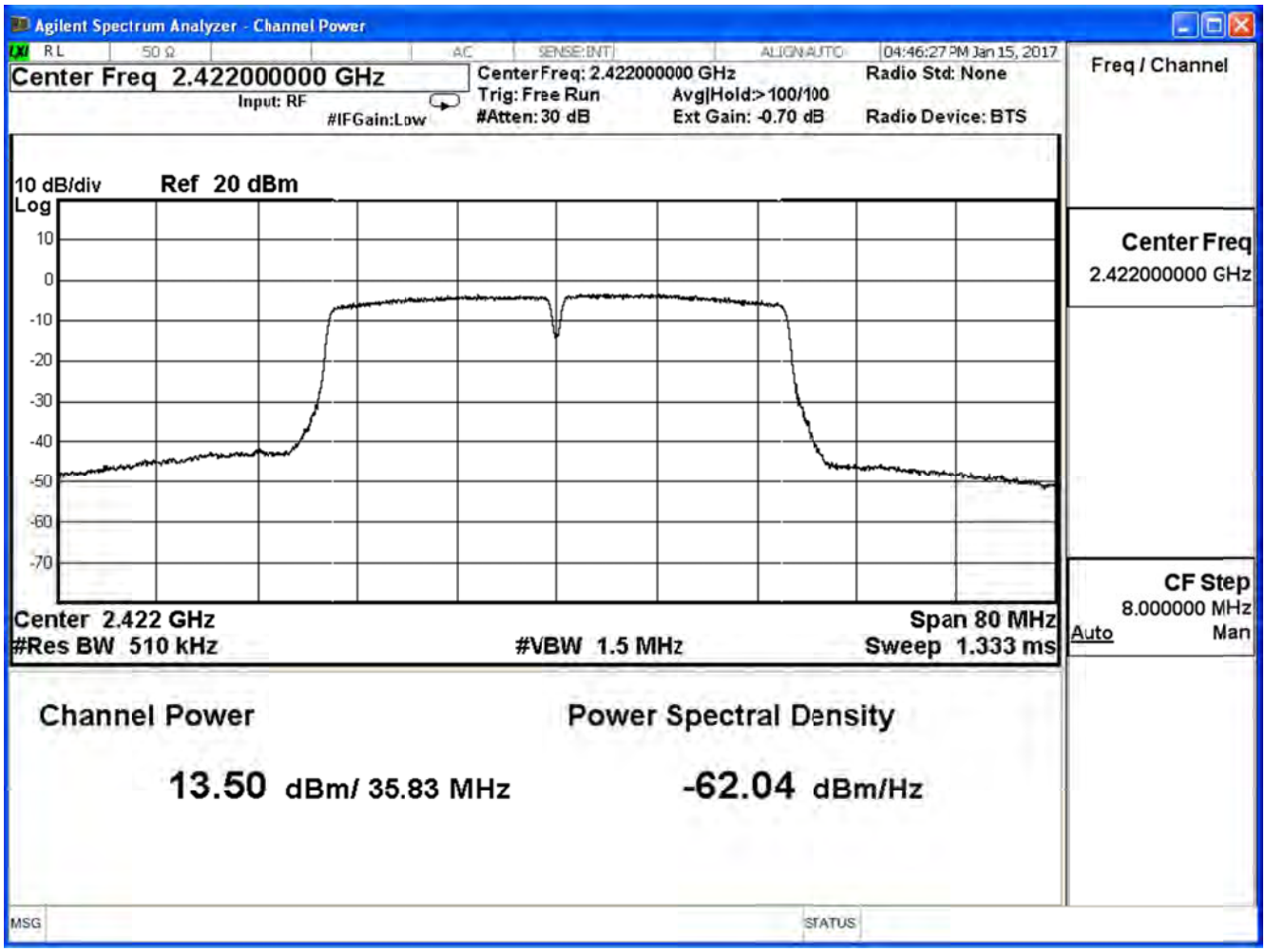
IEEE 802.11n40 (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	13.50	≦28.8
6	2437	16.84	≦28.8
9	2452	13.43	≦28.8

The worst emission of data rate is 13.5 Mbps.

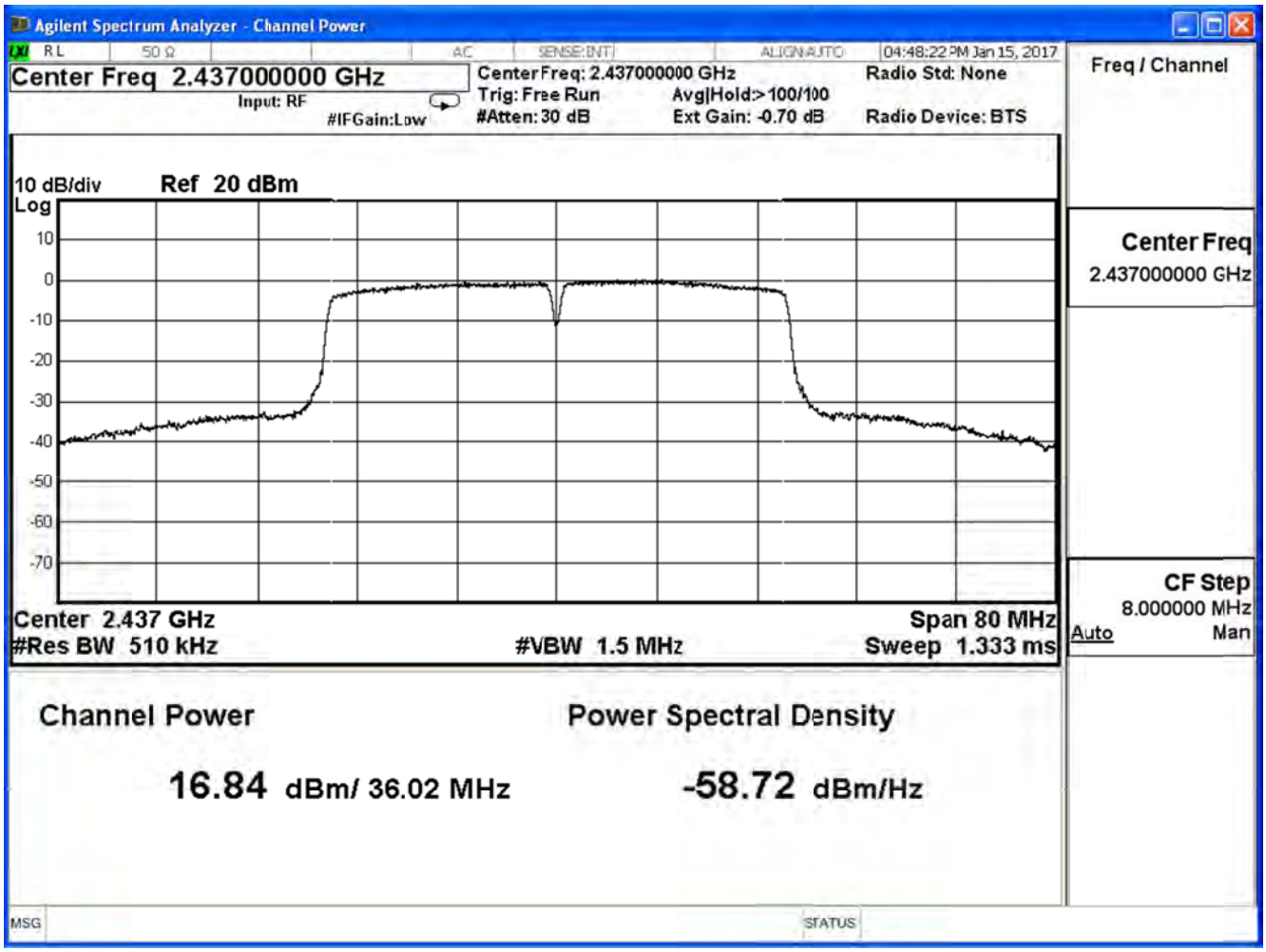
Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		13.5	27	40.5	54	81	108	121.5	135	
3	2422	13.50	--	--	--	--	--	--	--	≦28.8
6	2437	16.84	16.64	16.54	16.28	16.08	15.84	15.60	15.36	≦28.8
9	2452	13.43	--	--	--	--	--	--	--	≦28.8

Note:
Directional Antenna=10log(N)+Max Gain+ Beamforming Gain=7.2dBi
Required Limit=30dBm-(7.2dBi-6dB)=28.8 dBm

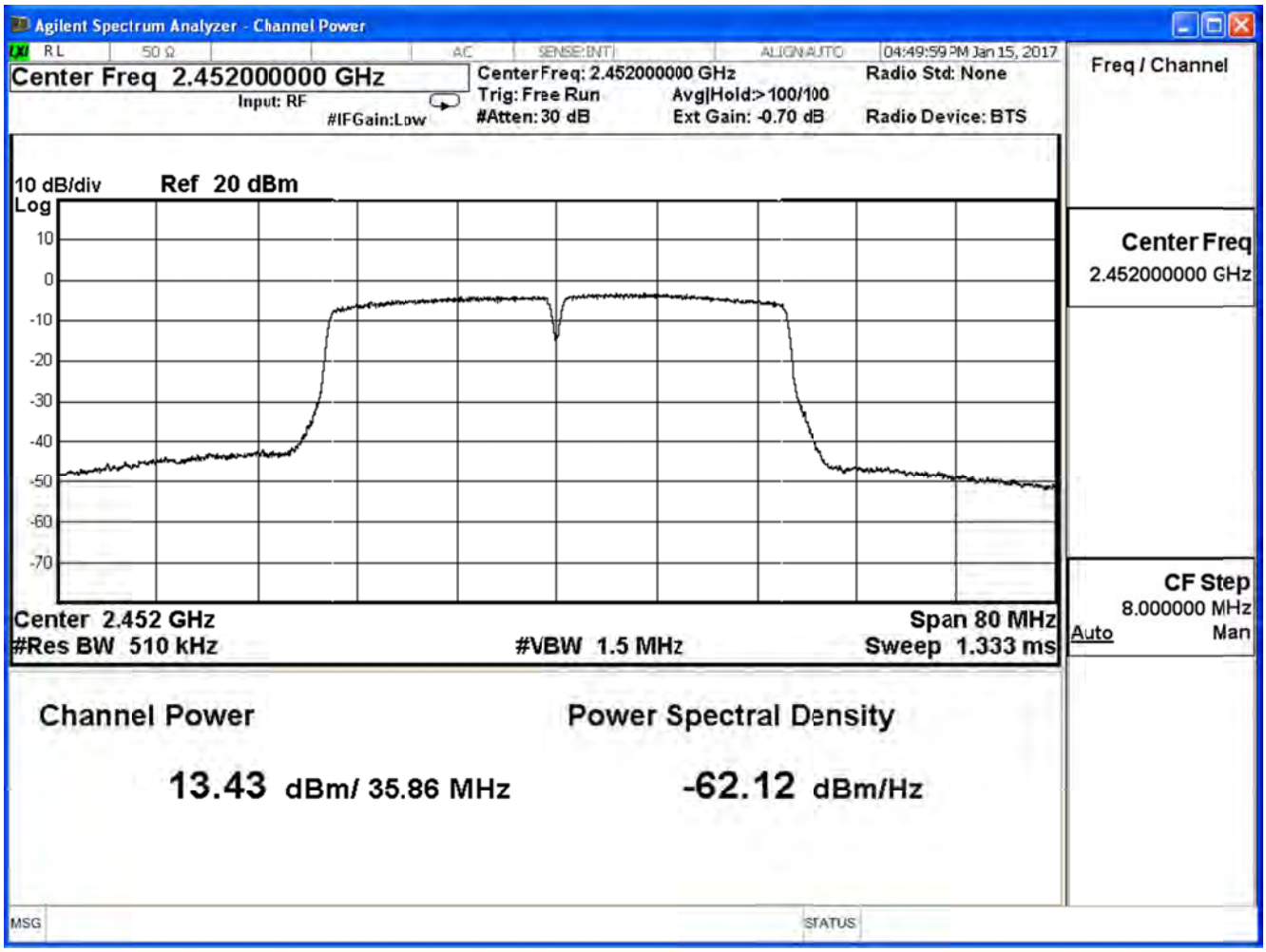
Channel 3


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:46:27 PM Jan 15, 2017
Center Freq 2.422000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.422000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -0.70 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.422000000 GHz
Center 2.422 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Channel Power
13.50 dBm/ 35.83 MHz
Power Spectral Density
-62.04 dBm/Hz
MSG
STATUS

Channel 6


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:48:22 PM Jan 15, 2017
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -0.70 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Channel Power
16.84 dBm/ 36.02 MHz
Power Spectral Density
-58.72 dBm/Hz
MSG
STATUS

Channel 9


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:49:59 PM Jan 15, 2017
Center Freq 2.452000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.452000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -0.70 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.452000000 GHz
Center 2.452 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Channel Power
13.43 dBm/ 35.86 MHz
Power Spectral Density
-62.12 dBm/Hz
MSG
STATUS

Product	Lyra mini		
Test Item	Peak Power Output		
Test Mode	Mode 3: Tx-AD2037320910LF-BF Mode		
Date of Test	2017/01/15	Test Site	SR10-H

IEEE 802.11n40 (ANT 0+1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	16.52	≦28.8
6	2437	19.62	≦28.8
9	2452	16.44	≦28.8

The worst emission of data rate is 13.5 Mbps.

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		13.5	27	40.5	54	81	108	121.5	135	
3	2422	16.52	--	--	--	--	--	--	--	≦28.8
6	2437	19.62	19.42	19.31	19.21	19.09	18.85	18.73	18.49	≦28.8
9	2452	16.44	--	--	--	--	--	--	--	≦28.8

Note:
Directional Antenna=10log(N)+Max Gain+ Beamforming Gain=7.2dBi
Required Limit=30dBm-(7.2dBi-6dB)=28.8 dBm

4. Radiated Emission

4.1. Test Equipment

The following test equipments are used during the test:

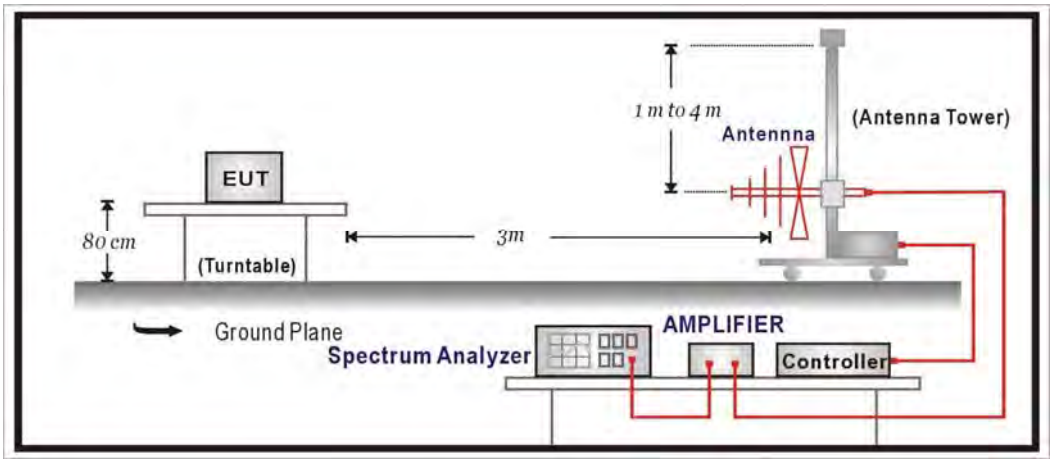
Radiated Emission / CB4-H

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	2017/01/26
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	2018/01/05

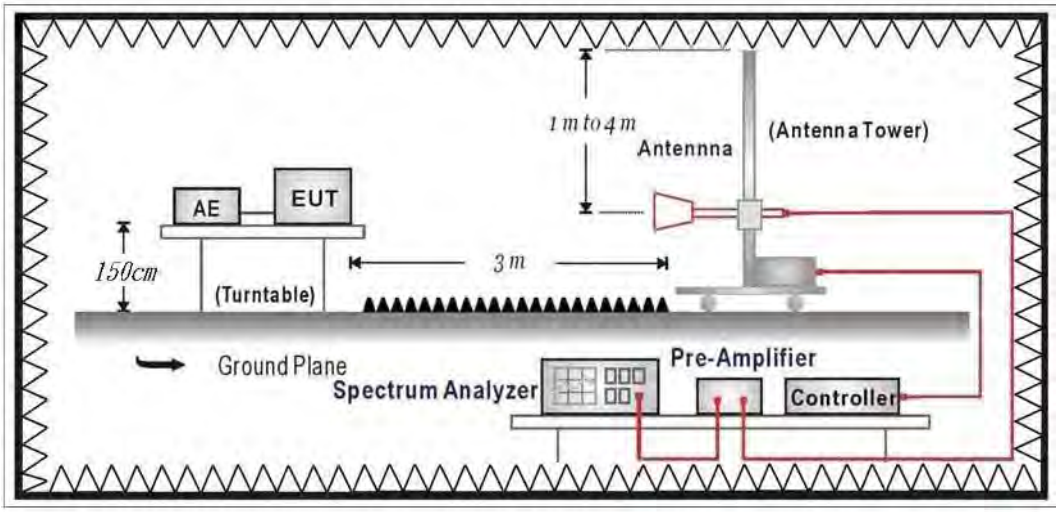
Note: All equipments that need to calibrate are with calibration period of 1 year.

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	dBuV/m	dBuV/m
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

Remarks: E field strength (dBuV/m) = 20 log E field strength (uV/m)

4.4. Test Procedure

The EUT was setup according to ANSI C63.10:2013 and tested according to DTS test procedure of KDB558074 v03r05 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(under 1GHz) or 1.5 meter above ground (above 1GHz). 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 on radiated measurement.
On any frequency or frequencies below or equal to 1000 MHz, the limits shown are based on measuring equipment employing a quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limits shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.
The bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz.

4.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2015

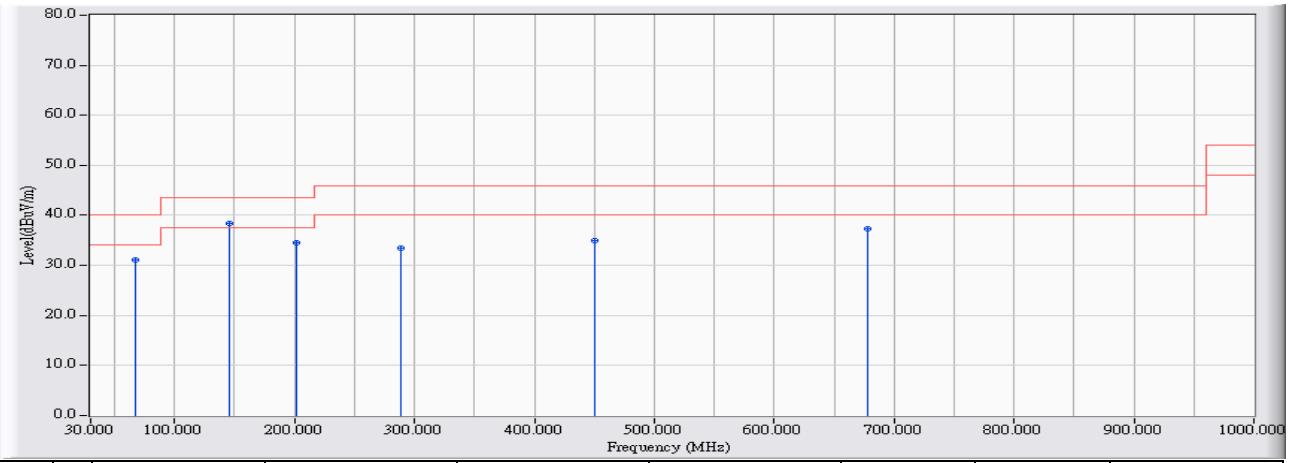
4.6. Uncertainty

The measurement uncertainty
30MHz～1GHz as ±3.43dB
1GHz～26.5Ghz as ±3.65dB

4.7. Test Result

30MHz-1GHz Spurious

Site : CB4-H	**Time : 2017/01/20**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11b_2437MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

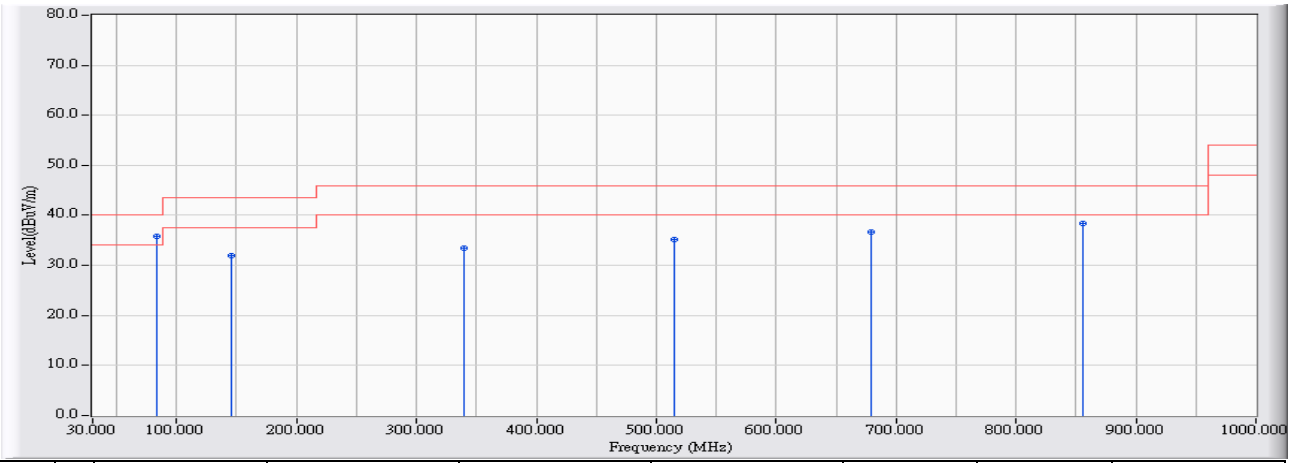


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		67.923	17.140	14.031	31.171	-8.829	40.000	QUASIPEAK
2	*	145.224	22.600	15.889	38.489	-5.011	43.500	QUASIPEAK
3		202.158	20.952	13.668	34.620	-8.880	43.500	QUASIPEAK
4		288.867	23.984	9.471	33.455	-12.545	46.000	QUASIPEAK
5		449.968	27.640	7.266	34.906	-11.094	46.000	QUASIPEAK
6		678.283	29.710	7.511	37.221	-8.779	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 : 2017/01/20**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11b_2437MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

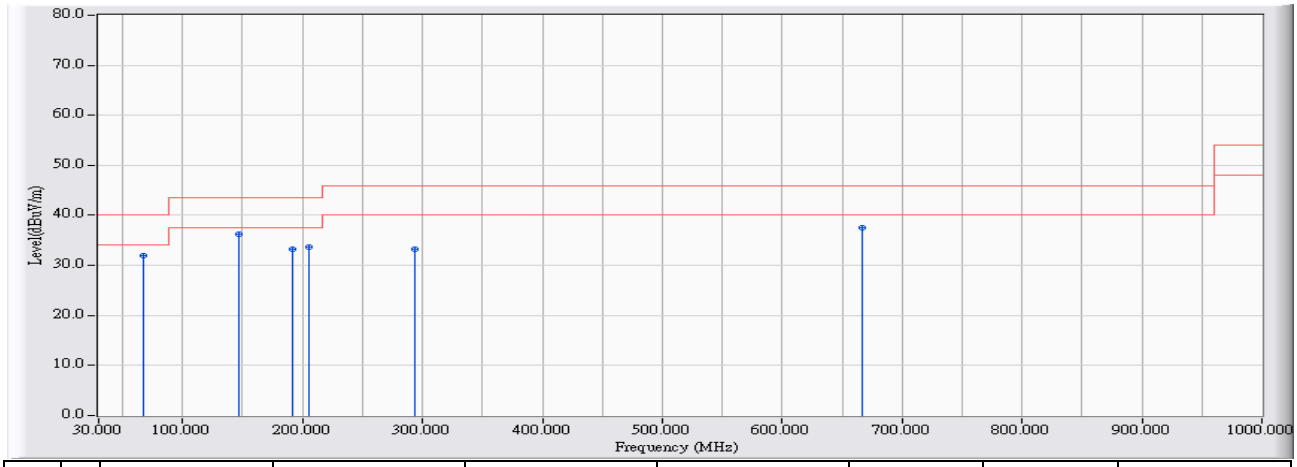


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	83.345	18.575	17.291	35.866	-4.134	40.000	QUASIPEAK
2		145.224	22.600	9.367	31.967	-11.533	43.500	QUASIPEAK
3		340.175	25.265	8.287	33.552	-12.448	46.000	QUASIPEAK
4		515.339	28.478	6.768	35.246	-10.754	46.000	QUASIPEAK
5		678.865	29.713	6.979	36.692	-9.308	46.000	QUASIPEAK
6		855.872	31.243	7.207	38.450	-7.550	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 : 2017/01/20**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11g_2437MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

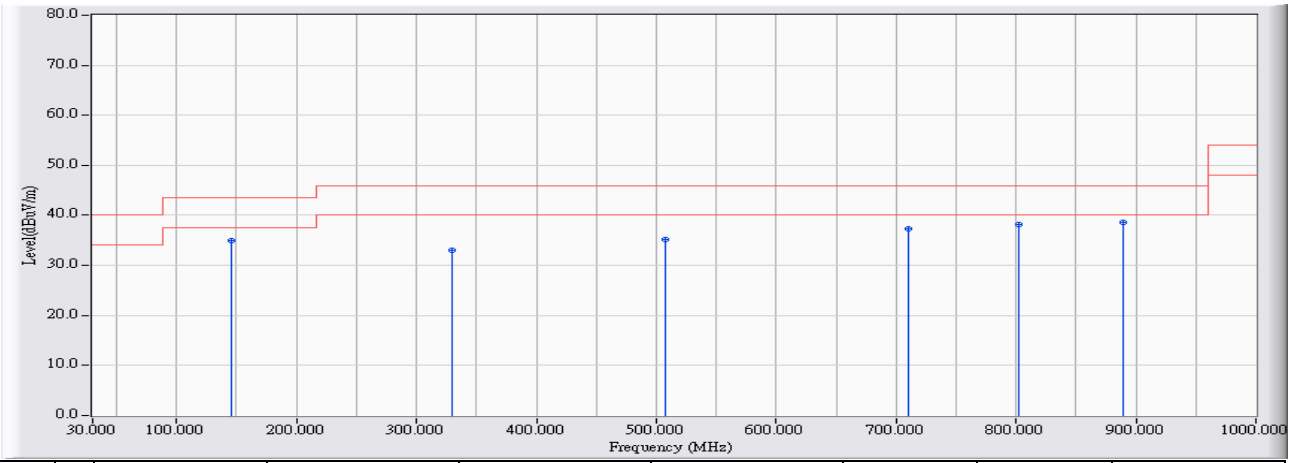


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		67.341	17.140	14.726	31.866	-8.134	40.000	QUASIPEAK
2	*	146.873	22.493	13.651	36.144	-7.356	43.500	QUASIPEAK
3		191.295	20.579	12.712	33.291	-10.209	43.500	QUASIPEAK
4		204.777	21.088	12.546	33.634	-9.866	43.500	QUASIPEAK
5		293.038	24.043	9.201	33.244	-12.756	46.000	QUASIPEAK
6		666.159	29.637	7.873	37.510	-8.490	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 : 2017/01/20**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11g_2437MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

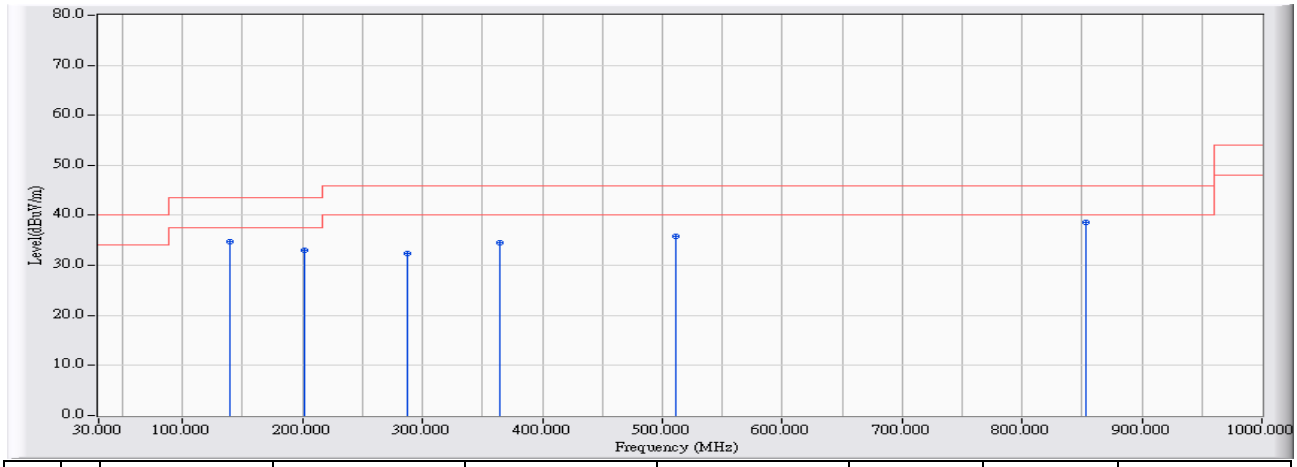


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		145.224	22.600	12.292	34.892	-8.608	43.500	QUASIPEAK
2		329.797	24.974	8.148	33.122	-12.878	46.000	QUASIPEAK
3		508.065	28.413	6.673	35.086	-10.914	46.000	QUASIPEAK
4		710.290	29.933	7.285	37.218	-8.782	46.000	QUASIPEAK
5		802.722	30.764	7.452	38.216	-7.784	46.000	QUASIPEAK
6	*	888.946	31.541	7.150	38.691	-7.309	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 : 2017/01/20**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(20M)_2437MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

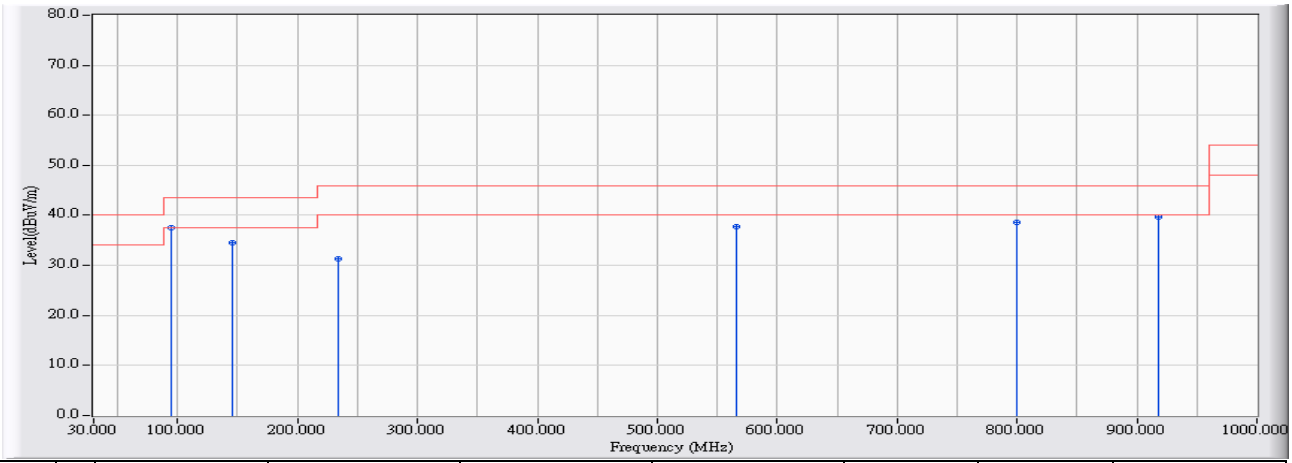


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		139.114	22.967	11.714	34.681	-8.819	43.500	QUASIPEAK
2		202.158	20.952	12.092	33.044	-10.456	43.500	QUASIPEAK
3		287.315	23.962	8.442	32.404	-13.596	46.000	QUASIPEAK
4		365.101	25.963	8.594	34.557	-11.443	46.000	QUASIPEAK
5		511.072	28.440	7.374	35.814	-10.186	46.000	QUASIPEAK
6	*	853.157	31.218	7.388	38.606	-7.394	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 : 2017/01/20**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(20M)_2437MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

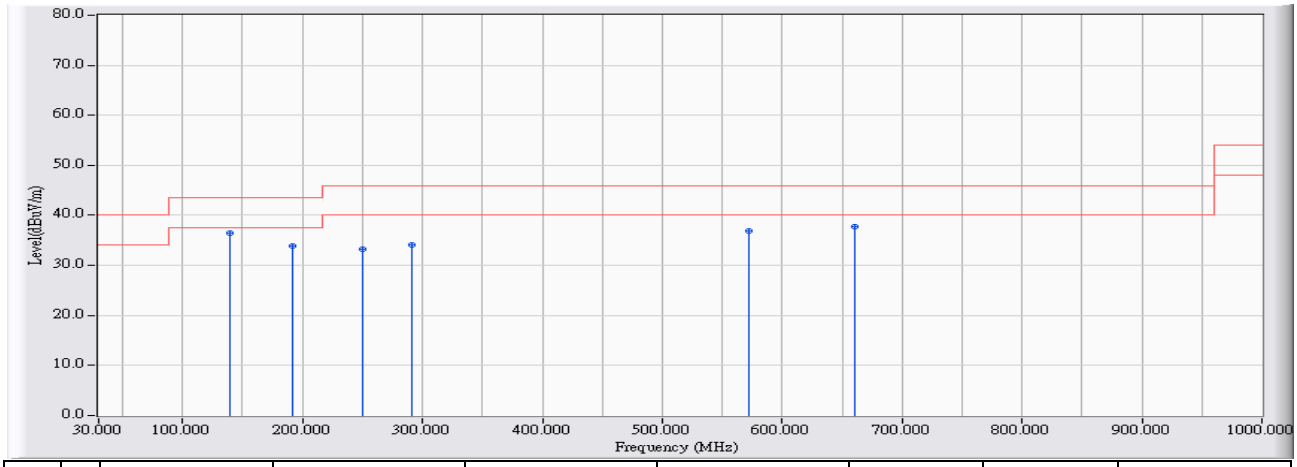


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	94.402	20.408	17.038	37.446	-6.054	43.500	QUASIPEAK
2		145.321	22.594	11.977	34.571	-8.929	43.500	QUASIPEAK
3		234.165	22.617	8.666	31.283	-14.717	46.000	QUASIPEAK
4		566.065	28.935	8.812	37.747	-8.253	46.000	QUASIPEAK
5		800.200	30.742	7.866	38.608	-7.392	46.000	QUASIPEAK
6		917.752	31.853	7.779	39.632	-6.368	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 : 2017/01/20**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2437MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

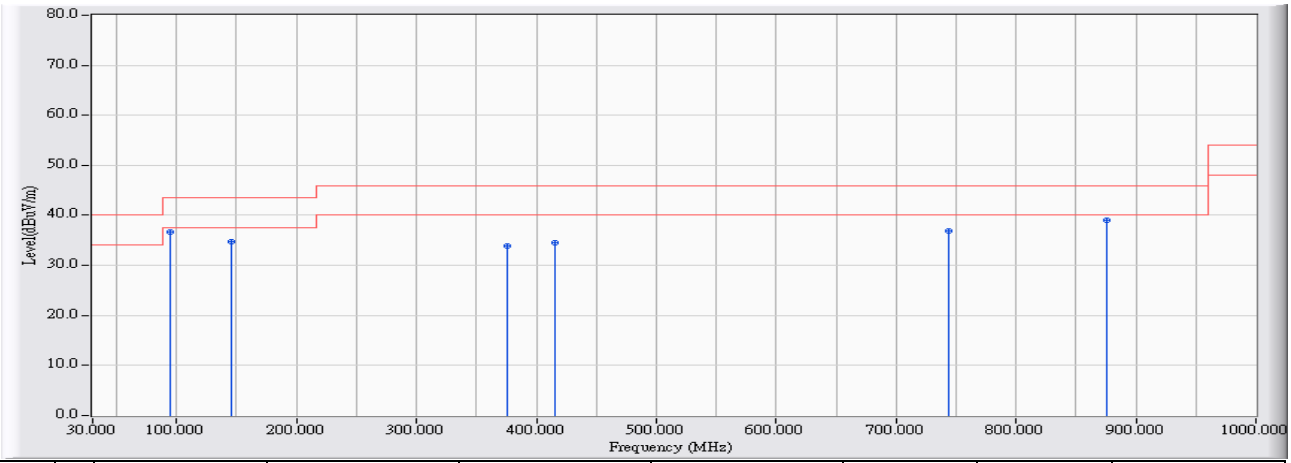


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	139.211	22.964	13.414	36.378	-7.122	43.500	QUASIPEAK
2		191.295	20.579	13.249	33.828	-9.672	43.500	QUASIPEAK
3		249.974	23.433	9.757	33.190	-12.810	46.000	QUASIPEAK
4		290.807	24.011	10.167	34.178	-11.822	46.000	QUASIPEAK
5		572.758	28.995	7.919	36.914	-9.086	46.000	QUASIPEAK
6		660.631	29.604	8.064	37.668	-8.332	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 : 2017/01/20**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2437MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

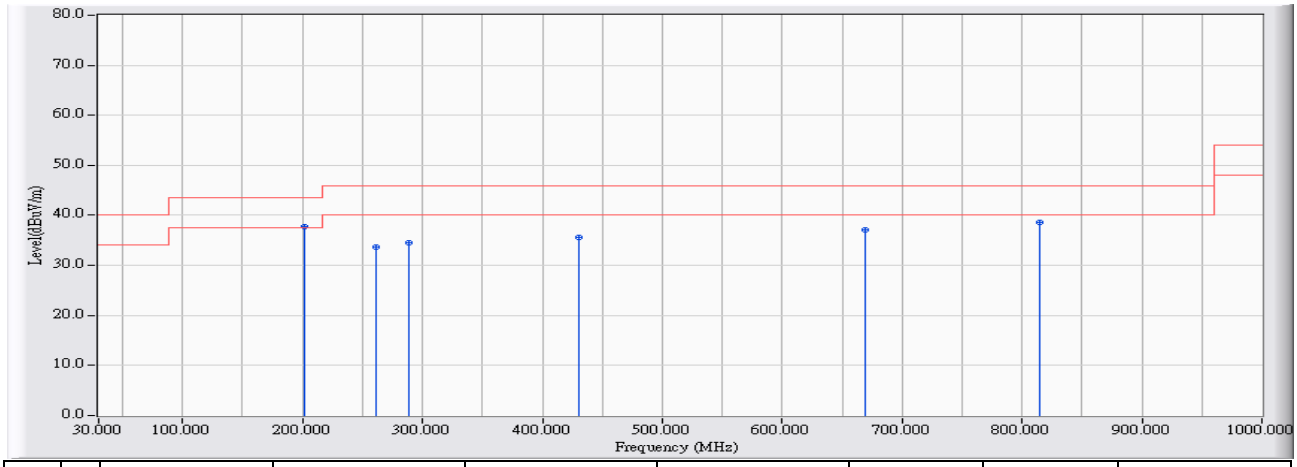


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	94.402	20.408	16.272	36.680	-6.820	43.500	QUASIPEAK
2		145.224	22.600	12.125	34.725	-8.775	43.500	QUASIPEAK
3		375.285	26.248	7.608	33.856	-12.144	46.000	QUASIPEAK
4		415.342	27.155	7.371	34.526	-11.474	46.000	QUASIPEAK
5		743.267	30.229	6.612	36.841	-9.159	46.000	QUASIPEAK
6		875.367	31.418	7.622	39.040	-6.960	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 : 2017/01/22**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2437MHz Mode 2: Tx-W12-010N3A-CDD Mode**

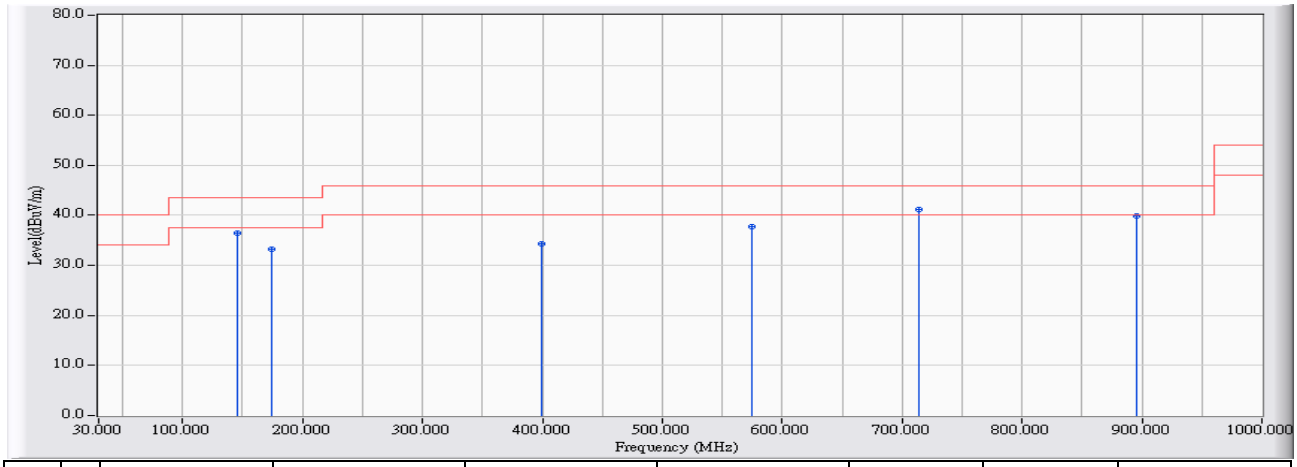


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	202.158	20.952	16.717	37.669	-5.831	43.500	QUASIPEAK
2		260.934	23.593	10.025	33.618	-12.382	46.000	QUASIPEAK
3		288.770	23.983	10.458	34.441	-11.559	46.000	QUASIPEAK
4		430.958	27.373	8.262	35.635	-10.365	46.000	QUASIPEAK
5		668.875	29.653	7.556	37.209	-8.791	46.000	QUASIPEAK
6		814.264	30.868	7.731	38.599	-7.401	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 : 2017/01/22 - 15:10**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2437MHz Mode 2: Tx-W12-010N3A-CDD Mode**



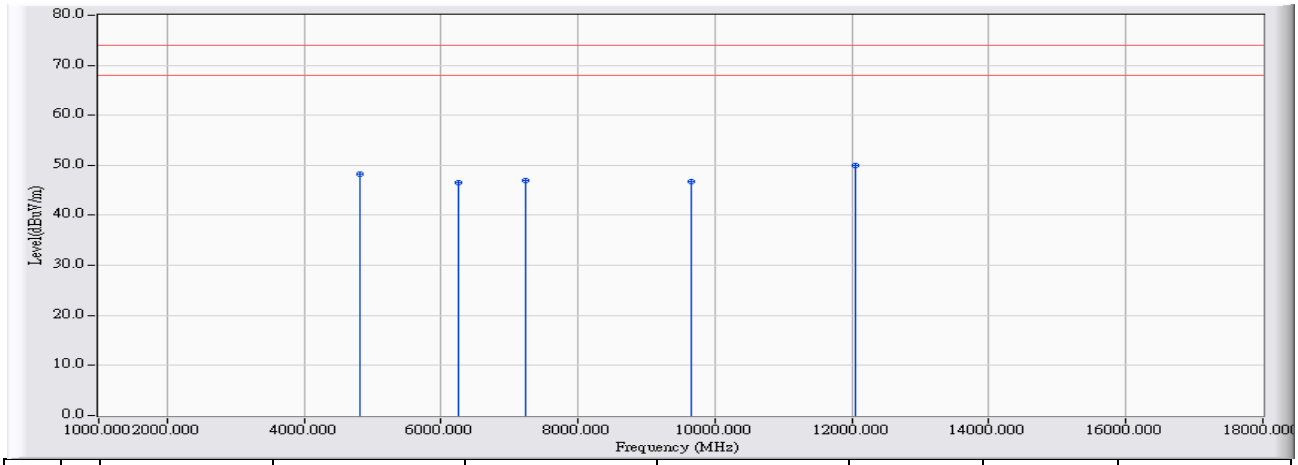
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		145.224	22.600	13.829	36.429	-7.071	43.500	QUASIPEAK
2		174.225	20.644	12.651	33.295	-10.205	43.500	QUASIPEAK
3		399.630	26.929	7.442	34.371	-11.629	46.000	QUASIPEAK
4		574.795	29.013	8.707	37.720	-8.280	46.000	QUASIPEAK
5	*	713.976	29.966	11.206	41.172	-4.828	46.000	QUASIPEAK
6		895.541	31.600	8.239	39.839	-6.161	46.000	QUASIPEAK

Note:

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

Above 1GHz Spurious

Site : CB4-H	**Time : 2016/12/16**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11b_2412MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

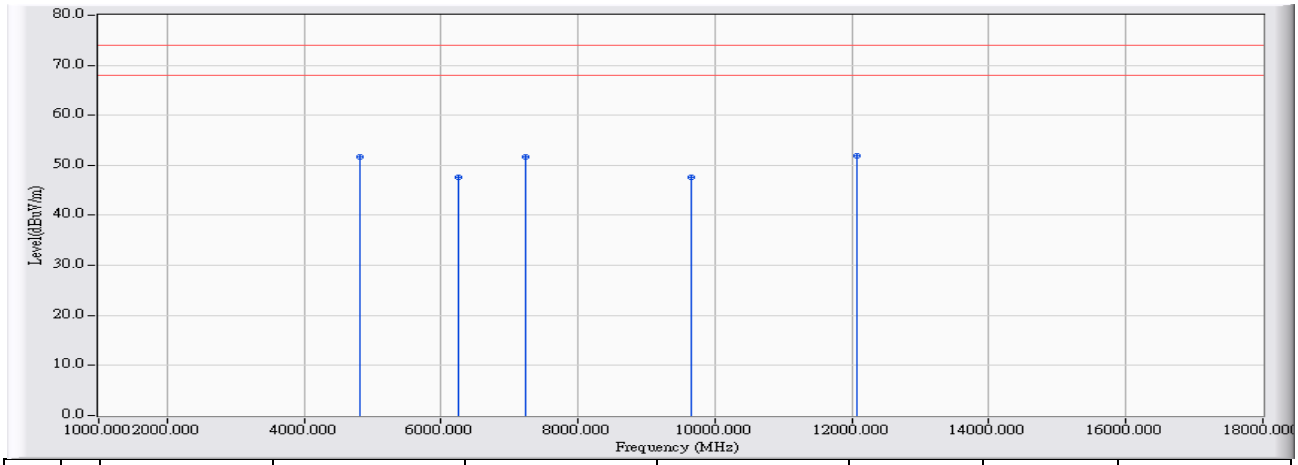


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4824.000	-0.326	48.620	48.294	-25.706	74.000	PEAK
2		6250.000	3.445	43.000	46.445	-27.555	74.000	PEAK
3		7237.000	7.185	39.820	47.005	-26.995	74.000	PEAK
4		9645.695	12.118	34.620	46.738	-27.262	74.000	PEAK
5	*	12056.370	17.101	32.790	49.891	-24.109	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 = 3 MHz, 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 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2016/12/16**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11b_2412MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

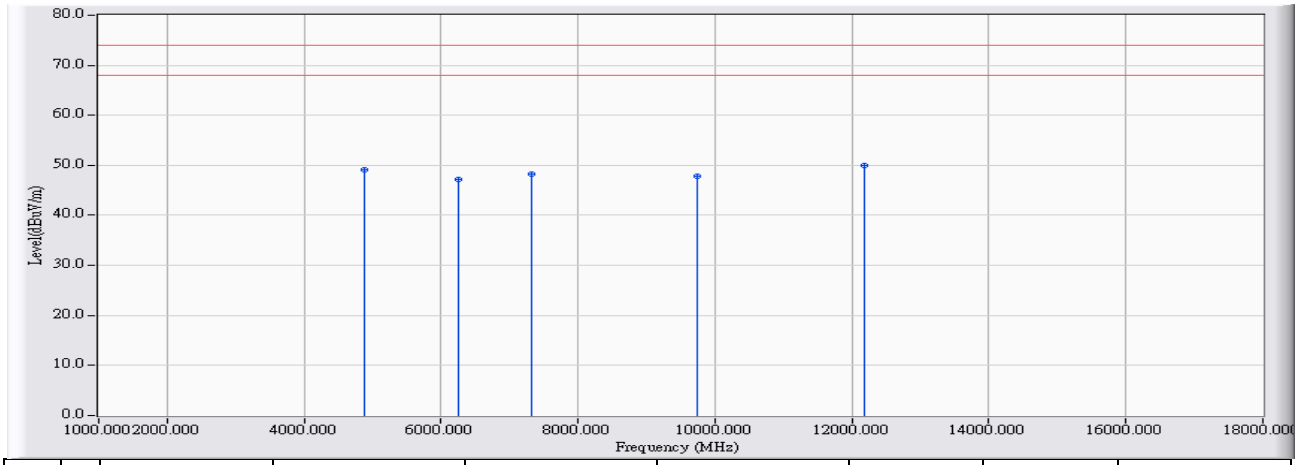


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4824.145	-0.326	52.070	51.744	-22.256	74.000	PEAK
2		6250.000	3.445	44.260	47.705	-26.295	74.000	PEAK
3		7236.280	7.181	44.430	51.612	-22.388	74.000	PEAK
4		9647.730	12.121	35.500	47.621	-26.379	74.000	PEAK
5	*	12064.530	17.086	34.900	51.986	-22.014	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 = 3 MHz, 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 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2016/12/16**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11b_2437MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

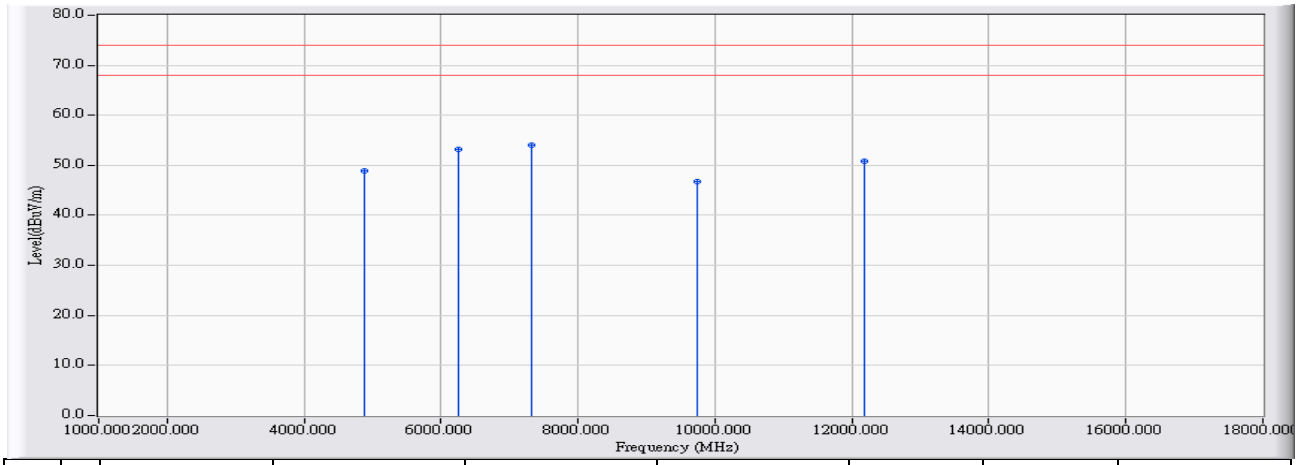


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.000	-0.202	49.290	49.088	-24.912	74.000	PEAK
2		6250.000	3.445	43.750	47.195	-26.805	74.000	PEAK
3		7310.000	7.548	40.630	48.178	-25.822	74.000	PEAK
4		9747.850	12.277	35.610	47.887	-26.113	74.000	PEAK
5	*	12183.900	16.868	33.210	50.078	-23.922	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 = 3 MHz, 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 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2016/12/16**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11b_2437MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

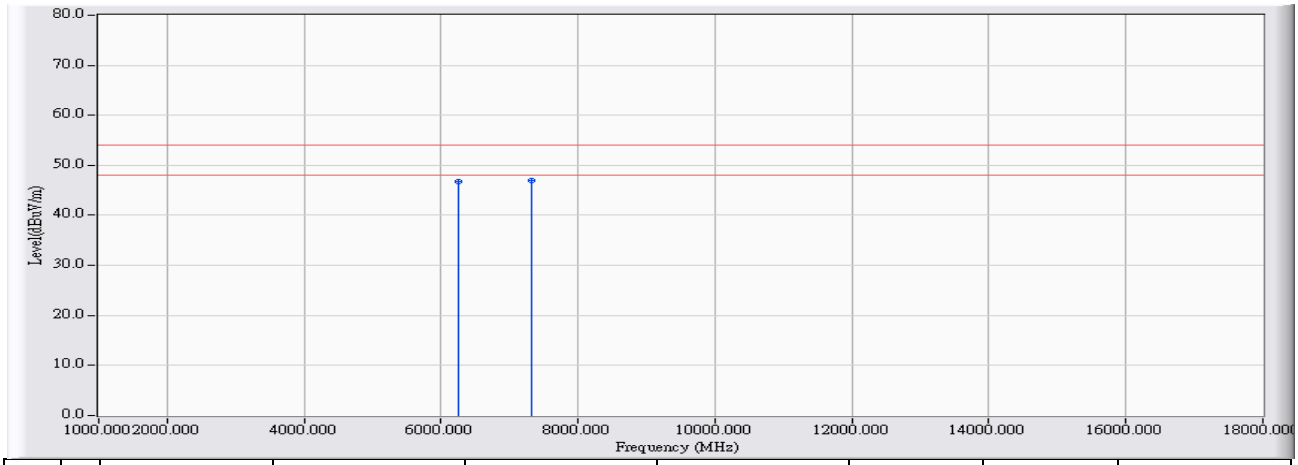


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.155	-0.202	49.020	48.818	-25.182	74.000	PEAK
2		6250.000	3.445	49.740	53.185	-20.815	74.000	PEAK
3	*	7310.000	7.548	46.410	53.958	-20.042	74.000	PEAK
4		9748.000	12.277	34.500	46.777	-27.223	74.000	PEAK
5		12187.030	16.861	34.000	50.862	-23.138	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 = 3 MHz, 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 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2016/12/16**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11b_2437MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

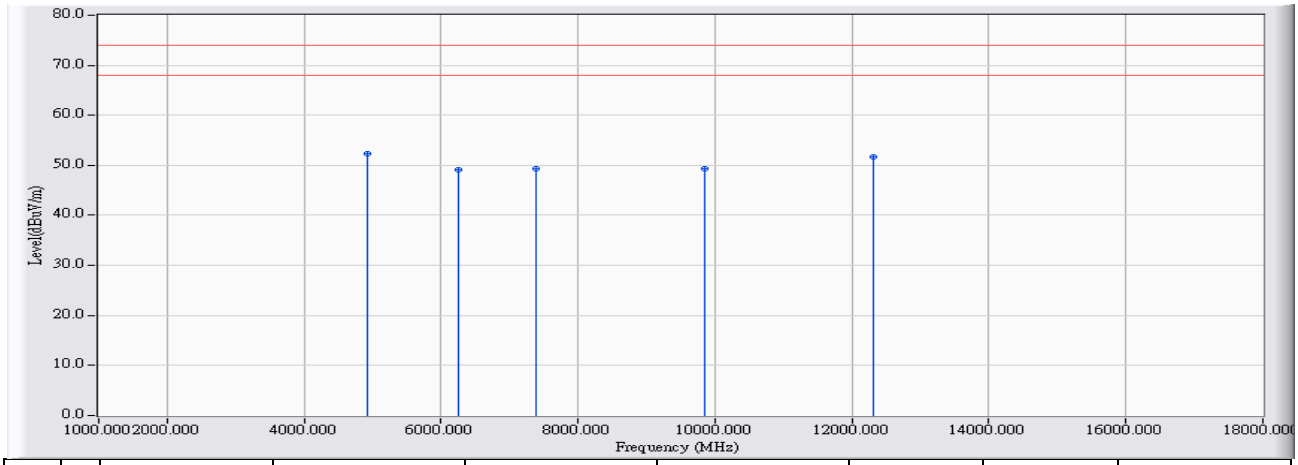


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		6250.000	3.445	43.240	46.685	-7.315	54.000	AVERAGE
2	*	7310.380	7.549	39.470	47.019	-6.981	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2016/12/16**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11b_2462MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

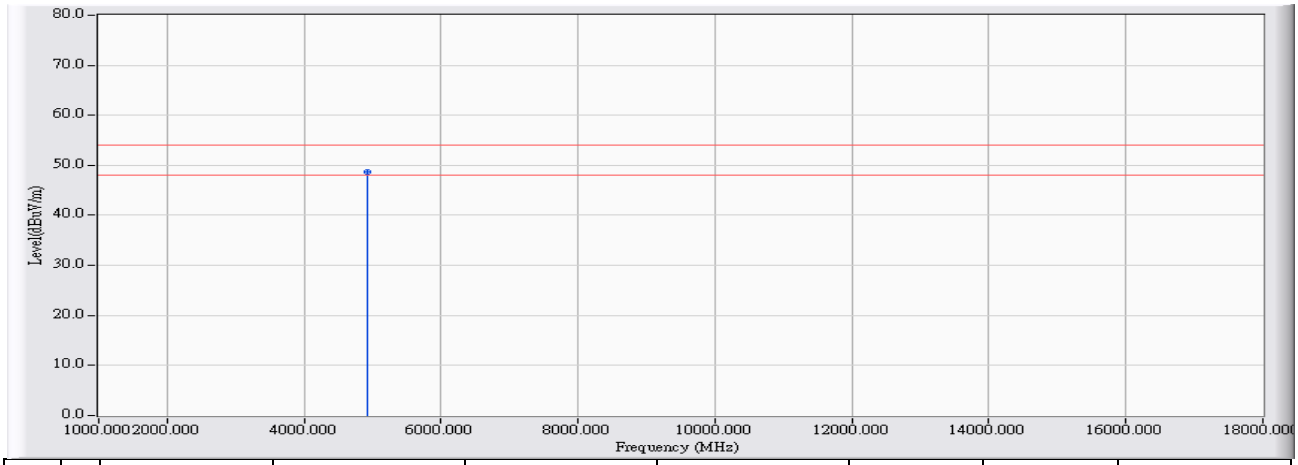


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4924.140	-0.078	52.370	52.292	-21.708	74.000	PEAK
2		6250.000	3.445	45.570	49.015	-24.985	74.000	PEAK
3		7384.630	7.918	41.510	49.428	-24.572	74.000	PEAK
4		9850.000	12.420	36.950	49.370	-24.630	74.000	PEAK
5		12304.100	16.624	34.980	51.603	-22.397	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 = 3 MHz, 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 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2016/12/16**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11b_2462MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

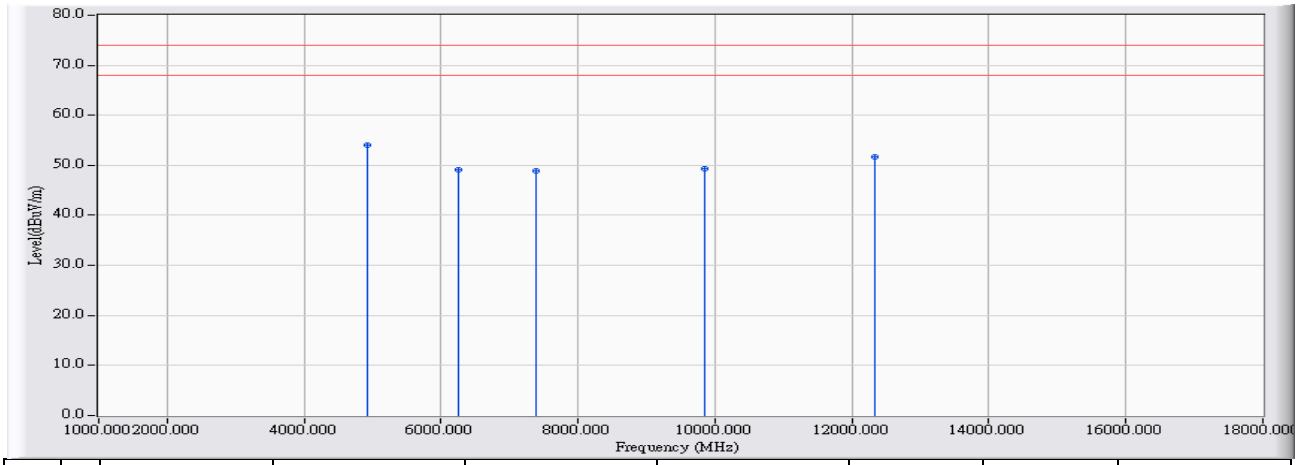


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4924.000	-0.078	48.680	48.602	-5.398	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2016/12/16**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11b_2462MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

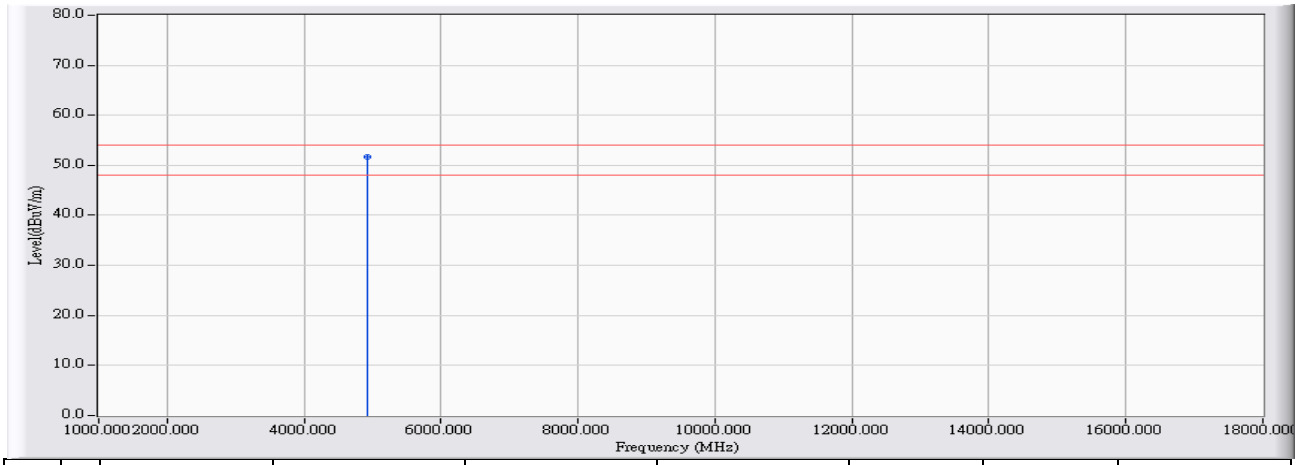


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4924.000	-0.078	54.210	54.132	-19.868	74.000	PEAK
2		6250.000	3.445	45.660	49.105	-24.895	74.000	PEAK
3		7386.184	7.925	40.930	48.855	-25.145	74.000	PEAK
4		9848.184	12.418	36.970	49.387	-24.613	74.000	PEAK
5		12331.784	16.563	35.100	51.663	-22.337	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 = 3 MHz, 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 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2016/12/16**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11b_2462MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

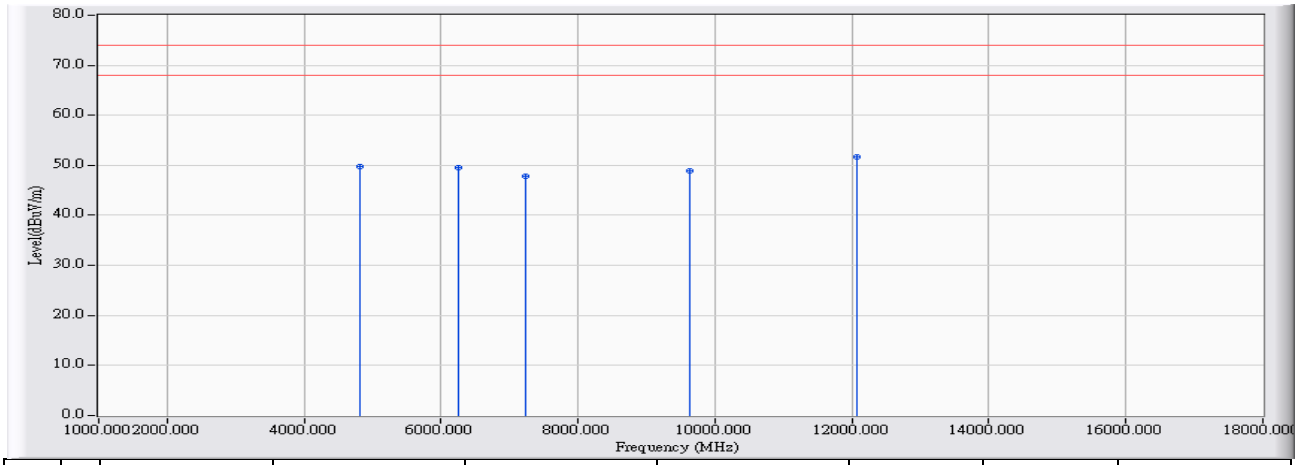


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4924.000	-0.078	51.820	51.742	-2.258	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2016/12/16**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11g_2412MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

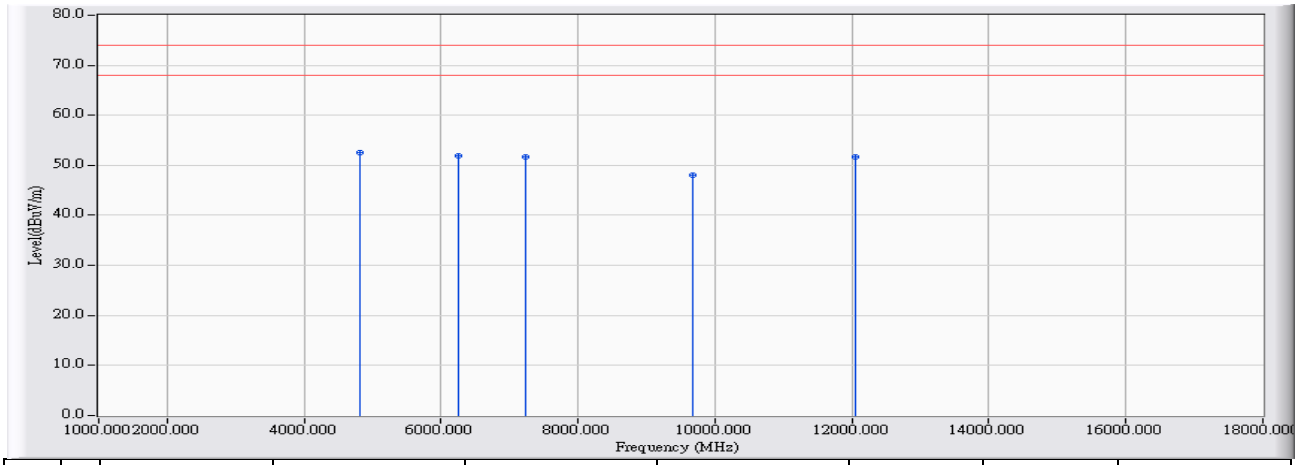


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4824.925	-0.324	50.080	49.756	-24.244	74.000	PEAK
2		6250.030	3.445	46.110	49.555	-24.445	74.000	PEAK
3		7229.850	7.150	40.730	47.880	-26.120	74.000	PEAK
4		9633.000	12.096	36.700	48.796	-25.204	74.000	PEAK
5	*	12063.600	17.088	34.700	51.788	-22.212	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 = 3 MHz, 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 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2016/12/16**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11g_2412MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

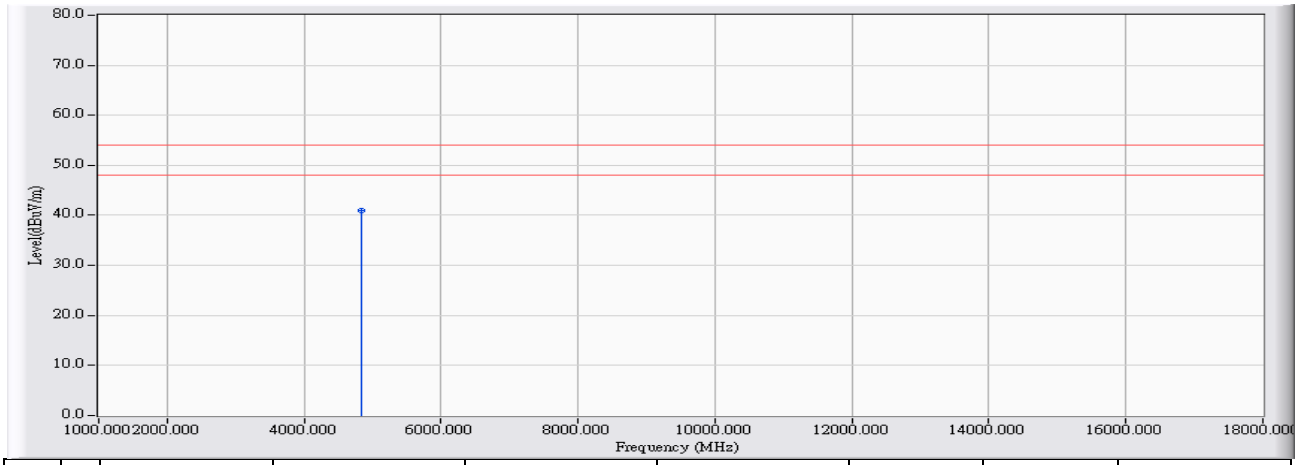


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4824.775	-0.324	52.840	52.515	-21.485	74.000	PEAK
2		6250.010	3.445	48.520	51.965	-22.035	74.000	PEAK
3		7237.825	7.190	44.530	51.720	-22.280	74.000	PEAK
4		9667.000	12.154	35.940	48.094	-25.906	74.000	PEAK
5		12058.025	17.099	34.540	51.638	-22.362	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 = 3 MHz, 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 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2016/12/16**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11g_2412MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

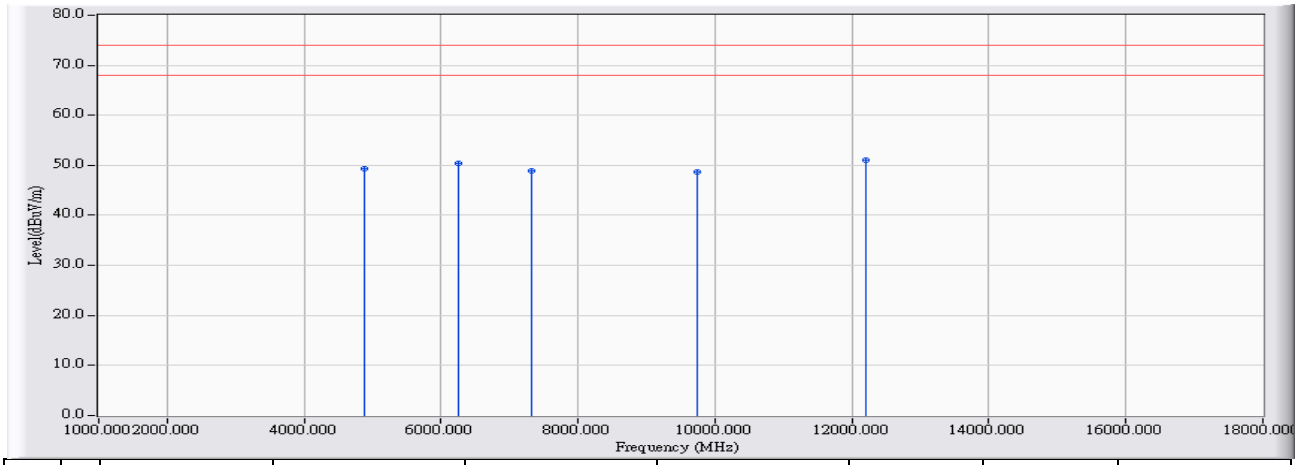


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4825.225	-0.324	41.220	40.897	-13.103	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2016/12/16**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11g_2437MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

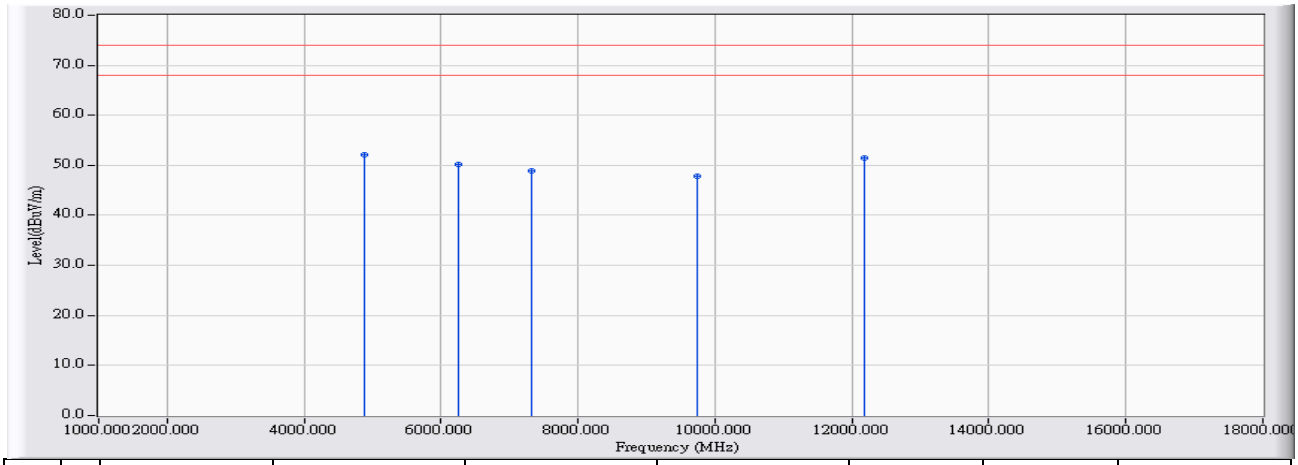


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4872.200	-0.206	49.610	49.403	-24.597	74.000	PEAK
2		6250.011	3.445	46.870	50.315	-23.685	74.000	PEAK
3		7310.075	7.548	41.400	48.948	-25.052	74.000	PEAK
4		9748.560	12.278	36.340	48.618	-25.382	74.000	PEAK
5	*	12192.300	16.853	34.300	51.152	-22.848	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 = 3 MHz, 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 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2016/12/16**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11g_2437MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

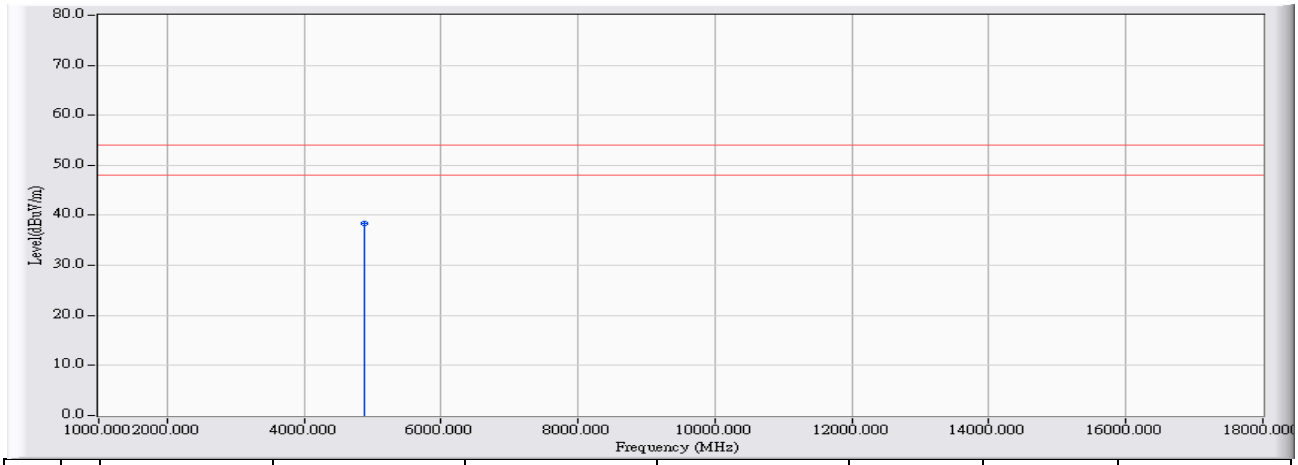


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4875.940	-0.198	52.400	52.202	-21.798	74.000	PEAK
2		6250.110	3.445	46.640	50.086	-23.914	74.000	PEAK
3		7320.490	7.600	41.400	49.000	-25.000	74.000	PEAK
4		9741.697	12.268	35.600	47.868	-26.132	74.000	PEAK
5		12178.200	16.878	34.500	51.379	-22.621	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 = 3 MHz, 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 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2016/12/16**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11g_2437MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

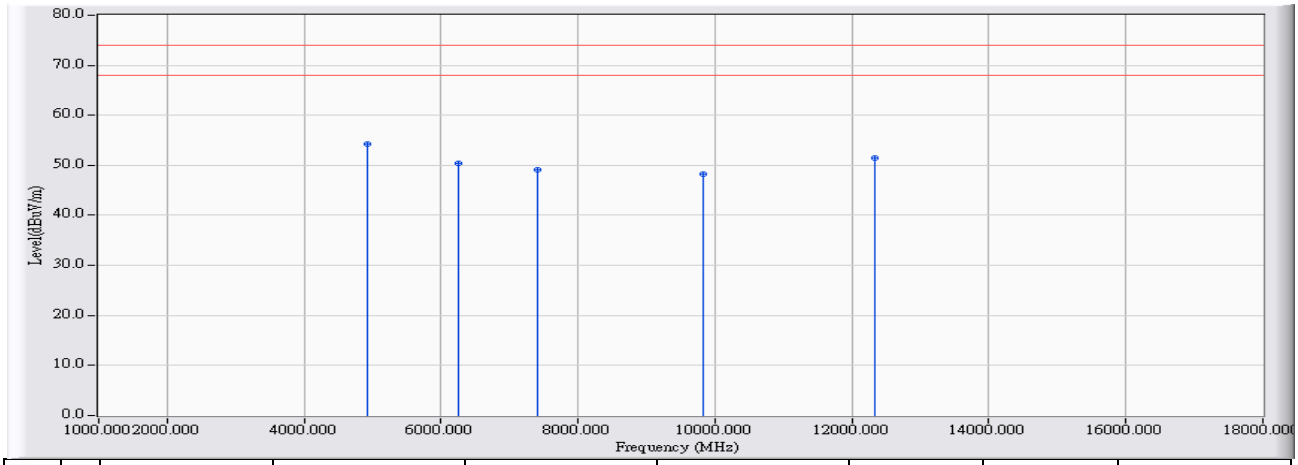


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4876.130	-0.198	38.510	38.313	-15.687	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2016/12/16**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11g_2462MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

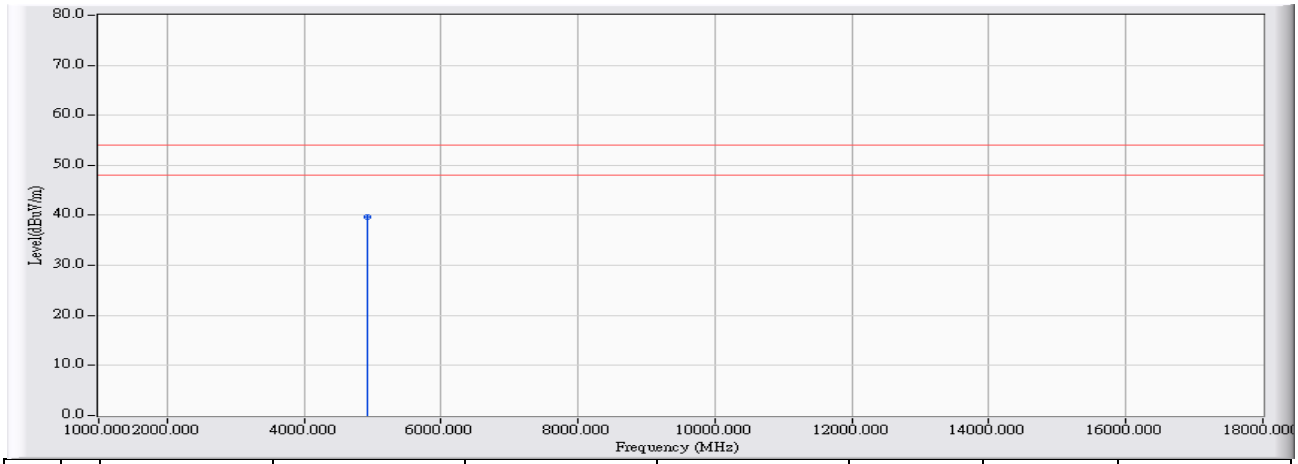


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4916.750	-0.096	54.360	54.264	-19.736	74.000	PEAK
2		6250.750	3.449	46.930	50.379	-23.621	74.000	PEAK
3		7405.600	8.023	41.120	49.143	-24.857	74.000	PEAK
4		9837.370	12.402	35.950	48.352	-25.648	74.000	PEAK
5		12330.775	16.566	34.910	51.476	-22.524	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 = 3 MHz, 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 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2016/12/16**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11g_2462MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

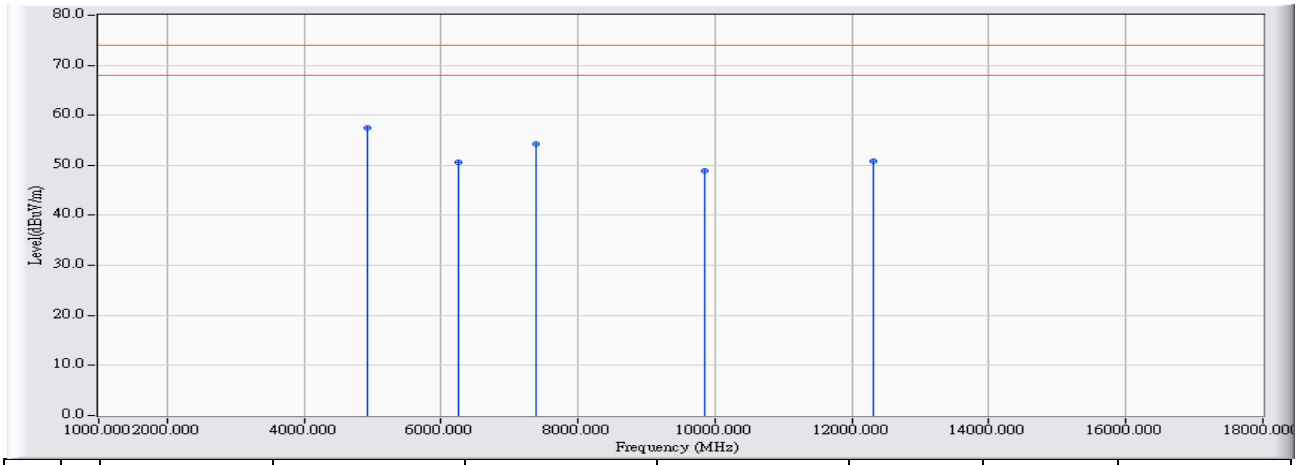


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4922.125	-0.083	39.660	39.577	-14.423	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2016/12/16**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11g_2462MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

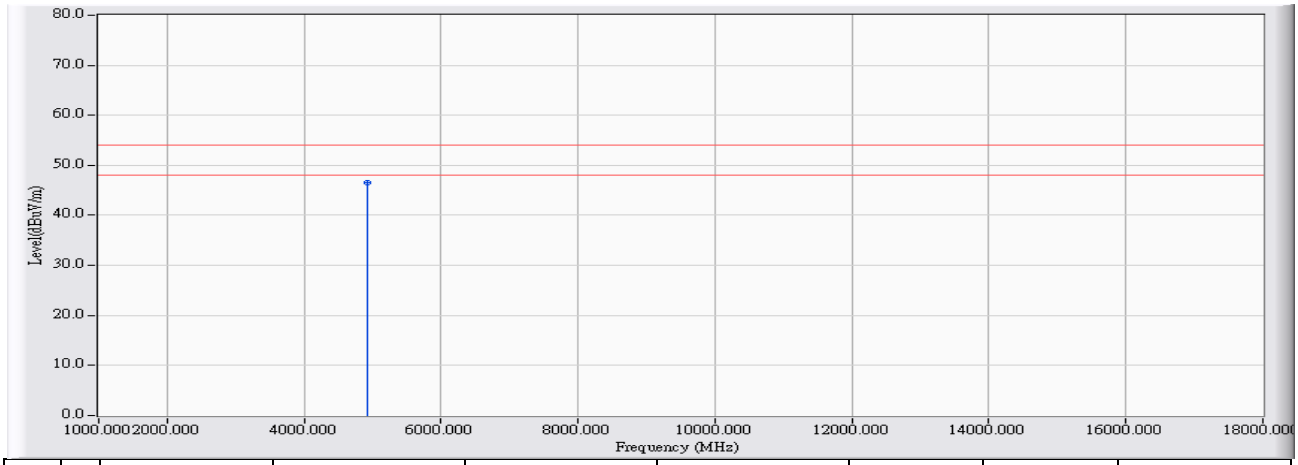


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4916.900	-0.096	57.660	57.564	-16.436	74.000	PEAK
2		6250.120	3.445	47.130	50.576	-23.424	74.000	PEAK
3		7390.525	7.947	46.260	54.207	-19.793	74.000	PEAK
4		9843.780	12.412	36.440	48.851	-25.149	74.000	PEAK
5		12307.260	16.616	34.270	50.886	-23.114	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 = 3 MHz, 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 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2016/12/16**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11g_2462MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

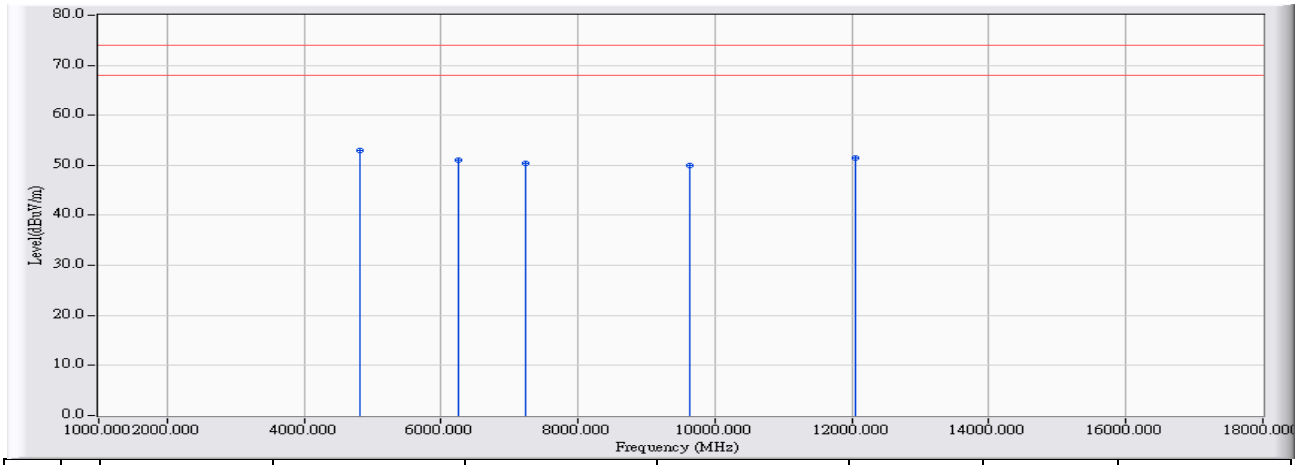


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4922.350	-0.082	46.640	46.557	-7.443	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2016/12/17**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(20M)_2412MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

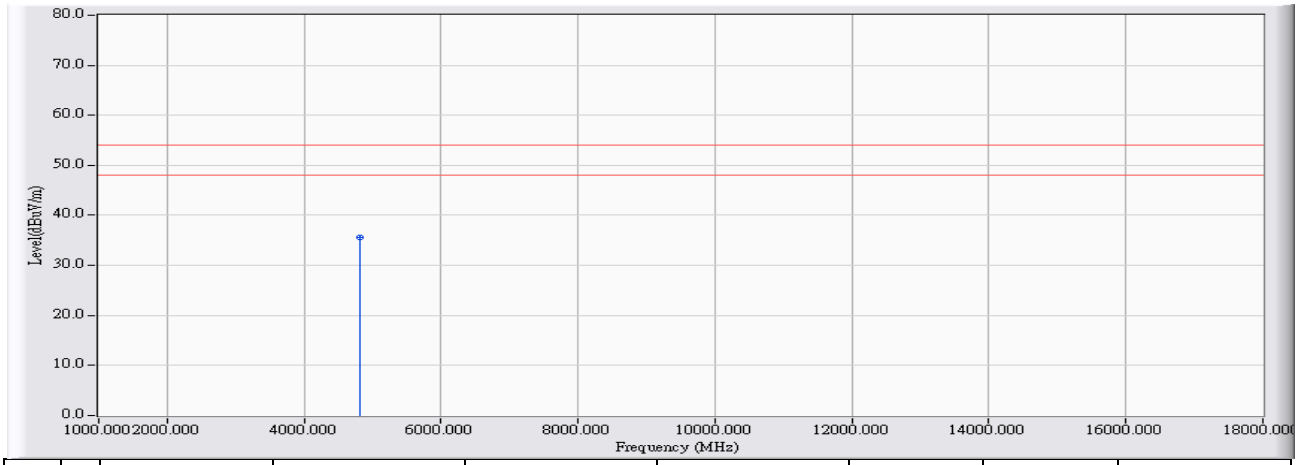


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4816.040	-0.347	53.410	53.064	-20.936	74.000	PEAK
2		6250.140	3.446	47.500	50.946	-23.054	74.000	PEAK
3		7237.380	7.188	43.110	50.297	-23.703	74.000	PEAK
4		9637.840	12.104	37.790	49.894	-24.106	74.000	PEAK
5		12049.920	17.112	34.420	51.532	-22.468	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 = 3 MHz, 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 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2016/12/17**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(20M)_2412MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

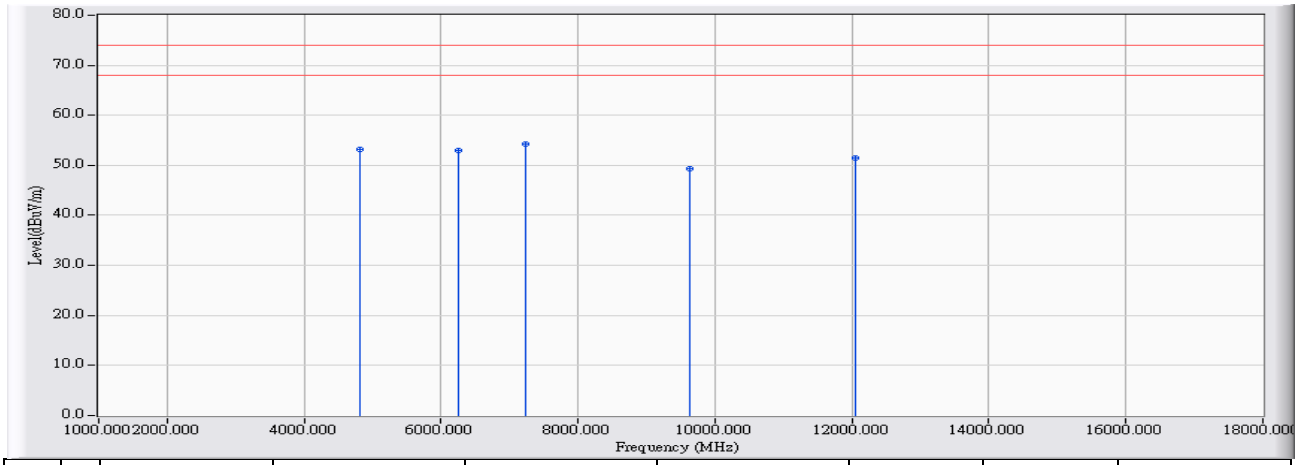


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4823.840	-0.326	36.000	35.673	-18.327	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2016/12/17**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(20M)_2412MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

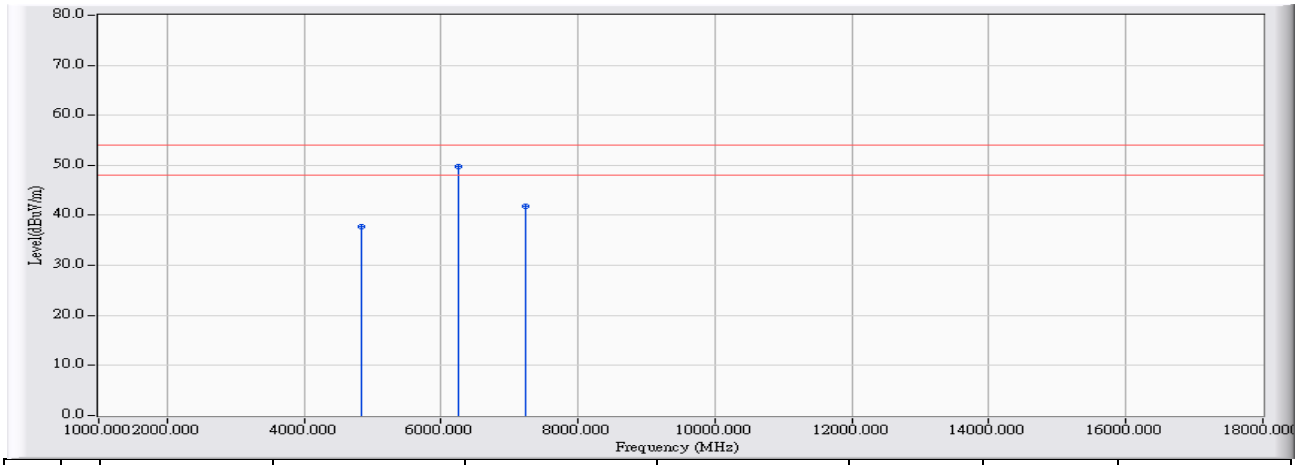


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4816.200	-0.347	53.620	53.274	-20.726	74.000	PEAK
2		6250.100	3.445	49.430	52.876	-21.124	74.000	PEAK
3	*	7231.000	7.155	47.160	54.316	-19.684	74.000	PEAK
4		9638.560	12.105	37.310	49.416	-24.584	74.000	PEAK
5		12059.260	17.096	34.320	51.416	-22.584	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 = 3 MHz, 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 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2016/12/17**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(20M)_2412MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

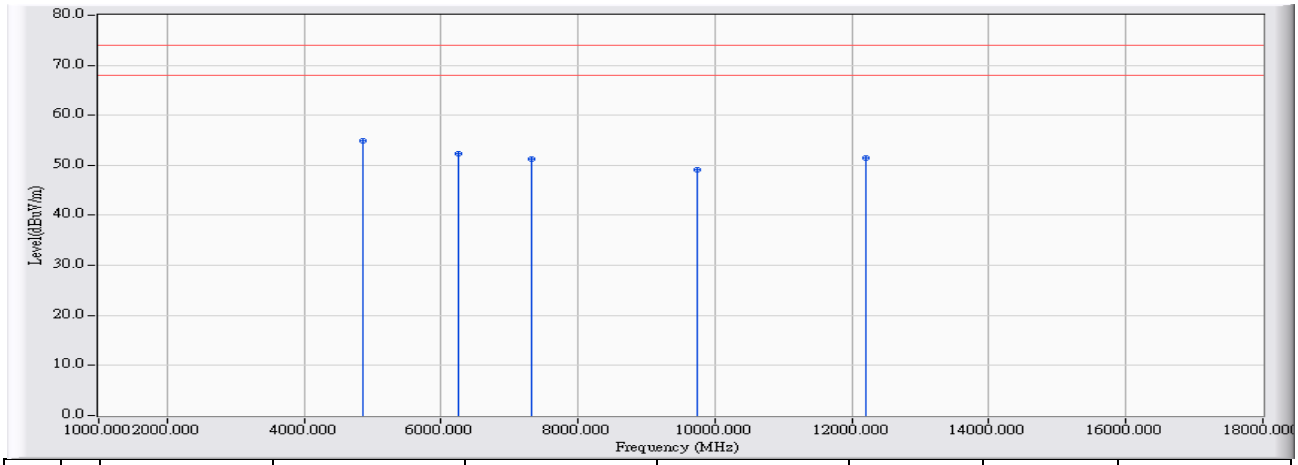


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4829.100	-0.313	37.990	37.676	-16.324	54.000	AVERAGE
2	*	6250.000	3.445	46.270	49.715	-4.285	54.000	AVERAGE
3		7235.100	7.176	34.660	41.836	-12.164	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2016/12/17**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(20M)_2437MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

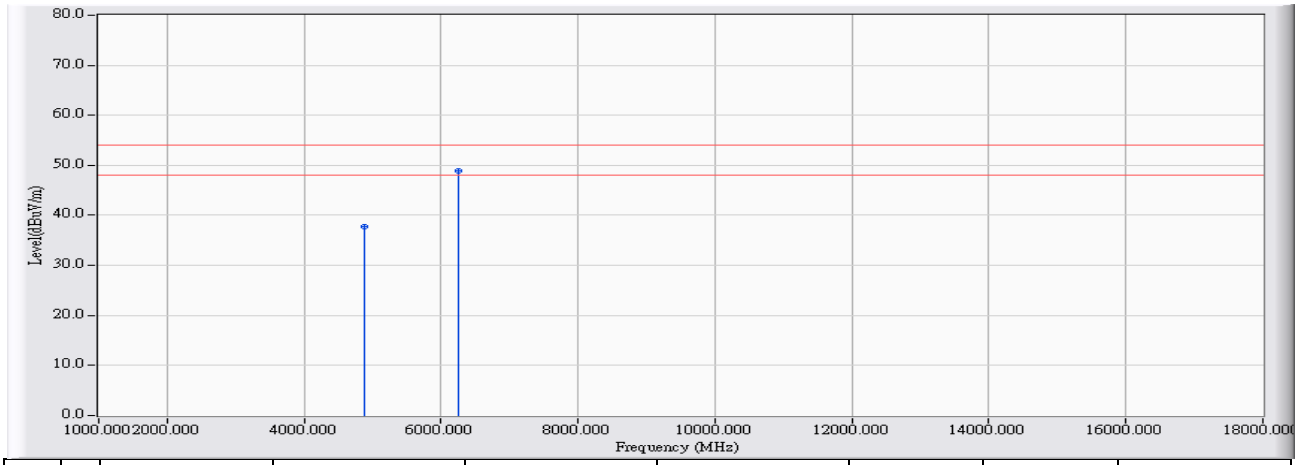


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4866.420	-0.221	55.050	54.829	-19.171	74.000	PEAK
2		6250.200	3.446	48.920	52.366	-21.634	74.000	PEAK
3		7311.040	7.554	43.800	51.353	-22.647	74.000	PEAK
4		9733.700	12.257	36.860	49.117	-24.883	74.000	PEAK
5		12197.200	16.843	34.590	51.433	-22.567	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 = 3 MHz, 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 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2016/12/17**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(20M)_2437MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

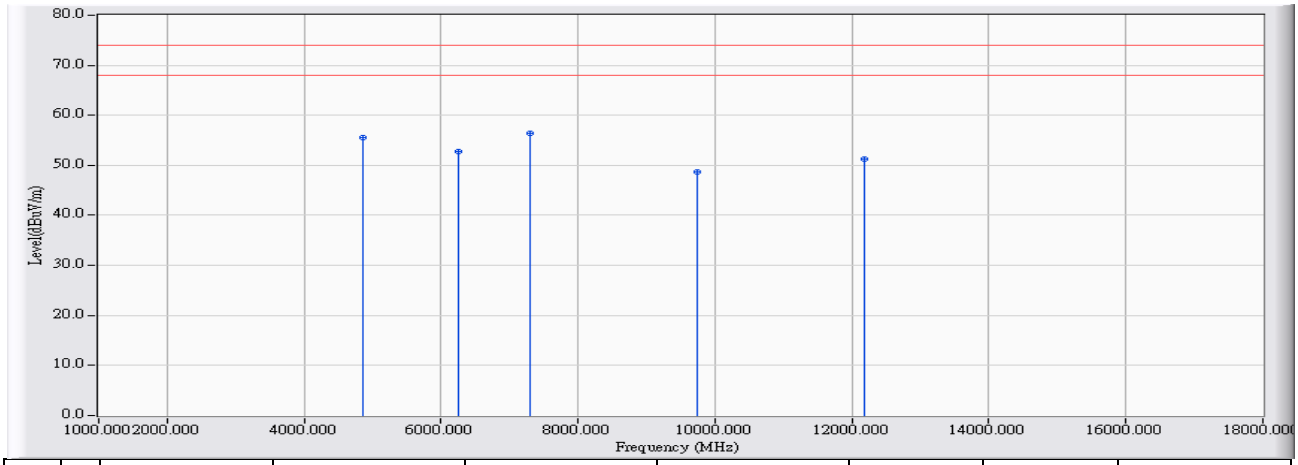


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.000	-0.202	37.900	37.698	-16.302	54.000	AVERAGE
2	*	6250.000	3.445	45.410	48.855	-5.145	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2016/12/17**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(20M)_2437MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

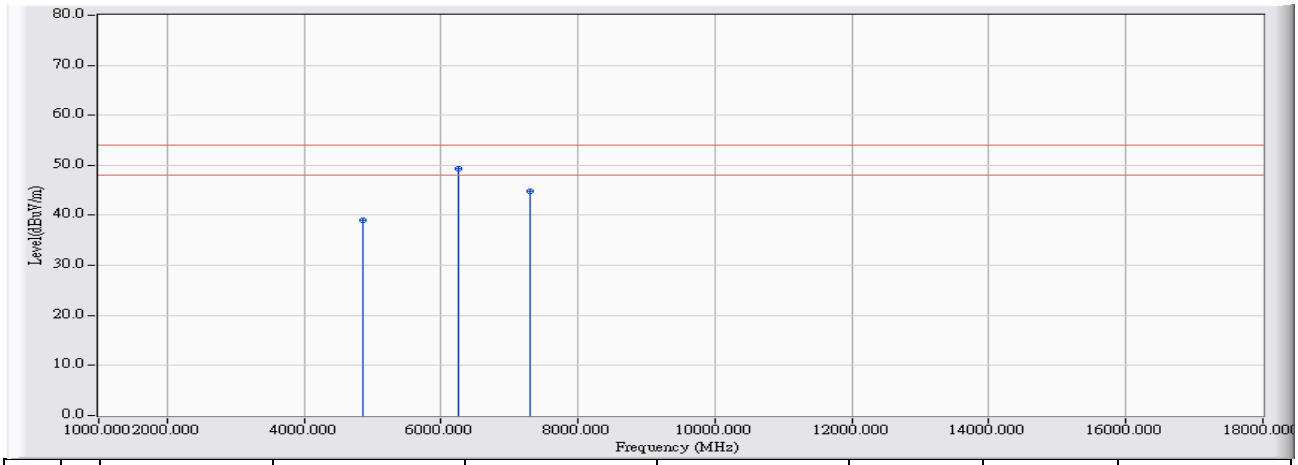


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4865.980	-0.223	55.740	55.518	-18.482	74.000	PEAK
2		6250.260	3.446	49.360	52.806	-21.194	74.000	PEAK
3	*	7307.000	7.532	48.770	56.303	-17.697	74.000	PEAK
4		9748.460	12.278	36.500	48.778	-25.222	74.000	PEAK
5		12186.820	16.862	34.390	51.252	-22.748	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 = 3 MHz, 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 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2016/12/17**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(20M)_2437MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

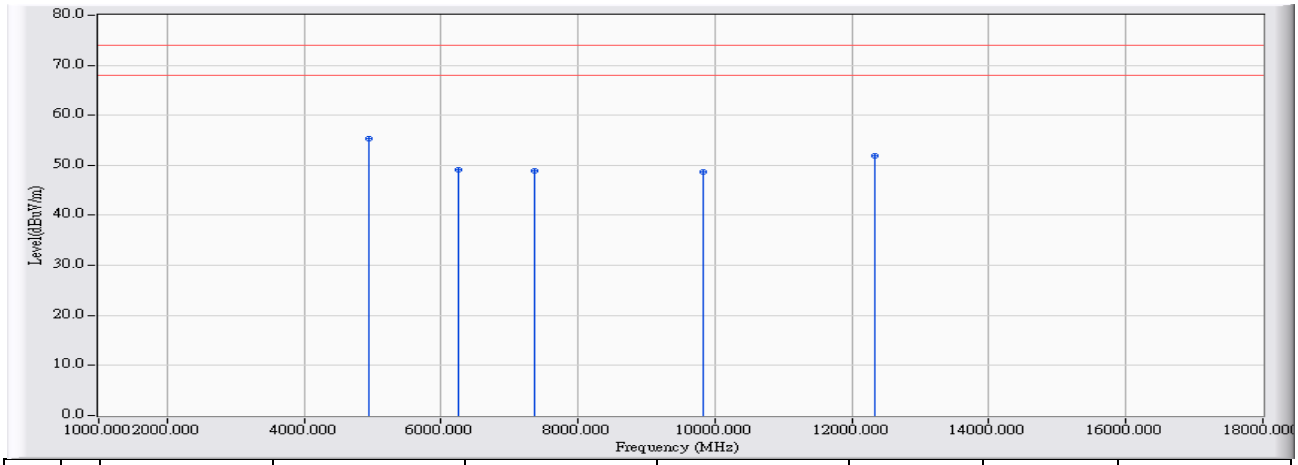


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4865.260	-0.225	39.290	39.066	-14.934	54.000	AVERAGE
2	*	6250.120	3.445	45.910	49.356	-4.644	54.000	AVERAGE
3		7298.180	7.489	37.440	44.929	-9.071	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2016/12/17**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(20M)_2462MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

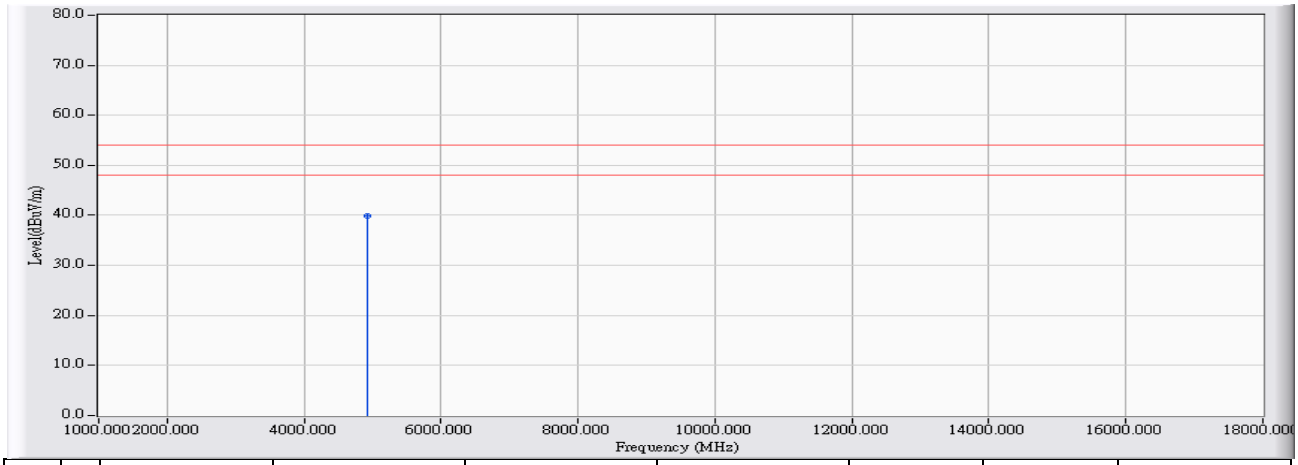


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4934.575	-0.053	55.370	55.318	-18.682	74.000	PEAK
2		6250.075	3.445	45.600	49.045	-24.955	74.000	PEAK
3		7373.075	7.860	40.980	48.840	-25.160	74.000	PEAK
4		9837.450	12.402	36.270	48.672	-25.328	74.000	PEAK
5		12324.900	16.578	35.320	51.898	-22.102	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2016/12/17**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(20M)_2462MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

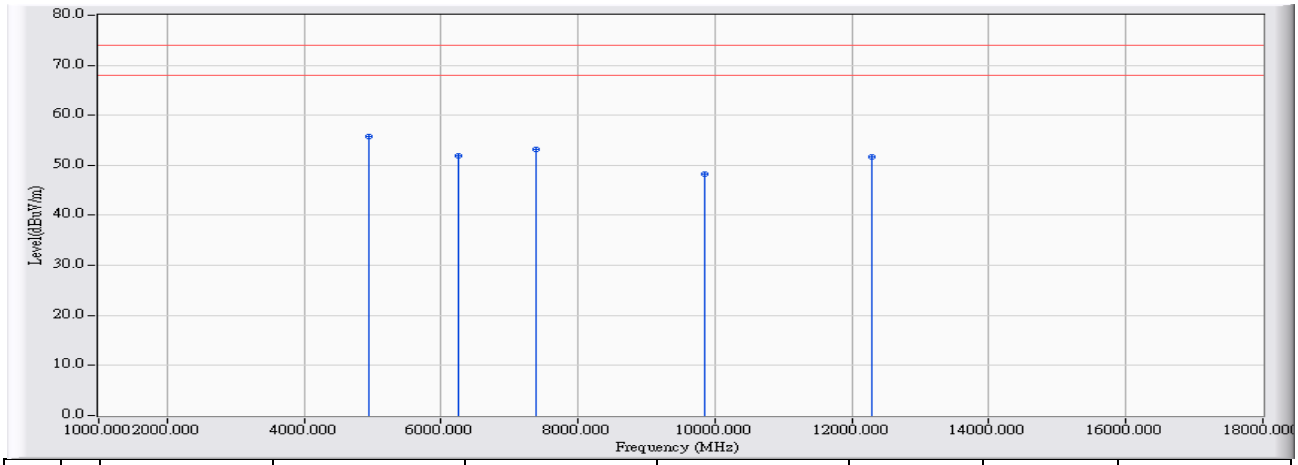


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4920.750	-0.087	39.940	39.853	-14.147	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2016/12/17**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(20M)_2462MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

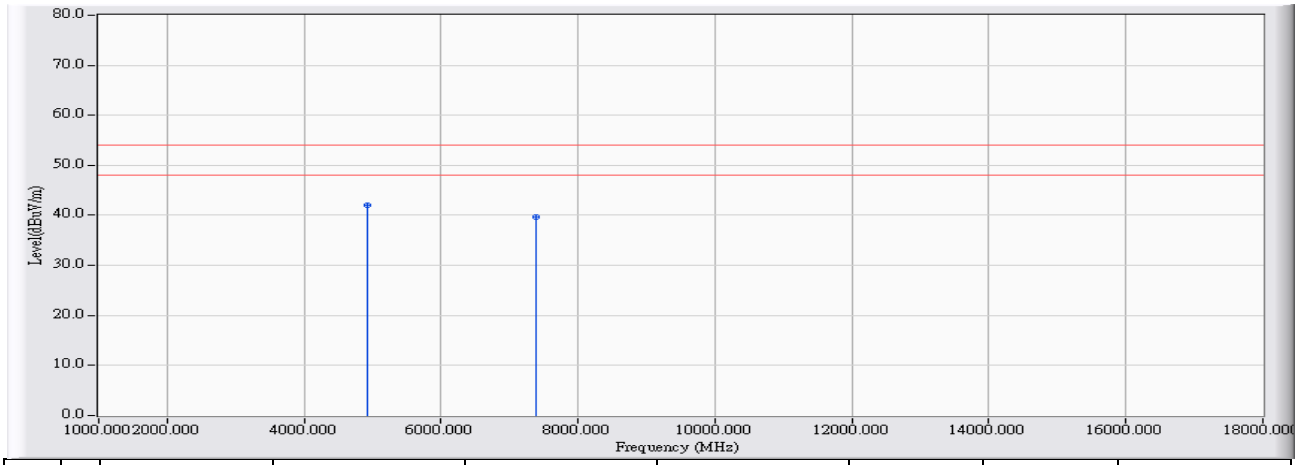


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4934.875	-0.051	55.880	55.829	-18.171	74.000	PEAK
2		6250.050	3.445	48.530	51.975	-22.025	74.000	PEAK
3		7393.150	7.961	45.310	53.270	-20.730	74.000	PEAK
4		9843.470	12.411	35.900	48.311	-25.689	74.000	PEAK
5		12295.650	16.640	34.990	51.631	-22.369	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 = 3 MHz, 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 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2016/12/17**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(20M)_2462MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

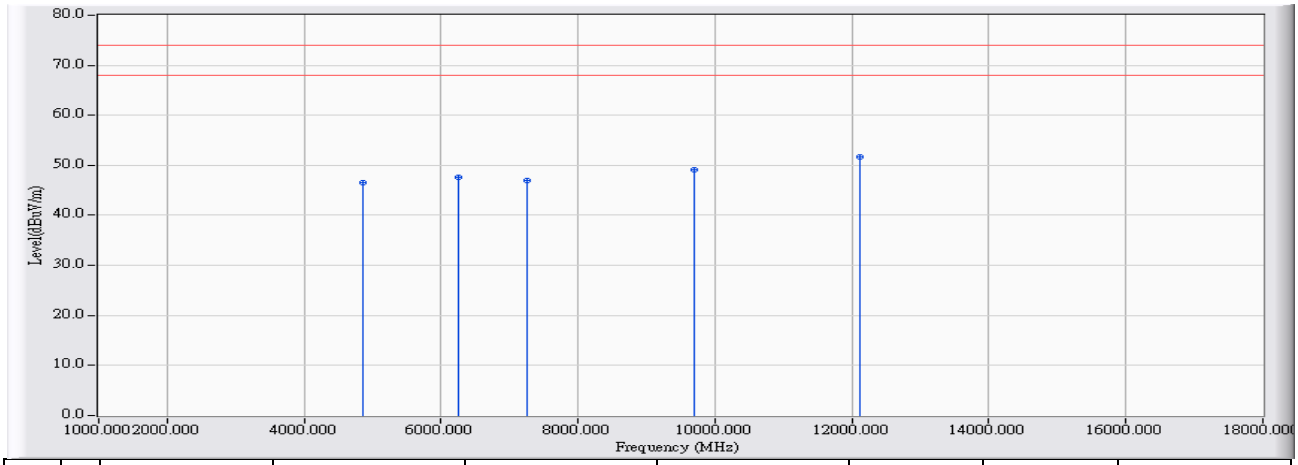


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4920.400	-0.088	42.140	42.053	-11.947	54.000	AVERAGE
2		7391.850	7.953	31.740	39.694	-14.306	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2016/12/17**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2422MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

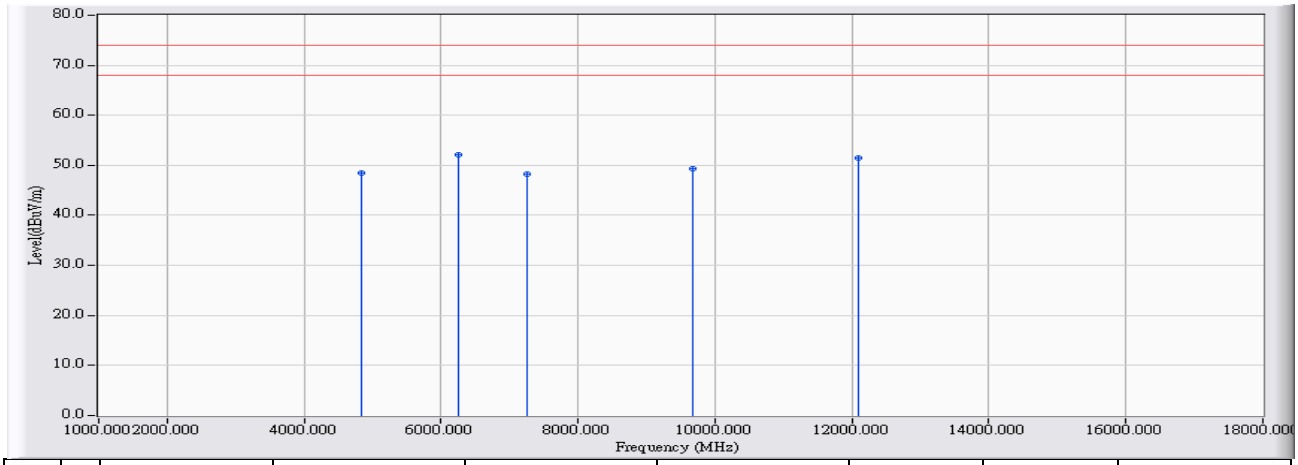


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4849.600	-0.262	46.900	46.637	-27.363	74.000	PEAK
2		6250.250	3.446	44.240	47.686	-26.314	74.000	PEAK
3		7261.350	7.307	39.630	46.936	-27.064	74.000	PEAK
4		9692.825	12.197	36.890	49.087	-24.913	74.000	PEAK
5	*	12118.250	16.990	34.740	51.730	-22.270	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2016/12/17**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2422MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

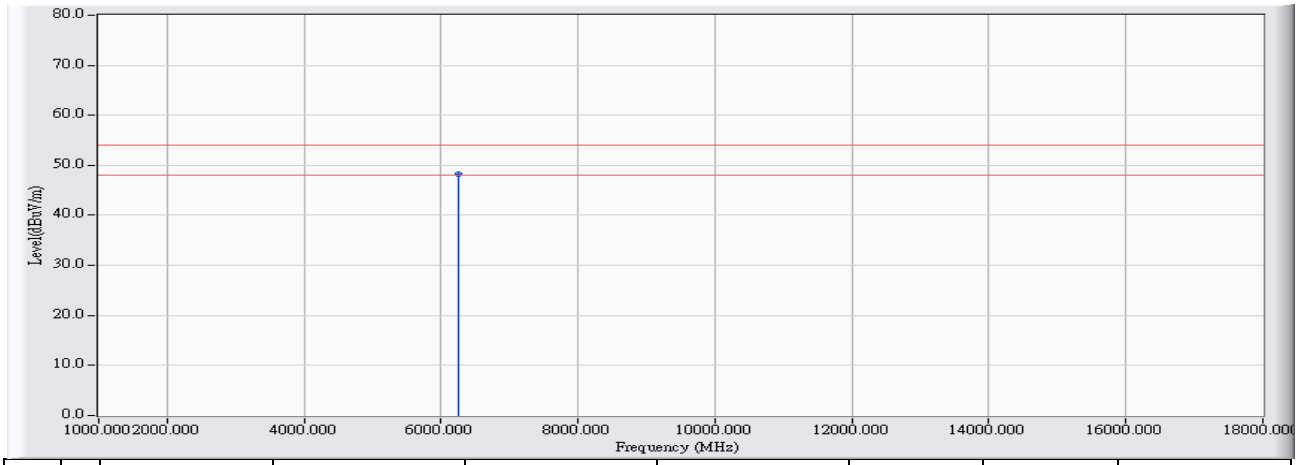


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4828.175	-0.316	48.880	48.564	-25.436	74.000	PEAK
2	*	6250.750	3.449	48.590	52.039	-21.961	74.000	PEAK
3		7264.900	7.324	40.950	48.274	-25.726	74.000	PEAK
4		9680.250	12.176	37.150	49.326	-24.674	74.000	PEAK
5		12103.625	17.018	34.450	51.467	-22.533	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 = 3 MHz, 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 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2016/12/17**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2422MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

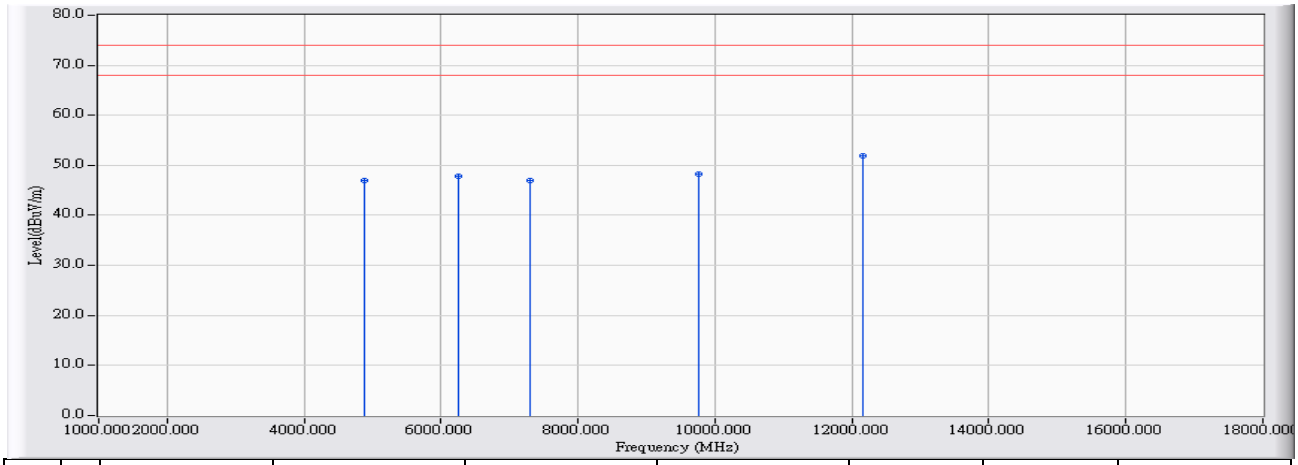


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	6250.150	3.446	44.910	48.356	-5.644	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2016/12/17**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2437MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

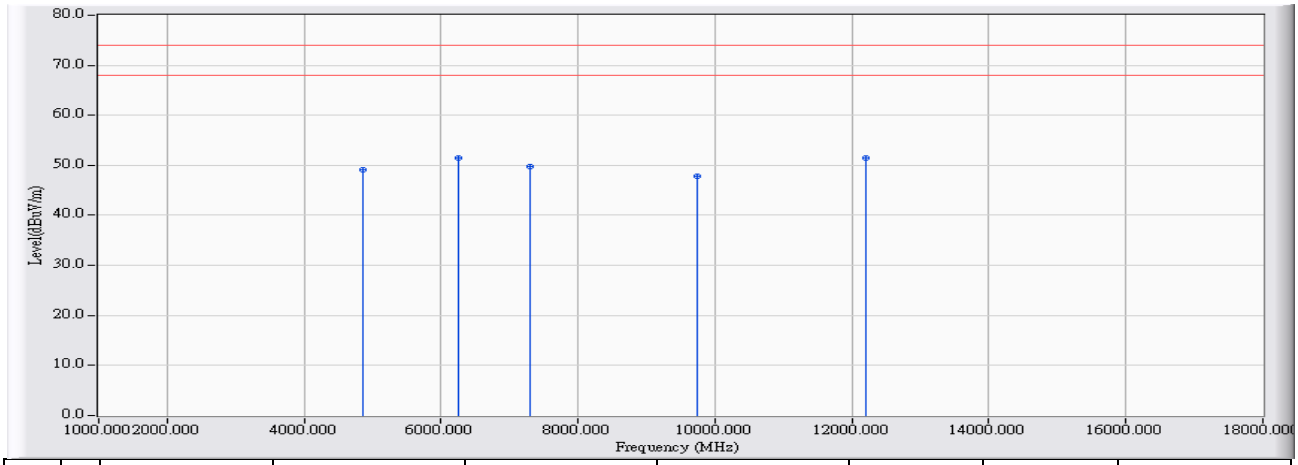


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4884.500	-0.177	47.040	46.864	-27.136	74.000	PEAK
2		6250.250	3.446	44.280	47.726	-26.274	74.000	PEAK
3		7294.675	7.471	39.600	47.072	-26.928	74.000	PEAK
4		9755.450	12.287	35.980	48.268	-25.732	74.000	PEAK
5	*	12166.775	16.899	34.950	51.850	-22.150	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 = 3 MHz, 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 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2016/12/17**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2437MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

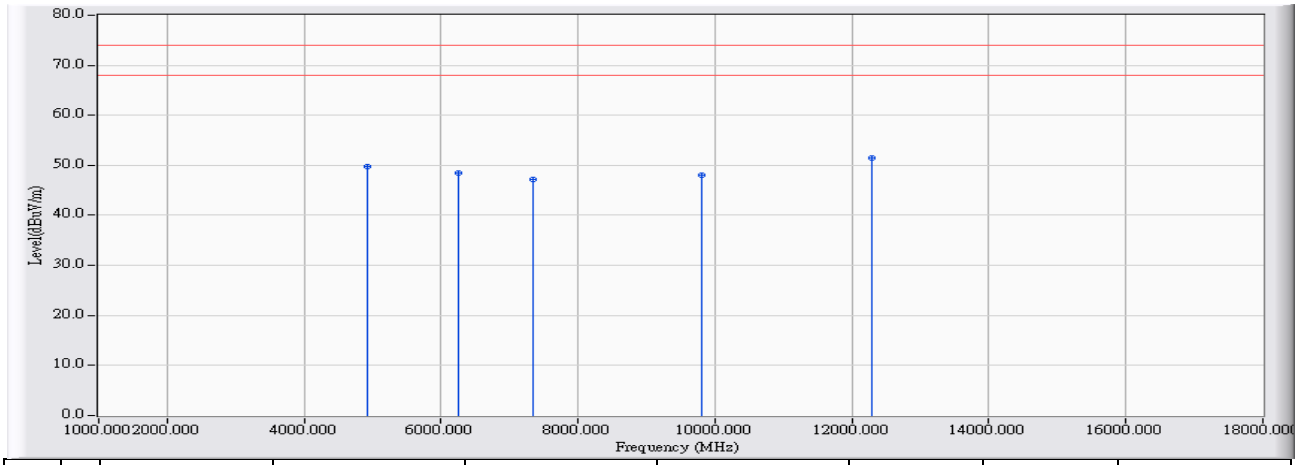


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4863.600	-0.229	49.430	49.202	-24.798	74.000	PEAK
2	*	6249.850	3.444	48.090	51.534	-22.466	74.000	PEAK
3		7294.225	7.469	42.240	49.709	-24.291	74.000	PEAK
4		9729.500	12.252	35.620	47.871	-26.129	74.000	PEAK
5		12193.325	16.850	34.580	51.430	-22.570	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 = 3 MHz, 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 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2016/12/17**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2452MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

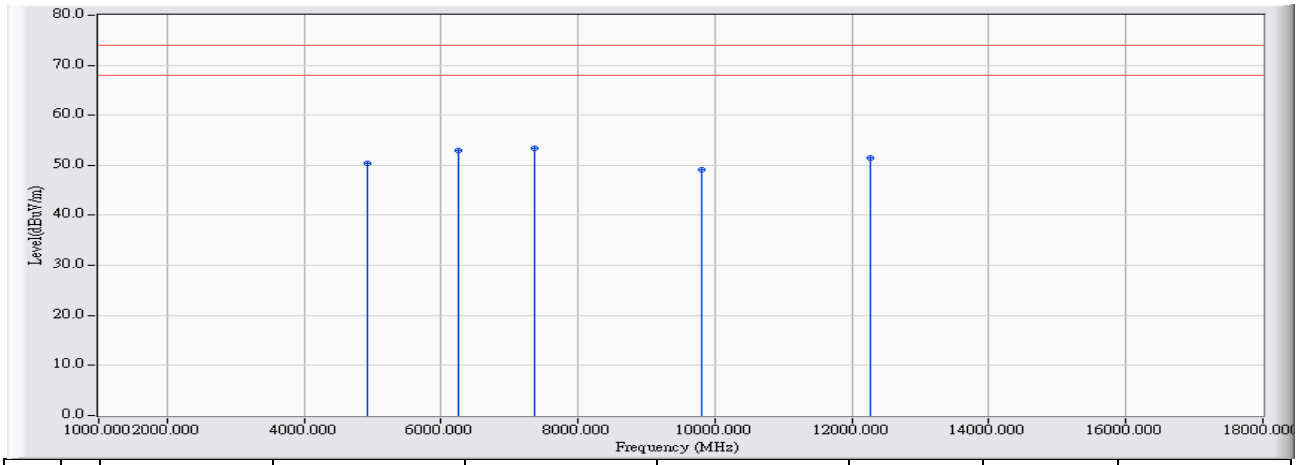


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4920.000	-0.088	49.760	49.672	-24.328	74.000	PEAK
2		6250.025	3.445	44.950	48.395	-25.605	74.000	PEAK
3		7352.100	7.756	39.360	47.116	-26.884	74.000	PEAK
4		9798.725	12.348	35.710	48.058	-25.942	74.000	PEAK
5	*	12282.650	16.668	34.870	51.538	-22.462	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 = 3 MHz, 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 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2016/12/17**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2452MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

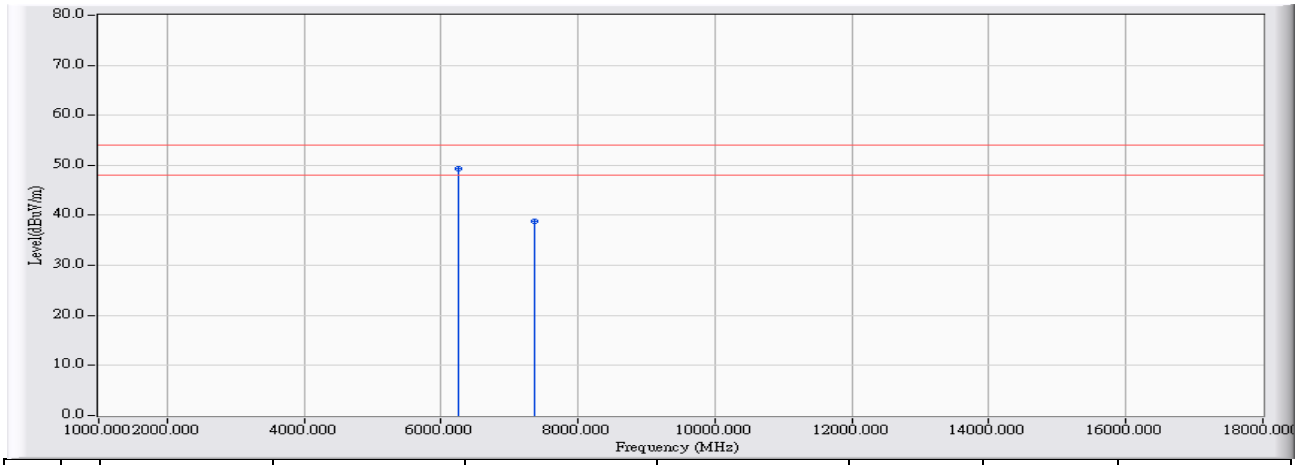


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4914.425	-0.102	50.510	50.408	-23.592	74.000	PEAK
2		6250.150	3.446	49.500	52.946	-21.054	74.000	PEAK
3	*	7354.200	7.766	45.570	53.337	-20.663	74.000	PEAK
4		9809.000	12.363	36.850	49.213	-24.787	74.000	PEAK
5		12269.800	16.695	34.830	51.524	-22.476	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 = 3 MHz, 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 18GHz were not included is because their levels are too low.

Site : CB4-H	**Time : 2016/12/17**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2452MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	6250.100	3.445	45.830	49.276	-4.724	54.000	AVERAGE
2		7356.425	7.778	30.970	38.748	-15.252	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 = 3 MHz, 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 18GHz were not included is because their levels are too low.

5. RF antenna conducted test

5.1. Test Equipment

The following test equipments are used during the test:

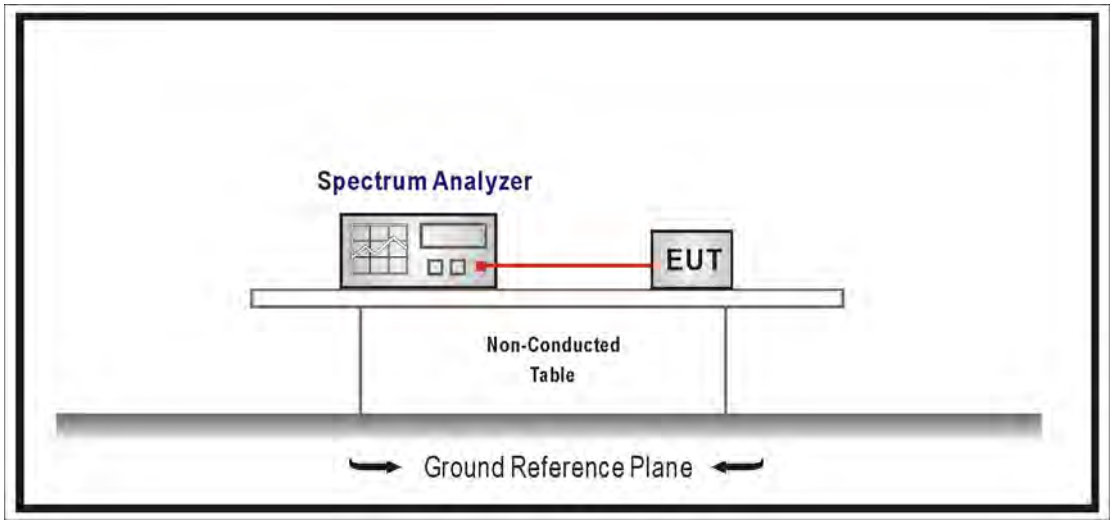
RF Antenna Conducted Test / SR10-H

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Signal & Spectrum Analyzer	R&S	FSV40	101049	2018/01/22

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

5.2. Test Setup

RF Antenna 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 DTS test procedure section 11.2 of KDB558074 v03r05 for compliance to FCC 47CFR 15.247 requirements. Set RBW = 100 kHz, Set VBW> RBW, scan up through 10th harmonic.

5.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2015

5.6. Uncertainty

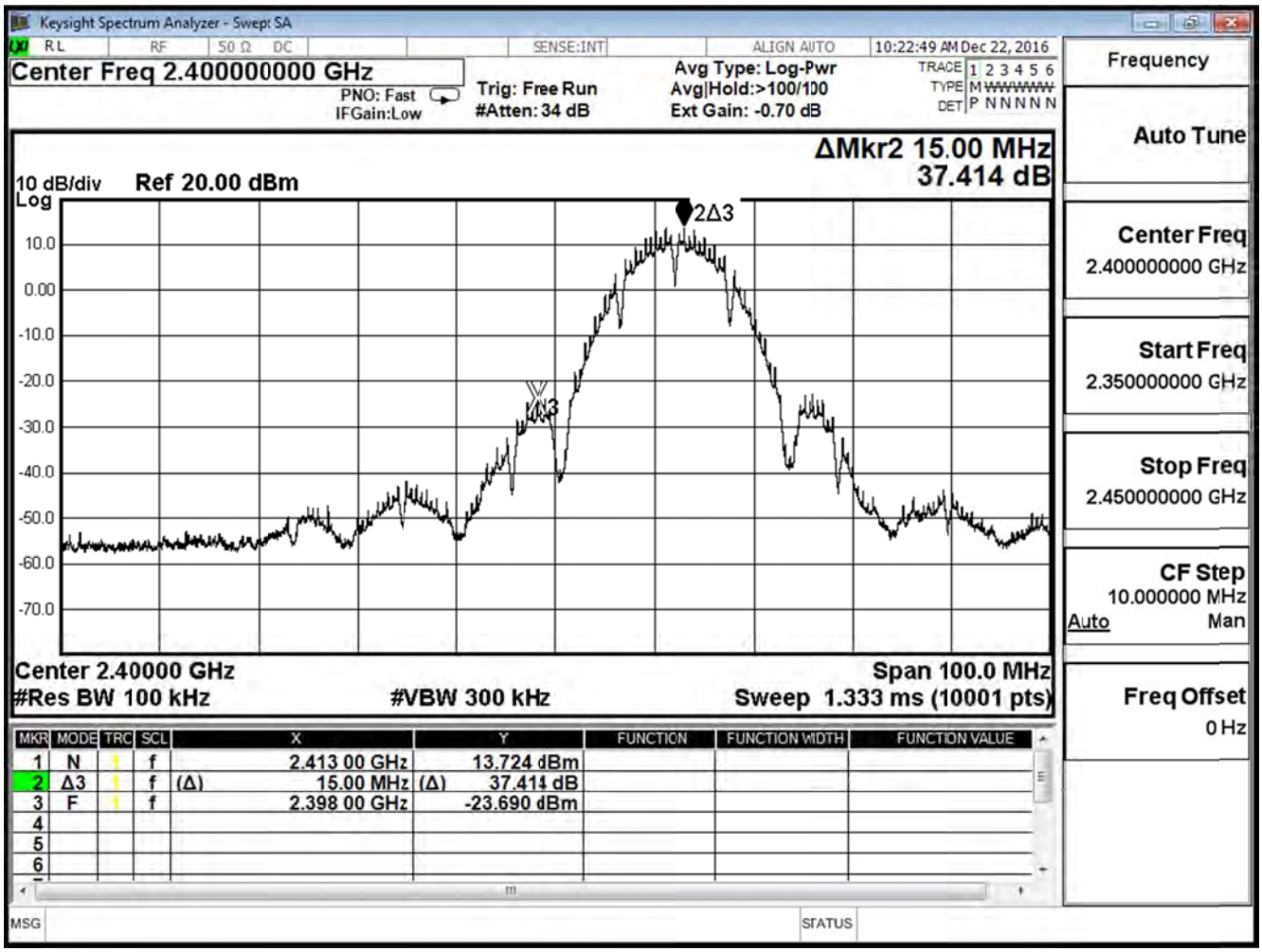
Conducted is defined as ± 1.27dB

5.7. Test Result

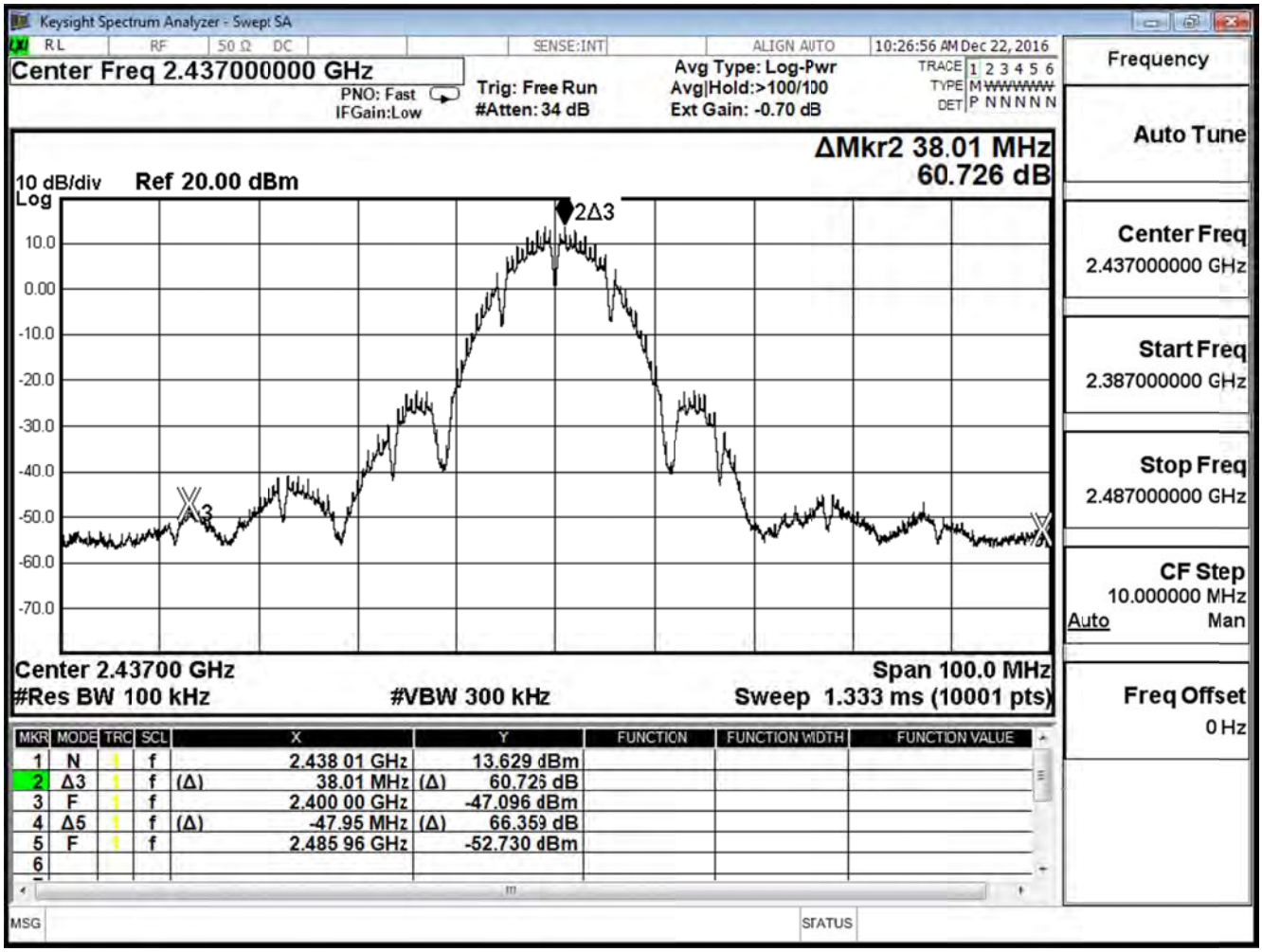
Product	Lyra mini		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Tx-AD2037320910LF-CDD Mode		
Date of Test	2016/12/22	Test Site	SR10-H

IEEE 802.11b (ANT 0)				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	37.41	≧30	Pass
6	2437	60.73	≧30	Pass
11	2462	59.92	≧30	Pass

Channel 1



Channel 6


Keysight Spectrum Analyzer - Swept SA
RL
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
10:26:56 AM Dec 22, 2016
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 34 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -0.70 dB
TRACE 1 2 3 4 5 6
TYPE M WWWWW
DET P NNNNN
ΔMkr2 38.01 MHz
60.726 dB
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
2Δ3
Center 2.43700 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 1.333 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.438 01 GHz 13.629 dBm
2 Δ3 1 f (Δ) 38.01 MHz (Δ) 60.726 dB
3 F 1 f 2.400 00 GHz -47.096 dBm
4 Δ5 1 f (Δ) -47.95 MHz (Δ) 66.359 dB
5 F 1 f 2.485 96 GHz -52.730 dBm
6
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.387000000 GHz
Stop Freq
2.487000000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz

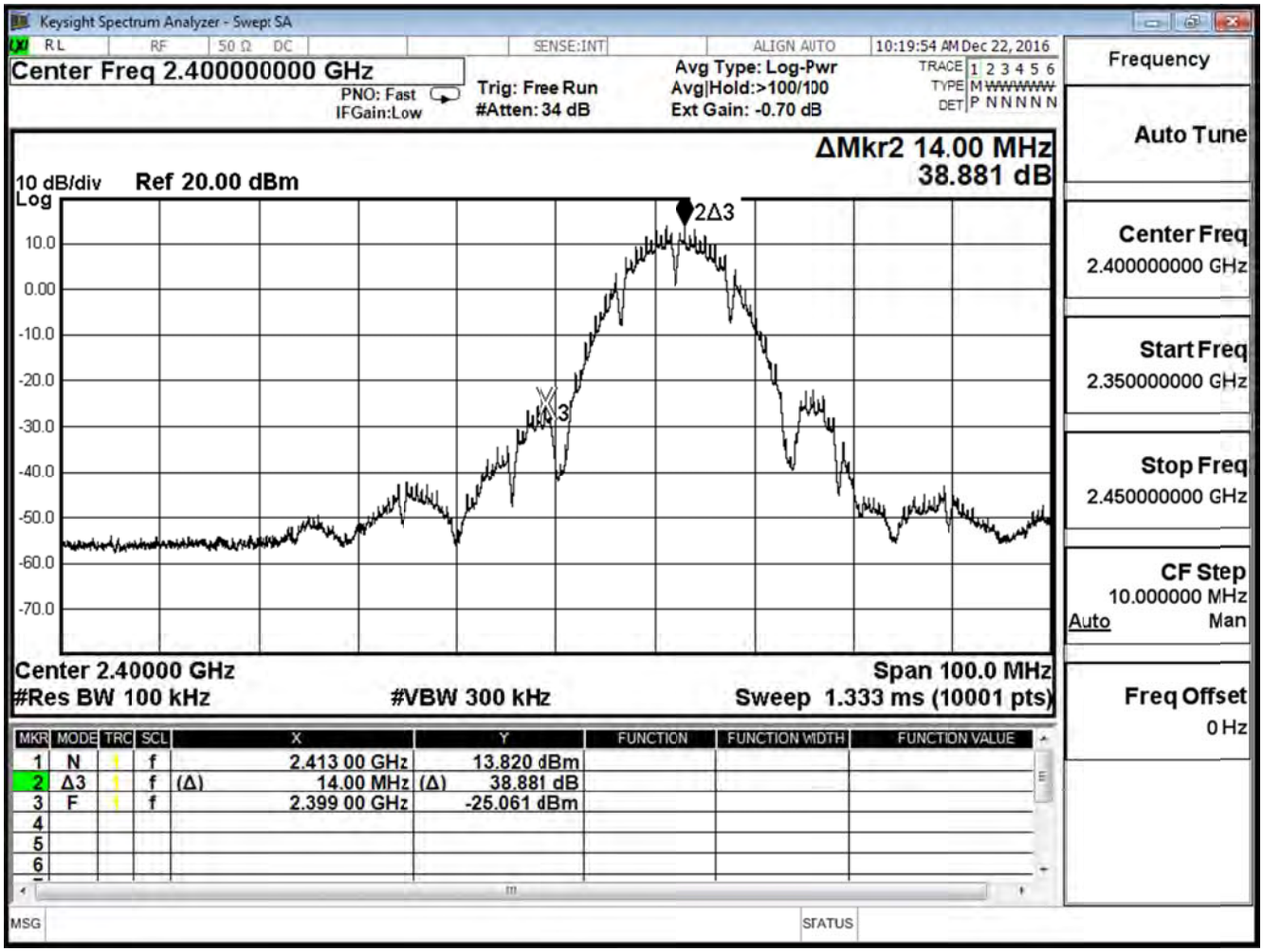
Channel 11


Keysight Spectrum Analyzer - Swept SA
RL
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
10:33:38 AM Dec 22, 2016
Center Freq 2.483500000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 34 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -0.70 dB
TRACE 1 2 3 4 5 6
TYPE M WWWWW
DET P N N N N N
ΔMkr2 -27.01 MHz
59.915 dB
10 dB/div
Log
Ref 20.00 dBm
2Δ3
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.48350 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 1.333 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.463 00 GHz 11.986 dBm
2 Δ3 1 f (Δ) -27.01 MHz (Δ) 59.915 dB
3 F 1 f 2.490 01 GHz -47.929 dBm
4
5
6
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.483500000 GHz
Start Freq
2.433500000 GHz
Stop Freq
2.533500000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz

Product	Lyra mini		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Tx-AD2037320910LF-CDD Mode		
Date of Test	2016/12/22	Test Site	SR10-H

IEEE 802.11b (ANT 1)				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	38.88	≧30	Pass
6	2437	64.11	≧30	Pass
11	2462	61.43	≧30	Pass

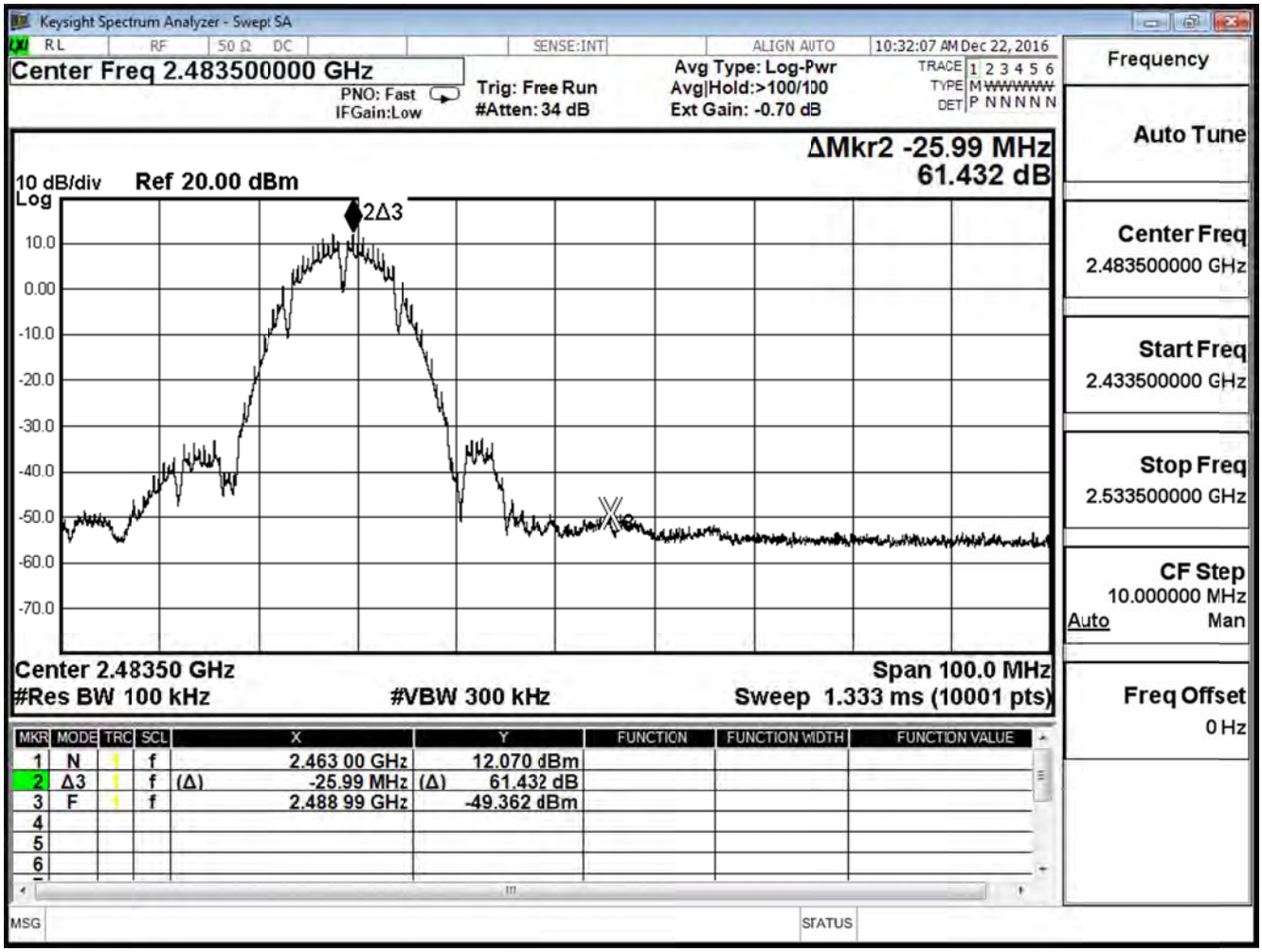
Channel 1



Channel 6


Keysight Spectrum Analyzer - Swept SA
RL
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
10:30:09 AM Dec 22, 2016
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 34 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -0.70 dB
TRACE 1 2 3 4 5 6
TYPE M WWWWW
DET P N N N N N
ΔMkr2 38.57 MHz
64.114 dB
10 dB/div
Log
Ref 20.00 dBm
2Δ3
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.43700 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 1.333 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.438 00 GHz 13.698 dBm
2 Δ3 1 f (Δ) 38.57 MHz (Δ) 64.114 dB
3 F 1 f 2.399 43 GHz -50.417 dBm
4 Δ5 1 f (Δ) -47.39 MHz (Δ) 66.165 dB
5 F 1 f 2.485 39 GHz -52.468 dBm
6
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.387000000 GHz
Stop Freq
2.487000000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz

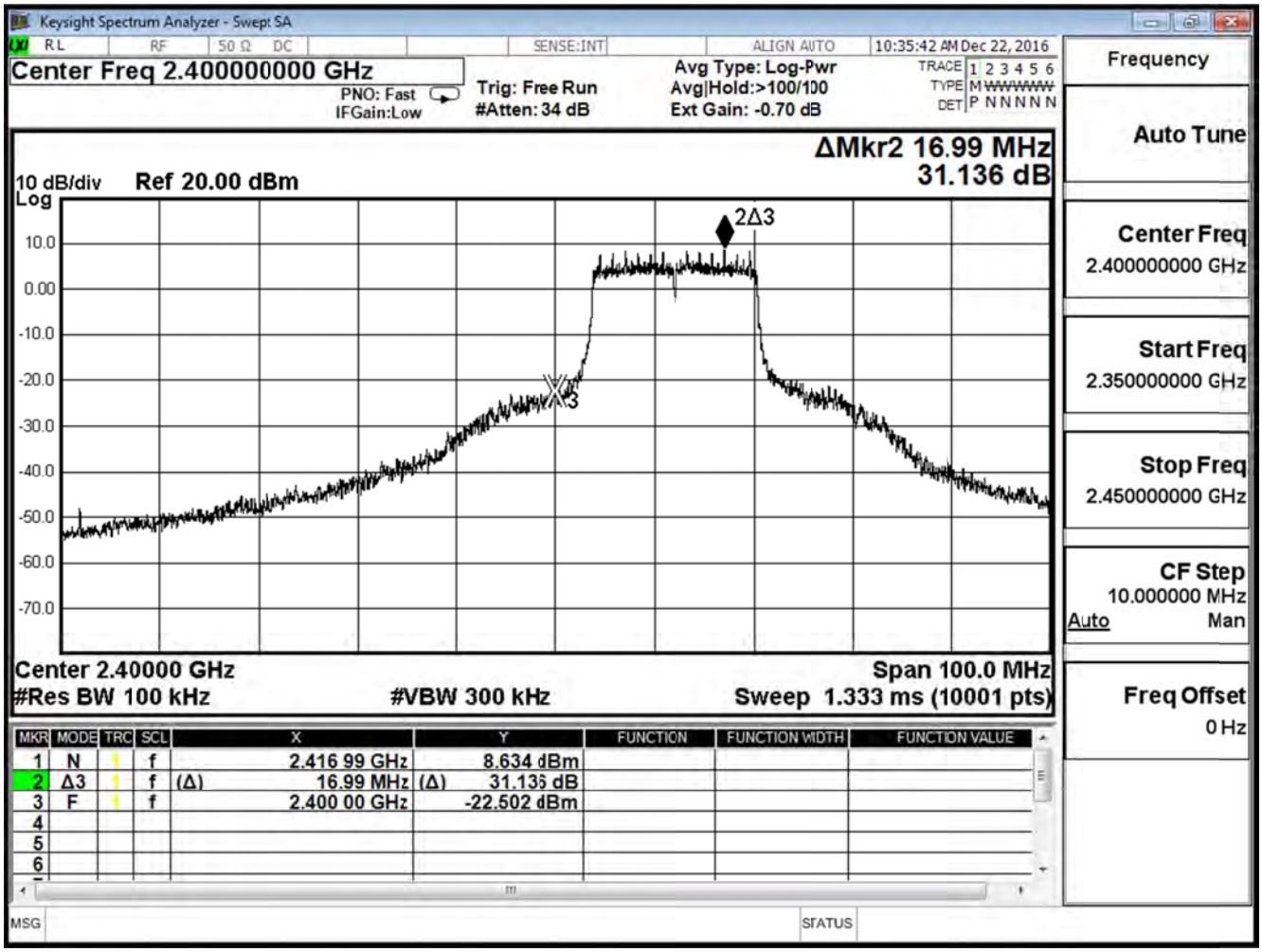
Channel 11


Keysight Spectrum Analyzer - Swept SA
RL
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
10:32:07 AM Dec 22, 2016
Center Freq 2.483500000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 34 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -0.70 dB
TRACE 1 2 3 4 5 6
TYPE M WWWWW
DET P N N N N N
ΔMkr2 -25.99 MHz
61.432 dB
10 dB/div
Log
Ref 20.00 dBm
2Δ3
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.48350 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 1.333 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.463 00 GHz 12.070 dBm
2 Δ3 1 f (Δ) -25.99 MHz (Δ) 61.432 dB
3 F 1 f 2.488 99 GHz -49.362 dBm
4
5
6
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.483500000 GHz
Start Freq
2.433500000 GHz
Stop Freq
2.533500000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz

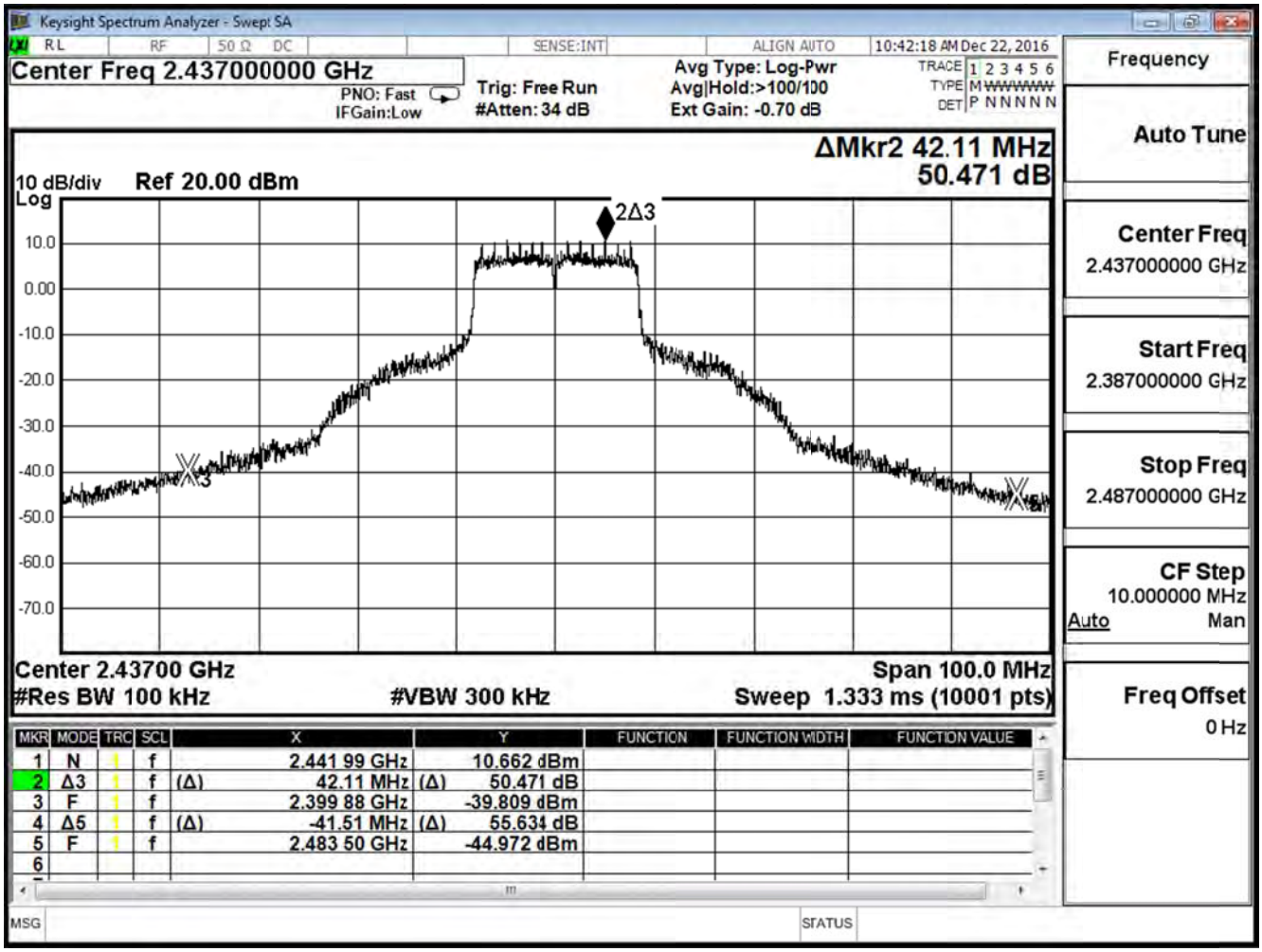
Product	Lyra mini		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Tx-AD2037320910LF-CDD Mode		
Date of Test	2016/12/22	Test Site	SR10-H

IEEE 802.11g (ANT 0)				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	31.14	≧30	Pass
6	2437	50.47	≧30	Pass
11	2462	44.48	≧30	Pass

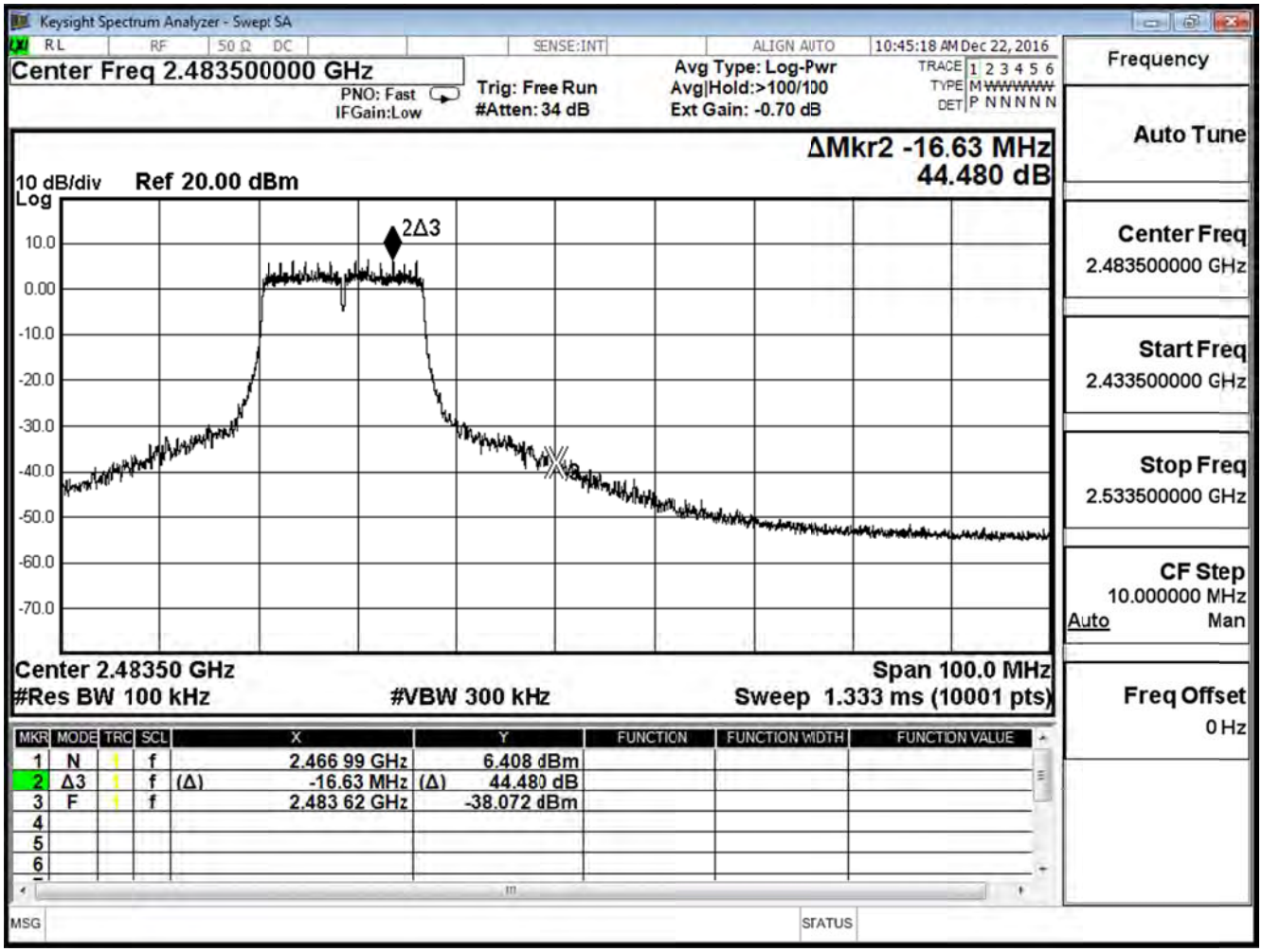
Channel 1



Channel 6


Keysight Spectrum Analyzer - Swept SA
RL
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
10:42:18 AM Dec 22, 2016
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 34 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -0.70 dB
TRACE 1 2 3 4 5 6
TYPE M WWWWW
DET P N N N N N
ΔMkr2 42.11 MHz
50.471 dB
10 dB/div
Log
Ref 20.00 dBm
2Δ3
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.43700 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 1.333 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.441 99 GHz 10.662 dBm
2 Δ3 1 f (Δ) 42.11 MHz (Δ) 50.471 dB
3 F 1 f 2.399 88 GHz -39.809 dBm
4 Δ5 1 f (Δ) -41.51 MHz (Δ) 55.634 dB
5 F 1 f 2.483 50 GHz -44.972 dBm
6
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.387000000 GHz
Stop Freq
2.487000000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz

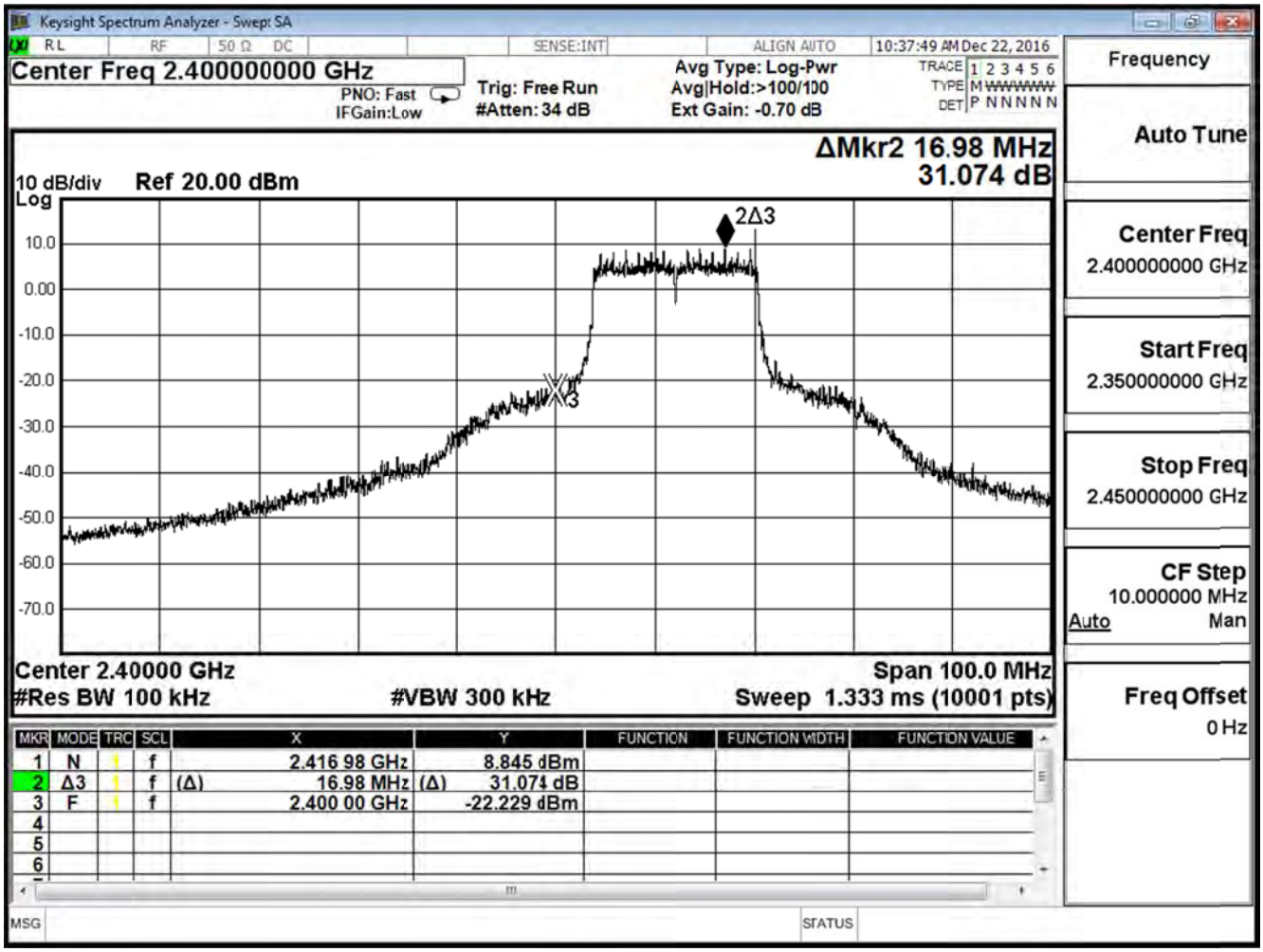
Channel 11


Keysight Spectrum Analyzer - Swept SA
RL
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
10:45:18 AM Dec 22, 2016
Center Freq 2.483500000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 34 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -0.70 dB
TRACE 1 2 3 4 5 6
TYPE M WWWWW
DET P N N N N N
ΔMkr2 -16.63 MHz
44.480 dB
10 dB/div
Log
Ref 20.00 dBm
2Δ3
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.48350 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 1.333 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.466 99 GHz 6.408 dBm
2 Δ3 1 f (Δ) -16.63 MHz (Δ) 44.480 dB
3 F 1 f 2.483 62 GHz -38.072 dBm
4
5
6
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.483500000 GHz
Start Freq
2.433500000 GHz
Stop Freq
2.533500000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz

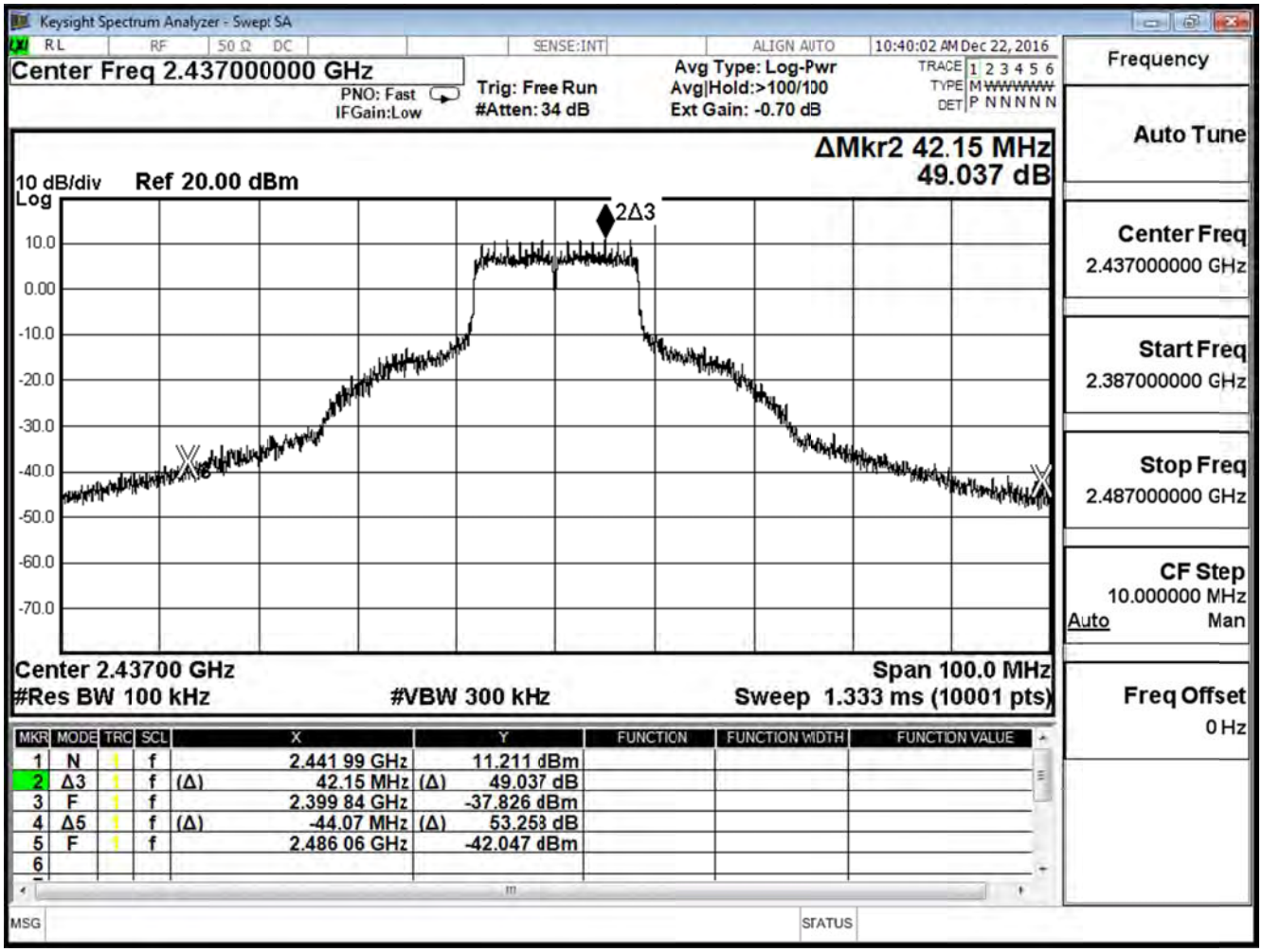
Product	Lyra mini		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Tx-AD2037320910LF-CDD Mode		
Date of Test	2016/12/22	Test Site	SR10-H

IEEE 802.11g (ANT 1)				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	31.07	≧30	Pass
6	2437	49.04	≧30	Pass
11	2462	44.66	≧30	Pass

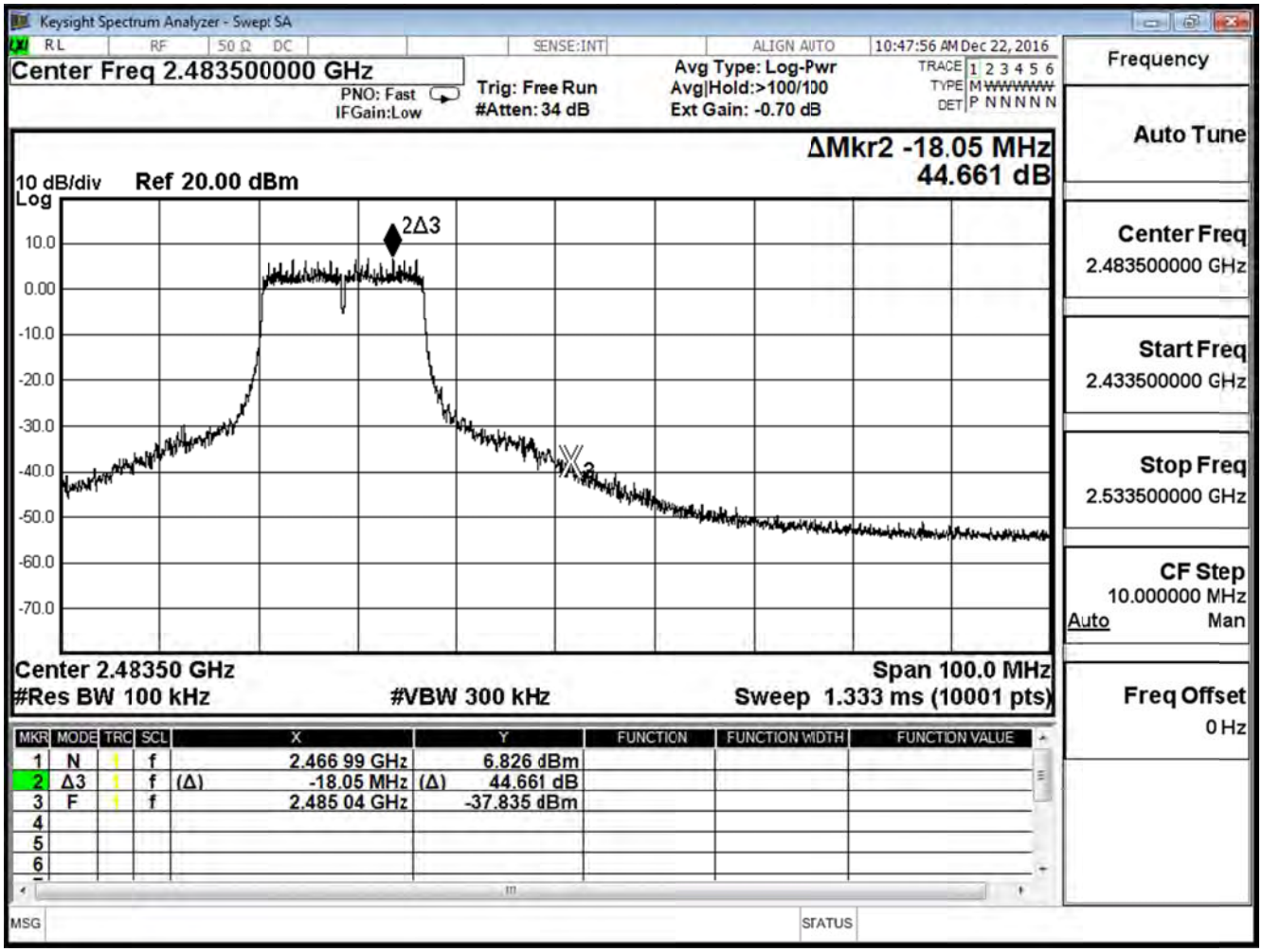
Channel 1



Channel 6


Keysight Spectrum Analyzer - Swept SA
RL
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
10:40:02 AM Dec 22, 2016
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 34 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -0.70 dB
TRACE 1 2 3 4 5 6
TYPE M WWWWW
DET P N N N N N
ΔMkr2 42.15 MHz
49.037 dB
10 dB/div
Log
Ref 20.00 dBm
2Δ3
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.43700 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 1.333 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.441 99 GHz 11.211 dBm
2 Δ3 1 f (Δ) 42.15 MHz (Δ) 49.037 dB
3 F 1 f 2.399 84 GHz -37.826 dBm
4 Δ5 1 f (Δ) -44.07 MHz (Δ) 53.253 dB
5 F 1 f 2.486 06 GHz -42.047 dBm
6
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.387000000 GHz
Stop Freq
2.487000000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz

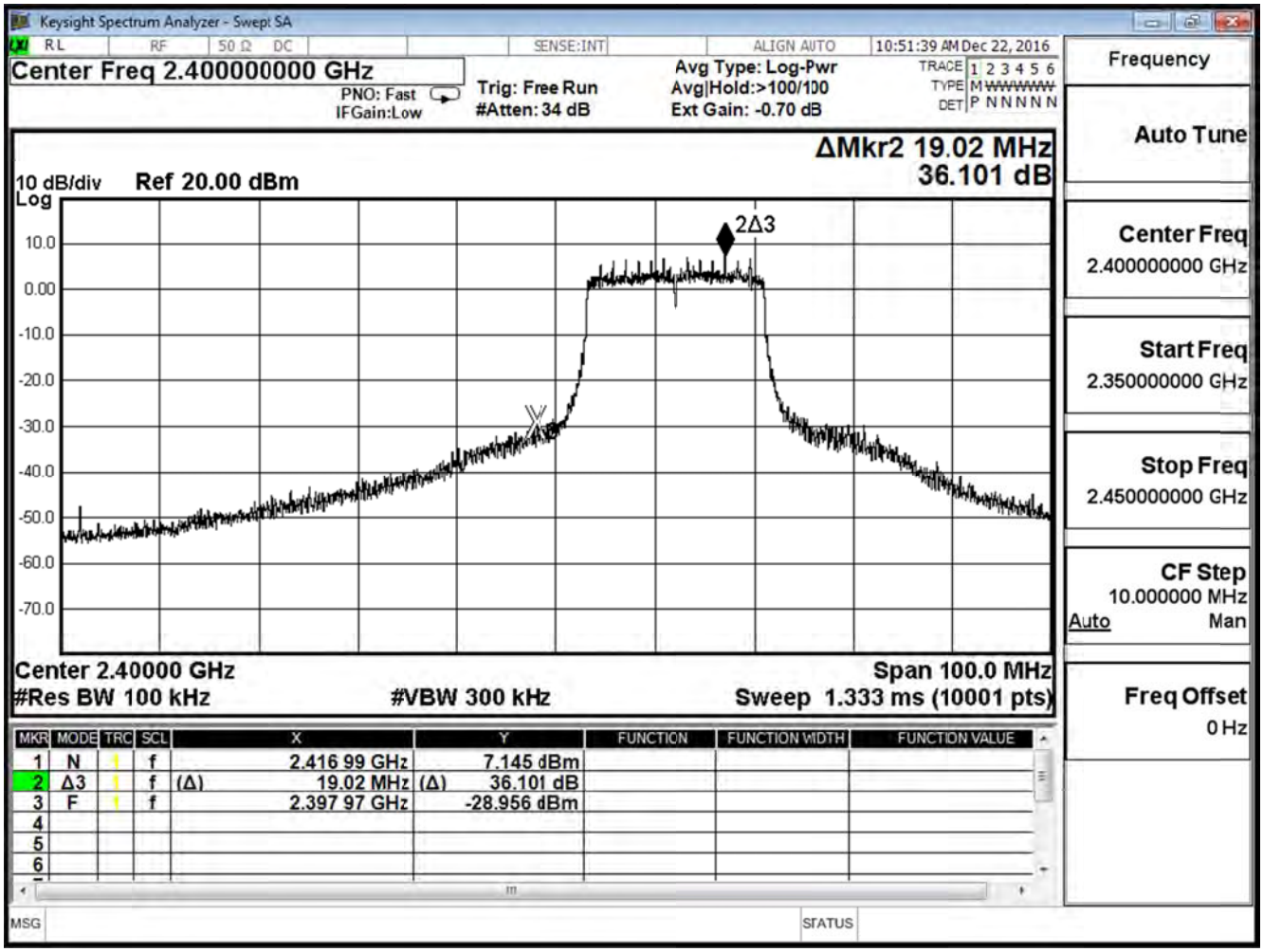
Channel 11


Keysight Spectrum Analyzer - Swept SA
RL
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
10:47:56 AM Dec 22, 2016
Center Freq 2.483500000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 34 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -0.70 dB
TRACE 1 2 3 4 5 6
TYPE M WWWWW
DET P N N N N N
ΔMkr2 -18.05 MHz
44.661 dB
10 dB/div
Log
Ref 20.00 dBm
2Δ3
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.48350 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 1.333 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.466 99 GHz 6.826 dBm
2 Δ3 1 f (Δ) -18.05 MHz (Δ) 44.661 dB
3 F 1 f 2.485 04 GHz -37.835 dBm
4
5
6
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.483500000 GHz
Start Freq
2.433500000 GHz
Stop Freq
2.533500000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz

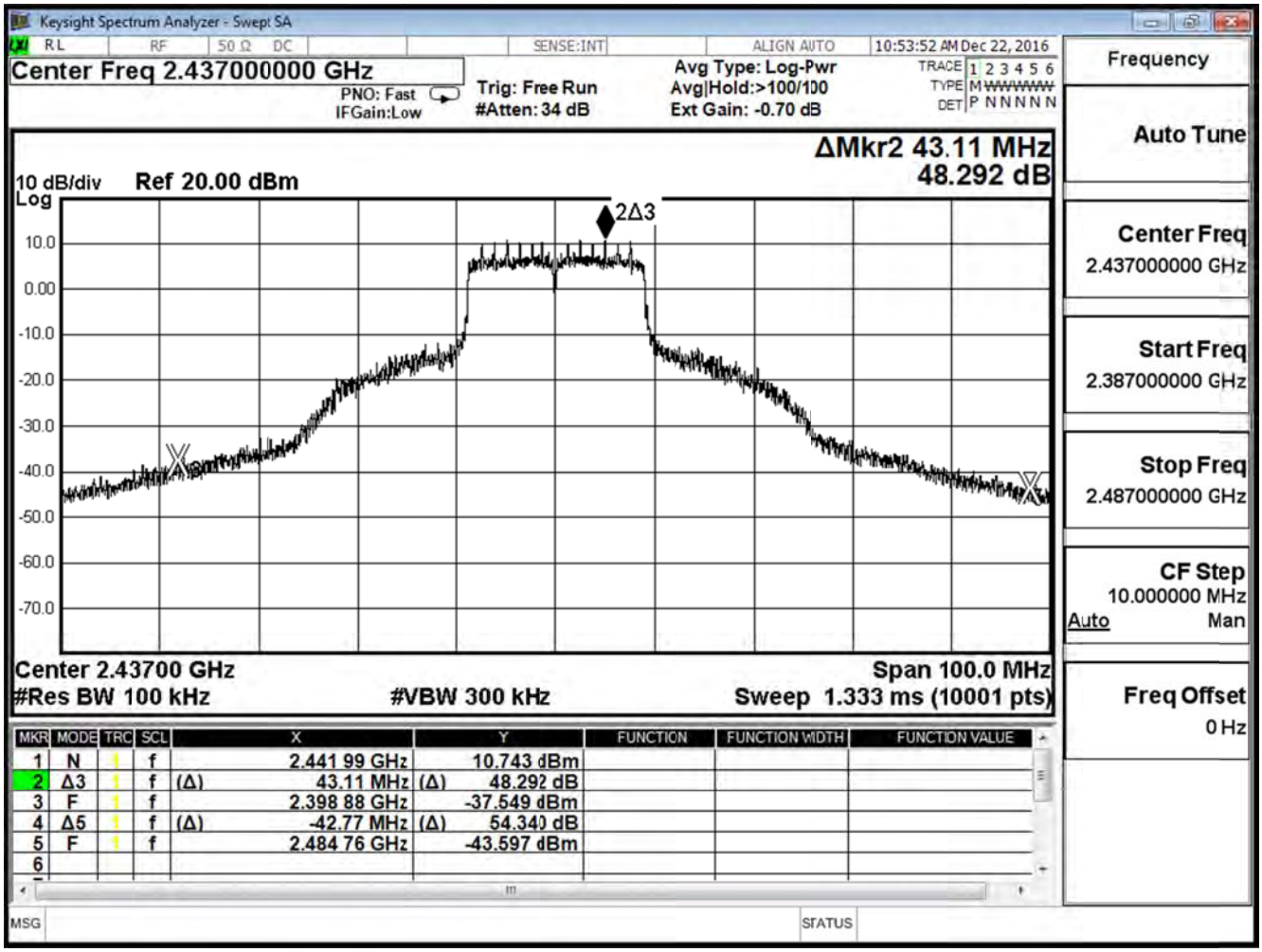
Product	Lyra mini		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Tx-AD2037320910LF-CDD Mode		
Date of Test	2016/12/22	Test Site	SR10-H

IEEE 802.11n_20M (ANT 0)				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	36.10	≧30	Pass
6	2437	48.29	≧30	Pass
11	2462	46.60	≧30	Pass

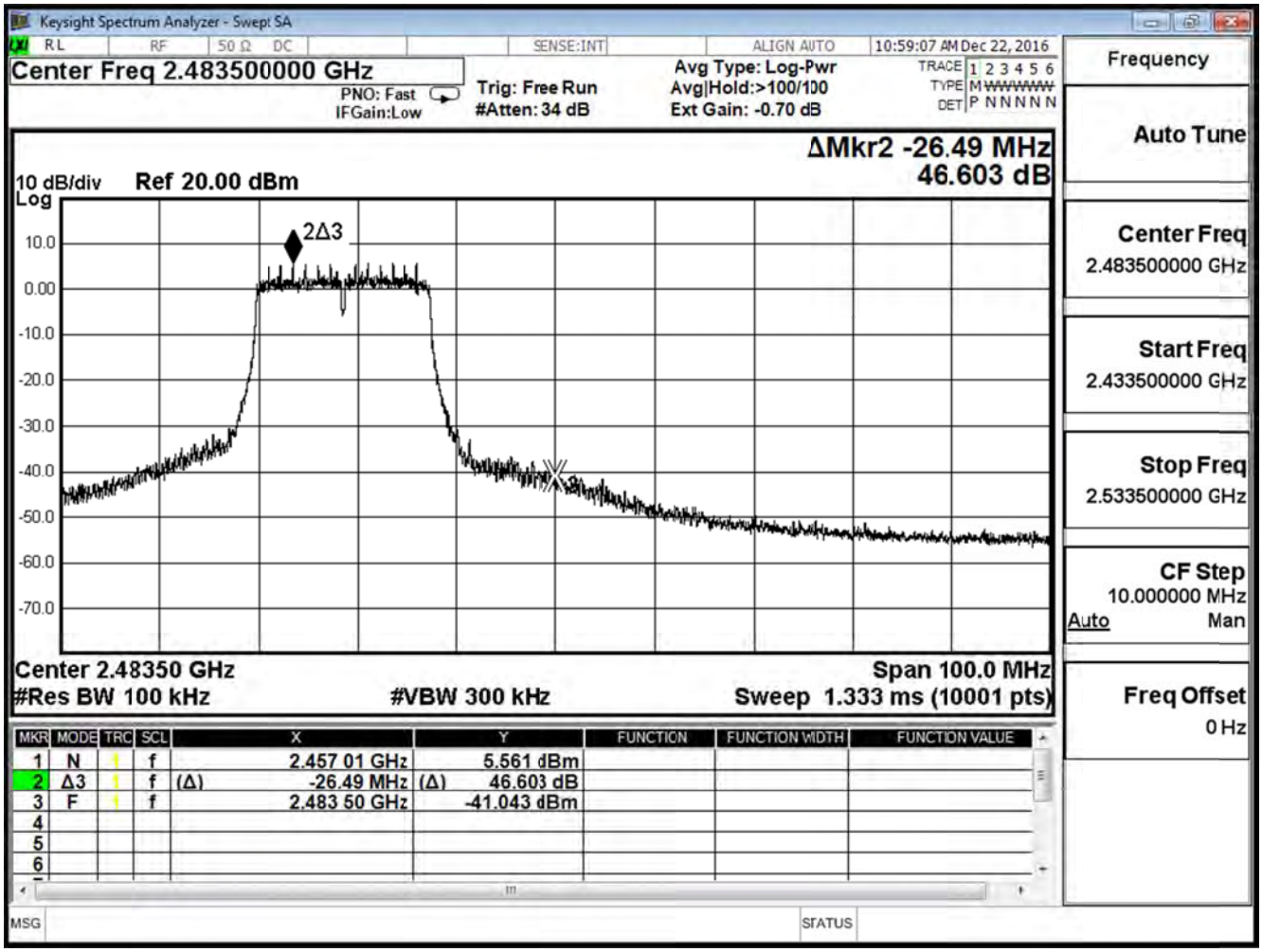
Channel 1



Channel 6


Keysight Spectrum Analyzer - Swept SA
RL
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
10:53:52 AM Dec 22, 2016
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 34 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -0.70 dB
TRACE 1 2 3 4 5 6
TYPE M WWWWW
DET P N N N N N
ΔMkr2 43.11 MHz
48.292 dB
10 dB/div
Log
Ref 20.00 dBm
2Δ3
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.43700 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 1.333 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.441 99 GHz 10.743 dBm
2 Δ3 1 f (Δ) 43.11 MHz (Δ) 48.292 dB
3 F 1 f 2.398 88 GHz -37.549 dBm
4 Δ5 1 f (Δ) -42.77 MHz (Δ) 54.340 dB
5 F 1 f 2.484 76 GHz -43.597 dBm
6
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.387000000 GHz
Stop Freq
2.487000000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz

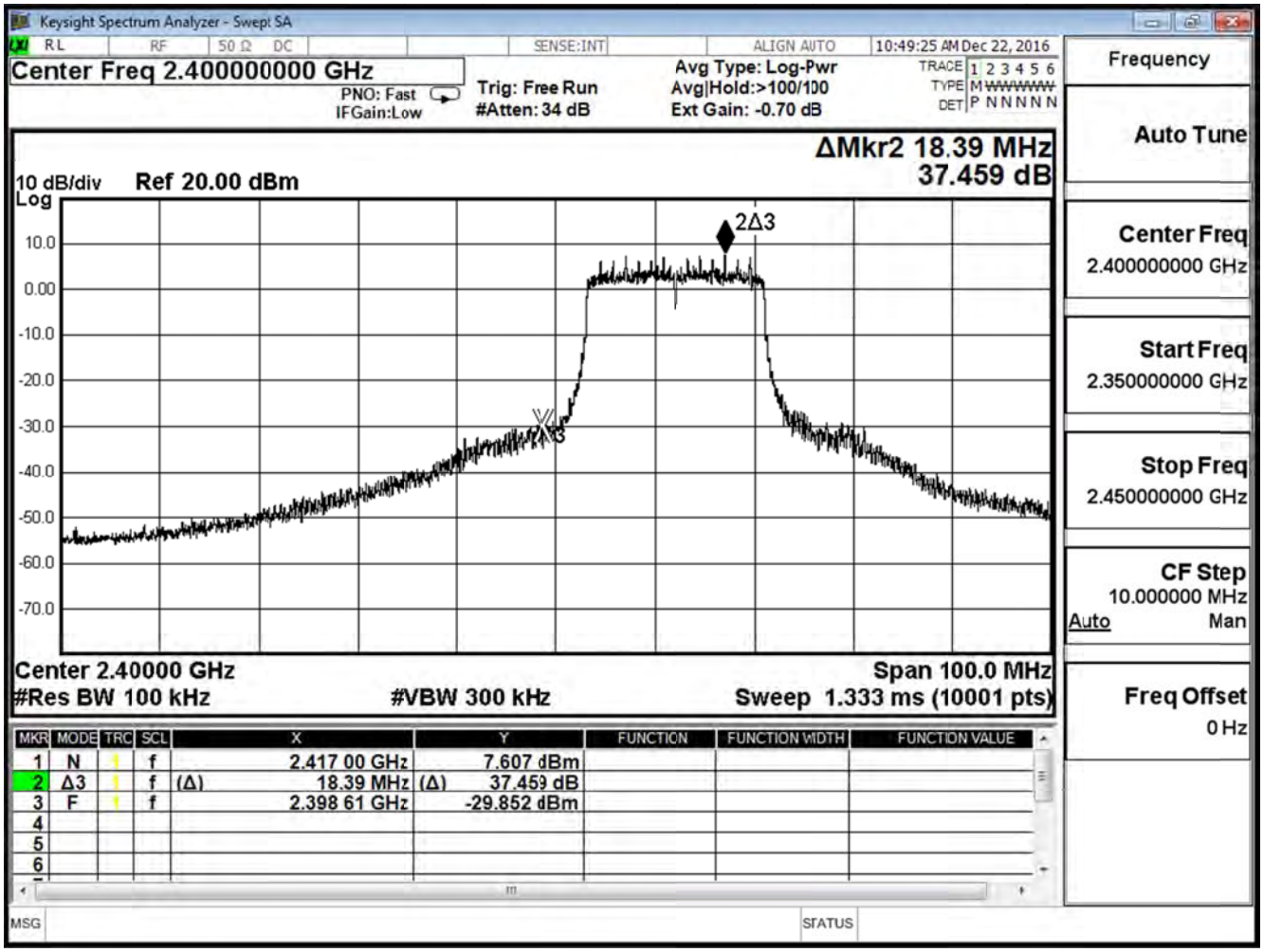
Channel 11


Keysight Spectrum Analyzer - Swept SA
RL
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
10:59:07 AM Dec 22, 2016
Center Freq 2.483500000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 34 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -0.70 dB
TRACE 1 2 3 4 5 6
TYPE M WWWWW
DET P N N N N N
ΔMkr2 -26.49 MHz
46.603 dB
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
2Δ3
Center 2.48350 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 1.333 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.457 01 GHz 5.561 dBm
2 Δ3 1 f (Δ) -26.49 MHz (Δ) 46.603 dB
3 F 1 f 2.483 50 GHz -41.043 dBm
4
5
6
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.483500000 GHz
Start Freq
2.433500000 GHz
Stop Freq
2.533500000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz

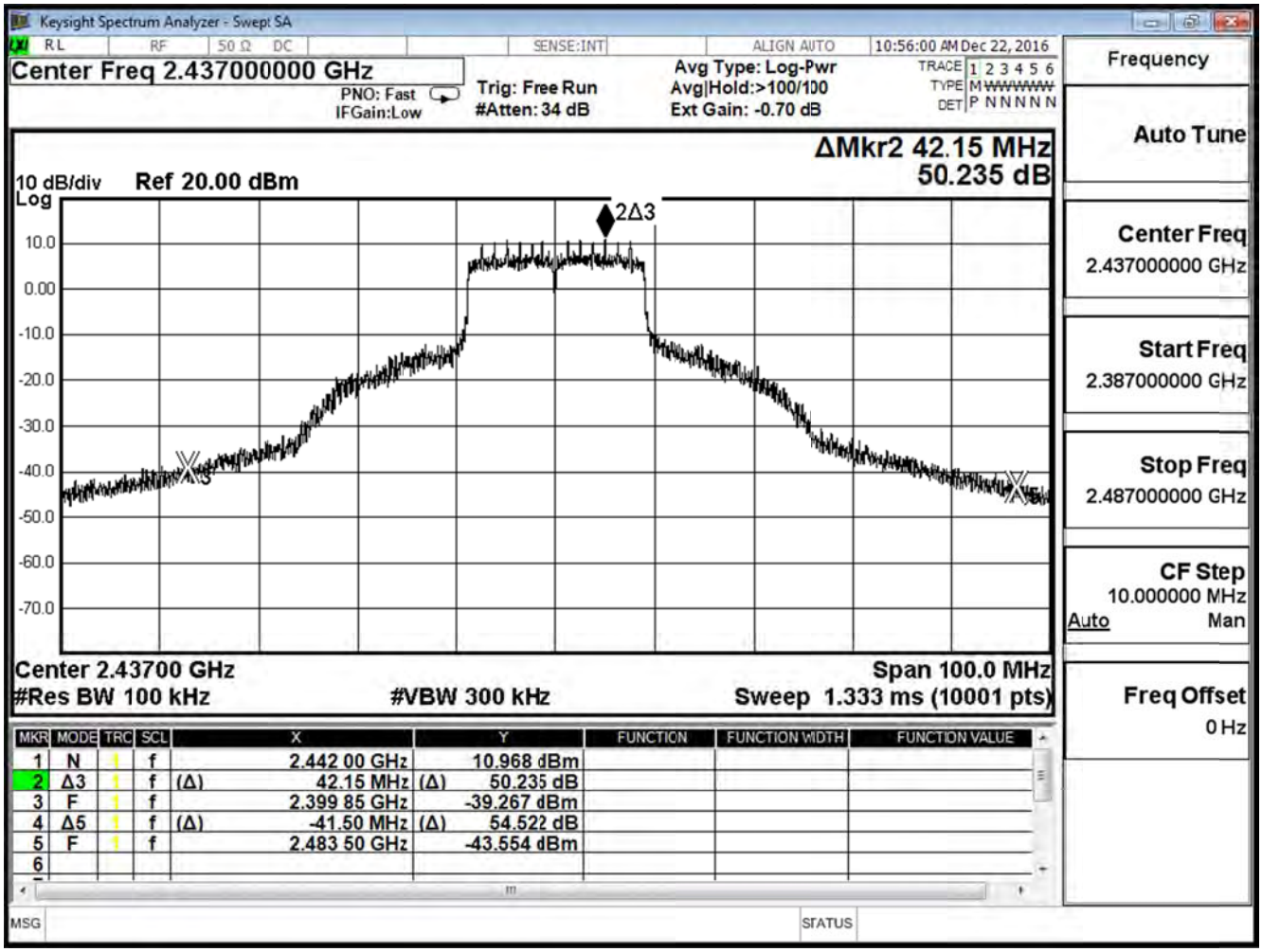
Product	Lyra mini		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Tx-AD2037320910LF-CDD Mode		
Date of Test	2016/12/22	Test Site	SR10-H

IEEE 802.11n_20M (ANT 1)				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	37.46	≧30	Pass
6	2437	50.24	≧30	Pass
11	2462	46.73	≧30	Pass

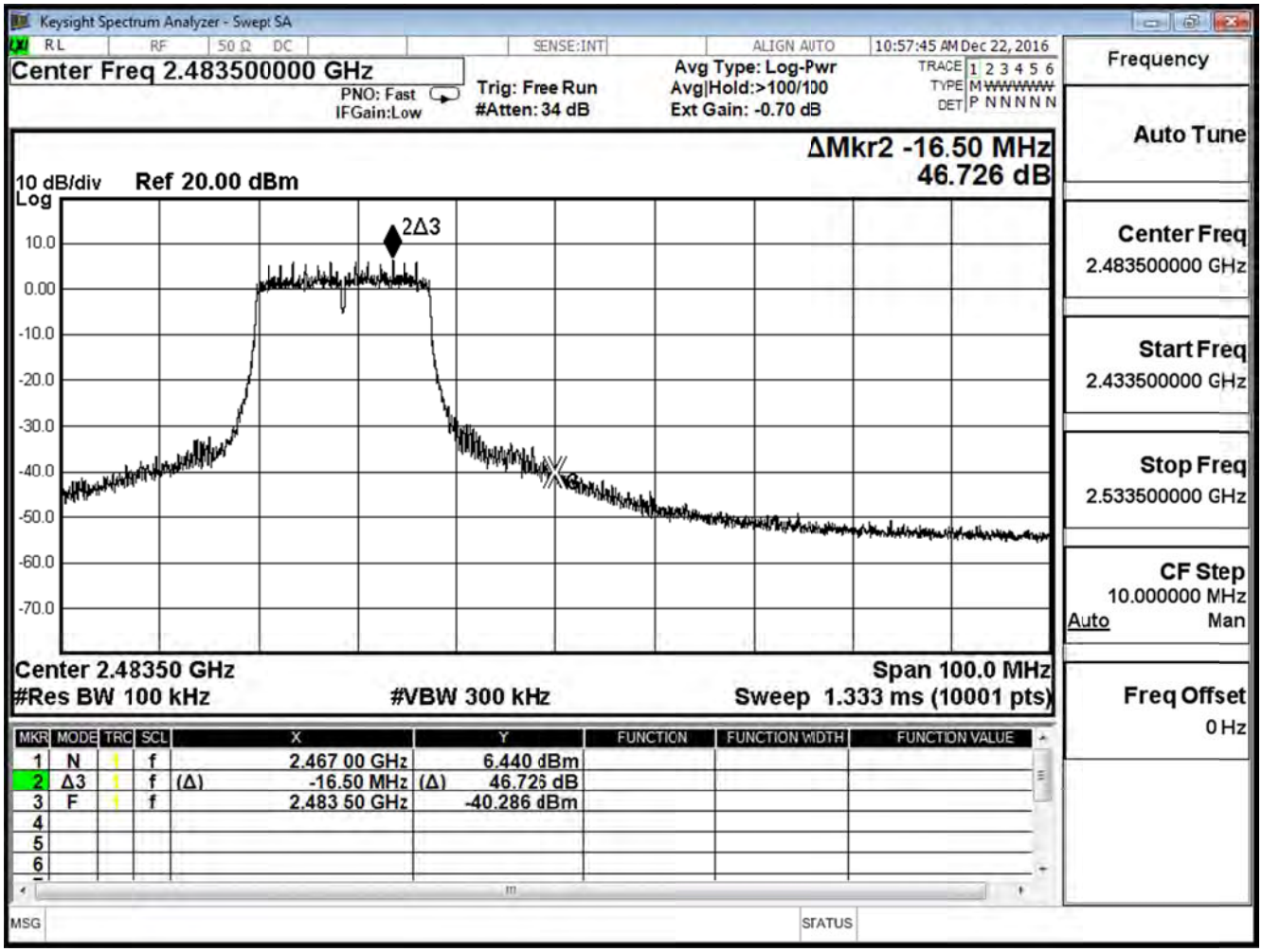
Channel 1



Channel 6


Keysight Spectrum Analyzer - Swept SA
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 34 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -0.70 dB
10:56:00 AM Dec 22, 2016
ΔMkr2 42.15 MHz
50.235 dB
10 dB/div
Log
Ref 20.00 dBm
2Δ3
Center 2.43700 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 1.333 ms (10001 pts)
1 N 1 f 2.442 00 GHz 10.968 dBm
2 Δ3 1 f (Δ) 42.15 MHz (Δ) 50.235 dB
3 F 1 f 2.399 85 GHz -39.267 dBm
4 Δ5 1 f (Δ) -41.50 MHz (Δ) 54.522 dB
5 F 1 f 2.483 50 GHz -43.554 dBm
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.387000000 GHz
Stop Freq
2.487000000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

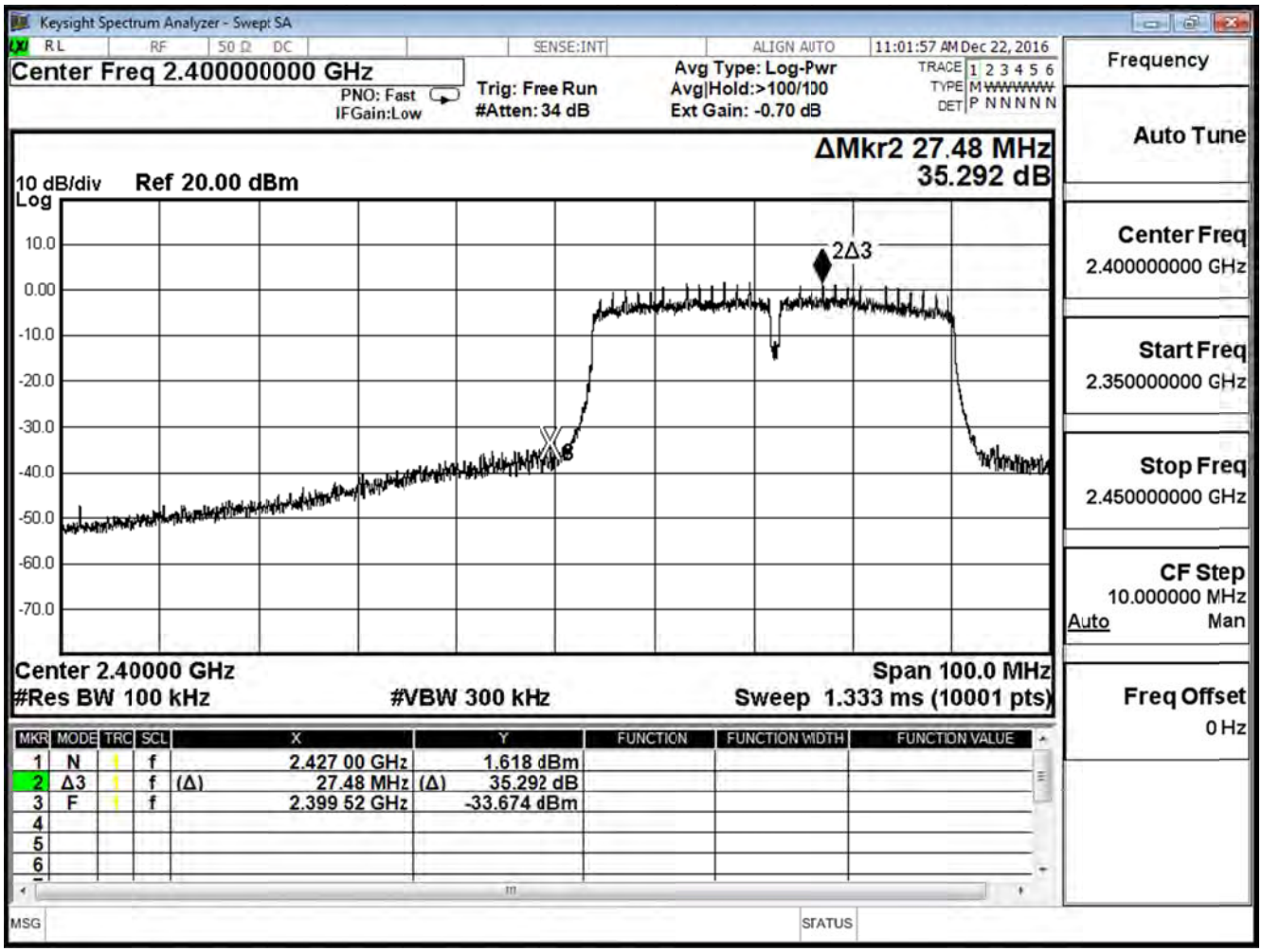
Channel 11


Keysight Spectrum Analyzer - Swept SA
RL
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
10:57:45 AM Dec 22, 2016
Center Freq 2.483500000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 34 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -0.70 dB
TRACE 1 2 3 4 5 6
TYPE M WWWWW
DET P NNNNN
ΔMkr2 -16.50 MHz
46.726 dB
10 dB/div
Log
Ref 20.00 dBm
2Δ3
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.48350 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 1.333 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.467 00 GHz 6.440 dBm
2 Δ3 1 f (Δ) -16.50 MHz (Δ) 46.726 dB
3 F 1 f 2.483 50 GHz -40.286 dBm
4
5
6
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.483500000 GHz
Start Freq
2.433500000 GHz
Stop Freq
2.533500000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz

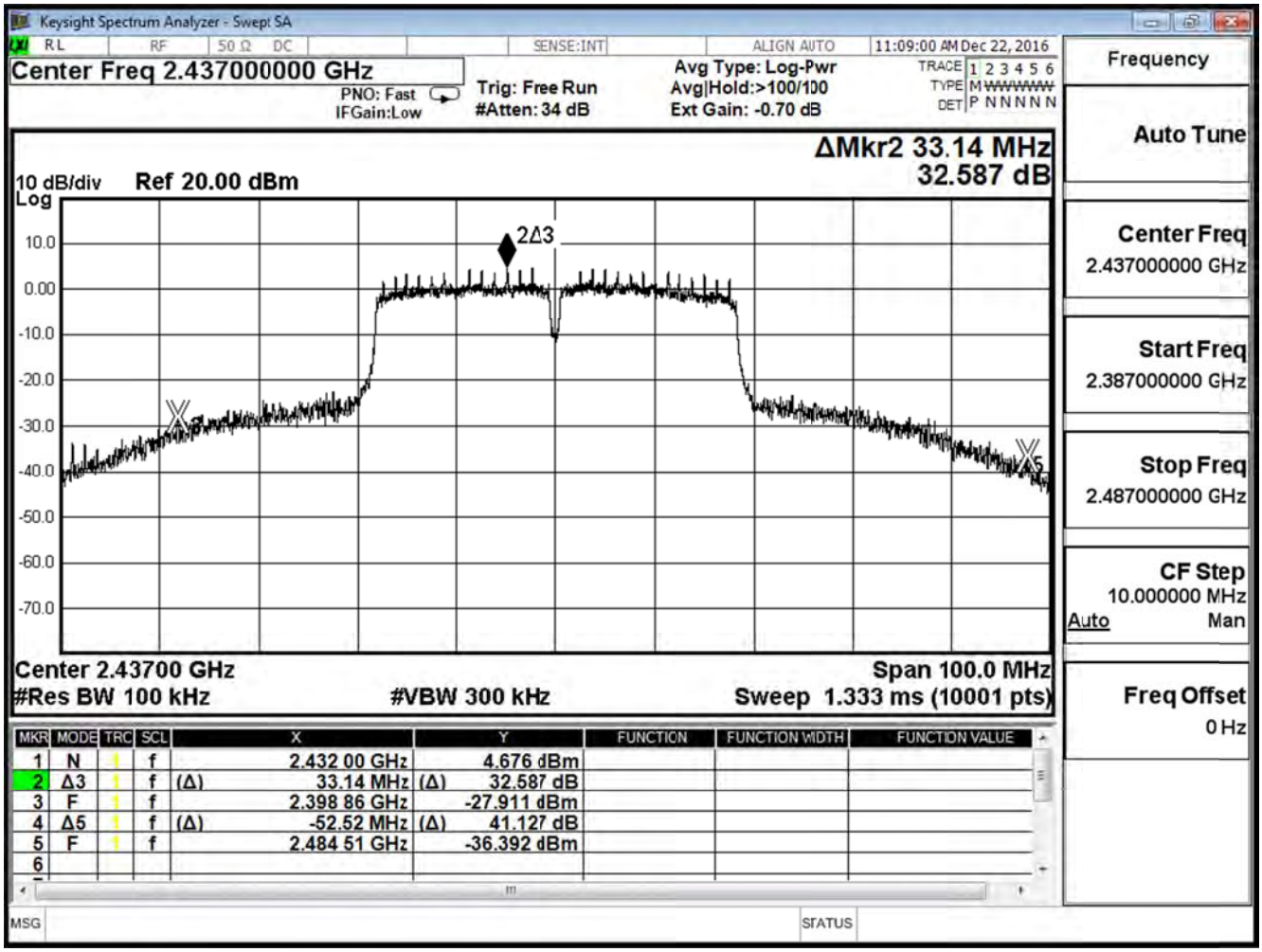
Product	Lyra mini		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Tx-AD2037320910LF-CDD Mode		
Date of Test	2016/12/22	Test Site	SR10-H

IEEE 802.11n_40M (ANT 0)				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	35.29	≧30	Pass
6	2437	32.59	≧30	Pass
9	2452	42.07	≧30	Pass

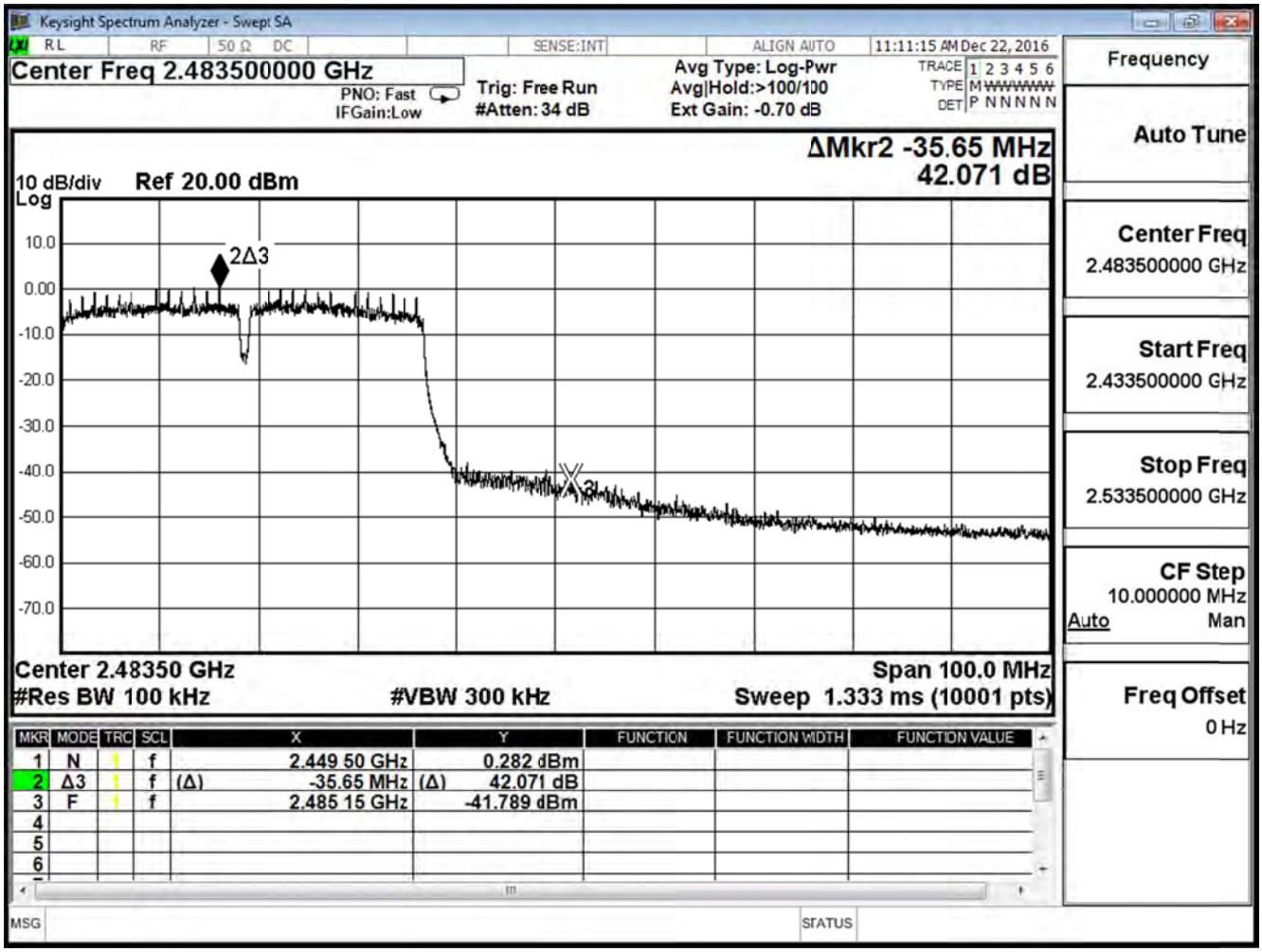
Channel 3



Channel 6


Keysight Spectrum Analyzer - Swept SA
RL
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
11:09:00 AM Dec 22, 2016
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 34 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -0.70 dB
TRACE 1 2 3 4 5 6
TYPE M WWWWW
DET P N N N N N
ΔMkr2 33.14 MHz
32.587 dB
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
2Δ3
Center 2.43700 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 1.333 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.432 00 GHz 4.676 dBm
2 Δ3 1 f (Δ) 33.14 MHz (Δ) 32.587 dB
3 F 1 f 2.398 86 GHz -27.911 dBm
4 Δ5 1 f (Δ) -52.52 MHz (Δ) 41.127 dB
5 F 1 f 2.484 51 GHz -36.392 dBm
6
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.387000000 GHz
Stop Freq
2.487000000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz

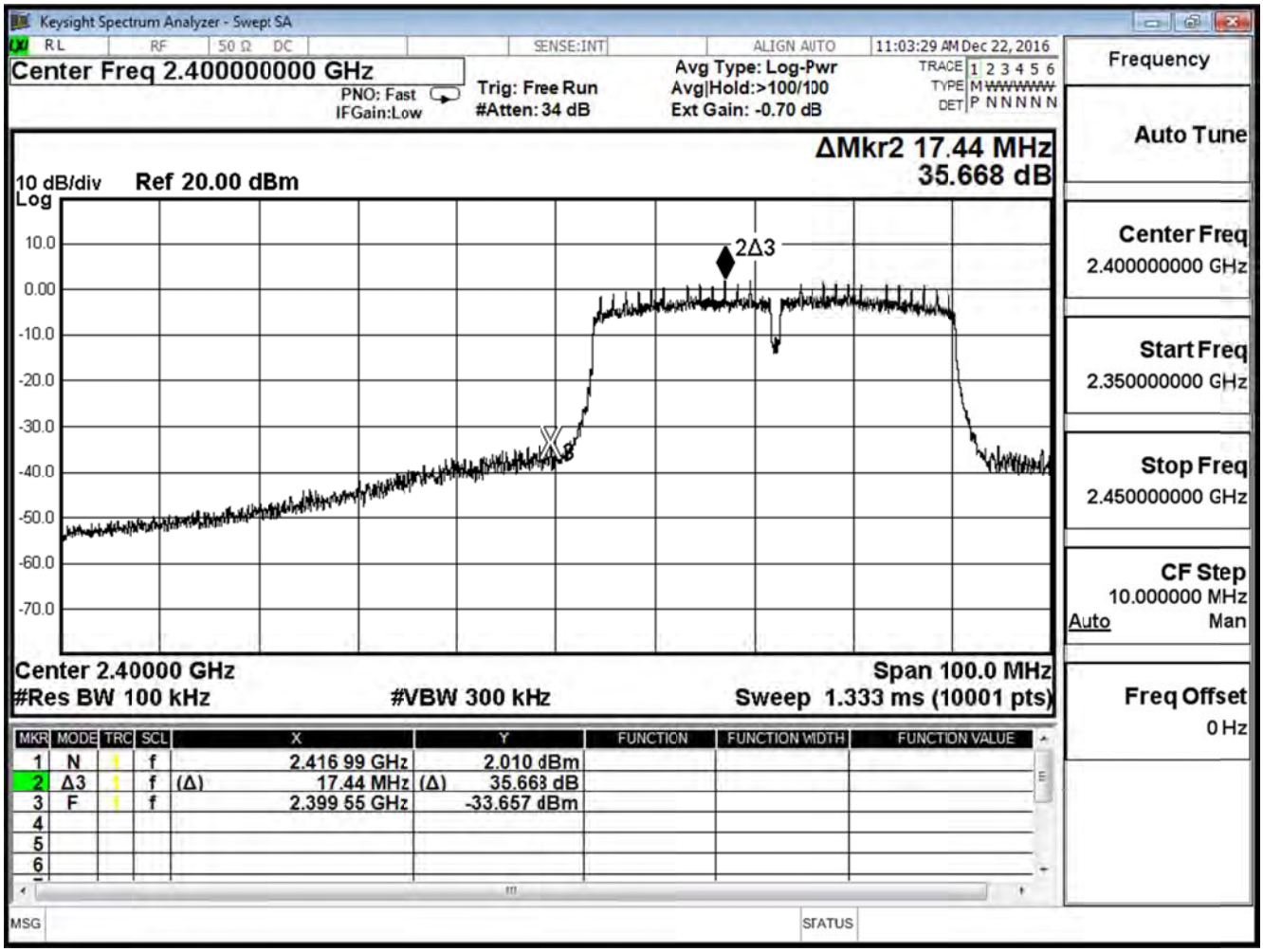
Channel 9


Keysight Spectrum Analyzer - Swept SA
RL
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
11:11:15 AM Dec 22, 2016
Center Freq 2.483500000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 34 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -0.70 dB
TRACE 1 2 3 4 5 6
TYPE M WWWWW
DET P N N N N N
ΔMkr2 -35.65 MHz
42.071 dB
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
2Δ3
Center 2.48350 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 1.333 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.449 50 GHz 0.282 dBm
2 Δ3 1 f (Δ) -35.65 MHz (Δ) 42.071 dB
3 F 1 f 2.485 15 GHz -41.789 dBm
4
5
6
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.483500000 GHz
Start Freq
2.433500000 GHz
Stop Freq
2.533500000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz

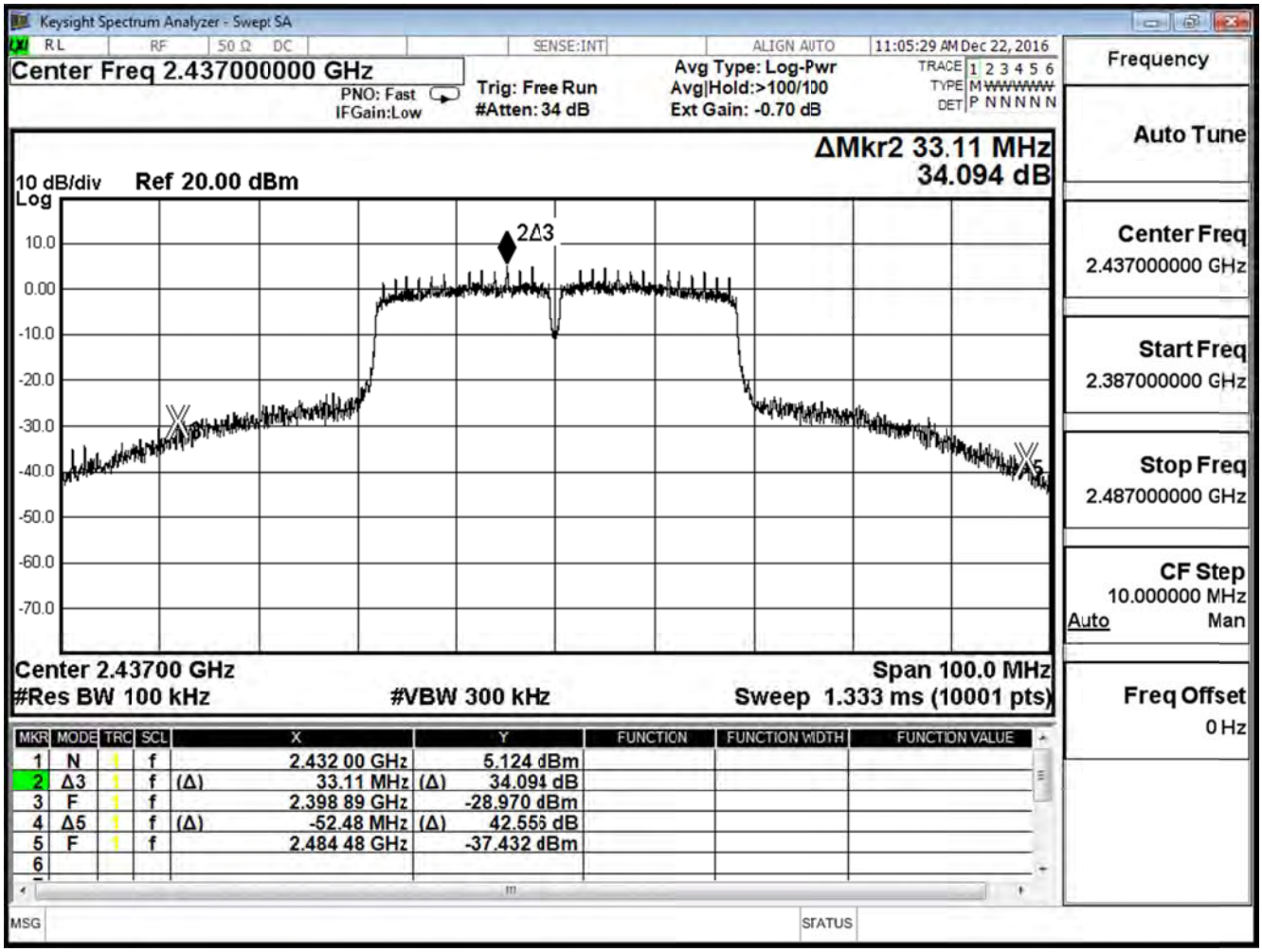
Product	Lyra mini		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Tx-AD2037320910LF-CDD Mode		
Date of Test	2016/12/22	Test Site	SR10-H

IEEE 802.11n_40M (ANT 1)				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	35.67	≧30	Pass
6	2437	34.09	≧30	Pass
9	2452	41.53	≧30	Pass

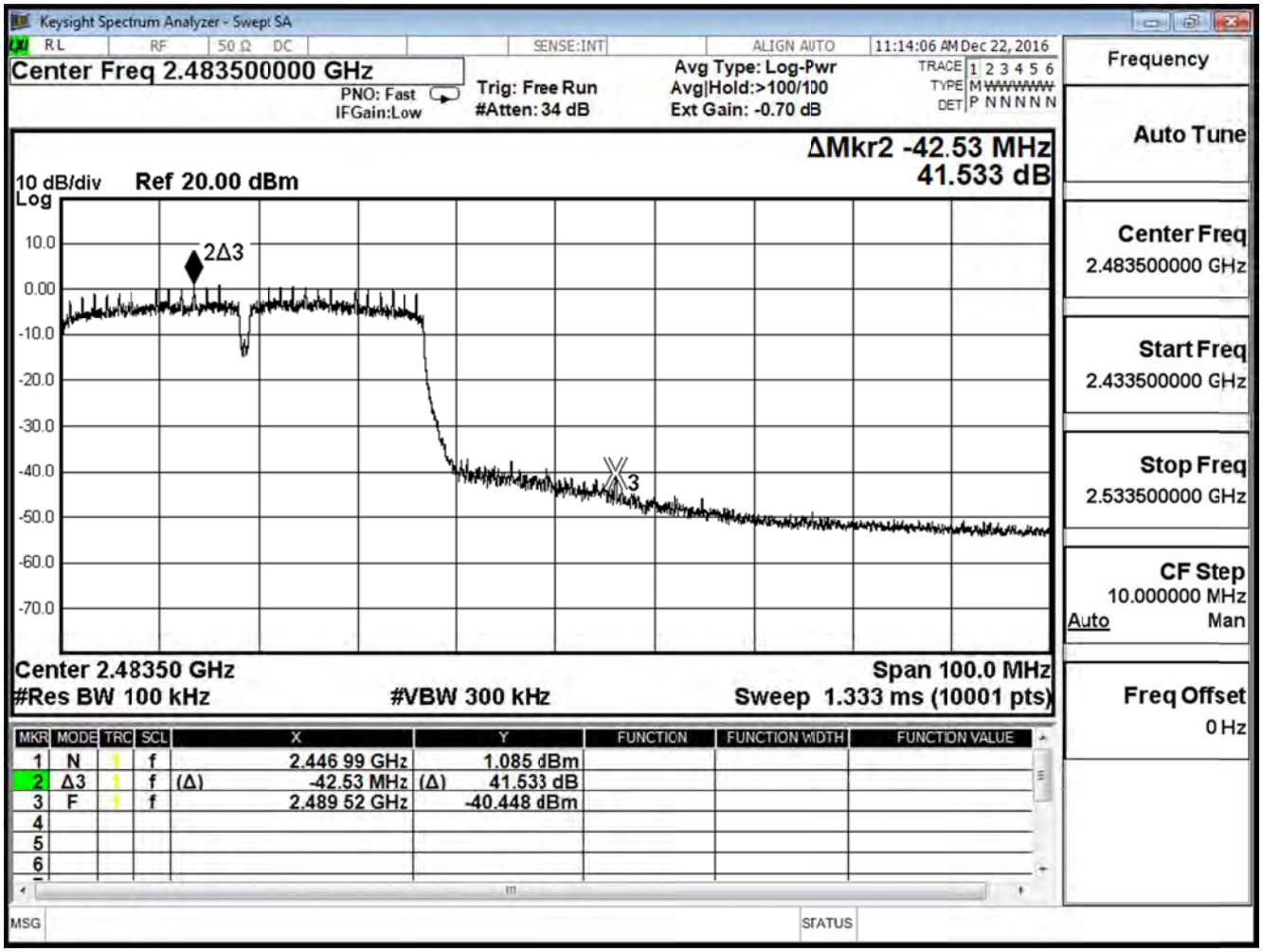
Channel 3



Channel 6

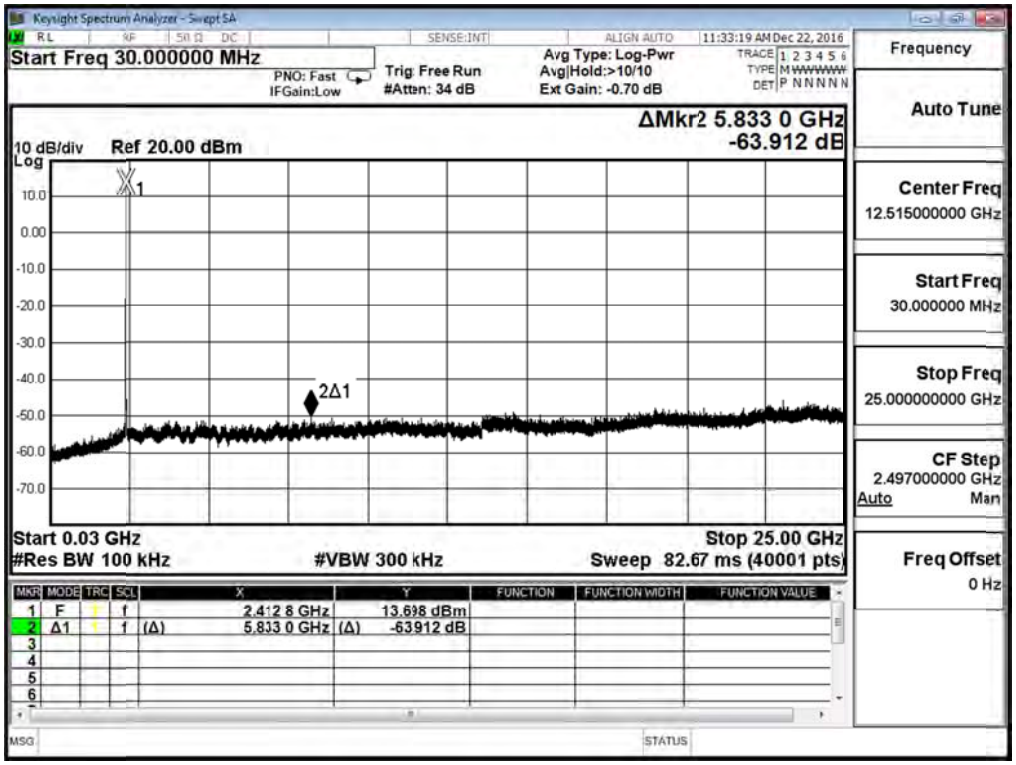

Keysight Spectrum Analyzer - Swept SA
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 34 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -0.70 dB
11:05:29 AM Dec 22, 2016
ΔMkr2 33.11 MHz
34.094 dB
10 dB/div
Log
Ref 20.00 dBm
Center 2.43700 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 1.333 ms (10001 pts)
1 N 1 f 2.432 00 GHz 5.124 dBm
2 Δ3 1 f (Δ) 33.11 MHz (Δ) 34.094 dB
3 F 1 f 2.398 89 GHz -28.970 dBm
4 Δ5 1 f (Δ) -52.48 MHz (Δ) 42.555 dB
5 F 1 f 2.484 48 GHz -37.432 dBm
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.387000000 GHz
Stop Freq
2.487000000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 9

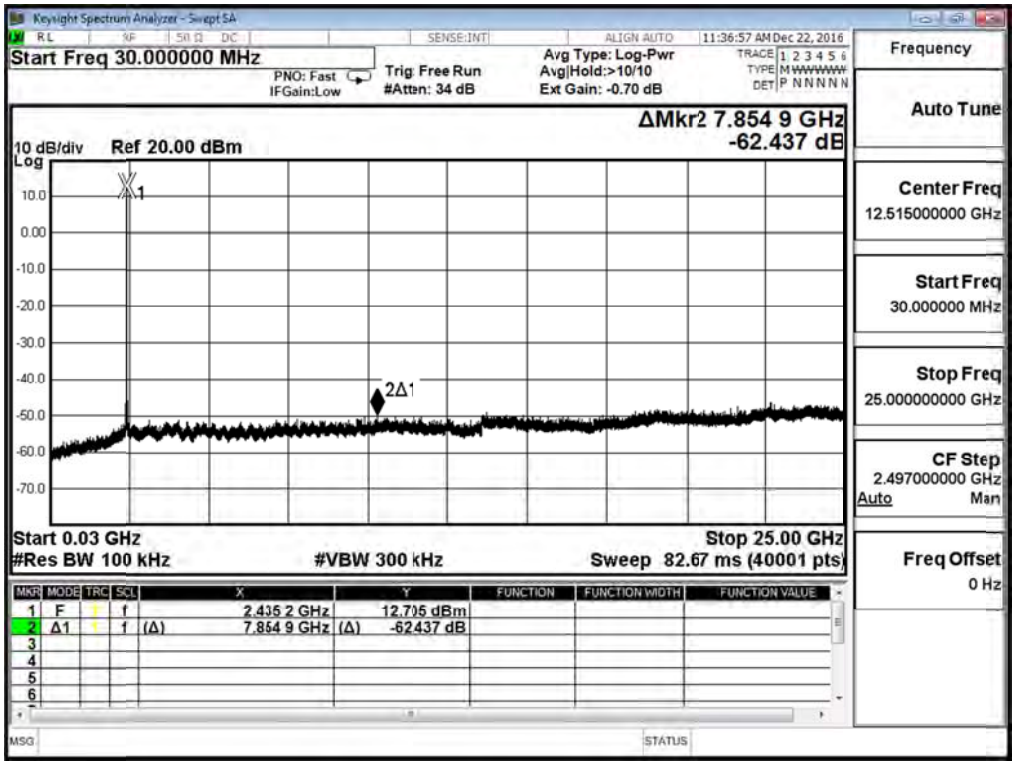

Keysight Spectrum Analyzer - Swept SA
RL
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
11:14:06 AM Dec 22, 2016
Center Freq 2.483500000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 34 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -0.70 dB
TRACE 1 2 3 4 5 6
TYPE M WWWWW
DET P N N N N N
ΔMkr2 -42.53 MHz
41.533 dB
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
2Δ3
3
Center 2.48350 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 1.333 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.446 99 GHz 1.085 dBm
2 Δ3 1 f (Δ) -42.53 MHz (Δ) 41.533 dB
3 F 1 f 2.489 52 GHz -40.448 dBm
4
5
6
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.483500000 GHz
Start Freq
2.433500000 GHz
Stop Freq
2.533500000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz

Product	Lyra mini		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Tx-AD2037320910LF-CDD Mode		
Date of Test	2016/12/22	Test Site	SR10-H

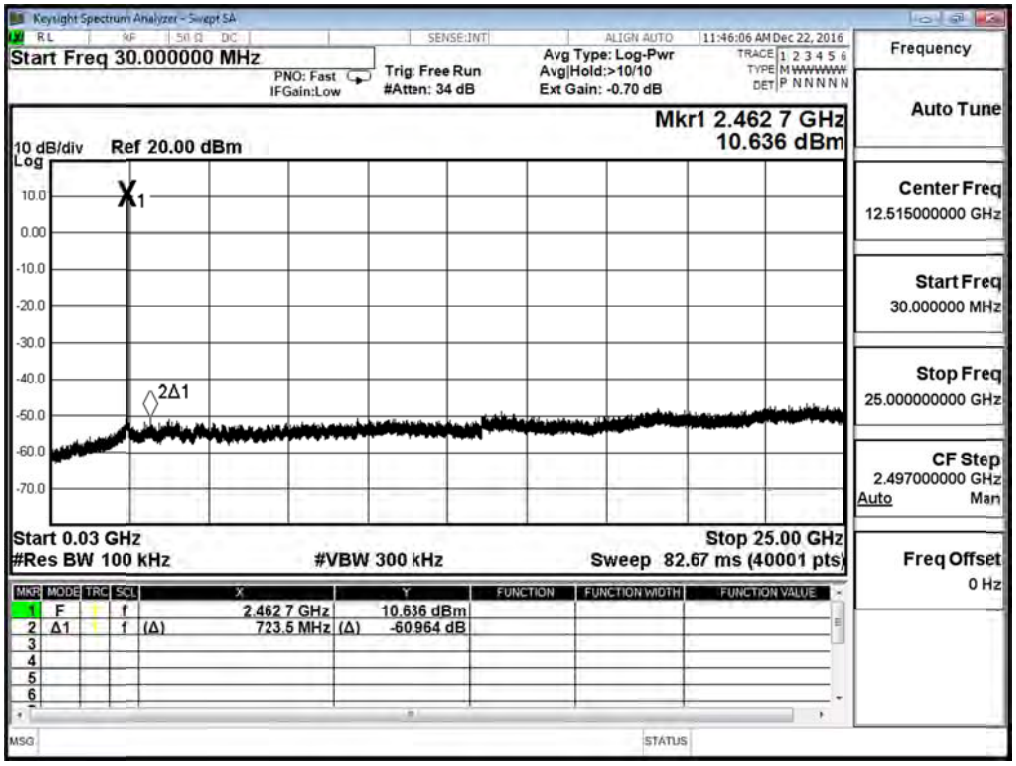
2412MHz (30MHz-25GHz)-802.11b (ANT 0)



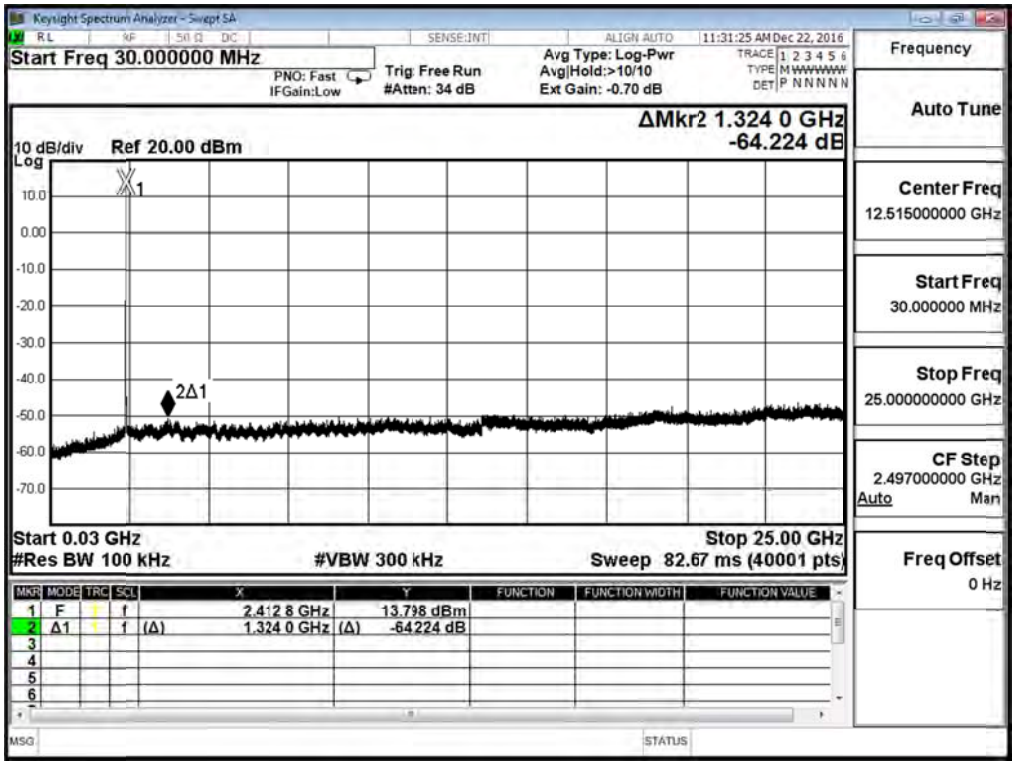
2437MHz (30MHz-25GHz)-802.11b (ANT 0)



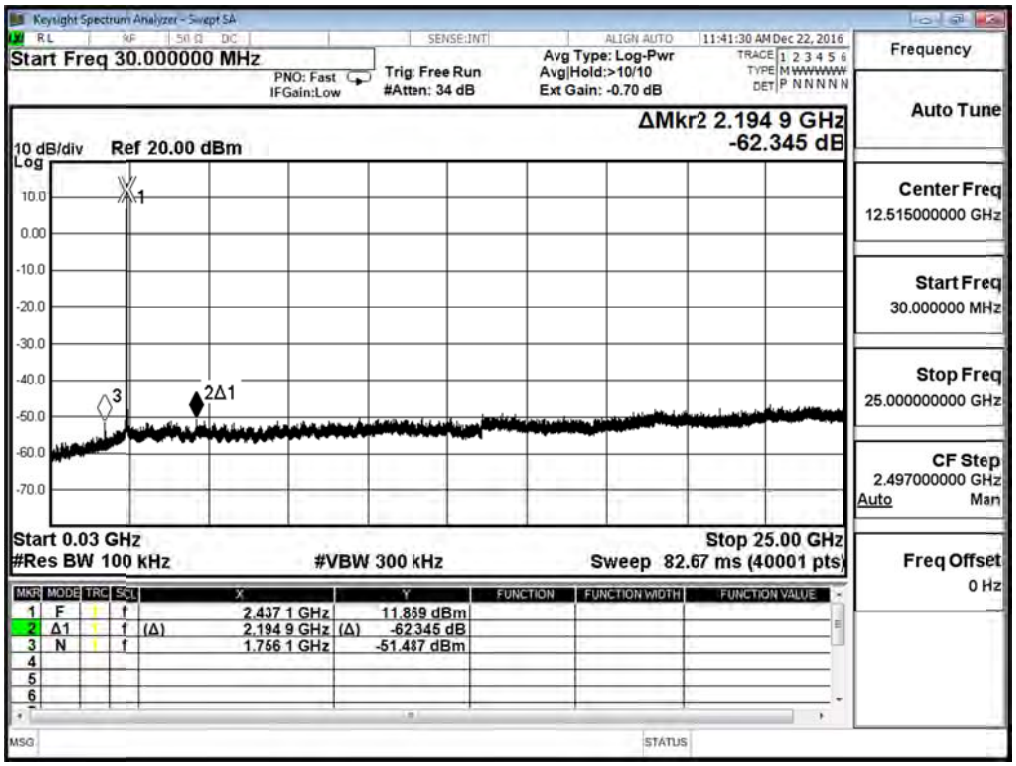
2462MHz (30MHz-25GHz)-802.11b (ANT 0)



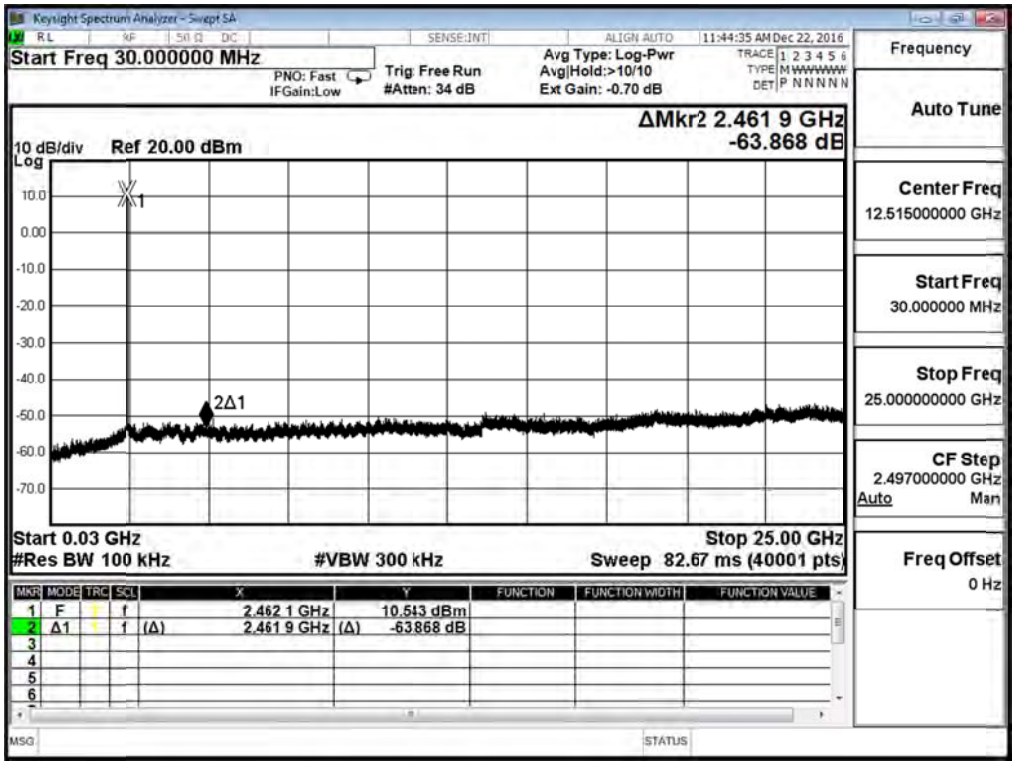
2412MHz (30MHz-25GHz)-802.11b (ANT 1)



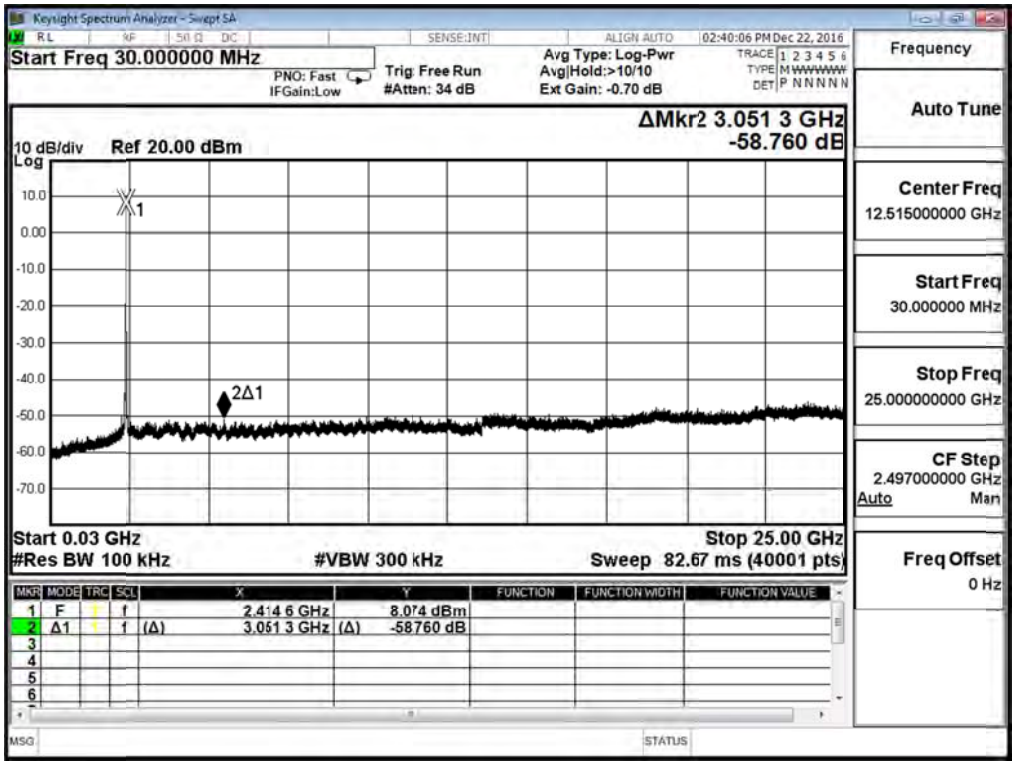
2437MHz (30MHz-25GHz)-802.11b (ANT 1)



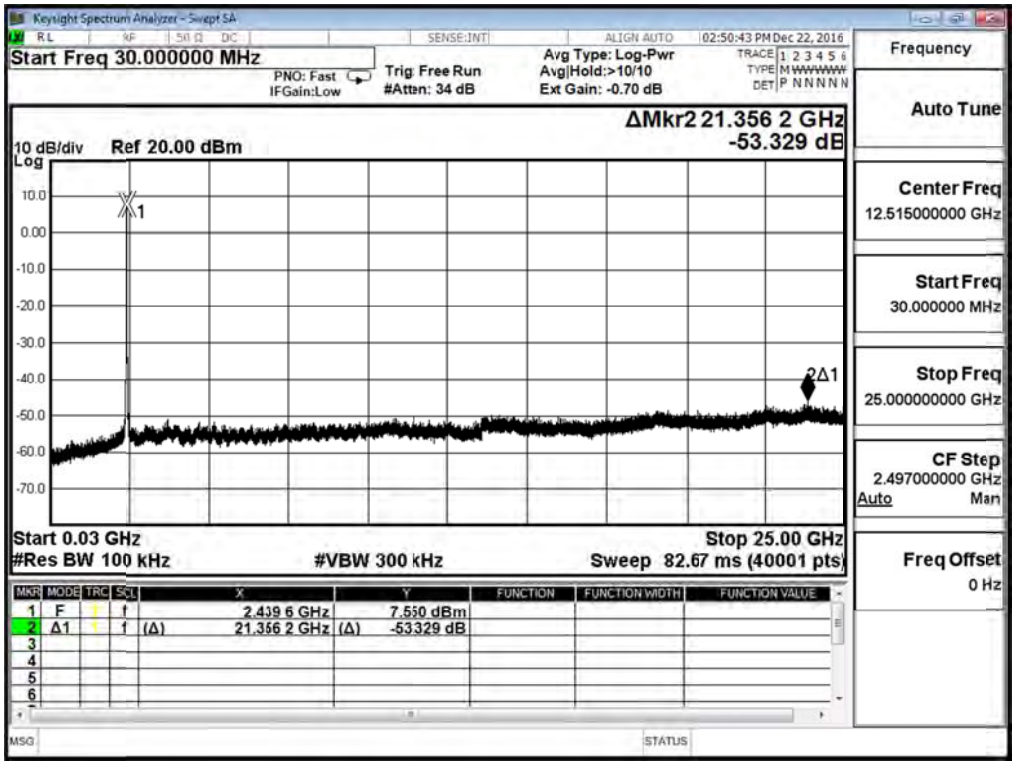
2462MHz (30MHz-25GHz)-802.11b (ANT 1)



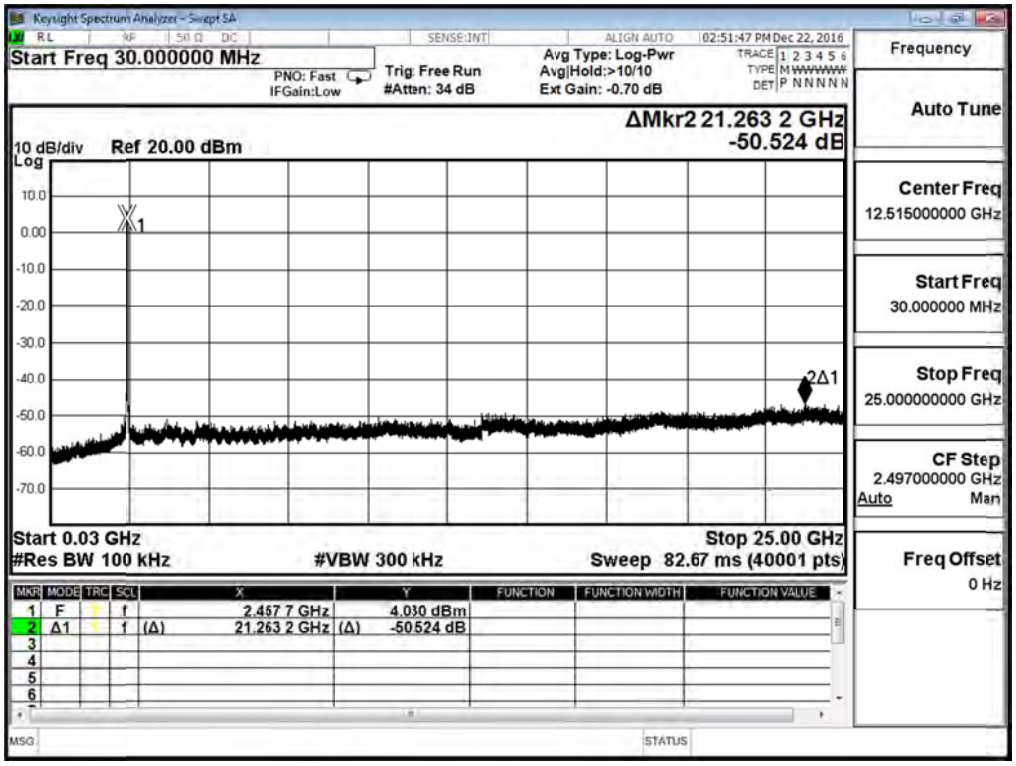
2412MHz (30MHz-25GHz)-802.11g (ANT 0)



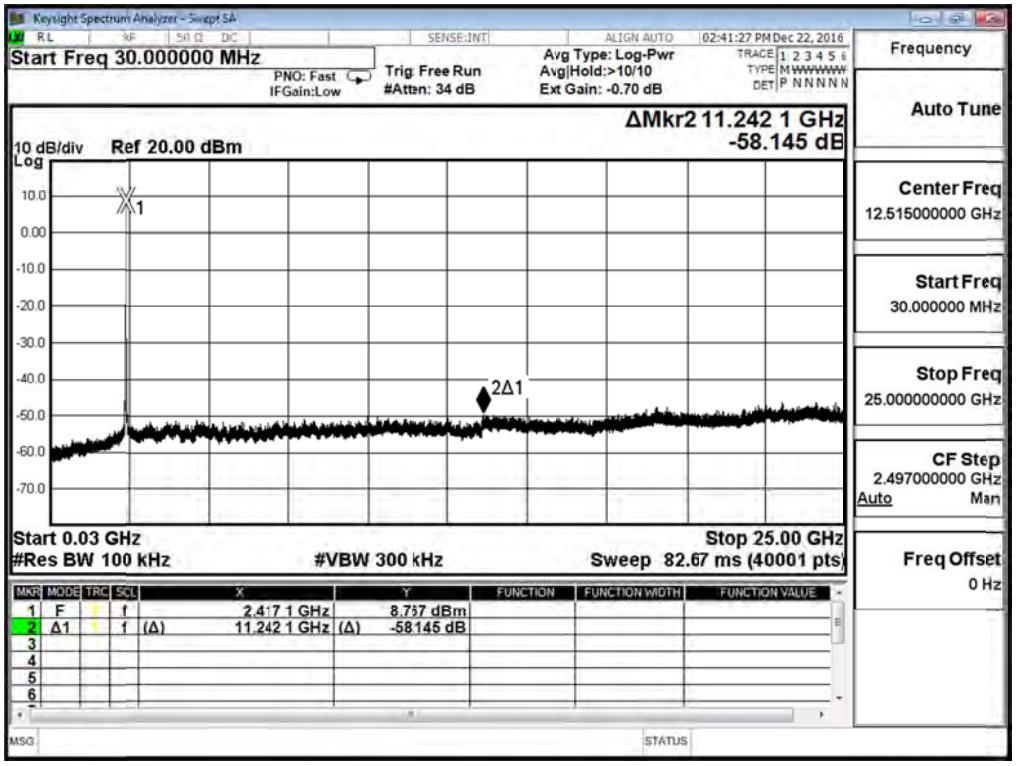
2437MHz (30MHz-25GHz)-802.11 g (ANT 0)



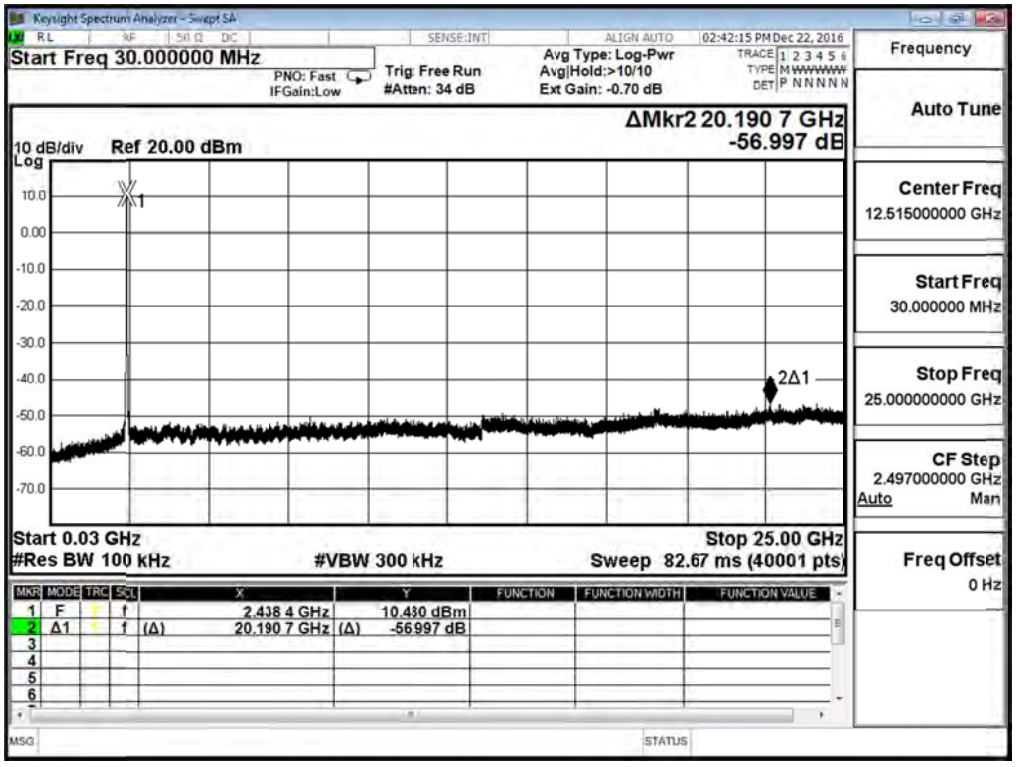
2462MHz (30MHz-25GHz)-802.11g (ANT 0)



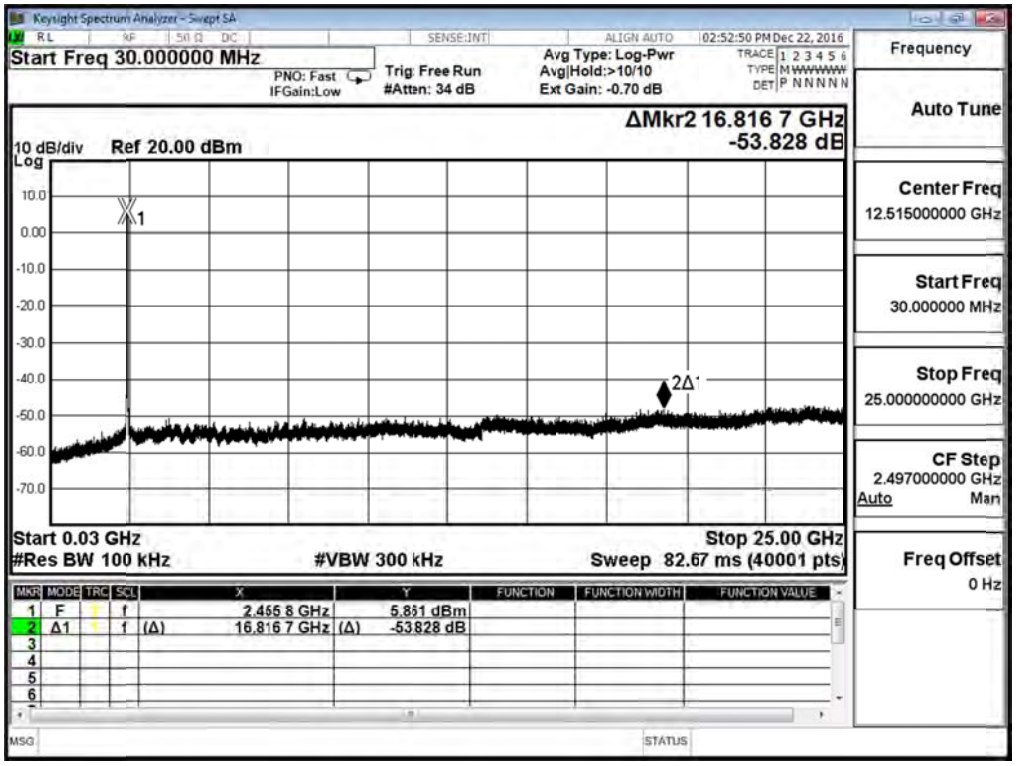
2412MHz (30MHz-25GHz)-802.11g (ANT 1)



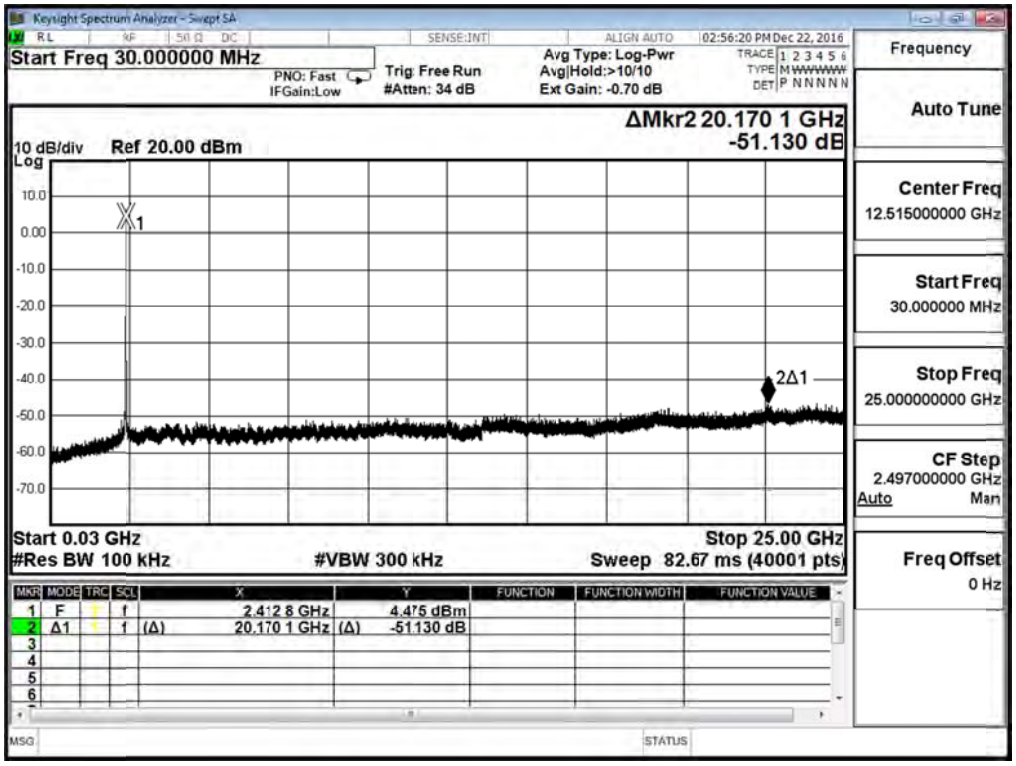
2437MHz (30MHz-25GHz)-802.11 g (ANT 1)



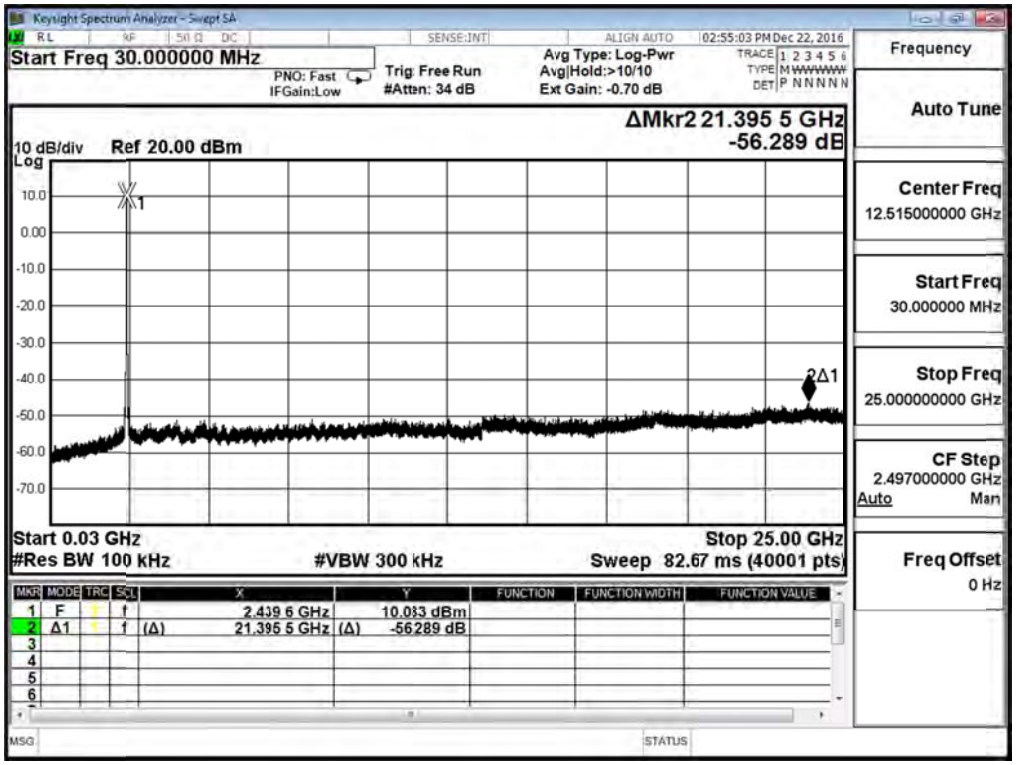
2462MHz (30MHz-25GHz)-802.11g (ANT 1)



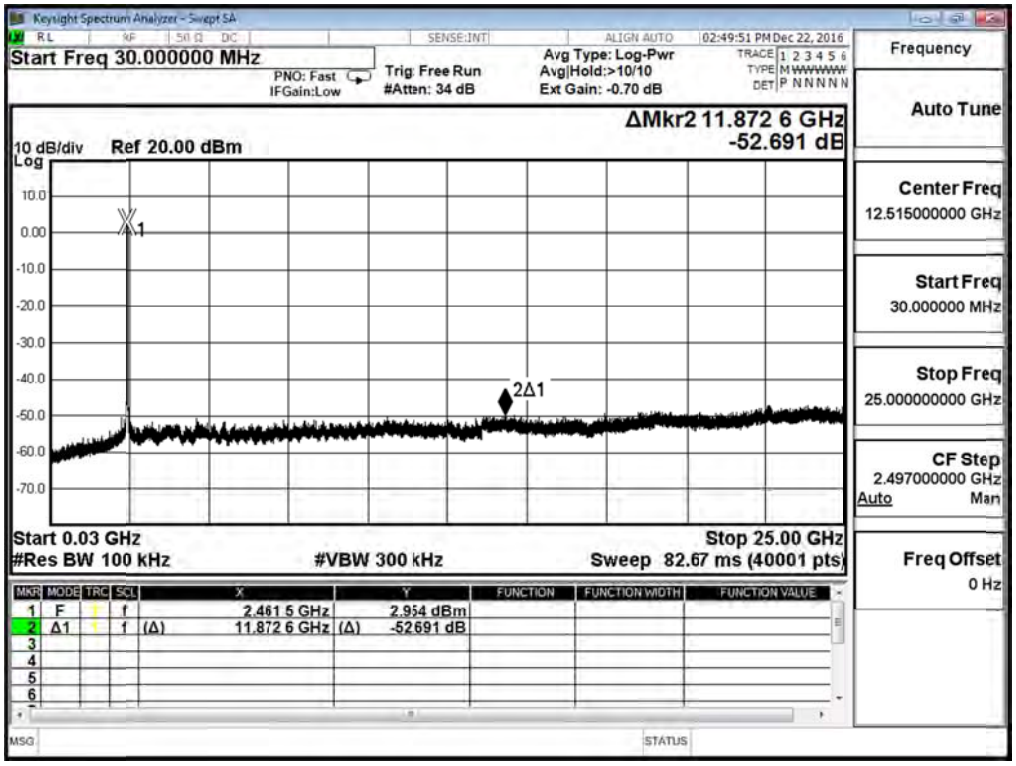
2412MHz (30MHz-25GHz)- IEEE802.11n 20MHz (ANT 0)



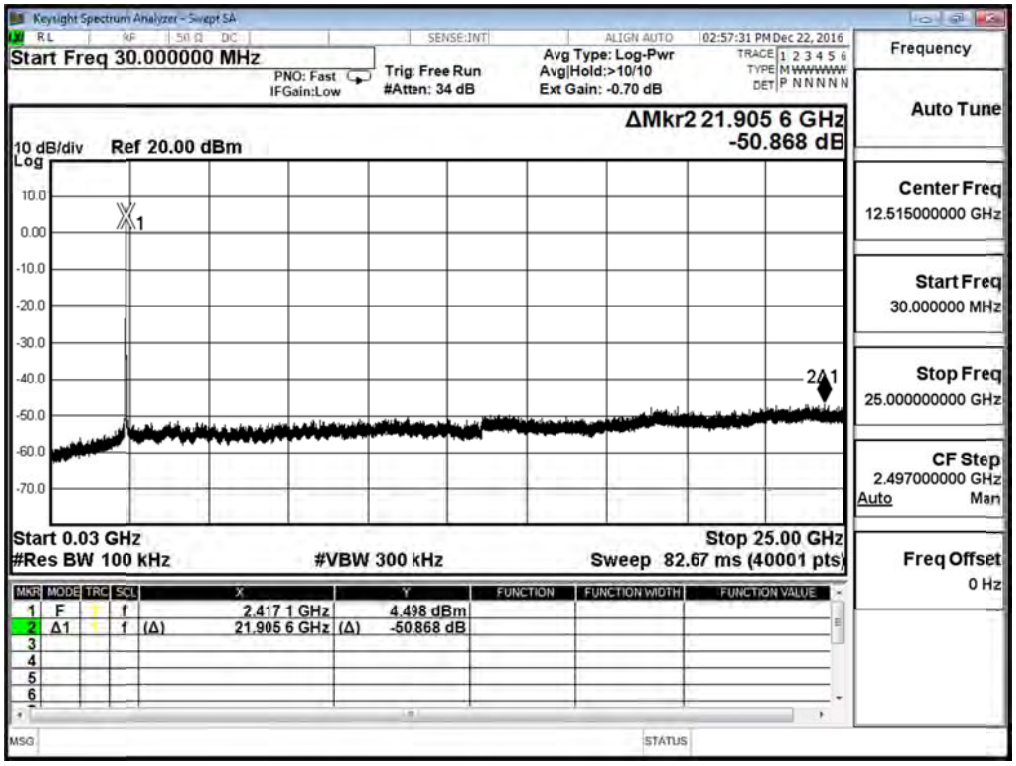
2437MHz (30MHz-25GHz)- IEEE802.11n 20MHz (ANT 0)



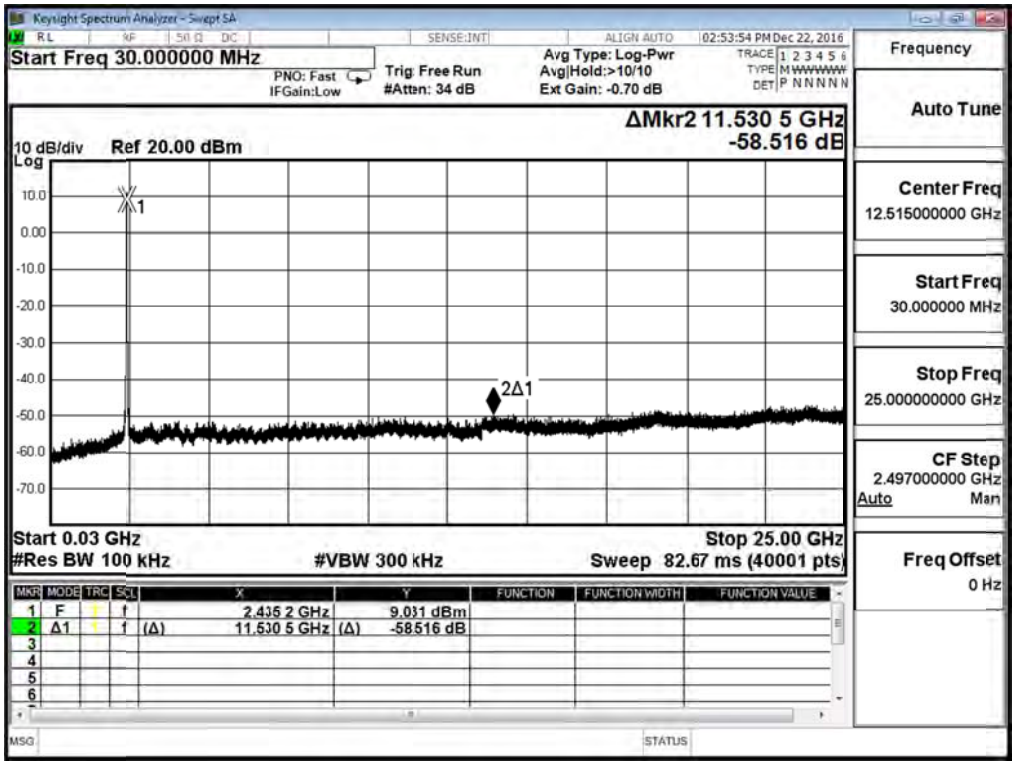
2462MHz (30MHz-25GHz)- IEEE802.11n 20MHz (ANT 0)



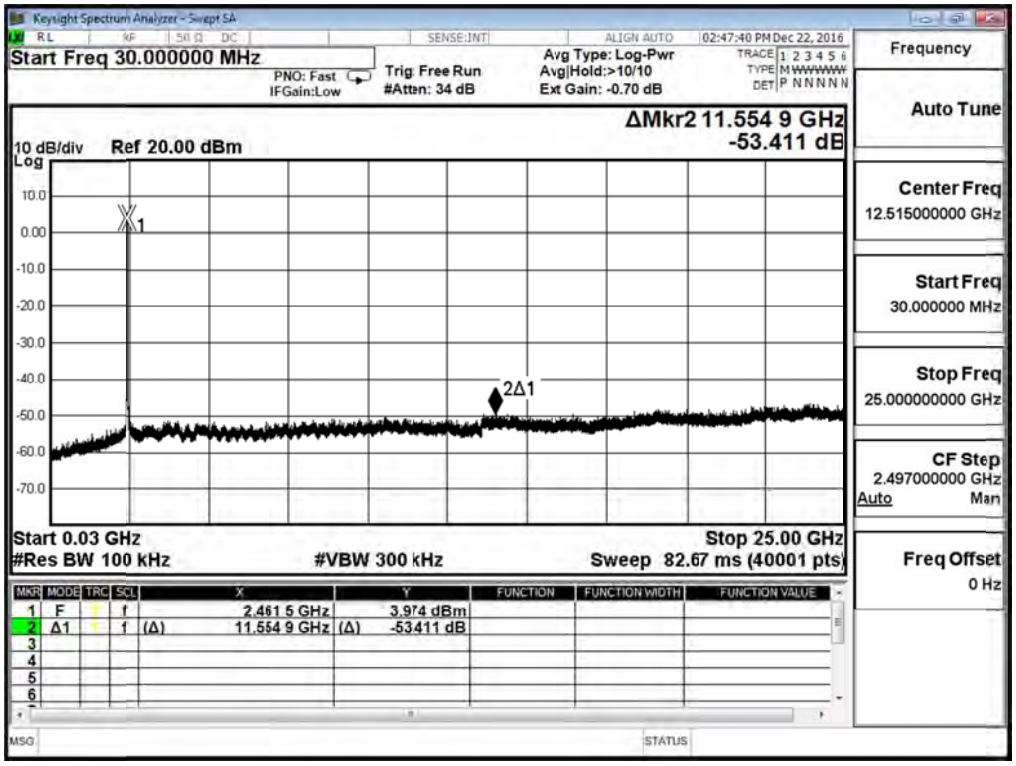
2412MHz (30MHz-25GHz)- IEEE802.11n 20MHz (ANT 1)



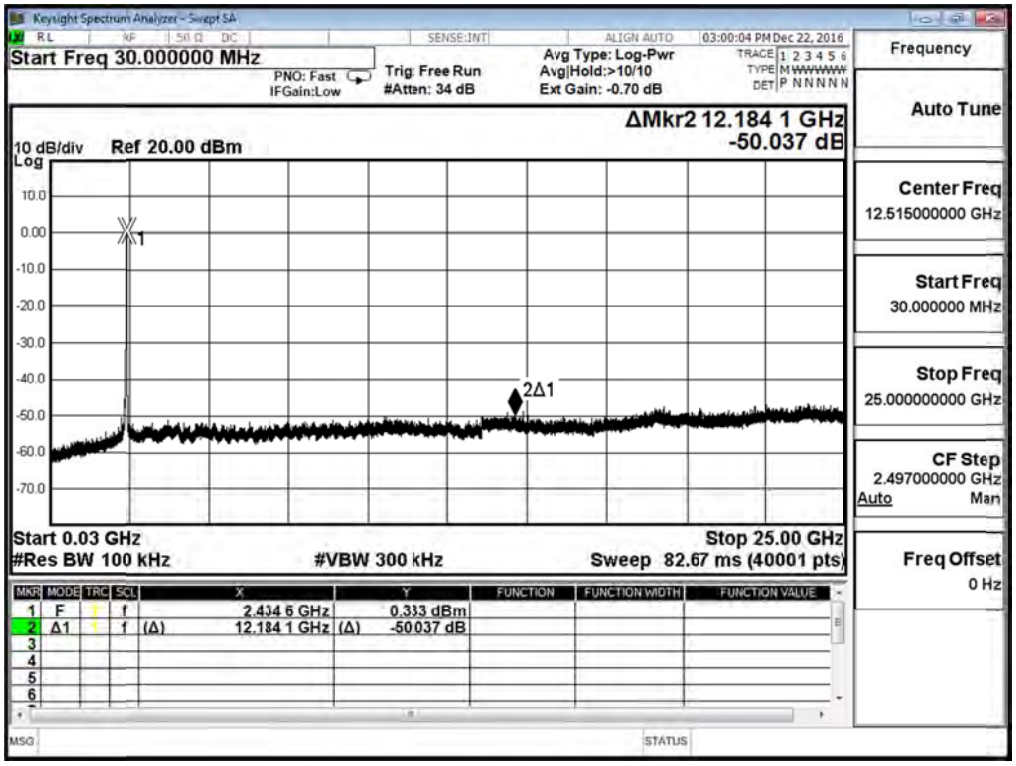
2437MHz (30MHz-25GHz)- IEEE802.11n 20MHz (ANT 1)



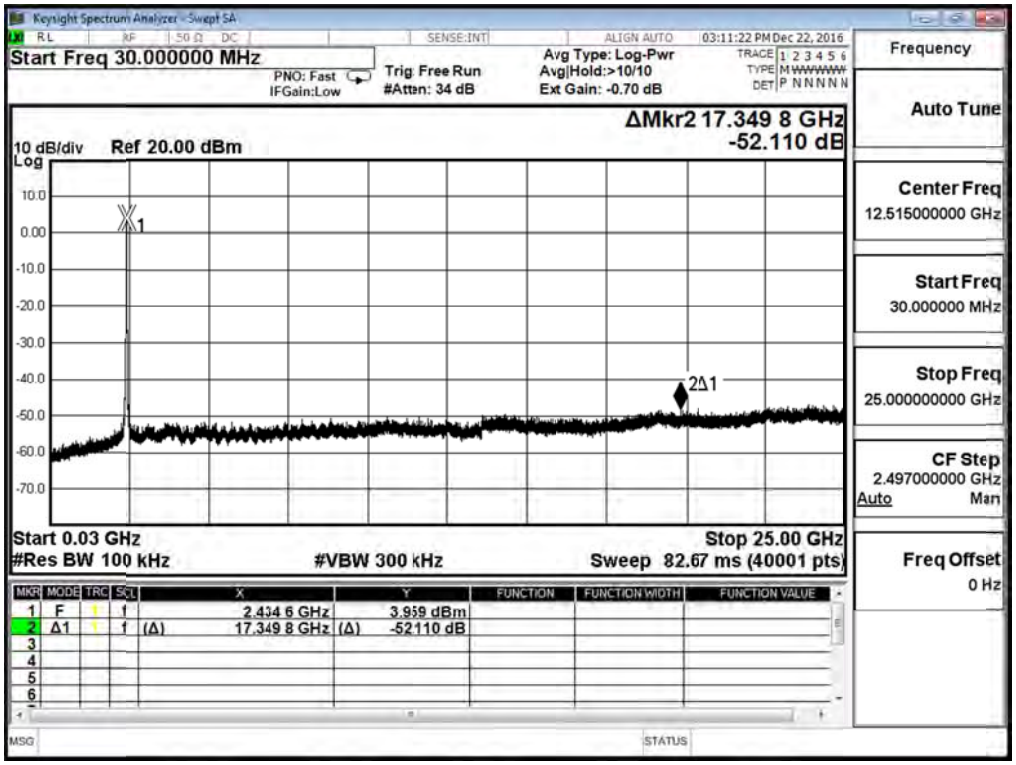
2462MHz (30MHz-25GHz)- IEEE802.11n 20MHz (ANT 1)



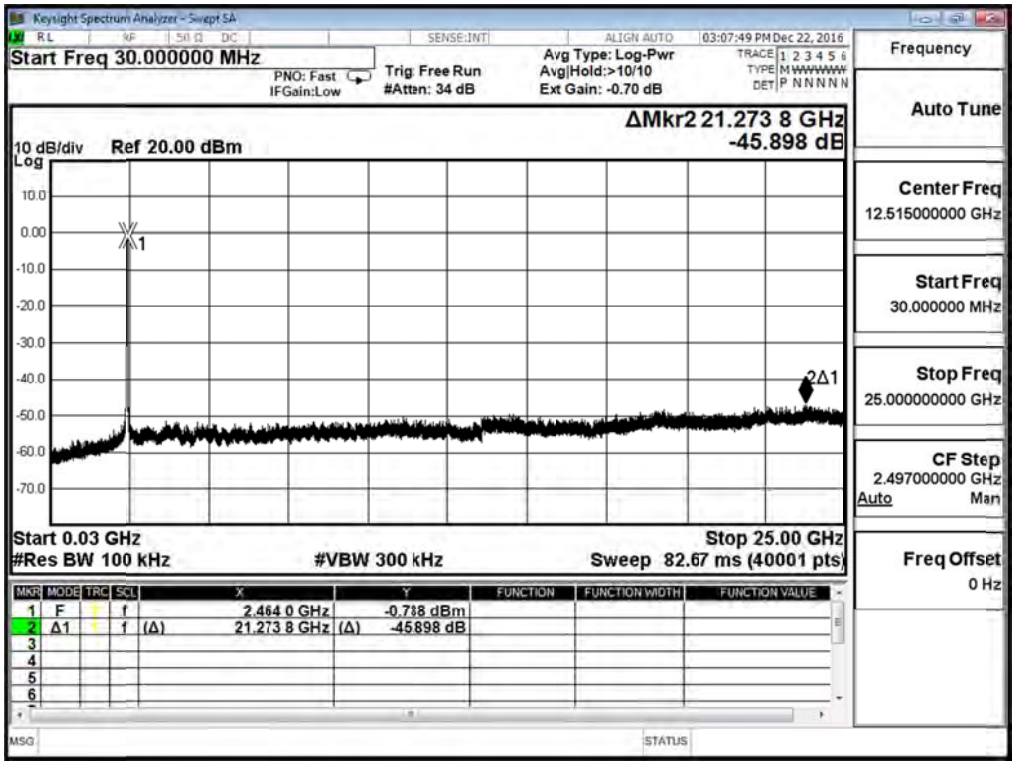
2422MHz (30MHz-25GHz)- IEEE802.11n 40MHz (ANT 0)



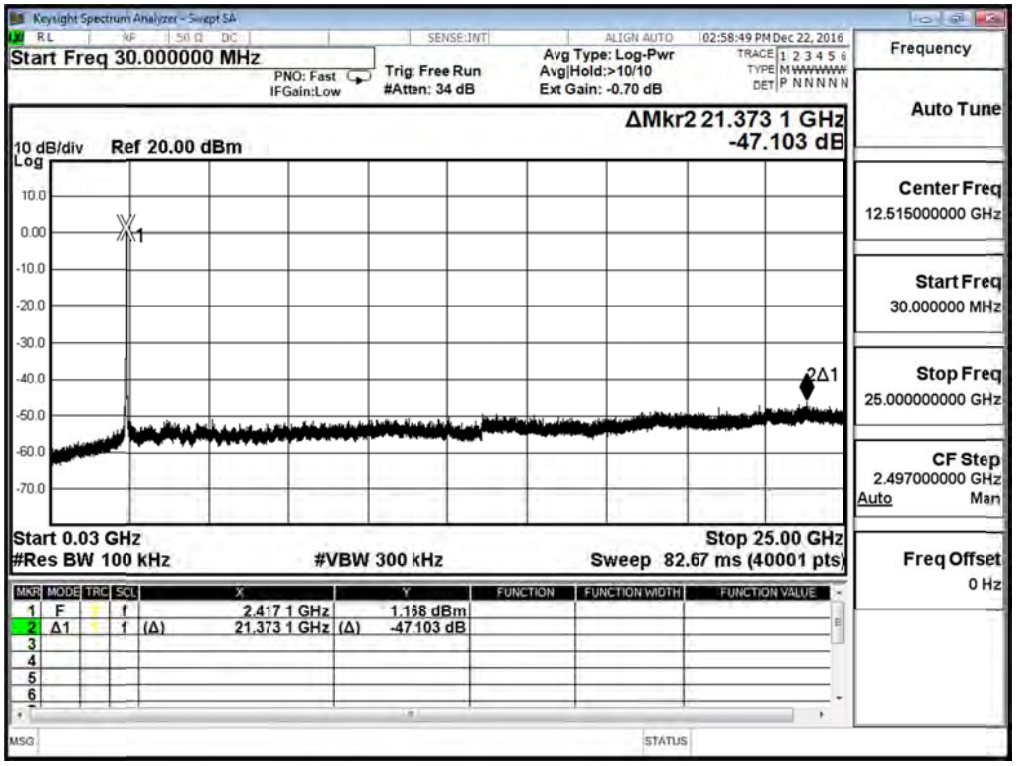
2437MHz (30MHz-25GHz)- IEEE802.11n 40MHz (ANT 0)



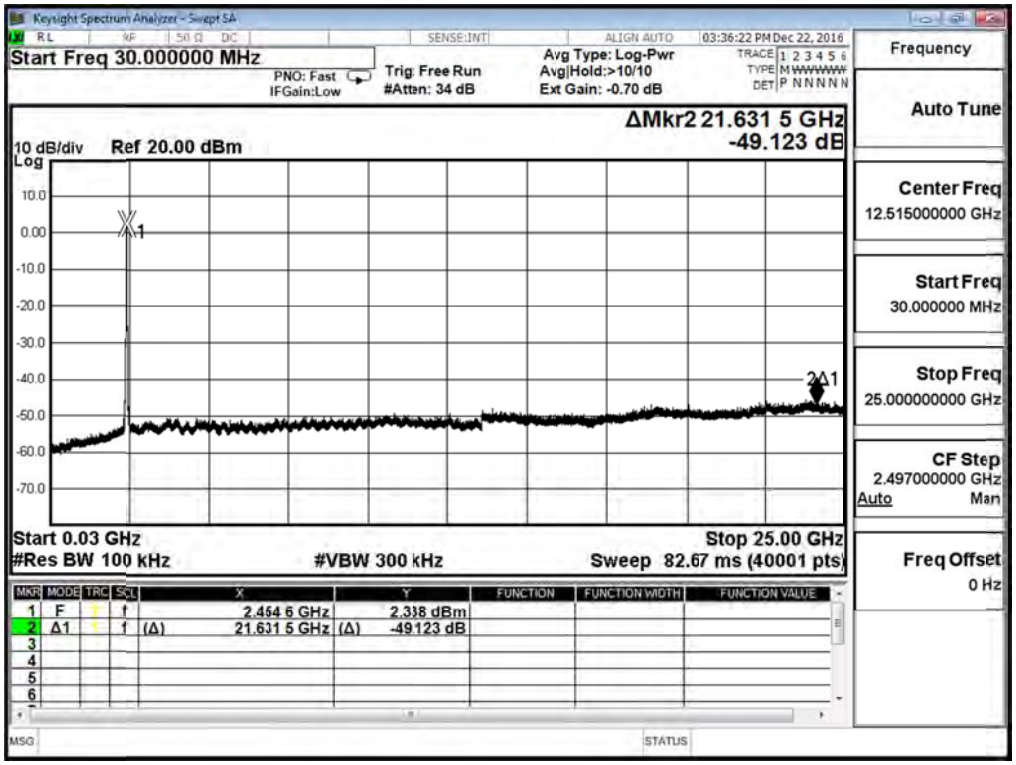
2452MHz (30MHz-25GHz)- IEEE802.11n 40MHz (ANT 0)



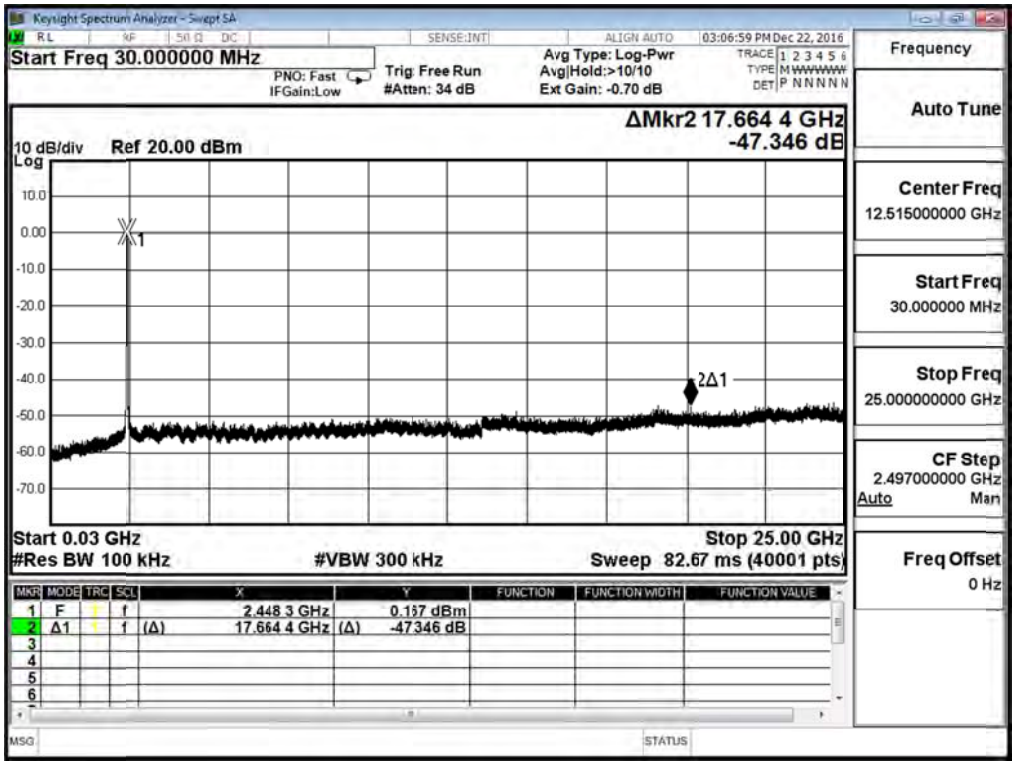
2422MHz (30MHz-25GHz)- IEEE802.11n 40MHz (ANT 1)



2437MHz (30MHz-25GHz)- IEEE802.11n 40MHz (ANT 1)



2452MHz (30MHz-25GHz)- IEEE802.11n 40MHz (ANT 1)



6. Band Edge

6.1. Test Equipment

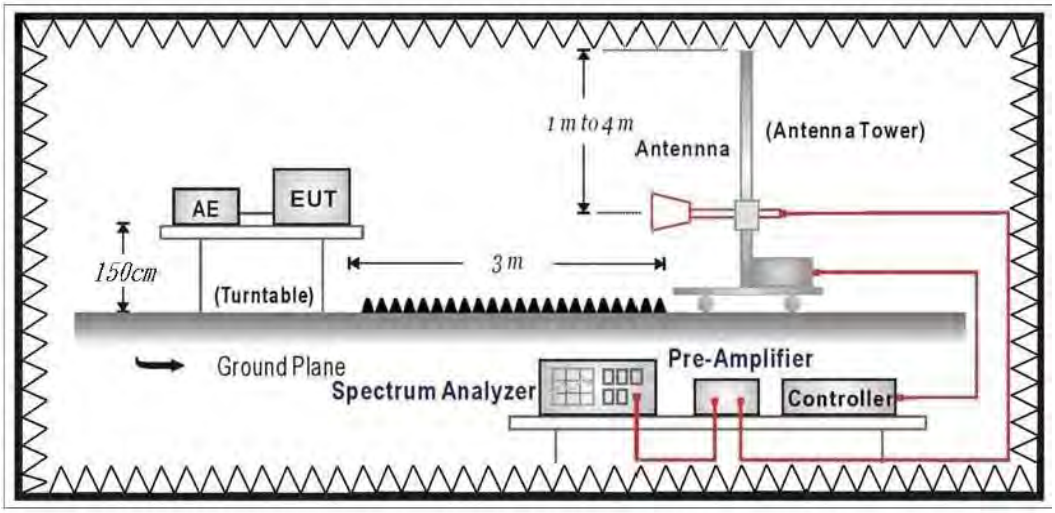
The following test equipments are used during the test:

Band Edge / CB4-H

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Horn Antenna	Schwarzbeck	BBHA 9120	D312	2017/10/25
Signal & Spectrum Analyzer	R&S	FSV40	101049	2018/01/05

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

6.2. Test Setup



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 DTS test procedure of KDB558074 v03r05 for compliance to FCC 47CFR 15.247 requirements.
The EUT and its simulators are placed on a turn table which is 1.5 meter above ground.
The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10:2013 on radiated measurement.

6.5. Test Specification

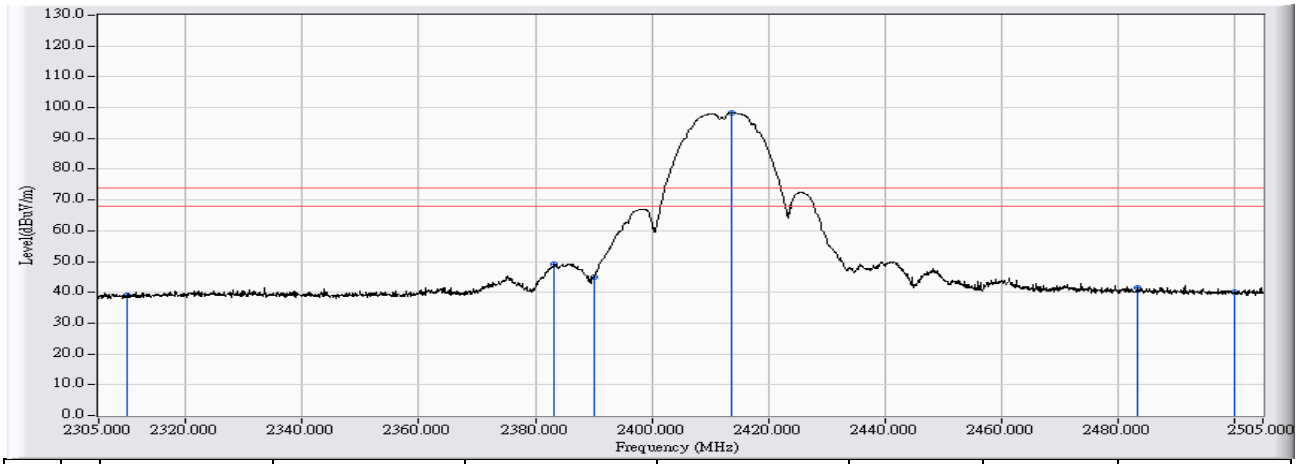
According to FCC Part 15 Subpart C Paragraph 15.247: 2015

6.6. Uncertainty

The measurement uncertainty
± 3.9 dB above 1GHz

6.7. Test Result

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11b_2412MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

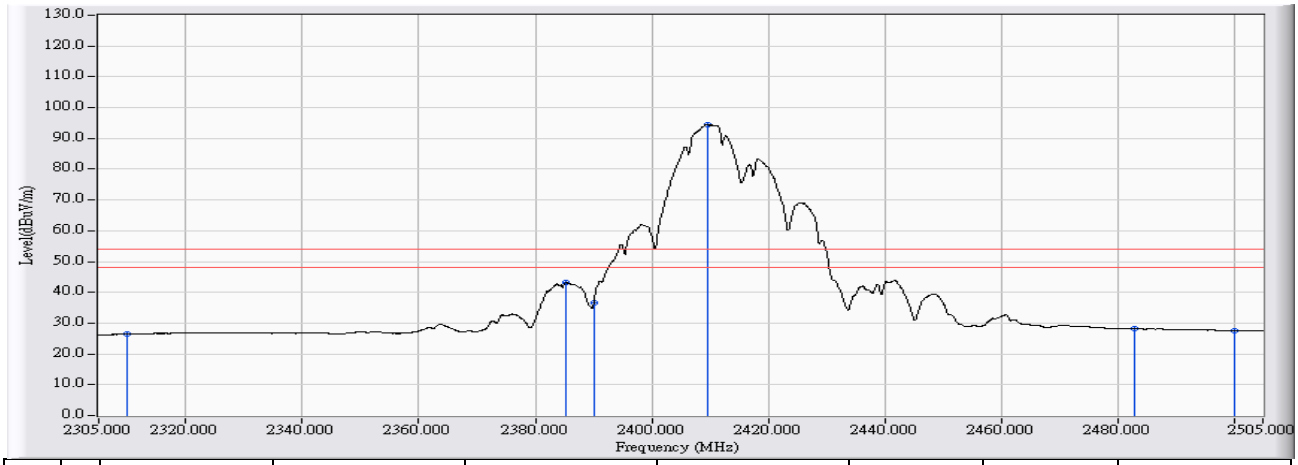


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	25.724	39.070	-34.930	74.000	PEAK
2		2383.300	13.799	35.236	49.035	-24.965	74.000	PEAK
3		2390.000	13.840	31.289	45.129	-28.871	74.000	PEAK
4	*	2413.800	13.987	84.317	98.304	24.304	74.000	PEAK
5		2483.500	14.417	26.901	41.319	-32.681	74.000	PEAK
6		2500.000	14.518	25.534	40.053	-33.947	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11b_2412MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

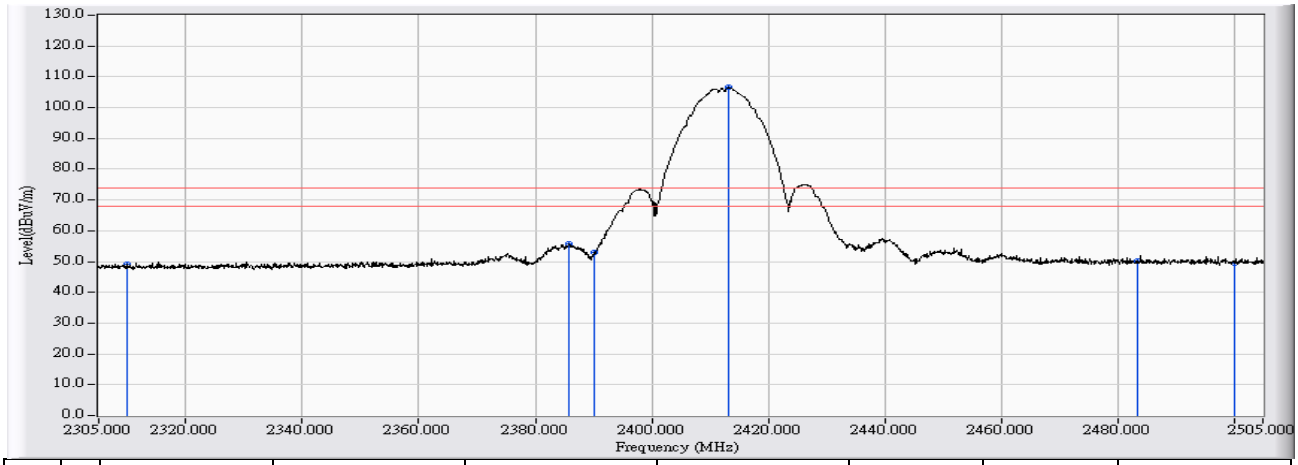


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	12.998	26.344	-27.656	54.000	AVERAGE
2		2385.200	13.810	29.396	43.207	-10.793	54.000	AVERAGE
3		2390.000	13.840	22.656	36.496	-17.504	54.000	AVERAGE
4	*	2409.600	13.961	80.507	94.468	40.468	54.000	AVERAGE
5		2483.000	14.414	13.779	28.194	-25.806	54.000	AVERAGE
6		2500.000	14.518	13.105	27.624	-26.376	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11b_2412MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

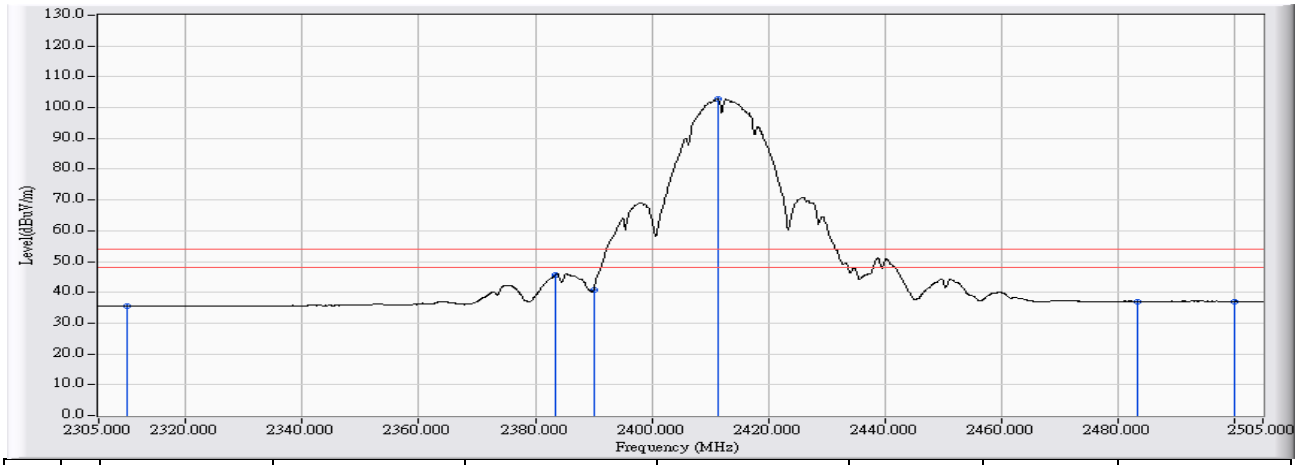


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	35.822	49.168	-24.832	74.000	PEAK
2		2385.700	13.814	41.900	55.714	-18.286	74.000	PEAK
3		2390.000	13.840	39.064	52.904	-21.096	74.000	PEAK
4	*	2413.300	13.984	92.491	106.475	32.475	74.000	PEAK
5		2483.500	14.417	35.747	50.165	-23.835	74.000	PEAK
6		2500.000	14.518	34.974	49.493	-24.507	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11b_2412MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

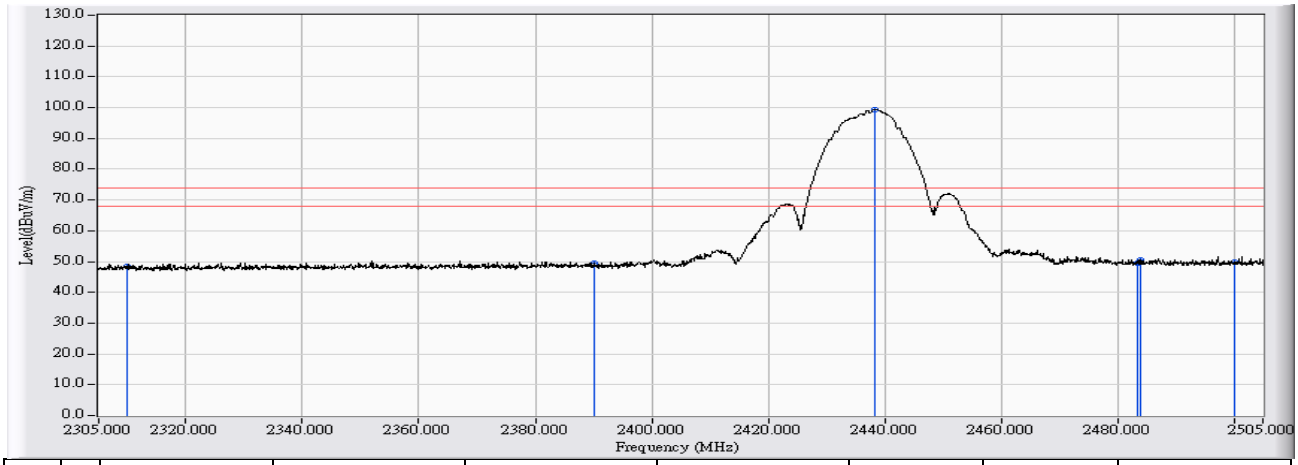


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	22.099	35.445	-18.555	54.000	AVERAGE
2		2383.500	13.799	32.005	45.805	-8.195	54.000	AVERAGE
3		2390.000	13.840	26.873	40.713	-13.287	54.000	AVERAGE
4	*	2411.300	13.972	88.972	102.944	48.944	54.000	AVERAGE
5		2483.500	14.417	22.699	37.117	-16.883	54.000	AVERAGE
6		2500.000	14.518	22.526	37.045	-16.955	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11b_2437MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

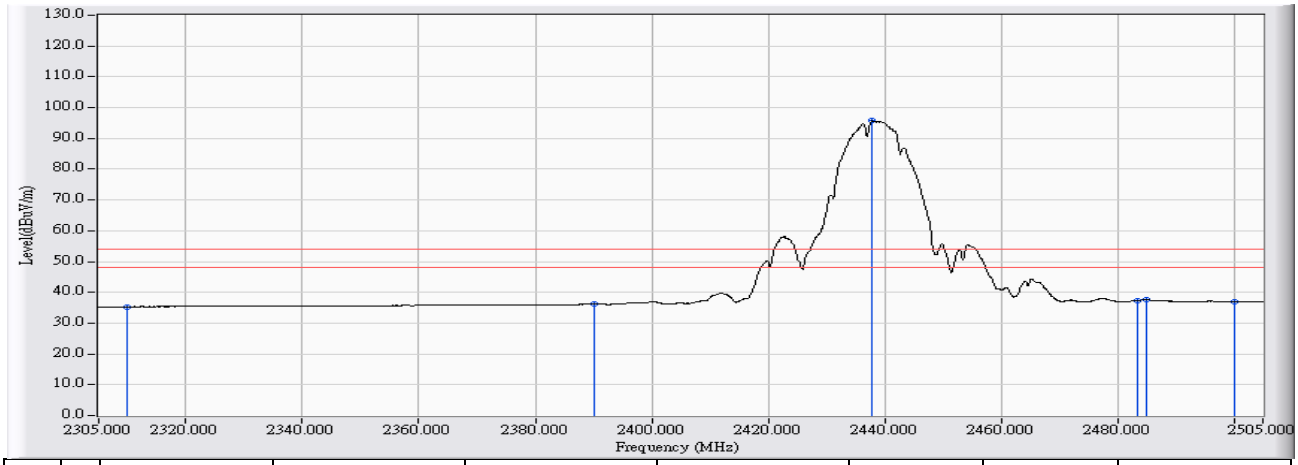


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	35.063	48.409	-25.591	74.000	PEAK
2		2390.000	13.840	35.800	49.640	-24.360	74.000	PEAK
3	*	2438.300	14.138	85.284	99.423	25.423	74.000	PEAK
4		2483.500	14.417	35.113	49.531	-24.469	74.000	PEAK
5		2484.000	14.421	36.244	50.665	-23.335	74.000	PEAK
6		2500.000	14.518	35.365	49.884	-24.116	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11b_2437MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

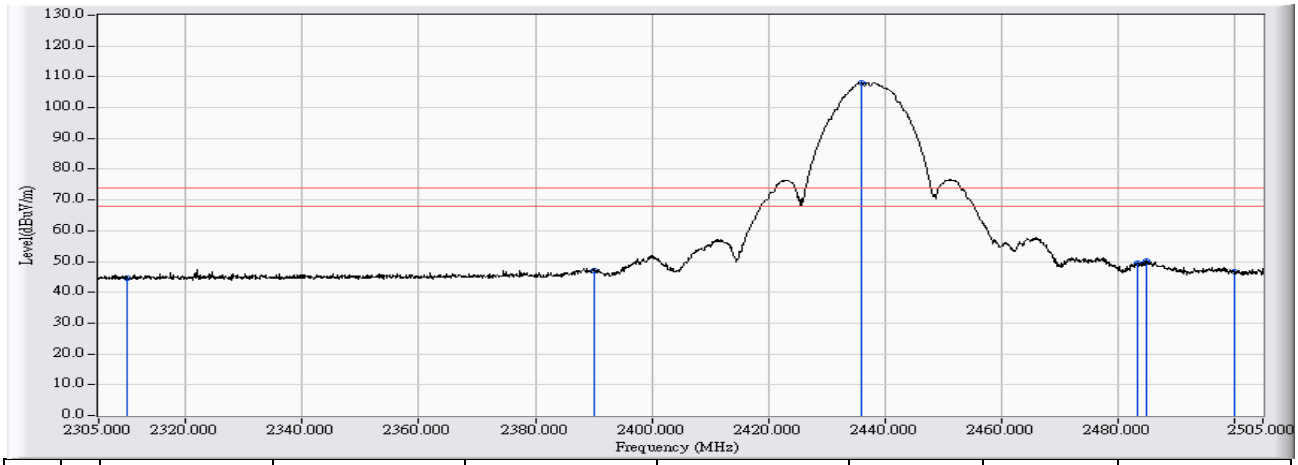


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	22.016	35.362	-18.638	54.000	AVERAGE
2		2390.000	13.840	22.314	36.154	-17.846	54.000	AVERAGE
3	*	2437.800	14.135	81.632	95.768	41.768	54.000	AVERAGE
4		2483.500	14.417	22.961	37.379	-16.621	54.000	AVERAGE
5		2484.900	14.427	23.137	37.564	-16.436	54.000	AVERAGE
6		2500.000	14.518	22.457	36.976	-17.024	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11b_2437MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

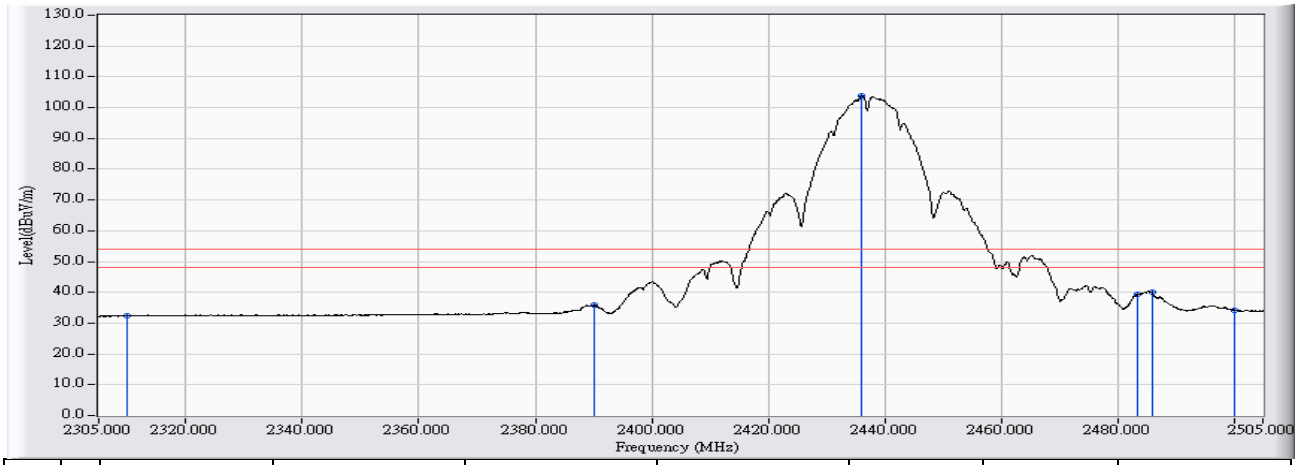


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	31.179	44.525	-29.475	74.000	PEAK
2		2390.000	13.840	33.212	47.052	-26.948	74.000	PEAK
3	*	2435.900	14.123	94.075	108.199	34.199	74.000	PEAK
4		2483.500	14.417	34.940	49.358	-24.642	74.000	PEAK
5		2485.100	14.428	35.749	50.177	-23.823	74.000	PEAK
6		2500.000	14.518	32.040	46.559	-27.441	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11b_2437MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

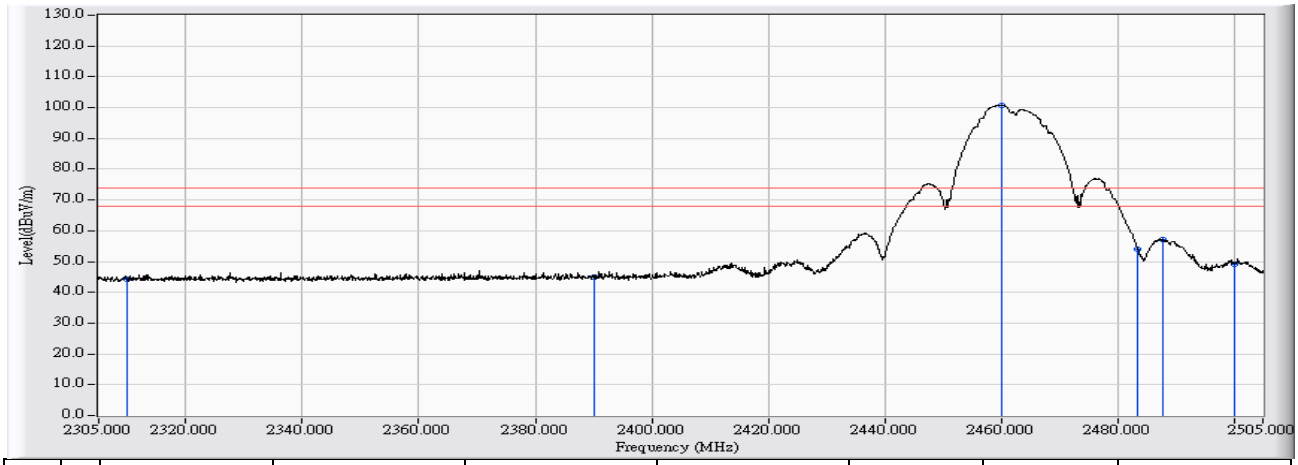


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	18.895	32.241	-21.759	54.000	AVERAGE
2		2390.000	13.840	22.043	35.883	-18.117	54.000	AVERAGE
3	*	2436.100	14.126	89.783	103.908	49.908	54.000	AVERAGE
4		2483.500	14.417	24.953	39.371	-14.629	54.000	AVERAGE
5		2485.900	14.432	25.534	39.967	-14.033	54.000	AVERAGE
6		2500.000	14.518	19.651	34.170	-19.830	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11b_2462MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	30.939	44.285	-29.715	74.000	PEAK
2		2390.000	13.840	30.962	44.802	-29.198	74.000	PEAK
3	*	2460.200	14.273	86.456	100.730	26.730	74.000	PEAK
4		2483.500	14.417	39.705	54.123	-19.877	74.000	PEAK
5		2487.700	14.443	42.818	57.262	-16.738	74.000	PEAK
6		2500.000	14.518	34.749	49.268	-24.732	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 = 3 MHz, 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.

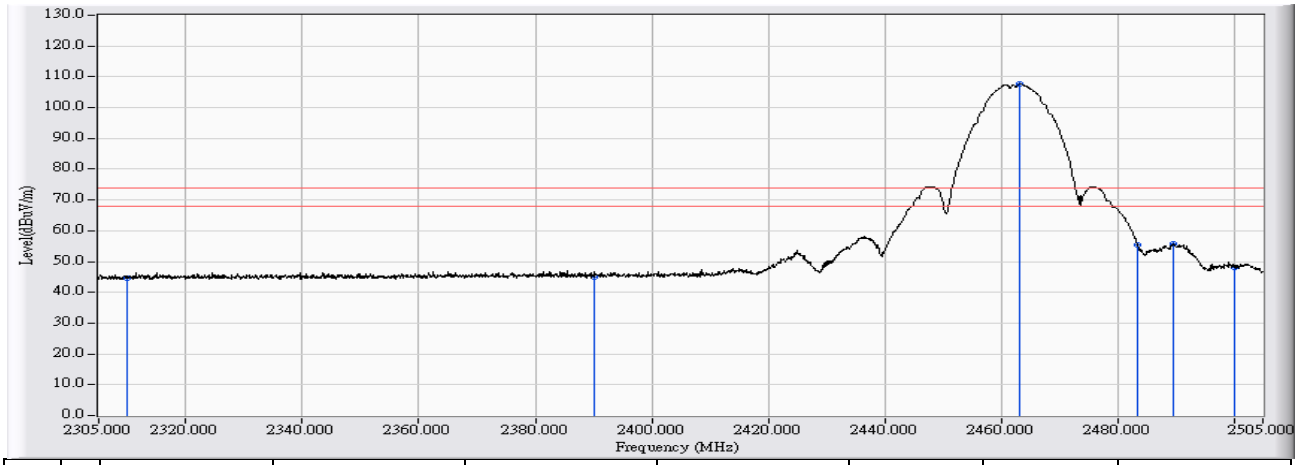
Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11b_2462MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	18.107	31.453	-22.547	54.000	AVERAGE
2		2390.000	13.840	18.742	32.582	-21.418	54.000	AVERAGE
3	*	2459.300	14.269	83.202	97.471	43.471	54.000	AVERAGE
4		2483.500	14.417	32.231	46.649	-7.351	54.000	AVERAGE
5		2488.800	14.450	37.736	52.187	-1.813	54.000	AVERAGE
6		2500.000	14.518	27.487	42.006	-11.994	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11b_2462MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	31.221	44.567	-29.433	74.000	PEAK
2		2390.000	13.840	31.173	45.013	-28.987	74.000	PEAK
3	*	2463.300	14.293	93.350	107.643	33.643	74.000	PEAK
4		2483.500	14.417	40.879	55.297	-18.703	74.000	PEAK
5		2489.500	14.455	41.154	55.609	-18.391	74.000	PEAK
6		2500.000	14.518	33.719	48.238	-25.762	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 = 3 MHz, 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.

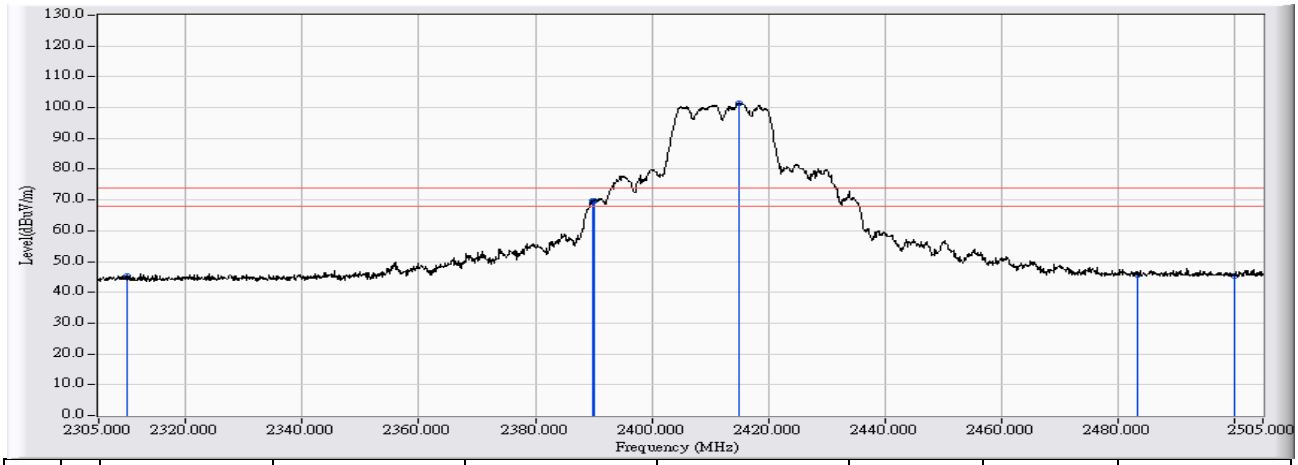
Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11b_2462MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	18.235	31.581	-22.419	54.000	AVERAGE
2		2390.000	13.840	18.528	32.368	-21.632	54.000	AVERAGE
3	*	2464.700	14.302	87.351	101.653	47.653	54.000	AVERAGE
4		2483.500	14.417	35.587	50.005	-3.995	54.000	AVERAGE
5		2483.600	14.419	34.923	49.342	-4.658	54.000	AVERAGE
6		2500.000	14.518	19.485	34.004	-19.996	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11g_2412MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

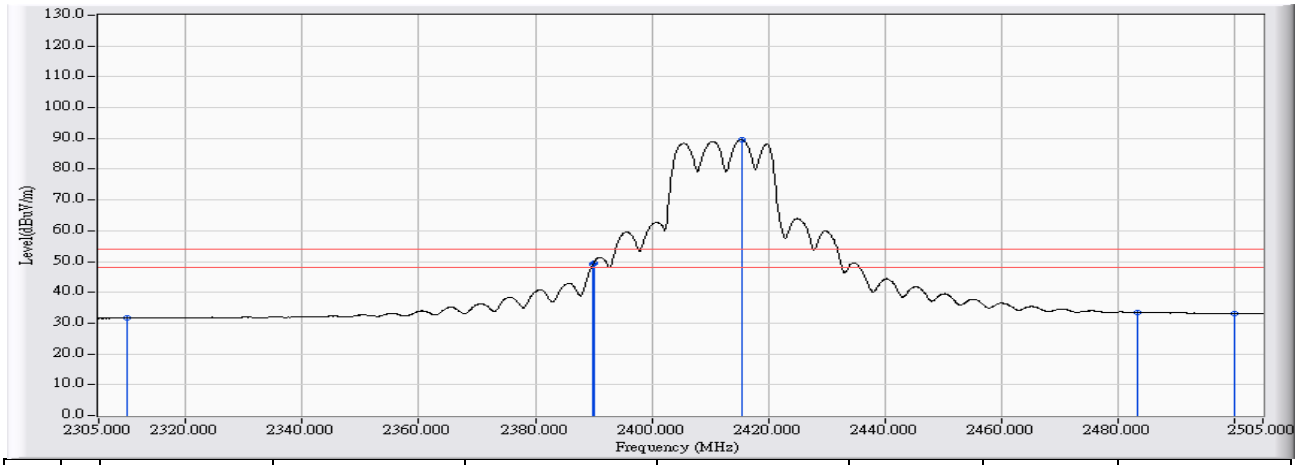


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	31.803	45.149	-28.851	74.000	PEAK
2		2389.900	13.840	55.702	69.542	-4.458	74.000	PEAK
3		2390.000	13.840	55.918	69.758	-4.242	74.000	PEAK
4	*	2415.100	13.995	87.426	101.421	27.421	74.000	PEAK
5		2483.500	14.417	31.240	45.658	-28.342	74.000	PEAK
6		2500.000	14.518	30.924	45.443	-28.557	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11g_2412MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

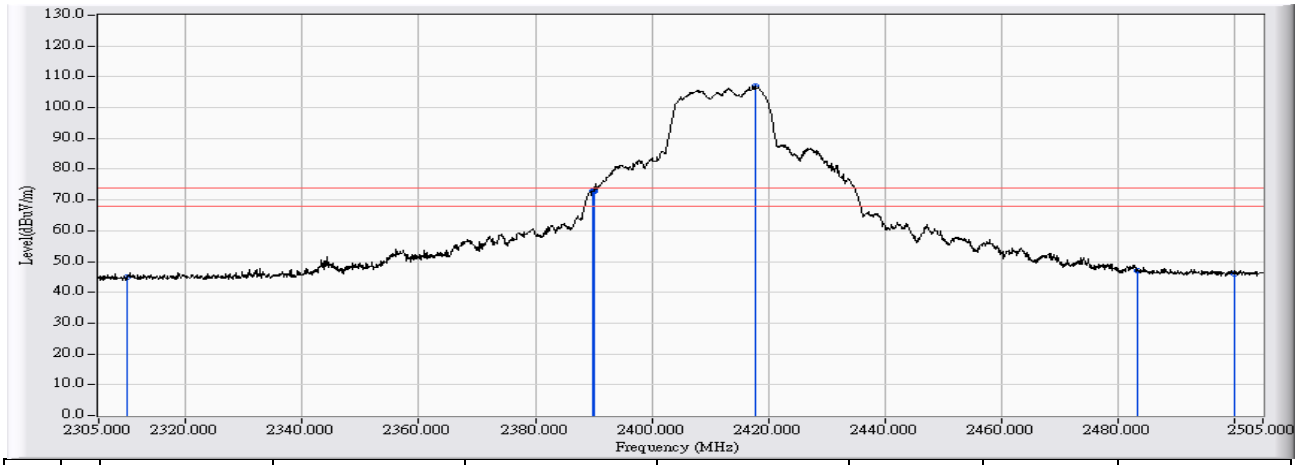


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	18.231	31.577	-22.423	54.000	AVERAGE
2		2389.900	13.840	35.391	49.231	-4.769	54.000	AVERAGE
3		2390.000	13.840	35.710	49.550	-4.450	54.000	AVERAGE
4	*	2415.400	13.997	75.496	89.493	35.493	54.000	AVERAGE
5		2483.500	14.417	18.931	33.349	-20.651	54.000	AVERAGE
6		2500.000	14.518	18.670	33.189	-20.811	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11g_2412MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

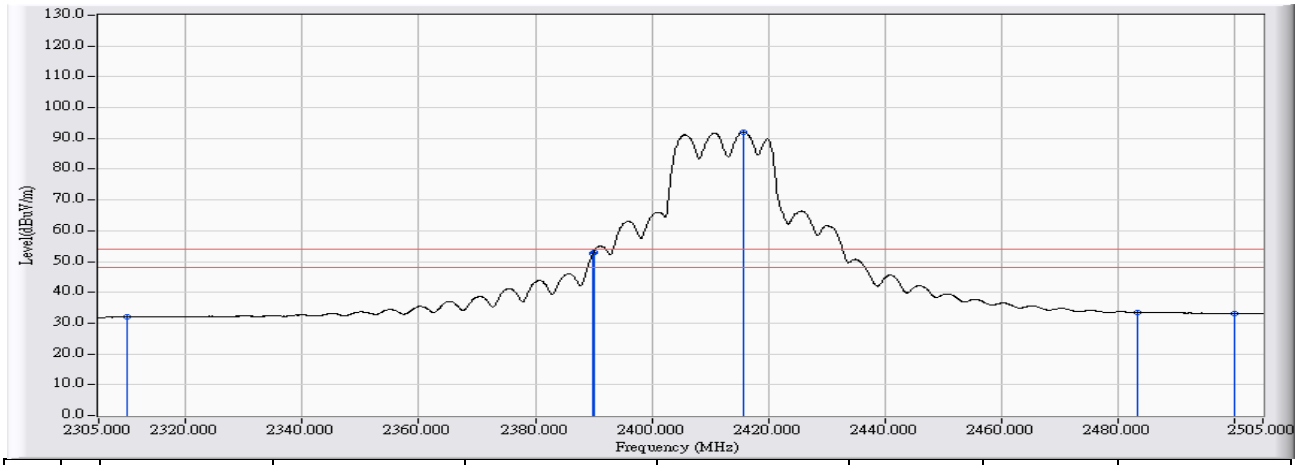


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	31.513	44.859	-29.141	74.000	PEAK
2		2389.900	13.840	58.970	72.810	-1.190	74.000	PEAK
3		2390.000	13.840	59.025	72.865	-1.135	74.000	PEAK
4	*	2417.700	14.011	92.997	107.008	33.008	74.000	PEAK
5		2483.500	14.417	32.465	46.883	-27.117	74.000	PEAK
6		2500.000	14.518	31.467	45.986	-28.014	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11g_2412MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	18.600	31.946	-22.054	54.000	AVERAGE
2		2389.900	13.840	38.733	52.573	-1.427	54.000	AVERAGE
3		2390.000	13.840	38.989	52.829	-1.171	54.000	AVERAGE
4	*	2415.700	13.999	78.100	92.099	38.099	54.000	AVERAGE
5		2483.500	14.417	18.985	33.403	-20.597	54.000	AVERAGE
6		2500.000	14.518	18.661	33.180	-20.820	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 = 3 MHz, 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.

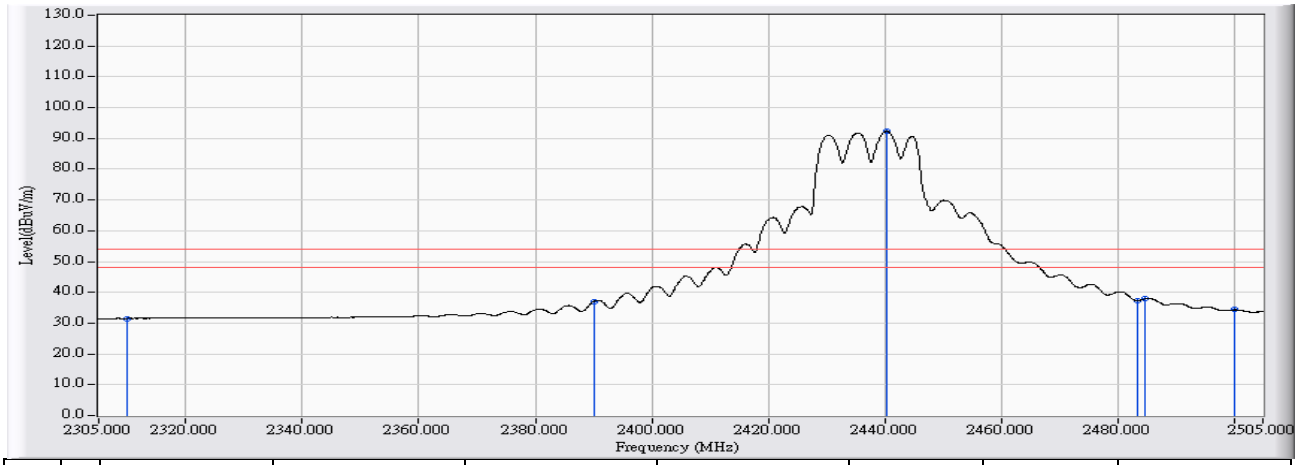
Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11g_2437MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	31.005	44.351	-29.649	74.000	PEAK
2		2381.500	13.788	40.773	54.561	-19.439	74.000	PEAK
3		2390.000	13.840	38.626	52.466	-21.534	74.000	PEAK
4	*	2440.000	14.149	90.468	104.617	30.617	74.000	PEAK
5		2483.500	14.417	38.739	53.157	-20.843	74.000	PEAK
6		2500.000	14.518	32.894	47.413	-26.587	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11g_2437MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

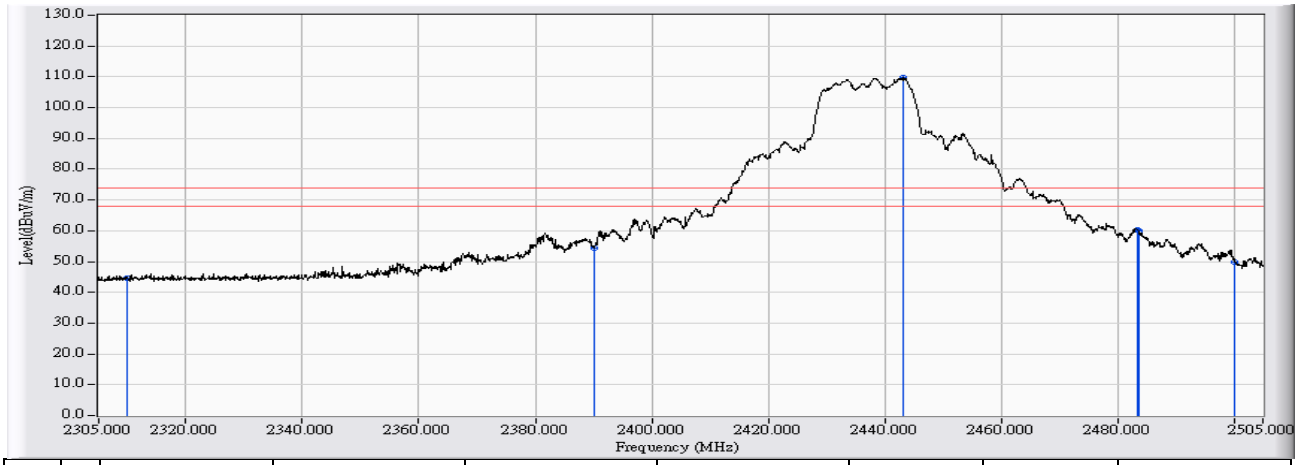


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	18.172	31.518	-22.482	54.000	AVERAGE
2		2390.000	13.840	23.180	37.020	-16.980	54.000	AVERAGE
3	*	2440.300	14.152	78.184	92.335	38.335	54.000	AVERAGE
4		2483.500	14.417	22.857	37.275	-16.725	54.000	AVERAGE
5		2484.800	14.426	23.492	37.918	-16.082	54.000	AVERAGE
6		2500.000	14.518	19.813	34.332	-19.668	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11g_2437MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

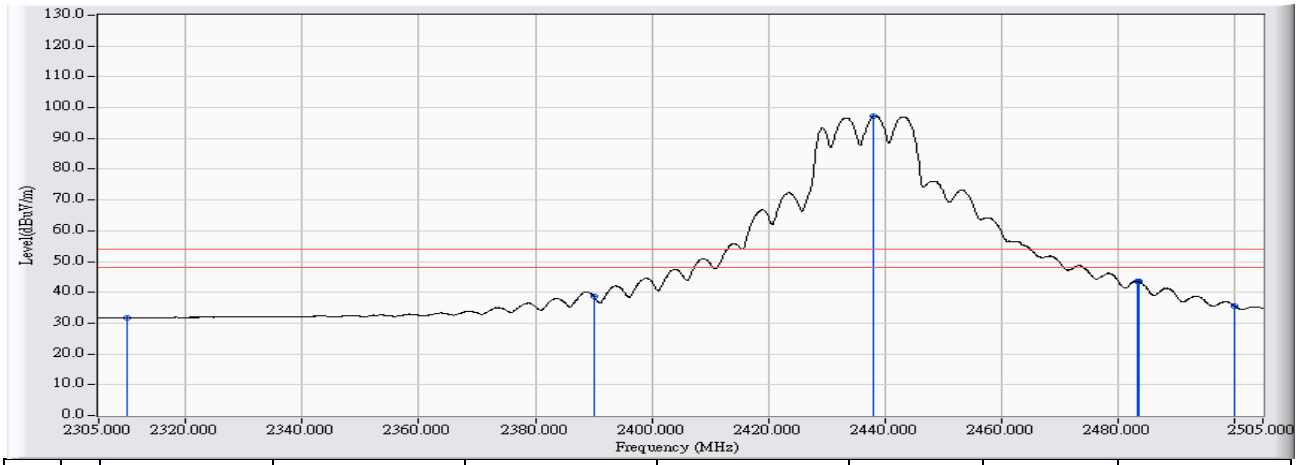


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	31.329	44.675	-29.325	74.000	PEAK
2		2390.000	13.840	40.474	54.314	-19.686	74.000	PEAK
3	*	2443.300	14.170	95.527	109.697	35.697	74.000	PEAK
4		2483.500	14.417	45.916	60.334	-13.666	74.000	PEAK
5		2483.600	14.419	45.601	60.020	-13.980	74.000	PEAK
6		2500.000	14.518	35.405	49.924	-24.076	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11g_2437MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

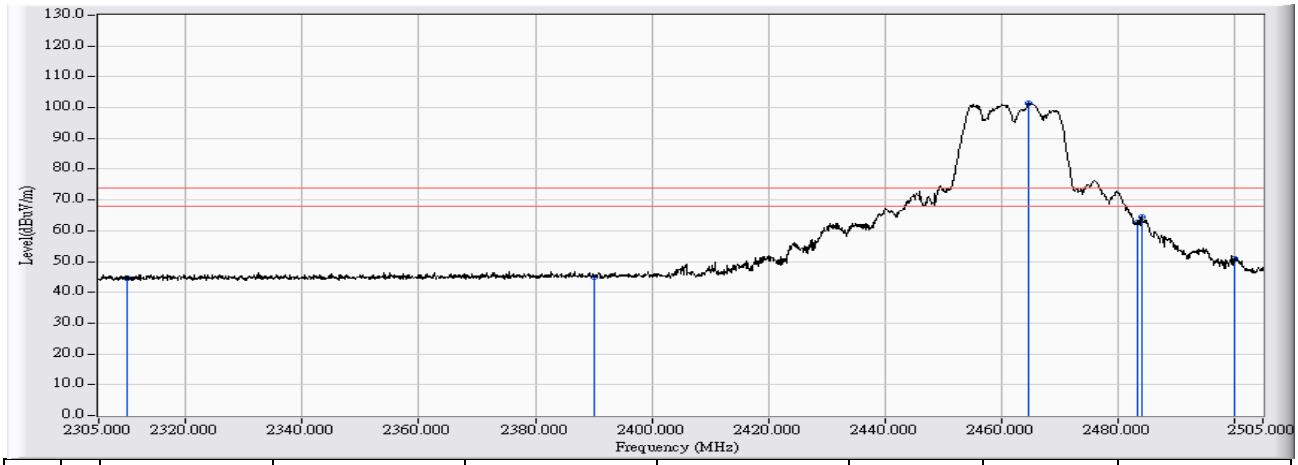


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	18.357	31.703	-22.297	54.000	AVERAGE
2		2390.000	13.840	24.917	38.757	-15.243	54.000	AVERAGE
3	*	2438.200	14.138	83.190	97.328	43.328	54.000	AVERAGE
4		2483.500	14.417	29.056	43.474	-10.526	54.000	AVERAGE
5		2483.600	14.419	29.091	43.510	-10.490	54.000	AVERAGE
6		2500.000	14.518	21.197	35.716	-18.284	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11g_2462MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	31.223	44.569	-29.431	74.000	PEAK
2		2390.000	13.840	31.147	44.987	-29.013	74.000	PEAK
3	*	2464.800	14.303	87.286	101.588	27.588	74.000	PEAK
4		2483.500	14.417	48.420	62.838	-11.162	74.000	PEAK
5		2484.200	14.422	50.146	64.568	-9.432	74.000	PEAK
6		2500.000	14.518	36.429	50.948	-23.052	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 = 3 MHz, 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.

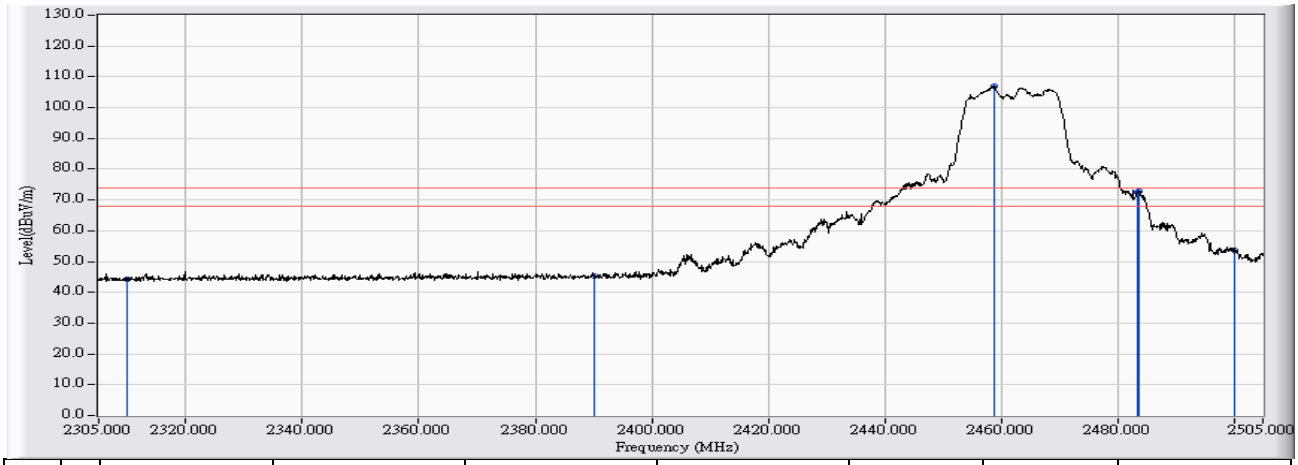
Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11g_2462MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	18.361	31.707	-22.293	54.000	AVERAGE
2		2390.000	13.840	18.653	32.493	-21.507	54.000	AVERAGE
3	*	2465.400	14.306	75.106	89.412	35.412	54.000	AVERAGE
4		2483.500	14.417	29.677	44.095	-9.905	54.000	AVERAGE
5		2483.600	14.419	29.782	44.201	-9.799	54.000	AVERAGE
6		2500.000	14.518	20.757	35.276	-18.724	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11g_2462MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

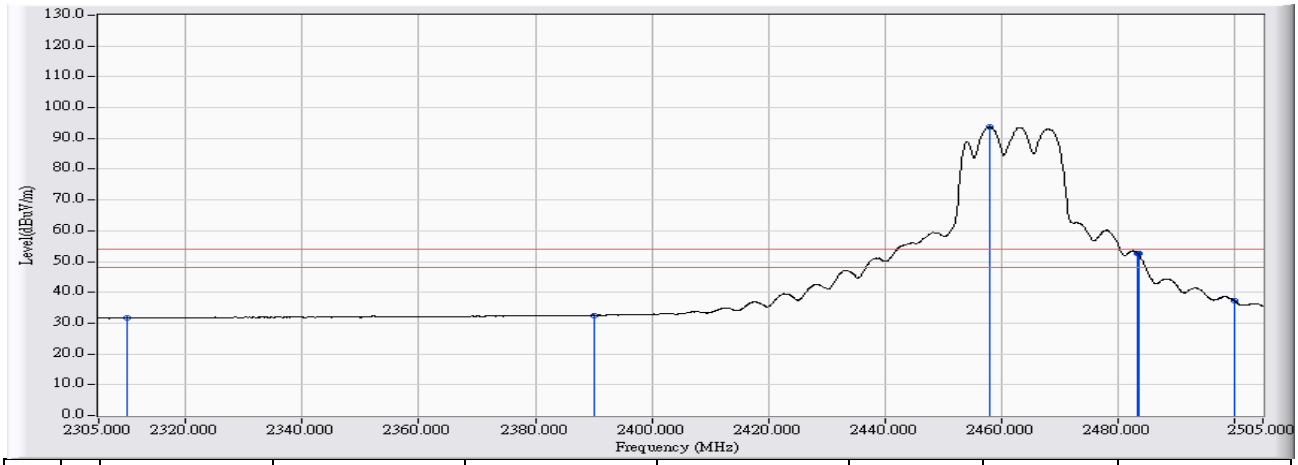


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	30.854	44.200	-29.800	74.000	AVERAGE
2		2390.000	13.840	31.553	45.393	-28.607	74.000	AVERAGE
3	*	2458.800	14.265	92.813	107.078	33.078	74.000	AVERAGE
4		2483.500	14.417	58.213	72.631	-1.369	74.000	AVERAGE
5		2483.600	14.419	58.516	72.935	-1.065	74.000	AVERAGE
6		2500.000	14.518	39.033	53.552	-20.448	74.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11g_2462MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

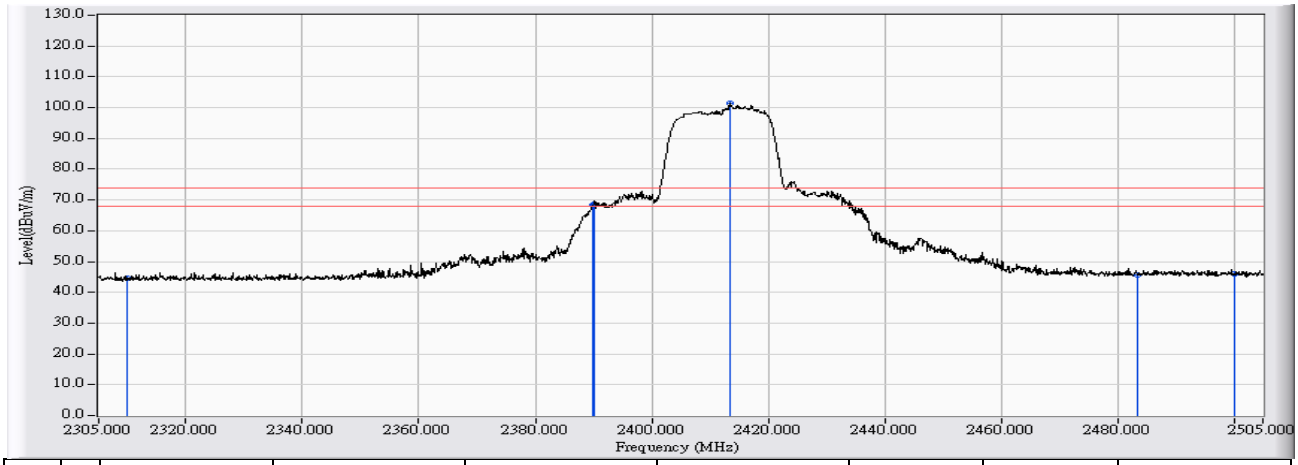


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	18.299	31.645	-22.355	54.000	AVERAGE
2		2390.000	13.840	18.736	32.576	-21.424	54.000	AVERAGE
3	*	2458.000	14.260	79.386	93.646	39.646	54.000	AVERAGE
4		2483.500	14.417	38.179	52.597	-1.403	54.000	AVERAGE
5		2483.600	14.419	38.106	52.525	-1.475	54.000	AVERAGE
6		2500.000	14.518	22.776	37.295	-16.705	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(20M)_2412MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

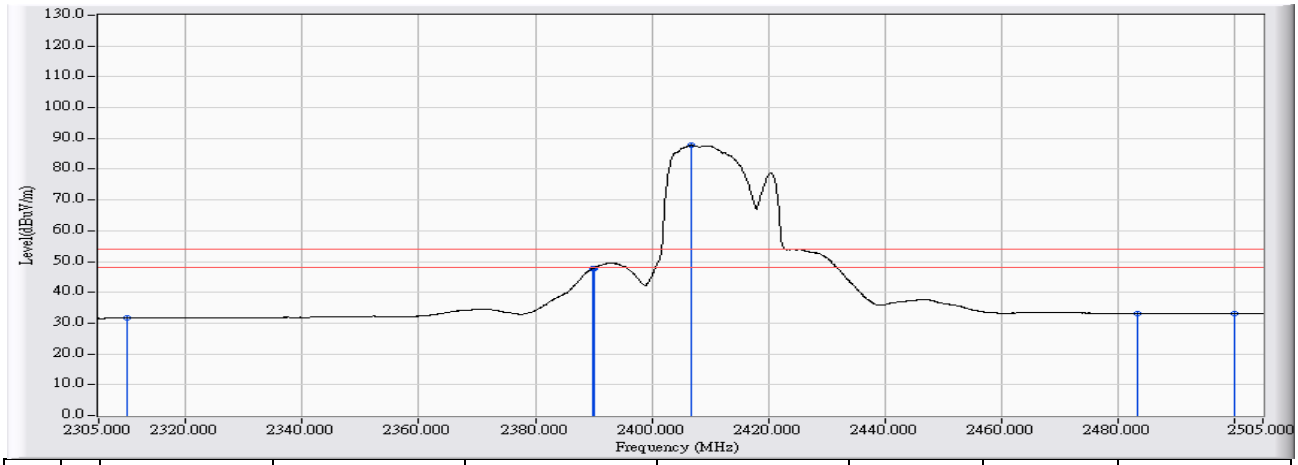


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	31.400	44.746	-29.254	74.000	PEAK
2		2389.900	13.840	54.643	68.483	-5.517	74.000	PEAK
3		2390.000	13.840	54.973	68.813	-5.187	74.000	PEAK
4	*	2413.500	13.985	87.409	101.394	27.394	74.000	PEAK
5		2483.500	14.417	31.303	45.721	-28.279	74.000	PEAK
6		2500.000	14.518	31.423	45.942	-28.058	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(20M)_2412MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

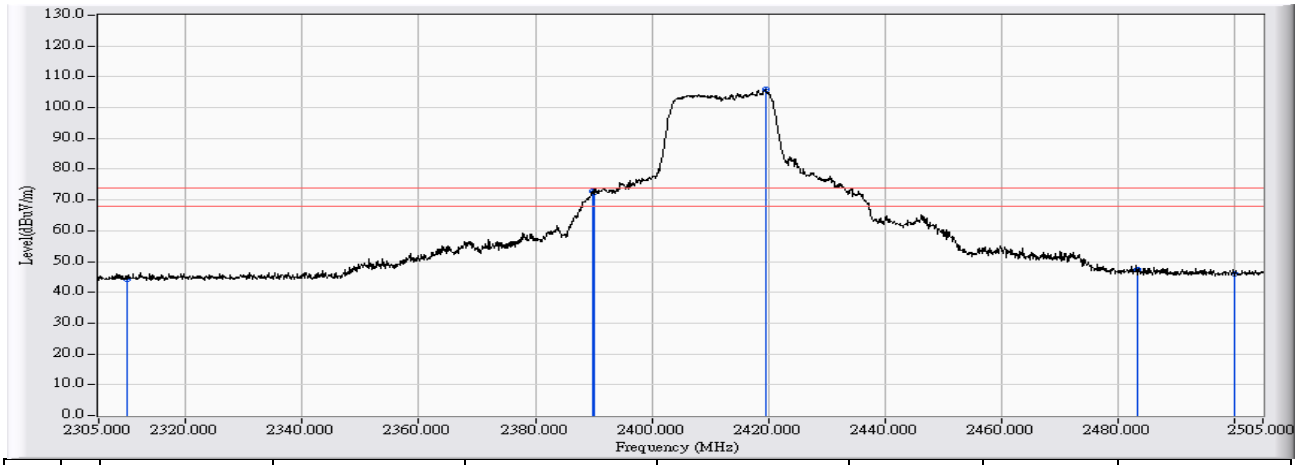


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	18.289	31.635	-22.365	54.000	AVERAGE
2		2389.900	13.840	33.950	47.790	-6.210	54.000	AVERAGE
3		2390.000	13.840	34.018	47.858	-6.142	54.000	AVERAGE
4	*	2406.700	13.943	73.809	87.752	33.752	54.000	AVERAGE
5		2483.500	14.417	18.738	33.156	-20.844	54.000	AVERAGE
6		2500.000	14.518	18.576	33.095	-20.905	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(20M)_2412MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

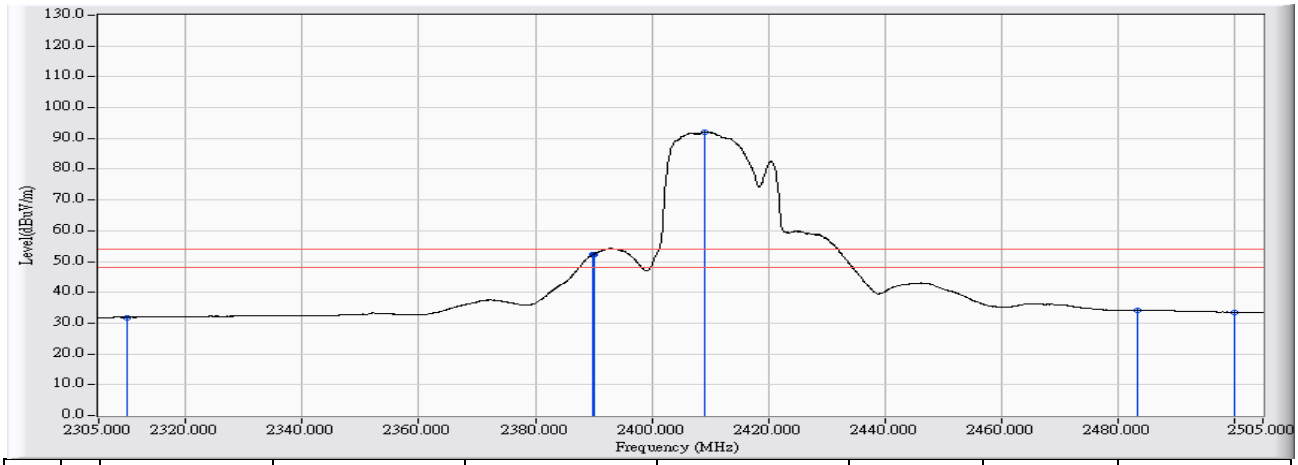


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	31.036	44.382	-29.618	74.000	PEAK
2		2389.900	13.840	59.026	72.866	-1.134	74.000	PEAK
3		2390.000	13.840	58.480	72.320	-1.680	74.000	PEAK
4	*	2419.500	14.023	91.815	105.838	31.838	74.000	PEAK
5		2483.500	14.417	33.088	47.506	-26.494	74.000	PEAK
6		2500.000	14.518	31.525	46.044	-27.956	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(20M)_2412MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

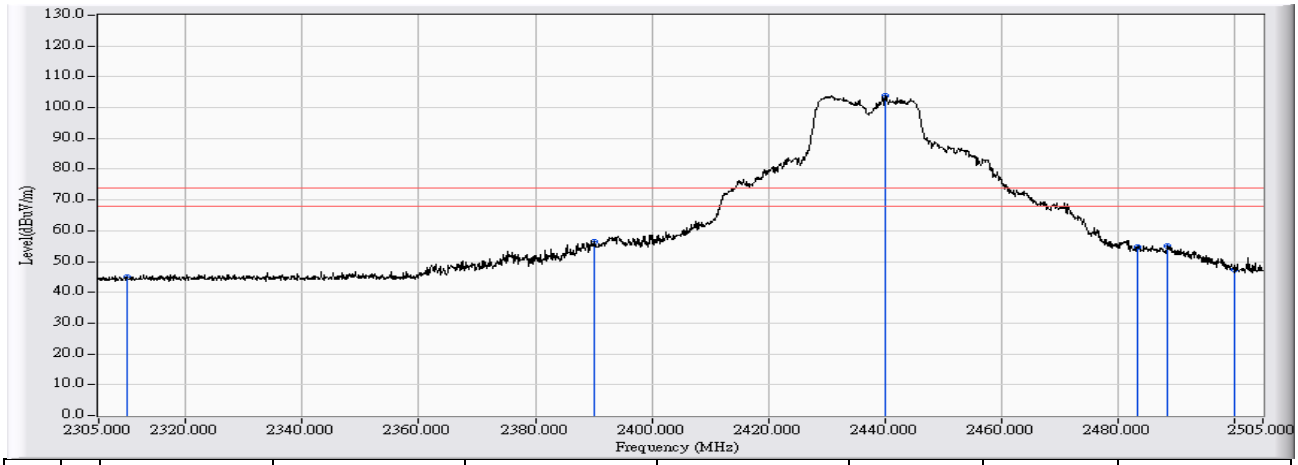


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	18.506	31.852	-22.148	54.000	AVERAGE
2		2389.900	13.840	38.414	52.254	-1.746	54.000	AVERAGE
3		2390.000	13.840	38.608	52.448	-1.552	54.000	AVERAGE
4	*	2409.000	13.958	78.087	92.045	38.045	54.000	AVERAGE
5		2483.500	14.417	19.776	34.194	-19.806	54.000	AVERAGE
6		2500.000	14.518	19.094	33.613	-20.387	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(20M)_2437MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

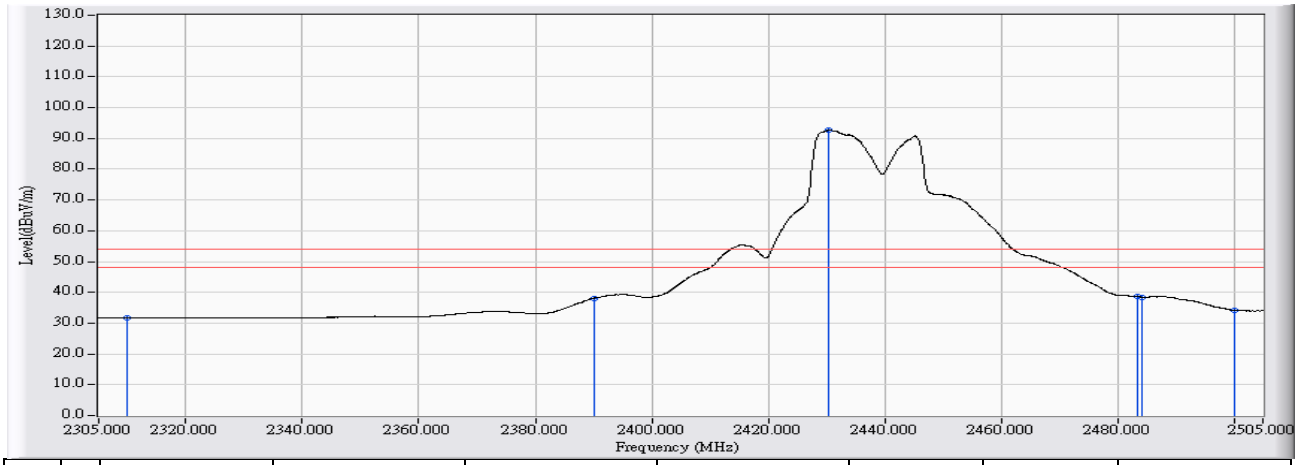


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	31.557	44.903	-29.097	74.000	PEAK
2		2390.000	13.840	42.632	56.472	-17.528	74.000	PEAK
3	*	2440.100	14.149	89.842	103.992	29.992	74.000	PEAK
4		2483.500	14.417	40.365	54.783	-19.217	74.000	PEAK
5		2488.500	14.449	40.604	55.053	-18.947	74.000	PEAK
6		2500.000	14.518	33.038	47.557	-26.443	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(20M)_2437MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

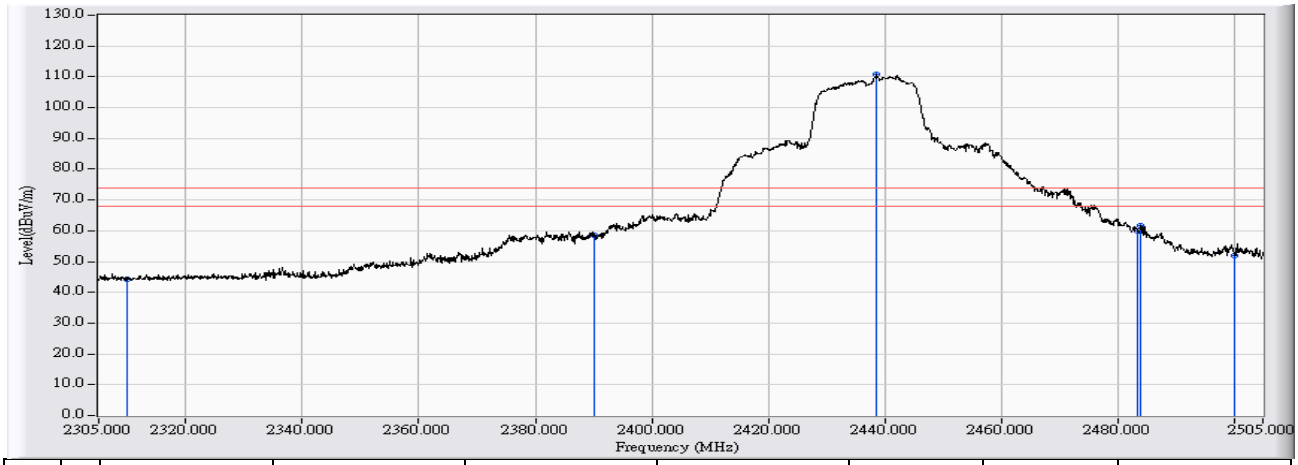


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	18.267	31.613	-22.387	54.000	AVERAGE
2		2390.000	13.840	24.318	38.158	-15.842	54.000	AVERAGE
3	*	2430.500	14.090	78.648	92.738	38.738	54.000	AVERAGE
4		2483.500	14.417	24.139	38.557	-15.443	54.000	AVERAGE
5		2484.200	14.422	24.078	38.500	-15.500	54.000	AVERAGE
6		2500.000	14.518	19.753	34.272	-19.728	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(20M)_2437MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

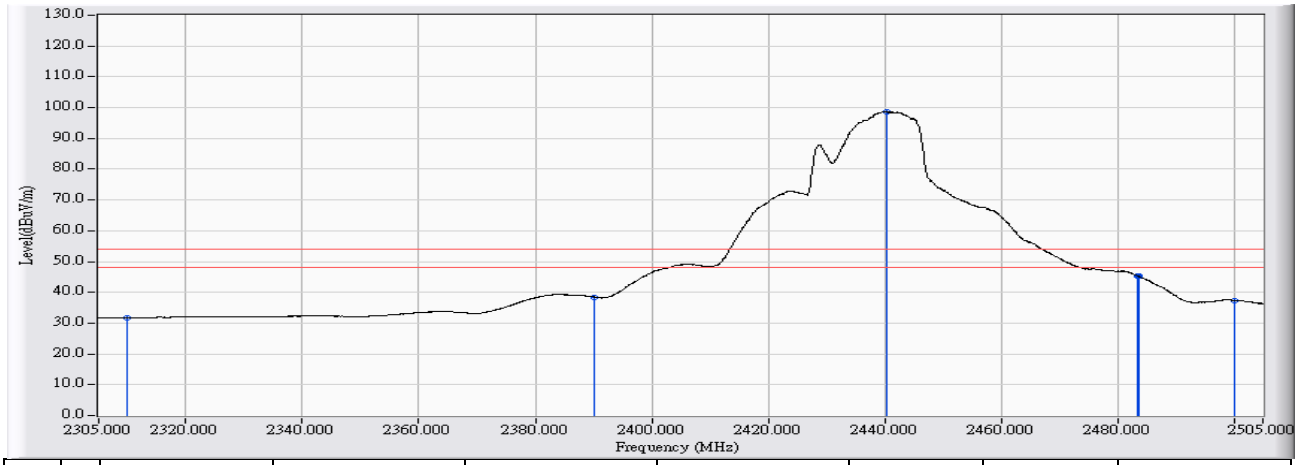


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	30.800	44.146	-29.854	74.000	PEAK
2		2390.000	13.840	44.663	58.503	-15.497	74.000	PEAK
3	*	2438.600	14.141	96.632	110.773	36.773	74.000	PEAK
4		2483.500	14.417	45.438	59.856	-14.144	74.000	PEAK
5		2484.100	14.422	47.271	61.693	-12.307	74.000	PEAK
6		2500.000	14.518	37.445	51.964	-22.036	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(20M)_2437MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

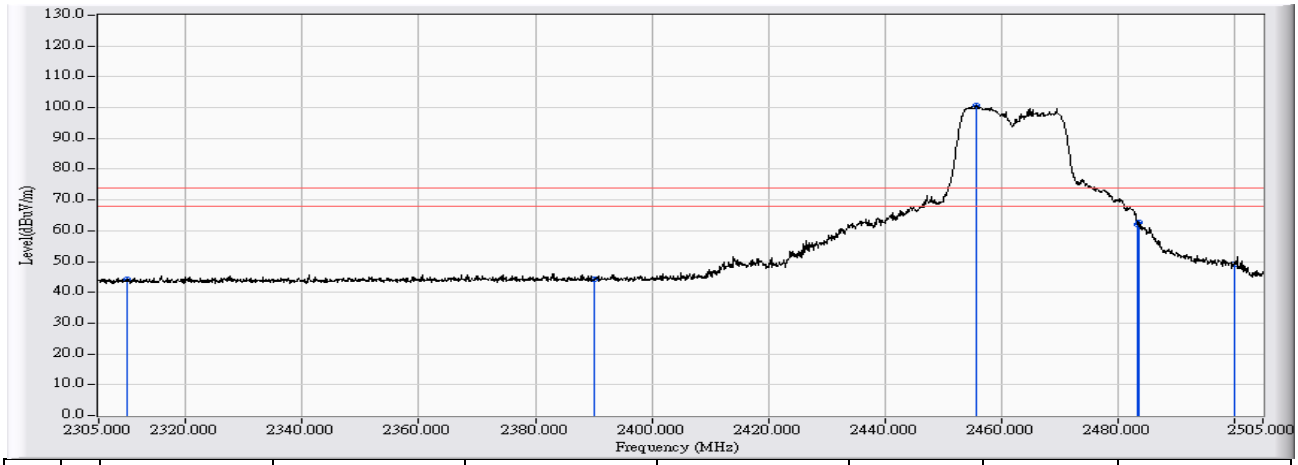


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	18.390	31.736	-22.264	54.000	AVERAGE
2		2390.000	13.840	24.658	38.498	-15.502	54.000	AVERAGE
3	*	2440.300	14.152	84.614	98.765	44.765	54.000	AVERAGE
4		2483.500	14.417	30.915	45.333	-8.667	54.000	AVERAGE
5		2483.600	14.419	30.889	45.308	-8.692	54.000	AVERAGE
6		2500.000	14.518	22.858	37.377	-16.623	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(20M)_2462MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

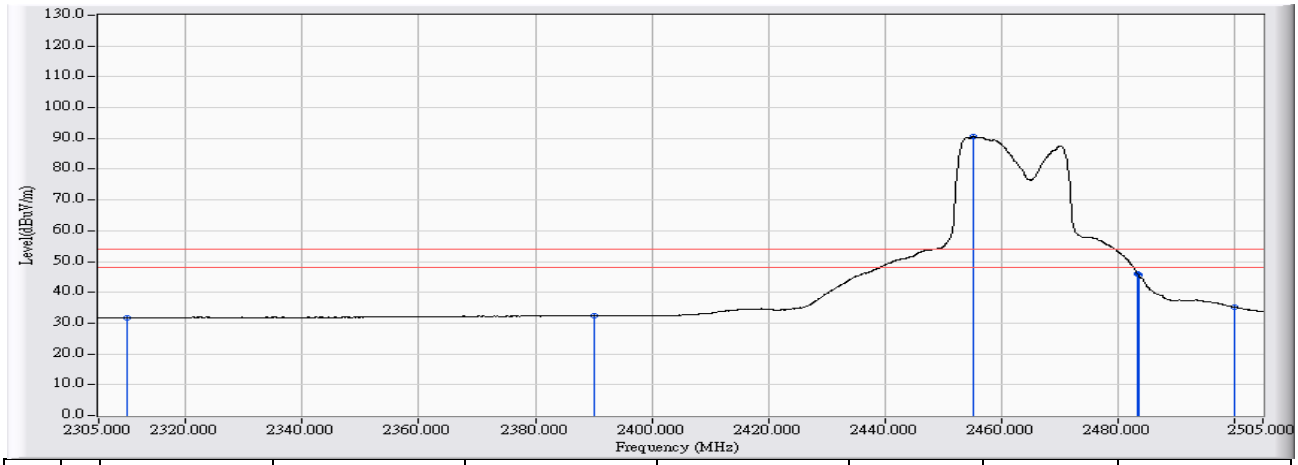


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	31.046	44.392	-29.608	74.000	PEAK
2		2390.000	13.840	30.582	44.422	-29.578	74.000	PEAK
3	*	2455.800	14.247	86.460	100.707	26.707	74.000	PEAK
4		2483.500	14.417	47.778	62.196	-11.804	74.000	PEAK
5		2483.600	14.419	48.159	62.578	-11.422	74.000	PEAK
6		2500.000	14.518	34.614	49.133	-24.867	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(20M)_2462MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

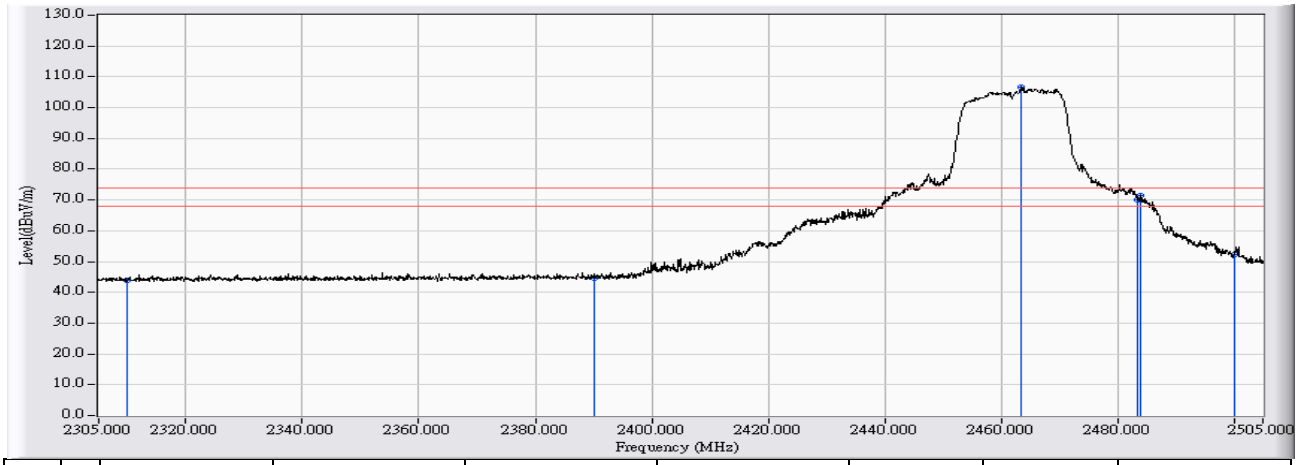


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	18.411	31.757	-22.243	54.000	AVERAGE
2		2390.000	13.840	18.571	32.411	-21.589	54.000	AVERAGE
3	*	2455.300	14.244	76.330	90.574	36.574	54.000	AVERAGE
4		2483.500	14.417	31.434	45.852	-8.148	54.000	AVERAGE
5		2483.600	14.419	31.359	45.778	-8.222	54.000	AVERAGE
6		2500.000	14.518	20.755	35.274	-18.726	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(20M)_2462MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

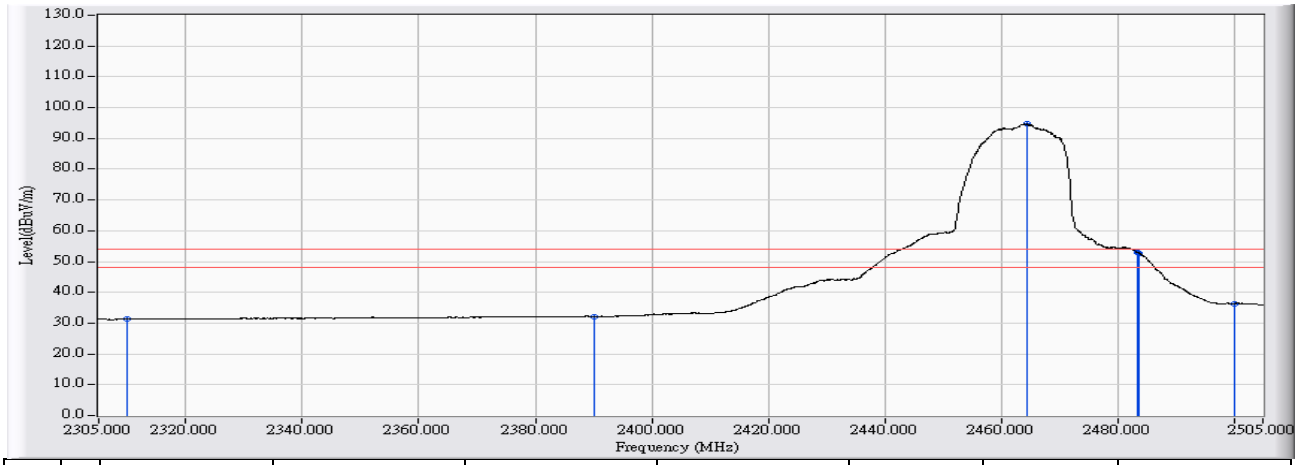


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	30.537	43.883	-30.117	74.000	PEAK
2		2390.000	13.840	30.820	44.660	-29.340	74.000	PEAK
3	*	2463.500	14.294	92.337	106.631	32.631	74.000	PEAK
4		2483.500	14.417	55.710	70.128	-3.872	74.000	PEAK
5		2484.100	14.422	57.190	71.612	-2.388	74.000	PEAK
6		2500.000	14.518	37.831	52.350	-21.650	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(20M)_2462MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

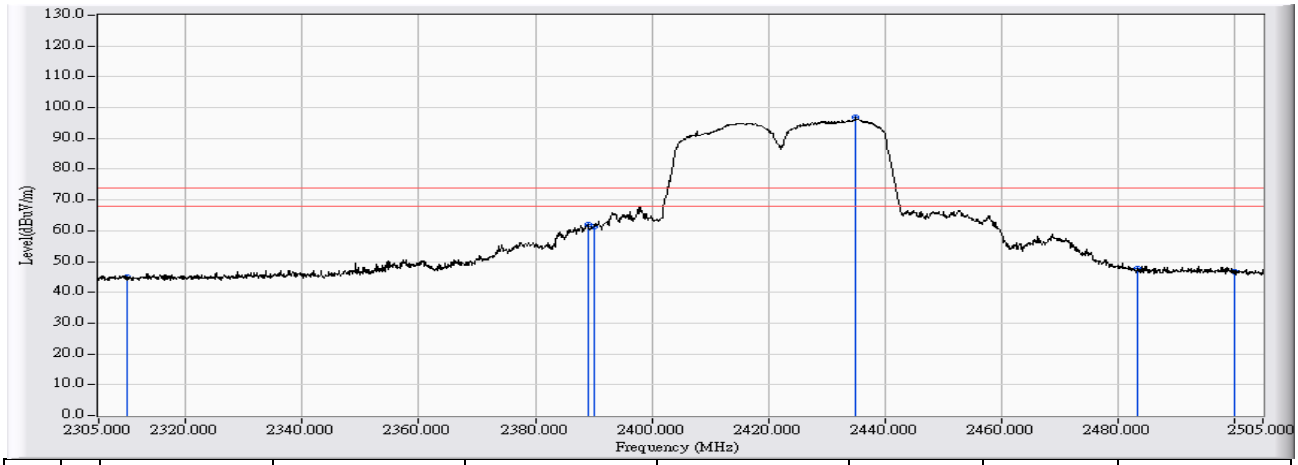


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	17.911	31.257	-22.743	54.000	AVERAGE
2		2390.000	13.840	18.329	32.169	-21.831	54.000	AVERAGE
3	*	2464.400	14.300	80.427	94.727	40.727	54.000	AVERAGE
4		2483.500	14.417	38.580	52.998	-1.002	54.000	AVERAGE
5		2483.700	14.420	38.372	52.791	-1.209	54.000	AVERAGE
6		2500.000	14.518	21.825	36.344	-17.656	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2422MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

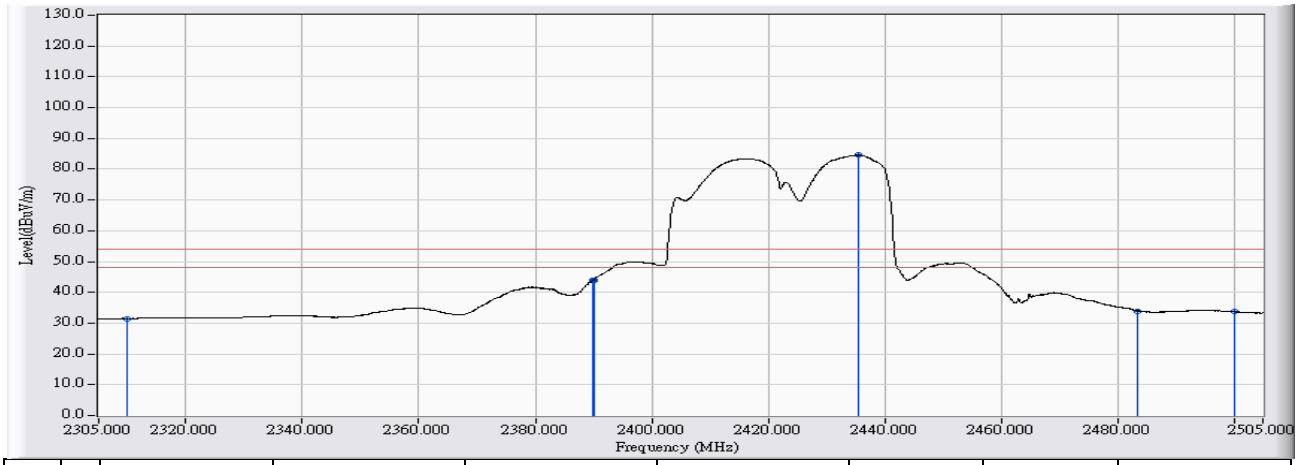


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	31.627	44.973	-29.027	74.000	PEAK
2		2389.000	13.835	48.227	62.061	-11.939	74.000	PEAK
3		2390.000	13.840	47.555	61.395	-12.605	74.000	PEAK
4	*	2435.100	14.119	82.733	96.852	22.852	74.000	PEAK
5		2483.500	14.417	33.187	47.605	-26.395	74.000	PEAK
6		2500.000	14.518	32.153	46.672	-27.328	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2422MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

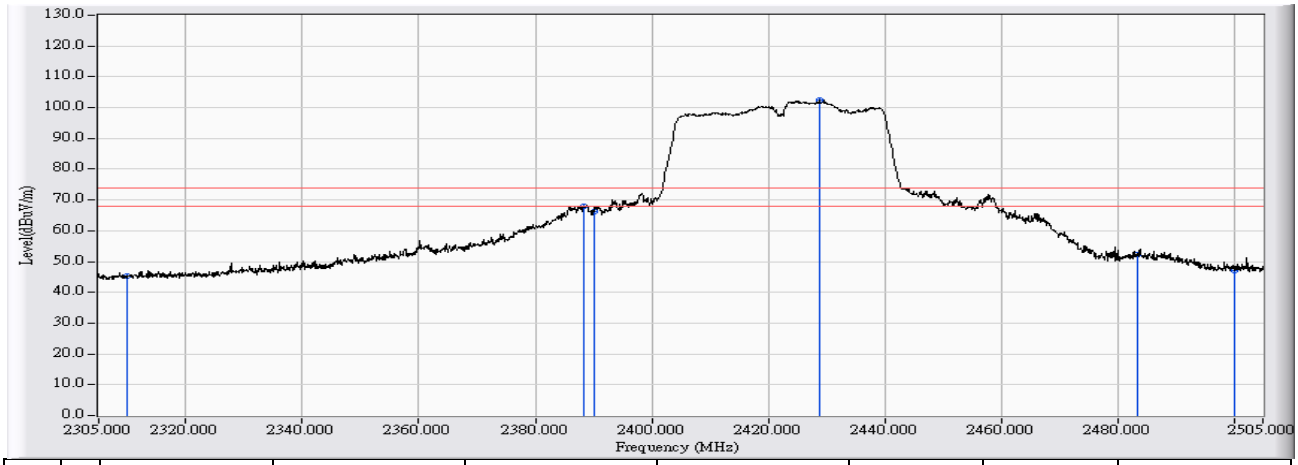


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	18.150	31.496	-22.504	54.000	AVERAGE
2		2389.900	13.840	30.145	43.985	-10.015	54.000	AVERAGE
3		2390.000	13.840	30.238	44.078	-9.922	54.000	AVERAGE
4	*	2435.400	14.120	70.466	84.587	30.587	54.000	AVERAGE
5		2483.500	14.417	19.554	33.972	-20.028	54.000	AVERAGE
6		2500.000	14.518	19.158	33.677	-20.323	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2422MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

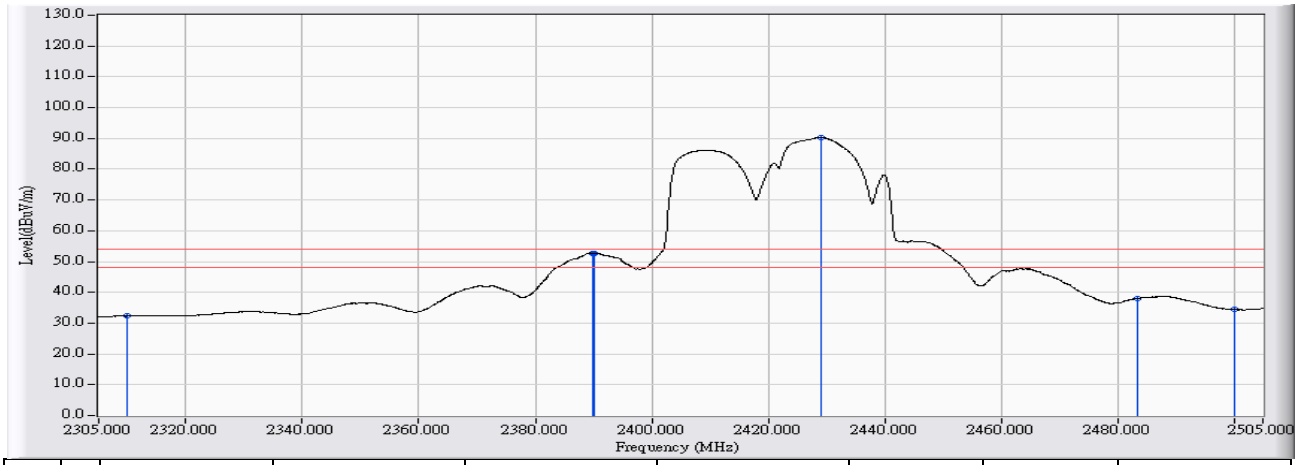


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	31.842	45.188	-28.812	74.000	PEAK
2		2388.400	13.831	54.246	68.076	-5.924	74.000	PEAK
3		2390.000	13.840	52.246	66.086	-7.914	74.000	PEAK
4	*	2428.800	14.079	88.394	102.474	28.474	74.000	PEAK
5		2483.500	14.417	37.832	52.250	-21.750	74.000	PEAK
6		2500.000	14.518	32.679	47.198	-26.802	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2422MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

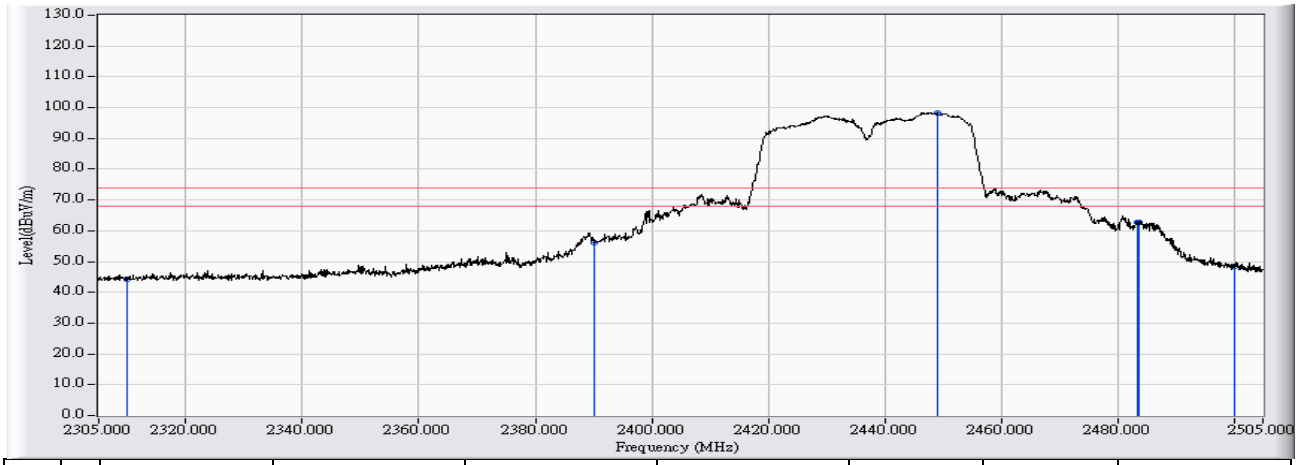


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	18.949	32.295	-21.705	54.000	AVERAGE
2		2389.900	13.840	38.928	52.768	-1.232	54.000	AVERAGE
3		2390.000	13.840	38.921	52.761	-1.239	54.000	AVERAGE
4	*	2429.200	14.082	76.196	90.278	36.278	54.000	AVERAGE
5		2483.500	14.417	23.659	38.077	-15.923	54.000	AVERAGE
6		2500.000	14.518	19.951	34.470	-19.530	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2437MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

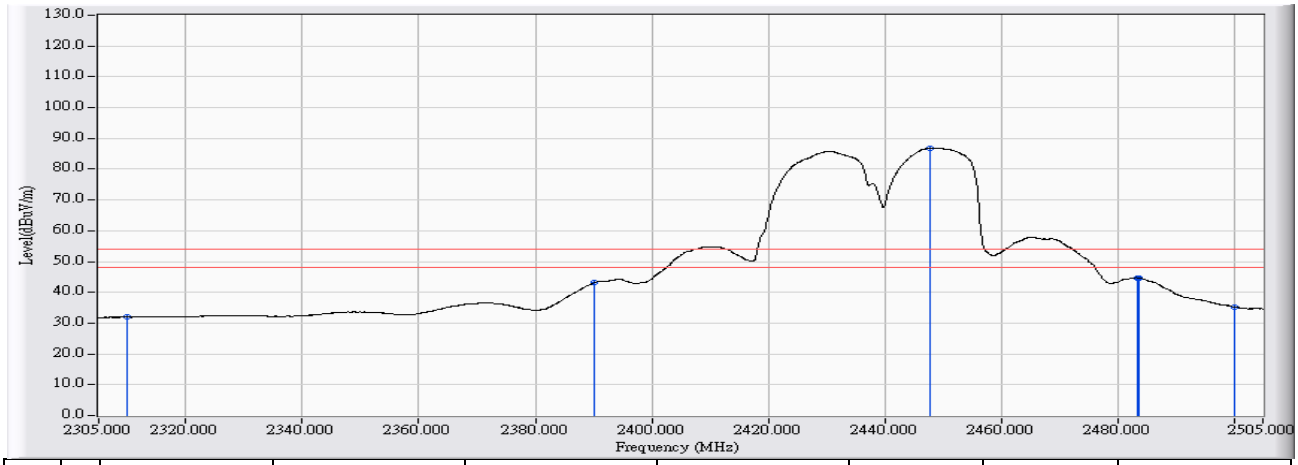


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	30.998	44.344	-29.656	74.000	PEAK
2		2390.000	13.840	42.270	56.110	-17.890	74.000	PEAK
3	*	2449.100	14.205	84.159	98.364	24.364	74.000	PEAK
4		2483.500	14.417	48.357	62.775	-11.225	74.000	PEAK
5		2483.700	14.420	48.368	62.787	-11.213	74.000	PEAK
6		2500.000	14.518	34.096	48.615	-25.385	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2437MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

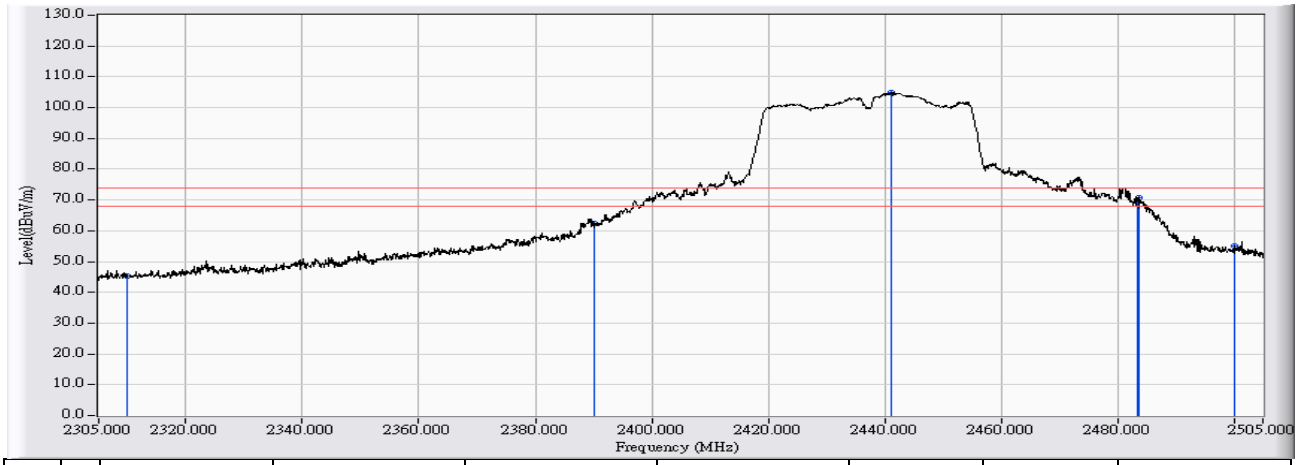


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	18.600	31.946	-22.054	54.000	AVERAGE
2		2390.000	13.840	29.242	43.082	-10.918	54.000	AVERAGE
3	*	2447.700	14.196	72.755	86.952	32.952	54.000	AVERAGE
4		2483.500	14.417	30.327	44.745	-9.255	54.000	AVERAGE
5		2483.600	14.419	30.321	44.740	-9.260	54.000	AVERAGE
6		2500.000	14.518	20.819	35.338	-18.662	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2437MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

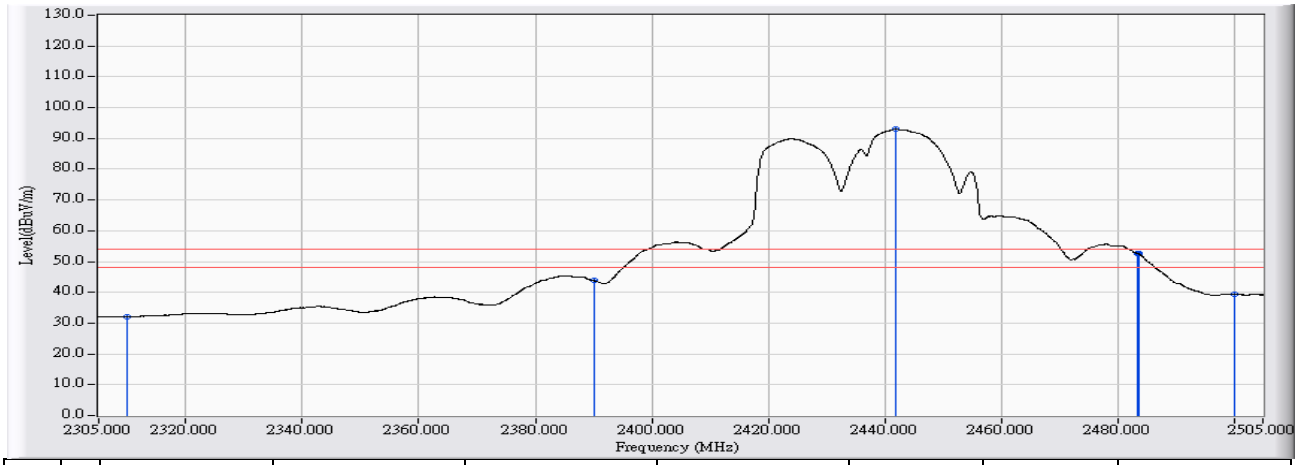


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	32.118	45.464	-28.536	74.000	PEAK
2		2390.000	13.840	48.451	62.291	-11.709	74.000	PEAK
3	*	2441.200	14.157	90.679	104.836	30.836	74.000	PEAK
4		2483.500	14.417	55.264	69.682	-4.318	74.000	PEAK
5		2483.600	14.419	56.451	70.870	-3.130	74.000	PEAK
6		2500.000	14.518	40.444	54.963	-19.037	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2437MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

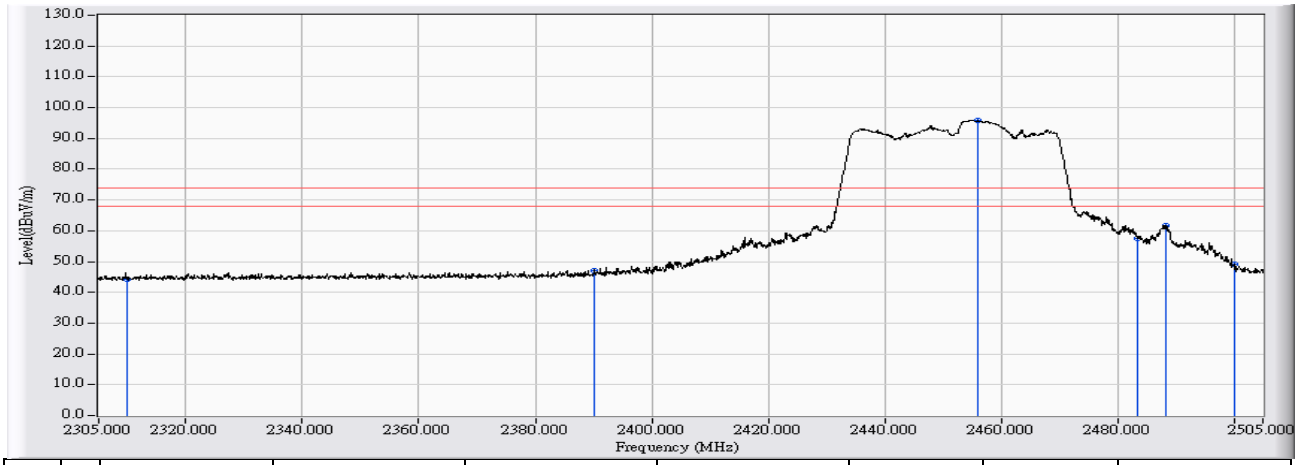


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	18.763	32.109	-21.891	54.000	AVERAGE
2		2390.000	13.840	29.937	43.777	-10.223	54.000	AVERAGE
3	*	2442.000	14.162	78.769	92.931	38.931	54.000	AVERAGE
4		2483.500	14.417	38.229	52.647	-1.353	54.000	AVERAGE
5		2483.600	14.419	38.134	52.553	-1.447	54.000	AVERAGE
6		2500.000	14.518	24.934	39.453	-14.547	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2452MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

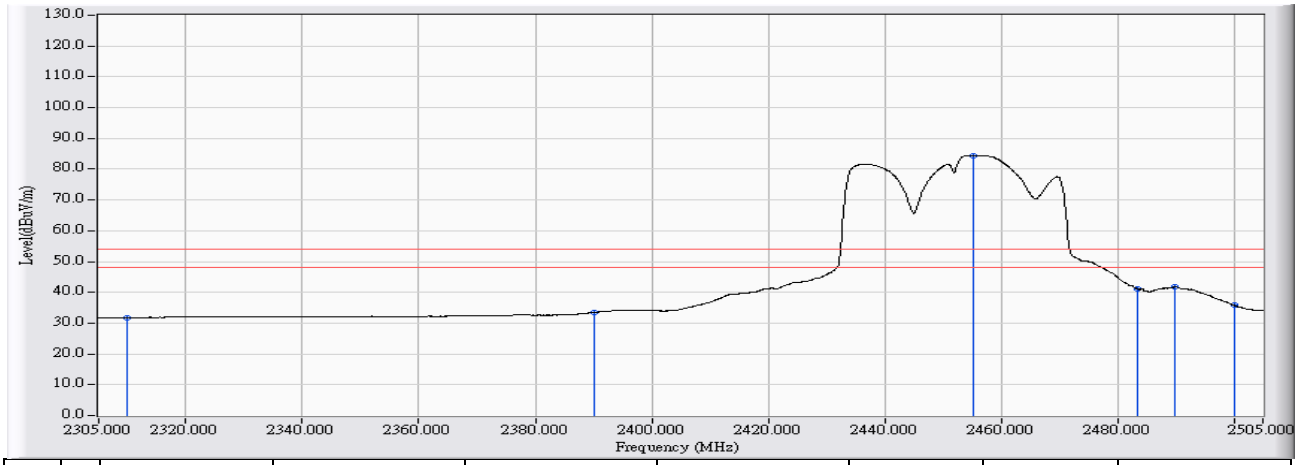


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	30.932	44.278	-29.722	74.000	PEAK
2		2390.000	13.840	33.255	47.095	-26.905	74.000	PEAK
3	*	2455.900	14.247	81.678	95.925	21.925	74.000	PEAK
4		2483.500	14.417	43.046	57.464	-16.536	74.000	PEAK
5		2488.300	14.447	47.368	61.816	-12.184	74.000	PEAK
6		2500.000	14.518	34.585	49.104	-24.896	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2452MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

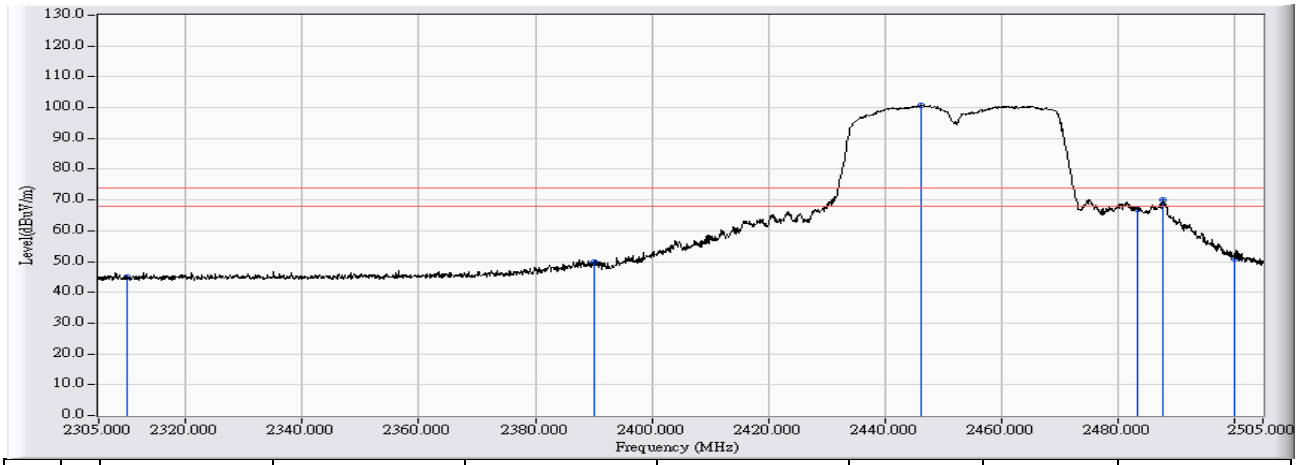


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	18.475	31.821	-22.179	54.000	AVERAGE
2		2390.000	13.840	19.631	33.471	-20.529	54.000	AVERAGE
3	*	2455.200	14.243	70.170	84.413	30.413	54.000	AVERAGE
4		2483.500	14.417	26.779	41.197	-12.803	54.000	AVERAGE
5		2489.800	14.458	27.324	41.781	-12.219	54.000	AVERAGE
6		2500.000	14.518	21.269	35.788	-18.212	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2452MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

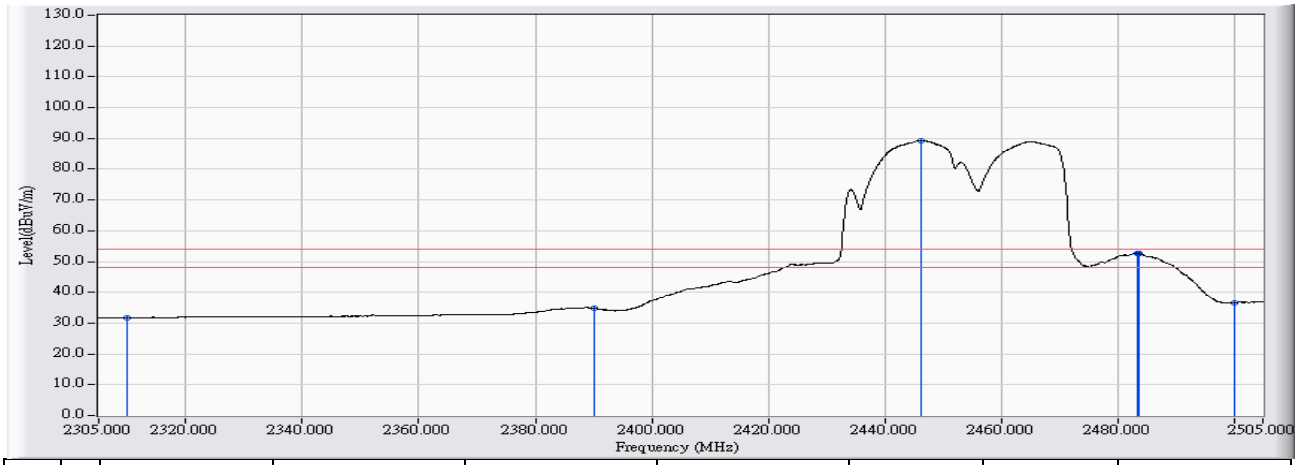


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	31.659	45.005	-28.995	74.000	PEAK
2		2390.000	13.840	35.988	49.828	-24.172	74.000	PEAK
3	*	2446.400	14.188	86.537	100.726	26.726	74.000	PEAK
4		2483.500	14.417	52.387	66.805	-7.195	74.000	PEAK
5		2487.700	14.443	55.740	70.184	-3.816	74.000	PEAK
6		2500.000	14.518	36.499	51.018	-22.982	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2016/12/14**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2452MHz** **Mode 1: Tx-AD2037320910LF-CDD Mode**

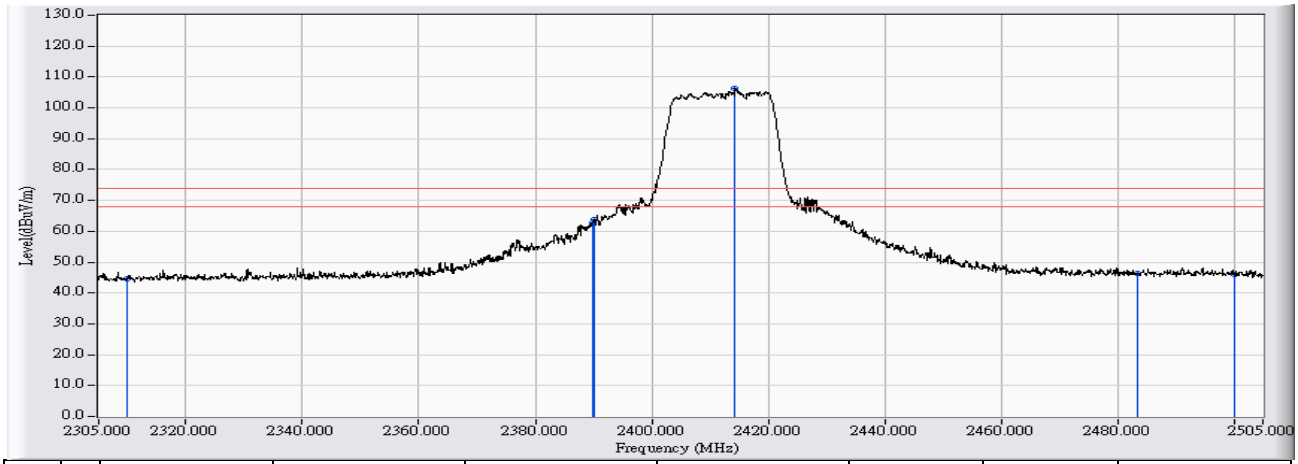


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	18.403	31.749	-22.251	54.000	AVERAGE
2		2390.000	13.840	21.059	34.899	-19.101	54.000	AVERAGE
3	*	2446.200	14.188	75.089	89.277	35.277	54.000	AVERAGE
4		2483.500	14.417	38.243	52.661	-1.339	54.000	AVERAGE
5		2483.600	14.419	38.136	52.555	-1.445	54.000	AVERAGE
6		2500.000	14.518	22.111	36.630	-17.370	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2017/01/08**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(20M)_2412MHz** **Mode 3: Tx-AD2037320910LF-BF Mode**

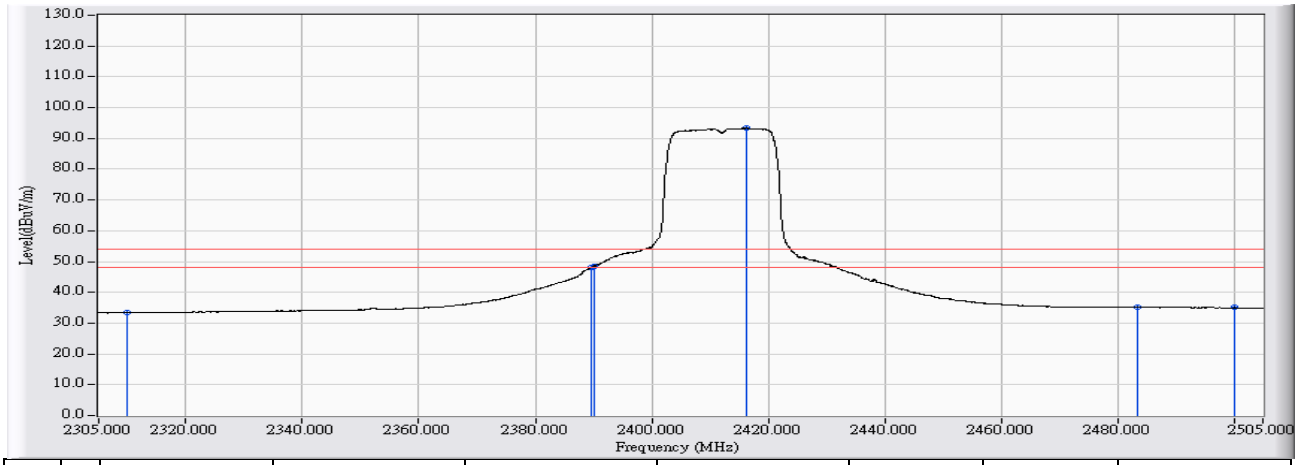


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	31.243	44.589	-29.411	74.000	PEAK
2		2389.900	13.840	49.066	62.906	-11.094	74.000	PEAK
3		2390.000	13.840	49.939	63.779	-10.221	74.000	PEAK
4	*	2414.300	13.990	92.464	106.454	32.454	74.000	PEAK
5		2483.500	14.417	31.855	46.273	-27.727	74.000	PEAK
6		2500.000	14.518	31.612	46.131	-27.869	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2017/01/08**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(20M)_2412MHz** **Mode 3: Tx-AD2037320910LF-BF Mode**

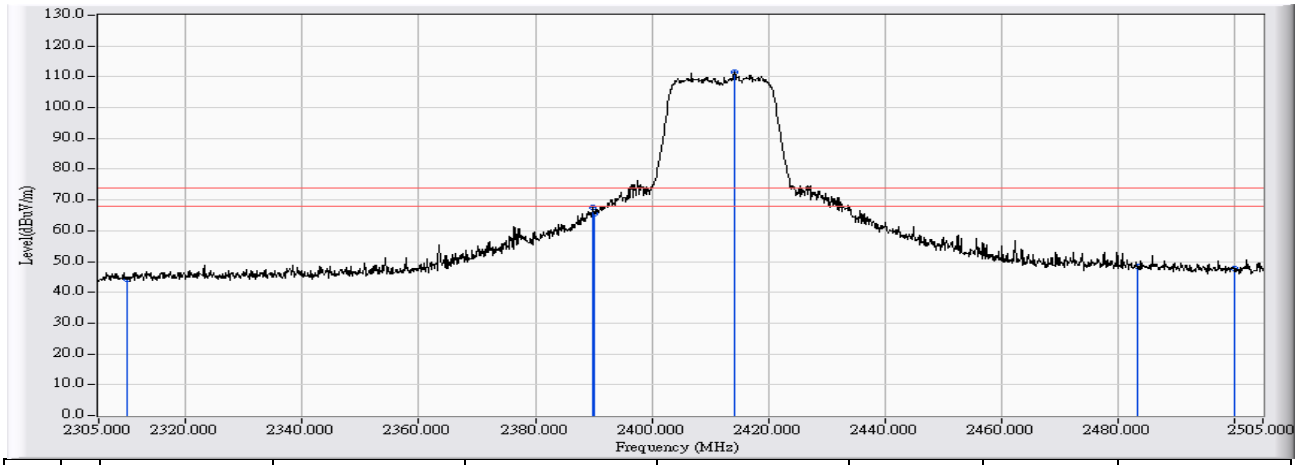


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	20.112	33.458	-20.542	54.000	AVERAGE
2		2389.700	13.838	34.308	48.146	-5.854	54.000	AVERAGE
3		2390.000	13.840	34.637	48.477	-5.523	54.000	AVERAGE
4	*	2416.200	14.002	79.393	93.395	39.395	54.000	AVERAGE
5		2483.500	14.417	20.719	35.137	-18.863	54.000	AVERAGE
6		2500.000	14.518	20.552	35.071	-18.929	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2017/01/08**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(20M)_2412MHz** **Mode 3: Tx-AD2037320910LF-BF Mode**

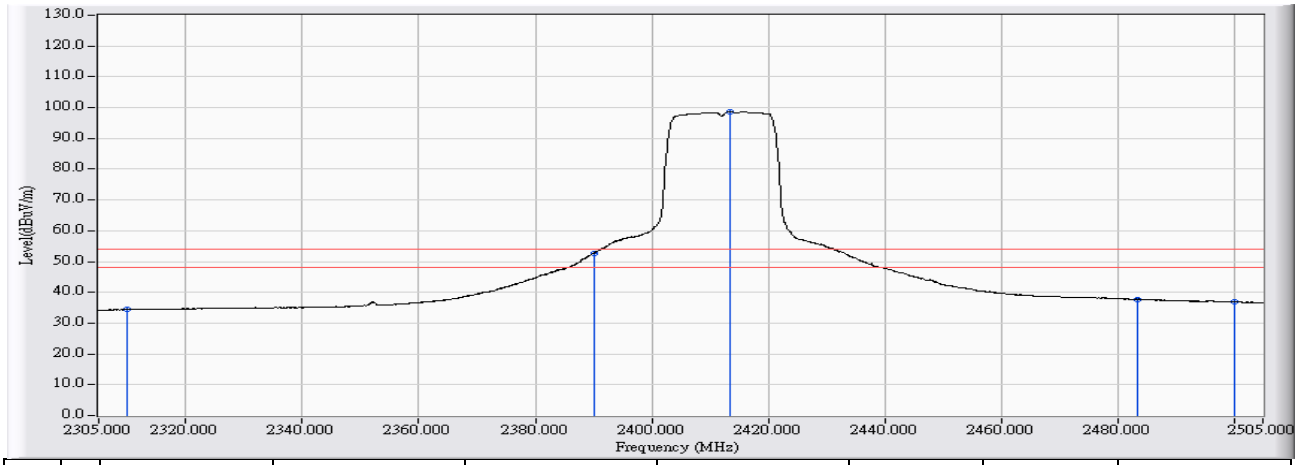


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	31.058	44.404	-29.596	74.000	PEAK
2		2389.800	13.840	53.833	67.672	-6.328	74.000	PEAK
3		2390.000	13.840	51.582	65.422	-8.578	74.000	PEAK
4	*	2414.300	13.990	97.435	111.425	37.425	74.000	PEAK
5		2483.500	14.417	34.018	48.436	-25.564	74.000	PEAK
6		2500.000	14.518	33.308	47.827	-26.173	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2017/01/08**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(20M)_2412MHz** **Mode 3: Tx-AD2037320910LF-BF Mode**

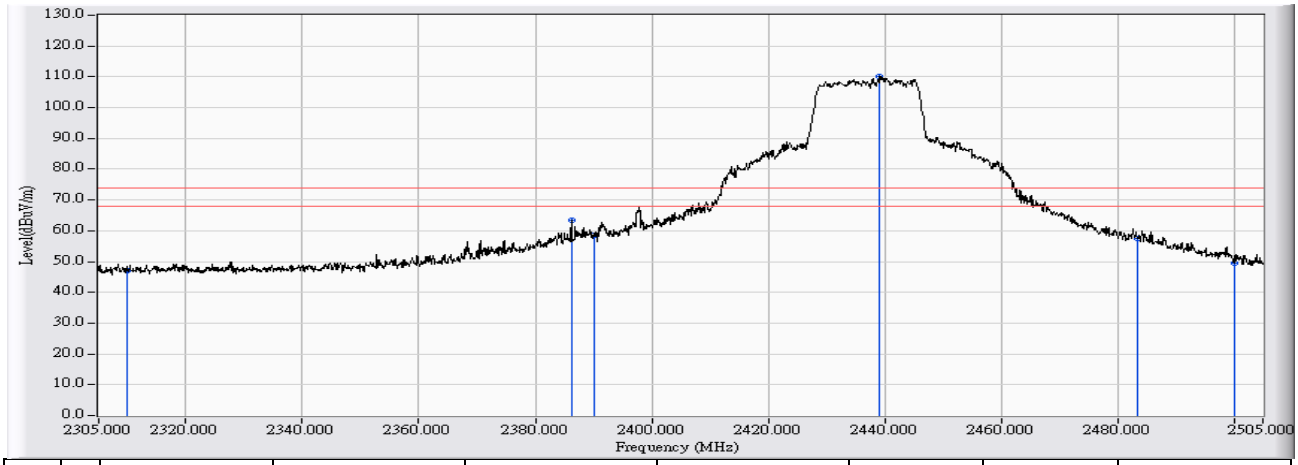


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	20.991	34.337	-19.663	54.000	AVERAGE
2		2390.000	13.840	38.747	52.587	-1.413	54.000	AVERAGE
3	*	2413.400	13.985	84.651	98.636	44.636	54.000	AVERAGE
4		2483.500	14.417	23.357	37.775	-16.225	54.000	AVERAGE
5		2483.580	14.419	23.395	37.814	-16.186	54.000	AVERAGE
6		2500.000	14.518	22.403	36.922	-17.078	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2017/01/08**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(20M)_2437MHz** **Mode 3: Tx-AD2037320910LF-BF Mode**

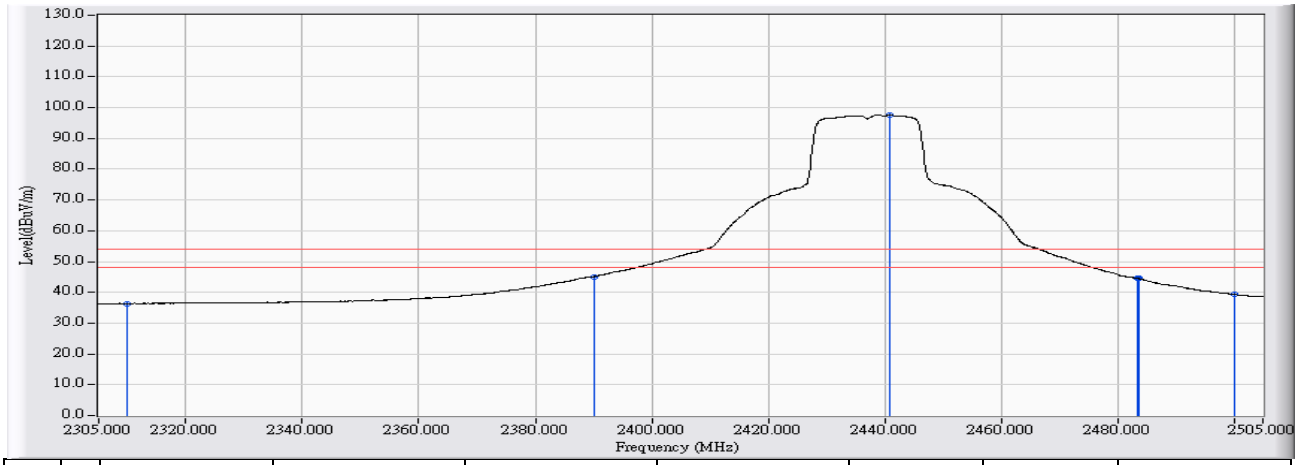


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	33.578	46.924	-27.076	74.000	PEAK
2		2386.200	13.817	49.636	63.453	-10.547	74.000	PEAK
3		2390.000	13.840	44.646	58.486	-15.514	74.000	PEAK
4	*	2439.200	14.144	96.039	110.183	36.183	74.000	PEAK
5		2483.500	14.417	43.036	57.454	-16.546	74.000	PEAK
6		2500.000	14.518	35.076	49.595	-24.405	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2017/01/08**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(20M)_2437MHz** **Mode 3: Tx-AD2037320910LF-BF Mode**

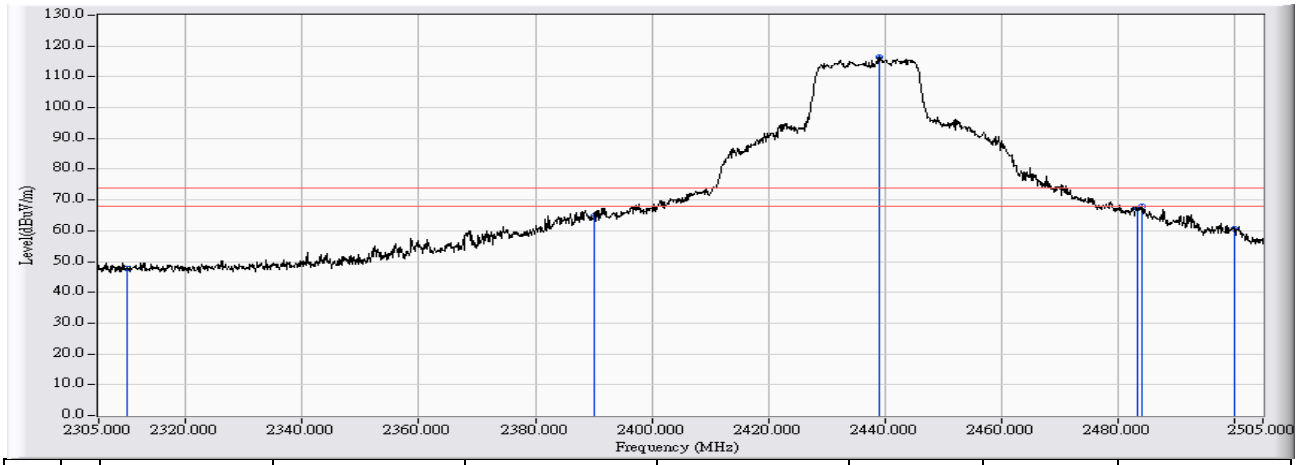


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	22.983	36.329	-17.671	54.000	AVERAGE
2		2390.000	13.840	31.267	45.107	-8.893	54.000	AVERAGE
3	*	2440.900	14.155	83.430	97.585	43.585	54.000	AVERAGE
4		2483.500	14.417	30.021	44.439	-9.561	54.000	AVERAGE
5		2483.600	14.419	30.044	44.463	-9.537	54.000	AVERAGE
6		2500.000	14.518	24.827	39.346	-14.654	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2017/01/08**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(20M)_2437MHz** **Mode 3: Tx-AD2037320910LF-BF Mode**

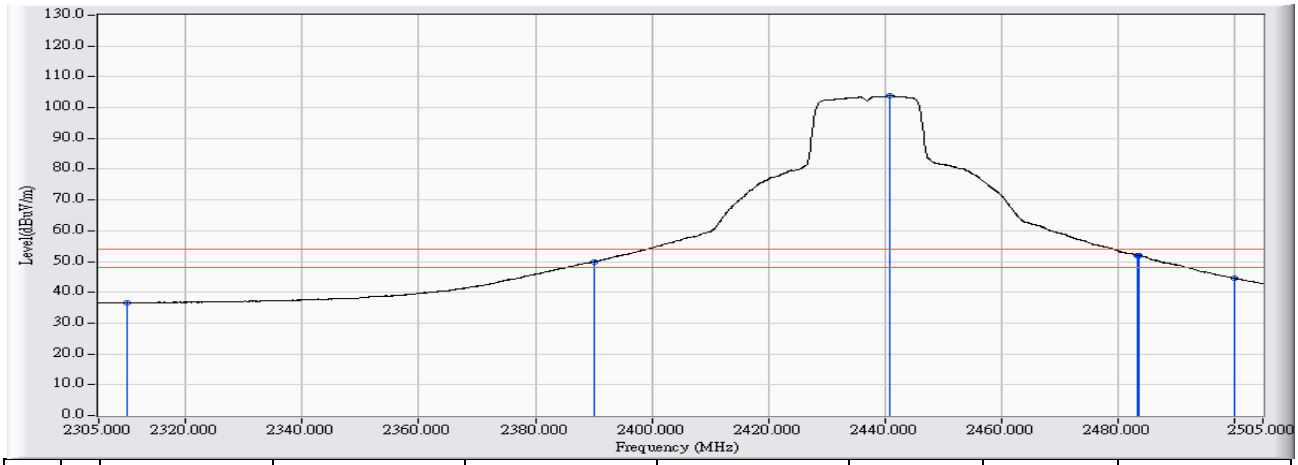


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	34.259	47.605	-26.395	74.000	PEAK
2		2390.000	13.840	50.867	64.707	-9.293	74.000	PEAK
3	*	2439.100	14.144	102.426	116.570	42.570	74.000	PEAK
4		2483.500	14.417	52.803	67.221	-6.779	74.000	PEAK
5		2484.300	14.423	53.581	68.004	-5.996	74.000	PEAK
6		2500.000	14.518	46.148	60.667	-13.333	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2017/01/08**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(20M)_2437MHz** **Mode 3: Tx-AD2037320910LF-BF Mode**

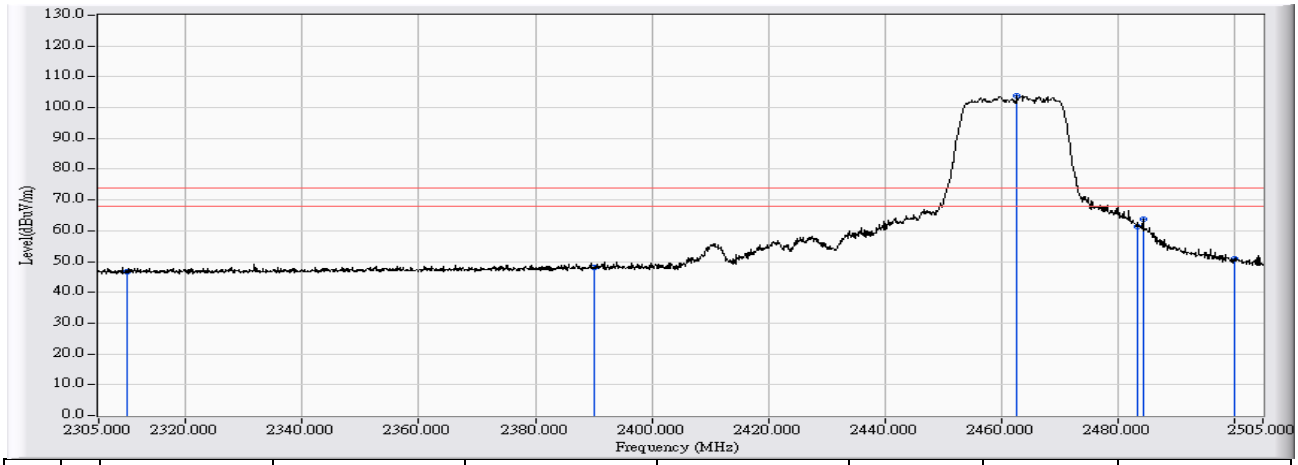


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	23.275	36.621	-17.379	54.000	AVERAGE
2		2390.000	13.840	35.964	49.804	-4.196	54.000	AVERAGE
3	*	2440.900	14.155	89.719	103.874	49.874	54.000	AVERAGE
4		2483.500	14.417	37.586	52.004	-1.996	54.000	AVERAGE
5		2483.600	14.419	37.610	52.029	-1.971	54.000	AVERAGE
6		2500.000	14.518	30.117	44.636	-9.364	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2017/01/08**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(20M)_2462MHz** **Mode 3: Tx-AD2037320910LF-BF Mode**

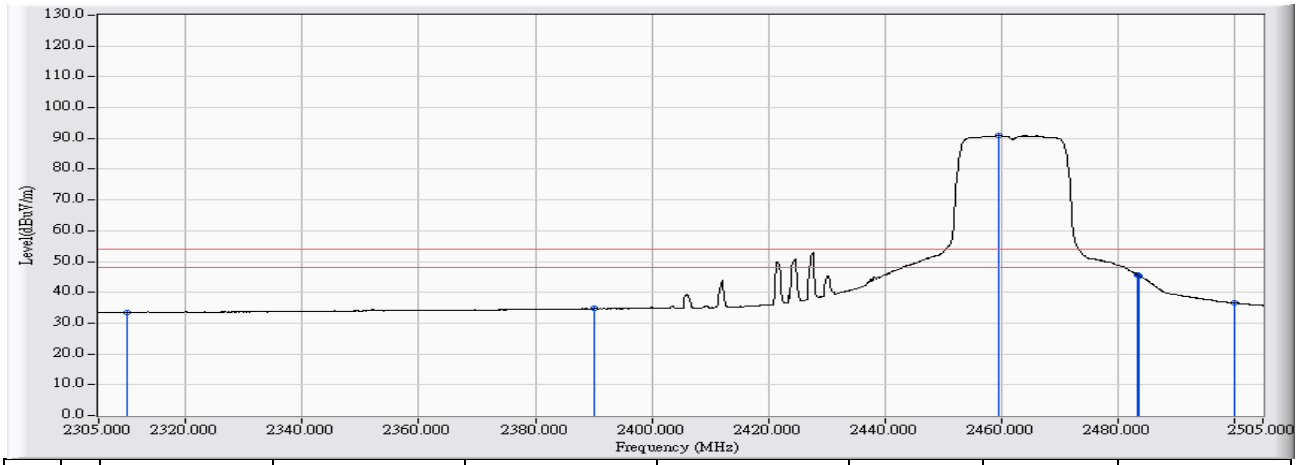


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	33.334	46.680	-27.320	74.000	PEAK
2		2390.000	13.840	34.245	48.085	-25.915	74.000	PEAK
3	*	2462.800	14.291	89.581	103.871	29.871	74.000	PEAK
4		2483.500	14.417	46.805	61.223	-12.777	74.000	PEAK
5		2484.400	14.424	49.422	63.846	-10.154	74.000	PEAK
6		2500.000	14.518	36.291	50.810	-23.190	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2017/01/08**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(20M)_2462MHz** **Mode 3: Tx-AD2037320910LF-BF Mode**

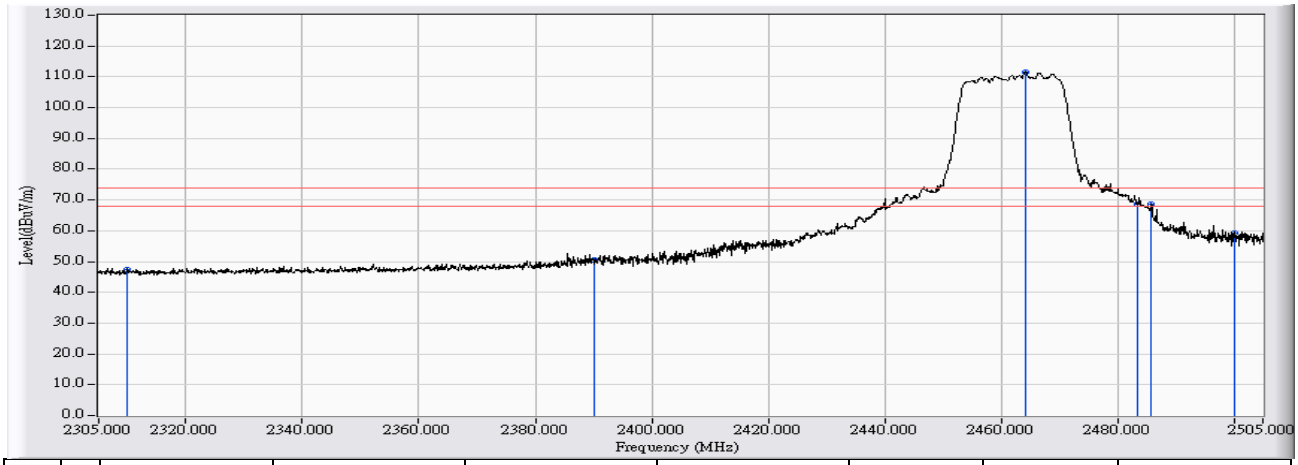


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	20.108	33.454	-20.546	54.000	AVERAGE
2		2390.000	13.840	20.871	34.711	-19.289	54.000	AVERAGE
3	*	2459.700	14.270	76.610	90.881	36.881	54.000	AVERAGE
4		2483.500	14.417	31.198	45.616	-8.384	54.000	AVERAGE
5		2483.800	14.420	30.998	45.418	-8.582	54.000	AVERAGE
6		2500.000	14.518	22.072	36.591	-17.409	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2017/01/08**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(20M)_2462MHz** **Mode 3: Tx-AD2037320910LF-BF Mode**

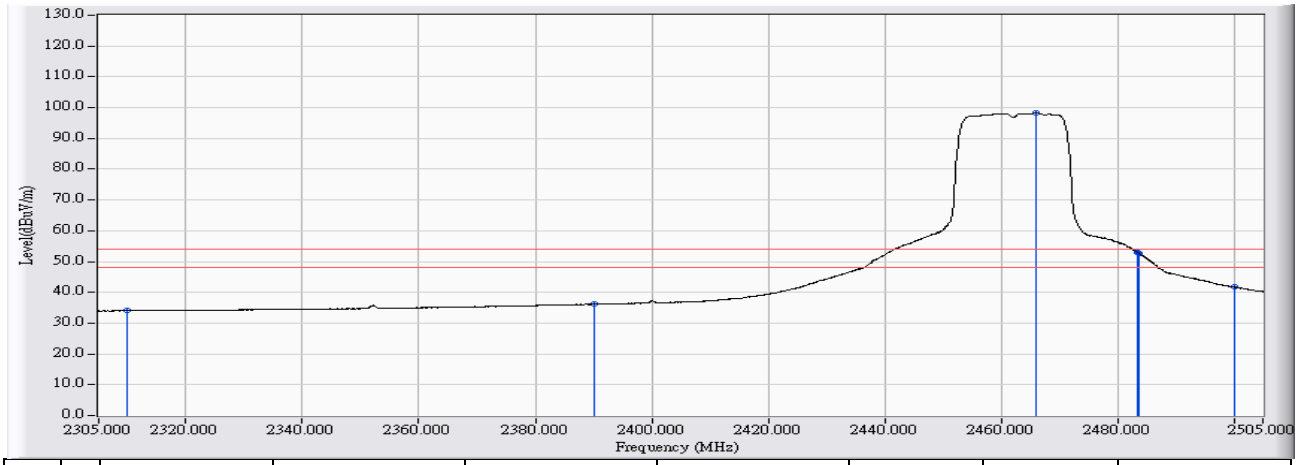


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	33.989	47.335	-26.665	74.000	PEAK
2		2390.000	13.840	36.626	50.466	-23.534	74.000	PEAK
3	*	2464.200	14.299	97.165	111.464	37.464	74.000	PEAK
4		2483.500	14.417	54.097	68.515	-5.485	74.000	PEAK
5		2485.800	14.432	54.313	68.745	-5.255	74.000	PEAK
6		2500.000	14.518	44.568	59.087	-14.913	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2017/01/08**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(20M)_2462MHz** **Mode 3: Tx-AD2037320910LF-BF Mode**

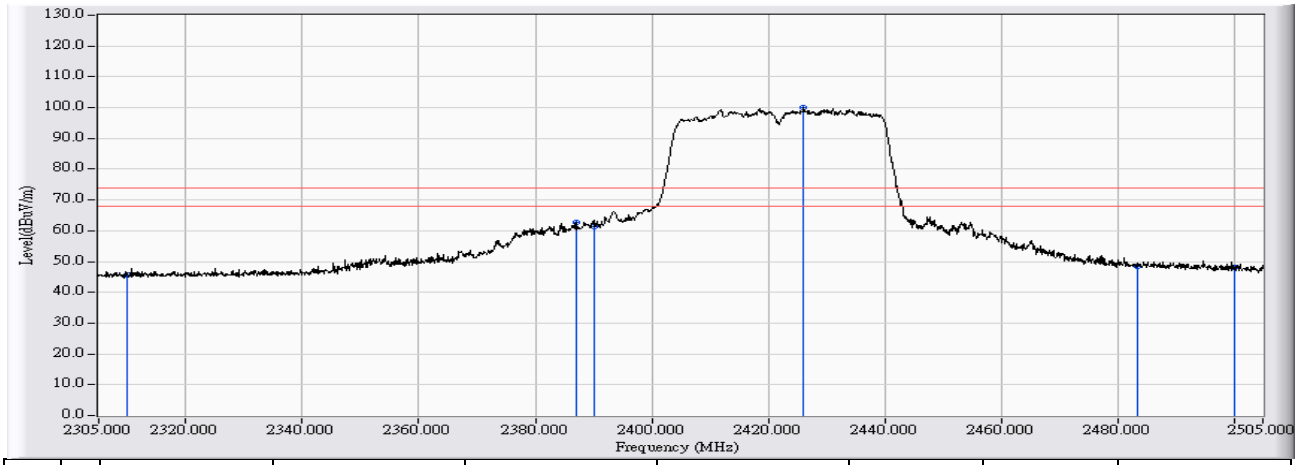


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	20.709	34.055	-19.945	54.000	AVERAGE
2		2390.000	13.840	22.258	36.098	-17.902	54.000	AVERAGE
3	*	2466.000	14.310	83.935	98.245	44.245	54.000	AVERAGE
4		2483.500	14.417	38.409	52.827	-1.173	54.000	AVERAGE
5		2483.700	14.420	38.341	52.760	-1.240	54.000	AVERAGE
6		2500.000	14.518	27.144	41.663	-12.337	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2017/01/08**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2422MHz** **Mode 3: Tx-AD2037320910LF-BF Mode**

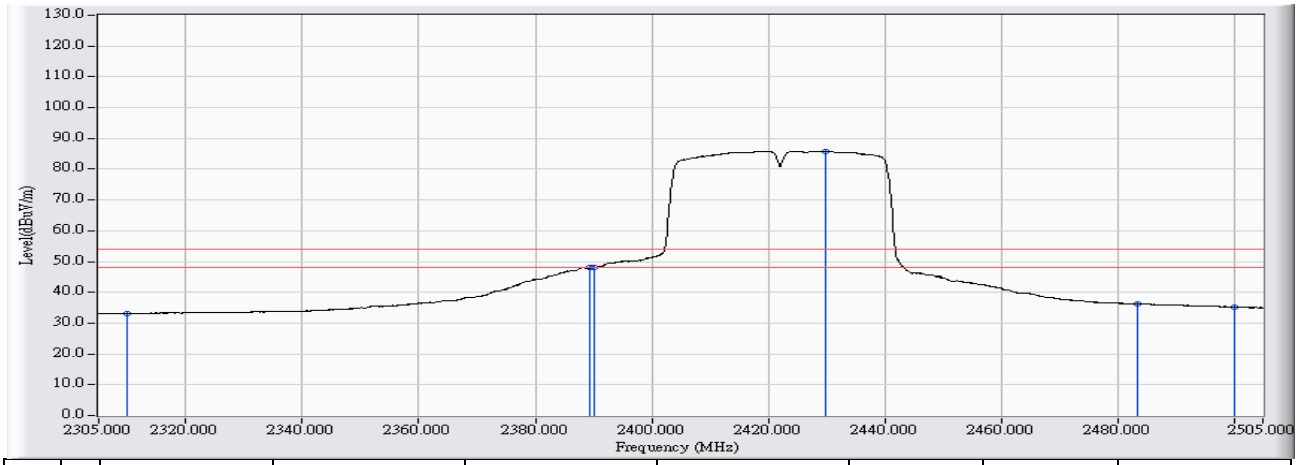


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	32.437	45.783	-28.217	74.000	PEAK
2		2387.000	13.822	48.775	62.597	-11.403	74.000	PEAK
3		2390.000	13.840	47.623	61.463	-12.537	74.000	PEAK
4	*	2426.100	14.064	85.890	99.953	25.953	74.000	PEAK
5		2483.500	14.417	33.870	48.288	-25.712	74.000	PEAK
6		2500.000	14.518	33.745	48.264	-25.736	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2017/01/08**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2422MHz** **Mode 3: Tx-AD2037320910LF-BF Mode**

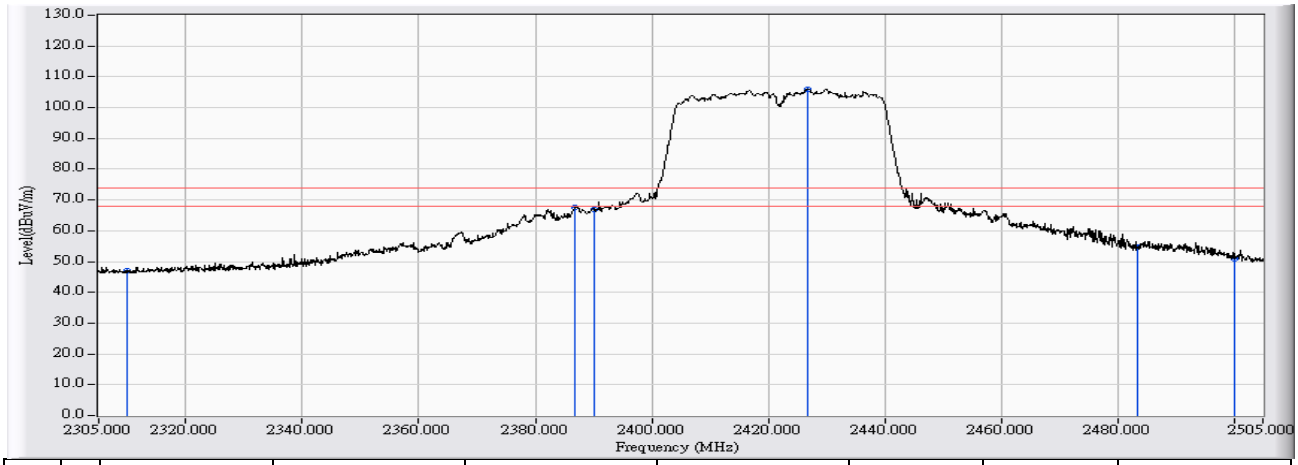


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	19.742	33.088	-20.912	54.000	AVERAGE
2		2389.400	13.837	34.119	47.955	-6.045	54.000	AVERAGE
3		2390.000	13.840	34.250	48.090	-5.910	54.000	AVERAGE
4	*	2429.800	14.087	71.747	85.833	31.833	54.000	AVERAGE
5		2483.500	14.417	21.773	36.191	-17.809	54.000	AVERAGE
6		2500.000	14.518	20.844	35.363	-18.637	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2017/01/08**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2422MHz** **Mode 3: Tx-AD2037320910LF-BF Mode**

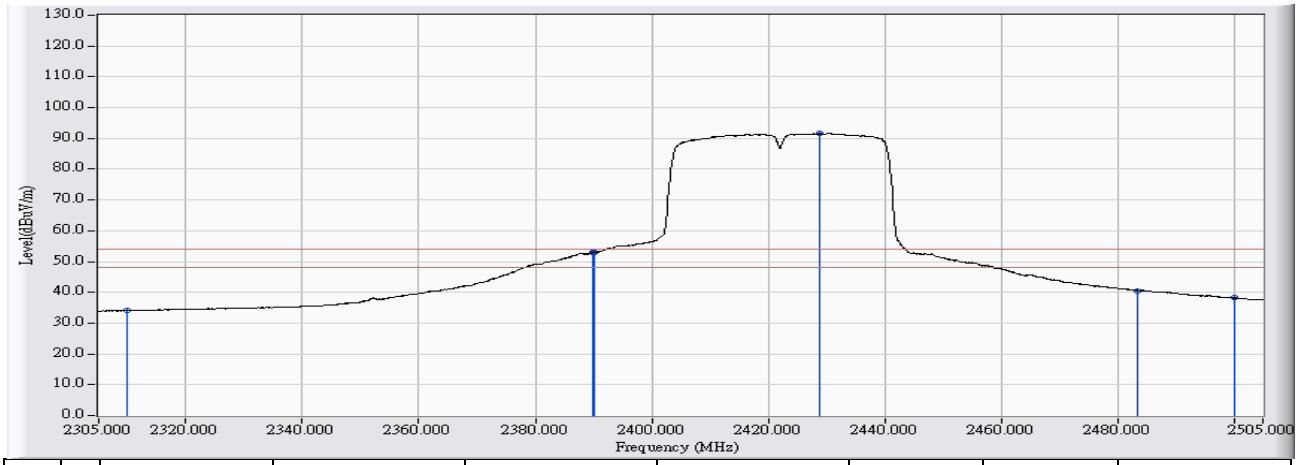


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	33.836	47.182	-26.818	74.000	PEAK
2		2386.900	13.821	53.961	67.782	-6.218	74.000	PEAK
3		2390.000	13.840	53.245	67.085	-6.915	74.000	PEAK
4	*	2426.900	14.068	92.049	106.117	32.117	74.000	PEAK
5		2483.500	14.417	40.463	54.881	-19.119	74.000	PEAK
6		2500.000	14.518	36.198	50.717	-23.283	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2017/01/08**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2422MHz** **Mode 3: Tx-AD2037320910LF-BF Mode**

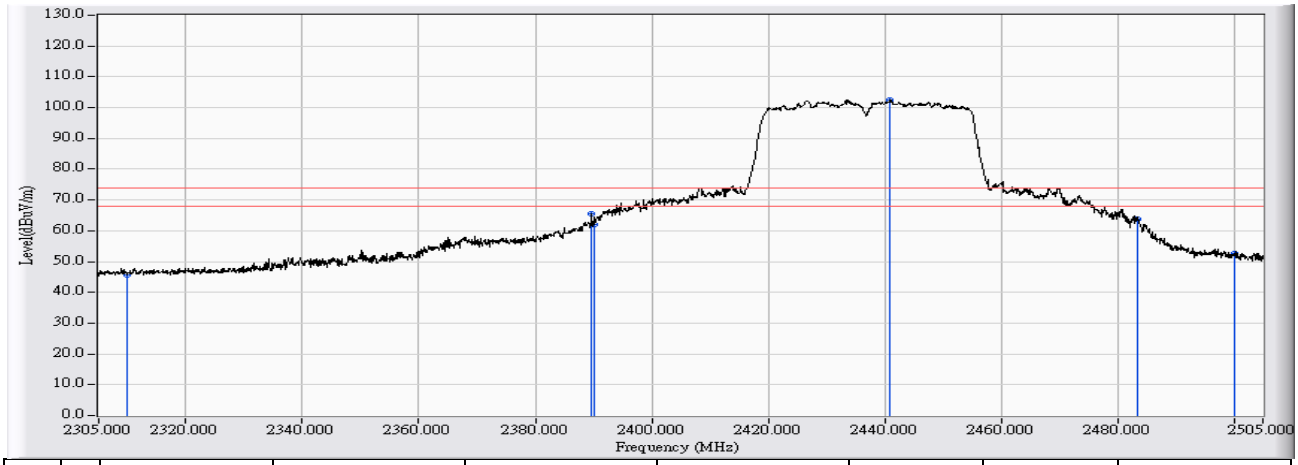


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	20.764	34.110	-19.890	54.000	AVERAGE
2		2389.900	13.840	39.063	52.903	-1.097	54.000	AVERAGE
3		2390.000	13.840	39.110	52.950	-1.050	54.000	AVERAGE
4	*	2428.800	14.079	77.522	91.602	37.602	54.000	AVERAGE
5		2483.500	14.417	26.139	40.557	-13.443	54.000	AVERAGE
6		2500.000	14.518	23.696	38.215	-15.785	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2017/01/08**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2437MHz** **Mode 3: Tx-AD2037320910LF-BF Mode**

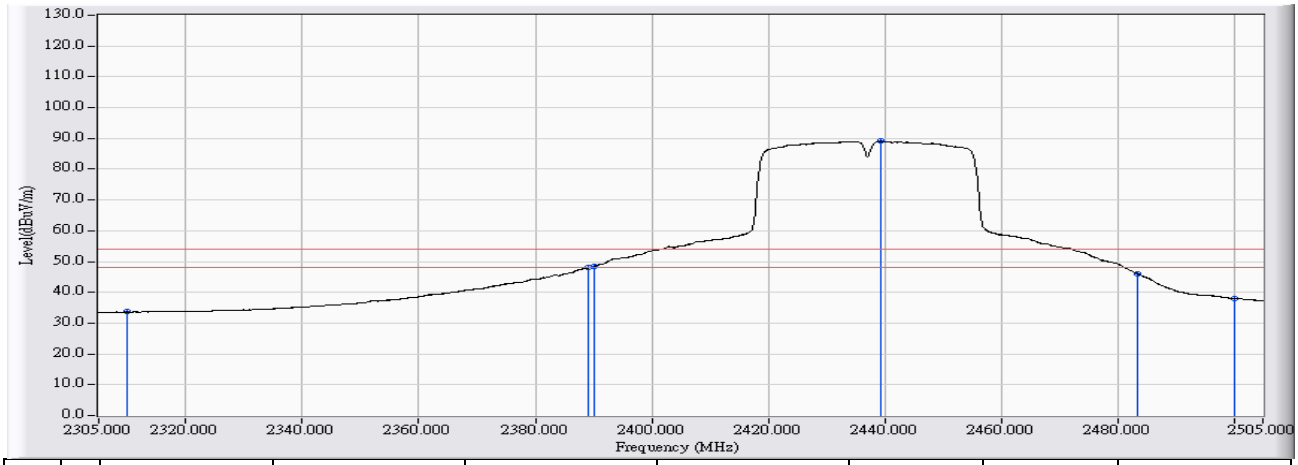


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	32.181	45.527	-28.473	74.000	PEAK
2		2389.700	13.838	51.710	65.548	-8.452	74.000	PEAK
3		2390.000	13.840	48.057	61.897	-12.103	74.000	PEAK
4	*	2440.900	14.155	88.412	102.567	28.567	74.000	PEAK
5		2483.500	14.417	49.200	63.618	-10.382	74.000	PEAK
6		2500.000	14.518	38.176	52.695	-21.305	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2017/01/08**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2437MHz** **Mode 3: Tx-AD2037320910LF-BF Mode**

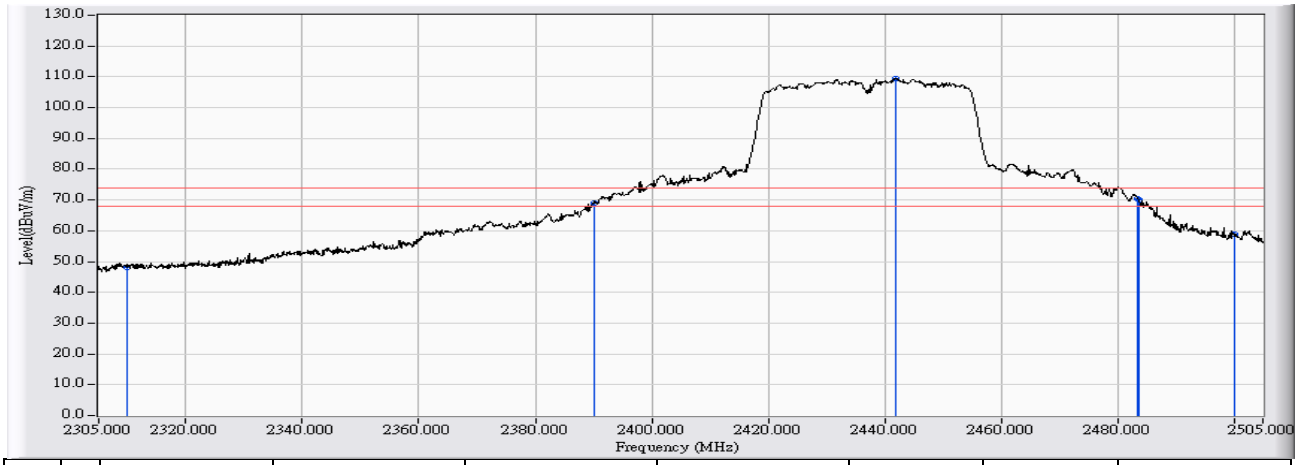


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	20.298	33.644	-20.356	54.000	AVERAGE
2		2389.200	13.835	34.109	47.944	-6.056	54.000	AVERAGE
3		2390.000	13.840	34.493	48.333	-5.667	54.000	AVERAGE
4	*	2439.300	14.145	74.951	89.096	35.096	54.000	AVERAGE
5		2483.500	14.417	31.649	46.067	-7.933	54.000	AVERAGE
6		2500.000	14.518	23.538	38.057	-15.943	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2017/01/08**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2437MHz** **Mode 3: Tx-AD2037320910LF-BF Mode**

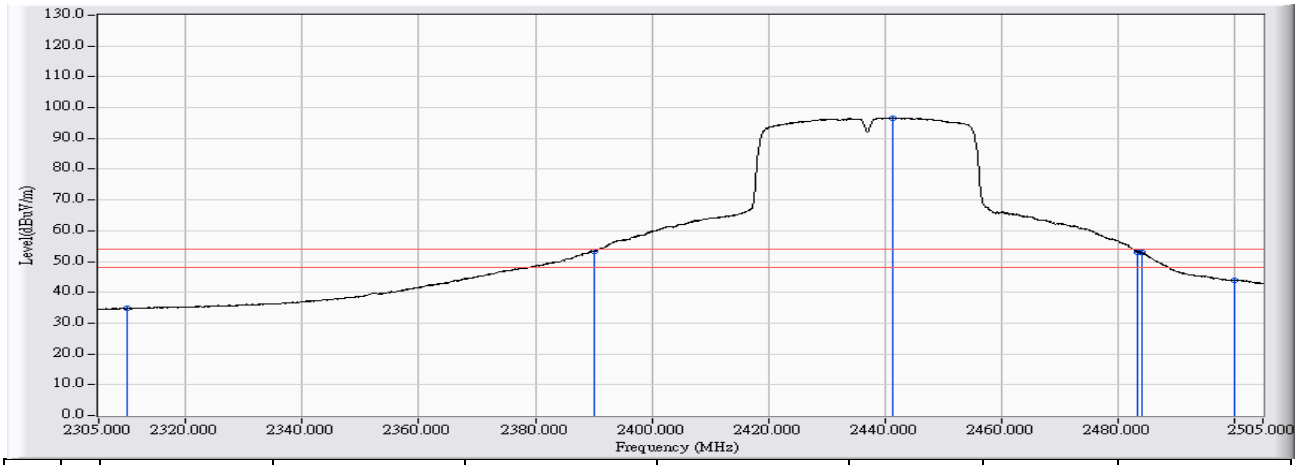


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	34.719	48.065	-25.935	74.000	PEAK
2		2390.000	13.840	55.079	68.919	-5.081	74.000	PEAK
3	*	2442.000	14.162	95.372	109.534	35.534	74.000	PEAK
4		2483.500	14.417	56.055	70.473	-3.527	74.000	PEAK
5		2483.600	14.419	55.795	70.214	-3.786	74.000	PEAK
6		2500.000	14.518	44.218	58.737	-15.263	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2017/01/08**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2437MHz** **Mode 3: Tx-AD2037320910LF-BF Mode**

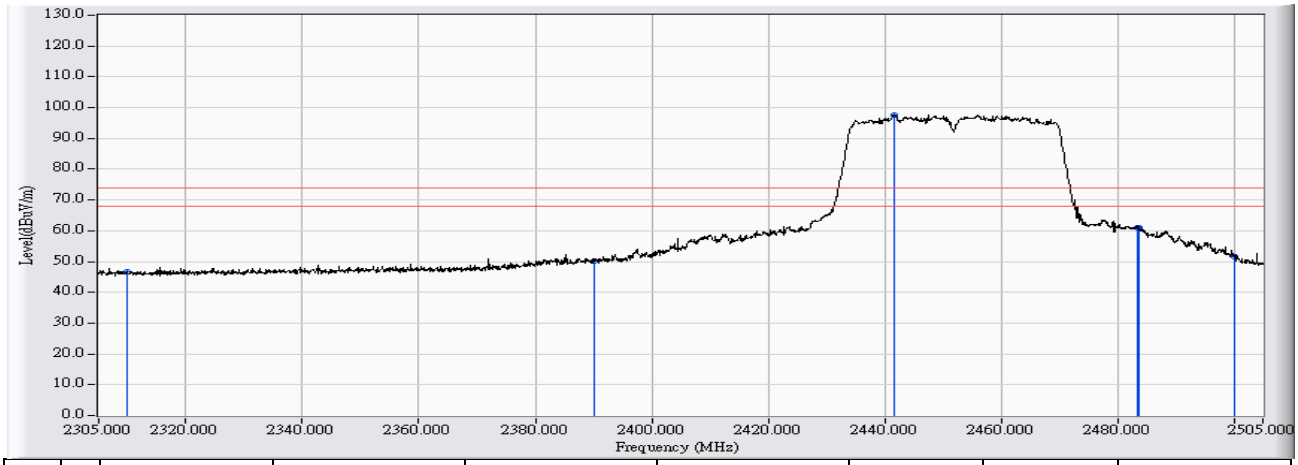


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	21.370	34.716	-19.284	54.000	AVERAGE
2		2390.000	13.840	39.311	53.151	-0.849	54.000	AVERAGE
3	*	2441.300	14.157	82.540	96.697	42.697	54.000	AVERAGE
4		2483.500	14.417	38.498	52.916	-1.084	54.000	AVERAGE
5		2484.200	14.422	38.440	52.862	-1.138	54.000	AVERAGE
6		2500.000	14.518	29.563	44.082	-9.918	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2017/01/08**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2452MHz** **Mode 3: Tx-AD2037320910LF-BF Mode**

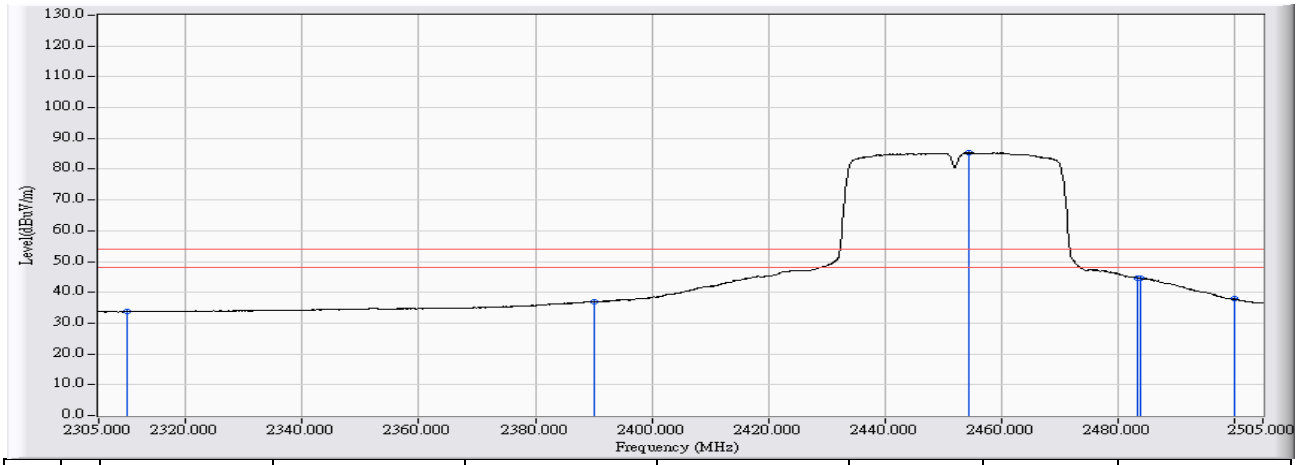


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	33.529	46.875	-27.125	74.000	PEAK
2		2390.000	13.840	36.199	50.039	-23.961	74.000	PEAK
3	*	2441.700	14.160	83.423	97.583	23.583	74.000	PEAK
4		2483.500	14.417	46.660	61.078	-12.922	74.000	PEAK
5		2483.600	14.419	46.512	60.931	-13.069	74.000	PEAK
6		2500.000	14.518	36.893	51.412	-22.588	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2017/01/08**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2452MHz** **Mode 3: Tx-AD2037320910LF-BF Mode**

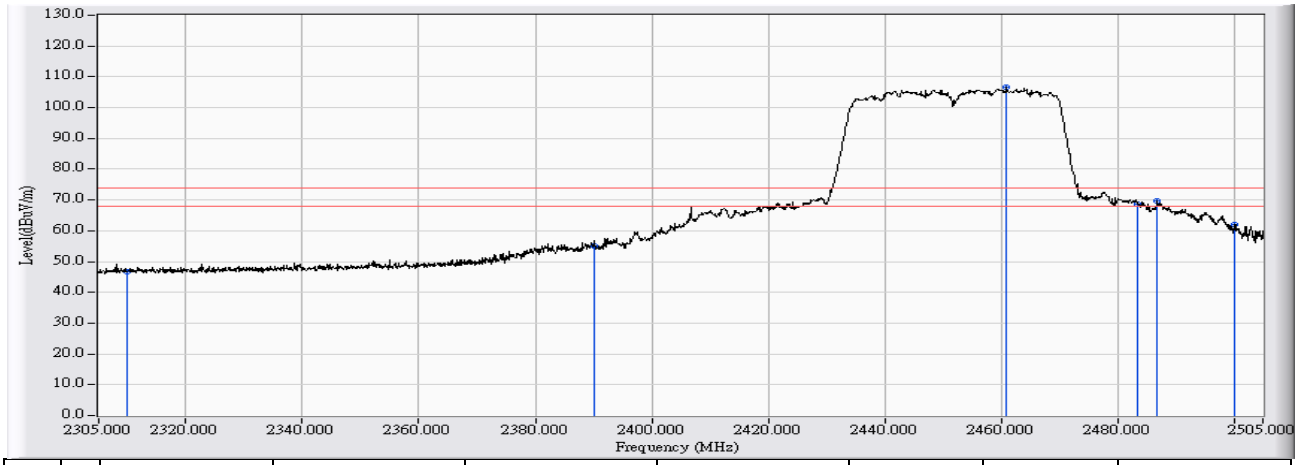


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	20.369	33.715	-20.285	54.000	AVERAGE
2		2390.000	13.840	23.076	36.916	-17.084	54.000	AVERAGE
3	*	2454.500	14.239	71.065	85.304	31.304	54.000	AVERAGE
4		2483.500	14.417	30.194	44.612	-9.388	54.000	AVERAGE
5		2483.900	14.420	30.065	44.485	-9.515	54.000	AVERAGE
6		2500.000	14.518	23.352	37.871	-16.129	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2017/01/08**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2452MHz** **Mode 3: Tx-AD2037320910LF-BF Mode**

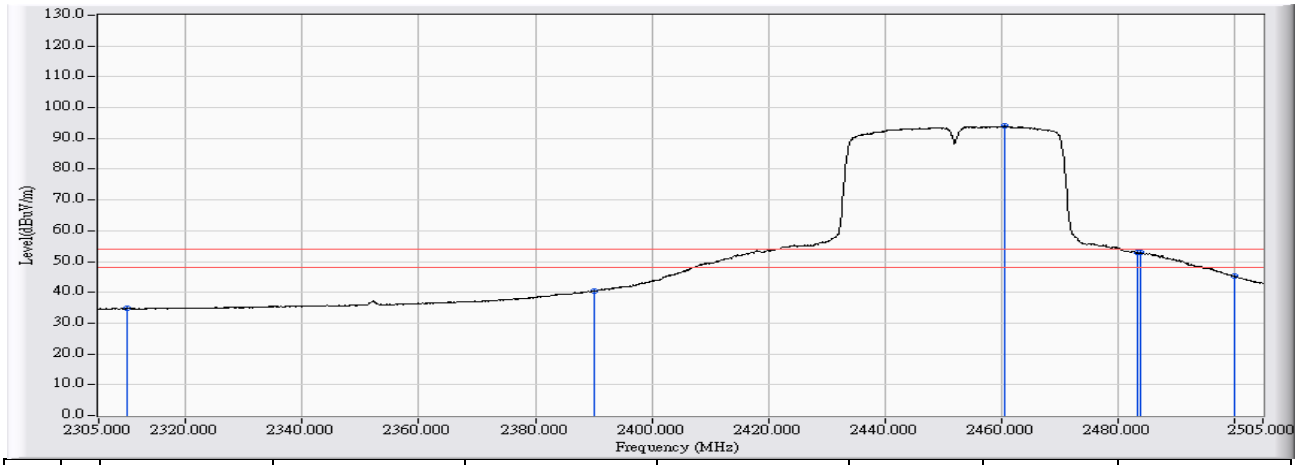


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	33.359	46.705	-27.295	74.000	PEAK
2		2390.000	13.840	41.135	54.975	-19.025	74.000	PEAK
3	*	2461.000	14.279	92.362	106.641	32.641	74.000	PEAK
4		2483.500	14.417	54.413	68.831	-5.169	74.000	PEAK
5		2486.900	14.439	55.384	69.823	-4.177	74.000	PEAK
6		2500.000	14.518	47.653	62.172	-11.828	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 = 3 MHz, 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.

Site : CB4-H	**Time : 2017/01/08**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Lyra mini	**Note : 802.11n(40M)_2452MHz** **Mode 3: Tx-AD2037320910LF-BF Mode**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	13.346	21.405	34.751	-19.249	54.000	AVERAGE
2		2390.000	13.840	26.521	40.361	-13.639	54.000	AVERAGE
3	*	2460.700	14.277	79.661	93.938	39.938	54.000	AVERAGE
4		2483.500	14.417	38.390	52.808	-1.192	54.000	AVERAGE
5		2483.900	14.420	38.446	52.866	-1.134	54.000	AVERAGE
6		2500.000	14.518	30.801	45.320	-8.680	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 = 3 MHz, 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.