

# FCC Test Report

Product Name : Gigabit Router Dual-band Wireless-N900  
Trade Name : ASUS  
Model No. : RT-N66U, RT-N66R, RT-N66W  
FCC ID. : MSQ-RT0K00

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

Date of Receipt : Mar. 29, 2016  
Issued Date : Jul. 21, 2016  
Report No. : 1640049R-RFUSP28V00  
Report Version : V1.0



The test results relate only to the samples tested.  
The test report shall not be reproduced except in full without the written approval of Quietek Corporation.

# Test Report Certification

Issued Date : Jul. 21, 2016

Report No. : 1640049R-RFUSP28V00



Product Name : Gigabit Router Dual-band Wireless-N900  
Applicant : ASUSTeK COMPUTER INC.  
Address : 4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan  
Manufacturer : ASUSTeK COMPUTER INC.  
Model No. : RT-N66U, RT-N66R, RT-N66W  
FCC ID. : MSQ-RT0K00  
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 : QuieTek Hsin Chu Laboratory  
Test Result : Complied

The test results relate only to the samples tested.

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

Documented By :

Handwritten signature of Carol Tsai in blue ink.

( Carol Tsai / Senior Engineering Adm. Specialist )

Tested By :

Handwritten signature of Bruno Tsai in blue ink.

( Bruno Tsai / Engineer )

Approved By :

Handwritten signature of Roy Wang in blue ink.

( Roy Wang / Director )



## Laboratory Information

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

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

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

The address and introduction of Quietek Corporation's laboratories can be founded in our Web site :  
[http://www.quietek.com/index\\_en.aspx](http://www.quietek.com/index_en.aspx)

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

### **HsinChu Testing Laboratory:**

No.75-2, 3rd Lin, Wangye Keng, Yonghxing Tsuen, Qionglin Shiang, Hsinchu County 307, Taiwan, R.O.C.

TEL:+886-3-592-8858 / FAX:+886-3-592-8859

E-Mail : [service@quietek.com](mailto:service@quietek.com)

### **LinKou Testing Laboratory:**

No.5-22, Ruishukeng, Linkou Dist., New Taipei City 24451, Taiwan, R.O.C.

TEL : 886-2-8601-3788 / FAX : 886-2-8601-3789

E-Mail : [service@quietek.com](mailto:service@quietek.com)

## TABLE OF CONTENTS

Description	Page
1. General Information.....	8
1.1. EUT Description .....	8
1.2. Test Mode .....	14
1.3. Tested System Details .....	15
1.4. Configuration of tested System .....	16
1.5. EUT Exercise Software .....	16
1.6. Test Facility.....	17
2. Conducted Emission .....	18
2.1. Test Equipment.....	18
2.2. Test Setup .....	18
2.3. Limits .....	19
2.4. Test Procedure .....	19
2.5. Test Specification.....	19
2.6. Uncertainty .....	19
2.7. Test Result.....	20
3. Peak Power Output .....	24
3.1. Test Equipment.....	24
3.2. Test Setup .....	24
3.3. Test procedures.....	24
3.4. Limits .....	24
3.5. Test Specification.....	24
3.6. Uncertainty .....	24
3.7. Test Result.....	25
4. Radiated Emission .....	77
4.1. Test Equipment.....	77
4.2. Test Setup .....	78
4.3. Limits .....	78
4.4. Test Procedure .....	79
4.5. Test Specification.....	79
4.6. Uncertainty .....	79
4.7. Test Result.....	80
5. RF antenna conducted test .....	141
5.1. Test Equipment.....	141
5.2. Test Setup .....	141

5.3.	Limits .....	142
5.4.	Test Procedure .....	142
5.5.	Test Specification.....	142
5.6.	Uncertainty .....	142
5.7.	Test Result.....	143
6.	Radiated Emission Band Edge.....	203
6.1.	Test Equipment.....	203
6.2.	Test Setup .....	203
6.3.	Limits .....	204
6.4.	Test Procedure .....	204
6.5.	Test Specification.....	204
6.6.	Uncertainty .....	204
6.7.	Test Result.....	205
7.	DTS Bandwidth .....	253
7.1.	Test Equipment.....	253
7.2.	Test Setup .....	253
7.3.	Test Procedures .....	253
7.4.	Limits .....	253
7.5.	Test Specification.....	253
7.6.	Uncertainty .....	253
7.7.	Test Result.....	254
8.	Occupied Bandwidth .....	290
8.1.	Test Equipment.....	290
8.2.	Test Setup .....	290
8.3.	Test Procedures .....	290
8.4.	Limits .....	290
8.5.	Test Specification.....	290
8.6.	Uncertainty .....	290
8.7.	Test Result.....	291
9.	Power Density .....	327
9.1.	Test Equipment.....	327
9.2.	Test Setup .....	327
9.3.	Limits .....	327
9.4.	Test Procedures .....	327
9.5.	Test Specification.....	327
9.6.	Uncertainty .....	327

---

9.7.	Test Result.....	328
Attachment 1 .....		368
	Test Setup Photograph.....	368
Attachment 2.....		373
	EUT External Photograph.....	373
Attachment 3.....		382
	EUT Internal Photograph.....	382
Attachment 4.....		399
	Original Report .....	399

## 1. General Information

### 1.1. EUT Description

Product Name	Gigabit Router Dual-band Wireless-N900
Product Type	WLAN(3TX,3RX)
Trade Name	ASUS
Model No.	RT-N66U, RT-N66R, RT-N66W
Frequency Range/Channel Number -IEEE 802.11b/g & IEEE 802.11n (20MHz)_2.4GHz	2412~2462MHz / 11 Channels
Frequency Range/Channel Number -IEEE 802.11n (40MHz) _2.4GHz	2422~2452MHz / 7 Channels
Type of Modulation (IEEE 802.11b)	Direct Sequence Spread Spectrum (DSSS)
Type of Modulation (IEEE 802.11g/n)	Orthogonal Frequency Division Multiplexing (OFDM)
Data Speed (IEEE 802.11b)	1Mbps, 2Mbps, 5.5Mbps, 11Mbps
Data Speed (IEEE 802.11g)	6Mbps,9Mbps,12Mbps,18Mbps,24Mbps,36Mbps,48Mbps,54Mbps
Data Speed (IEEE 802.11n)	Support a subset of the combination of GI, MCS 0~MCS 23 and bandwidth defined in 802.11n

Antenna Information	
Vender/Model	For M/N: RT-N66U, RT-N66R: Walsin / RFDPA141000SBLB812 Whayu / C660-510332-A For M/N: RT-N66W: Walsin / RFDPA141000SBLB803
Antenna Type	Dipole Antenna
Antenna Gain	2.4G: Ant0: 2dBi, Ant1: 2dBi, Ant2: 2dBi 5G Band1: Ant0: 4dBi, Ant1: 4dBi, Ant2: 4dBi 5G Band2: Ant0: 4dBi, Ant1: 4dBi, Ant2: 4dBi 5G Band3: Ant0: 4dBi, Ant1: 4dBi, Ant2: 4dBi



Accessories Information	
Antenna (For M/N: RT-N66U, RT-N66R)	Walsin/ RFDPA141000SBLB812, 3 PCS
Antenna (For M/N: RT-N66U, RT-N66R)	Whayu / C660-510332-A, 3 PCS
Antenna (For M/N: RT-N66W)	Walsin/ RFDPA141000SBLB803, 3 PCS
LAN Cable	Non-Shielded, 1.5m
Power Adatper	ASUS, AD82030 I/P : AC 100-240V~ 50-60Hz 0.8A O/P : 19V $\equiv$ 1.58A Cable Out: Non-Shielded, 2.5m, one ferrite core bonded.
Power Adatper	I.T.E., MU30-5120250-A1 I/P : 100-240V-50/60Hz 0.8A O/P : 12V $\equiv$ 2.5A Cable Out: Non-shielded, 1.8m
Power Adatper	ASUS, AD890326 I/P : 100-240V~ 50-60Hz 0.8A O/P : 19V $\equiv$ 1.75A Cable Out: Non-Shielded, 2m
Power Adatper	ASUS, ADP-33AW I/P : 100-240V~1A 50-60Hz O/P : 19V $\equiv$ 1.75A Cable Out: Non-shielded, 2m
Power Adapter (Level 6)	PI, AD890326010-2LF I/P : 100-240V~ 50-60Hz 0.8A O/P : 19V $\equiv$ 1.75A Cable Out: Non-Shielded, 2m
Power Adapter (Level 6)	DELTA, ADP-33AW B I/P : 100-240V~1A 50-60Hz O/P : 19V $\equiv$ 1.75A Cable Out: Non-shielded, 2m

**ANT-TX / RX & Bandwidth**

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

**IEEE 802.11n**

MCS Index	Modulation	R	N <sub>BPSCS</sub>	N <sub>CBPS</sub>		N <sub>DBPS</sub>		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 <sub>BPSCS</sub>	N <sub>CBPS</sub>		N <sub>DBPS</sub>		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

MCS Index	Modulation	R	N <sub>BPSCS</sub>	N <sub>CBPS</sub>		N <sub>DBPS</sub>		Data Rate(Mb/s)			
				20MHz	40MHz	20MHz	40MHz	800ns GI		400ns GI	
								20MHz	40MHz	20MHz	40MHz
16	BPSK	1/2	1	156	324	78	162	19.5	40.5	21.7	45.0
17	QPSK	1/2	2	312	648	156	324	39.0	81.0	43.3	90.0
18	QPSK	3/4	2	312	648	234	486	58.5	121.5	65.0	135.0
19	16-QAM	1/2	4	624	1296	312	648	78.0	162.0	86.7	180.0
20	16-QAM	3/4	4	624	1296	468	972	117.0	243.0	130.0	270.0
21	64-QAM	2/3	6	936	1944	624	1296	156.0	324.0	173.3	360.0
22	64-QAM	3/4	6	936	1944	702	1458	175.5	364.5	195.0	405.0
23	64-QAM	5/6	6	936	1944	780	1620	195.0	405.0	216.7	450.0

Note 1: Support of 400ns GI is optional on transmit and receive.

Table 3 – MCS parameters for TX Antenna number = 3

Symbol	Explanation
R	Code rate
N <sub>BPSC</sub>	Number of coded bits per single carrier
N <sub>CBPS</sub>	Number of coded bits per symbol
N <sub>DBPS</sub>	Number of data bits per symbol
GI	guard interval

IEEE 802.11b/g & IEEE 802.11n (20MHz) - 2.4GHz

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) - 2.4GHz

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 Gigabit Router Dual-band Wireless-N900 including 2.4GHz b/g/n and 5GHz a/n (3x3) transmitting and receiving function.
2. The different of the each model is shown as below:

Model No.	Externals color	Antenna	Different
RT-N66U RT-N66R	Black	Walsin/ RFDPA141000SBLB812 Whayu/ C660-510332-A	The variation of model number is for different strategy of marketing.
RT-N66W	White	Walsin/ RFDPA141000SBLB803	

3. These test results on a sample of the device are for the purpose of demonstrating Compliance with Part 15 Subpart C Paragraph 15.247.
4. 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.
5. The function of the 5.2GHz/5.8GHz transmitting is measured and makes a test report of the report number: 1640049R-RFUSP43V00 and 1640049R-RFUSP43V00-A.
6. This device is a composite device in accordance with Part 15 regulations. The receiving function was tested and its test report number is 1640049R-RFUSP01V00 under Declaration of Conformity.
7. The different of the each Antenna shown as below:

Antenna Source	Antenna Model	Antenna Gain (2.4G)	Antenna Gain (5G)
Walsin	RFDPA141000SBLB812	2dBi	4dBi
Whayu	C660-510332-A	2dBi	4dBi
Walsin	RFDPA141000SBLB803	2dBi	4dBi

8. The first source of 2.4G PA model name is Epicom (original report: 1590135R-RFUSP32V00); the second source of 2.4G PA model name is Richwave.

## 1.2. Test Mode

Quietek 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: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF Mode 2: Transmit_2.4 PA: Richwave; ADP: ADP-33AW B
----	---

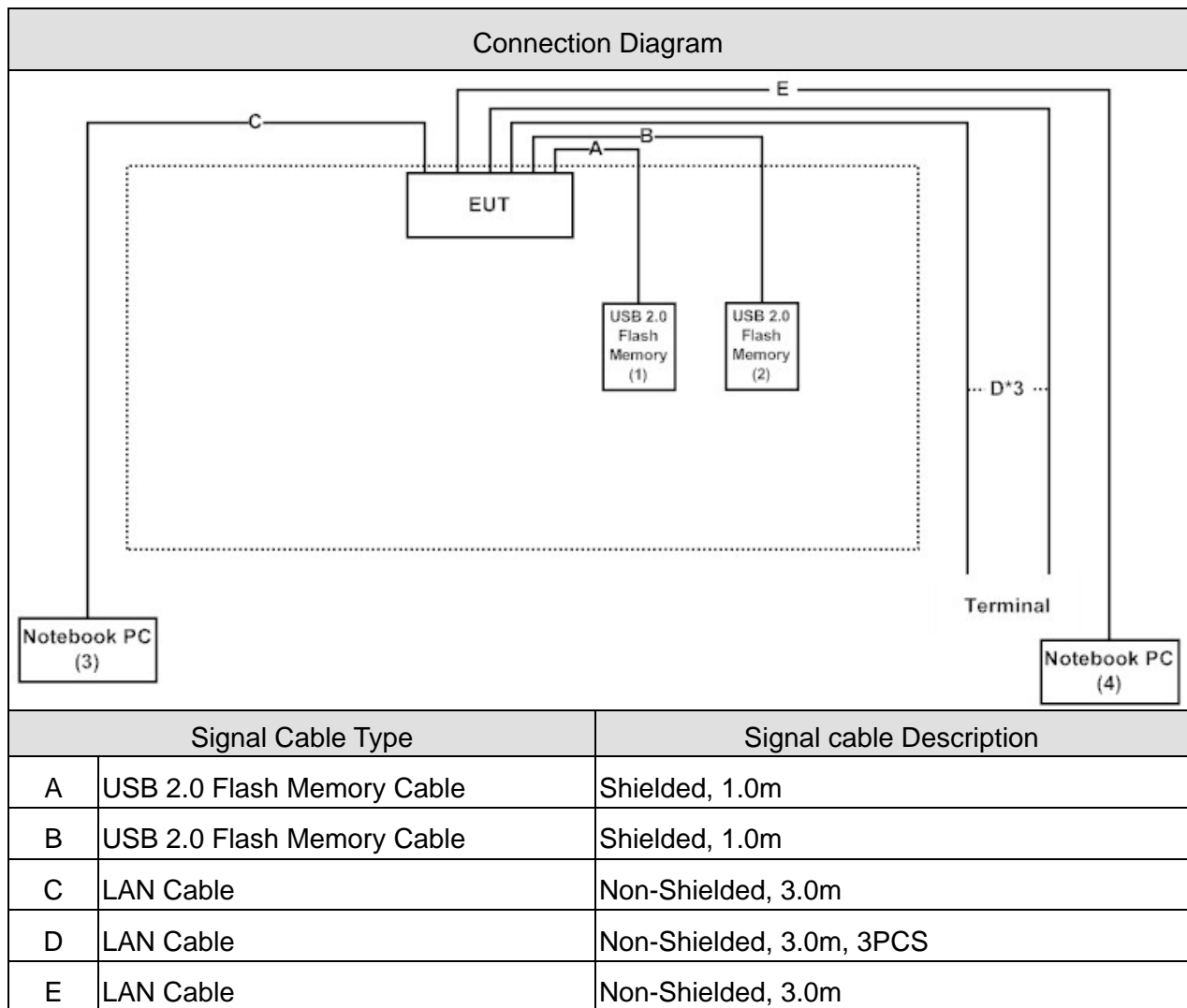
Test Items	Modulation	Channel	Antenna	Result
Conducted Emission	11n(40MHz)	6	0+1+2	Complies
Peak Power Output	11b/g	1/ 6/ 11	0+1+2	Complies
	11n(20MHz)	1/ 6/ 11	0+1+2	Complies
	11n(40MHz)	3/ 6/ 9	0+1+2	Complies
Radiated Emission	11b/g	1/ 6/ 11	0+1+2	Complies
	11n(20MHz)	1/ 6/ 11	0+1+2	Complies
	11n(40MHz)	3/ 6/ 9	0+1+2	Complies
RF antenna conducted test	11b/g	1/ 11	0/1/2	Complies
	11n(20MHz)	1/ 11	0/1/2	Complies
	11n(40MHz)	3/ 9	0/1/2	Complies
Radiated Emission Band Edge	11b/g	1/ 11	0+1+2	Complies
	11n(20MHz)	1/ 11	0+1+2	Complies
	11n(40MHz)	3/ 9	0+1+2	Complies
Occupied Bandwidth	11b/g	1/ 6/ 11	0/1/2	Complies
	11n(20MHz)	1/ 6/ 11	0/1/2	Complies
	11n(40MHz)	3/ 6/ 9	0/1/2	Complies
Power Density	11b/g	1/ 6/ 11	0+1+2	Complies
	11n(20MHz)	1/ 6/ 11	0+1+2	Complies
	11n(40MHz)	3/ 6/ 9	0+1+2	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 USB 2.0 Flash Memory	Sony	USM2GJX	N/A	DoC	--
2 USB 2.0 Flash Memory	Sony	USM2GJX	N/A	DoC	--
3 Notebook PC	DELL	PP37L	CD8BNG1	DoC	Non-Shielded, 1.8m
4 Notebook PC	HP Compaq	NX6320FF	CNU7020BXT	DoC	Non-Shielded, 1.8m

### 1.4. Configuration of tested System



### 1.5. EUT Exercise Software

1	Setup the EUT as shown in Section 1.4.
2	Execute the MFG Control Panel Ver 1.4.0.0 on the EUT.
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
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Peak Power Output	15 - 35	25
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Radiated Emission	15 - 35	25
Humidity (%RH)		25 - 75	65
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 RF antenna conducted test	15 - 35	25
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Band Edge	15 - 35	25
Humidity (%RH)		25 - 75	48
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Occupied Bandwidth	15 - 35	25
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Power Density	15 - 35	25
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000

## 2. Conducted Emission

### 2.1. Test Equipment

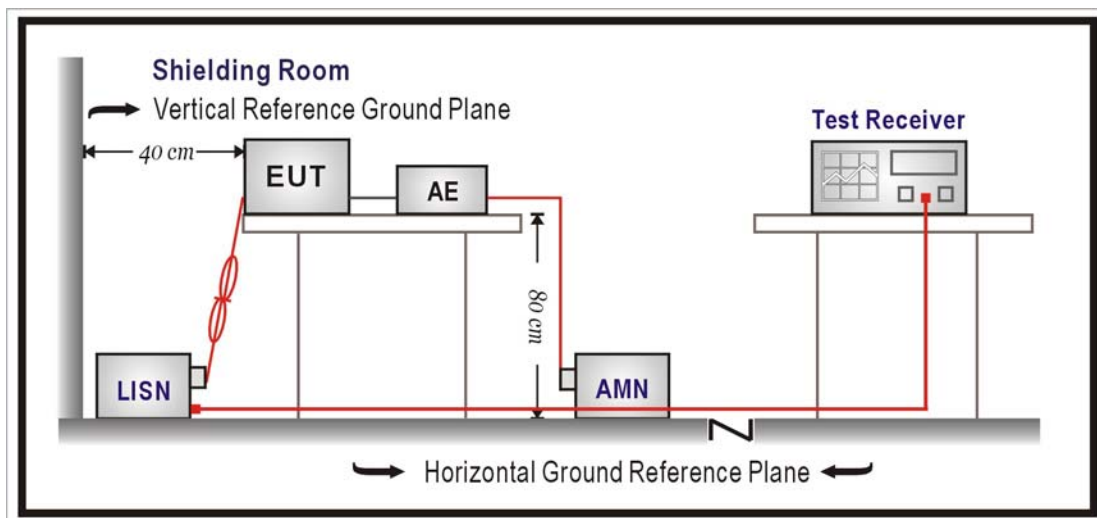
The following test equipments are used during the test:

Conducted Emission / SR3

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
LISN	R&S	ENV216	100096	2017/07/11
LISN	R&S	ESH3-Z5	836679/022	2016/11/30
Test Receiver	R&S	ESCS 30	825442/017	2017/01/04

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

### 2.2. Test Setup



### 2.3. Limits

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

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

### 2.4. Test Procedure

The EUT 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 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

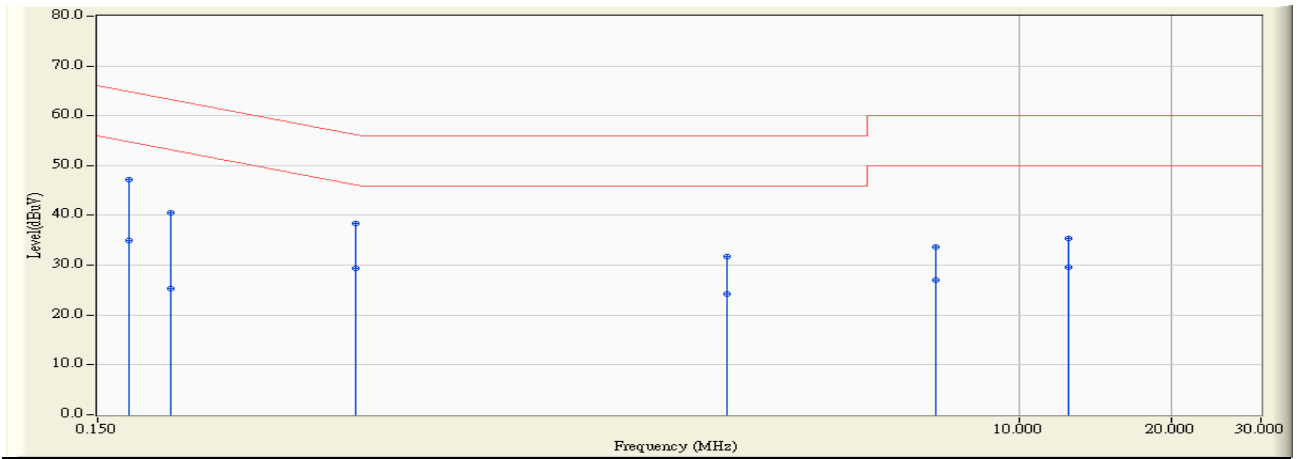
According to FCC Part 15 Subpart C Paragraph 15.207: 2015

### 2.6. Uncertainty

The measurement uncertainty is defined as  $\pm 2.26$  dB.

**2.7. Test Result**

<b>Site : SR3</b>	<b>Time : 2016/07/04 - 15:36</b>
<b>Limit : CISPR_B_00M_QP</b>	<b>Margin : 10</b>
<b>Probe : SR3_LISN(16A)-5_0728 - Line1</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF 802.11n(40M)_2437MHz</b>

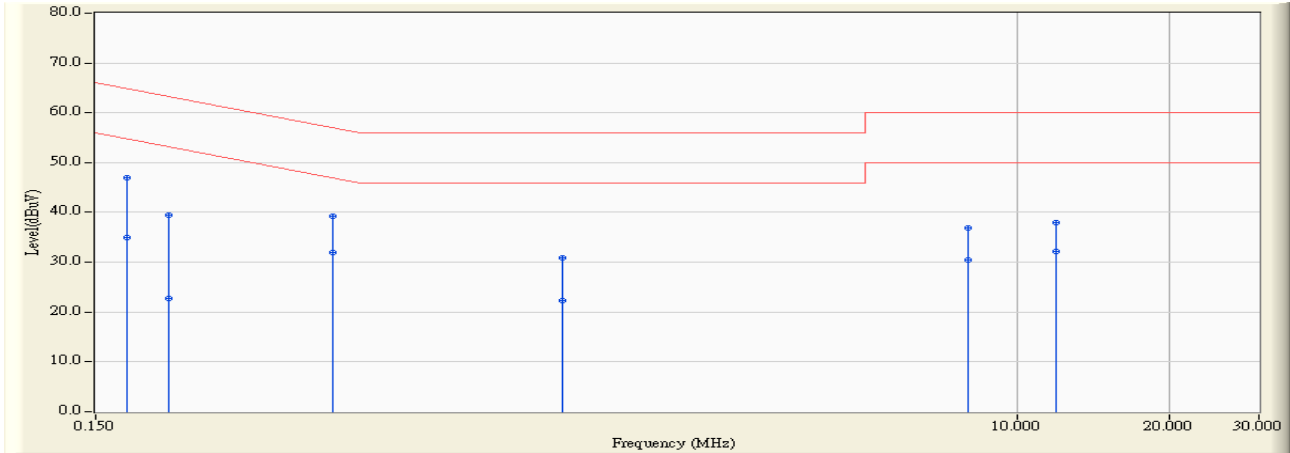


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV)</b>	<b>Detector Type</b>
1		0.173	9.748	37.430	47.179	-17.616	64.794	QUASPEAK
2		0.173	9.748	25.160	34.909	-19.886	54.794	AVERAGE
3		0.209	9.749	30.840	40.589	-22.672	63.261	QUASPEAK
4		0.209	9.749	15.630	25.379	-27.882	53.261	AVERAGE
5		0.486	9.788	28.600	38.388	-17.849	56.237	QUASPEAK
6	*	0.486	9.788	19.610	29.398	-16.839	46.237	AVERAGE
7		2.638	9.843	21.990	31.833	-24.167	56.000	QUASPEAK
8		2.638	9.843	14.370	24.213	-21.787	46.000	AVERAGE
9		6.838	9.999	23.610	33.609	-26.391	60.000	QUASPEAK
10		6.838	9.999	17.090	27.089	-22.911	50.000	AVERAGE
11		12.525	10.160	25.170	35.330	-24.670	60.000	QUASPEAK
12		12.525	10.160	19.380	29.540	-20.460	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

<b>Site : SR3</b>	<b>Time : 2016/07/04 - 15:41</b>
<b>Limit : CISPR_B_00M_QP</b>	<b>Margin : 10</b>
<b>Probe : SR3_LISN(16A)-5_0728 - Line2</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF 802.11n(40M)_2437MHz</b>

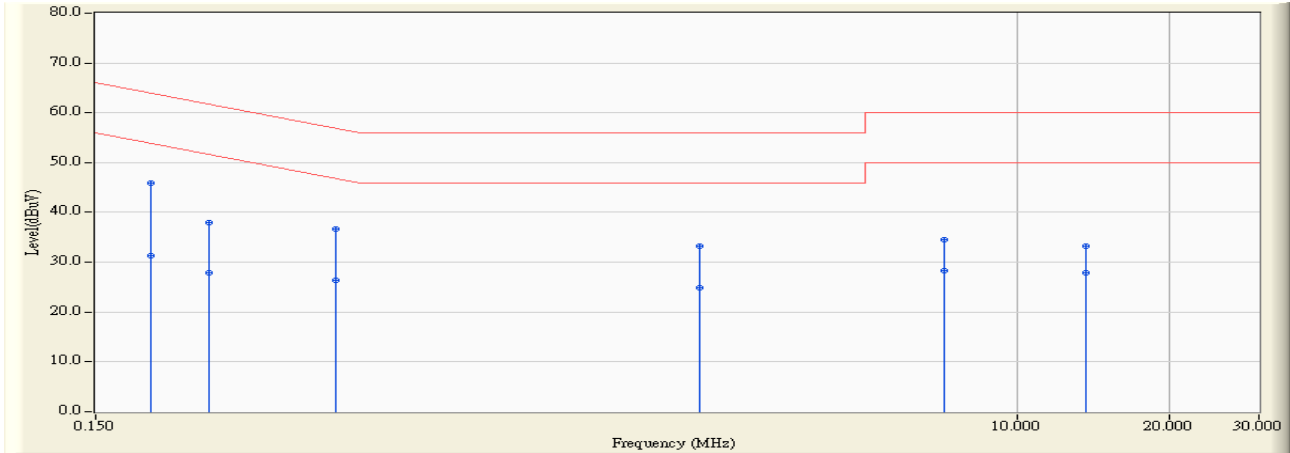


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV)</b>	<b>Detector Type</b>
1		0.173	9.746	37.210	46.956	-17.838	64.794	QUASPEAK
2		0.173	9.746	25.320	35.066	-19.728	54.794	AVERAGE
3		0.209	9.748	29.650	39.398	-23.863	63.261	QUASPEAK
4		0.209	9.748	12.960	22.708	-30.553	53.261	AVERAGE
5		0.443	9.773	29.410	39.182	-17.824	57.006	QUASPEAK
6	*	0.443	9.773	22.090	31.862	-15.144	47.006	AVERAGE
7		1.255	9.798	21.170	30.968	-25.032	56.000	QUASPEAK
8		1.255	9.798	12.430	22.228	-23.772	46.000	AVERAGE
9		8.002	10.063	26.880	36.943	-23.057	60.000	QUASPEAK
10		8.002	10.063	20.400	30.463	-19.537	50.000	AVERAGE
11		11.916	10.200	27.750	37.950	-22.050	60.000	QUASPEAK
12		11.916	10.200	21.920	32.120	-17.880	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

<b>Site : SR3</b>	<b>Time : 2016/07/04 - 16:31</b>
<b>Limit : CISPR_B_00M_QP</b>	<b>Margin : 10</b>
<b>Probe : SR3_LISN(16A)-5_0728 - Line1</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 2: Transmit_2.4 PA: Richwave; ADP: ADP-33AW B 802.11n(40M)_2437MHz</b>

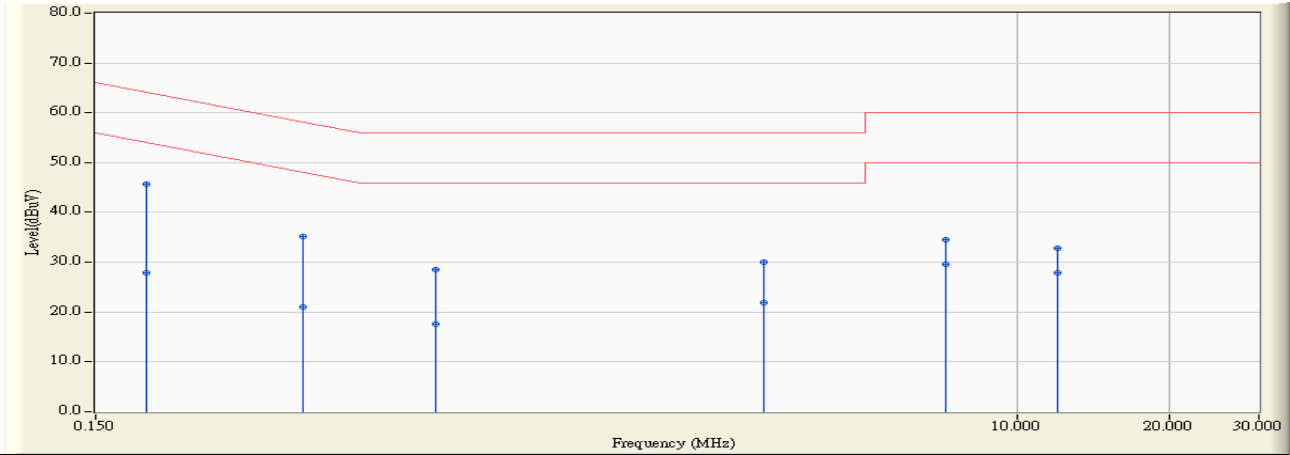


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV)</b>	<b>Detector Type</b>
1	*	0.193	9.748	36.140	45.888	-18.020	63.908	QUASPEAK
2		0.193	9.748	21.540	31.288	-22.620	53.908	AVERAGE
3		0.252	9.754	28.310	38.064	-23.641	61.705	QUASPEAK
4		0.252	9.754	18.210	27.964	-23.741	51.705	AVERAGE
5		0.447	9.782	26.830	36.612	-20.321	56.933	QUASPEAK
6		0.447	9.782	16.640	26.422	-20.511	46.933	AVERAGE
7		2.353	9.833	23.340	33.173	-22.827	56.000	QUASPEAK
8		2.353	9.833	14.980	24.813	-21.187	46.000	AVERAGE
9		7.170	10.011	24.470	34.481	-25.519	60.000	QUASPEAK
10		7.170	10.011	18.340	28.351	-21.649	50.000	AVERAGE
11		13.646	10.178	23.020	33.198	-26.802	60.000	QUASPEAK
12		13.646	10.178	17.810	27.988	-22.012	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

<b>Site : SR3</b>	<b>Time : 2016/07/04 - 16:34</b>
<b>Limit : CISPR_B_00M_QP</b>	<b>Margin : 10</b>
<b>Probe : SR3_LISN(16A)-5_0728 - Line2</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 2: Transmit_2.4 PA: Richwave; ADP: ADP-33AW B 802.11n(40M)_2437MHz</b>



		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV)</b>	<b>Detector Type</b>
1	*	0.189	9.746	35.900	45.647	-18.431	64.078	QUASPEAK
2		0.189	9.746	18.200	27.947	-26.131	54.078	AVERAGE
3		0.384	9.764	25.330	35.094	-23.090	58.184	QUASPEAK
4		0.384	9.764	11.300	21.064	-27.120	48.184	AVERAGE
5		0.705	9.785	18.780	28.565	-27.435	56.000	QUASPEAK
6		0.705	9.785	7.900	17.685	-28.315	46.000	AVERAGE
7		3.146	9.862	20.070	29.932	-26.068	56.000	QUASPEAK
8		3.146	9.862	12.070	21.932	-24.068	46.000	AVERAGE
9		7.197	10.029	24.530	34.559	-25.441	60.000	QUASPEAK
10		7.197	10.029	19.600	29.629	-20.371	50.000	AVERAGE
11		11.951	10.200	22.600	32.801	-27.199	60.000	QUASPEAK
12		11.951	10.200	17.610	27.811	-22.189	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

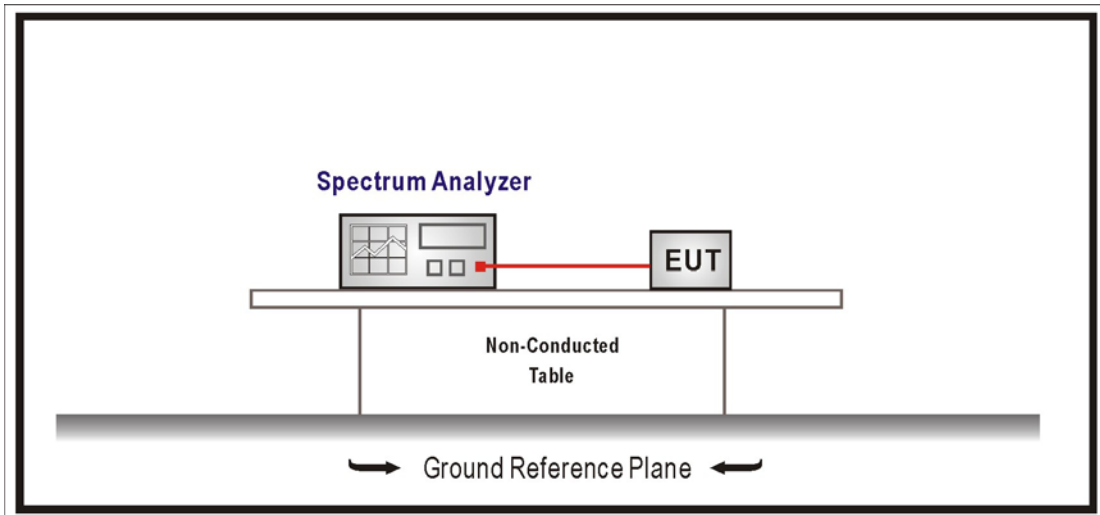
The following test equipments are used during the test:

Peak Power Output / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A	US47140172	2016/08/23
Signal & Spectrum Analyzer	R&S	FSV40	101049	2017/01/05
Signal Analyzer	R&S	FSV7	101650	2016/11/30

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  $\pm 1.27$  dB.



### 3.7. Test Result

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/15	Test Site	SR7

#### IEEE 802.11b (ANT 0)

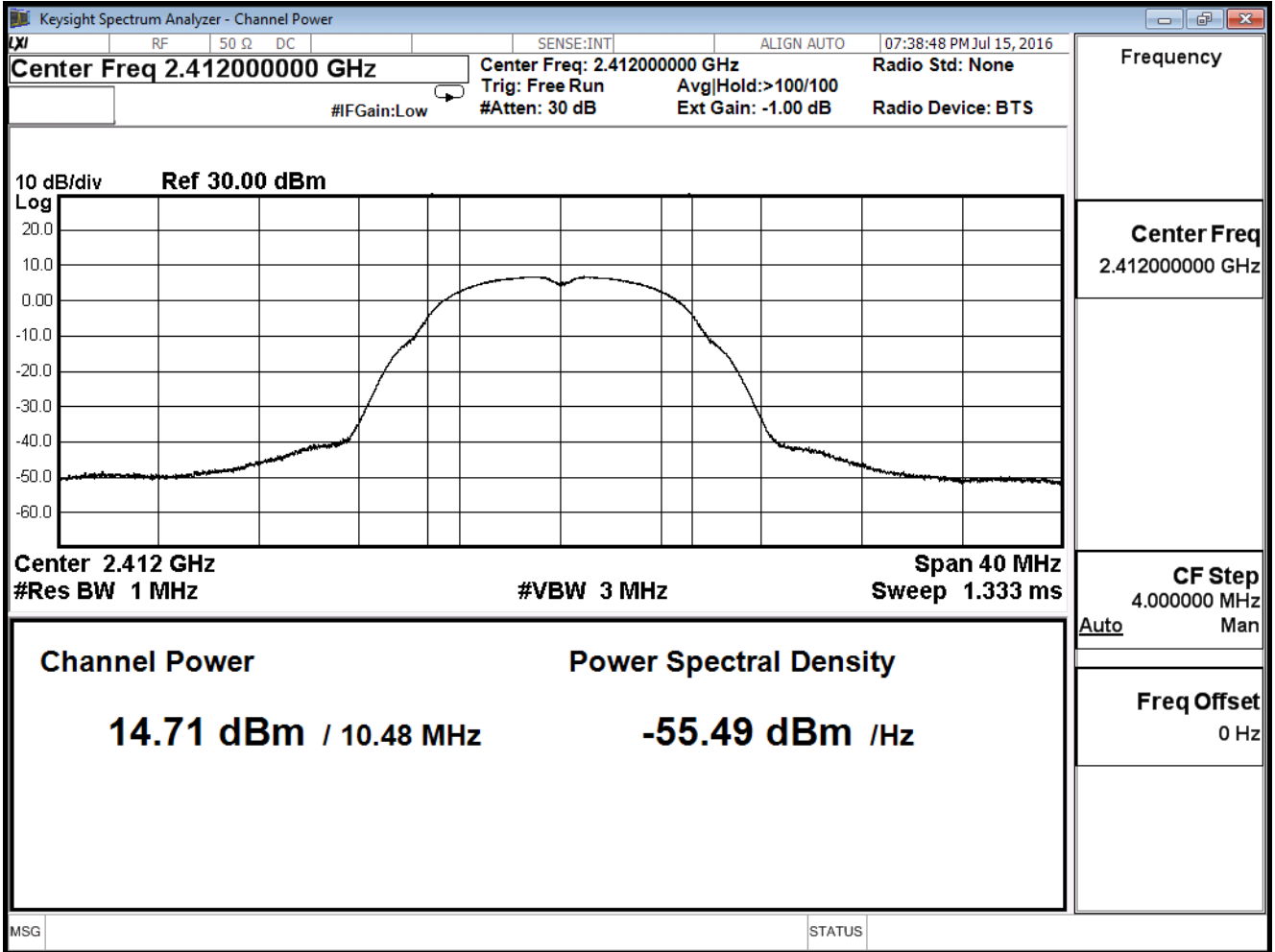
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	14.71	≤ 30
6	2437	16.41	≤ 30
11	2462	14.13	≤ 30

The worst emission of data rate is 1 Mbps

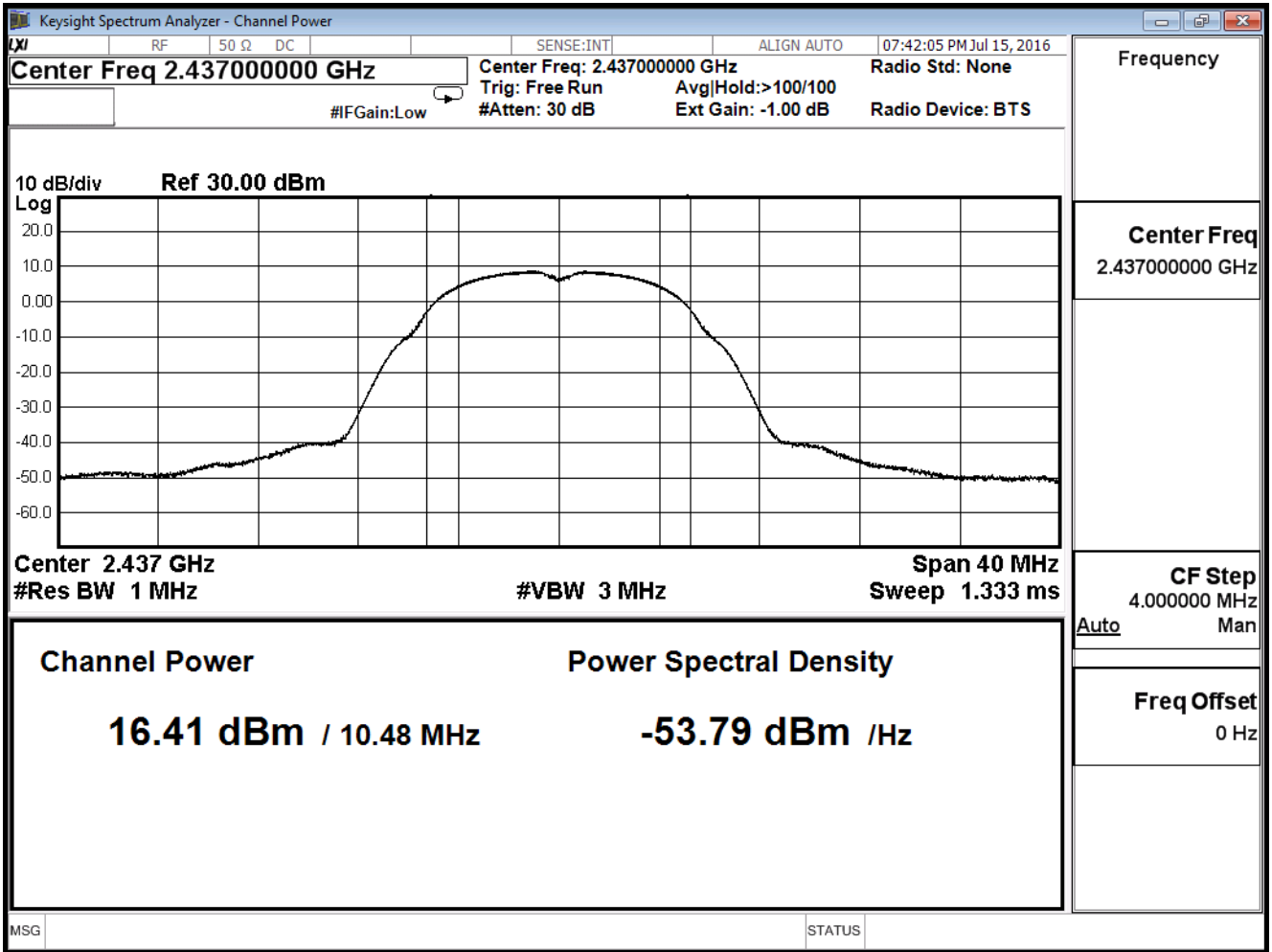
Peak Power Output (dBm)						
Channel No	Frequency (MHz)	Data Rate (Mbps)				Required Limit
		1	2	5.5	11	
1	2412	14.71	--	--	--	≤ 30
6	2437	16.41	16.35	16.32	16.28	≤ 30
11	2462	14.13	--	--	--	≤ 30

Note: Measure Level = Reading value + cable loss

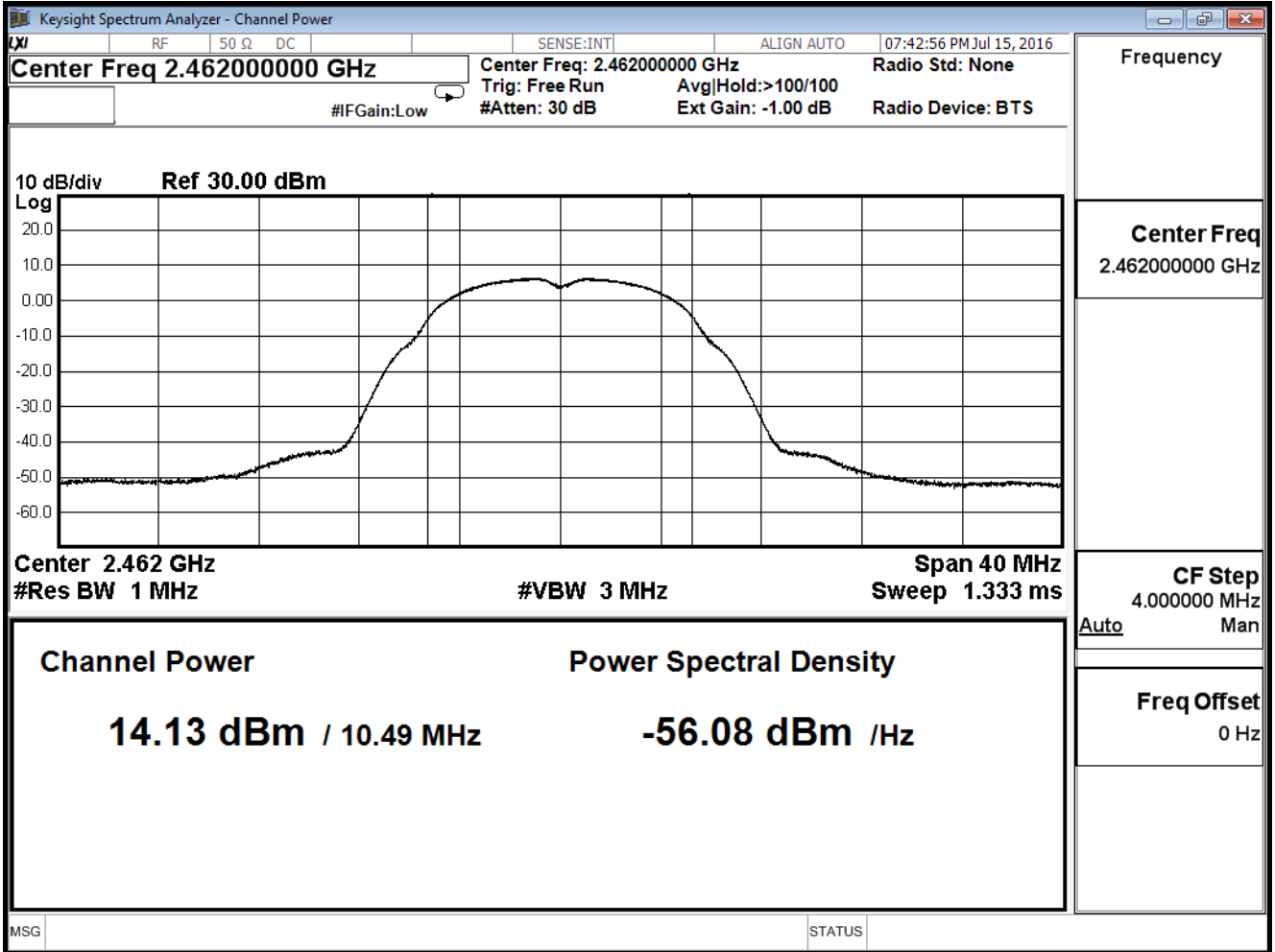
**Channel 1**



**Channel 6**



**Channel 11**



Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/15	Test Site	SR7

IEEE 802.11b (ANT 1)

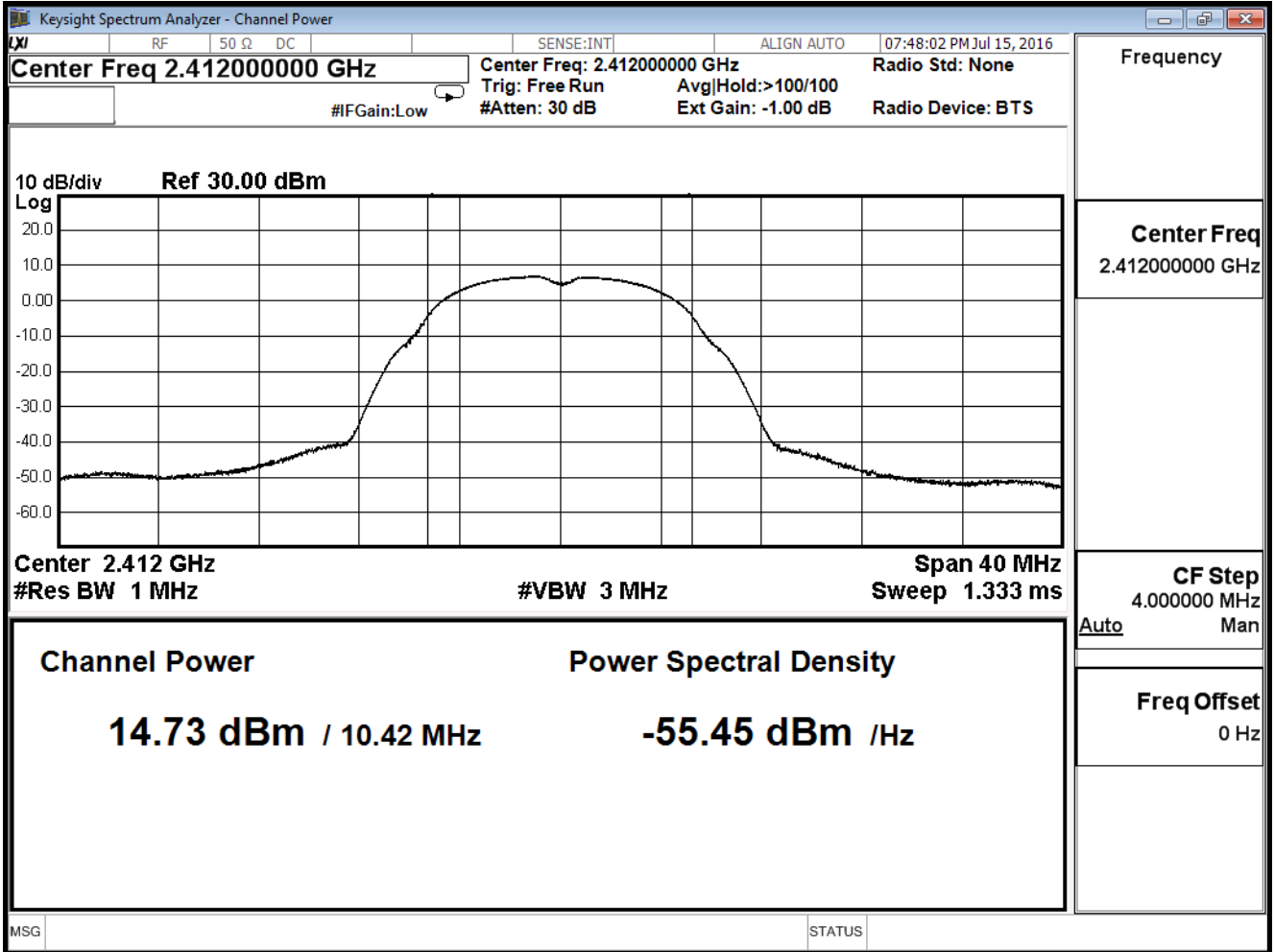
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	14.73	≤ 30
6	2437	16.71	≤ 30
11	2462	14.39	≤ 30

The worst emission of data rate is 1 Mbps

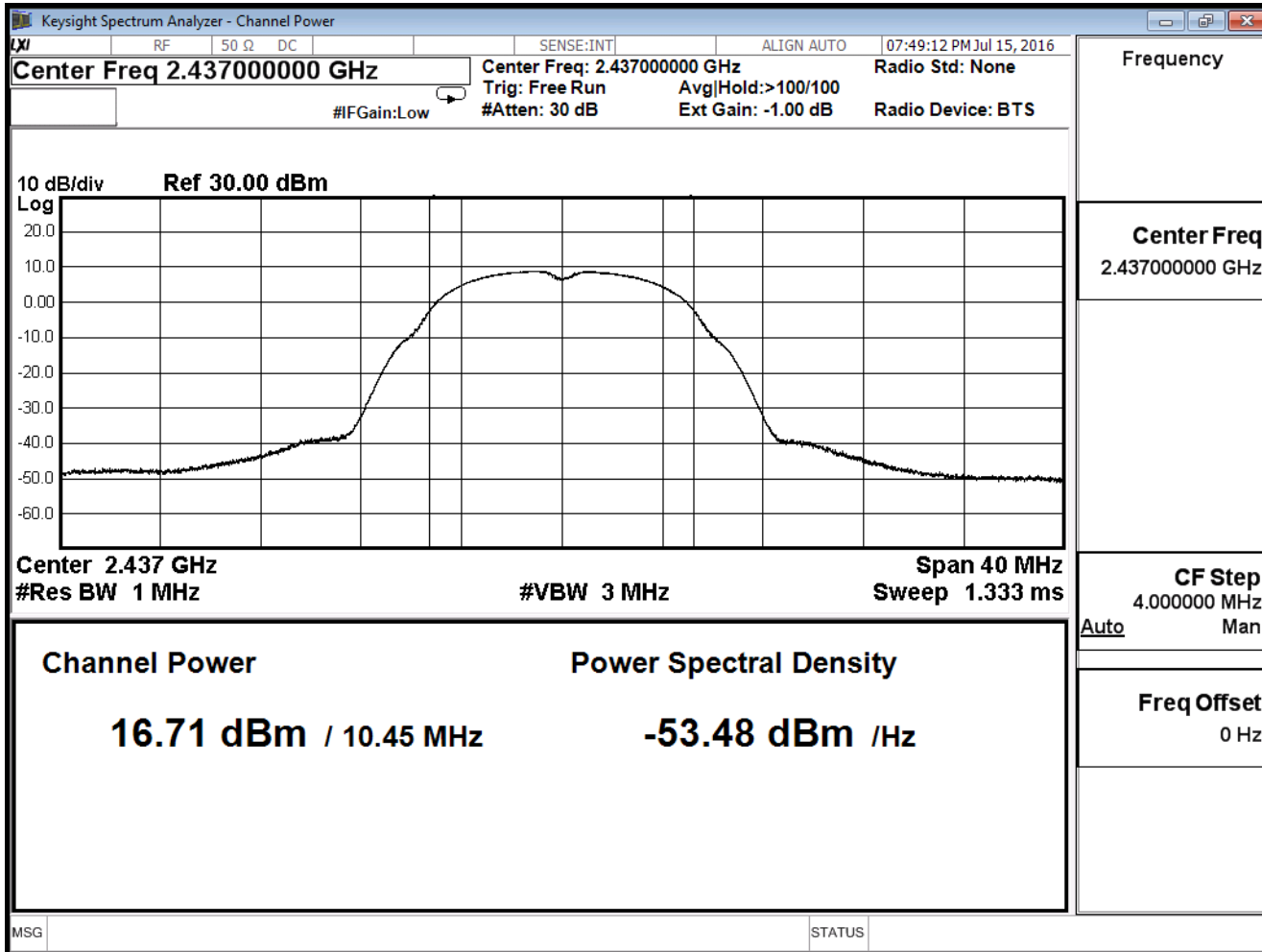
Peak Power Output (dBm)						
Channel No	Frequency (MHz)	Data Rate (Mbps)				Required Limit
		1	2	5.5	11	
1	2412	14.73	--	--	--	≤ 30
6	2437	16.71	16.68	16.62	16.58	≤ 30
11	2462	14.39	--	--	--	≤ 30

Note: Measure Level =Reading value + cable loss

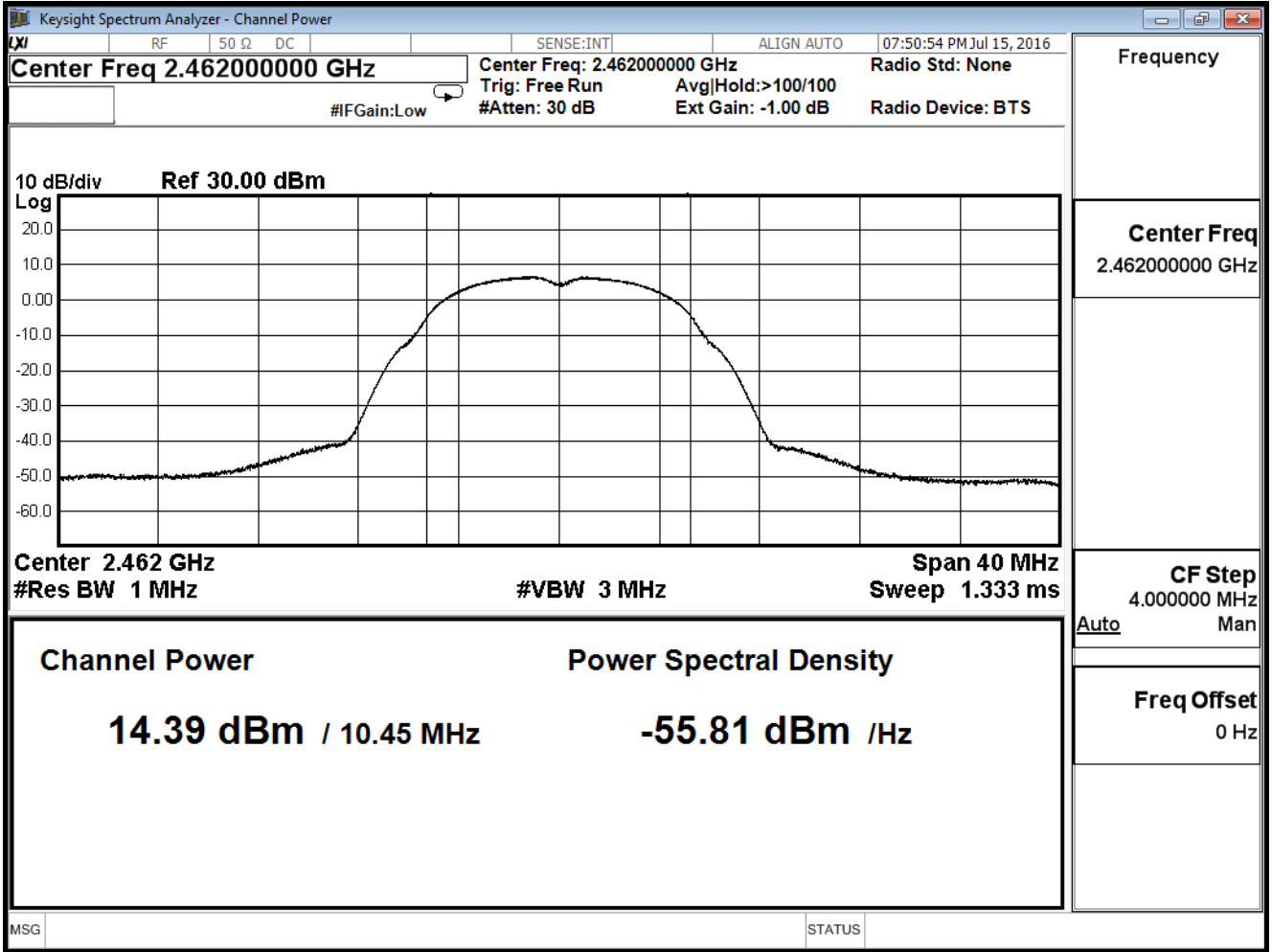
**Channel 1**



**Channel 6**



**Channel 11**





Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/15	Test Site	SR7

IEEE 802.11b (ANT 2)

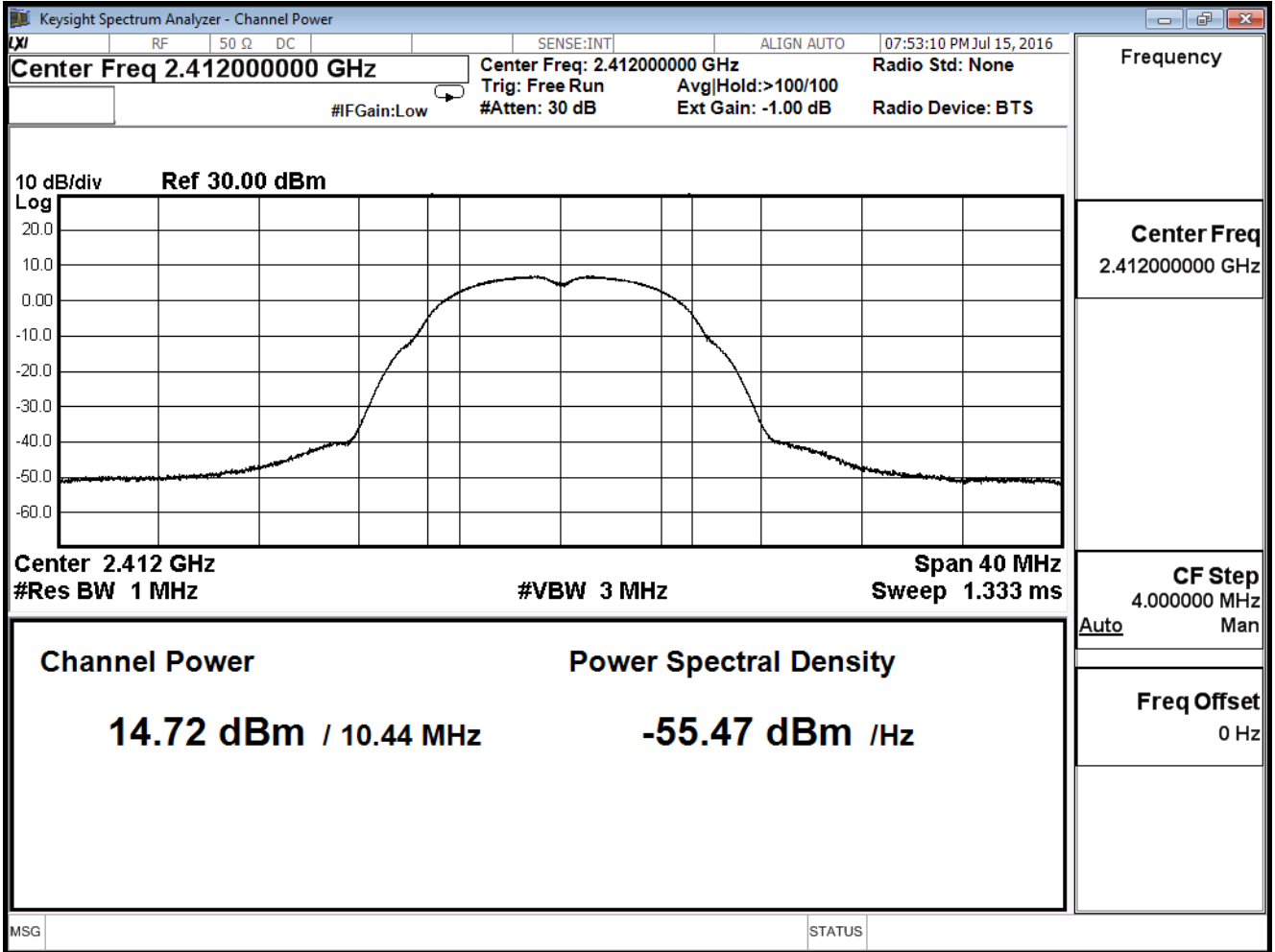
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	14.72	≤ 30
6	2437	16.99	≤ 30
11	2462	14.53	≤ 30

The worst emission of data rate is 1 Mbps

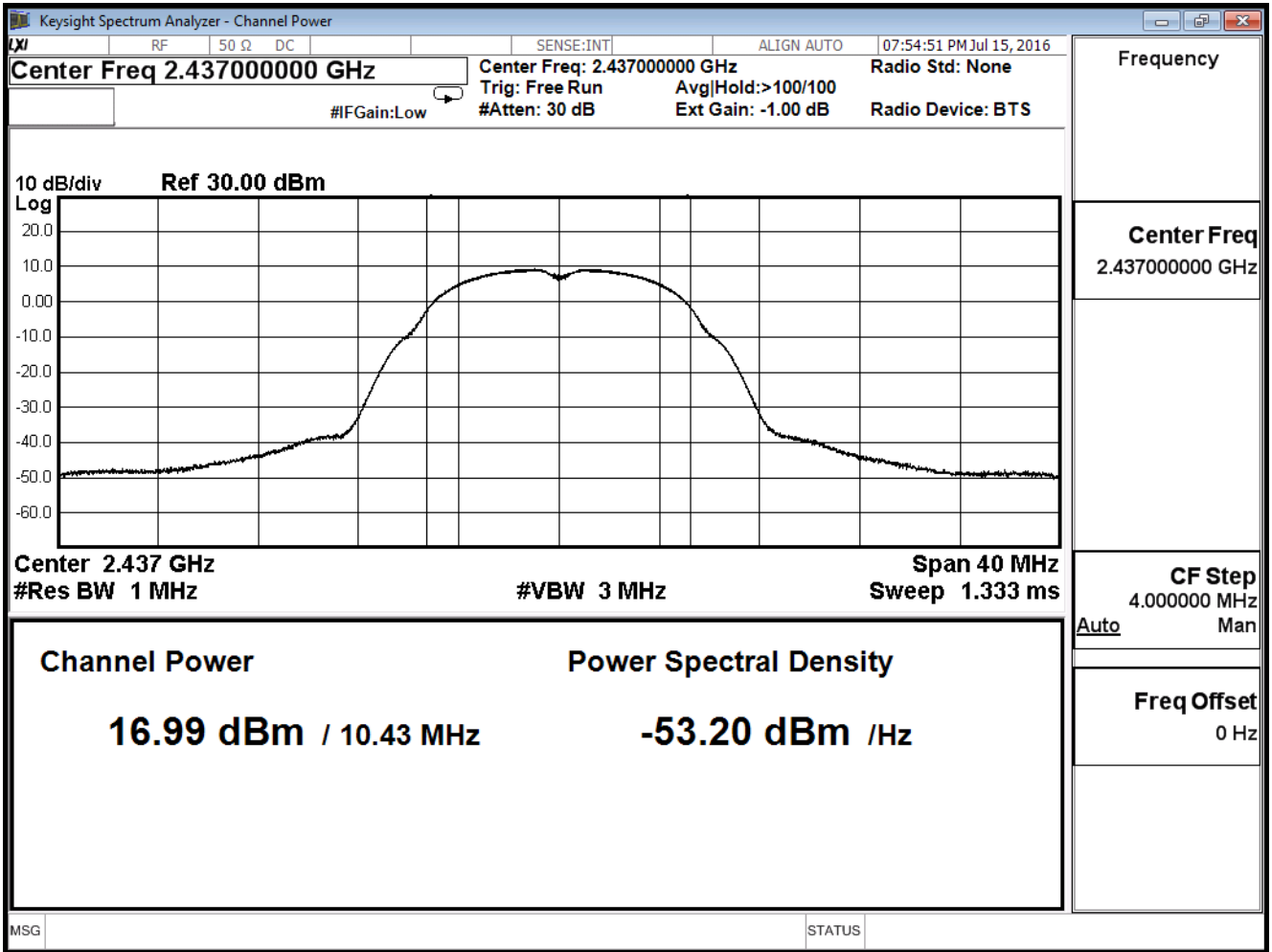
Peak Power Output (dBm)						
Channel No	Frequency (MHz)	Data Rate (Mbps)				Required Limit
		1	2	5.5	11	
1	2412	14.72	--	--	--	≤ 30
6	2437	16.99	16.96	16.92	16.88	≤ 30
11	2462	14.53	--	--	--	≤ 30

Note: Measure Level = Reading value + cable loss

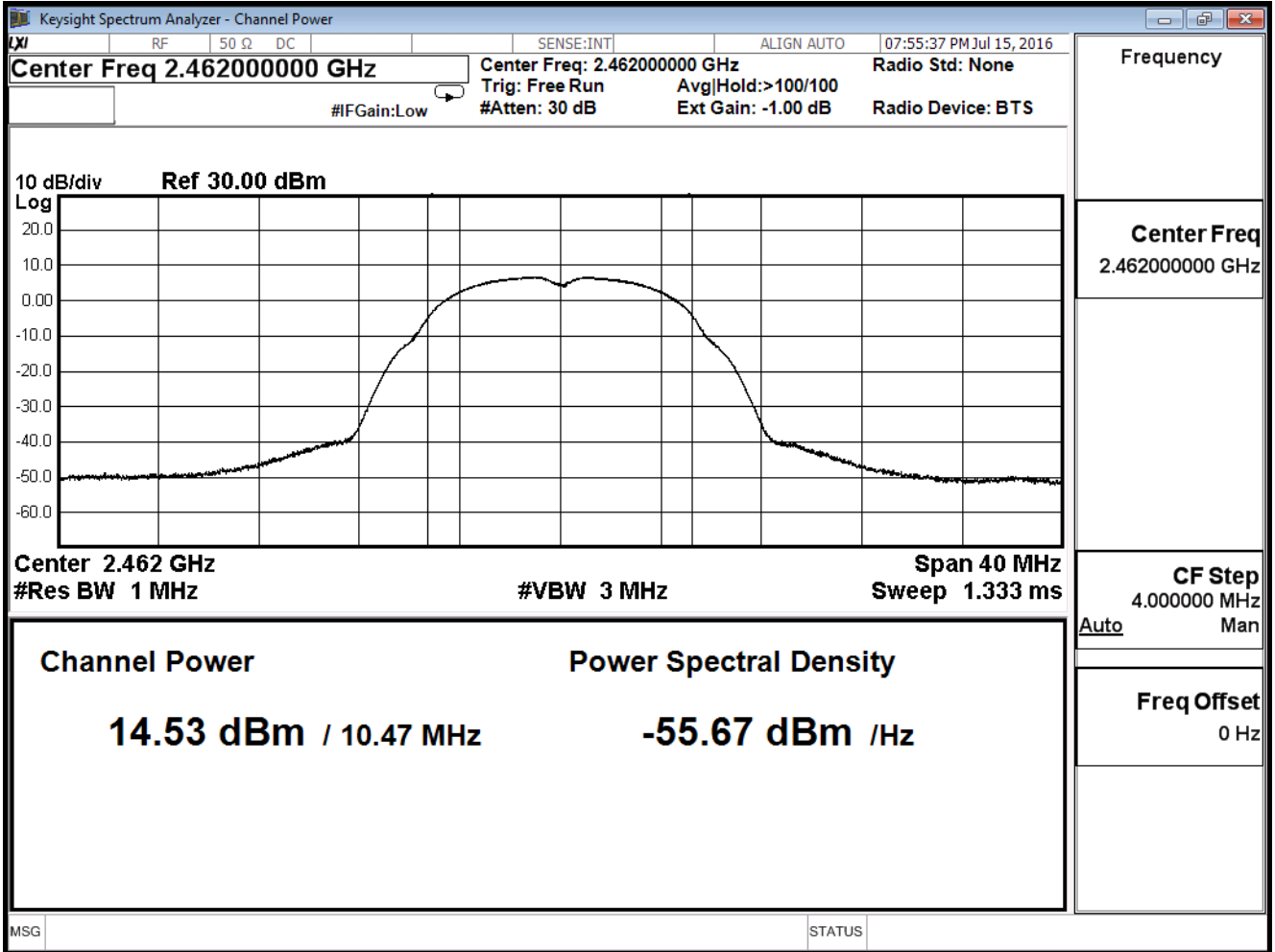
**Channel 1**



**Channel 6**



**Channel 11**



Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/15	Test Site	SR7

IEEE 802.11b (ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	19.49	≤ 30
6	2437	21.48	≤ 30
11	2462	19.12	≤ 30

The worst emission of data rate is 1 Mbps

Peak Power Output (dBm)						
Channel No	Frequency (MHz)	Data Rate (Mbps)				Required Limit
		1	2	5.5	11	
1	2412	19.49	--	--	--	≤ 30
6	2437	21.48	21.44	21.40	21.36	≤ 30
11	2462	19.12	--	--	--	≤ 30

Note: Measure Level =Reading value + cable loss

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/15	Test Site	SR7

IEEE 802.11g (ANT 0)

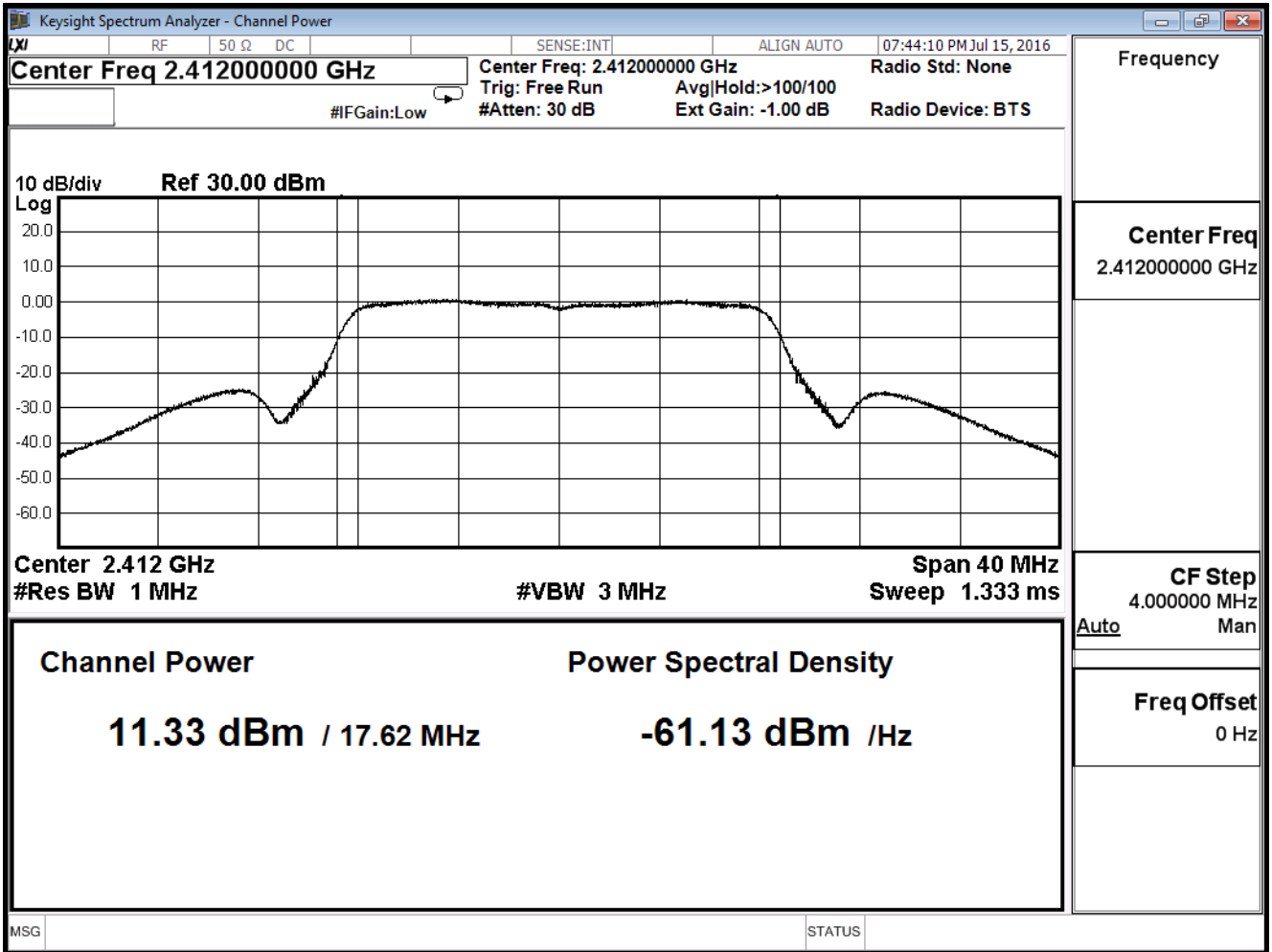
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	11.33	≤ 30
6	2437	19.10	≤ 30
11	2462	11.02	≤ 30

The worst emission of data rate is 6 Mbps

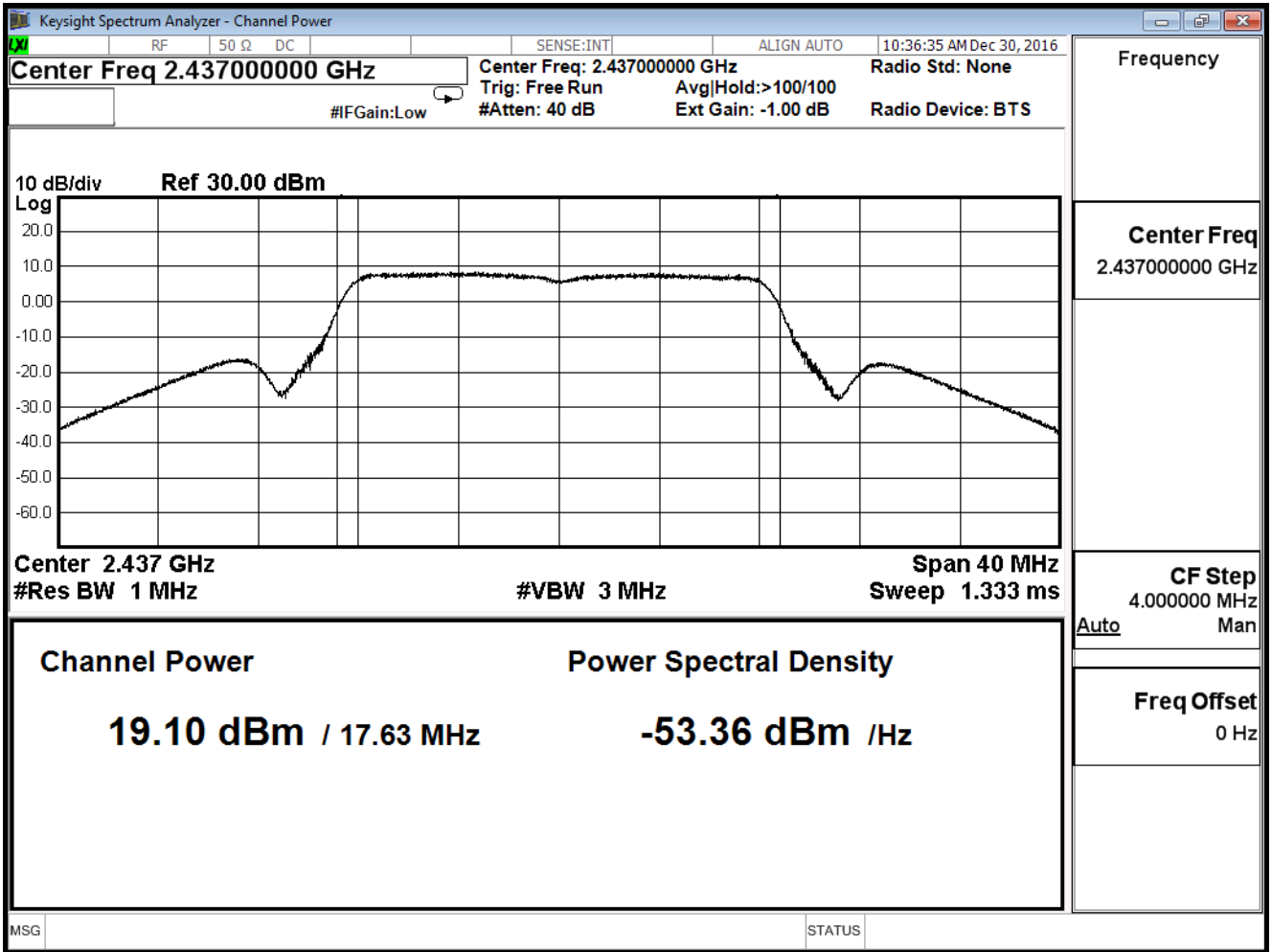
Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate (Mbps)							Required Limit
		6	12	18	24	36	48	54	
1	2412	11.33	--	--	--	--	--	--	≤ 30
6	2437	19.10	18.98	18.88	18.66	18.40	18.16	17.92	≤ 30
11	2462	11.02	--	--	--	--	--	--	≤ 30

Note: Measure Level =Reading value + cable loss

**Channel 1**

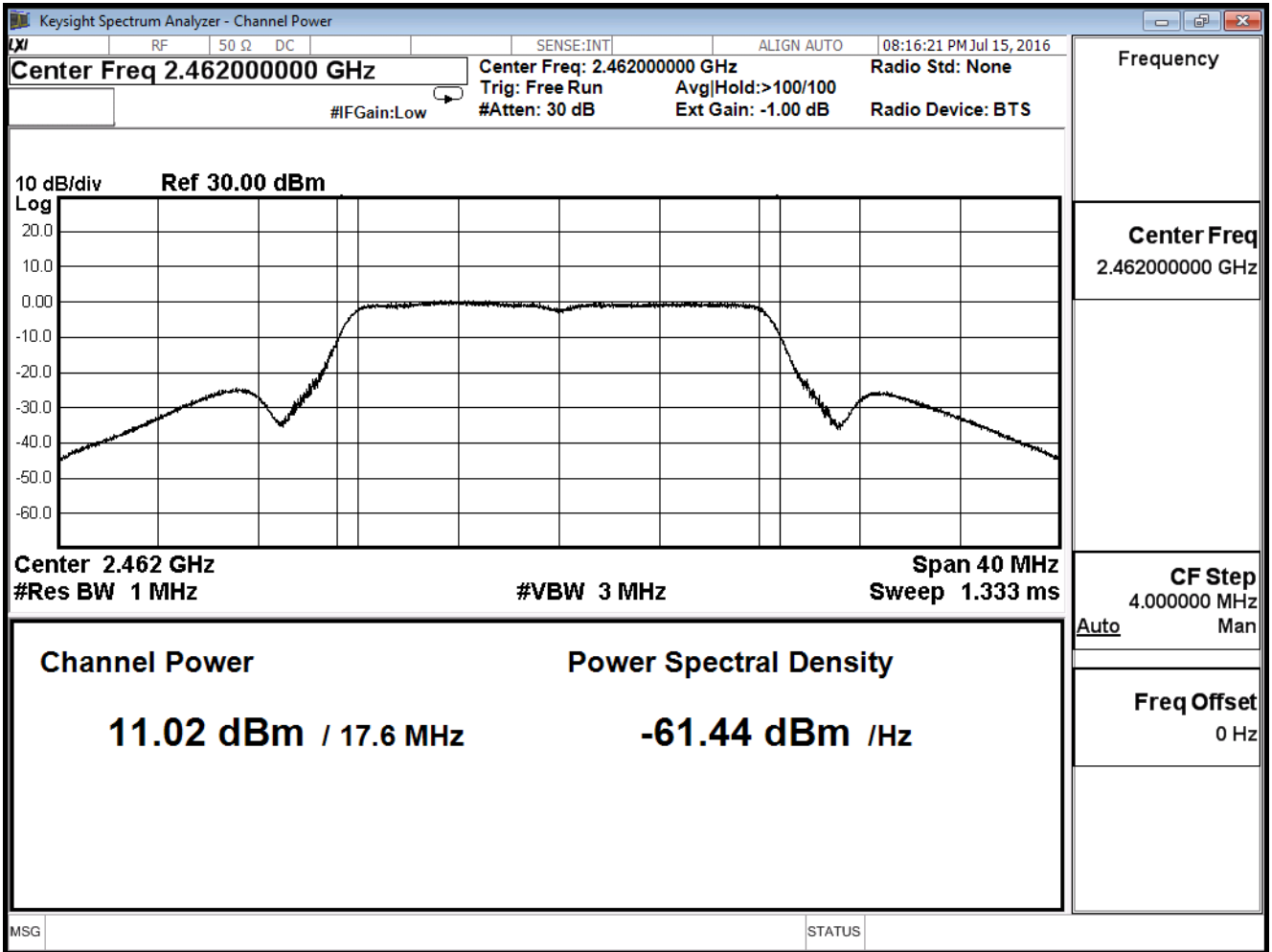


**Channel 6**





**Channel 11**



Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/15	Test Site	SR7

IEEE 802.11g (ANT 1)

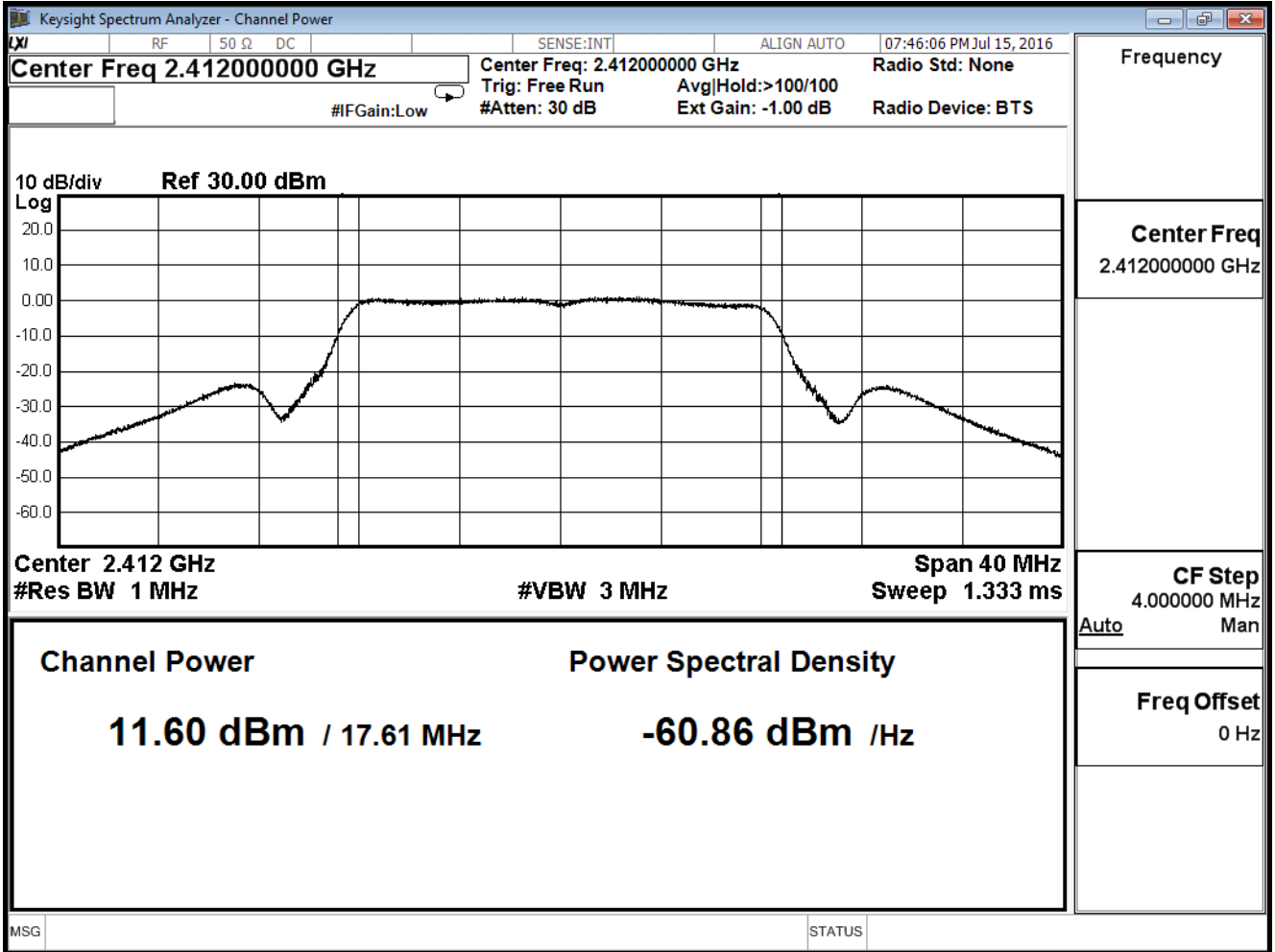
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	11.60	≤ 30
6	2437	19.99	≤ 30
11	2462	11.19	≤ 30

The worst emission of data rate is 6 Mbps

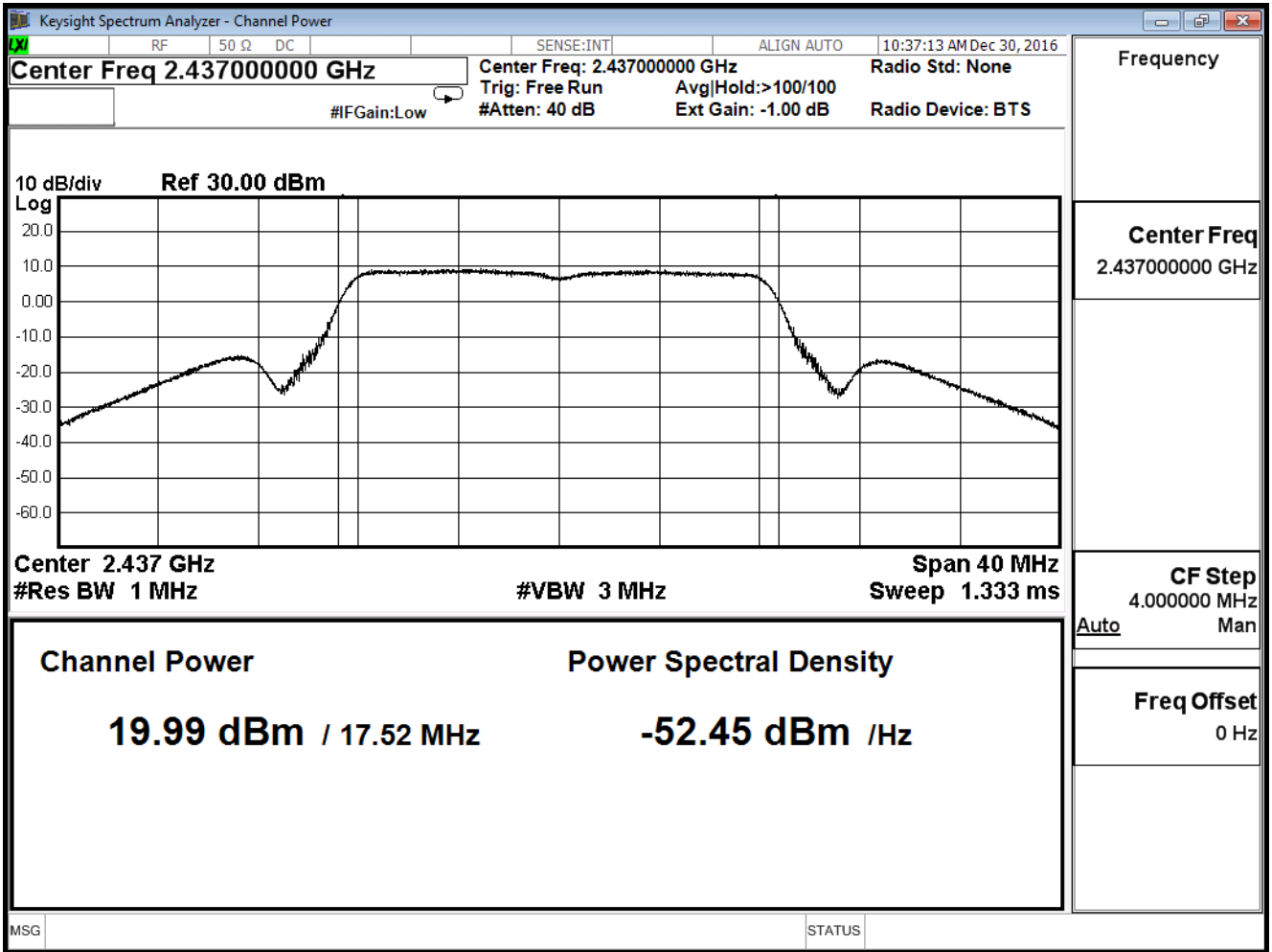
Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate (Mbps)							Required Limit
		6	12	18	24	36	48	54	
1	2412	11.60	--	--	--	--	--	--	≤ 30
6	2437	19.99	19.79	19.55	19.35	19.23	18.99	18.87	≤ 30
11	2462	11.19	--	--	--	--	--	--	≤ 30

Note: Measure Level =Reading value + cable loss

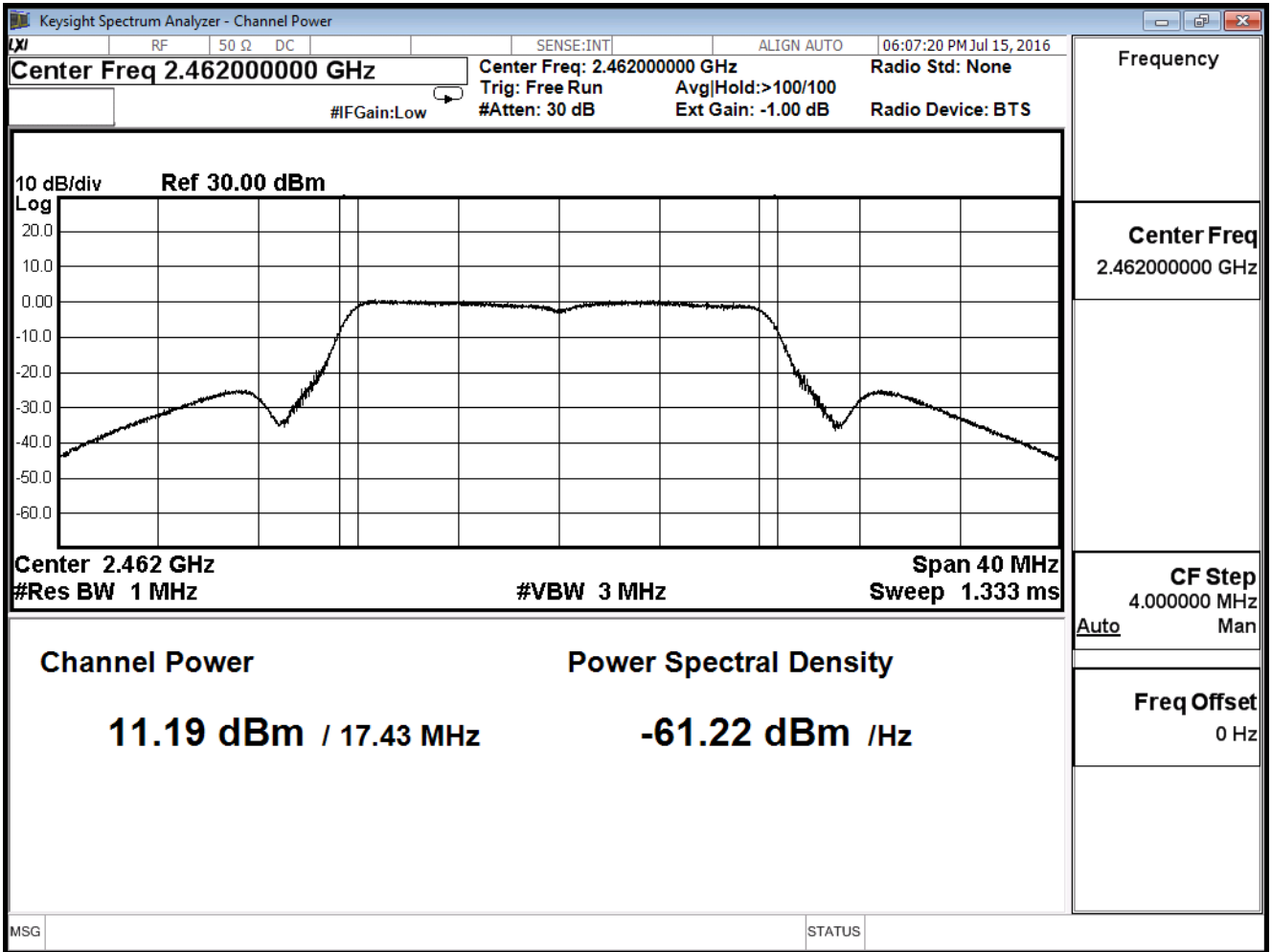
**Channel 1**



**Channel 6**



**Channel 11**



Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/15	Test Site	SR7

IEEE 802.11g (ANT 2)

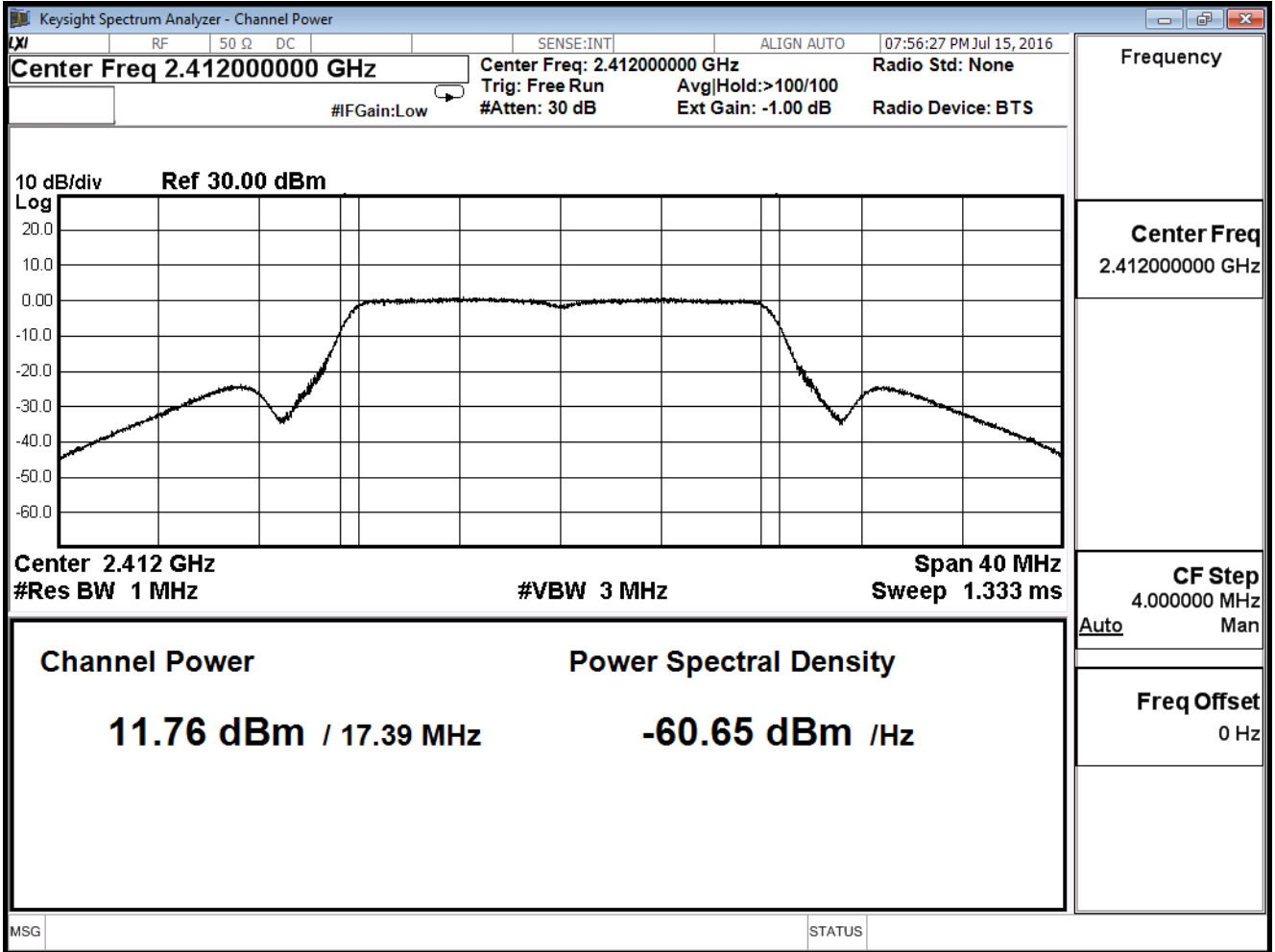
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	11.76	≤ 30
6	2437	19.90	≤ 30
11	2462	11.36	≤ 30

The worst emission of data rate is 6 Mbps

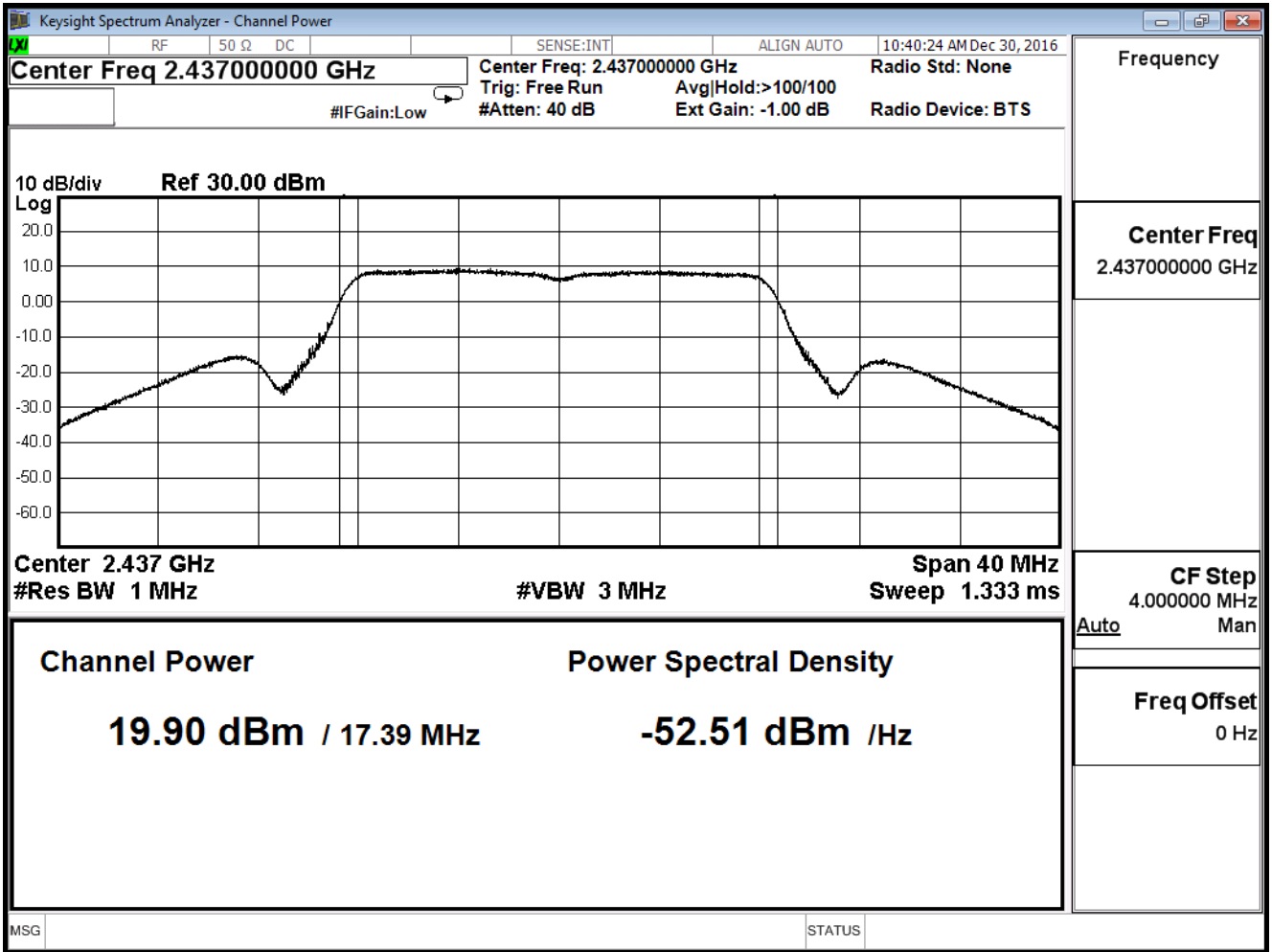
Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate (Mbps)							Required Limit
		6	12	18	24	36	48	54	
1	2412	11.76	--	--	--	--	--	--	≤ 30
6	2437	19.90	19.70	19.57	19.47	19.21	18.97	18.85	≤ 30
11	2462	11.36	--	--	--	--	--	--	≤ 30

Note: Measure Level =Reading value + cable loss

**Channel 1**

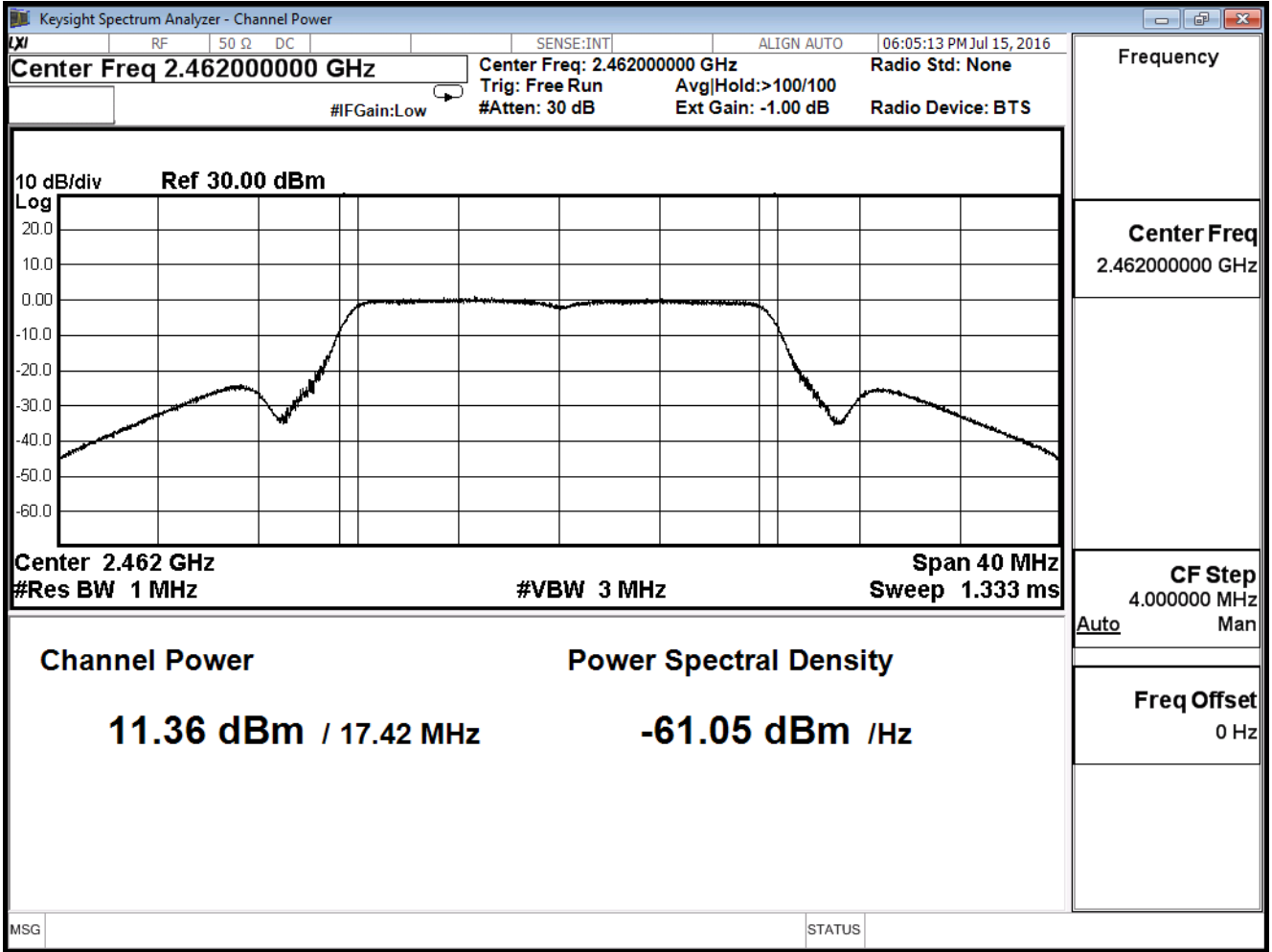


**Channel 6**





**Channel 11**



Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/15	Test Site	SR7

IEEE 802.11g (ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	16.34	≤ 30
6	2437	22.58	≤ 30
11	2462	15.96	≤ 30

The worst emission of data rate is 6 Mbps

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate (Mbps)							Required Limit
		6	12	18	24	36	48	54	
1	2412	16.34	--	--	--	--	--	--	≤ 30
6	2437	22.58	22.41	22.24	22.03	21.85	21.61	21.43	≤ 30
11	2462	15.96	--	--	--	--	--	--	≤ 30

Note: Measure Level =Reading value + cable loss

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/15	Test Site	SR7

IEEE 802.11n 20MHz (ANT 0)

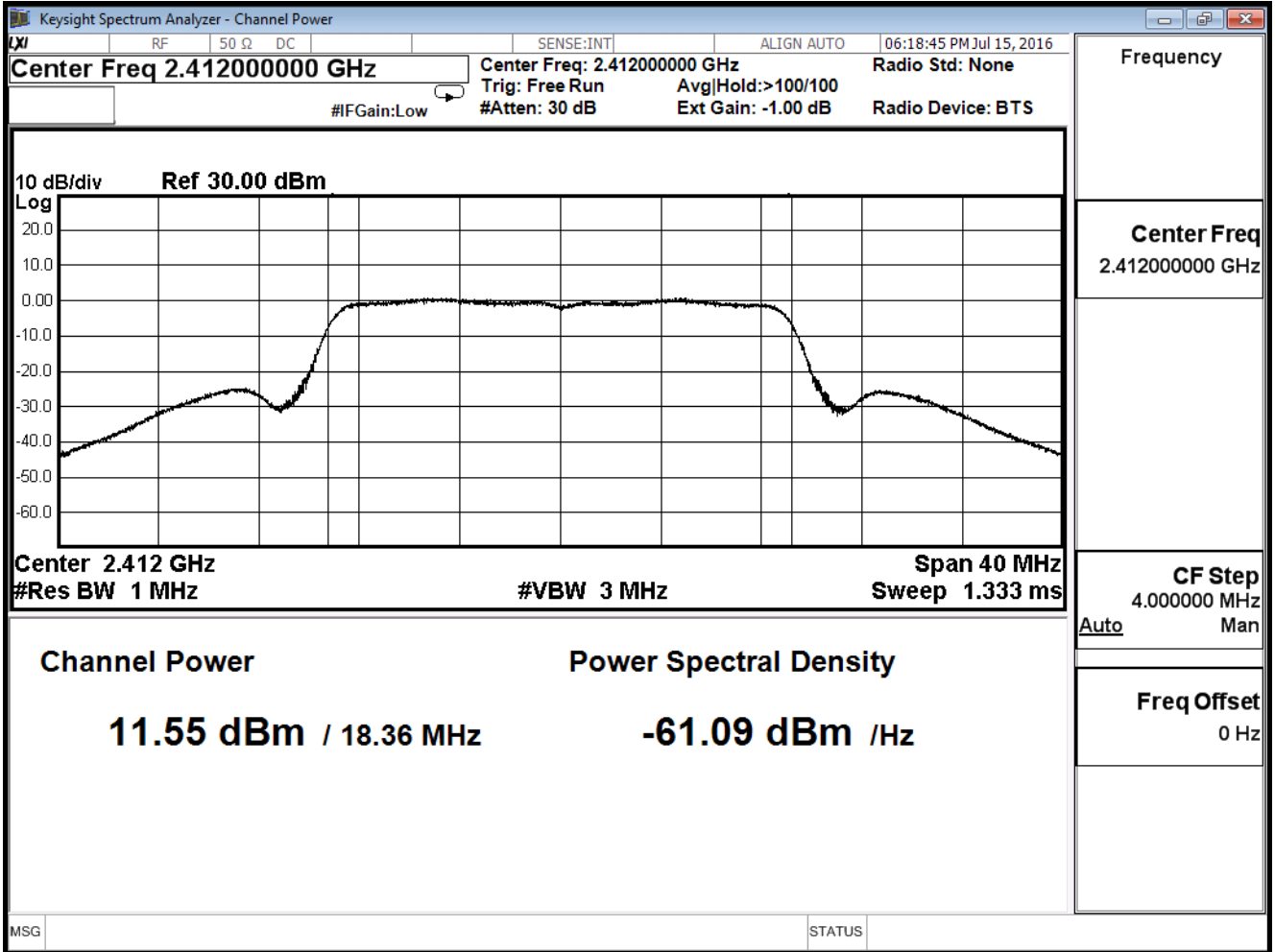
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	11.55	≤ 30
6	2437	16.80	≤ 30
11	2462	10.56	≤ 30

The worst emission of data rate is 19.5 Mbps

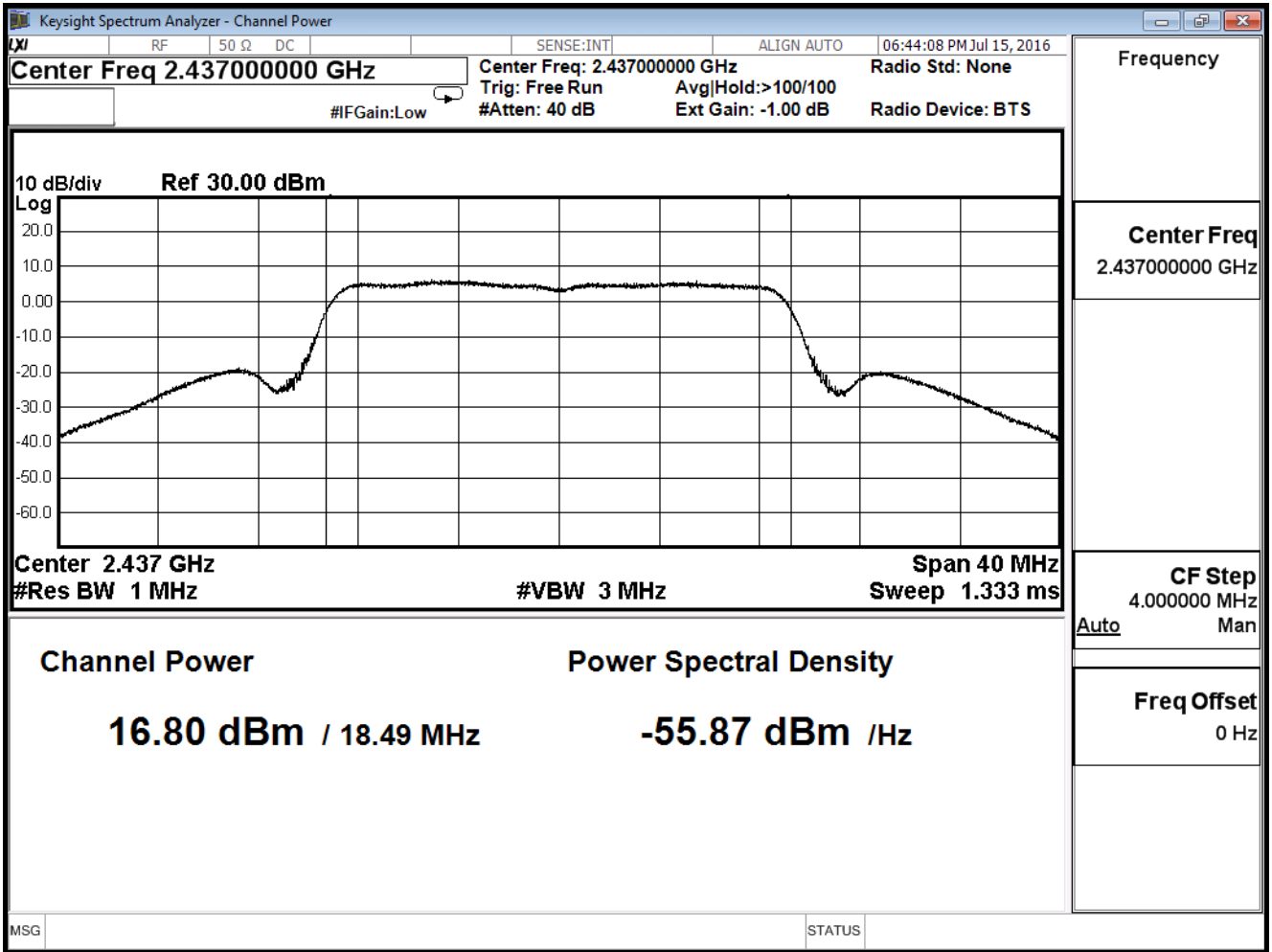
Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
1	2412	11.55	--	--	--	--	--	--	--	≤ 30
6	2437	16.80	16.72	16.65	16.57	16.52	16.47	16.42	16.38	≤ 30
11	2462	10.56	--	--	--	--	--	--	--	≤ 30

Note: Measure Level =Reading value + cable loss

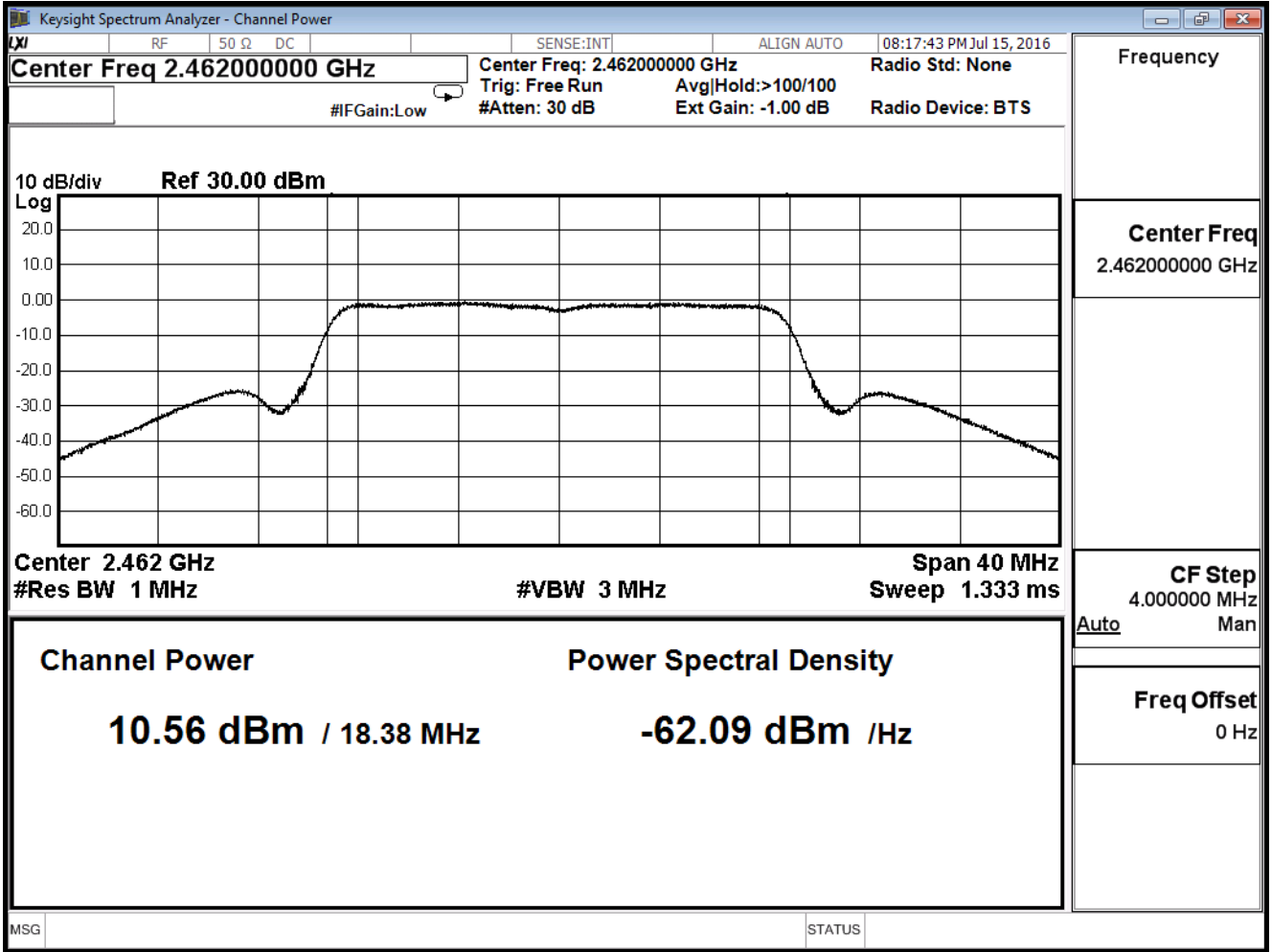
**Channel 1**



**Channel 6**



**Channel 11**



Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/15	Test Site	SR7

IEEE 802.11n 20MHz (ANT 1)

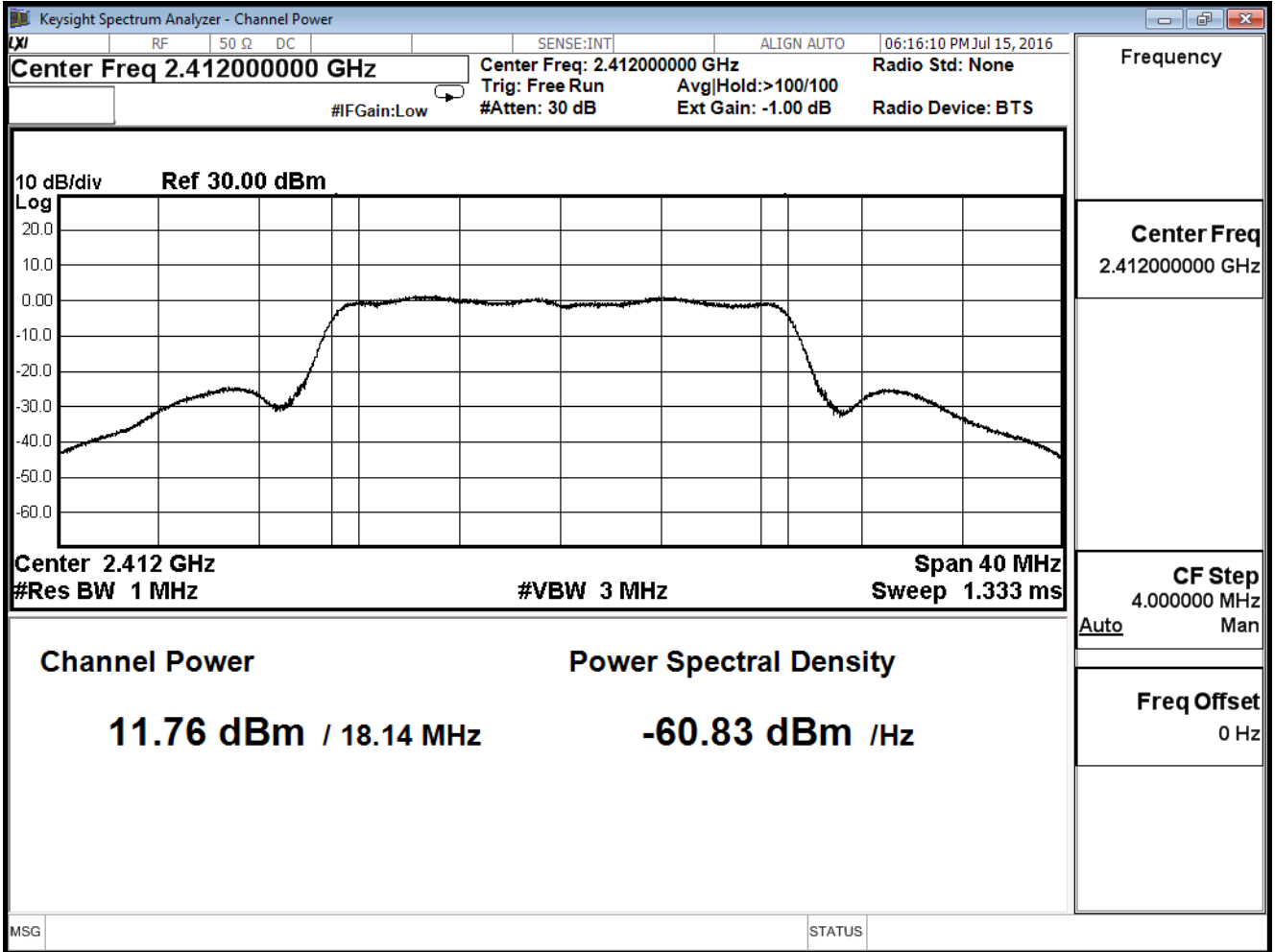
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	11.76	≤ 30
6	2437	17.02	≤ 30
11	2462	10.77	≤ 30

The worst emission of data rate is 19.5 Mbps

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
1	2412	11.76	--	--	--	--	--	--	--	≤ 30
6	2437	17.02	16.95	16.90	16.84	16.80	16.74	16.67	16.55	≤ 30
11	2462	10.77	--	--	--	--	--	--	--	≤ 30

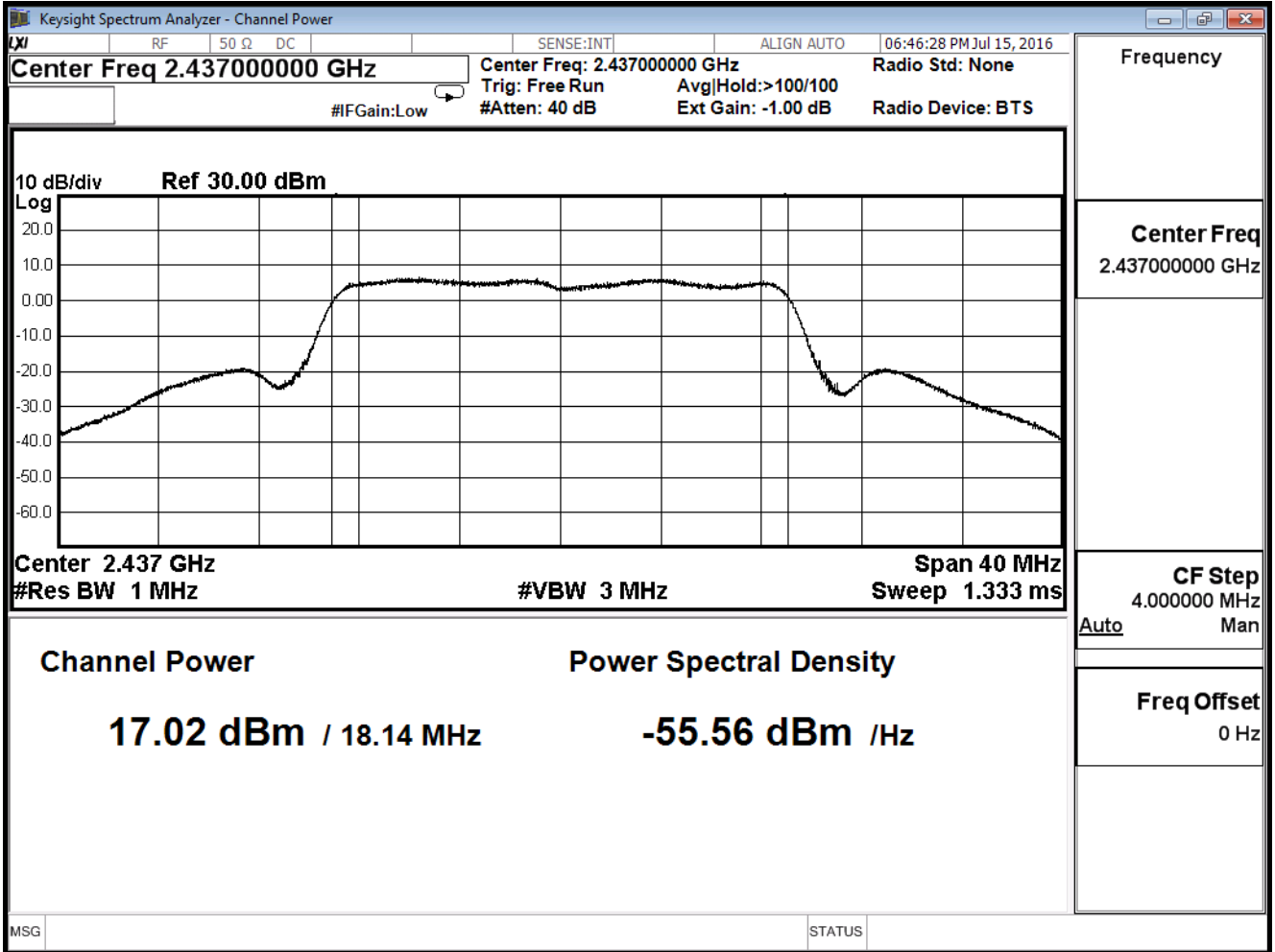
Note: Measure Level = Reading value + cable loss

**Channel 1**

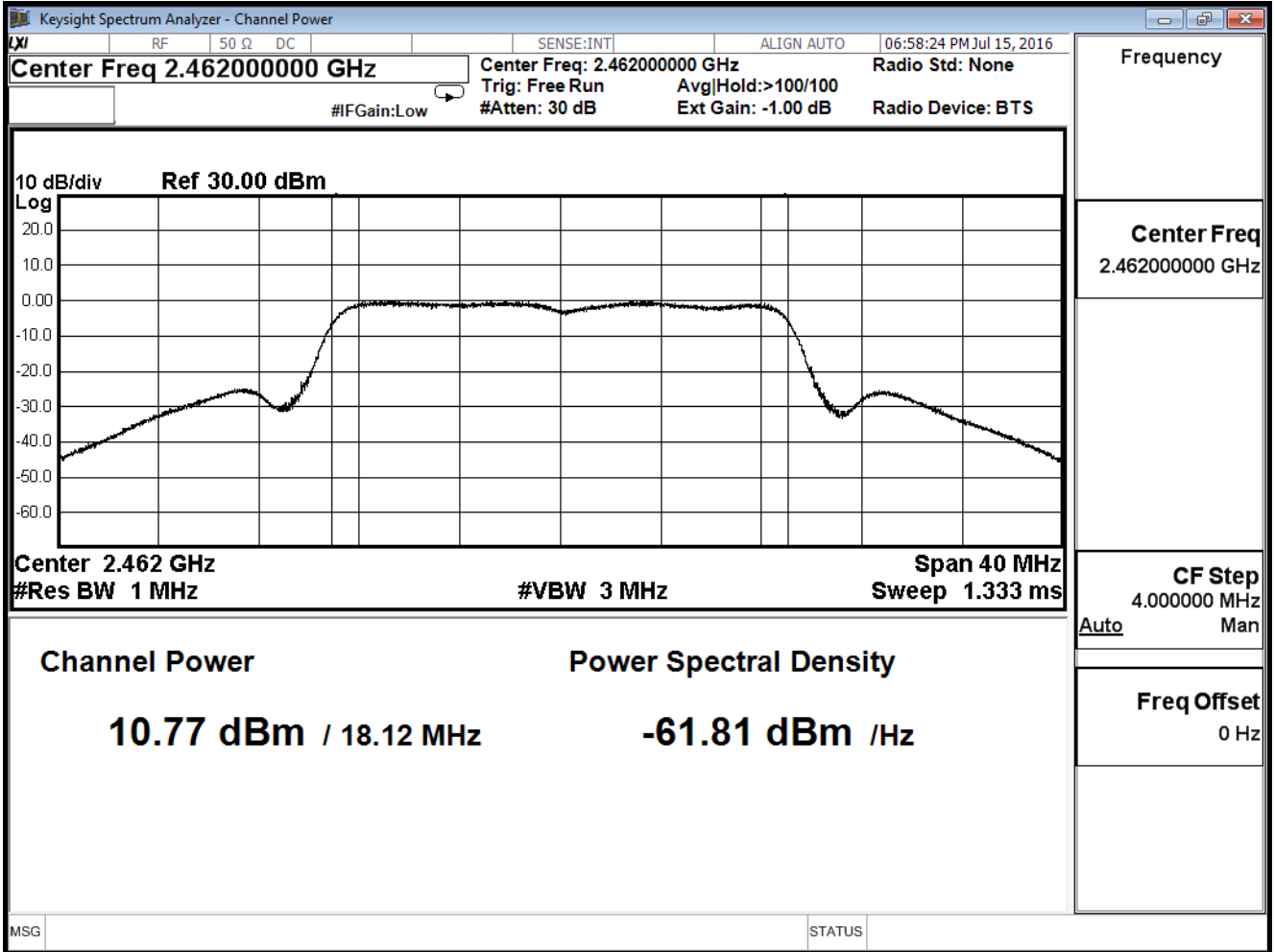




**Channel 6**



**Channel 11**



Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/15	Test Site	SR7

IEEE 802.11n 20MHz (ANT 2)

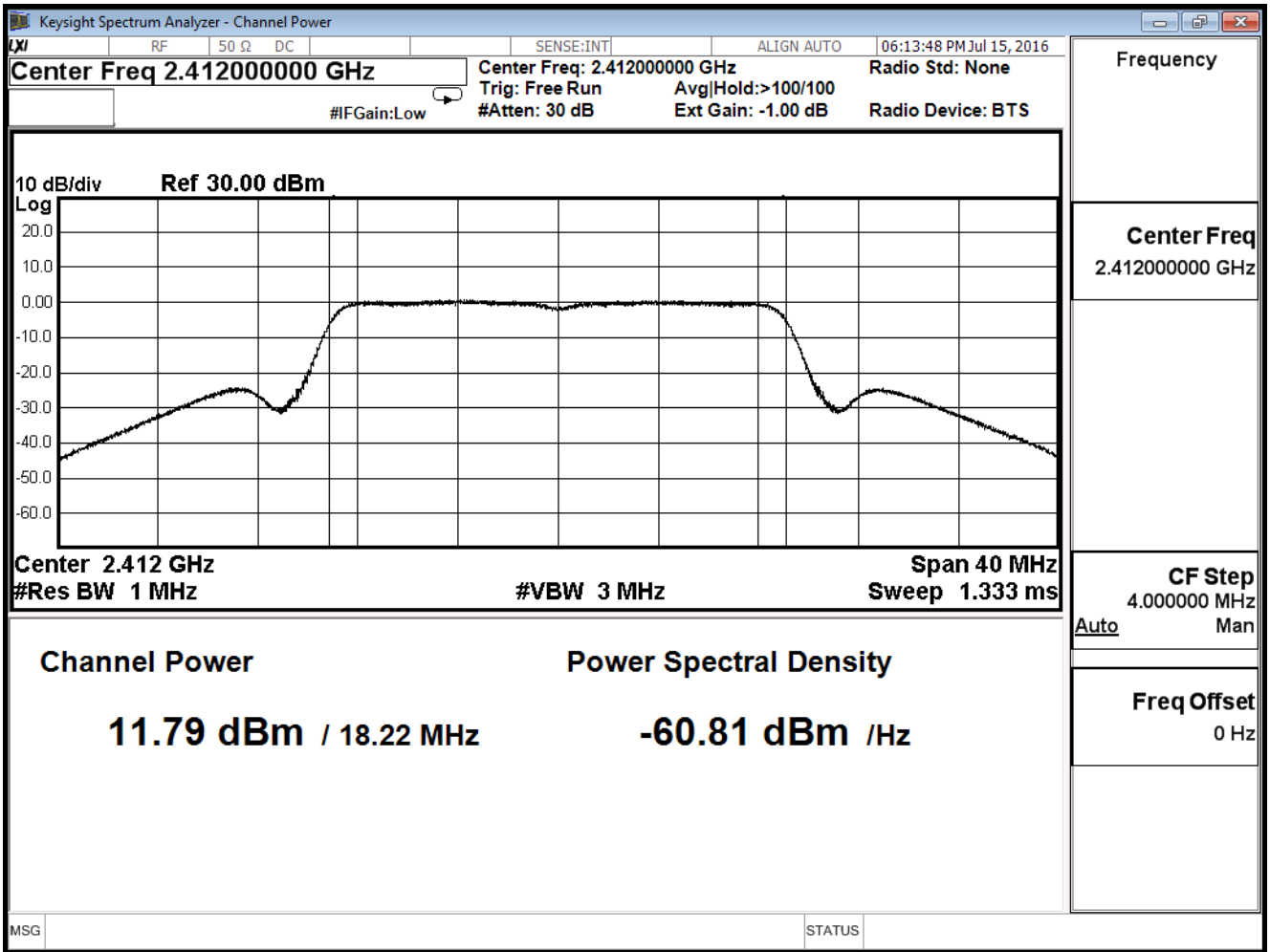
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	11.79	≤ 30
6	2437	17.06	≤ 30
11	2462	11.05	≤ 30

The worst emission of data rate is 19.5 Mbps

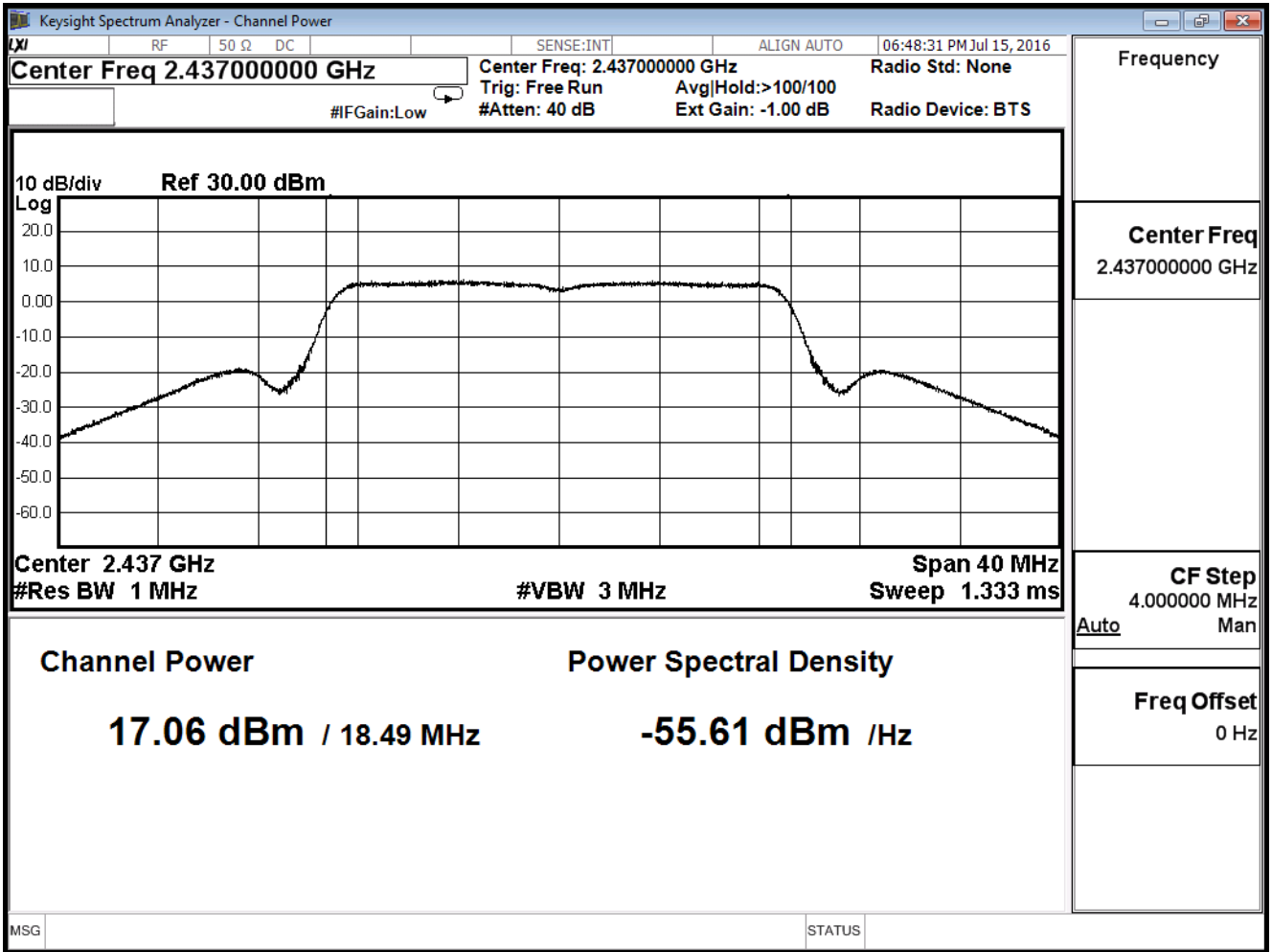
Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
1	2412	11.79	--	--	--	--	--	--	--	≤ 30
6	2437	17.06	17.00	16.95	16.90	16.84	16.78	16.72	16.64	≤ 30
11	2462	11.05	--	--	--	--	--	--	--	≤ 30

Note: Measure Level = Reading value + cable loss

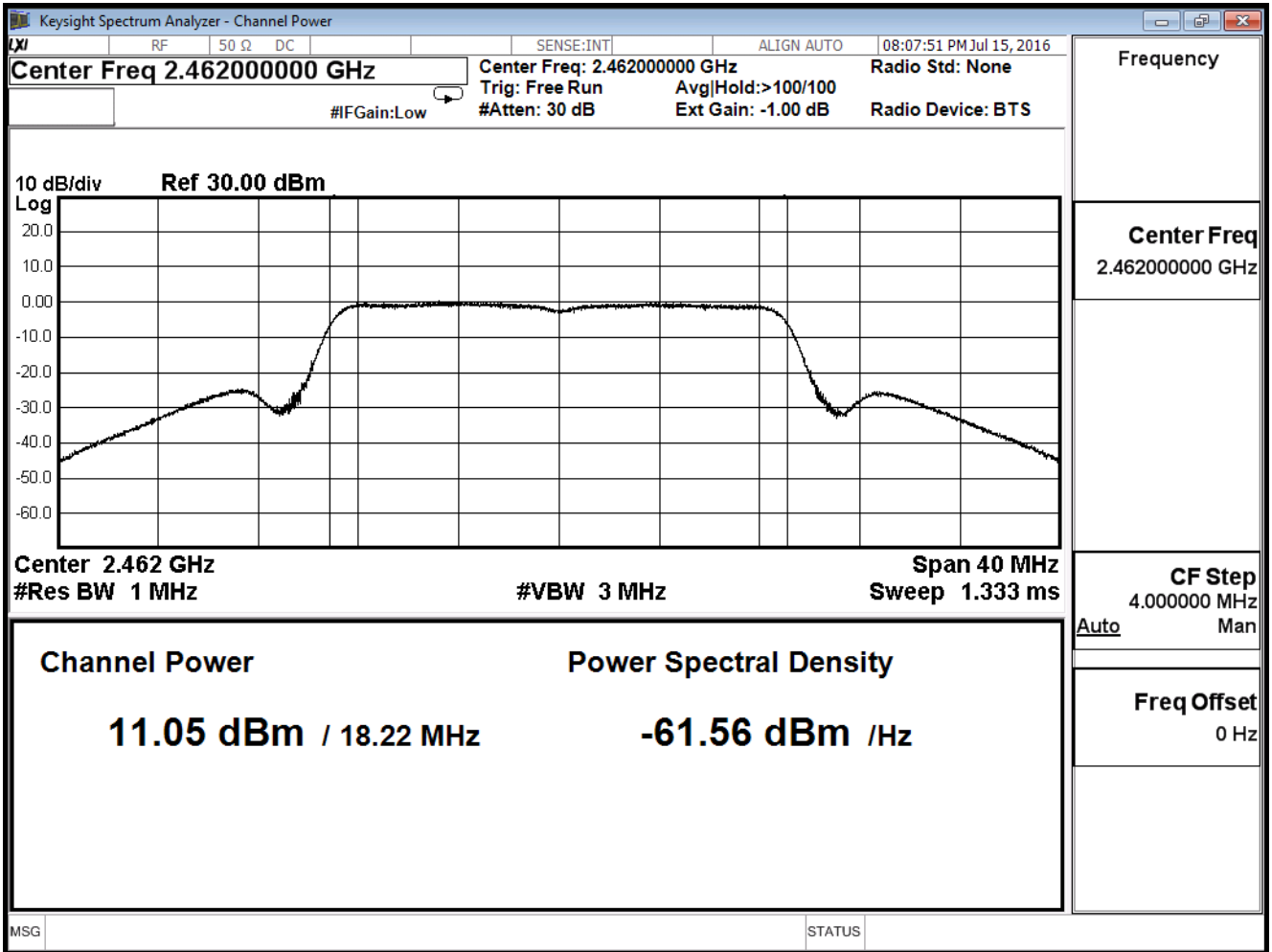
**Channel 1**



**Channel 6**



**Channel 11**



Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/15	Test Site	SR7

IEEE 802.11n 20MHz (ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	16.47	≤ 30
6	2437	21.73	≤ 30
11	2462	15.57	≤ 30

The worst emission of data rate is 19.5 Mbps

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
1	2412	16.47	--	--	--	--	--	--	--	≤ 30
6	2437	21.73	21.66	21.61	21.54	21.49	21.44	21.38	21.30	≤ 30
11	2462	15.57	--	--	--	--	--	--	--	≤ 30

Note: Measure Level = Reading value + cable loss

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/15	Test Site	SR7

IEEE802.11n 40MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	7.49	≤ 30
6	2437	11.41	≤ 30
9	2452	9.02	≤ 30

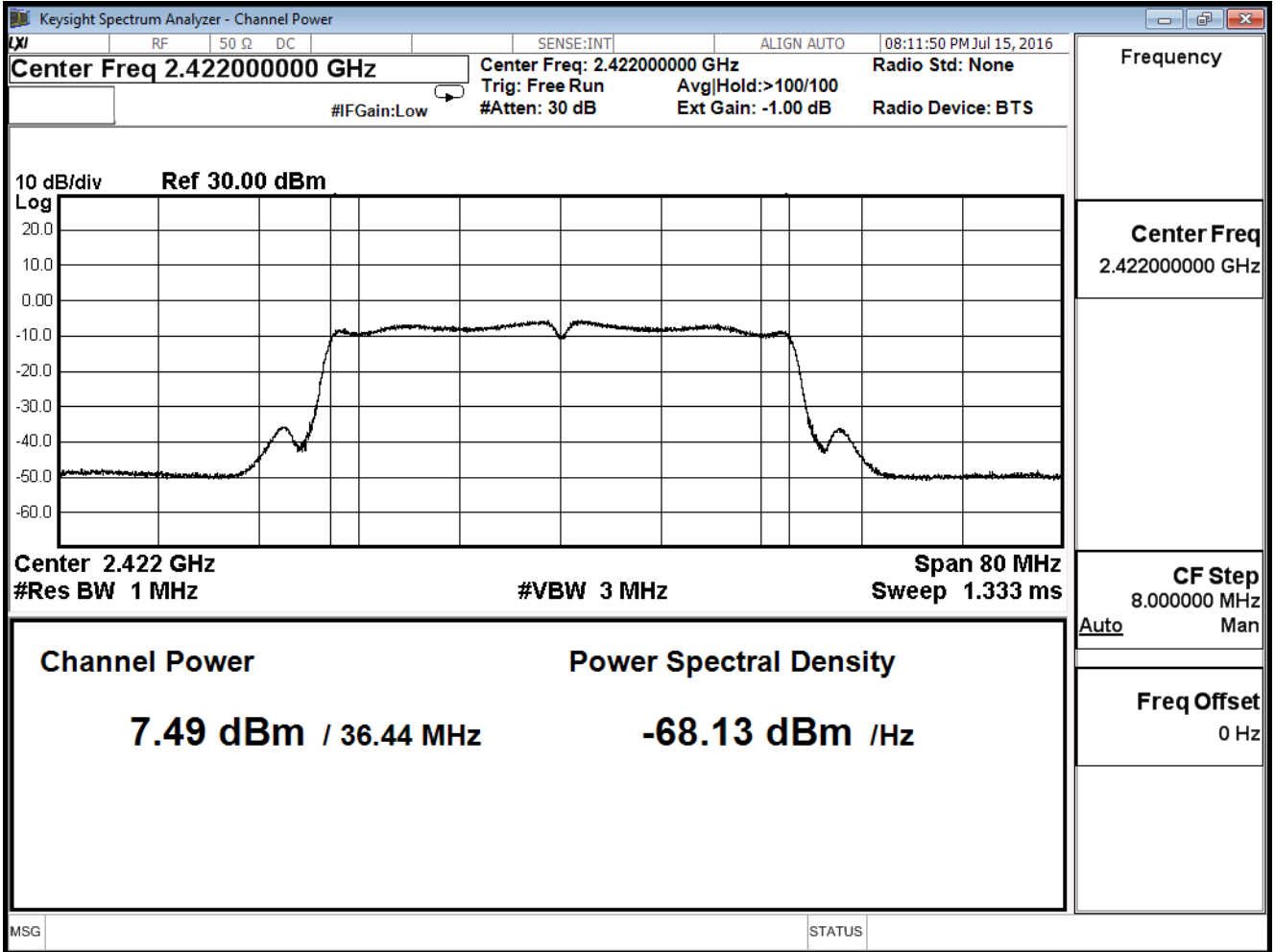
The worst emission of data rate is 27 Mbps.

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		27	54	81	108	162	216	243	270	
3	2422	7.49	--	--	--	--	--	--	--	≤ 30
6	2437	11.41	11.33	11.27	11.20	11.15	11.07	11.00	10.94	≤ 30
9	2452	9.02	--	--	--	--	--	--	--	≤ 30

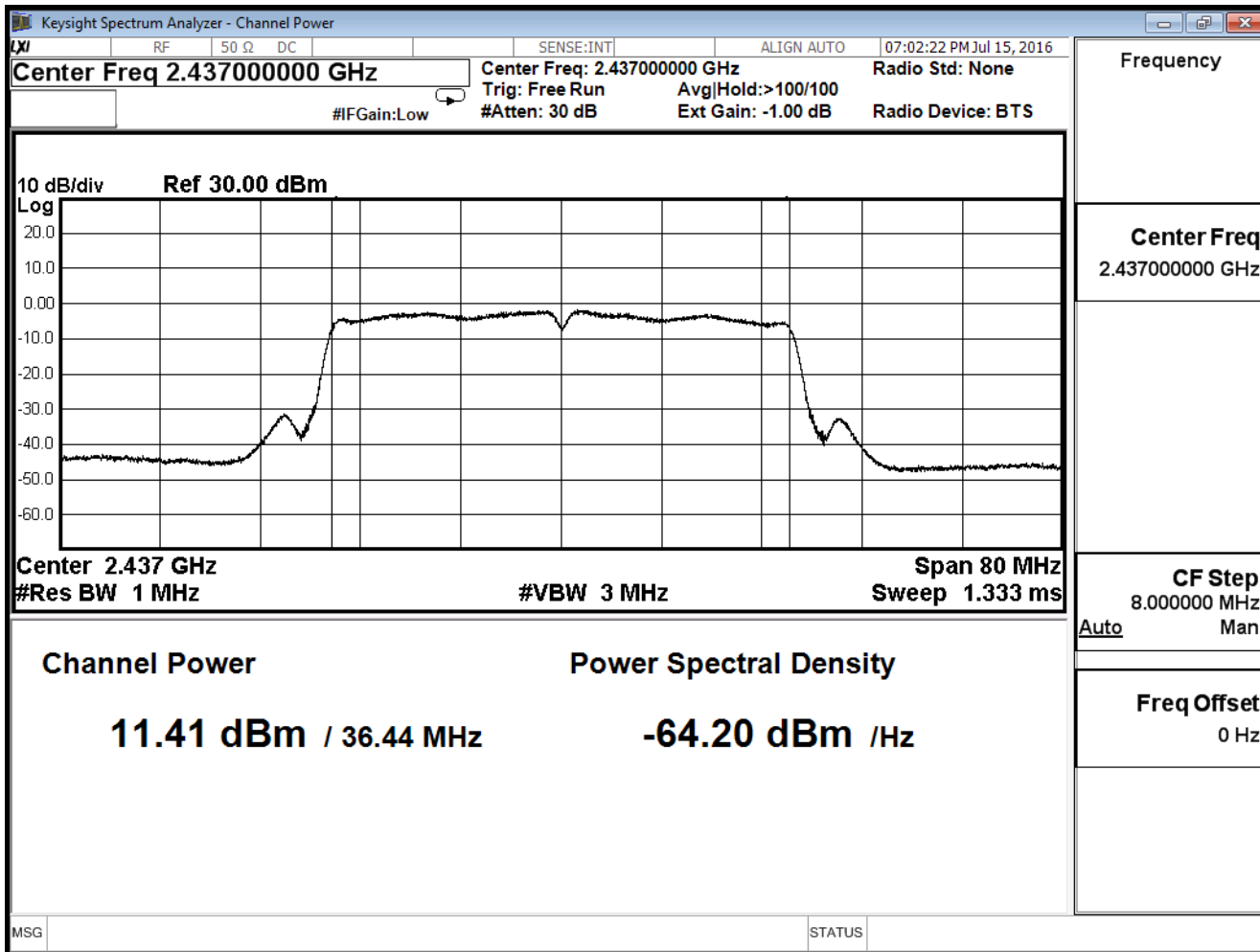
Note: Measure Level =Reading value + cable loss



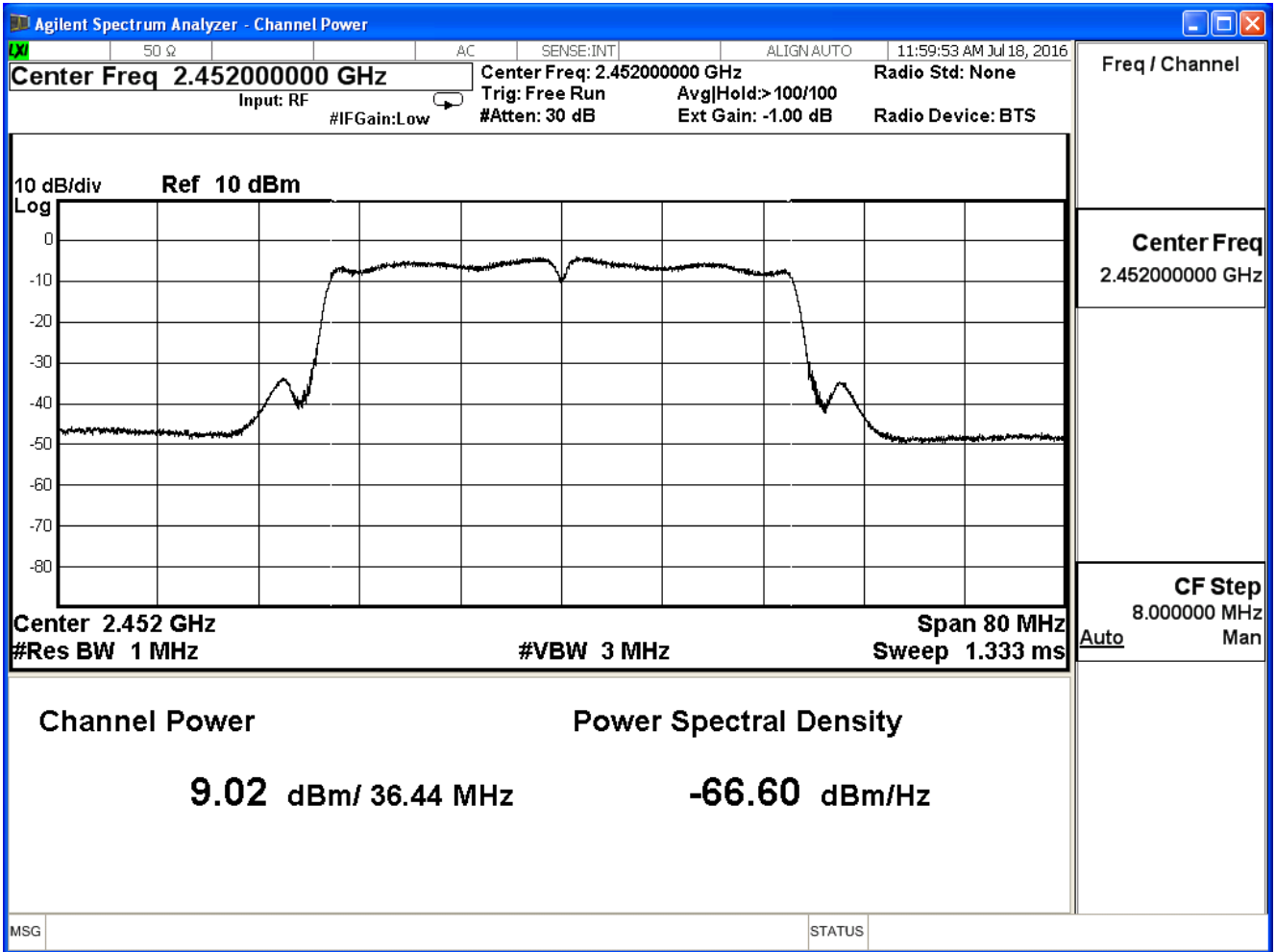
**Channel 3**



**Channel 6**



**Channel 9**



Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/15	Test Site	SR7

IEEE802.11n 40MHz (ANT 1)

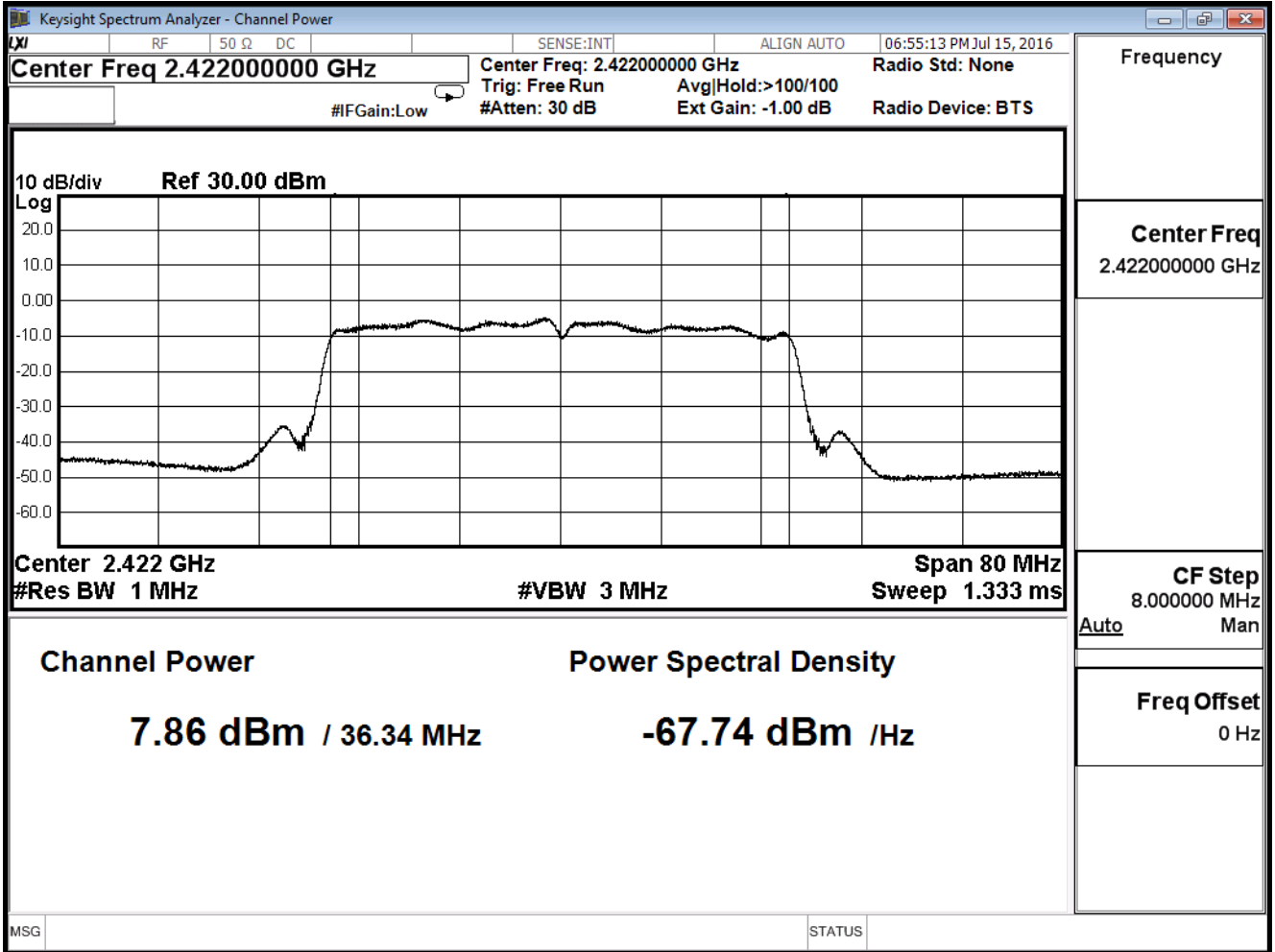
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	7.86	≤ 30
6	2437	11.57	≤ 30
9	2452	9.27	≤ 30

The worst emission of data rate is 27 Mbps.

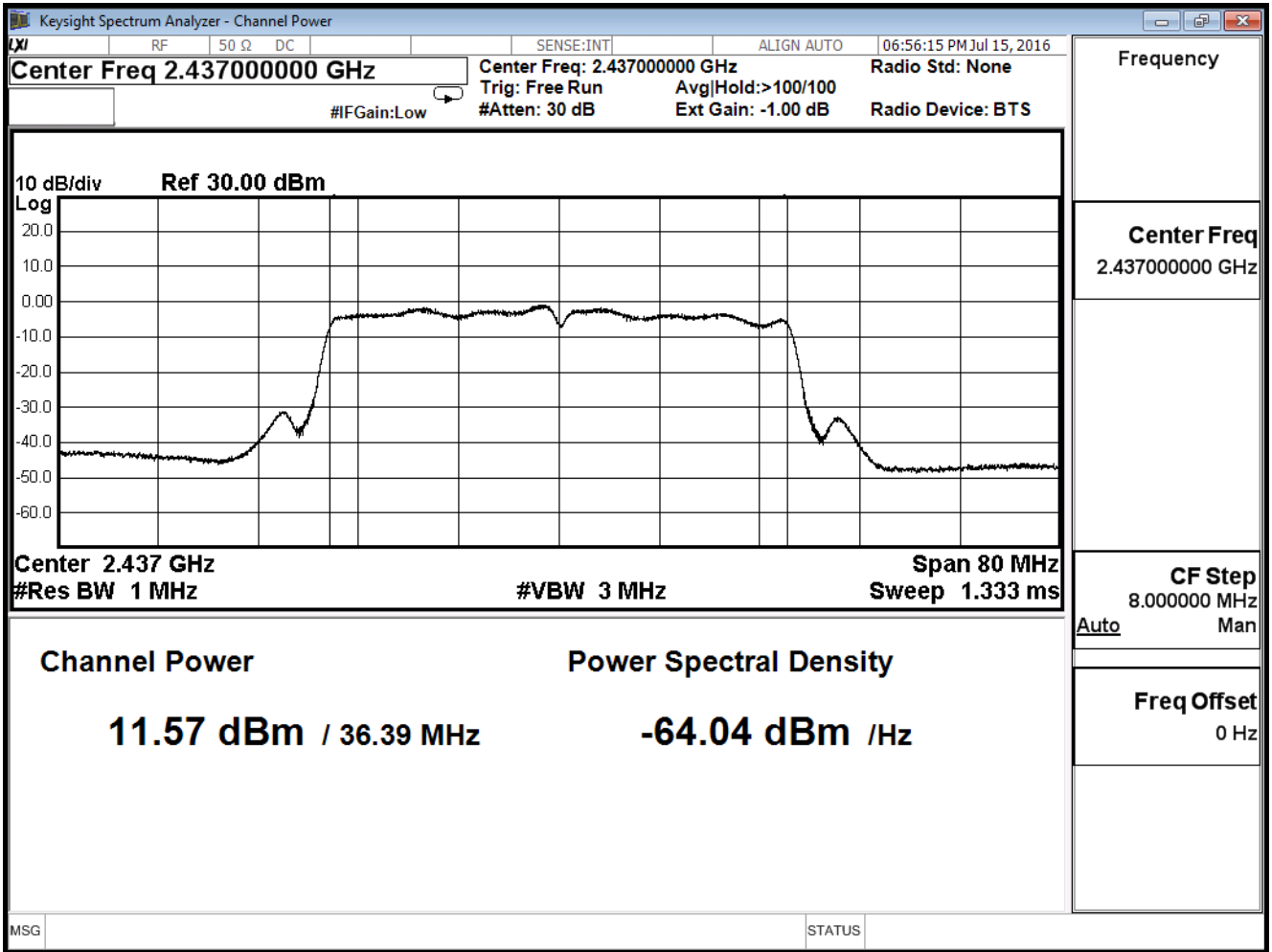
Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		27	54	81	108	162	216	243	270	
3	2422	7.86	--	--	--	--	--	--	--	≤ 30
6	2437	11.57	11.50	11.43	11.37	11.30	11.22	11.14	11.01	≤ 30
9	2452	9.27	--	--	--	--	--	--	--	≤ 30

Note: Measure Level = Reading value + cable loss

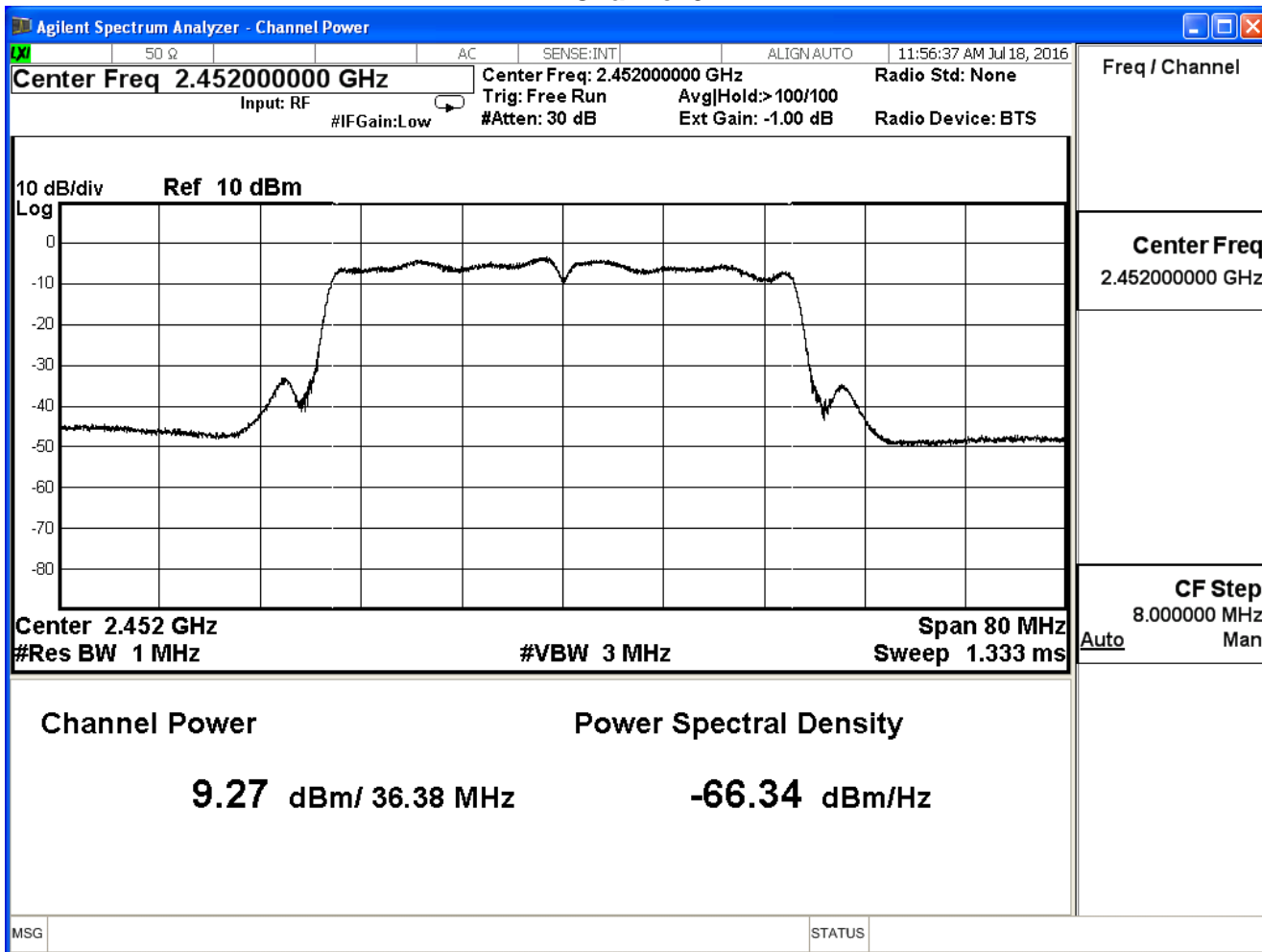
**Channel 3**



**Channel 6**



**Channel 9**



Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/15	Test Site	SR7

IEEE802.11n 40MHz (ANT 2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	7.81	≤ 30
6	2437	11.91	≤ 30
9	2452	9.34	≤ 30

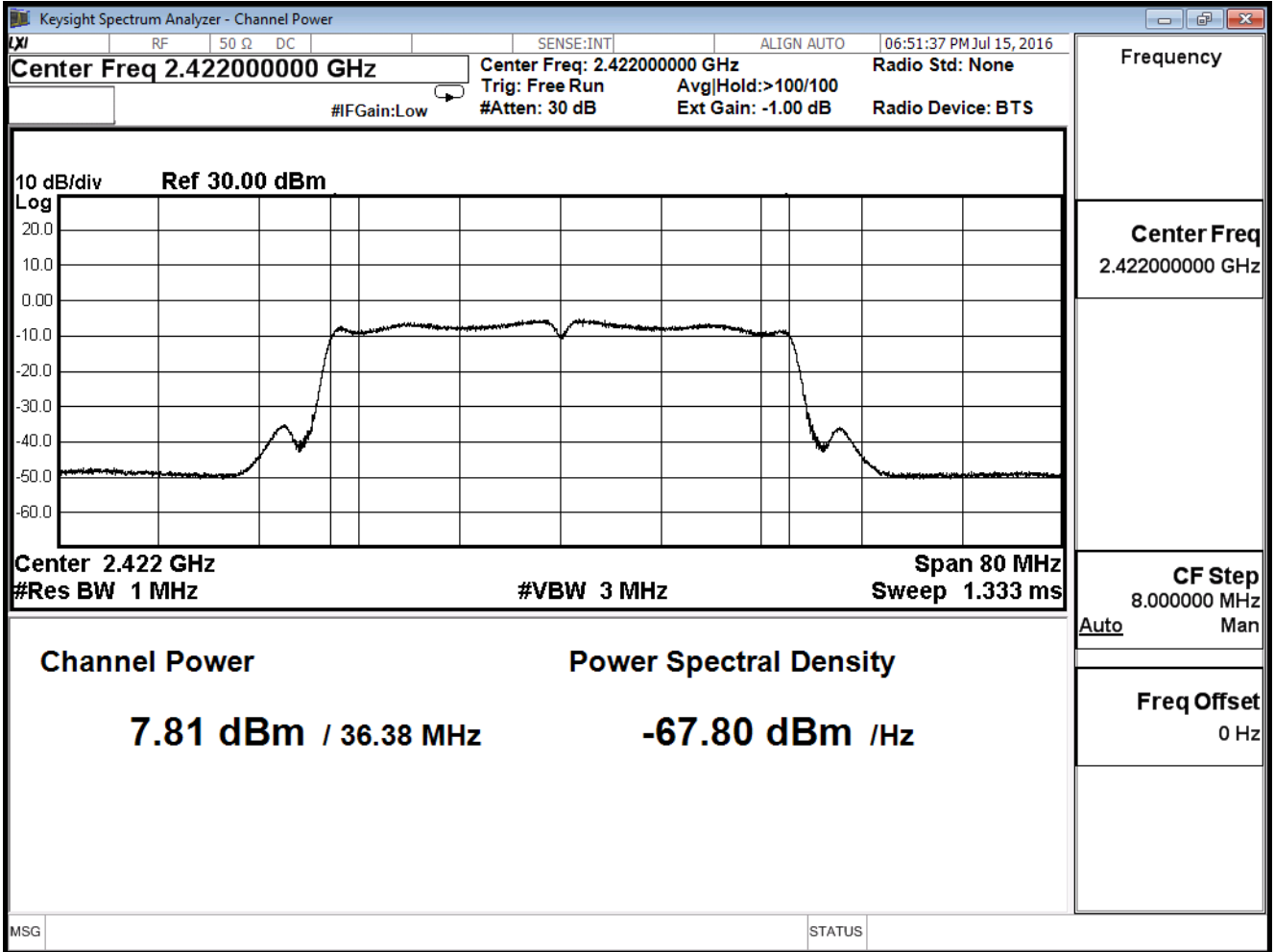
The worst emission of data rate is 27 Mbps.

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		27	54	81	108	162	216	243	270	
3	2422	7.81	--	--	--	--	--	--	--	≤ 30
6	2437	11.91	11.87	11.82	11.75	11.70	11.62	11.54	11.35	≤ 30
9	2452	9.34	--	--	--	--	--	--	--	≤ 30

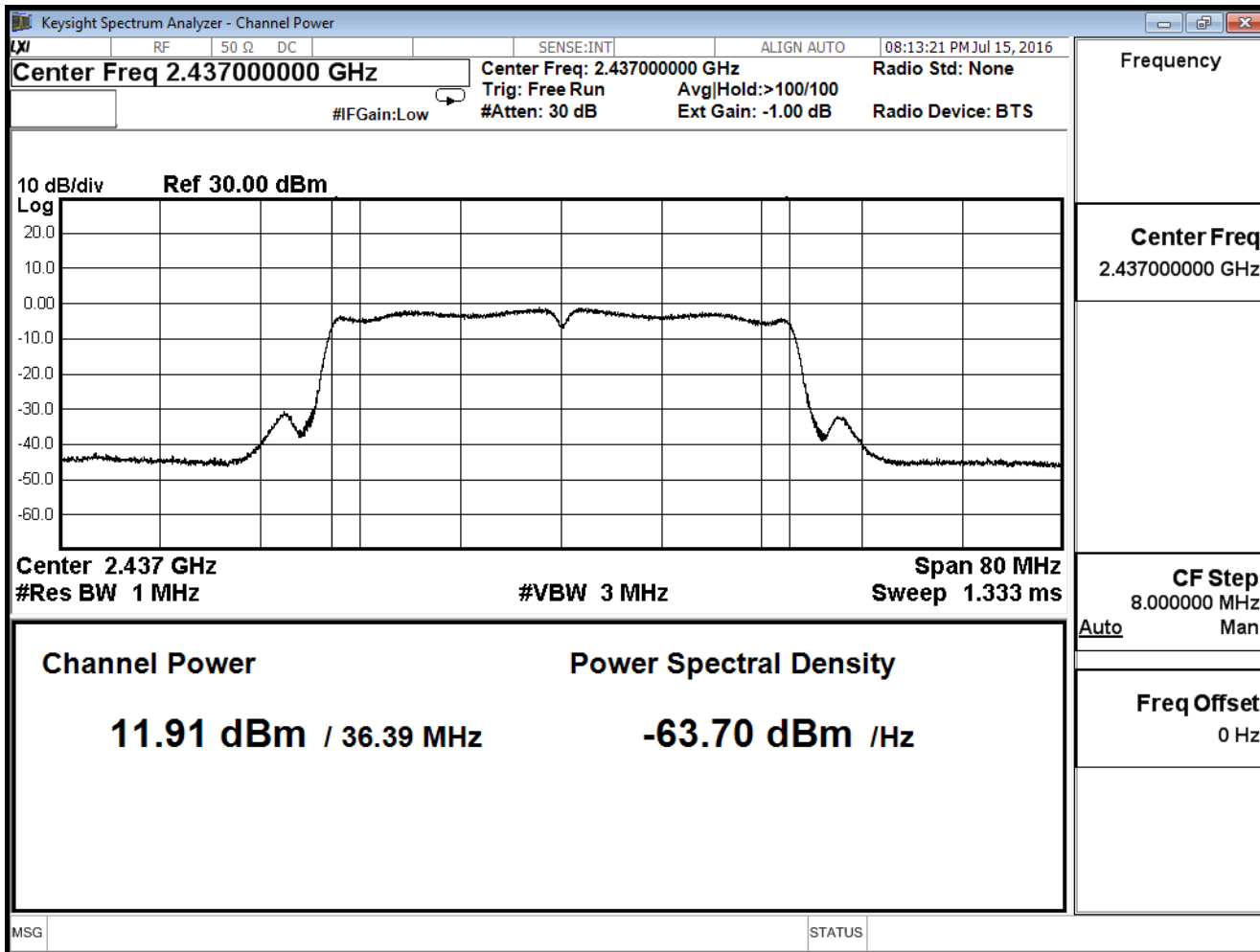
Note: Measure Level = Reading value + cable loss



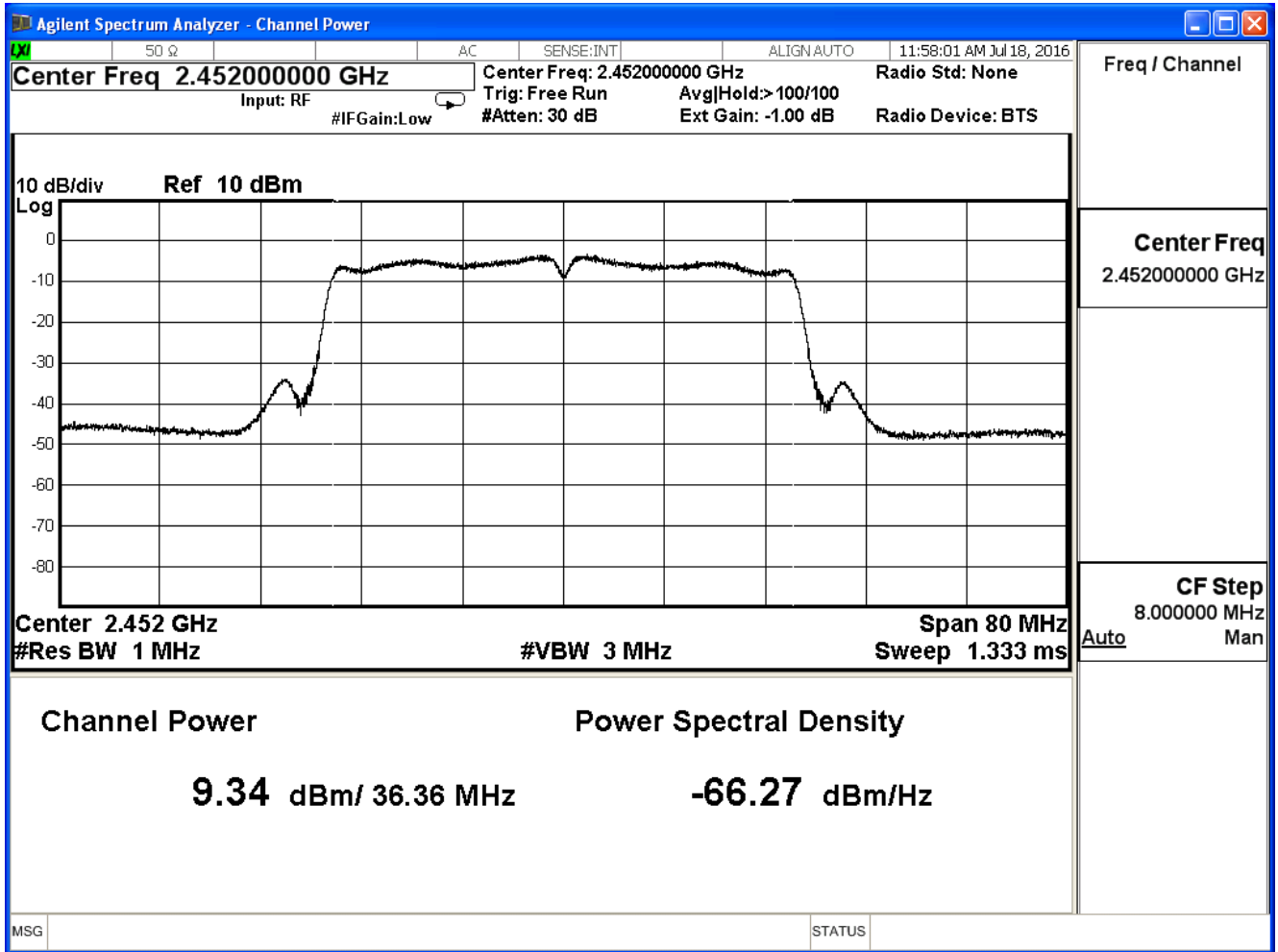
**Channel 3**



**Channel 6**



**Channel 9**



Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/15	Test Site	SR7

IEEE802.11n 40MHz (ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	12.49	≤ 30
6	2437	16.41	≤ 30
9	2452	13.98	≤ 30

The worst emission of data rate is 27 Mbps.

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		27	54	81	108	162	216	243	270	
3	2422	12.49	--	--	--	--	--	--	--	≤ 30
6	2437	16.41	16.34	16.28	16.22	16.16	16.08	16.00	15.87	≤ 30
9	2452	13.98	--	--	--	--	--	--	--	≤ 30

Note: Measure Level = Reading value + cable loss

#### 4. Radiated Emission

##### 4.1. Test Equipment

The following test equipments are used during the test:

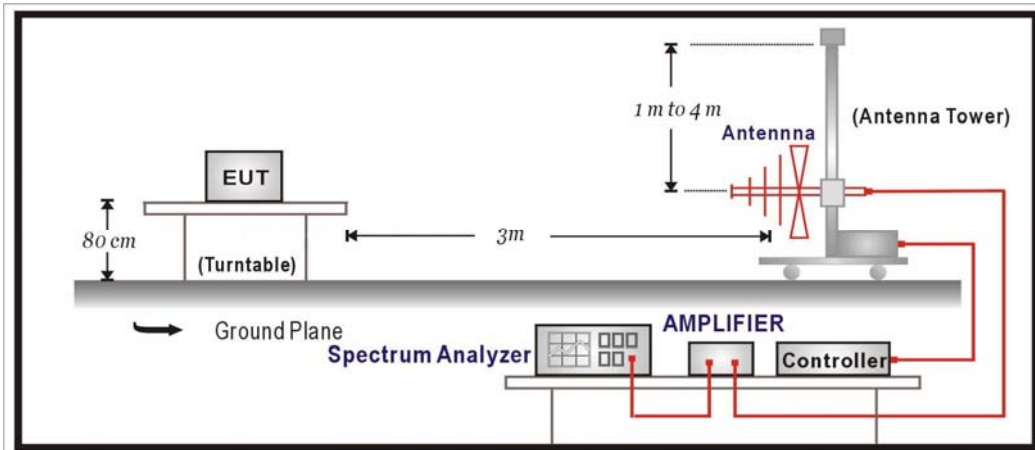
###### Radiated Emission / CB1

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Bilog Antenna	Schaffner	CBL6112B	2895	2016/08/14
Double Ridged Guide Horn Antenna	Schwarzbeck	BBHA 9120	D743	2017/01/14
Pre-Amplifier	EMCI	EMC0031835	4583/10/13	2017/01/26
Pre-Amplifier	QuieTek	AP-025C	CHM-0706049	2017/01/03
Spectrum Analyzer	Agilent	E4440A	MY46187335	2016/12/24
k Type Cable	Huber+Suhner	SF 102	25623/2	2017/01/11
Horn Antenna	Schwarzbeck	BBHA 9170	203	2016/09/07
Signal & Spectrum Analyzer	R&S	FSV40	101049	2017/01/05

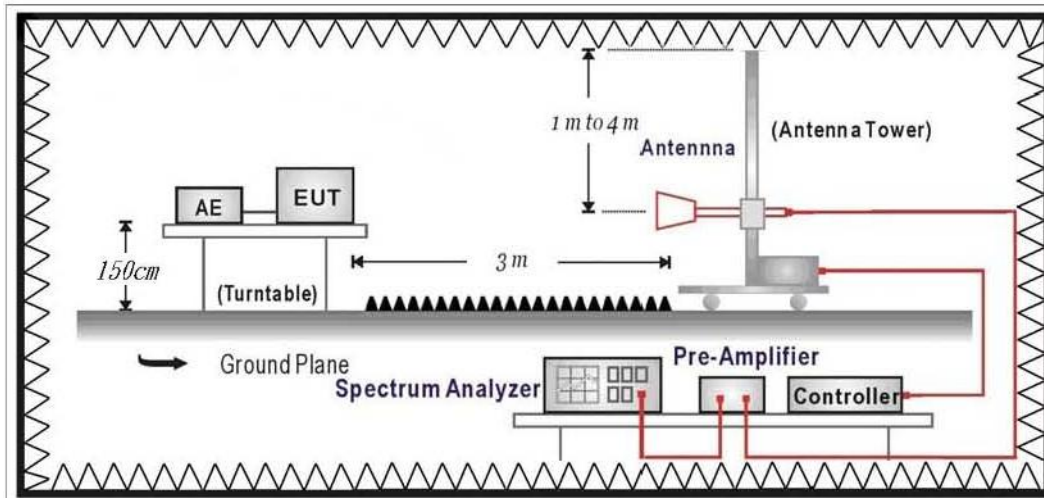
Note: All equipments that need to calibrate are with calibration period of 1 year.

## 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 v03r02 for compliance to FCC 47CFR 15.247 requirements.

The EUT and its simulators are placed on a turn table which is 0.8 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: 2013 on radiated measurement.

On any frequency or frequencies below or equal to 1000 MHz, the limits shown are based on measuring equipment employing a quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limits shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit. The bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz.

#### **4.5. Test Specification**

According to FCC Part 15 Subpart C Paragraph 15.247: 2015

#### **4.6. Uncertainty**

The measurement uncertainty

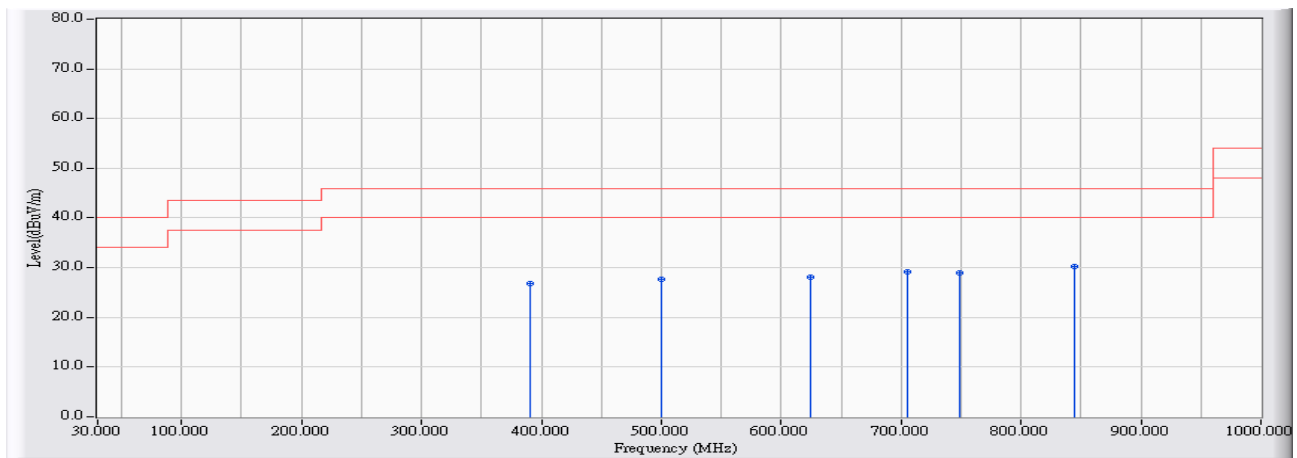
30MHz~1GHz as  $\pm 3.43\text{dB}$

1GHz~26.5Ghz as  $\pm 3.65\text{dB}$

### 4.7. Test Result

#### 30MHz-1GHz Spurious

<b>Site : CB1</b>	<b>Time : 2016/06/01 - 16:17</b>
<b>Limit : FCC_CLASS_B_03M_QP</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_30M-1G-4_9161 - HORIZONTAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11b_2437MHz</b>



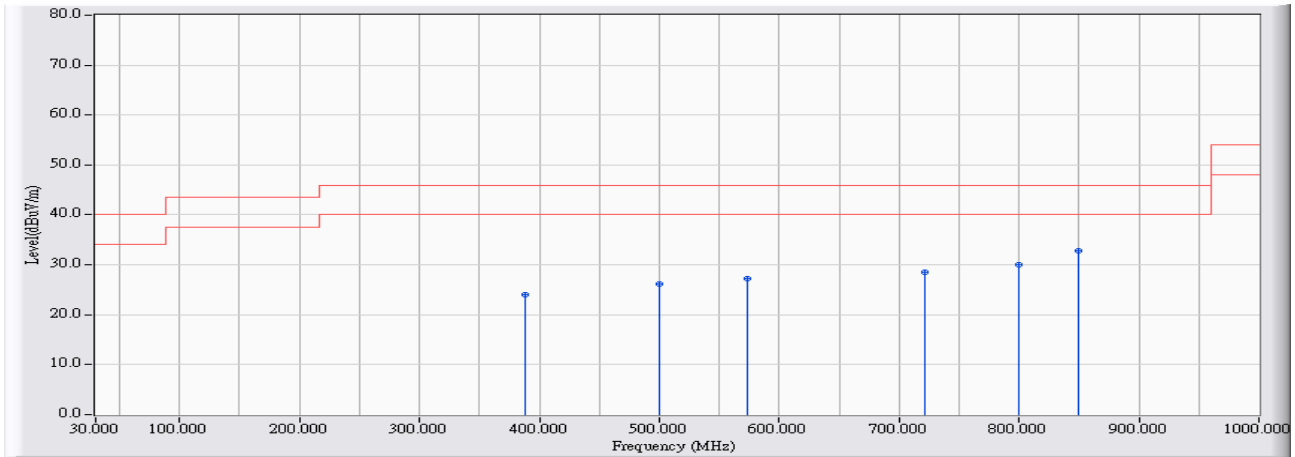
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	391.192	15.763	10.992	26.755	-19.245	46.000	QUASPEAK
2	500.015	17.755	10.002	27.757	-18.243	46.000	QUASPEAK
3	624.939	20.043	8.068	28.110	-17.890	46.000	QUASPEAK
4	705.149	21.128	8.107	29.234	-16.766	46.000	QUASPEAK
5	748.698	21.677	7.292	28.969	-17.031	46.000	QUASPEAK
6	* 844.234	22.823	7.411	30.234	-15.766	46.000	QUASPEAK

**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.



<b>Site : CB1</b>	<b>Time : 2016/06/01 - 16:21</b>
<b>Limit : FCC_CLASS_B_03M_QP</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_30M-1G-4_9161 - VERTICAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11b_2437MHz</b>

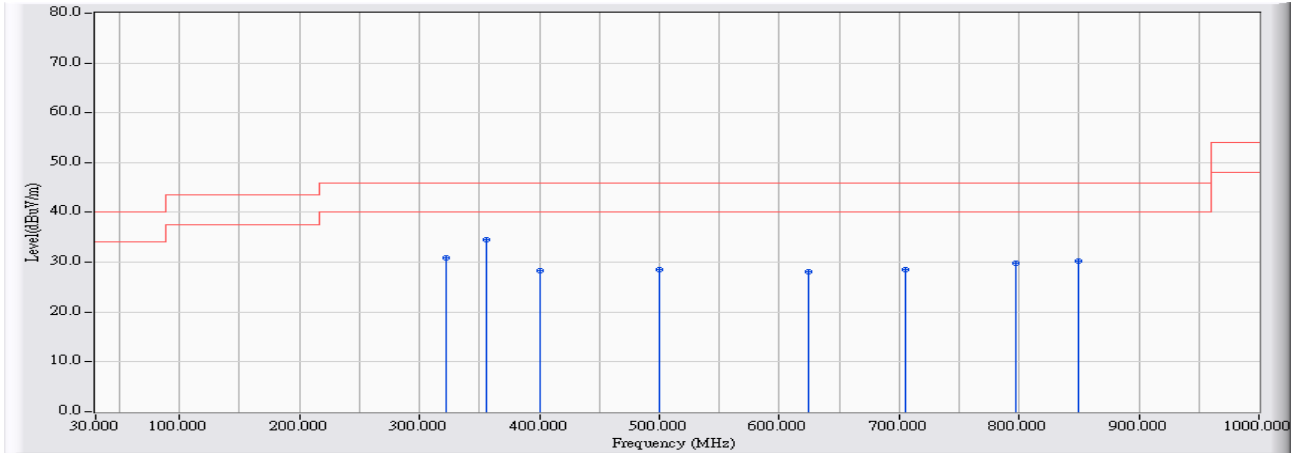


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1		388.476	15.700	8.304	24.004	-21.996	46.000	QUASPEAK
2		500.015	17.755	8.325	26.080	-19.920	46.000	QUASPEAK
3		573.631	19.189	8.032	27.221	-18.779	46.000	QUASPEAK
4		721.250	21.331	7.116	28.446	-17.554	46.000	QUASPEAK
5		800.006	22.324	7.751	30.075	-15.925	46.000	QUASPEAK
6	*	849.956	22.888	9.885	32.773	-13.227	46.000	QUASPEAK

**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.

<b>Site : CB1</b>	<b>Time : 2016/06/01 - 16:30</b>
<b>Limit : FCC_CLASS_B_03M_QP</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_30M-1G-4_9161 - HORIZONTAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11g_2437MHz</b>

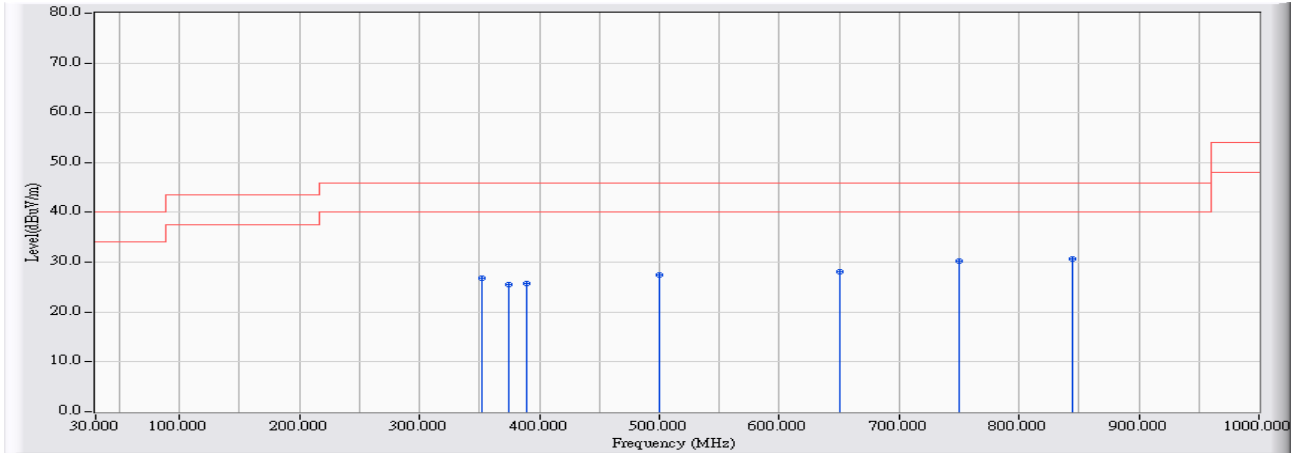


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1		322.717	14.198	16.613	30.811	-15.189	46.000	QUASPEAK
2	*	355.790	14.951	19.574	34.525	-11.475	46.000	QUASPEAK
3		400.018	15.966	12.349	28.314	-17.686	46.000	QUASPEAK
4		500.015	17.755	10.731	28.486	-17.514	46.000	QUASPEAK
5		624.939	20.043	8.035	28.077	-17.923	46.000	QUASPEAK
6		705.634	21.133	7.368	28.501	-17.499	46.000	QUASPEAK
7		797.387	22.291	7.602	29.893	-16.107	46.000	QUASPEAK
8		850.053	22.889	7.416	30.305	-15.695	46.000	QUASPEAK

**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.

<b>Site : CB1</b>	<b>Time : 2016/06/01 - 16:25</b>
<b>Limit : FCC_CLASS_B_03M_QP</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_30M-1G-4_9161 - VERTICAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11g_2437MHz</b>

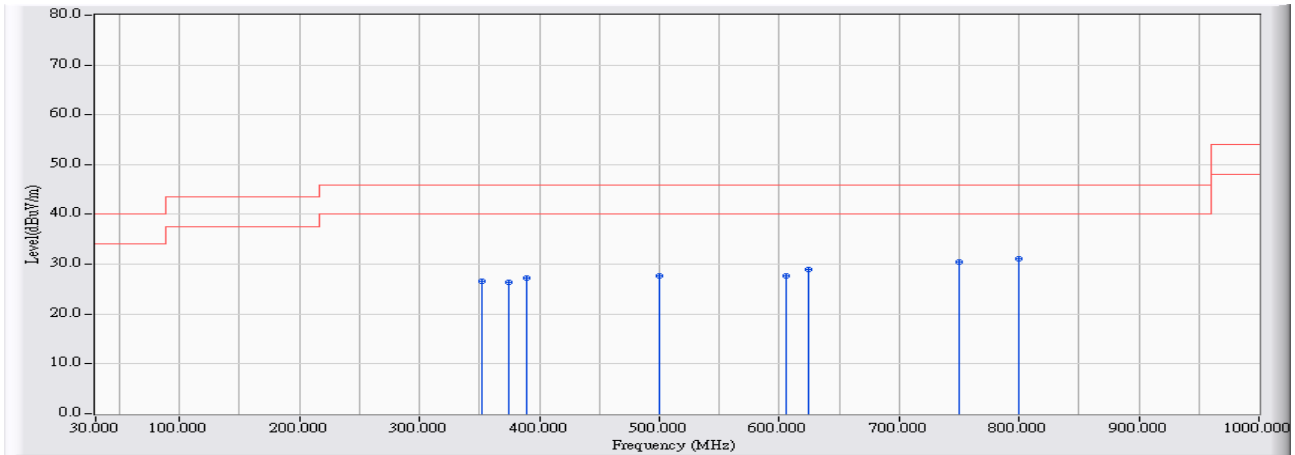


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1		351.911	14.862	11.985	26.847	-19.153	46.000	QUASPEAK
2		374.995	15.391	10.141	25.532	-20.468	46.000	QUASPEAK
3		389.155	15.716	10.012	25.728	-20.272	46.000	QUASPEAK
4		500.015	17.755	9.798	27.553	-18.447	46.000	QUASPEAK
5		650.350	20.388	7.779	28.167	-17.833	46.000	QUASPEAK
6		749.959	21.693	8.628	30.321	-15.679	46.000	QUASPEAK
7	*	844.137	22.822	7.848	30.670	-15.330	46.000	QUASPEAK

**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.

<b>Site : CB1</b>	<b>Time : 2016/06/01 - 16:34</b>
<b>Limit : FCC_CLASS_B_03M_QP</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_30M-1G-4_9161 - HORIZONTAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11(n20)_2437MHz</b>

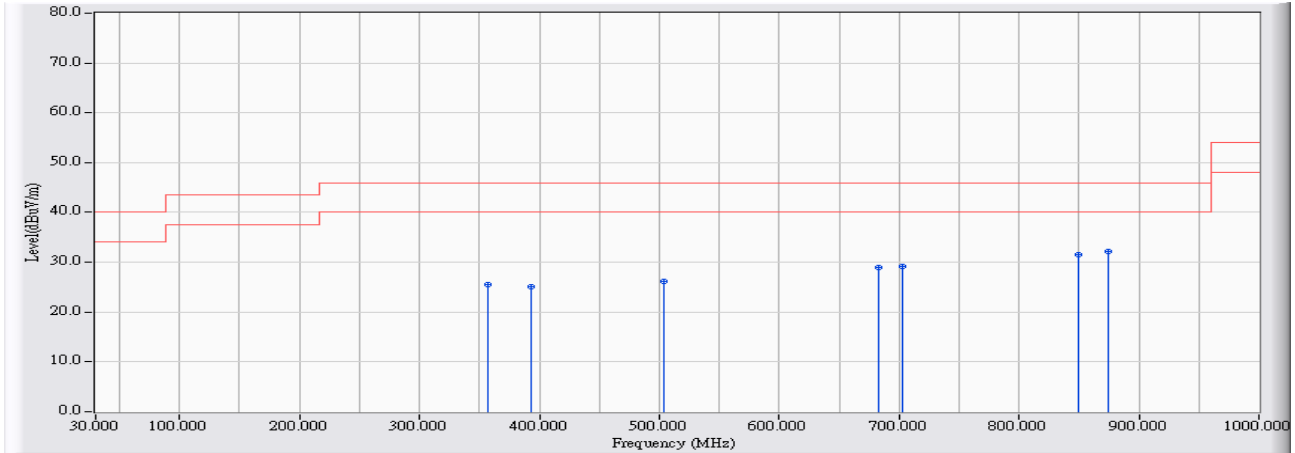


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1		351.911	14.862	11.733	26.595	-19.405	46.000	QUASPEAK
2		374.995	15.391	11.089	26.480	-19.520	46.000	QUASPEAK
3		389.155	15.716	11.574	27.290	-18.710	46.000	QUASPEAK
4		500.015	17.755	9.908	27.663	-18.337	46.000	QUASPEAK
5		605.249	19.775	7.916	27.691	-18.309	46.000	QUASPEAK
6		624.939	20.043	8.899	28.941	-17.059	46.000	QUASPEAK
7		749.959	21.693	8.769	30.462	-15.538	46.000	QUASPEAK
8	*	800.006	22.324	8.777	31.101	-14.899	46.000	QUASPEAK

**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.

<b>Site : CB1</b>	<b>Time : 2016/06/01 - 16:40</b>
<b>Limit : FCC_CLASS_B_03M_QP</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_30M-1G-4_9161 - VERTICAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11(n20)_2437MHz</b>

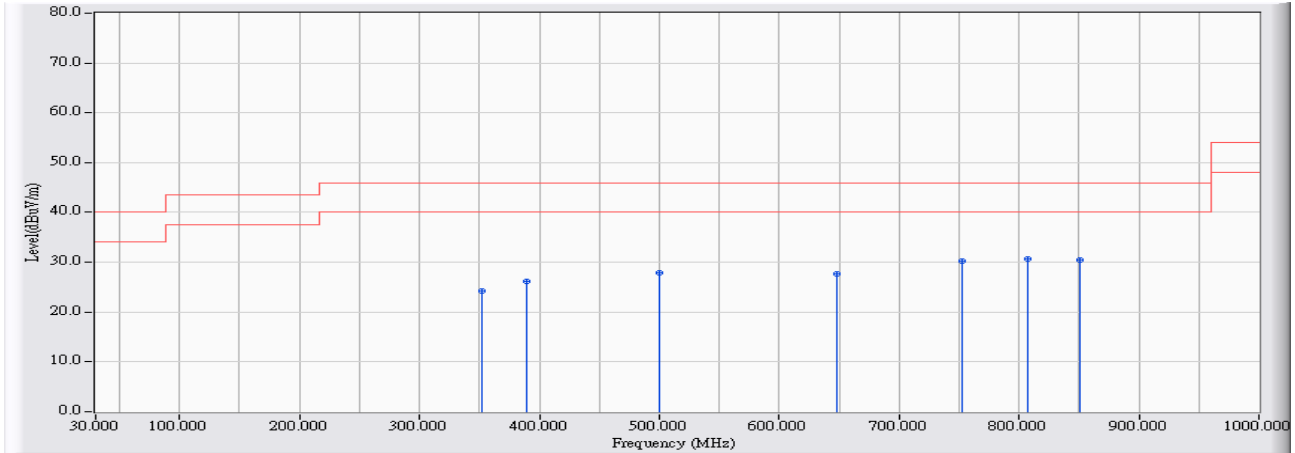


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1		356.663	14.971	10.624	25.595	-20.405	46.000	QUASPEAK
2		393.326	15.812	9.277	25.089	-20.911	46.000	QUASPEAK
3		503.410	17.819	8.414	26.233	-19.767	46.000	QUASPEAK
4		683.327	20.836	8.157	28.993	-17.007	46.000	QUASPEAK
5		702.822	21.098	8.131	29.229	-16.771	46.000	QUASPEAK
6		849.956	22.888	8.630	31.518	-14.482	46.000	QUASPEAK
7	*	874.980	23.170	9.051	32.221	-13.779	46.000	QUASPEAK

**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.

<b>Site : CB1</b>	<b>Time : 2016/06/01 - 16:47</b>
<b>Limit : FCC_CLASS_B_03M_QP</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_30M-1G-4_9161 - HORIZONTAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11(n40)_2437MHz</b>

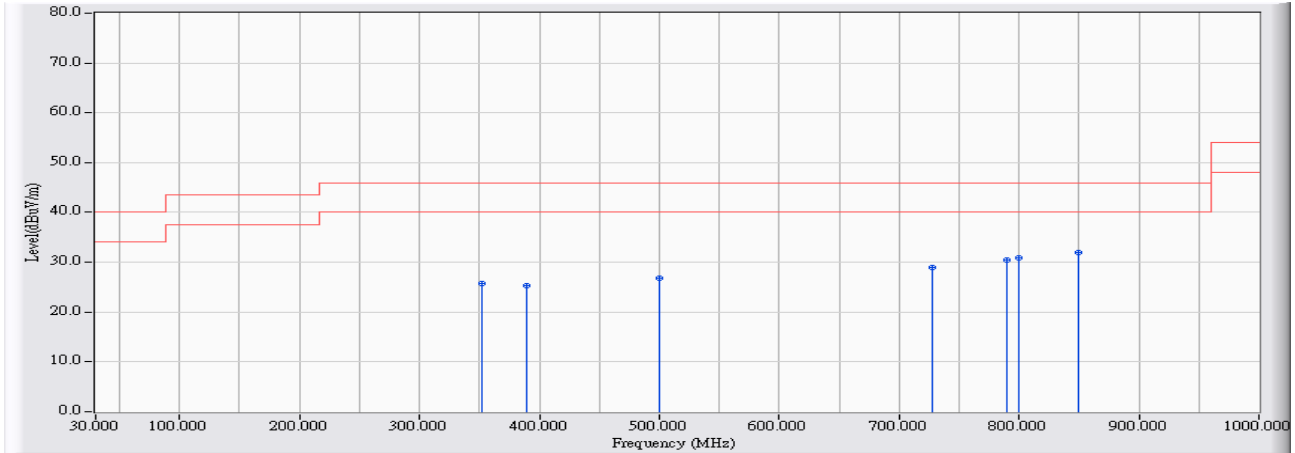


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1		351.814	14.860	9.391	24.251	-21.749	46.000	QUASPEAK
2		389.155	15.716	10.434	26.150	-19.850	46.000	QUASPEAK
3		500.015	17.755	10.219	27.974	-18.026	46.000	QUASPEAK
4		647.925	20.355	7.305	27.660	-18.340	46.000	QUASPEAK
5		752.675	21.727	8.421	30.148	-15.852	46.000	QUASPEAK
6	*	807.571	22.410	8.230	30.639	-15.361	46.000	QUASPEAK
7		850.150	22.890	7.667	30.557	-15.443	46.000	QUASPEAK

**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.

<b>Site : CB1</b>	<b>Time : 2016/06/01 - 16:44</b>
<b>Limit : FCC_CLASS_B_03M_QP</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_30M-1G-4_9161 - VERTICAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11(n40)_2437MHz</b>

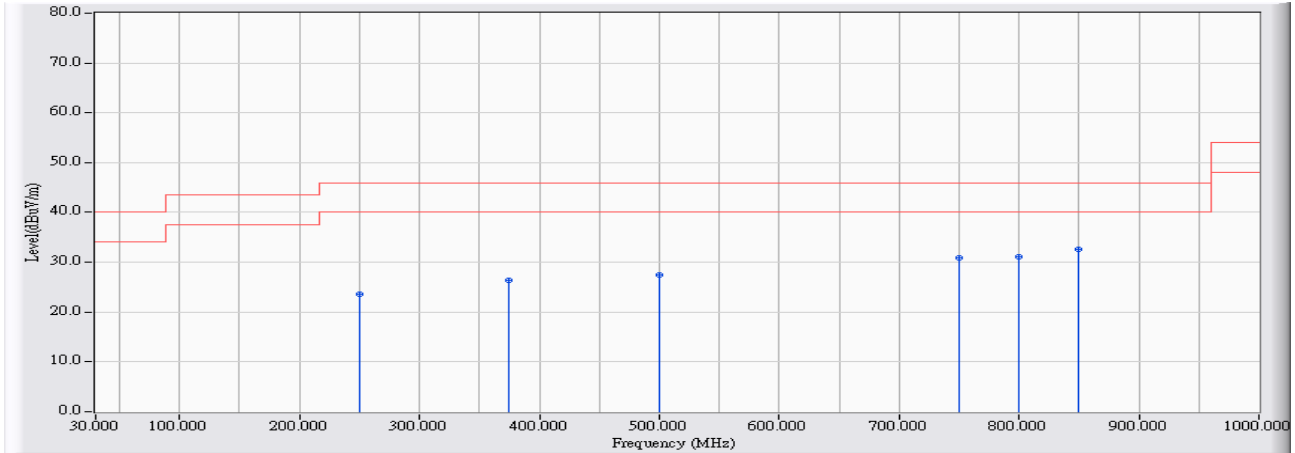


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1		351.911	14.862	10.785	25.647	-20.353	46.000	QUASPEAK
2		389.155	15.716	9.563	25.279	-20.721	46.000	QUASPEAK
3		500.015	17.755	8.986	26.741	-19.259	46.000	QUASPEAK
4		727.554	21.410	7.535	28.945	-17.055	46.000	QUASPEAK
5		789.919	22.197	8.185	30.382	-15.618	46.000	QUASPEAK
6		800.006	22.324	8.491	30.815	-15.185	46.000	QUASPEAK
7	*	850.053	22.889	9.149	32.038	-13.962	46.000	QUASPEAK

**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.

<b>Site : CB1</b>	<b>Time : 2016/06/01 - 13:50</b>
<b>Limit : FCC_CLASS_B_03M_QP</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_30M-1G-4_9161 - HORIZONTAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 2: Transmit_2.4 PA: Richwace; ADP: ADP-33AW 802.11b_2437MHz</b>



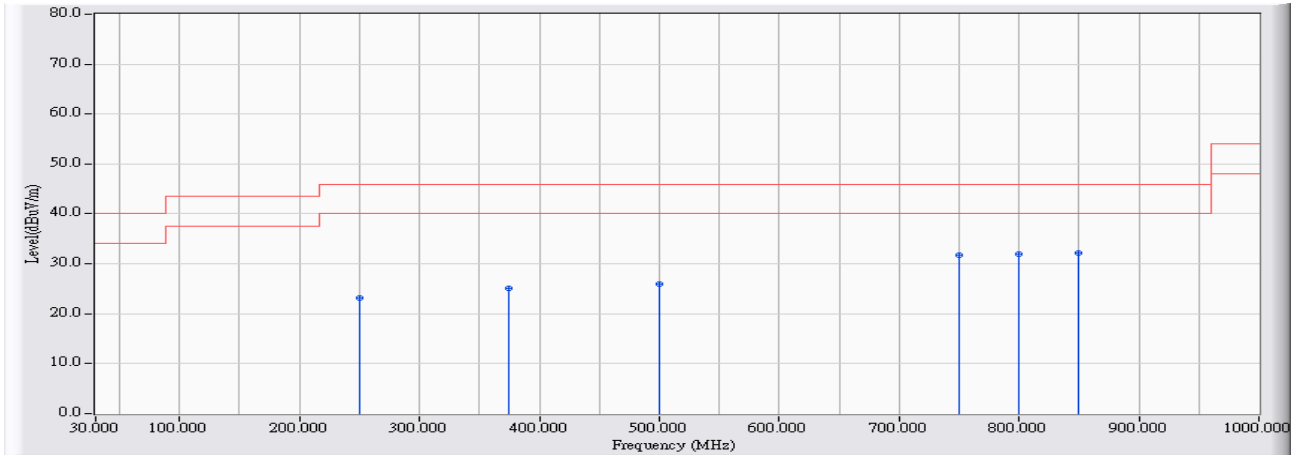
		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1		249.974	12.322	11.301	23.624	-22.376	46.000	QUASPEAK
2		374.995	15.391	11.034	26.425	-19.575	46.000	QUASPEAK
3		500.015	17.755	9.695	27.450	-18.550	46.000	QUASPEAK
4		749.959	21.693	9.238	30.931	-15.069	46.000	QUASPEAK
5		800.006	22.324	8.807	31.131	-14.869	46.000	QUASPEAK
6	*	850.053	22.889	9.638	32.527	-13.473	46.000	QUASPEAK

**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.



<b>Site : CB1</b>	<b>Time : 2016/06/01 - 13:54</b>
<b>Limit : FCC_CLASS_B_03M_QP</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_30M-1G-4_9161 - VERTICAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 2: Transmit_2.4 PA: Richwace; ADP: ADP-33AW 802.11b_2437MHz</b>

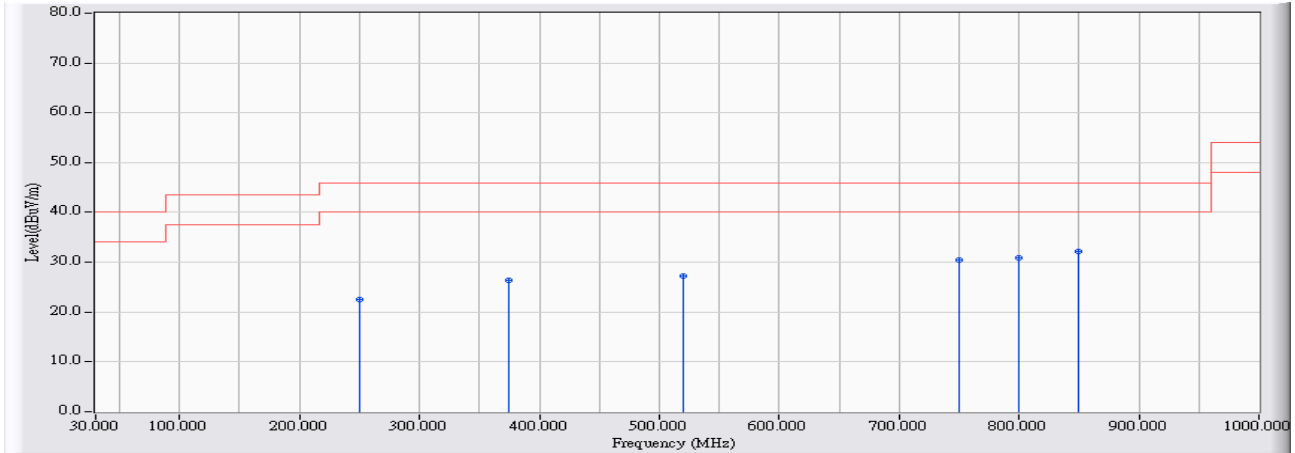


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1		249.974	12.322	10.810	23.133	-22.867	46.000	QUASPEAK
2		374.995	15.391	9.783	25.174	-20.826	46.000	QUASPEAK
3		500.015	17.755	8.226	25.981	-20.019	46.000	QUASPEAK
4		749.959	21.693	10.120	31.813	-14.187	46.000	QUASPEAK
5		800.006	22.324	9.530	31.854	-14.146	46.000	QUASPEAK
6	*	849.956	22.888	9.284	32.172	-13.828	46.000	QUASPEAK

**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.

<b>Site : CB1</b>	<b>Time : 2016/06/01 - 13:59</b>
<b>Limit : FCC_CLASS_B_03M_QP</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_30M-1G-4_9161 - HORIZONTAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 2: Transmit_2.4 PA: Richwace; ADP: ADP-33AW 802.11g_2437MHz</b>

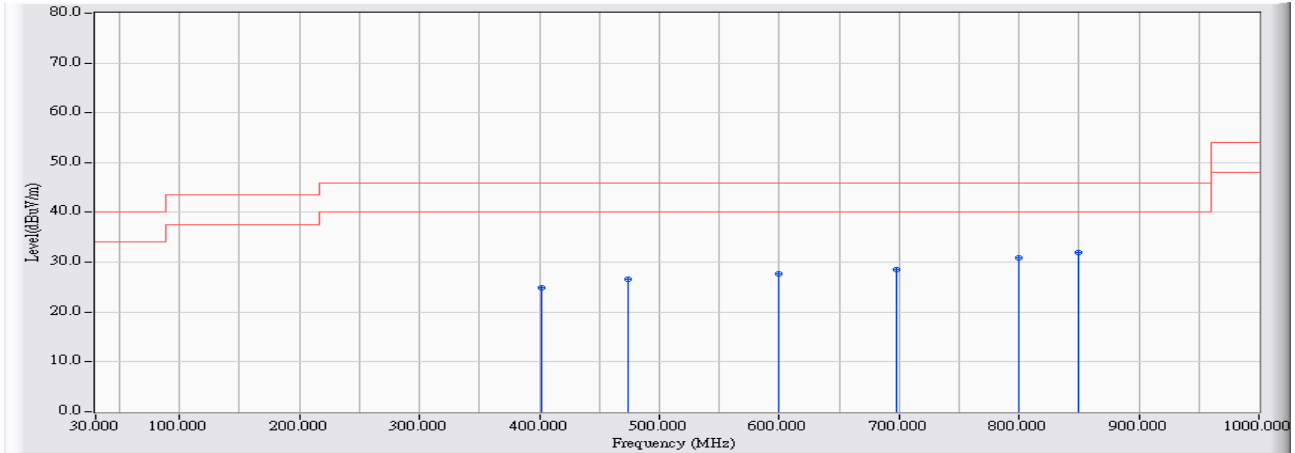


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1		249.974	12.322	10.288	22.611	-23.389	46.000	QUASPEAK
2		374.995	15.391	11.049	26.440	-19.560	46.000	QUASPEAK
3		520.189	18.146	9.084	27.231	-18.769	46.000	QUASPEAK
4		749.959	21.693	8.691	30.384	-15.616	46.000	QUASPEAK
5		800.006	22.324	8.625	30.949	-15.051	46.000	QUASPEAK
6	*	849.956	22.888	9.308	32.196	-13.804	46.000	QUASPEAK

**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.

<b>Site : CB1</b>	<b>Time : 2016/06/01 - 14:02</b>
<b>Limit : FCC_CLASS_B_03M_QP</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_30M-1G-4_9161 - VERTICAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 2: Transmit_2.4 PA: Richwace; ADP: ADP-33AW 802.11g_2437MHz</b>

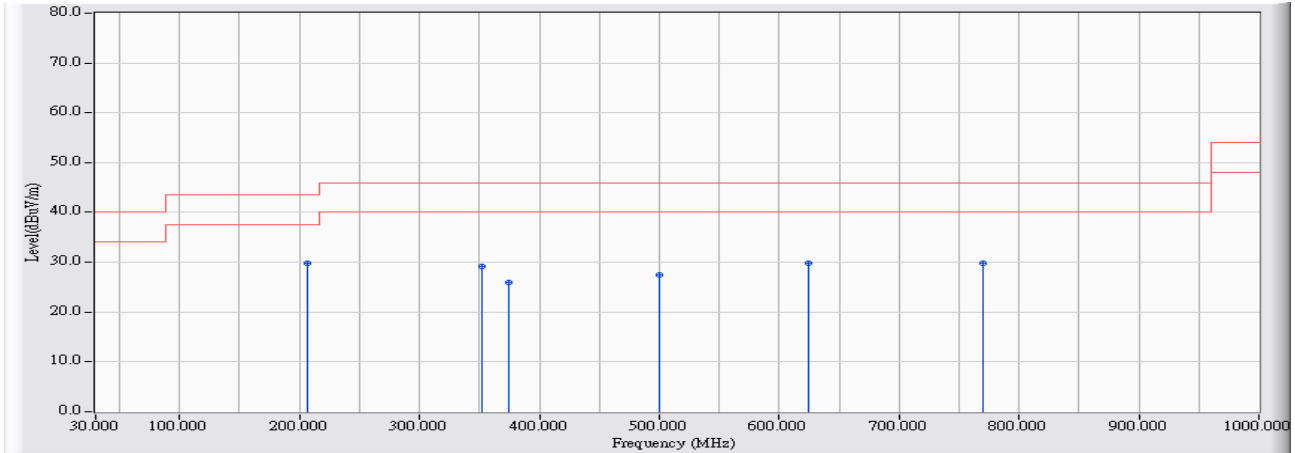


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1		401.570	16.001	8.905	24.907	-21.093	46.000	QUASPEAK
2		473.440	17.434	9.228	26.662	-19.338	46.000	QUASPEAK
3		599.333	19.691	7.939	27.629	-18.371	46.000	QUASPEAK
4		697.293	21.026	7.547	28.573	-17.427	46.000	QUASPEAK
5		800.006	22.324	8.646	30.970	-15.030	46.000	QUASPEAK
6	*	850.053	22.889	9.052	31.941	-14.059	46.000	QUASPEAK

**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.

<b>Site : CB1</b>	<b>Time : 2016/06/01 - 14:58</b>
<b>Limit : FCC_CLASS_B_03M_QP</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_30M-1G-4_9161 - HORIZONTAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 2: Transmit_2.4 PA: Richwace; ADP: ADP-33AW 802.11n(20M)_2437MHz</b>

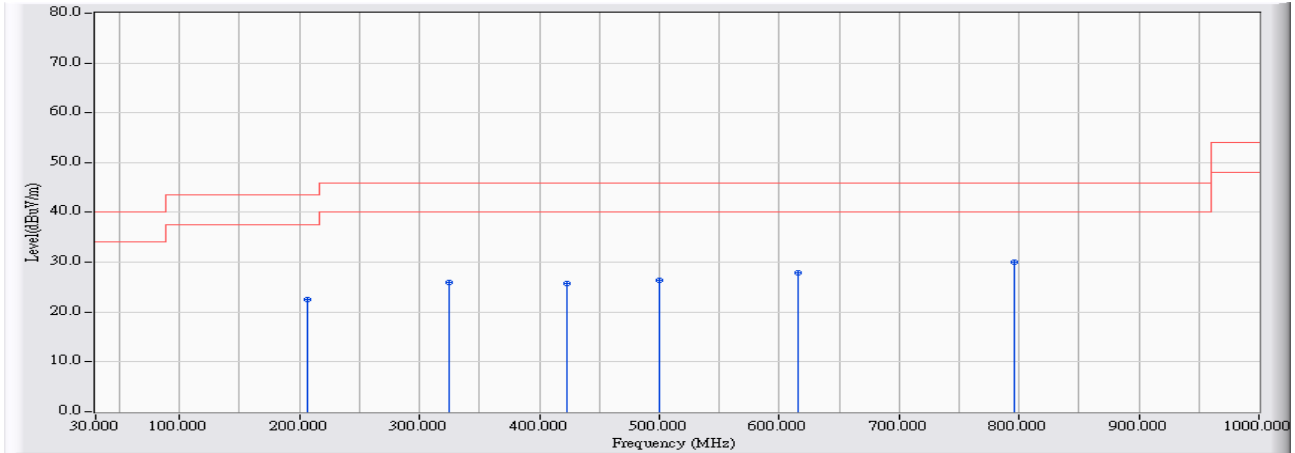


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1	*	206.231	12.432	17.464	29.895	-13.605	43.500	QUASPEAK
2		351.911	14.862	14.232	29.094	-16.906	46.000	QUASPEAK
3		374.898	15.389	10.626	26.015	-19.985	46.000	QUASPEAK
4		500.015	17.755	9.706	27.461	-18.539	46.000	QUASPEAK
5		624.939	20.043	9.776	29.818	-16.182	46.000	QUASPEAK
6		770.521	21.952	7.899	29.851	-16.149	46.000	QUASPEAK

**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.

<b>Site : CB1</b>	<b>Time : 2016/06/01 - 15:00</b>
<b>Limit : FCC_CLASS_B_03M_QP</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_30M-1G-4_9161 - VERTICAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 2: Transmit_2.4 PA: Richwace; ADP: ADP-33AW 802.11n(20M)_2437MHz</b>

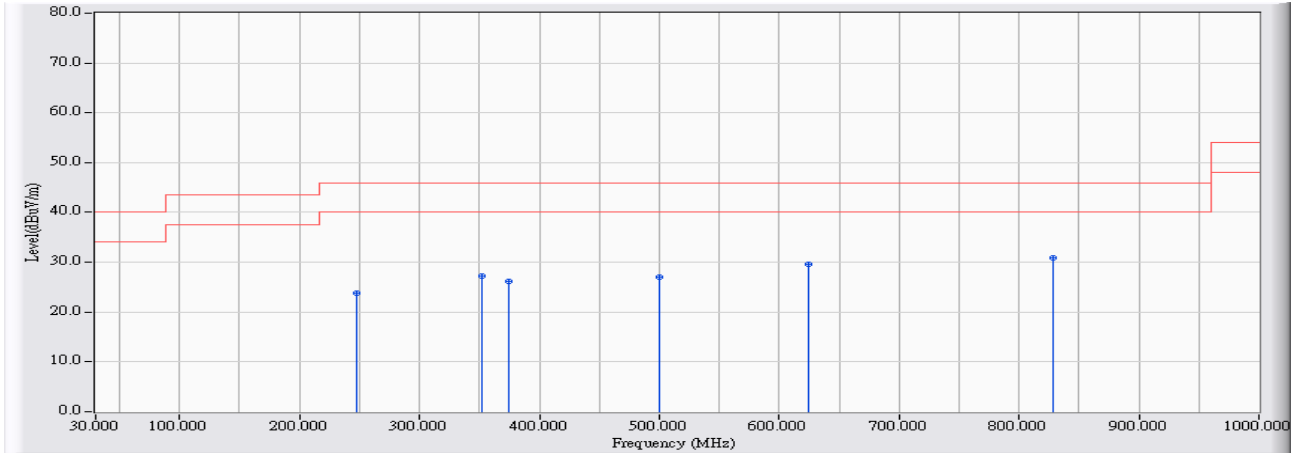


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1		206.231	12.432	9.996	22.427	-21.073	43.500	QUASPEAK
2		324.172	14.231	11.737	25.968	-20.032	46.000	QUASPEAK
3		422.811	16.507	9.257	25.764	-20.236	46.000	QUASPEAK
4		500.015	17.755	8.614	26.369	-19.631	46.000	QUASPEAK
5		615.239	19.911	8.035	27.946	-18.054	46.000	QUASPEAK
6	*	795.641	22.269	7.850	30.119	-15.881	46.000	QUASPEAK

**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.

<b>Site : CB1</b>	<b>Time : 2016/06/01 - 15:03</b>
<b>Limit : FCC_CLASS_B_03M_QP</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_30M-1G-4_9161 - HORIZONTAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 2: Transmit_2.4 PA: Richwace; ADP: ADP-33AW 802.11n(40M)_2437MHz</b>

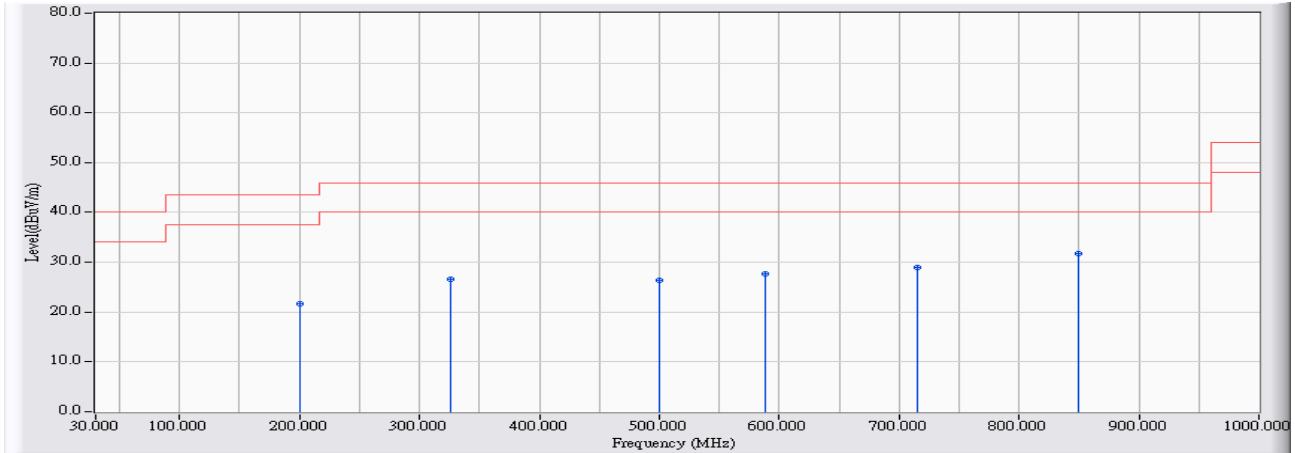


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1		247.064	12.237	11.586	23.823	-22.177	46.000	QUASPEAK
2		351.814	14.860	12.470	27.330	-18.670	46.000	QUASPEAK
3		374.995	15.391	10.700	26.091	-19.909	46.000	QUASPEAK
4		500.015	17.755	9.267	27.022	-18.978	46.000	QUASPEAK
5		624.939	20.043	9.497	29.539	-16.461	46.000	QUASPEAK
6	*	828.230	22.643	8.256	30.898	-15.102	46.000	QUASPEAK

**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.

<b>Site : CB1</b>	<b>Time : 2016/06/01 - 15:08</b>
<b>Limit : FCC_CLASS_B_03M_QP</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_30M-1G-4_9161 - VERTICAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 2: Transmit_2.4 PA: Richwace; ADP: ADP-33AW 802.11n(40M)_2437MHz</b>



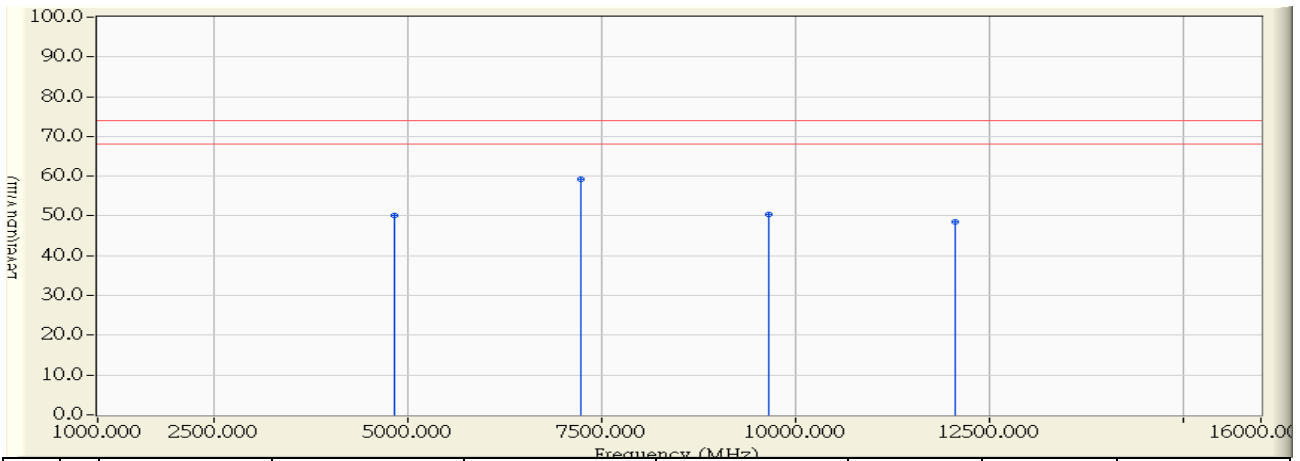
		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1		200.218	12.514	9.092	21.606	-21.894	43.500	QUASPEAK
2		325.820	14.269	12.321	26.590	-19.410	46.000	QUASPEAK
3		500.015	17.755	8.639	26.394	-19.606	46.000	QUASPEAK
4		588.082	19.471	8.130	27.601	-18.399	46.000	QUASPEAK
5		715.527	21.258	7.731	28.989	-17.011	46.000	QUASPEAK
6	*	849.956	22.888	8.866	31.754	-14.246	46.000	QUASPEAK

**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**

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 05:19</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - HORIZONTAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11b_2412MHz</b>



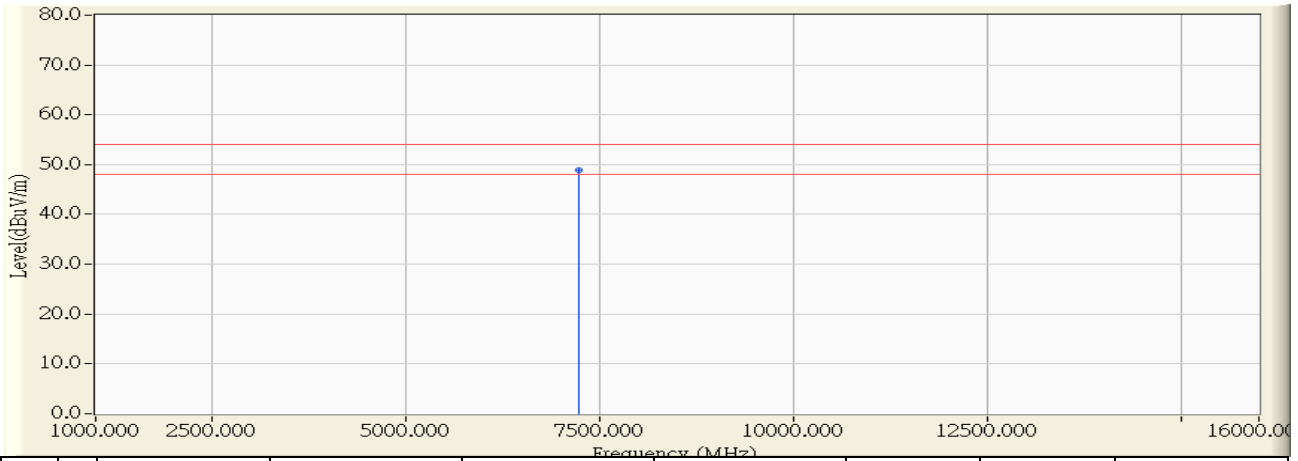
	<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1	4824.000	-4.200	54.420	50.220	-23.780	74.000	PEAK
2	* 7236.000	5.626	53.650	59.276	-14.724	74.000	PEAK
3	9648.000	7.327	42.990	50.317	-23.683	74.000	PEAK
4	12057.000	9.066	39.360	48.427	-25.573	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.



<b>Site : CB1</b>	<b>Time : 2016/07/01 - 05:20</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - HORIZONTAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11b_2412MHz</b>

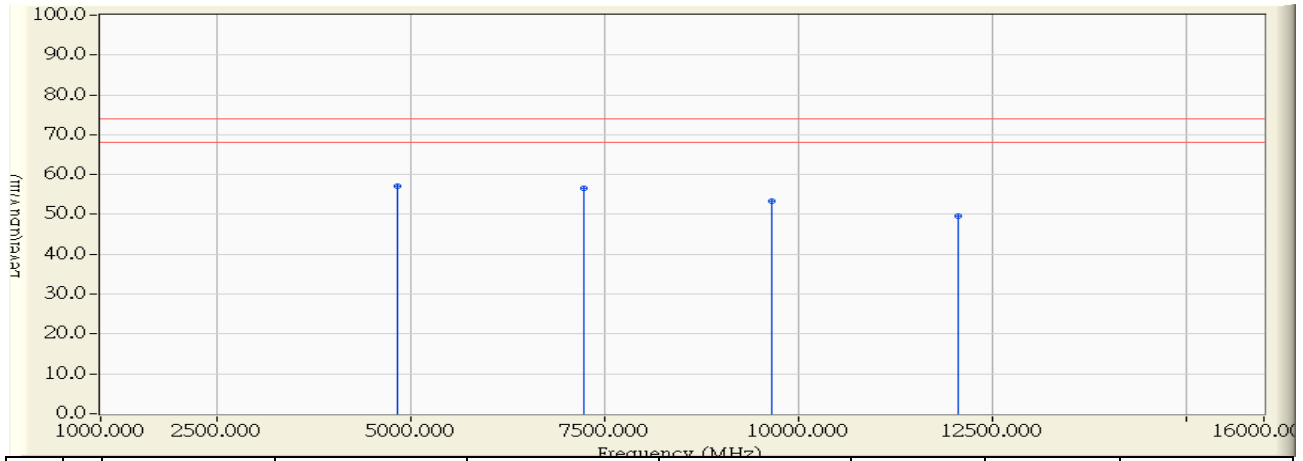


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1	*	7235.000	5.624	43.300	48.924	-5.076	54.000	AVERAGE

**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.

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 05:27</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - VERTICAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11b_2412MHz</b>

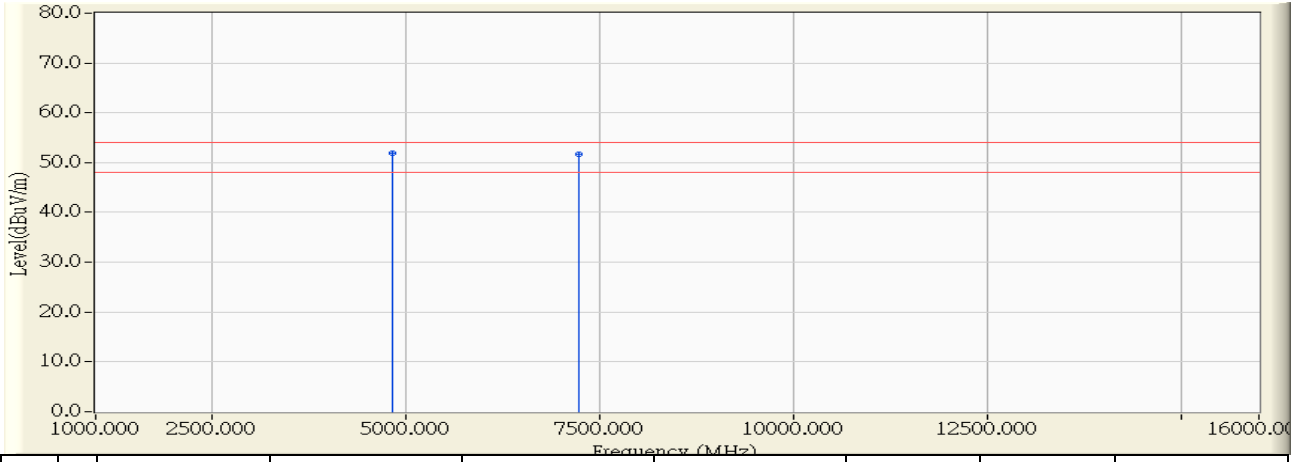


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1	*	4824.000	-3.303	60.330	57.027	-16.973	74.000	PEAK
2		7236.000	5.126	51.440	56.566	-17.434	74.000	PEAK
3		9648.000	6.830	46.620	53.449	-20.551	74.000	PEAK
4		12058.000	8.639	40.840	49.480	-24.520	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.

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 05:32</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - VERTICAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11b_2412MHz</b>

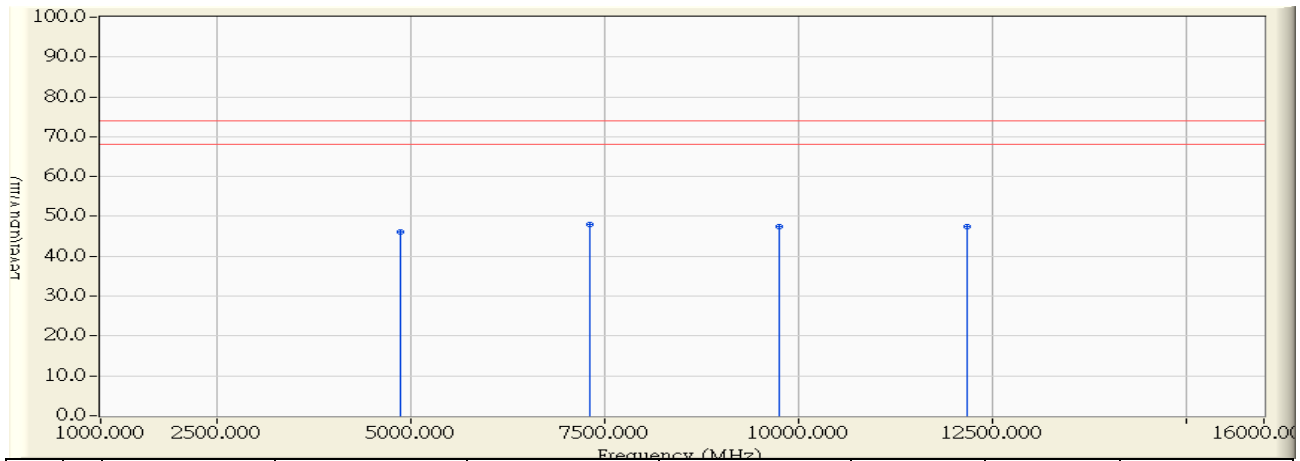


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1	*	4824.000	-3.303	55.220	51.917	-2.083	54.000	AVERAGE
2		7235.000	5.124	46.580	51.704	-2.296	54.000	AVERAGE

**Note:**

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

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 05:59</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - HORIZONTAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11b_2437MHz</b>

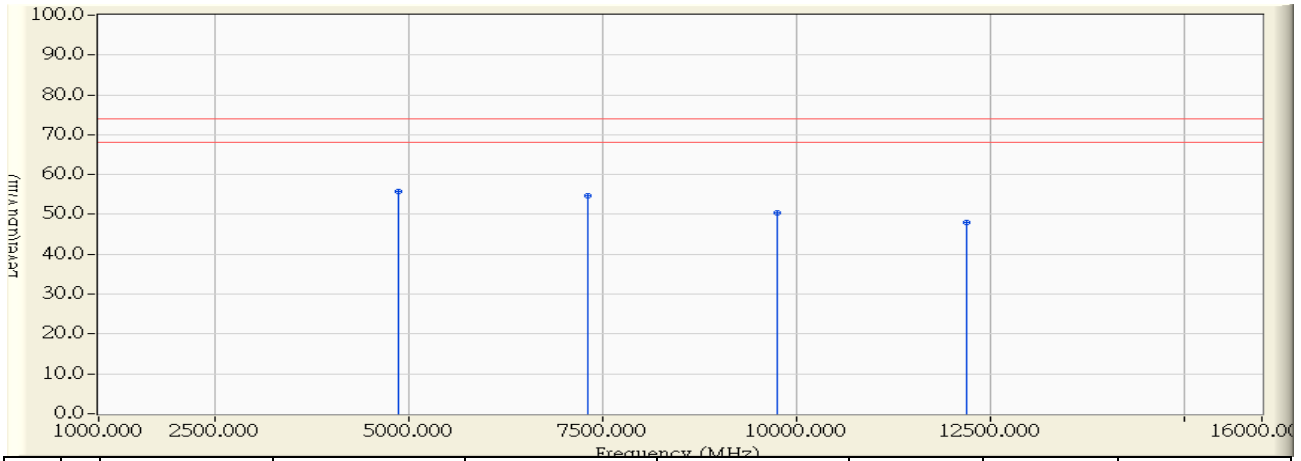


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4873.000	-4.118	50.270	46.152	-27.848	74.000	PEAK
2	* 7309.000	5.770	42.330	48.100	-25.900	74.000	PEAK
3	9748.000	7.788	39.710	47.498	-26.502	74.000	PEAK
4	12179.000	8.800	38.550	47.349	-26.651	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.

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 05:48</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - VERTICAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11b_2437MHz</b>

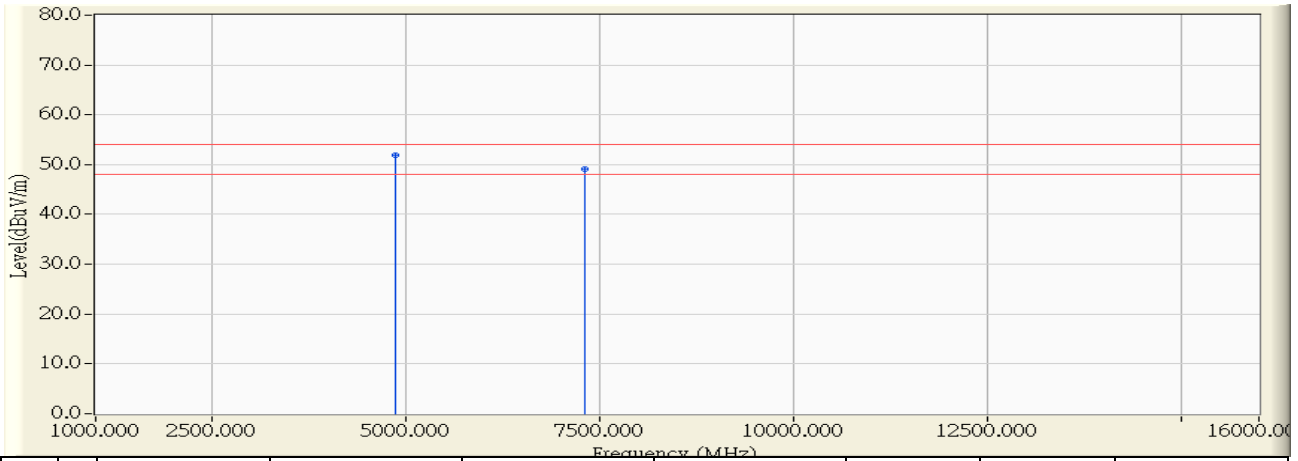


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1	*	4874.000	-3.344	59.210	55.866	-18.134	74.000	PEAK
2		7311.000	5.273	49.380	54.653	-19.347	74.000	PEAK
3		9748.000	7.141	43.160	50.301	-23.699	74.000	PEAK
4		12184.000	8.489	39.520	48.009	-25.991	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.

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 05:49</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - VERTICAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11b_2437MHz</b>

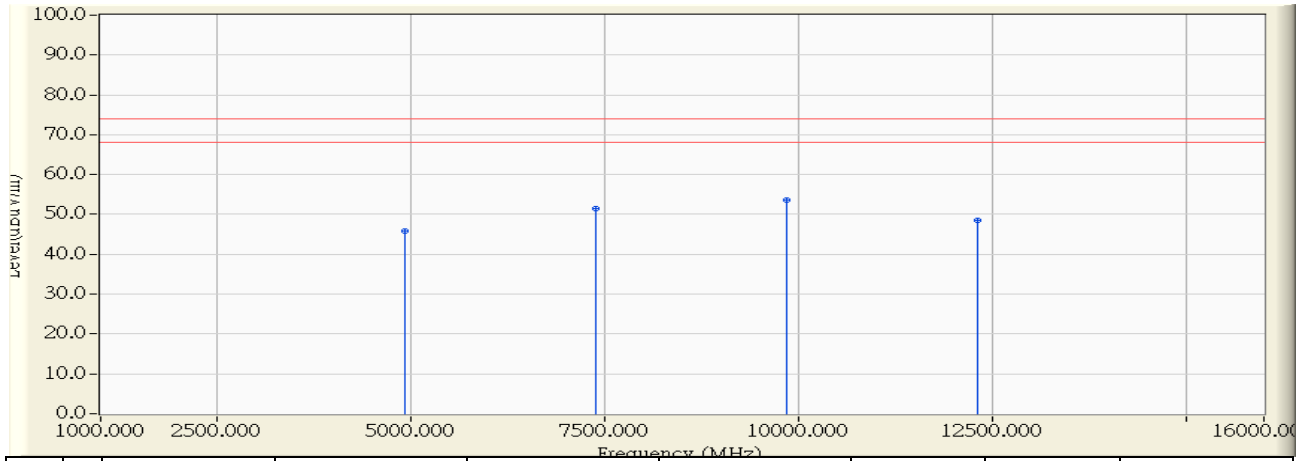


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1	*	4874.000	-3.344	55.330	51.986	-2.014	54.000	AVERAGE
2		7310.000	5.272	43.910	49.182	-4.818	54.000	AVERAGE

**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.

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 06:15</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - HORIZONTAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11b_2462MHz</b>

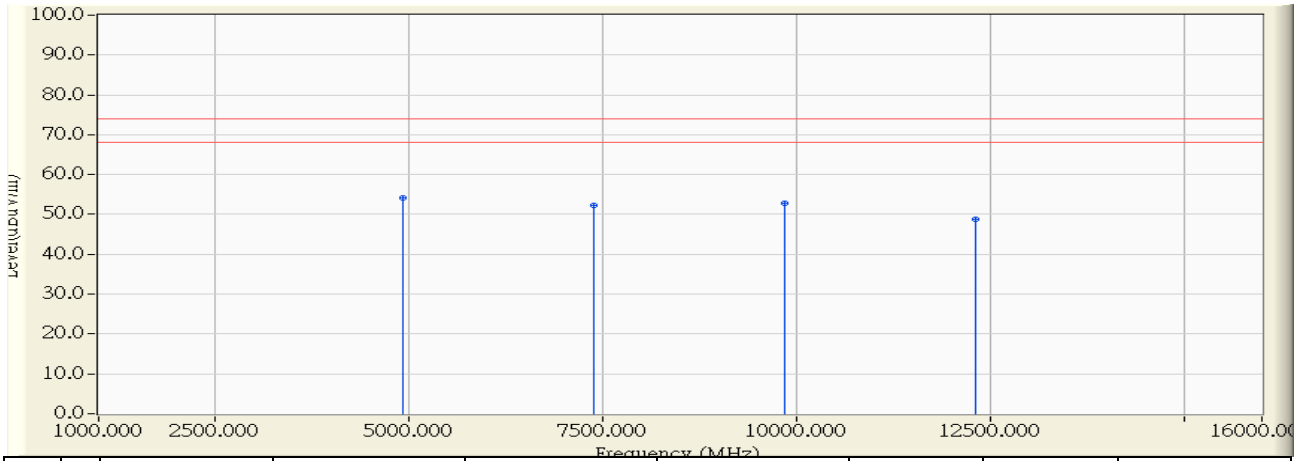


	<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1	4924.000	-4.032	50.010	45.978	-28.022	74.000	PEAK
2	7386.000	5.921	45.440	51.361	-22.639	74.000	PEAK
3	* 9848.000	8.250	45.430	53.680	-20.320	74.000	PEAK
4	12310.000	8.513	39.900	48.412	-25.588	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.
7. The Emission above 18GHz were not included is because their levels are too low.

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 06:03</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - VERTICAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11b_2462MHz</b>



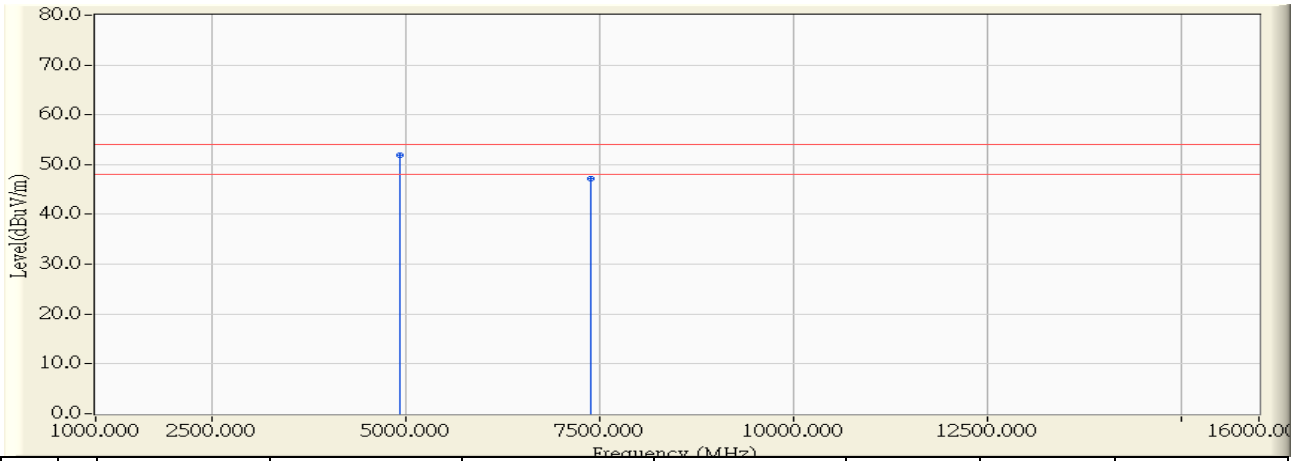
		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1	*	4924.000	-3.385	57.550	54.165	-19.835	74.000	PEAK
2		7386.000	5.421	46.940	52.361	-21.639	74.000	PEAK
3		9848.000	7.453	45.270	52.722	-21.278	74.000	PEAK
4		12308.000	8.342	40.380	48.722	-25.278	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.



<b>Site : CB1</b>	<b>Time : 2016/07/01 - 06:04</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - VERTICAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11b_2462MHz</b>

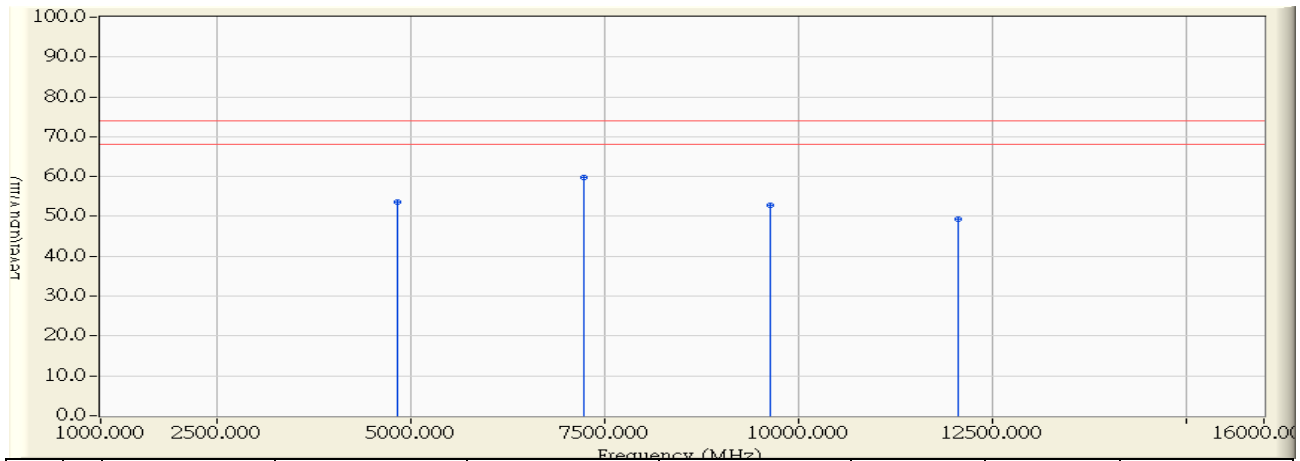


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1	*	4924.000	-3.385	55.380	51.995	-2.005	54.000	AVERAGE
2		7385.000	5.420	41.660	47.079	-6.921	54.000	AVERAGE

**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.

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 06:34</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - HORIZONTAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11g_2412MHz</b>

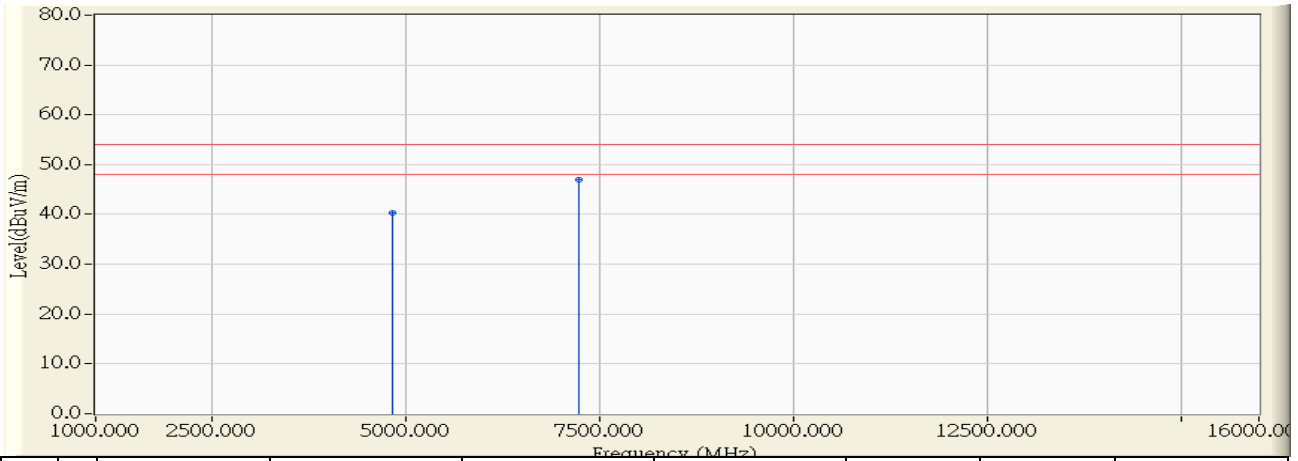


	<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBμV)</b>	<b>Measure Level (dBμV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBμV/m)</b>	<b>Detector Type</b>
1	4821.000	-4.206	57.950	53.744	-20.256	74.000	PEAK
2	* 7231.000	5.616	54.190	59.806	-14.194	74.000	PEAK
3	9638.000	7.280	45.550	52.830	-21.170	74.000	PEAK
4	12066.000	9.046	40.180	49.227	-24.773	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.

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 06:34</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - HORIZONTAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11g_2412MHz</b>

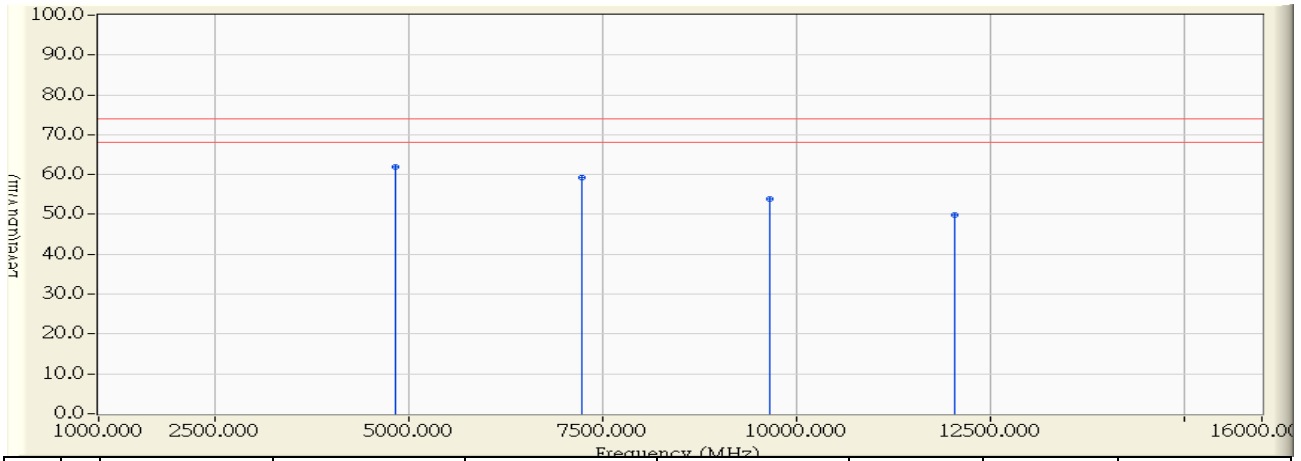


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1		4820.000	-4.207	44.470	40.263	-13.737	54.000	AVERAGE
2	*	7231.000	5.616	41.260	46.876	-7.124	54.000	AVERAGE

**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.

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 06:20</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - VERTICAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11g_2412MHz</b>

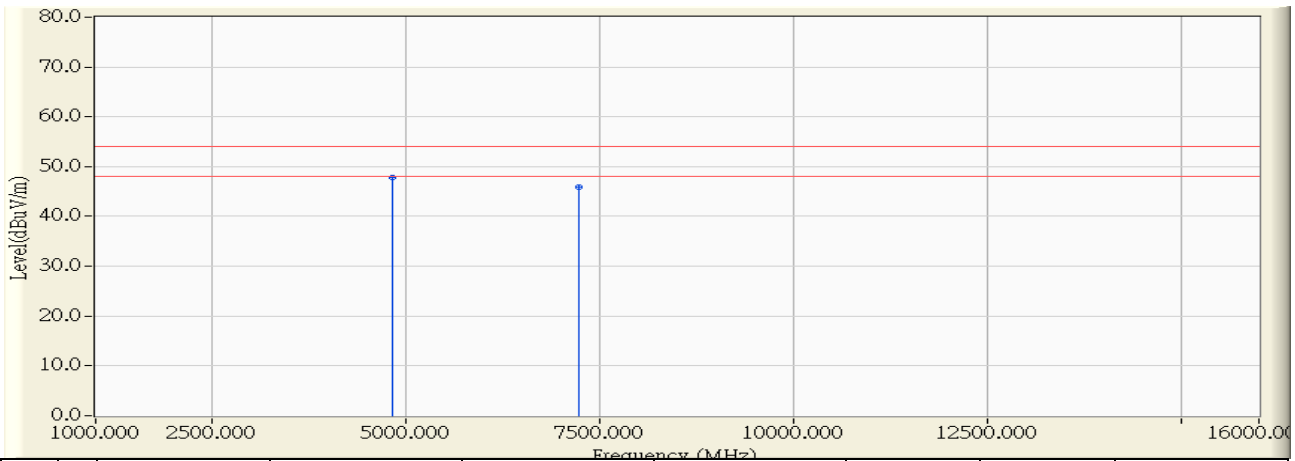


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1	*	4819.000	-3.299	65.150	61.851	-12.149	74.000	PEAK
2		7231.000	5.116	54.260	59.376	-14.624	74.000	PEAK
3		9647.000	6.827	46.950	53.776	-20.224	74.000	PEAK
4		12048.000	8.651	41.170	49.821	-24.179	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.

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 06:22</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - VERTICAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11g_2412MHz</b>

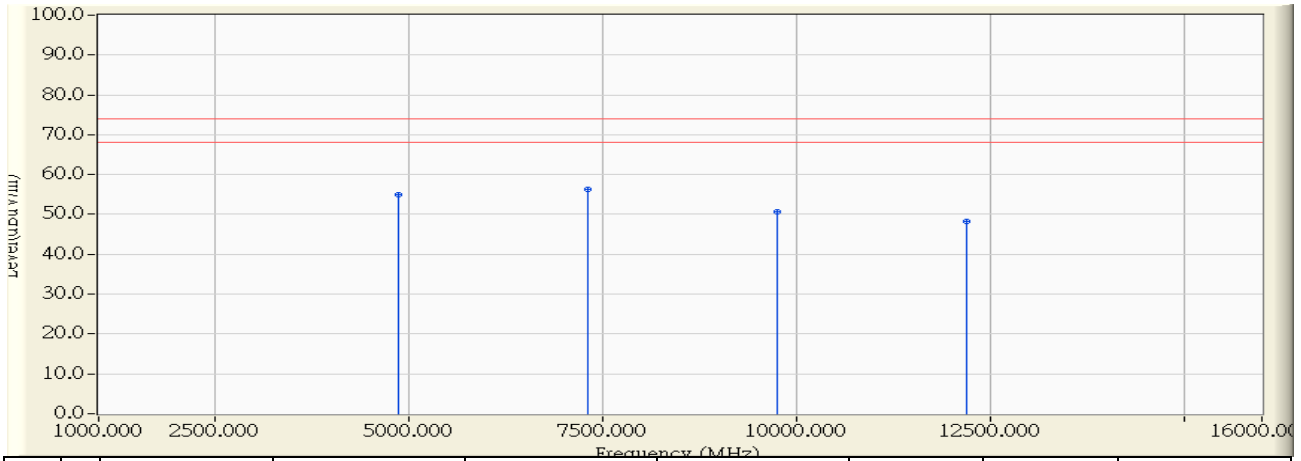


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1	*	4820.000	-3.300	51.150	47.850	-6.150	54.000	AVERAGE
2		7230.000	5.115	40.680	45.794	-8.206	54.000	AVERAGE

**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.

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 06:53</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - HORIZONTAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11g_2437MHz</b>

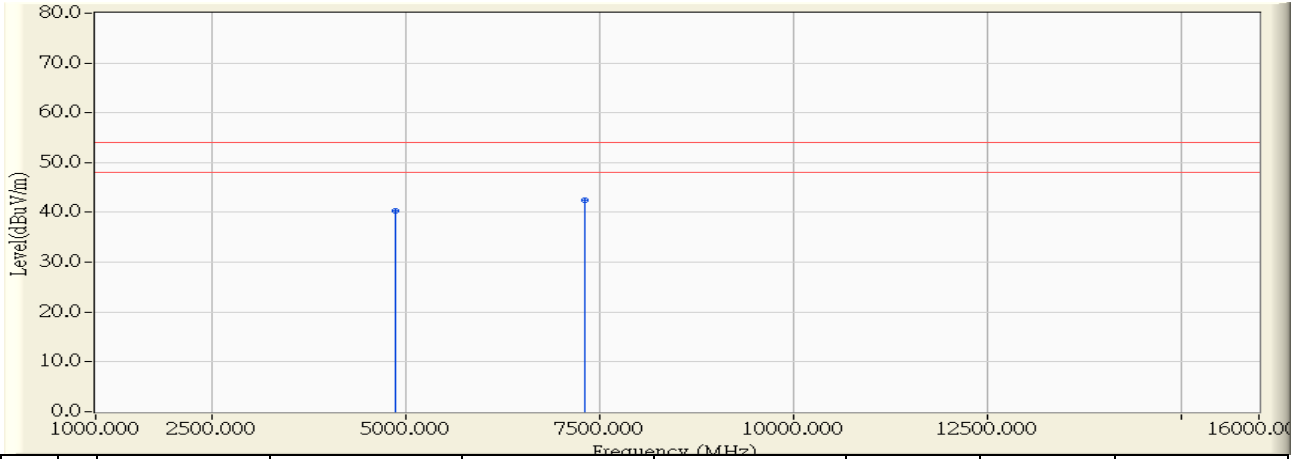


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4870.000	-4.123	59.040	54.917	-19.083	74.000	PEAK
2	* 7306.000	5.763	50.660	56.424	-17.576	74.000	PEAK
3	9744.000	7.769	42.780	50.550	-23.450	74.000	PEAK
4	12190.000	8.776	39.400	48.175	-25.825	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.

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 06:54</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - HORIZONTAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11g_2437MHz</b>

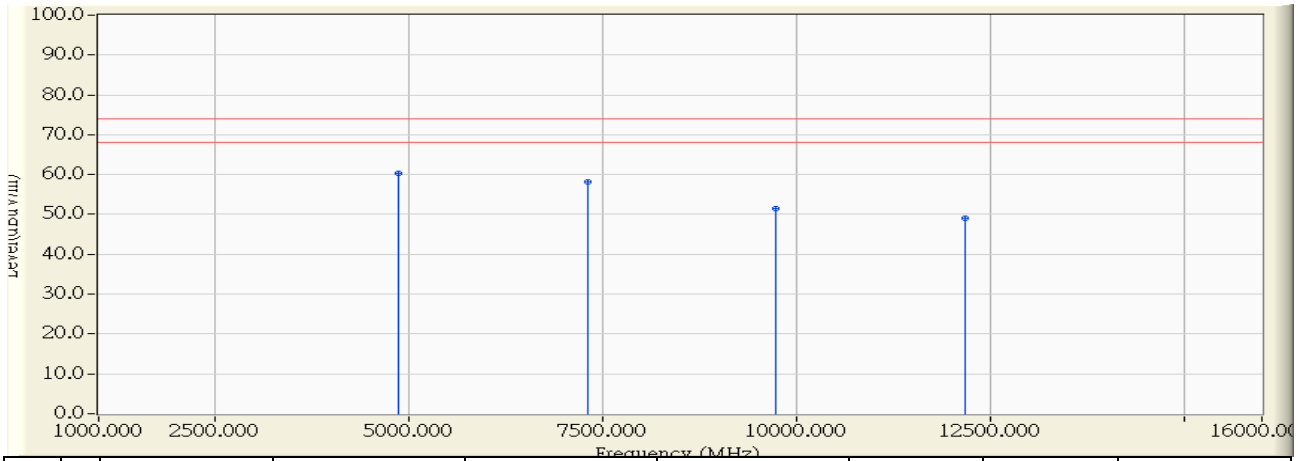


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1		4870.000	-4.123	44.410	40.287	-13.713	54.000	AVERAGE
2	*	7306.000	5.763	36.660	42.424	-11.576	54.000	AVERAGE

**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.

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 06:41</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - VERTICAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11g_2437MHz</b>



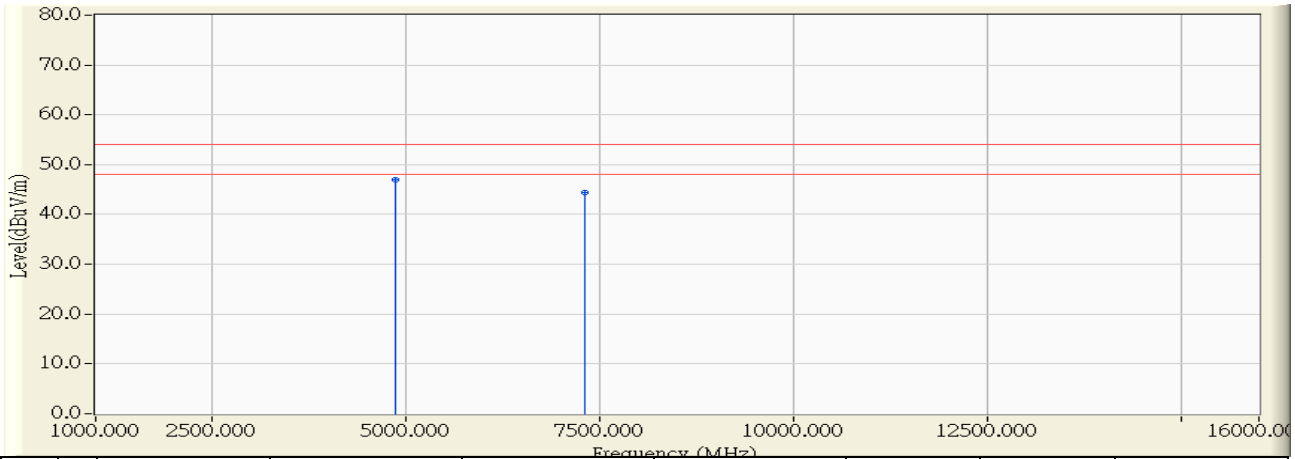
		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1	*	4870.000	-3.341	63.690	60.349	-13.651	74.000	PEAK
2		7304.000	5.260	52.820	58.080	-15.920	74.000	PEAK
3		9738.000	7.110	44.400	51.510	-22.490	74.000	PEAK
4		12179.000	8.496	40.520	49.015	-24.985	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.



<b>Site : CB1</b>	<b>Time : 2016/07/01 - 06:42</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - VERTICAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11g_2437MHz</b>

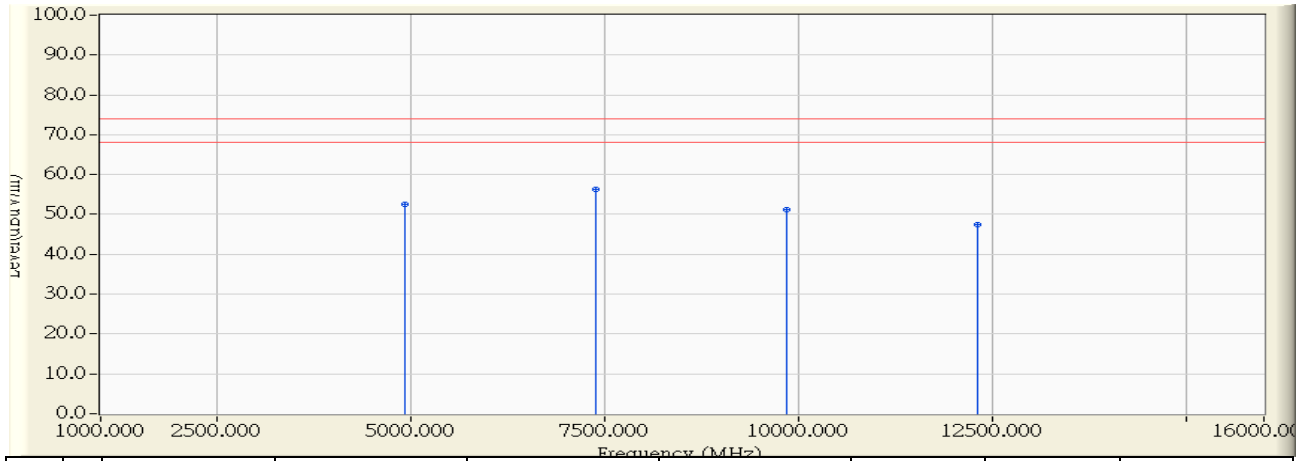


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1	*	4870.000	-3.341	50.330	46.989	-7.011	54.000	AVERAGE
2		7306.000	5.263	39.030	44.294	-9.706	54.000	AVERAGE

**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.

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 07:08</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - HORIZONTAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11g_2462MHz</b>

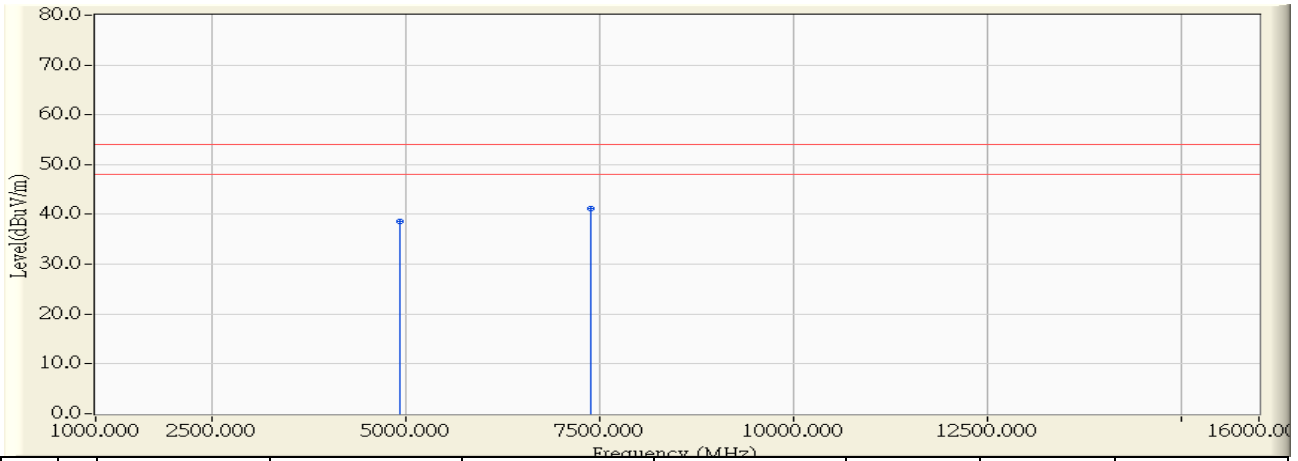


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4919.000	-4.041	56.460	52.419	-21.581	74.000	PEAK
2	* 7381.000	5.911	50.500	56.411	-17.589	74.000	PEAK
3	9852.000	8.269	42.820	51.088	-22.912	74.000	PEAK
4	12304.000	8.525	38.880	47.405	-26.595	74.000	PEAK

**Note:**

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

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 07:09</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - HORIZONTAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11g_2462MHz</b>

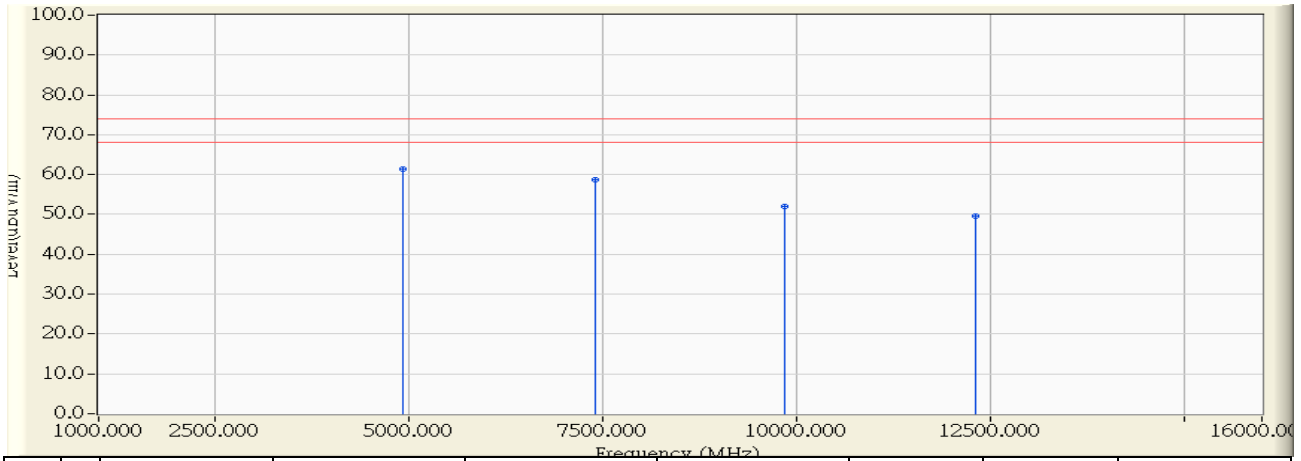


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1		4920.000	-4.039	42.610	38.571	-15.429	54.000	AVERAGE
2	*	7384.000	5.917	35.250	41.167	-12.833	54.000	AVERAGE

**Note:**

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

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 06:59</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - VERTICAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11g_2462MHz</b>

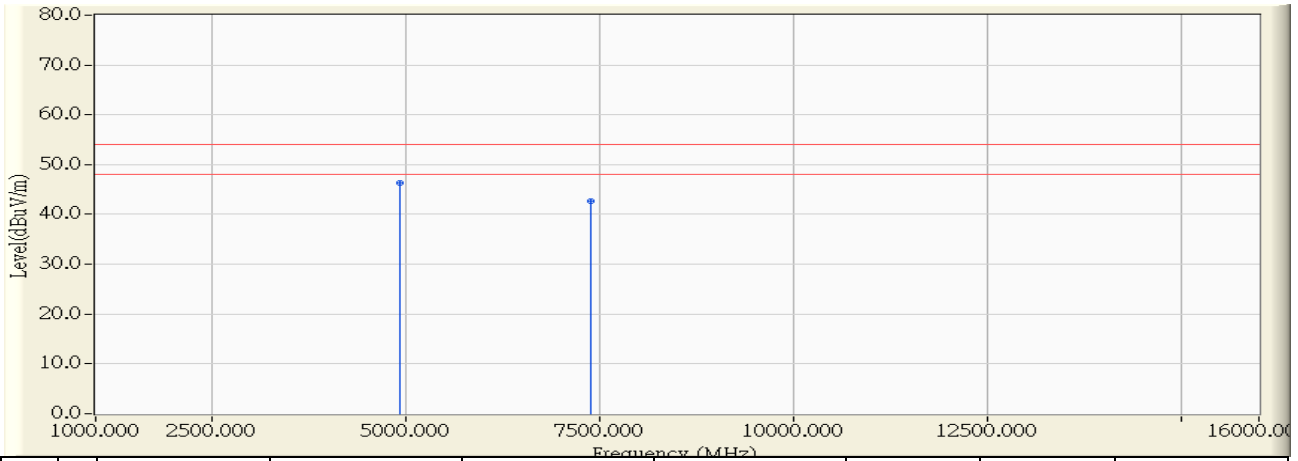


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1	*	4928.000	-3.389	64.890	61.502	-12.498	74.000	PEAK
2		7399.000	5.447	53.310	58.757	-15.243	74.000	PEAK
3		9846.000	7.446	44.670	52.116	-21.884	74.000	PEAK
4		12307.000	8.342	41.290	49.633	-24.367	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.

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 06:59</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - VERTICAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11g_2462MHz</b>

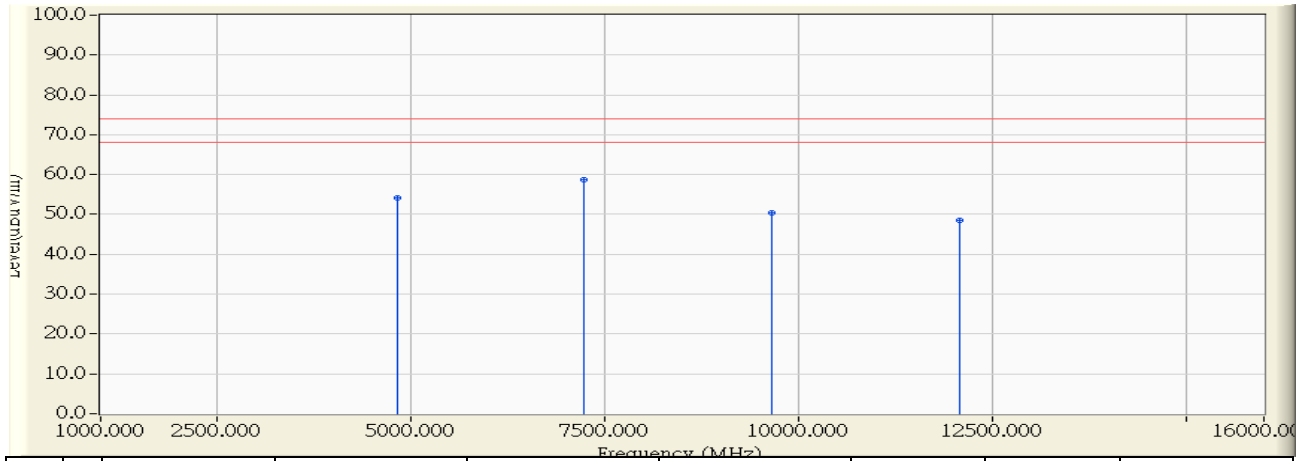


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1	*	4919.000	-3.381	49.740	46.359	-7.641	54.000	AVERAGE
2		7390.000	5.429	37.220	42.649	-11.351	54.000	AVERAGE

**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.

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 07:25</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - HORIZONTAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(20M)_2412MHz</b>

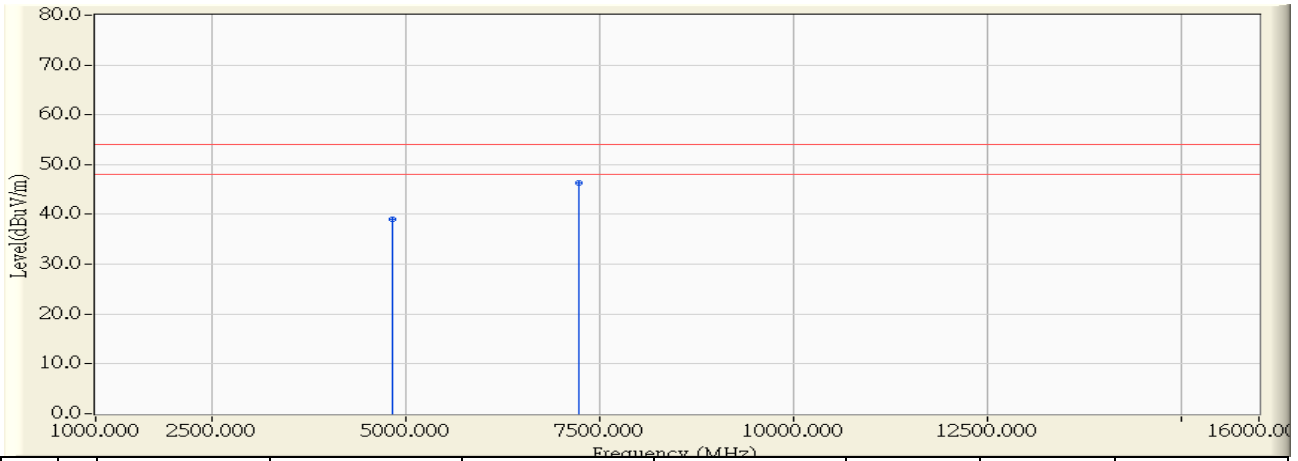


	<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1	4825.000	-4.199	58.380	54.181	-19.819	74.000	PEAK
2	* 7222.000	5.598	53.070	58.668	-15.332	74.000	PEAK
3	9649.000	7.331	42.990	50.321	-23.679	74.000	PEAK
4	12081.000	9.014	39.520	48.534	-25.466	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.

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 07:25</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - HORIZONTAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(20M)_2412MHz</b>

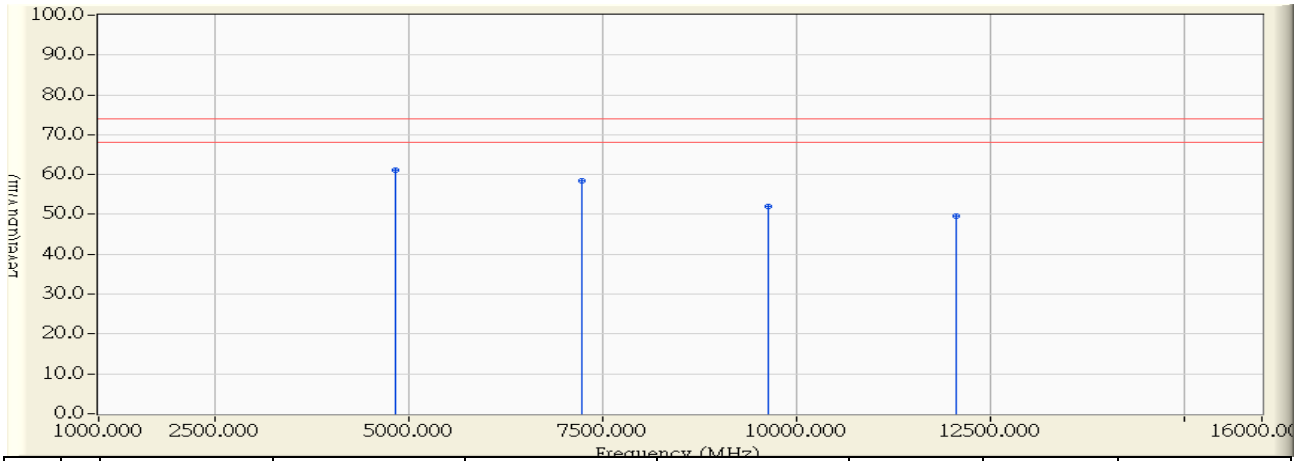


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1		4825.000	-4.199	43.150	38.951	-15.049	54.000	AVERAGE
2	*	7237.000	5.628	40.660	46.288	-7.712	54.000	AVERAGE

**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.

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 07:14</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - VERTICAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(20M)_2412MHz</b>



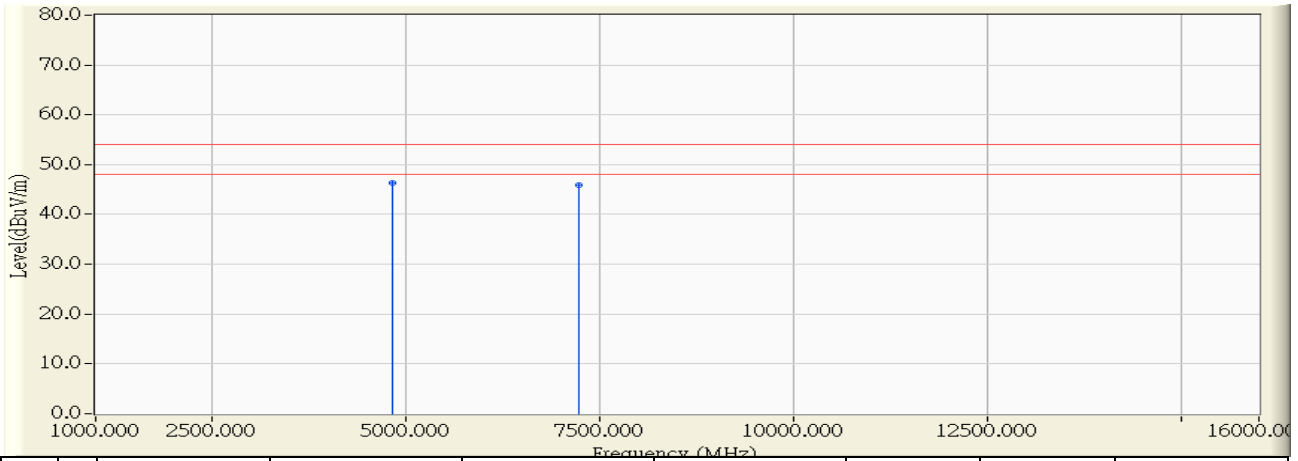
		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1	*	4820.000	-3.300	64.500	61.200	-12.800	74.000	PEAK
2		7231.000	5.116	53.210	58.326	-15.674	74.000	PEAK
3		9638.000	6.797	45.090	51.888	-22.112	74.000	PEAK
4		12061.000	8.636	40.920	49.556	-24.444	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.



<b>Site : CB1</b>	<b>Time : 2016/07/01 - 07:14</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - VERTICAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(20M)_2412MHz</b>

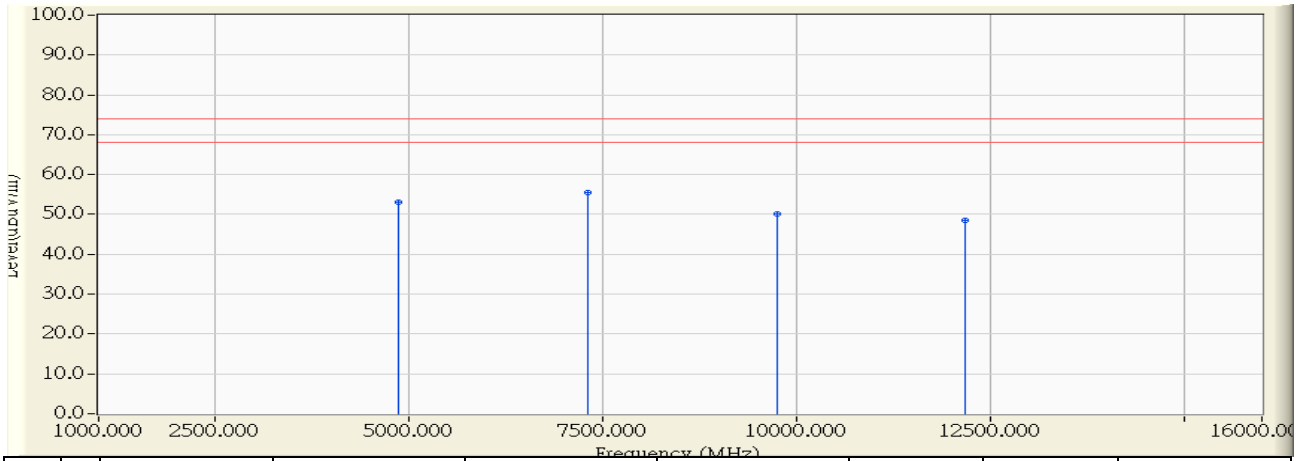


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1	*	4823.000	-3.302	49.690	46.388	-7.612	54.000	AVERAGE
2		7235.000	5.124	40.880	46.004	-7.996	54.000	AVERAGE

**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.
7. The Emission above 18GHz were not included is because their levels are too low.

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 07:41</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - HORIZONTAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(20M)_2437MHz</b>

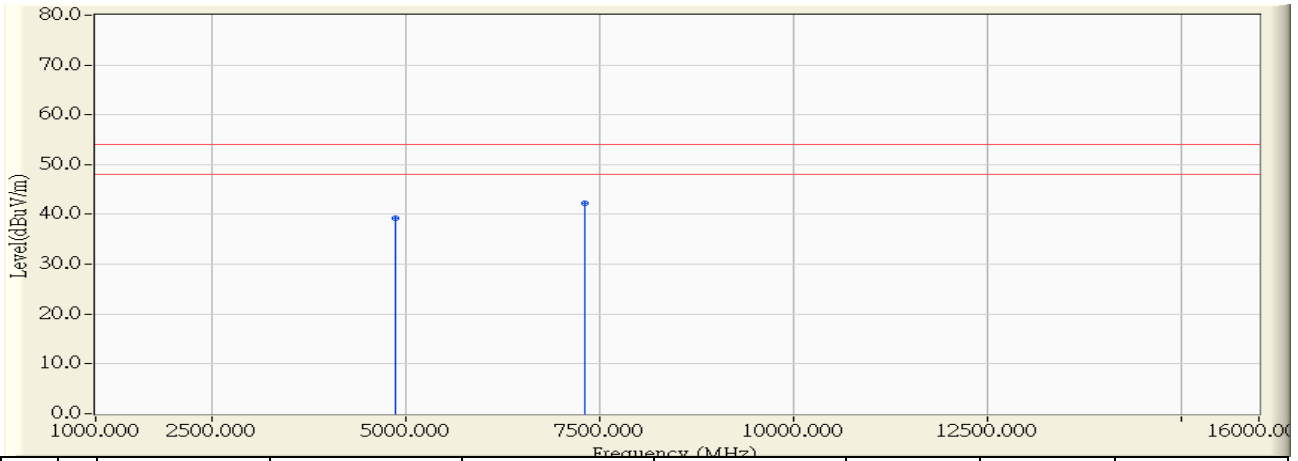


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4875.000	-4.115	57.280	53.165	-20.835	74.000	PEAK
2	* 7307.000	5.765	49.670	55.436	-18.564	74.000	PEAK
3	9748.000	7.788	42.220	50.008	-23.992	74.000	PEAK
4	12182.000	8.793	39.660	48.453	-25.547	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.

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 07:43</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - HORIZONTAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(20M)_2437MHz</b>

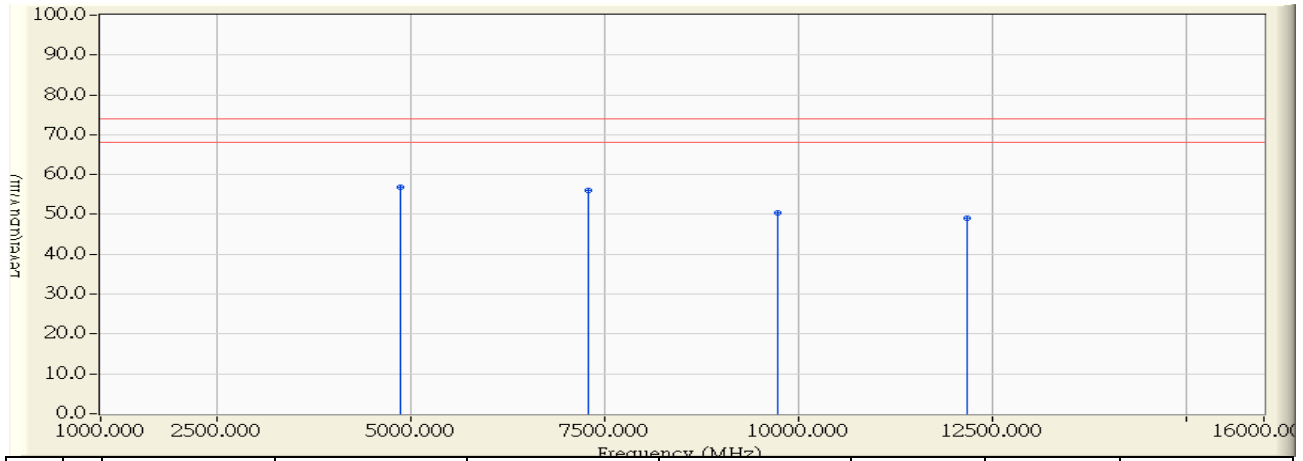


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1		4875.000	-4.115	43.330	39.215	-14.785	54.000	AVERAGE
2	*	7306.000	5.763	36.440	42.204	-11.796	54.000	AVERAGE

**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.

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 07:31</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - VERTICAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(20M)_2437MHz</b>

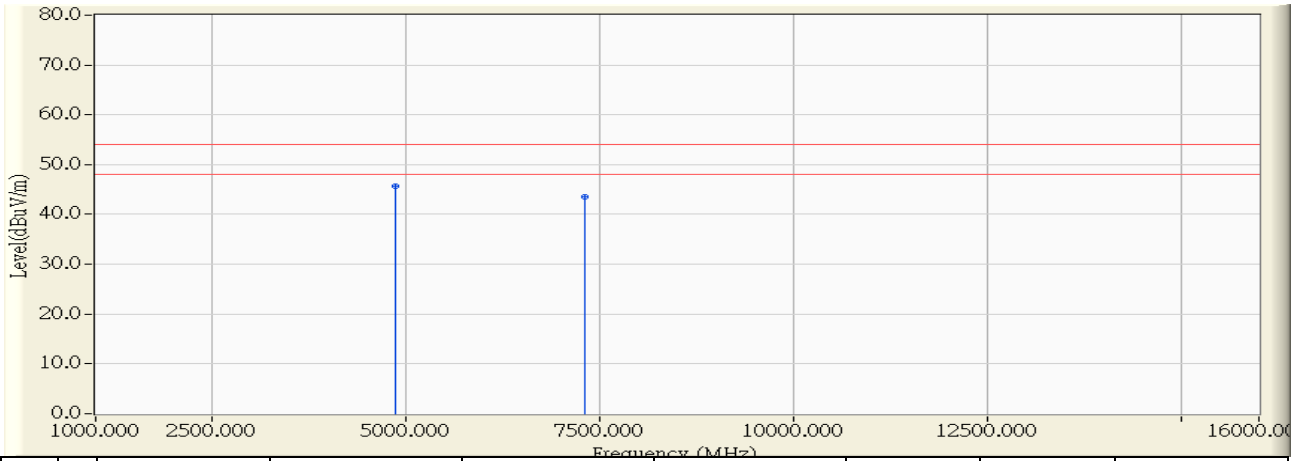


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1	*	4875.000	-3.345	60.310	56.965	-17.035	74.000	PEAK
2		7296.000	5.244	50.860	56.104	-17.896	74.000	PEAK
3		9739.000	7.112	43.360	50.473	-23.527	74.000	PEAK
4		12176.000	8.498	40.550	49.049	-24.951	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.

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 07:31</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - VERTICAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(20M)_2437MHz</b>

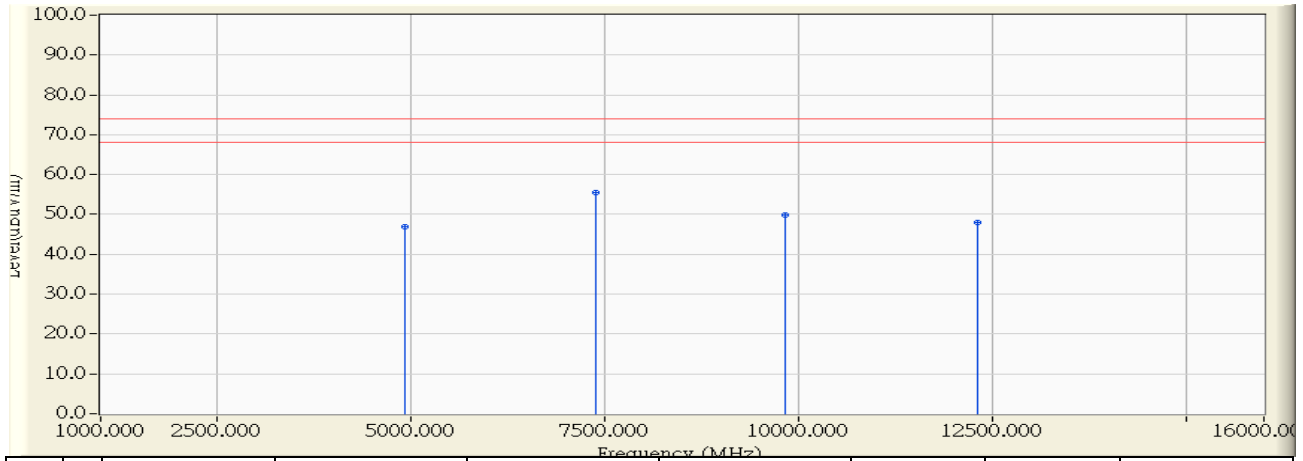


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1	*	4872.000	-3.342	48.990	45.648	-8.352	54.000	AVERAGE
2		7306.000	5.263	38.380	43.644	-10.356	54.000	AVERAGE

**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.

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 07:51</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - HORIZONTAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(20M)_2462MHz</b>

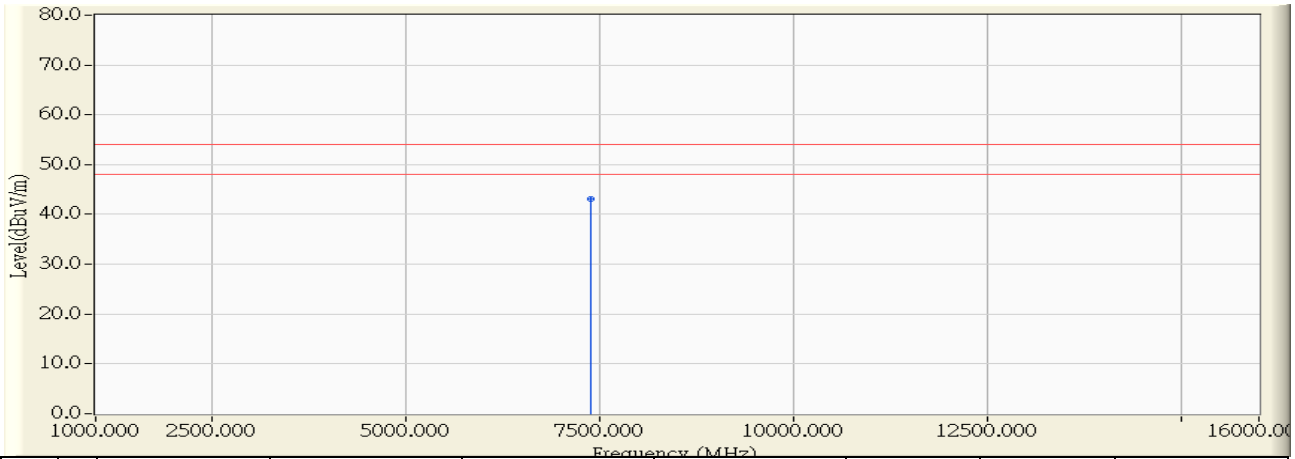


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1	*	4925.000	-3.386	50.330	46.944	-7.056	54.000	PEAK
2		7390.000	5.929	49.550	55.479	-18.521	74.000	PEAK
3		9836.000	8.195	41.550	49.744	-24.256	74.000	PEAK
4		12308.000	8.516	39.440	47.957	-26.043	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.

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 07:52</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - HORIZONTAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(20M)_2462MHz</b>

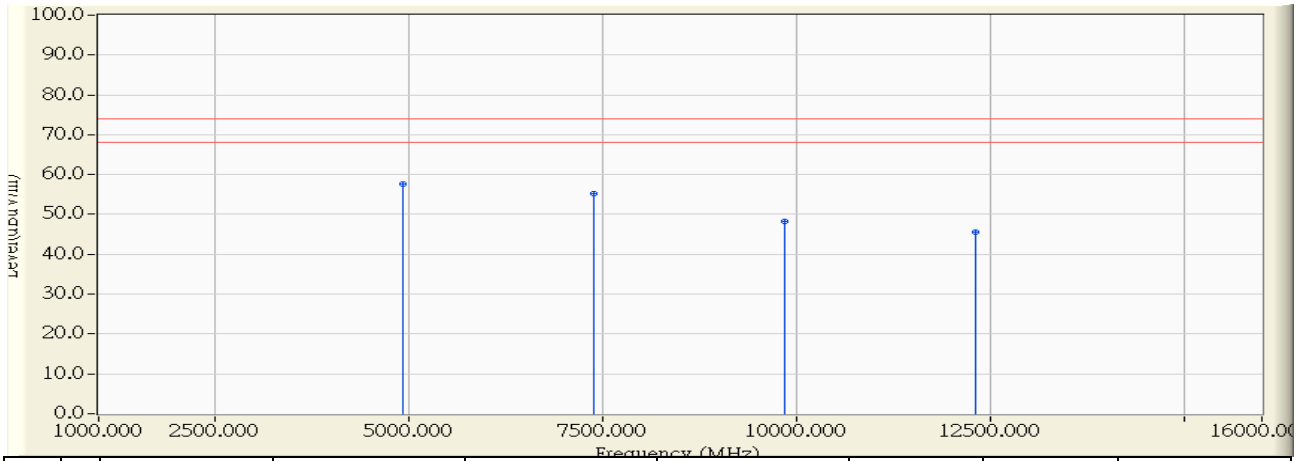


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1	*	7386.000	5.921	37.220	43.141	-10.859	54.000	AVERAGE

**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.

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 07:46</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - VERTICAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(20M)_2462MHz</b>



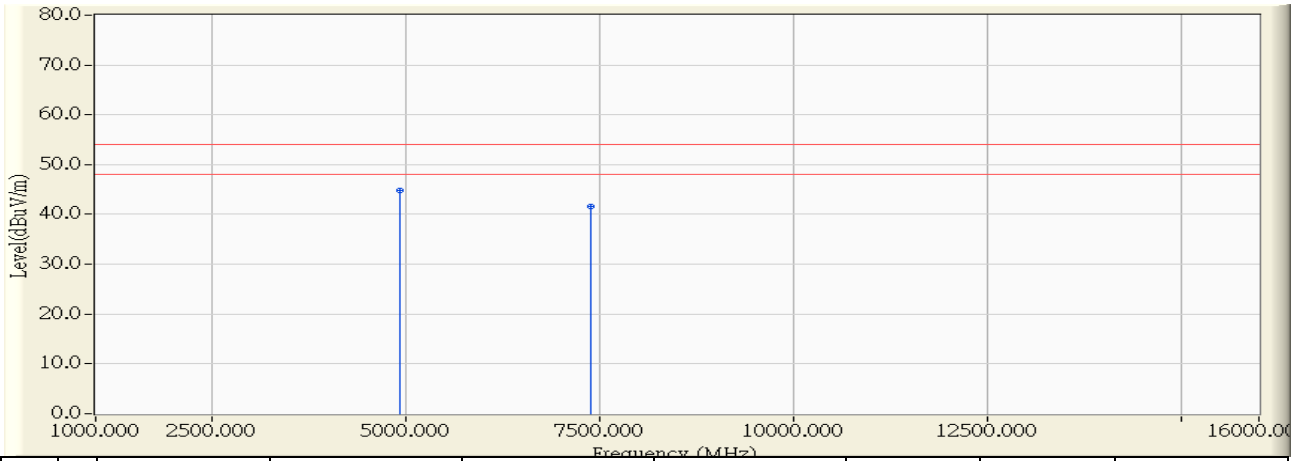
		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1	*	4925.000	-3.386	61.080	57.694	-16.306	74.000	PEAK
2		7390.000	5.429	49.880	55.309	-18.691	74.000	PEAK
3		9843.000	7.437	40.940	48.377	-25.623	74.000	PEAK
4		12314.000	8.335	37.330	45.664	-28.336	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.



<b>Site : CB1</b>	<b>Time : 2016/07/01 - 07:47</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - VERTICAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(20M)_2462MHz</b>

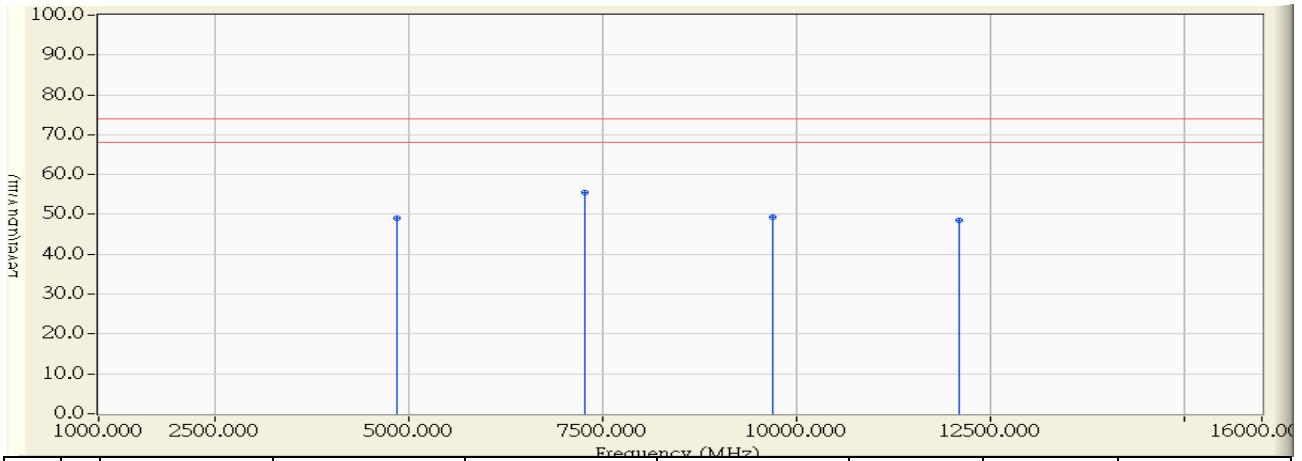


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1	*	4925.000	-3.386	48.130	44.744	-9.256	54.000	AVERAGE
2		7390.000	5.429	36.120	41.549	-12.451	54.000	AVERAGE

**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.

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 07:59</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - HORIZONTAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(40M)_2422MHz</b>

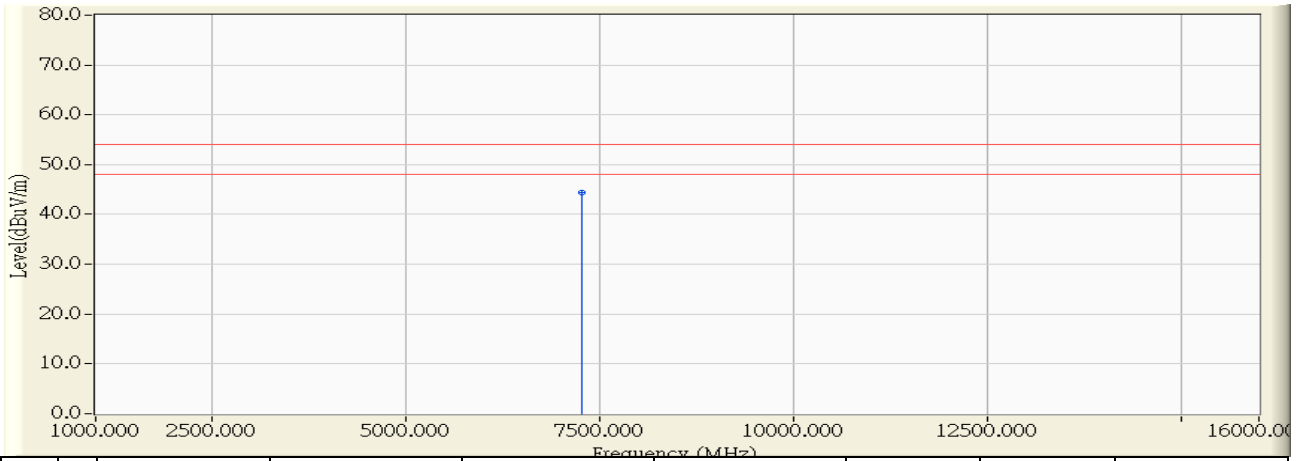


	<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1	4840.000	-4.174	53.330	49.156	-24.844	74.000	PEAK
2	7266.000	5.685	49.880	55.565	-18.435	74.000	PEAK
3	* 9689.000	6.956	42.330	49.287	-4.713	54.000	PEAK
4	12104.000	8.585	39.880	48.465	-5.535	54.000	PEAK

**Note:**

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

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 08:00</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - HORIZONTAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(40M)_2422MHz</b>

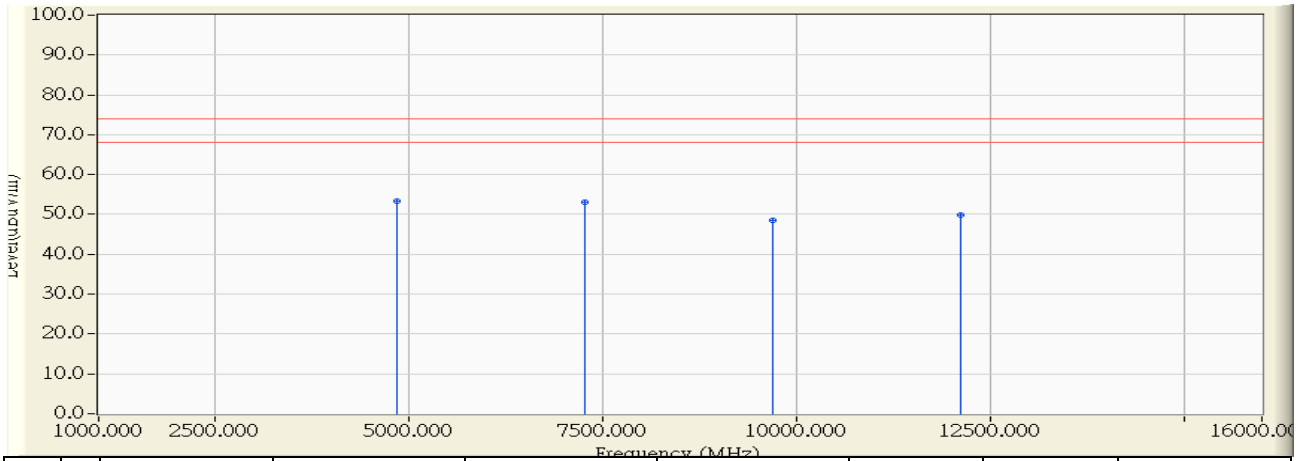


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1	*	7261.000	5.675	38.750	44.425	-9.575	54.000	AVERAGE

**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.

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 07:56</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - VERTICAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(40M)_2422MHz</b>

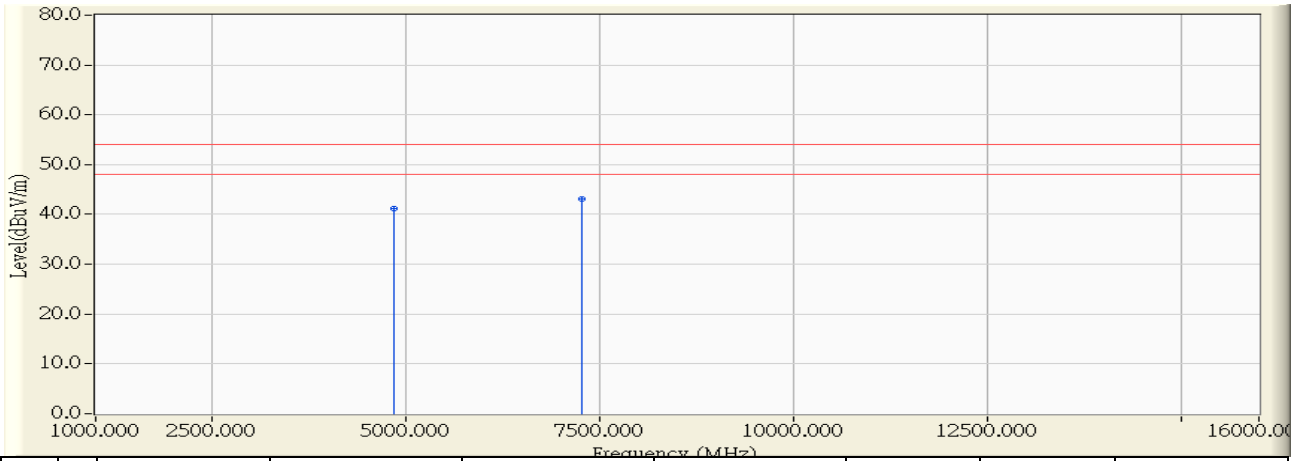


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1	*	4846.000	-3.320	56.590	53.269	-20.731	74.000	PEAK
2		7260.000	5.174	47.820	52.993	-21.007	74.000	PEAK
3		9683.000	6.938	41.720	48.658	-25.342	74.000	PEAK
4		12107.000	8.581	41.330	49.911	-24.089	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.

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 07:57</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - VERTICAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(40M)_2422MHz</b>

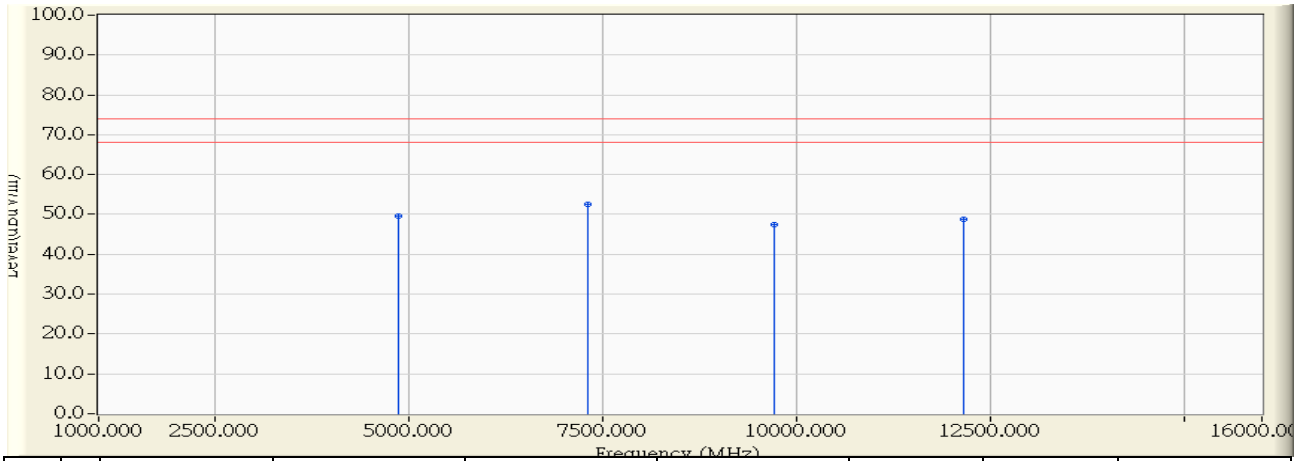


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1		4838.000	-3.314	44.560	41.246	-12.754	54.000	AVERAGE
2	*	7260.000	5.174	37.880	43.053	-10.947	54.000	AVERAGE

**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.

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 08:10</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - HORIZONTAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(40M)_2437MHz</b>

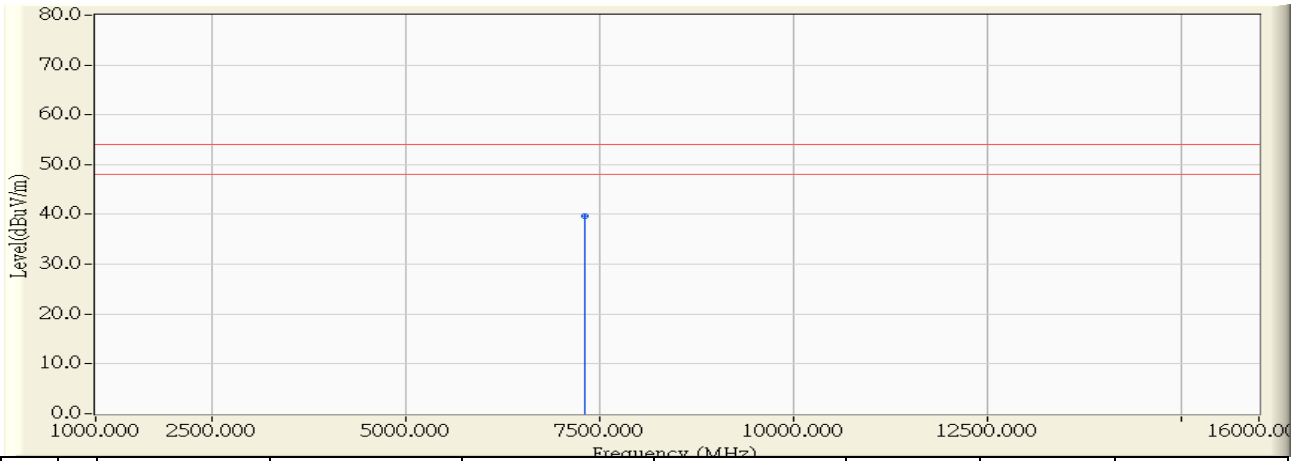


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4875.000	-4.115	53.660	49.545	-24.455	74.000	PEAK
2	* 7301.000	5.753	46.770	52.524	-21.476	74.000	PEAK
3	9702.000	7.576	39.880	47.456	-26.544	74.000	PEAK
4	12148.000	8.867	39.880	48.747	-25.253	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.

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 08:11</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - HORIZONTAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(40M)_2437MHz</b>

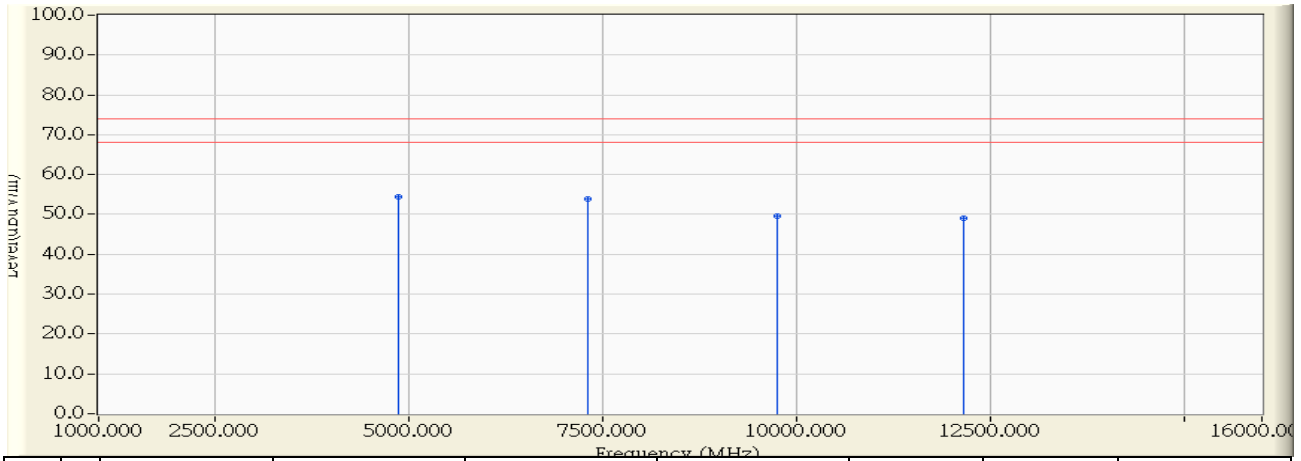


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1	*	7301.000	5.753	33.880	39.634	-14.366	54.000	AVERAGE

**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.

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 08:03</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - VERTICAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(40M)_2437MHz</b>



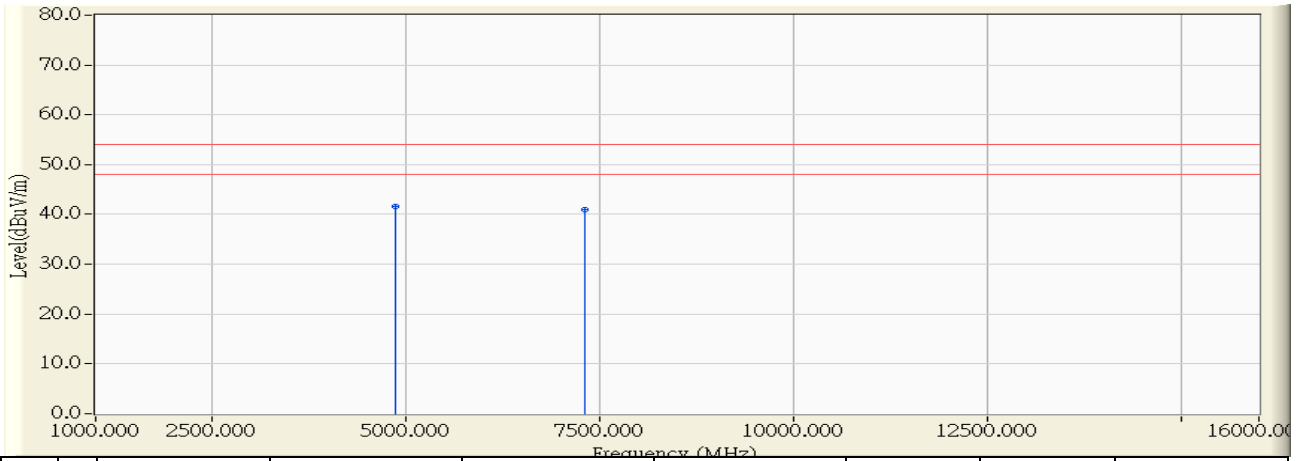
	<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1	4870.000	-3.341	57.820	54.479	-19.521	74.000	PEAK
2	7310.000	5.272	48.660	53.932	-20.068	74.000	PEAK
3	* 9743.000	7.765	41.770	49.535	-4.465	54.000	PEAK
4	12160.000	8.842	40.330	49.171	-4.829	54.000	PEAK

**Note:**

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



<b>Site : CB1</b>	<b>Time : 2016/07/01 - 08:06</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - VERTICAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(40M)_2437MHz</b>

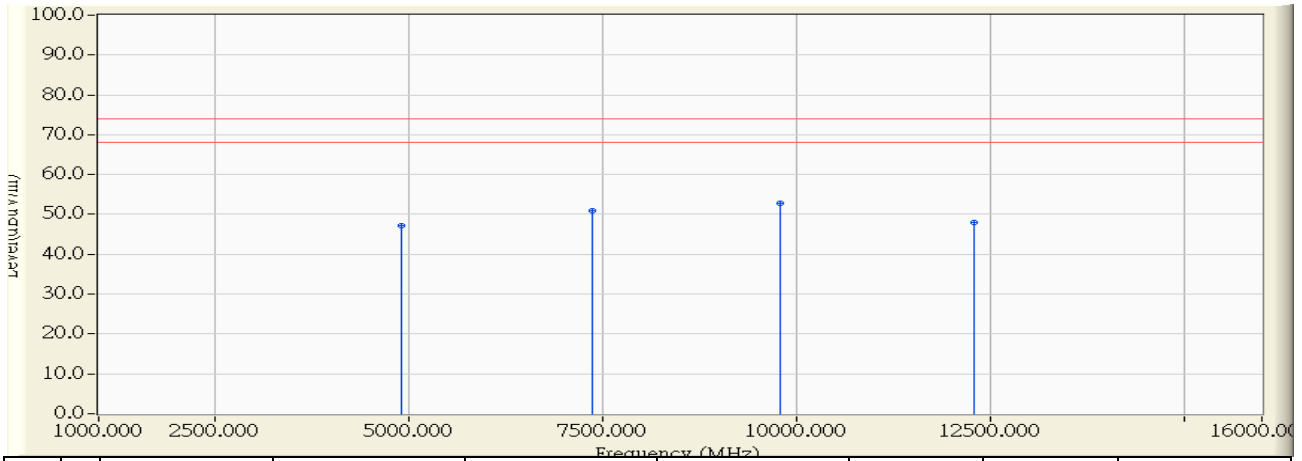


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1		4875.000	-3.345	44.900	41.555	-12.445	54.000	AVERAGE
2	*	7301.000	5.253	35.640	40.894	-13.106	54.000	AVERAGE

**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.

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 08:20</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - HORIZONTAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(40M)_2452MHz</b>

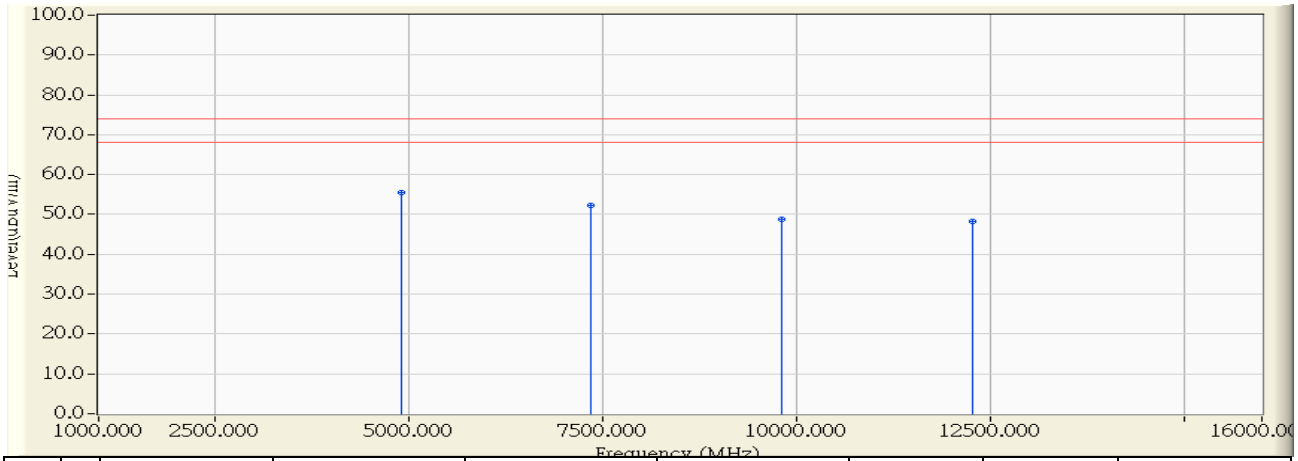


	<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1	4900.000	-4.073	51.330	47.257	-26.743	74.000	PEAK
2	7359.000	5.868	45.110	50.978	-23.022	74.000	PEAK
3	* 9791.000	7.987	44.950	52.937	-21.063	74.000	PEAK
4	12287.000	8.562	39.550	48.113	-25.887	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.

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 08:13</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - VERTICAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(40M)_2452MHz</b>

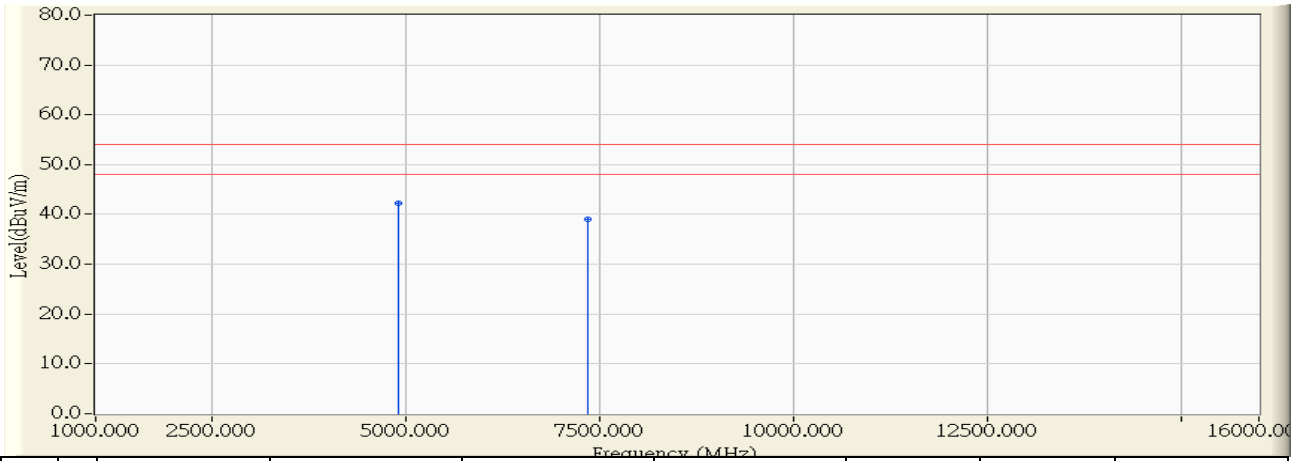


		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1	*	4905.000	-3.369	58.770	55.401	-18.599	74.000	PEAK
2		7354.000	5.358	47.000	52.358	-21.642	74.000	PEAK
3		9817.000	7.356	41.330	48.686	-25.314	74.000	PEAK
4		12261.000	8.397	39.880	48.278	-25.722	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.

<b>Site : CB1</b>	<b>Time : 2016/07/01 - 08:18</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2_Ant3 - VERTICAL</b>	<b>Power : AC 120V/60Hz</b>
<b>EUT : Gigabit Router Dual-band Wireless-N900</b>	<b>Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(40M)_2452MHz</b>



		<b>Frequency (MHz)</b>	<b>Correct Factor (dB)</b>	<b>Reading Level (dBuV)</b>	<b>Measure Level (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Limit (dBuV/m)</b>	<b>Detector Type</b>
1	*	4906.000	-3.370	45.710	42.340	-11.660	54.000	AVERAGE
2		7353.000	5.356	33.770	39.126	-14.874	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:

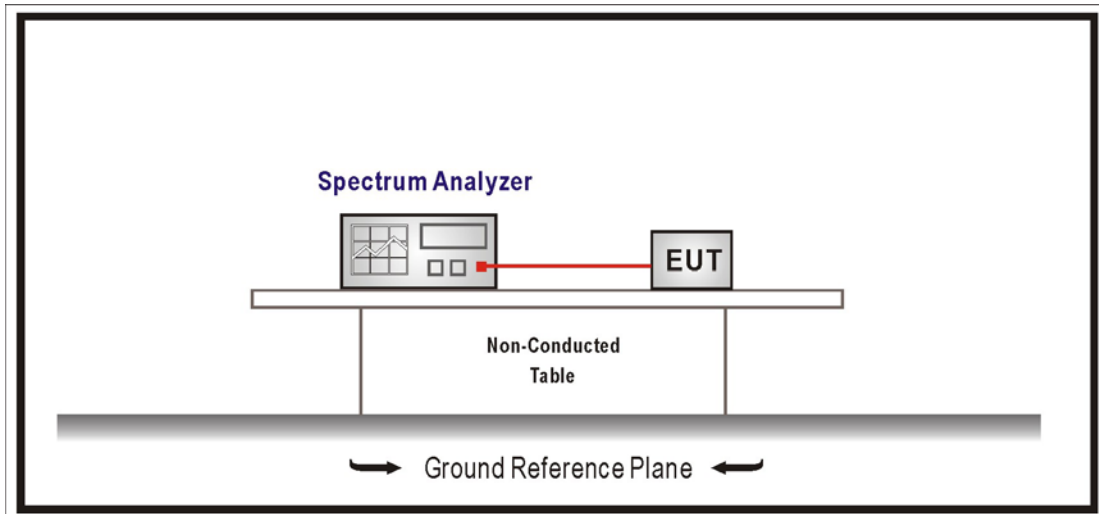
RF antenna conducted test / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A	US47140172	2016/08/23
Signal & Spectrum Analyzer	R&S	FSV40	101049	2017/01/05
Signal Analyzer	R&S	FSV7	101650	2016/11/30

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  $\pm 1.27\text{dB}$

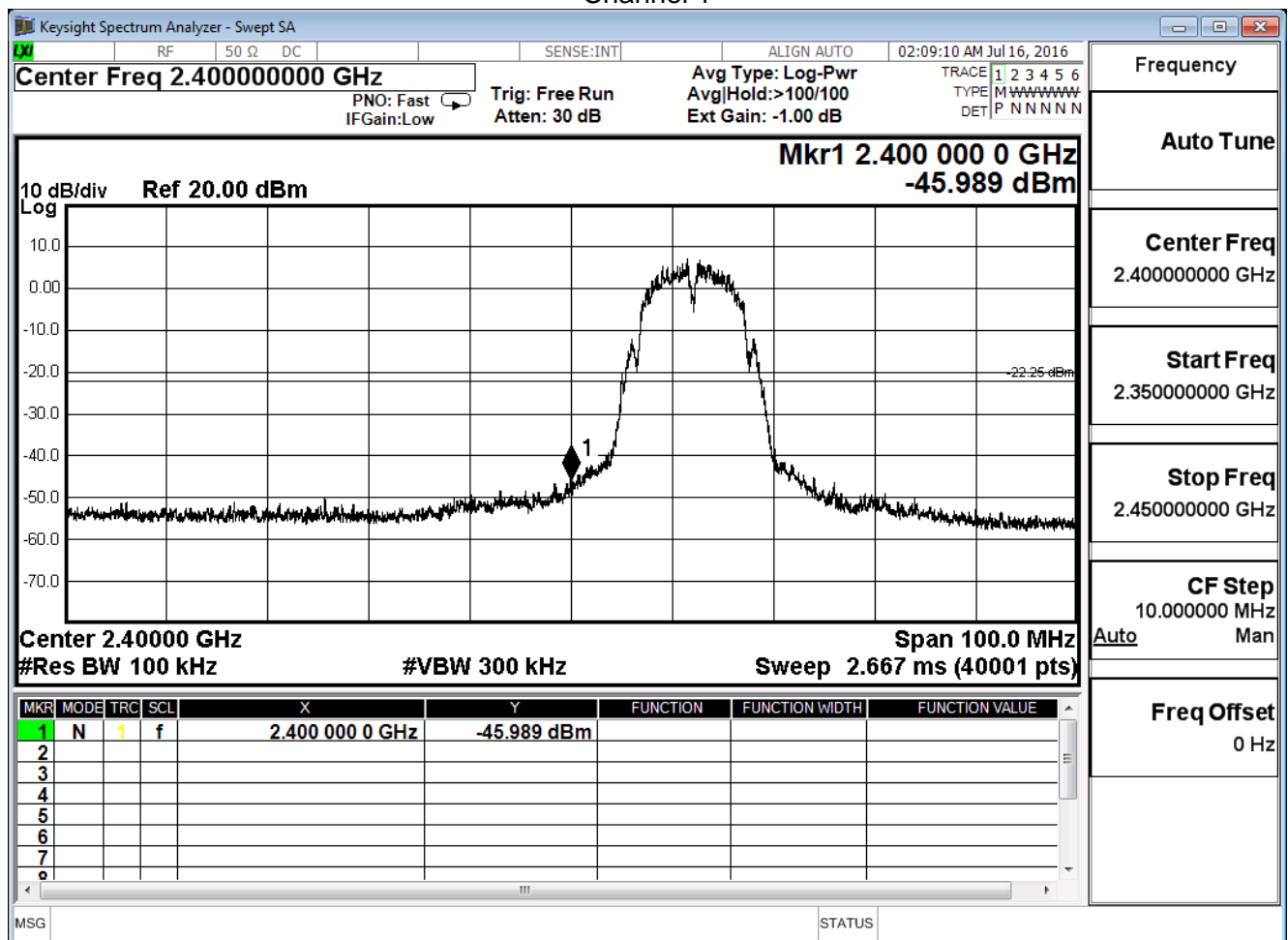
### 5.7. Test Result

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/16	Test Site	SR7

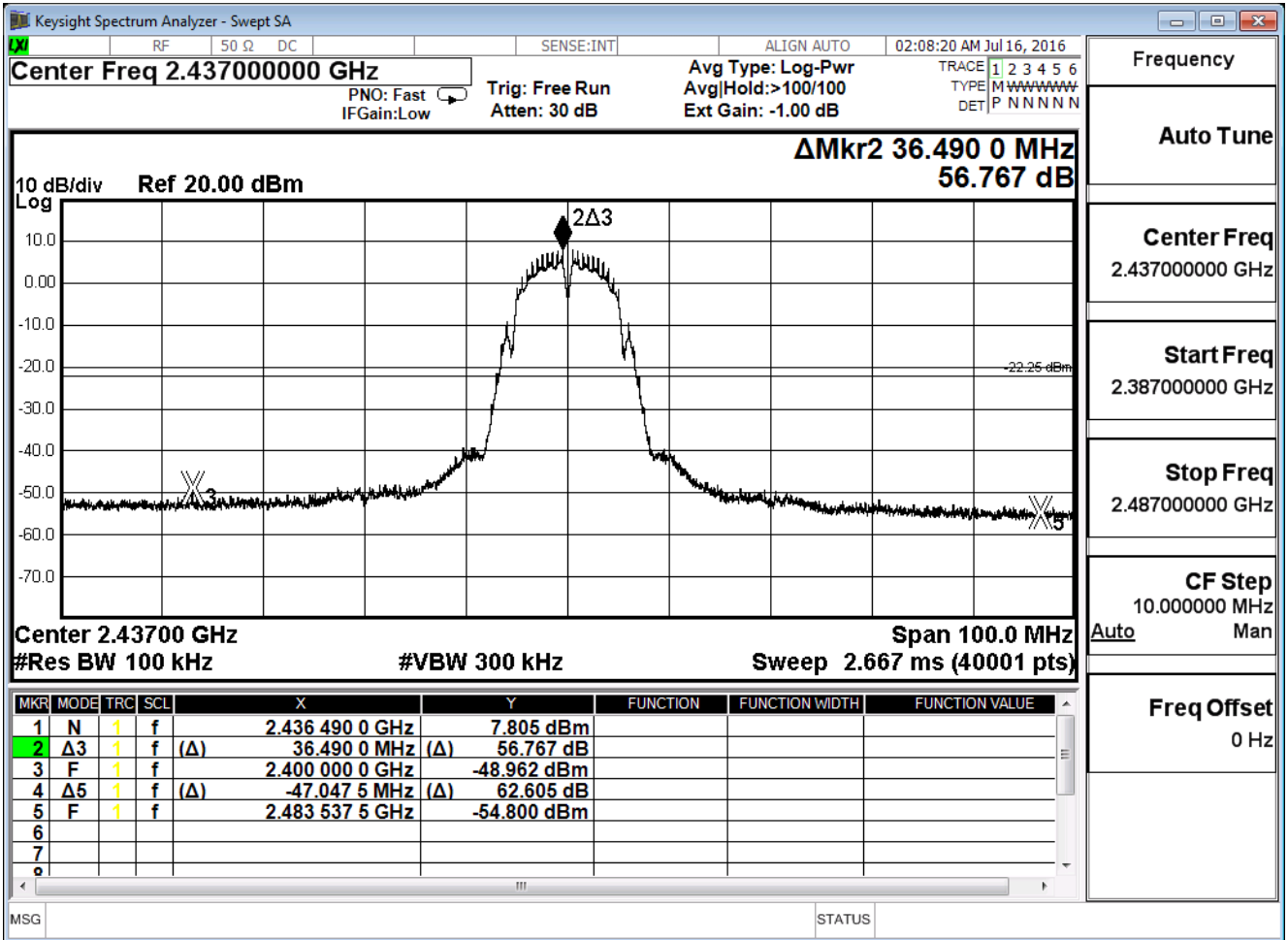
IEEE 802.11b (ANT 0), Antenna Gain: 2dBi

Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	53.74	≥ 30	Pass
6	2437	56.77	≥ 30	Pass
11	2462	61.62	≥ 30	Pass

Channel 1

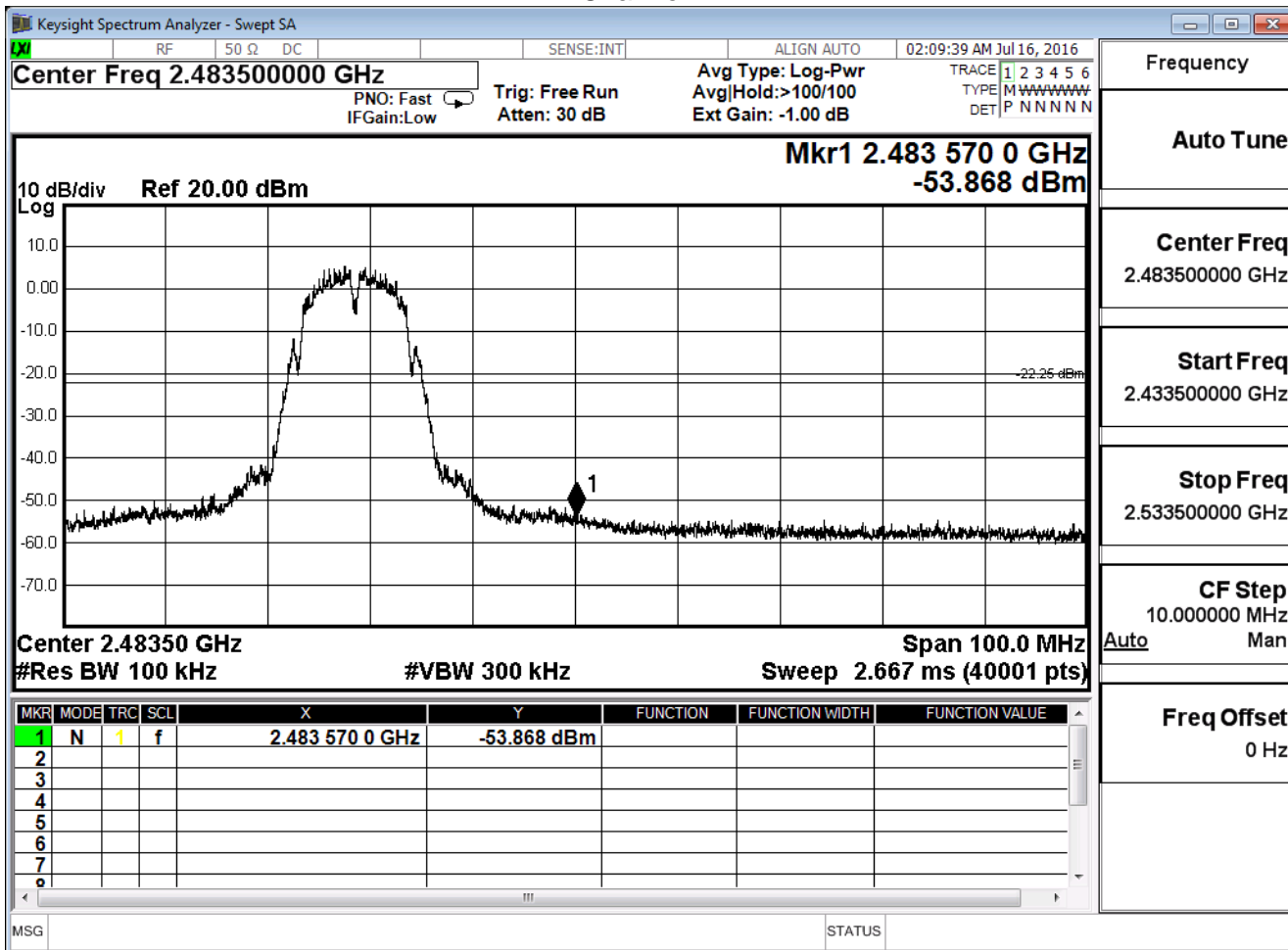


Channel 6





Channel 11



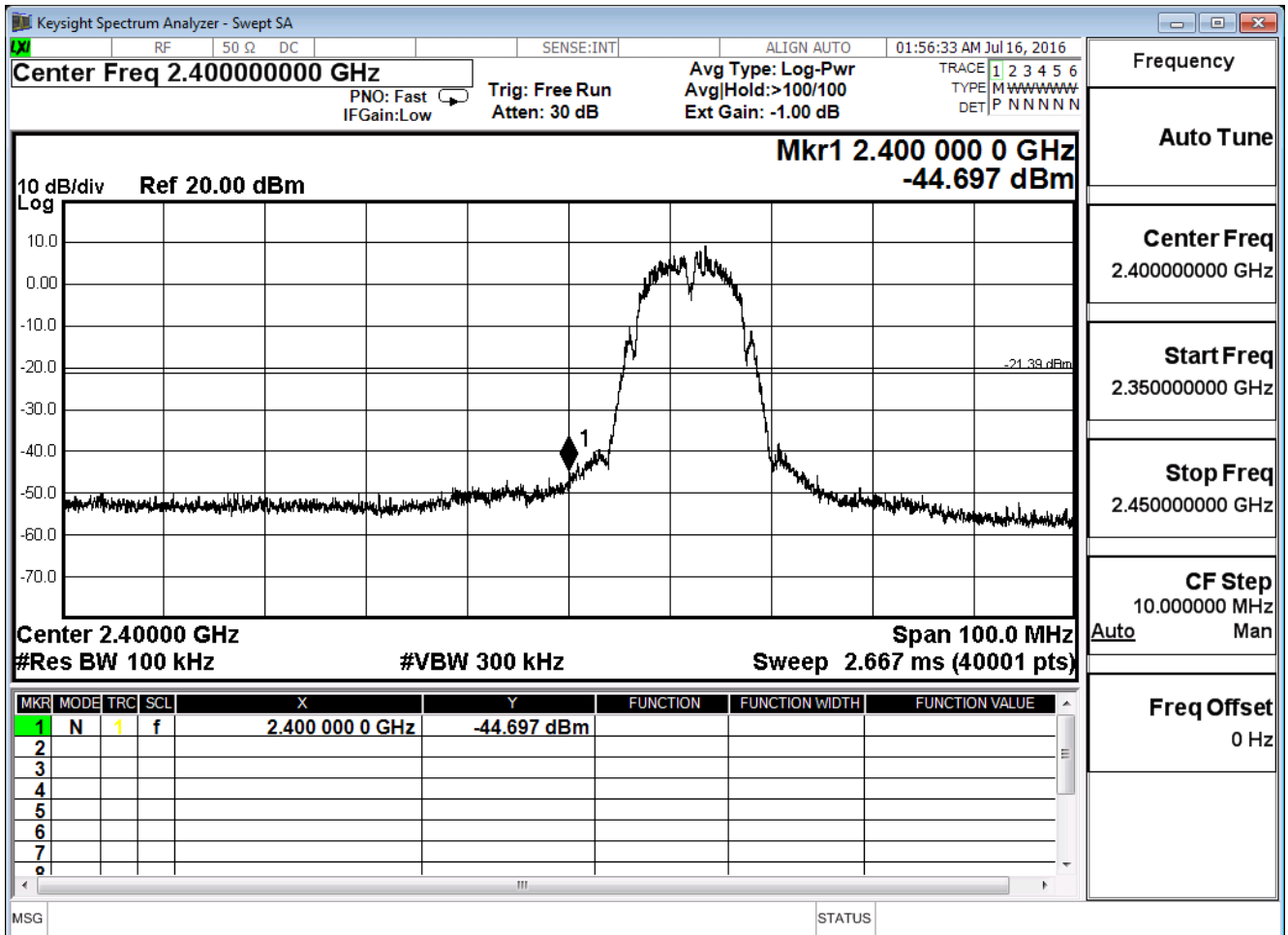
Frequency
Auto Tune
Center Freq 2.483500000 GHz
Start Freq 2.433500000 GHz
Stop Freq 2.533500000 GHz
CF Step 10.000000 MHz Auto Man
Freq Offset 0 Hz

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/16	Test Site	SR7

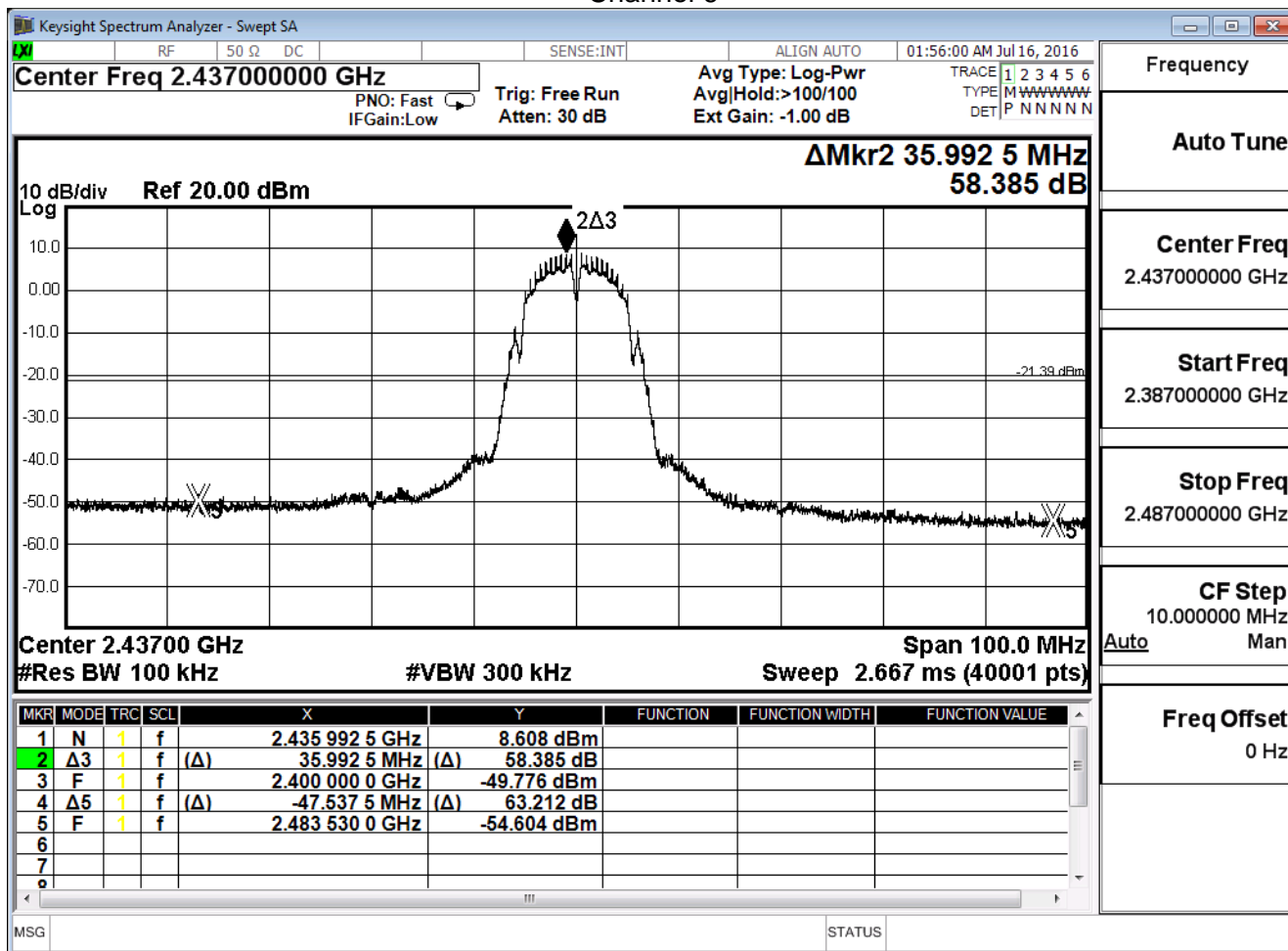
IEEE 802.11b (ANT 1), Antenna Gain: 2dBi

Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	53.31	≥ 30	Pass
6	2437	58.39	≥ 30	Pass
11	2462	61.82	≥ 30	Pass

Channel 1



Channel 6



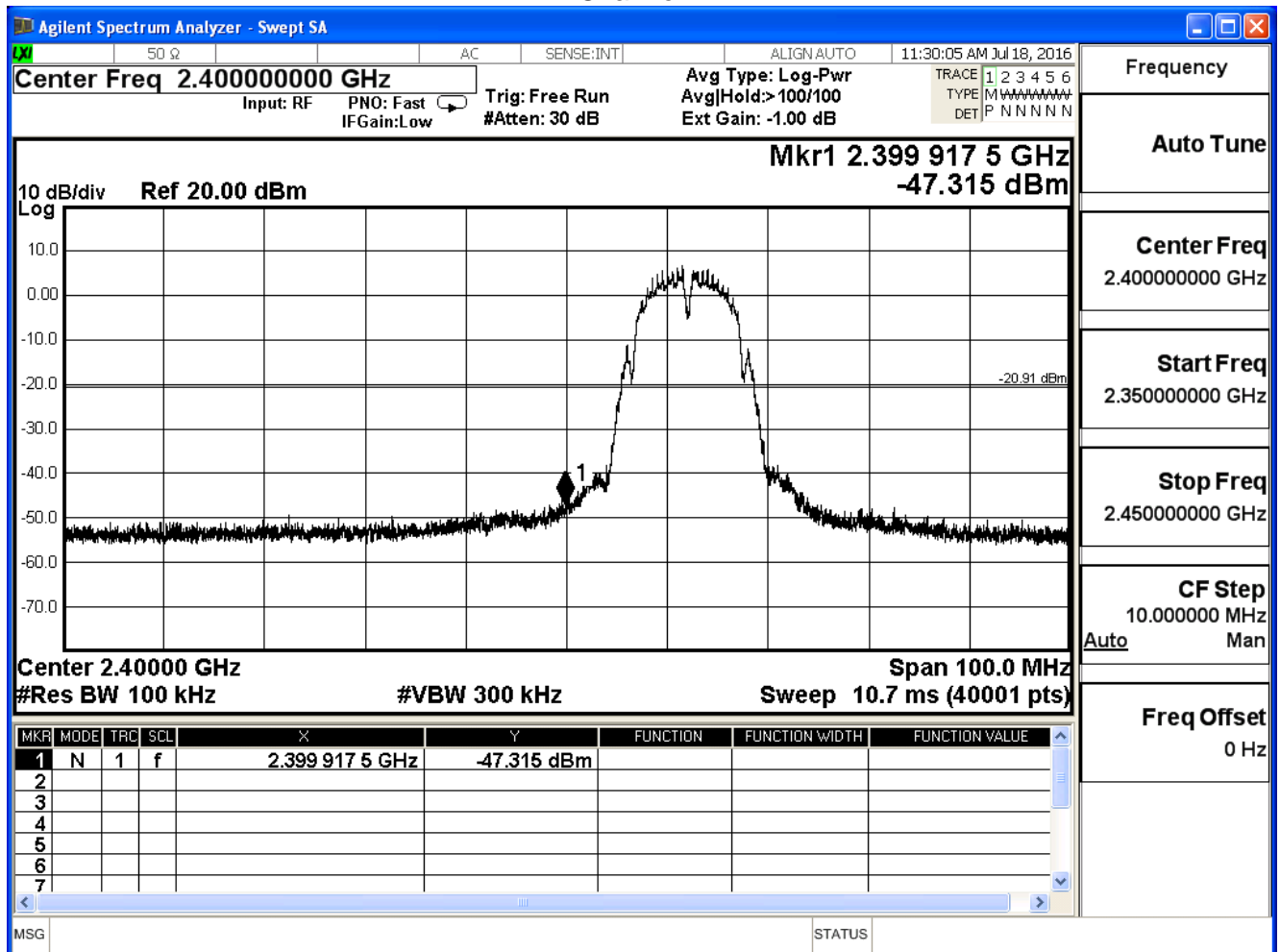


Product	Gigabit Router Dual-band Wireless-N900		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/16	Test Site	SR7

IEEE 802.11b (ANT 2), Antenna Gain: 2dBi

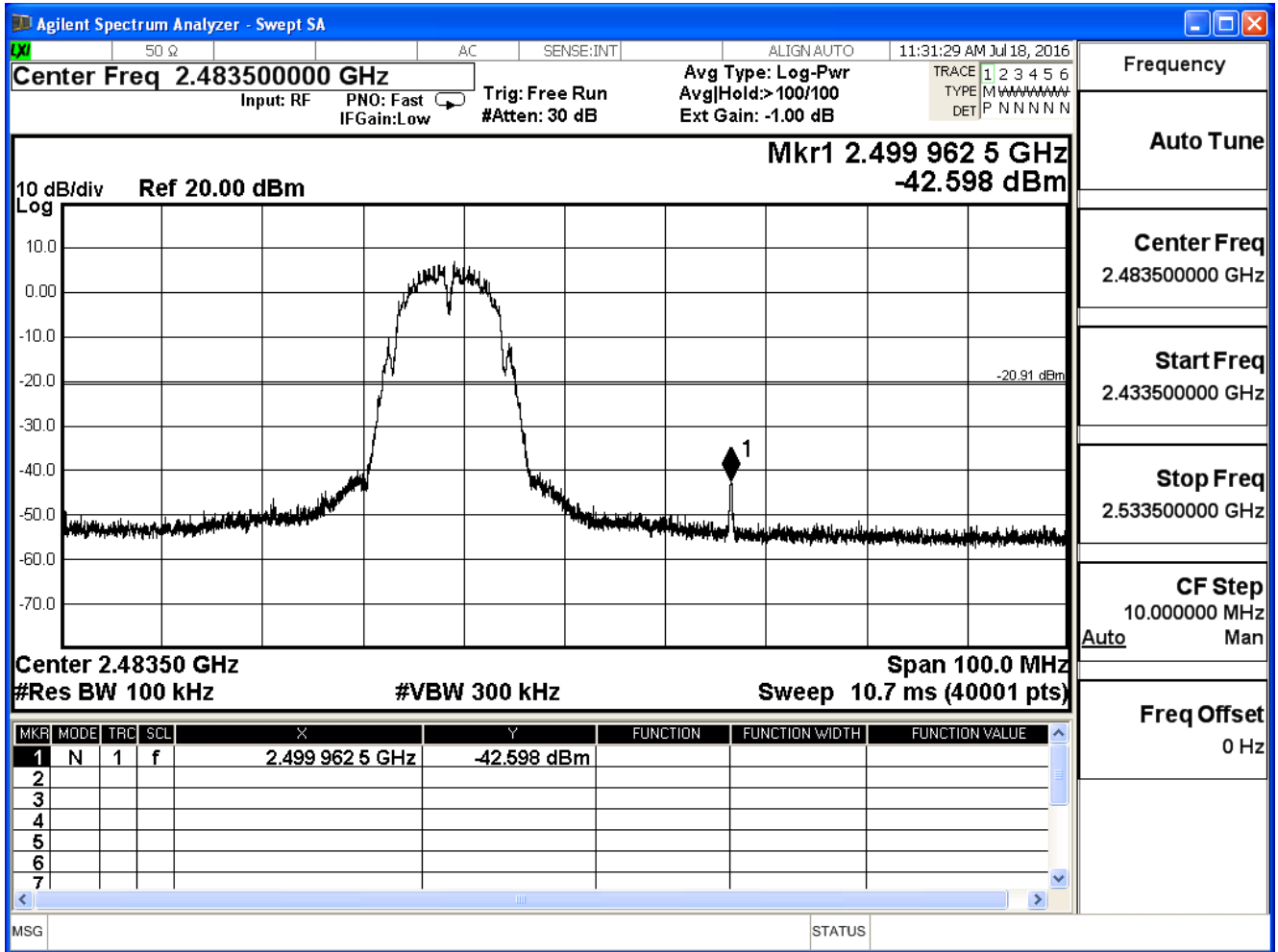
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	56.40	≥ 30	Pass
6	2437	59.16	≥ 30	Pass
11	2462	51.69	≥ 30	Pass

Channel 1





Channel 11

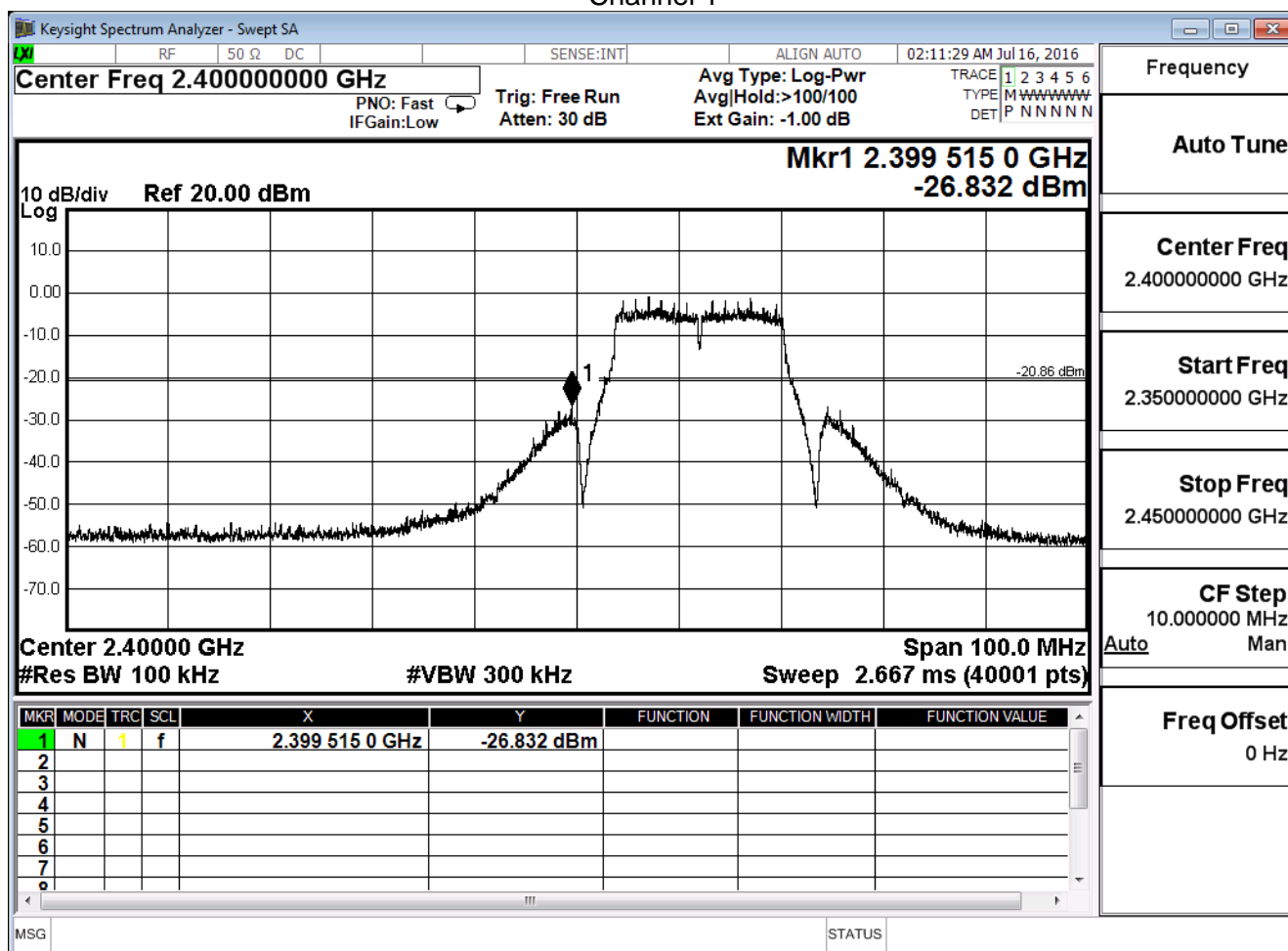


Product	Gigabit Router Dual-band Wireless-N900		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/16	Test Site	SR7

IEEE 802.11g (ANT 0), Antenna Gain: 2dBi

Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	35.97	≥ 30	Pass
6	2437	54.49	≥ 30	Pass
11	2462	57.73	≥ 30	Pass

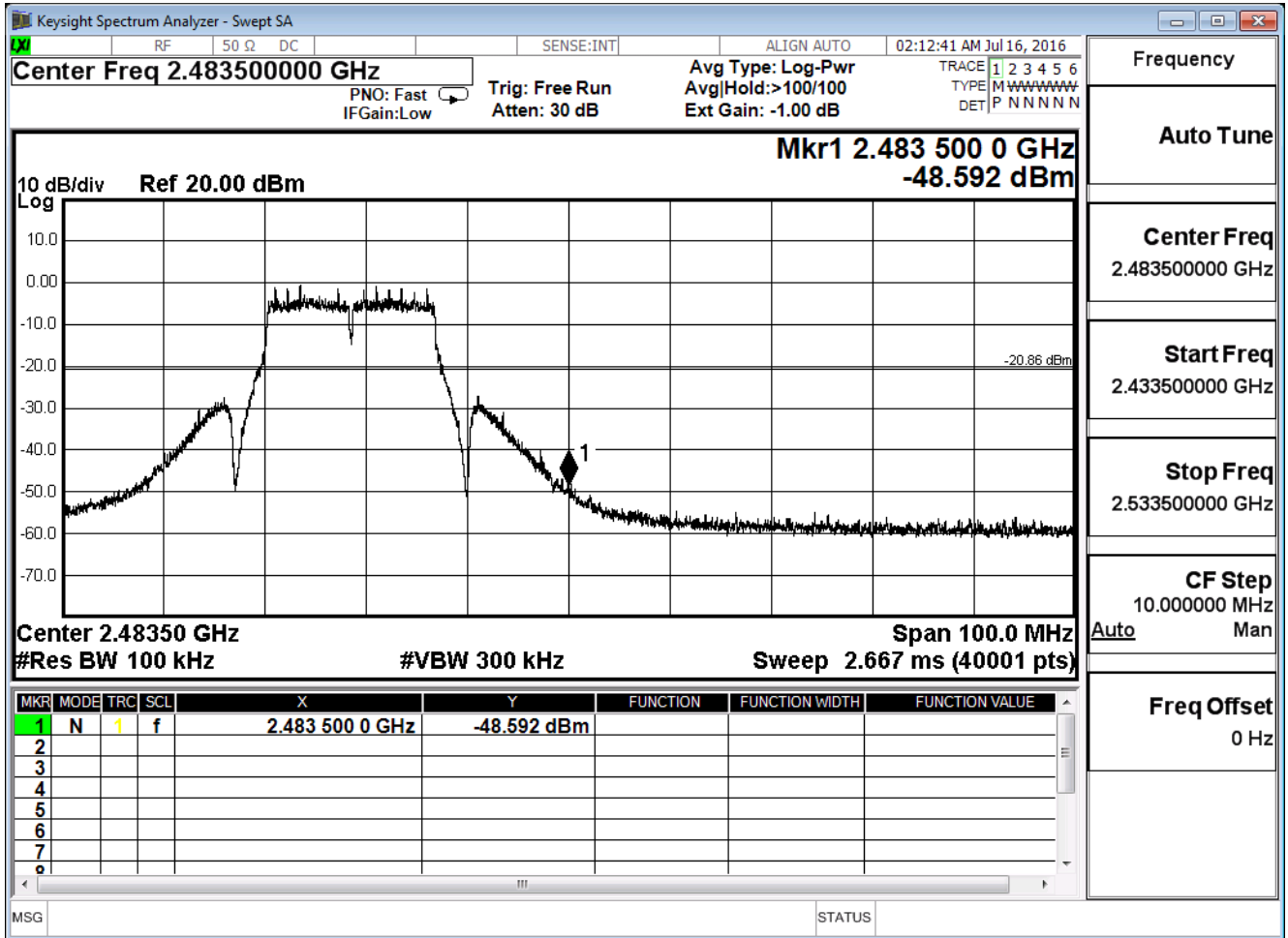
Channel 1







Channel 11

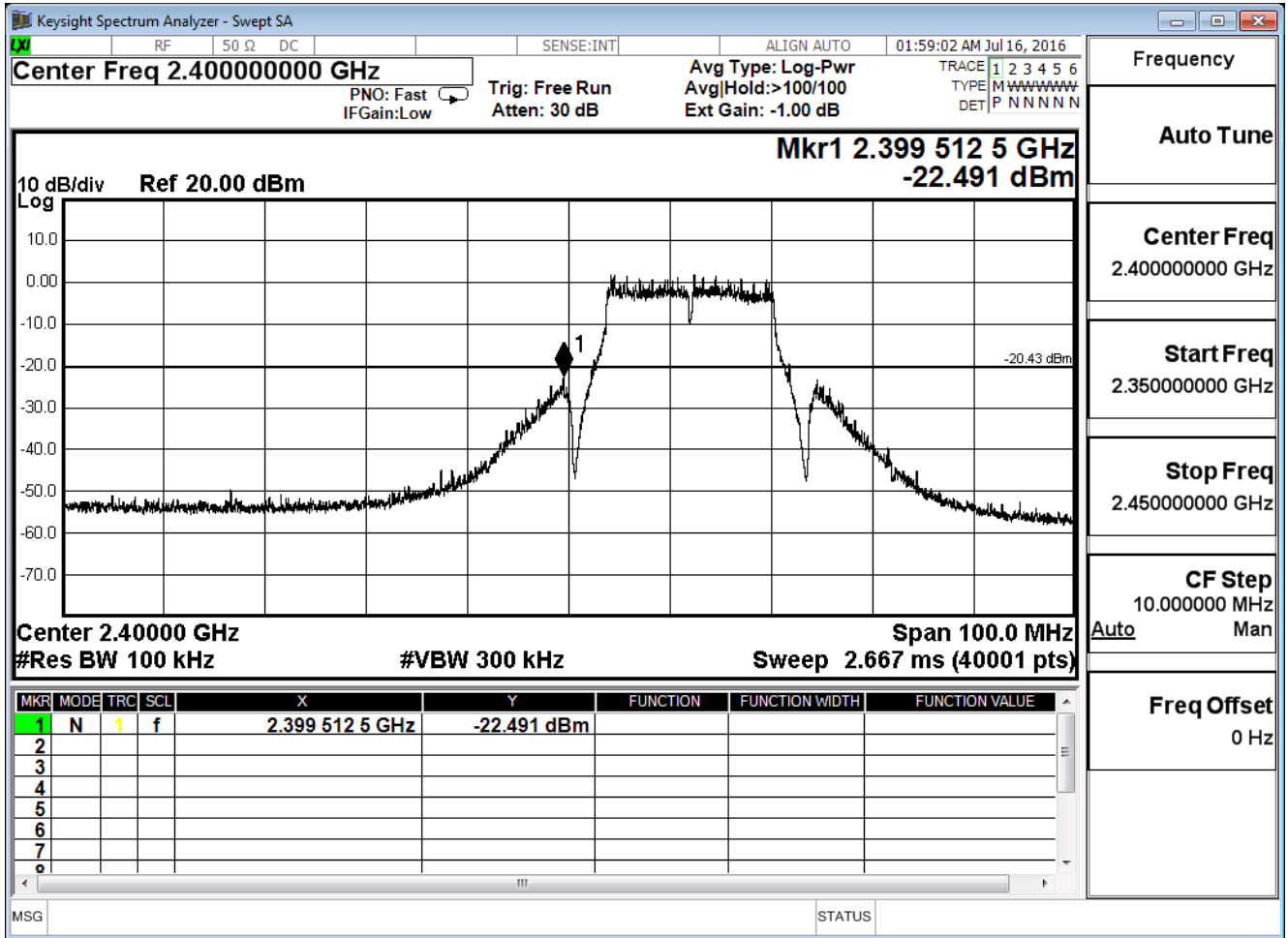


Product	Gigabit Router Dual-band Wireless-N900		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/16	Test Site	SR7

IEEE 802.11g (ANT 1), Antenna Gain: 2dBi

Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	32.06	≥ 30	Pass
6	2437	53.31	≥ 30	Pass
11	2462	56.65	≥ 30	Pass

Channel 1





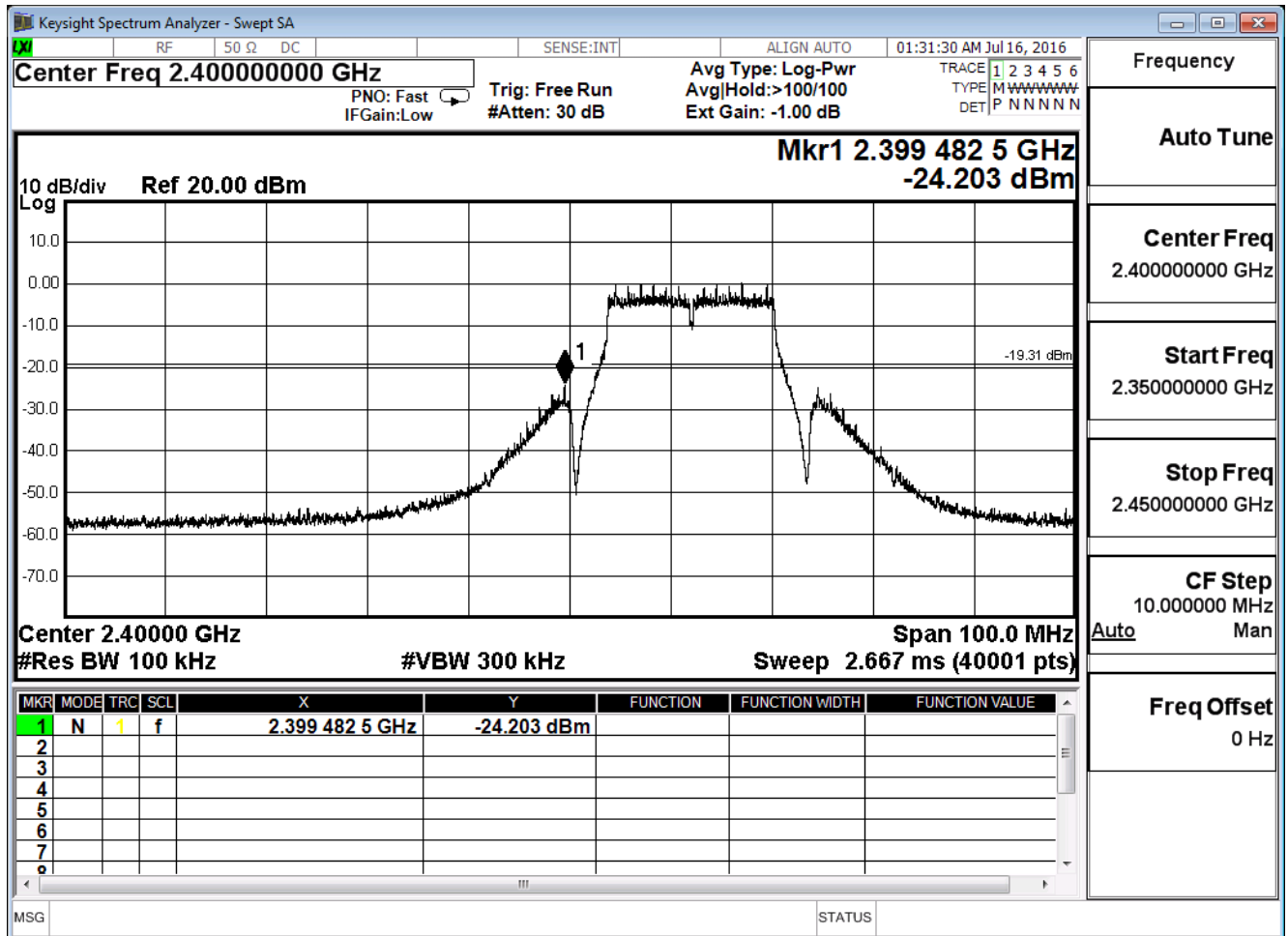


Product	Gigabit Router Dual-band Wireless-N900		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/16	Test Site	SR7

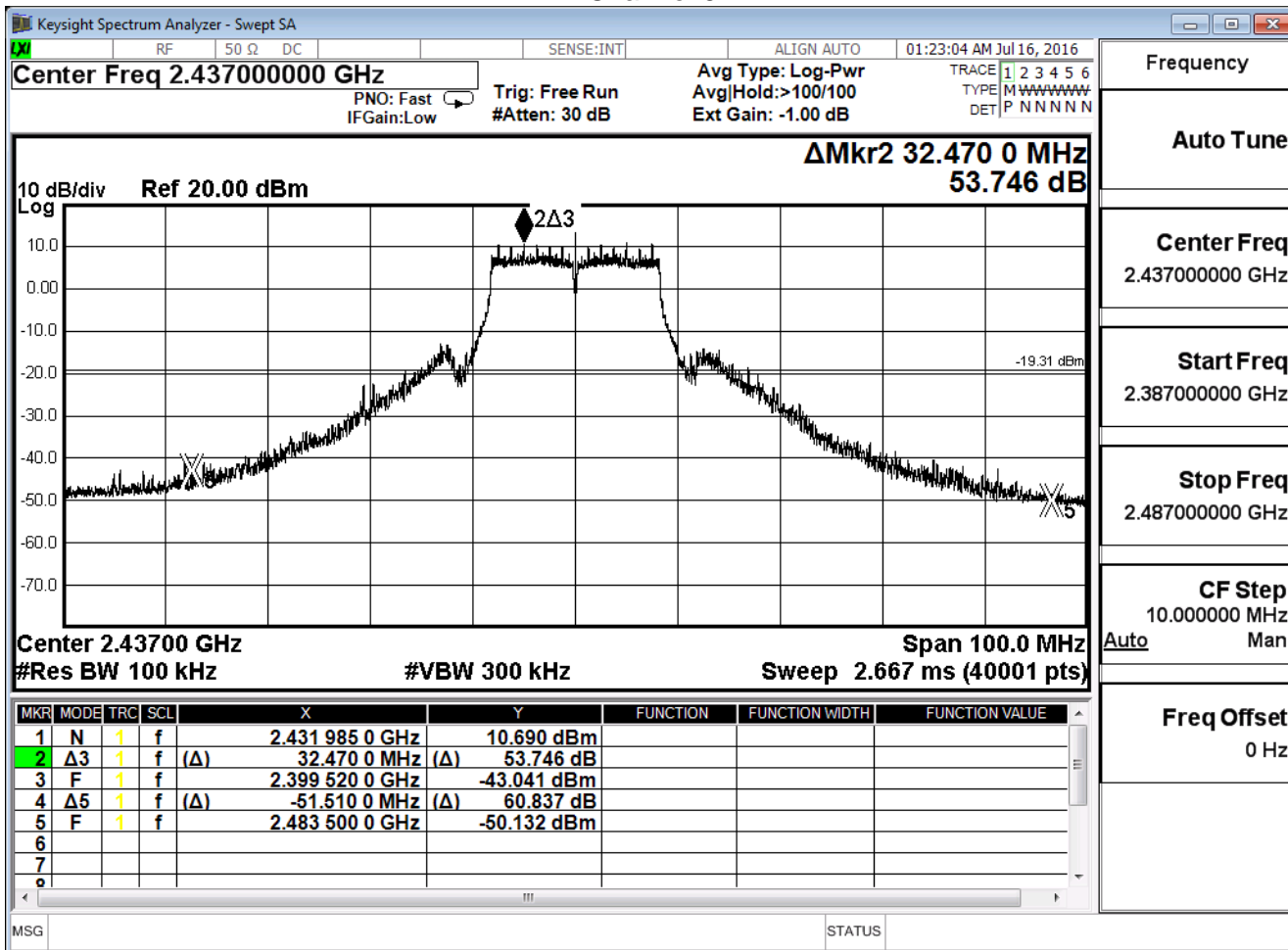
IEEE 802.11g (ANT 2), Antenna Gain: 2dBi

Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	34.89	≥ 30	Pass
6	2437	53.75	≥ 30	Pass
11	2462	58.29	≥ 30	Pass

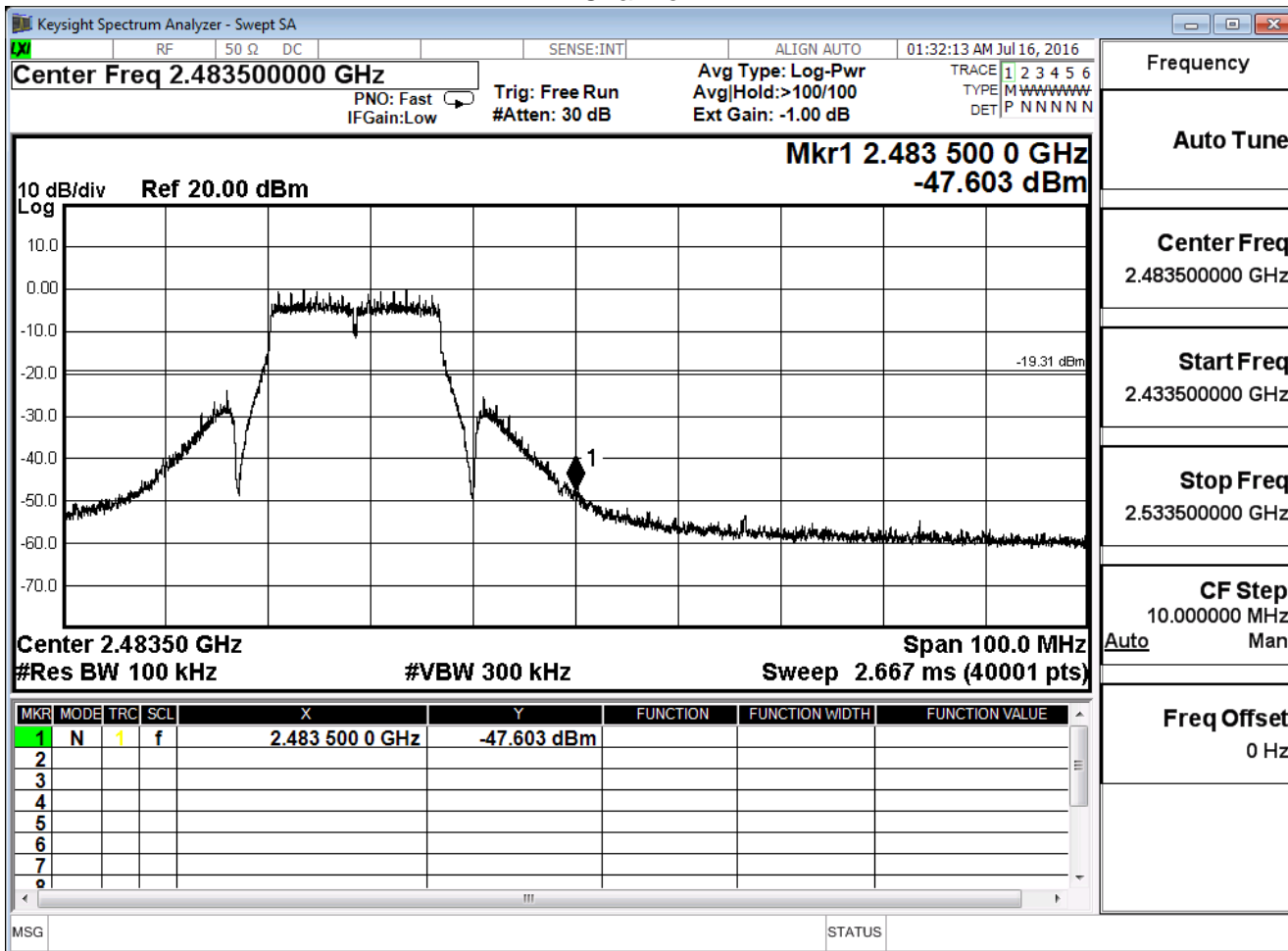
Channel 1



Channel 6



Channel 11



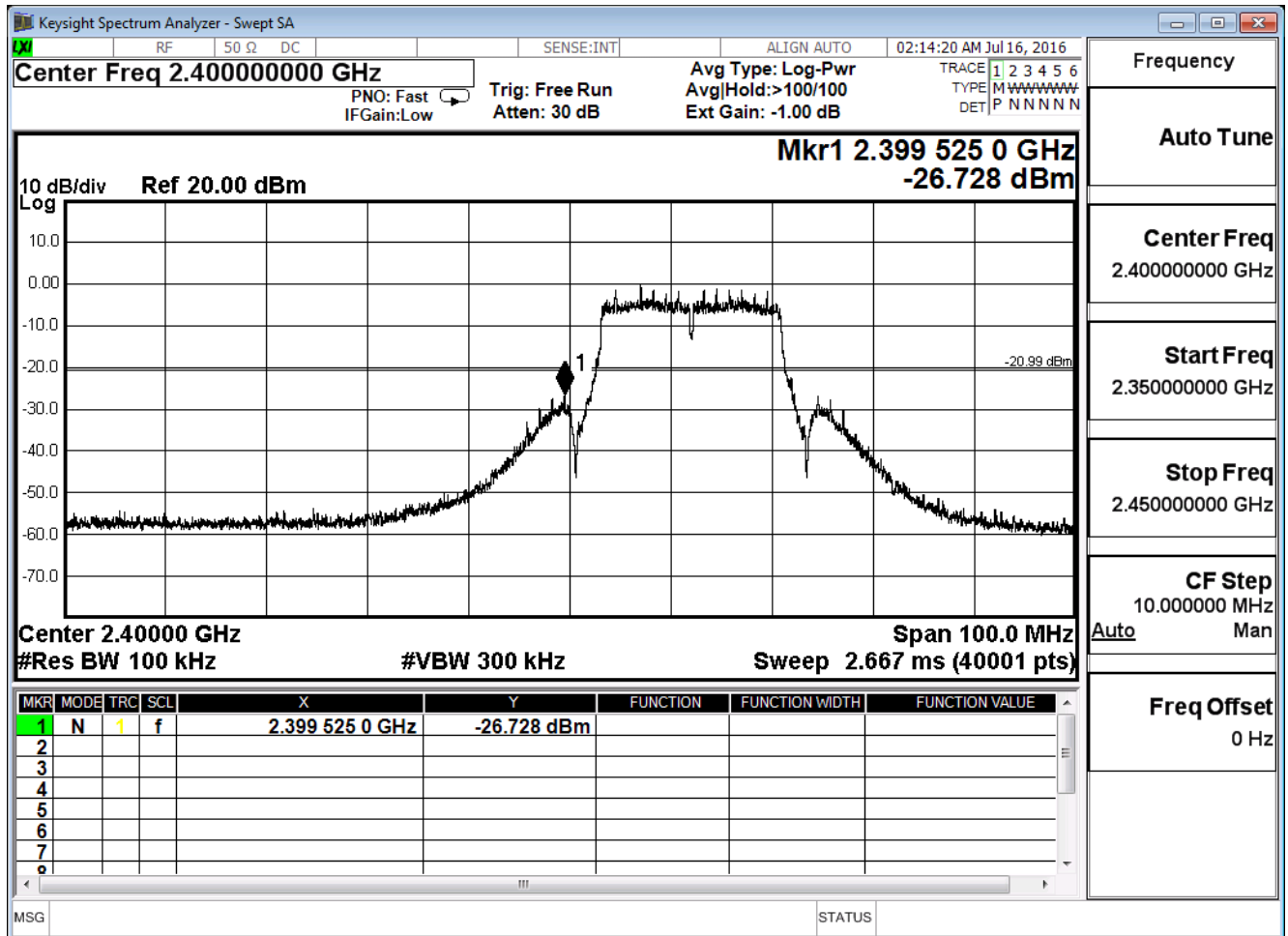


Product	Gigabit Router Dual-band Wireless-N900		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/16	Test Site	SR7

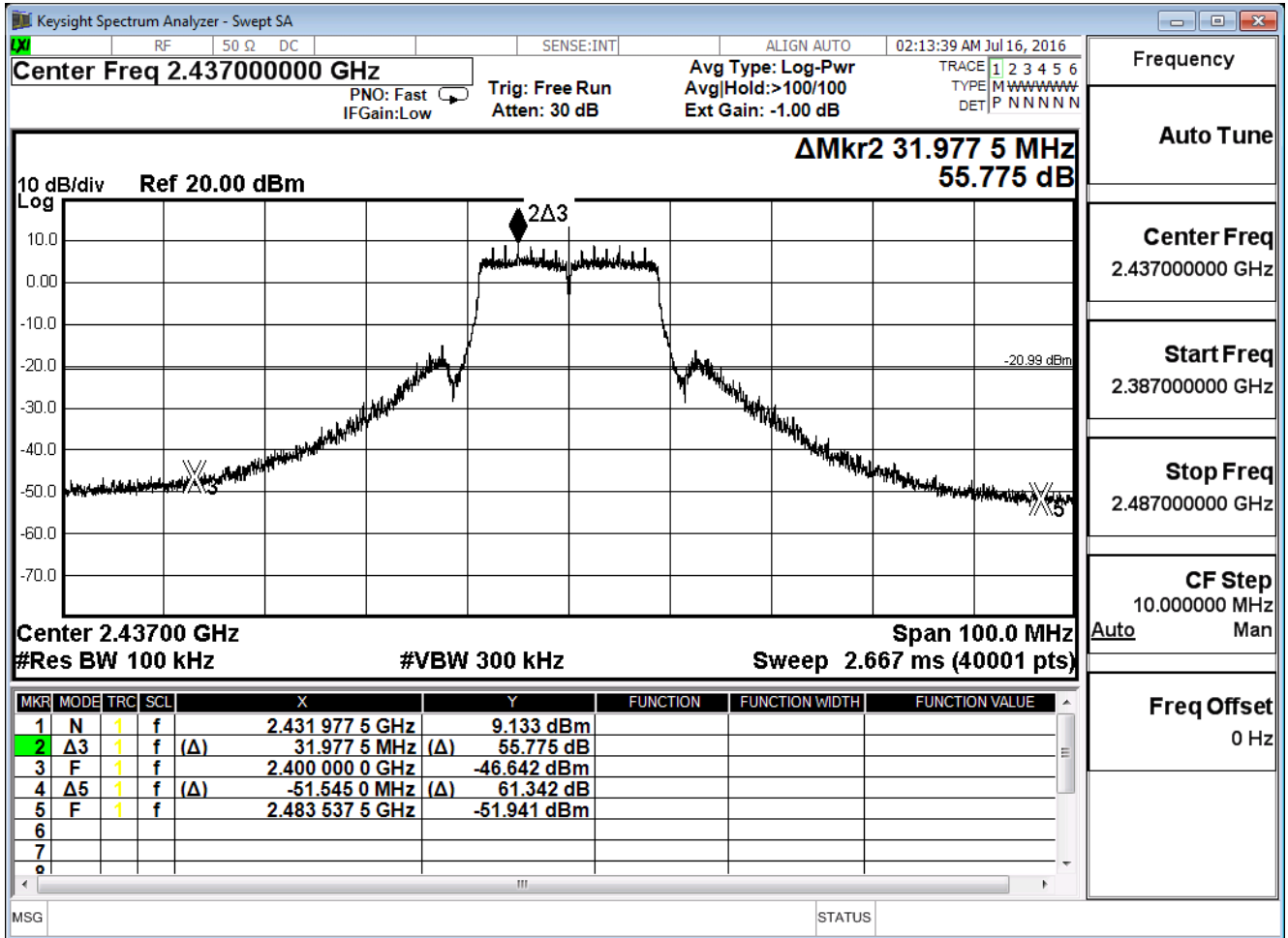
IEEE 802.11n (20MHz), (ANT 0) Antenna Gain: 2dBi

Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	35.74	≥ 30	Pass
6	2437	55.78	≥ 30	Pass
11	2462	56.98	≥ 30	Pass

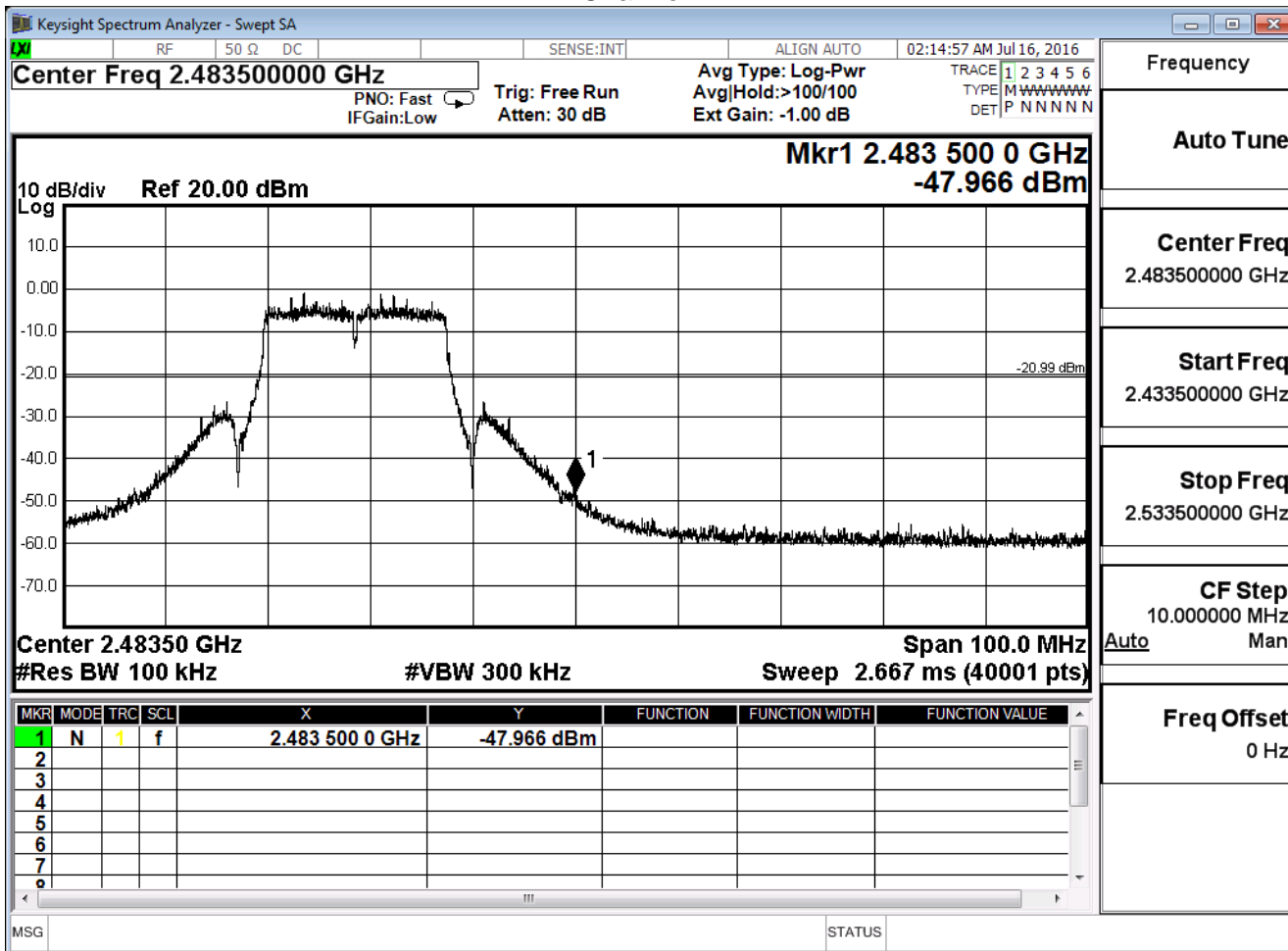
Channel 1



Channel 6



Channel 11

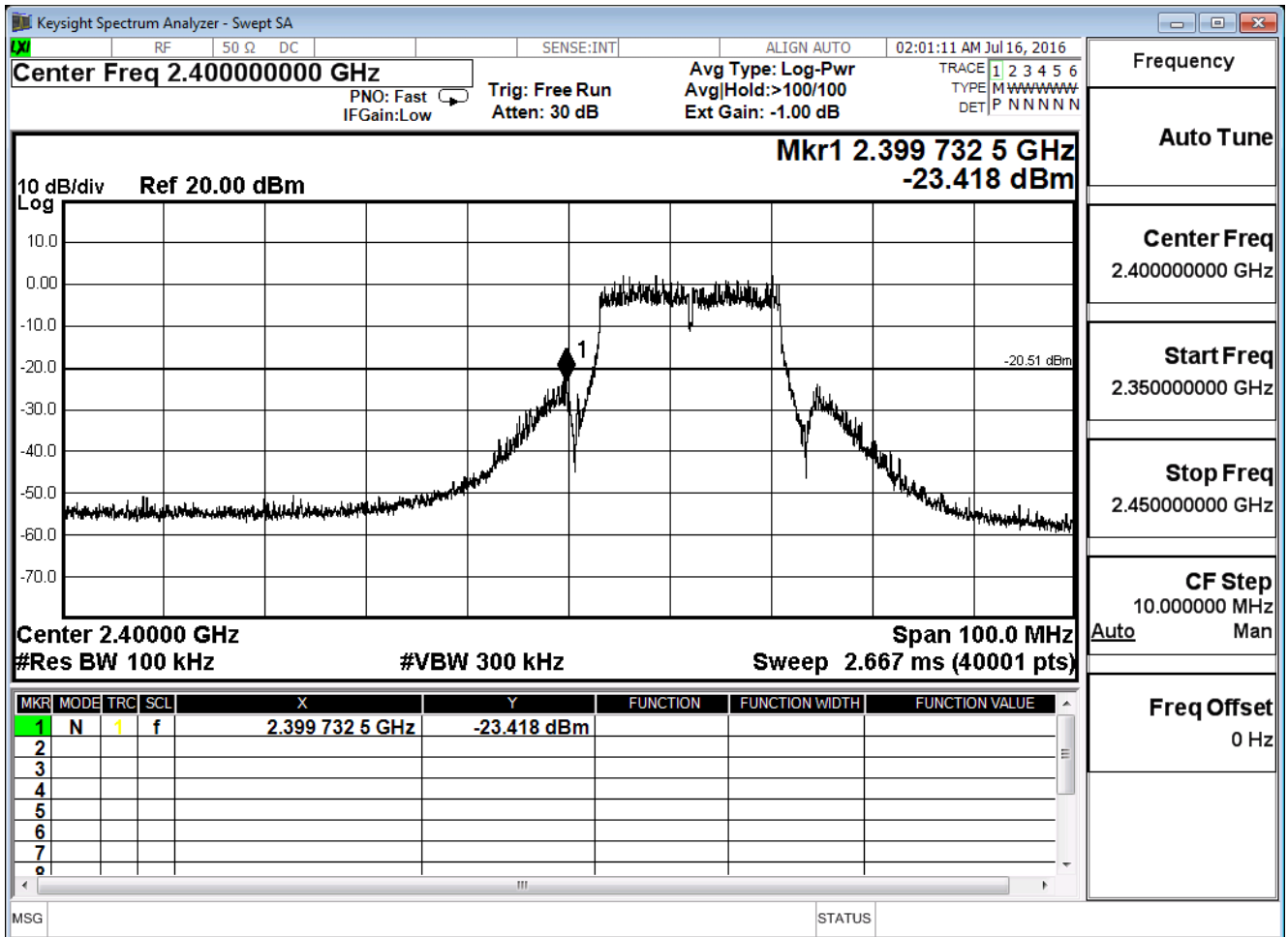


Product	Gigabit Router Dual-band Wireless-N900		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/16	Test Site	SR7

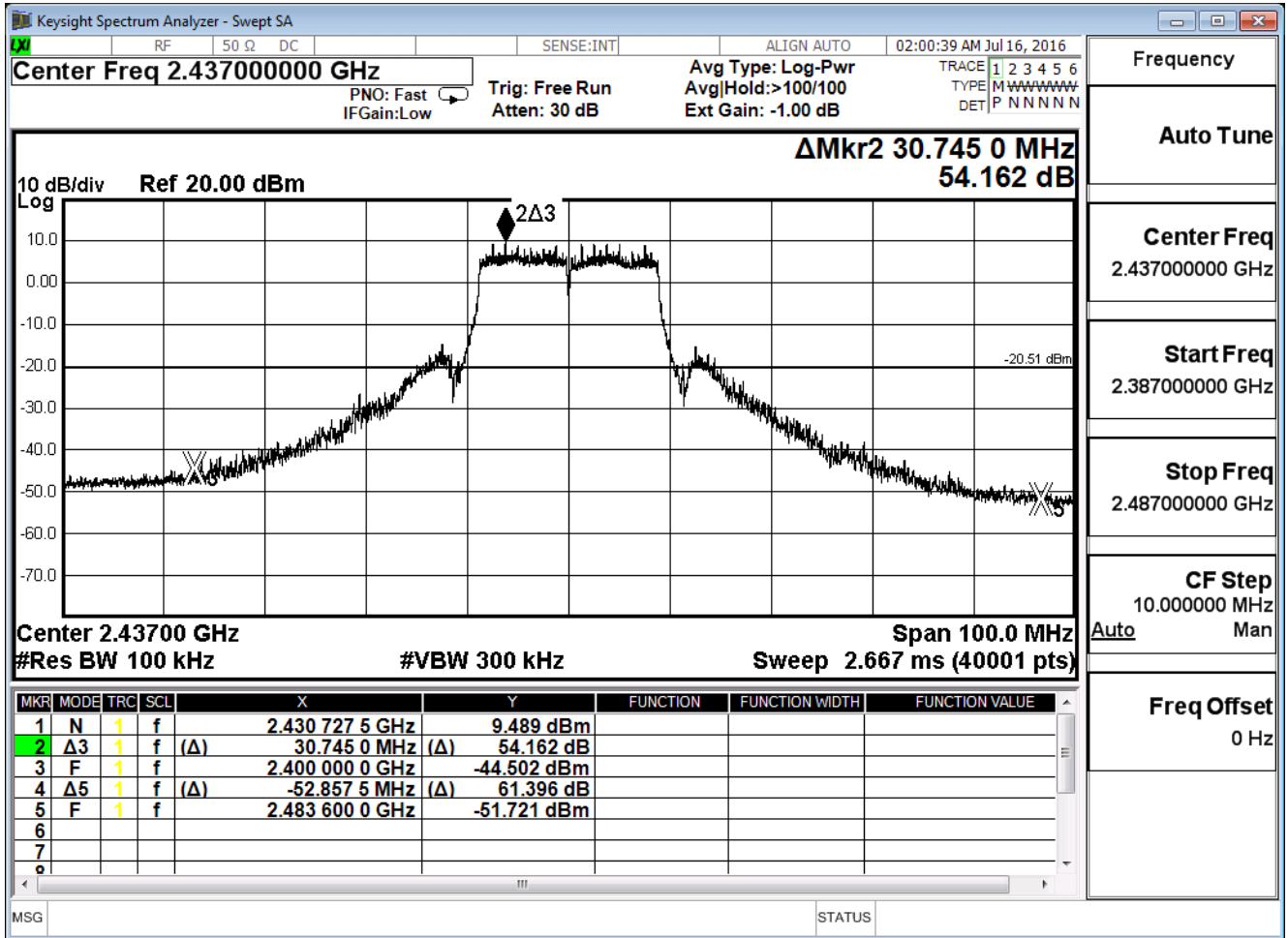
IEEE 802.11n (20MHz), (ANT 1) Antenna Gain: 2dBi

Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	32.91	≥ 30	Pass
6	2437	54.16	≥ 30	Pass
11	2462	58.47	≥ 30	Pass

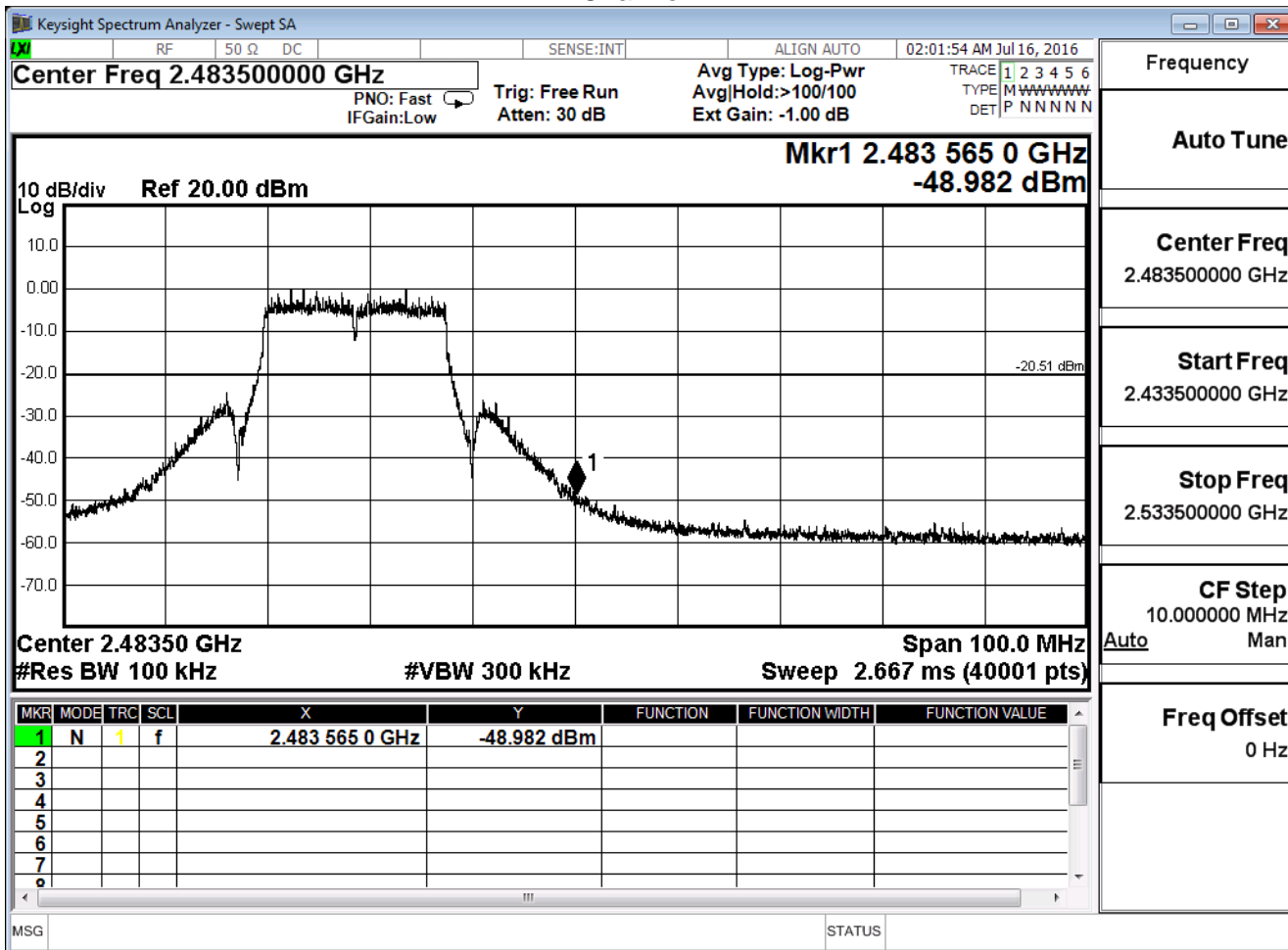
Channel 1



Channel 6



Channel 11



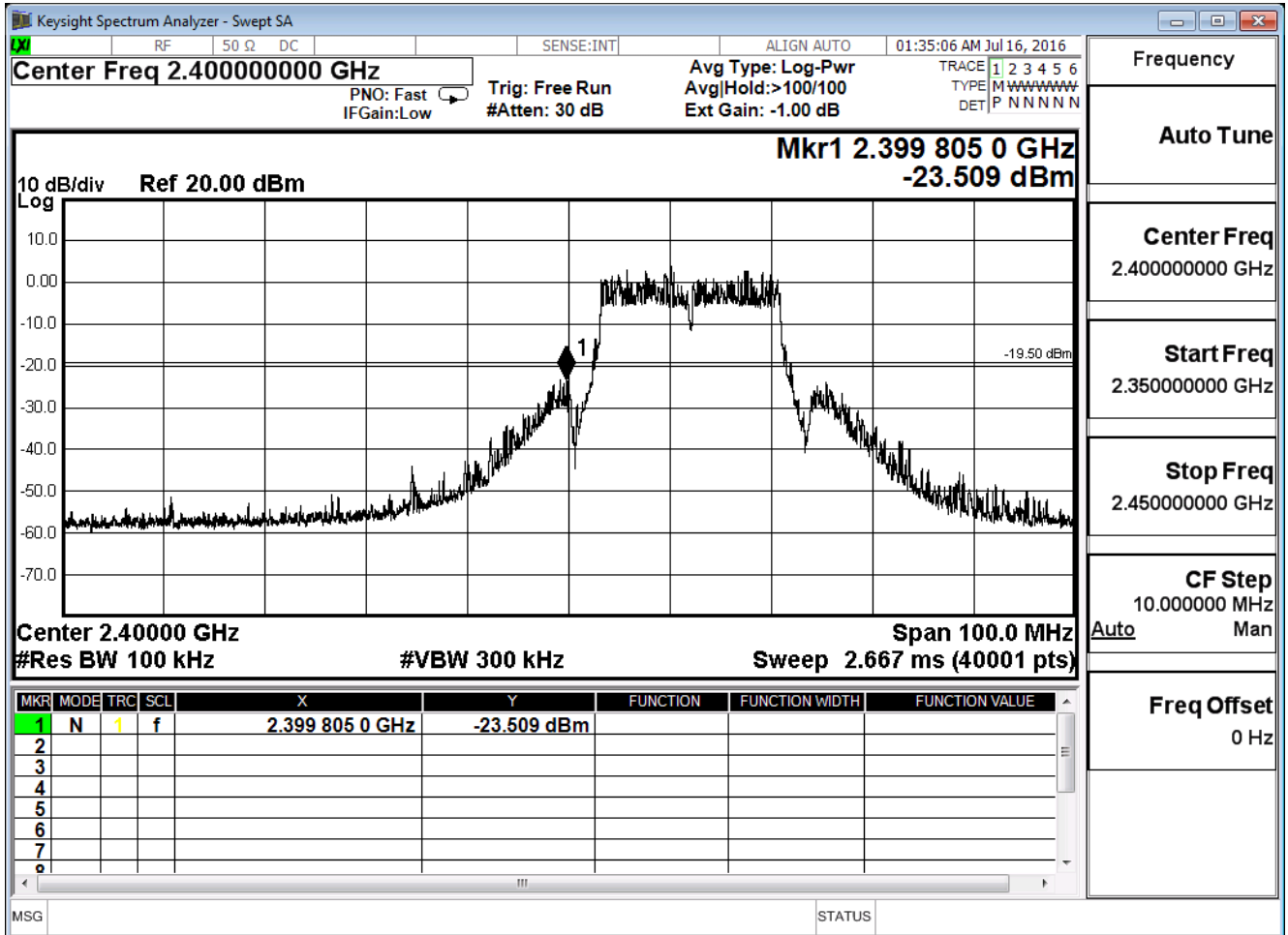
Frequency
Auto Tune
Center Freq 2.483500000 GHz
Start Freq 2.433500000 GHz
Stop Freq 2.533500000 GHz
CF Step 10.000000 MHz Auto Man
Freq Offset 0 Hz

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/16	Test Site	SR7

IEEE 802.11n (20MHz), (ANT 2) Antenna Gain: 2dBi

Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	34.01	≥ 30	Pass
6	2437	53.49	≥ 30	Pass
11	2462	60.08	≥ 30	Pass

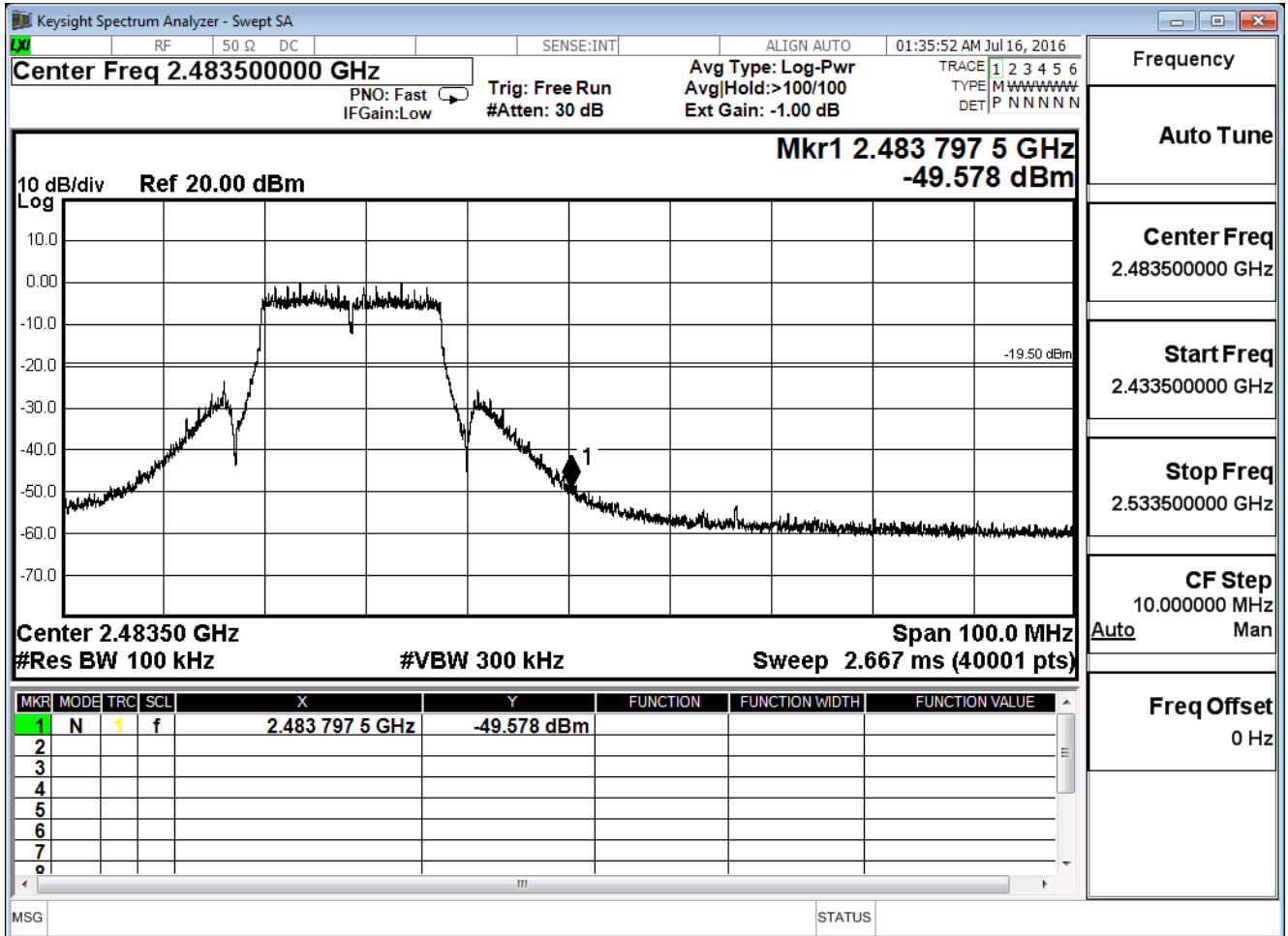
Channel 1







Channel 11

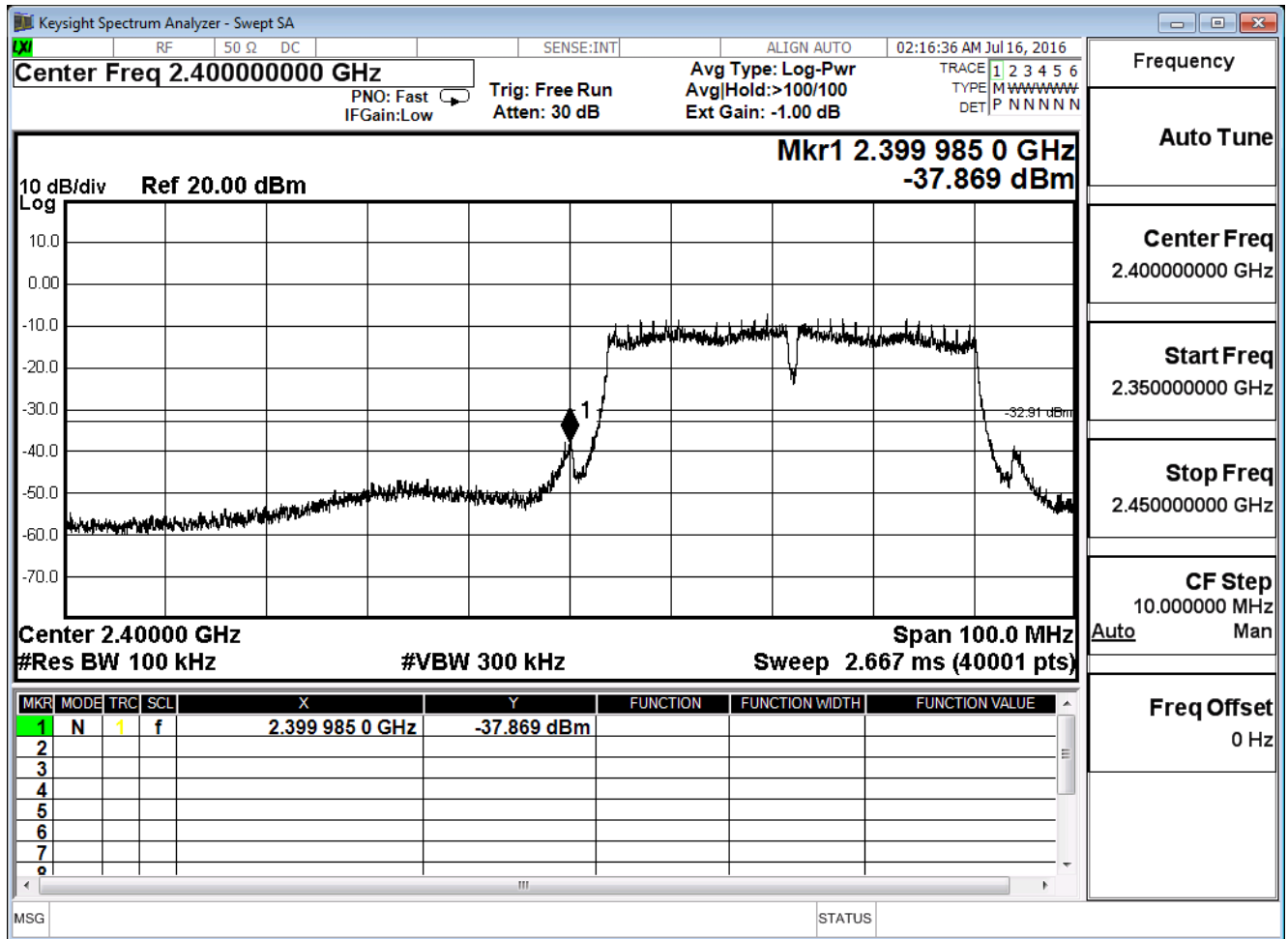


Product	Gigabit Router Dual-band Wireless-N900		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/16	Test Site	SR7

IEEE 802.11n (40MHz), (ANT 0) Antenna Gain: 2dBi

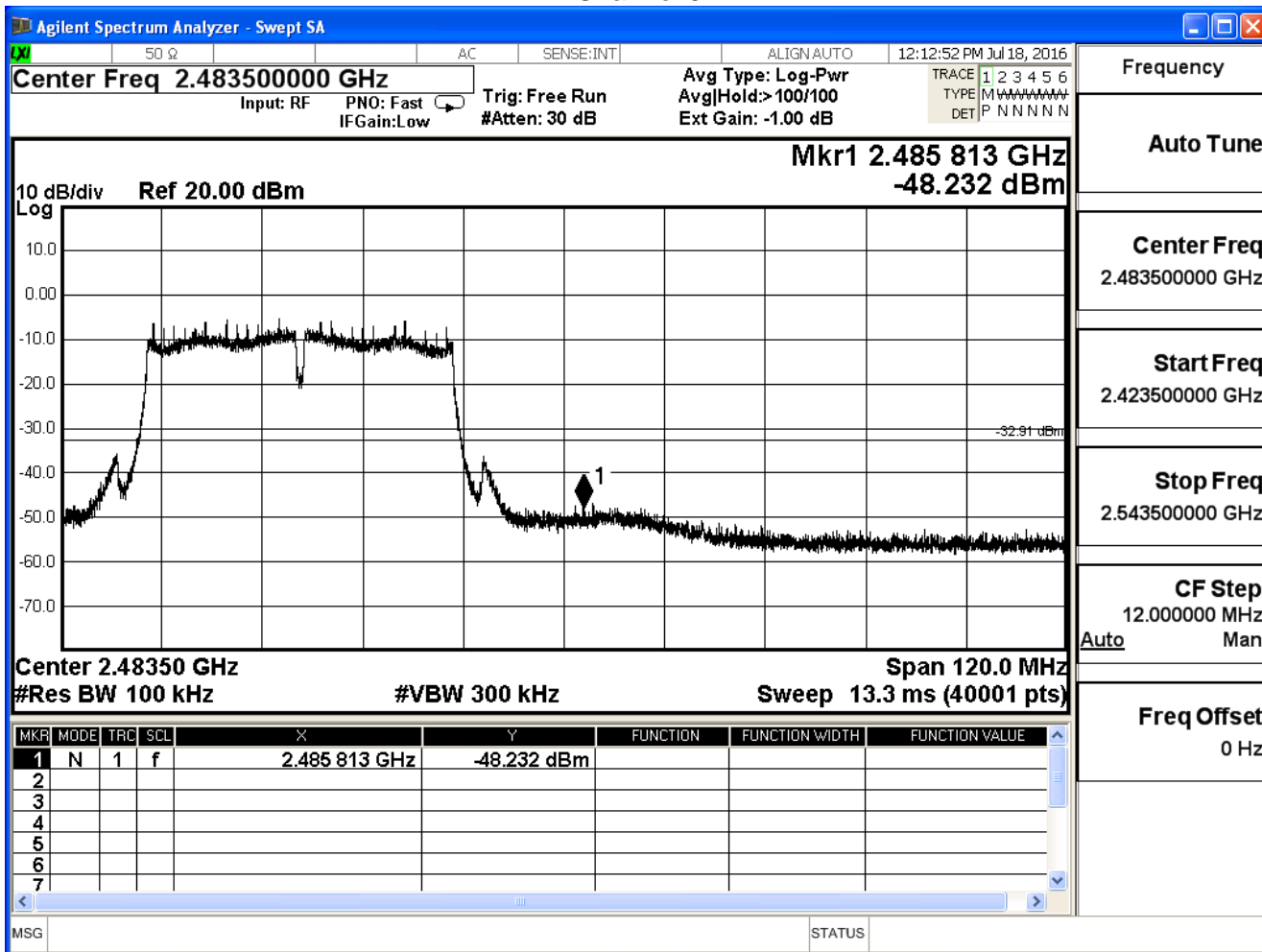
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	34.96	≥ 30	Pass
6	2437	41.55	≥ 30	Pass
9	2452	45.30	≥ 30	Pass

Channel 3





Channel 9

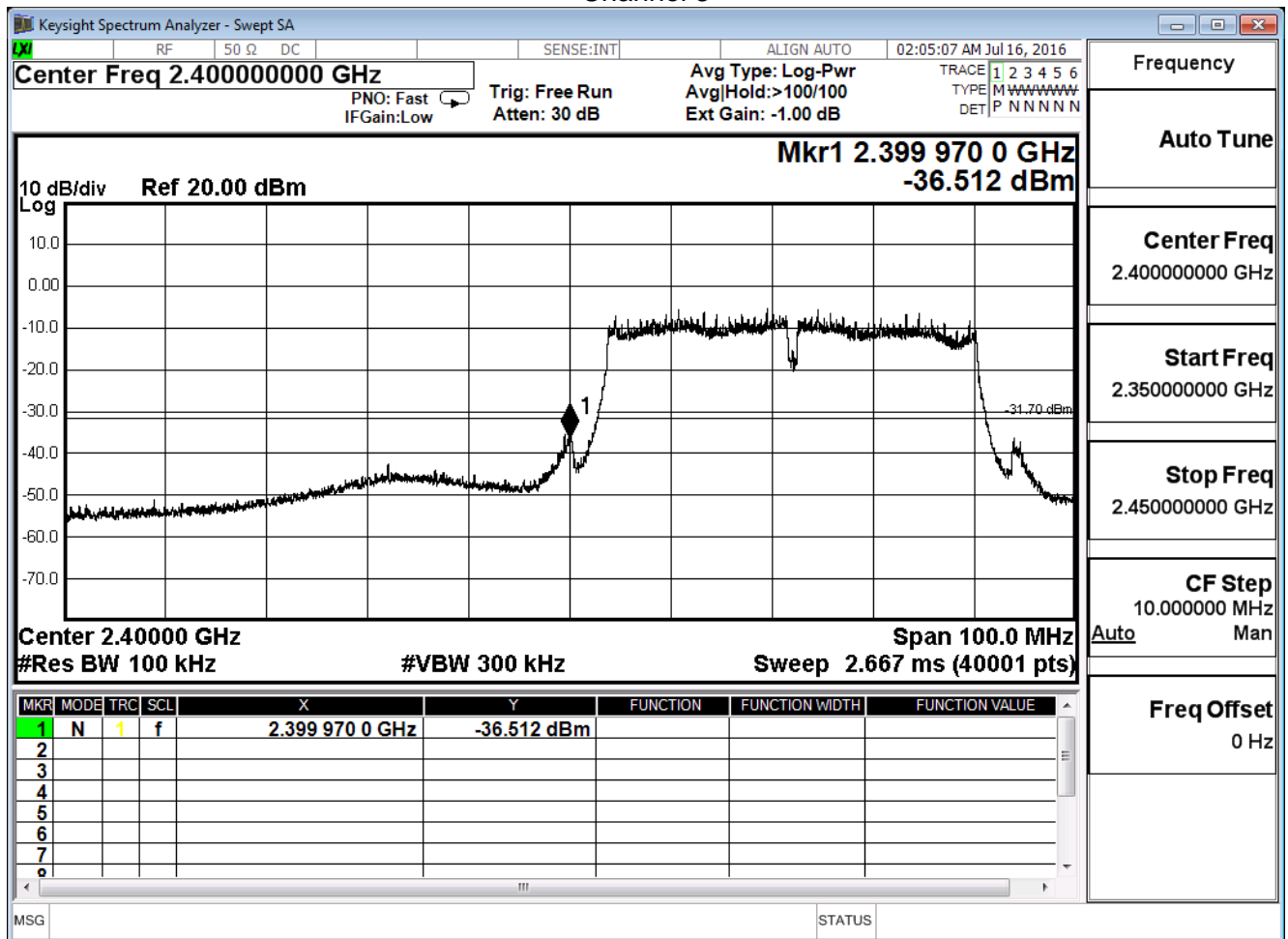


Product	Gigabit Router Dual-band Wireless-N900		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/16	Test Site	SR7

IEEE 802.11n (40MHz), (ANT 1) Antenna Gain: 2dBi Duty Cycle: 1

Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	34.81	≥ 30	Pass
6	2437	41.30	≥ 30	Pass
9	2452	44.30	≥ 30	Pass

Channel 3





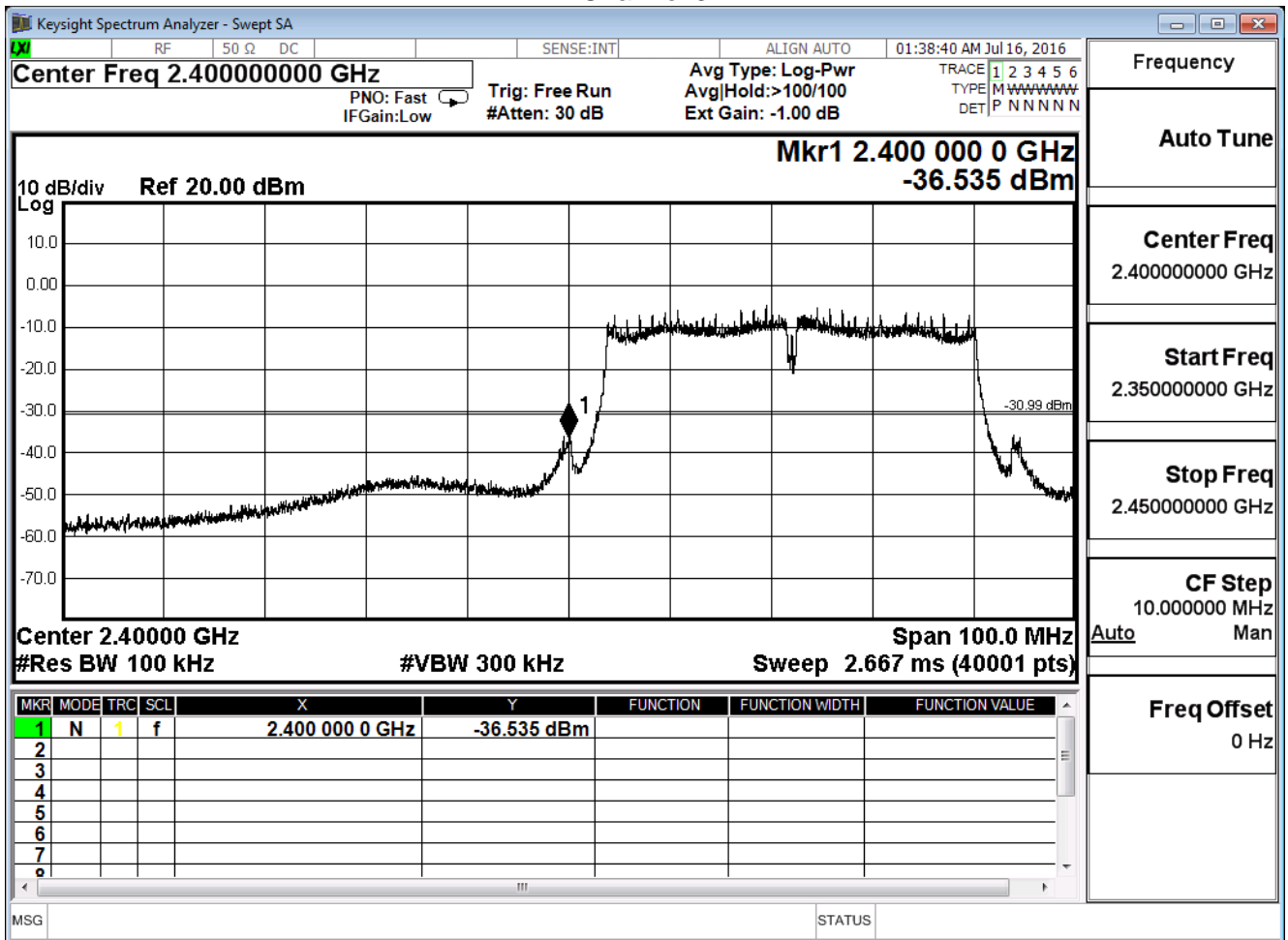


Product	Gigabit Router Dual-band Wireless-N900		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/16	Test Site	SR7

IEEE 802.11n (40MHz), (ANT 2) Antenna Gain: 2dBi Duty Cycle: 1

Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	35.55	≥ 30	Pass
6	2437	40.28	≥ 30	Pass
9	2452	42.80	≥ 30	Pass

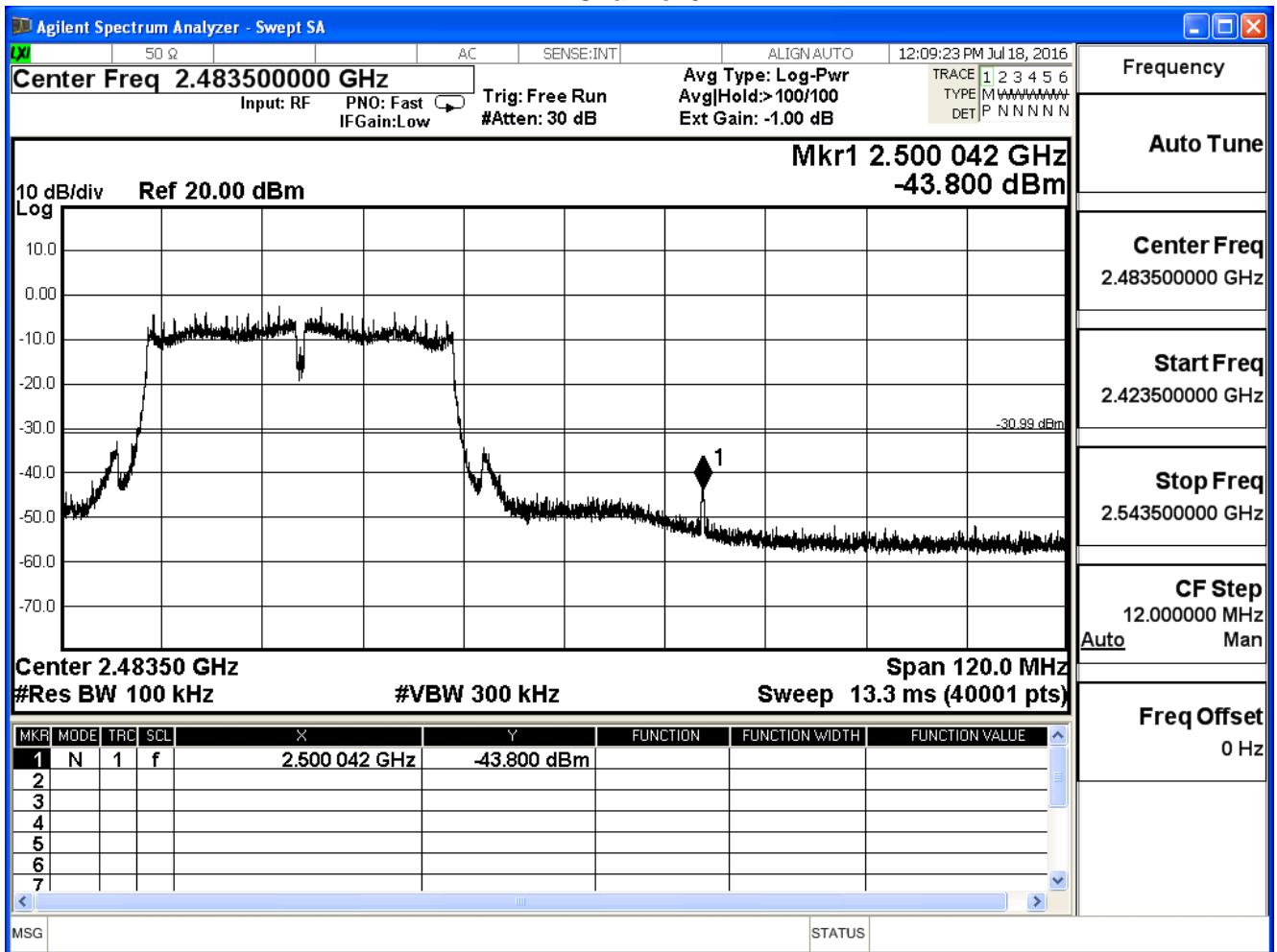
Channel 3





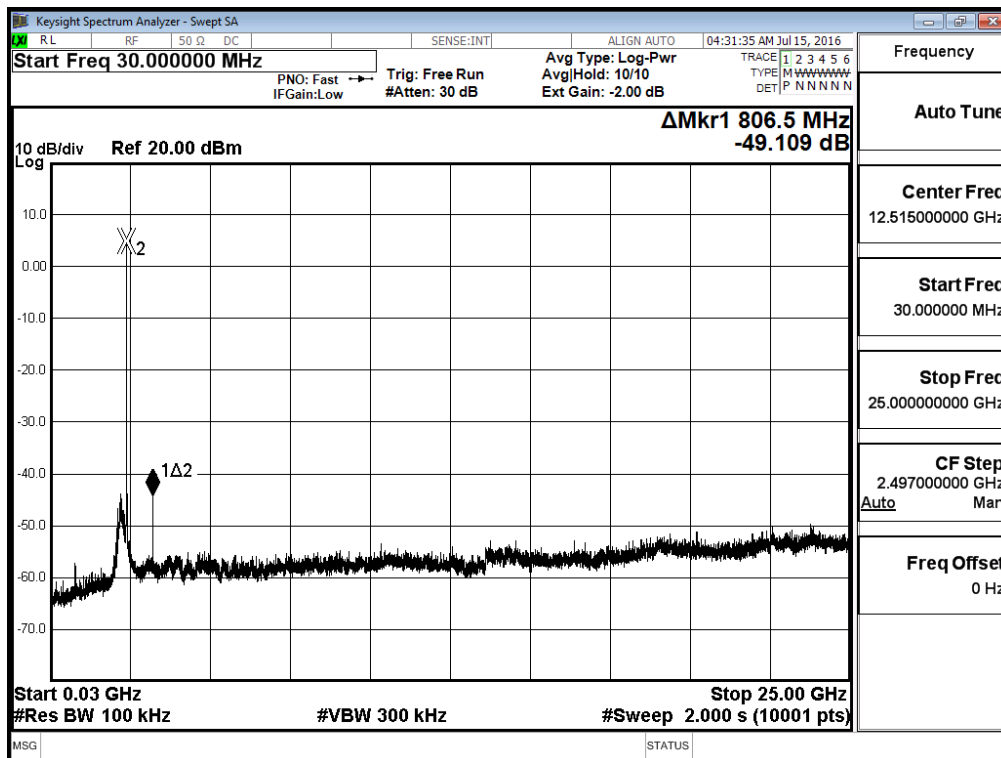


Channel 9

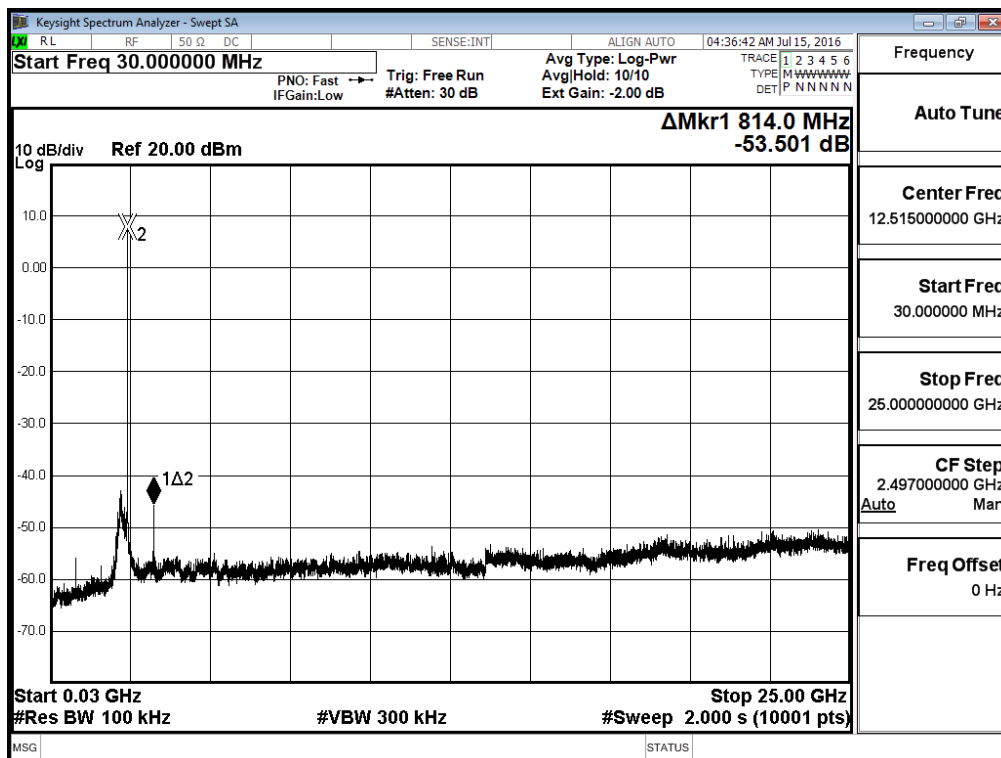


Product	Gigabit Router Dual-band Wireless-N900		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/15	Test Site	SR7

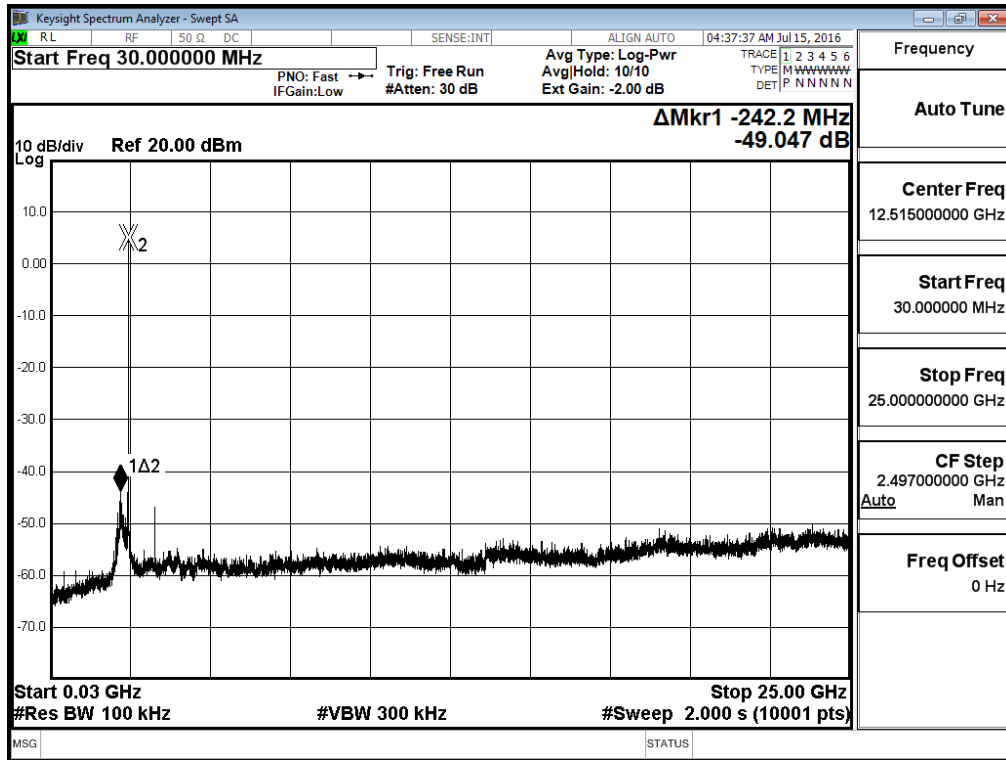
2412MHz (30MHz-25GHz)-802.11b (ANT 0)



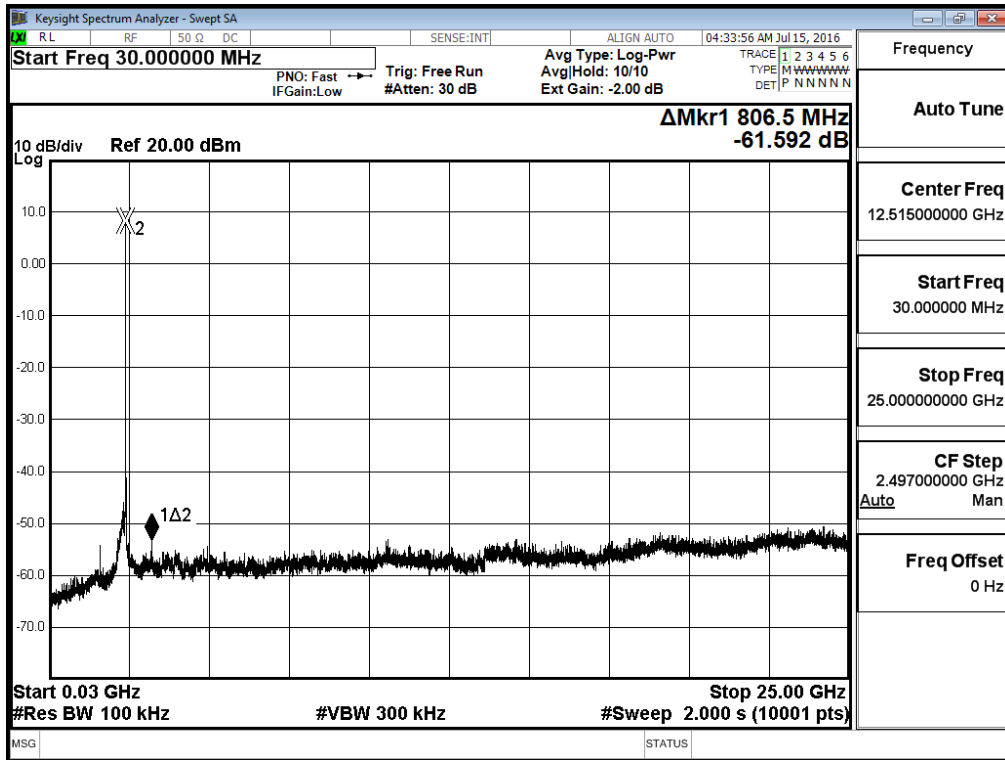
2437MHz (30MHz-25GHz)-802.11b (ANT 0)



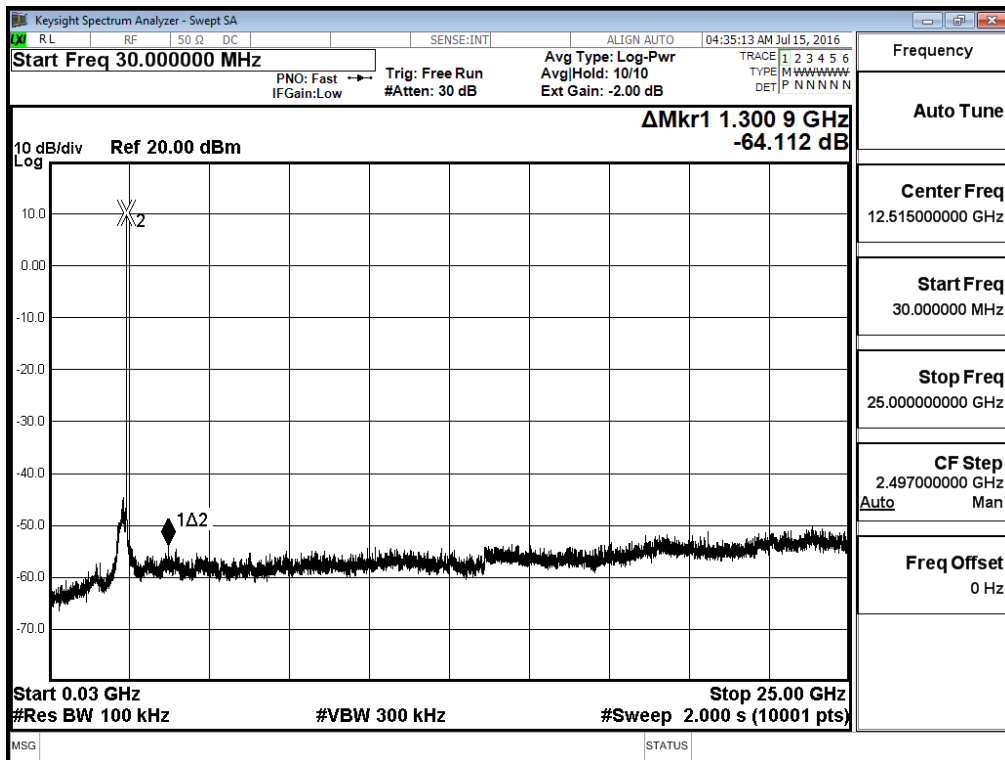
2462MHz (30MHz-25GHz) -802.11b (ANT 0)



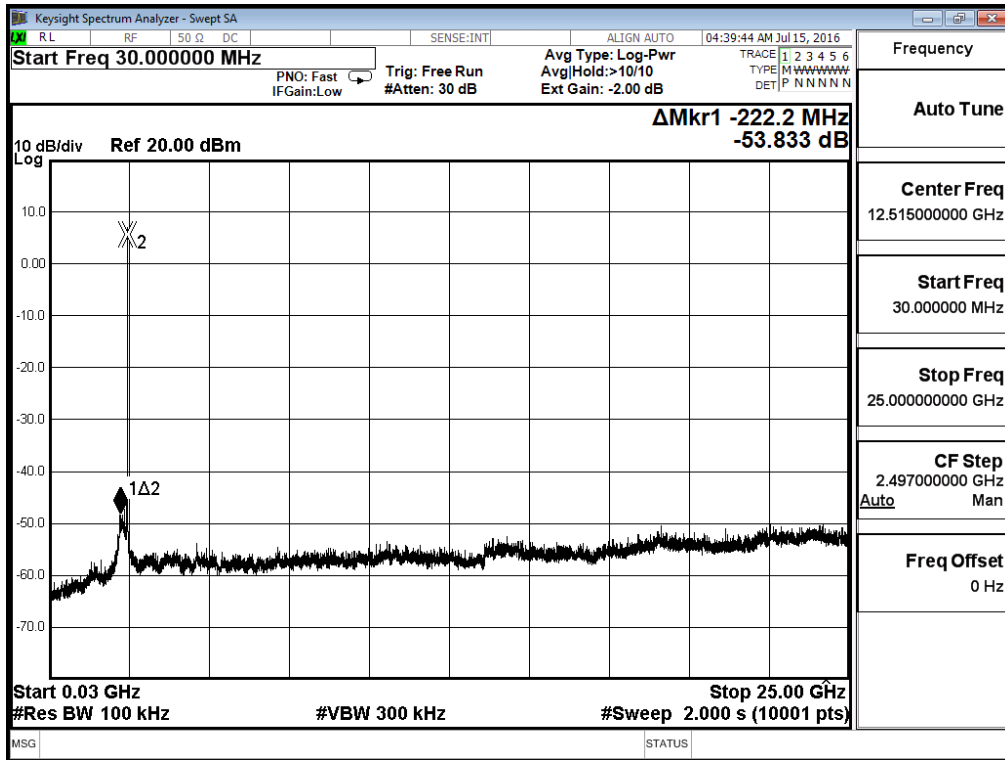
2412MHz (30MHz-25GHz)-802.11b (ANT 1)



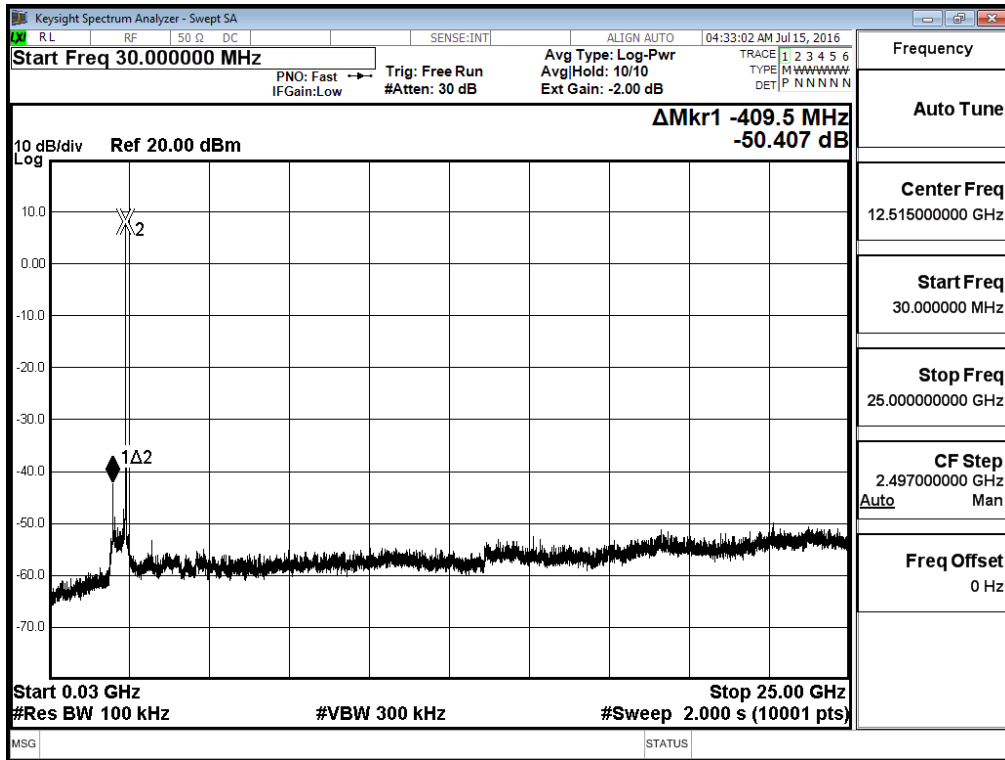
2437MHz (30MHz-25GHz)-802.11b (ANT 1)



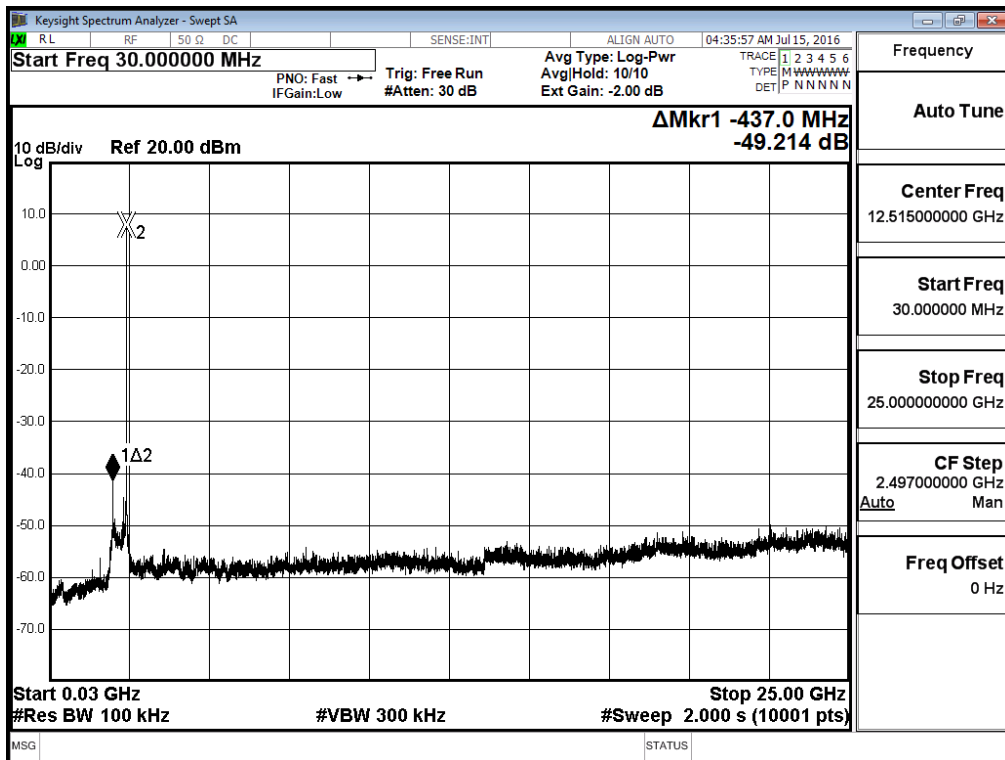
2462MHz (30MHz-25GHz) -802.11b (ANT 1)



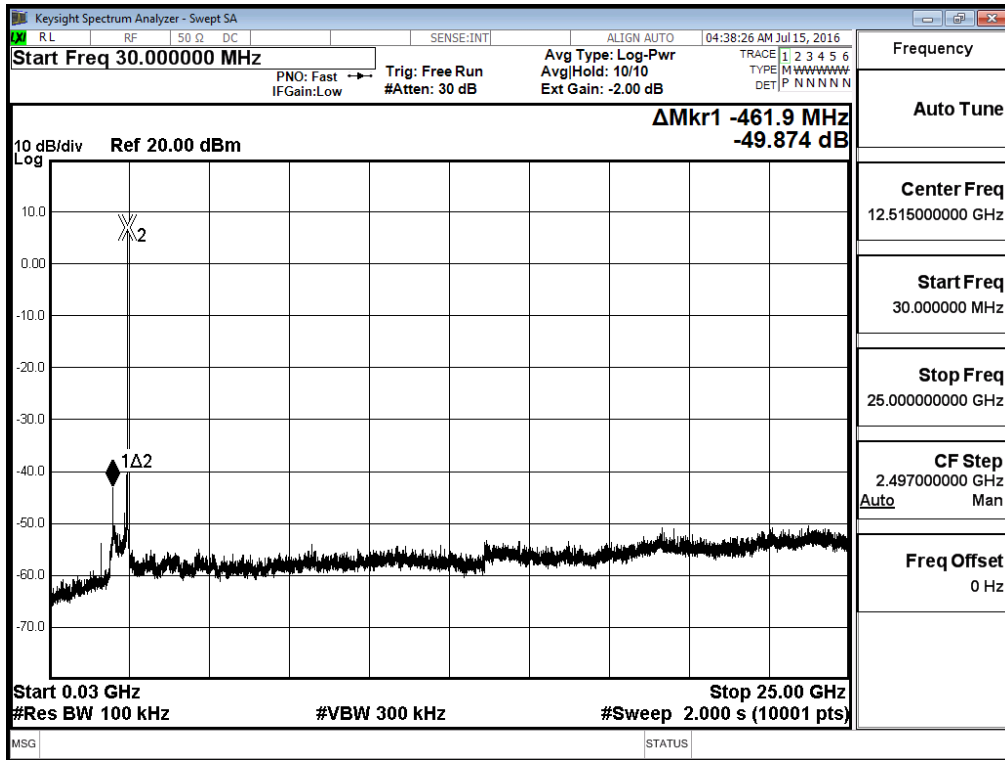
2412MHz (30MHz-25GHz)-802.11b (ANT 2)



2437MHz (30MHz-25GHz)-802.11b (ANT 2)

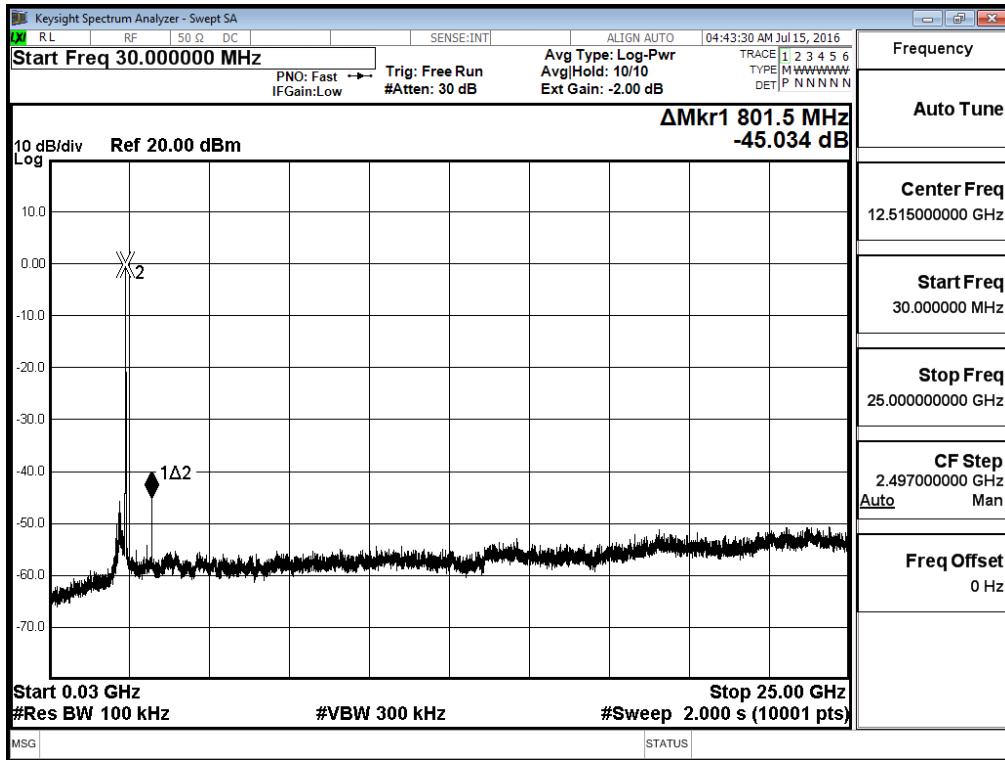


2462MHz (30MHz-25GHz) -802.11b (ANT 2)

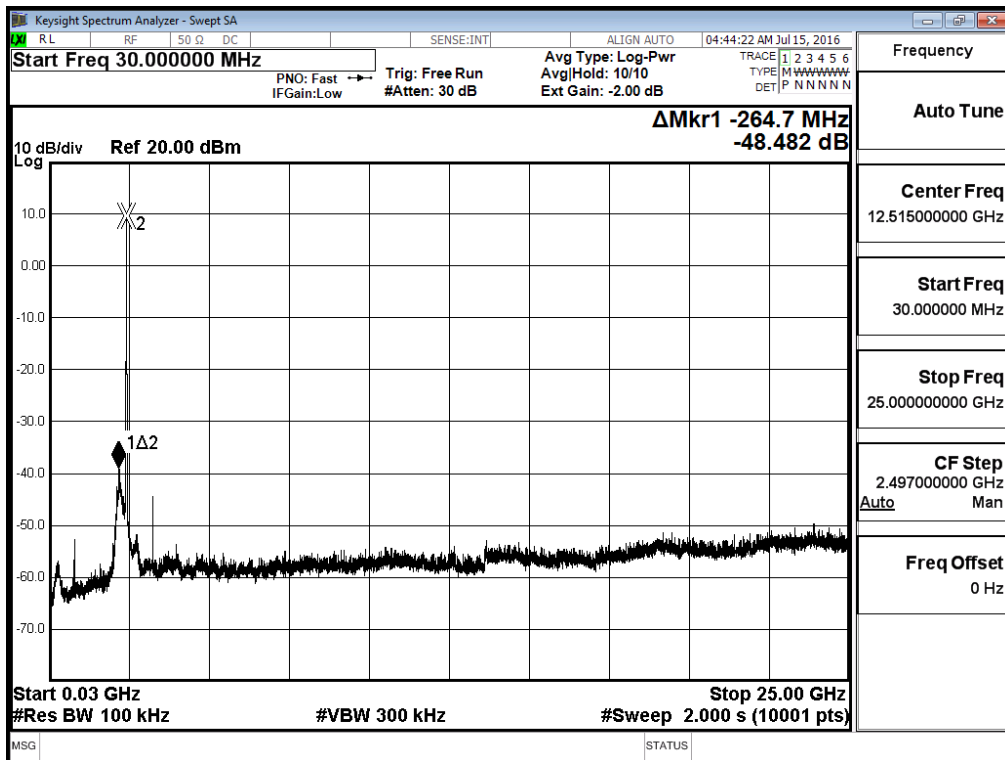




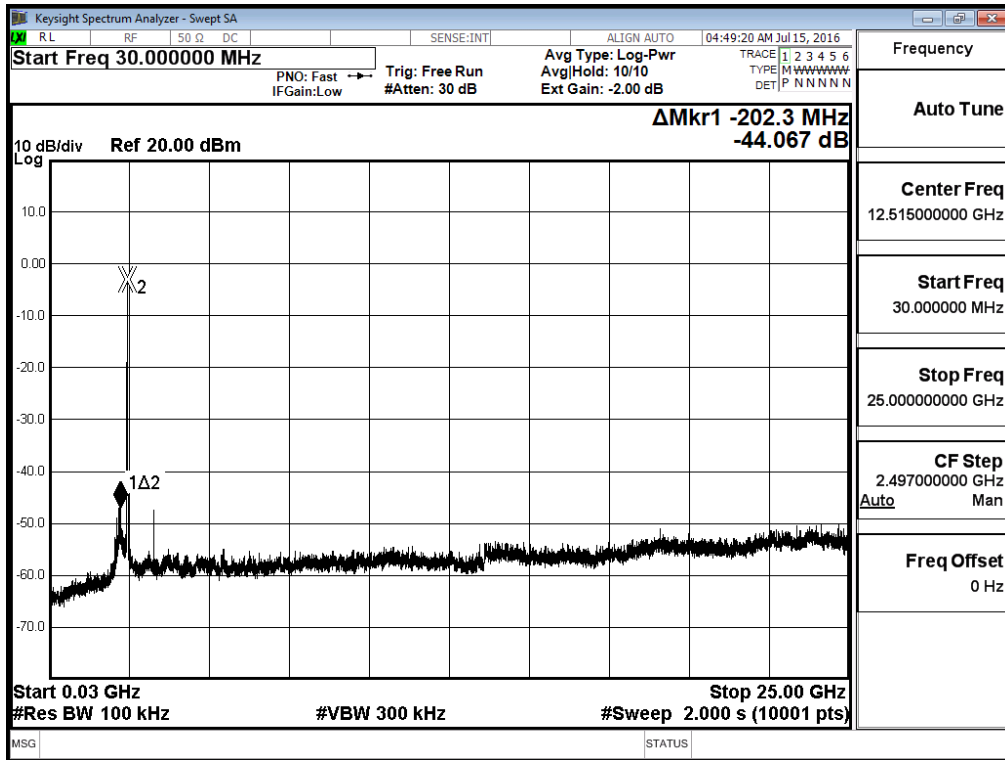
2412MHz (30MHz-25GHz)-802.11g (ANT 0)



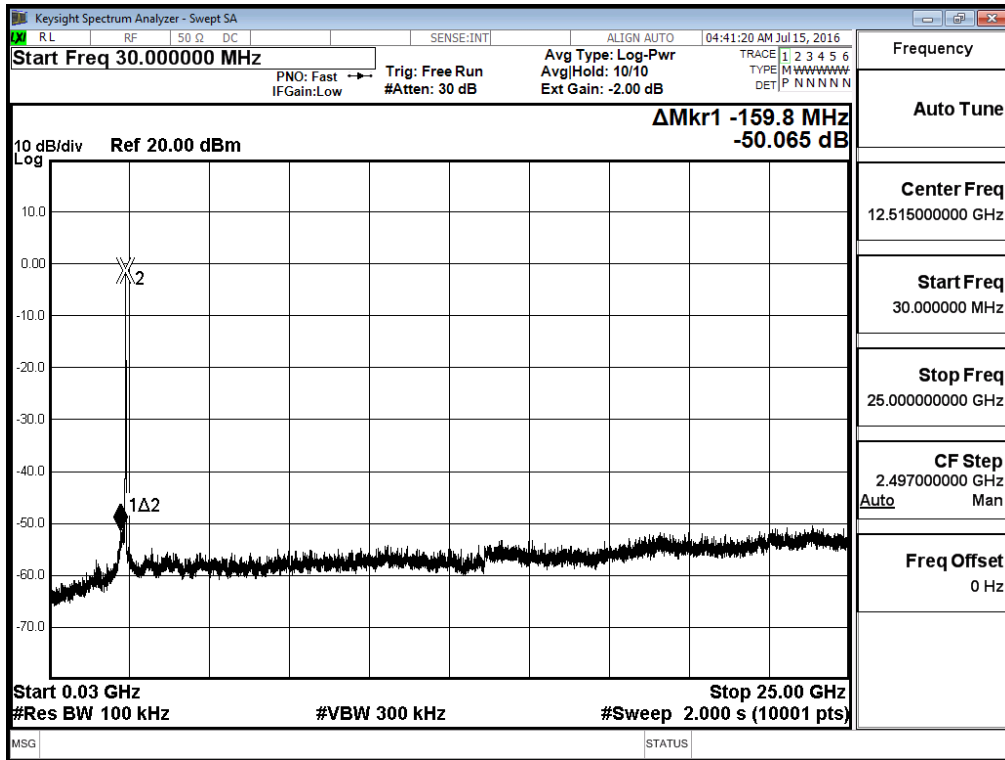
2437MHz (30MHz-25GHz)-802.11g (ANT 0)



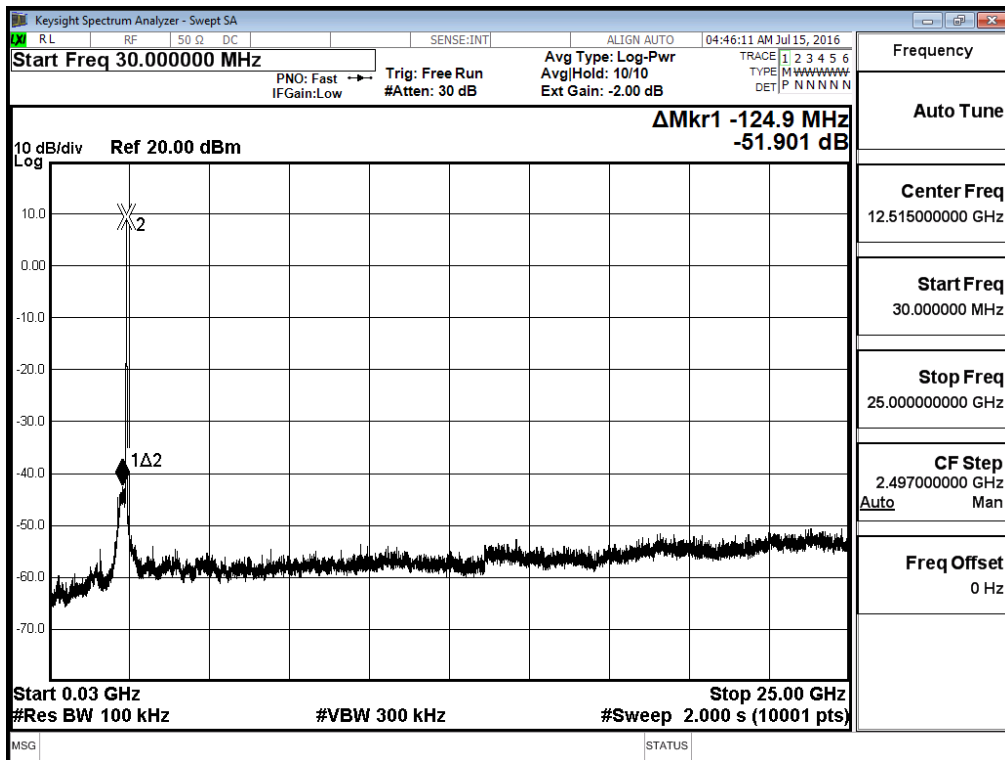
2462MHz (30MHz-25GHz) -802.11g (ANT 0)



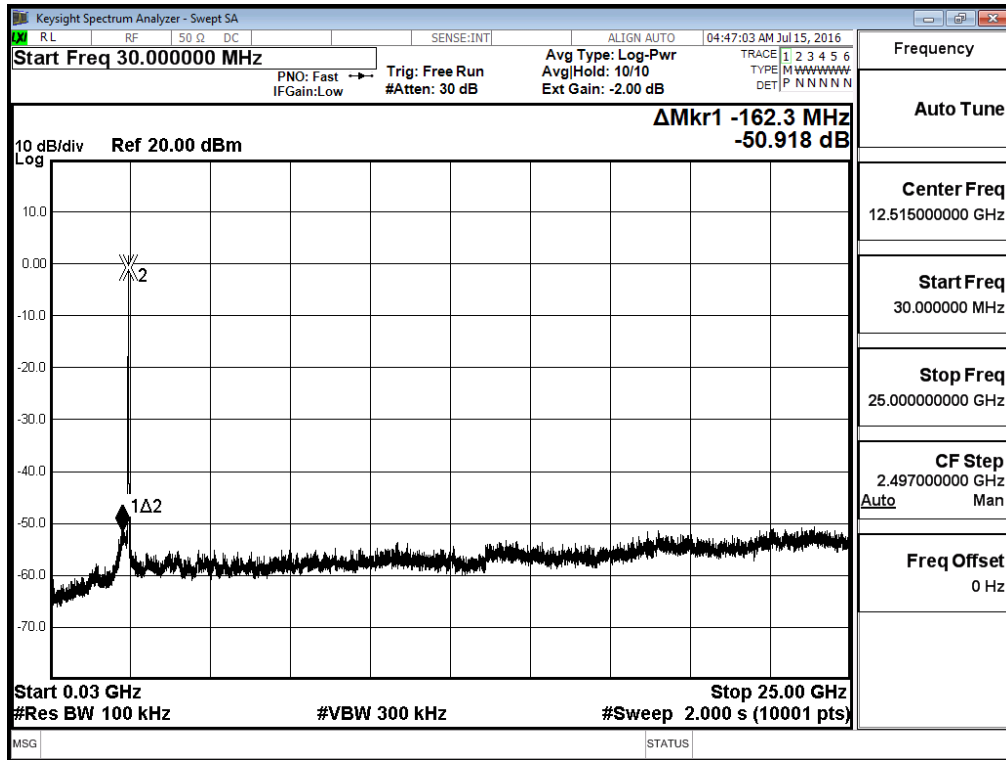
2412MHz (30MHz-25GHz)-802.11g (ANT 1)



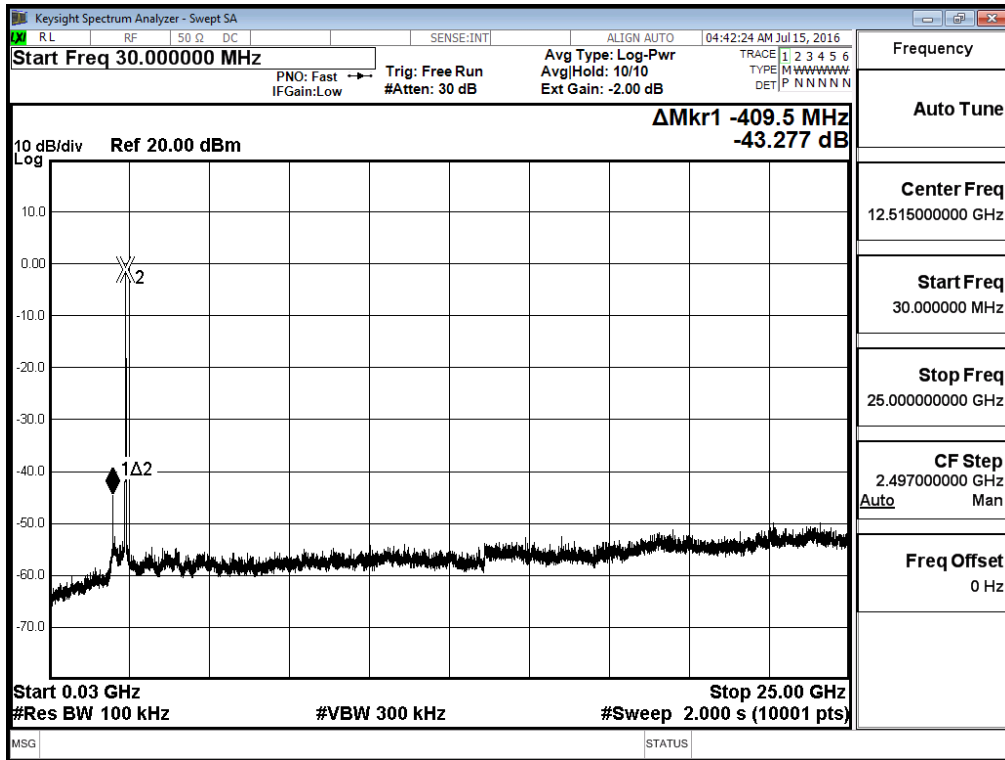
2437MHz (30MHz-25GHz)-802.11g (ANT 1)



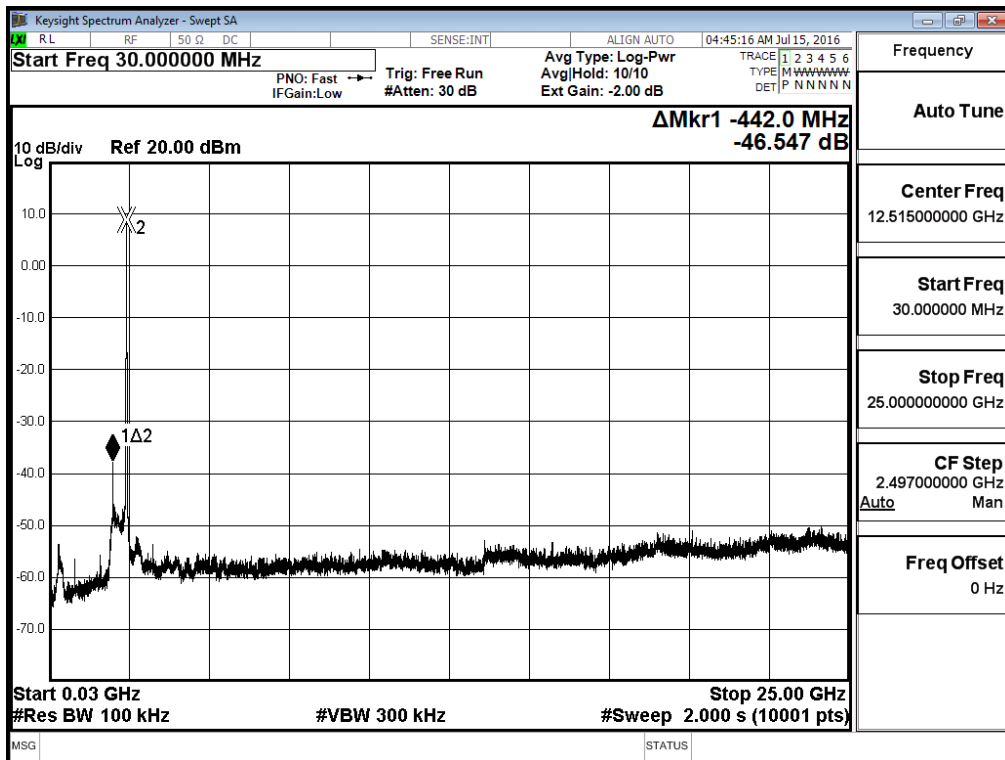
2462MHz (30MHz-25GHz) -802.11g (ANT 1)



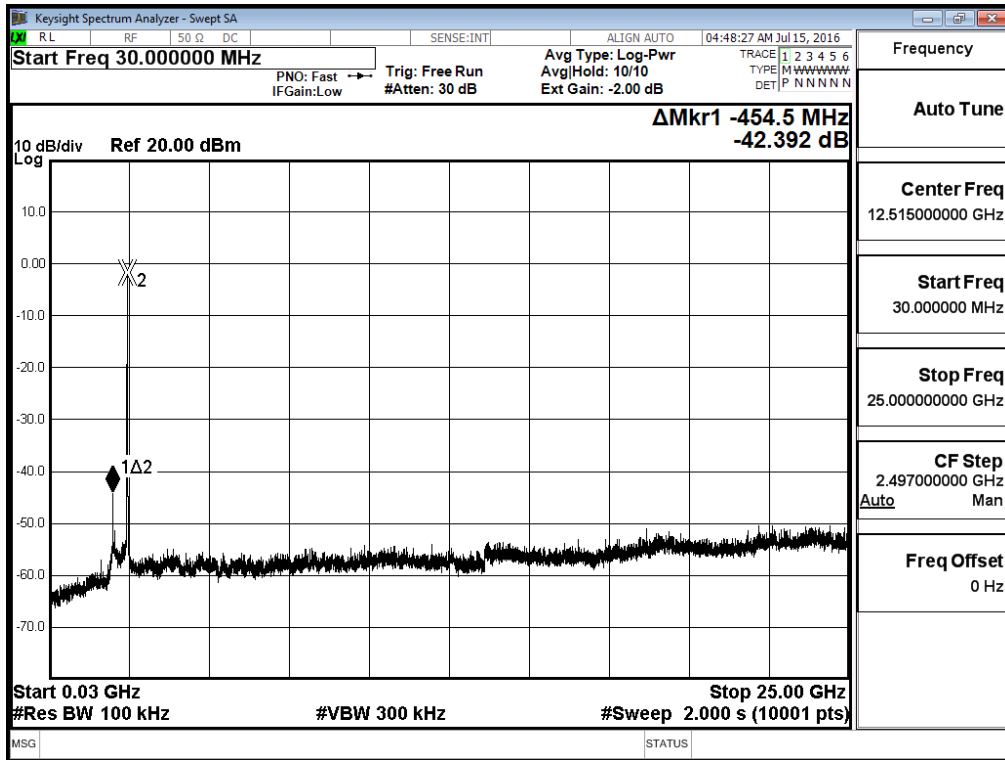
2412MHz (30MHz-25GHz)-802.11g (ANT 2)



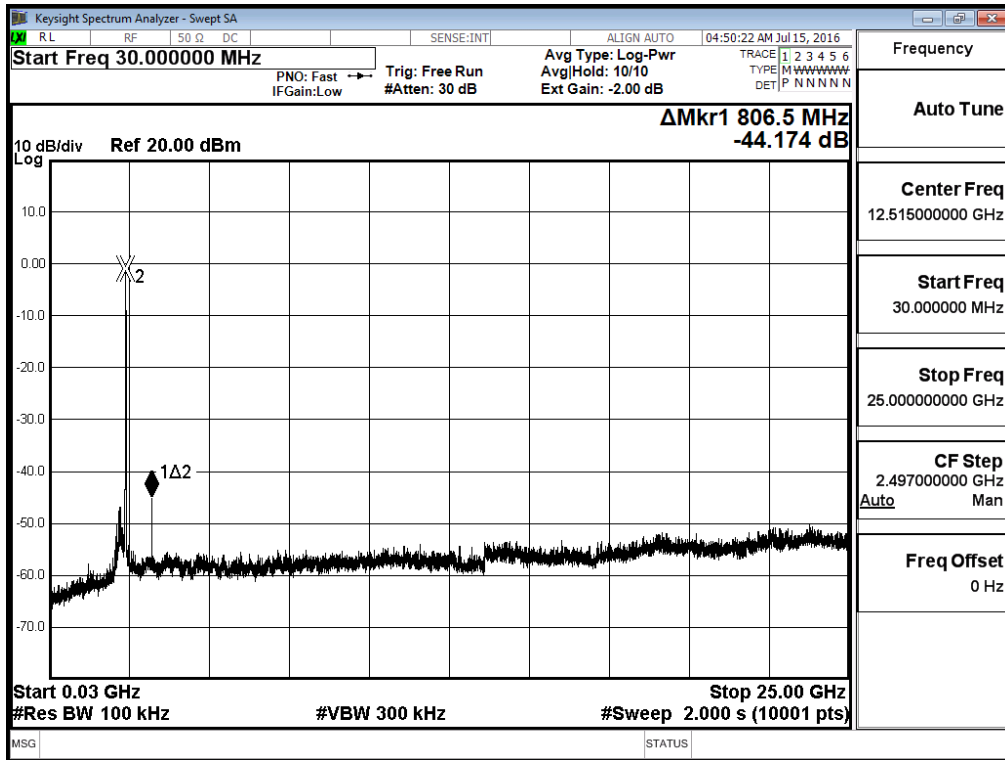
2437MHz (30MHz-25GHz)-802.11g (ANT 2)



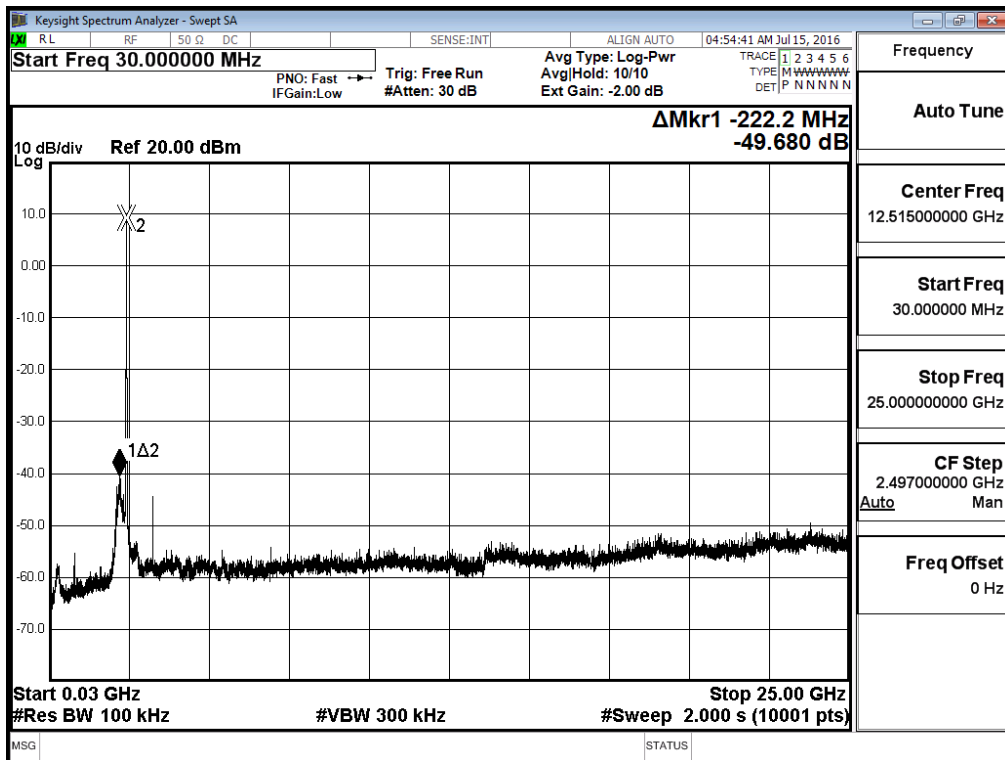
2462MHz (30MHz-25GHz) -802.11g (ANT 2)



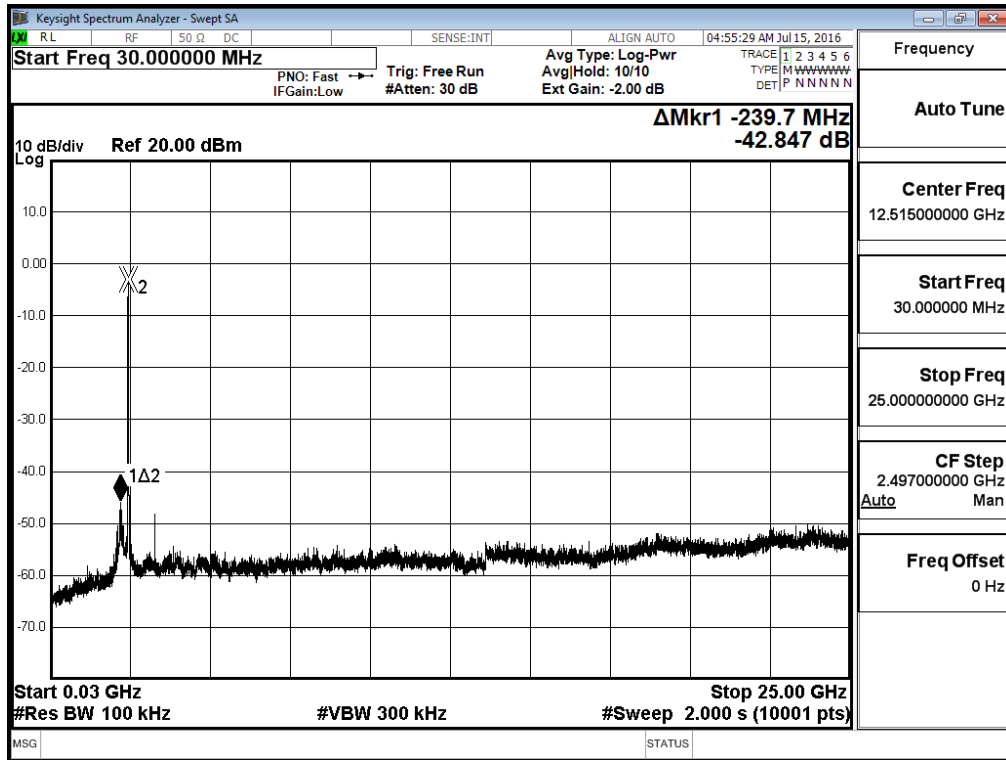
2412MHz (30MHz-25GHz)- 802.11n(20MHz)(ANT 0)



2437MHz (30MHz-25GHz)- 802.11n(20MHz)(ANT 0)

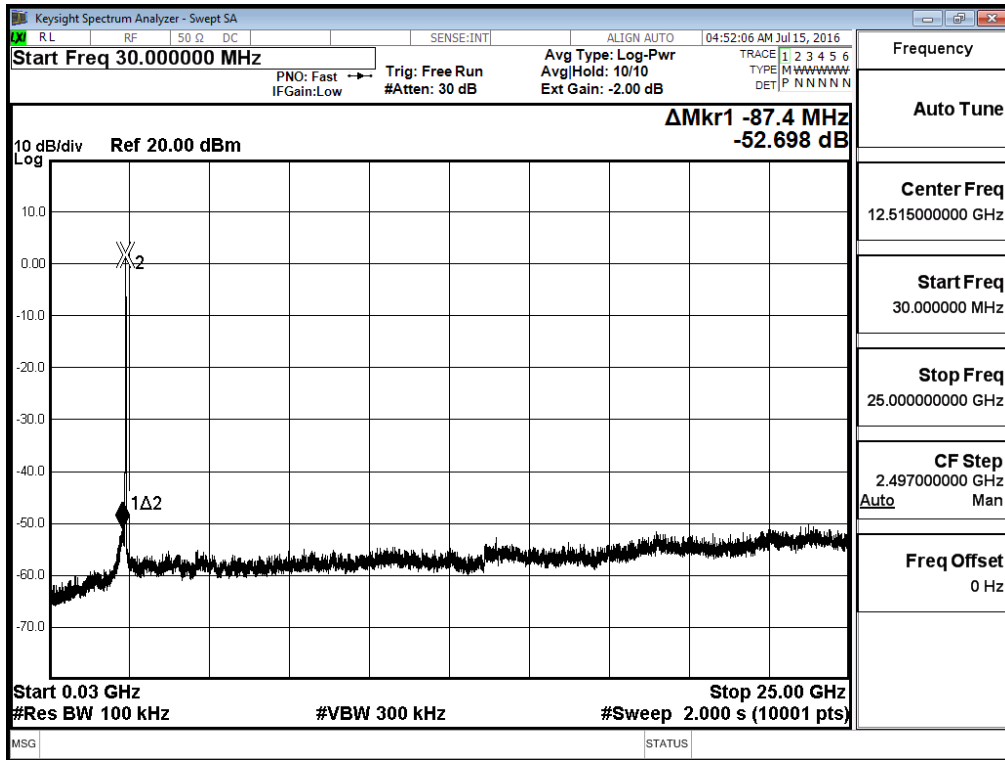


2462MHz (30MHz-25GHz) -802.11n(20MHz)(ANT 0)

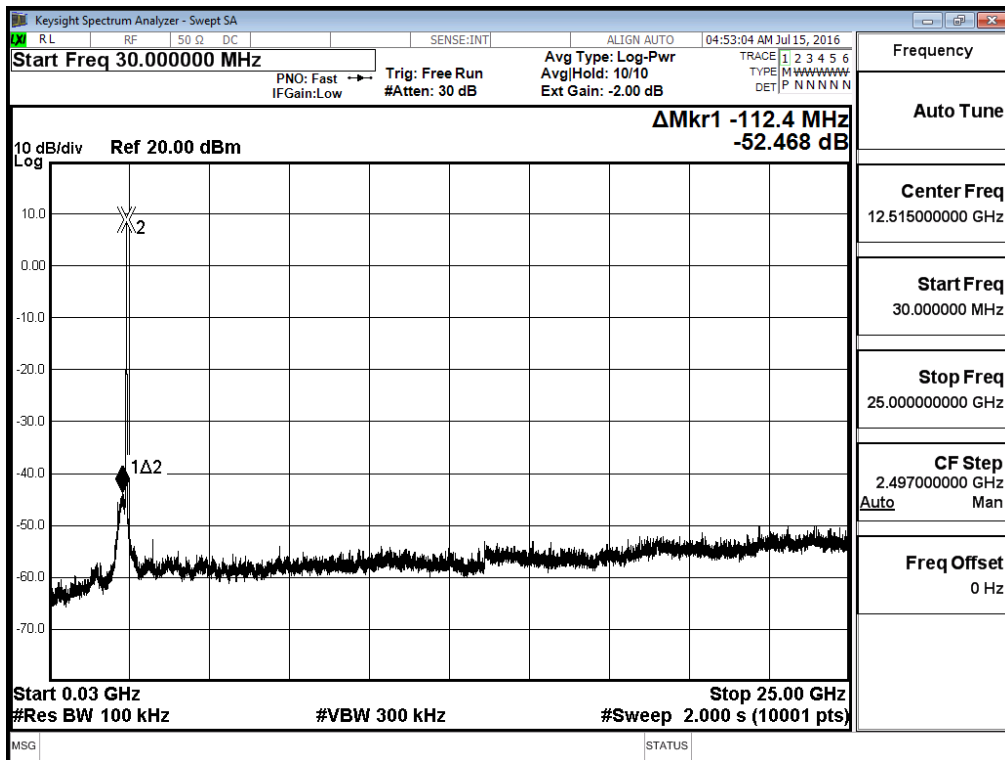




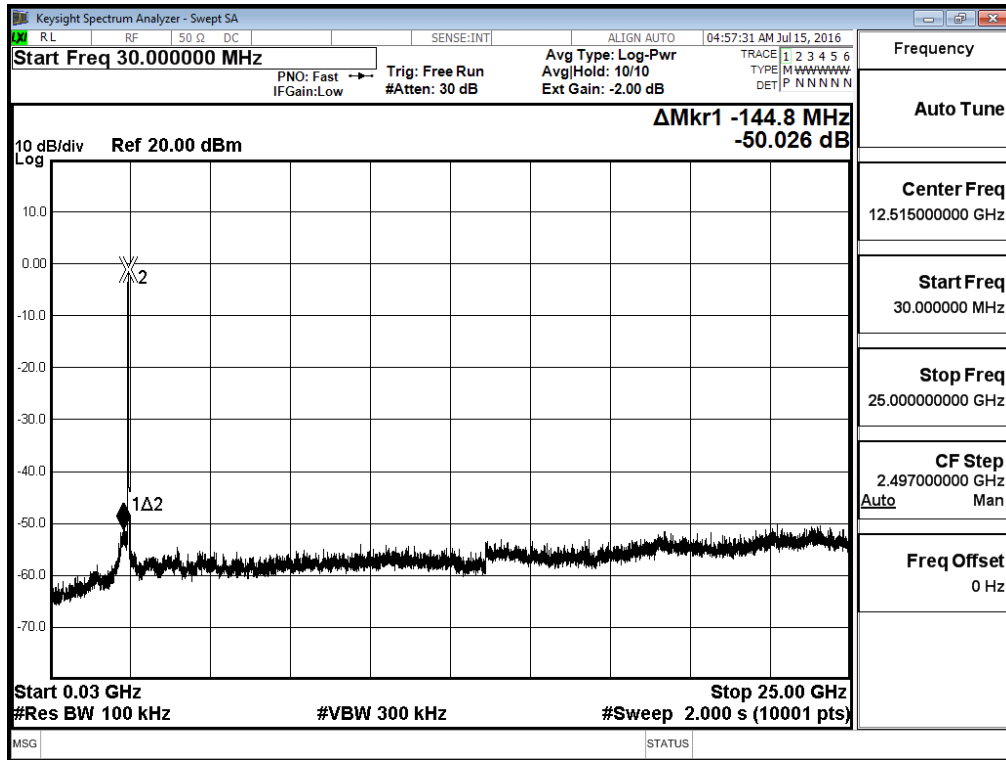
2412MHz (30MHz-25GHz)- 802.11n(20MHz)(ANT 1)



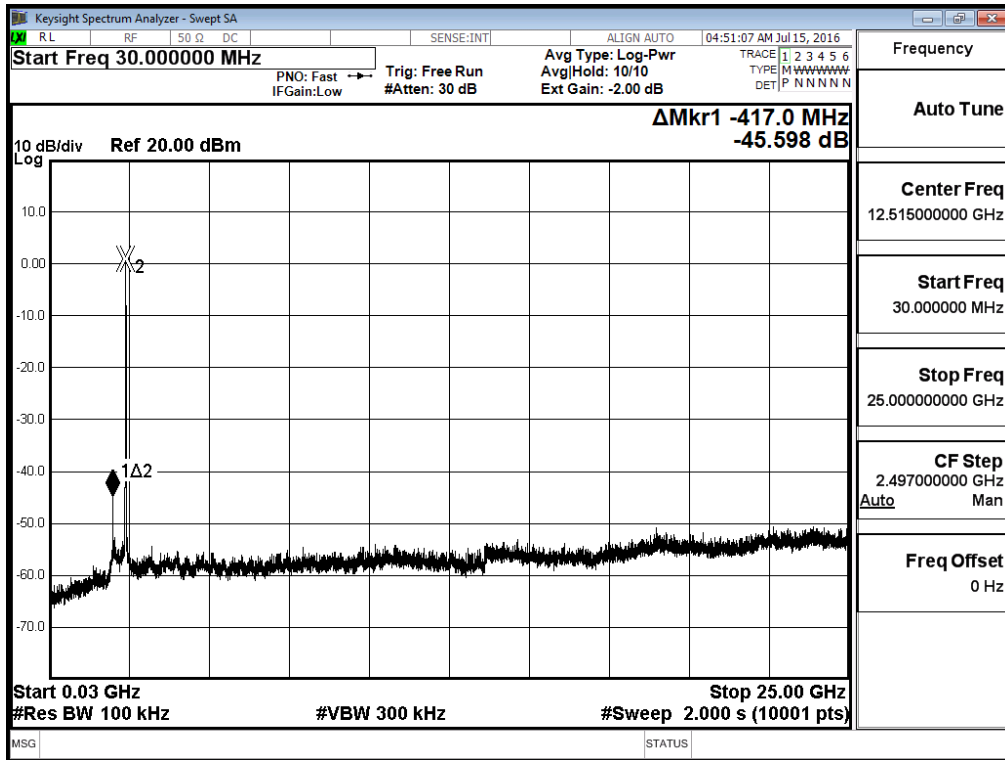
2437MHz (30MHz-25GHz)- 802.11n(20MHz)(ANT 1)



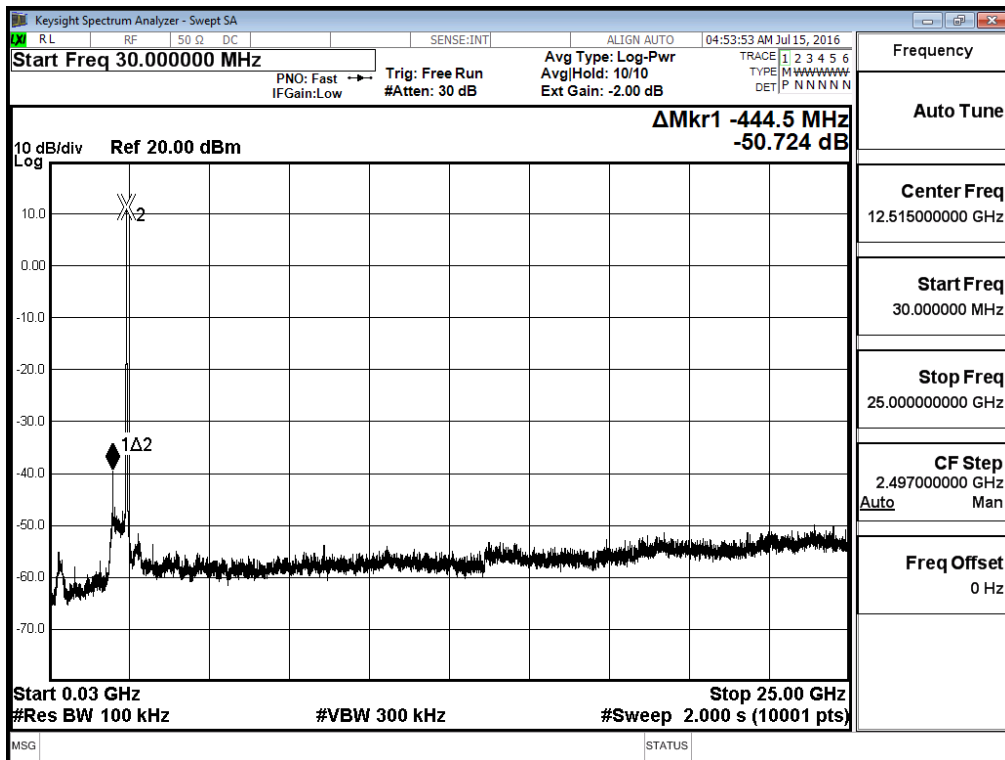
2462MHz (30MHz-25GHz) -802.11n(20MHz)(ANT 1)



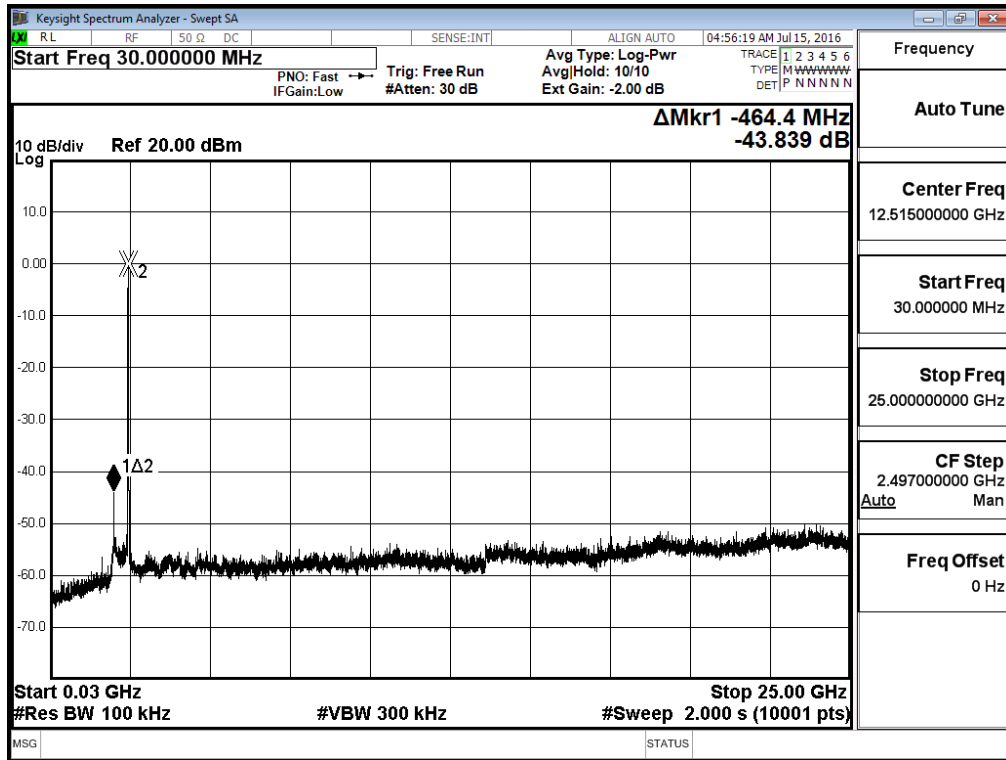
2412MHz (30MHz-25GHz)- 802.11n(20MHz)(ANT 2)



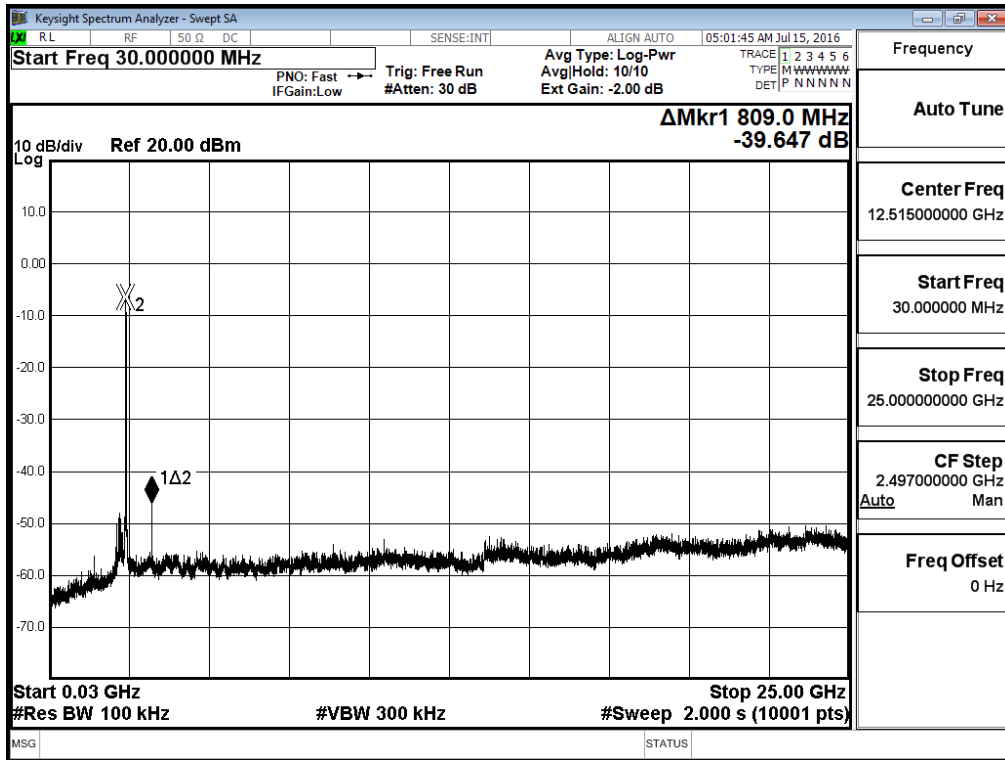
2437MHz (30MHz-25GHz)- 802.11n(20MHz)(ANT 2)



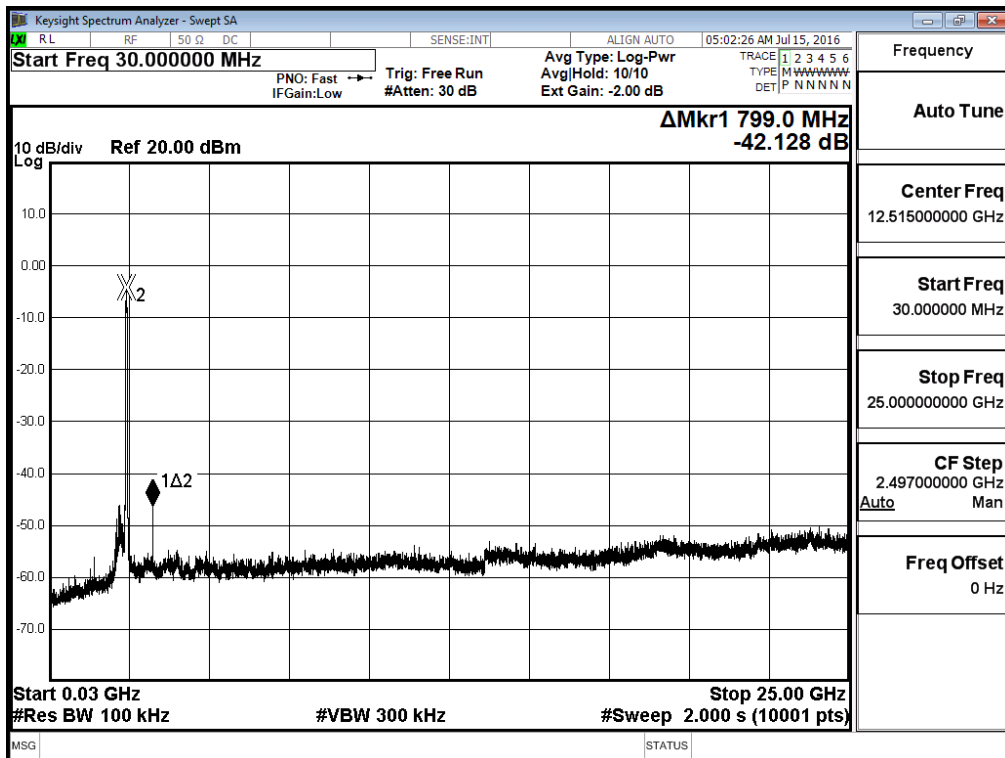
2462MHz (30MHz-25GHz) -802.11n(20MHz)(ANT 2)



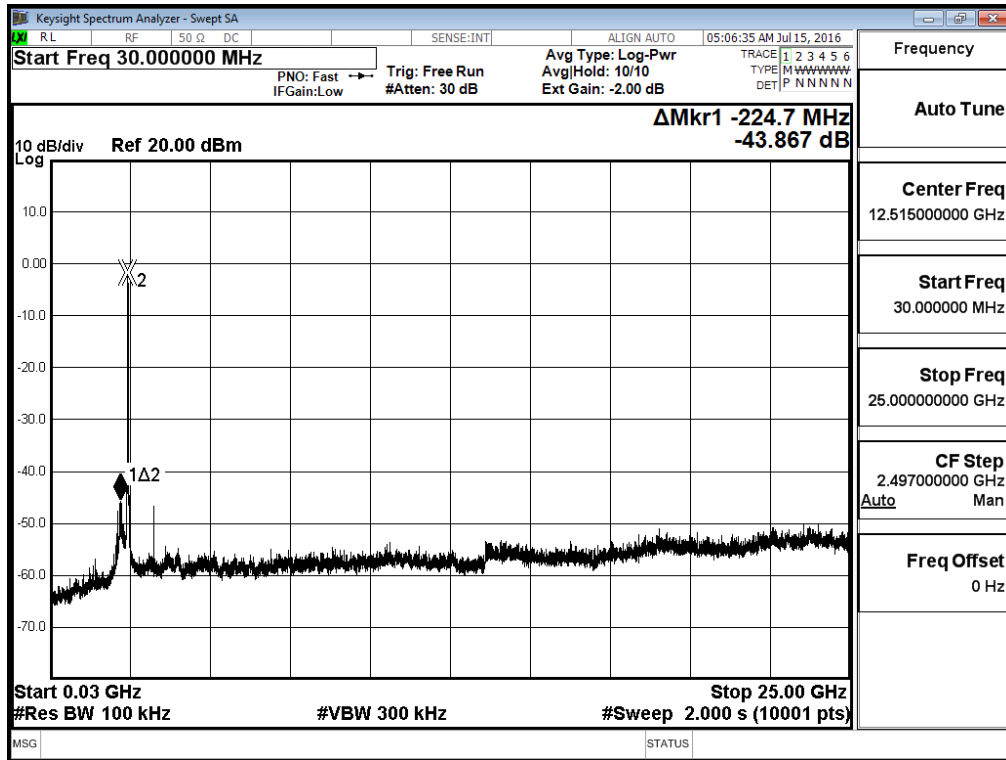
2422MHz (30MHz-25GHz)- 802.11n(40MHz)-(ANT 0)



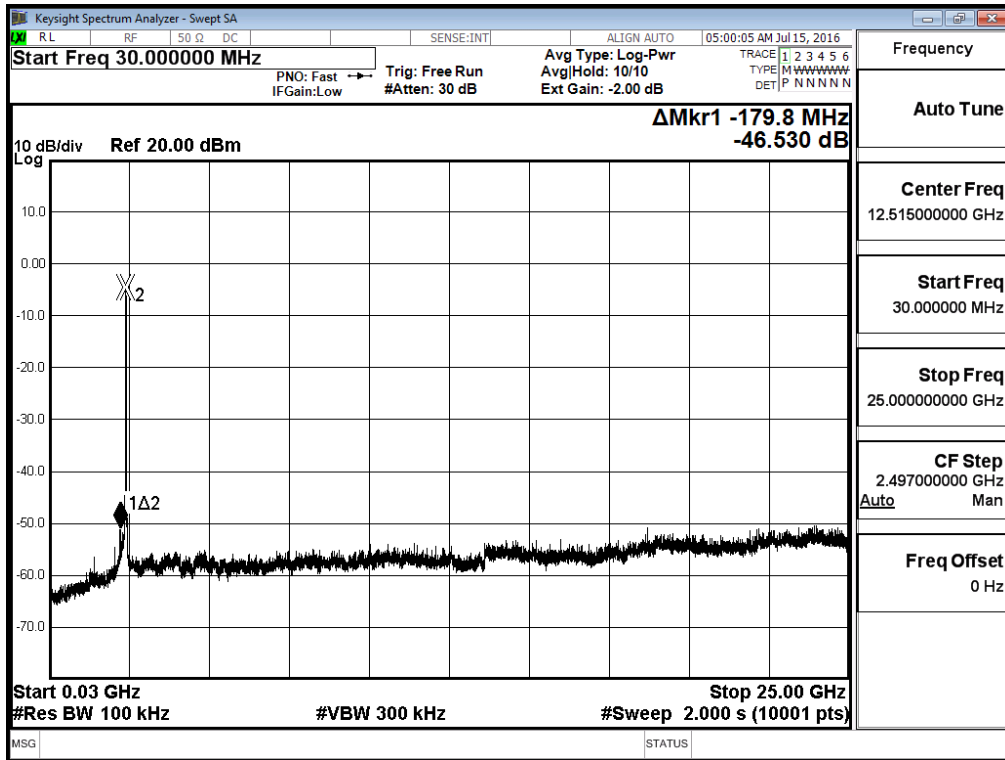
2437MHz (30MHz-25GHz)- 802.11n(40MHz)- (ANT 0)



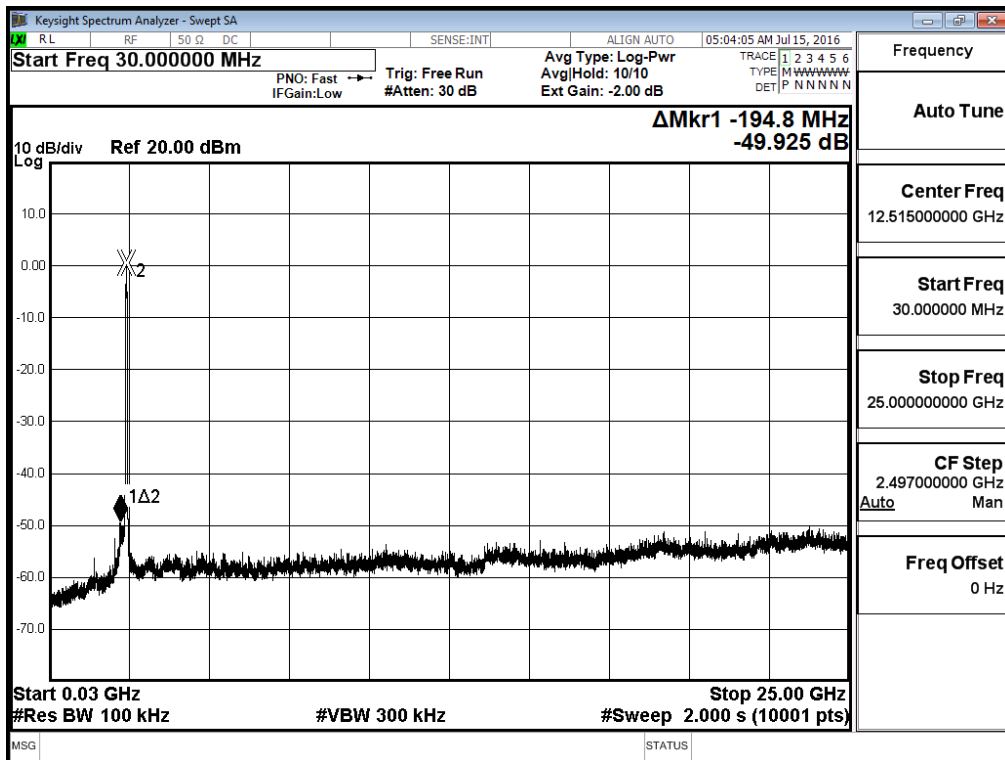
2452MHz (30MHz-25GHz) -802.11n(40MHz) (ANT 0)



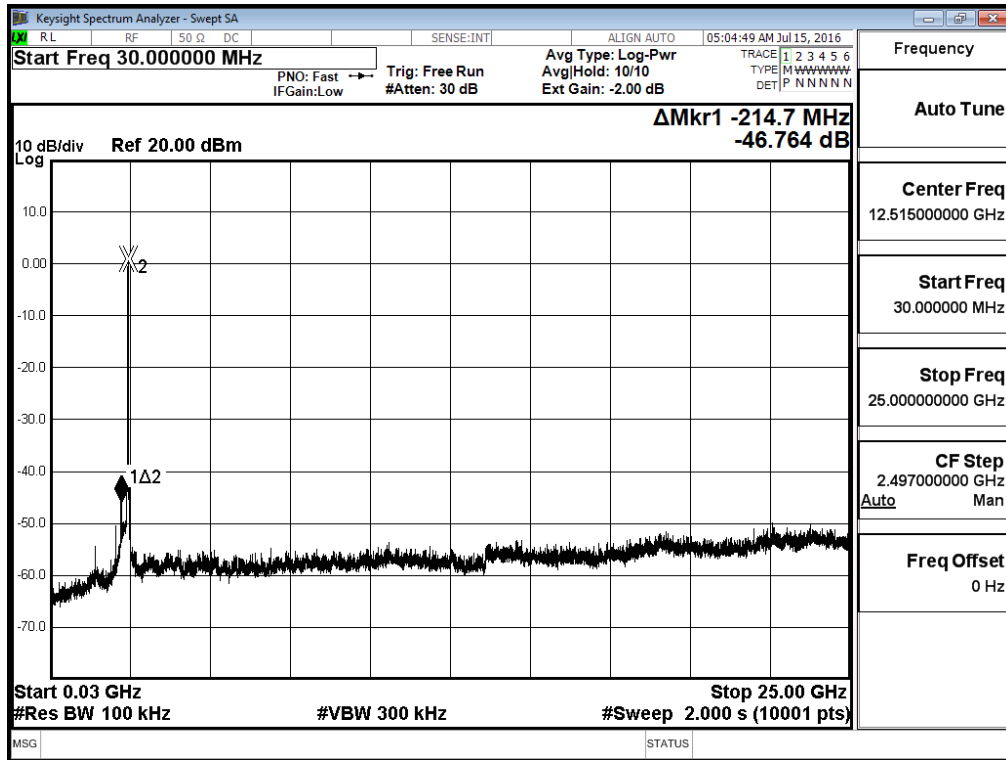
2422MHz (30MHz-25GHz)- 802.11n(40MHz) (ANT 1)



2437MHz (30MHz-25GHz)- 802.11n(40MHz) (ANT 1)

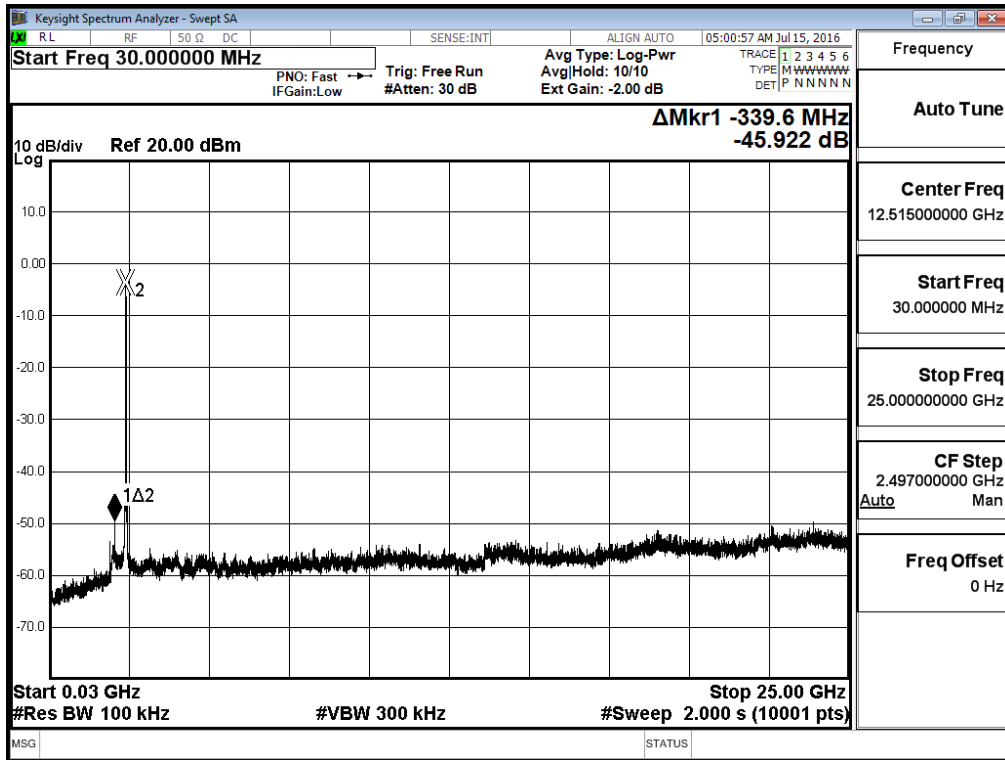


2452MHz (30MHz-25GHz) -802.11n(40MHz) (ANT 1)

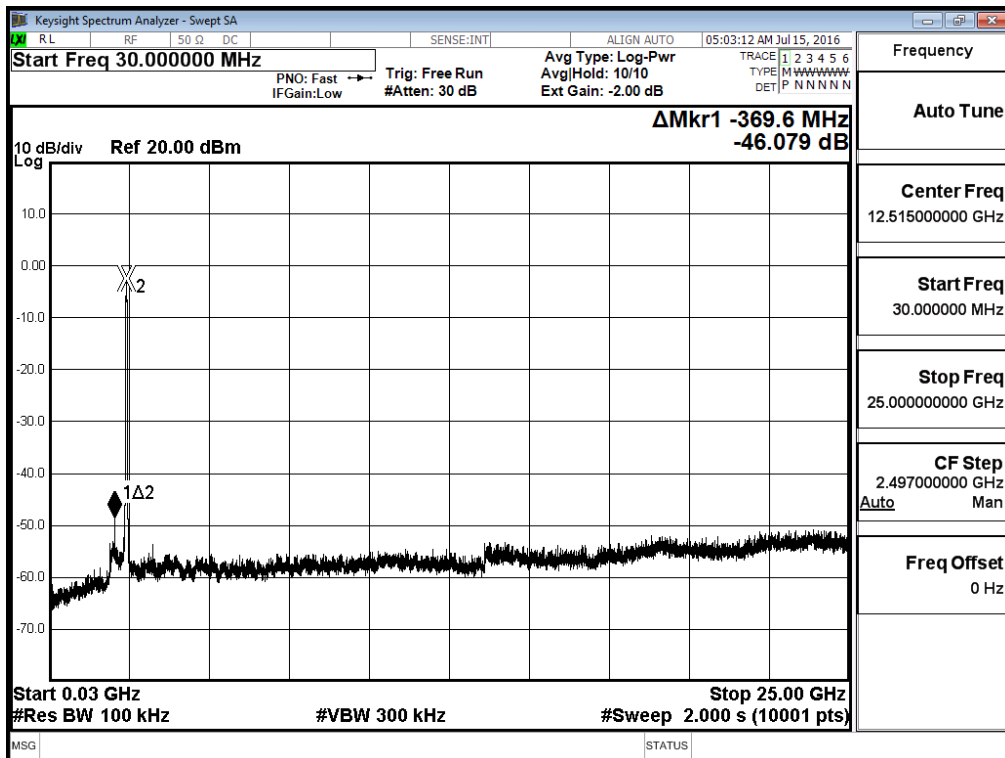




2422MHz (30MHz-25GHz)- 802.11n(40MHz) (ANT 2)



2437MHz (30MHz-25GHz)- 802.11n(40MHz) (ANT 2)



2452MHz (30MHz-25GHz) -802.11n(40MHz) (ANT 2)

