FCC Test Report

Product Name	：	Dual Band 3x3 802.11AC Gigabit Router
Trade Name	：	ASUS
Model No.	：	RT-AC66U, RT-AC66R, RT-AC66W, SP-AC2015, RT-AC1750
FCC ID.	：	MSQ-RTAC66U

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

Date of Receipt	：	Dec. 18, 2015
Issued Date	：	Jan. 19, 2016
Report No.	：	1620194R-RFUSP28V00
Report Version	：	V1.0

Testing Laboratory
3024

Test Report Certification

Issued Date : Jan. 19, 2016
Report No. : 1620194R-RFUSP28V00

Product Name	:	Dual Band 3x3 802.11AC Gigabit Router
Applicant	:	ASUSTeK COMPUTER INC.
Address	:	4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan
Manufacturer	:	(1) Askey Technology (Jiang Su) Ltd. (2) Compal Networking (KunShan) Co., Ltd.
Model No.	:	RT-AC66U, RT-AC66R, RT-AC66W, SP-AC2015, RT-AC1750
FCC ID.	:	MSQ-RTAC66U
EUT Rated Voltage	:	19V ⎓ 1.58A
EUT Test 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 15.247:2011 ANSI C63.4: 2009
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 : (Carol Tsai / Senior Engineering Adm. Specialist)

Tested By : (Bruno Tsai / Engineer)

Approved By : (Roy Wang / Director)

Revision History

Report No.	Version	Description	Issued Date
125201R-RFUSP42V01	V2.0	Initial issue of report	May 21, 2012
1590191R-RFUSP35V00	V2.0	Add two Level 6's adapter (AD890326 and ADP-33AW). Add the test data of conducted and radiated emission (under 1GHz)	Sep. 23, 2015
1610206R-RFUSP54V00	V1.0	Add one mode number (RT-AC1750)	Jan. 13, 2016
1620194R-RFUSP28V00	V1.0	Change 2.4G PA , Modify all Test Item.	Jan. 19, 2016

Laboratory Information

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

Taiwan R.O.C.	**:**	**TAF, Accreditation Number: 3024**
USA	**:**	**FCC, Registration Number: 365520**
Canada	**:**	**IC, Submission No: 181665 / IC Registration Number: 4075C-4**

The related certificate for our laboratories about the test site and management system can be downloaded from QuieTek Corporation's Web Site:http://www.quietek.com/english/about/certificates.aspx?bval=5
The address and introduction of QuieTek Corporation's laboratories can be founded in our Web site : http://www.quietek.com/index_en.aspx
If you have any comments, Please don't hesitate to contact us. Our contact information is as below:

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1. General Information

1.1. EUT Description

Product Name	Dual Band 3x3 802.11AC Gigabit Router	
Product Type	WLAN(3TX,3RX)	
Trade Name	ASUS	
Model No.	RT-AC66U, RT-AC66R, RT-AC66W, SP-AC2015, RT-AC1750	
Frequency Range/ Channel Number	IEEE 802.11b/g/ IEEE 802.11n (20MHz)	2412~2462MHz / 11 Channels
	IEEE 802.11n (40MHz)	2422~2452MHz / 7Channels
Type of Modulation	IEEE 802.11b	Direct Sequence Spread Spectrum
	IEEE 802.11g/n	Orthogonal Frequency Division Multiplexing
Data Speed	IEEE 802.11b	1, 2, 5.5, 11Mbps
	IEEE 802.11n	Support a subset of the combination of GI, MCS 0~MCS 23 and bandwidth defined in 802.11n

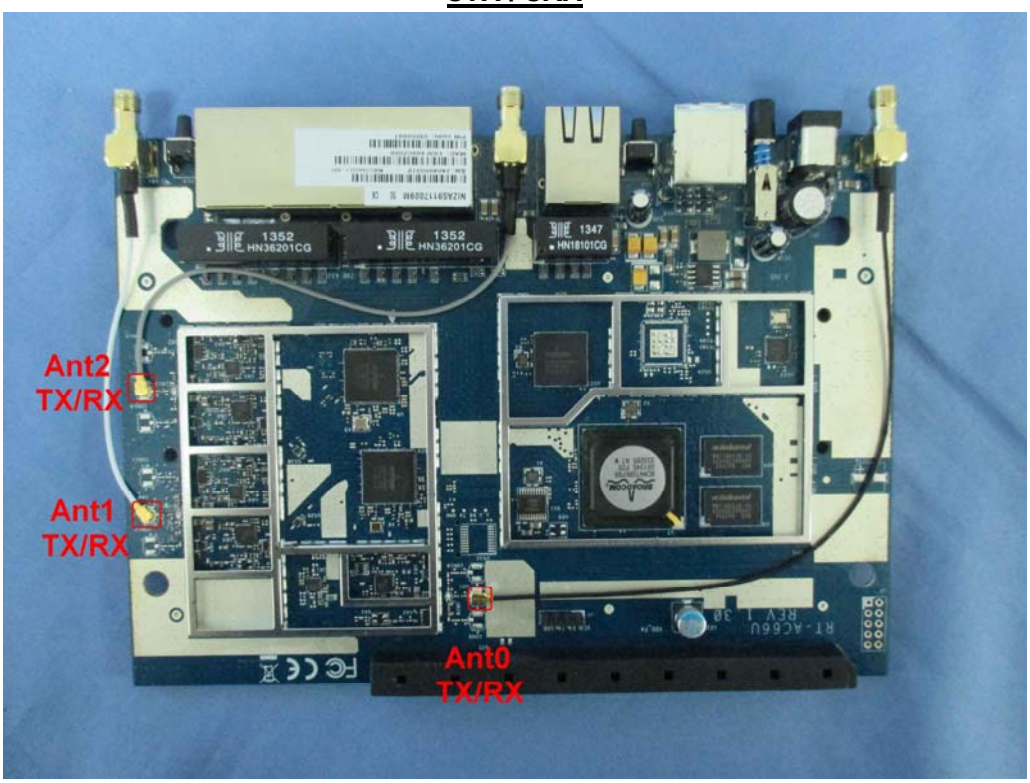
Antenna Information	
Antenna Type	Dipole
Antenna Gain	2dBi

Accessories Information	
Antenna	ARISTOTLE, RFA-25-C35-M10, 3 Pcs
Antenna	MAG. LAYERS, EDA-1410-25GR2-A1_V01, 3 Pcs
Antenna	Walsin, RFDPA141000SBLB801, 3 Pcs
LAN Cable	Non-Shielded, 1.5m
Power Adatper 1	ASUS, ADP-33AW I/P : 100-240V~1A 50-60Hz O/P : 19V ⎓ 1.75A Cable Out: Non-shielded, 2m
Power Adatper 2	ASUS, AD890326 I/P : 100-240V~ 50/60Hz 0.8A O/P : 19V ⎓ 1.75A Cable Out: Non-Shielded, 2m

ANT-TX / RX & Bandwidth

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

3TX / 3RX



IEEE 802.11n

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

Table 1 – MCS parameters for TX Antenna number = 1

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

Table 2 – MCS parameters for TX Antenna number = 2

MCS Index	Modulation	R	N_{BPSCS}	N_{CBPS}		N_{DBPS}		Data Rate(Mb/s)			
				20MHz	40MHz	20MHz	40MHz	800ns GI		400ns GI	
								20MHz	40MHz	20MHz	40MHz
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_{BPSC}	Number of coded bits per single carrier
N_{CBPS}	Number of coded bits per symbol
N_{DBPS}	Number of data bits per symbol
GI	guard interval

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

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

IEEE 802.11n (40MHz)

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

Note:

1. This device is a Dual Band 3x3 802.11AC Gigabit Router including 2.4GHz b/g/n and 5GHz a/n/ac (3x3) transmitting and receiving function.
2. The different of the each model is shown as below:

Model No.	Externals color
RT-AC66U, RT-AC66R, SP-AC2015, RT-AC1750	Black
RT-AC66W	White

   The variation of model number is for different strategy of marketing.
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 & 5.8G transmitting is measured and makes a test report of the number: 15C0316R-RFUSP54V00 & 1620194R-RFUSP57V00-A.
6. This device is a composite device in accordance with Part 15 regulations. The receiving function was tested and its number is 15C0316R-RFUSP01V00.

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_Adapter 1 Mode 2: Transmit_Adapter 2

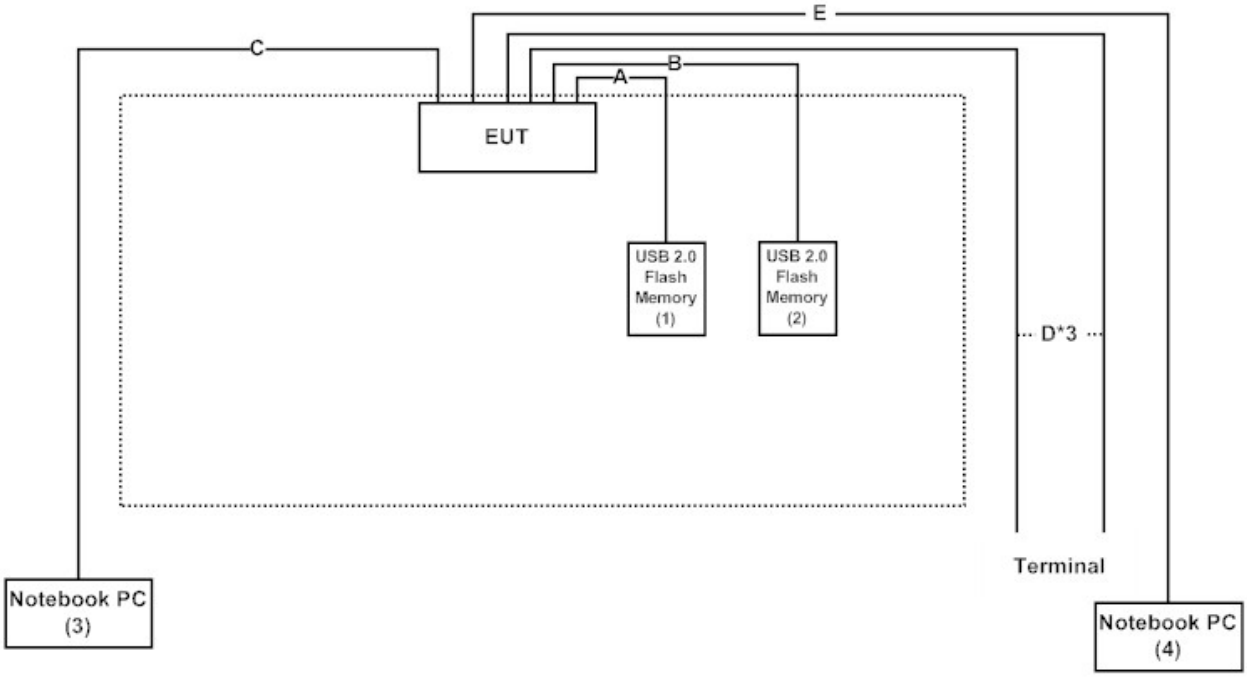
Test Items	Modulation	Channel	Antenna	Result
Conducted Emission	11n(40MHz)	6	0+1+2	Complies
Peak Power Output	11b/g	1/ 6/ 11	0	Complies
	11n(20MHz)	1/ 6/ 11	0+1+2	Complies
	11n(40MHz)	3/ 6/ 9	0+1+2	Complies
Radiated Emission	11b/g	1/ 6/ 11	0	Complies
	11n(20MHz)	1/ 6/ 11	0+1+2	Complies
	11n(40MHz)	3/ 6/ 9	0+1+2	Complies
RF antenna conducted test	11b/g	1/ 11	0	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	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	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	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

Connection Diagram


Signal Cable Type		Signal cable Description
A	USB 2.0 Flash Memory Cable	Shielded, 1.0m
B	USB 2.0 Flash Memory Cable	Shielded, 1.0m
C	LAN Cable	Non-Shielded, 3.0m
D	LAN Cable	Non-Shielded, 3.0m, 3PCS
E	LAN Cable	Non-Shielded, 3.0m

1.5. EUT Exercise Software

1	Setup the EUT as shown in Section 1.4.
2	Execute the “MTool 2.0.0.7” 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 (DSSS)	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 (DSSS)	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 (DSSS)	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 (DSSS)	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 (DSSS)	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 (DSSS)	15 - 35	25
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000

2. Conducted Emission

2.1. Test Equipment

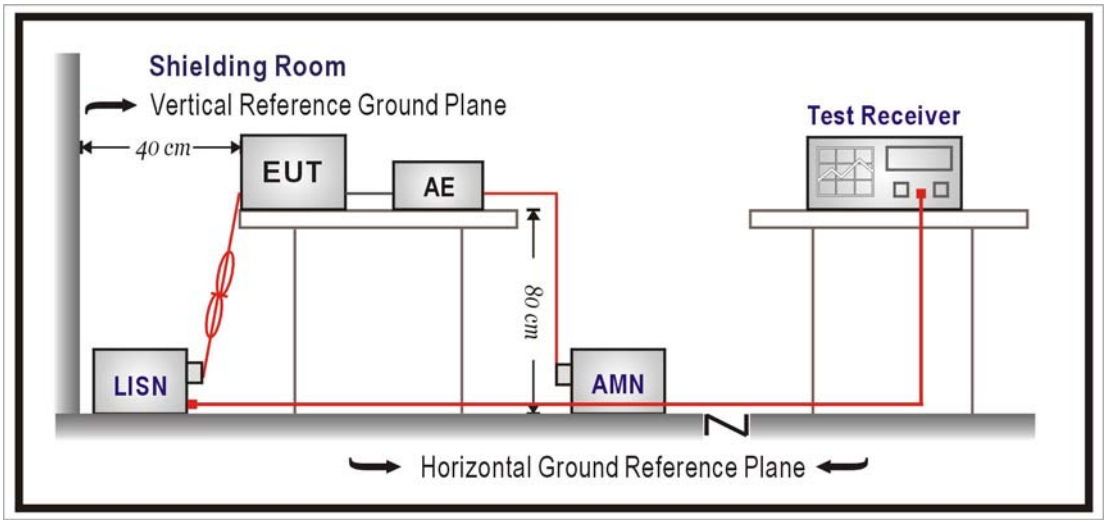
The following test equipments are used during the test:

Conducted Emission / SR2

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Artificial Mains Network	R&S	ENV4200	848411/010	2016/01/25
LISN	R&S	ENV216	100092	2016/08/17
Test Receiver	R&S	ESCS 30	825442/014	2016/07/16

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

2.2. Test Setup



2.3. Limits

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

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

2.4. Test Procedure

The EUT was setup according to ANSI C63.4: 2009 and tested according to DTS test procedure of Jan. 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.
The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs.)
Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

2.5. Test Specification

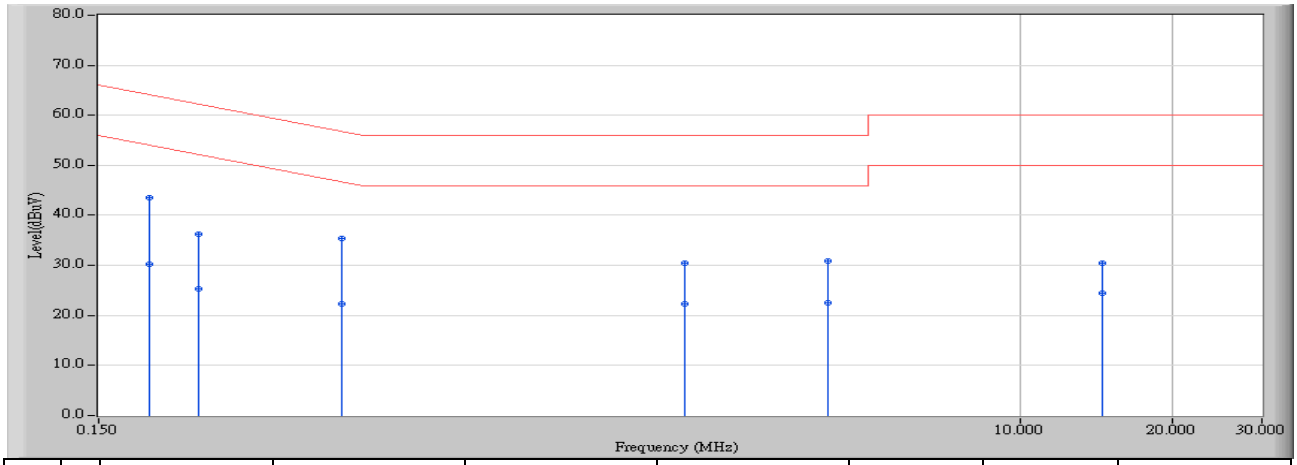
According to FCC Part 15 Subpart C Paragraph 15.207: 2011

2.6. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

2.7. Test Result

Site : SR2	**Time : 2015/09/08 - 16:30**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-4_0825 - Line1	**Power : AC 120V / 60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(40M)_2437MHz**

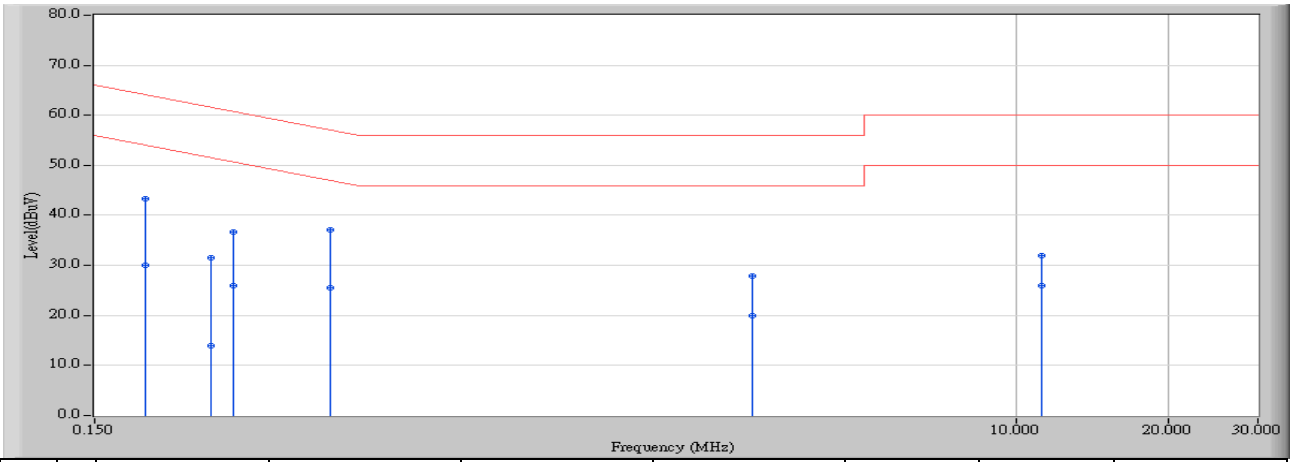


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.189	9.760	33.870	43.630	-20.450	64.080	QUASIPEAK
2		0.189	9.760	20.520	30.280	-33.800	64.080	AVERAGE
3		0.236	9.758	26.500	36.258	-25.978	62.236	QUASIPEAK
4		0.236	9.758	15.560	25.318	-36.918	62.236	AVERAGE
5		0.455	9.751	25.580	35.331	-21.452	56.783	QUASIPEAK
6		0.455	9.751	12.520	22.271	-34.512	56.783	AVERAGE
7		2.166	9.828	20.530	30.358	-25.642	56.000	QUASIPEAK
8		2.166	9.828	12.440	22.268	-33.732	56.000	AVERAGE
9		4.166	9.925	21.030	30.955	-25.045	56.000	QUASIPEAK
10		4.166	9.925	12.660	22.585	-33.415	56.000	AVERAGE
11		14.505	10.176	20.230	30.407	-29.593	60.000	QUASIPEAK
12		14.505	10.176	14.270	24.447	-35.553	60.000	AVERAGE

Note:

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

Site : SR2	**Time : 2015/09/08 - 16:37**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-4_0825 - Line2	**Power : AC 120V / 60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(40M)_2437MHz**

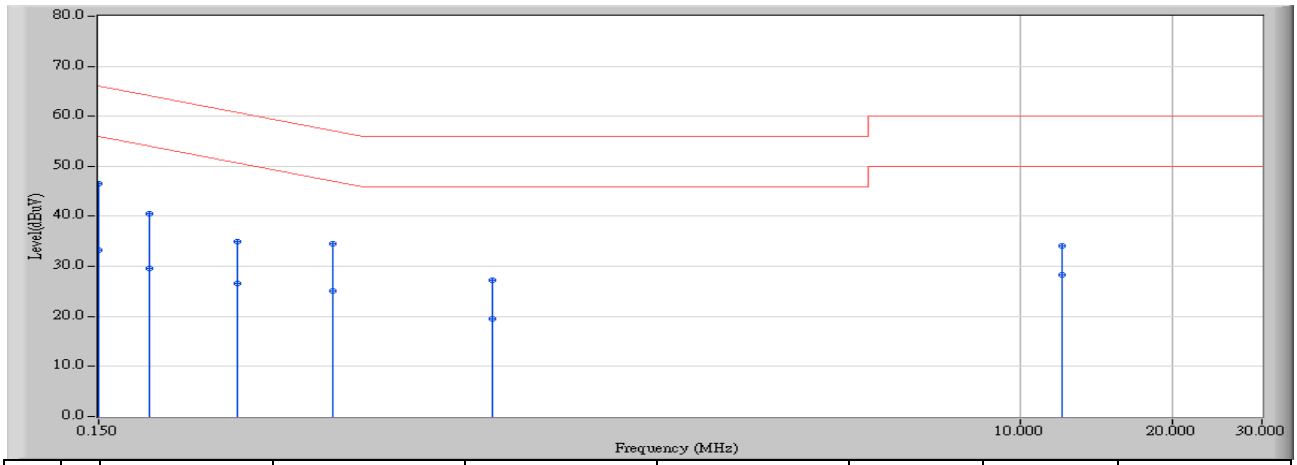


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.189	9.810	33.590	43.400	-20.678	64.078	QUASIPEAK
2		0.189	9.810	20.110	29.920	-24.158	54.078	AVERAGE
3		0.255	9.813	21.750	31.563	-30.015	61.577	QUASIPEAK
4		0.255	9.813	4.130	13.943	-37.635	51.577	AVERAGE
5		0.283	9.814	26.960	36.774	-23.959	60.733	QUASIPEAK
6		0.283	9.814	16.220	26.034	-24.699	50.733	AVERAGE
7	*	0.439	9.820	27.190	37.010	-20.069	57.079	QUASIPEAK
8		0.439	9.820	15.640	25.460	-21.619	47.079	AVERAGE
9		2.990	9.933	18.020	27.953	-28.047	56.000	QUASIPEAK
10		2.990	9.933	10.040	19.973	-26.027	46.000	AVERAGE
11		11.193	10.222	21.660	31.882	-28.118	60.000	QUASIPEAK
12		11.193	10.222	15.750	25.972	-24.028	50.000	AVERAGE

Note:

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

Site : SR2	**Time : 2015/09/08 - 15:31**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-4_0825 - Line1	**Power : AC 120V / 60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 2: Transmit_Adapter 2 802.11n(40M)_2437MHz**

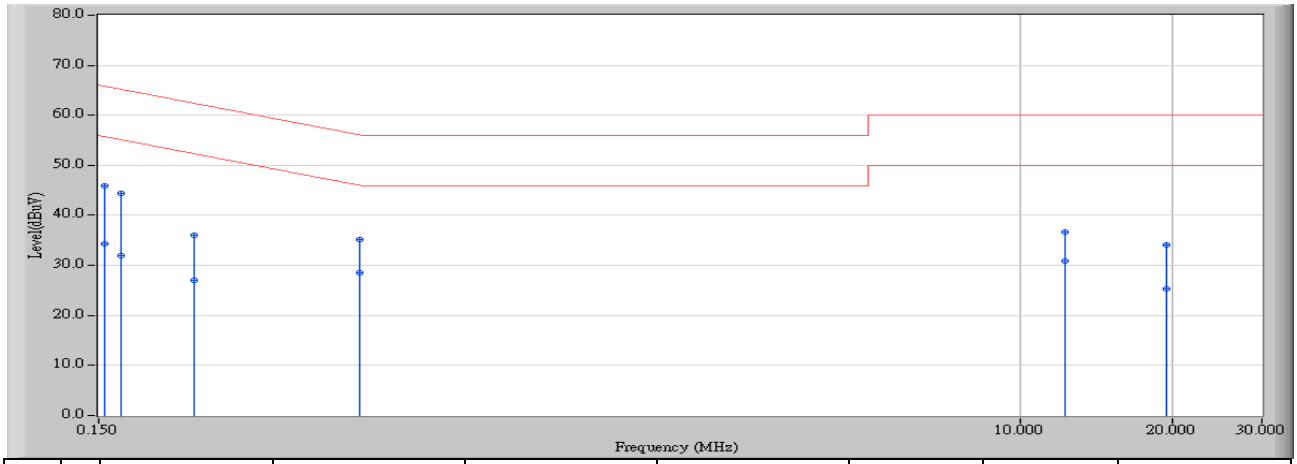


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.150	9.762	36.820	46.582	-19.418	66.000	QUASIPEAK
2		0.150	9.762	23.520	33.282	-22.718	56.000	AVERAGE
3		0.189	9.760	30.830	40.590	-23.488	64.078	QUASIPEAK
4		0.189	9.760	19.750	29.510	-24.568	54.078	AVERAGE
5		0.283	9.756	25.230	34.986	-25.747	60.733	QUASIPEAK
6		0.283	9.756	16.810	26.566	-24.167	50.733	AVERAGE
7		0.435	9.751	24.810	34.561	-22.593	57.154	QUASIPEAK
8		0.435	9.751	15.330	25.081	-22.073	47.154	AVERAGE
9		0.904	9.798	17.460	27.259	-28.741	56.000	QUASIPEAK
10		0.904	9.798	9.810	19.609	-26.391	46.000	AVERAGE
11		12.091	10.135	23.990	34.126	-25.874	60.000	QUASIPEAK
12		12.091	10.135	18.160	28.296	-21.704	50.000	AVERAGE

Note:

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

Site : SR2	**Time : 2015/09/08 - 15:34**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-4_0825 - Line2	**Power : AC 120V / 60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 2: Transmit_Adapter 2 802.11n(40M)_2437MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.154	9.811	36.100	45.911	-19.876	65.786	QUASIPEAK
2		0.154	9.811	24.580	34.391	-21.396	55.786	AVERAGE
3		0.166	9.810	34.640	44.450	-20.727	65.177	QUASIPEAK
4		0.166	9.810	22.180	31.990	-23.187	55.177	AVERAGE
5		0.232	9.812	26.260	36.072	-26.305	62.377	QUASIPEAK
6		0.232	9.812	17.280	27.092	-25.285	52.377	AVERAGE
7		0.494	9.820	25.350	35.170	-20.934	56.104	QUASIPEAK
8	*	0.494	9.820	18.720	28.540	-17.564	46.104	AVERAGE
9		12.275	10.251	26.460	36.711	-23.289	60.000	QUASIPEAK
10		12.275	10.251	20.720	30.971	-19.029	50.000	AVERAGE
11		19.373	10.487	23.510	33.997	-26.003	60.000	QUASIPEAK
12		19.373	10.487	14.920	25.407	-24.593	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

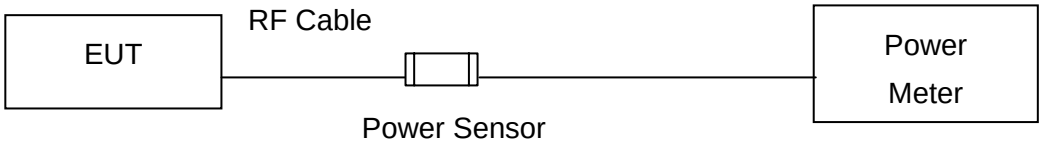
The following test equipments are used during the test:

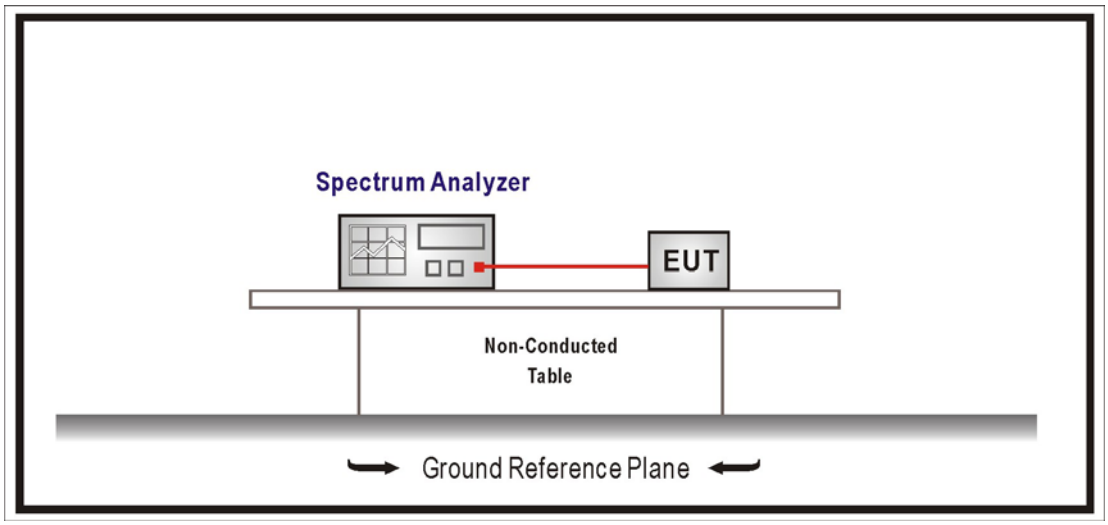
Peak Power / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2016/07/13
Power Meter	Agilent	N1911A	MY45101353	2016/10/11
Power Sensor	Agilent	N1921A	MY45241670	2016/10/11

Note: 1. 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 of Jan. 2012 KDB558074, Section 5.2.1.2 Measurement Procedure PK2 for compliance 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: 2011

3.6. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB.

3.7. Test Result

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/01/12	Test Site	SR7

IEEE 802.11b

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	23.72	≦30
6	2437	24.74	≦30
11	2462	24.25	≦30

The worst emission of data rate is 1Mbps

Peak Power Output (dBm)						
Channel No	Frequency (MHz)	Data Rate (Mbps)				Required Limit
		1	2	5.5	11	
1	2412	23.72	--	--	--	≦30
6	2437	24.74	24.66	24.62	24.51	≦30
11	2462	24.25	--	--	--	≦30

Note: Measure Level =Reading value + cable loss

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/01/12	Test Site	SR7

IEEE 802.11g

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	24.69	≦30
6	2437	25.07	≦30
11	2462	22.38	≦30

The worst emission of data rate is 6Mbps

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate (Mbps)							Required Limit
		6	12	18	24	36	48	54	
1	2412	24.69	--	--	--	--	--	--	≦30
6	2437	25.07	25.03	24.83	24.61	24.35	24.11	23.99	≦30
11	2462	22.38	--	--	--	--	--	--	≦30

Note: Measure Level =Reading value + cable loss

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/01/12	Test Site	SR7

IEEE 802.11n 20MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	22.54	≦30
6	2437	23.05	≦30
11	2462	23.16	≦30

The worst emission of data rate is 13Mbps

Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		13	26	39	52	78	104	117	130	
1	2412	22.54	--	--	--	--	--	--	--	≦30
6	2437	23.05	23.03	22.83	22.61	22.48	22.36	22.12	22.01	≦30
11	2462	23.16	--	--	--	--	--	--	--	≦30

Note: Measure Level =Reading value + cable loss

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/01/12	Test Site	SR7

IEEE 802.11n 20MHz (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	22.64	≦30
6	2437	22.90	≦30
11	2462	23.25	≦30

The worst emission of data rate is 13Mbps

Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		13	26	39	52	78	104	117	130	
1	2412	22.64	--	--	--	--	--	--	--	≦30
6	2437	22.90	22.88	22.76	22.56	22.44	22.32	22.08	21.82	≦30
11	2462	23.25	--	--	--	--	--	--	--	≦30

Note: Measure Level =Reading value + cable loss

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/01/12	Test Site	SR7

IEEE 802.11n 20MHz (ANT 2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	22.55	≦30
6	2437	22.87	≦30
11	2462	23.08	≦30

The worst emission of data rate is 13Mbps

Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		13	26	39	52	78	104	117	130	
1	2412	22.55	--	--	--	--	--	--	--	≦30
6	2437	22.87	22.81	22.55	22.35	22.09	21.85	21.73	21.49	≦30
11	2462	23.08	--	--	--	--	--	--	--	≦30

Note: Measure Level =Reading value + cable loss

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/01/12	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	27.35	≦30
6	2437	27.71	≦30
11	2462	27.94	≦30

The worst emission of data rate is 13Mbps

Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		13	26	39	52	78	104	117	130	
1	2412	27.35	--	--	--	--	--	--	--	≦30
6	2437	27.71	27.68	27.49	27.28	27.11	26.95	26.75	26.55	≦30
11	2462	27.94	--	--	--	--	--	--	--	≦30

Note: Measure Level =Reading value + cable loss

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/01/12	Test Site	SR7

IEEE802.11n 40MHz(ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	19.95	≦30
6	2437	19.87	≦30
9	2452	20.06	≦30

The worst emission of data rate is 27 Mbps.

Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		27	54	81	108	162	216	243	270	
3	2422	19.95	--	--	--	--	--	--	--	≦30
6	2437	19.87	19.81	19.59	19.39	19.19	18.95	18.82	18.58	≦30
9	2452	20.06	--	--	--	--	--	--	--	≦30

Note: Measure Level =Reading value + cable loss

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/01/12	Test Site	SR7

IEEE802.11n 40MHz(ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	19.88	≦30
6	2437	19.98	≦30
9	2452	20.12	≦30

The worst emission of data rate is 27 Mbps.

Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		27	54	81	108	162	216	243	270	
3	2422	19.88	--	--	--	--	--	--	--	≦30
6	2437	19.98	19.95	19.75	19.62	19.52	19.28	19.16	19.04	≦30
9	2452	20.12	--	--	--	--	--	--	--	≦30

Note: Measure Level =Reading value + cable loss

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/01/12	Test Site	SR7

IEEE802.11n 40MHz(ANT 2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	20.06	≦30
6	2437	19.72	≦30
9	2452	20.22	≦30

The worst emission of data rate is 27 Mbps.

Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		27	54	40.5	54	81	108	121.5	135	
3	2422	20.06	--	--	--	--	--	--	--	≦30
6	2437	19.72	19.66	19.44	19.34	19.10	18.86	18.74	18.62	≦30
9	2452	20.22	--	--	--	--	--	--	--	≦30

Note: Measure Level =Reading value + cable loss

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/01/12	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	24.74	≦30
6	2437	24.63	≦30
9	2452	24.91	≦30

The worst emission of data rate is 27 Mbps.

Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		27	54	81	108	162	216	243	270	
3	2422	24.74	--	--	--	--	--	--	--	≦30
6	2437	24.63	24.58	24.37	24.22	24.04	23.80	23.68	23.52	≦30
9	2452	24.91	--	--	--	--	--	--	--	≦30

Note: Measure Level =Reading value + cable loss

4. Radiated Emission

4.1. Test Equipment

The following test equipments are used during the test:

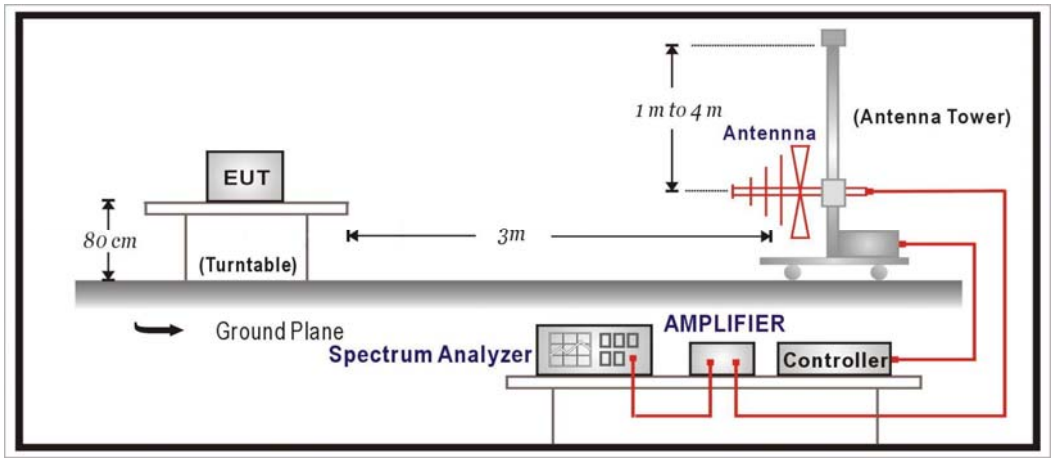
Radiated Emission / CB1

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	2017/01/18
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

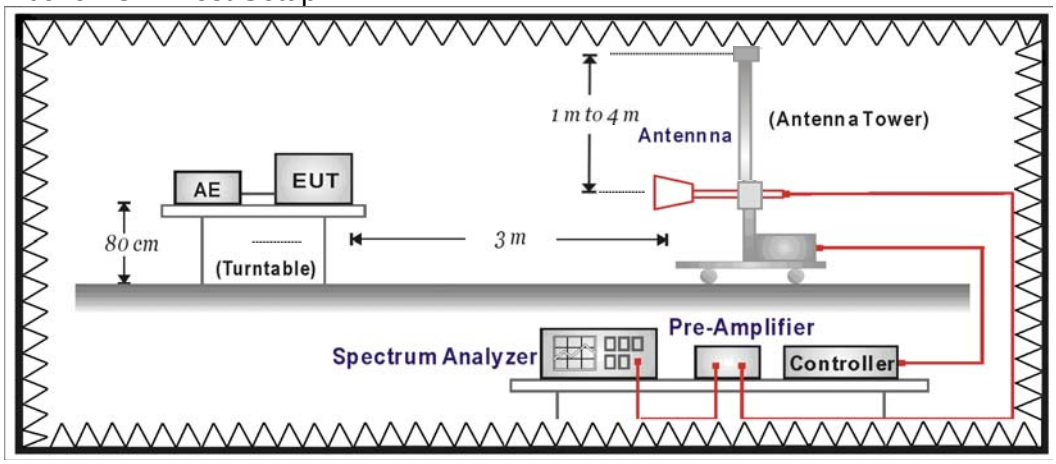
Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

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 C63.4: 2009 and tested according to DTS test procedure of Jan. 2012 KDB558074 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. 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 C63.4: 2009 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: 2011

4.6. Uncertainty

The measurement uncertainty

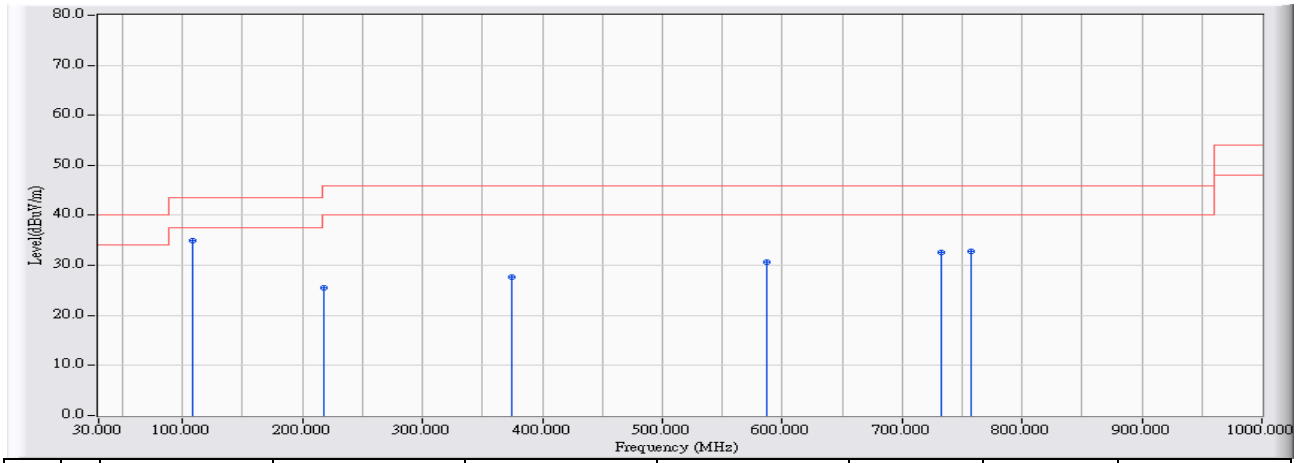
30MHz～1GHz as ±3.43dB

1GHz～26.5Ghz as ±3.65dB

4.7. Test Result

30MHz-1GHz Spurious

Site : CB1	**Time : 2016/01/17 - 15:34**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11b_2437MHz**

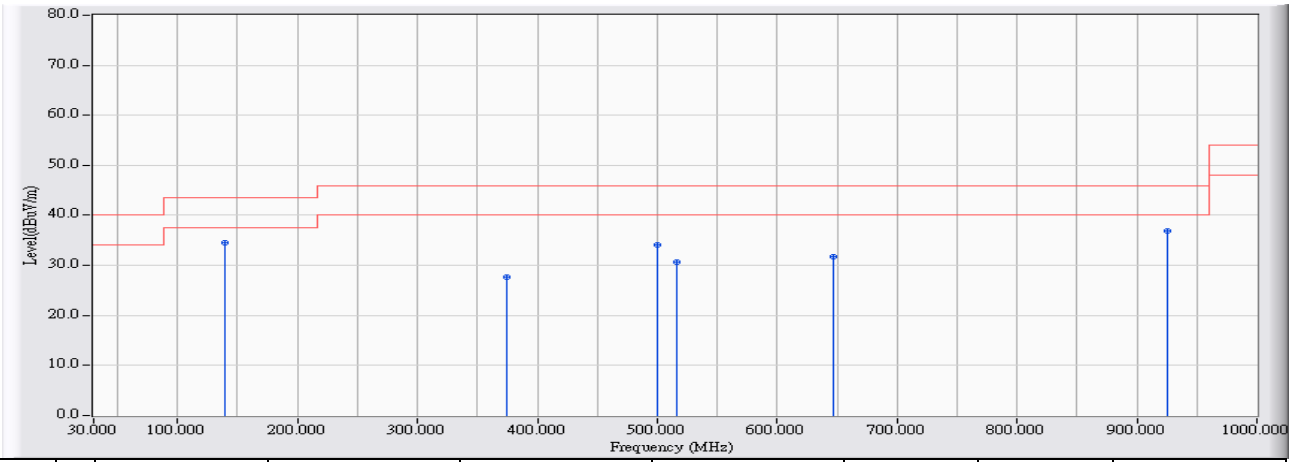


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	108.756	12.565	22.316	34.882	-8.618	43.500	QUASIPEAK
2		217.385	12.281	13.145	25.427	-20.573	46.000	QUASIPEAK
3		374.898	15.389	12.346	27.735	-18.265	46.000	QUASIPEAK
4		587.015	19.450	11.205	30.655	-15.345	46.000	QUASIPEAK
5		732.210	21.469	11.185	32.654	-13.346	46.000	QUASIPEAK
6		758.009	21.794	10.936	32.730	-13.270	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2016/01/17 - 15:35**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11b_2437MHz**

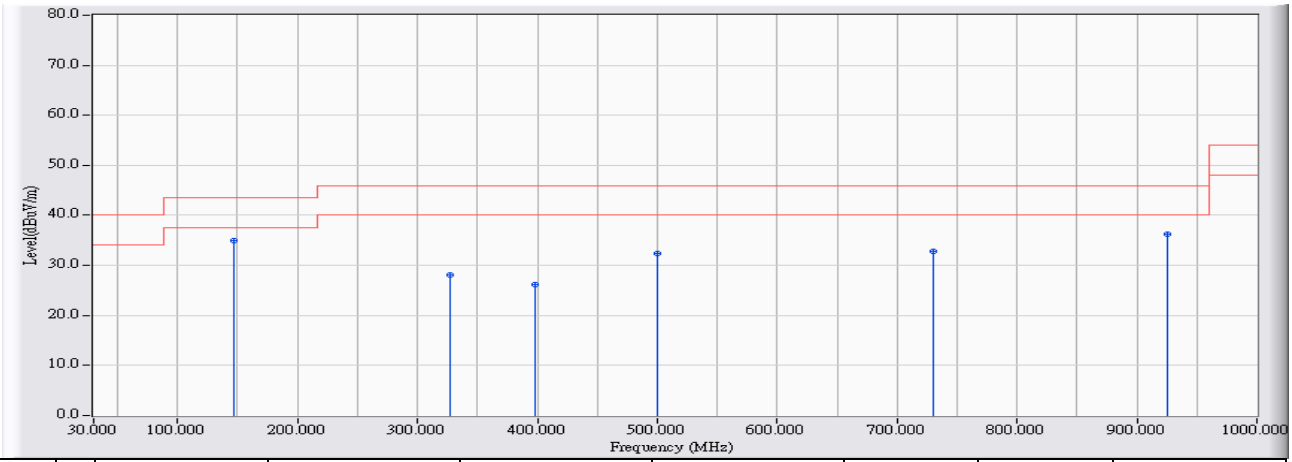


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	139.114	15.899	18.674	34.573	-8.927	43.500	QUASIPEAK
2		374.898	15.389	12.346	27.735	-18.265	46.000	QUASIPEAK
3		499.918	17.754	16.449	34.202	-11.798	46.000	QUASIPEAK
4		516.794	18.081	12.561	30.641	-15.359	46.000	QUASIPEAK
5		646.761	20.339	11.498	31.837	-14.163	46.000	QUASIPEAK
6		924.930	23.690	13.272	36.963	-9.037	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2016/01/17 - 15:38**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11g_2437MHz**

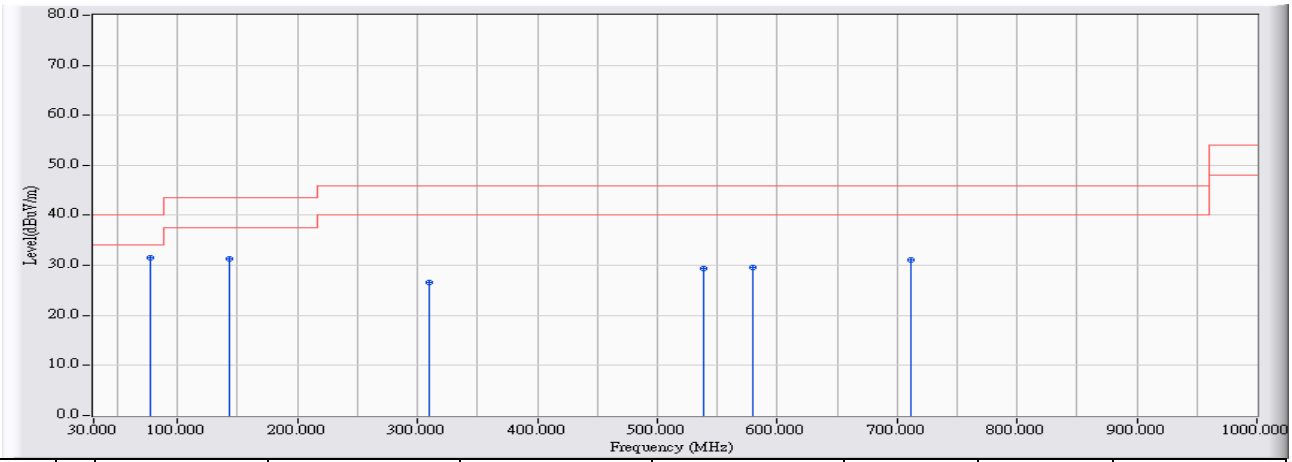


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	146.582	17.192	17.686	34.878	-8.622	43.500	QUASIPEAK
2		326.984	14.295	13.867	28.162	-17.838	46.000	QUASIPEAK
3		398.369	15.927	10.279	26.206	-19.794	46.000	QUASIPEAK
4		500.015	17.755	14.544	32.299	-13.701	46.000	QUASIPEAK
5		729.688	21.437	11.423	32.860	-13.140	46.000	QUASIPEAK
6		924.930	23.690	12.633	36.324	-9.676	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2016/01/17 - 15:38**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11g_2437MHz**

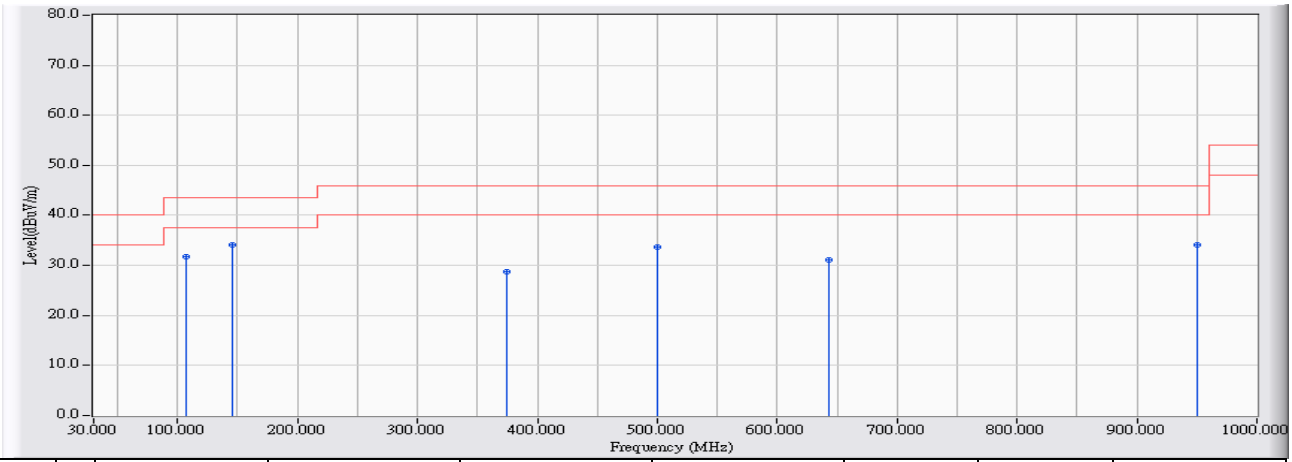


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	77.137	8.888	22.573	31.461	-8.539	40.000	QUASIPEAK
2		143.285	16.626	14.768	31.394	-12.106	43.500	QUASIPEAK
3		309.720	13.903	12.764	26.667	-19.333	46.000	QUASIPEAK
4		538.520	18.505	10.854	29.358	-16.642	46.000	QUASIPEAK
5		580.226	19.317	10.205	29.523	-16.477	46.000	QUASIPEAK
6		711.842	21.211	9.944	31.156	-14.844	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2016/01/17 - 15:40**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M)_2437MHz**

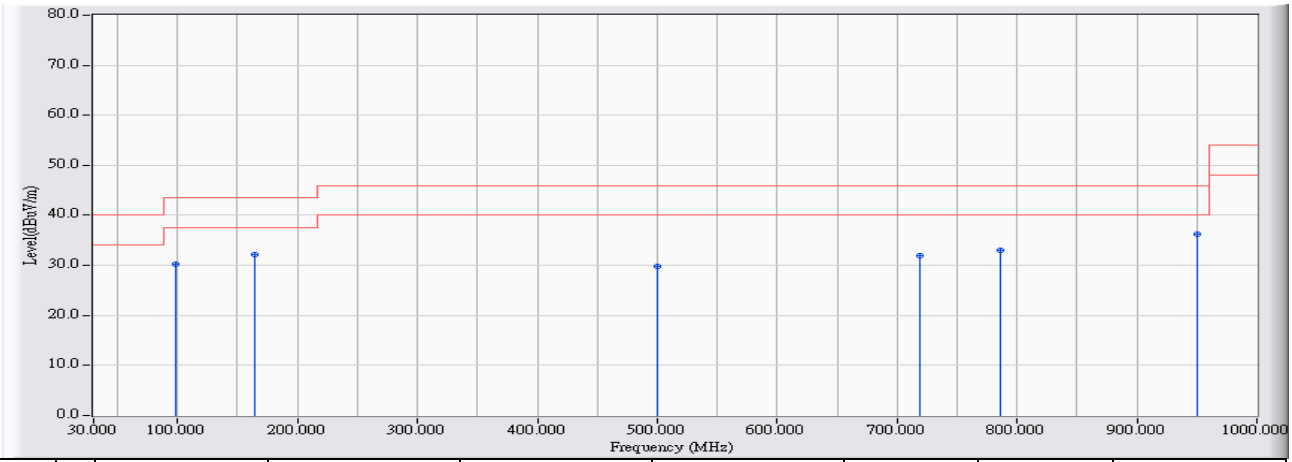


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		106.719	12.558	19.088	31.646	-11.854	43.500	QUASIPEAK
2	*	145.127	16.943	17.160	34.102	-9.398	43.500	QUASIPEAK
3		374.898	15.389	13.452	28.841	-17.159	46.000	QUASIPEAK
4		499.918	17.754	15.909	33.662	-12.338	46.000	QUASIPEAK
5		643.561	20.295	10.854	31.149	-14.851	46.000	QUASIPEAK
6		949.953	23.931	10.261	34.191	-11.809	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2016/01/17 - 15:41**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M)_2437MHz**

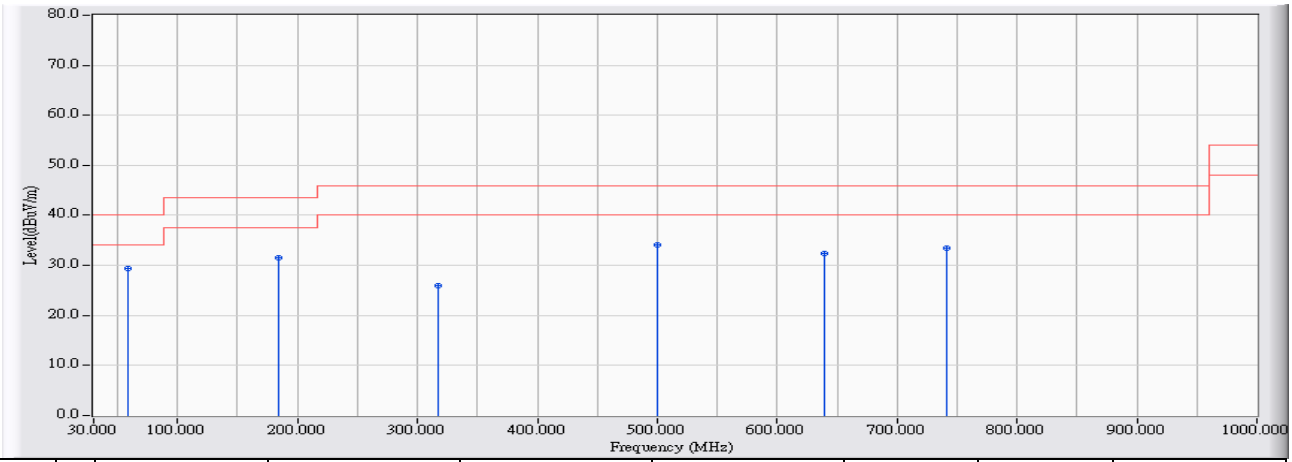


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		98.378	12.394	17.914	30.308	-13.192	43.500	QUASIPEAK
2		164.429	17.125	14.969	32.094	-11.406	43.500	QUASIPEAK
3		499.821	17.752	12.094	29.846	-16.154	46.000	QUASIPEAK
4		718.825	21.300	10.716	32.016	-13.984	46.000	QUASIPEAK
5		786.621	22.155	10.922	33.077	-12.923	46.000	QUASIPEAK
6	*	949.953	23.931	12.371	36.301	-9.699	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2016/01/17 - 15:42**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(40M)_2437MHz**

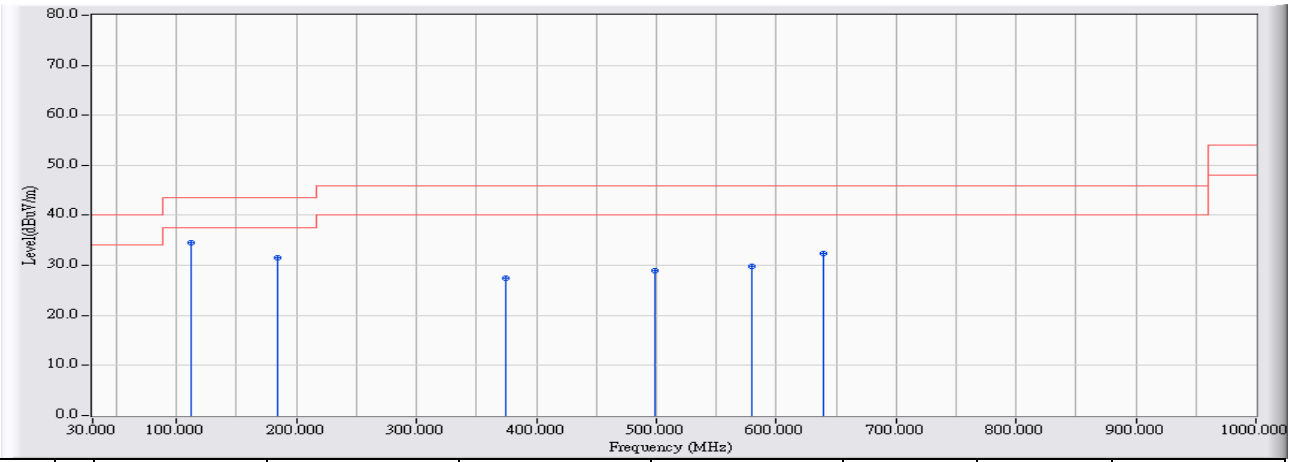


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	58.612	11.223	18.250	29.473	-10.527	40.000	QUASIPEAK
2		183.633	13.851	17.783	31.634	-11.866	43.500	QUASIPEAK
3		317.479	14.079	11.860	25.939	-20.061	46.000	QUASIPEAK
4		499.918	17.754	16.365	34.118	-11.882	46.000	QUASIPEAK
5		639.972	20.247	12.171	32.418	-13.582	46.000	QUASIPEAK
6		741.812	21.590	11.803	33.393	-12.607	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2016/01/17 - 15:43**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(40M)_2437MHz**

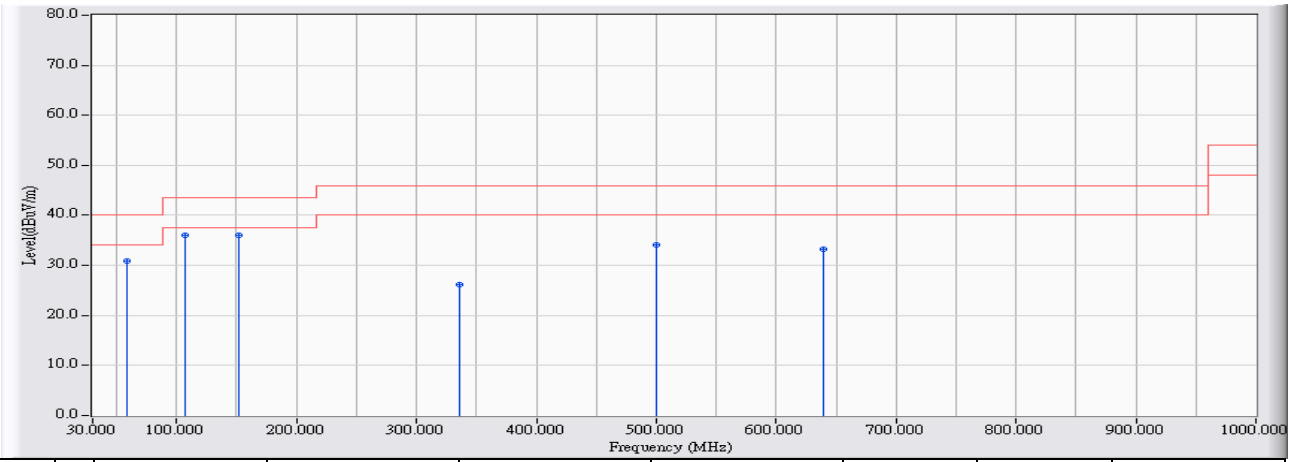


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	111.569	12.656	21.866	34.522	-8.978	43.500	QUASIPEAK
2		183.633	13.851	17.783	31.634	-11.866	43.500	QUASIPEAK
3		374.898	15.389	11.975	27.364	-18.636	46.000	QUASIPEAK
4		499.433	17.746	11.258	29.004	-16.996	46.000	QUASIPEAK
5		580.129	19.315	10.574	29.890	-16.110	46.000	QUASIPEAK
6		639.972	20.247	12.171	32.418	-13.582	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2016/01/17 - 16:13**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 2: Transmit_Adapter 2 802.11b_2437MHz**

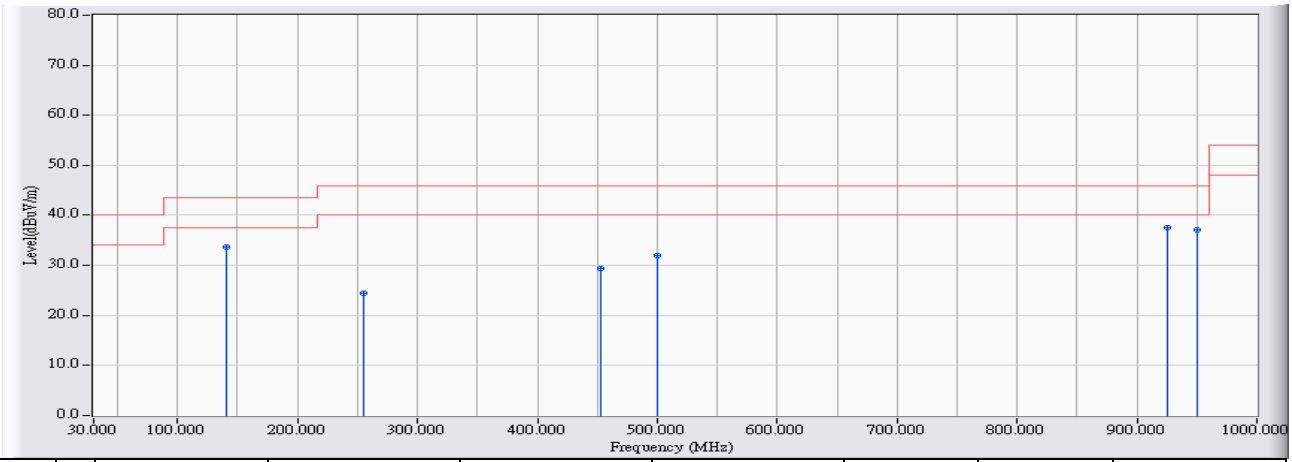


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		58.709	11.217	19.759	30.976	-9.024	40.000	QUASIPEAK
2		106.622	12.558	23.395	35.953	-7.547	43.500	QUASIPEAK
3	*	151.529	17.810	18.214	36.023	-7.477	43.500	QUASIPEAK
4		336.295	14.507	11.716	26.223	-19.777	46.000	QUASIPEAK
5		500.015	17.755	16.450	34.205	-11.795	46.000	QUASIPEAK
6		639.972	20.247	12.995	33.242	-12.758	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2016/01/17 - 16:16**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 2: Transmit_Adapter 2 802.11b_2437MHz**

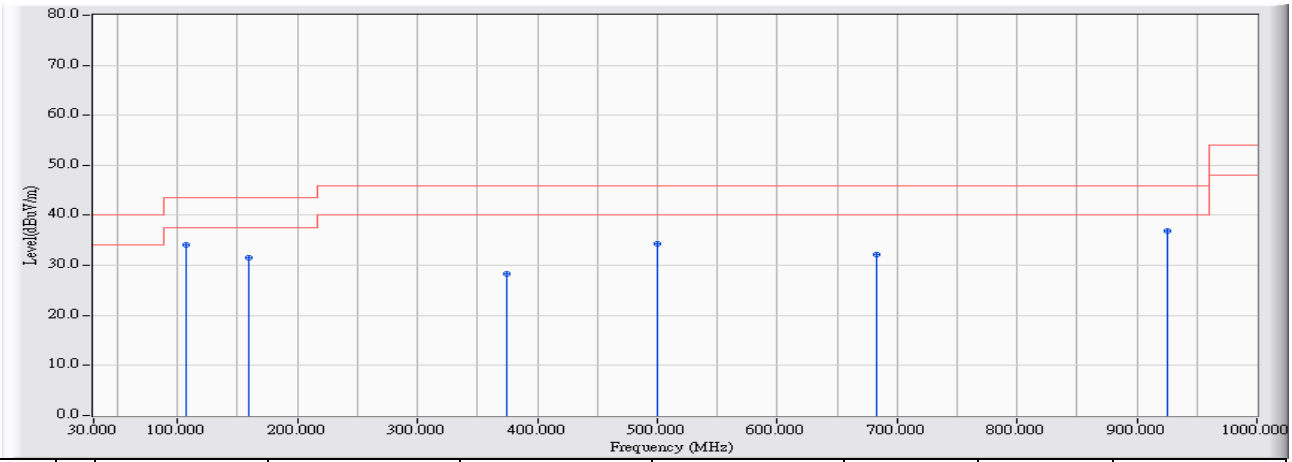


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		141.151	16.260	17.380	33.640	-9.860	43.500	QUASIPEAK
2		255.696	12.492	12.007	24.499	-21.501	46.000	QUASIPEAK
3		452.878	17.188	12.157	29.345	-16.655	46.000	QUASIPEAK
4		499.918	17.754	14.100	31.853	-14.147	46.000	QUASIPEAK
5	*	924.930	23.690	13.882	37.573	-8.427	46.000	QUASIPEAK
6		949.953	23.931	13.277	37.207	-8.793	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2016/01/17 - 16:20**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 2: Transmit_Adapter 2 802.11g_2437MHz**

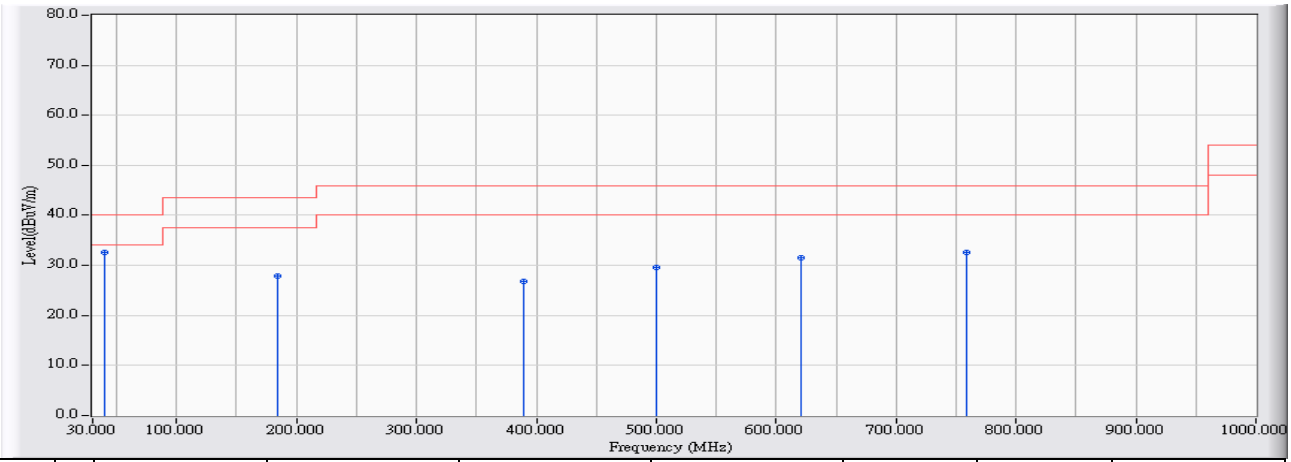


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		106.816	12.559	21.590	34.149	-9.351	43.500	QUASIPEAK
2		159.579	17.968	13.507	31.475	-12.025	43.500	QUASIPEAK
3		374.995	15.391	13.022	28.413	-17.587	46.000	QUASIPEAK
4		499.918	17.754	16.481	34.234	-11.766	46.000	QUASIPEAK
5		682.454	20.824	11.408	32.232	-13.768	46.000	QUASIPEAK
6	*	924.930	23.690	13.279	36.970	-9.030	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2016/01/17 - 16:20**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 2: Transmit_Adapter 2 802.11g_2437MHz**

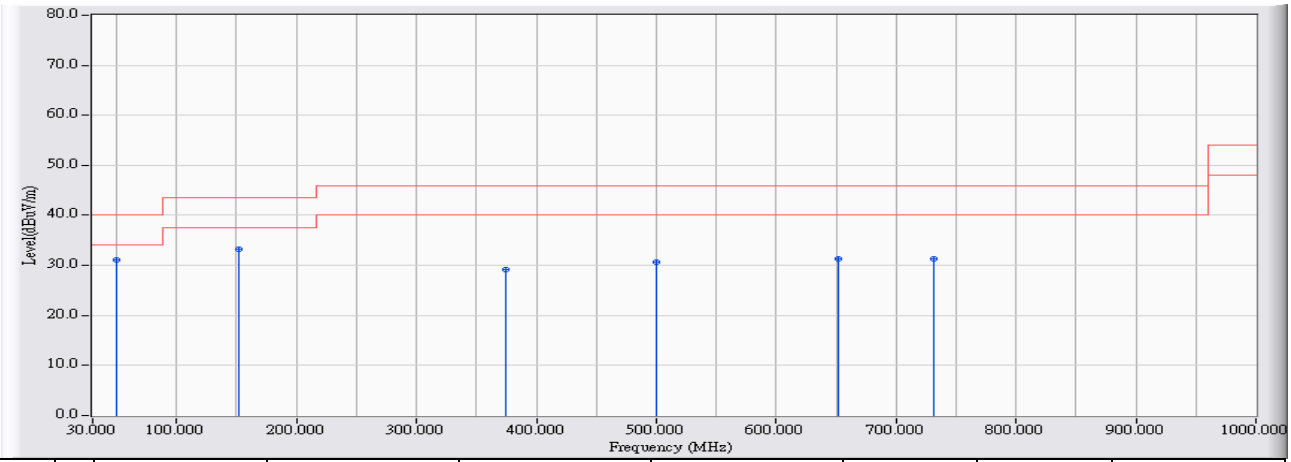


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	39.408	12.249	20.309	32.558	-7.442	40.000	QUASIPEAK
2		183.633	13.851	13.948	27.799	-15.701	43.500	QUASIPEAK
3		389.349	15.720	11.121	26.841	-19.159	46.000	QUASIPEAK
4		499.821	17.752	11.854	29.606	-16.394	46.000	QUASIPEAK
5		620.089	19.976	11.449	31.425	-14.575	46.000	QUASIPEAK
6		759.173	21.809	10.809	32.618	-13.382	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2016/01/17 - 16:25**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 2: Transmit_Adapter2 802.11n(20M)_2437MHz**

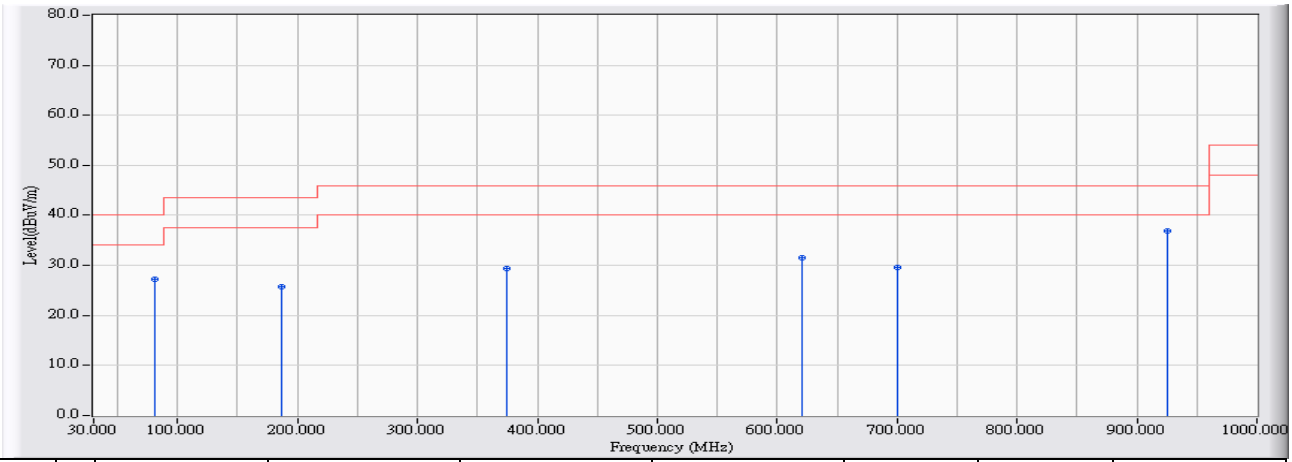


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	50.368	11.673	19.401	31.074	-8.926	40.000	QUASIPEAK
2		151.529	17.810	15.387	33.196	-10.304	43.500	QUASIPEAK
3		374.898	15.389	13.740	29.129	-16.871	46.000	QUASIPEAK
4		499.821	17.752	12.842	30.594	-15.406	46.000	QUASIPEAK
5		652.193	20.412	10.822	31.235	-14.765	46.000	QUASIPEAK
6		730.852	21.452	9.769	31.221	-14.779	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2016/01/17 - 16:25**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 2: Transmit_Adapter 2 802.11n(20M)_2437MHz**

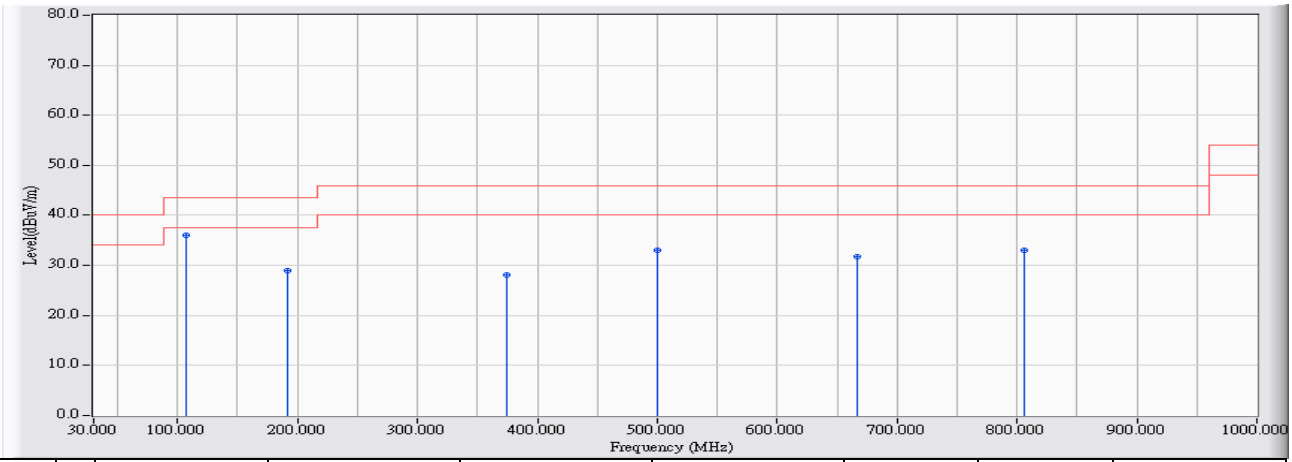


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		81.114	9.473	17.801	27.274	-12.726	40.000	QUASIPEAK
2		186.542	13.379	12.389	25.768	-17.732	43.500	QUASIPEAK
3		374.995	15.391	14.082	29.473	-16.527	46.000	QUASIPEAK
4		620.089	19.976	11.449	31.425	-14.575	46.000	QUASIPEAK
5		699.718	21.058	8.525	29.584	-16.416	46.000	QUASIPEAK
6	*	924.930	23.690	13.279	36.970	-9.030	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2016/01/17 - 16:26**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 2: Transmit_Adapter 2 802.11n(40M)_2437MHz**

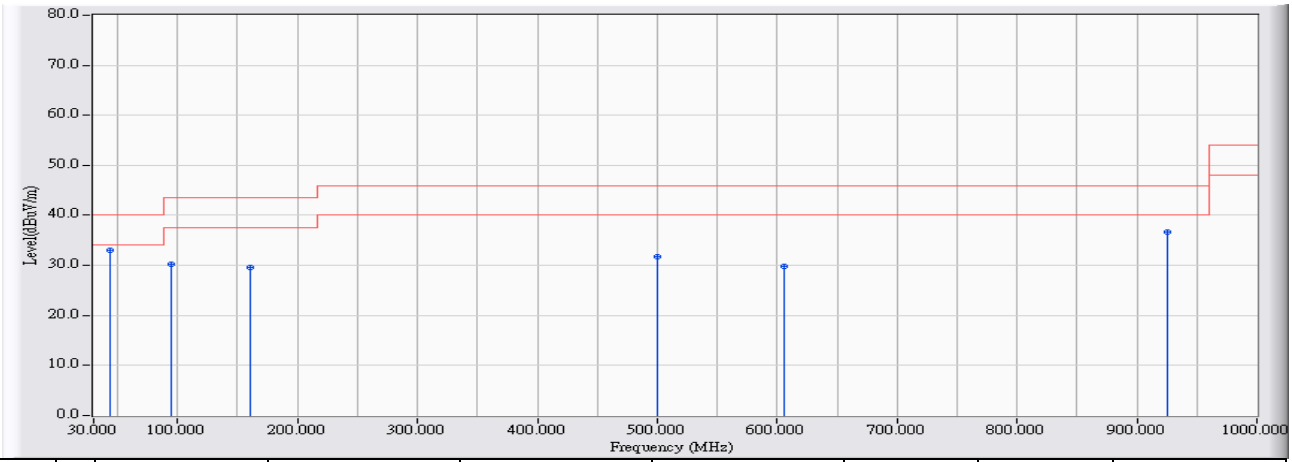


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	106.622	12.558	23.465	36.023	-7.477	43.500	QUASIPEAK
2		191.295	12.779	16.087	28.866	-14.634	43.500	QUASIPEAK
3		374.995	15.391	12.668	28.059	-17.941	46.000	QUASIPEAK
4		499.918	17.754	15.282	33.035	-12.965	46.000	QUASIPEAK
5		666.935	20.613	11.123	31.736	-14.264	46.000	QUASIPEAK
6		806.116	22.393	10.598	32.991	-13.009	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2016/01/17 - 16:28**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 2: Transmit_Adapter 2 802.11n(40M)_2437MHz**



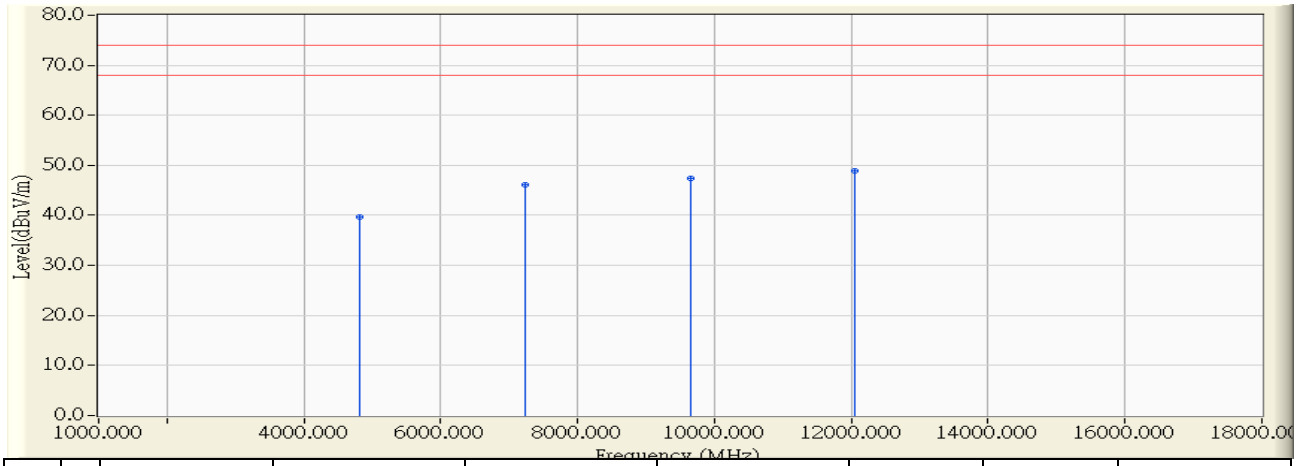
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	43.773	12.071	20.882	32.953	-7.047	40.000	QUASIPEAK
2		94.305	12.046	18.192	30.238	-13.262	43.500	QUASIPEAK
3		160.937	17.796	11.853	29.649	-13.851	43.500	QUASIPEAK
4		499.918	17.754	14.095	31.848	-14.152	46.000	QUASIPEAK
5		605.443	19.777	10.078	29.855	-16.145	46.000	QUASIPEAK
6		924.930	23.690	12.923	36.614	-9.386	46.000	QUASIPEAK

Note:

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

Above 1GHz Spurious

Site : CB1	**Time : 2016/01/14 - 17:21**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11b 2412MHz**

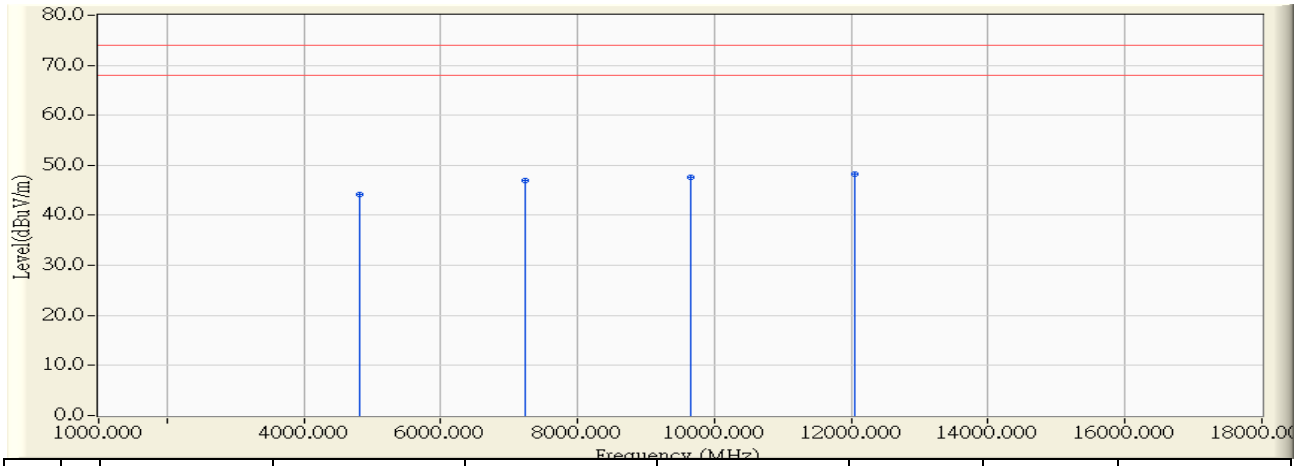


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4824.000	-2.559	42.300	39.741	-34.259	74.000	PEAK
2		7236.000	5.926	40.120	46.046	-27.954	74.000	PEAK
3		9648.000	7.659	39.800	47.459	-26.541	74.000	PEAK
4	*	12060.000	10.338	38.640	48.977	-25.023	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/01/14 - 17:13**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1** **802.11b 2412MHz**

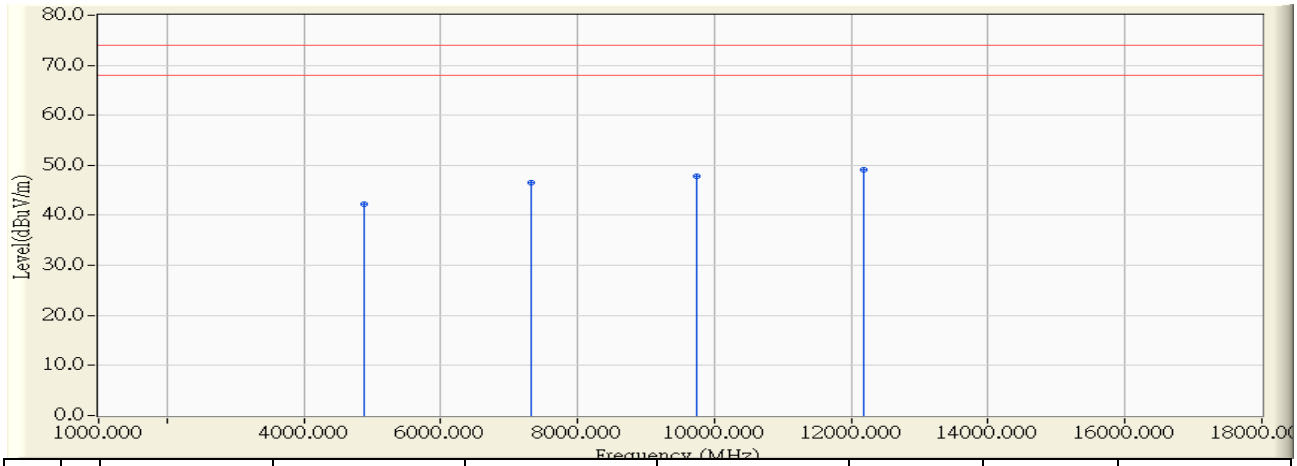


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4824.000	-1.662	45.780	44.118	-29.882	74.000	PEAK
2		7236.000	5.426	41.570	46.996	-27.004	74.000	PEAK
3		9648.000	7.162	40.480	47.641	-26.359	74.000	PEAK
4	*	12060.000	9.915	38.290	48.204	-25.796	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/01/14 - 19:36**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1** **802.11b 2437MHz**

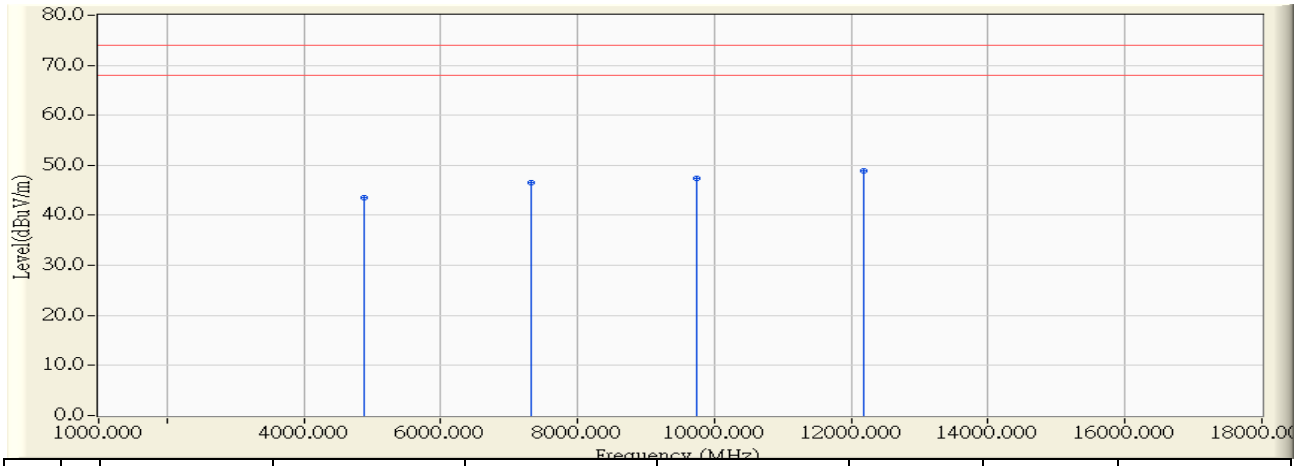


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.000	-2.425	44.660	42.235	-31.765	74.000	PEAK
2		7311.000	6.073	40.560	46.633	-27.367	74.000	PEAK
3		9748.000	8.200	39.550	47.750	-26.250	74.000	PEAK
4	*	12185.000	10.188	38.870	49.058	-24.942	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/01/14 - 19:38**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1** **802.11b 2437MHz**

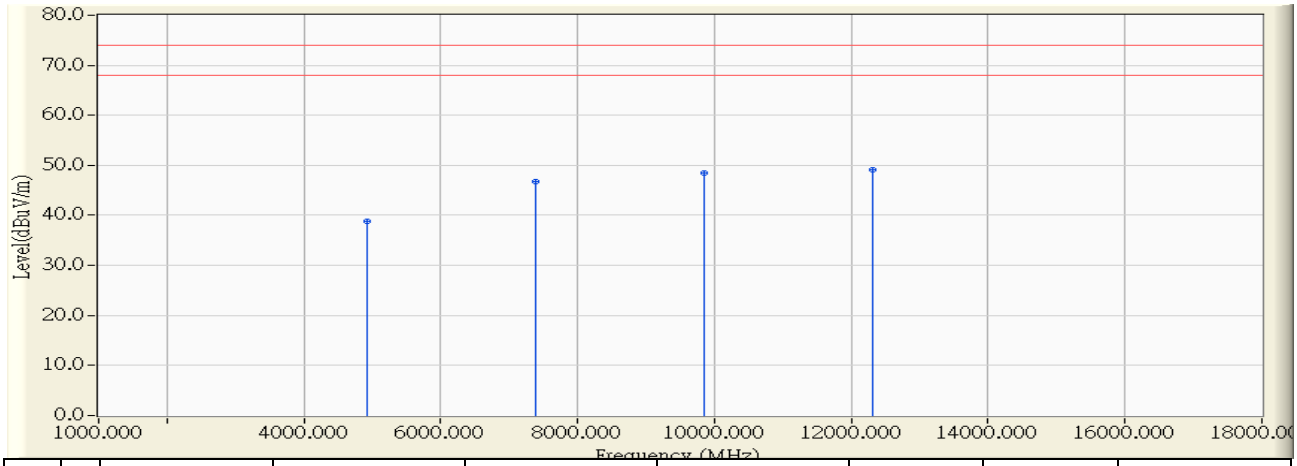


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.000	-1.653	45.090	43.437	-30.563	74.000	PEAK
2		7311.000	5.573	40.970	46.543	-27.457	74.000	PEAK
3		9748.000	7.552	39.900	47.453	-26.547	74.000	PEAK
4	*	12185.000	9.890	39.060	48.950	-25.050	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/01/14 - 19:46**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1** **802.11b 2462MHz**

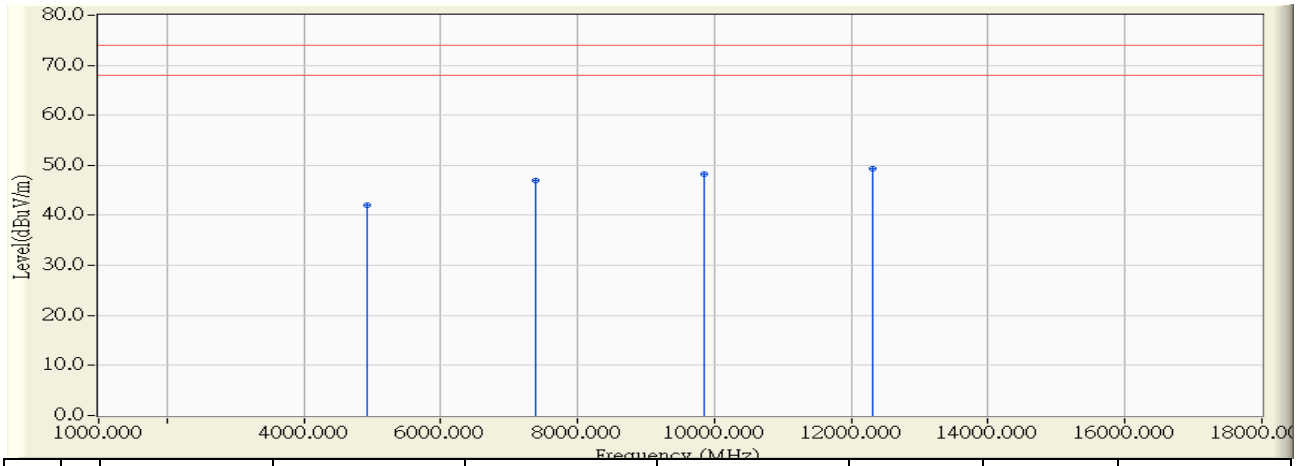


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4924.000	-2.291	41.160	38.869	-35.131	74.000	PEAK
2		7386.000	6.221	40.570	46.791	-27.209	74.000	PEAK
3		9848.000	8.742	39.820	48.562	-25.438	74.000	PEAK
4	*	12310.000	10.040	39.110	49.149	-24.851	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/01/14 - 19:43**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1** **802.11b 2462MHz**

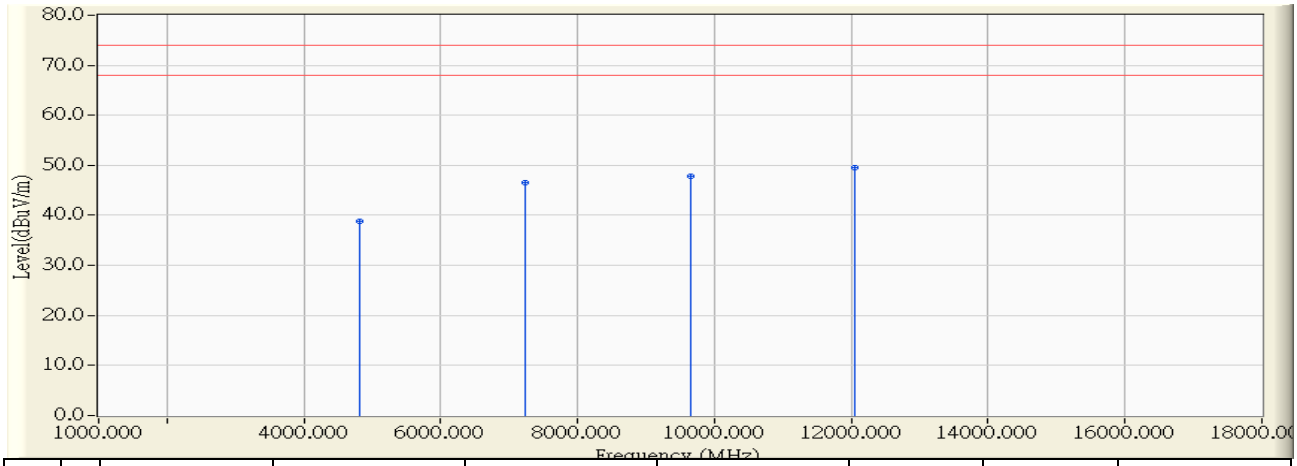


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4924.000	-1.644	43.740	42.096	-31.904	74.000	PEAK
2		7386.000	5.721	41.180	46.901	-27.099	74.000	PEAK
3		9848.000	7.944	40.390	48.334	-25.666	74.000	PEAK
4	*	12310.000	9.867	39.430	49.296	-24.704	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/01/14 - 17:25**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1** **802.11g 2412MHz**

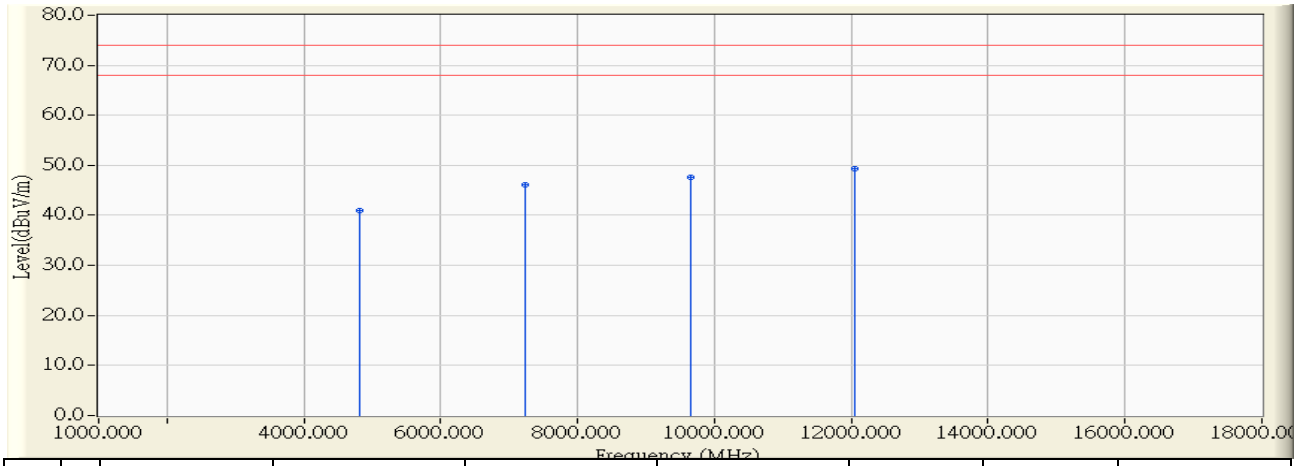


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4824.000	-2.559	41.320	38.761	-35.239	74.000	PEAK
2		7236.000	5.926	40.680	46.606	-27.394	74.000	PEAK
3		9648.000	7.659	40.270	47.929	-26.071	74.000	PEAK
4	*	12060.000	10.338	39.260	49.597	-24.403	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/01/14 - 17:30**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1** **802.11g 2412MHz**

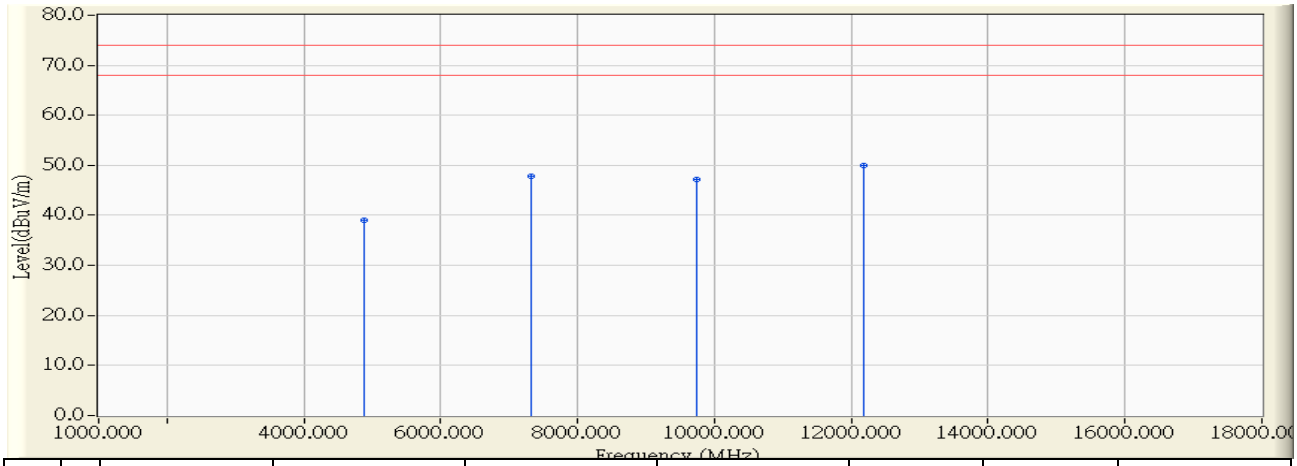


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4824.000	-1.662	42.700	41.038	-32.962	74.000	PEAK
2		7236.000	5.426	40.780	46.206	-27.794	74.000	PEAK
3		9648.000	7.162	40.430	47.591	-26.409	74.000	PEAK
4	*	12060.000	9.915	39.460	49.374	-24.626	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/01/14 - 19:31**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11g 2437MHz**

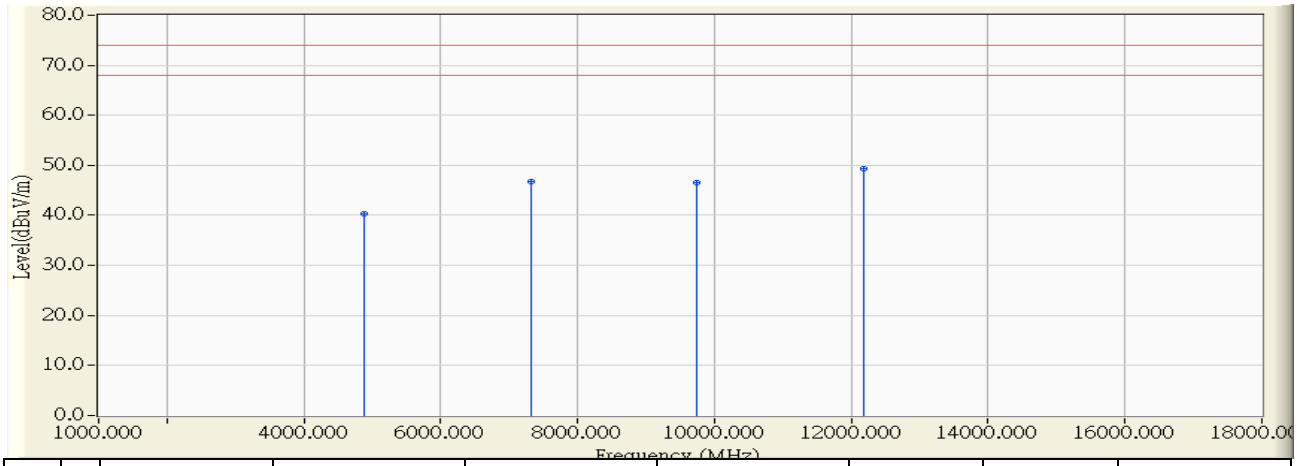


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.000	-2.425	41.410	38.985	-35.015	74.000	PEAK
2		7311.000	6.073	41.790	47.863	-26.137	74.000	PEAK
3		9748.000	8.200	38.920	47.120	-26.880	74.000	PEAK
4	*	12185.000	10.188	39.680	49.868	-24.132	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/01/14 - 19:23**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1** **802.11g 2437MHz**

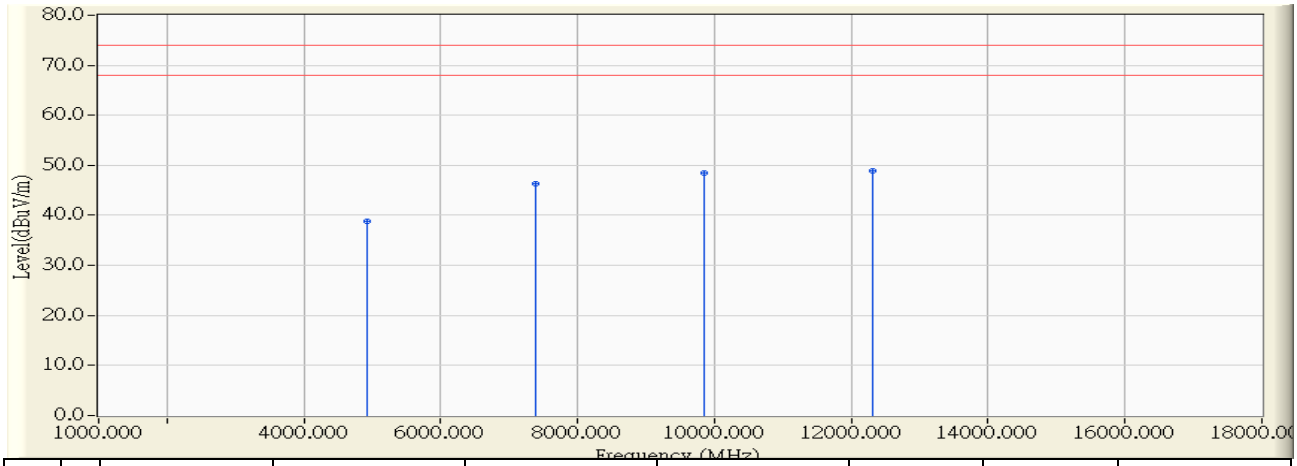


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.000	-1.653	41.870	40.217	-33.783	74.000	PEAK
2		7311.000	5.573	41.220	46.793	-27.207	74.000	PEAK
3		9748.000	7.552	39.080	46.633	-27.367	74.000	PEAK
4	*	12185.000	9.890	39.460	49.350	-24.650	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/01/14 - 19:50**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1** **802.11g 2462MHz**

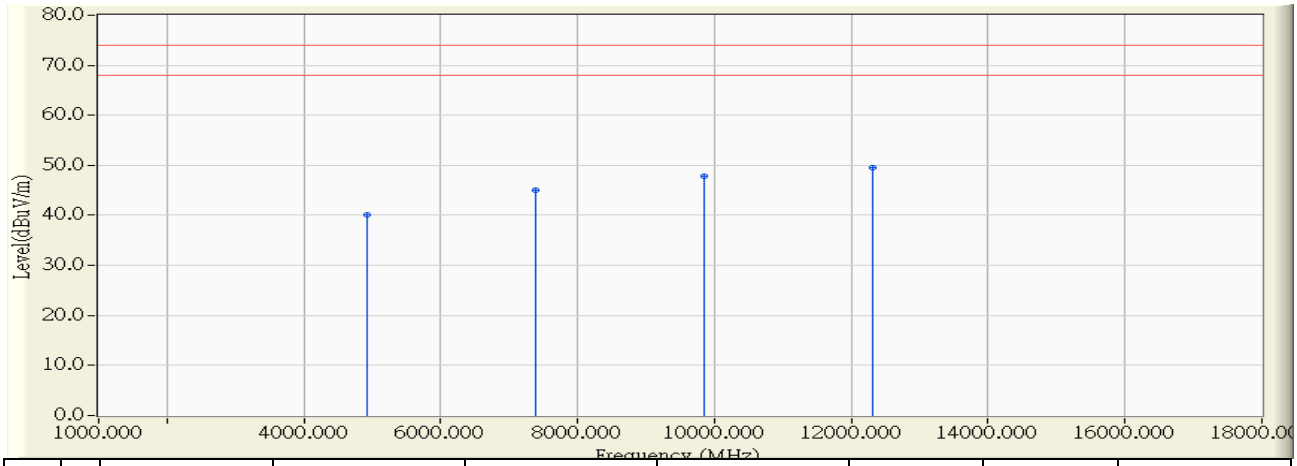


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4924.000	-2.291	41.200	38.909	-35.091	74.000	PEAK
2		7386.000	6.221	40.140	46.361	-27.639	74.000	PEAK
3		9848.000	8.742	39.770	48.512	-25.488	74.000	PEAK
4	*	12310.000	10.040	38.810	48.849	-25.151	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/01/14 - 19:52**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11g 2462MHz**

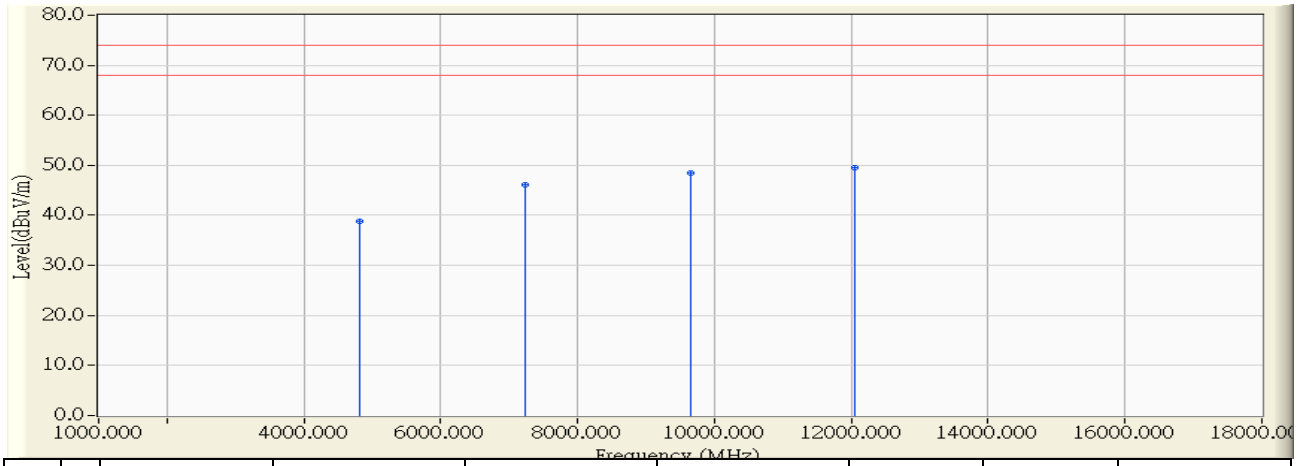


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4924.000	-1.644	41.840	40.196	-33.804	74.000	PEAK
2		7386.000	5.721	39.310	45.031	-28.969	74.000	PEAK
3		9848.000	7.944	39.990	47.934	-26.066	74.000	PEAK
4	*	12310.000	9.867	39.600	49.466	-24.534	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/01/14 - 17:49**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M) 2412MHz**

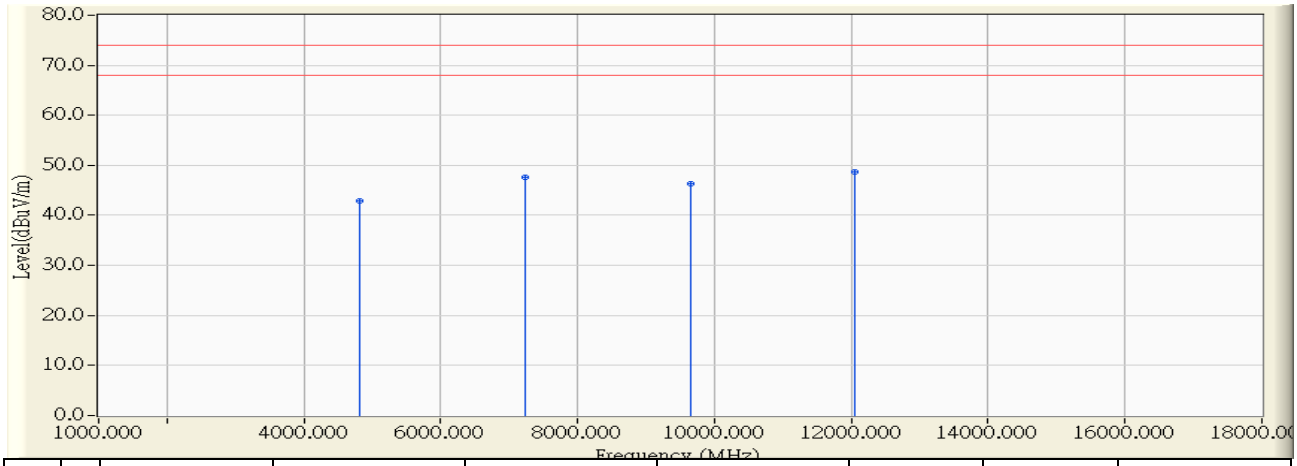


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4824.000	-2.559	41.450	38.891	-35.109	74.000	PEAK
2		7236.000	5.926	40.200	46.126	-27.874	74.000	PEAK
3		9648.000	7.659	40.710	48.369	-25.631	74.000	PEAK
4	*	12060.000	10.338	39.110	49.447	-24.553	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/01/14 - 17:41**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M) 2412MHz**

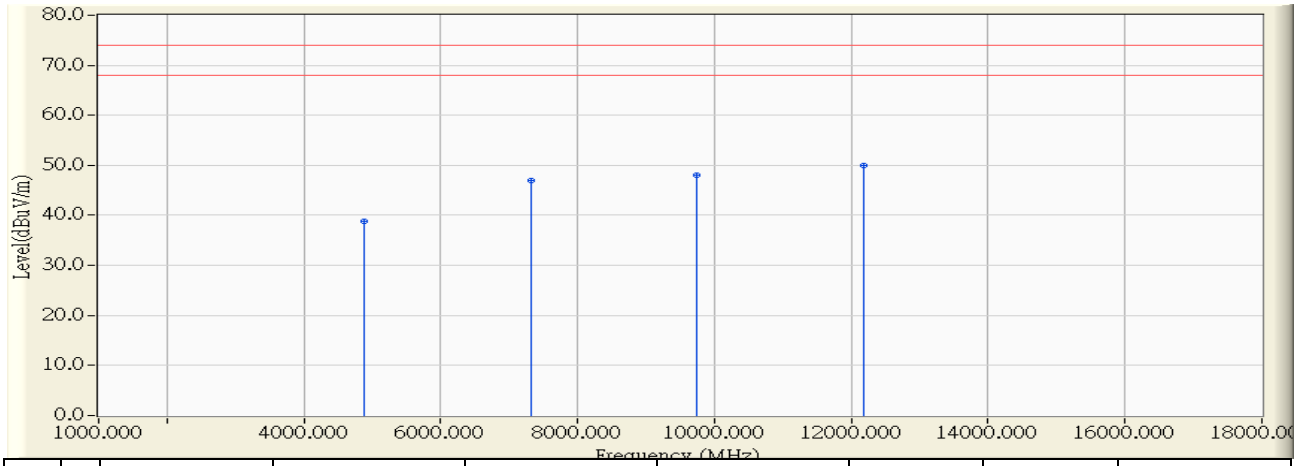


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4824.000	-1.662	44.580	42.918	-31.082	74.000	PEAK
2		7236.000	5.426	42.180	47.606	-26.394	74.000	PEAK
3		9648.000	7.162	39.250	46.411	-27.589	74.000	PEAK
4	*	12060.000	9.915	38.670	48.584	-25.416	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/01/14 - 19:14**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1** **802.11n(20M) 2437MHz**

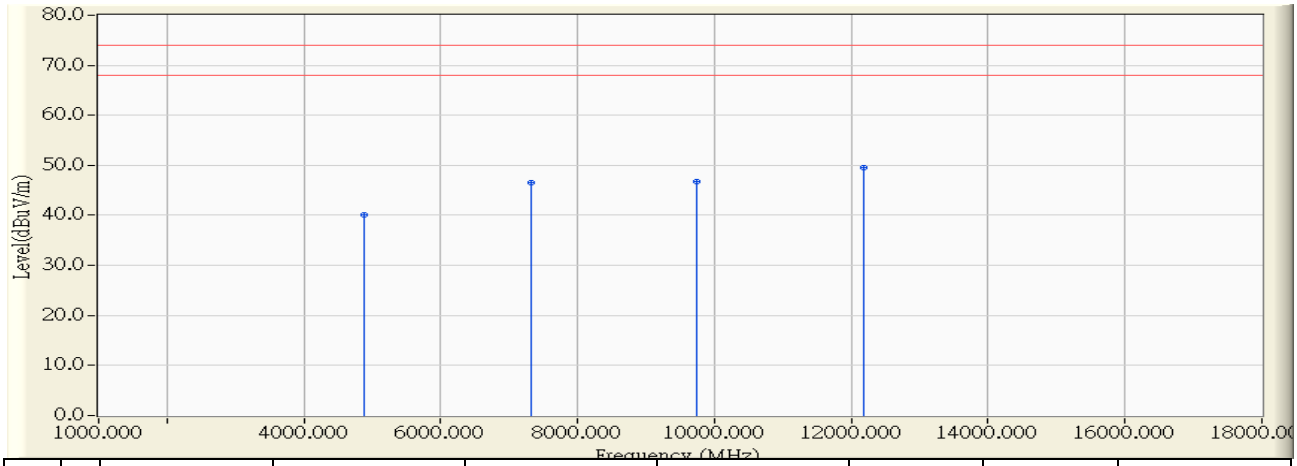


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.000	-2.425	41.250	38.825	-35.175	74.000	PEAK
2		7311.000	6.073	40.870	46.943	-27.057	74.000	PEAK
3		9748.000	8.200	39.930	48.130	-25.870	74.000	PEAK
4	*	12185.000	10.188	39.720	49.908	-24.092	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/01/14 - 19:18**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1** **802.11n(20M) 2437MHz**

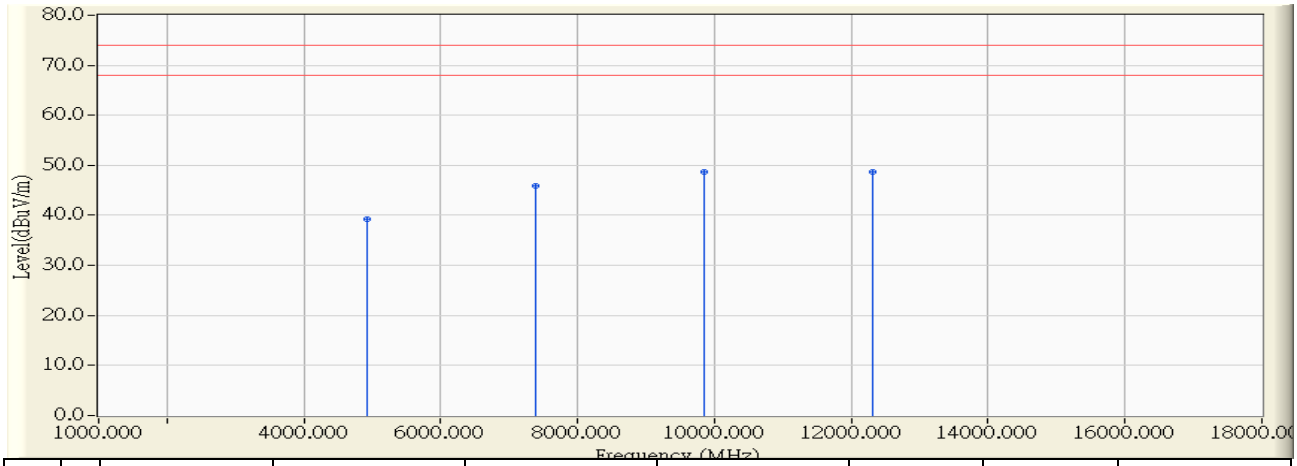


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.000	-1.653	41.700	40.047	-33.953	74.000	PEAK
2		7311.000	5.573	40.920	46.493	-27.507	74.000	PEAK
3		9748.000	7.552	39.150	46.703	-27.297	74.000	PEAK
4	*	12185.000	9.890	39.730	49.620	-24.380	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/01/14 - 19:54**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M) 2462MHz**

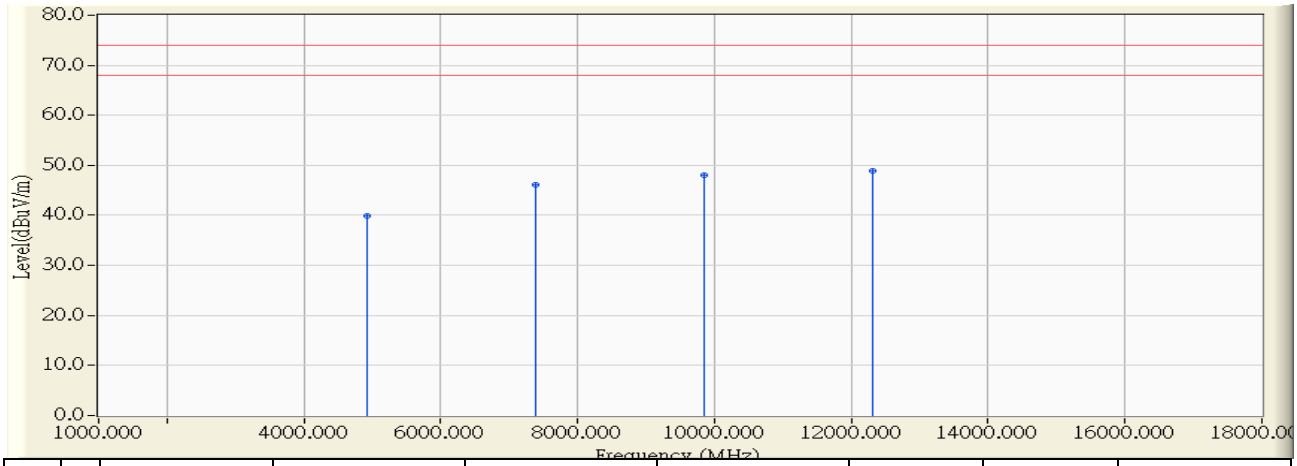


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4924.000	-2.291	41.500	39.209	-34.791	74.000	PEAK
2		7386.000	6.221	39.740	45.961	-28.039	74.000	PEAK
3		9848.000	8.742	39.870	48.612	-25.388	74.000	PEAK
4	*	12310.000	10.040	38.610	48.649	-25.351	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/01/14 - 19:53**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M) 2462MHz**

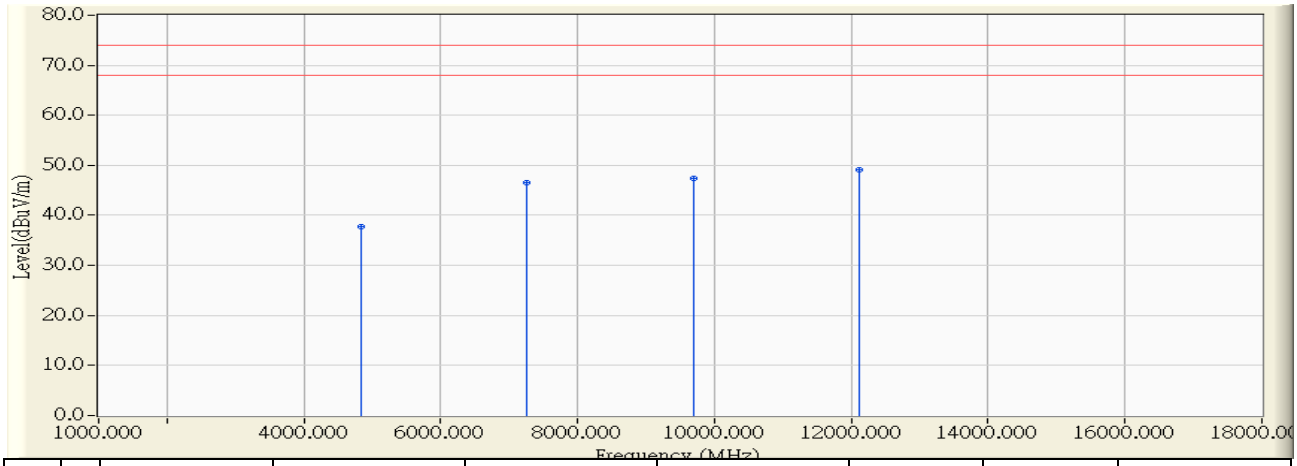


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4924.000	-1.644	41.640	39.996	-34.004	74.000	PEAK
2		7386.000	5.721	40.310	46.031	-27.969	74.000	PEAK
3		9848.000	7.944	40.090	48.034	-25.966	74.000	PEAK
4	*	12310.000	9.867	39.100	48.966	-25.034	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/01/14 - 17:56**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1** **802.11n(40M) 2422MHz**

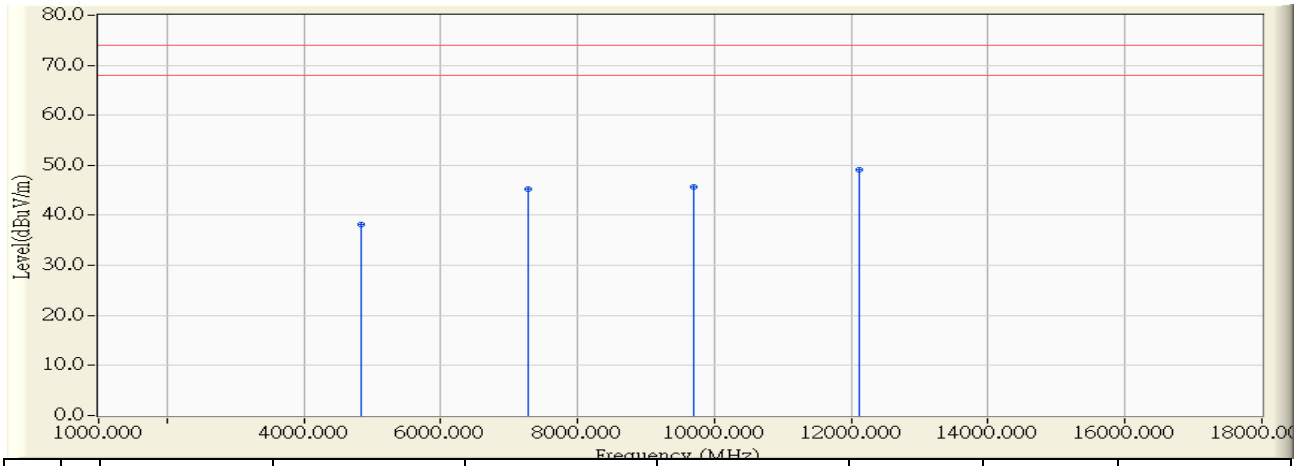


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4844.000	-2.506	40.290	37.784	-36.216	74.000	PEAK
2		7266.000	5.985	40.500	46.485	-27.515	74.000	PEAK
3		9688.000	7.875	39.500	47.375	-26.625	74.000	PEAK
4	*	12110.000	10.278	38.740	49.018	-24.982	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/01/14 - 18:41**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1** **802.11n(40M) 2422MHz**

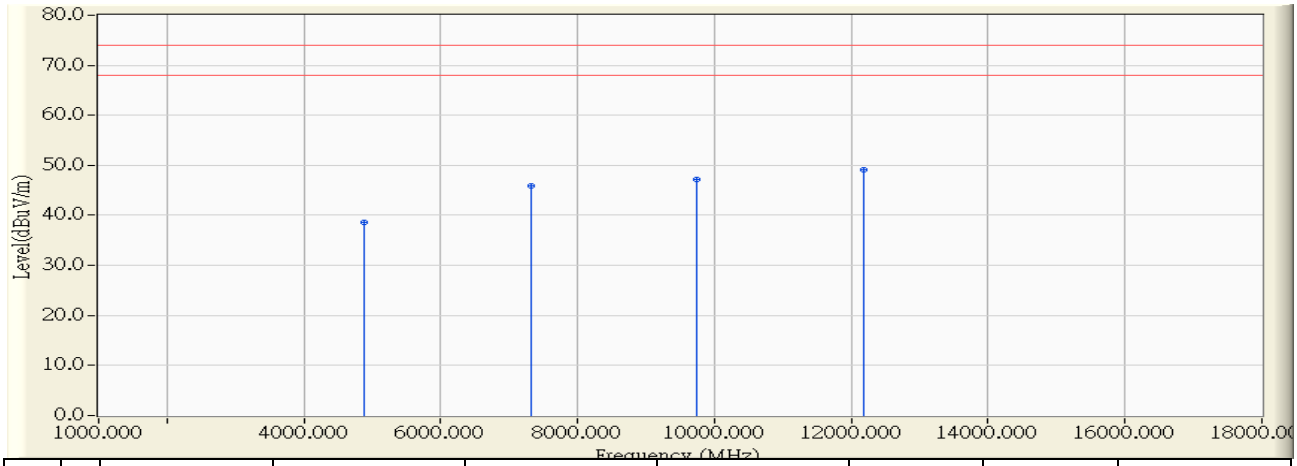


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4840.000	-1.660	39.810	38.151	-35.849	74.000	PEAK
2		7268.000	5.489	39.810	45.299	-28.701	74.000	PEAK
3		9690.000	7.325	38.350	45.676	-28.324	74.000	PEAK
4	*	12110.000	9.905	39.300	49.205	-24.795	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/01/14 - 18:59**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1** **802.11n(40M) 2437MHz**

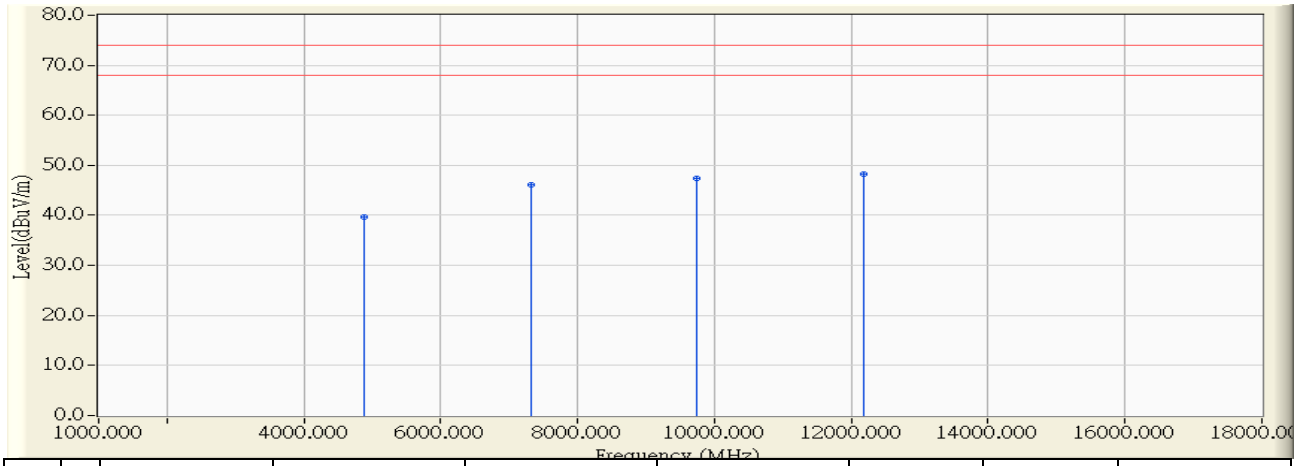


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.000	-2.425	41.100	38.675	-35.325	74.000	PEAK
2		7311.000	6.073	39.860	45.933	-28.067	74.000	PEAK
3		9748.000	8.200	39.020	47.220	-26.780	74.000	PEAK
4	*	12185.000	10.188	38.870	49.058	-24.942	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/01/14 - 18:56**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1** **802.11n(40M) 2437MHz**

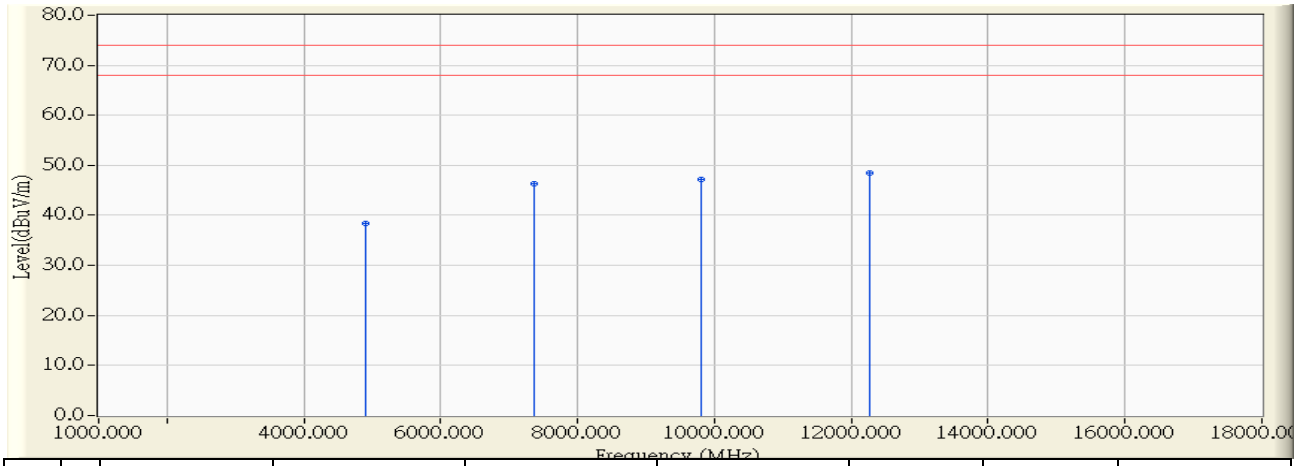


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.000	-1.653	41.350	39.697	-34.303	74.000	PEAK
2		7311.000	5.573	40.440	46.013	-27.987	74.000	PEAK
3		9748.000	7.552	39.780	47.333	-26.667	74.000	PEAK
4	*	12185.000	9.890	38.330	48.220	-25.780	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/01/14 - 20:03**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1** **802.11n(40M) 2452MHz**

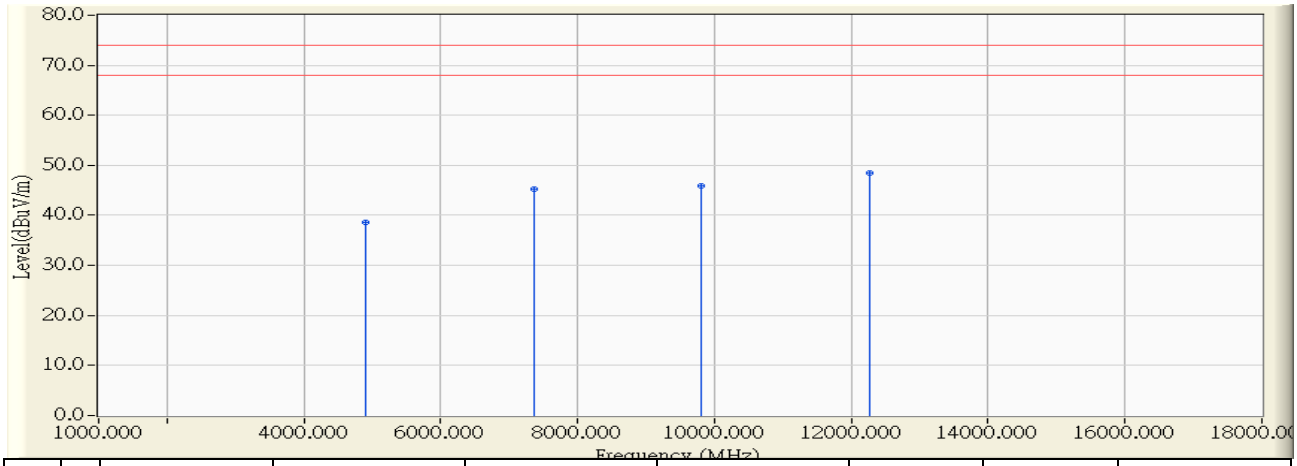


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4904.000	-2.345	40.720	38.375	-35.625	74.000	PEAK
2		7356.000	6.162	40.120	46.282	-27.718	74.000	PEAK
3		9809.000	8.530	38.560	47.091	-26.909	74.000	PEAK
4	*	12260.000	10.100	38.380	48.479	-25.521	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2016/01/14 - 19:56**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1** **802.11n(40M) 2452MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4904.000	-1.648	40.220	38.573	-35.427	74.000	PEAK
2		7356.000	5.662	39.620	45.282	-28.718	74.000	PEAK
3		9809.000	7.791	38.060	45.852	-28.148	74.000	PEAK
4	*	12260.000	9.877	38.680	48.556	-25.444	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.

5. RF antenna conducted test

5.1. Test Equipment

The following test equipments are used during the test:

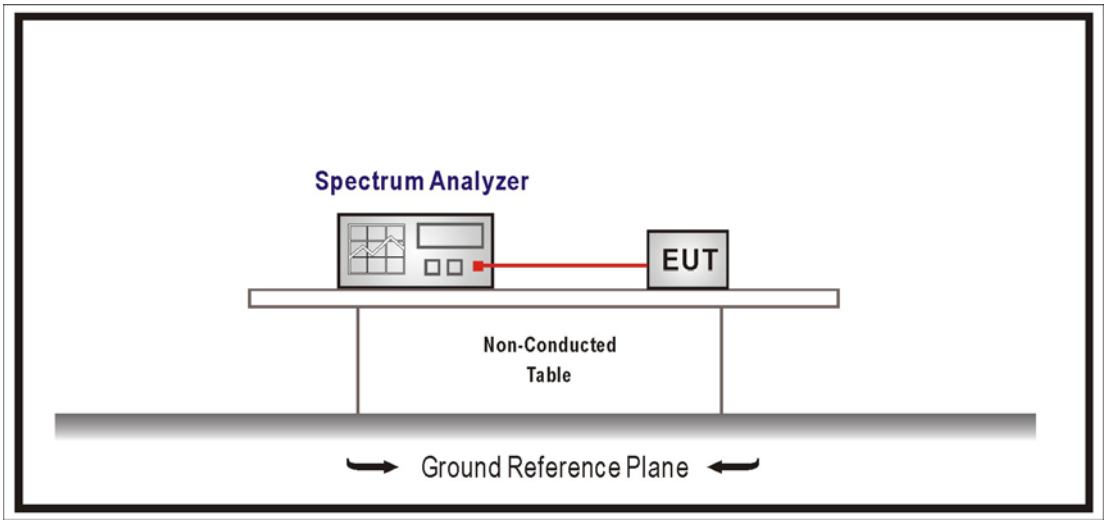
RF antenna conducted test / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2016/08/23

Note: 1. 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 C63.4: 2009 and tested according to DTS test procedure of Jan. 2012 KDB558074 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: 2011

5.6. Uncertainty

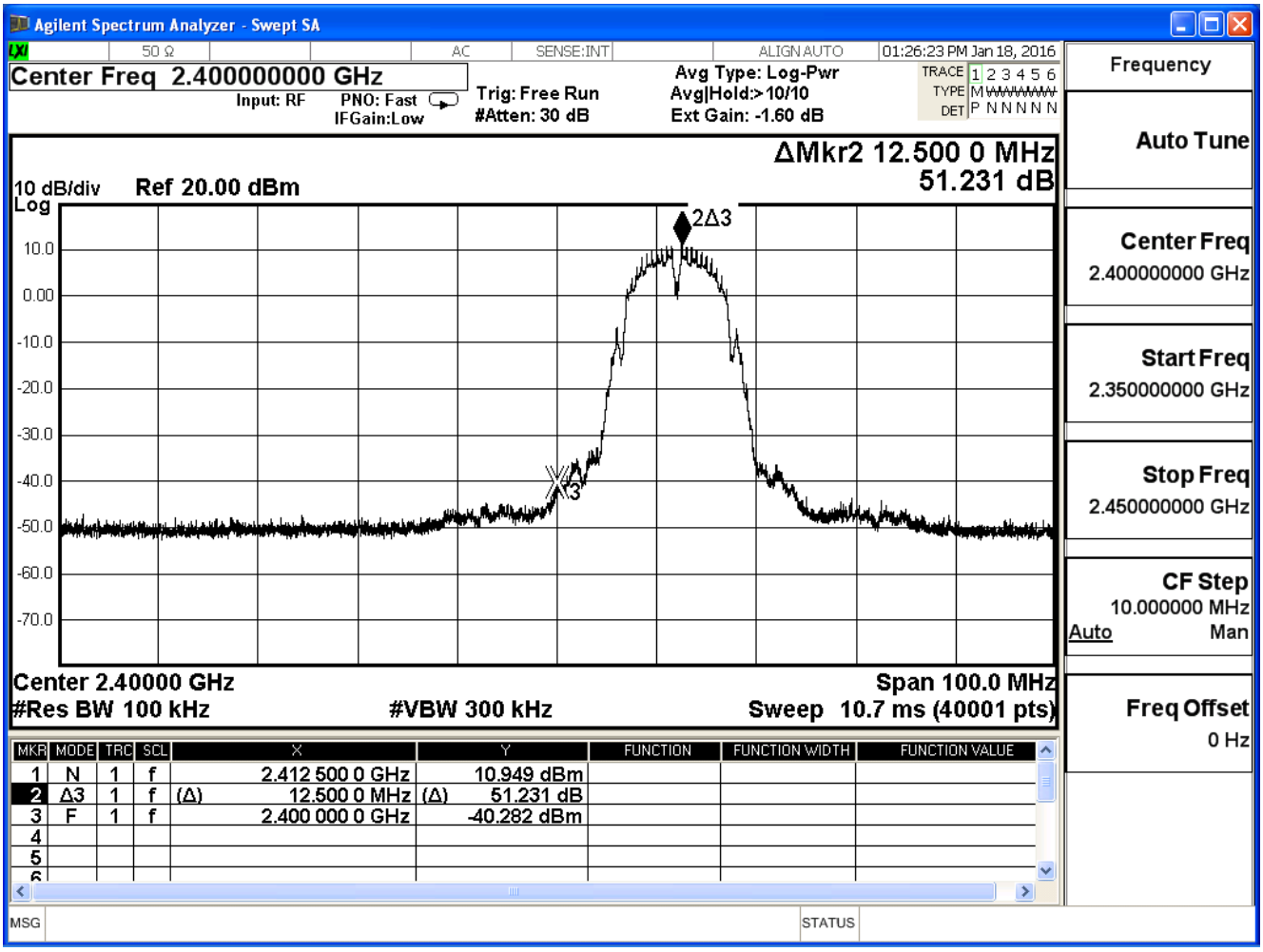
Conducted is defined as ± 1.27dB

5.7. Test Result

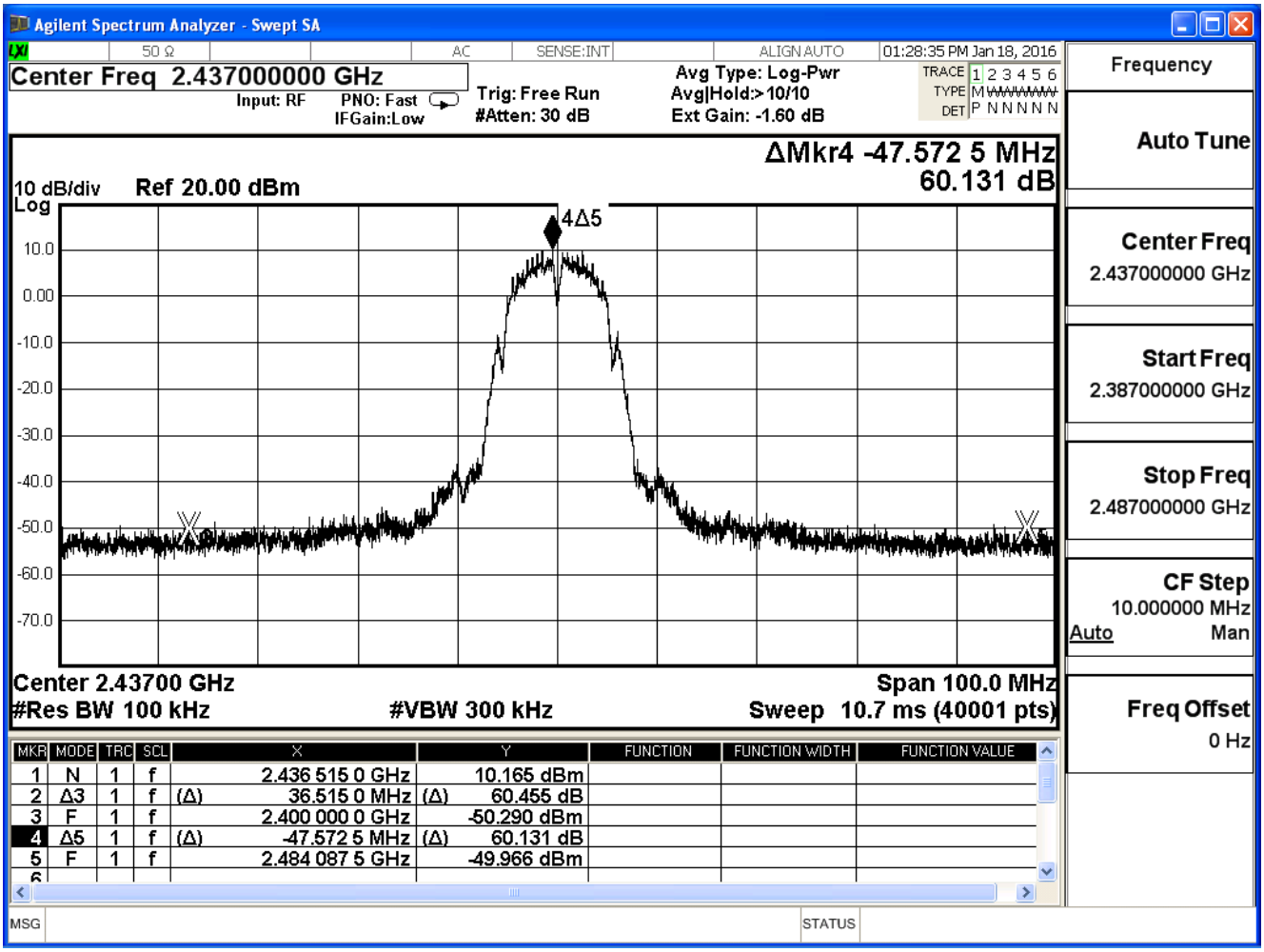
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/01/18	Test Site	SR7

IEEE 802.11b, Antenna Gain: 2dBi Duty Cycle: 1				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	51.231	≧20	Pass
6	2437	60.131	≧20	Pass
11	2462	57.285	≧20	Pass

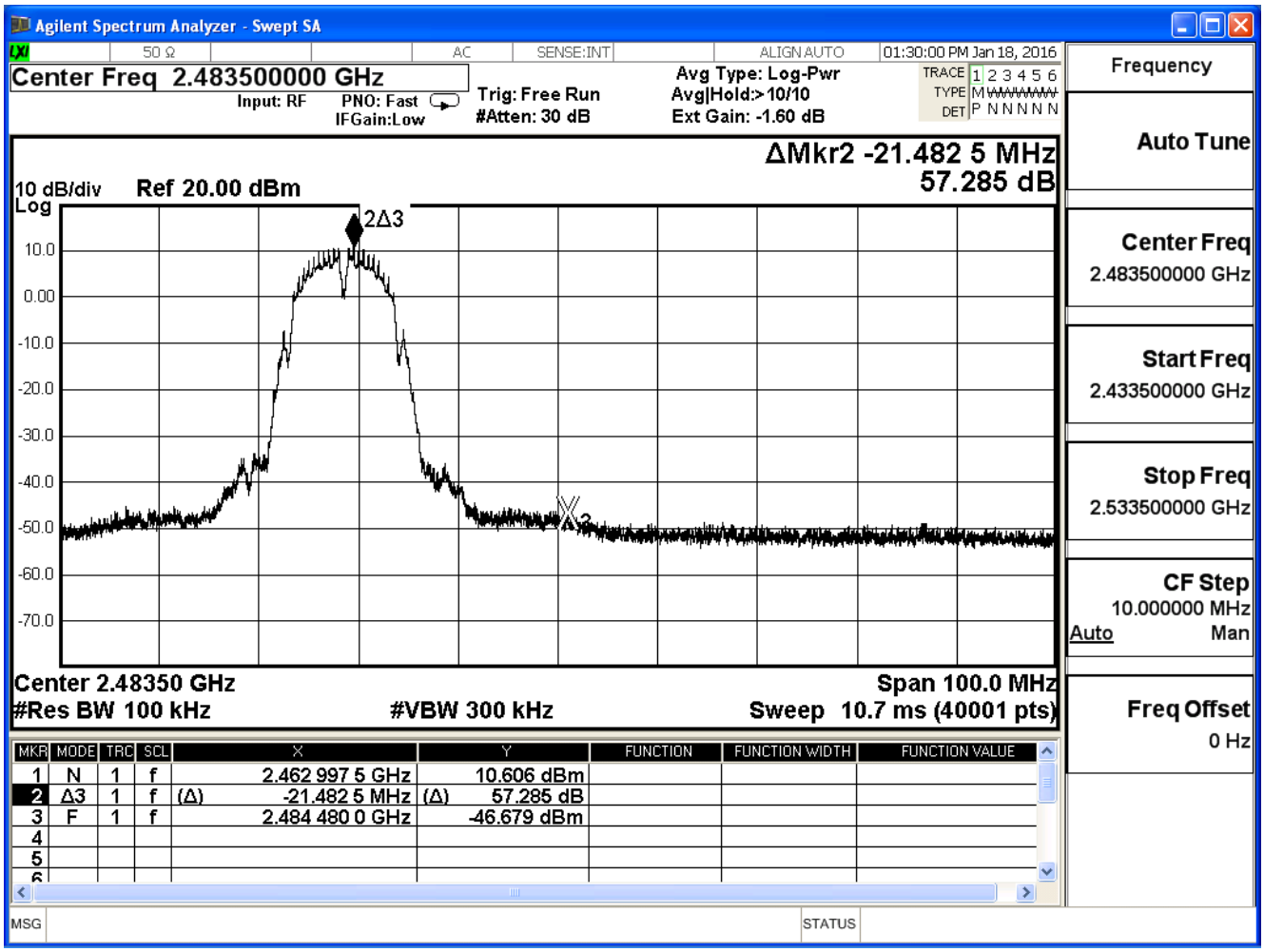
Channel 1 (2412MHz)



Channel 6 (2437MHz)



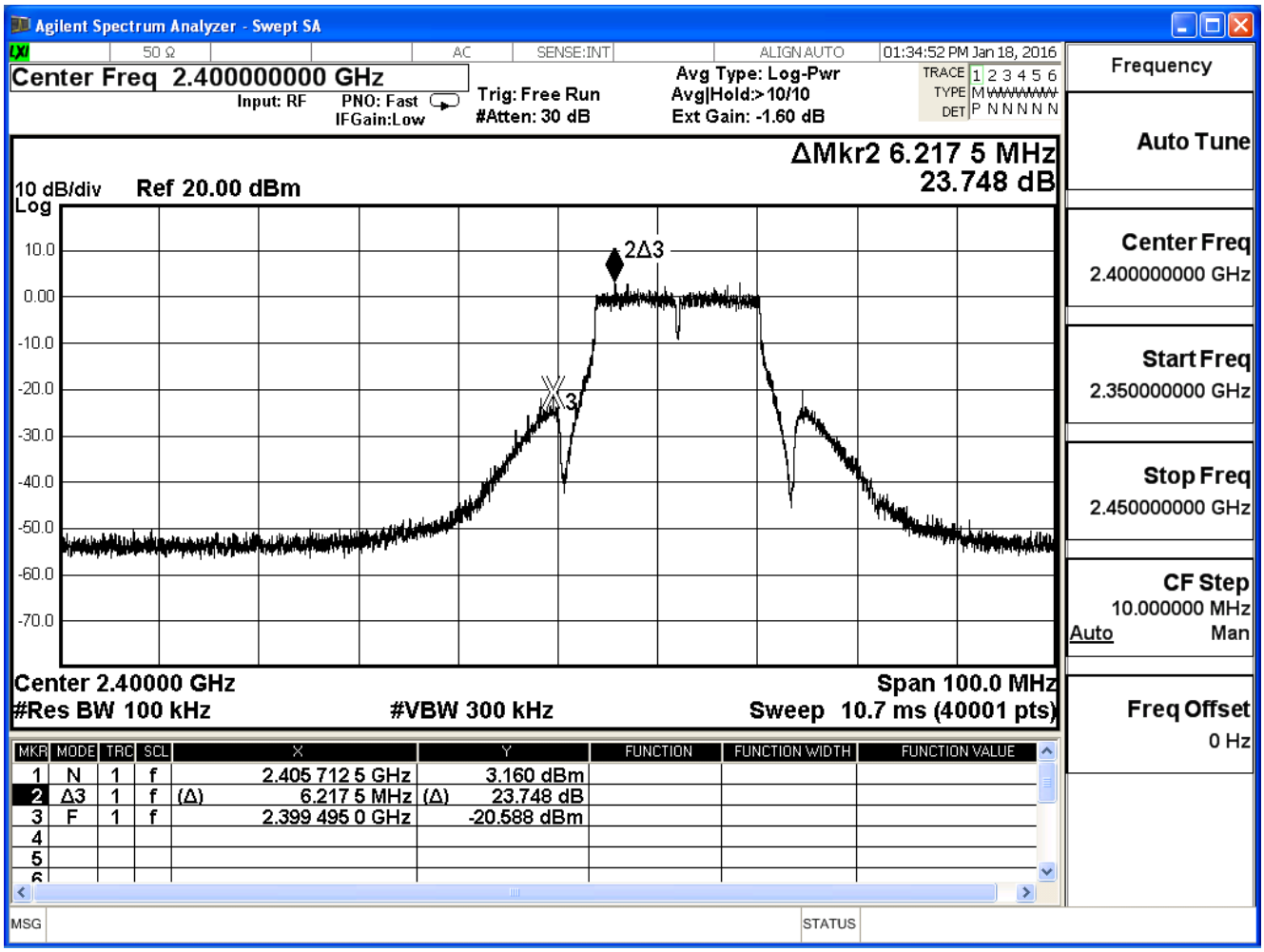
Channel 11 (2462MHz)



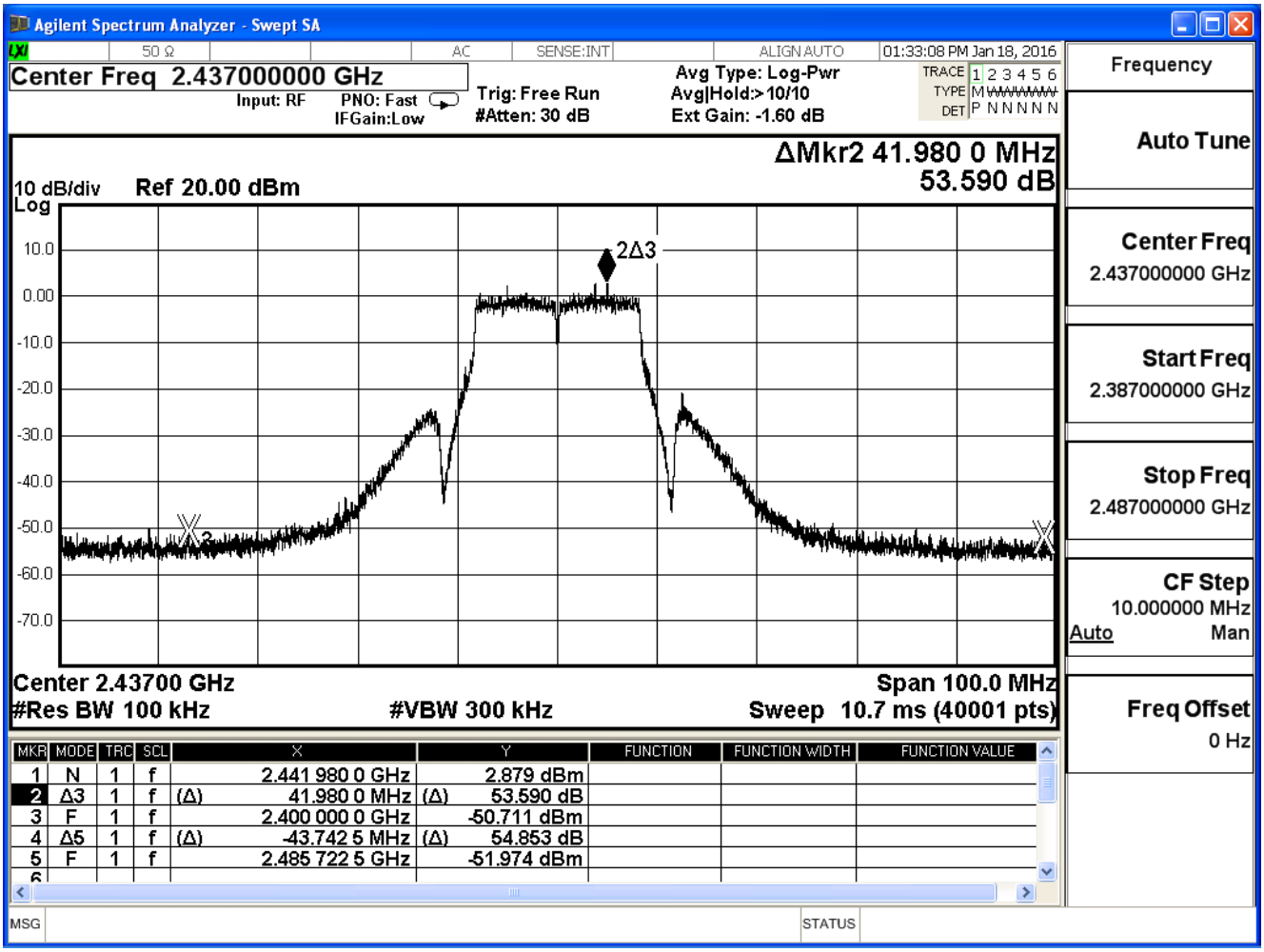
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/01/18	Test Site	SR7

IEEE 802.11g, Antenna Gain: 2dBi Duty Cycle: 1				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	23.748	≧20	Pass
6	2437	53.590	≧20	Pass
11	2462	48.148	≧20	Pass

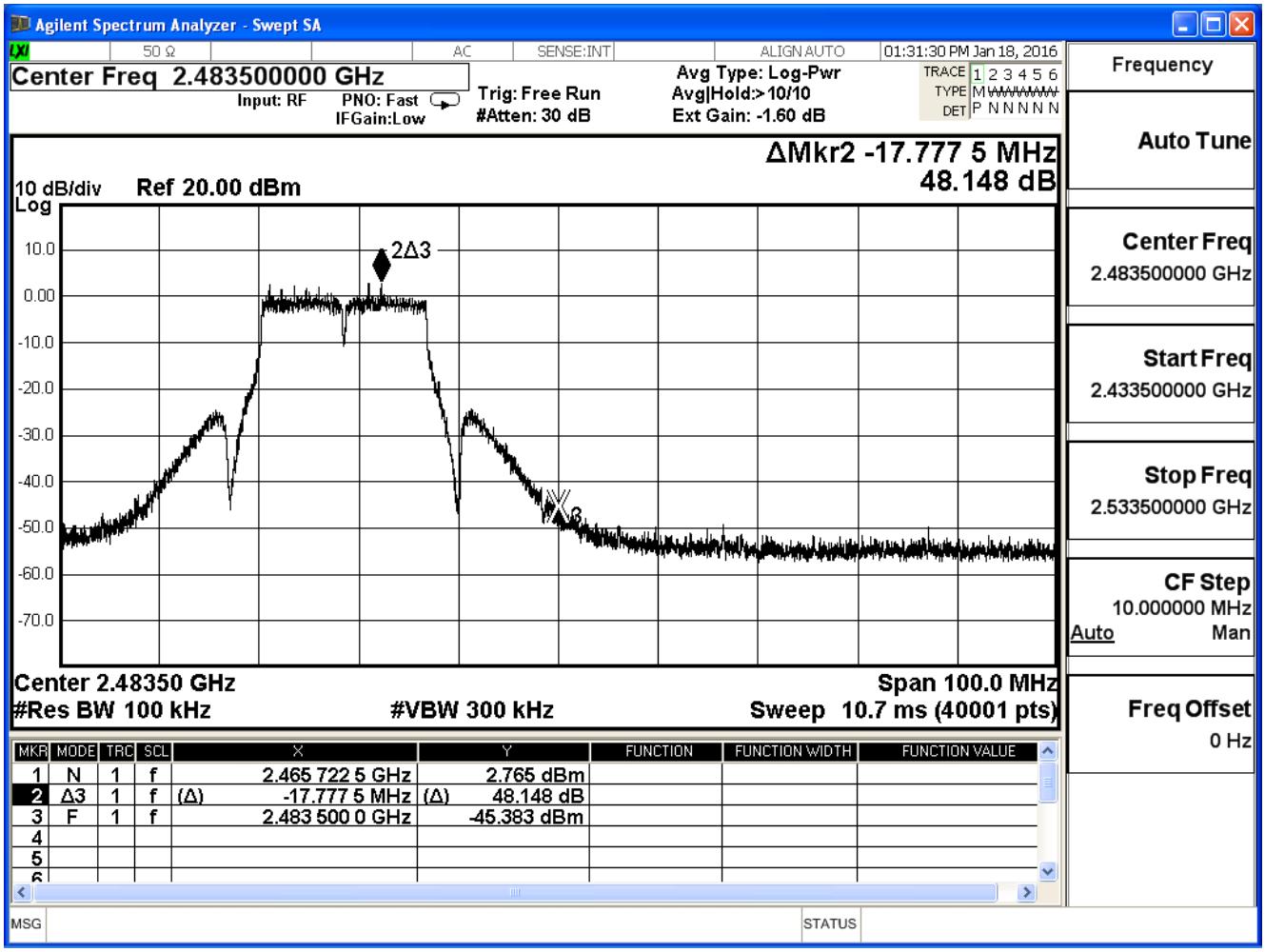
Channel 1 (2412MHz)



Channel 6 (2437MHz)



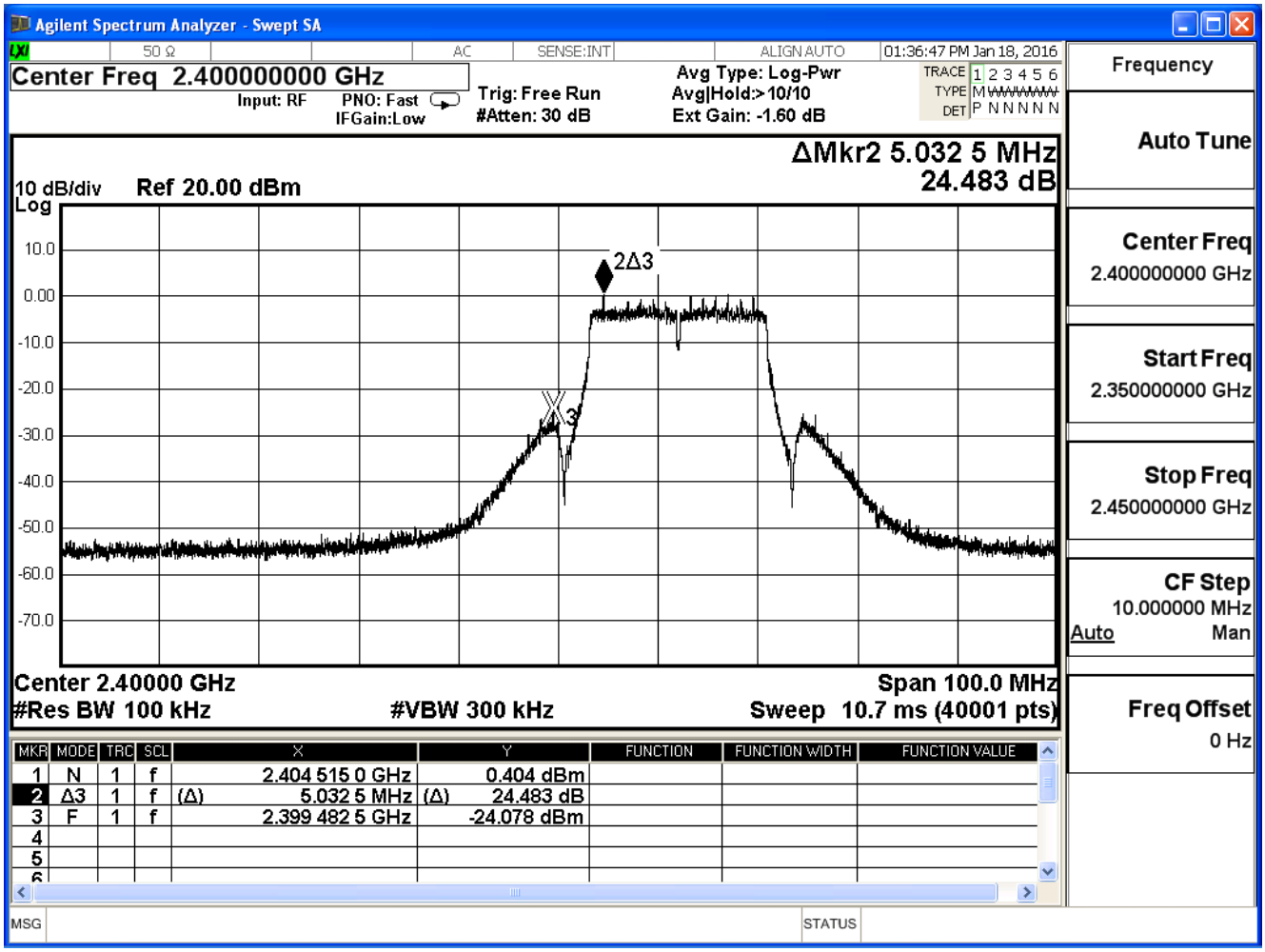
Channel 11 (2462MHz)



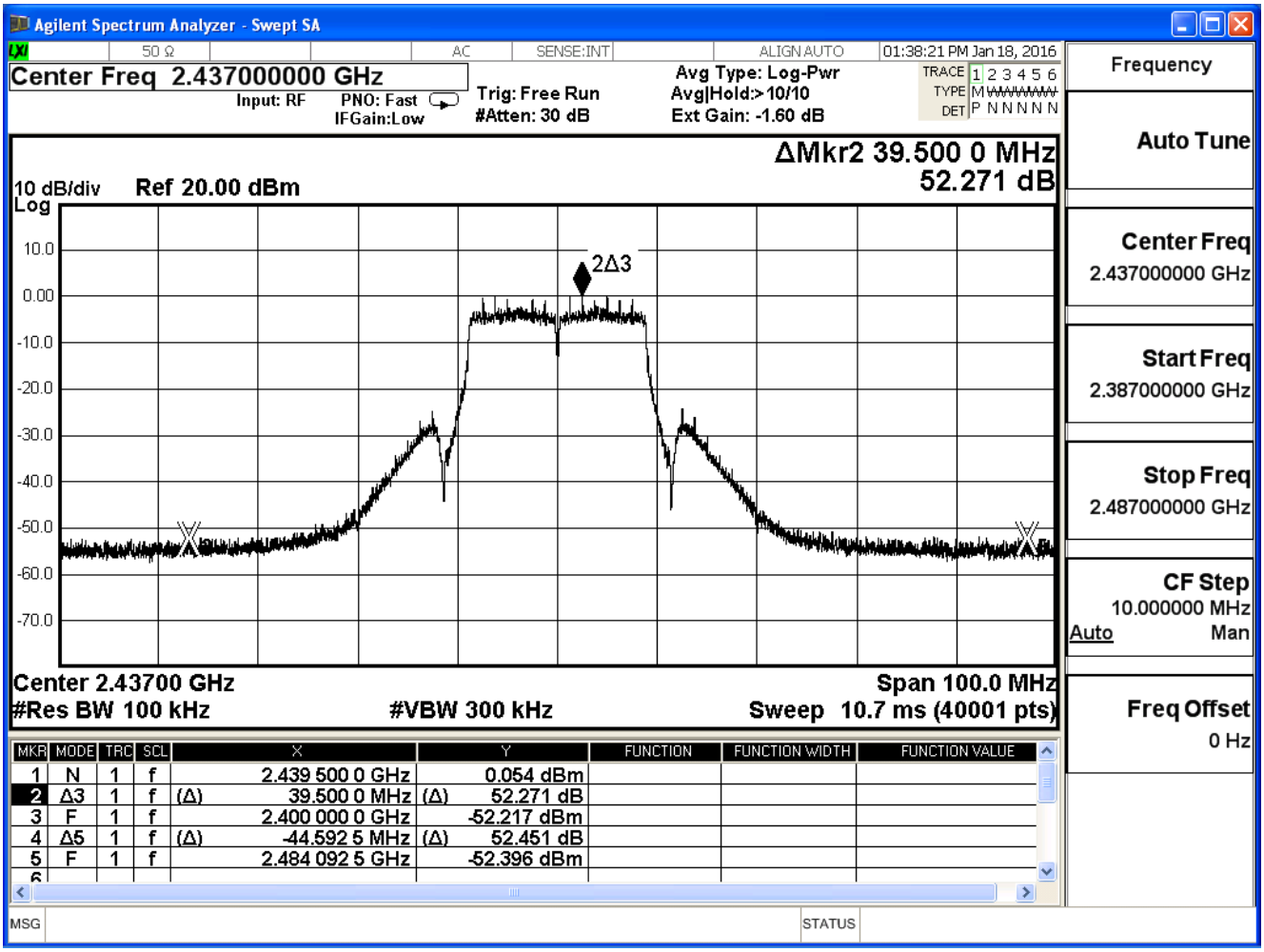
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/01/18	Test Site	SR7

IEEE 802.11n (20MHz), (ANT 0) , Antenna Gain: 2dBi Duty Cycle: 1				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	24.483	≧20	Pass
6	2437	52.271	≧20	Pass
11	2462	49.861	≧20	Pass

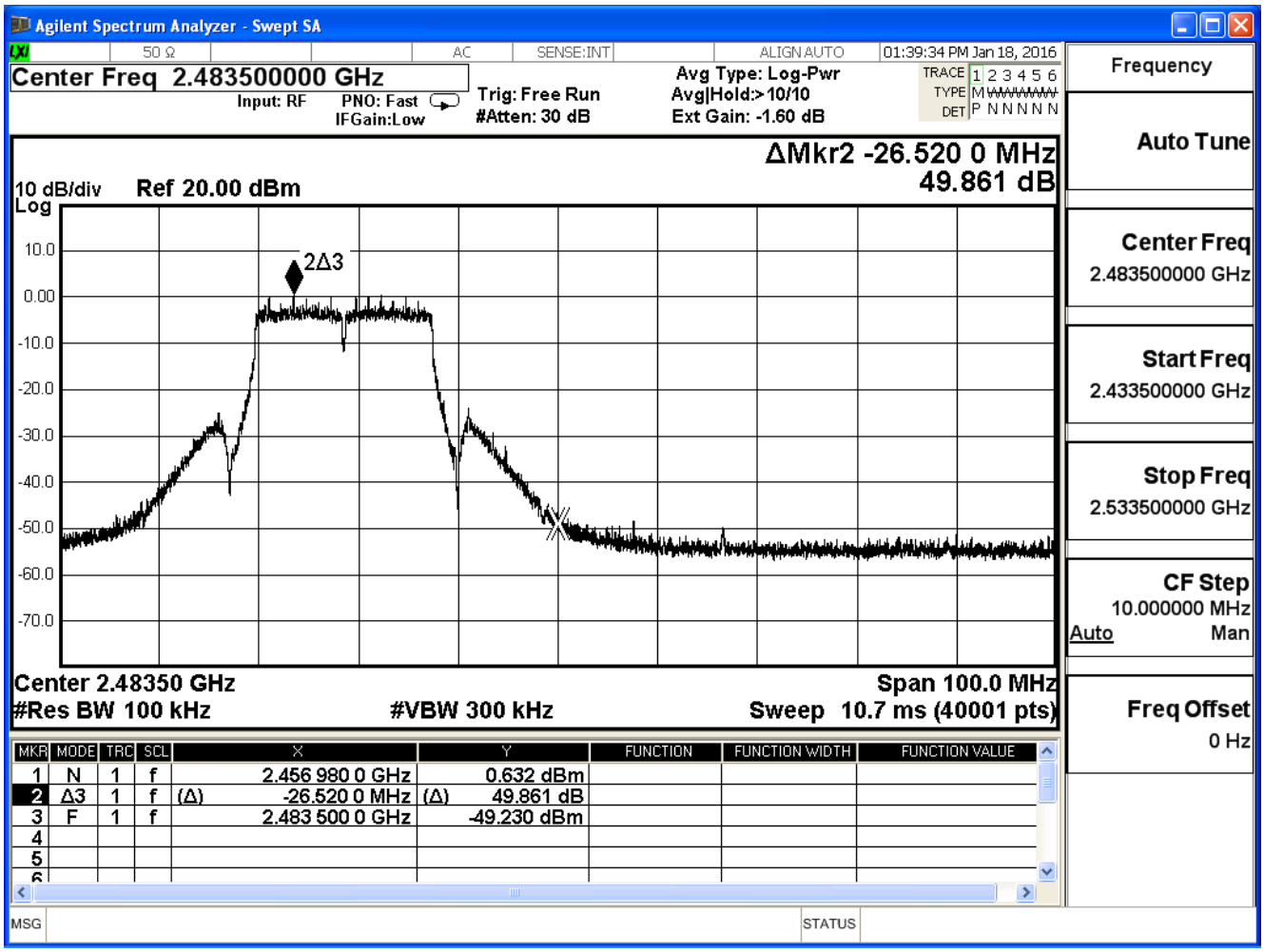
Channel 1 (2412MHz)



Channel 6 (2437MHz)



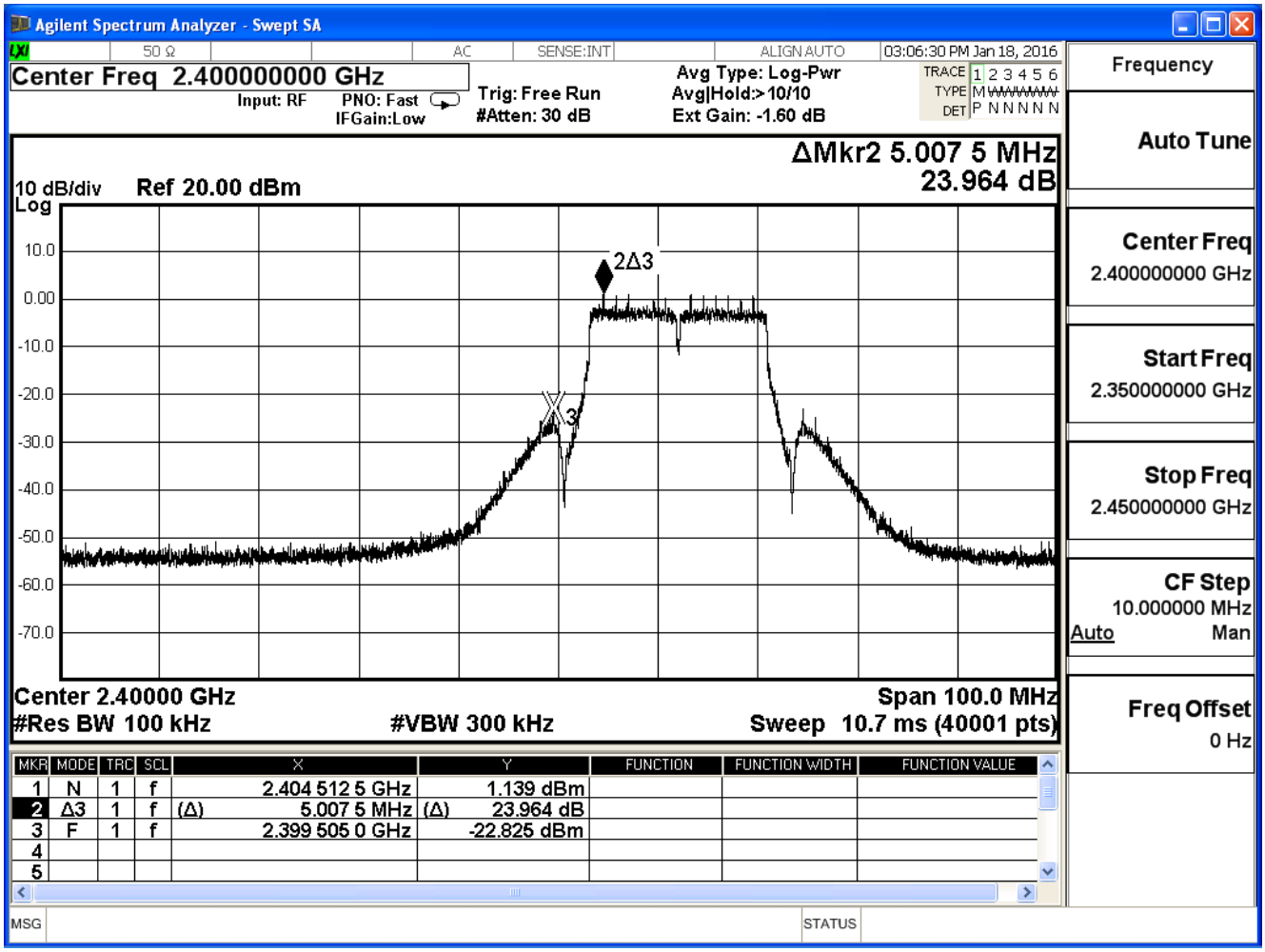
Channel 11 (2462MHz)



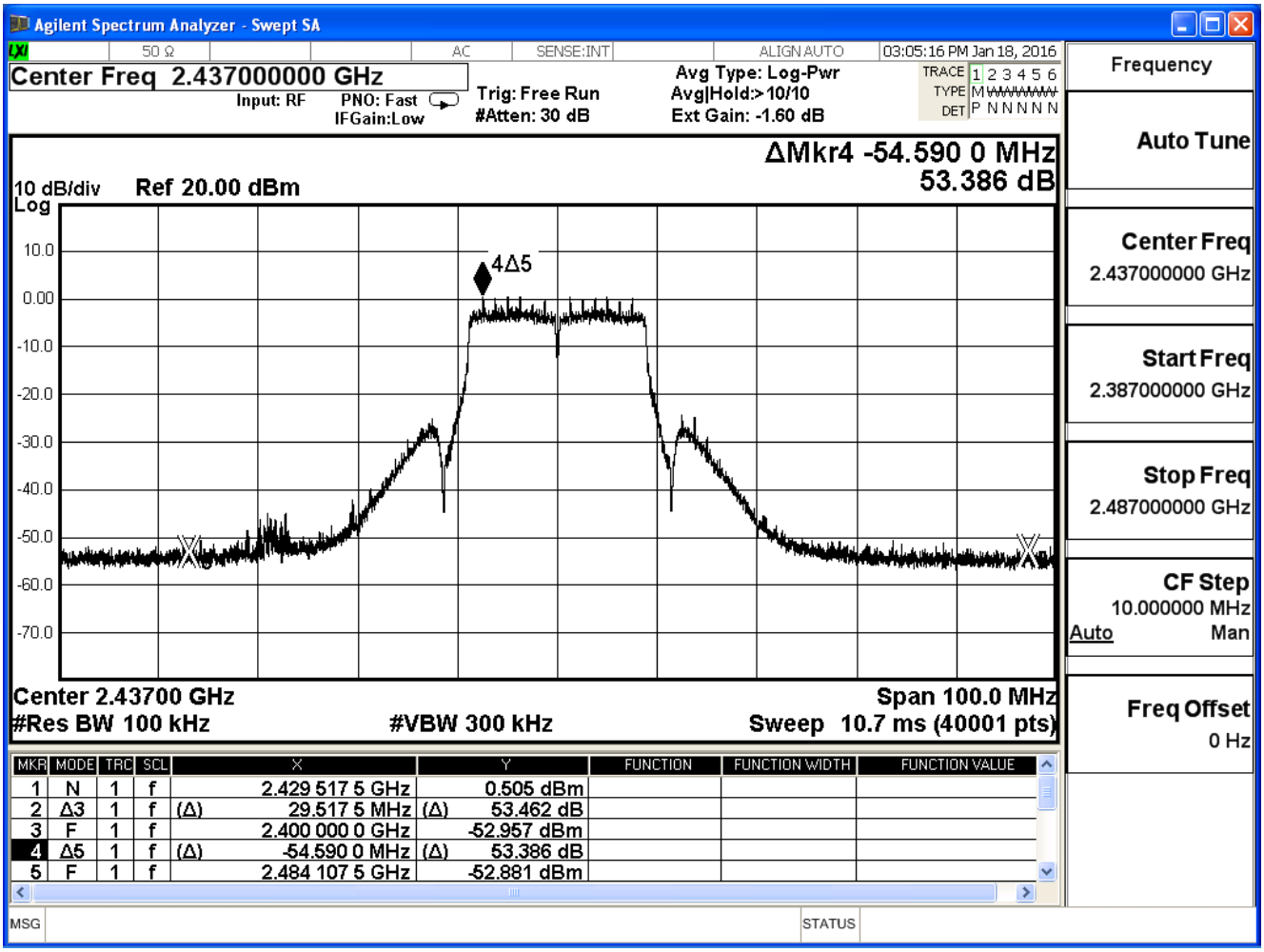
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/01/18	Test Site	SR7

IEEE 802.11n (20MHz), (ANT 1) , Antenna Gain: 2dBi Duty Cycle: 1				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	23.964	≧20	Pass
6	2437	53.386	≧20	Pass
11	2462	47.535	≧20	Pass

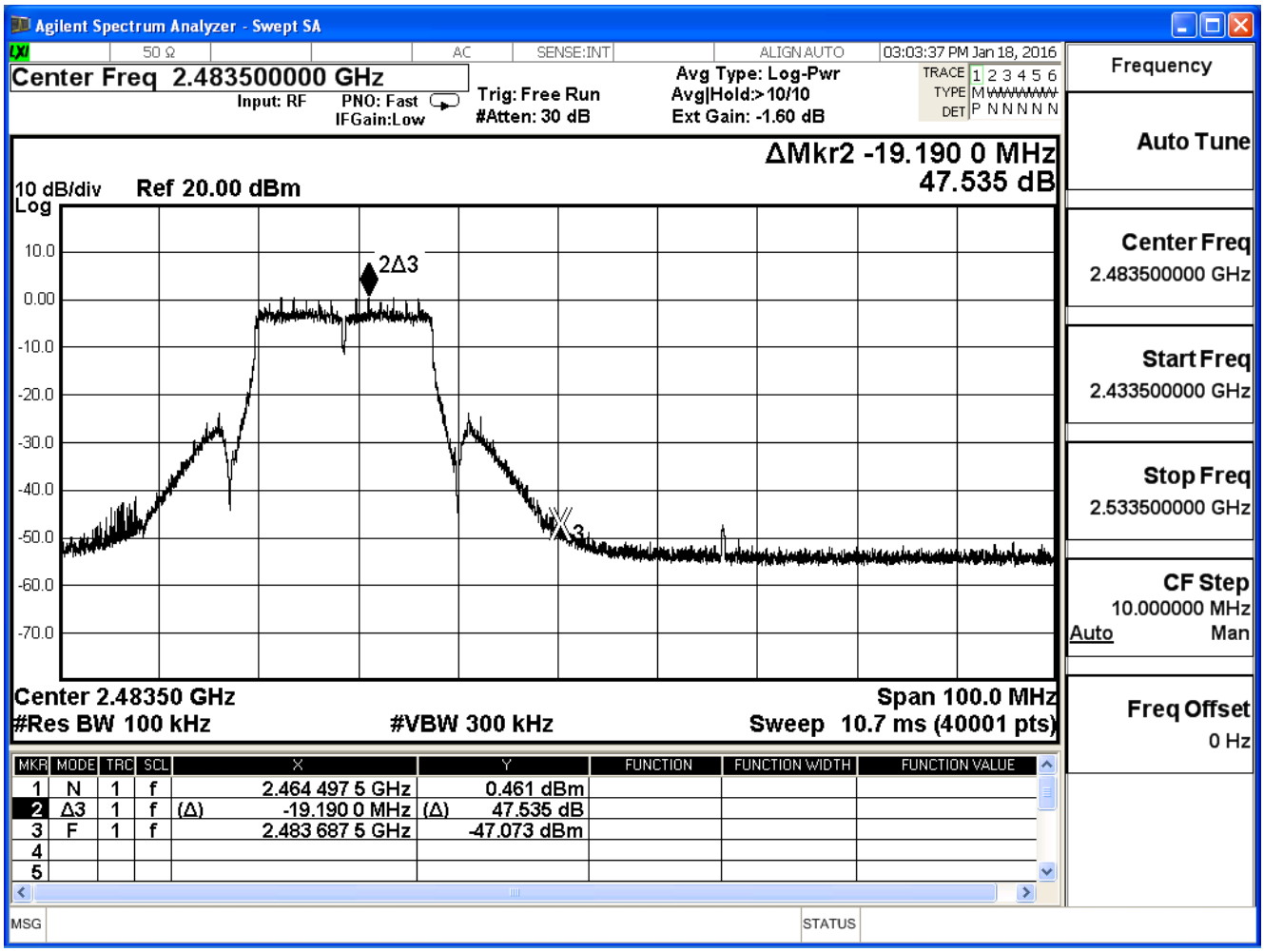
Channel 1 (2412MHz)



Channel 6 (2437MHz)



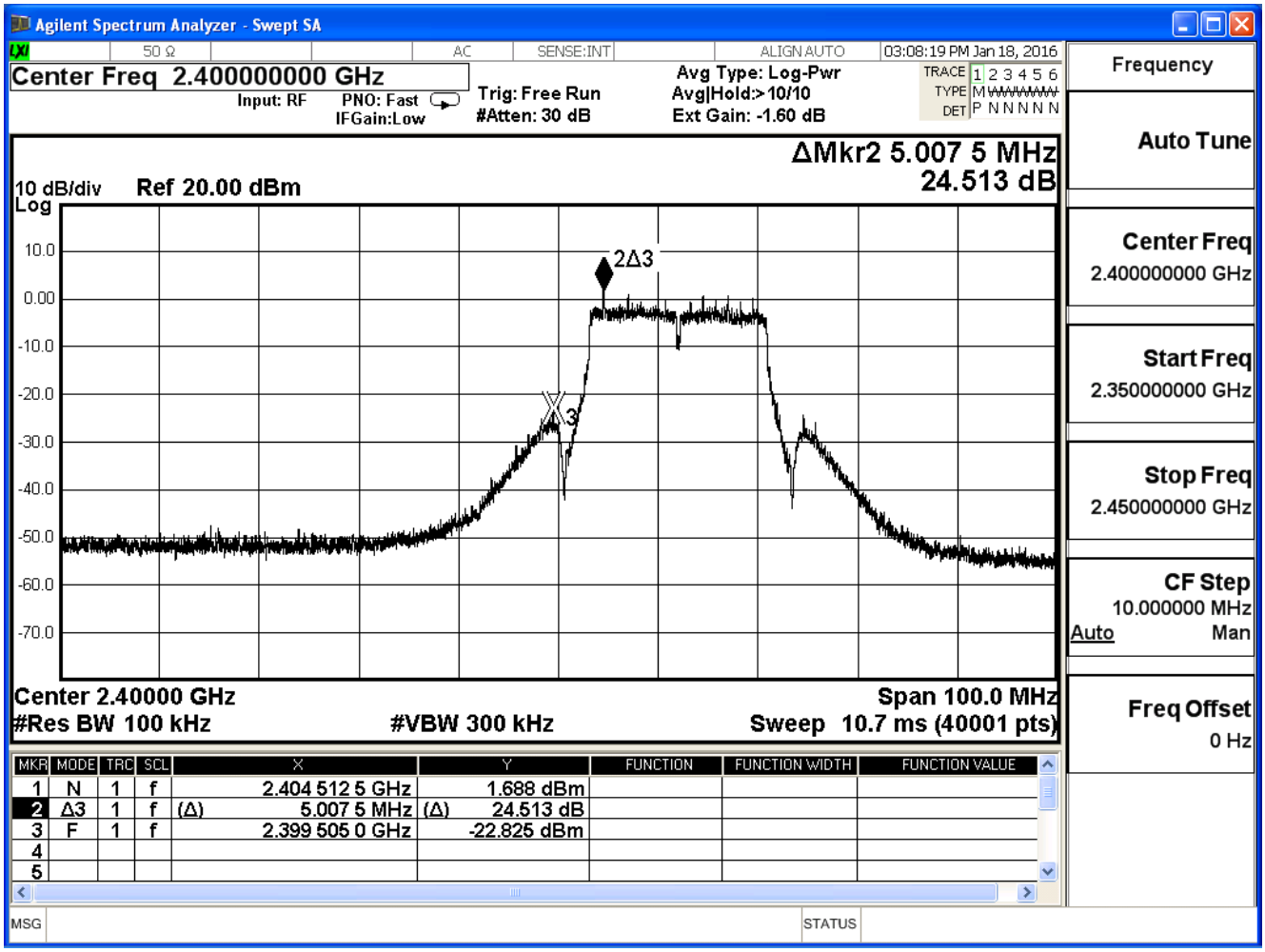
Channel 11 (2462MHz)



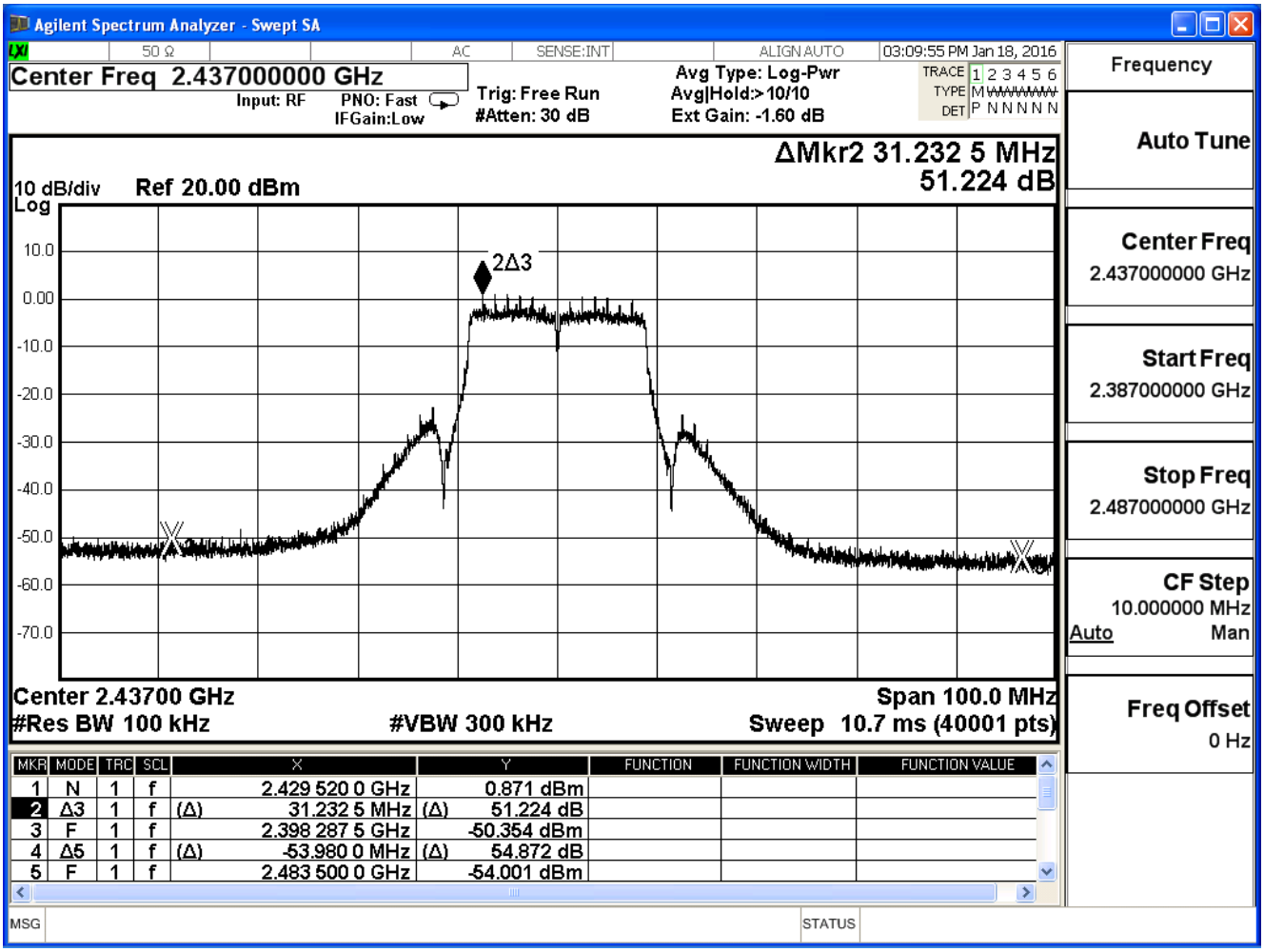
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/01/18	Test Site	SR7

IEEE 802.11n (20MHz), (ANT 2) , Antenna Gain: 2dBi Duty Cycle: 1				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	24.513	≧20	Pass
6	2437	51.224	≧20	Pass
11	2462	48.497	≧20	Pass

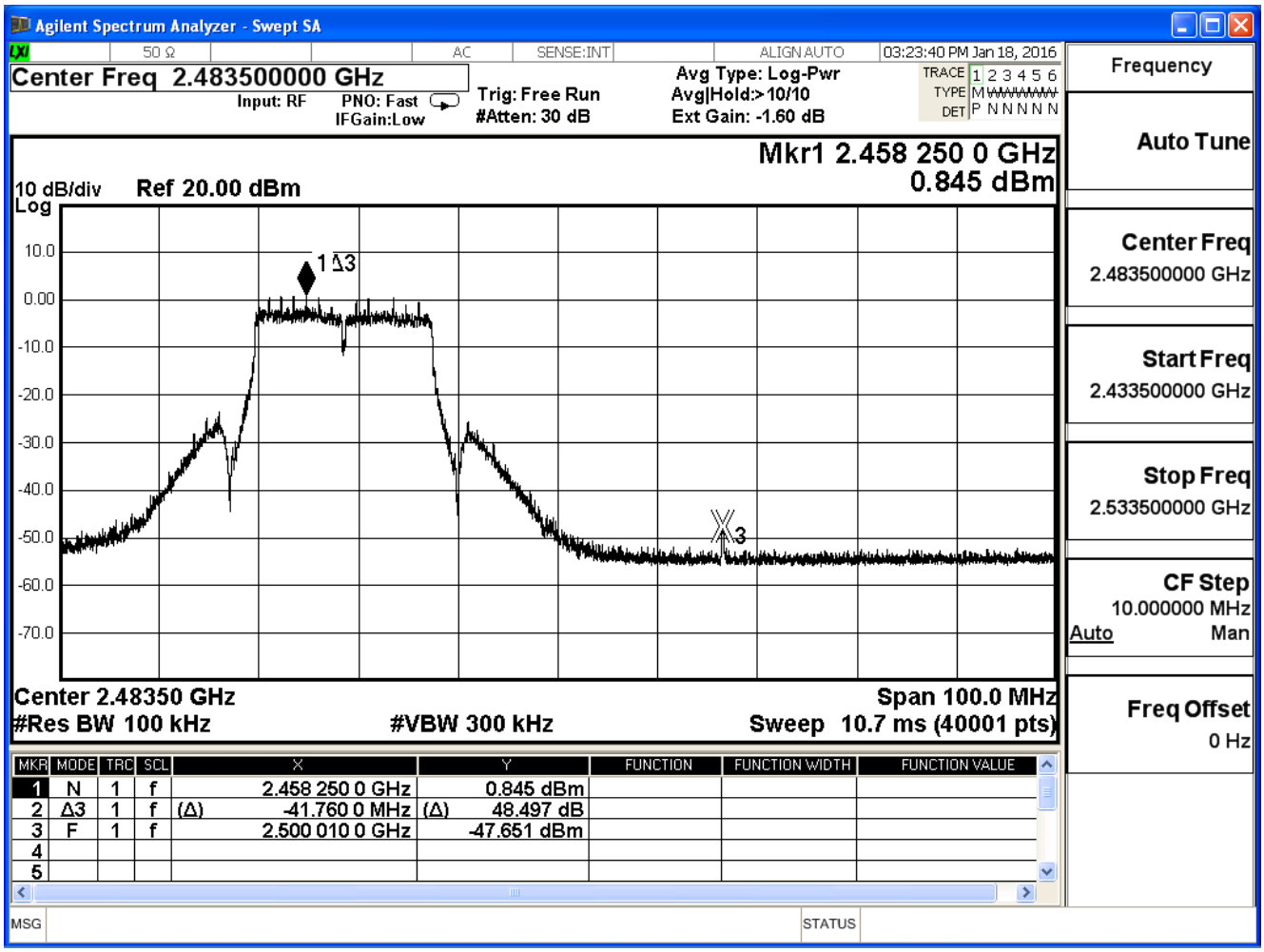
Channel 1 (2412MHz)



Channel 06 (2437MHz)



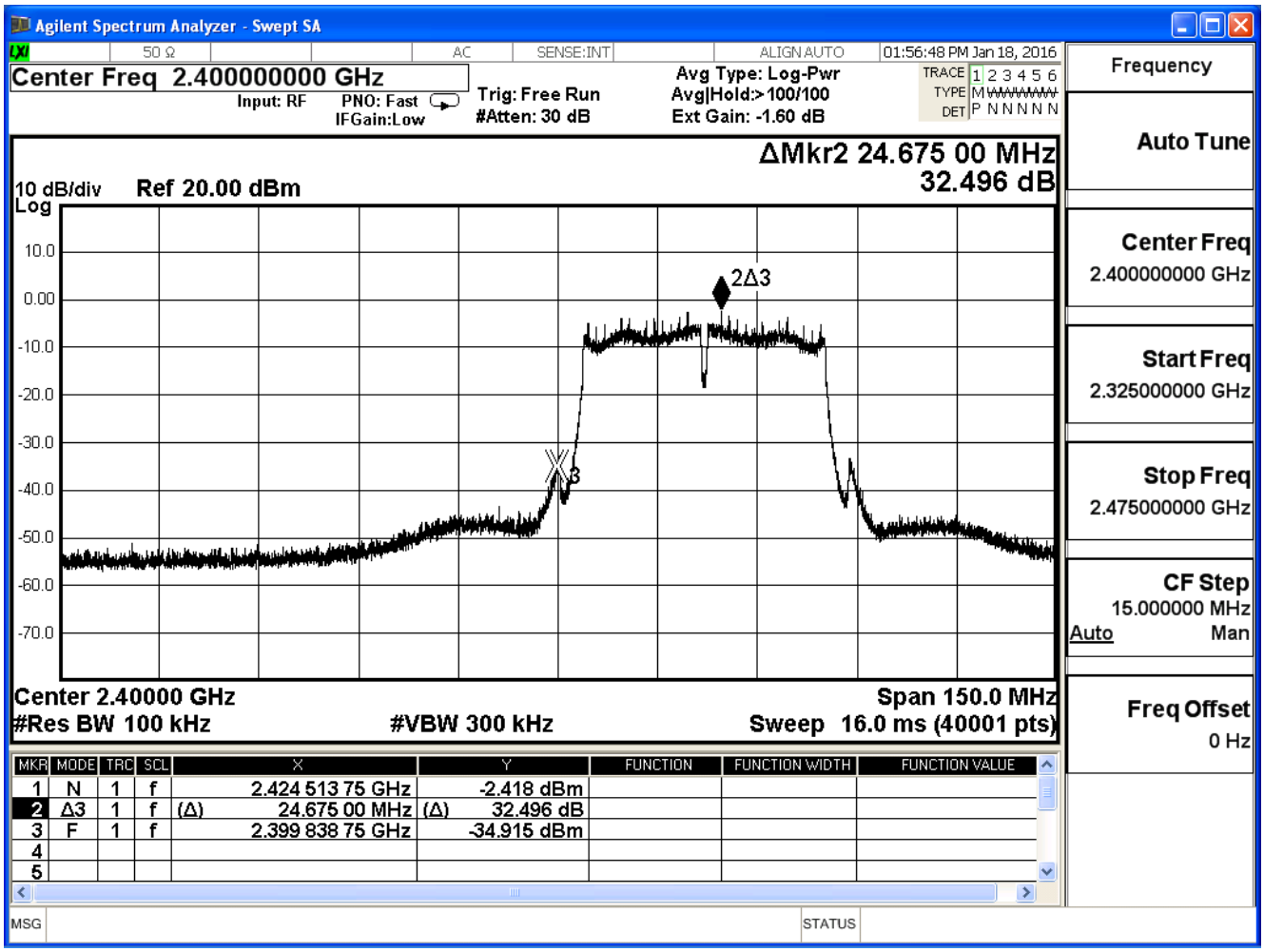
Channel 11 (2462MHz)



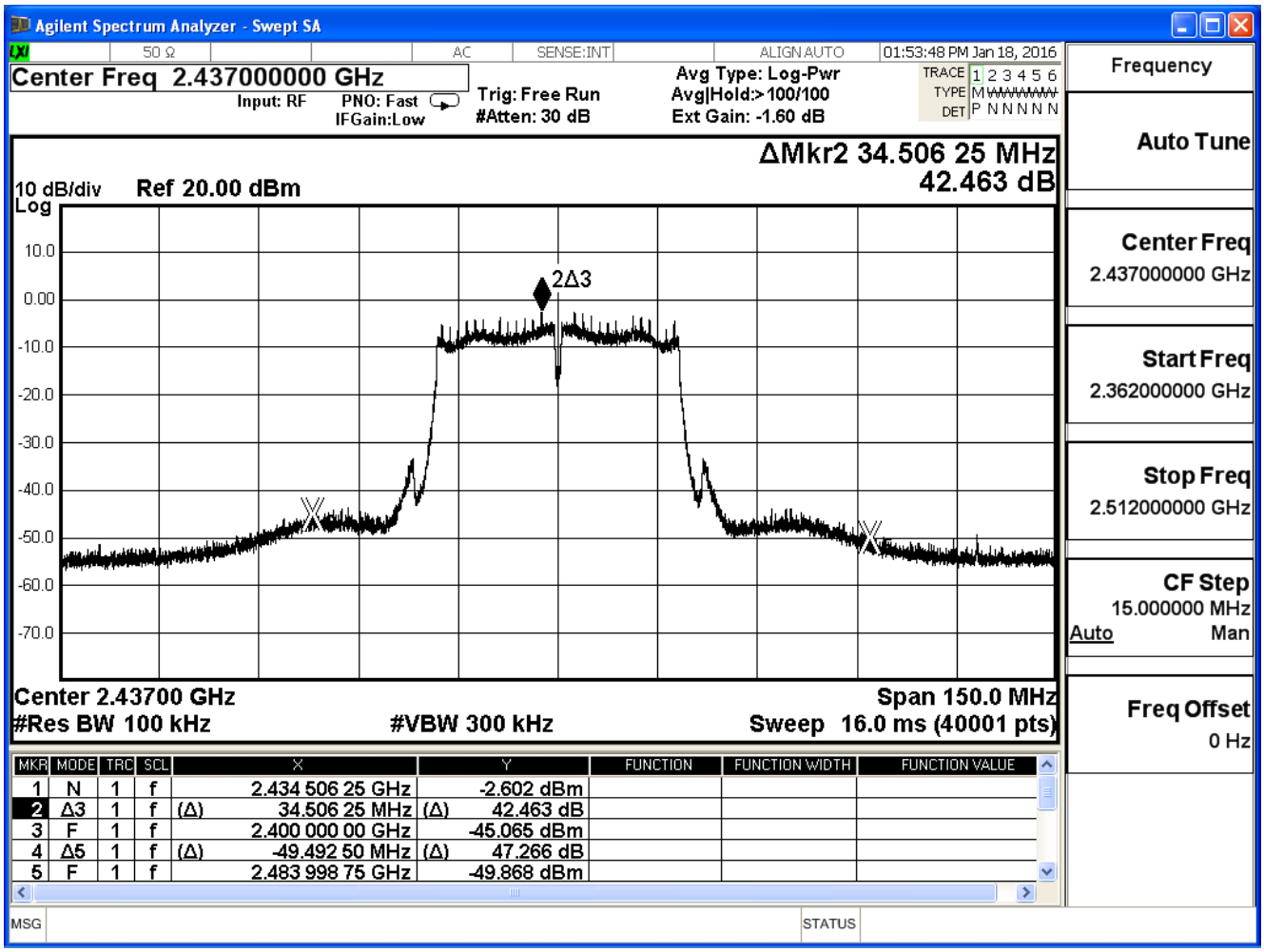
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/01/18	Test Site	SR7

IEEE 802.11n (40MHz), (ANT 0) , Antenna Gain: 2dBi Duty Cycle: 1				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	32.496	≧20	Pass
6	2437	42.463	≧20	Pass
9	2452	43.103	≧20	Pass

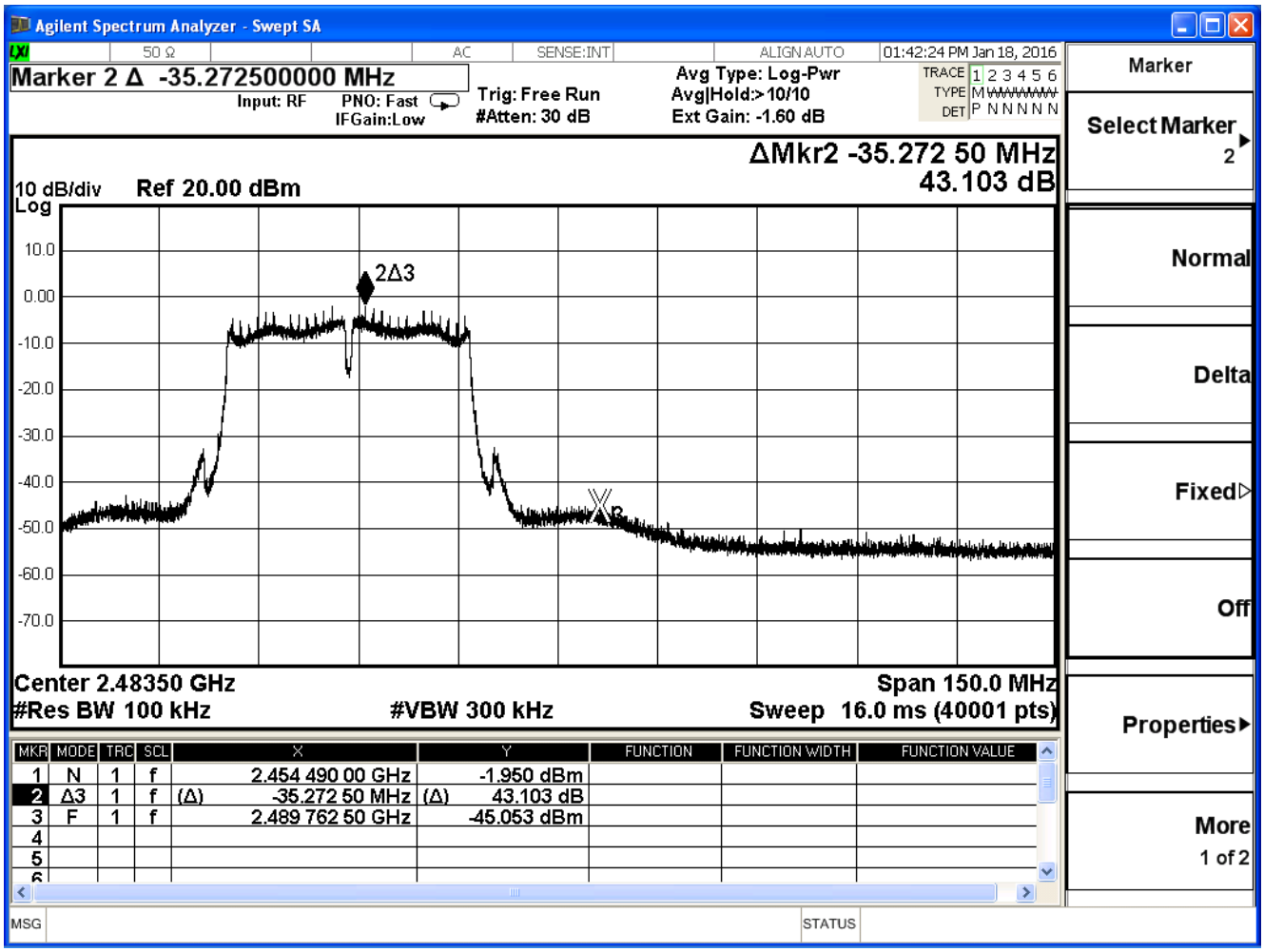
Channel 3 (2422MHz)



Channel 6 (2437MHz)



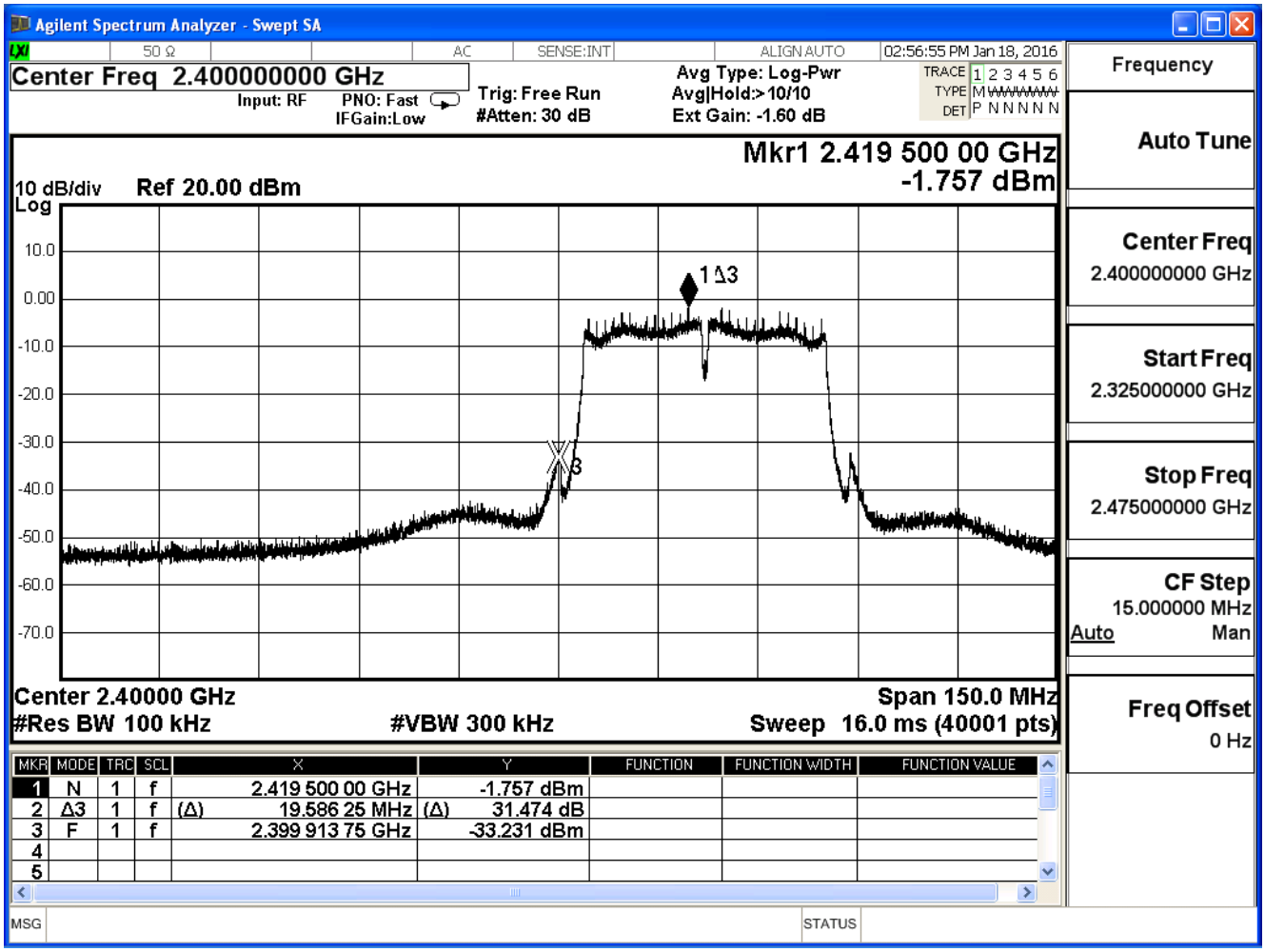
Channel 9 (2452MHz)



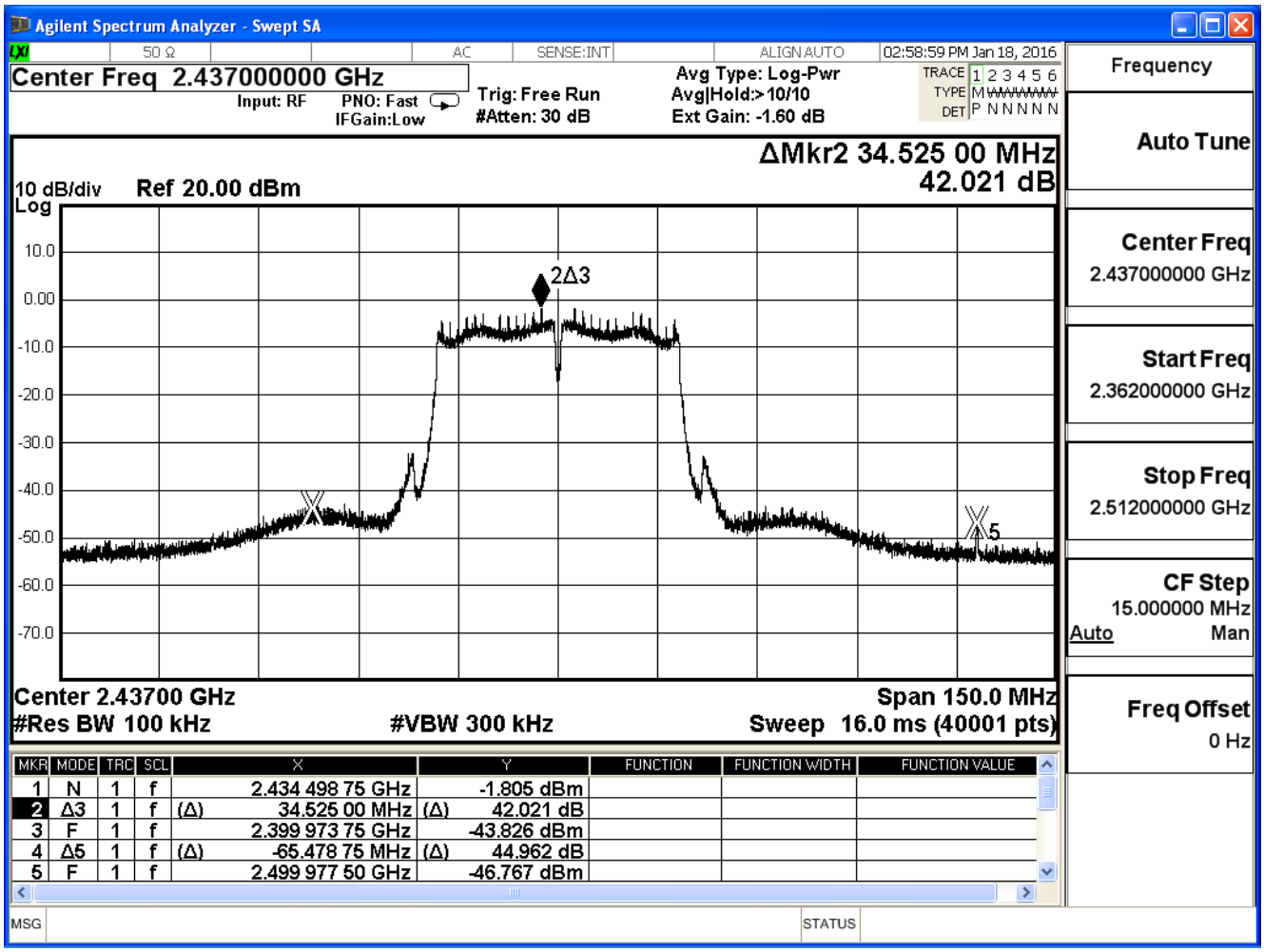
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/01/18	Test Site	SR7

IEEE 802.11n (40MHz), (ANT 1), Antenna Gain: 2dBi Duty Cycle: 1				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	31.474	≧20	Pass
6	2437	42.021	≧20	Pass
9	2452	42.272	≧20	Pass

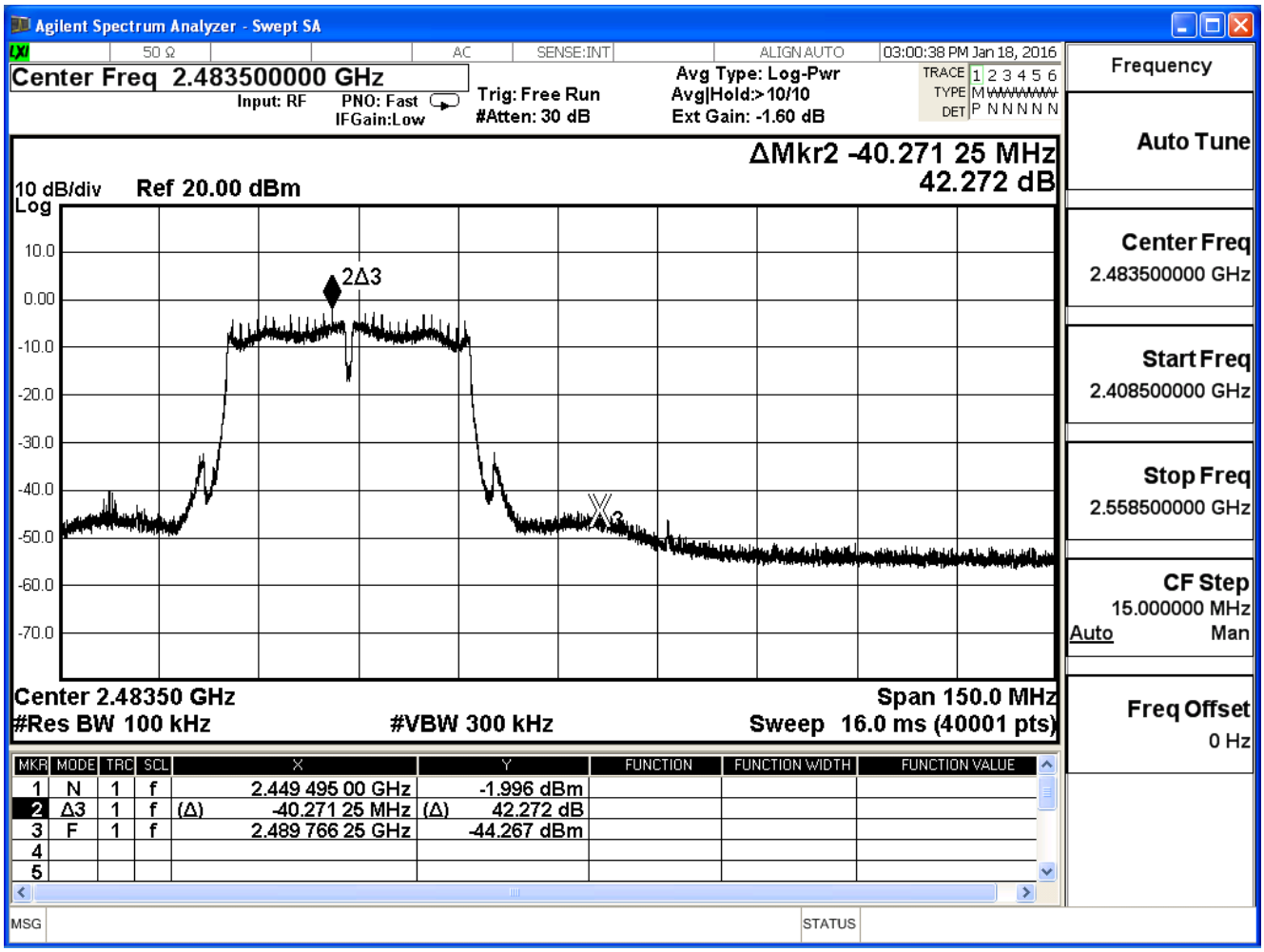
Channel 3 (2422MHz)



Channel 6 (2437MHz)



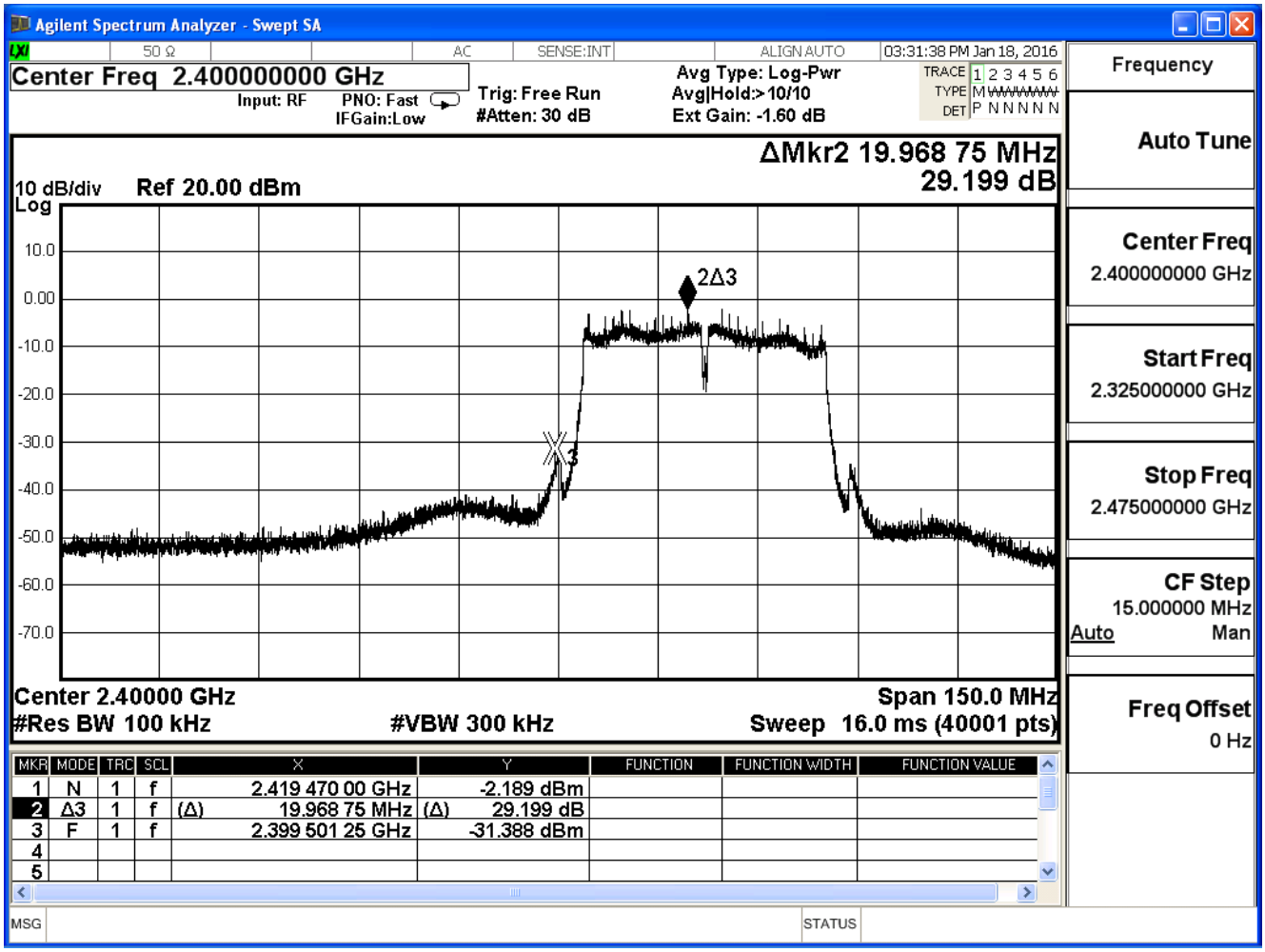
Channel 9 (2452MHz)



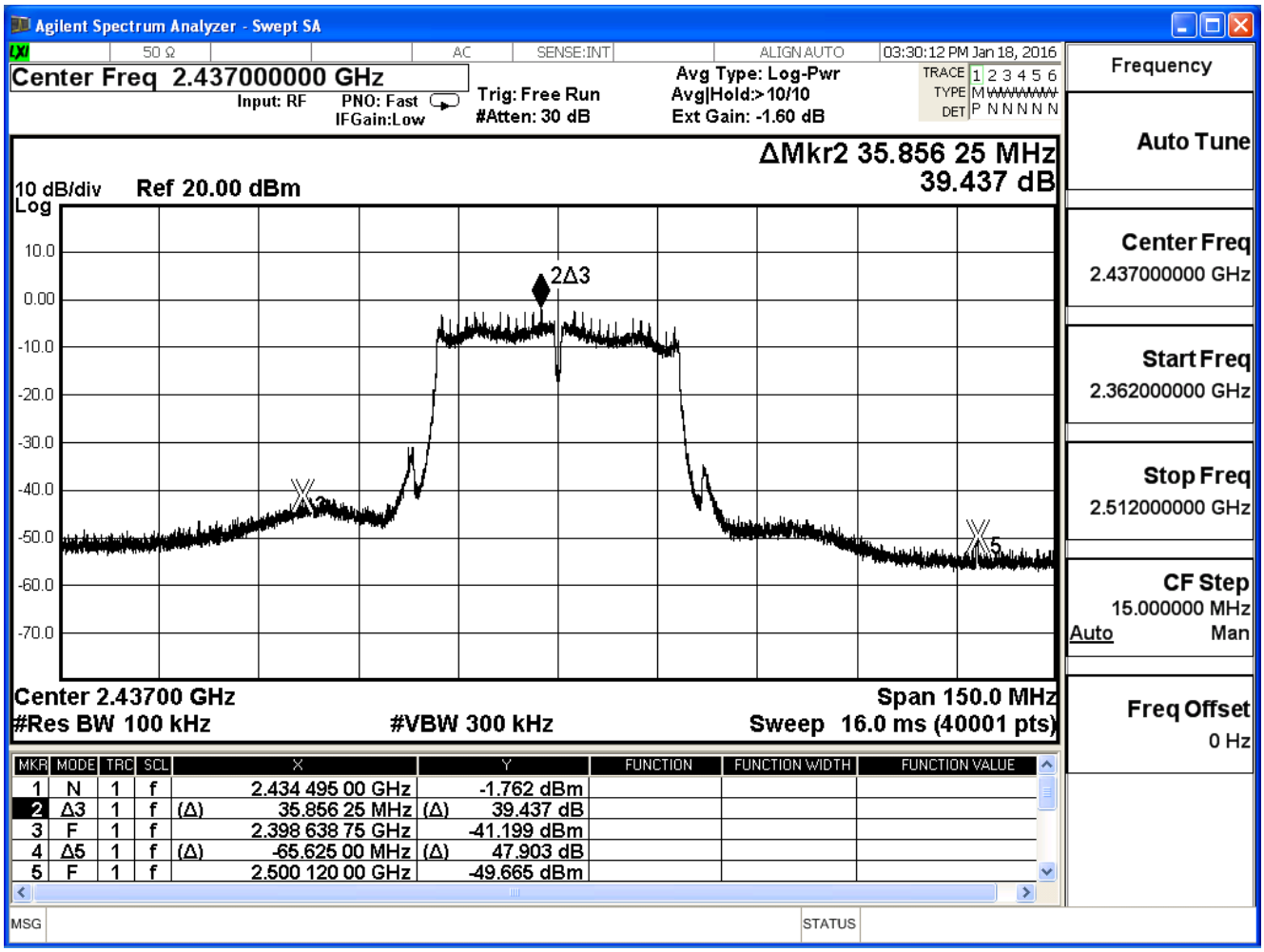
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/01/18	Test Site	SR7

IEEE 802.11n (40MHz), (ANT 2) , Antenna Gain: 2dBi Duty Cycle: 1				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	29.199	≧20	Pass
6	2437	39.437	≧20	Pass
9	2452	45.144	≧20	Pass

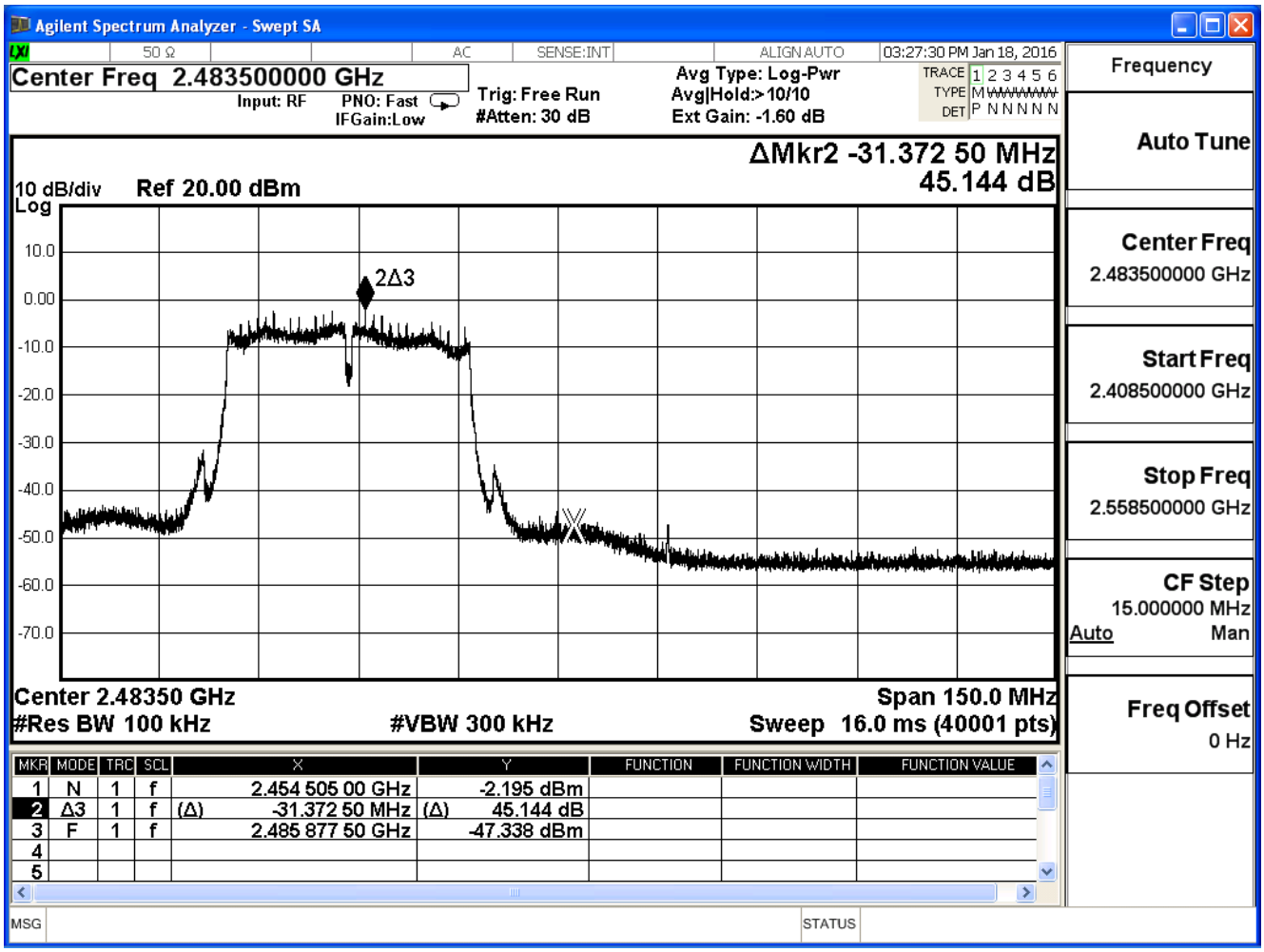
Channel 3 (2422MHz)



Channel 6 (2437MHz)

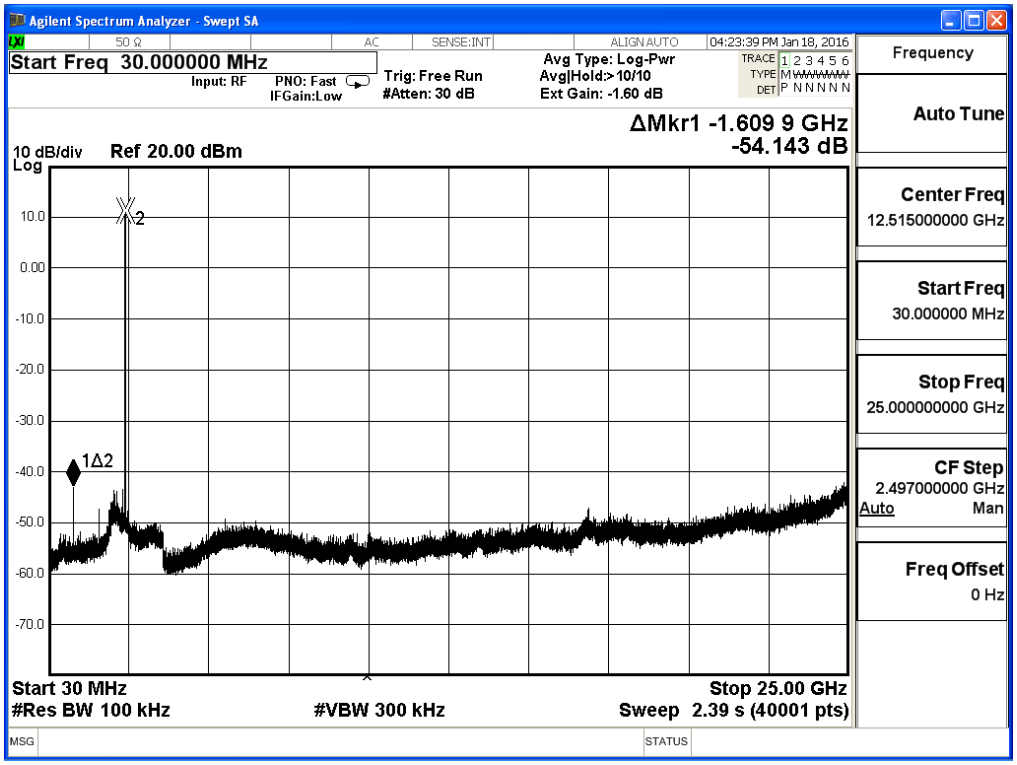


Channel 9 (2452MHz)

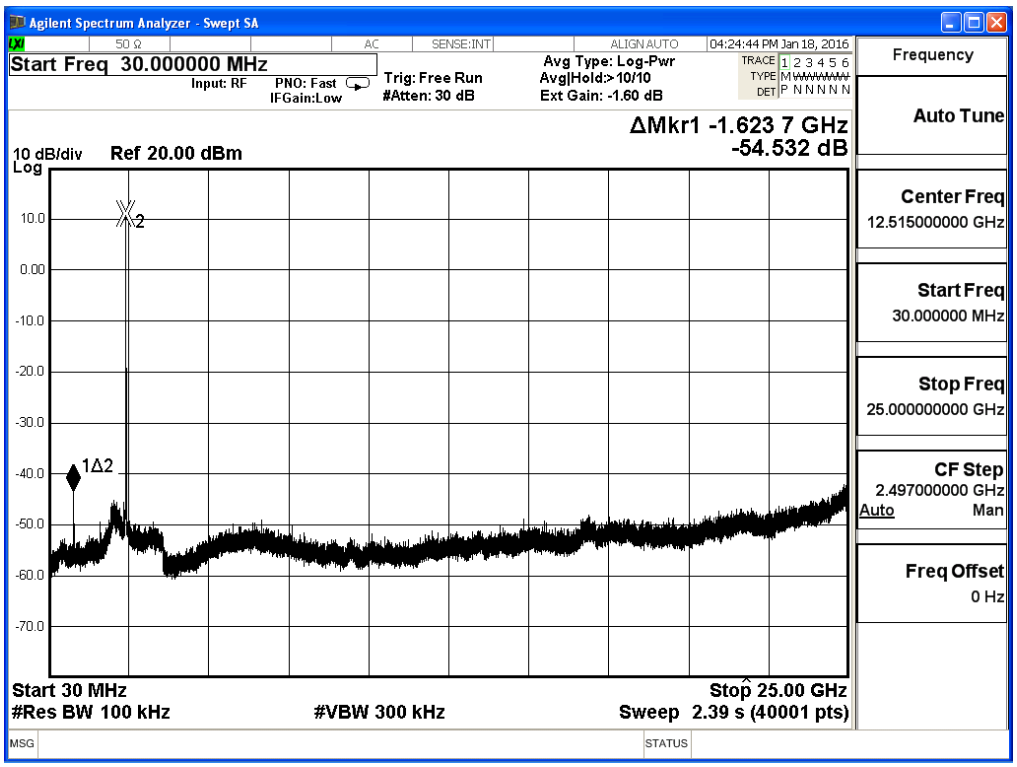


Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/01/18	Test Site	SR7

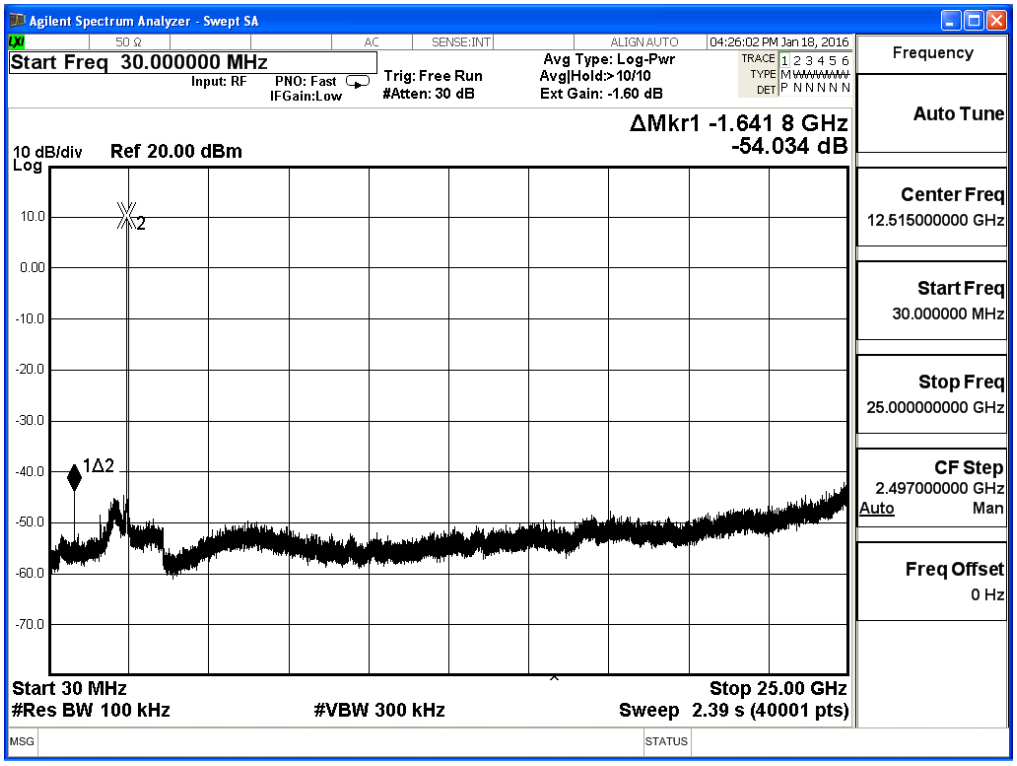
2412MHz (30MHz-25GHz)-802.11b



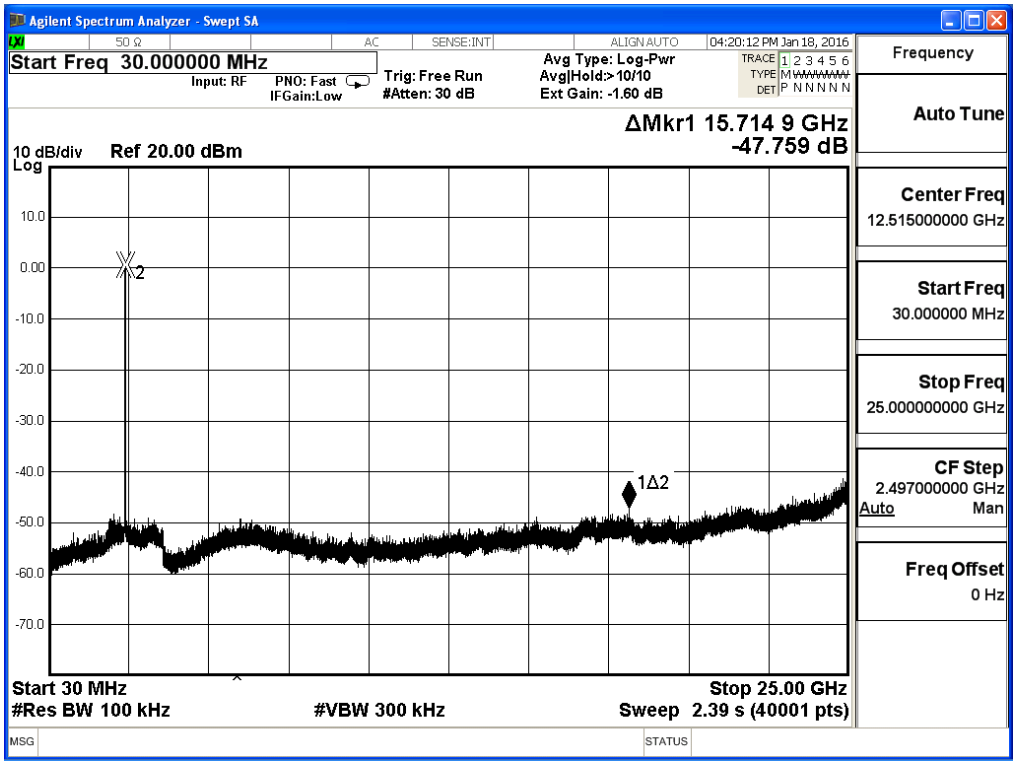
2437MHz (30MHz-25GHz)-802.11b



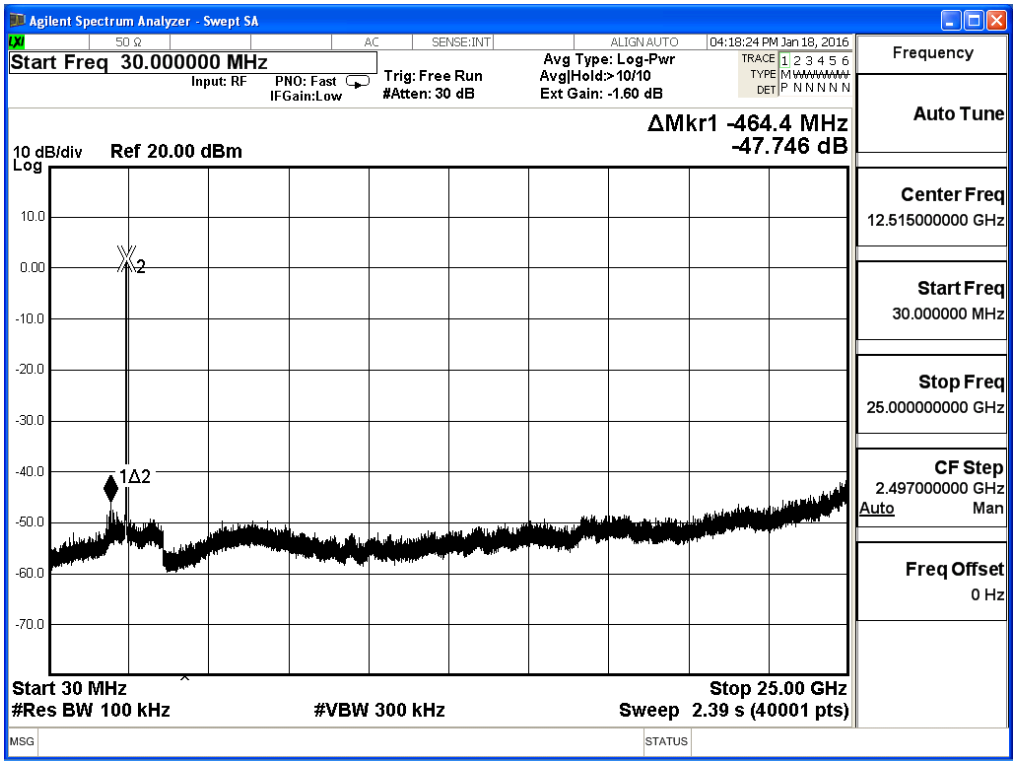
2462MHz (30MHz-25GHz) -802.11b



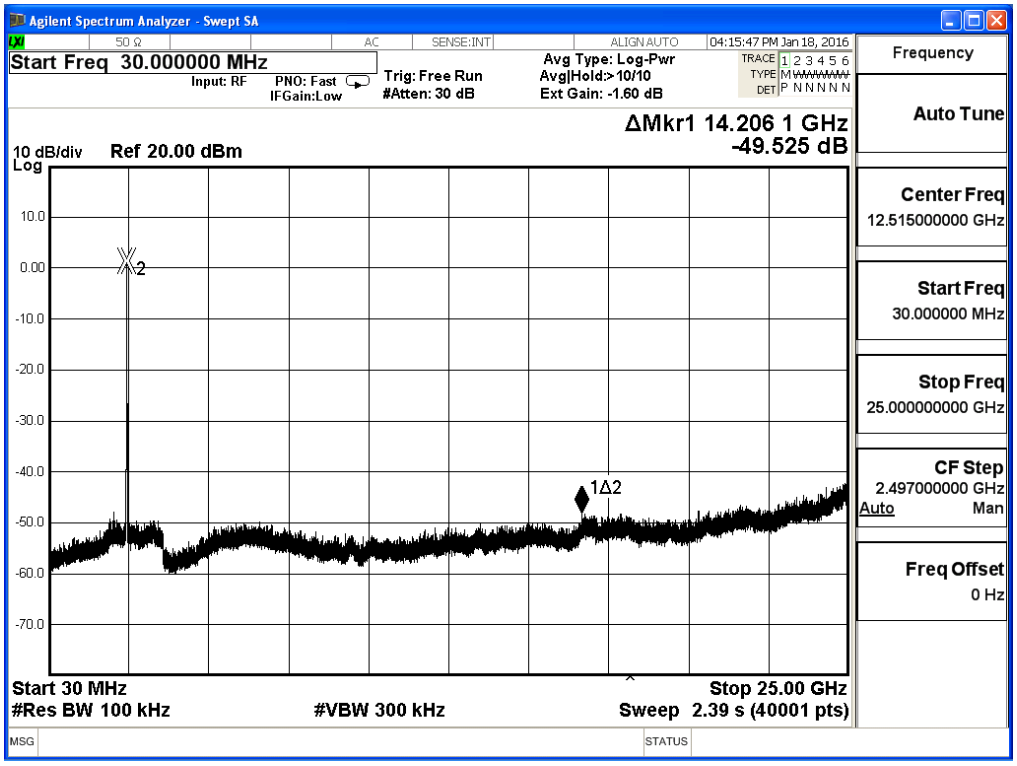
2412MHz (30MHz-25GHz)-802.11g



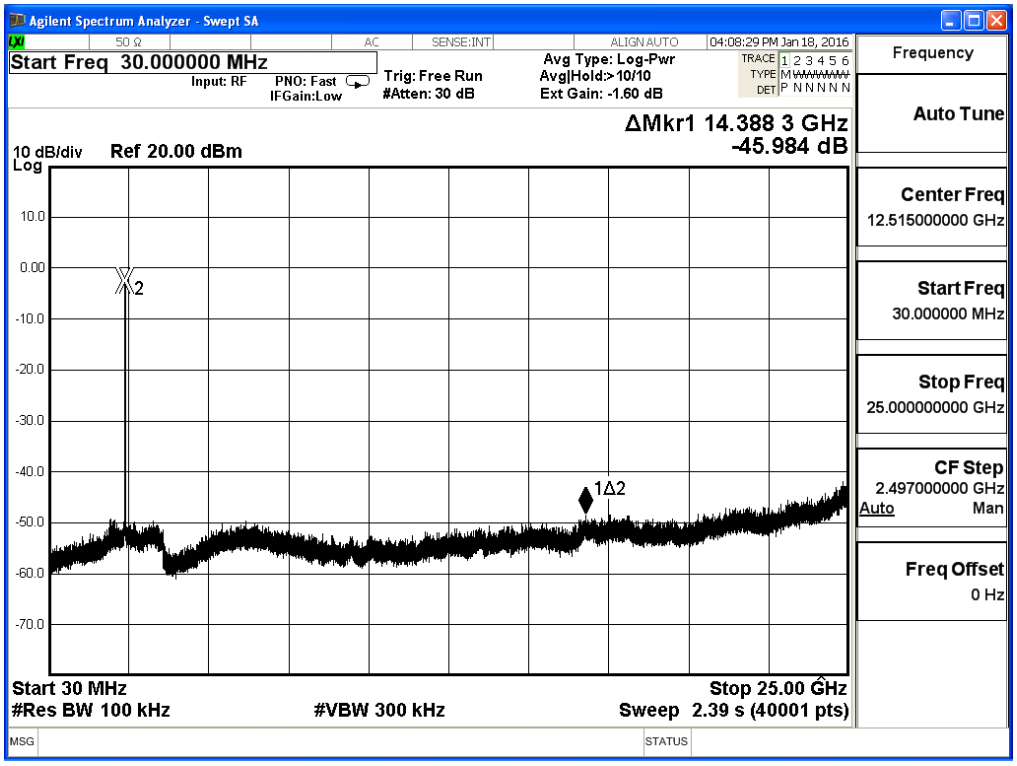
2437MHz (30MHz-25GHz)-802.11g



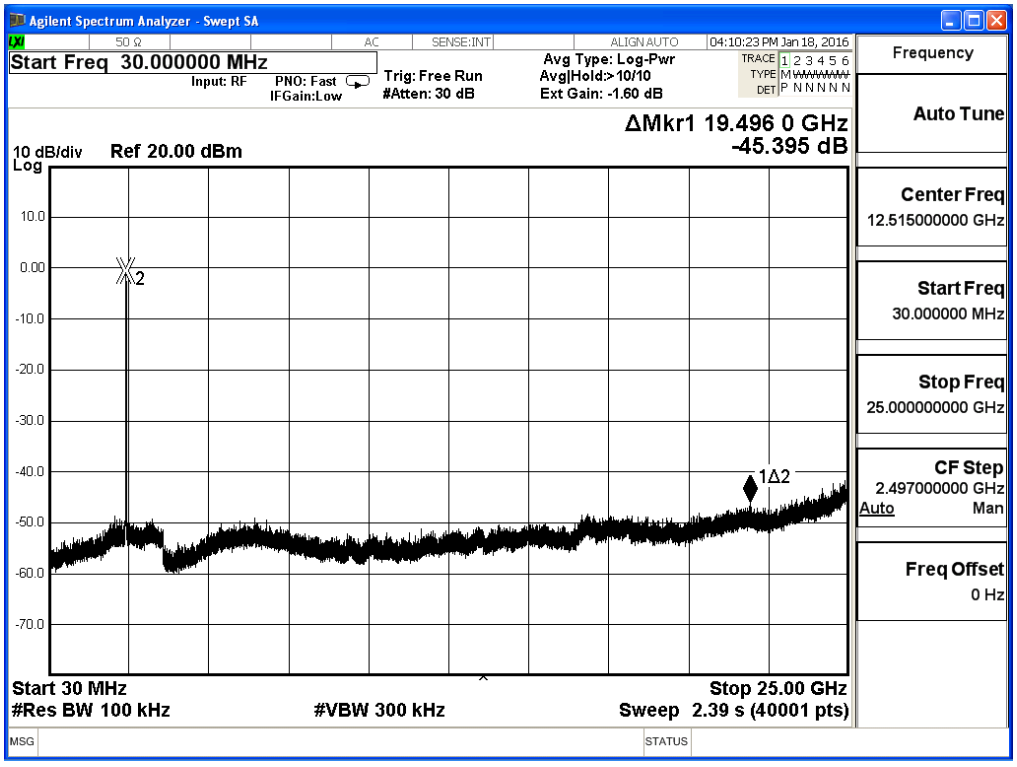
2462MHz (30MHz-25GHz) -802.11g



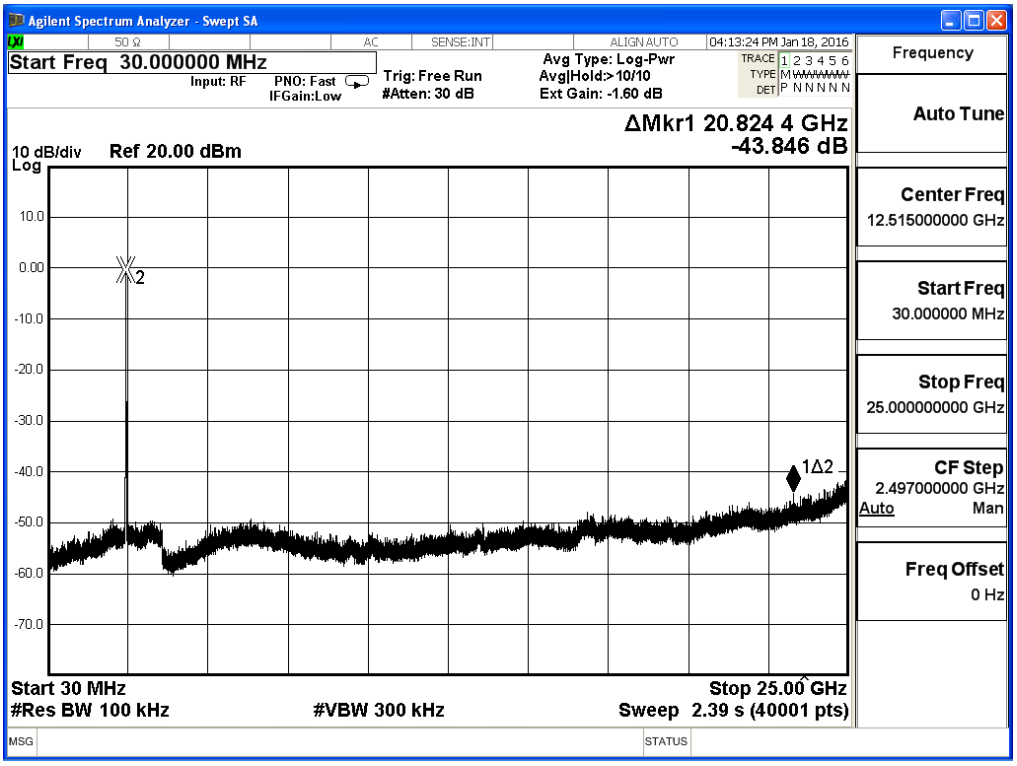
2412MHz (30MHz-25GHz)-802.11n(20MHz)-ANT 0



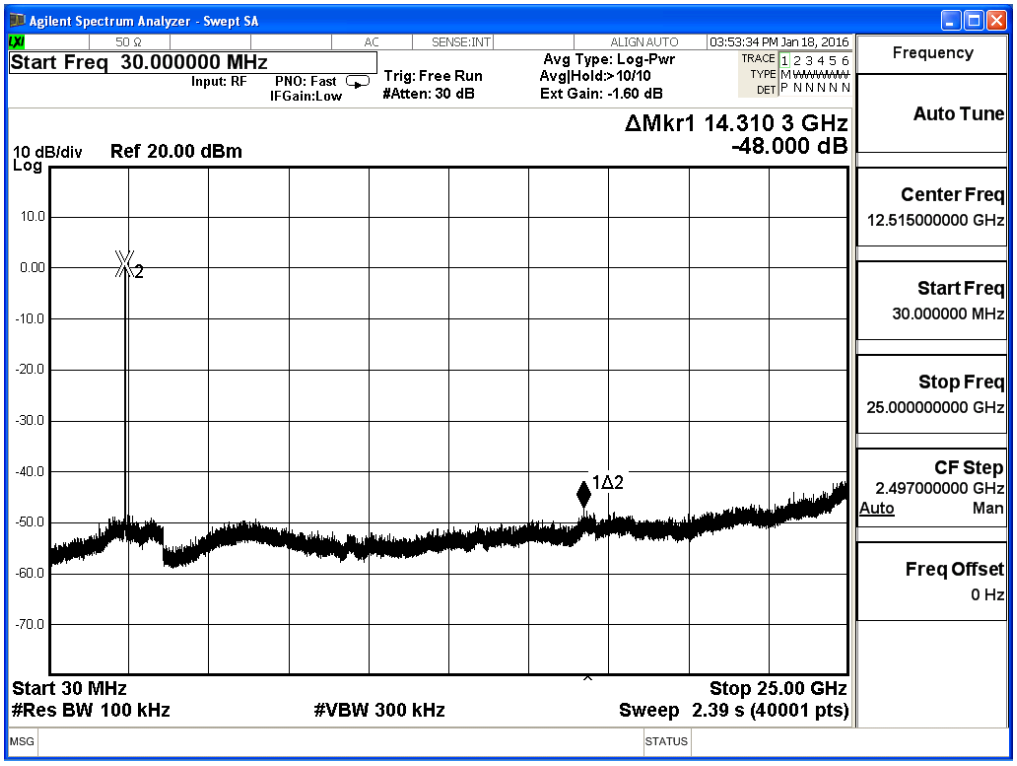
2437MHz (30MHz-25GHz)- 802.11n(20MHz)-ANT 0



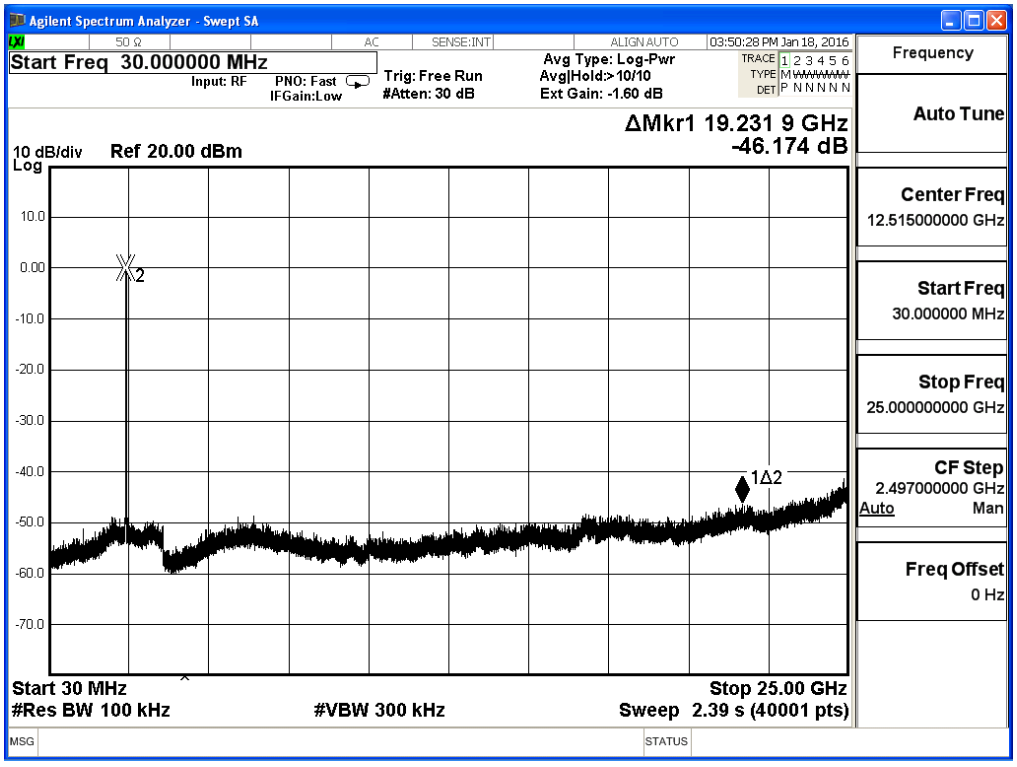
2462MHz (30MHz-25GHz) -802.11n(20MHz)-ANT 0



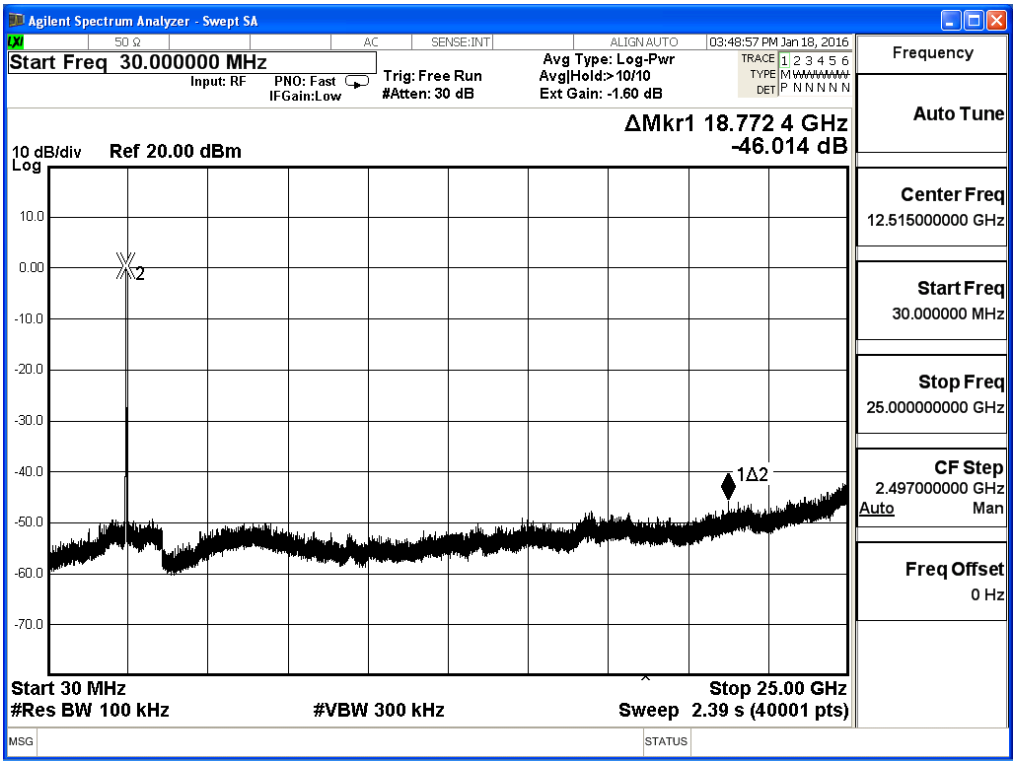
2412MHz (30MHz-25GHz)-802.11n(20MHz)-ANT 1



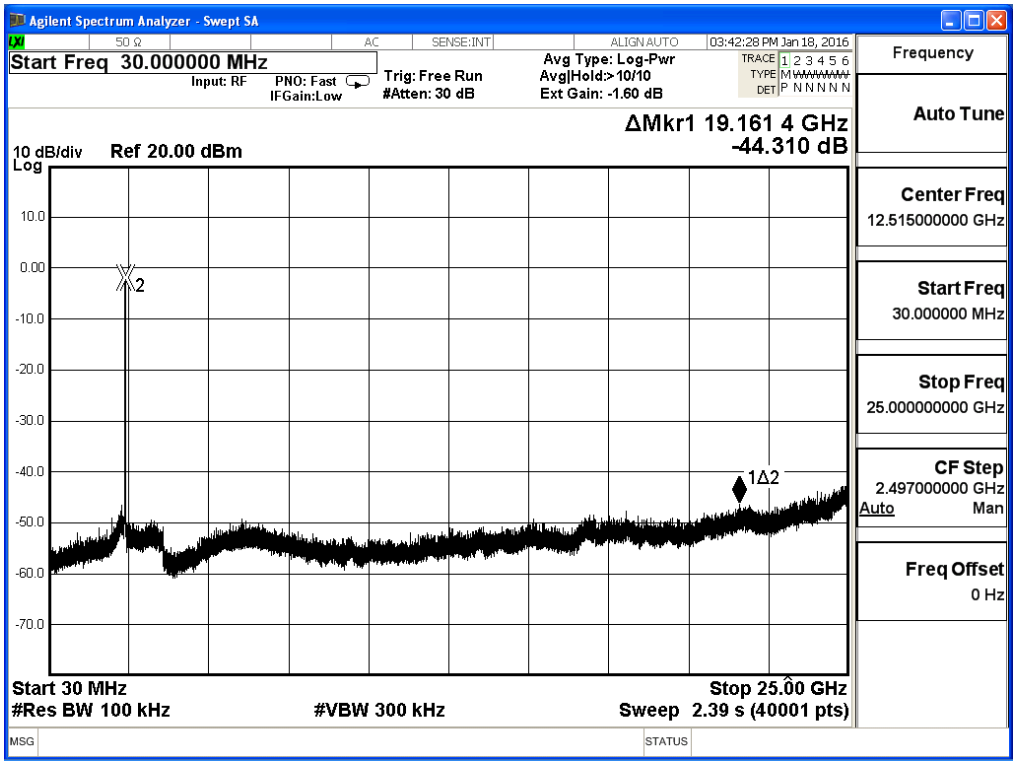
2437MHz (30MHz-25GHz)- 802.11n(20MHz)-ANT 1



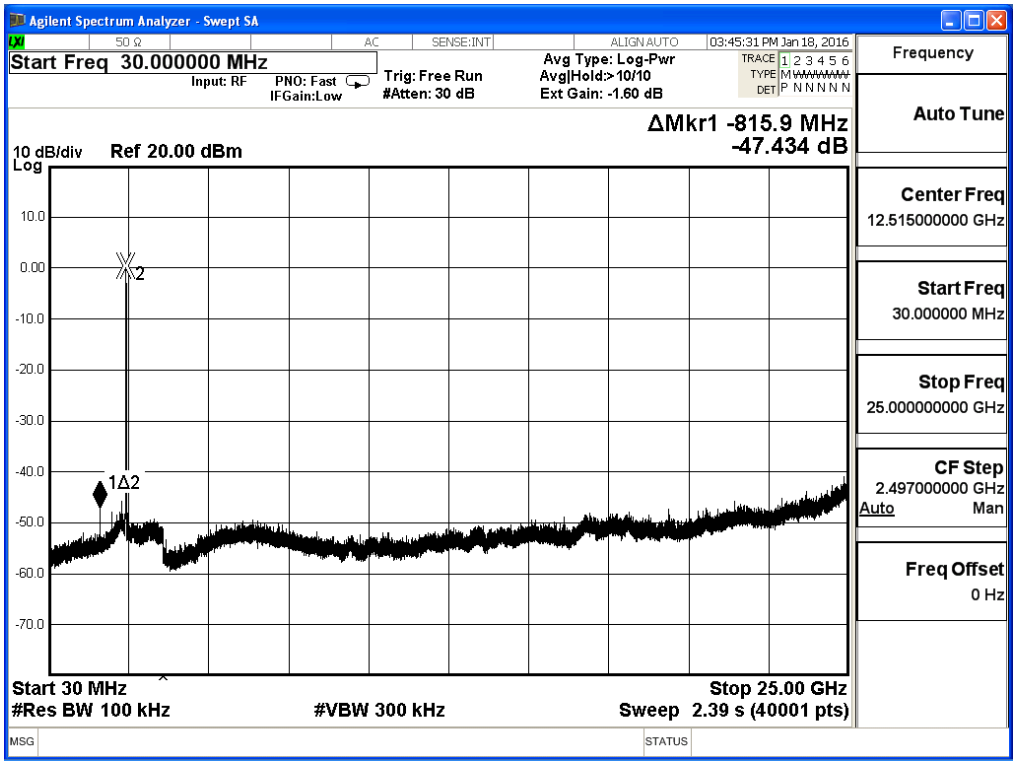
2462MHz (30MHz-25GHz) -802.11n(20MHz)-ANT 1



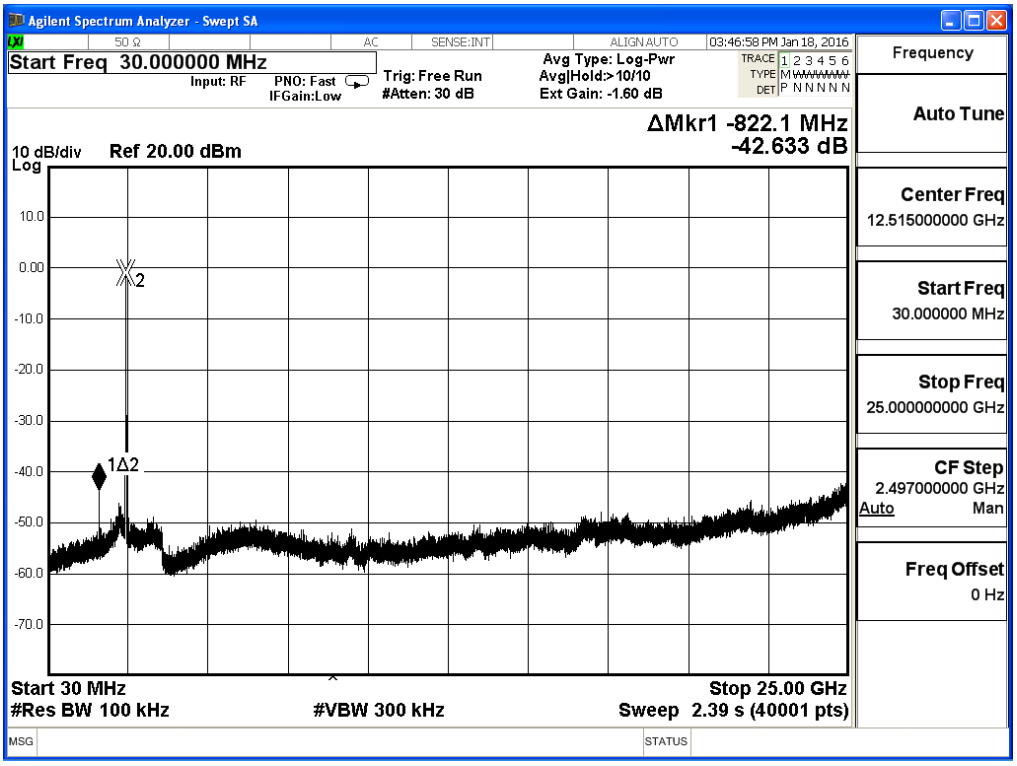
2412MHz (30MHz-25GHz)-802.11n(20MHz)-ANT 2



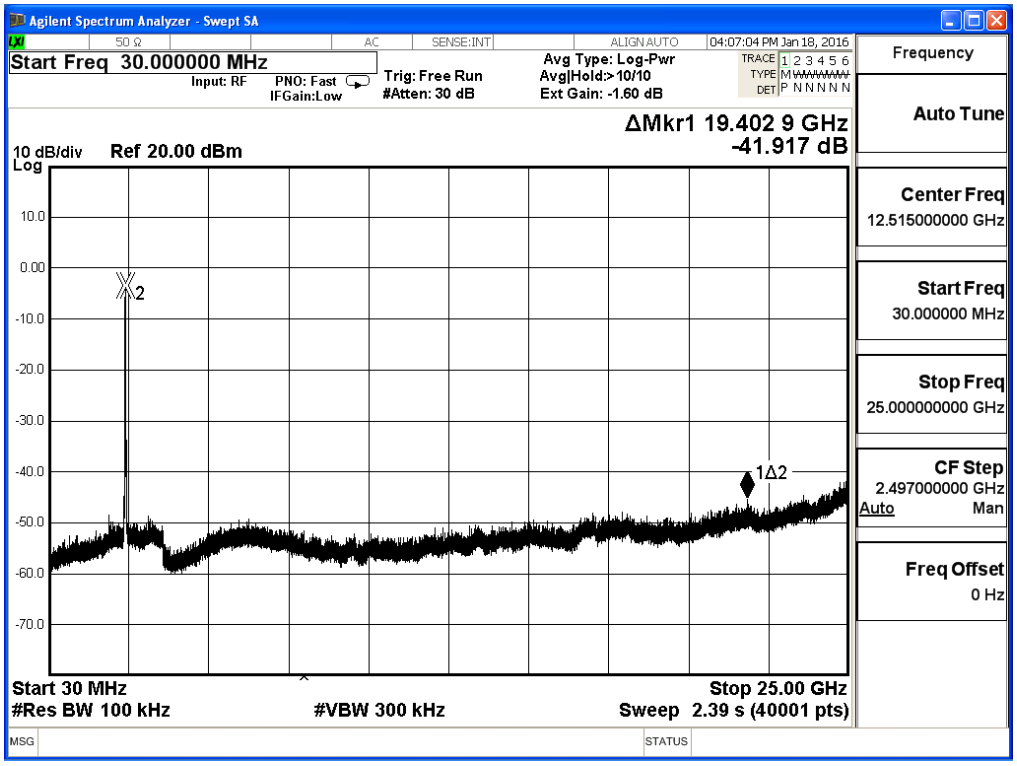
2437MHz (30MHz-25GHz)- 802.11n(20MHz)-ANT 2



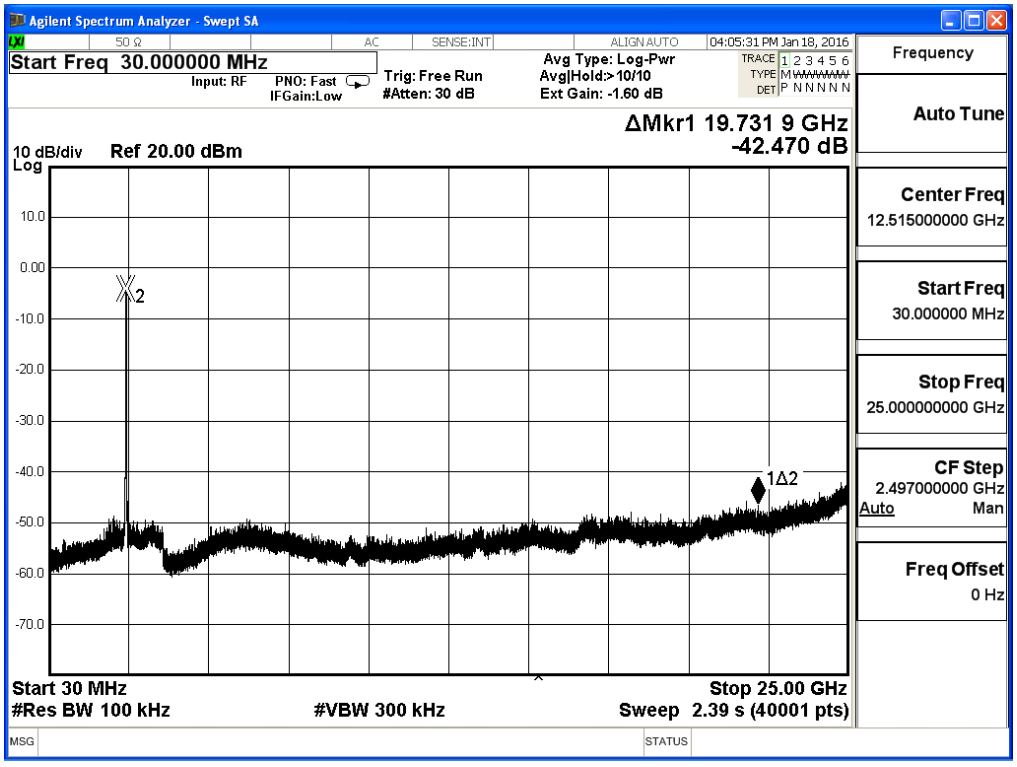
2462MHz (30MHz-25GHz) -802.11n(20MHz)-ANT 2



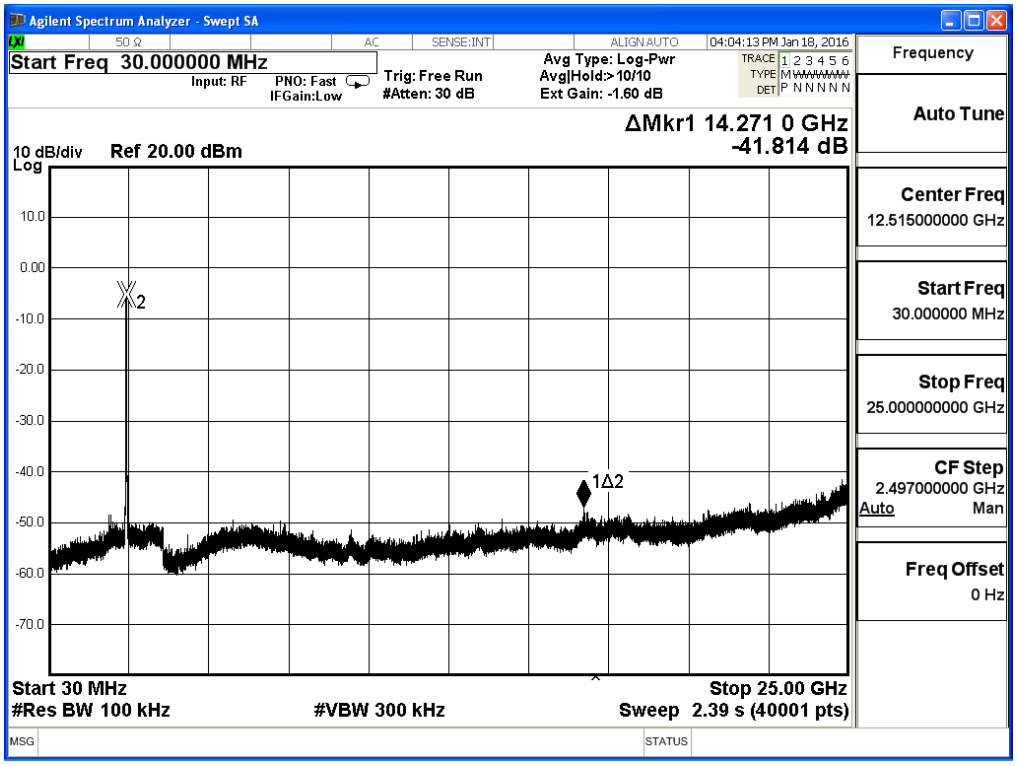
2422MHz (30MHz-25GHz) -802.11n(40MHz)-ANT 0



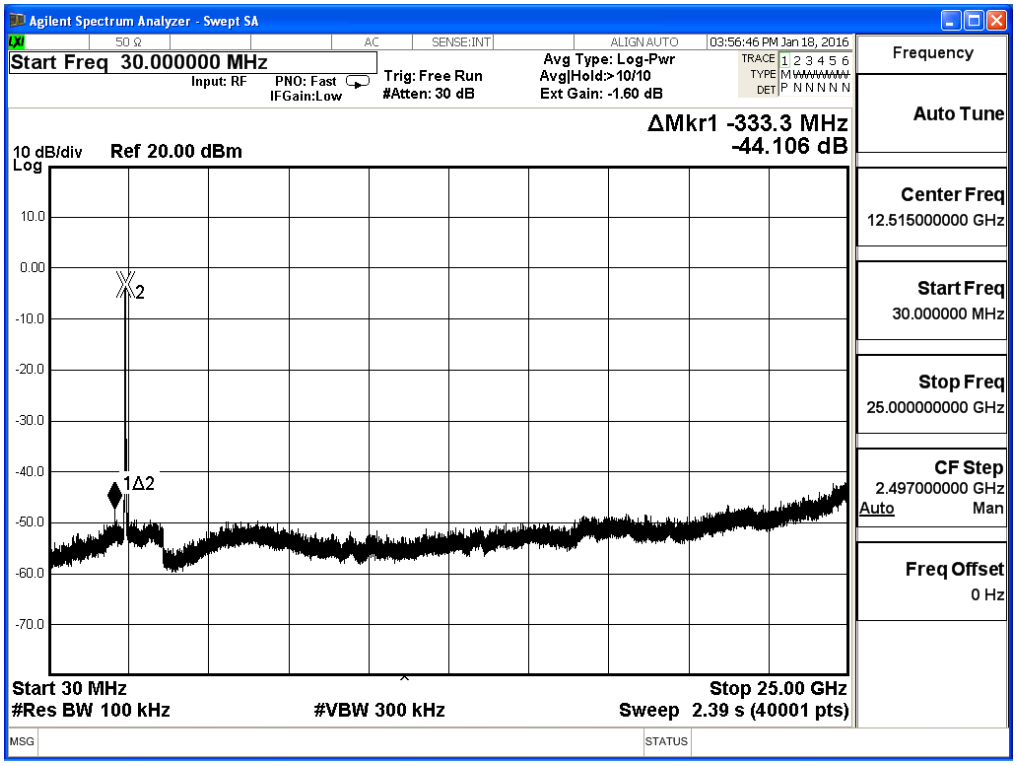
2437MHz (30MHz-25GHz) -802.11n(40MHz)-ANT 0



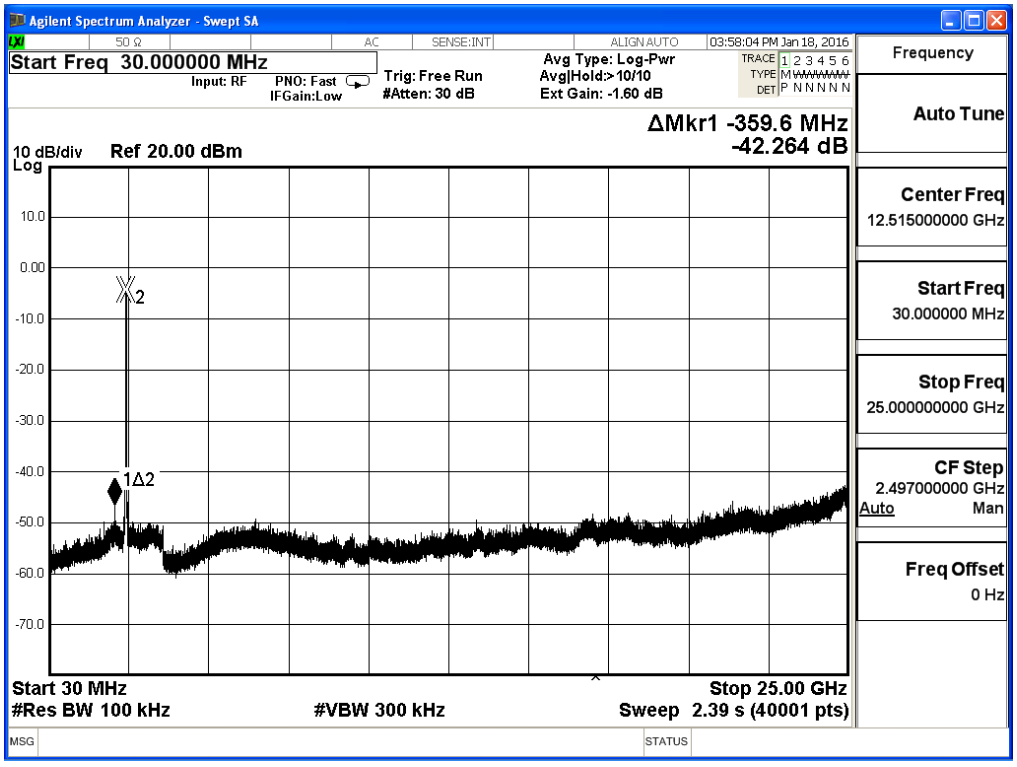
2452MHz (30MHz-25GHz) -802.11n(40MHz)-ANT 0



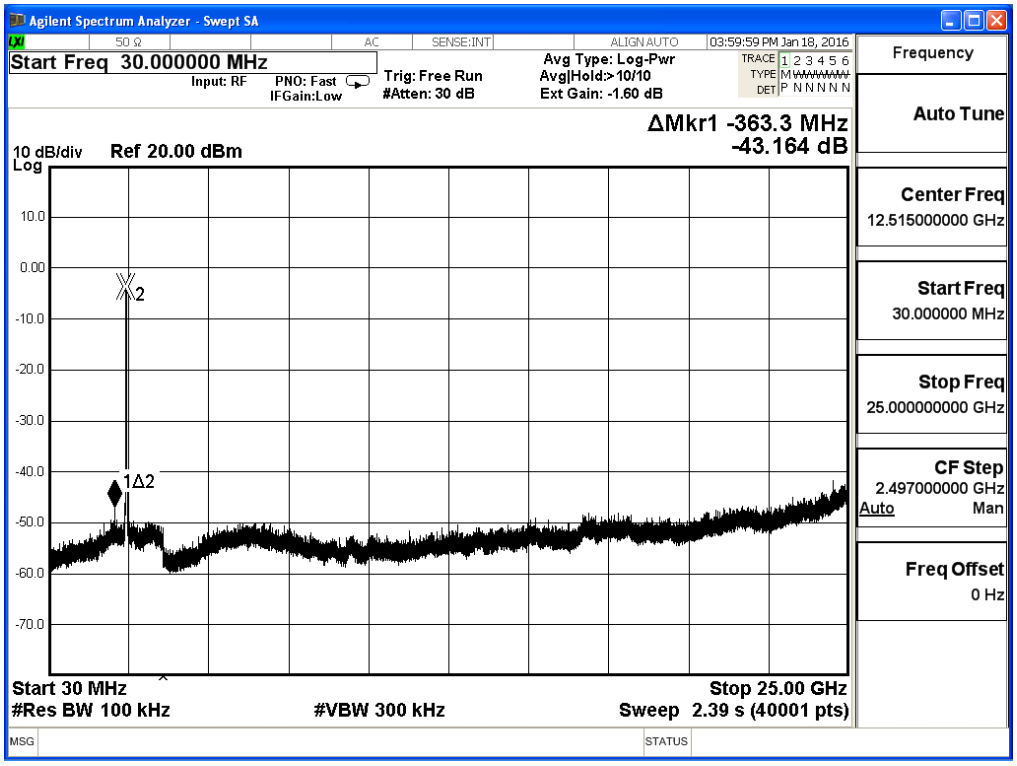
2422MHz (30MHz-25GHz) -802.11n(40MHz)-ANT 1



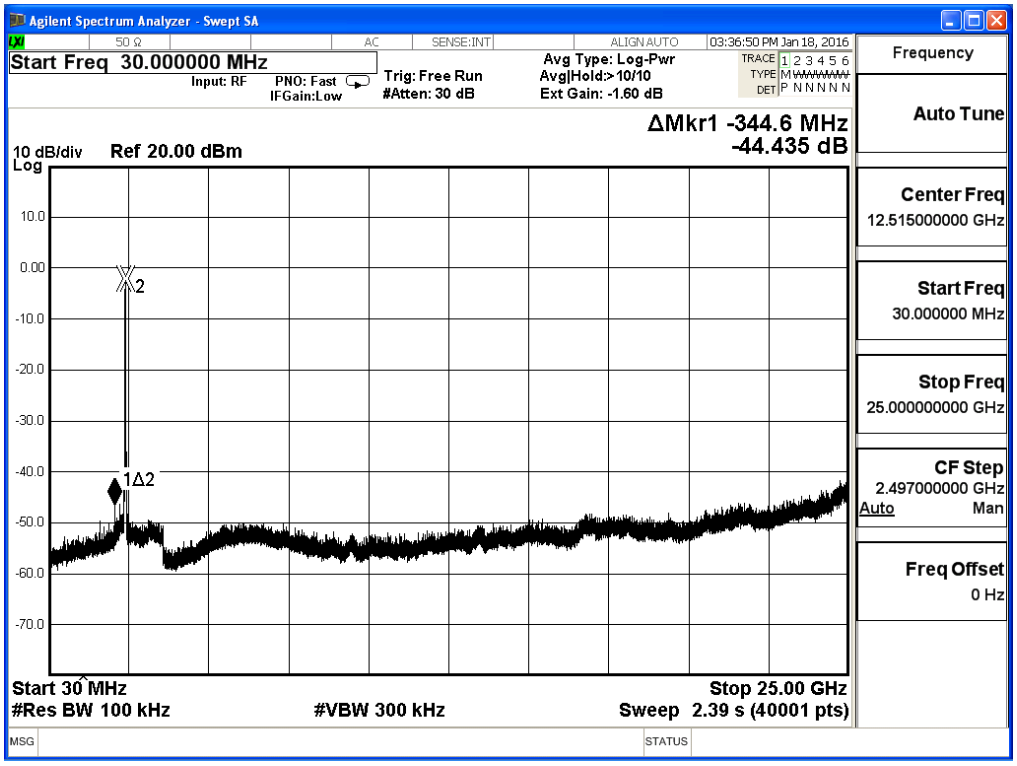
2437MHz (30MHz-25GHz) -802.11n(40MHz)-ANT 1



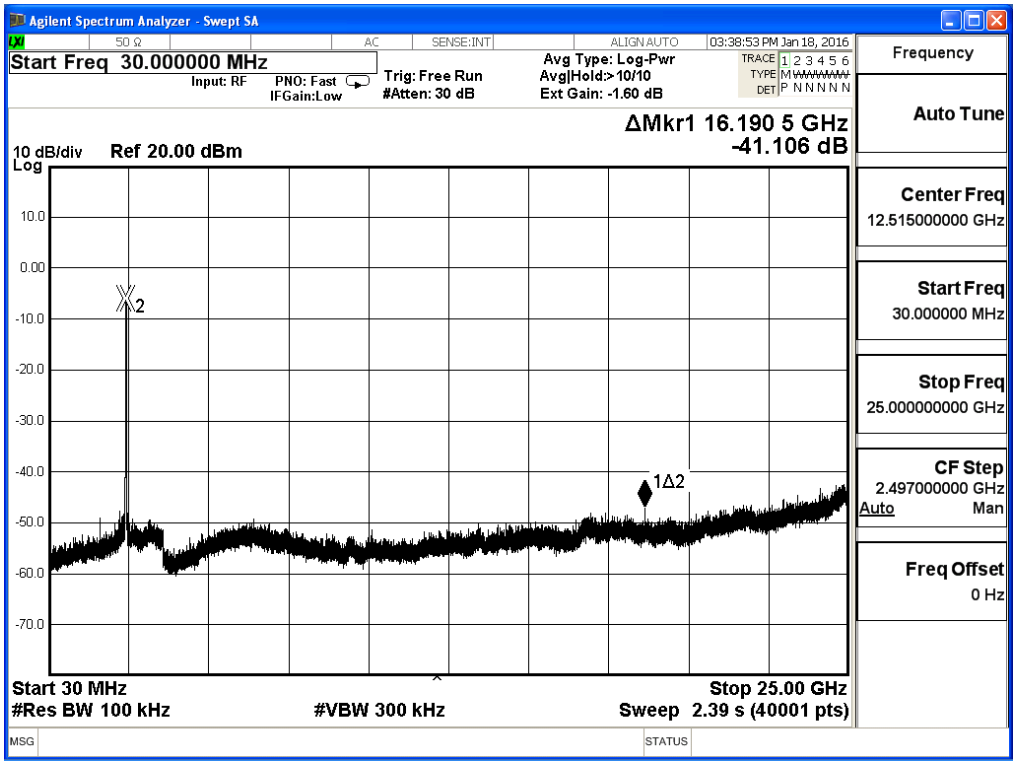
2452MHz (30MHz-25GHz) -802.11n(40MHz)-ANT 1



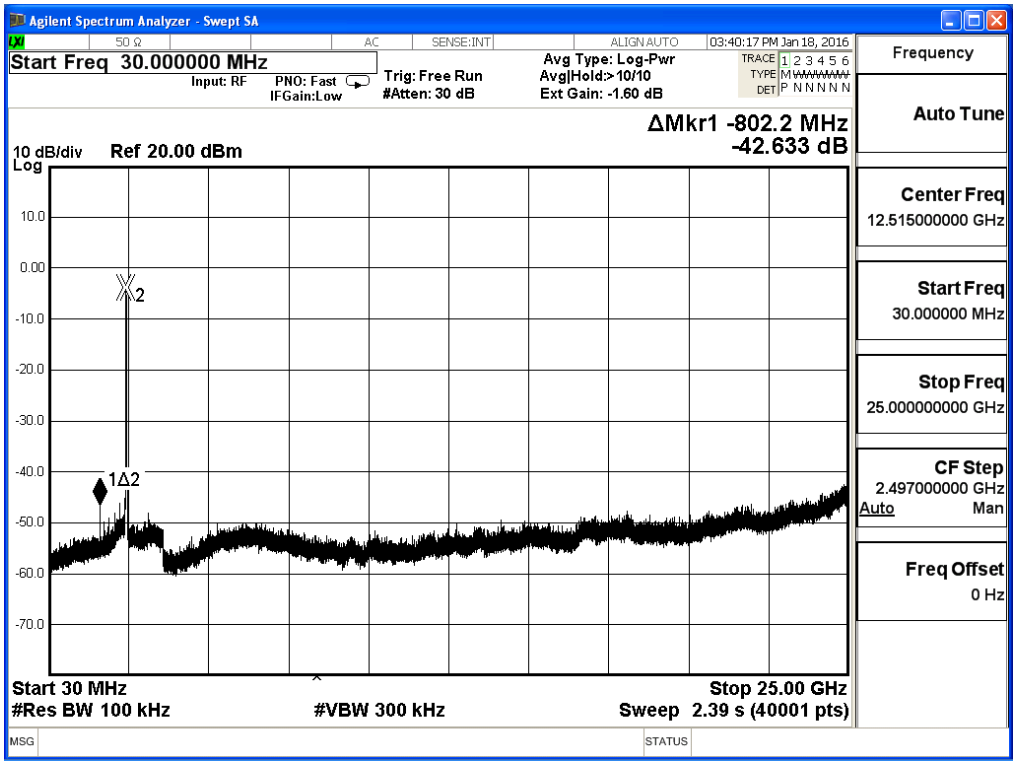
2422MHz (30MHz-25GHz) -802.11n(40MHz)-ANT 2



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



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



6. Radiated Emission Band Edge

6.1. Test Equipment

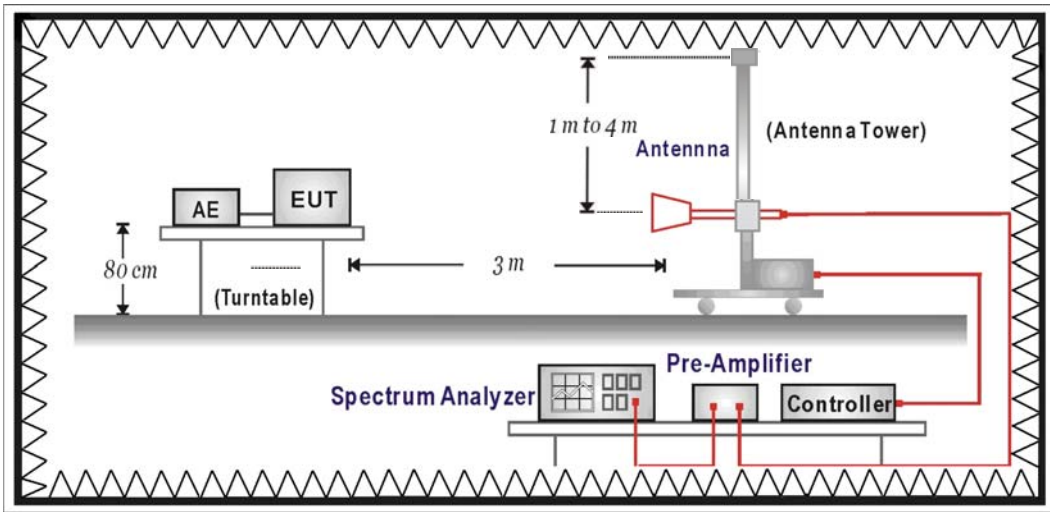
The following test equipments are used during the test:

Band Edge / CB1

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Double Ridged Guide Horn Antenna	Schwarzbeck	BBHA 9120	D743	2016/01/26
Spectrum Analyzer	Agilent	E4440A	MY46187335	2016/12/24
k Type Cable	Huber+Suhner	SF 102	25623/2	2017/01/11
Signal & Spectrum Analyzer	R&S	FSV40	101049	2017/01/05

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

6.2. Test Setup



6.3. Limits

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

6.4. Test Procedure

The EUT was setup according to ANSI C63.4: 2009 and tested according to DTS test procedure of Jan. 2012 KDB558074 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.
The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.4: 2009 on radiated measurement.

6.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2011

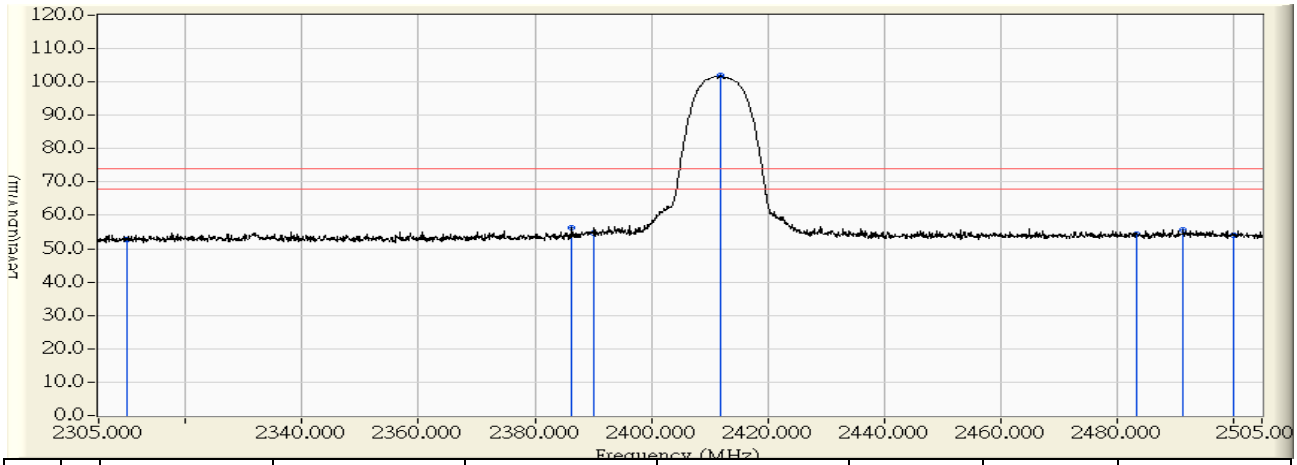
6.6. Uncertainty

The measurement uncertainty
± 3.9 dB above 1GHz

6.7. Test Result

Radiated is defined as

Site : CB1	**Time : 2016/01/14 - 15:29**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11b 2412MHz**

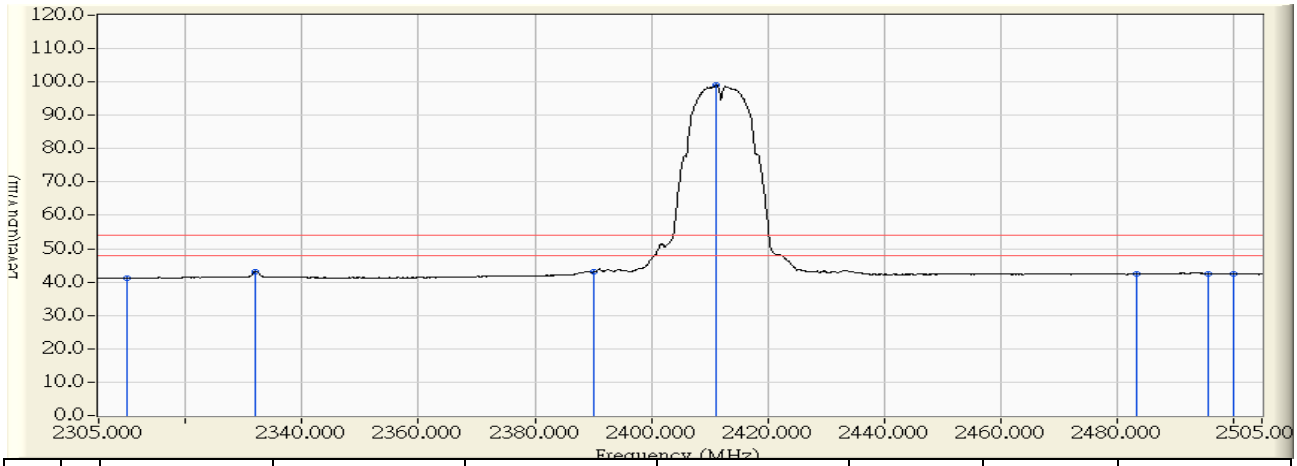


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	24.733	52.863	-21.137	74.000	PEAK
2		2386.300	28.896	27.484	56.380	-17.620	74.000	PEAK
3		2390.000	28.933	25.895	54.828	-19.172	74.000	PEAK
4	*	2411.900	29.153	72.671	101.824	27.824	74.000	PEAK
5		2483.500	29.829	24.411	54.240	-19.760	74.000	PEAK
6		2491.400	29.833	25.981	55.814	-18.186	74.000	PEAK
7		2500.000	29.826	24.162	53.987	-20.013	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/01/14 - 15:28**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11b 2412MHz**

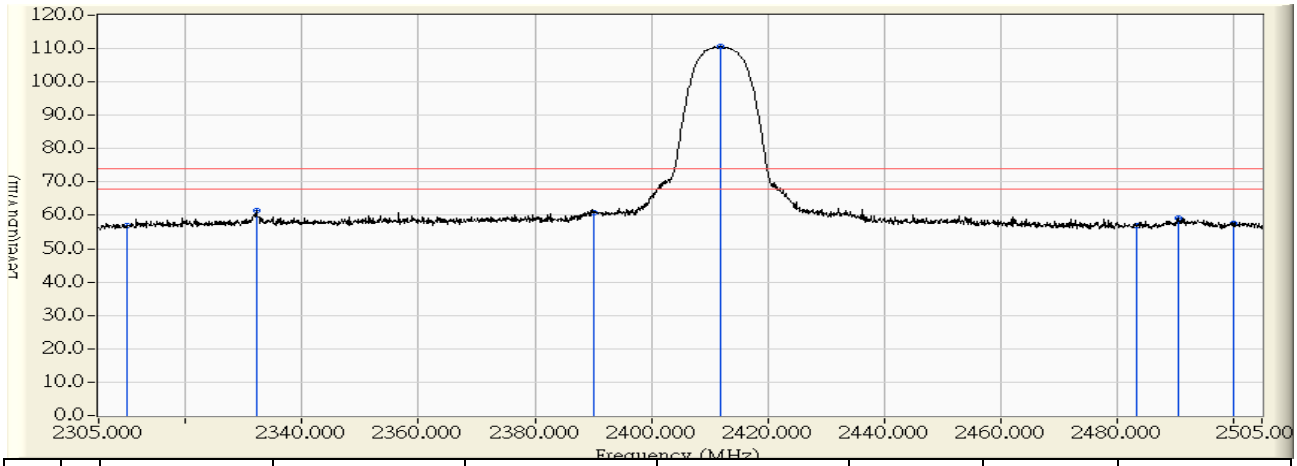


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	13.025	41.155	-12.845	54.000	AVERAGE
2		2331.900	28.349	14.900	43.250	-10.750	54.000	AVERAGE
3		2390.000	28.933	14.079	43.012	-10.988	54.000	AVERAGE
4	*	2411.200	29.146	69.993	99.139	45.139	54.000	AVERAGE
5		2483.500	29.829	12.549	42.378	-11.622	54.000	AVERAGE
6		2495.700	29.835	12.716	42.551	-11.449	54.000	AVERAGE
7		2500.000	29.826	12.530	42.355	-11.645	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2016/01/14 - 15:13**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11b 2412MHz**

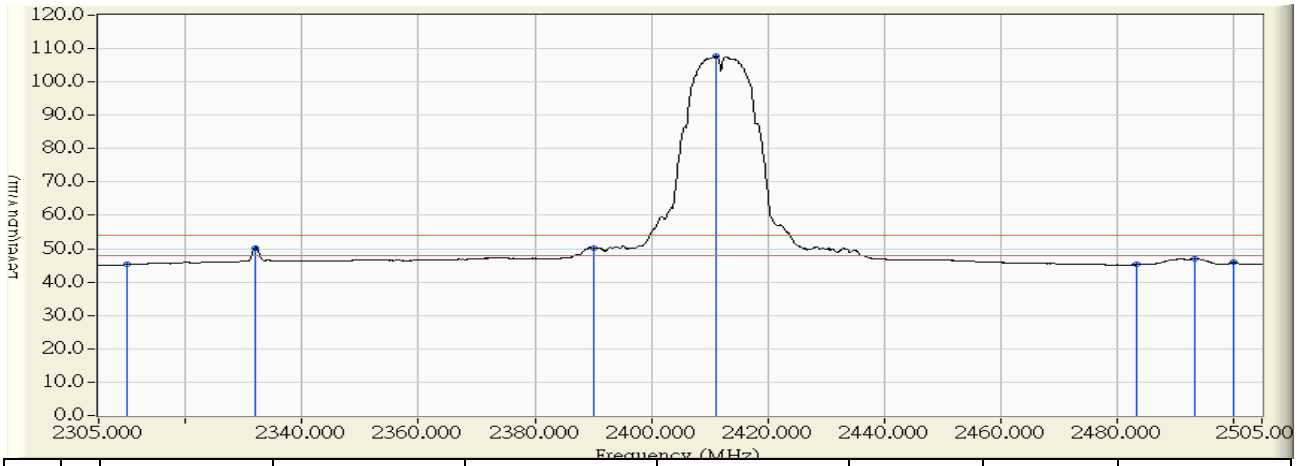


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	28.068	56.852	-17.148	74.000	PEAK
2		2332.100	29.049	32.253	61.303	-12.697	74.000	PEAK
3		2390.000	29.747	31.186	60.933	-13.067	74.000	PEAK
4	*	2412.000	30.012	80.737	110.749	36.749	74.000	PEAK
5		2483.500	30.830	26.017	56.847	-17.153	74.000	PEAK
6		2490.600	30.848	28.362	59.210	-14.790	74.000	PEAK
7		2500.000	30.860	26.886	57.745	-16.255	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/01/14 - 15:17**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11b 2412MHz**

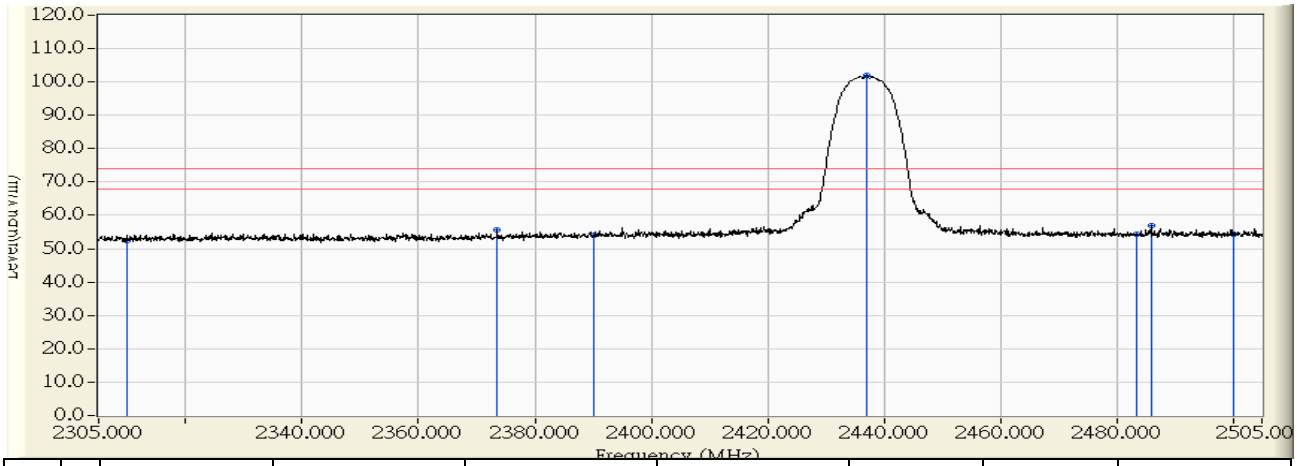


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	16.431	45.215	-8.785	54.000	AVERAGE
2		2331.800	29.046	21.240	50.286	-3.714	54.000	AVERAGE
3		2390.000	29.747	20.506	50.253	-3.747	54.000	AVERAGE
4	*	2411.200	30.002	77.859	107.861	53.861	54.000	AVERAGE
5		2483.500	30.830	14.430	45.260	-8.740	54.000	AVERAGE
6		2493.400	30.855	16.079	46.934	-7.066	54.000	AVERAGE
7		2500.000	30.860	15.064	45.923	-8.077	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2016/01/14 - 15:31**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1** **802.11b 2437MHz**

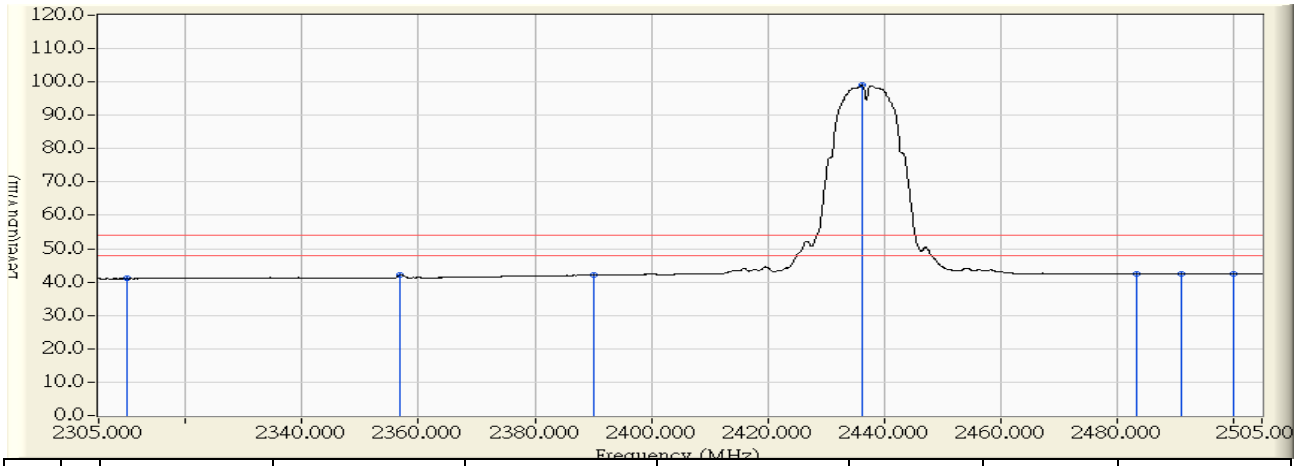


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	24.451	52.581	-21.419	74.000	PEAK
2		2373.500	28.768	26.774	55.541	-18.459	74.000	PEAK
3		2390.000	28.933	25.002	53.935	-20.065	74.000	PEAK
4	*	2437.000	29.405	72.531	101.936	27.936	74.000	PEAK
5		2483.500	29.829	24.624	54.453	-19.547	74.000	PEAK
6		2486.000	29.831	26.977	56.807	-17.193	74.000	PEAK
7		2500.000	29.826	24.505	54.330	-19.670	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/01/14 - 15:32**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1** **802.11b 2437MHz**

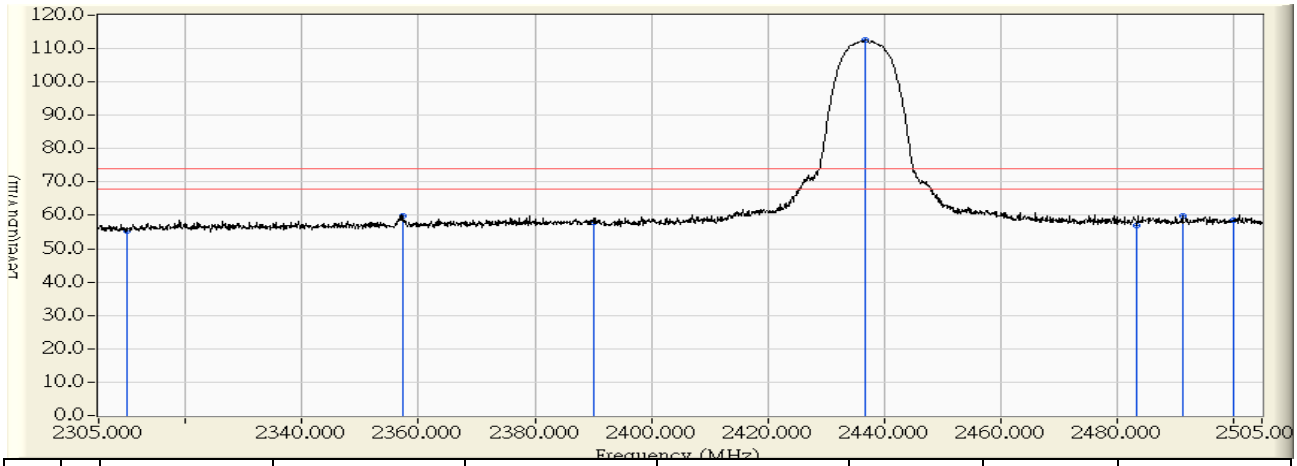


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	12.915	41.045	-12.955	54.000	AVERAGE
2		2356.700	28.599	13.465	42.064	-11.936	54.000	AVERAGE
3		2390.000	28.933	13.168	42.101	-11.899	54.000	AVERAGE
4	*	2436.200	29.397	69.784	99.181	45.181	54.000	AVERAGE
5		2483.500	29.829	12.633	42.462	-11.538	54.000	AVERAGE
6		2491.100	29.833	12.638	42.471	-11.529	54.000	AVERAGE
7		2500.000	29.826	12.632	42.457	-11.543	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2016/01/14 - 15:12**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11b 2437MHz**

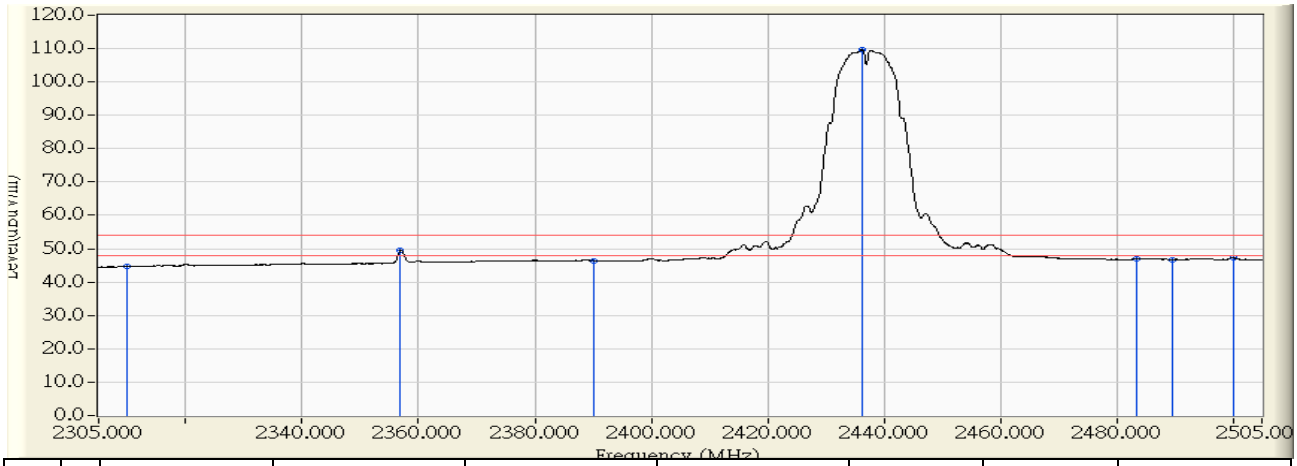


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	26.693	55.477	-18.523	74.000	PEAK
2		2357.300	29.353	30.550	59.903	-14.097	74.000	PEAK
3		2390.000	29.747	28.258	58.005	-15.995	74.000	PEAK
4	*	2436.800	30.310	82.263	112.574	38.574	74.000	PEAK
5		2483.500	30.830	26.252	57.082	-16.918	74.000	PEAK
6		2491.400	30.850	29.000	59.850	-14.150	74.000	PEAK
7		2500.000	30.860	27.736	58.595	-15.405	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/01/14 - 15:11**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1** **802.11b 2437MHz**

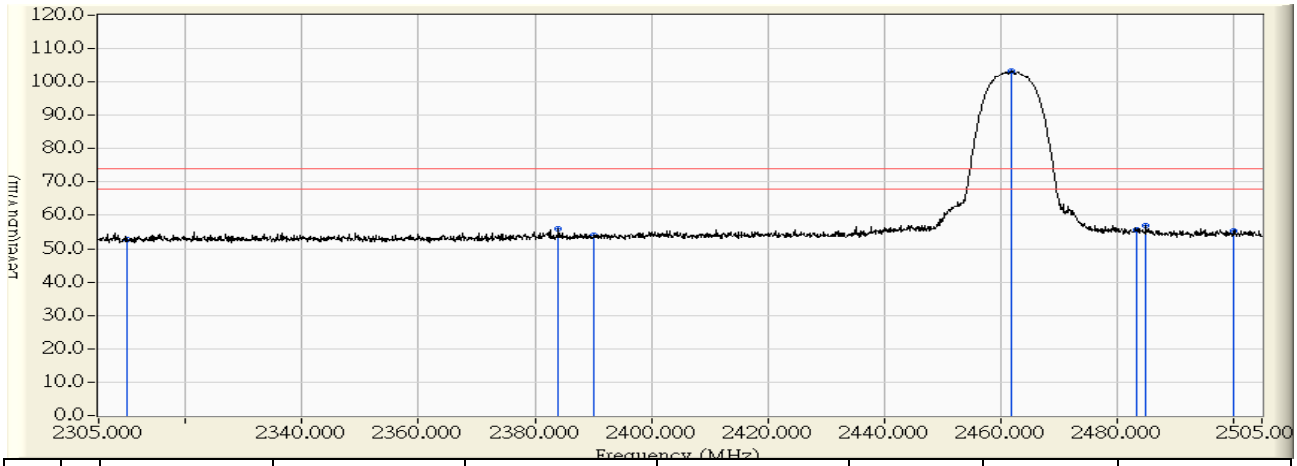


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	15.867	44.651	-9.349	54.000	AVERAGE
2		2356.900	29.349	20.037	49.385	-4.615	54.000	AVERAGE
3		2390.000	29.747	16.731	46.478	-7.522	54.000	AVERAGE
4	*	2436.200	30.303	79.466	109.769	55.769	54.000	AVERAGE
5		2483.500	30.830	16.069	46.899	-7.101	54.000	AVERAGE
6		2489.500	30.845	15.908	46.753	-7.247	54.000	AVERAGE
7		2500.000	30.860	16.480	47.339	-6.661	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2016/01/14 - 15:37**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1** **802.11b 2462MHz**

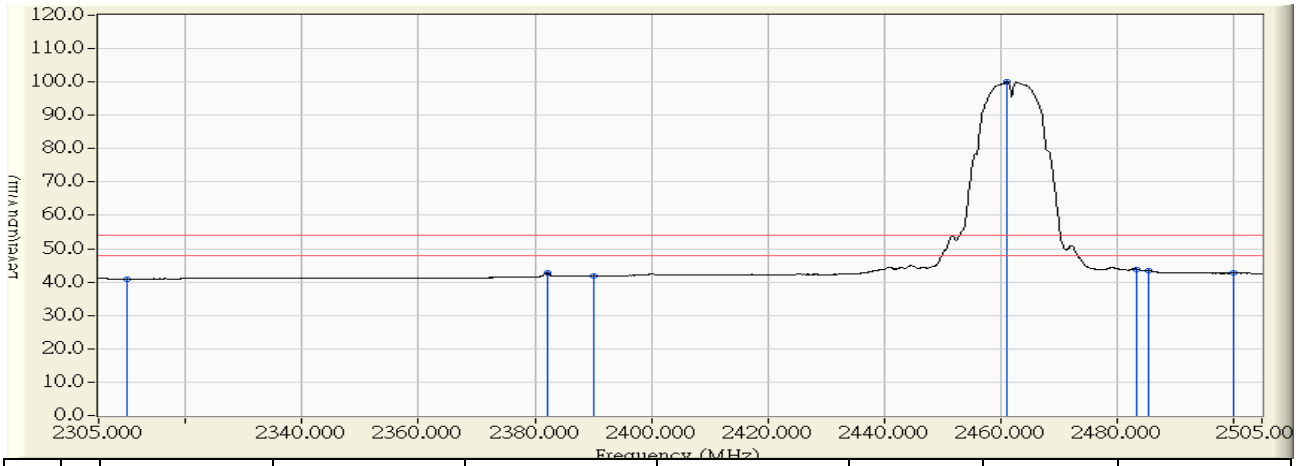


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	24.661	52.791	-21.209	74.000	PEAK
2		2384.100	28.874	27.184	56.058	-17.942	74.000	PEAK
3		2390.000	28.933	25.274	54.207	-19.793	74.000	PEAK
4	*	2461.900	29.655	73.478	103.133	29.133	74.000	PEAK
5		2483.500	29.829	25.750	55.579	-18.421	74.000	PEAK
6		2485.100	29.830	27.058	56.888	-17.112	74.000	PEAK
7		2500.000	29.826	25.358	55.183	-18.817	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/01/14 - 15:36**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1** **802.11b 2462MHz**

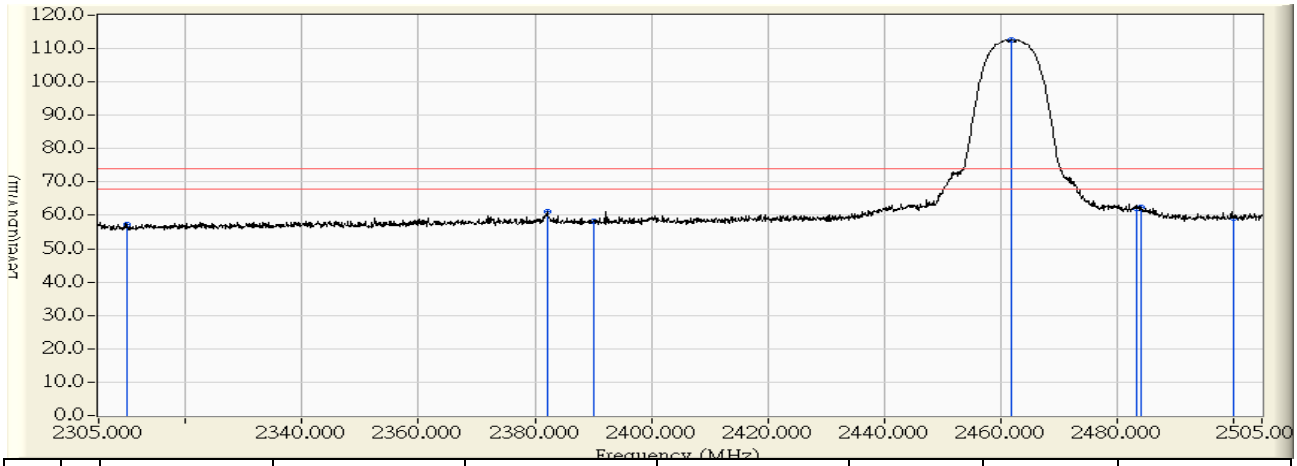


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	12.789	40.919	-13.081	54.000	AVERAGE
2		2382.100	28.853	13.834	42.688	-11.312	54.000	AVERAGE
3		2390.000	28.933	12.925	41.858	-12.142	54.000	AVERAGE
4	*	2461.200	29.649	70.561	100.209	46.209	54.000	AVERAGE
5		2483.500	29.829	14.003	43.832	-10.168	54.000	AVERAGE
6		2485.400	29.830	13.579	43.409	-10.591	54.000	AVERAGE
7		2500.000	29.826	12.869	42.694	-11.306	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2016/01/14 - 15:08**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11b 2462MHz**

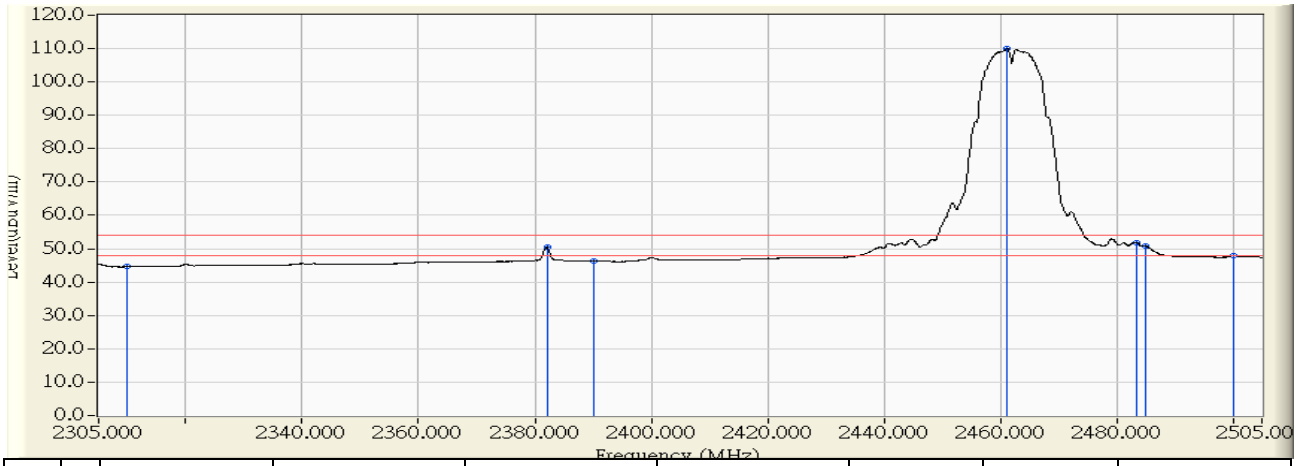


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	28.628	57.412	-16.588	74.000	PEAK
2		2382.200	29.654	31.570	61.223	-12.777	74.000	PEAK
3		2390.000	29.747	28.350	58.097	-15.903	74.000	PEAK
4	*	2461.900	30.613	82.116	112.729	38.729	74.000	PEAK
5		2483.500	30.830	31.292	62.122	-11.878	74.000	PEAK
6		2484.300	30.832	31.593	62.425	-11.575	74.000	PEAK
7		2500.000	30.860	28.333	59.192	-14.808	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/01/14 - 15:09**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11b 2462MHz**

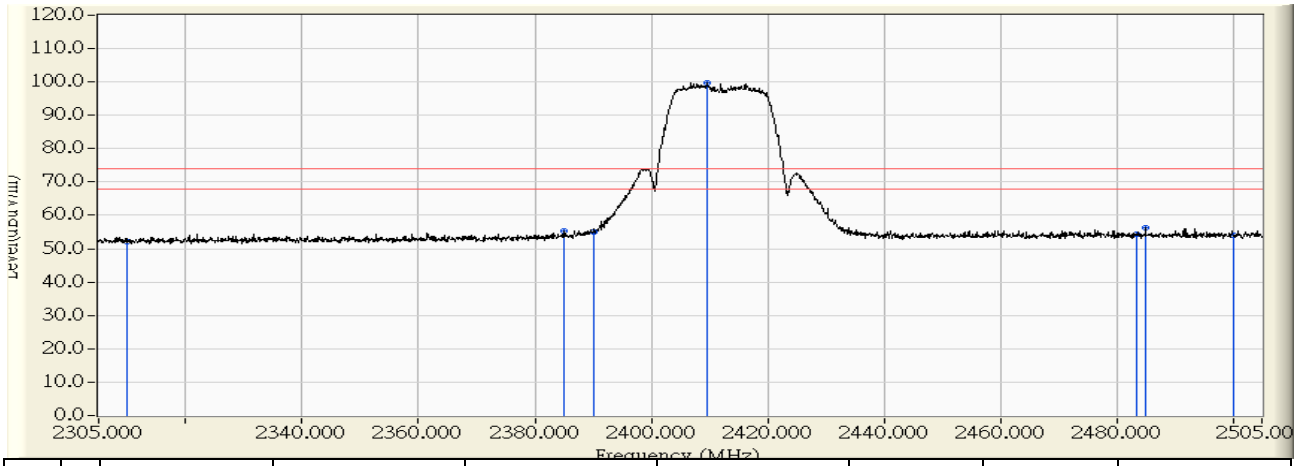


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	15.818	44.602	-9.398	54.000	AVERAGE
2		2382.100	29.651	20.732	50.384	-3.616	54.000	AVERAGE
3		2390.000	29.747	16.622	46.369	-7.631	54.000	AVERAGE
4	*	2461.200	30.605	79.363	109.967	55.967	54.000	AVERAGE
5		2483.500	30.830	20.881	51.711	-2.289	54.000	AVERAGE
6		2484.900	30.833	19.995	50.829	-3.171	54.000	AVERAGE
7		2500.000	30.860	17.163	48.022	-5.978	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2016/01/14 - 15:49**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11g 2412MHz**

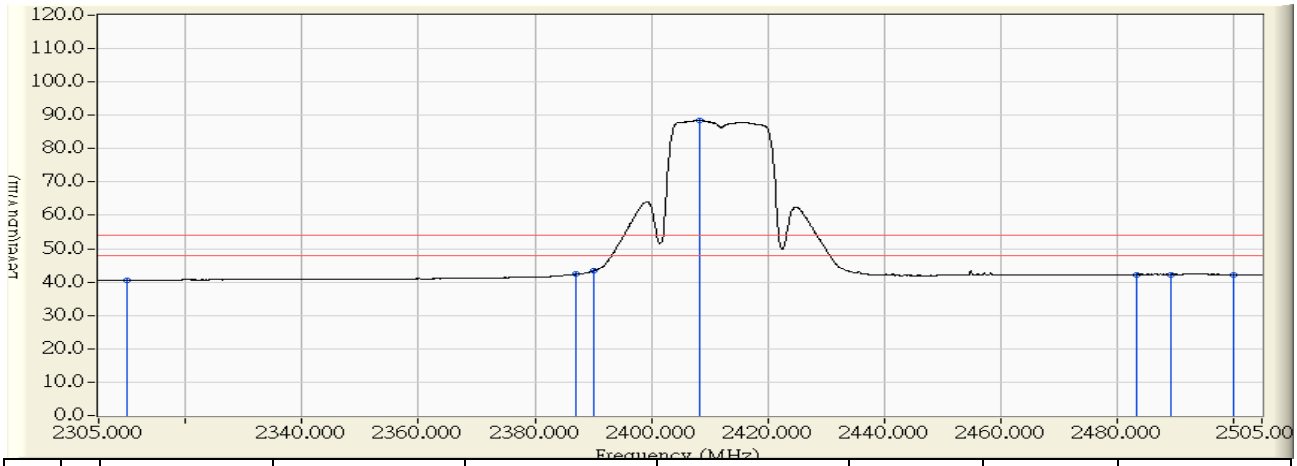


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	23.852	51.982	-22.018	74.000	PEAK
2		2384.900	28.881	26.511	55.393	-18.607	74.000	PEAK
3		2390.000	28.933	26.038	54.971	-19.029	74.000	PEAK
4	*	2409.600	29.130	70.673	99.803	25.803	74.000	PEAK
5		2483.500	29.829	24.394	54.223	-19.777	74.000	PEAK
6		2485.000	29.830	26.464	56.294	-17.706	74.000	PEAK
7		2500.000	29.826	24.090	53.915	-20.085	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/01/14 - 15:51**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11g 2412MHz**

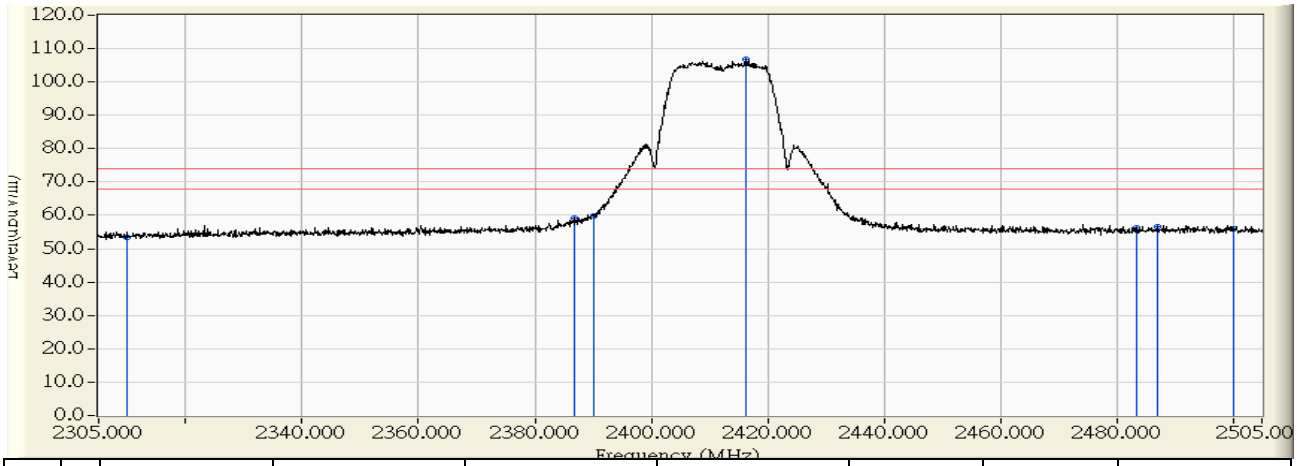


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	12.360	40.490	-13.510	54.000	AVERAGE
2		2387.100	28.904	13.425	42.329	-11.671	54.000	AVERAGE
3		2390.000	28.933	14.348	43.281	-10.719	54.000	AVERAGE
4	*	2408.400	29.118	59.362	88.480	34.480	54.000	AVERAGE
5		2483.500	29.829	12.475	42.304	-11.696	54.000	AVERAGE
6		2489.300	29.832	12.462	42.294	-11.706	54.000	AVERAGE
7		2500.000	29.826	12.457	42.282	-11.718	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2016/01/14 - 14:57**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11g 2412MHz**

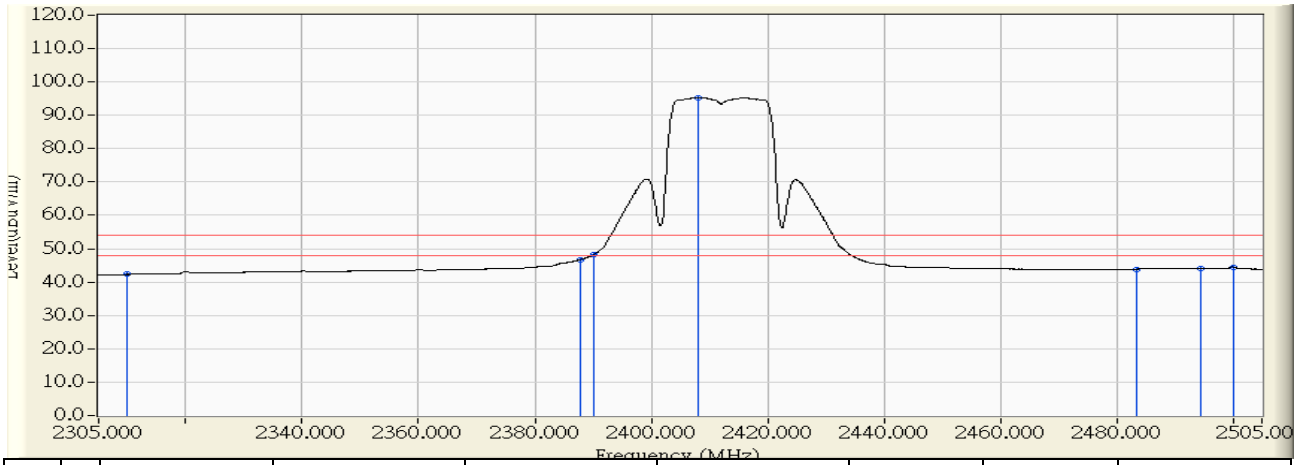


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	24.490	53.274	-20.726	74.000	PEAK
2		2386.700	29.707	29.609	59.316	-14.684	74.000	PEAK
3		2390.000	29.747	30.027	59.774	-14.226	74.000	PEAK
4	*	2416.300	30.064	76.625	106.689	32.689	74.000	PEAK
5		2483.500	30.830	25.550	56.380	-17.620	74.000	PEAK
6		2487.100	30.839	25.928	56.767	-17.233	74.000	PEAK
7		2500.000	30.860	25.267	56.126	-17.874	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/01/14 - 14:59**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1** **802.11g 2412MHz**

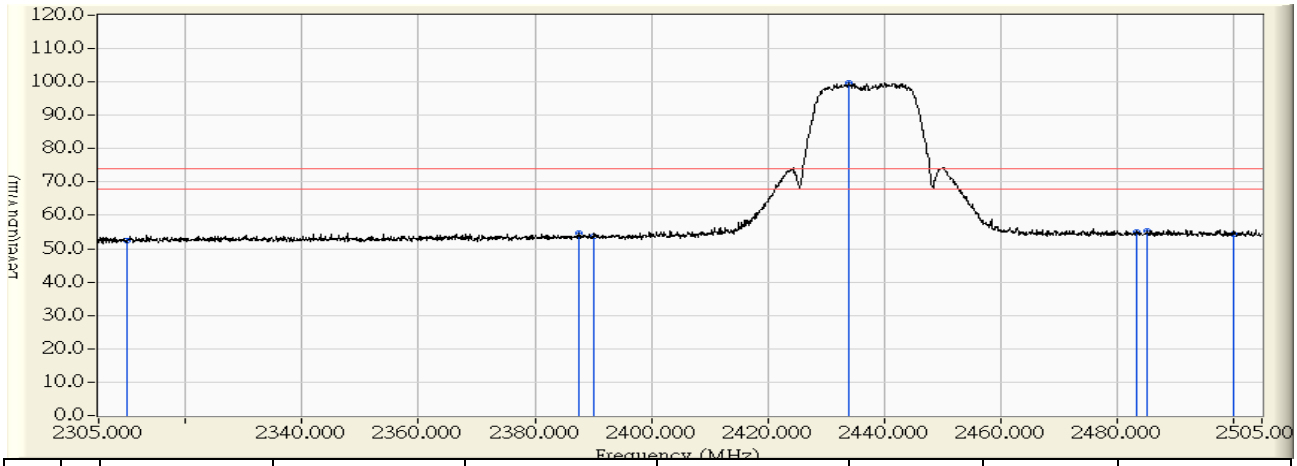


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	13.537	42.321	-11.679	54.000	AVERAGE
2		2387.900	29.721	17.062	46.784	-7.216	54.000	AVERAGE
3		2390.000	29.747	18.392	48.139	-5.861	54.000	AVERAGE
4	*	2408.000	29.963	65.350	95.314	41.314	54.000	AVERAGE
5		2483.500	30.830	13.071	43.901	-10.099	54.000	AVERAGE
6		2494.400	30.857	13.268	44.125	-9.875	54.000	AVERAGE
7		2500.000	30.860	13.686	44.545	-9.455	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2016/01/14 - 15:47**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11g 2437MHz**

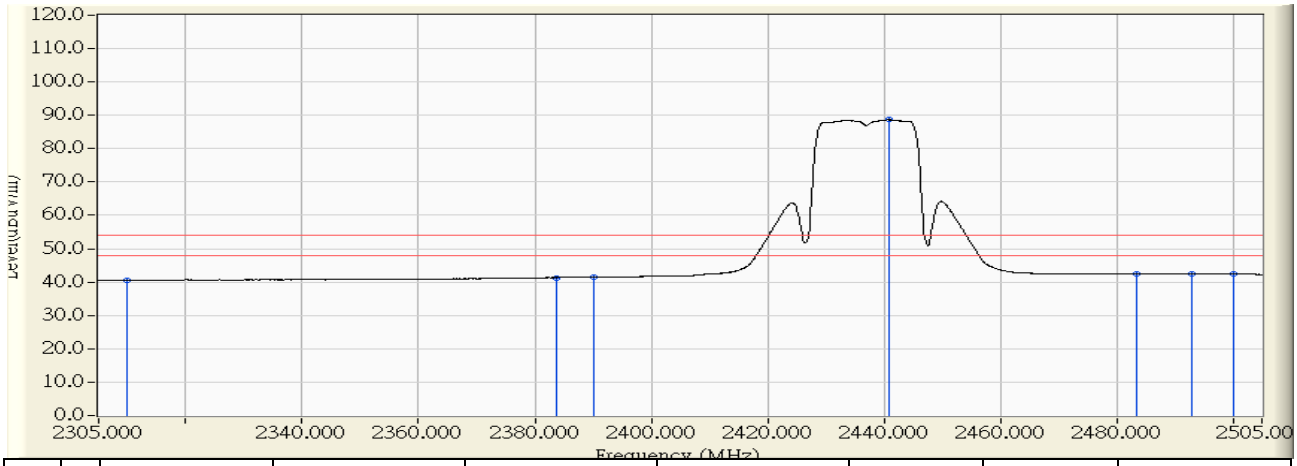


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	24.259	52.389	-21.611	74.000	PEAK
2		2387.600	28.909	25.842	54.751	-19.249	74.000	PEAK
3		2390.000	28.933	24.828	53.761	-20.239	74.000	PEAK
4	*	2434.100	29.376	70.478	99.854	25.854	74.000	PEAK
5		2483.500	29.829	25.183	55.012	-18.988	74.000	PEAK
6		2485.200	29.830	25.447	55.277	-18.723	74.000	PEAK
7		2500.000	29.826	24.607	54.432	-19.568	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/01/14 - 15:45**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1** **802.11g 2437MHz**

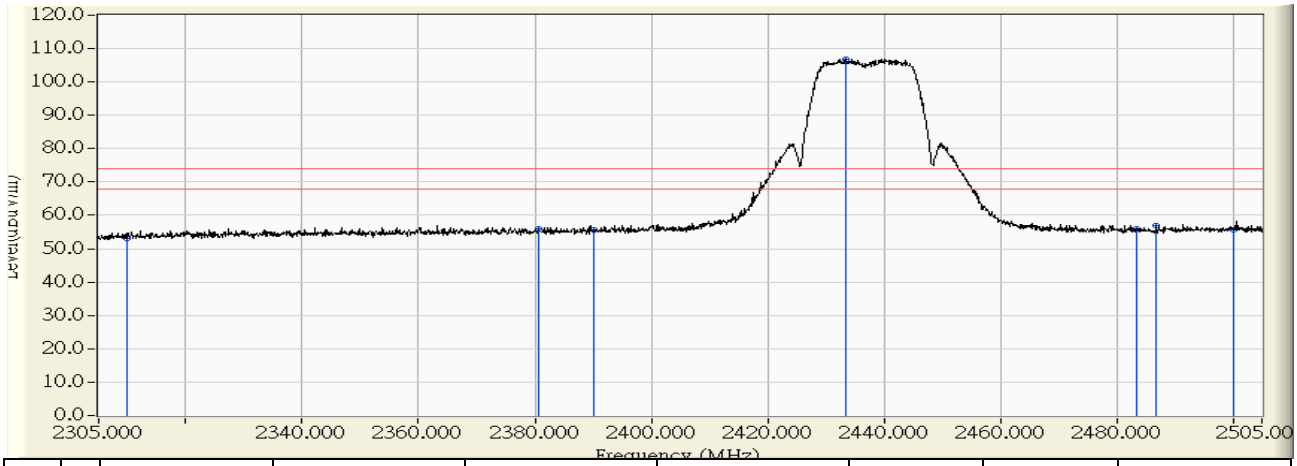


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	12.332	40.462	-13.538	54.000	AVERAGE
2		2383.600	28.869	12.470	41.339	-12.661	54.000	AVERAGE
3		2390.000	28.933	12.576	41.509	-12.491	54.000	AVERAGE
4	*	2440.800	29.444	59.245	88.688	34.688	54.000	AVERAGE
5		2483.500	29.829	12.573	42.402	-11.598	54.000	AVERAGE
6		2492.900	29.834	12.586	42.420	-11.580	54.000	AVERAGE
7		2500.000	29.826	12.559	42.384	-11.616	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2016/01/14 - 15:02**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11g 2437MHz**

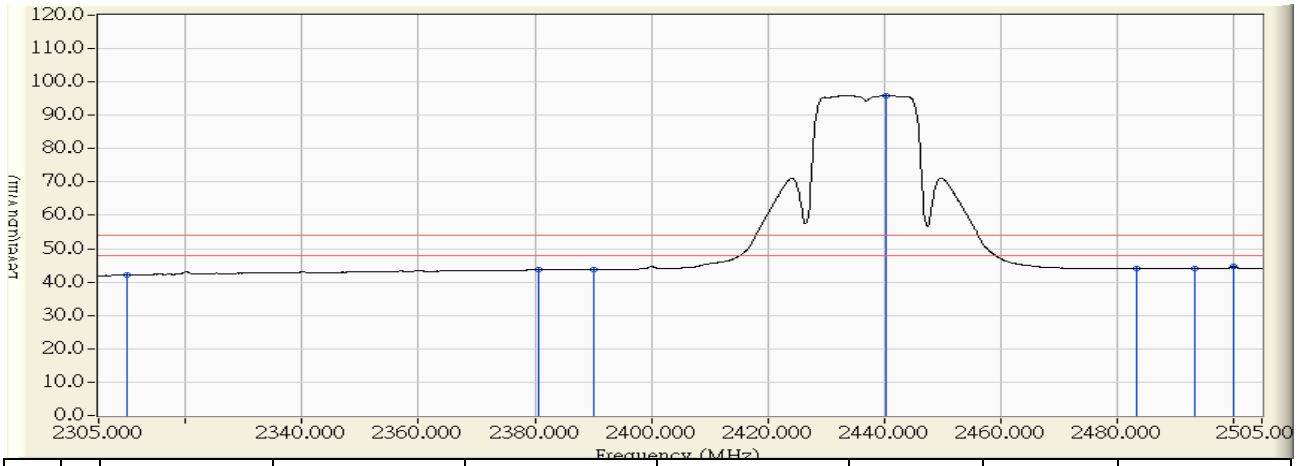


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	24.435	53.219	-20.781	74.000	PEAK
2		2380.700	29.635	26.317	55.952	-18.048	74.000	PEAK
3		2390.000	29.747	26.020	55.767	-18.233	74.000	PEAK
4	*	2433.400	30.270	76.650	106.920	32.920	74.000	PEAK
5		2483.500	30.830	25.230	56.060	-17.940	74.000	PEAK
6		2486.900	30.839	25.997	56.836	-17.164	74.000	PEAK
7		2500.000	30.860	24.942	55.801	-18.199	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/01/14 - 15:01**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11g 2437MHz**

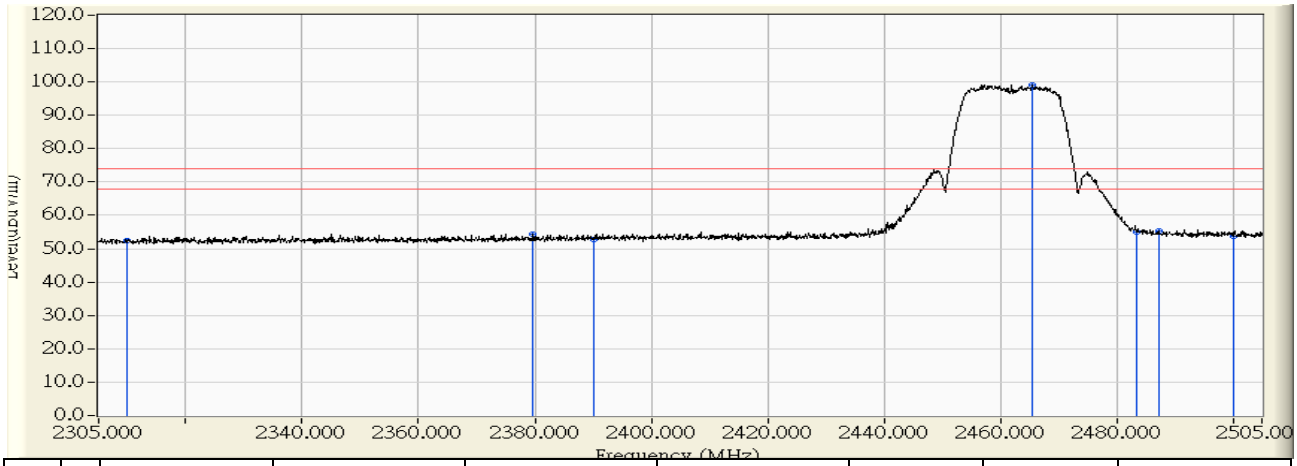


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	13.319	42.103	-11.897	54.000	AVERAGE
2		2380.600	29.634	14.131	43.765	-10.235	54.000	AVERAGE
3		2390.000	29.747	14.152	43.899	-10.101	54.000	AVERAGE
4	*	2440.500	30.355	65.585	95.940	41.940	54.000	AVERAGE
5		2483.500	30.830	13.204	44.034	-9.966	54.000	AVERAGE
6		2493.400	30.855	13.298	44.153	-9.847	54.000	AVERAGE
7		2500.000	30.860	13.740	44.599	-9.401	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2016/01/14 - 15:41**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11g 2462MHz**

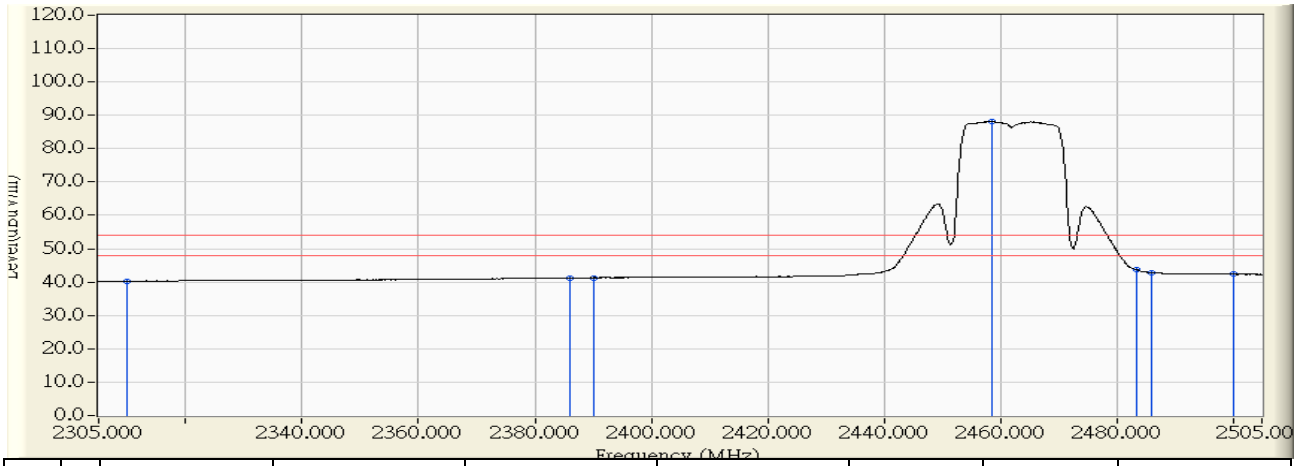


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	24.247	52.377	-21.623	74.000	PEAK
2		2379.700	28.830	25.520	54.350	-19.650	74.000	PEAK
3		2390.000	28.933	23.935	52.868	-21.132	74.000	PEAK
4	*	2465.400	29.690	69.403	99.093	25.093	74.000	PEAK
5		2483.500	29.829	25.266	55.095	-18.905	74.000	PEAK
6		2487.300	29.831	25.541	55.372	-18.628	74.000	PEAK
7		2500.000	29.826	24.001	53.826	-20.174	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/01/14 - 15:42**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11g 2462MHz**

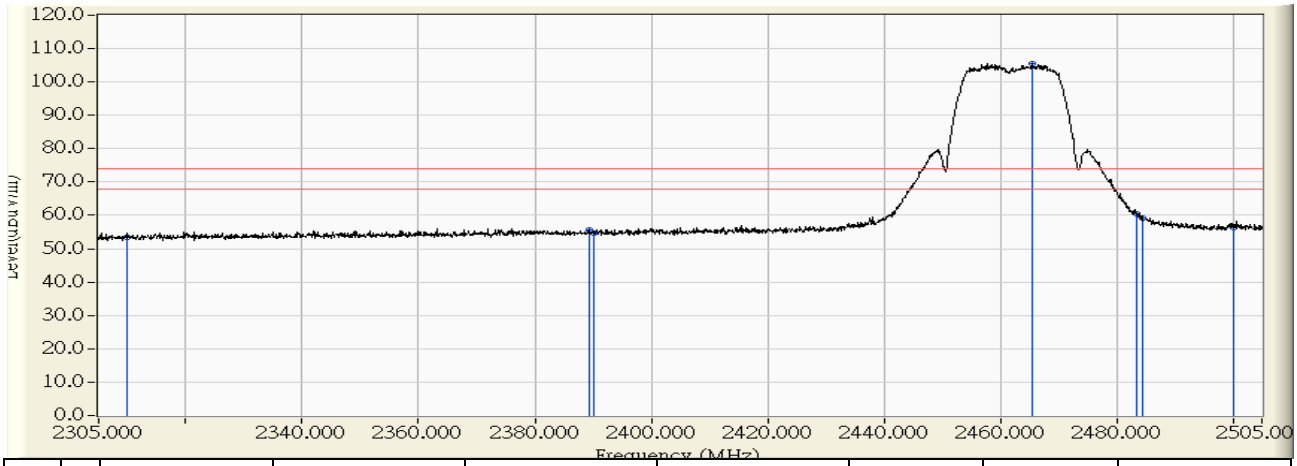


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	12.192	40.322	-13.678	54.000	AVERAGE
2		2386.100	28.894	12.362	41.256	-12.744	54.000	AVERAGE
3		2390.000	28.933	12.351	41.284	-12.716	54.000	AVERAGE
4	*	2458.600	29.622	58.536	88.158	34.158	54.000	AVERAGE
5		2483.500	29.829	13.853	43.682	-10.318	54.000	AVERAGE
6		2485.900	29.831	12.980	42.810	-11.190	54.000	AVERAGE
7		2500.000	29.826	12.525	42.350	-11.650	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2016/01/14 - 15:06**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11g 2462MHz**

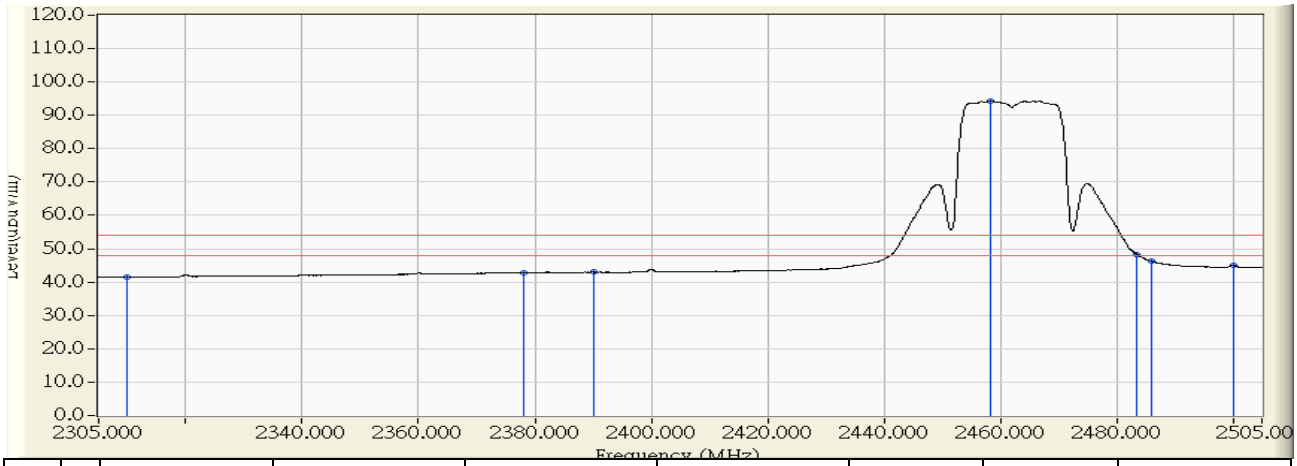


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	24.695	53.479	-20.521	74.000	PEAK
2		2389.300	29.739	26.053	55.792	-18.208	74.000	PEAK
3		2390.000	29.747	24.890	54.637	-19.363	74.000	PEAK
4	*	2465.400	30.655	74.819	105.474	31.474	74.000	PEAK
5		2483.500	30.830	29.697	60.527	-13.473	74.000	PEAK
6		2484.400	30.832	28.419	59.251	-14.749	74.000	PEAK
7		2500.000	30.860	25.540	56.399	-17.601	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/01/14 - 15:04**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11g 2462MHz**

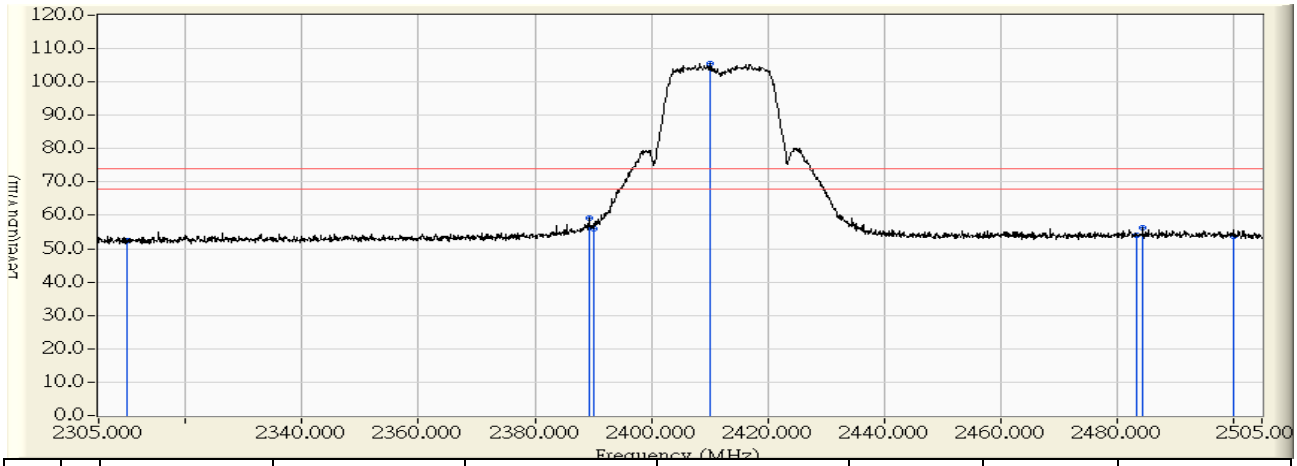


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	12.744	41.528	-12.472	54.000	AVERAGE
2		2378.200	29.605	13.151	42.756	-11.244	54.000	AVERAGE
3		2390.000	29.747	13.215	42.962	-11.038	54.000	AVERAGE
4	*	2458.300	30.570	63.820	94.390	40.390	54.000	AVERAGE
5		2483.500	30.830	17.528	48.358	-5.642	54.000	AVERAGE
6		2485.900	30.836	15.536	46.372	-7.628	54.000	AVERAGE
7		2500.000	30.860	14.268	45.127	-8.873	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2016/01/14 - 16:12**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M) 2412MHz**

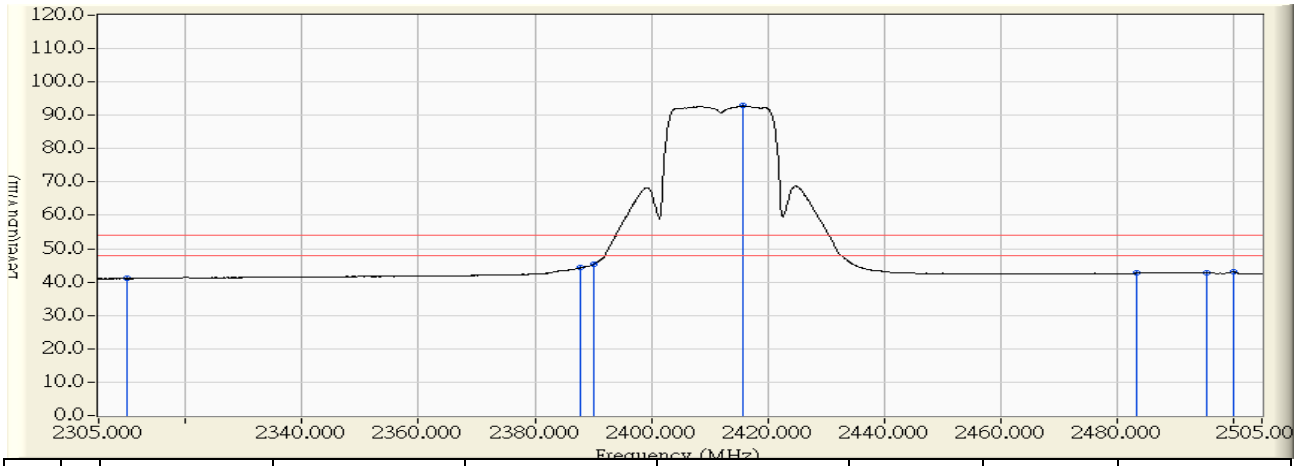


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	24.443	52.573	-21.427	74.000	PEAK
2		2389.300	28.926	30.111	59.037	-14.963	74.000	PEAK
3		2390.000	28.933	27.163	56.096	-17.904	74.000	PEAK
4	*	2410.000	29.134	76.464	105.598	31.598	74.000	PEAK
5		2483.500	29.829	24.329	54.158	-19.842	74.000	PEAK
6		2484.500	29.830	26.410	56.240	-17.760	74.000	PEAK
7		2500.000	29.826	23.952	53.777	-20.223	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/01/14 - 16:10**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M) 2412MHz**

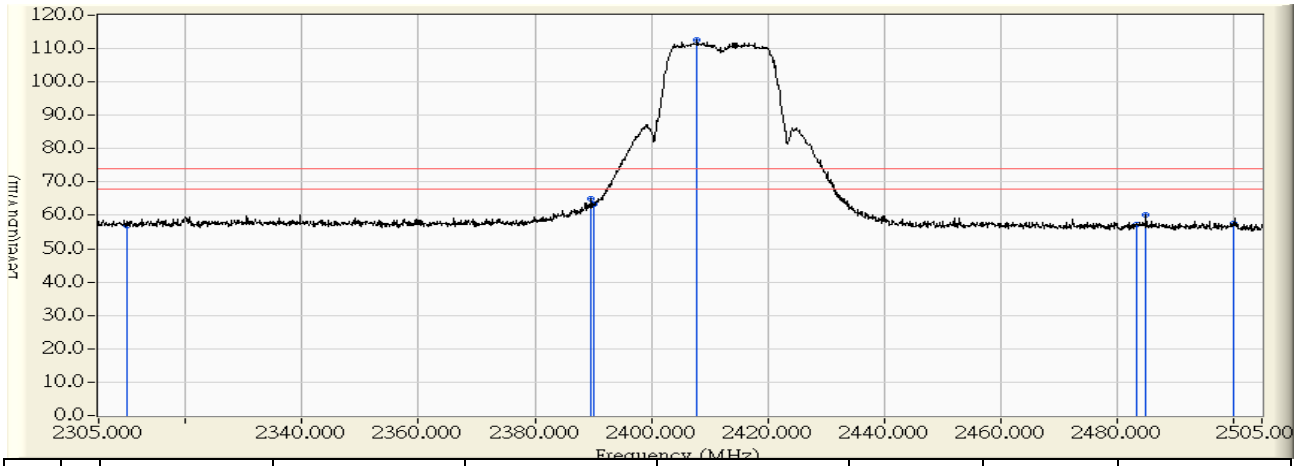


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	12.894	41.024	-12.976	54.000	AVERAGE
2		2387.800	28.911	15.346	44.257	-9.743	54.000	AVERAGE
3		2390.000	28.933	16.320	45.253	-8.747	54.000	AVERAGE
4	*	2415.700	29.191	63.631	92.822	38.822	54.000	AVERAGE
5		2483.500	29.829	12.858	42.687	-11.313	54.000	AVERAGE
6		2495.500	29.835	12.930	42.765	-11.235	54.000	AVERAGE
7		2500.000	29.826	13.188	43.013	-10.987	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2016/01/14 - 16:44**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M) 2412MHz**

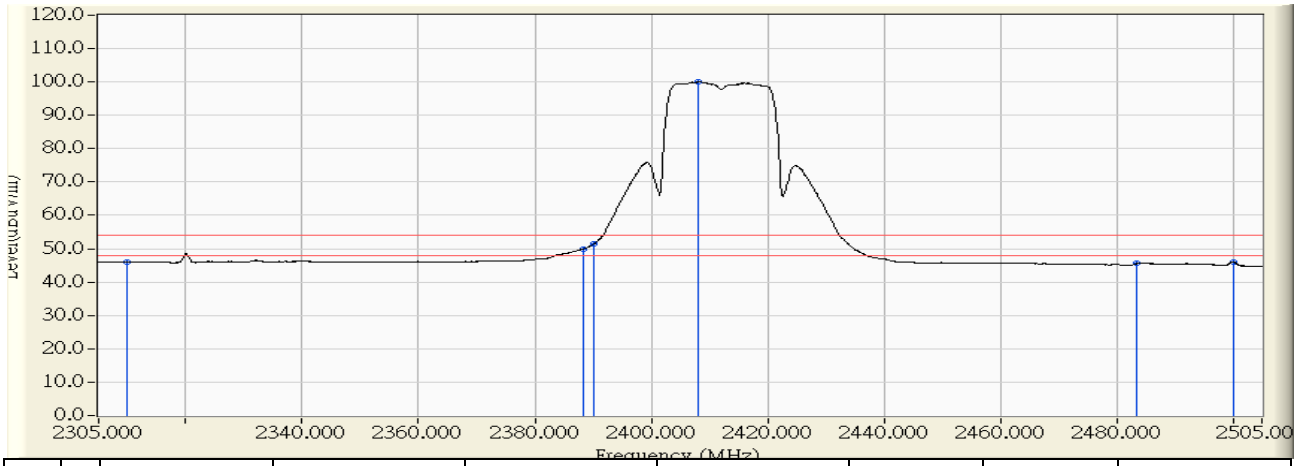


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	28.053	56.837	-17.163	74.000	PEAK
2		2389.700	29.743	35.089	64.832	-9.168	74.000	PEAK
3		2390.000	29.747	33.631	63.378	-10.622	74.000	PEAK
4	*	2407.900	29.962	82.794	112.757	38.757	74.000	PEAK
5		2483.500	30.830	26.308	57.138	-16.862	74.000	PEAK
6		2485.100	30.834	29.259	60.093	-13.907	74.000	PEAK
7		2500.000	30.860	26.842	57.701	-16.299	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/01/14 - 16:43**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M) 2412MHz**

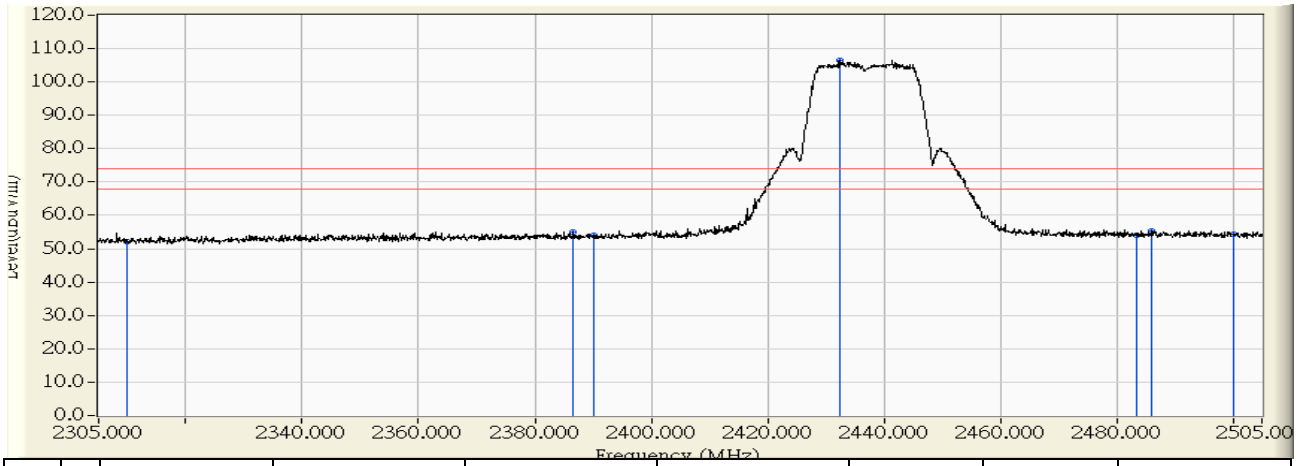


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	17.196	45.980	-8.020	54.000	AVERAGE
2		2388.300	29.727	20.275	50.002	-3.998	54.000	AVERAGE
3		2390.000	29.747	21.593	51.340	-2.660	54.000	AVERAGE
4	*	2408.200	29.966	70.141	100.107	46.107	54.000	AVERAGE
5		2483.500	30.830	14.721	45.551	-8.449	54.000	AVERAGE
6		2500.000	30.860	15.200	46.059	-7.941	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2016/01/14 - 16:13**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1** **802.11n(20M) 2437MHz**

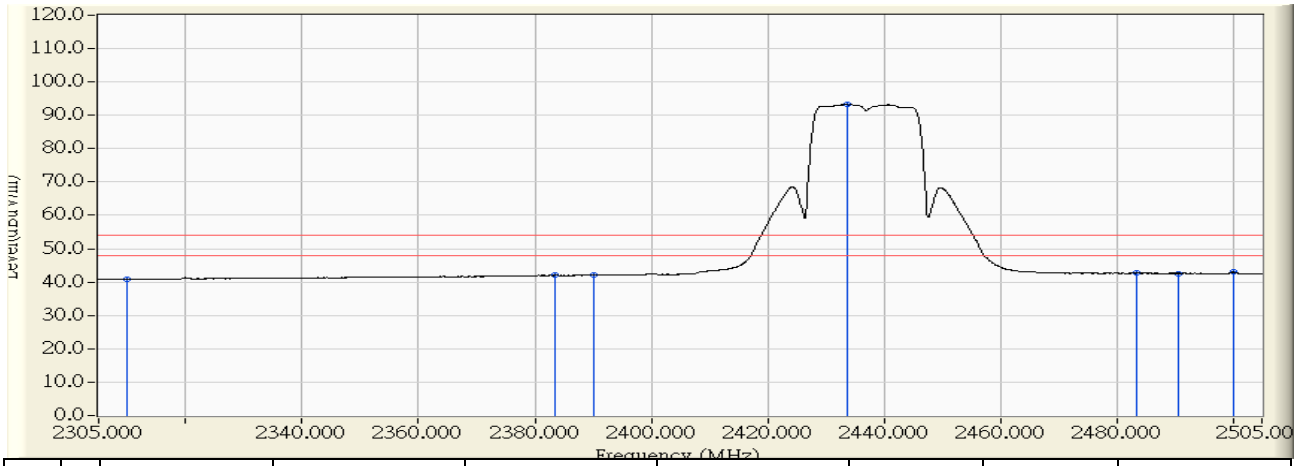


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	23.910	52.040	-21.960	74.000	PEAK
2		2386.600	28.899	26.028	54.927	-19.073	74.000	PEAK
3		2390.000	28.933	25.197	54.130	-19.870	74.000	PEAK
4	*	2432.500	29.360	77.256	106.616	32.616	74.000	PEAK
5		2483.500	29.829	24.188	54.017	-19.983	74.000	PEAK
6		2486.100	29.831	25.480	55.310	-18.690	74.000	PEAK
7		2500.000	29.826	24.633	54.458	-19.542	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/01/14 - 16:14**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1** **802.11n(20M) 2437MHz**

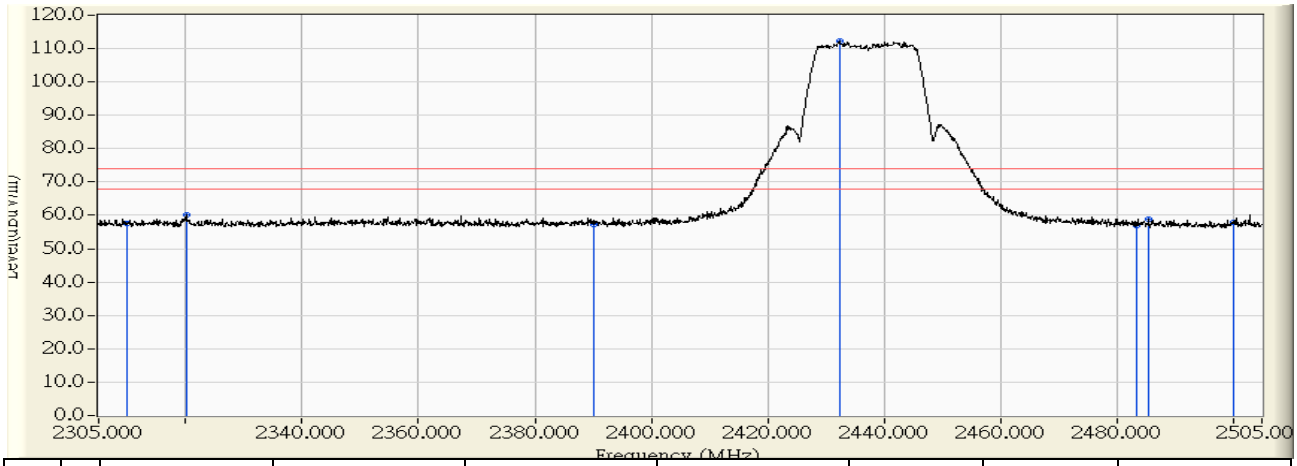


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	12.725	40.855	-13.145	54.000	AVERAGE
2		2383.400	28.867	13.150	42.017	-11.983	54.000	AVERAGE
3		2390.000	28.933	13.187	42.120	-11.880	54.000	AVERAGE
4	*	2433.700	29.372	63.828	93.200	39.200	54.000	AVERAGE
5		2483.500	29.829	12.877	42.706	-11.294	54.000	AVERAGE
6		2490.600	29.833	12.777	42.610	-11.390	54.000	AVERAGE
7		2500.000	29.826	13.160	42.985	-11.015	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2016/01/14 - 16:46**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M) 2437MHz**

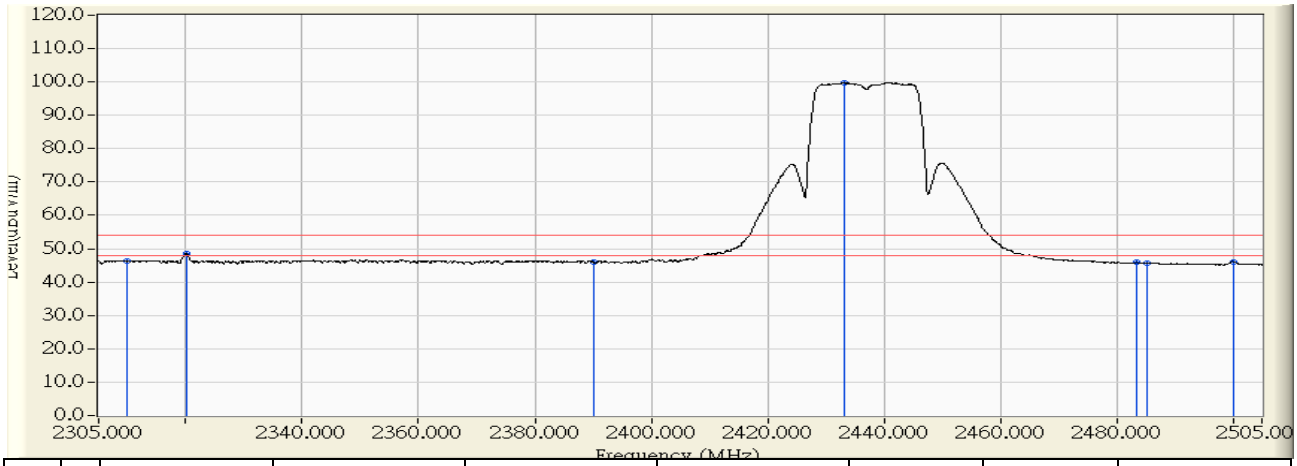


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	28.720	57.504	-16.496	74.000	PEAK
2		2320.100	28.905	31.099	60.004	-13.996	74.000	PEAK
3		2390.000	29.747	27.675	57.422	-16.578	74.000	PEAK
4	*	2432.400	30.258	82.003	112.261	38.261	74.000	PEAK
5		2483.500	30.830	26.230	57.060	-16.940	74.000	PEAK
6		2485.500	30.835	28.129	58.964	-15.036	74.000	PEAK
7		2500.000	30.860	27.109	57.968	-16.032	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/01/14 - 16:47**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M) 2437MHz**

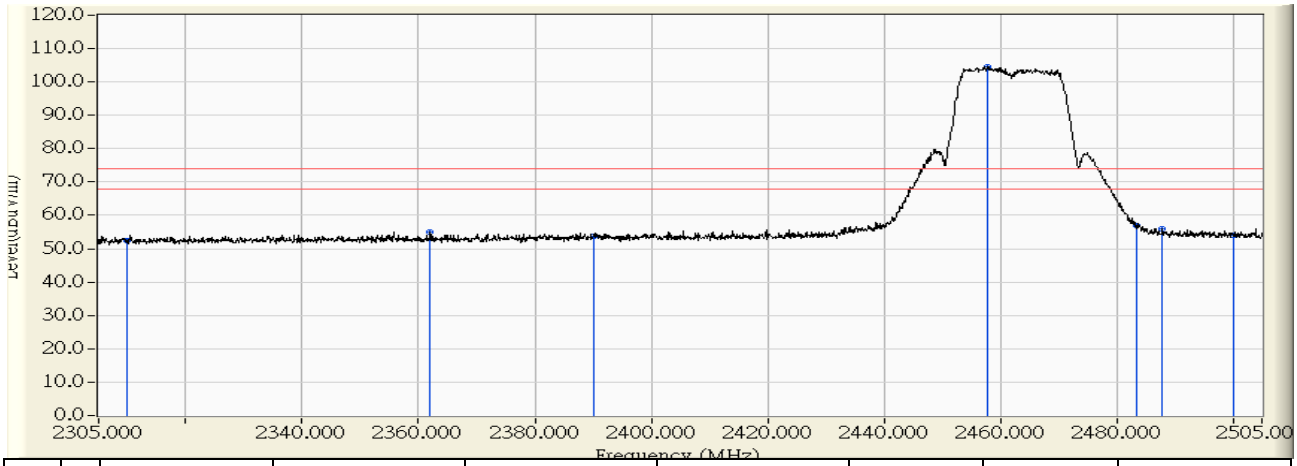


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	17.471	46.255	-7.745	54.000	AVERAGE
2		2320.100	28.905	19.624	48.529	-5.471	54.000	AVERAGE
3		2390.000	29.747	16.265	46.012	-7.988	54.000	AVERAGE
4	*	2433.200	30.267	69.525	99.792	45.792	54.000	AVERAGE
5		2483.500	30.830	15.032	45.862	-8.138	54.000	AVERAGE
6		2485.200	30.834	14.926	45.760	-8.240	54.000	AVERAGE
7		2500.000	30.860	15.296	46.155	-7.845	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2016/01/14 - 16:16**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M) 2462MHz**

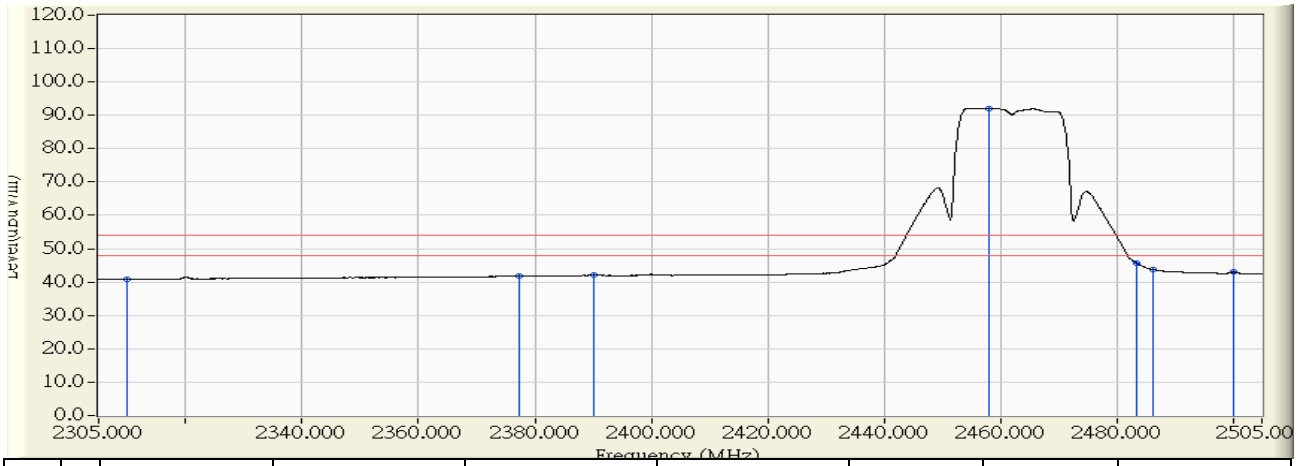


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	24.218	52.348	-21.652	74.000	PEAK
2		2361.900	28.651	26.273	54.924	-19.076	74.000	PEAK
3		2390.000	28.933	24.764	53.697	-20.303	74.000	PEAK
4	*	2457.900	29.615	75.044	104.659	30.659	74.000	PEAK
5		2483.500	29.829	27.195	57.024	-16.976	74.000	PEAK
6		2487.800	29.831	26.164	55.995	-18.005	74.000	PEAK
7		2500.000	29.826	24.081	53.906	-20.094	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/01/14 - 16:15**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1** **802.11n(20M) 2462MHz**

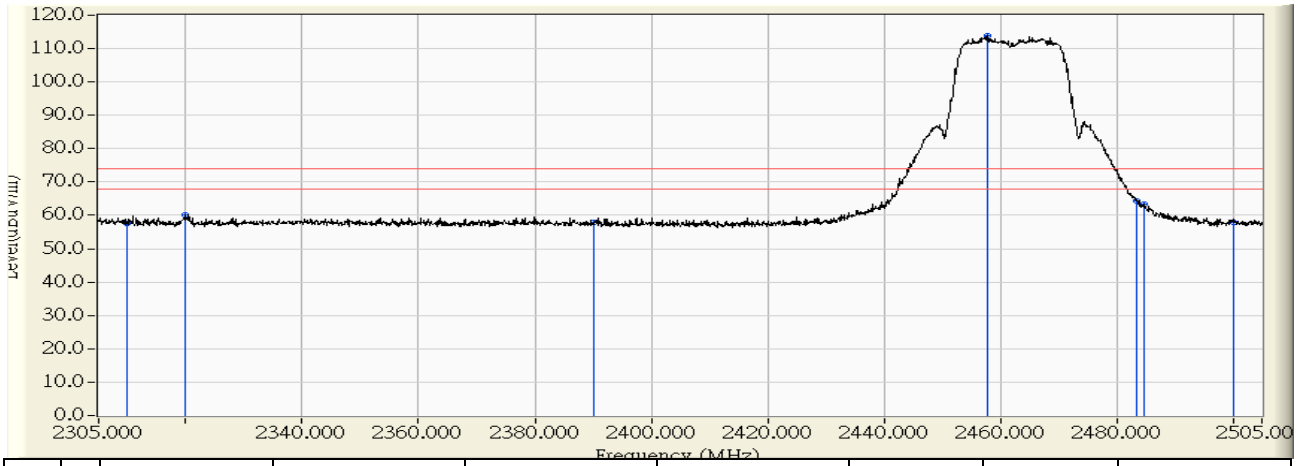


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	12.749	40.879	-13.121	54.000	AVERAGE
2		2377.200	28.805	12.992	41.797	-12.203	54.000	AVERAGE
3		2390.000	28.933	13.095	42.028	-11.972	54.000	AVERAGE
4	*	2458.000	29.616	62.517	92.133	38.133	54.000	AVERAGE
5		2483.500	29.829	15.786	45.615	-8.385	54.000	AVERAGE
6		2486.200	29.831	13.970	43.800	-10.200	54.000	AVERAGE
7		2500.000	29.826	13.254	43.079	-10.921	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.

Site : CB1	**Time : 2016/01/14 - 16:50**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M) 2462MHz**

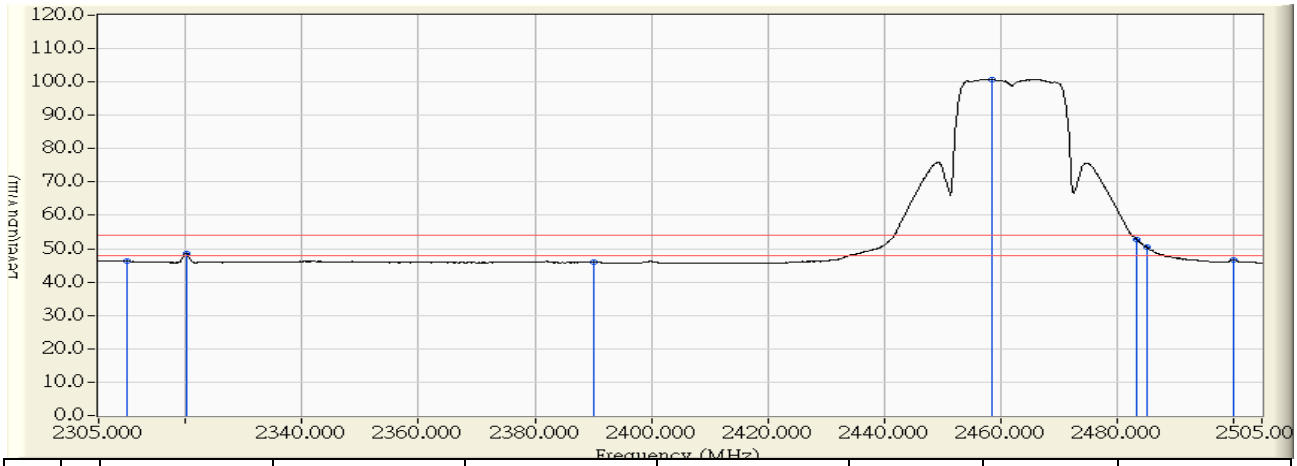


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	28.765	57.549	-16.451	74.000	PEAK
2		2320.000	28.904	31.352	60.256	-13.744	74.000	PEAK
3		2390.000	29.747	28.284	58.031	-15.969	74.000	PEAK
4	*	2457.900	30.564	83.207	113.772	39.772	74.000	PEAK
5		2483.500	30.830	33.448	64.278	-9.722	74.000	PEAK
6		2484.700	30.833	32.664	63.497	-10.503	74.000	PEAK
7		2500.000	30.860	27.096	57.955	-16.045	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/01/14 - 16:49**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M) 2462MHz**

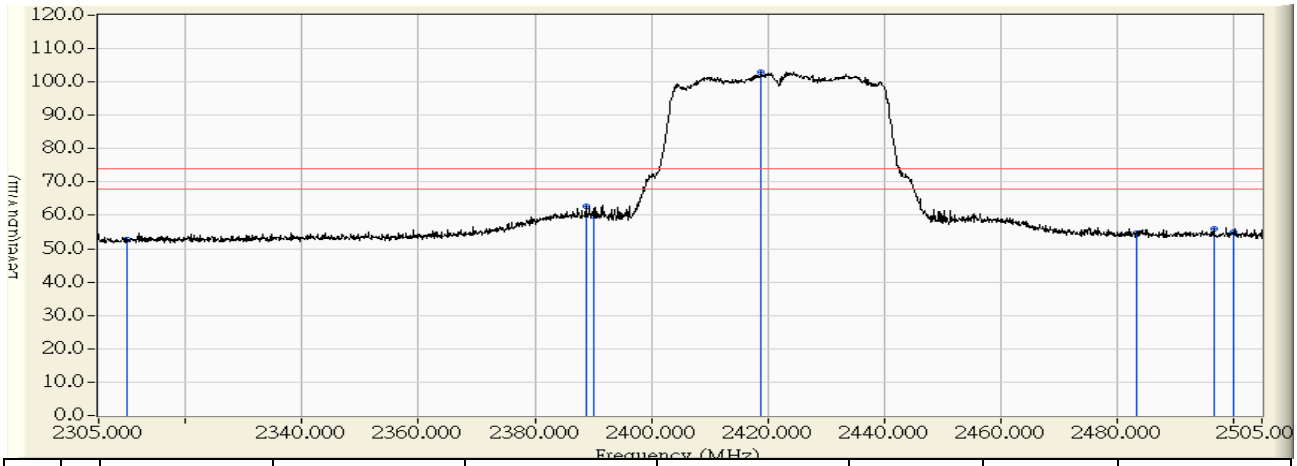


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	17.495	46.279	-7.721	54.000	AVERAGE
2		2320.100	28.905	19.810	48.715	-5.285	54.000	AVERAGE
3		2390.000	29.747	16.280	46.027	-7.973	54.000	AVERAGE
4	*	2458.500	30.572	70.274	100.846	46.846	54.000	AVERAGE
5		2483.500	30.830	21.901	52.731	-1.269	54.000	AVERAGE
6		2485.200	30.834	19.584	50.418	-3.582	54.000	AVERAGE
7		2500.000	30.860	15.931	46.790	-7.210	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2016/01/14 - 16:18**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1** **802.11n(40M) 2422MHz**

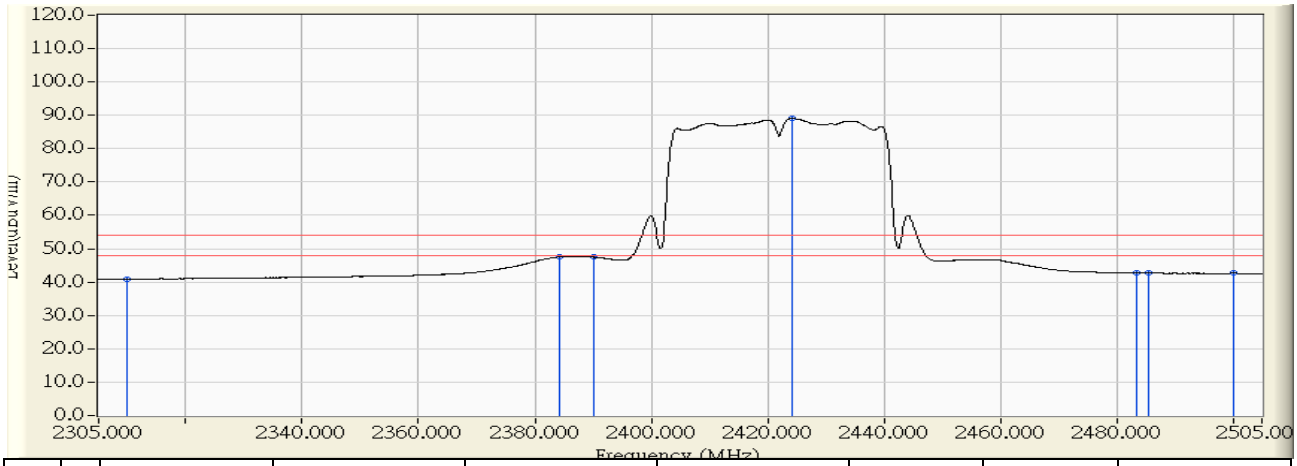


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	24.472	52.602	-21.398	74.000	PEAK
2		2388.800	28.921	33.767	62.688	-11.312	74.000	PEAK
3		2390.000	28.933	30.828	59.761	-14.239	74.000	PEAK
4	*	2418.900	29.223	73.659	102.882	28.882	74.000	PEAK
5		2483.500	29.829	24.847	54.676	-19.324	74.000	PEAK
6		2496.700	29.833	25.985	55.818	-18.182	74.000	PEAK
7		2500.000	29.826	25.238	55.063	-18.937	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/01/14 - 16:19**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(40M) 2422MHz**

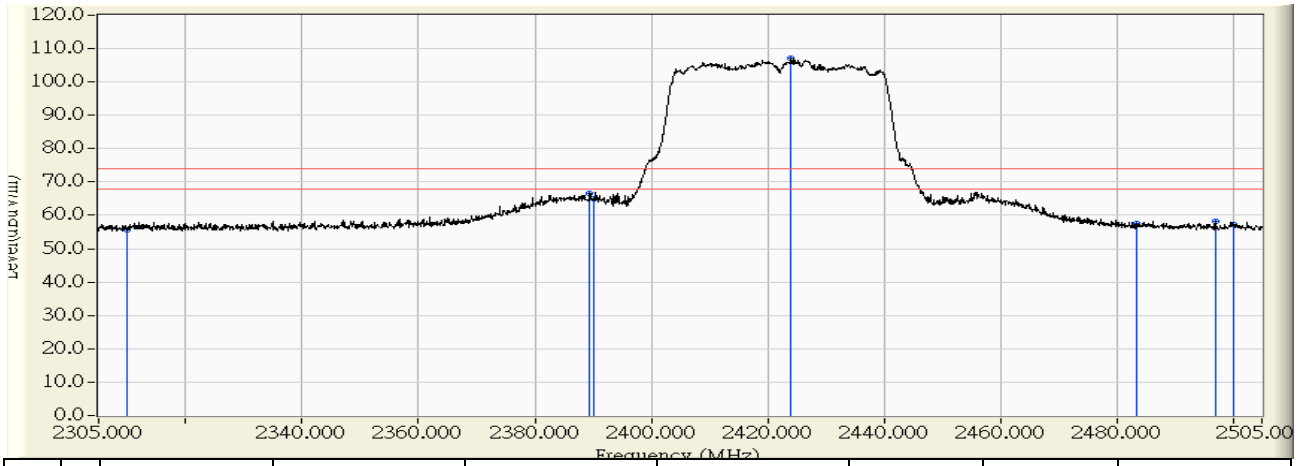


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	12.761	40.891	-13.109	54.000	AVERAGE
2		2384.200	28.875	18.722	47.597	-6.403	54.000	AVERAGE
3		2390.000	28.933	18.568	47.501	-6.499	54.000	AVERAGE
4	*	2424.200	29.277	59.868	89.145	35.145	54.000	AVERAGE
5		2483.500	29.829	12.918	42.747	-11.253	54.000	AVERAGE
6		2485.400	29.830	12.961	42.791	-11.209	54.000	AVERAGE
7		2500.000	29.826	13.090	42.915	-11.085	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2016/01/14 - 16:37**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(40M) 2422MHz**

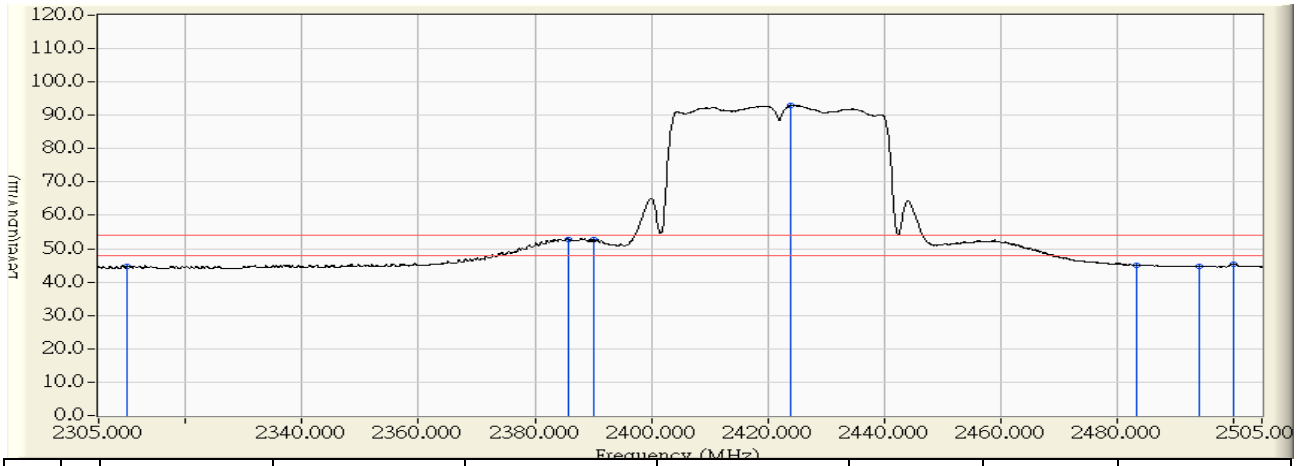


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	27.028	55.812	-18.188	74.000	PEAK
2		2389.400	29.740	36.945	66.685	-7.315	74.000	PEAK
3		2390.000	29.747	35.313	65.060	-8.940	74.000	PEAK
4	*	2424.100	30.158	76.857	107.015	33.015	74.000	PEAK
5		2483.500	30.830	26.684	57.514	-16.486	74.000	PEAK
6		2497.000	30.860	27.444	58.305	-15.695	74.000	PEAK
7		2500.000	30.860	26.289	57.148	-16.852	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/01/14 - 16:36**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(40M) 2422MHz**

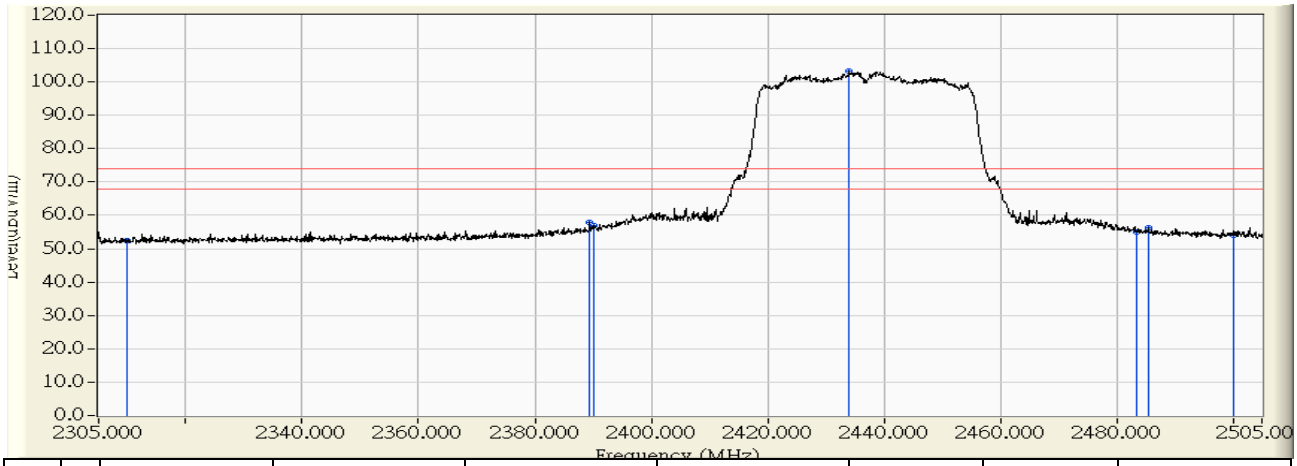


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	15.815	44.599	-9.401	54.000	AVERAGE
2		2385.700	29.696	23.199	52.894	-1.106	54.000	AVERAGE
3		2390.000	29.747	23.001	52.748	-1.252	54.000	AVERAGE
4	*	2424.100	30.158	62.784	92.942	38.942	54.000	AVERAGE
5		2483.500	30.830	14.191	45.021	-8.979	54.000	AVERAGE
6		2494.200	30.857	13.934	44.791	-9.209	54.000	AVERAGE
7		2500.000	30.860	14.612	45.471	-8.529	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2016/01/14 - 16:22**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1** **802.11n(40M) 2437MHz**

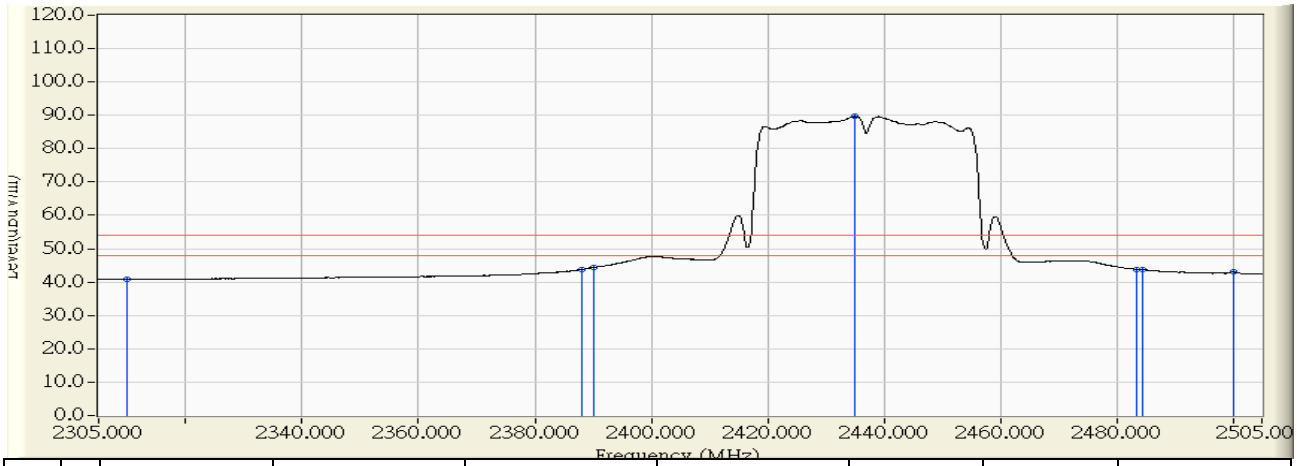


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	24.445	52.575	-21.425	74.000	PEAK
2		2389.400	28.927	28.862	57.789	-16.211	74.000	PEAK
3		2390.000	28.933	27.917	56.850	-17.150	74.000	PEAK
4	*	2434.100	29.376	73.900	103.276	29.276	74.000	PEAK
5		2483.500	29.829	25.296	55.125	-18.875	74.000	PEAK
6		2485.500	29.830	26.435	56.265	-17.735	74.000	PEAK
7		2500.000	29.826	24.338	54.163	-19.837	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/01/14 - 16:21**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1** **802.11n(40M) 2437MHz**

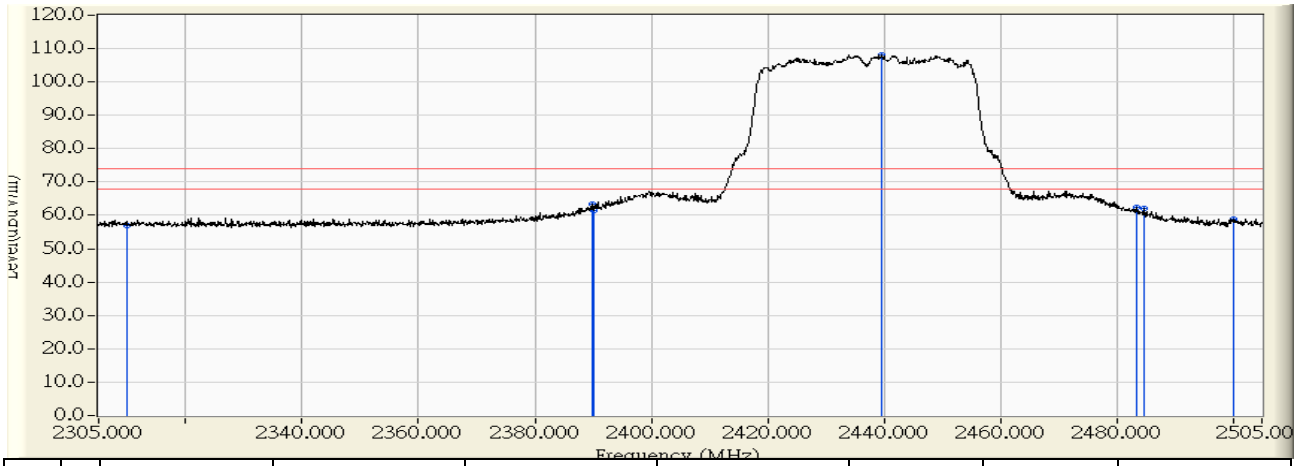


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	12.674	40.804	-13.196	54.000	AVERAGE
2		2388.200	28.915	14.873	43.788	-10.212	54.000	AVERAGE
3		2390.000	28.933	15.442	44.375	-9.625	54.000	AVERAGE
4	*	2435.000	29.385	60.221	89.606	35.606	54.000	AVERAGE
5		2483.500	29.829	14.085	43.914	-10.086	54.000	AVERAGE
6		2484.400	29.830	13.939	43.768	-10.232	54.000	AVERAGE
7		2500.000	29.826	13.165	42.990	-11.010	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2016/01/14 - 16:32**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1** **802.11n(40M) 2437MHz**

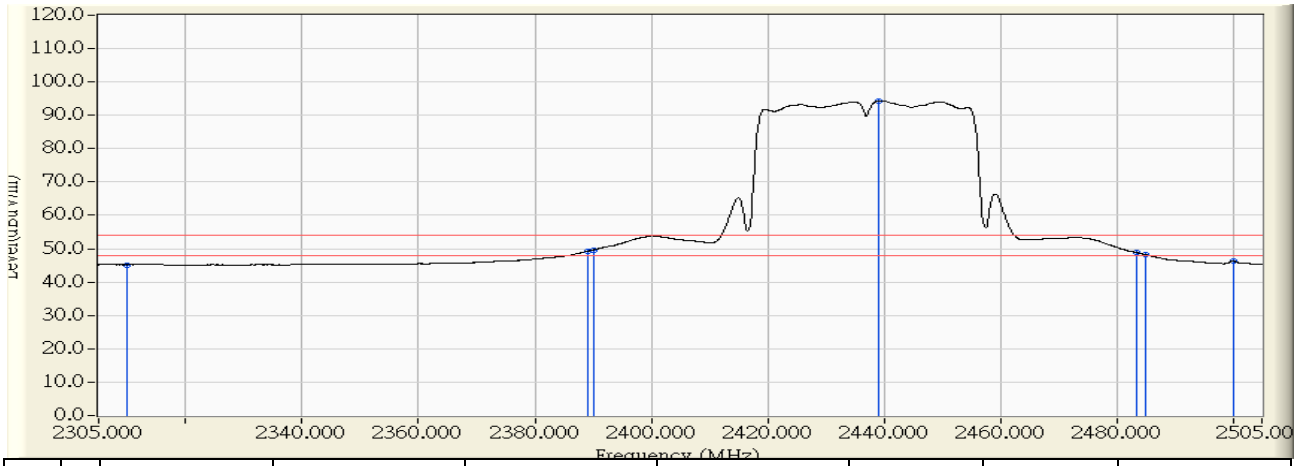


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	28.115	56.899	-17.101	74.000	PEAK
2		2389.900	29.746	33.543	63.289	-10.711	74.000	PEAK
3		2390.000	29.747	31.771	61.518	-12.482	74.000	PEAK
4	*	2439.500	30.343	77.862	108.205	34.205	74.000	PEAK
5		2483.500	30.830	31.463	62.293	-11.707	74.000	PEAK
6		2484.700	30.833	31.198	62.031	-11.969	74.000	PEAK
7		2500.000	30.860	27.906	58.765	-15.235	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/01/14 - 16:33**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(40M) 2437MHz**

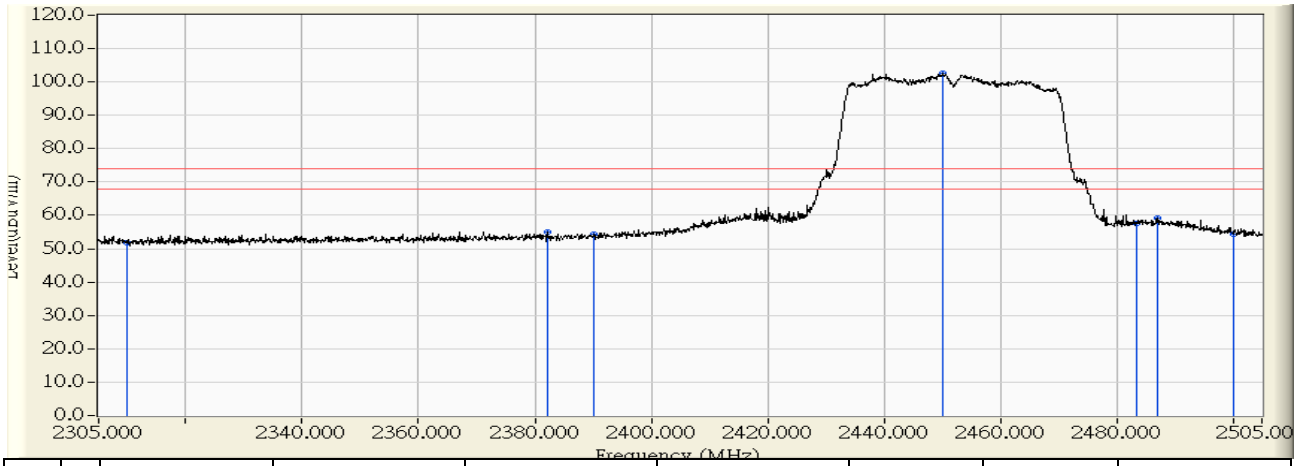


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	16.398	45.182	-8.818	54.000	AVERAGE
2		2389.100	29.736	19.546	49.282	-4.718	54.000	AVERAGE
3		2390.000	29.747	19.949	49.696	-4.304	54.000	AVERAGE
4	*	2439.200	30.340	64.011	94.351	40.351	54.000	AVERAGE
5		2483.500	30.830	18.000	48.830	-5.170	54.000	AVERAGE
6		2484.900	30.833	17.451	48.285	-5.715	54.000	AVERAGE
7		2500.000	30.860	15.536	46.395	-7.605	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2016/01/14 - 16:23**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(40M) 2452MHz**

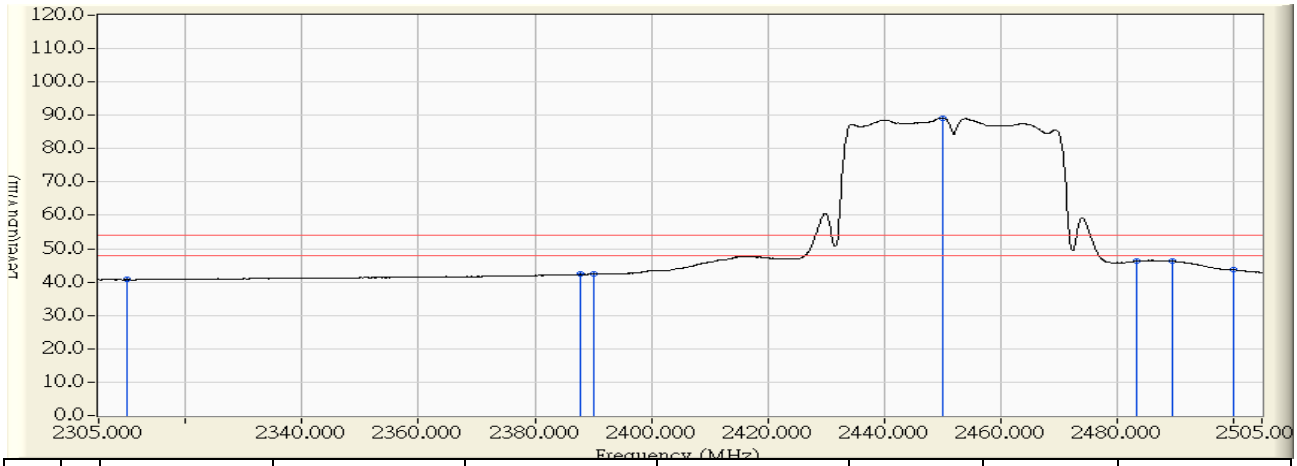


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	23.545	51.675	-22.325	74.000	PEAK
2		2382.300	28.856	26.284	55.140	-18.860	74.000	PEAK
3		2390.000	28.933	25.548	54.481	-19.519	74.000	PEAK
4	*	2450.100	29.537	73.029	102.566	28.566	74.000	PEAK
5		2483.500	29.829	27.649	57.478	-16.522	74.000	PEAK
6		2487.000	29.831	29.272	59.103	-14.897	74.000	PEAK
7		2500.000	29.826	24.693	54.518	-19.482	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/01/14 - 16:24**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1** **802.11n(40M) 2452MHz**

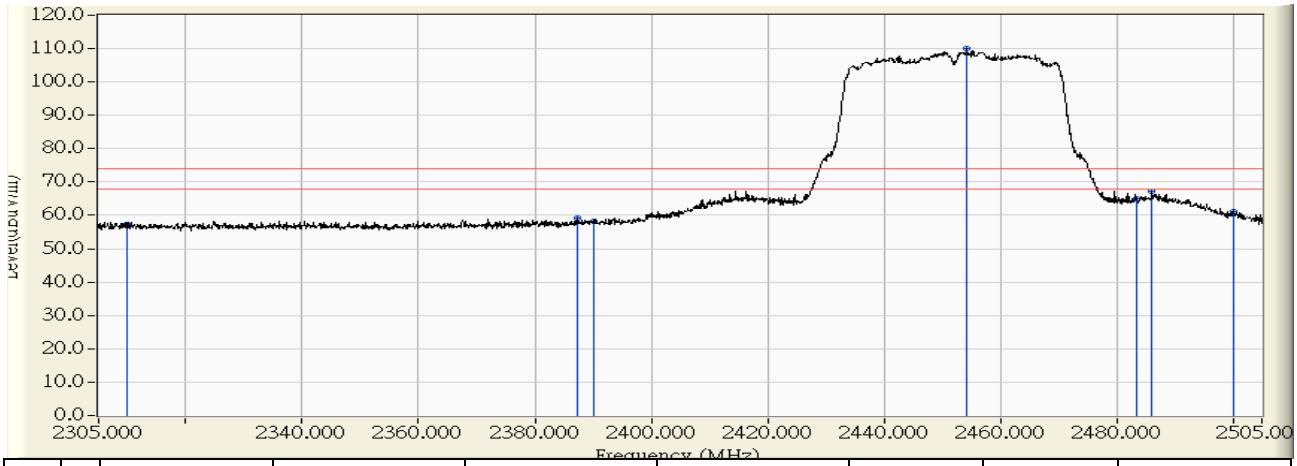


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	12.613	40.743	-13.257	54.000	AVERAGE
2		2387.700	28.910	13.400	42.310	-11.690	54.000	AVERAGE
3		2390.000	28.933	13.433	42.366	-11.634	54.000	AVERAGE
4	*	2450.200	29.538	59.596	89.134	35.134	54.000	AVERAGE
5		2483.500	29.829	16.417	46.246	-7.754	54.000	AVERAGE
6		2489.500	29.832	16.439	46.271	-7.729	54.000	AVERAGE
7		2500.000	29.826	14.070	43.895	-10.105	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2016/01/14 - 16:30**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(40M) 2452MHz**

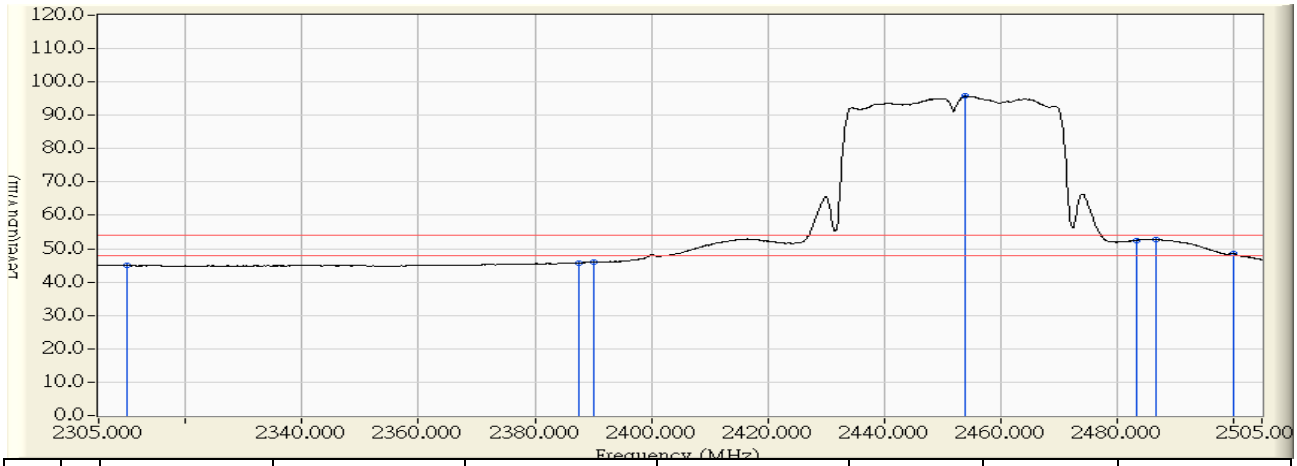


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	28.496	57.280	-16.720	74.000	PEAK
2		2387.200	29.713	29.640	59.353	-14.647	74.000	PEAK
3		2390.000	29.747	28.438	58.185	-15.815	74.000	PEAK
4	*	2454.300	30.521	79.565	110.086	36.086	74.000	PEAK
5		2483.500	30.830	34.091	64.921	-9.079	74.000	PEAK
6		2486.100	30.837	36.538	67.375	-6.625	74.000	PEAK
7		2500.000	30.860	30.267	61.126	-12.874	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/01/14 - 16:29**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(40M) 2452MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	16.150	44.934	-9.066	54.000	AVERAGE
2		2387.500	29.717	16.051	45.768	-8.232	54.000	AVERAGE
3		2390.000	29.747	16.301	46.048	-7.952	54.000	AVERAGE
4	*	2454.100	30.519	65.212	95.731	41.731	54.000	AVERAGE
5		2483.500	30.830	21.705	52.535	-1.465	54.000	AVERAGE
6		2486.700	30.838	21.925	52.763	-1.237	54.000	AVERAGE
7		2500.000	30.860	17.690	48.549	-5.451	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. Occupied Bandwidth

7.1. Test Equipment

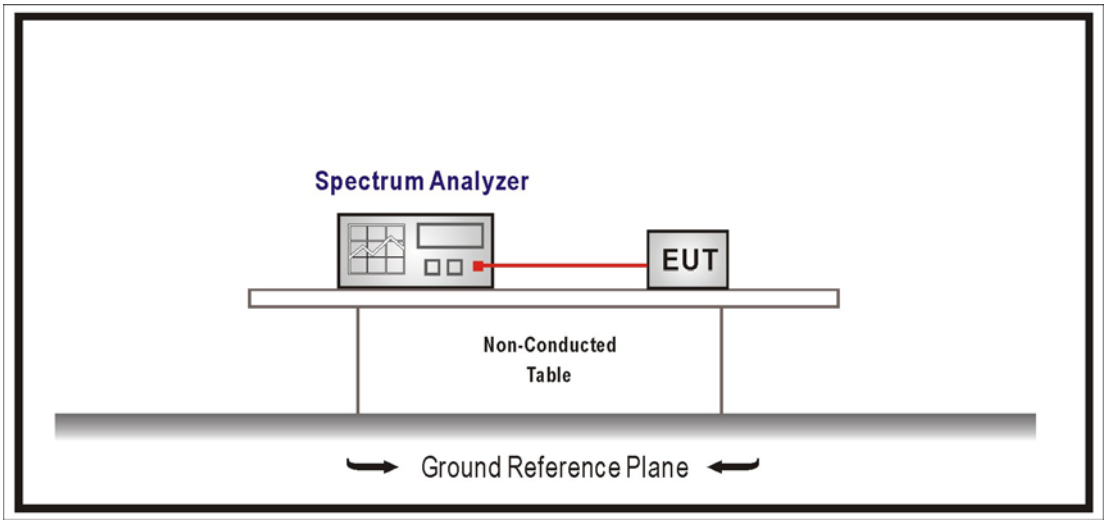
The following test equipments are used during the test:

Occupied Bandwidth / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2016/08/23

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

7.2. Test Setup



7.3. Test Procedures

The EUT was setup according to ANSI C63.4: 2009; tested according to DTS test procedure of Jan. 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.
Set RBW = 100 kHz, Span greater than RBW.

7.4. Limits

The 6 dB bandwidth must be greater than 500 kHz.

7.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2011

7.6. Uncertainty

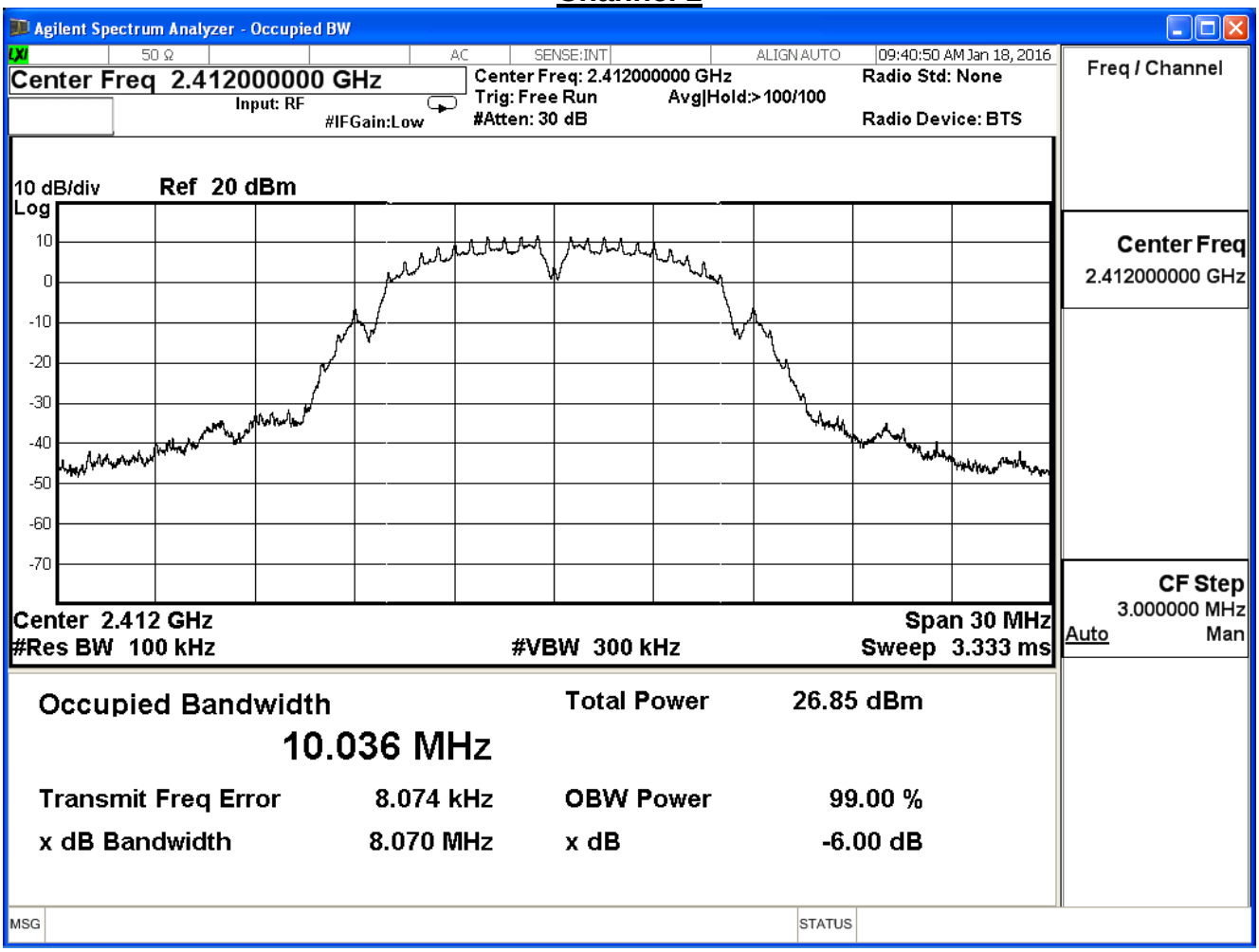
The measurement uncertainty is defined as ±150Hz

7.7. Test Result

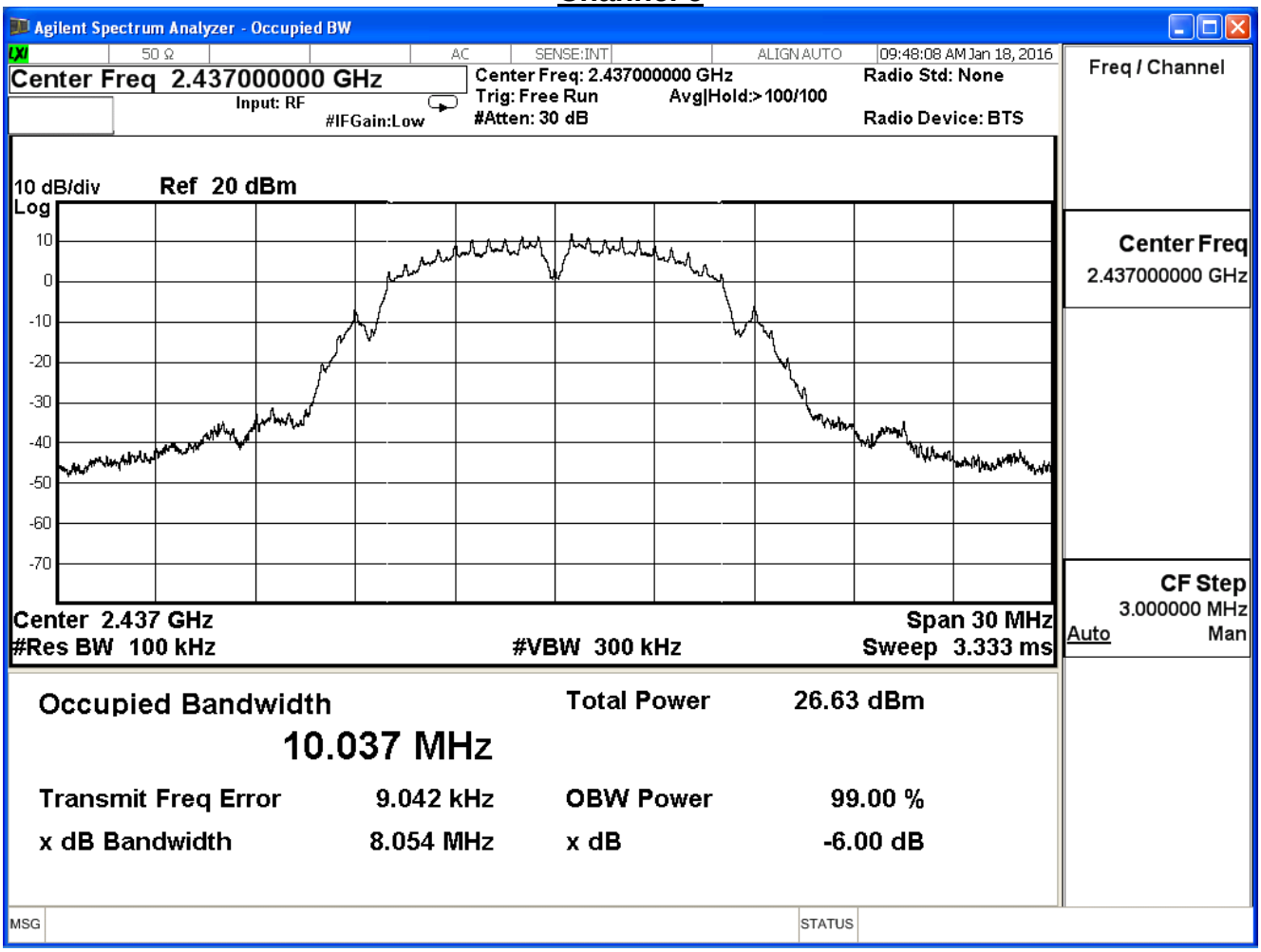
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/01/18	Test Site	SR7

IEEE802.11 b				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	8.070	≧0.5	Pass
6	2437	8.054	≧0.5	Pass
11	2462	8.066	≧0.5	Pass

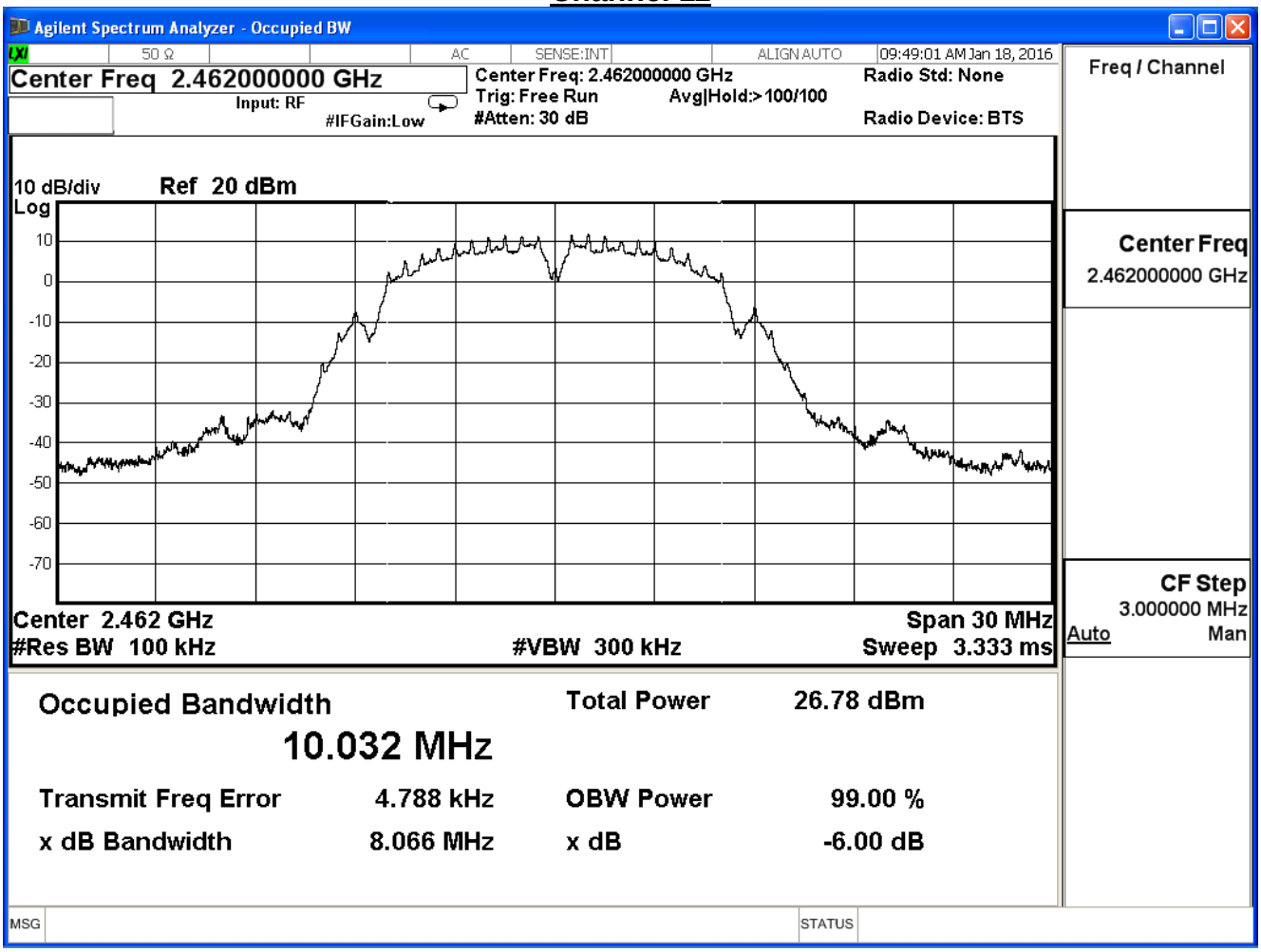
Channel 1



Channel 6


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:48:08 AM Jan 18, 2016
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 30 MHz
Sweep 3.333 ms
CF Step
3.000000 MHz
Auto
Man
Occupied Bandwidth
10.037 MHz
Total Power
26.63 dBm
Transmit Freq Error
9.042 kHz
OBW Power
99.00 %
x dB Bandwidth
8.054 MHz
x dB
-6.00 dB
MSG
STATUS

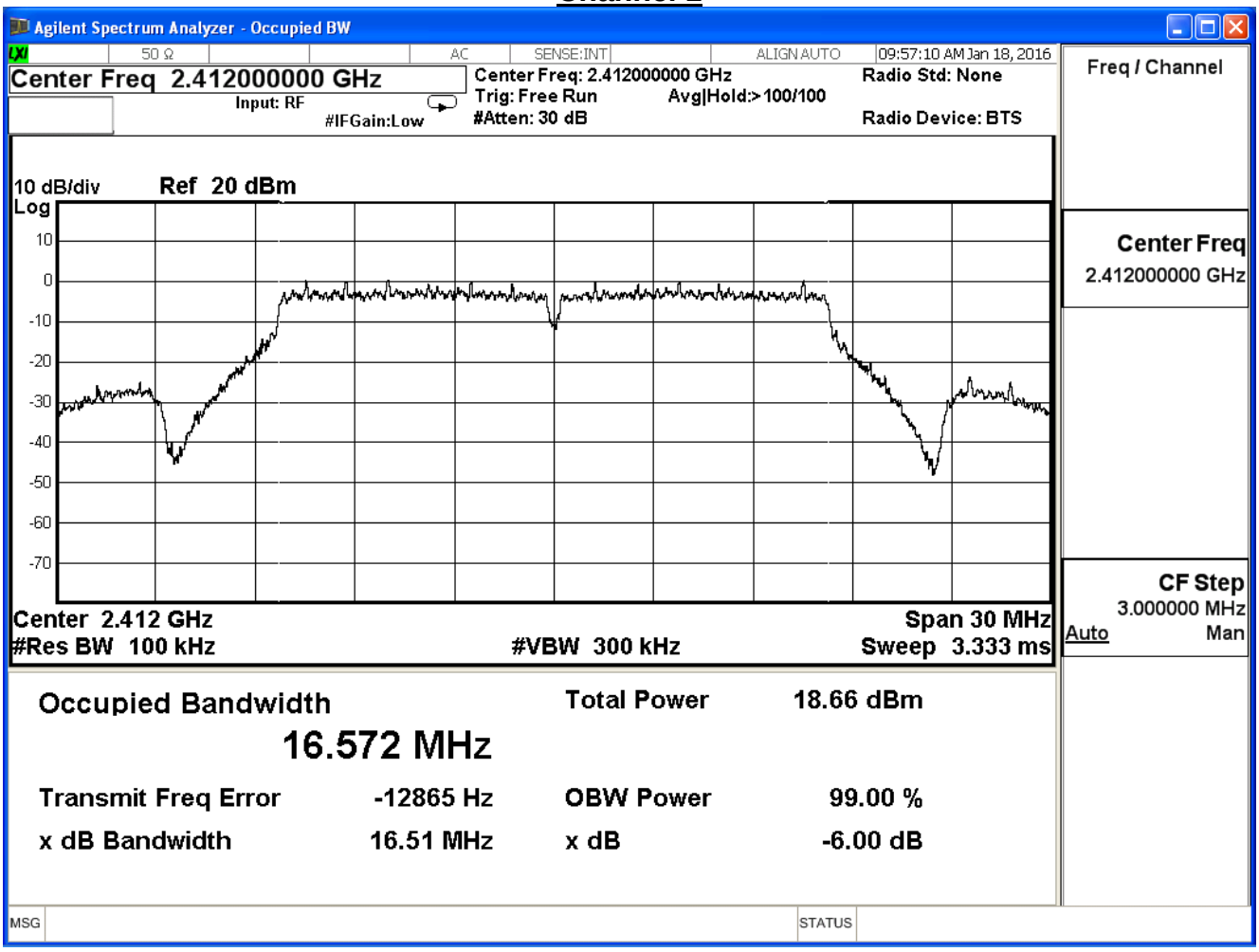
Channel 11


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:49:01 AM Jan 18, 2016
Center Freq 2.462000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 30 MHz
Sweep 3.333 ms
CF Step
3.000000 MHz
Auto
Man
Occupied Bandwidth
10.032 MHz
Total Power
26.78 dBm
Transmit Freq Error
4.788 kHz
OBW Power
99.00 %
x dB Bandwidth
8.066 MHz
x dB
-6.00 dB
MSG
STATUS

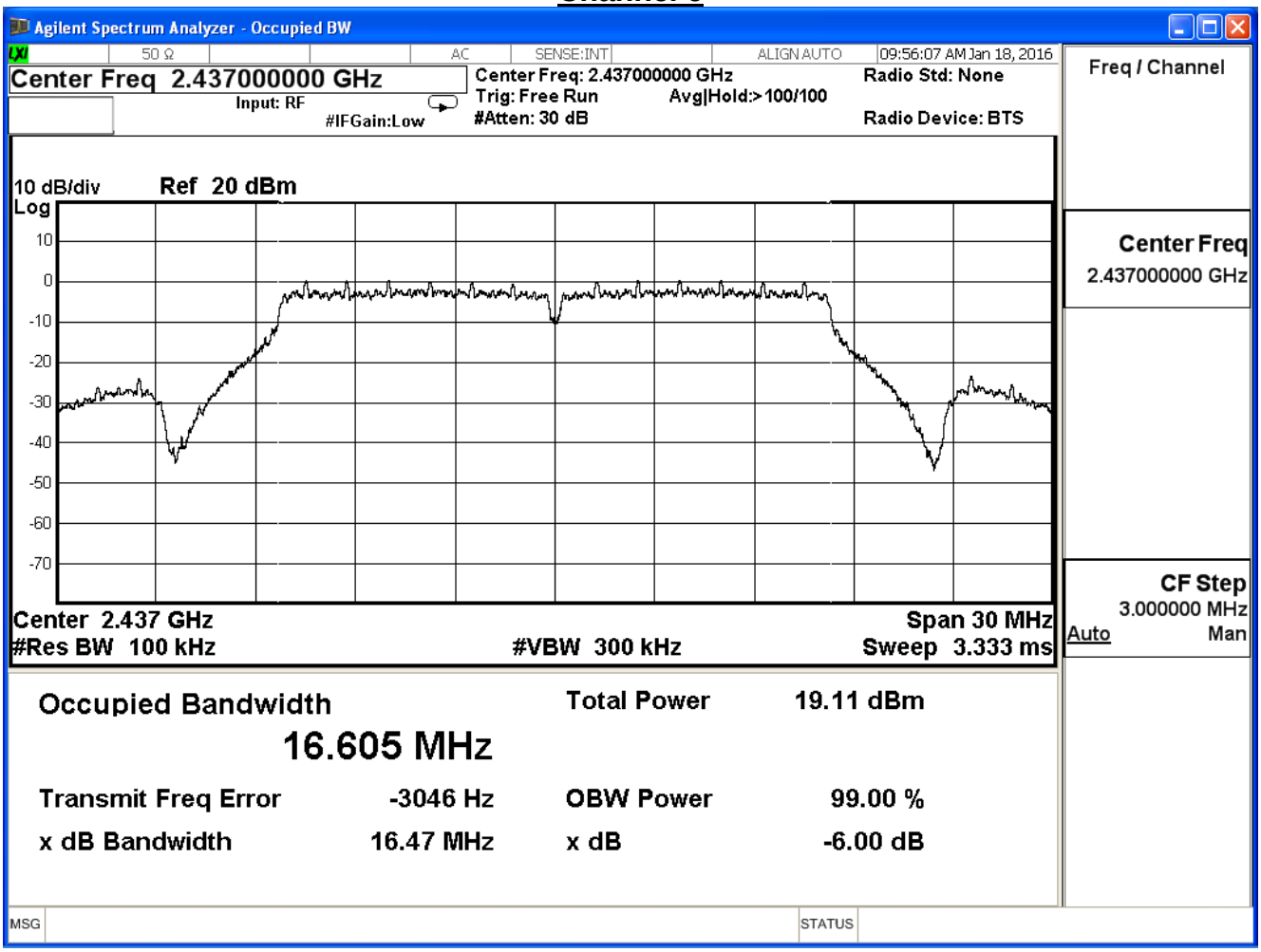
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/01/18	Test Site	SR7

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	16.510	≧0.5	Pass
6	2437	16.470	≧0.5	Pass
11	2462	16.460	≧0.5	Pass

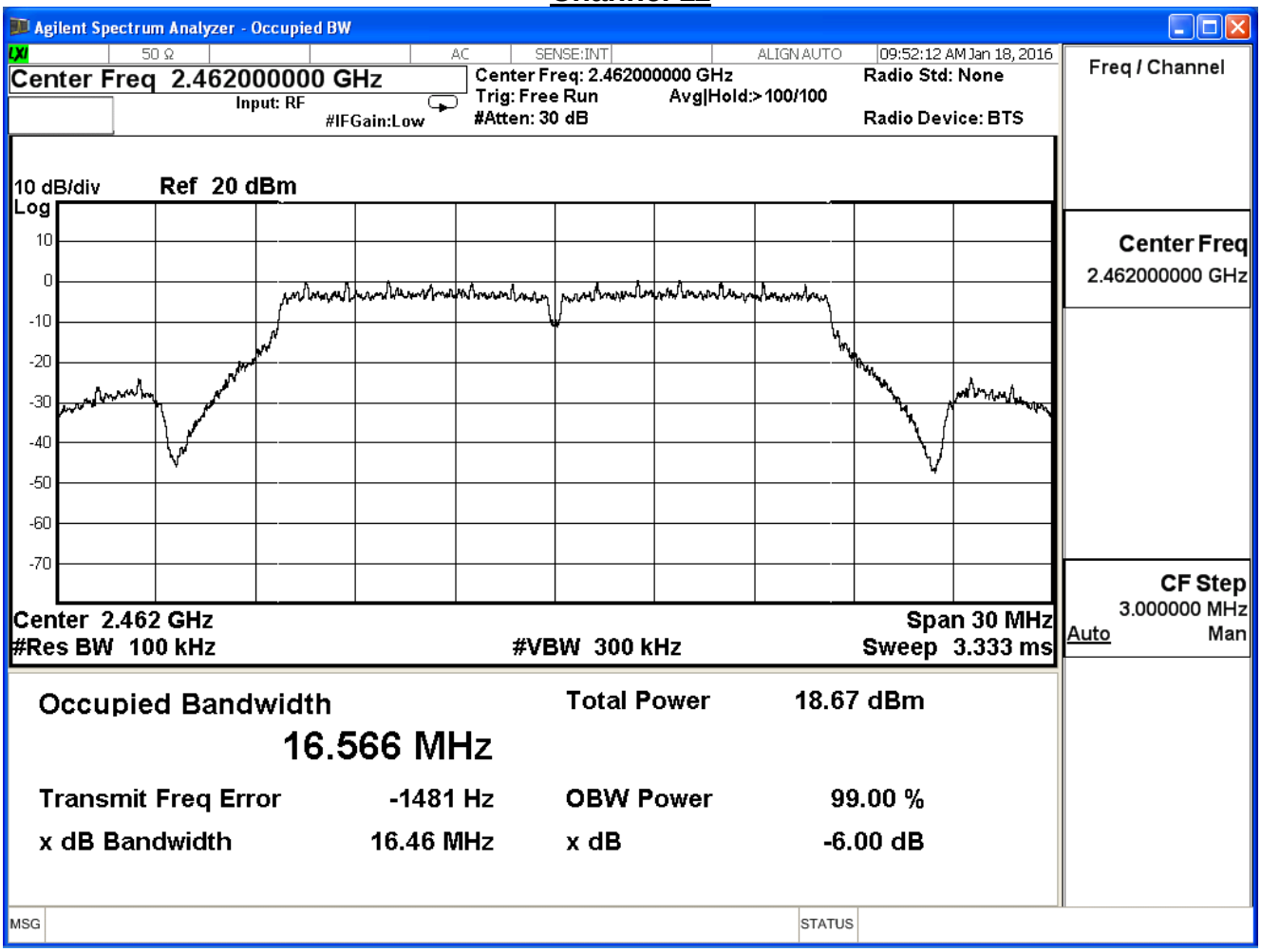
Channel 1



Channel 6


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:56:07 AM Jan 18, 2016
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 30 MHz
Sweep 3.333 ms
CF Step
3.000000 MHz
Auto
Man
Occupied Bandwidth
16.605 MHz
Total Power
19.11 dBm
Transmit Freq Error
-3046 Hz
OBW Power
99.00 %
x dB Bandwidth
16.47 MHz
x dB
-6.00 dB
MSG
STATUS

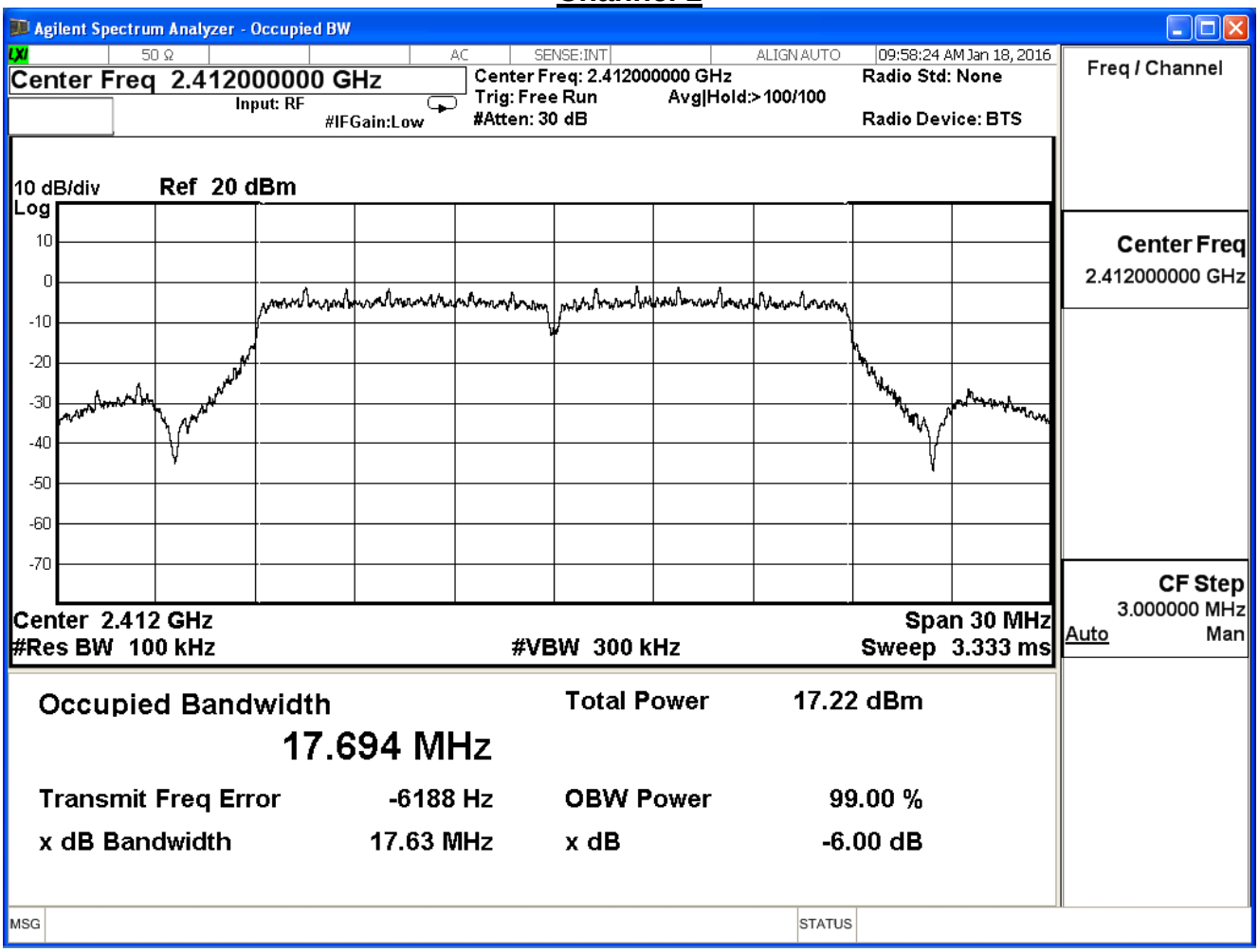
Channel 11


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:52:12 AM Jan 18, 2016
Center Freq 2.462000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 30 MHz
Sweep 3.333 ms
CF Step
3.000000 MHz
Auto
Man
Occupied Bandwidth
16.566 MHz
Total Power
18.67 dBm
Transmit Freq Error
-1481 Hz
OBW Power
99.00 %
x dB Bandwidth
16.46 MHz
x dB
-6.00 dB
MSG
STATUS

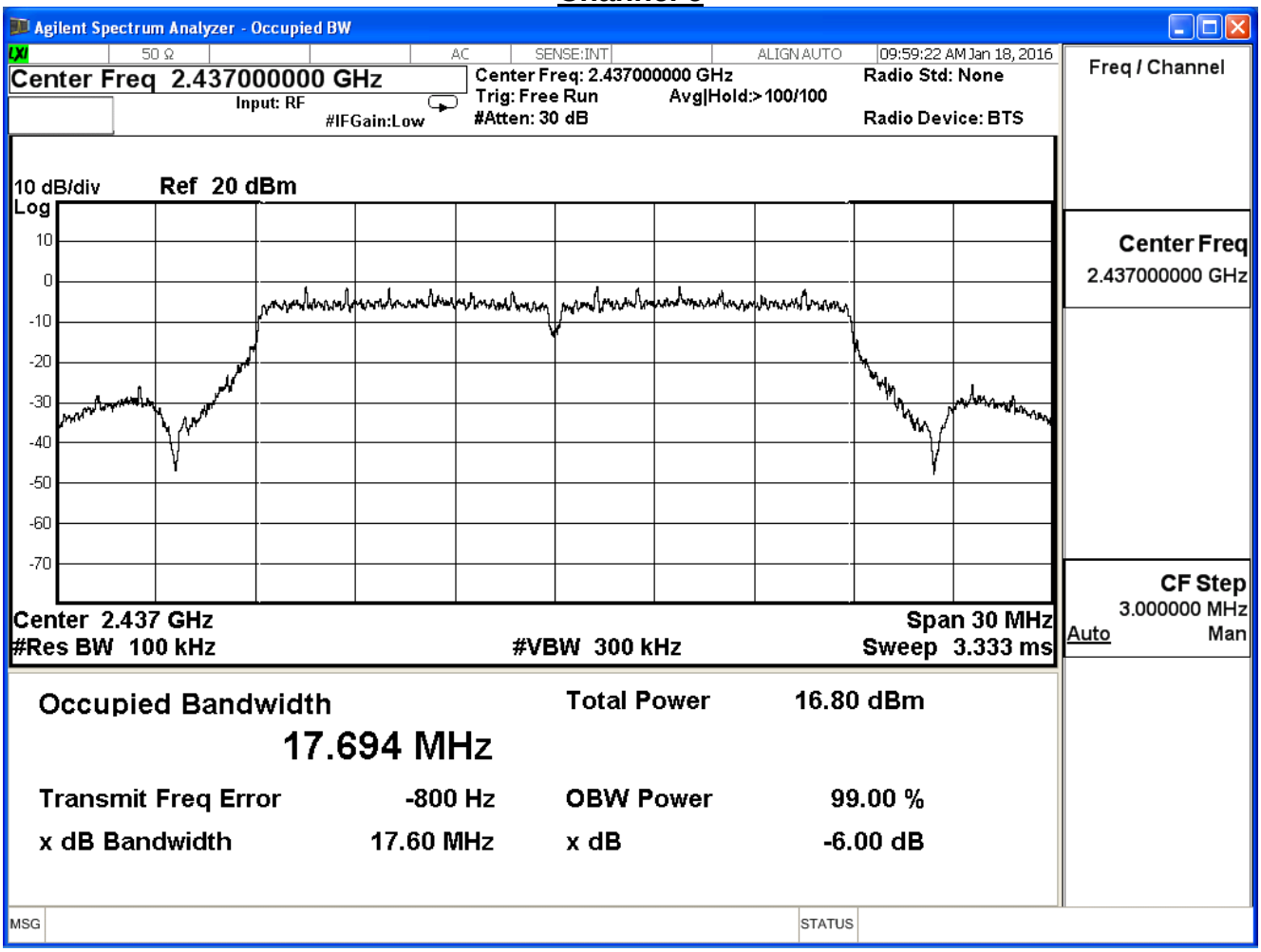
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/01/18	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	17.630	≧0.5	Pass
6	2437	17.600	≧0.5	Pass
11	2462	17.620	≧0.5	Pass

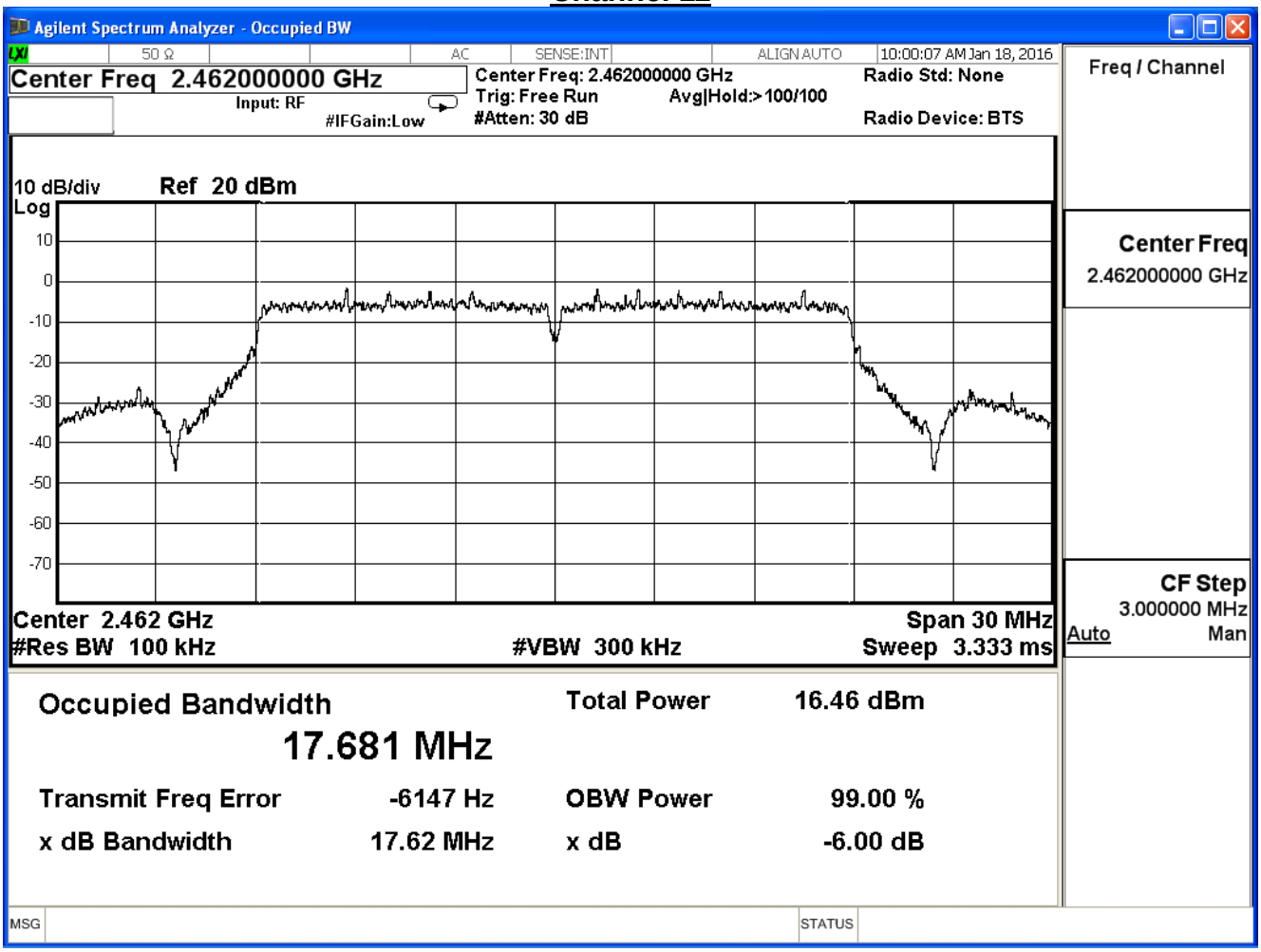
Channel 1



Channel 6


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:59:22 AM Jan 18, 2016
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 30 MHz
Sweep 3.333 ms
CF Step
3.000000 MHz
Auto
Man
Occupied Bandwidth
17.694 MHz
Total Power
16.80 dBm
Transmit Freq Error
-800 Hz
OBW Power
99.00 %
x dB Bandwidth
17.60 MHz
x dB
-6.00 dB
MSG
STATUS

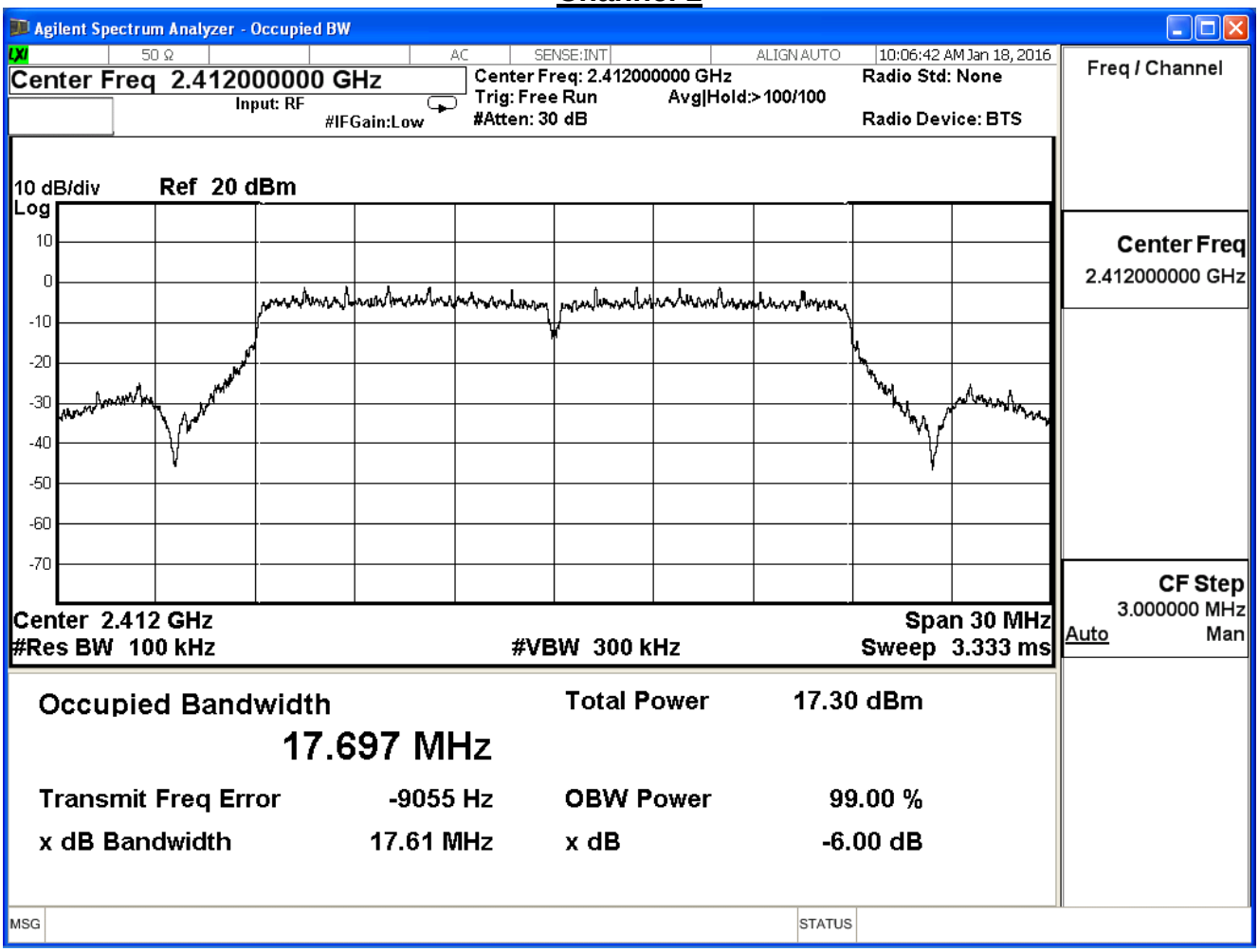
Channel 11


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:00:07 AM Jan 18, 2016
Center Freq 2.462000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 30 MHz
Sweep 3.333 ms
CF Step
3.000000 MHz
Auto
Man
Occupied Bandwidth
17.681 MHz
Total Power
16.46 dBm
Transmit Freq Error
-6147 Hz
OBW Power
99.00 %
x dB Bandwidth
17.62 MHz
x dB
-6.00 dB
MSG
STATUS

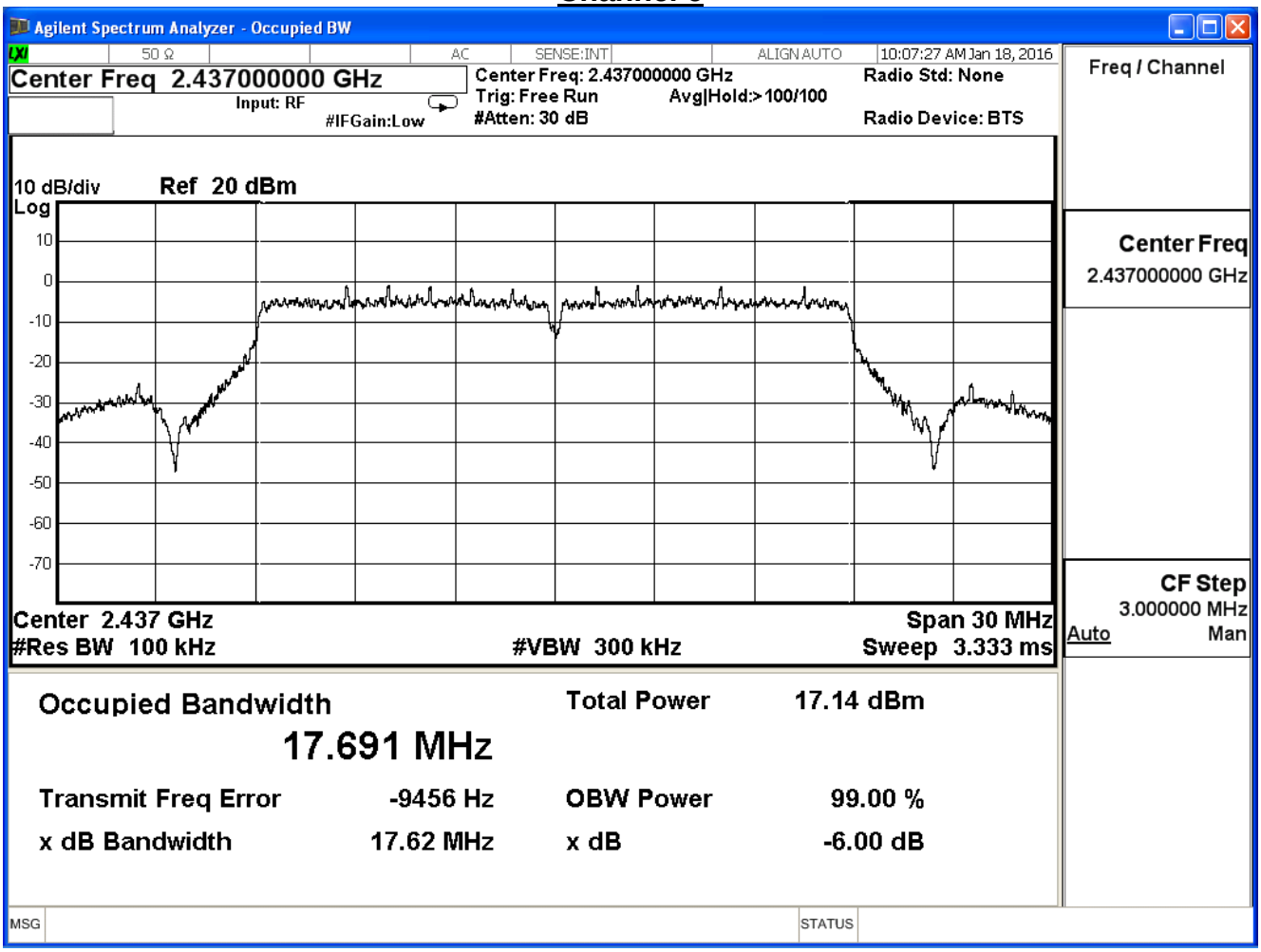
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/01/18	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	17.610	≧0.5	Pass
6	2437	17.620	≧0.5	Pass
11	2462	17.630	≧0.5	Pass

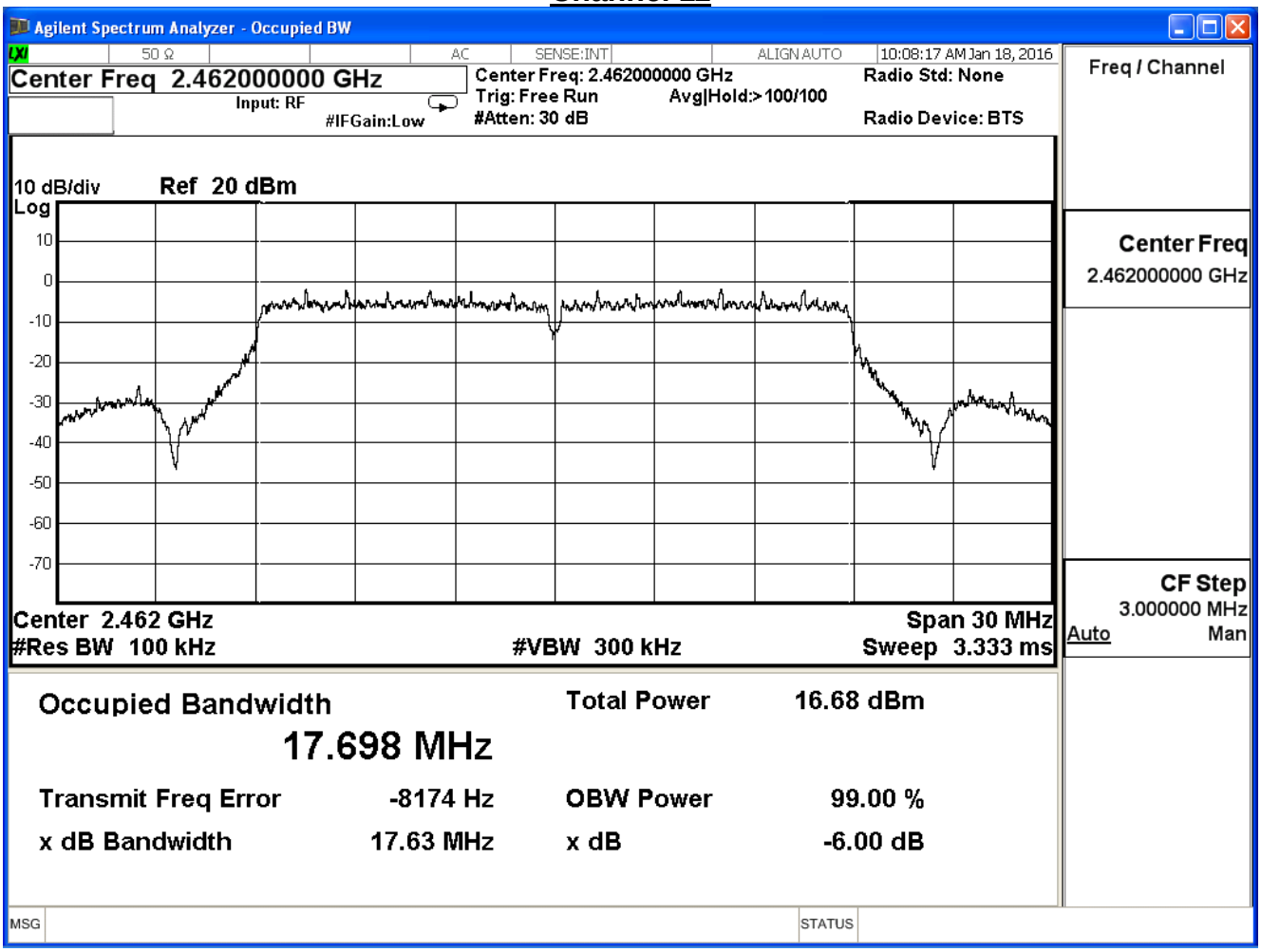
Channel 1



Channel 6


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:07:27 AM Jan 18, 2016
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 30 MHz
Sweep 3.333 ms
CF Step
3.000000 MHz
Auto
Man
Occupied Bandwidth
17.691 MHz
Total Power
17.14 dBm
Transmit Freq Error
-9456 Hz
OBW Power
99.00 %
x dB Bandwidth
17.62 MHz
x dB
-6.00 dB
MSG
STATUS

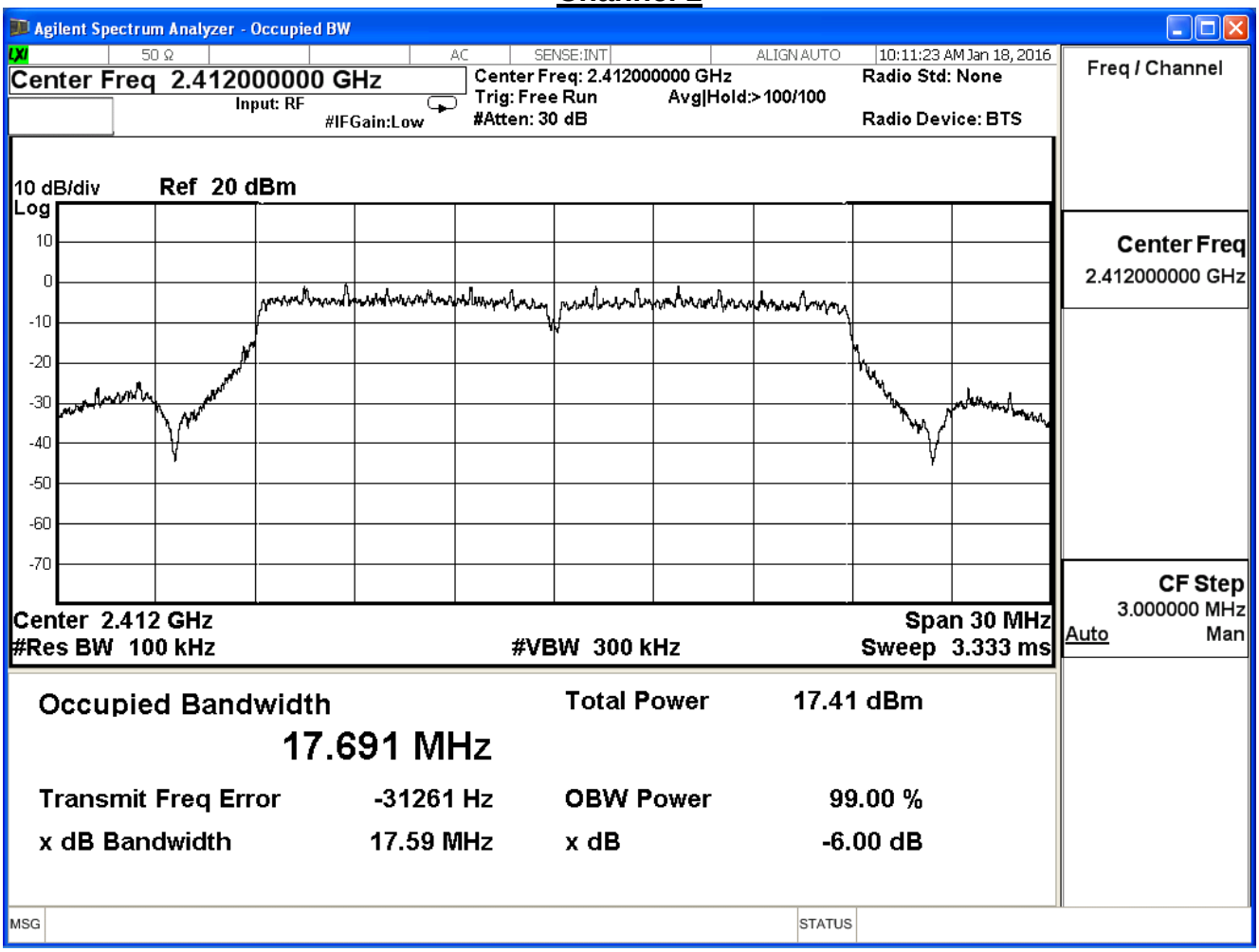
Channel 11


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:08:17 AM Jan 18, 2016
Center Freq 2.462000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 30 MHz
Sweep 3.333 ms
CF Step
3.000000 MHz
Auto
Man
Occupied Bandwidth
17.698 MHz
Total Power
16.68 dBm
Transmit Freq Error
-8174 Hz
OBW Power
99.00 %
x dB Bandwidth
17.63 MHz
x dB
-6.00 dB
MSG
STATUS

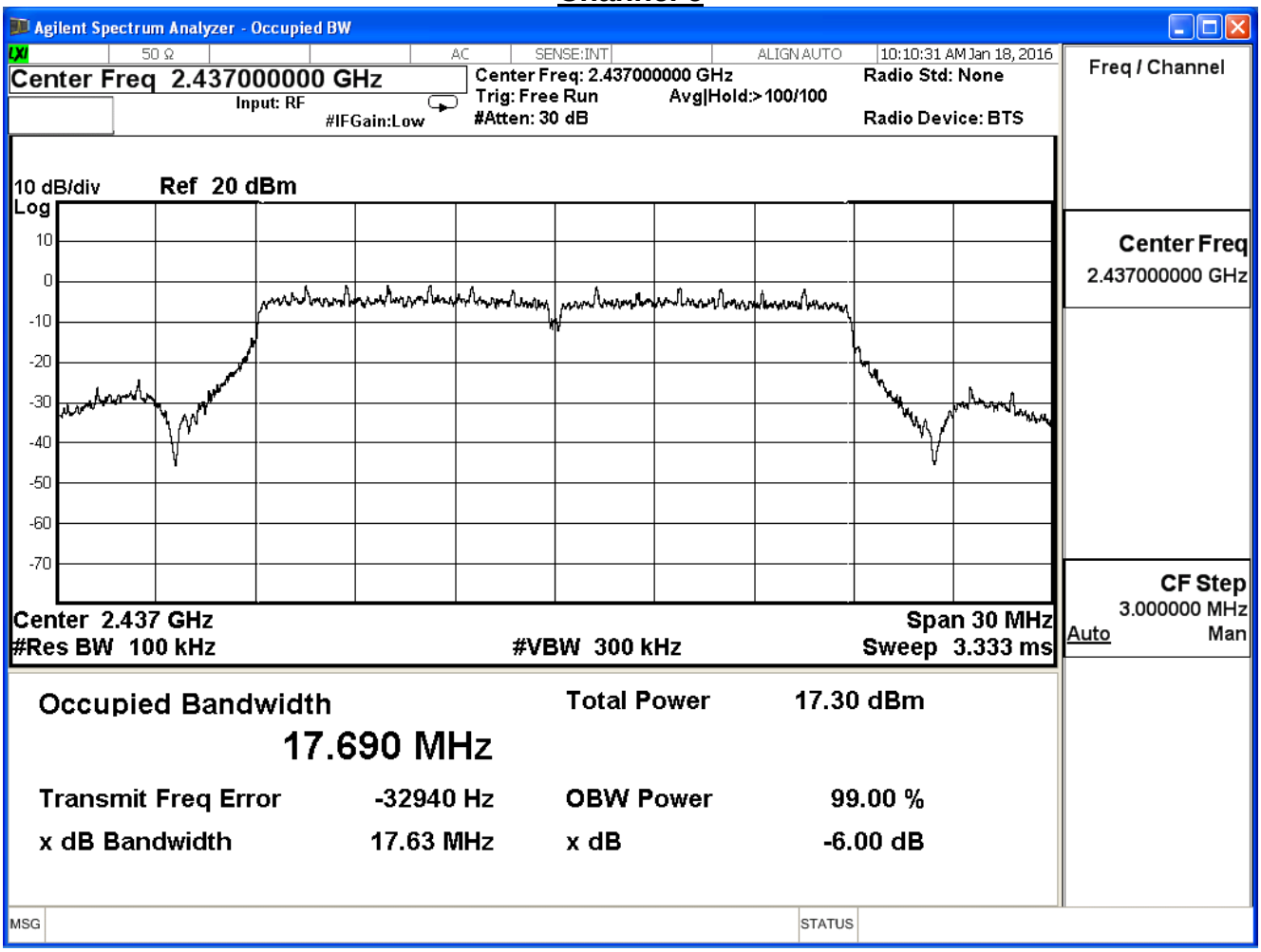
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/01/18	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	17.590	≧0.5	Pass
6	2437	17.630	≧0.5	Pass
11	2462	17.600	≧0.5	Pass

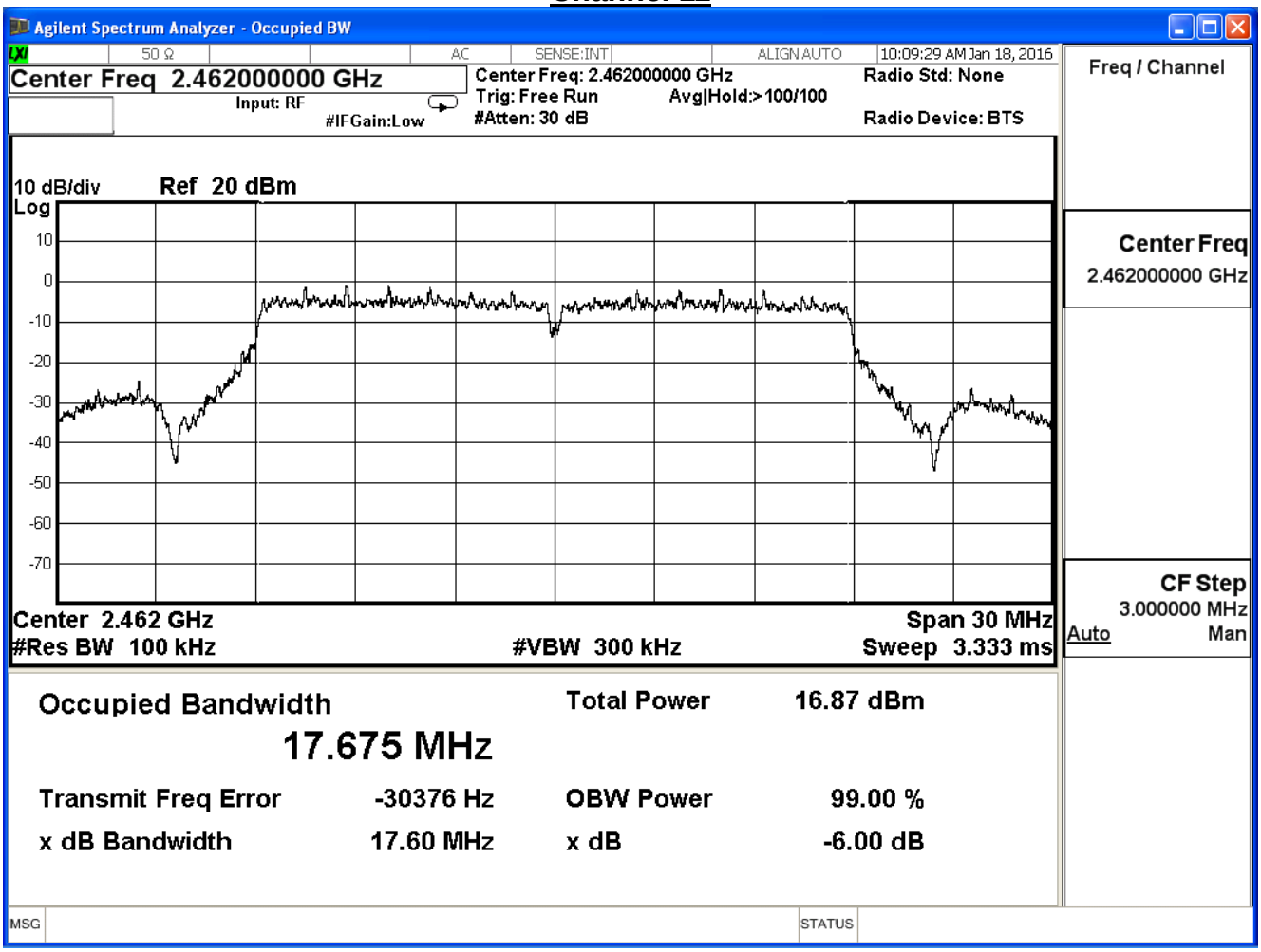
Channel 1



Channel 6


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:10:31 AM Jan 18, 2016
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 30 MHz
Sweep 3.333 ms
CF Step
3.000000 MHz
Auto
Man
Occupied Bandwidth
17.690 MHz
Total Power
17.30 dBm
Transmit Freq Error
-32940 Hz
OBW Power
99.00 %
x dB Bandwidth
17.63 MHz
x dB
-6.00 dB
MSG
STATUS

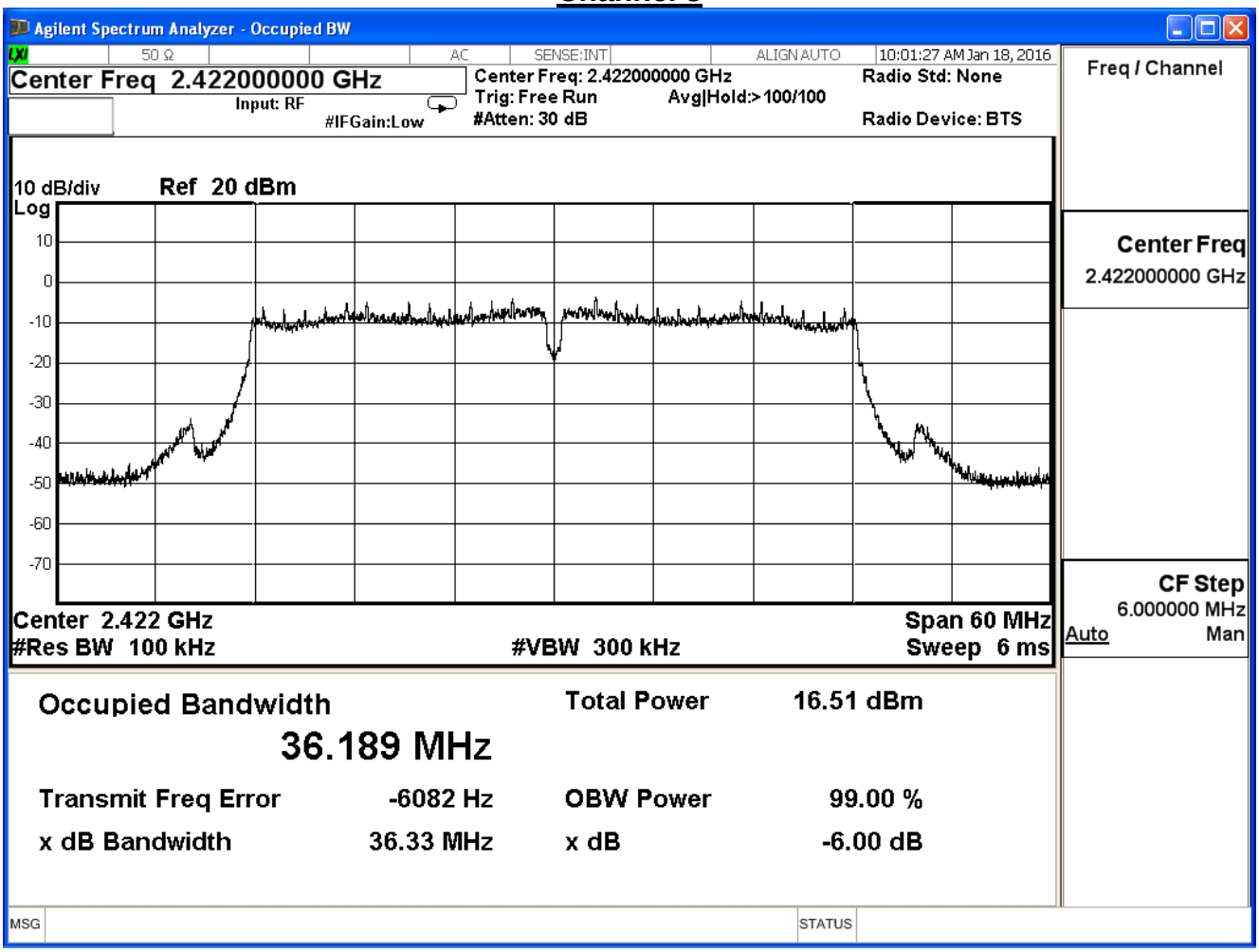
Channel 11


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:09:29 AM Jan 18, 2016
Center Freq 2.462000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 30 MHz
Sweep 3.333 ms
CF Step
3.000000 MHz
Auto
Man
Occupied Bandwidth
17.675 MHz
Total Power
16.87 dBm
Transmit Freq Error
-30376 Hz
OBW Power
99.00 %
x dB Bandwidth
17.60 MHz
x dB
-6.00 dB
MSG
STATUS

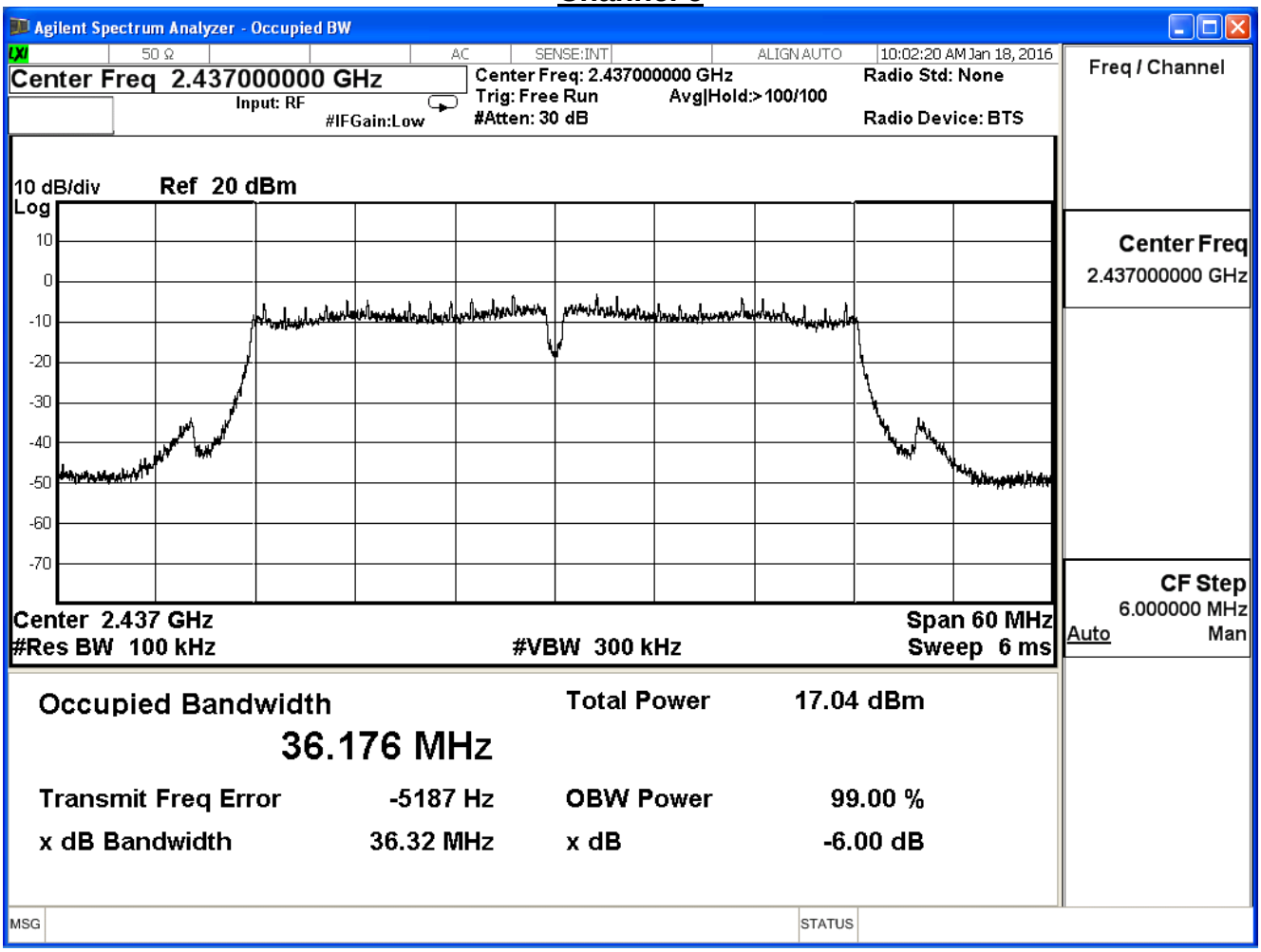
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/01/18	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
3	2422	36.330	≧0.5	Pass
6	2437	36.320	≧0.5	Pass
9	2452	36.310	≧0.5	Pass

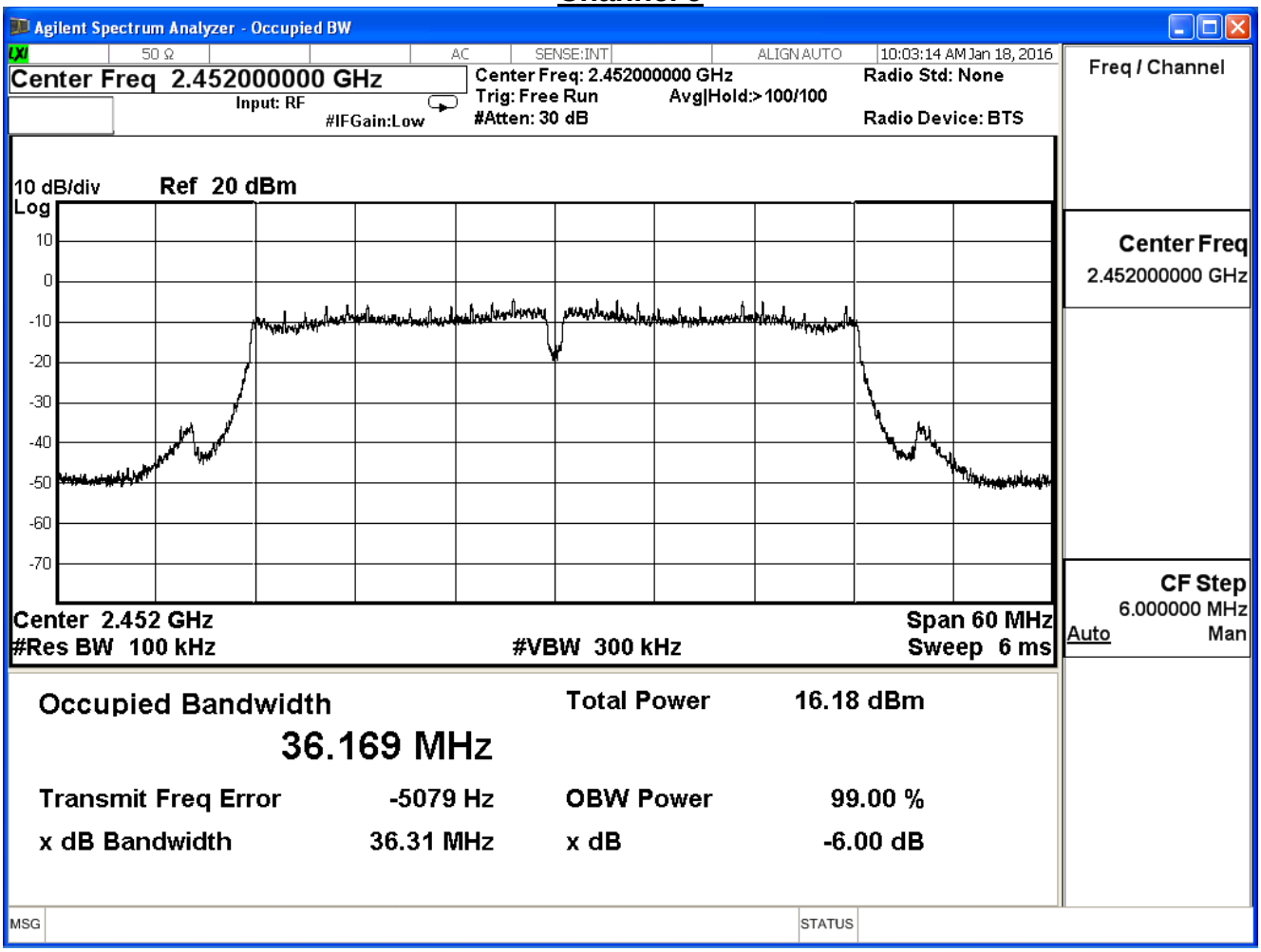
Channel 3



Channel 6


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:02:20 AM Jan 18, 2016
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 60 MHz
Sweep 6 ms
CF Step
6.000000 MHz
Auto
Man
Occupied Bandwidth
36.176 MHz
Total Power
17.04 dBm
Transmit Freq Error
-5187 Hz
OBW Power
99.00 %
x dB Bandwidth
36.32 MHz
x dB
-6.00 dB
MSG
STATUS

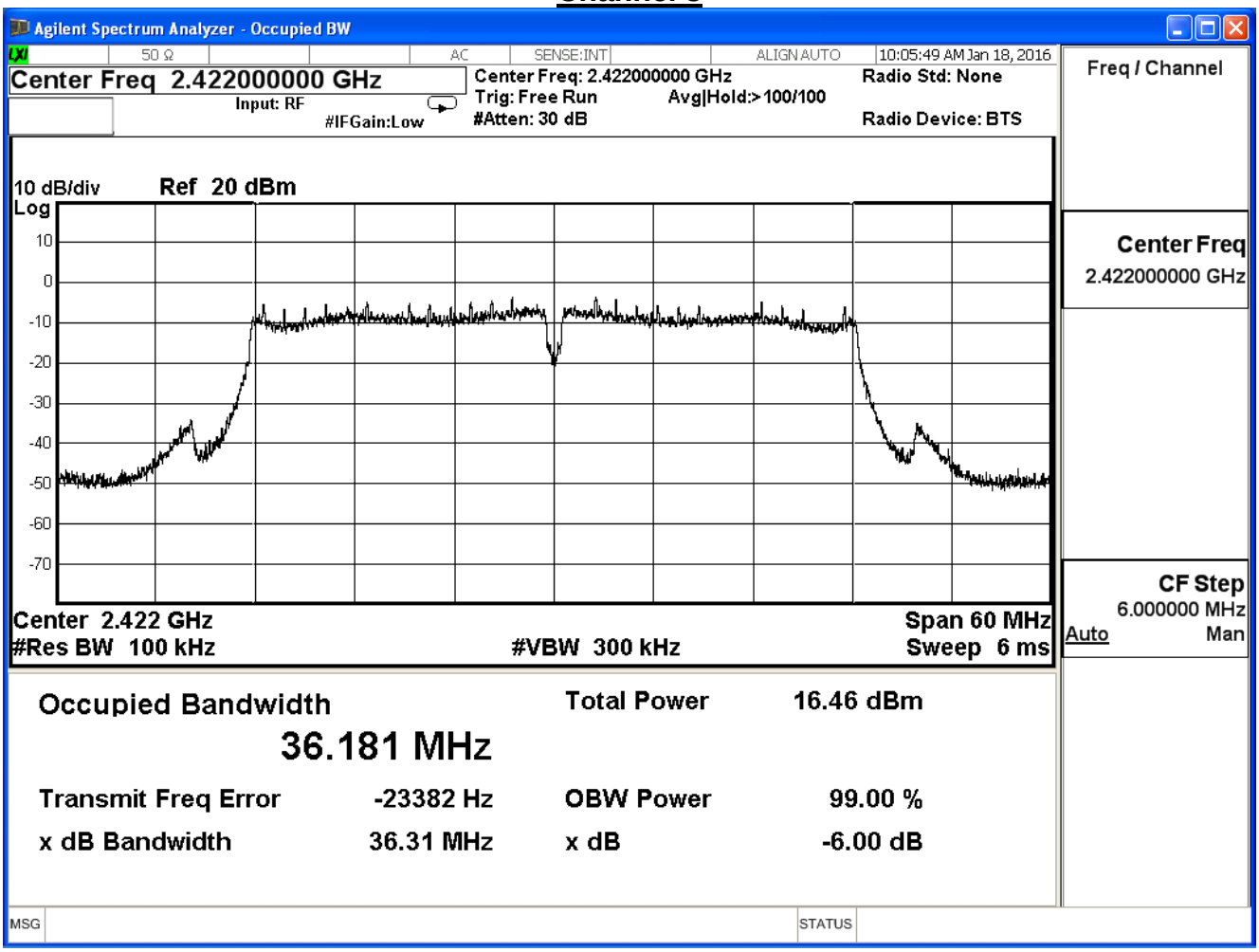
Channel 9


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:03:14 AM Jan 18, 2016
Center Freq 2.452000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.452000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.452000000 GHz
Center 2.452 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 60 MHz
Sweep 6 ms
CF Step
6.000000 MHz
Auto
Man
Occupied Bandwidth
36.169 MHz
Total Power
16.18 dBm
Transmit Freq Error
-5079 Hz
OBW Power
99.00 %
x dB Bandwidth
36.31 MHz
x dB
-6.00 dB
MSG
STATUS

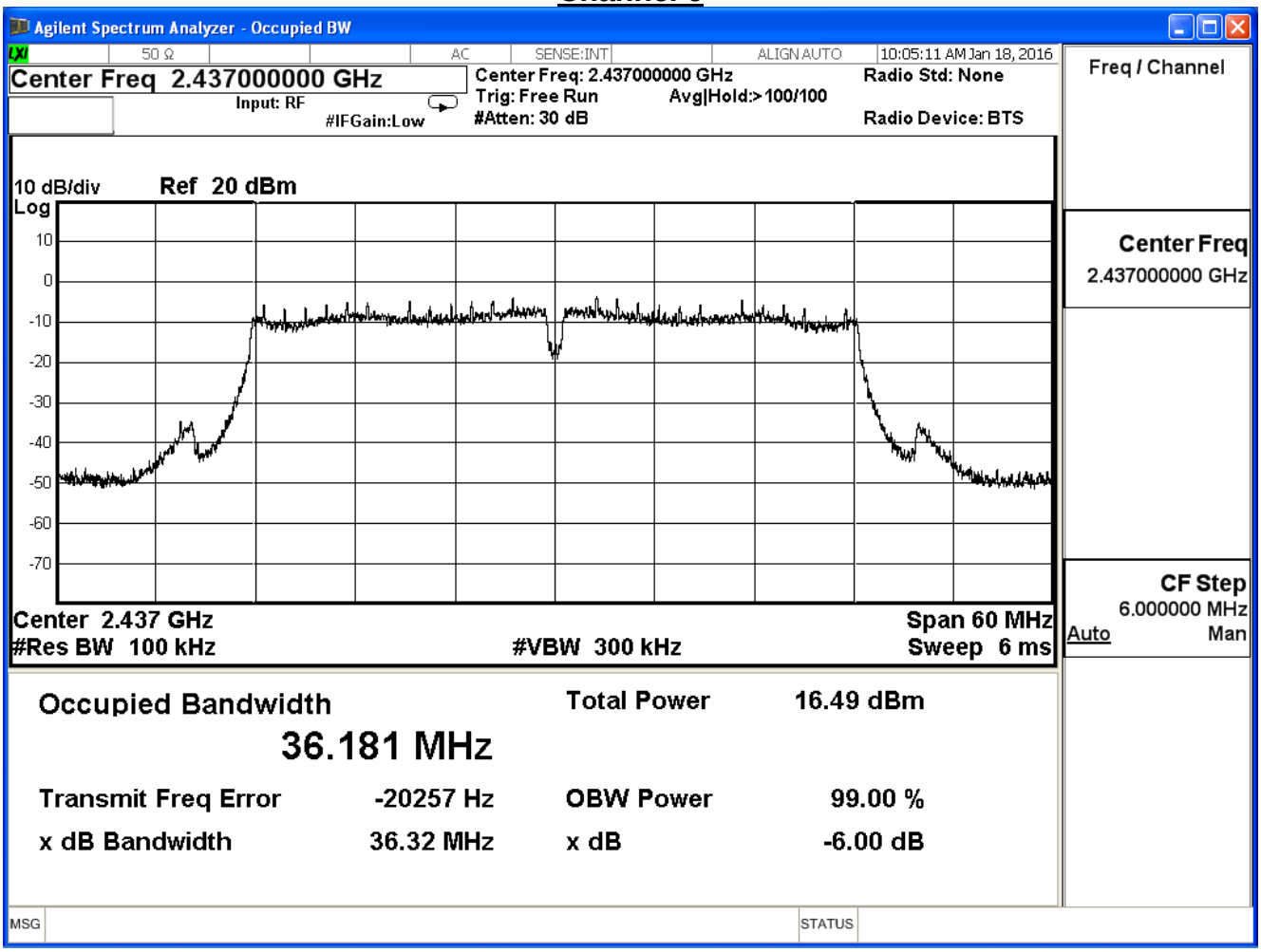
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/01/18	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
3	2422	36.310	≧0.5	Pass
6	2437	36.320	≧0.5	Pass
9	2452	36.330	≧0.5	Pass

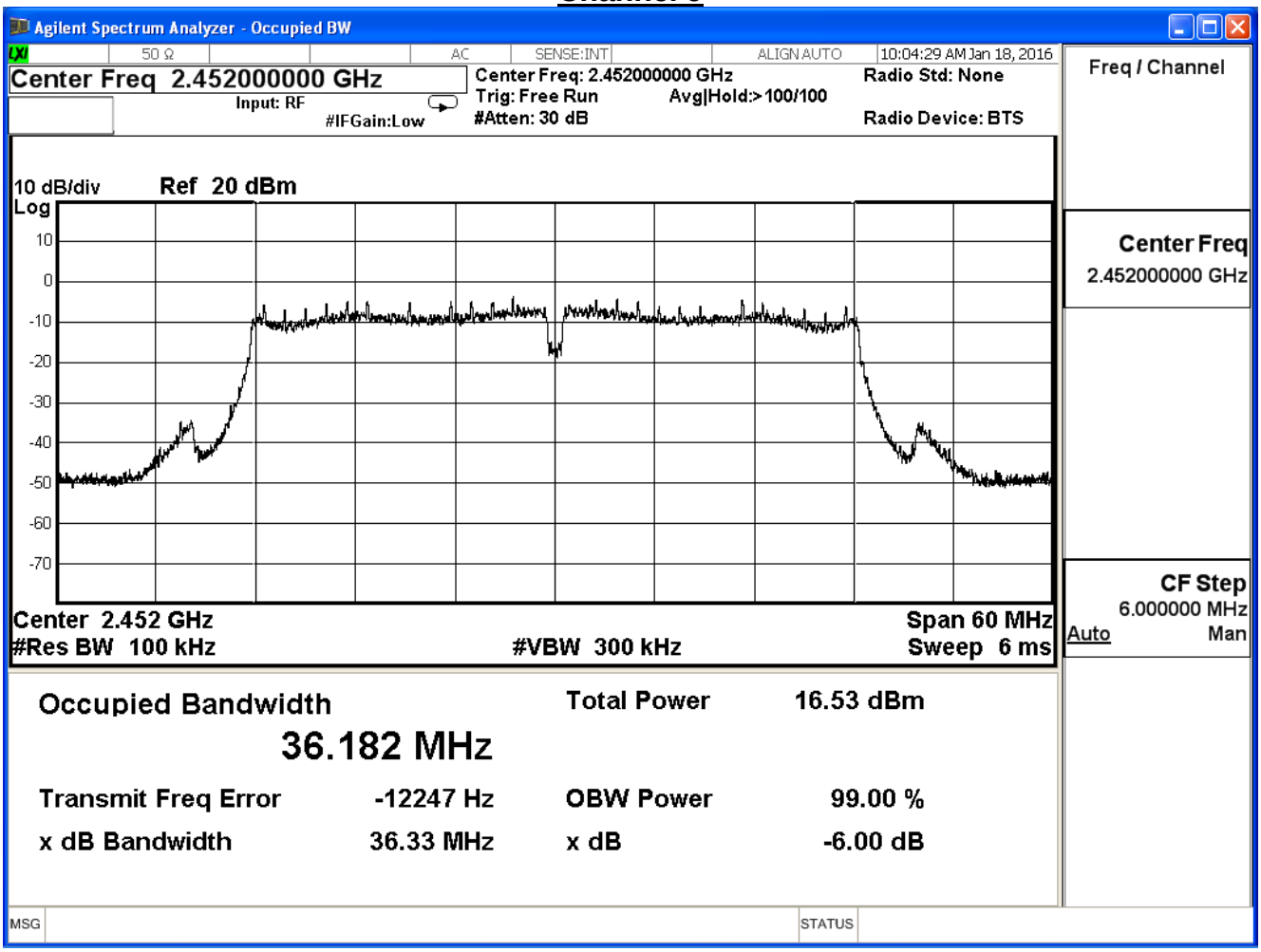
Channel 3



Channel 6


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:05:11 AM Jan 18, 2016
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 60 MHz
Sweep 6 ms
CF Step
6.000000 MHz
Auto
Man
Occupied Bandwidth
36.181 MHz
Total Power
16.49 dBm
Transmit Freq Error
-20257 Hz
OBW Power
99.00 %
x dB Bandwidth
36.32 MHz
x dB
-6.00 dB
MSG
STATUS

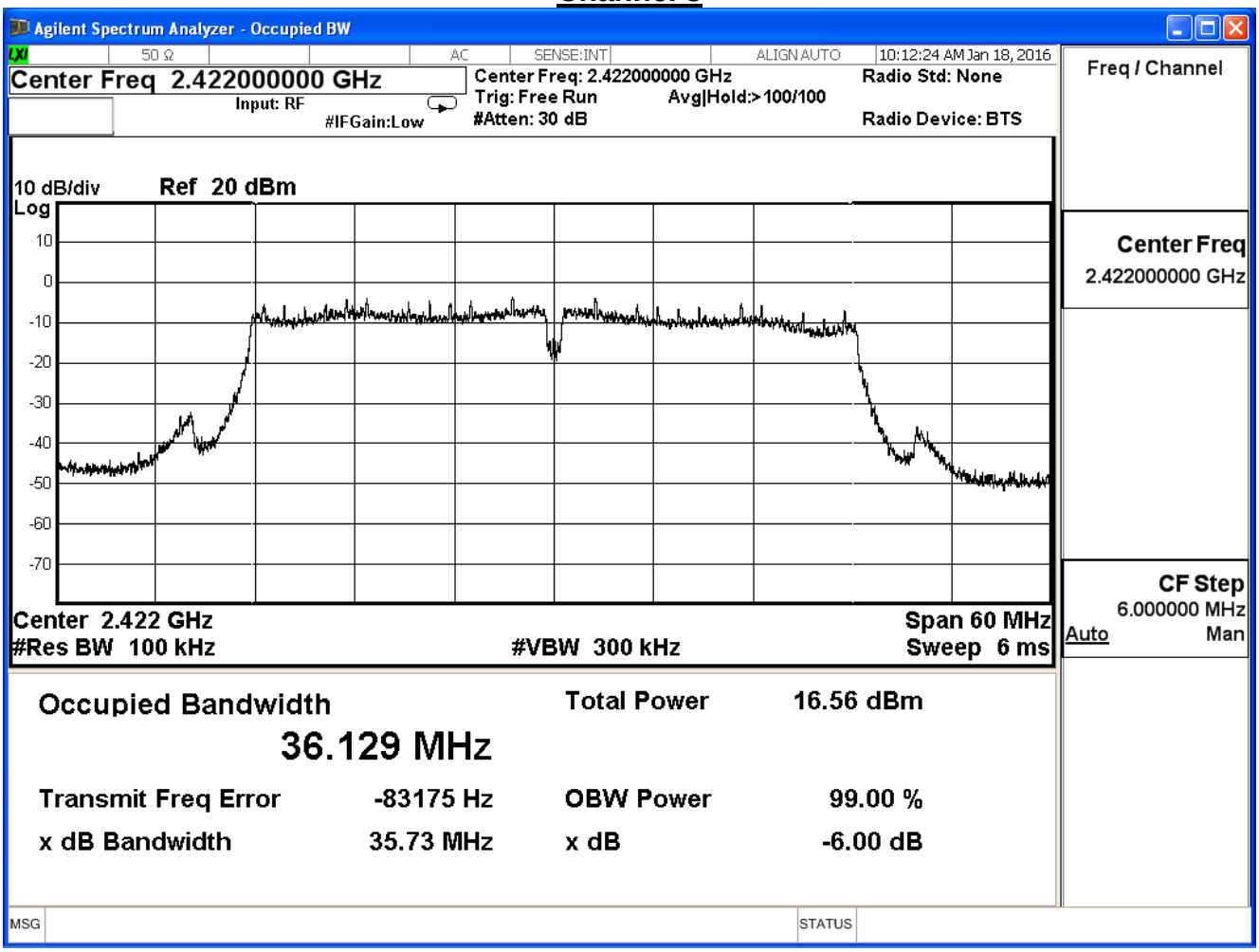
Channel 9


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:04:29 AM Jan 18, 2016
Center Freq 2.452000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.452000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.452000000 GHz
Center 2.452 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 60 MHz
Sweep 6 ms
CF Step
6.000000 MHz
Auto
Man
Occupied Bandwidth
36.182 MHz
Total Power
16.53 dBm
Transmit Freq Error
-12247 Hz
OBW Power
99.00 %
x dB Bandwidth
36.33 MHz
x dB
-6.00 dB
MSG
STATUS

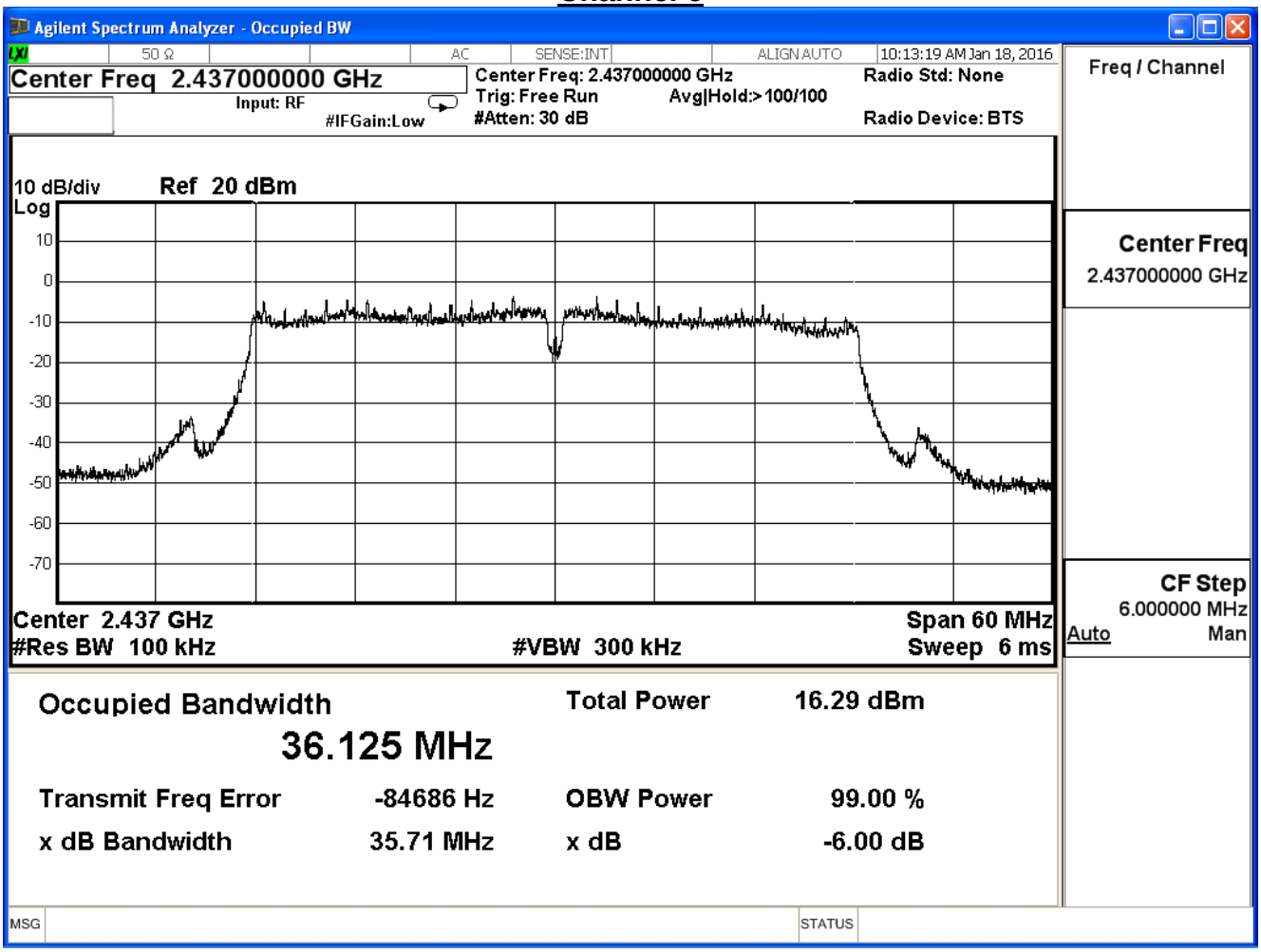
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/01/18	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
3	2422	35.730	≧0.5	Pass
6	2437	35.710	≧0.5	Pass
9	2452	35.730	≧0.5	Pass

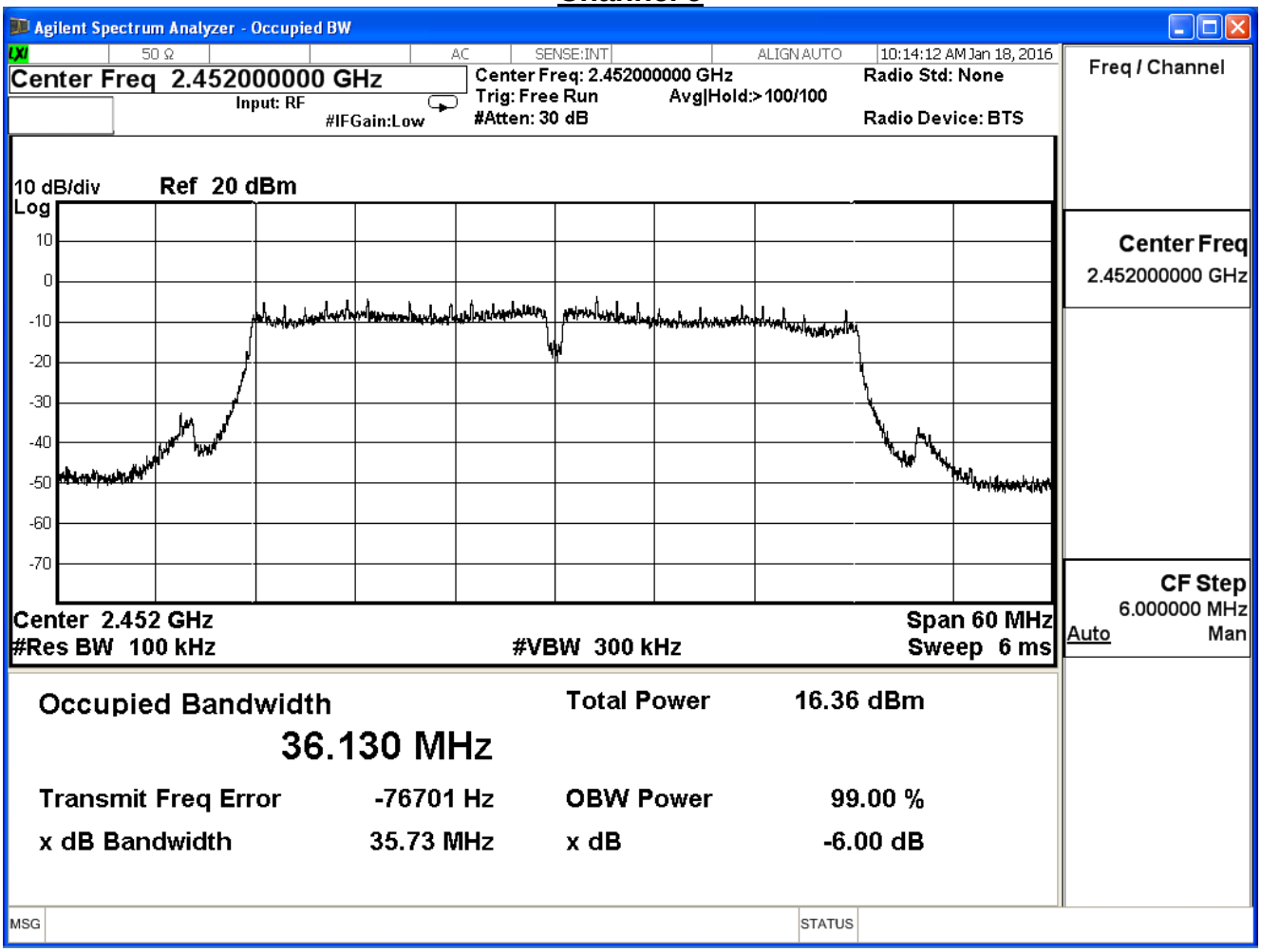
Channel 3



Channel 6


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:13:19 AM Jan 18, 2016
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 60 MHz
Sweep 6 ms
CF Step
6.000000 MHz
Auto
Man
Occupied Bandwidth
36.125 MHz
Total Power
16.29 dBm
Transmit Freq Error
-84686 Hz
OBW Power
99.00 %
x dB Bandwidth
35.71 MHz
x dB
-6.00 dB
MSG
STATUS

Channel 9


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:14:12 AM Jan 18, 2016
Center Freq 2.452000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.452000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.452000000 GHz
Center 2.452 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 60 MHz
Sweep 6 ms
CF Step
6.000000 MHz
Auto
Man
Occupied Bandwidth
36.130 MHz
Total Power
16.36 dBm
Transmit Freq Error
-76701 Hz
OBW Power
99.00 %
x dB Bandwidth
35.73 MHz
x dB
-6.00 dB
MSG
STATUS

8. Power Density

8.1. Test Equipment

The following test equipment is used during the test:

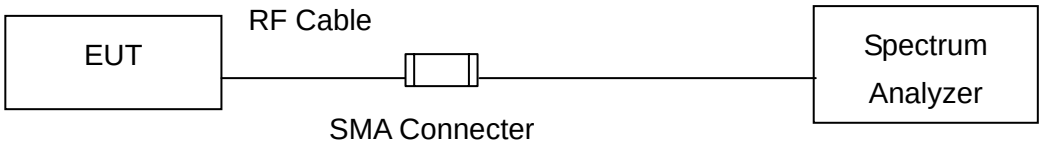
Power Density / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2016/08/23

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

8.2. Test Setup

IEEE 802.11 b / g / n (20M / 40M) MODE



8.3. Limits

The peak power spectral density conducted from the intentional radiated to the antenna shall not be greater than +8dBm in any 3kHz band during any time interval of continuous transmission.

8.4. Test Procedures

The EUT was setup according to ANSI C63.4: 2009; tested according to DTS test procedure of Jan. 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.
Set RBW= 100 kHz, Set VBW= 300 kHz, Sweep time=Auto, Set detector=Peak detector

8.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2011

8.6. Uncertainty

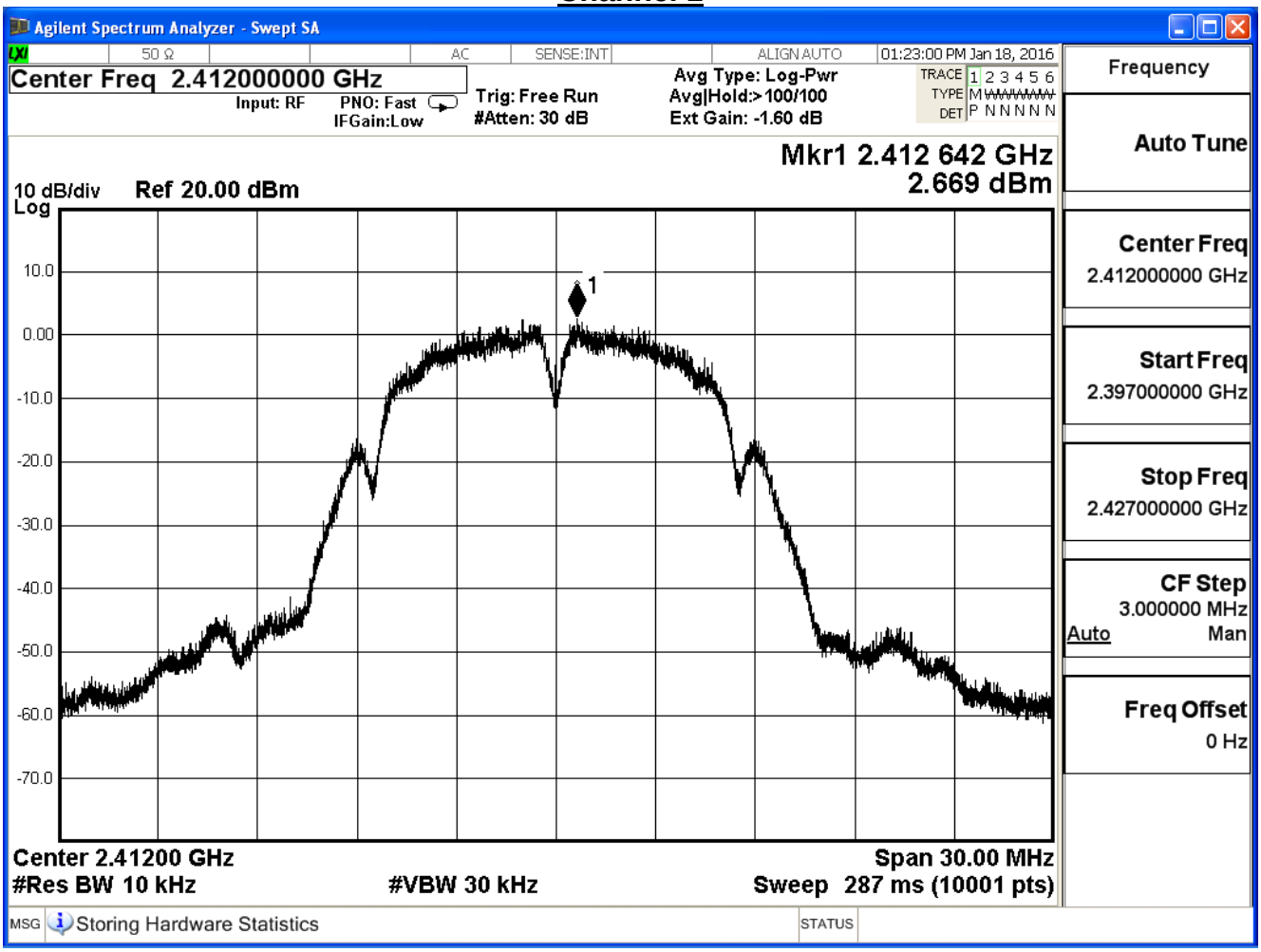
The measurement uncertainty is defined as ±1.27dB.

8.7. Test Result

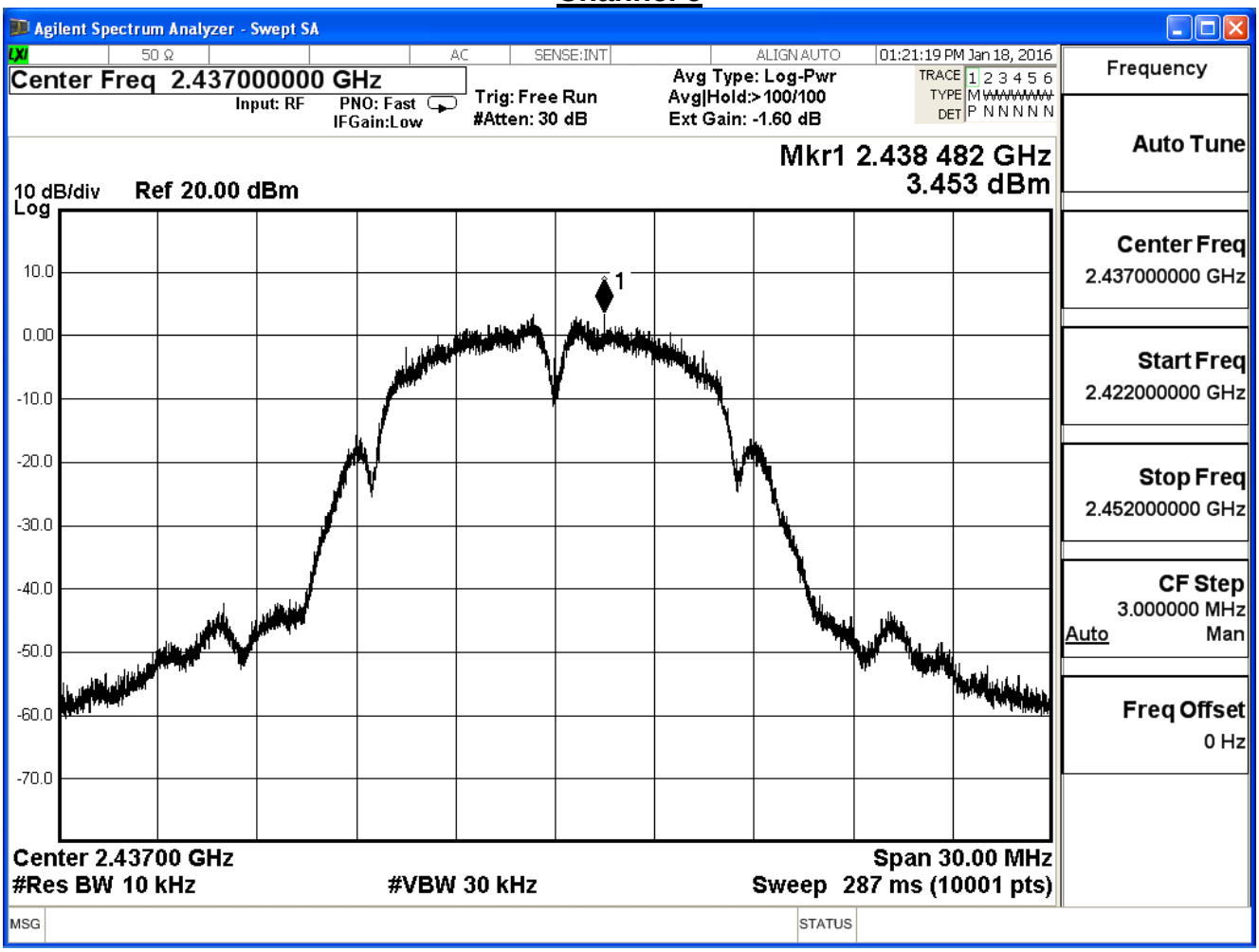
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/01/18	Test Site	SR7

IEEE 802.11b				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	2.669	≦8	Pass
6	2437	3.453	≦8	Pass
11	2462	3.152	≦8	Pass

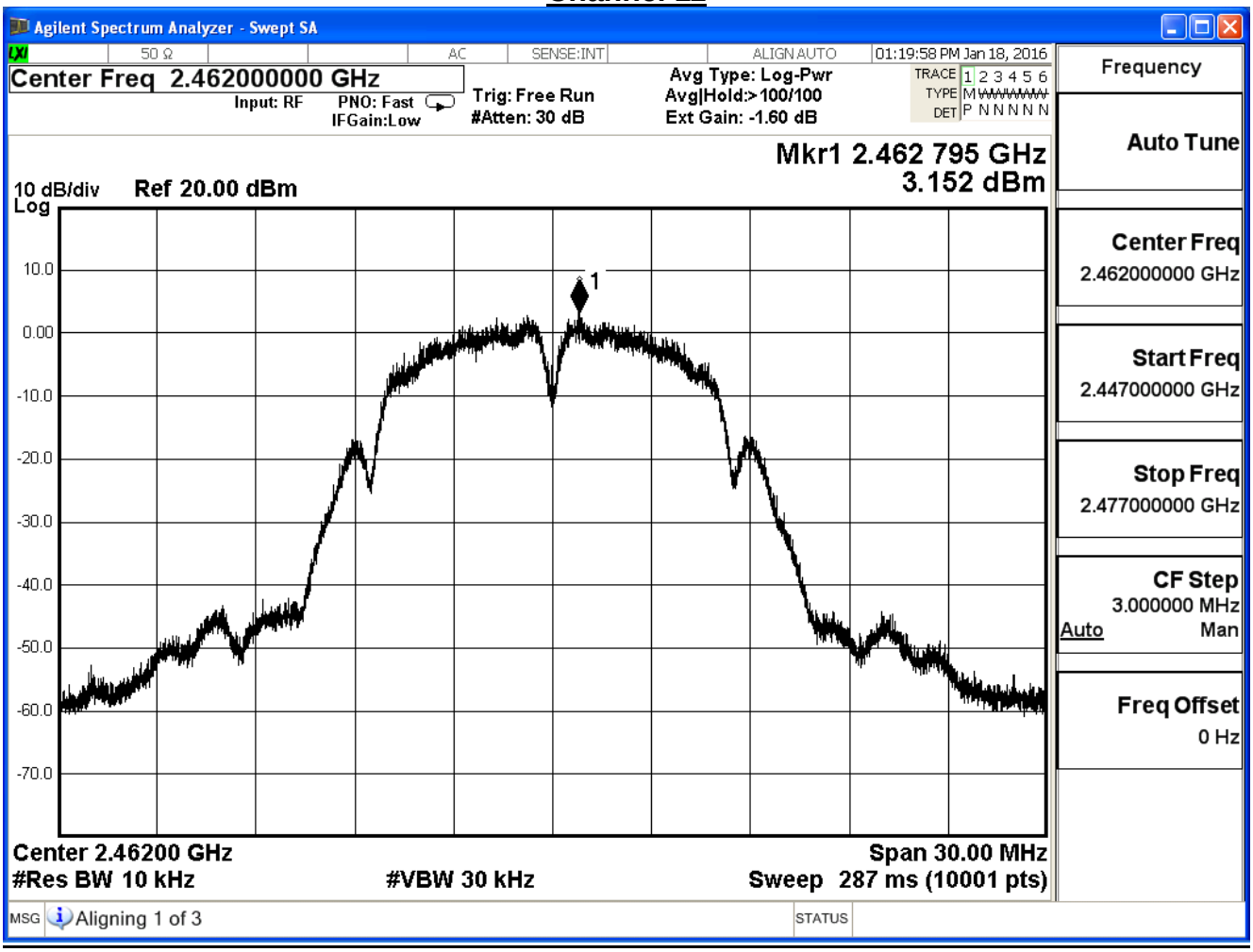
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
01:21:19 PM Jan 18, 2016
Center Freq 2.437000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.60 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.438 482 GHz
3.453 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
1
Center 2.43700 GHz
#Res BW 10 kHz
#VBW 30 kHz
Span 30.00 MHz
Sweep 287 ms (10001 pts)
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.422000000 GHz
Stop Freq
2.452000000 GHz
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

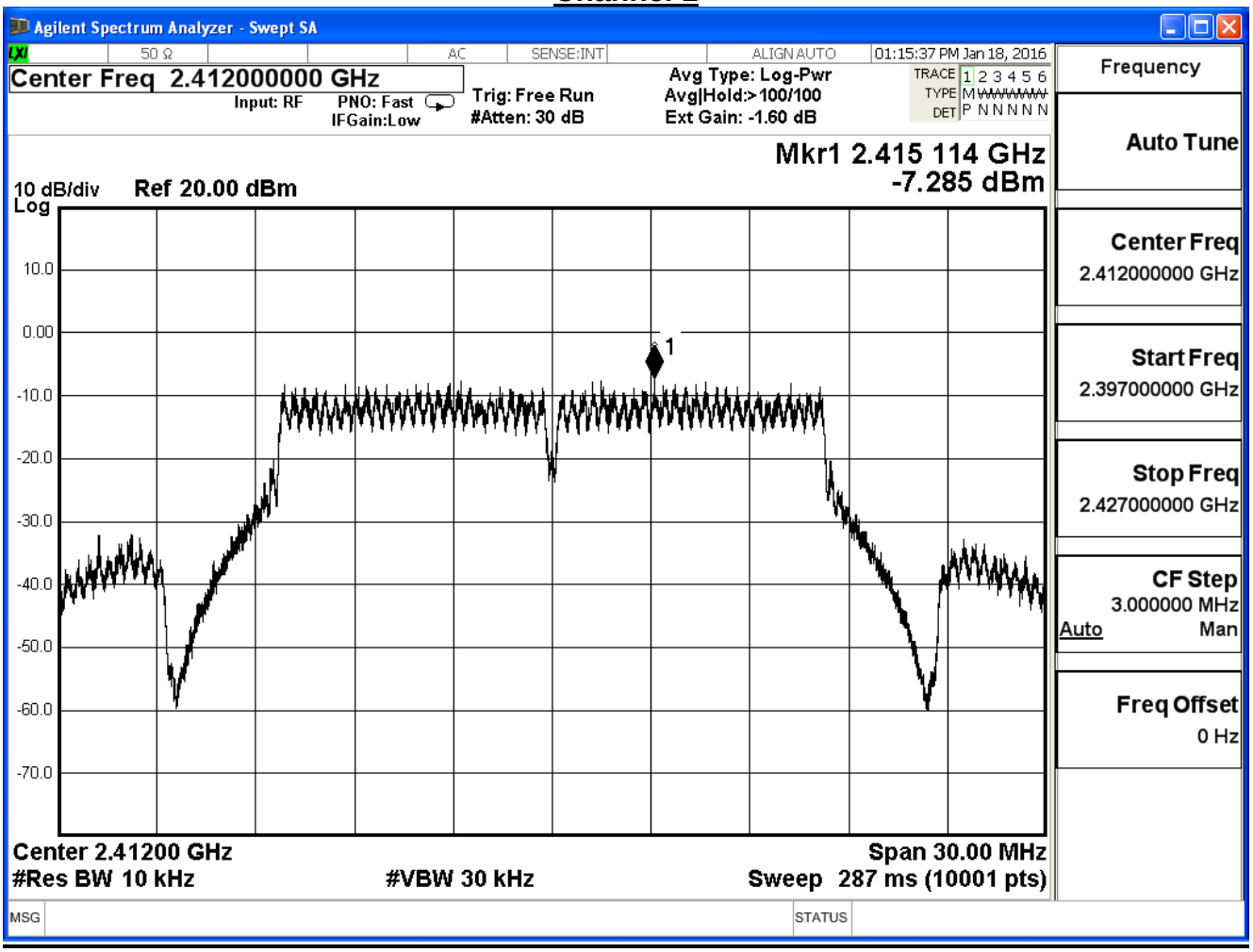
Channel 11


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
01:19:58 PM Jan 18, 2016
Center Freq 2.462000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.60 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.462 795 GHz
3.152 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.46200 GHz
#Res BW 10 kHz
#VBW 30 kHz
Span 30.00 MHz
Sweep 287 ms (10001 pts)
MSG
Aligning 1 of 3
STATUS
Frequency
Auto Tune
Center Freq
2.462000000 GHz
Start Freq
2.447000000 GHz
Stop Freq
2.477000000 GHz
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz

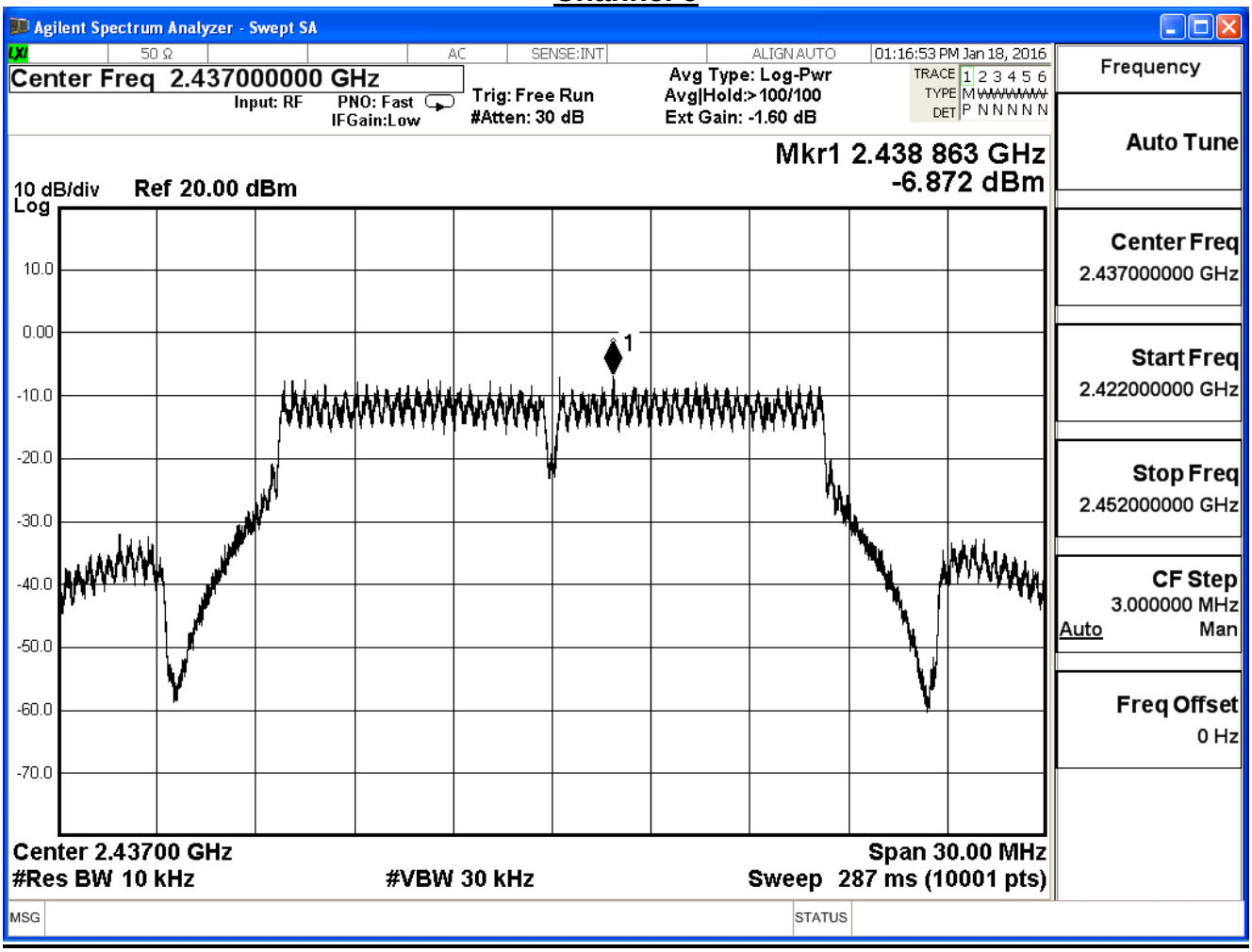
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/01/18	Test Site	SR7

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-7.285	≦8	Pass
6	2437	-6.872	≦8	Pass
11	2462	-8.795	≦8	Pass

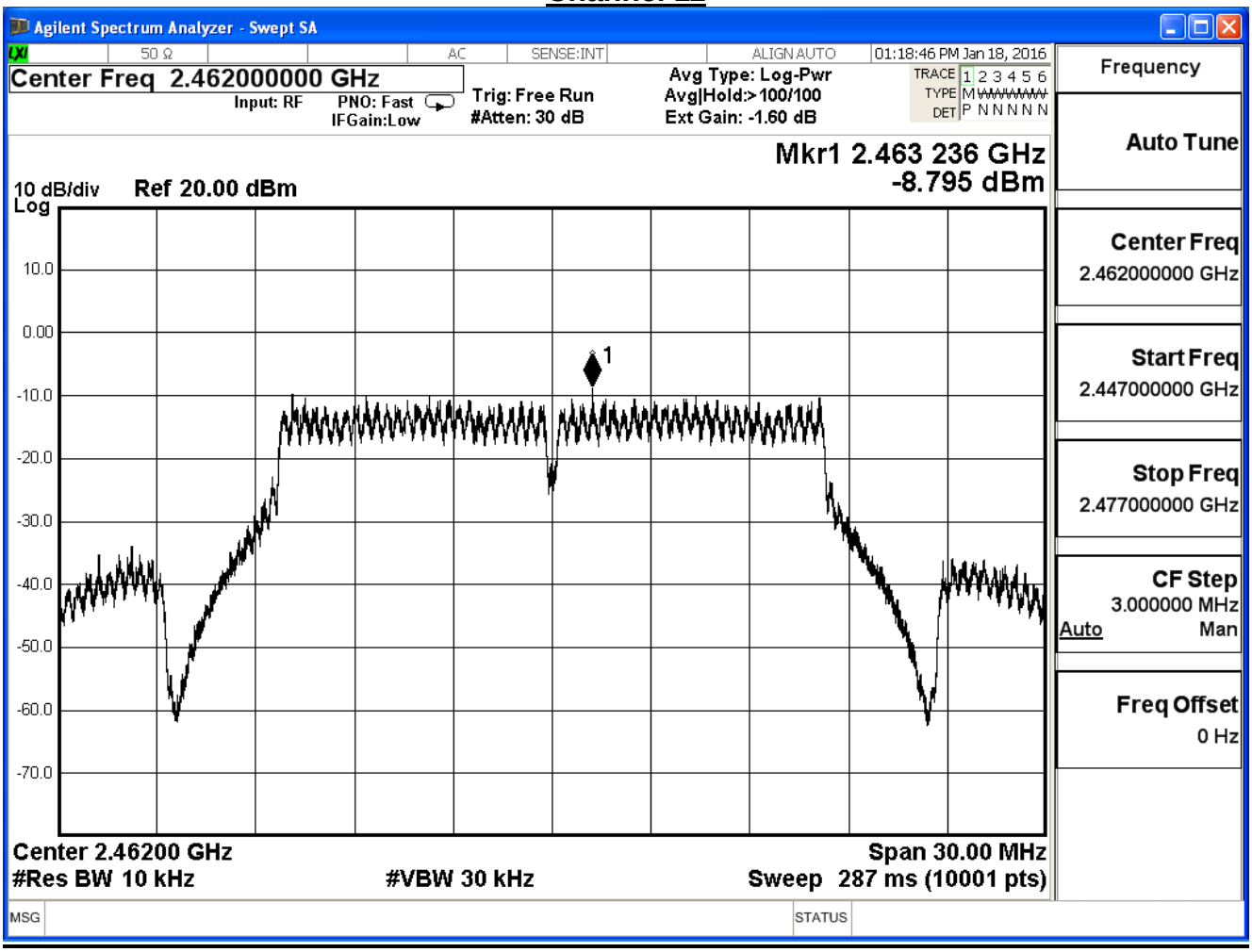
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
01:16:53 PM Jan 18, 2016
Center Freq 2.437000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.60 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.438 863 GHz
-6.872 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
1
Center 2.43700 GHz
#Res BW 10 kHz
#VBW 30 kHz
Span 30.00 MHz
Sweep 287 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.422000000 GHz
Stop Freq
2.452000000 GHz
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz

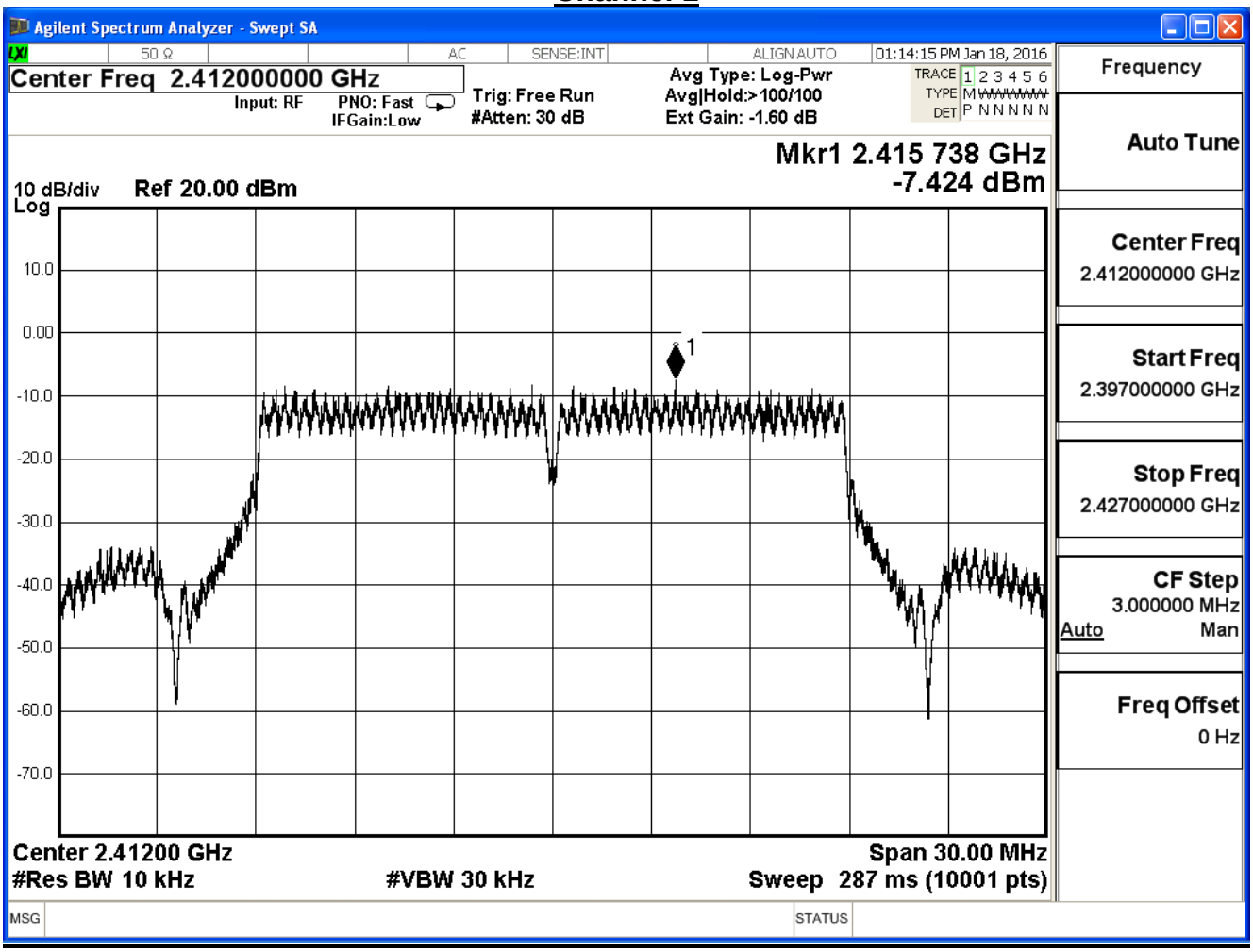
Channel 11


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
01:18:46 PM Jan 18, 2016
Center Freq 2.462000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.60 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.463 236 GHz
-8.795 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.46200 GHz
#Res BW 10 kHz
#VBW 30 kHz
Span 30.00 MHz
Sweep 287 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.462000000 GHz
Start Freq
2.447000000 GHz
Stop Freq
2.477000000 GHz
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz

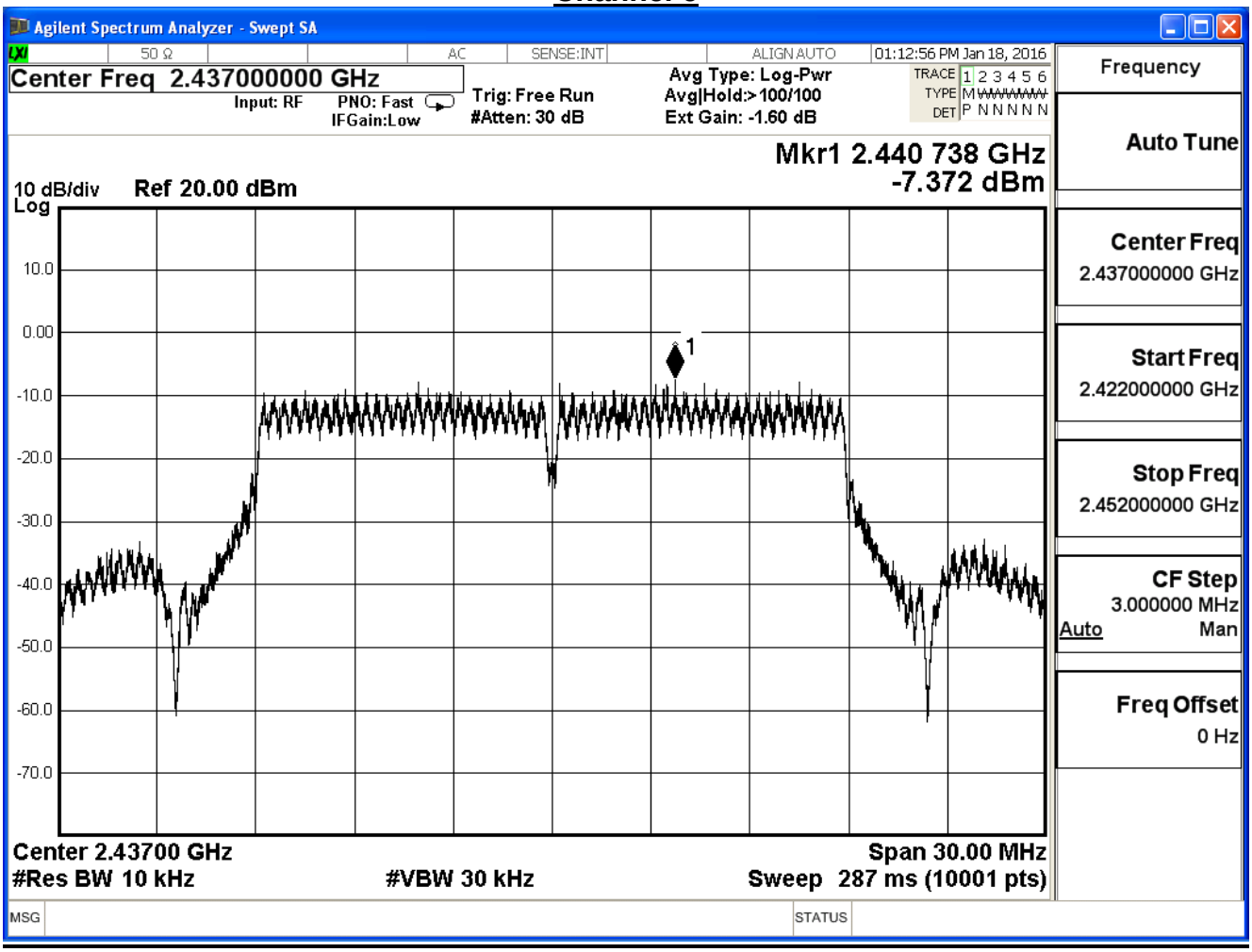
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/01/18	Test Site	SR7

IEEE802.11n_20MHz_(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-7.424	≦8	Pass
6	2437	-7.372	≦8	Pass
11	2462	-7.450	≦8	Pass

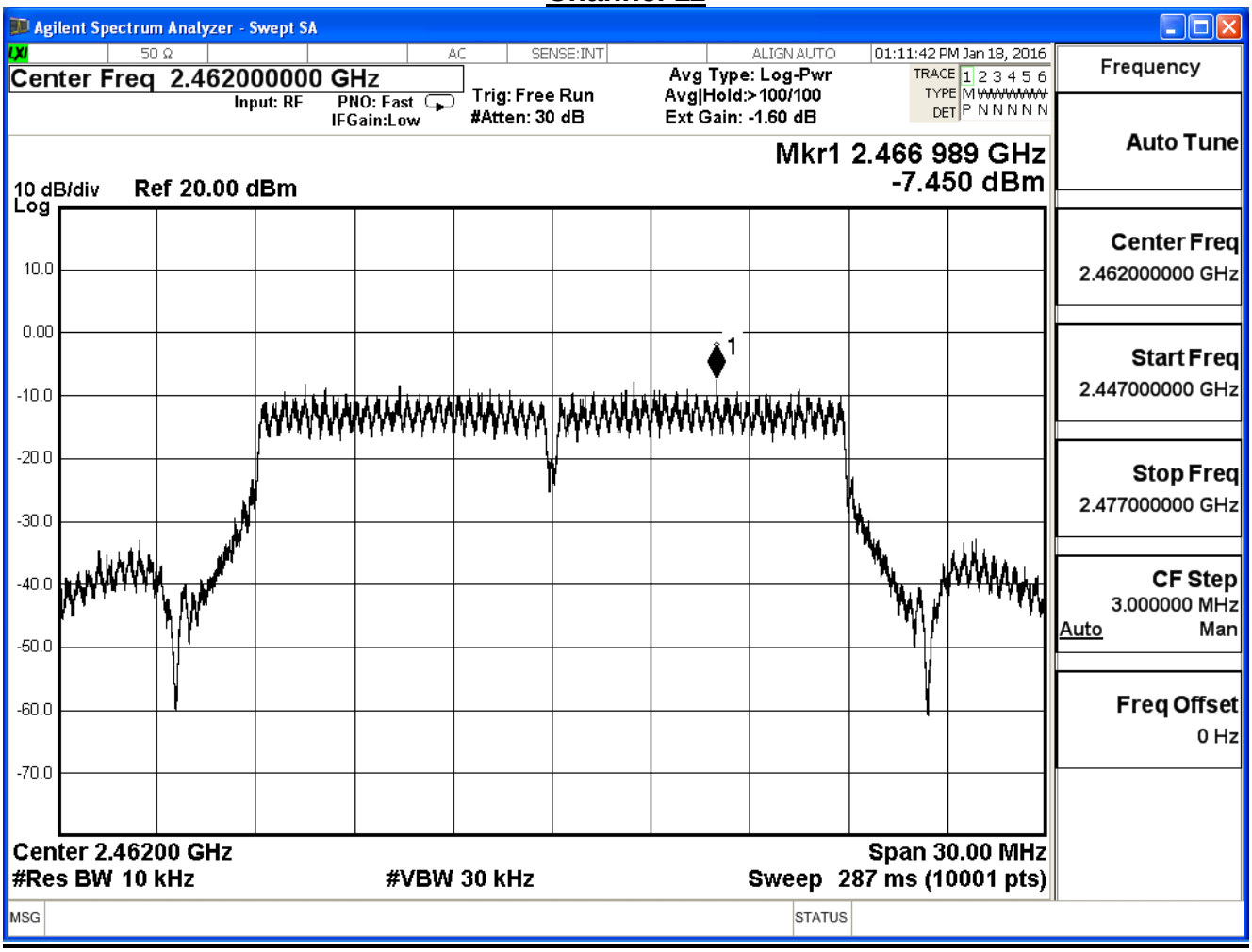
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
01:12:56 PM Jan 18, 2016
Center Freq 2.437000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.60 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.440 738 GHz
-7.372 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.43700 GHz
#Res BW 10 kHz
#VBW 30 kHz
Span 30.00 MHz
Sweep 287 ms (10001 pts)
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.422000000 GHz
Stop Freq
2.452000000 GHz
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

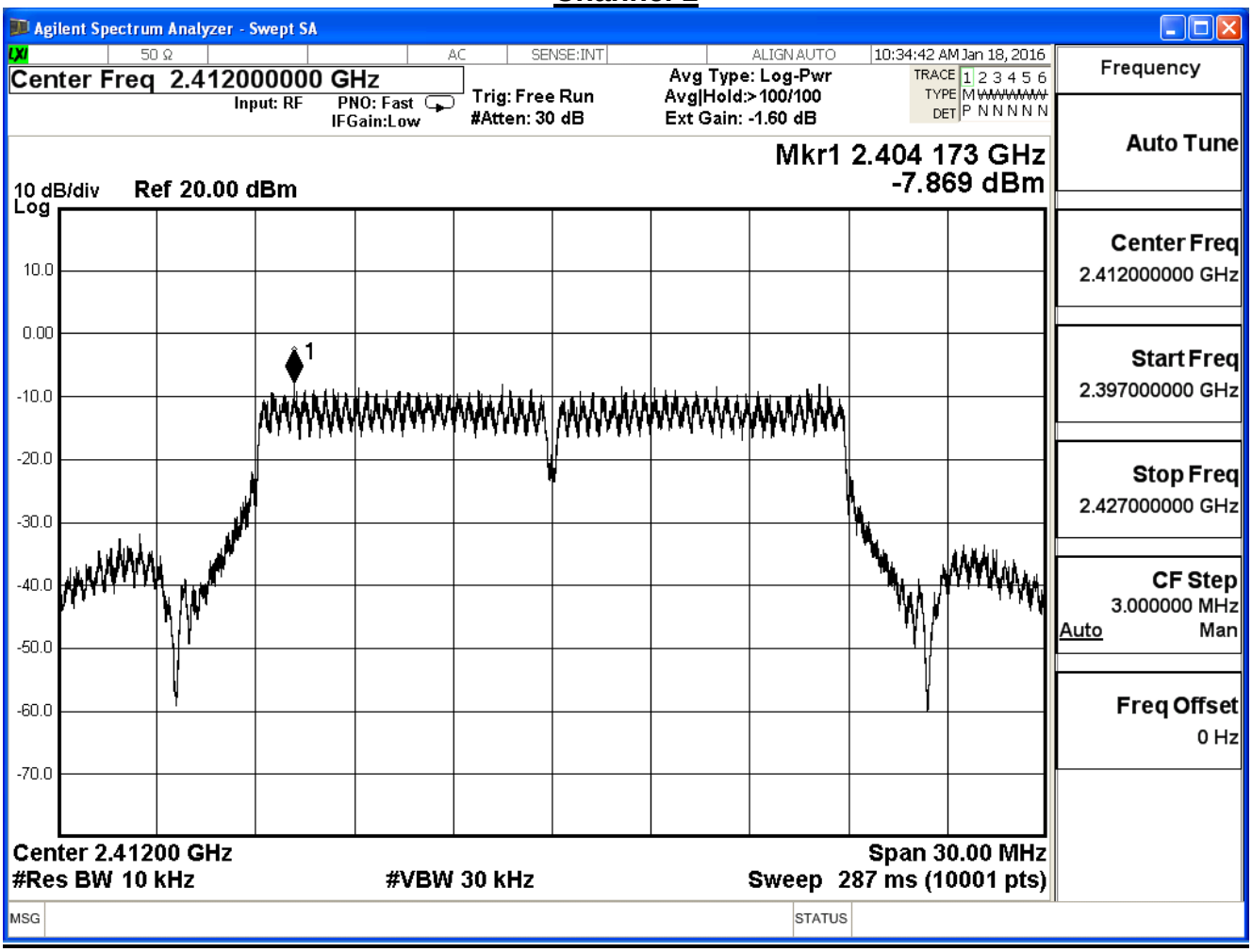
Channel 11


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
01:11:42 PM Jan 18, 2016
Center Freq 2.462000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.60 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.466 989 GHz
-7.450 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.46200 GHz
#Res BW 10 kHz
#VBW 30 kHz
Span 30.00 MHz
Sweep 287 ms (10001 pts)
Frequency
Auto Tune
Center Freq
2.462000000 GHz
Start Freq
2.447000000 GHz
Stop Freq
2.477000000 GHz
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

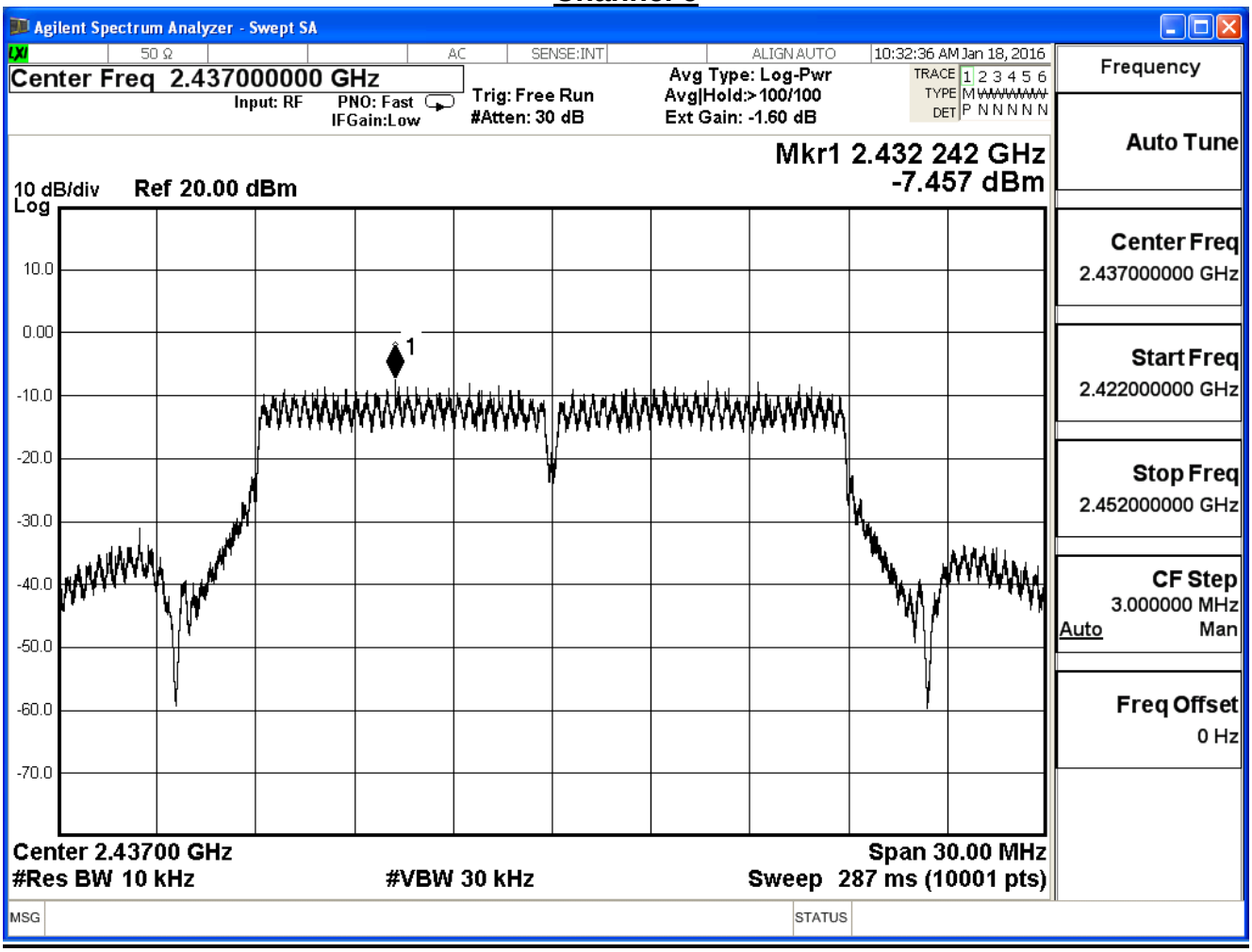
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/01/18	Test Site	SR7

IEEE802.11n_20MHz_(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-7.869	≦8	Pass
6	2437	-7.457	≦8	Pass
11	2462	-7.631	≦8	Pass

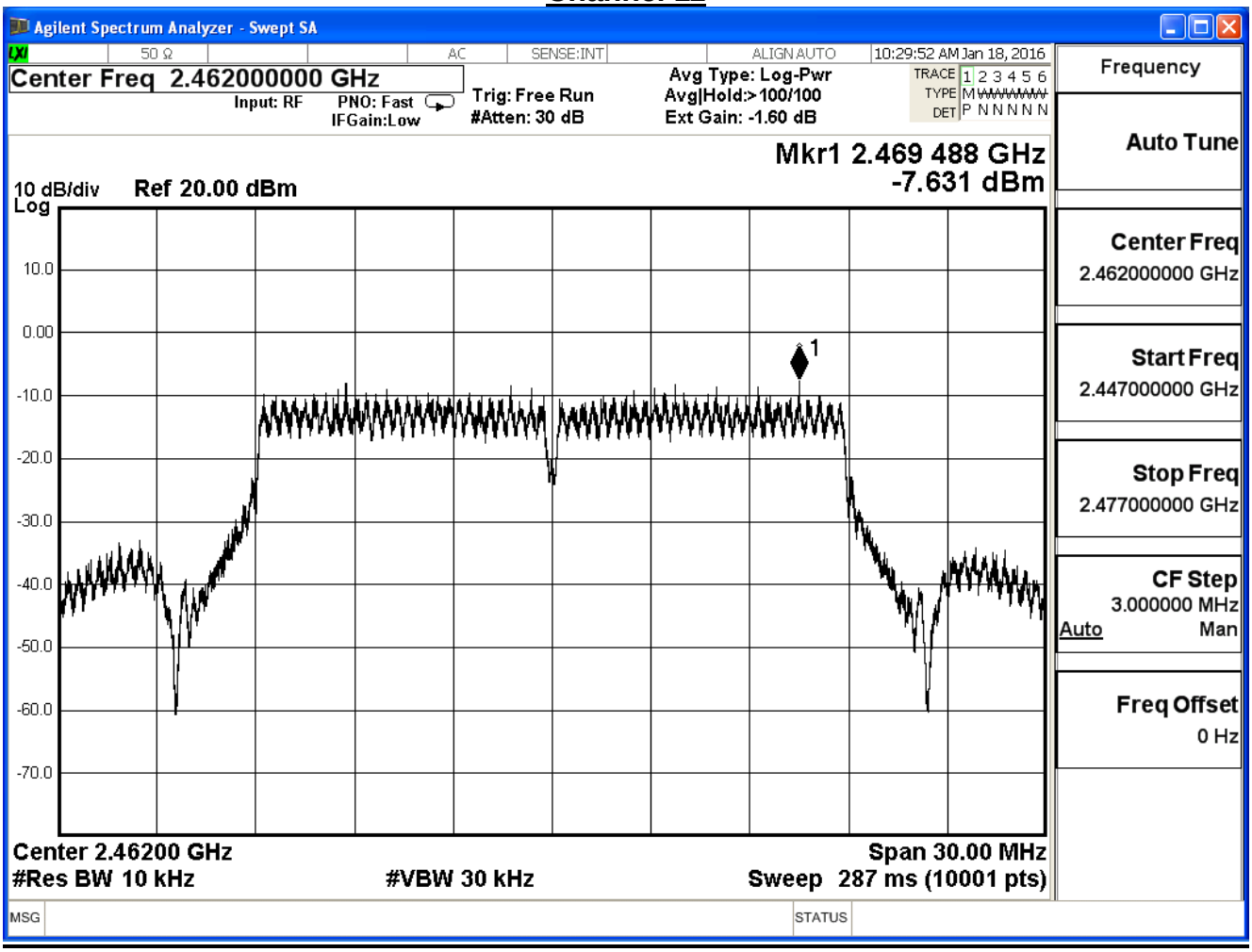
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:32:36 AM Jan 18, 2016
Center Freq 2.437000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.60 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.432 242 GHz
-7.457 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.43700 GHz
#Res BW 10 kHz
#VBW 30 kHz
Span 30.00 MHz
Sweep 287 ms (10001 pts)
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.422000000 GHz
Stop Freq
2.452000000 GHz
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

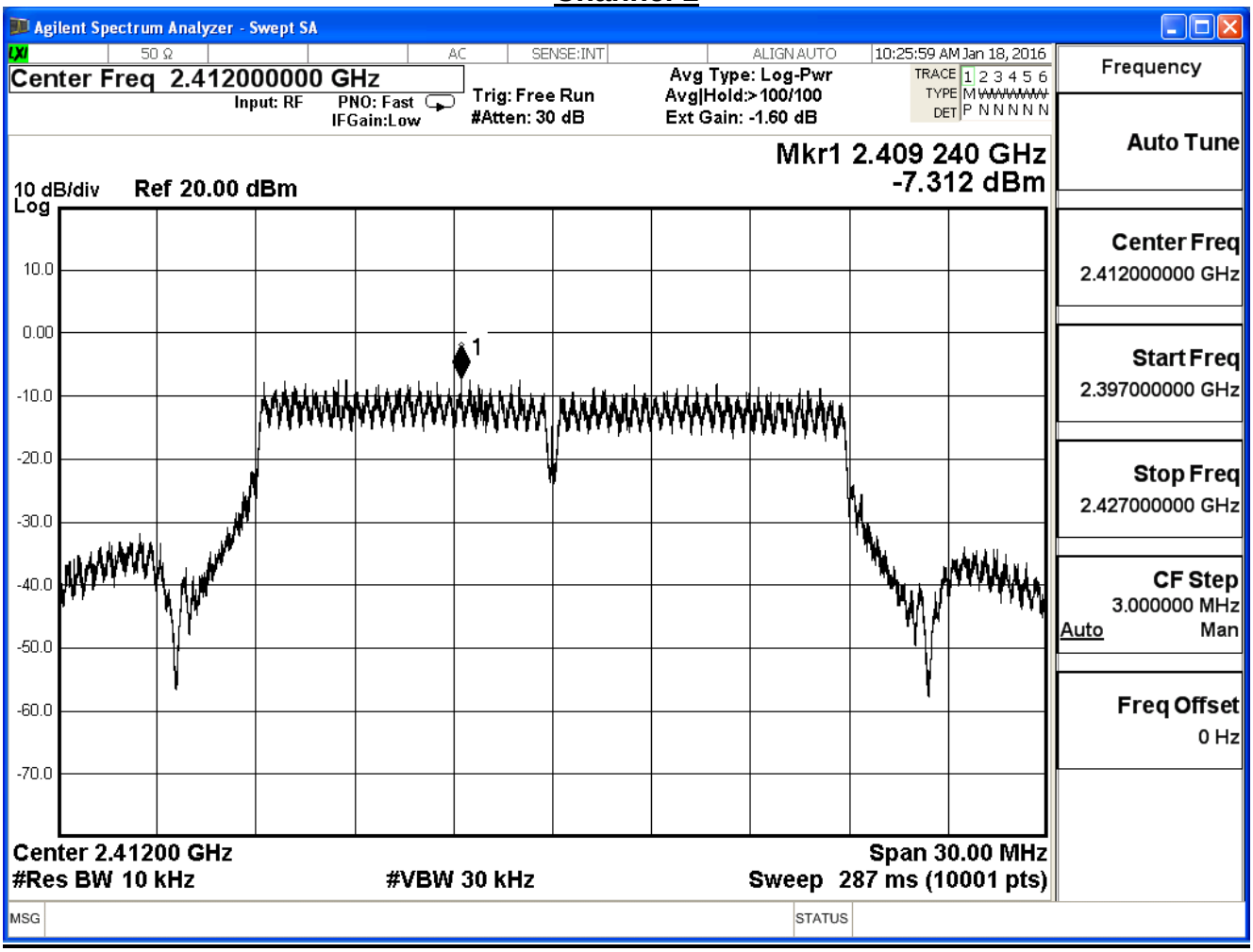
Channel 11


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:29:52 AM Jan 18, 2016
Center Freq 2.462000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.60 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.469 488 GHz
-7.631 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
1
Center 2.46200 GHz
#Res BW 10 kHz
#VBW 30 kHz
Span 30.00 MHz
Sweep 287 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.462000000 GHz
Start Freq
2.447000000 GHz
Stop Freq
2.477000000 GHz
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz

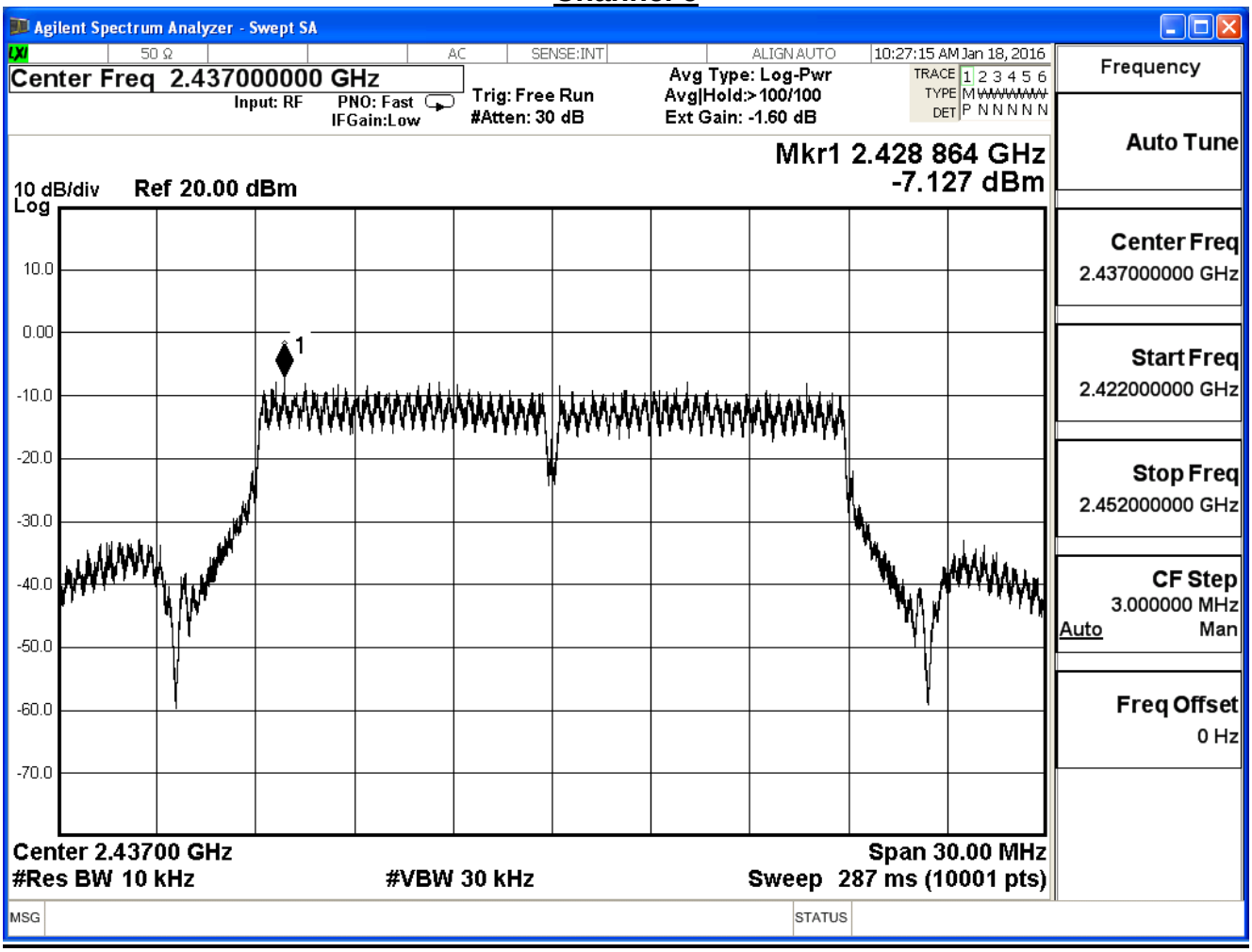
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/01/18	Test Site	SR7

IEEE802.11n_20MHz_(ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-7.312	≦8	Pass
6	2437	-7.127	≦8	Pass
11	2462	-7.503	≦8	Pass

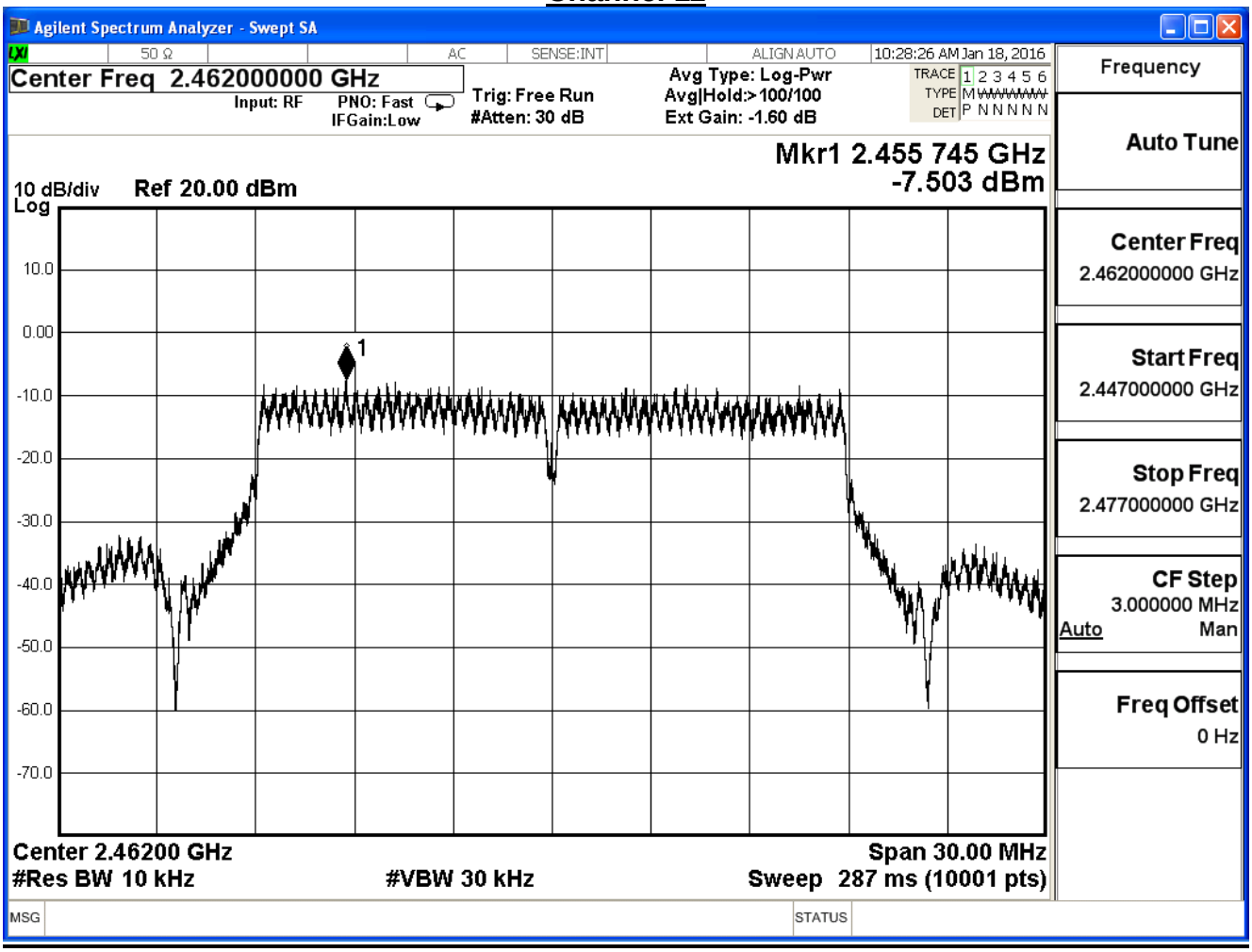
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:27:15 AM Jan 18, 2016
Center Freq 2.437000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.60 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.428 864 GHz
-7.127 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
1
Center 2.43700 GHz
#Res BW 10 kHz
#VBW 30 kHz
Span 30.00 MHz
Sweep 287 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.422000000 GHz
Stop Freq
2.452000000 GHz
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 11


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:28:26 AM Jan 18, 2016
Center Freq 2.462000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.60 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.455 745 GHz
-7.503 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
1
Center 2.46200 GHz
#Res BW 10 kHz
#VBW 30 kHz
Span 30.00 MHz
Sweep 287 ms (10001 pts)
Frequency
Auto Tune
Center Freq
2.462000000 GHz
Start Freq
2.447000000 GHz
Stop Freq
2.477000000 GHz
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/01/18	Test Site	SR7

IEEE802.11n 20MHz(ANT 0+1+2)

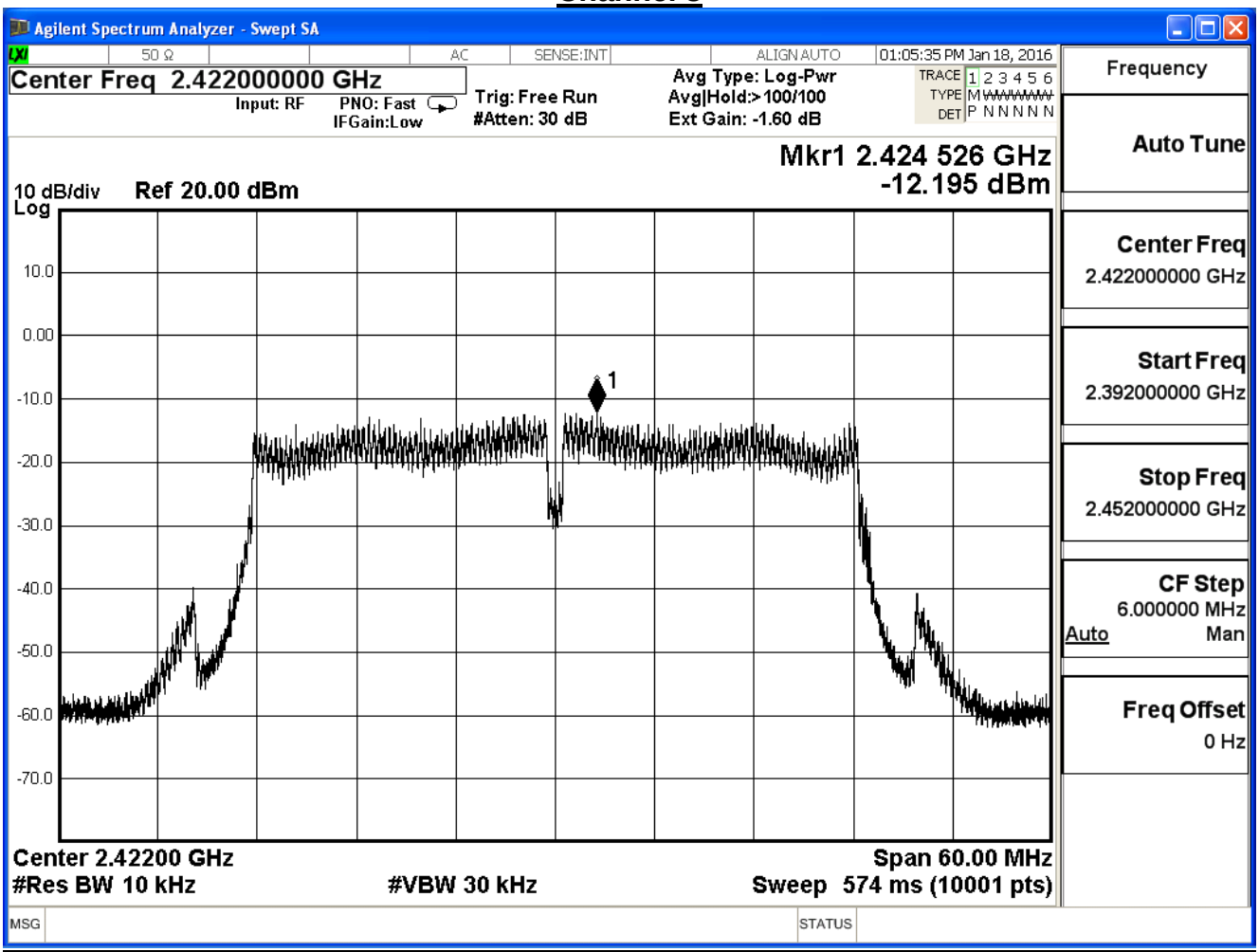
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-2.757	≦8	Pass
6	2437	-2.545	≦8	Pass
11	2462	-2.756	≦8	Pass

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/01/18	Test Site	SR7

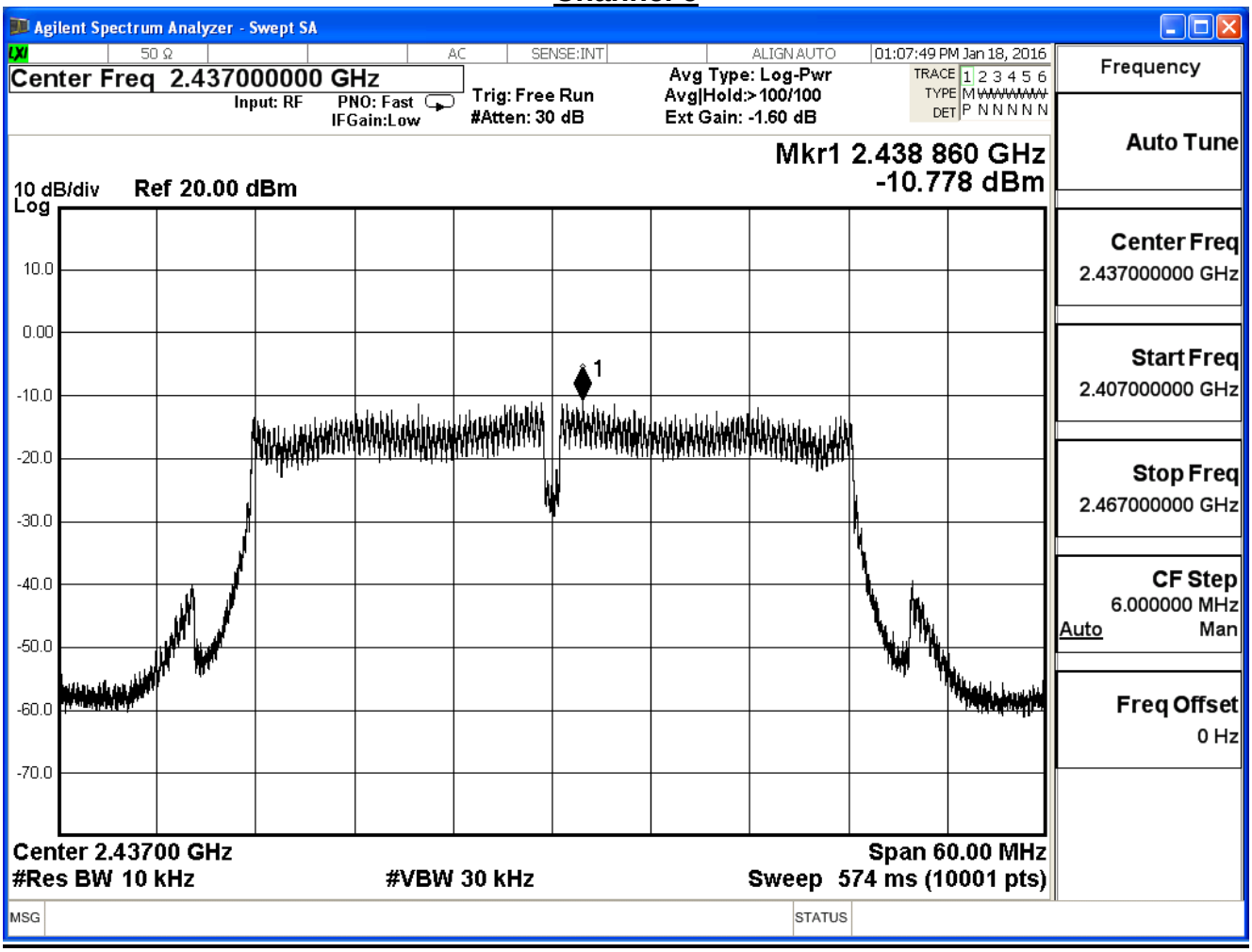
IEEE802.11n 40MHz(ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-12.195	≦8	Pass
6	2437	-10.778	≦8	Pass
9	2452	-11.742	≦8	Pass

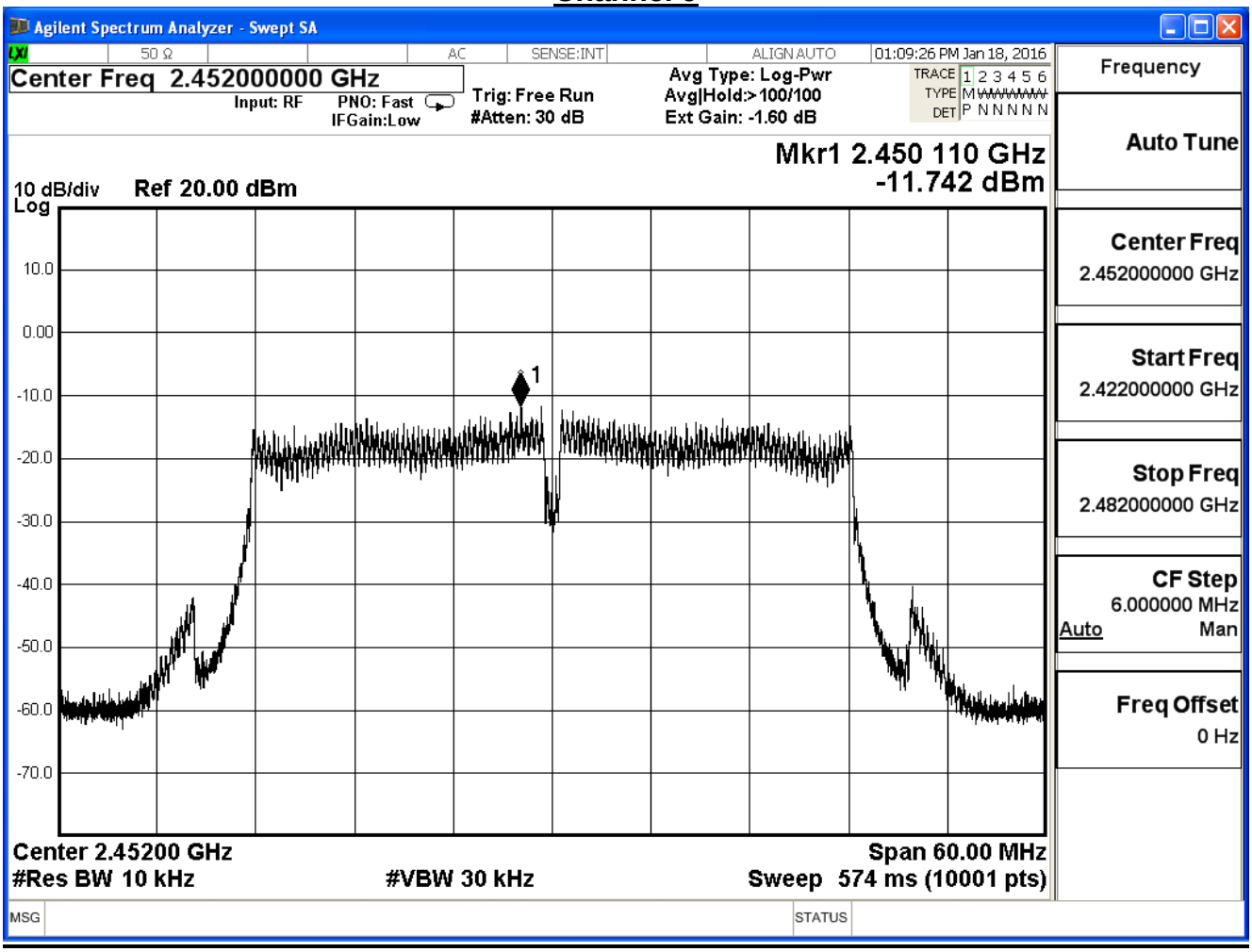
Channel 3



Channel 6


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
01:07:49 PM Jan 18, 2016
Center Freq 2.437000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.60 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.438 860 GHz
-10.778 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
1
Center 2.43700 GHz
#Res BW 10 kHz
#VBW 30 kHz
Span 60.00 MHz
Sweep 574 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.407000000 GHz
Stop Freq
2.467000000 GHz
CF Step
6.000000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 9

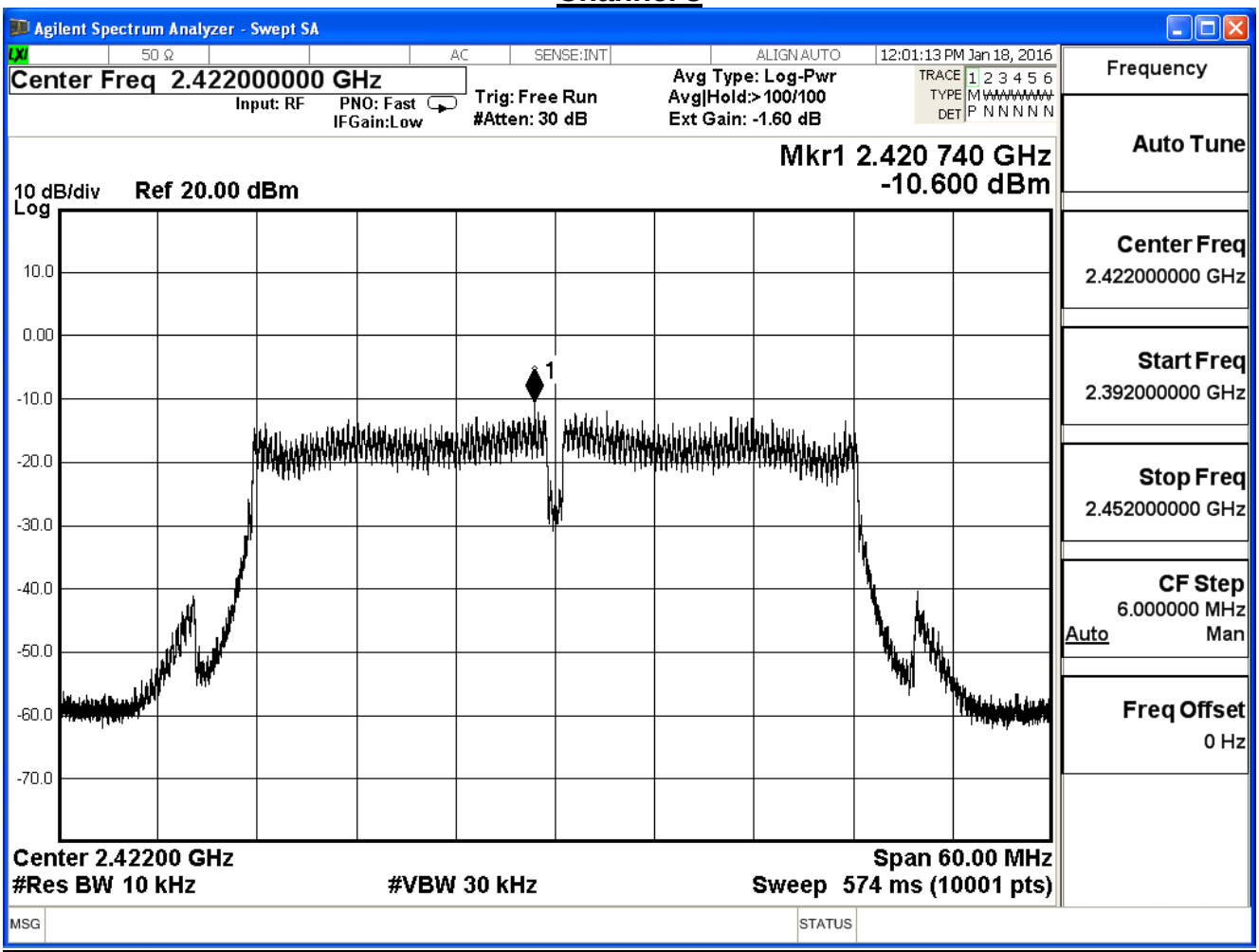

Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
01:09:26 PM Jan 18, 2016
Center Freq 2.452000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.60 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.450 110 GHz
-11.742 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
1
Center 2.45200 GHz
#Res BW 10 kHz
#VBW 30 kHz
Span 60.00 MHz
Sweep 574 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.452000000 GHz
Start Freq
2.422000000 GHz
Stop Freq
2.482000000 GHz
CF Step
6.000000 MHz
Auto
Man
Freq Offset
0 Hz

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/01/18	Test Site	SR7

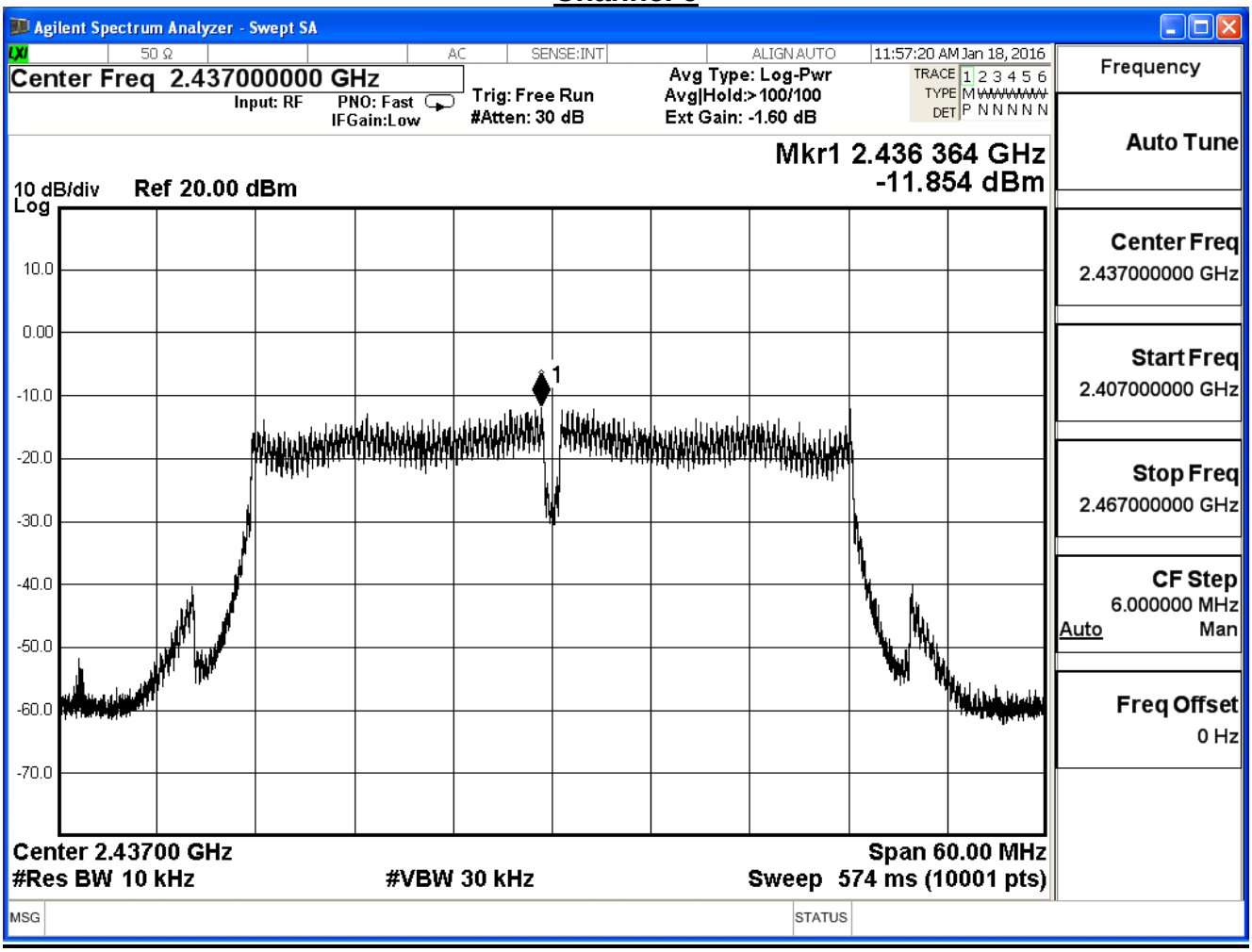
IEEE802.11n 40MHz(ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-10.600	≦8	Pass
6	2437	-11.854	≦8	Pass
9	2452	-11.530	≦8	Pass

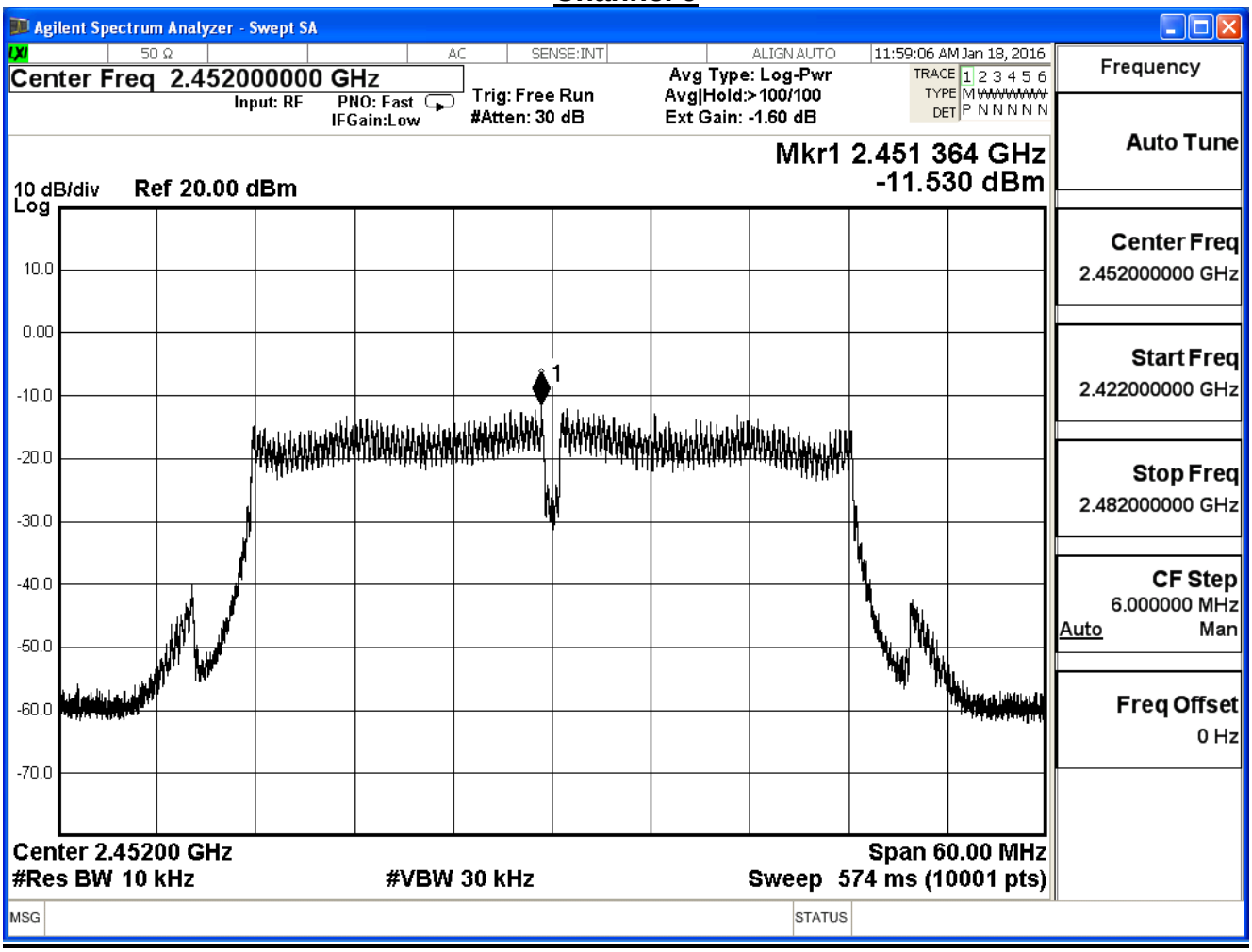
Channel 3



Channel 6


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
11:57:20 AM Jan 18, 2016
Center Freq 2.437000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.60 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.436 364 GHz
-11.854 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.43700 GHz
#Res BW 10 kHz
#VBW 30 kHz
Span 60.00 MHz
Sweep 574 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.407000000 GHz
Stop Freq
2.467000000 GHz
CF Step
6.000000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 9

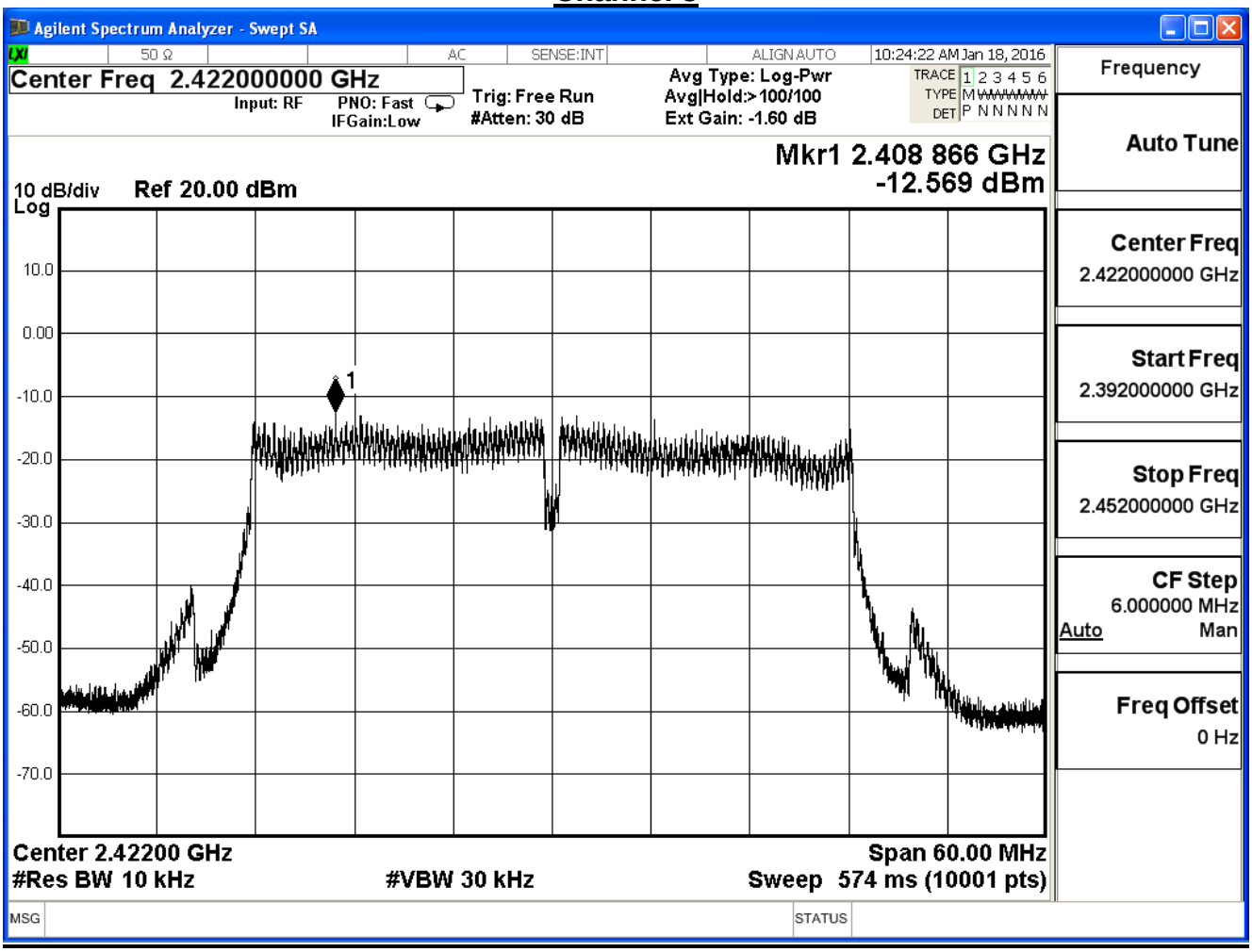

Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
11:59:06 AM Jan 18, 2016
Center Freq 2.452000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.60 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.451 364 GHz
-11.530 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
1
Center 2.45200 GHz
#Res BW 10 kHz
#VBW 30 kHz
Span 60.00 MHz
Sweep 574 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.452000000 GHz
Start Freq
2.422000000 GHz
Stop Freq
2.482000000 GHz
CF Step
6.000000 MHz
Auto
Man
Freq Offset
0 Hz

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/01/18	Test Site	SR7

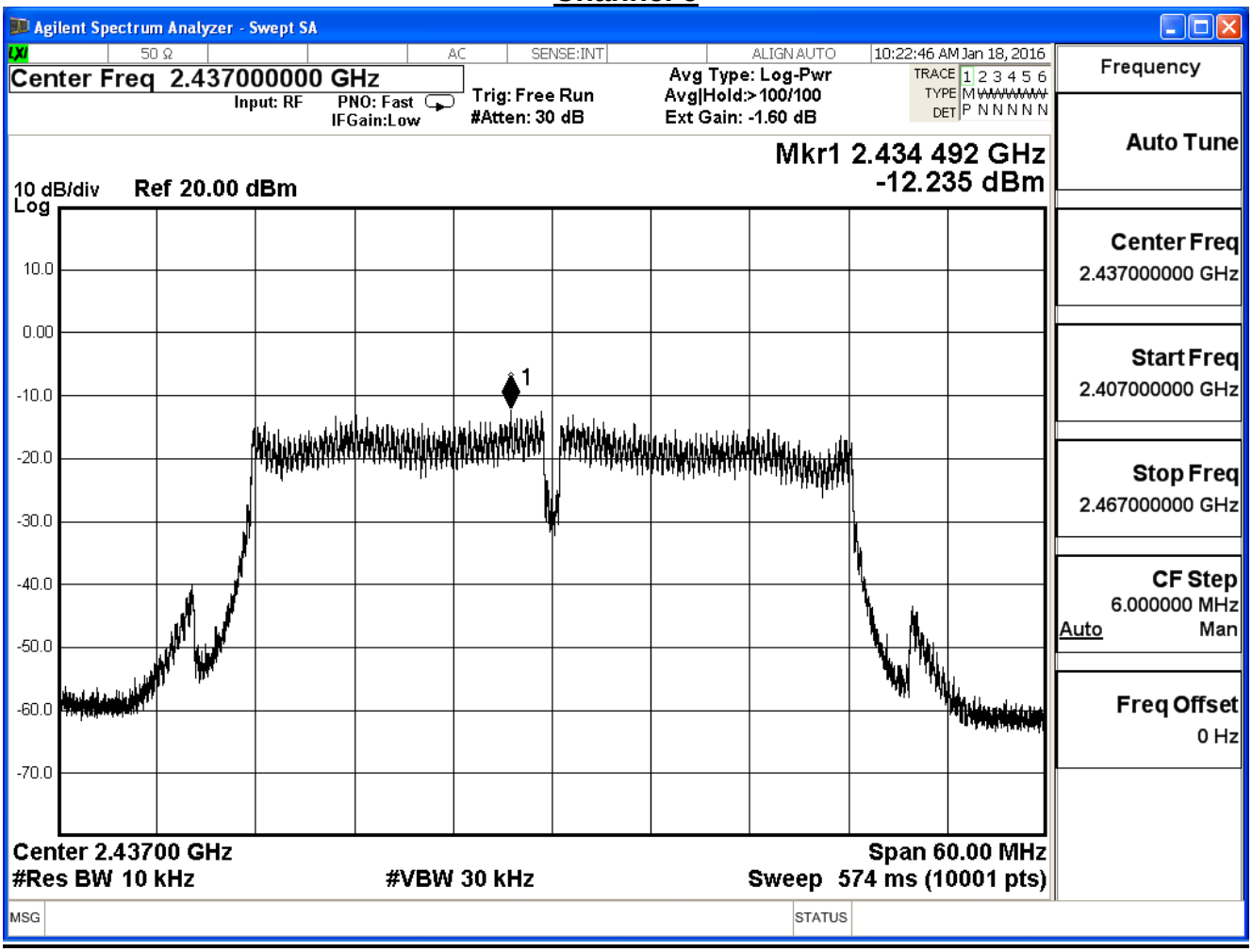
IEEE802.11n 40MHz(ANT 2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-12.569	≦8	Pass
6	2437	-12.235	≦8	Pass
9	2452	-11.946	≦8	Pass

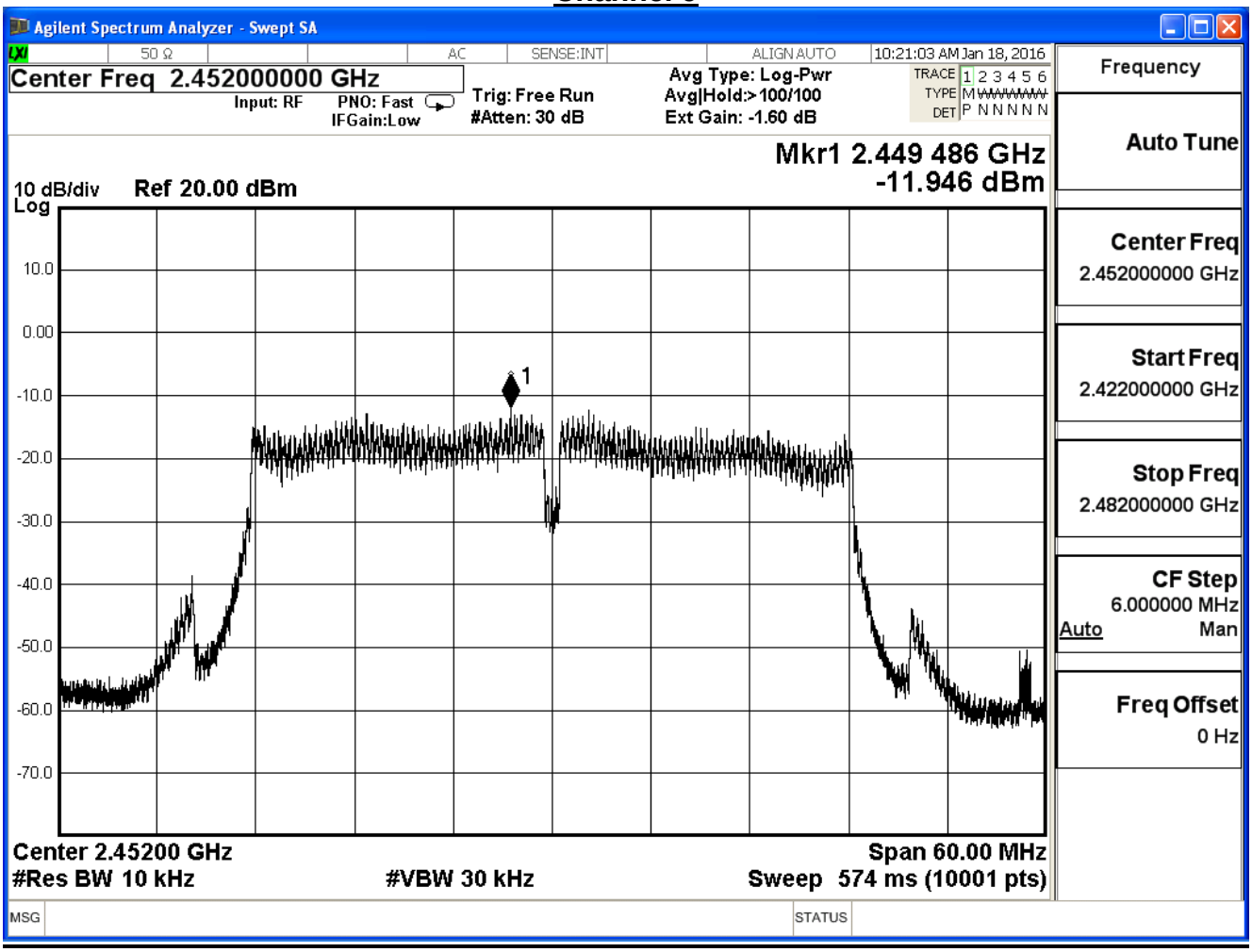
Channel 3



Channel 6


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:22:46 AM Jan 18, 2016
Center Freq 2.437000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.60 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.434 492 GHz
-12.235 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
1
Center 2.43700 GHz
#Res BW 10 kHz
#VBW 30 kHz
Span 60.00 MHz
Sweep 574 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.407000000 GHz
Stop Freq
2.467000000 GHz
CF Step
6.000000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 9


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:21:03 AM Jan 18, 2016
Center Freq 2.452000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.60 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.449 486 GHz
-11.946 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
1
Center 2.45200 GHz
#Res BW 10 kHz
#VBW 30 kHz
Span 60.00 MHz
Sweep 574 ms (10001 pts)
Frequency
Auto Tune
Center Freq
2.452000000 GHz
Start Freq
2.422000000 GHz
Stop Freq
2.482000000 GHz
CF Step
6.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/01/18	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-6.930	≦8	Pass
6	2437	-6.806	≦8	Pass
9	2452	-6.965	≦8	Pass

Attachment 3

- **Original Report**