FCC Test Report

Product Name	:	Gigabit Broadband Router
Trade Name	:	DrayTek
Model No.	:	Vigor2133Vac, Vigor2133FVac, Vigor2762Vac, Vigor2133, Vigor2133n, Vigor2133ac, Vigor2133V, Vigor2133Vn, Vigor2133F, Vigor2133Fn, Vigor2133Fac, Vigor2133FV, Vigor2133FVn, Vigor2762, Vigor2762n, Vigor2762ac, Vigor2762V, Vigor2762Vn, Vigor2762e, Vigor2762ne, Vigor2762ace, Vigor2762Ve, Vigor2762Vne, Vigor2762Vace
FCC ID.	:	VGY2133

Applicant	:	DrayTek Corp.
Address	:	No.26,Fu Shing Rd., HuKou County,Hsin-Chu Industrial Park, Hsin-Chu,Taiwan 303 R.O.C.

Date of Receipt	:	Aug. 23, 2017
Issued Date	:	Dec. 01, 2017
Report No.	:	1780422R-RFUSP26V00
Report Version	:	V1.0

Testing Laboratory
3024

Test Report Certification

Issued Date : Dec. 01, 2017
Report No. : 1780422R-RFUSP26V00

Product Name	:	Gigabit Broadband Router
Applicant	:	DrayTek Corp.
Address	:	No.26,Fu Shing Rd., HuKou County,Hsin-Chu Industrial Park, Hsin-Chu,Taiwan 303 R.O.C.
Manufacturer	:	DrayTek Corp.
Model No.	:	Vigor2133Vac, Vigor2133FVac, Vigor2762Vac, Vigor2133, Vigor2133n, Vigor2133ac, Vigor2133V, Vigor2133Vn, Vigor2133F, Vigor2133Fn, Vigor2133Fac, Vigor2133FV, Vigor2133FVn, Vigor2762, Vigor2762n, Vigor2762ac, Vigor2762V, Vigor2762Vn, Vigor2762e, Vigor2762ne, Vigor2762ace, Vigor2762Ve, Vigor2762Vne, Vigor2762Vace
FCC ID.	:	VGY2133
EUT Test Voltage	:	AC 100-240V, 50-60Hz
Testing Voltage	:	AC 120V/60Hz
Trade Name	:	DrayTek
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart C Section 15.247: 2016 ANSI C63.10: 2013 KDB 558074 D01 v03r04 / KDB 662911 D01 V02r01
Laboratory Name	:	Hsin Chu Laboratory
Address	:	No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 310, Taiwan, R.O.C. TEL: +886-3-582-8001 / FAX: +886-3-582-8958
Test Result	:	Complied

Documented By :

(Carol Tsai / Senior Engineering Adm. Specialist)

Tested By :

(Elwin Lin / Assistant Engineer)

Approved By :

(Roy Wang / Director)

Revision History

Report No.	Version	Description	Issued Date
1780422R-RFUSP26V00	V1.0	Initial issue of report	Dec. 01, 2017

TABLE OF CONTENTS

1. General Information

1.1. EUT Description

Product Name	Gigabit Broadband Router	
Trade Name	DrayTek	
Model No.	Vigor2133Vac, Vigor2133FVac, Vigor2762Vac, Vigor2133, Vigor2133n, Vigor2133ac, Vigor2133V, Vigor2133Vn, Vigor2133F, Vigor2133Fn, Vigor2133Fac, Vigor2133FV, Vigor2133FVn, Vigor2762, Vigor2762n, Vigor2762ac, Vigor2762V, Vigor2762Vn, Vigor2762e, Vigor2762ne, Vigor2762ace, Vigor2762Ve, Vigor2762Vne, Vigor2762Vace	
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 802.11g	6, 9, 18, 24, 36, 48, 54Mbps
	IEEE 802.11n	Support a subset of the combination of GI, MCS 0~MCS 15 and bandwidth defined in 802.11n

Antenna Information	
Antenna Type	Dipole antenna
Antenna Gain	1.95 dBi

Accessories Information	
Power Adapter 1	CWT, 2ABL024F I/P : 100-240V~47-63Hz 0.8A O/P : 12.0V ⎓ 2.0A Cable Out: Non-Shielded, 1.5m
Power Adapter 2	CWT, 2ABB018F I/P : 100-240V~47-63Hz 0.6A O/P : 12.0V ⎓ 1.5A Cable Out: Non-Shielded, 1.5m
Antenna	2 PCS

IEEE 802.11n

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

Table 1 – MCS parameters for TX Antenna number = 1

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

Table 2 – MCS parameters for TX Antenna number = 2

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

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

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

IEEE 802.11n (40MHz)

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

Note:

1. This device is a Gigabit Broadband Router supports 2.4GHz b/g/n and 5GHz a/n/ac and transmitting and receiving function.
2. Regards to the frequency band operation; the lowest、middle and highest frequency of channel were selected to perform the test, and then shown on this report.
3. The different of the each model is shown as below:

				Wireless		VoIP	
	Model Name	WAN	LAN	Wi-Fi 2.4G (2x2)	Wi-Fi 5G (2x2)	2 x FXS	USB
1	Vigor2133	Eth/RJ45	Eth/RJ45x4				v
2	Vigor2133n	Eth/RJ45	Eth/RJ45x4	v			v
3	Vigor2133ac	Eth/RJ45	Eth/RJ45x4	v	v		v
4	Vigor2133V	Eth/RJ45	Eth/RJ45x4			v	v
5	Vigor2133Vn	Eth/RJ45	Eth/RJ45x4	v		v	v
6	Vigor2133Vac	Eth/RJ45	Eth/RJ45x4	v	v	v	v
7	Vigor2133F	Eth/SFP	Eth/RJ45x4				v
8	Vigor2133Fn	Eth/SFP	Eth/RJ45x4	v			v
9	Vigor2133Fac	Eth/SFP	Eth/RJ45x4	v	v		v
10	Vigor2133FV	Eth/SFP	Eth/RJ45x4			v	v
11	Vigor2133FVn	Eth/SFP	Eth/RJ45x4	v		v	v
12	Vigor2133FVac	Eth/SFP	Eth/RJ45x4	v	v	v	v
13	Vigor2762	VDSL2/ADSL2+/RJ11	Eth/RJ45x4				v
14	Vigor2762n	VDSL2/ADSL2+/RJ11	Eth/RJ45x4	v			v
15	Vigor2762ac	VDSL2/ADSL2+/RJ11	Eth/RJ45x4	v	v		v
16	Vigor2762V	VDSL2/ADSL2+/RJ11	Eth/RJ45x4			v	v
17	Vigor2762Vn	VDSL2/ADSL2+/RJ11	Eth/RJ45x4	v		v	v
18	Vigor2762Vac	VDSL2/ADSL2+/RJ11	Eth/RJ45x4	v	v	v	v
19	Vigor2762e	VDSL2/ADSL2+/RJ11	Eth/RJ45x2				v
20	Vigor2762ne	VDSL2/ADSL2+/RJ11	Eth/RJ45x2	v			v
21	Vigor2762ace	VDSL2/ADSL2+/RJ11	Eth/RJ45x2	v	v		v
22	Vigor2762Ve	VDSL2/ADSL2+/RJ11	Eth/RJ45x2			v	v
23	Vigor2762Vne	VDSL2/ADSL2+/RJ11	Eth/RJ45x2	v		v	v
24	Vigor2762Vace	VDSL2/ADSL2+/RJ11	Eth/RJ45x2	v	v	v	v

1.2. Test Mode

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

TX	Mode 1: TX SISO_ADP 1 Mode 2: TX MIMO_ADP 1 Mode 3: TX MIMO_ADP 2

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

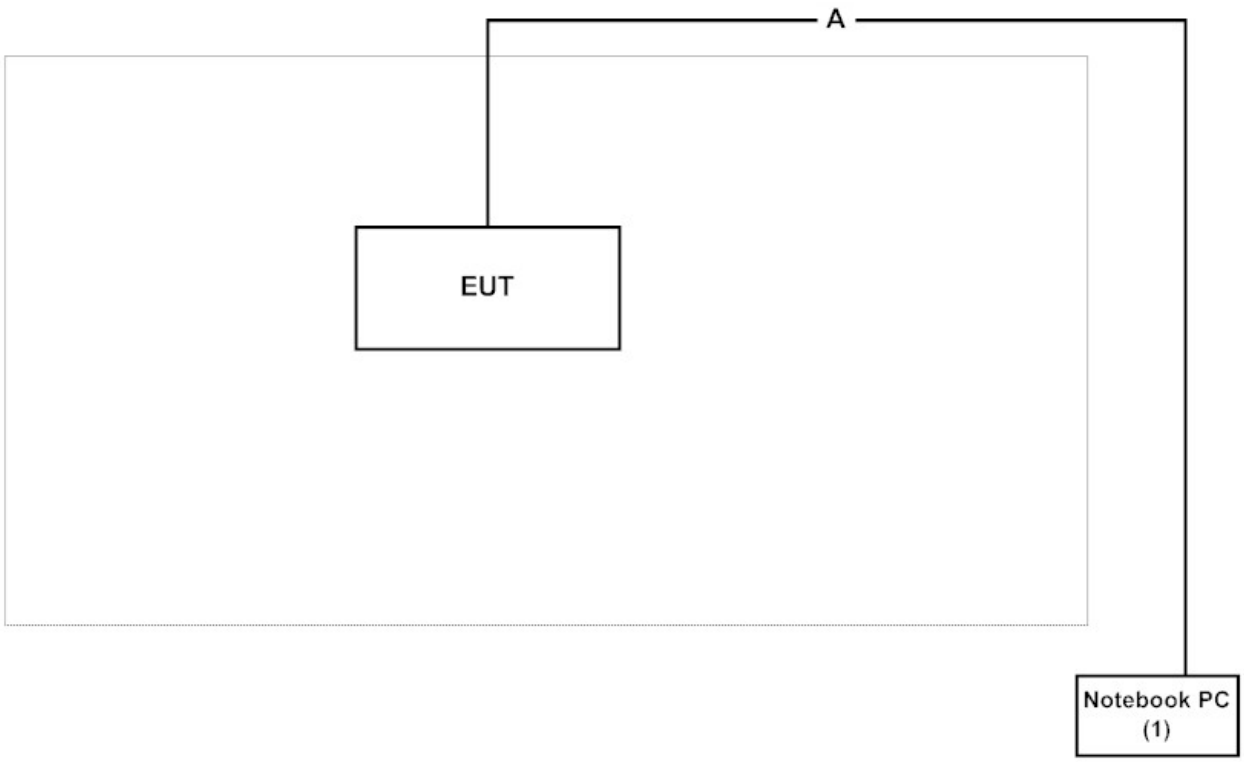
1.3. Tested System Details

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

Product		Manufacturer	Model No.	Serial No.	FCC ID	Power Cord
1	Notebook PC	Lenovo	B590	WB1529782	DoC	Non-Shielded, 1.8m, one ferrite core bonded

1.4. Configuration of tested System

Connection Diagram



Signal Cable Type		Signal cable Description
A	LAN Cable	Non-Shielded, 4m

1.5. EUT Exercise Software

1	Setup the EUT as shown in Section 1.4.
2	Execute the “command” on the laptop.
3	Configure the test mode, the test channel, and the data rate.
4	Verify that the EUT works properly.

1.6. Test Facility

Ambient conditions in the laboratory:

Items	Test Item	Required (IEC 68-1)	Actual	Test Site
Temperature (°C)	FCC PART 15 C 15.207 Conducted Emission	15 - 35	20	3
Humidity (%RH)		25 - 75	50	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 Peak Power Output	15 - 35	25	3
Humidity (%RH)		25 - 75	45	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 Radiated Emission	15 - 35	25	2
Humidity (%RH)		25 - 75	65	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 RF antenna conducted test	15 - 35	25	3
Humidity (%RH)		25 - 75	45	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 Band Edge	15 - 35	25	2
Humidity (%RH)		25 - 75	48	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 Occupied Bandwidth & DTS Bandwidth	15 - 35	25	3
Humidity (%RH)		25 - 75	45	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 Power Density	15 - 35	25	3
Humidity (%RH)		25 - 75	45	
Barometric pressure (mbar)		860 - 1060	950-1000	

Note: Test site information refers to Laboratory Information.

The related certificate for our laboratories about the test site and management system can be downloaded from DEKRA Testing and Certification Co., Ltd. Web Site :
http://www.dekra.com.tw/english/about/certificates.aspx?bval=5
The address and introduction of DEKRA Testing and Certification Co., Ltd. laboratories can be founded in our Web site : http://www.dekra.com.tw/index_en.aspx

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

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1.7. Duty Cycle

Modulation	Duty cycle	Radiated offset
802.11b(SISO)	≒98%	--
802.11g(SISO)	≒98%	--
802.11n20(MIMO)	≒80%	2.04
802.11n40(MIMO)	≒70%	3.31

Note:

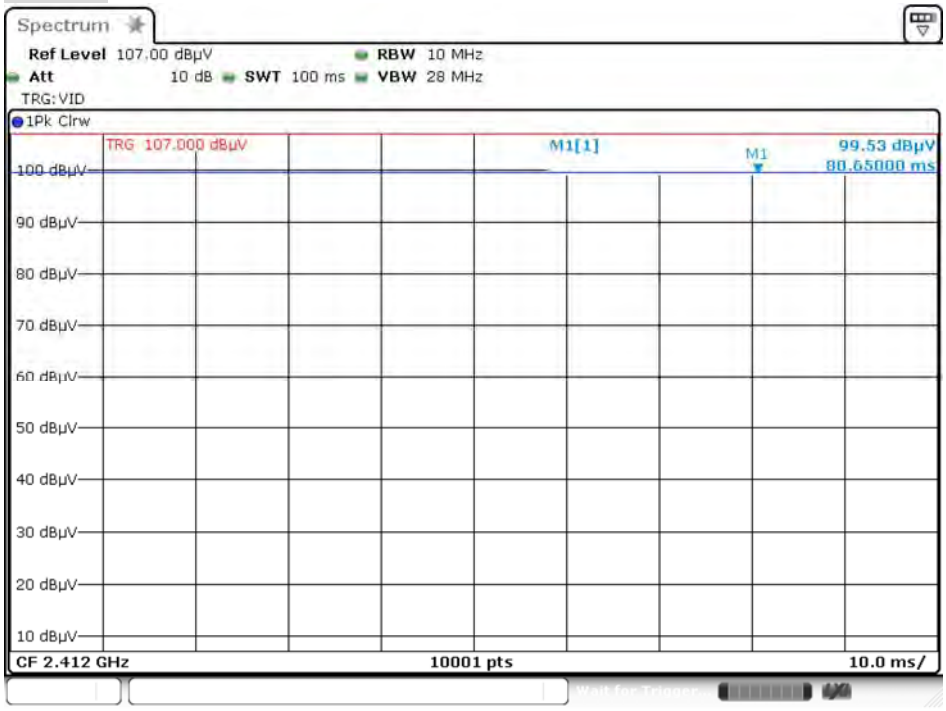
Offset = 20 log(1/duty cycle)

Accotding to KDB 789033

If power averaging (rms) mode was used in step (iv) above, the correction factor is 10 log (1/x), where x is the duty cycle. For example, if the transmit duty cycle was 50%, then 3 dB must be added to the measured emission levels.

If linear voltage averaging mode was used in step (iv) above, the correction factor is 20 log (1/x), where x is the duty cycle. For example, if the transmit duty cycle was 50%, then 6 dB must be added to the measured emission levels.

802.11b



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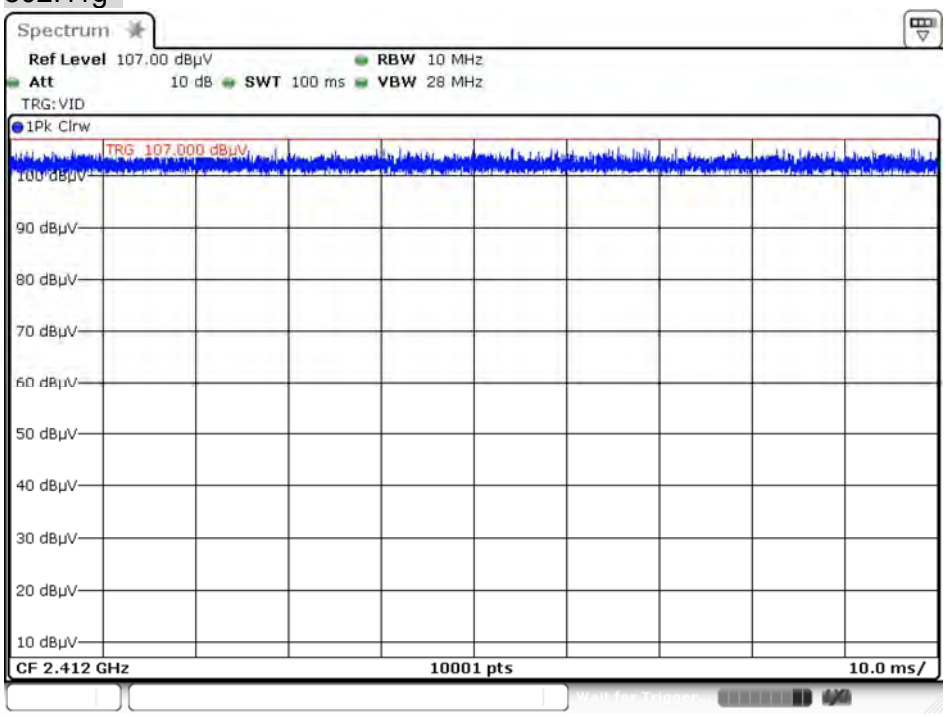
802.11g



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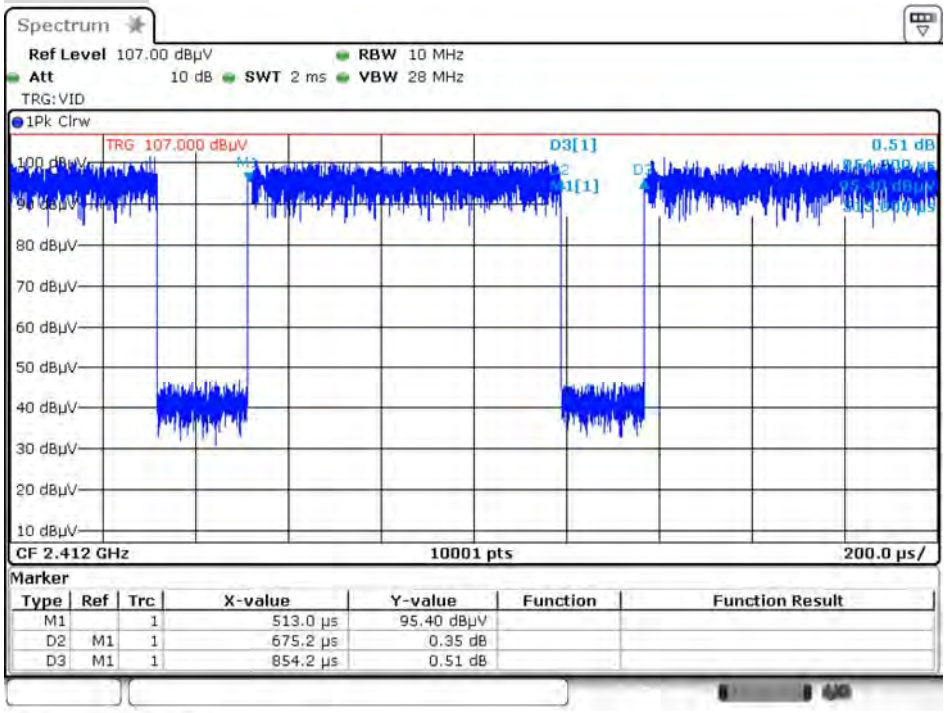
802.11n 20



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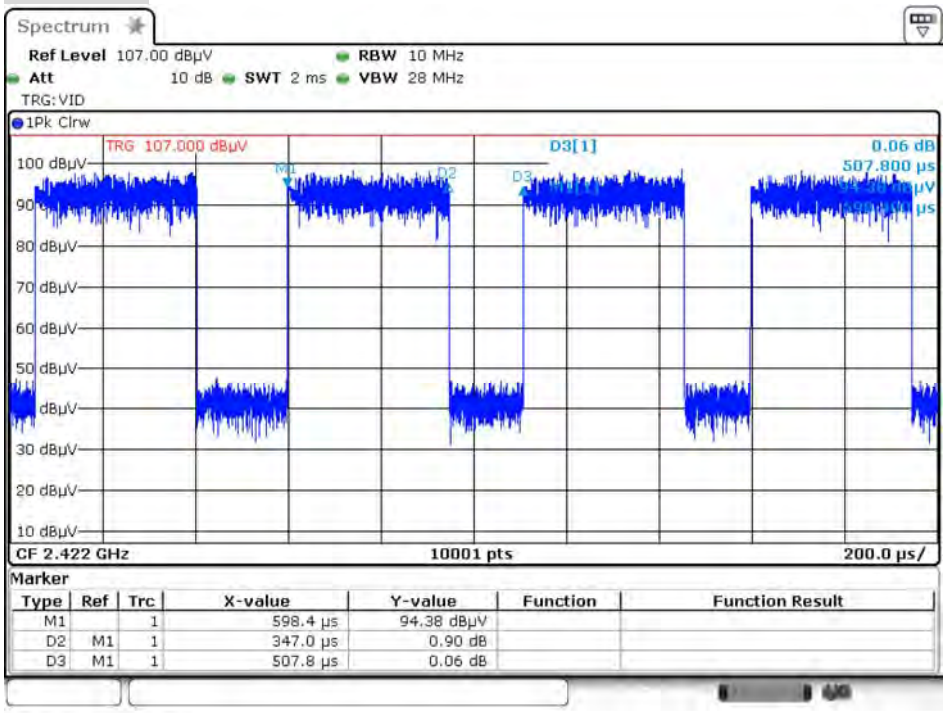
802.11n 40



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2. Conducted Emission

2.1. Test Equipment

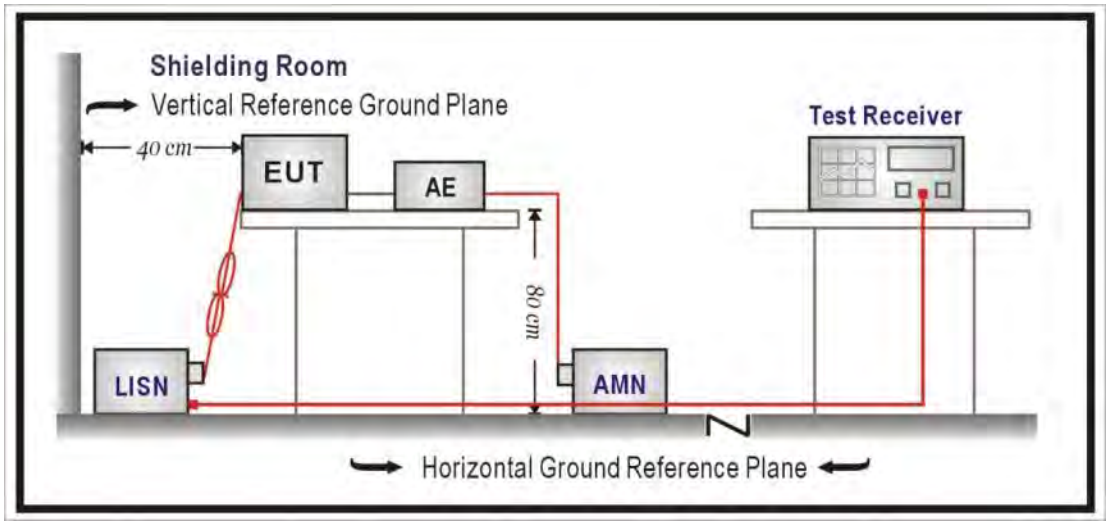
The following test equipment are used during the test:

Conducted Emission /SR2-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Artificial Mains Network	R&S	ENV4200	848411/010	2017/02/06	2018/02/05
Test Receiver	R&S	ESCS 30	836858/022	2017/04/12	2018/04/11
LISN	R&S	ENV216	100092	2017/07/31	2018/07/30

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

2.5. Test Specification

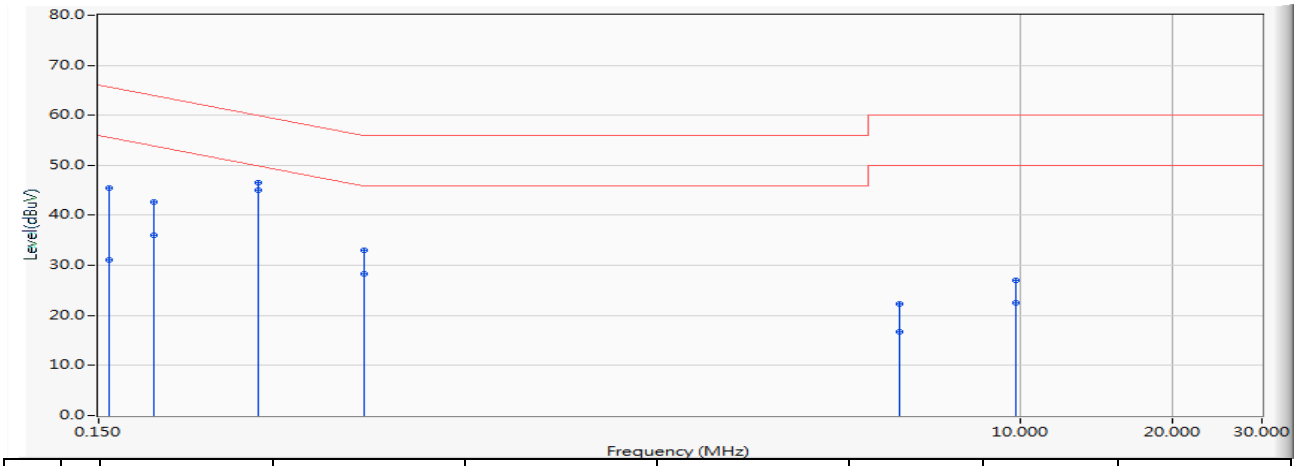
According to FCC Part 15 Subpart C Paragraph 15.207: 2015

2.6. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

2.7. Test Result

Site : SR2-H	**Time : 2017/11/15**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2-H_LISN(16A)-6_0712 - Line1	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 1 802.11n(40M)_2437MHz**

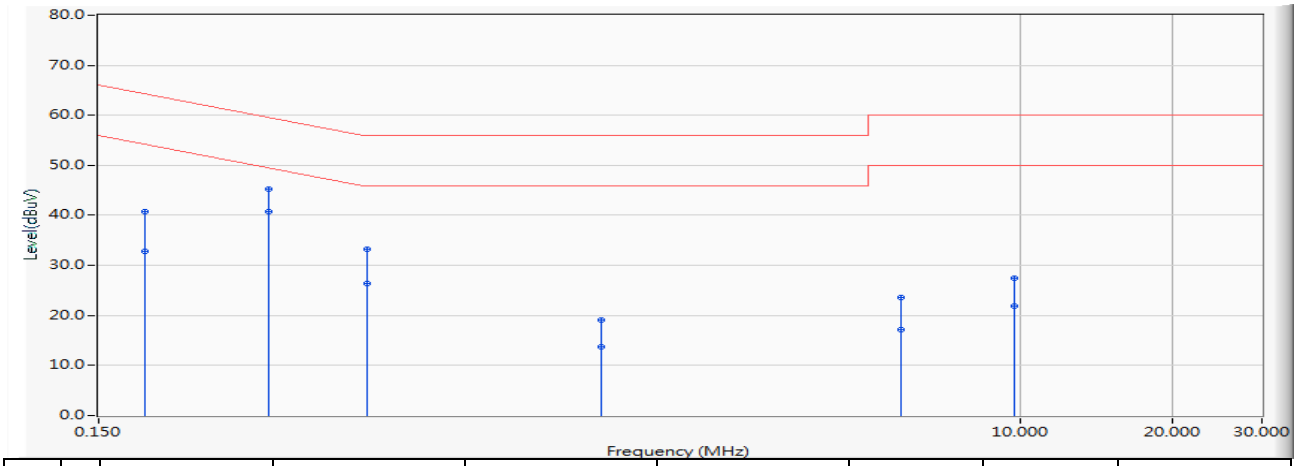


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.158	9.751	35.670	45.421	-20.157	65.578	QUASIPEAK
2		0.158	9.751	21.360	31.111	-24.467	55.578	AVERAGE
3		0.193	9.751	33.000	42.751	-21.157	63.908	QUASIPEAK
4		0.193	9.751	26.360	36.111	-17.797	53.908	AVERAGE
5		0.310	9.739	36.860	46.599	-13.367	59.966	QUASIPEAK
6	*	0.310	9.739	35.380	45.119	-4.847	49.966	AVERAGE
7		0.502	9.729	23.230	32.960	-23.040	56.000	QUASIPEAK
8		0.502	9.729	18.510	28.240	-17.760	46.000	AVERAGE
9		5.763	9.954	12.420	22.373	-37.627	60.000	QUASIPEAK
10		5.763	9.954	6.780	16.733	-33.267	50.000	AVERAGE
11		9.783	10.121	16.920	27.041	-32.959	60.000	QUASIPEAK
12		9.783	10.121	12.410	22.531	-27.469	50.000	AVERAGE

Note:

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

Site : SR2-H	**Time : 2017/11/15**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2-H_LISN(16A)-6_0712 - Line2	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 1 802.11n(40M)_2437MHz**

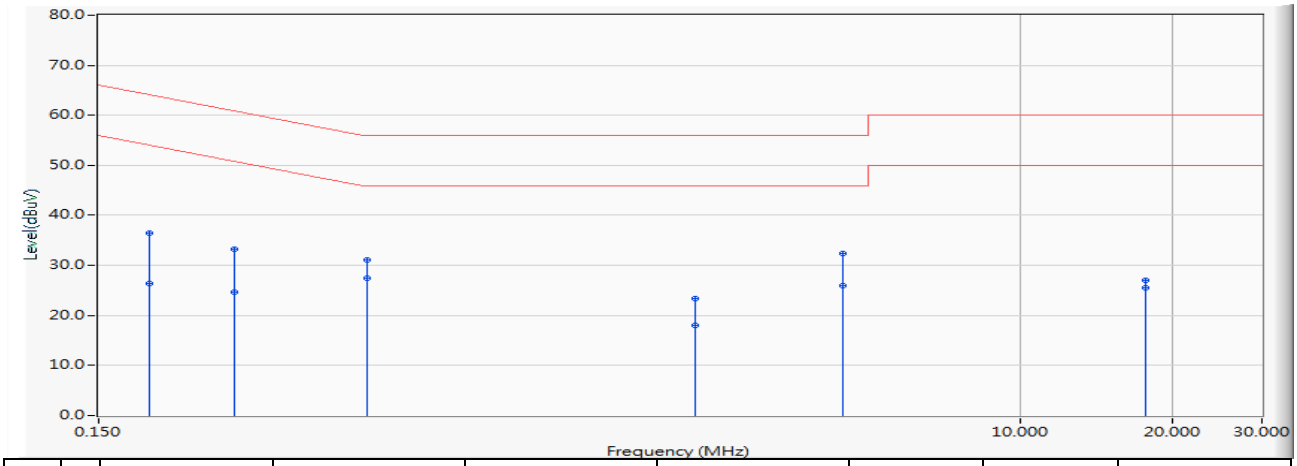


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.185	9.751	30.930	40.681	-23.570	64.251	QUASIPEAK
2		0.185	9.751	23.100	32.851	-21.400	54.251	AVERAGE
3		0.326	9.750	35.540	45.290	-14.268	59.558	QUASIPEAK
4	*	0.326	9.750	30.930	40.680	-8.878	49.558	AVERAGE
5		0.509	9.747	23.570	33.317	-22.683	56.000	QUASIPEAK
6		0.509	9.747	16.590	26.337	-19.663	46.000	AVERAGE
7		1.478	9.834	9.290	19.124	-36.876	56.000	QUASIPEAK
8		1.478	9.834	3.890	13.724	-32.276	46.000	AVERAGE
9		5.787	9.904	13.640	23.544	-36.456	60.000	QUASIPEAK
10		5.787	9.904	7.190	17.094	-32.906	50.000	AVERAGE
11		9.693	10.132	17.420	27.552	-32.448	60.000	QUASIPEAK
12		9.693	10.132	11.760	21.892	-28.108	50.000	AVERAGE

Note:

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

Site : SR2-H	**Time : 2017/11/15**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2-H_LISN(16A)-6_0712 - Line1	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 3: TX MIMO_ADP 2 802.11n(40M)_2437MHz**

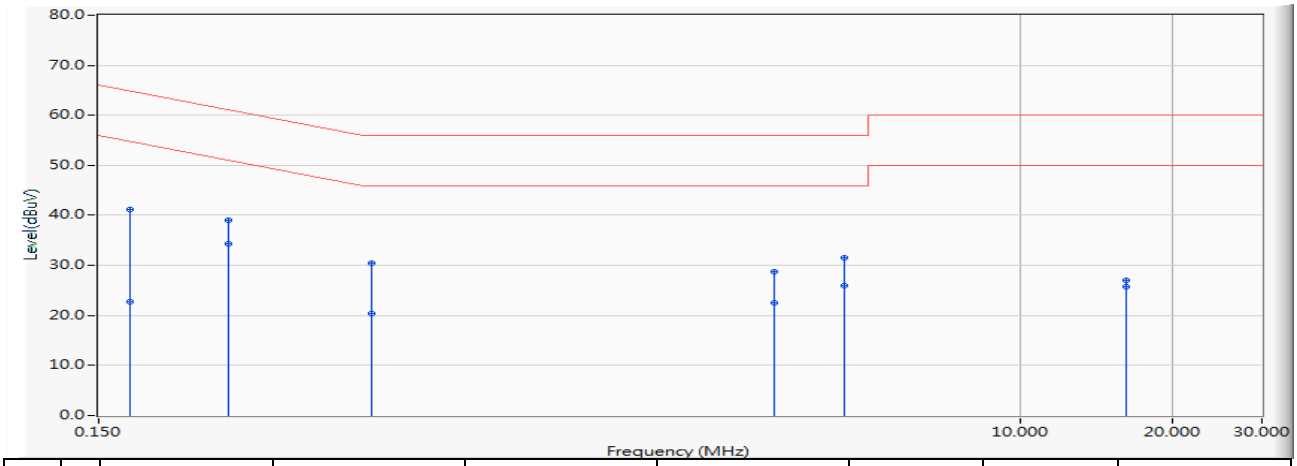


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.189	9.751	26.790	36.541	-27.537	64.078	QUASIPEAK
2		0.189	9.751	16.620	26.371	-27.707	54.078	AVERAGE
3		0.279	9.742	23.510	33.252	-27.596	60.848	QUASIPEAK
4		0.279	9.742	15.020	24.762	-26.086	50.848	AVERAGE
5		0.509	9.730	21.420	31.151	-24.849	56.000	QUASIPEAK
6	*	0.509	9.730	17.650	27.381	-18.619	46.000	AVERAGE
7		2.267	9.868	13.470	23.338	-32.662	56.000	QUASIPEAK
8		2.267	9.868	8.190	18.058	-27.942	46.000	AVERAGE
9		4.459	9.921	22.480	32.401	-23.599	56.000	QUASIPEAK
10		4.459	9.921	16.050	25.971	-20.029	46.000	AVERAGE
11		17.693	10.285	16.810	27.095	-32.905	60.000	QUASIPEAK
12		17.693	10.285	15.320	25.605	-24.395	50.000	AVERAGE

Note:

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

Site : SR2-H	**Time : 2017/11/15**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2-H_LISN(16A)-6_0712 - Line2	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 3: TX MIMO_ADP 2 802.11n(40M)_2437MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.173	9.753	31.420	41.173	-23.621	64.794	QUASIPEAK
2		0.173	9.753	13.010	22.763	-32.031	54.794	AVERAGE
3		0.271	9.750	29.230	38.980	-22.104	61.084	QUASIPEAK
4	*	0.271	9.750	24.520	34.270	-16.814	51.084	AVERAGE
5		0.521	9.748	20.660	30.408	-25.592	56.000	QUASIPEAK
6		0.521	9.748	10.570	20.318	-25.682	46.000	AVERAGE
7		3.255	9.844	18.940	28.784	-27.216	56.000	QUASIPEAK
8		3.255	9.844	12.580	22.424	-23.576	46.000	AVERAGE
9		4.486	9.849	21.590	31.439	-24.561	56.000	QUASIPEAK
10		4.486	9.849	16.140	25.989	-20.011	46.000	AVERAGE
11		16.166	10.354	16.590	26.944	-33.056	60.000	QUASIPEAK
12		16.166	10.354	15.320	25.674	-24.326	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

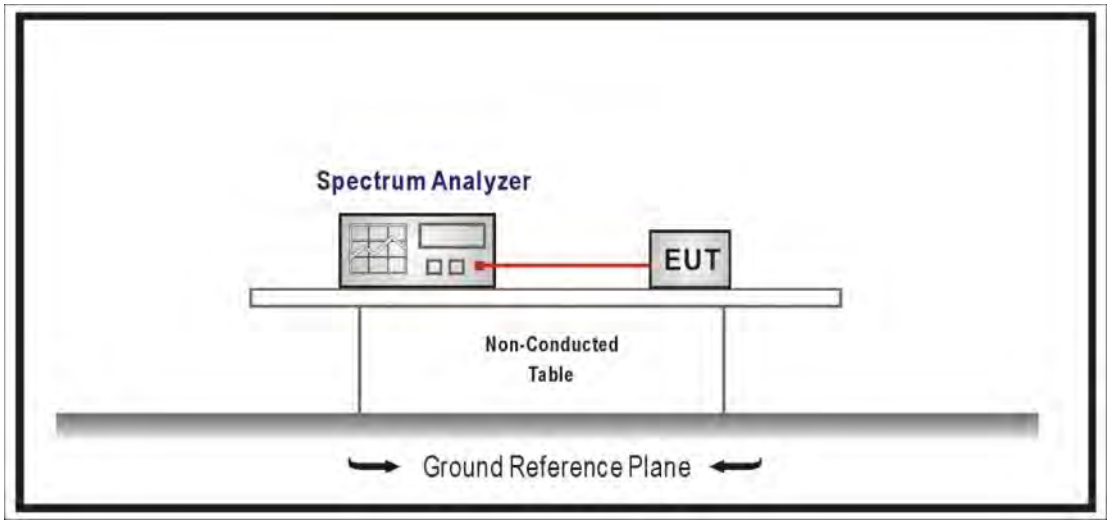
The following test equipment are used during the test:

Peak Power Output /SR10-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal & Spectrum Analyzer	R&S	FSV40	101049	2017/01/23	2018/01/22
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2017/03/13	2018/03/12
High Speed Peak Power Meter Dual Input	Anritsu	ML2496A	1602004	2017/01/20	2018/01/19

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

3.2. Test Setup



3.3. Test procedures

The EUT was tested according to DTS test procedure section 9.1.2 of KDB558074 D01V04, Measurement to FCC 47CFR 15.247 requirements.

3.4. Limits

The maximum peak power shall be less 1 Watt.

3.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2016

3.6. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB.

3.7. Test Result

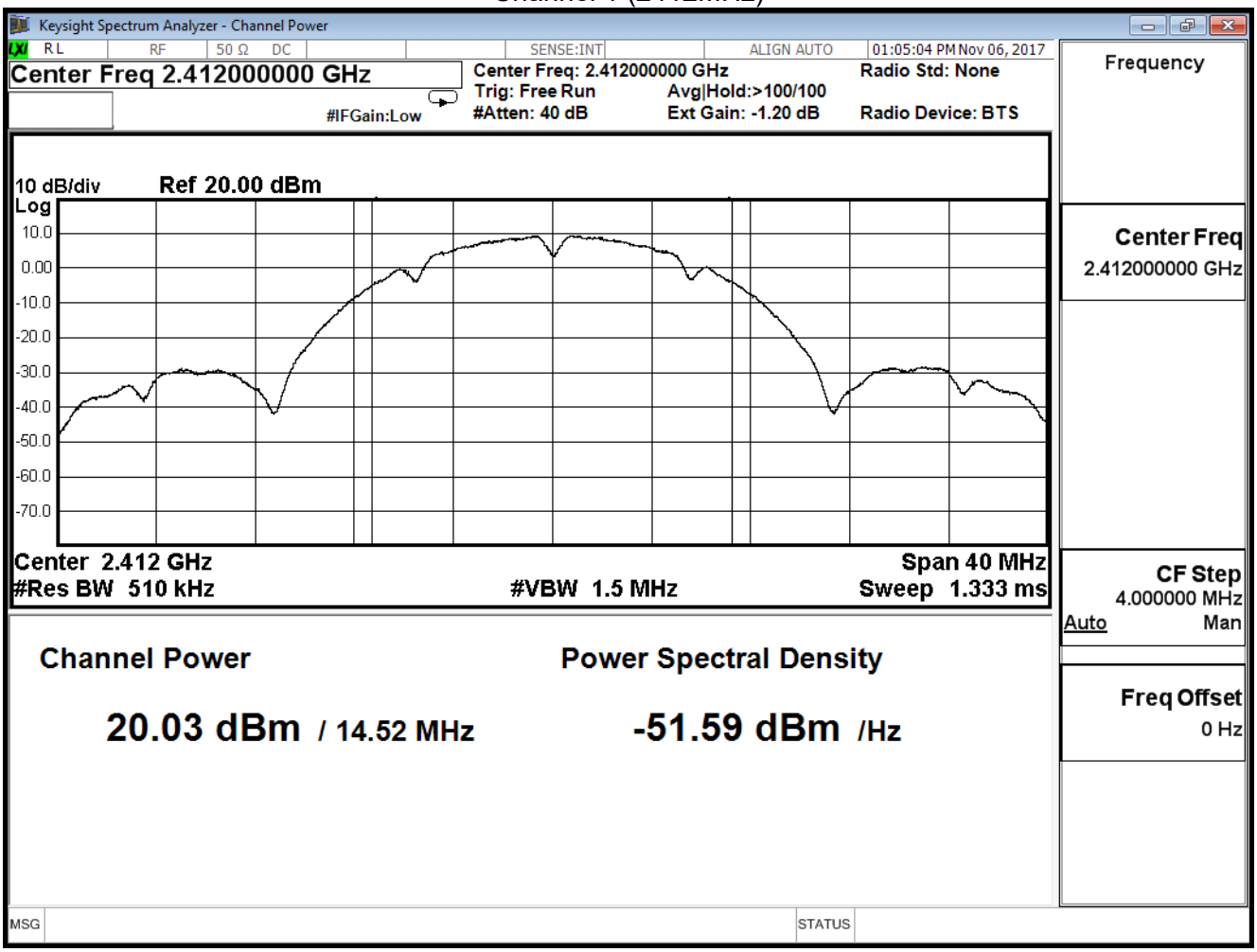
Product	Gigabit Broadband Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: TX SISO_ADP 1		
Date of Test	2017/11/06	Test Site	SR10-H

IEEE 802.11b (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	20.030	≦30
6	2437	21.140	≦30
11	2462	22.150	≦30

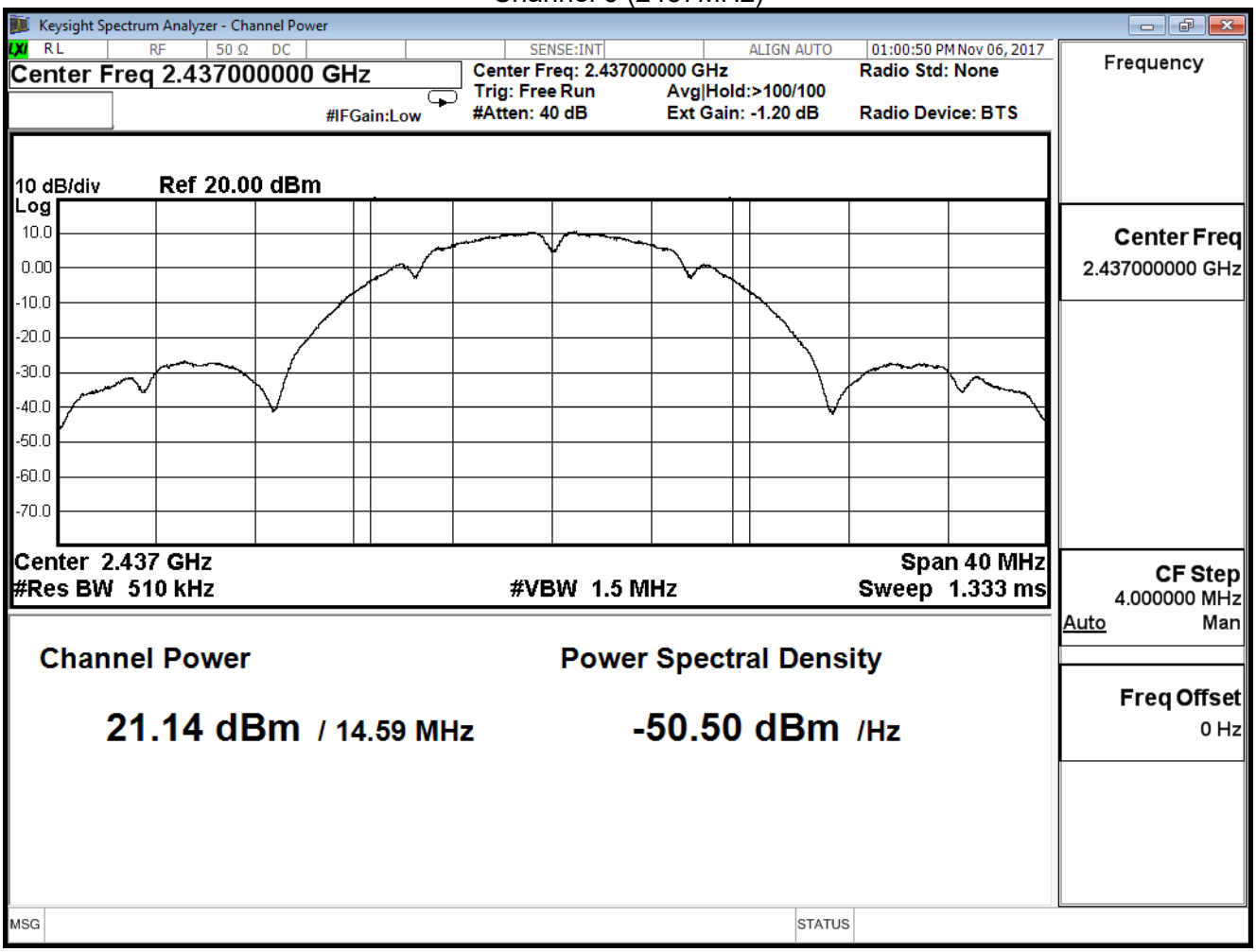
The worst emission of data rate is 1 Mbps

Peak Power Output (dBm)						
Channel No	Frequency (MHz)	Data Rate (Mbps)				Required Limit
		1	2	5.5	11	
1	2412	20.030	--	--	--	≦30
6	2437	21.140	20.890	20.680	20.370	≦30
11	2462	22.150	--	--	--	≦30

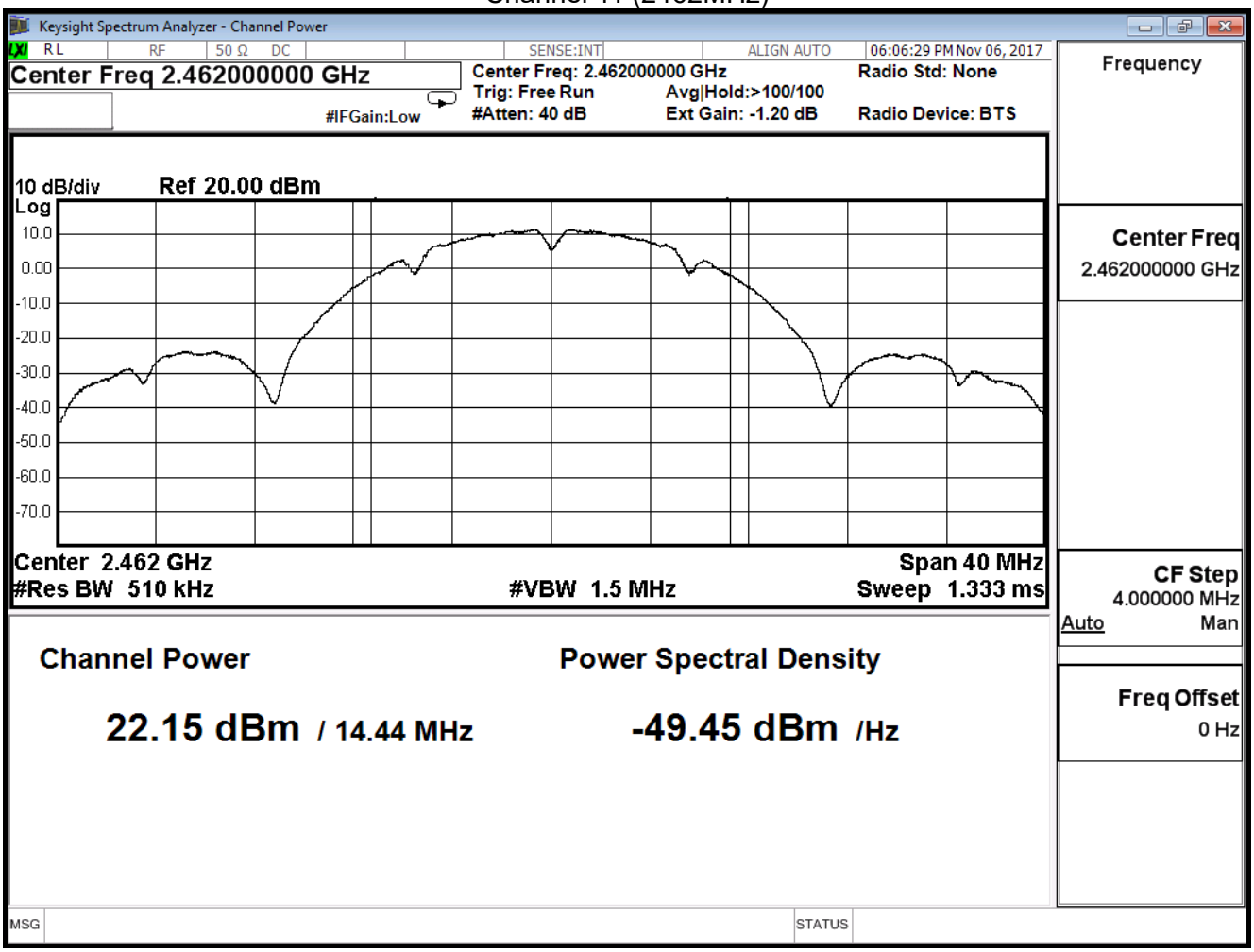
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



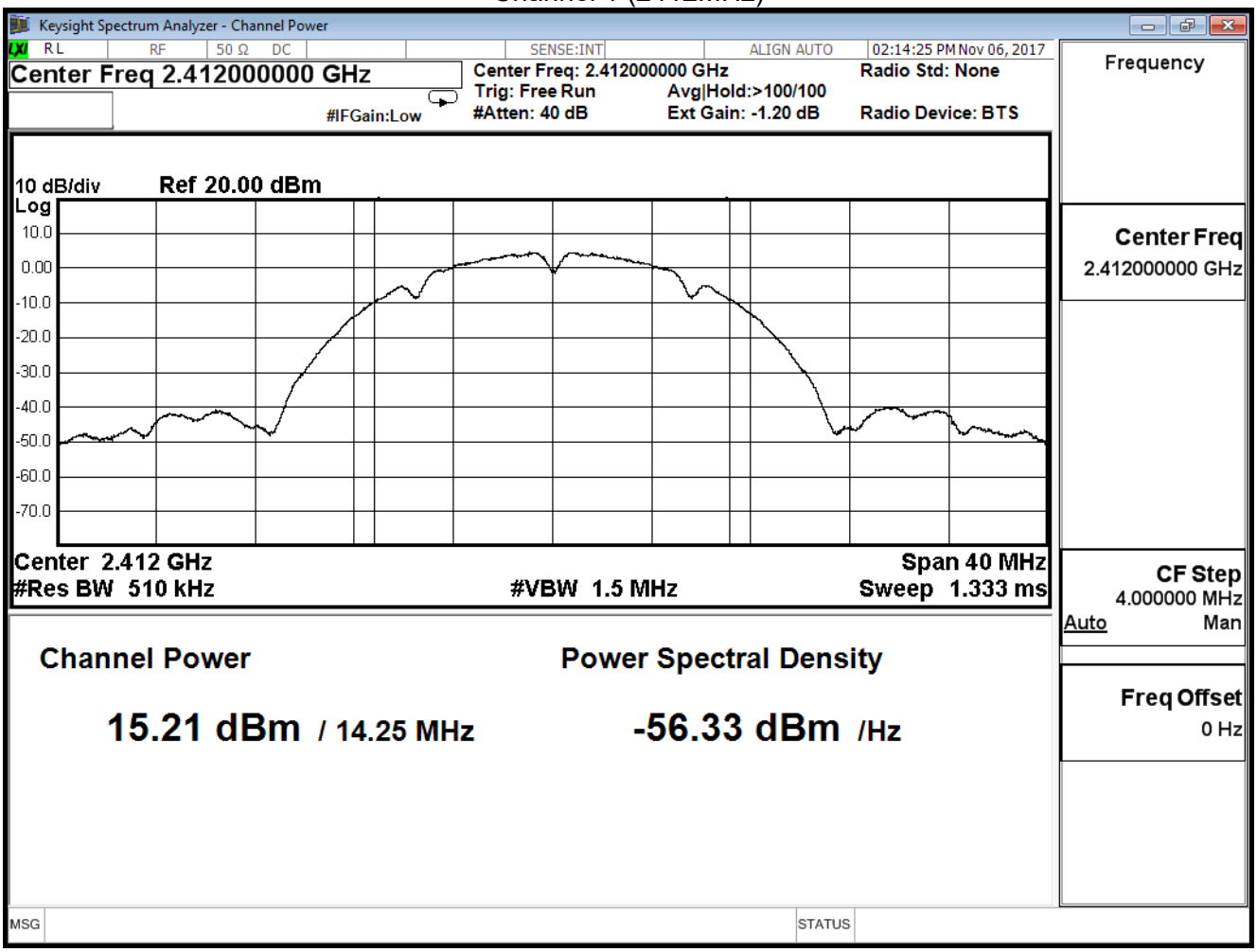
Product	Gigabit Broadband Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: TX SISO_ADP 1		
Date of Test	2017/11/06	Test Site	SR10-H

IEEE 802.11b (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	15.210	≦30
6	2437	14.800	≦30
11	2462	16.290	≦30

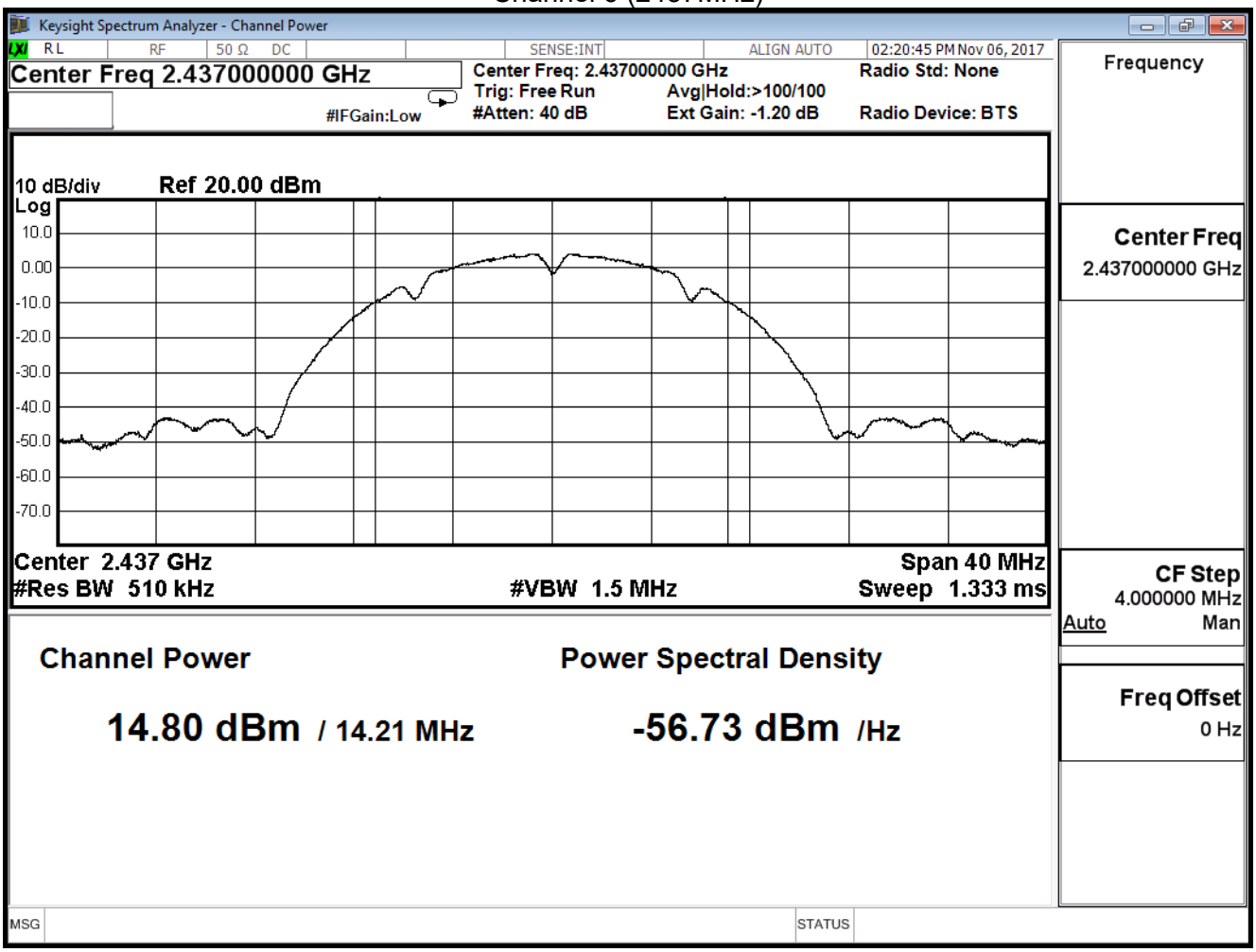
The worst emission of data rate is 1 Mbps

Peak Power Output (dBm)						
Channel No	Frequency (MHz)	Data Rate (Mbps)				Required Limit
		1	2	5.5	11	
1	2412	15.210	--	--	--	≦30
6	2437	14.800	14.610	14.280	14.110	≦30
11	2462	16.290	--	--	--	≦30

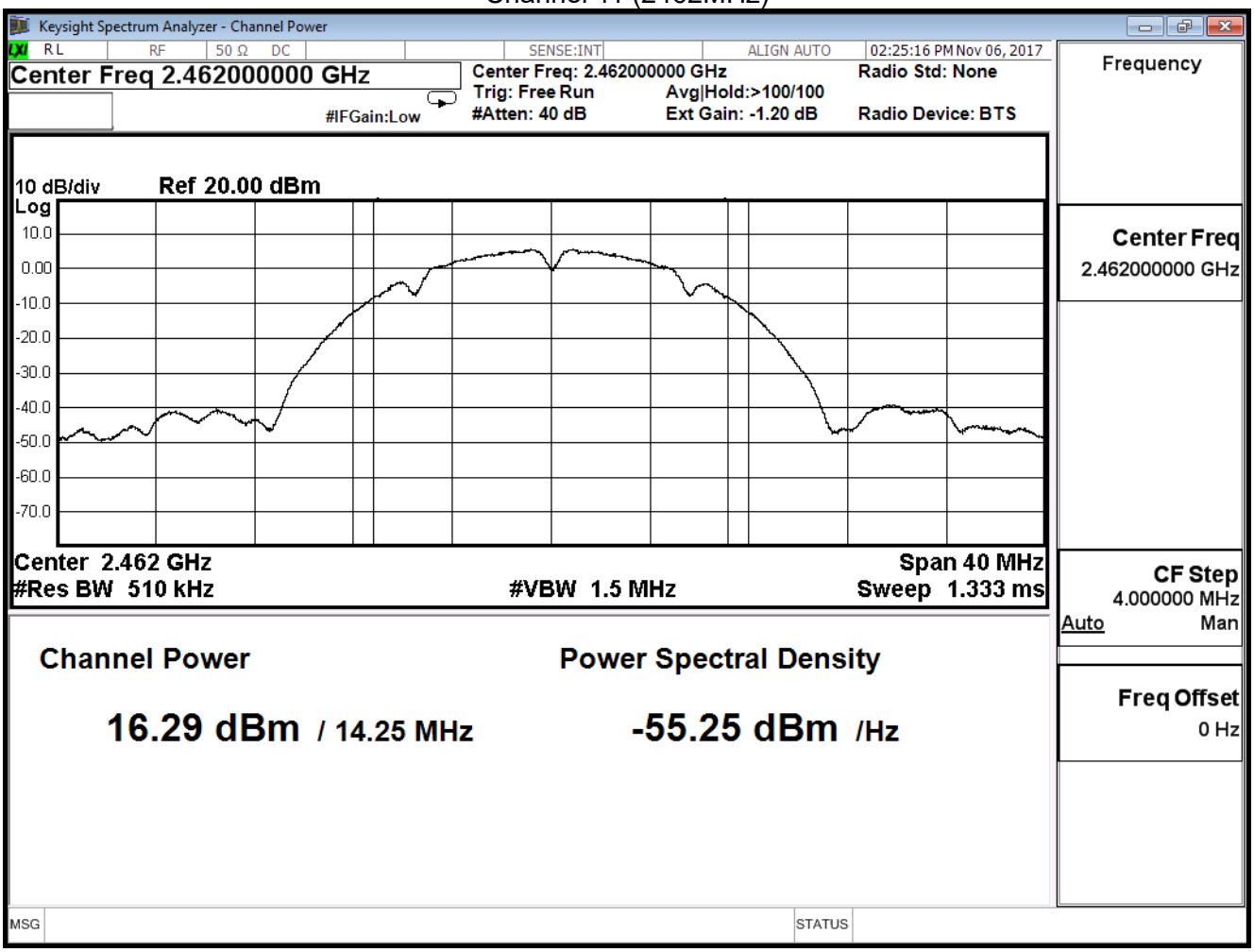
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



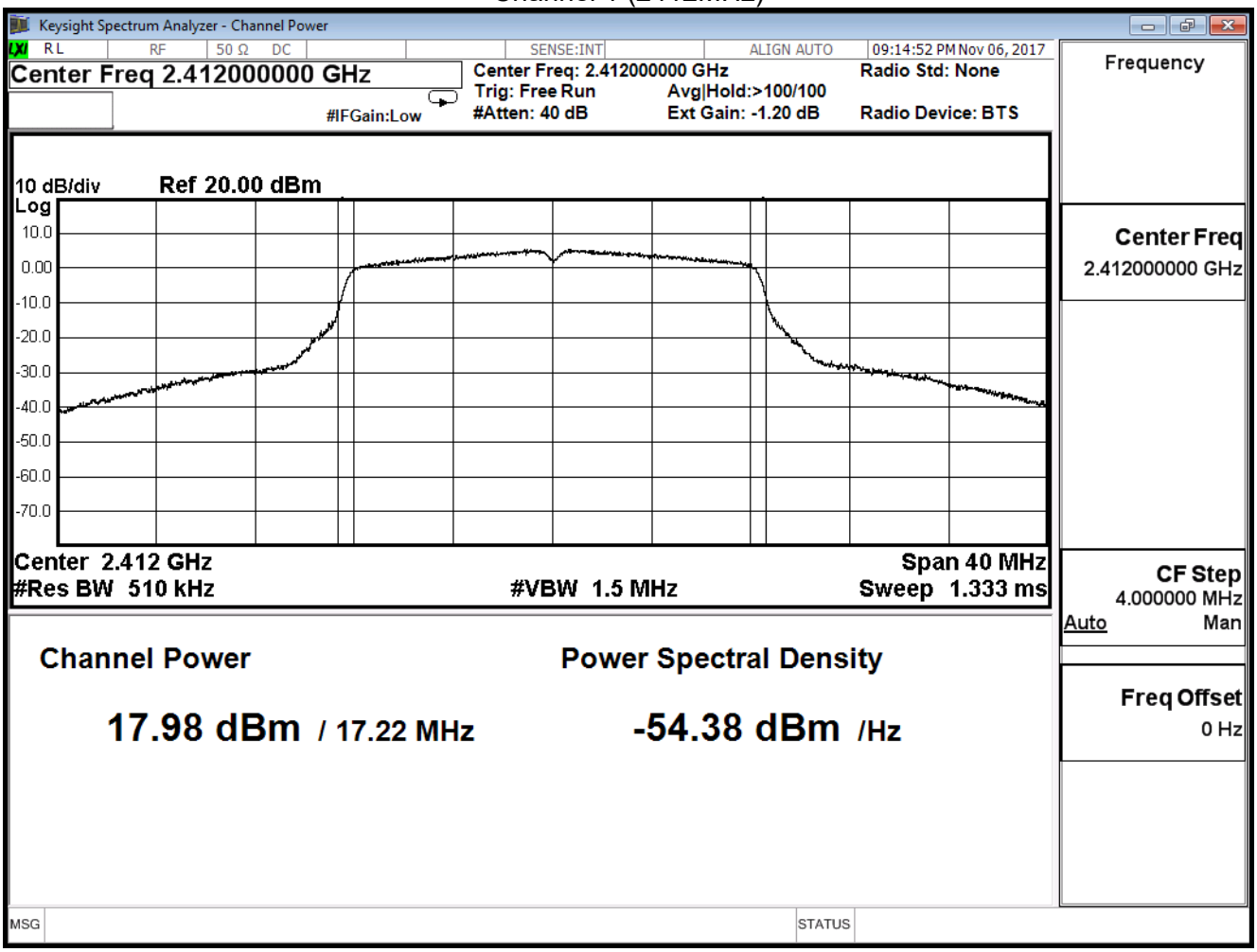
Product	Gigabit Broadband Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: TX SISO_ADP 1		
Date of Test	2017/11/06	Test Site	SR10-H

IEEE 802.11g (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	17.980	≦30
6	2437	22.600	≦30
11	2462	18.720	≦30

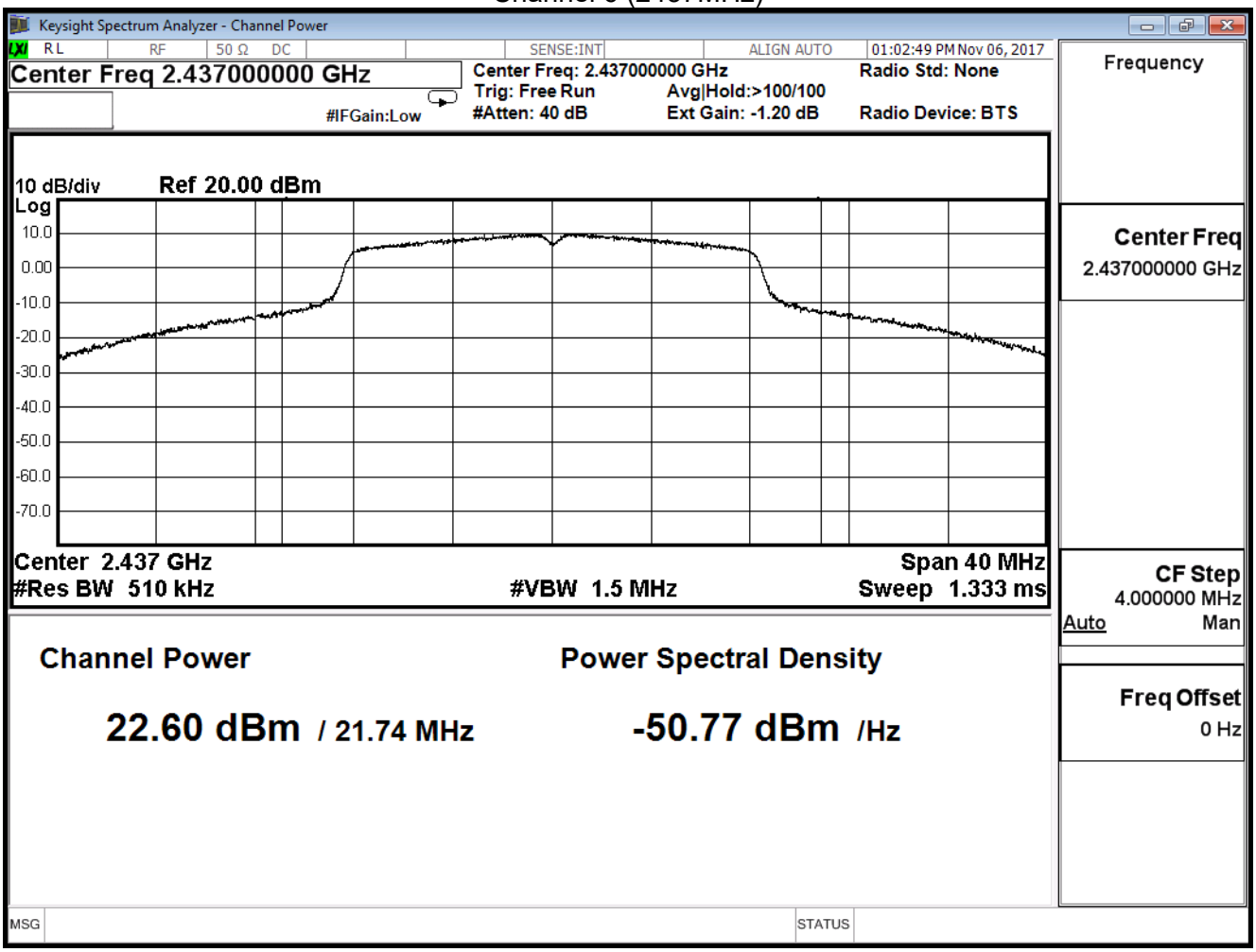
The worst emission of data rate is 6Mbps

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate (Mbps)							Required Limit
		6	12	18	24	36	48	54	
1	2412	17.980	--	--	--	--	--	--	≦30
6	2437	22.600	22.380	22.070	21.940	21.630	21.370	21.220	≦30
11	2462	18.720	--	--	--	--	--	--	≦30

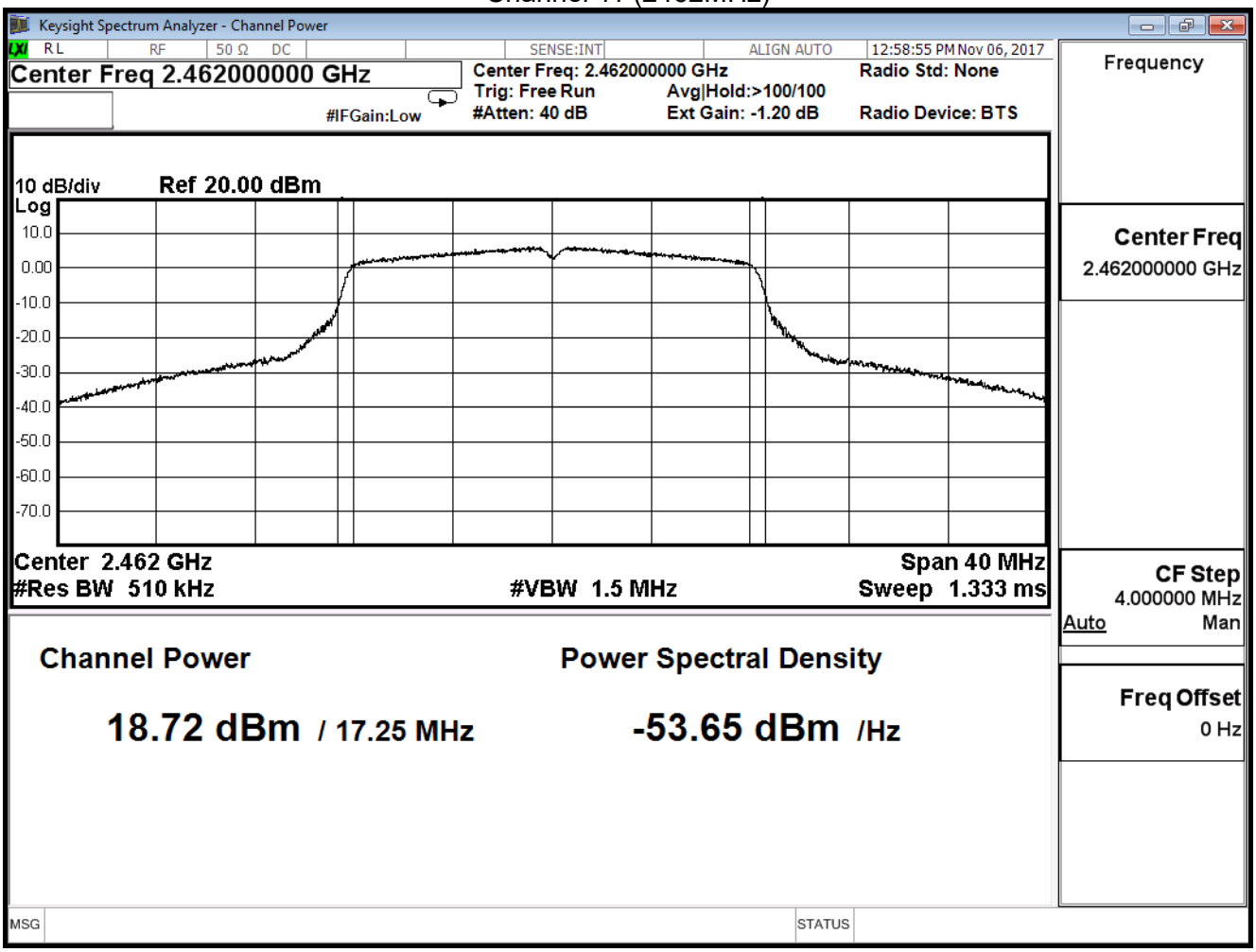
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



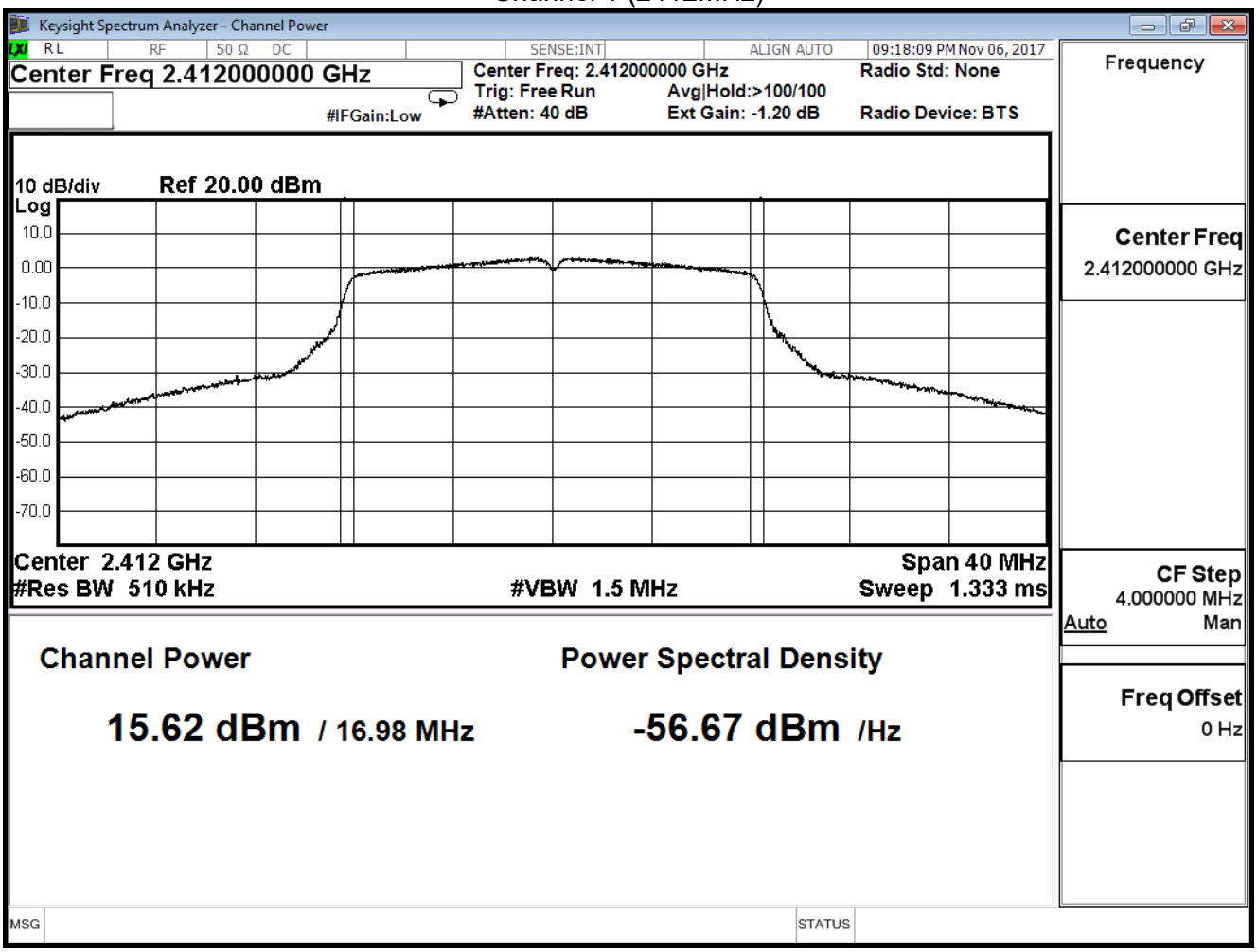
Product	Gigabit Broadband Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: TX SISO_ADP 1		
Date of Test	2017/11/06	Test Site	SR10-H

IEEE 802.11g (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	15.620	≦30
6	2437	20.610	≦30
11	2462	16.920	≦30

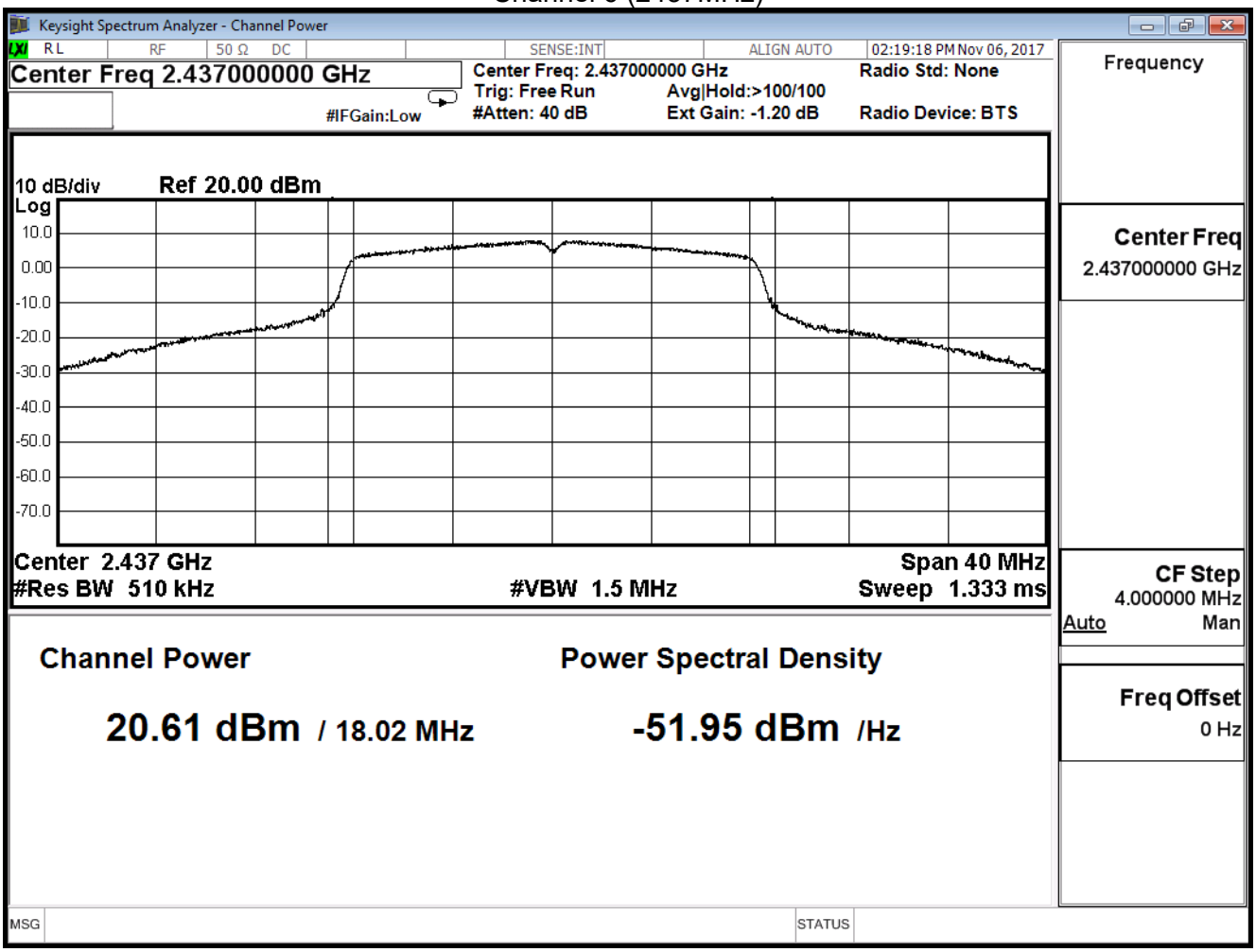
The worst emission of data rate is 6Mbps

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate (Mbps)							Required Limit
		6	12	18	24	36	48	54	
1	2412	15.620	--	--	--	--	--	--	≦30
6	2437	20.610	20.400	20.080	19.890	19.600	19.310	19.220	≦30
11	2462	16.920	--	--	--	--	--	--	≦30

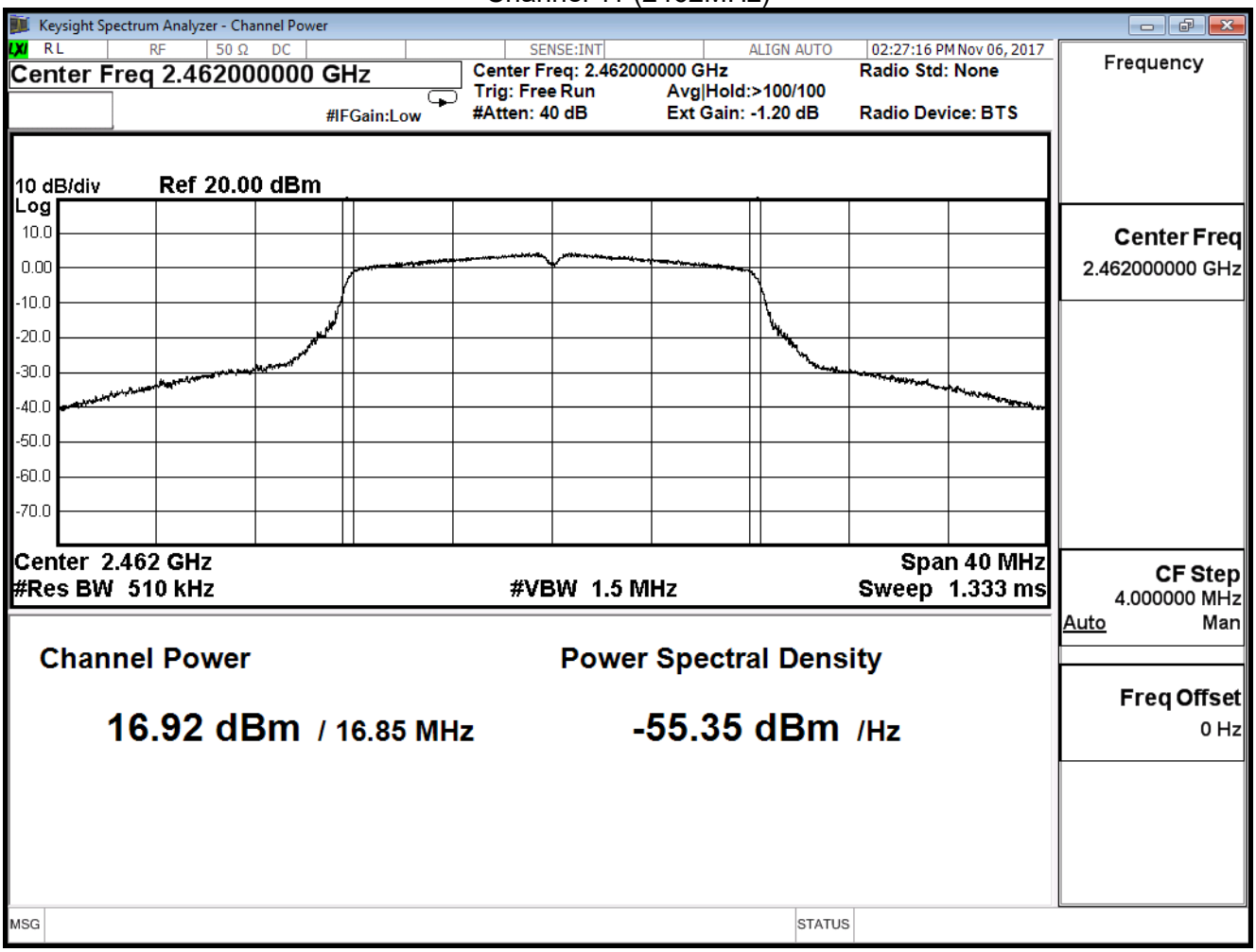
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



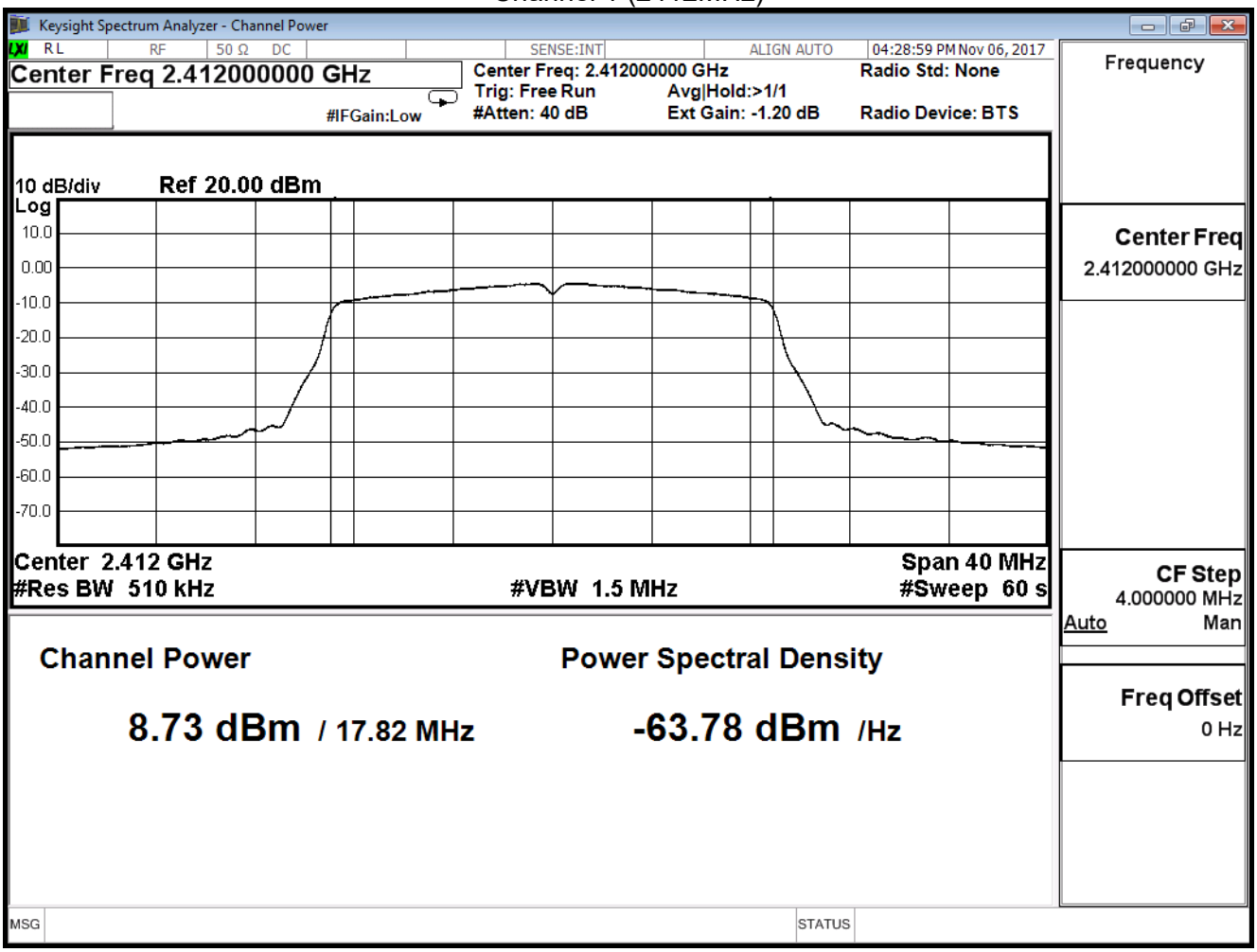
Product	Gigabit Broadband Router		
Test Item	Peak Power Output		
Test Mode	Mode 2: TX MIMO_ADP 1		
Date of Test	2017/11/06	Test Site	SR10-H

IEEE 802.11n(20MHz) (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	8.730	≦30
6	2437	17.390	≦30
11	2462	8.710	≦30

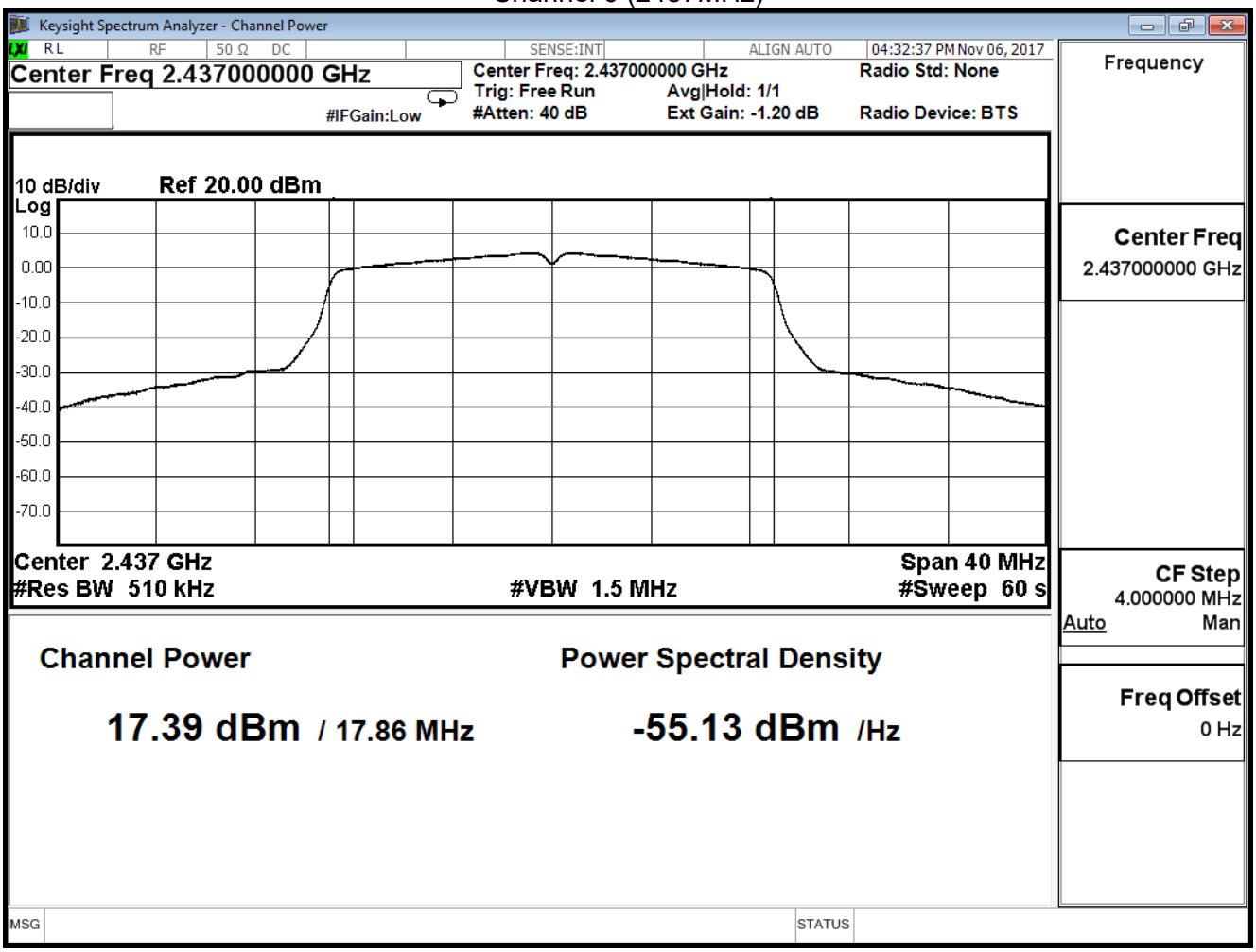
The worst emission of data rate is MCS 8

Peak Power Output (dBm)										
Channel No	Frequency (MHz)	MCS index								Required Limit
		8	9	10	11	12	13	14	15	
1	2412	8.730	--	--	--	--	--	--	--	≦30
6	2437	17.390	17.150	16.940	16.700	16.480	16.220	16.020	15.790	≦30
11	2462	8.710	--	--	--	--	--	--	--	≦30

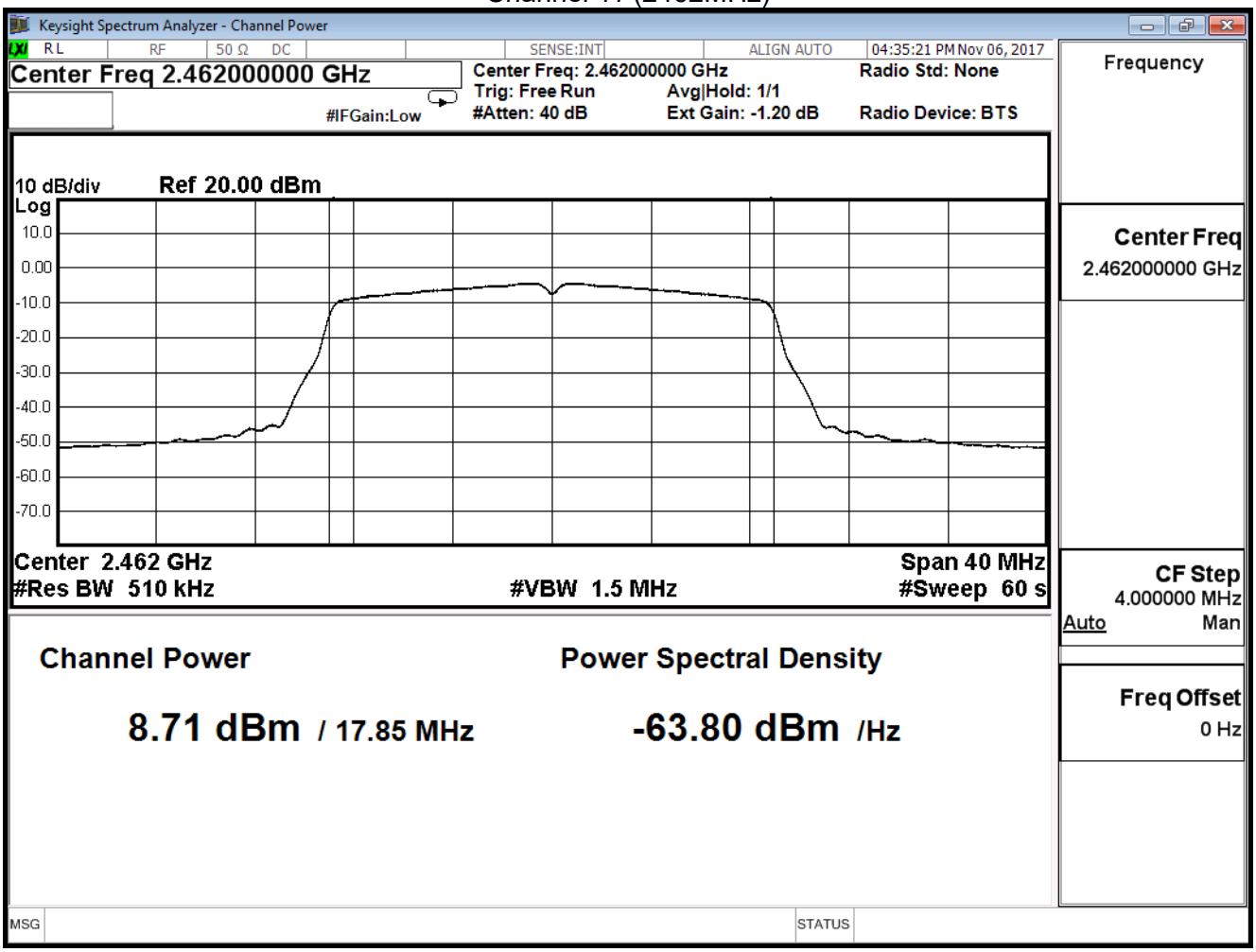
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



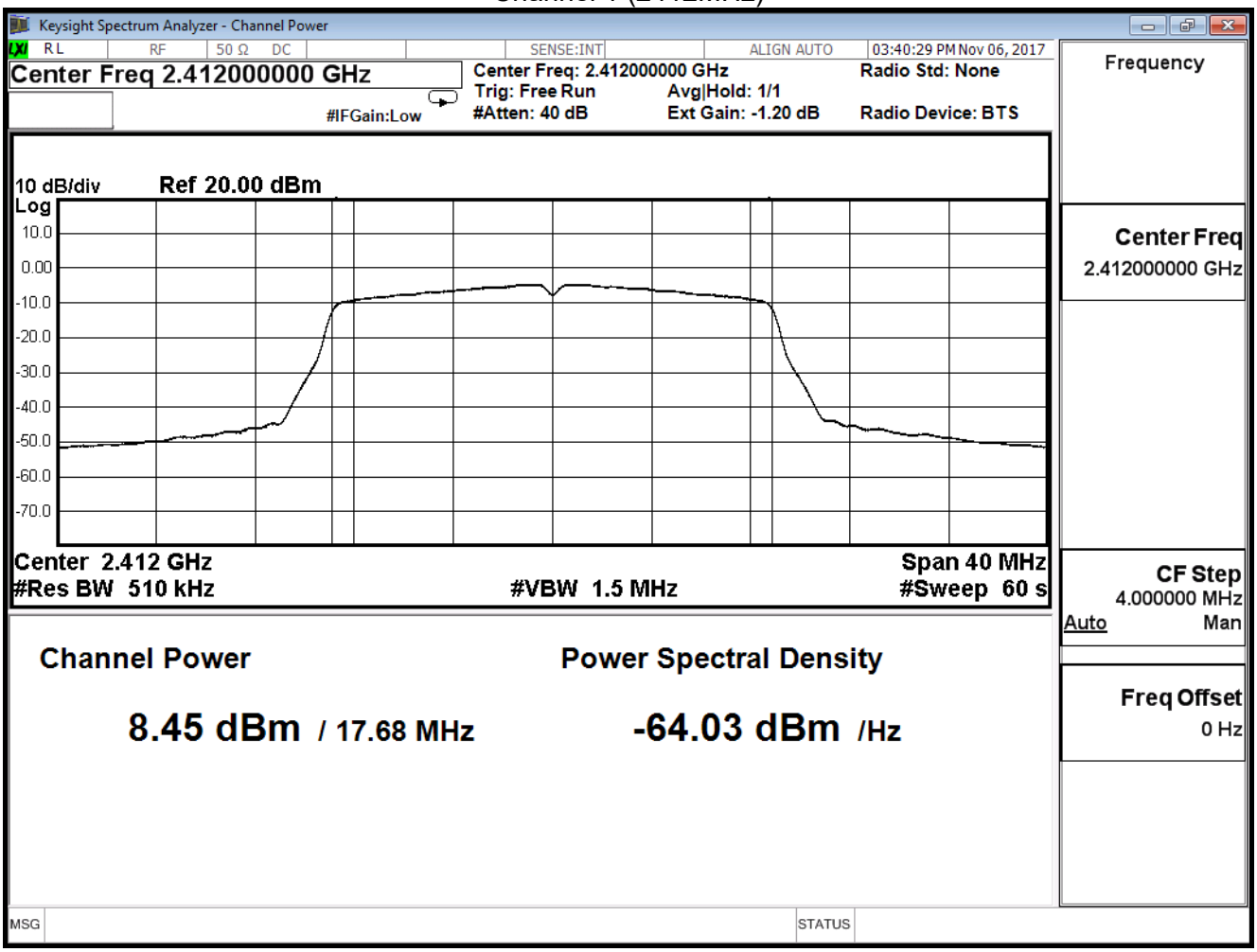
Product	Gigabit Broadband Router		
Test Item	Peak Power Output		
Test Mode	Mode 2: TX MIMO_ADP 1		
Date of Test	2017/11/17	Test Site	SR10-H

IEEE 802.11n(20MHz) (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	8.450	≦30
6	2437	16.960	≦30
11	2462	8.550	≦30

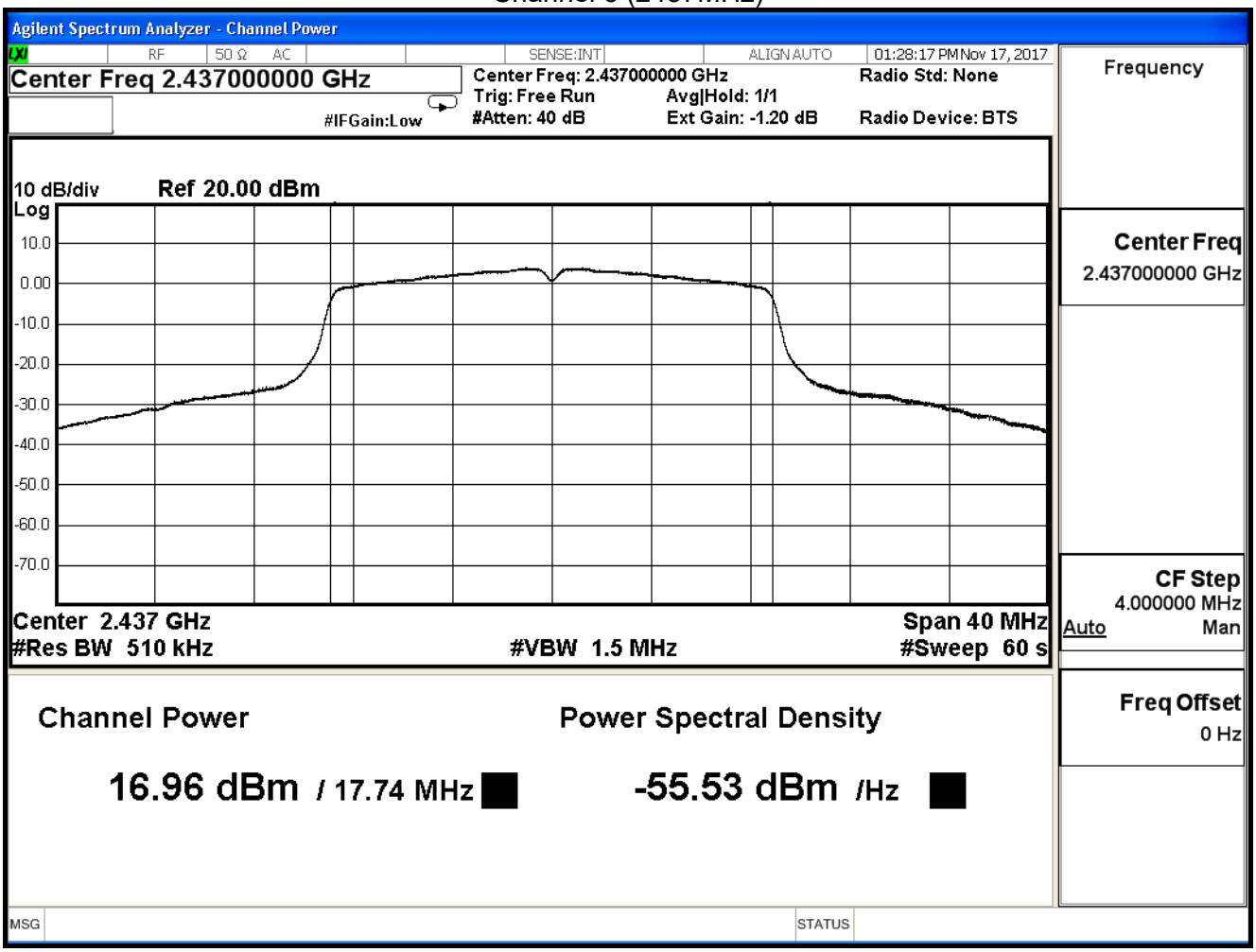
The worst emission of data rate is MCS 8

Peak Power Output (dBm)										
Channel	Frequency	MCS index								Required
No	(MHz)	8	9	10	11	12	13	14	15	Limit
1	2412	8.450	--	--	--	--	--	--	--	≦30
6	2437	16.960	16.730	16.490	16.280	16.030	15.800	15.570	15.340	≦30
11	2462	8.550	--	--	--	--	--	--	--	≦30

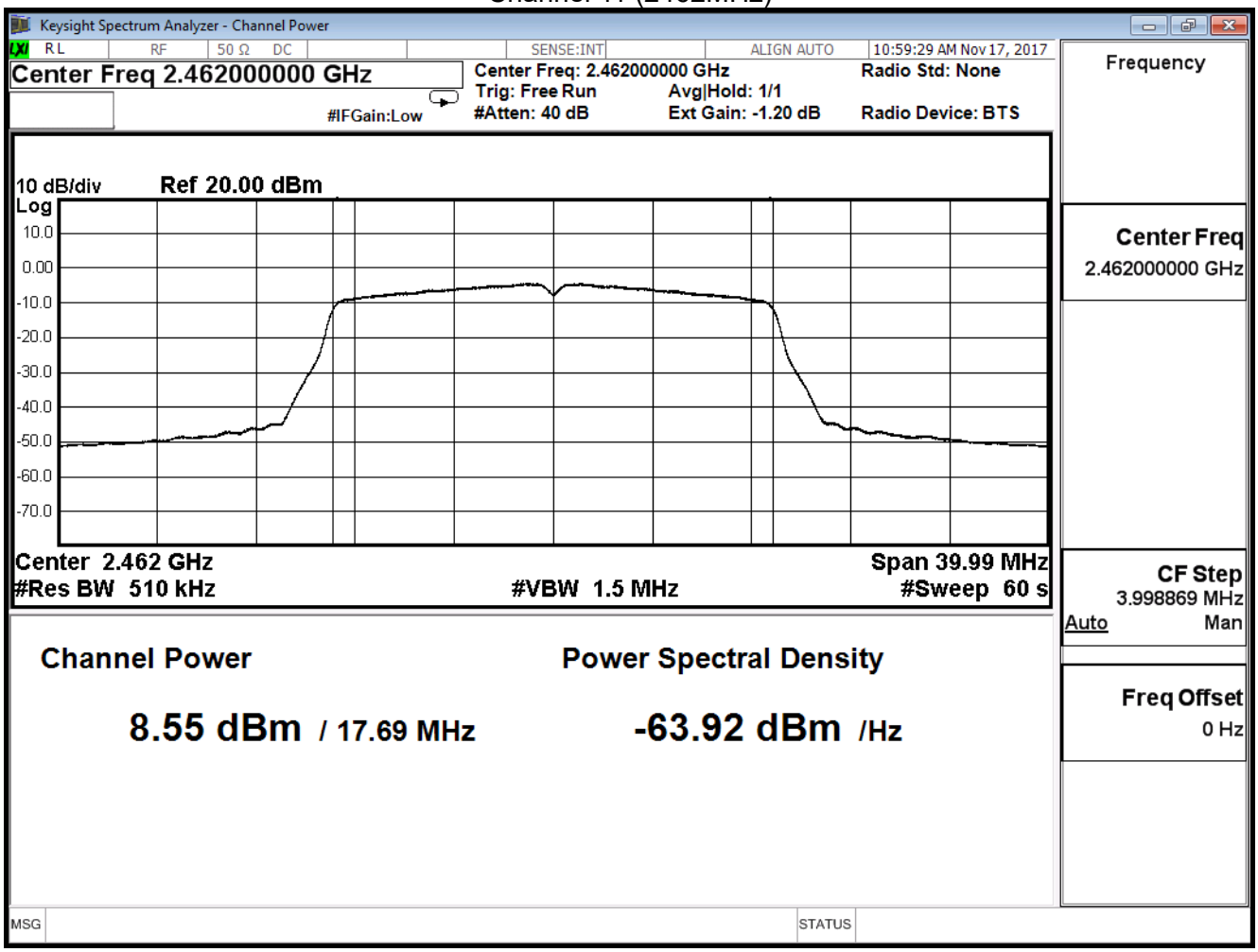
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



Product	Gigabit Broadband Router		
Test Item	Peak Power Output		
Test Mode	Mode 2: TX MIMO_ADP 1		
Date of Test	2017/11/17	Test Site	SR10-H

IEEE 802.11n(20MHz) (ANT 0+1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	11.603	≦30
6	2437	20.191	≦30
11	2462	11.646	≦30

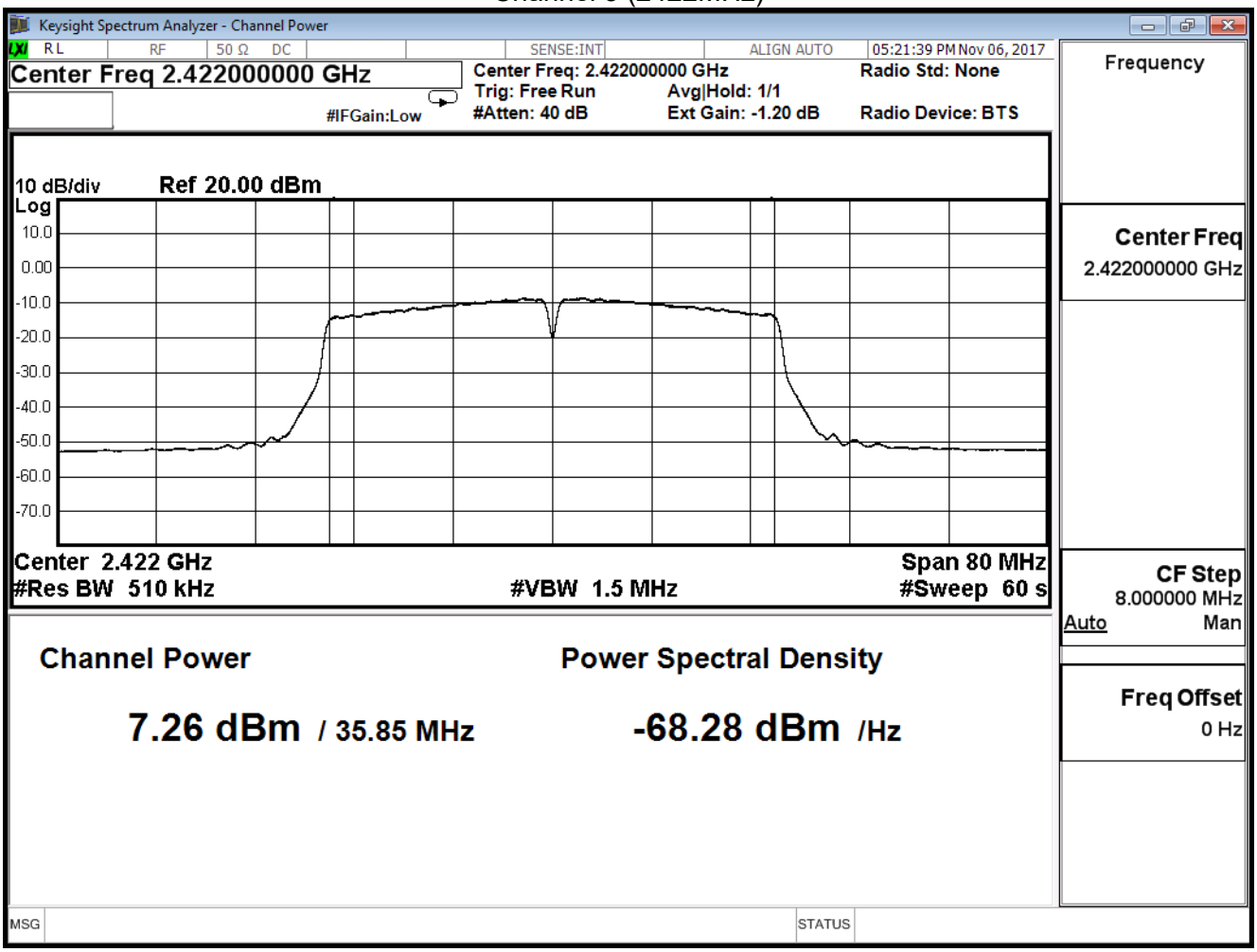
Product	Gigabit Broadband Router		
Test Item	Peak Power Output		
Test Mode	Mode 2: TX MIMO_ADP 1		
Date of Test	2017/11/06	Test Site	SR10-H

IEEE 802.11n(40MHz) (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	7.260	≦30
6	2437	11.850	≦30
9	2452	7.810	≦30

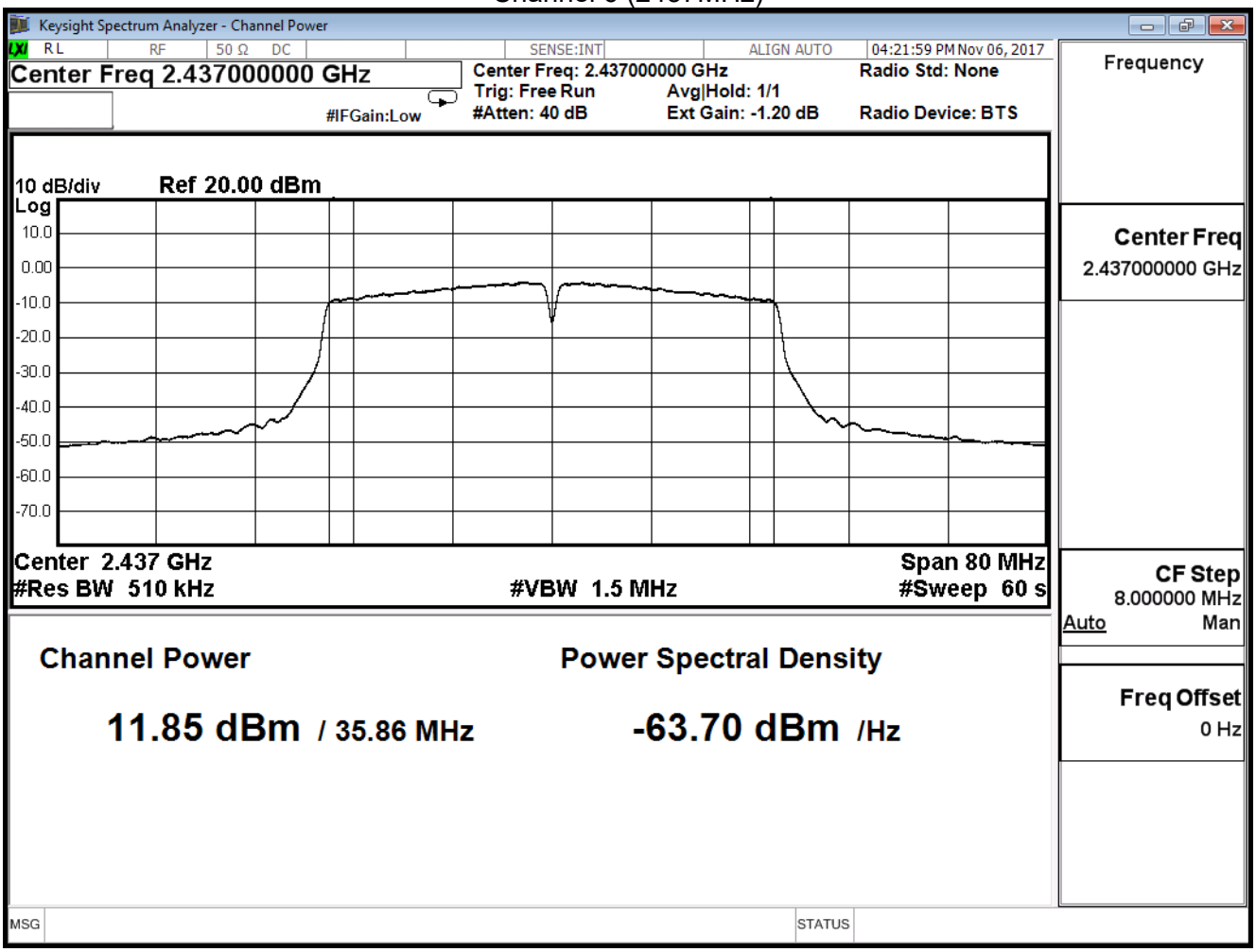
The worst emission of data rate is MCS 8

Peak Power Output (dBm)										
Channel	Frequency	MCS index								Required
No	(MHz)	8	9	10	11	12	13	14	15	Limit
3	2422	7.260	--	--	--	--	--	--	--	≦30
6	2437	11.850	11.600	11.340	11.090	10.580	10.340	10.080	9.860	≦30
9	2452	7.810	--	--	--	--	--	--	--	≦30

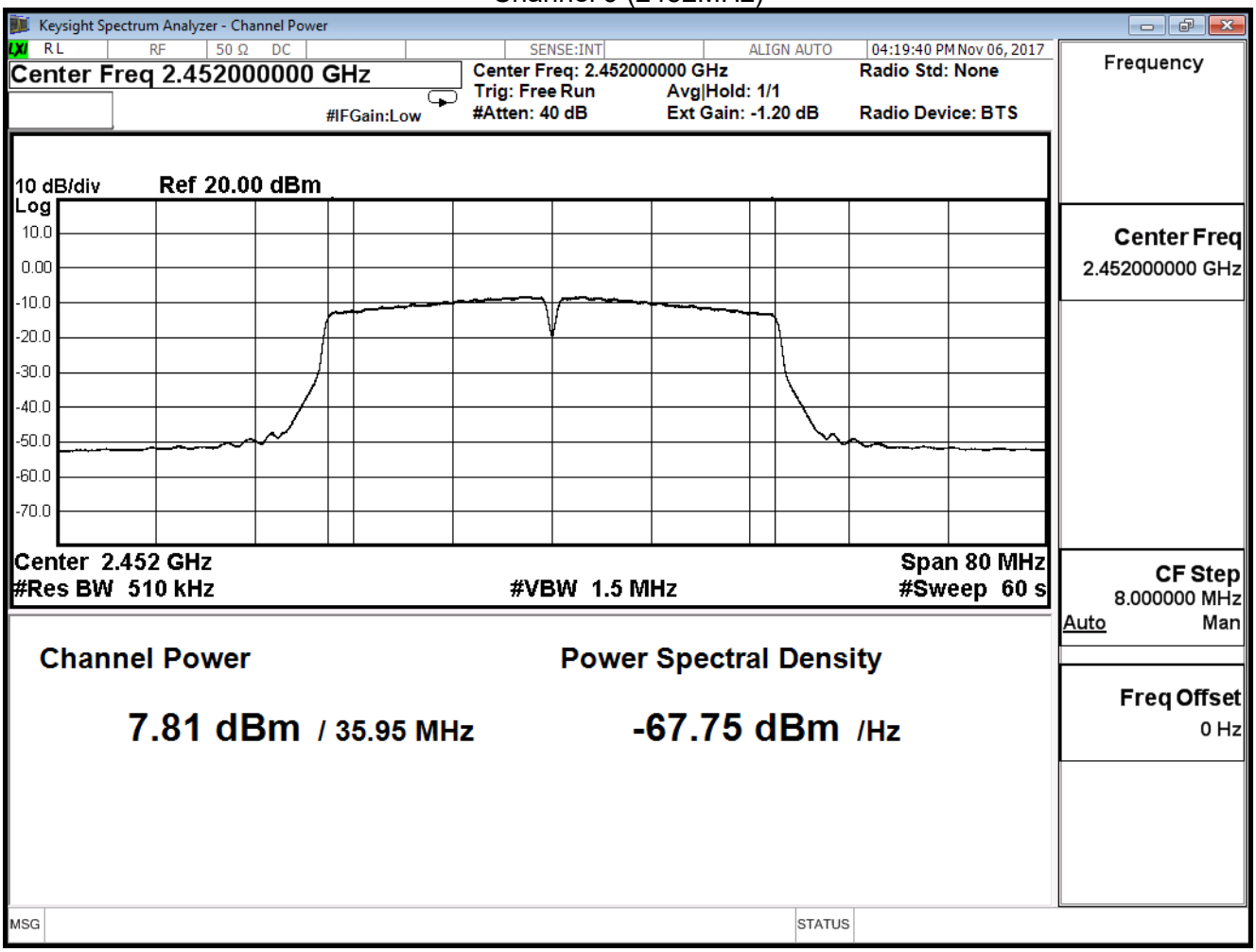
Channel 3 (2422MHz)



Channel 6 (2437MHz)



Channel 9 (2452MHz)



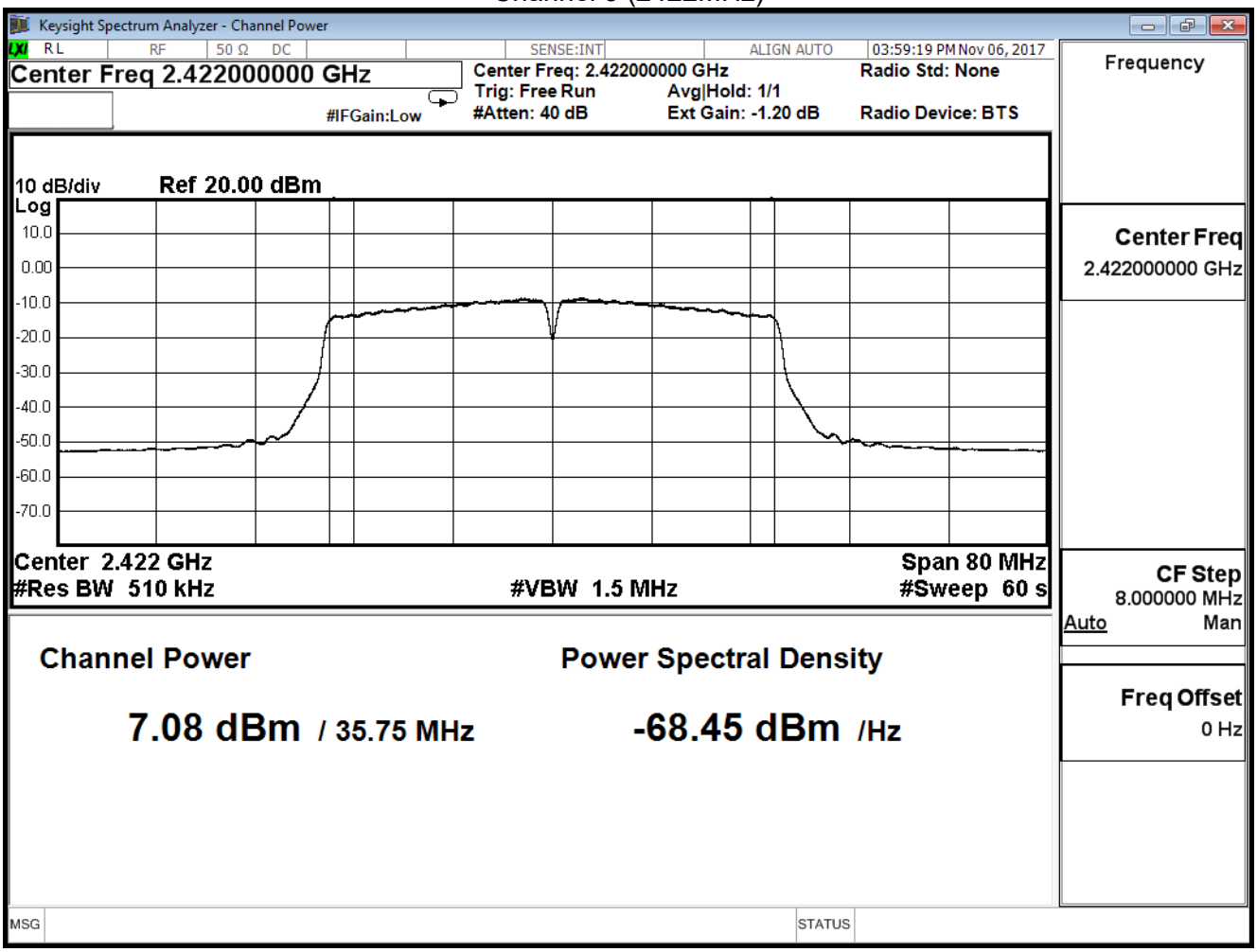
Product	Gigabit Broadband Router		
Test Item	Peak Power Output		
Test Mode	Mode 2: TX MIMO_ADP 1		
Date of Test	2017/11/06	Test Site	SR10-H

IEEE 802.11n(40MHz) (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	7.080	≦30
6	2437	11.700	≦30
9	2452	7.730	≦30

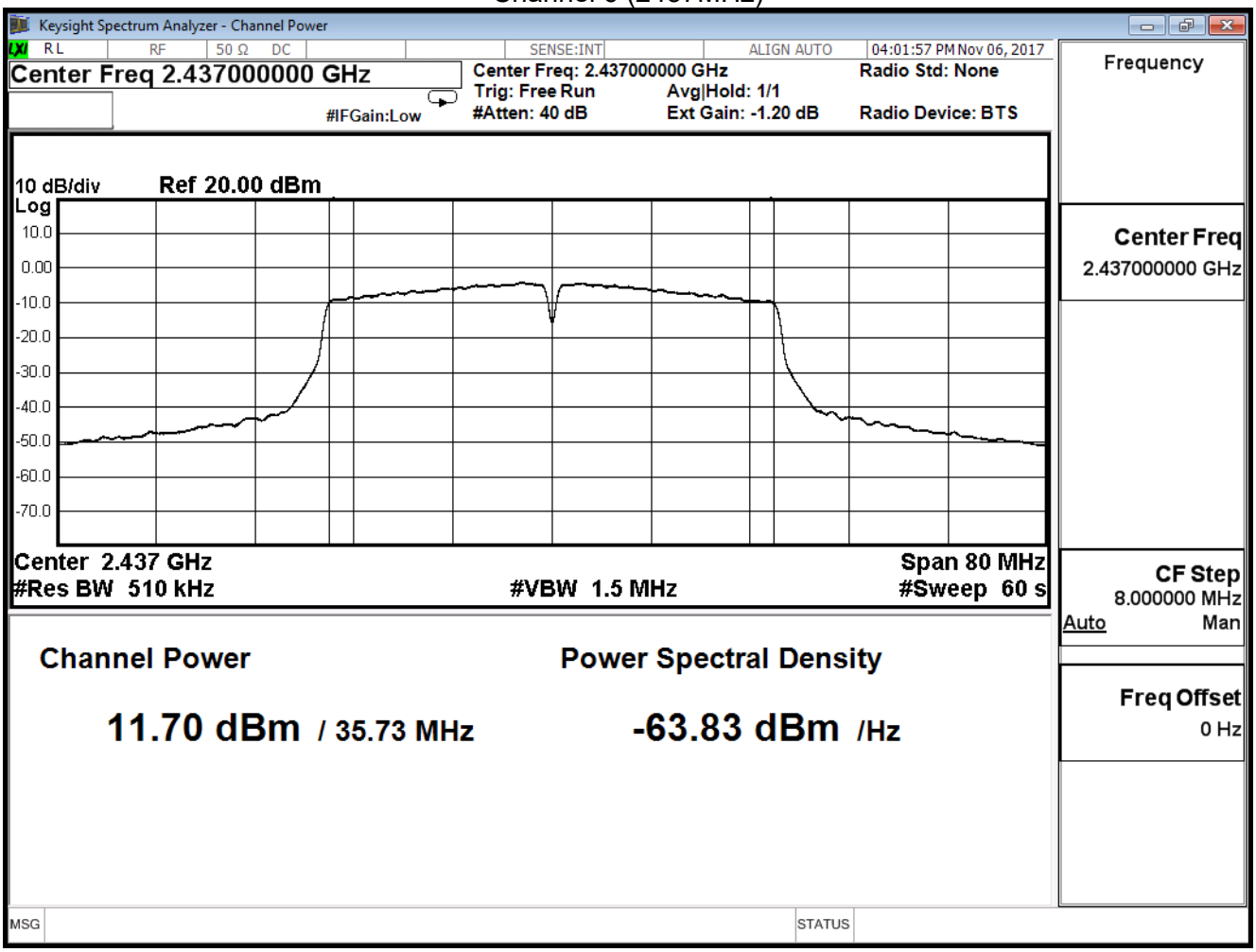
The worst emission of data rate is MCS 8

Peak Power Output (dBm)										
Channel No	Frequency (MHz)	MCS index								Required Limit
		8	9	10	11	12	13	14	15	
3	2422	7.080	--	--	--	--	--	--	--	≦30
6	2437	11.700	11.440	11.190	10.960	10.680	10.420	10.170	9.960	≦30
9	2452	7.730	--	--	--	--	--	--	--	≦30

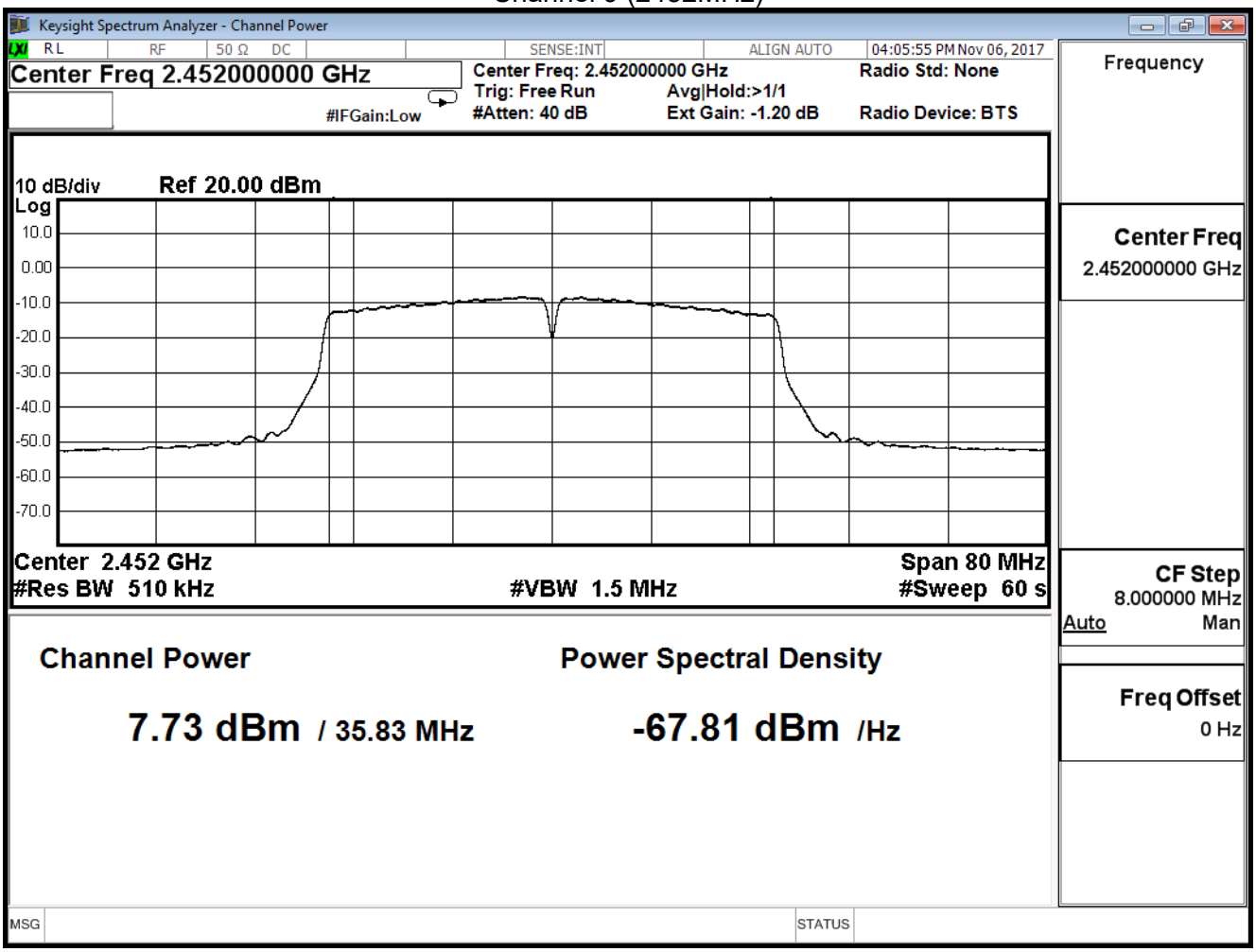
Channel 3 (2422MHz)



Channel 6 (2437MHz)



Channel 9 (2452MHz)



Product	Gigabit Broadband Router		
Test Item	Peak Power Output		
Test Mode	Mode 2: TX MIMO_ADP 1		
Date of Test	2017/11/06	Test Site	SR10-H

IEEE 802.11n(40MHz) (ANT 0+1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	10.181	≦30
6	2437	14.786	≦30
9	2452	10.780	≦30

4. Radiated Emission

4.1. Test Equipment

The following test equipment are used during the test:

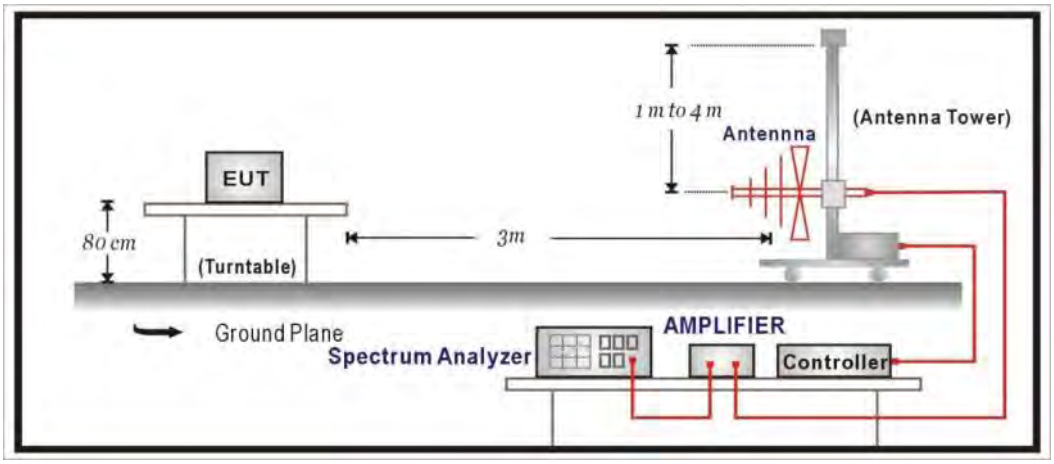
Radiated Emission /CB2-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal Analyzer	R&S	FSVA40	101455	2016/11/28	2017/11/27
Signal & Spectrum Analyzer	R&S	FSV40	101049	2017/01/23	2018/01/22
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2017/03/13	2018/03/12
Bilog Antenna	Teseq	CBL6112D	23191	2017/06/28	2018/06/27
Horn Antenna	Schwarzbeck	BBHA 9120D	639	2017/06/14	2018/06/13
Horn Antenna	Schwarzbeck	BBHA 9170	202	2017/02/15	2018/02/14
Pre-Amplifier	RF Bay Inc.	LNA-1330	12162511	2017/03/09	2018/03/08
Pre-Amplifier	EMCI	EMCI 1830I	980366	2017/01/23	2018/01/22
Pre-Amplifier	MITEQ	JS44-45-8P	2014754	2016/12/26	2017/12/25

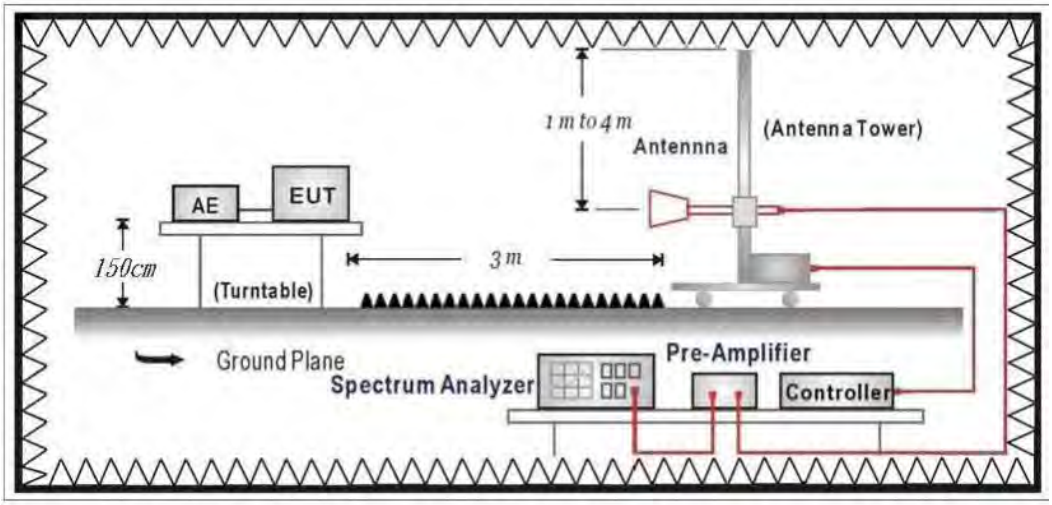
Note: All equipment that need to calibrate are with calibration period of 1 year.

4.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



4.3. Limits

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

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

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

4.4. Test Procedure

The EUT was setup according to ANSI C63.10:2013 and tested according to DTS test procedure of KDB558074 D01V04 for compliance to FCC 47CFR 15.247 requirements.
The EUT and its simulators are placed on a turn table which is 1.5 meter above ground(under 1GHz) or 1.5 meter above ground (above 1GHz). The turn table can rotate 360 degrees to determine the position of the maximum emission level.
The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10:2013 on radiated measurement.
On any frequency or frequencies below or equal to 1000 MHz, the limits shown are based on measuring equipment employing a quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limits shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.
The bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz.

4.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2016

4.6. Uncertainty

The measurement uncertainty

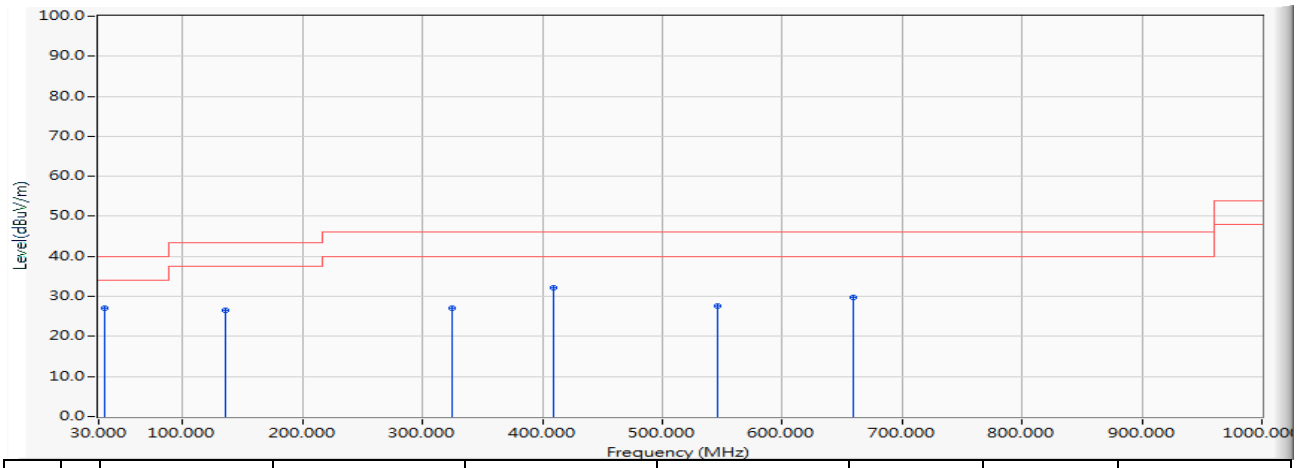
30MHz～1GHz as ±3.43dB

1GHz～26.5Ghz as ±3.65dB

4.7. Test Result

30MHz-1GHz Spurious

Site : CB2-H	**Time : 2017/09/16**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB2-H_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11b_2437MHz**

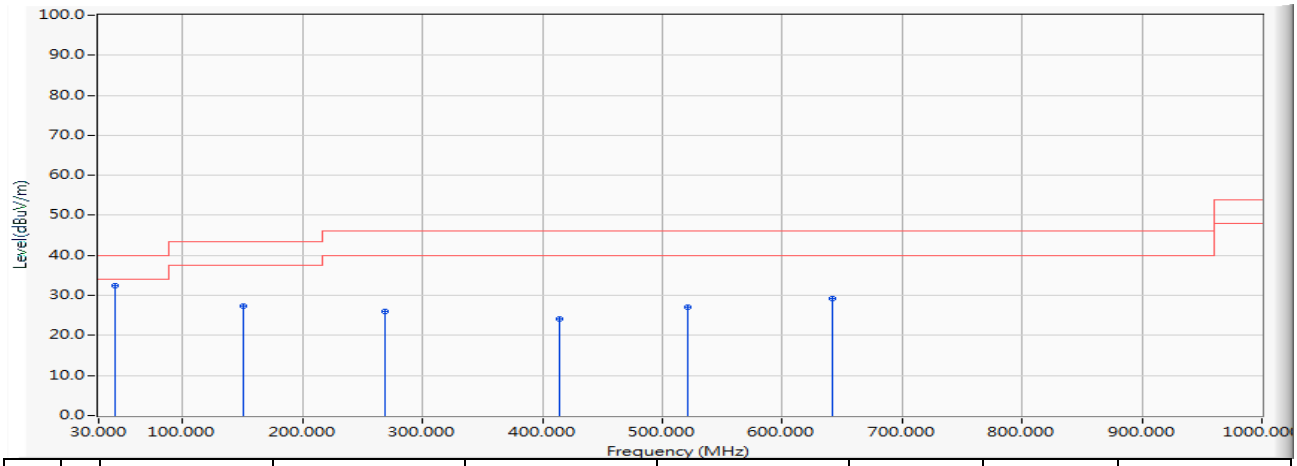


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	34.559	-16.831	43.884	27.053	-12.947	40.000	QUASIPEAK
2		135.816	-21.852	48.359	26.507	-16.993	43.500	QUASIPEAK
3		325.044	-18.292	45.347	27.055	-18.945	46.000	QUASIPEAK
4		408.941	-15.813	47.886	32.073	-13.927	46.000	QUASIPEAK
5		546.376	-13.922	41.634	27.712	-18.288	46.000	QUASIPEAK
6		659.758	-12.654	42.285	29.630	-16.370	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 : CB2-H	**Time : 2017/09/16**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB2-H_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11b_2437MHz**

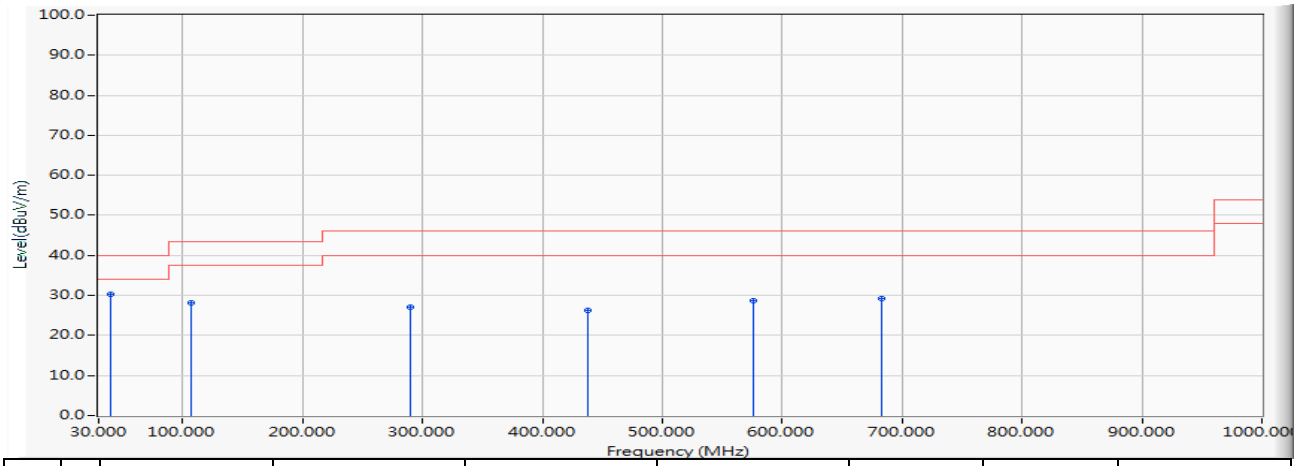


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	43.186	-20.522	52.803	32.281	-7.719	40.000	QUASIPEAK
2		150.656	-22.517	49.833	27.317	-16.183	43.500	QUASIPEAK
3		268.887	-19.930	45.877	25.948	-20.052	46.000	QUASIPEAK
4		413.888	-15.730	39.939	24.210	-21.790	46.000	QUASIPEAK
5		520.674	-14.249	41.232	26.983	-19.017	46.000	QUASIPEAK
6		642.106	-12.826	42.161	29.335	-16.665	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 : CB2-H	**Time : 2017/09/16**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB2-H_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11g_2437MHz**

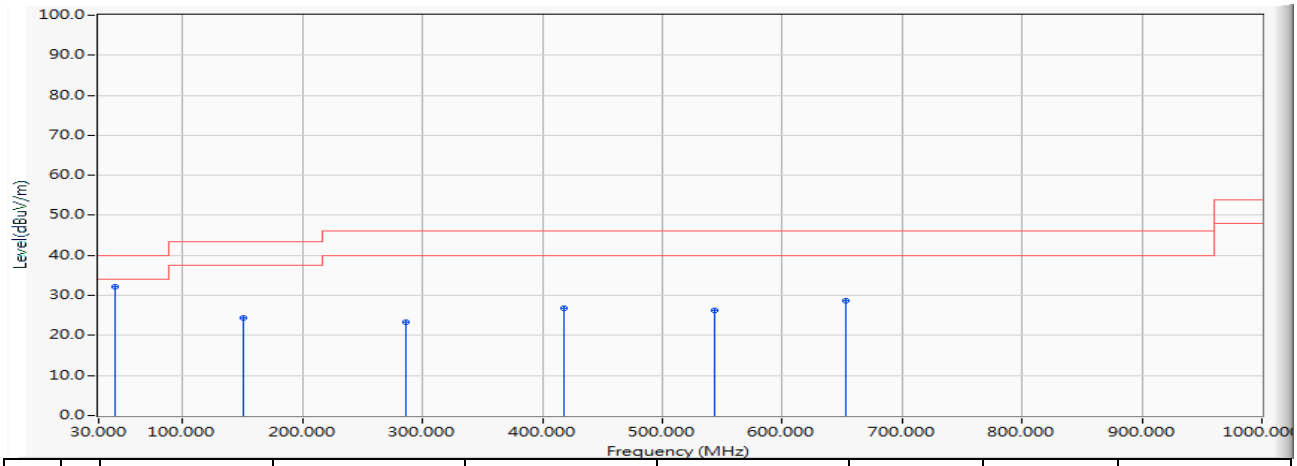


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	40.281	-17.083	47.372	30.289	-9.711	40.000	QUASIPEAK
2		106.622	-22.882	50.958	28.076	-15.424	43.500	QUASIPEAK
3		289.934	-19.429	46.392	26.963	-19.037	46.000	QUASIPEAK
4		437.553	-15.366	41.735	26.369	-19.631	46.000	QUASIPEAK
5		575.376	-13.527	42.195	28.668	-17.332	46.000	QUASIPEAK
6		682.454	-12.461	41.722	29.260	-16.740	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 : CB2-H	**Time : 2017/09/16**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB2-H_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11g_2437MHz**

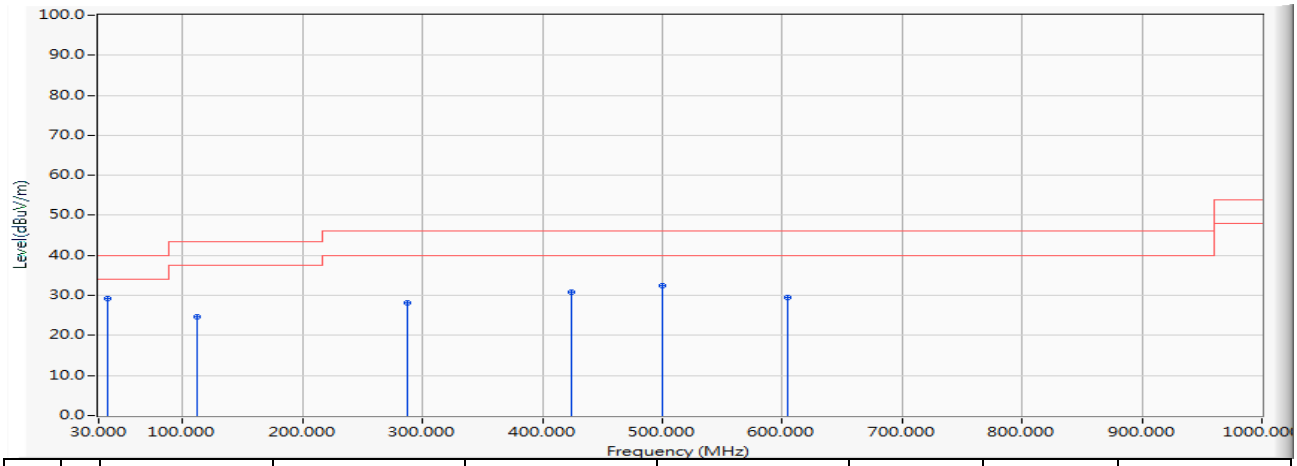


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	43.191	-20.507	52.758	32.251	-7.749	40.000	QUASIPEAK
2		150.559	-22.510	46.806	24.295	-19.205	43.500	QUASIPEAK
3		285.763	-19.527	42.828	23.301	-22.699	46.000	QUASIPEAK
4		417.767	-15.663	42.472	26.809	-19.191	46.000	QUASIPEAK
5		543.758	-13.950	40.110	26.159	-19.841	46.000	QUASIPEAK
6		652.581	-12.746	41.389	28.643	-17.357	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 : CB2-H	**Time : 2017/09/16**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB2-H_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 1 802.11n(20M)_2437MHz**

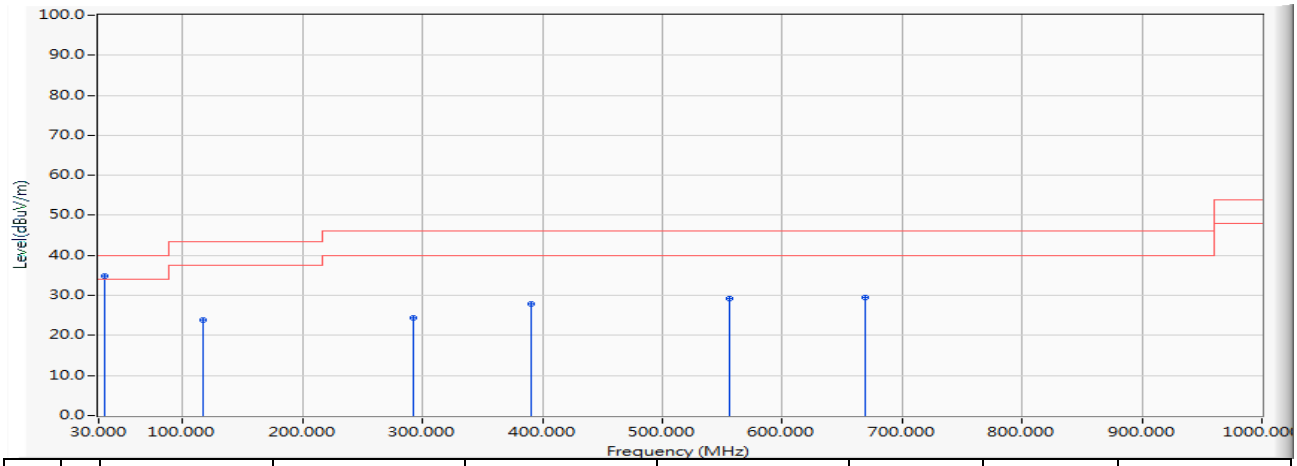


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	36.983	-16.749	46.086	29.337	-10.663	40.000	QUASIPEAK
2		111.472	-22.392	47.090	24.698	-18.802	43.500	QUASIPEAK
3		287.800	-19.480	47.670	28.191	-17.809	46.000	QUASIPEAK
4		423.878	-15.567	46.457	30.890	-15.110	46.000	QUASIPEAK
5		499.918	-14.455	46.780	32.325	-13.675	46.000	QUASIPEAK
6		604.086	-13.180	42.594	29.414	-16.586	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 : CB2-H	**Time : 2017/09/16**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB2-H_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 1 802.11n(20M)_2437MHz**

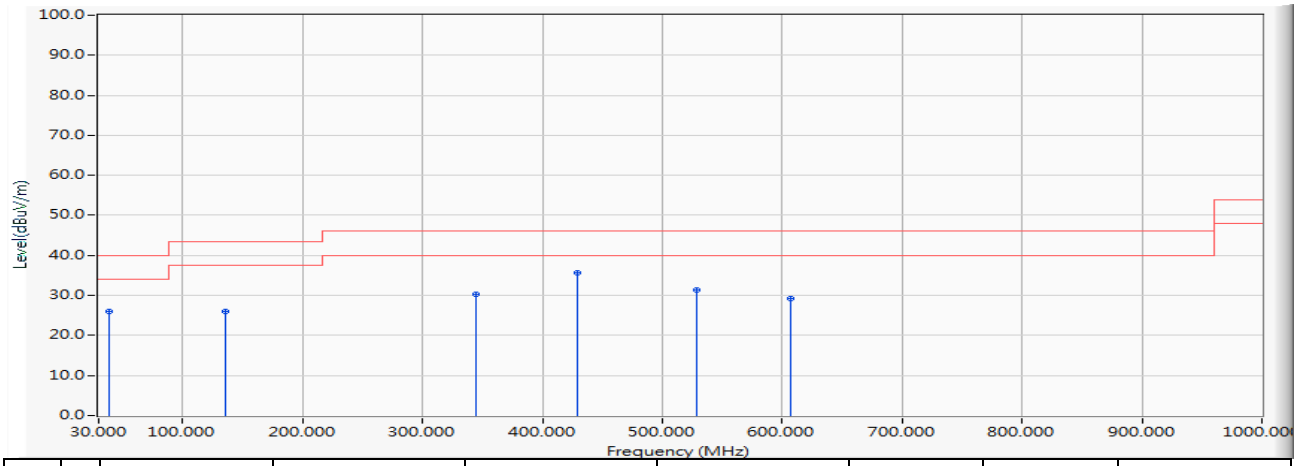


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	34.462	-16.824	51.581	34.756	-5.244	40.000	QUASIPEAK
2		116.806	-21.859	45.728	23.868	-19.632	43.500	QUASIPEAK
3		292.165	-19.374	43.753	24.379	-21.621	46.000	QUASIPEAK
4		390.222	-16.272	44.111	27.839	-18.161	46.000	QUASIPEAK
5		556.172	-13.805	43.041	29.236	-16.764	46.000	QUASIPEAK
6		668.875	-12.569	42.093	29.524	-16.476	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 : CB2-H	**Time : 2017/09/16**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB2-H_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 1 802.11n(40M)_2437MHz**

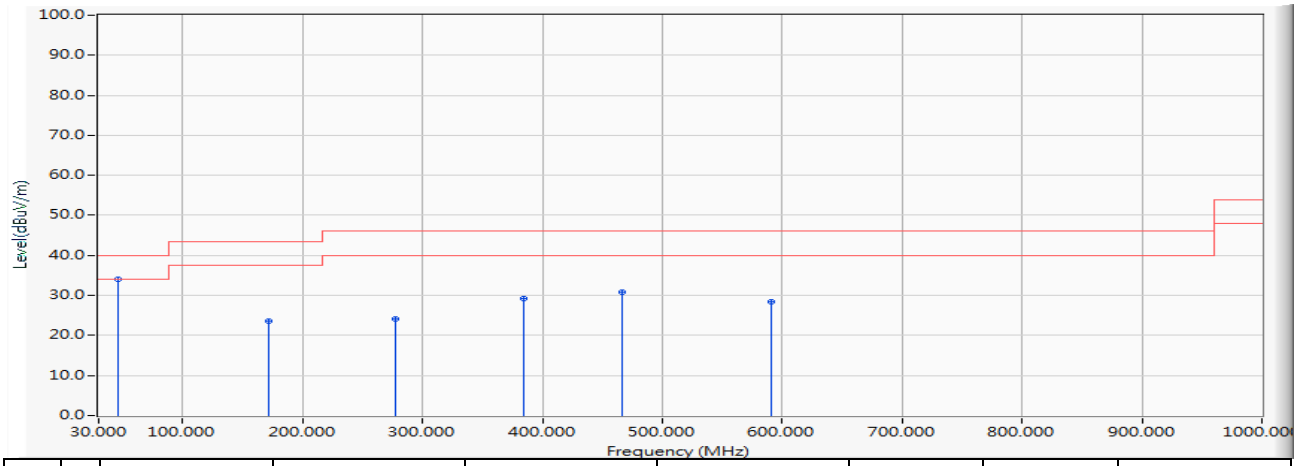


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		38.147	-16.685	42.778	26.093	-13.907	40.000	QUASIPEAK
2		135.816	-21.852	47.964	26.112	-17.388	43.500	QUASIPEAK
3		344.346	-17.688	47.913	30.224	-15.776	46.000	QUASIPEAK
4	*	429.115	-15.485	51.087	35.602	-10.398	46.000	QUASIPEAK
5		528.433	-14.157	45.596	31.439	-14.561	46.000	QUASIPEAK
6		606.607	-13.129	42.385	29.256	-16.744	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 : CB2-H	**Time : 2017/09/16**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB2-H_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 1 802.11n(40M)_2437MHz**

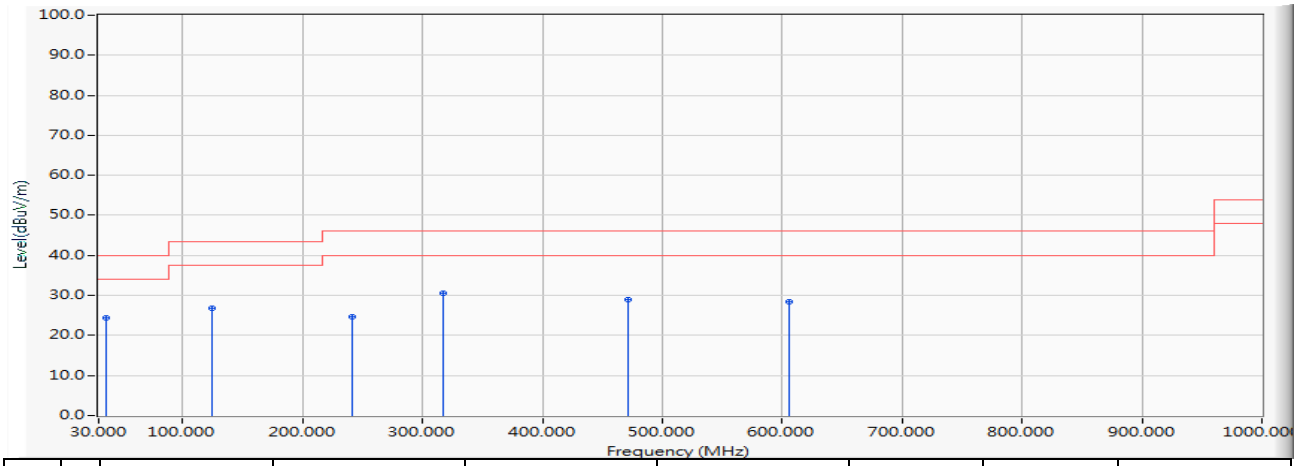


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	46.585	-23.670	57.644	33.974	-6.026	40.000	QUASIPEAK
2		171.994	-23.762	47.222	23.460	-20.040	43.500	QUASIPEAK
3		276.937	-19.736	43.984	24.248	-21.752	46.000	QUASIPEAK
4		384.985	-16.441	45.693	29.252	-16.748	46.000	QUASIPEAK
5		466.844	-14.937	45.794	30.858	-15.142	46.000	QUASIPEAK
6		591.186	-13.286	41.783	28.497	-17.503	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 : CB2-H	**Time : 2017/09/16**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB2-H_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 3: TX MIMO_ADP 2 802.11n(40M)_2437MHz**

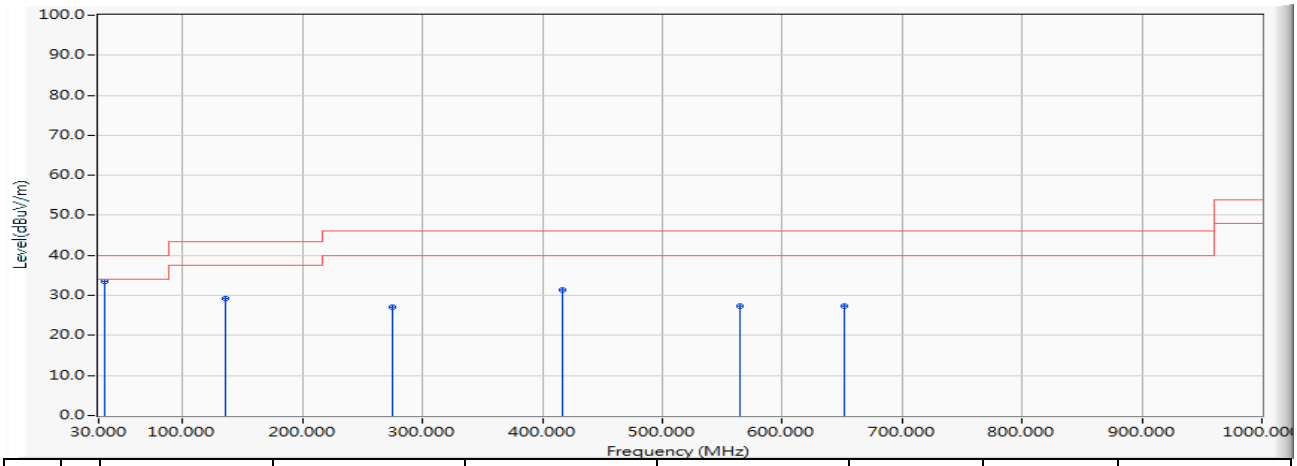


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		35.722	-16.817	41.188	24.370	-15.630	40.000	QUASIPEAK
2		124.954	-21.636	48.507	26.871	-16.629	43.500	QUASIPEAK
3		241.342	-20.904	45.629	24.725	-21.275	46.000	QUASIPEAK
4	*	316.994	-18.548	48.978	30.431	-15.569	46.000	QUASIPEAK
5		471.403	-14.870	43.953	29.082	-16.918	46.000	QUASIPEAK
6		605.831	-13.144	41.524	28.379	-17.621	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 : CB2-H	**Time : 2017/09/16**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB2-H_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 3: TX MIMO_ADP 2 802.11n(40M)_2437MHz**



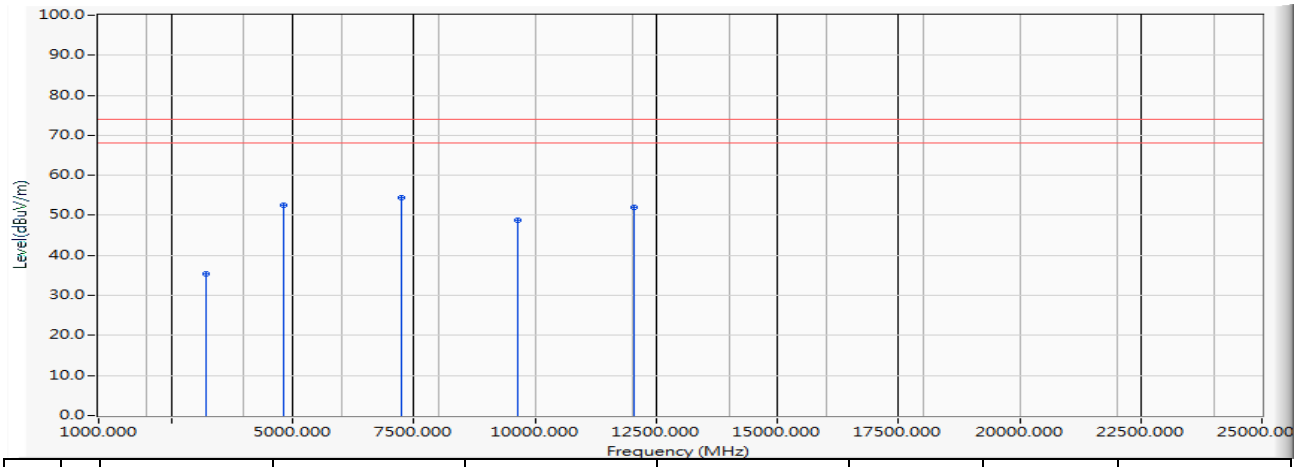
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	34.365	-16.819	50.398	33.580	-6.420	40.000	QUASIPEAK
2		135.913	-21.854	51.183	29.329	-14.171	43.500	QUASIPEAK
3		274.513	-19.794	46.985	27.191	-18.809	46.000	QUASIPEAK
4		416.506	-15.684	47.015	31.331	-14.669	46.000	QUASIPEAK
5		564.320	-13.680	41.001	27.320	-18.680	46.000	QUASIPEAK
6		651.417	-12.761	39.991	27.231	-18.769	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 : CB2-H	**Time : 2017/09/22**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11b_2412MHz_Ant0**

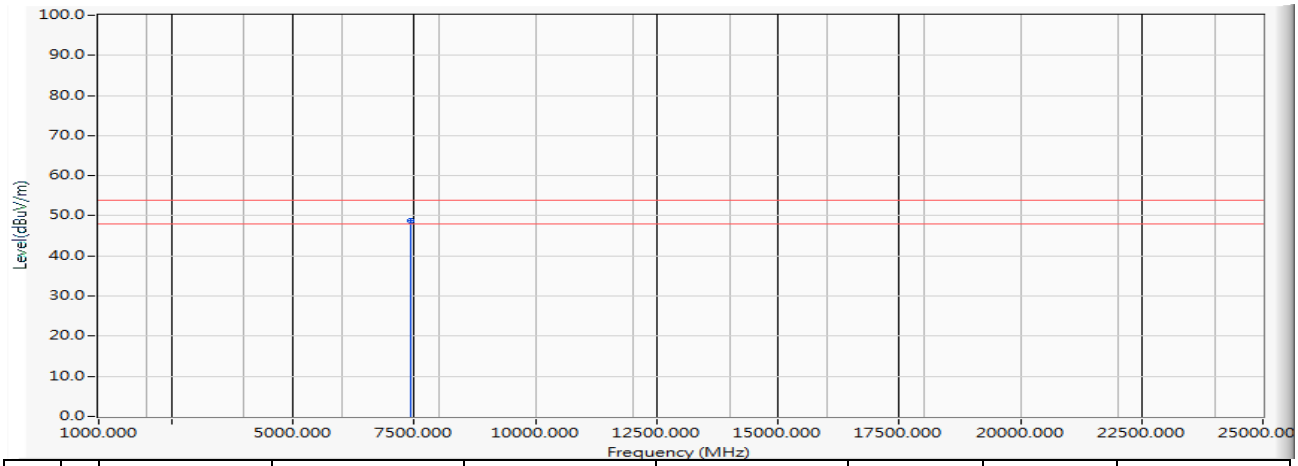


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3217.250	-6.769	42.270	35.500	-38.500	74.000	PEAK
2		4824.058	-0.219	52.840	52.621	-21.379	74.000	PEAK
3	*	7234.412	7.127	47.410	54.538	-19.462	74.000	PEAK
4		9648.063	12.587	36.220	48.807	-25.193	74.000	PEAK
5		12050.000	15.373	36.660	52.033	-21.967	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 : CB2-H	**Time : 2017/11/17**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11b_2412MHz_Ant0**

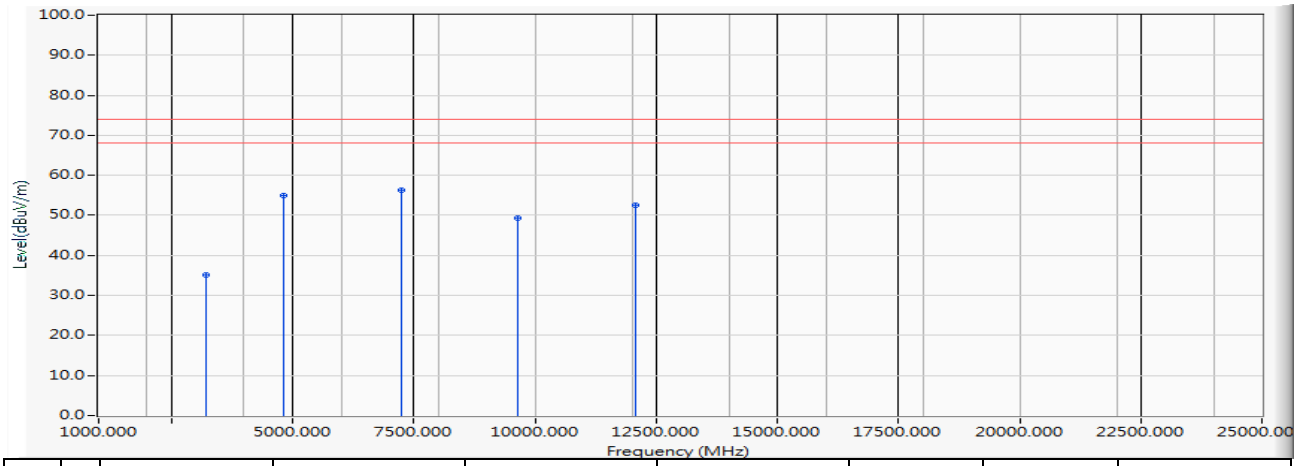


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7434.412	7.848	40.940	48.788	-5.212	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/22**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11b_2412MHz_Ant0**

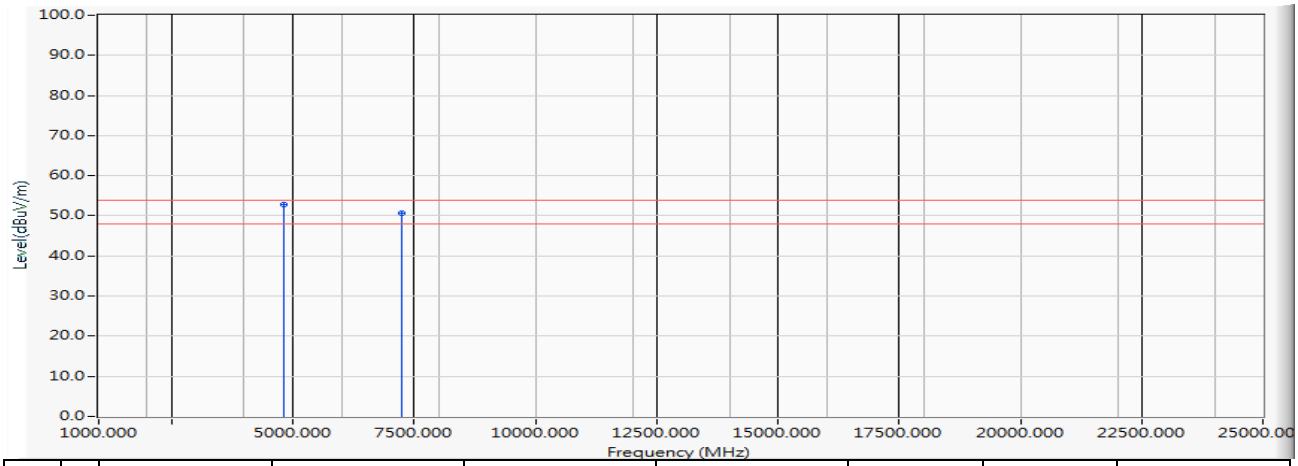


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3215.579	-6.773	41.830	35.057	-38.943	74.000	PEAK
2		4824.068	-0.219	55.110	54.891	-19.109	74.000	PEAK
3	*	7234.686	7.127	49.210	56.338	-17.662	74.000	PEAK
4		9648.290	12.587	36.820	49.406	-24.594	74.000	PEAK
5		12065.689	15.318	37.320	52.639	-21.361	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 : CB2-H	**Time : 2017/09/22**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11b_2412MHz_Ant0**

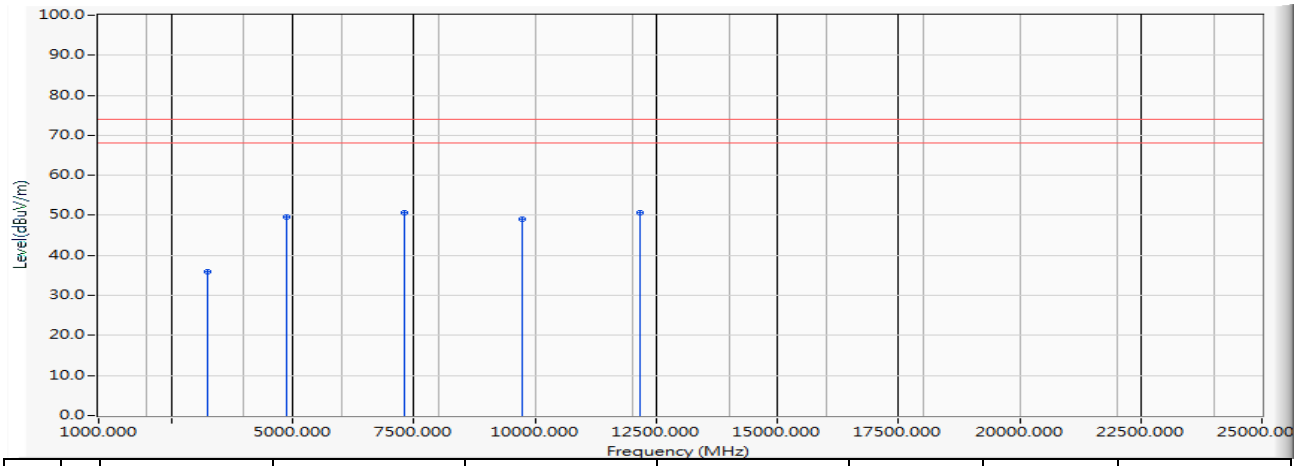


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4824.068	-0.219	52.940	52.721	-1.279	54.000	AVERAGE
2		7234.686	7.127	43.460	50.588	-3.412	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 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 : CB2-H	**Time : 2017/09/22**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11b_2437MHz_Ant0**

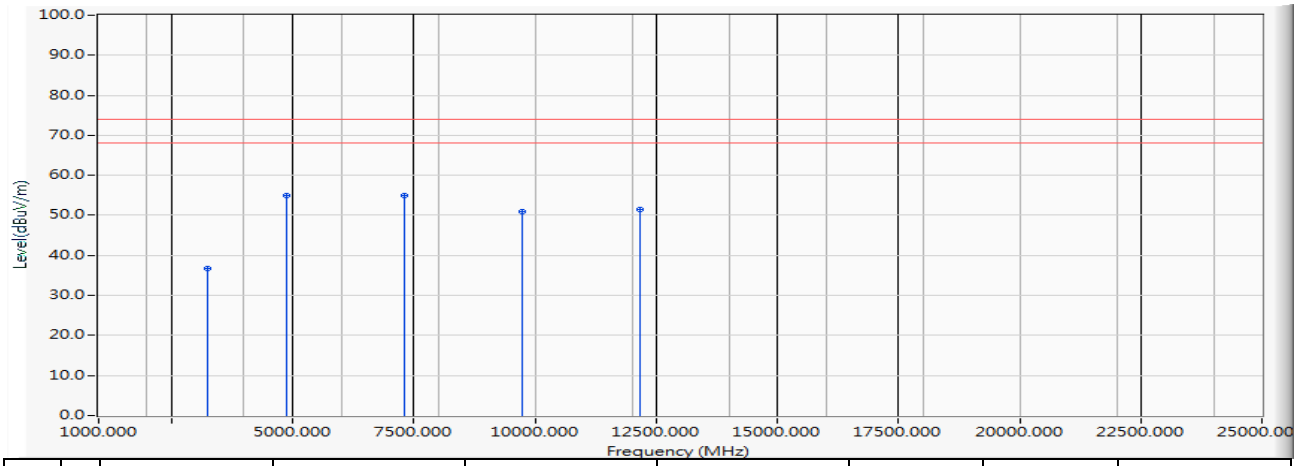


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3250.234	-6.713	42.690	35.976	-38.024	74.000	PEAK
2		4871.100	-0.156	49.860	49.704	-24.296	74.000	PEAK
3		7309.612	7.399	43.200	50.599	-23.401	74.000	PEAK
4		9750.595	12.854	36.180	49.035	-24.965	74.000	PEAK
5	*	12172.325	14.948	35.820	50.768	-23.232	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 : CB2-H	**Time : 2017/09/22**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11b_2437MHz_Ant0**

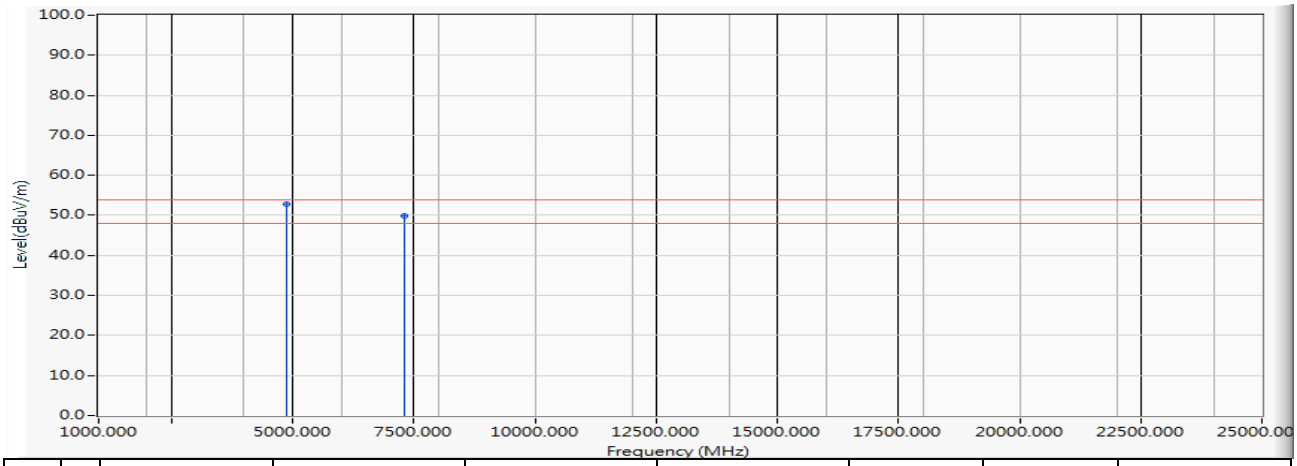


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3249.254	-6.716	43.450	36.734	-37.266	74.000	PEAK
2		4874.112	-0.140	55.070	54.930	-19.070	74.000	PEAK
3	*	7312.219	7.409	47.650	55.059	-18.941	74.000	PEAK
4		9747.876	12.853	38.110	50.963	-23.037	74.000	PEAK
5		12168.557	14.961	36.390	51.351	-22.649	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 : CB2-H	**Time : 2017/09/22**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11b_2437MHz_Ant0**

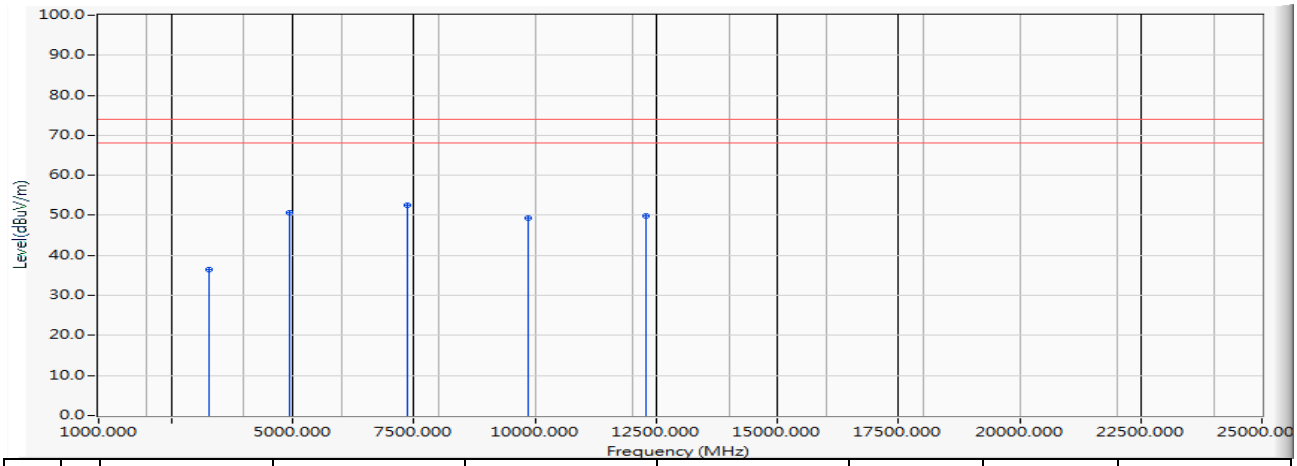


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4874.112	-0.140	53.029	52.889	-1.111	54.000	AVERAGE
2		7312.219	7.409	42.372	49.781	-4.219	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/22**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11b_2462MHz_Ant0**

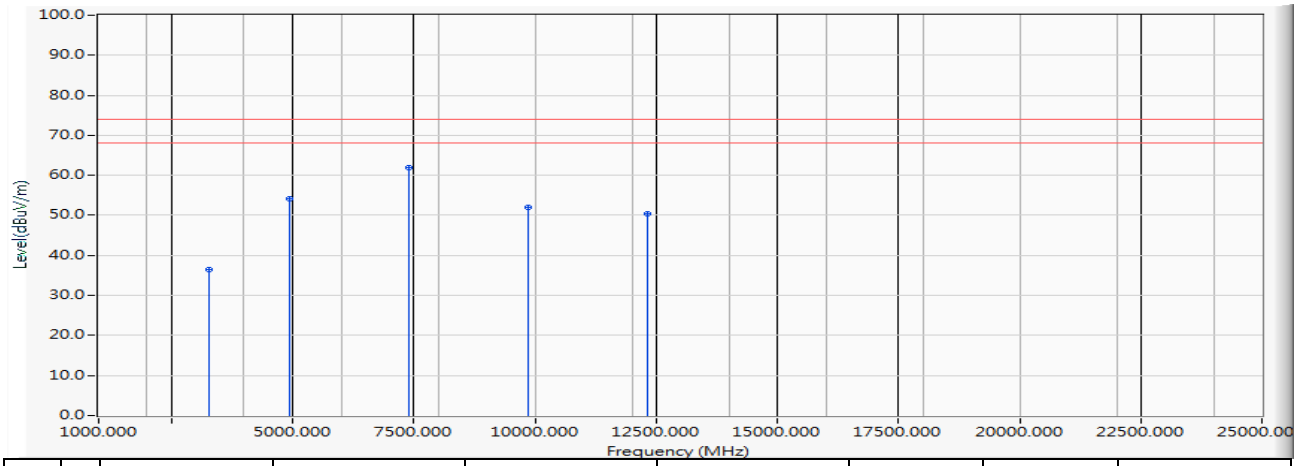


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3282.453	-6.651	42.980	36.329	-37.671	74.000	PEAK
2		4923.978	-0.076	50.790	50.714	-23.286	74.000	PEAK
3	*	7384.438	7.669	44.830	52.499	-21.501	74.000	PEAK
4		9847.893	12.989	36.320	49.309	-24.691	74.000	PEAK
5		12300.743	15.030	34.950	49.981	-24.019	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 : CB2-H	**Time : 2017/09/22**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11b_2462MHz_Ant0**

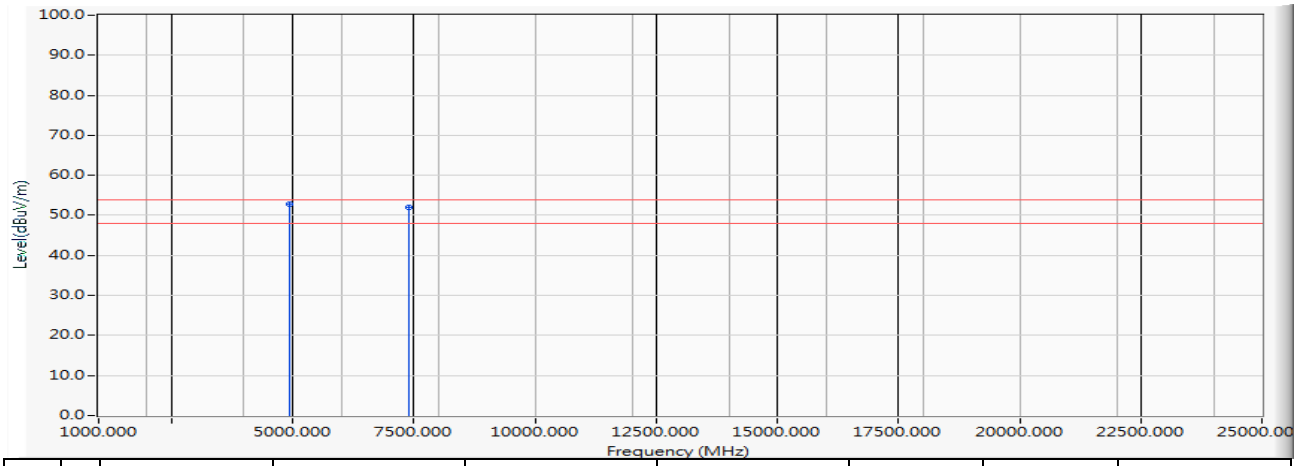


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3288.667	-6.638	43.120	36.482	-37.518	74.000	PEAK
2		4923.970	-0.076	54.180	54.104	-19.896	74.000	PEAK
3	*	7384.800	7.669	54.140	61.810	-12.190	74.000	PEAK
4		9847.982	12.989	39.130	52.119	-21.881	74.000	PEAK
5		12312.177	15.112	35.420	50.531	-23.469	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 : CB2-H	**Time : 2017/09/22**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11b_2462MHz_Ant0**

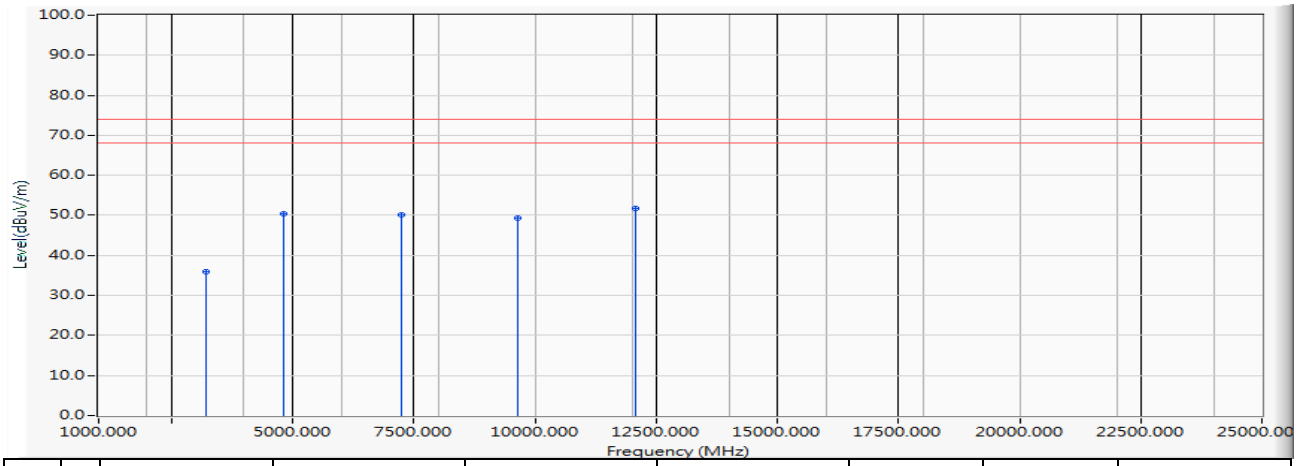


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4923.970	-0.076	52.970	52.894	-1.106	54.000	AVERAGE
2		7384.800	7.669	44.251	51.921	-2.079	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/22**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11b_2412MHz_Ant1**

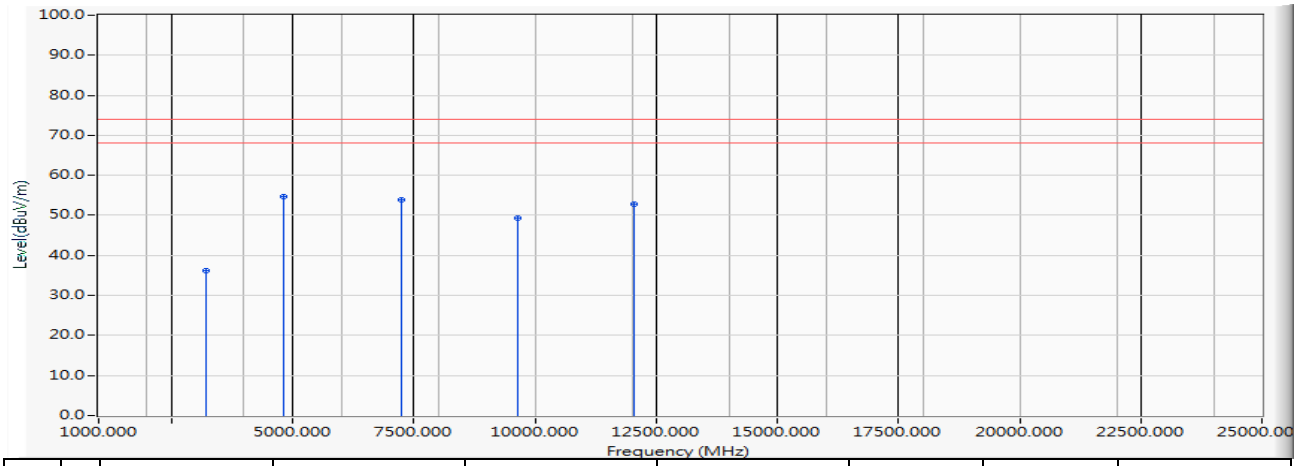


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3208.684	-6.785	42.630	35.846	-38.154	74.000	PEAK
2		4823.940	-0.219	50.520	50.301	-23.699	74.000	PEAK
3		7237.091	7.126	42.900	50.026	-23.974	74.000	PEAK
4		9649.769	12.582	36.680	49.262	-24.738	74.000	PEAK
5	*	12062.625	15.329	36.360	51.689	-22.311	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 : CB2-H	**Time : 2017/09/22**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11b_2412MHz_Ant1**

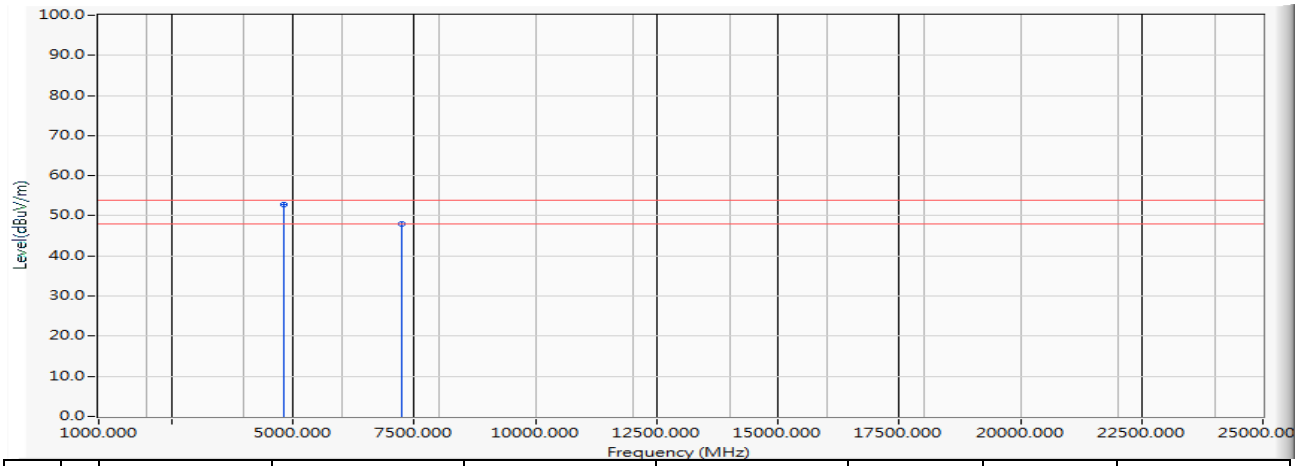


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3216.539	-6.771	42.960	36.189	-37.811	74.000	PEAK
2	*	4823.826	-0.219	54.970	54.751	-19.249	74.000	PEAK
3		7236.258	7.126	46.680	53.807	-20.193	74.000	PEAK
4		9648.174	12.587	36.630	49.217	-24.783	74.000	PEAK
5		12060.484	15.336	37.530	52.867	-21.133	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 : CB2-H	**Time : 2017/09/22**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11b_2412MHz_Ant1**

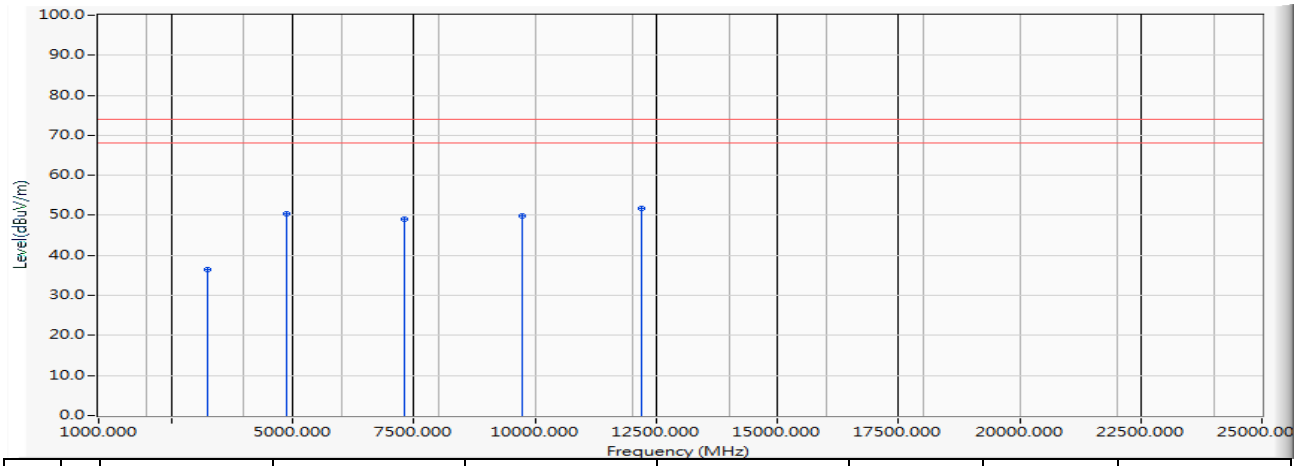


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4823.826	-0.219	52.930	52.711	-1.289	54.000	AVERAGE
2		7236.258	7.126	40.930	48.057	-5.943	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/22**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11b_2437MHz_Ant1**

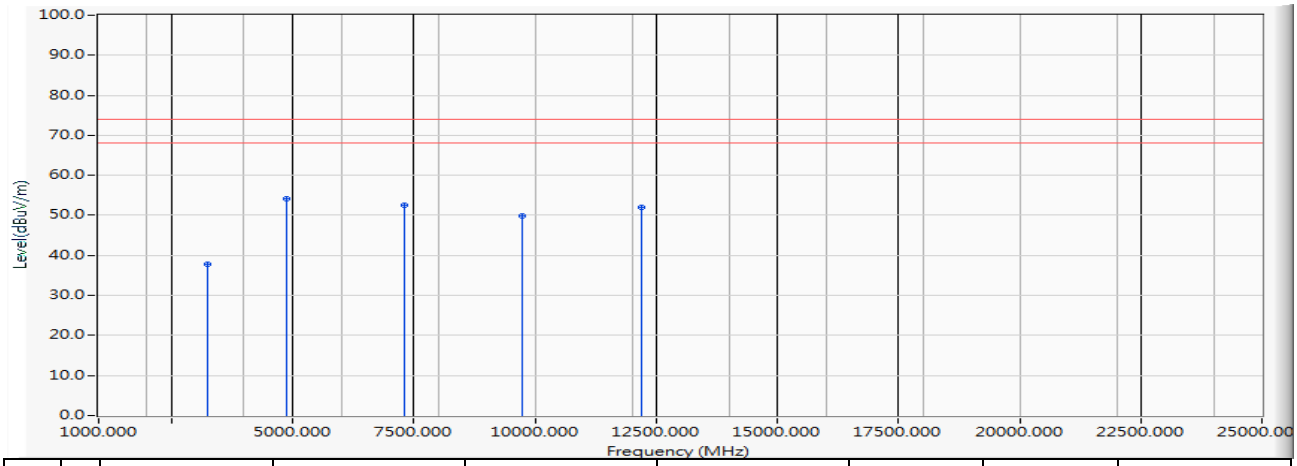


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3248.674	-6.718	43.210	36.493	-37.507	74.000	PEAK
2		4873.936	-0.141	50.650	50.509	-23.491	74.000	PEAK
3		7309.334	7.398	41.570	48.968	-25.032	74.000	PEAK
4		9747.610	12.852	36.950	49.802	-24.198	74.000	PEAK
5	*	12185.905	14.901	36.750	51.651	-22.349	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 : CB2-H	**Time : 2017/09/22**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11b_2437MHz_Ant1**

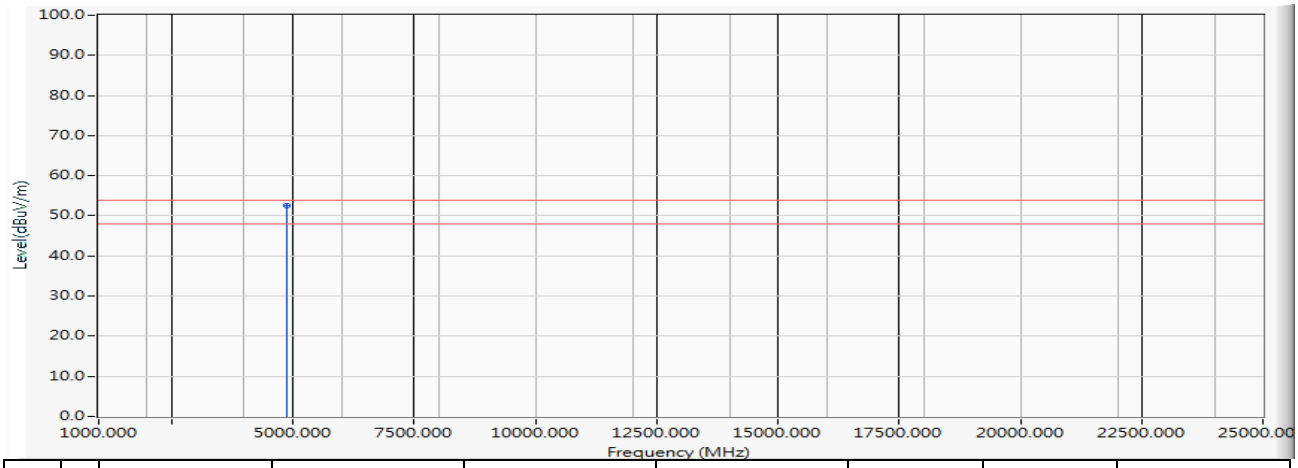


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3246.102	-6.722	44.510	37.788	-36.212	74.000	PEAK
2	*	4873.961	-0.141	54.250	54.109	-19.891	74.000	PEAK
3		7309.532	7.399	45.110	52.509	-21.491	74.000	PEAK
4		9748.631	12.853	36.900	49.753	-24.247	74.000	PEAK
5		12184.967	14.904	37.230	52.134	-21.866	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 : CB2-H	**Time : 2017/09/22**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11b_2437MHz_Ant1**

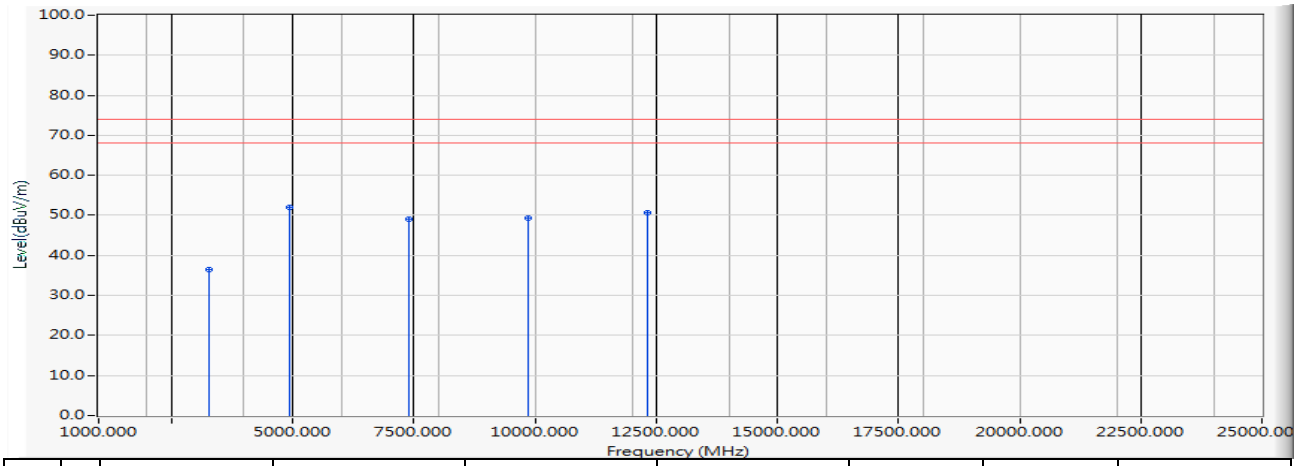


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4873.961	-0.141	52.791	52.650	-1.350	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/22**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11b_2462MHz_Ant1**

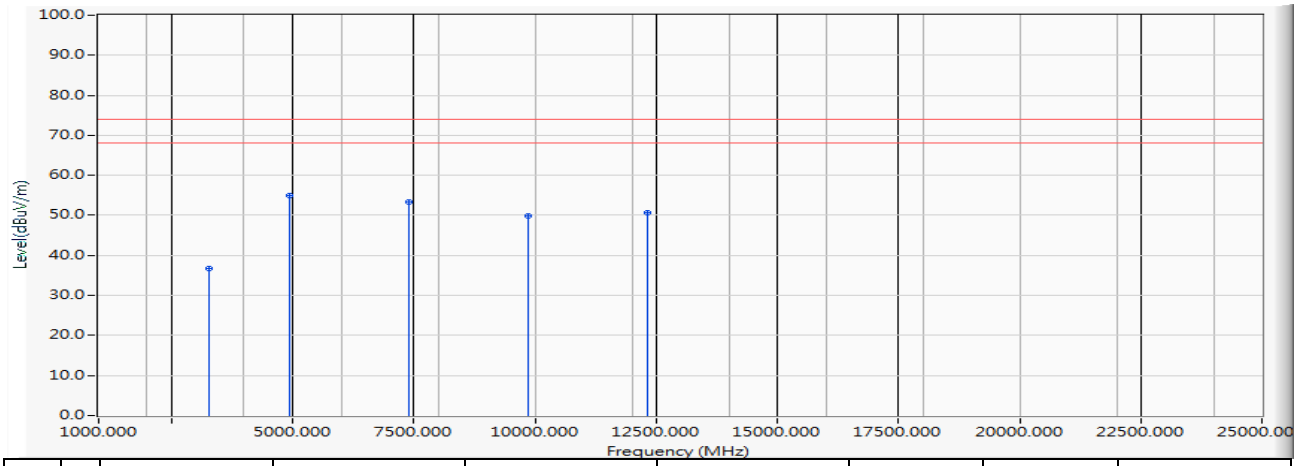


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3280.139	-6.655	43.150	36.495	-37.505	74.000	PEAK
2	*	4924.080	-0.076	52.140	52.065	-21.935	74.000	PEAK
3		7386.811	7.678	41.480	49.157	-24.843	74.000	PEAK
4		9849.863	12.992	36.440	49.432	-24.568	74.000	PEAK
5		12311.228	15.105	35.560	50.665	-23.335	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 : CB2-H	**Time : 2017/09/22**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11b_2462MHz_Ant1**

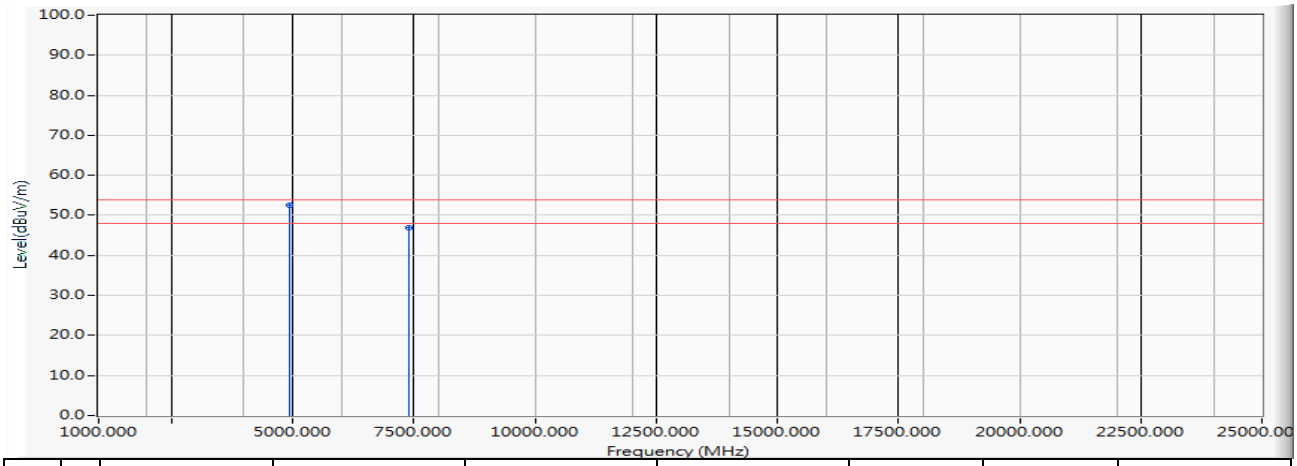


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3283.930	-6.647	43.390	36.742	-37.258	74.000	PEAK
2	*	4924.054	-0.076	54.950	54.875	-19.125	74.000	PEAK
3		7384.796	7.669	45.560	53.230	-20.770	74.000	PEAK
4		9848.048	12.989	37.010	49.999	-24.001	74.000	PEAK
5		12312.451	15.114	35.690	50.803	-23.197	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 : CB2-H	**Time : 2017/09/22**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11b_2462MHz_Ant1**

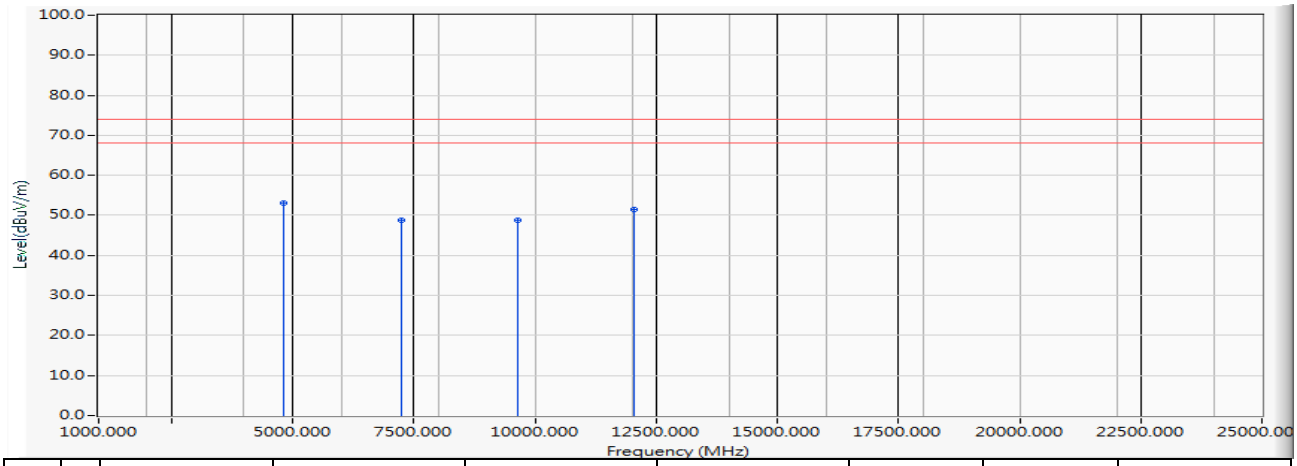


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4924.054	-0.076	52.659	52.584	-1.416	54.000	AVERAGE
2		7384.796	7.669	39.191	46.861	-7.139	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/23**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11g_2412MHz_Ant0**

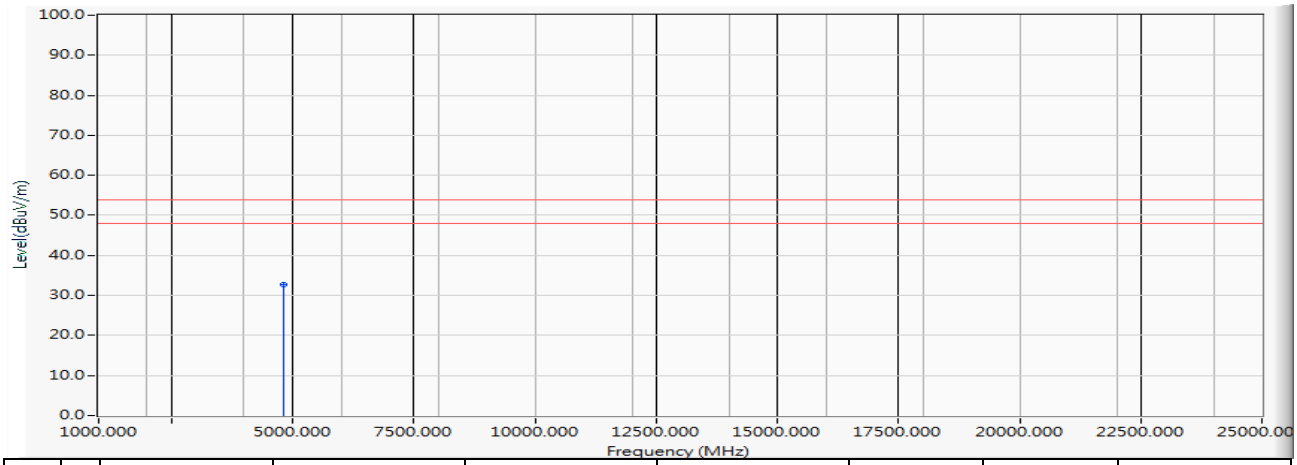


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4826.357	-0.214	53.400	53.186	-20.814	74.000	PEAK
2		7233.732	7.129	41.610	48.739	-25.261	74.000	PEAK
3		9661.470	12.601	36.060	48.661	-25.339	74.000	PEAK
4		12049.321	15.375	36.160	51.535	-22.465	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 : CB2-H	**Time : 2017/09/23**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11g_2412MHz_Ant0**

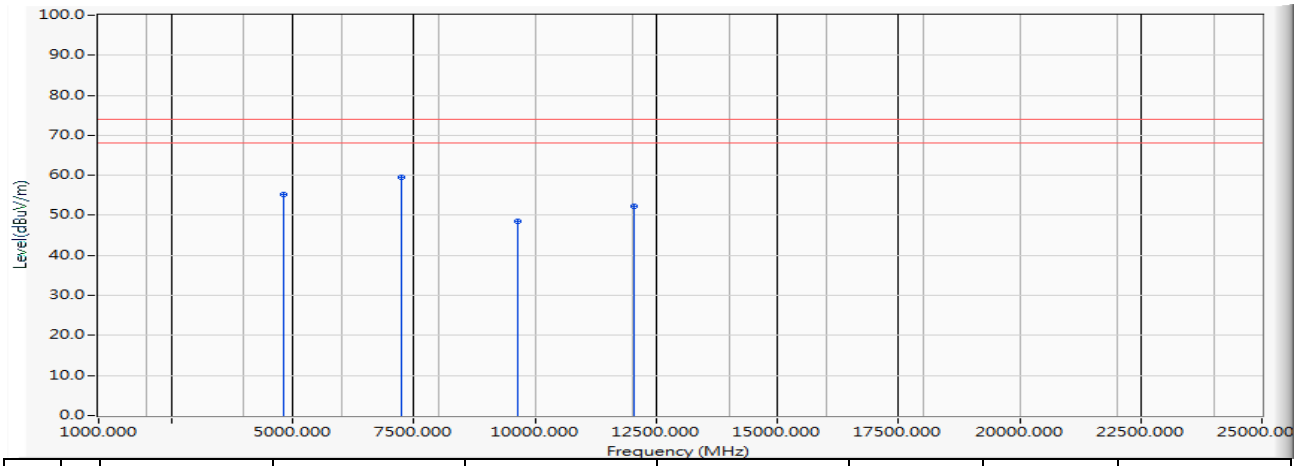


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4826.357	-0.214	32.926	32.712	-21.288	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/23**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11g_2412MHz_Ant0**

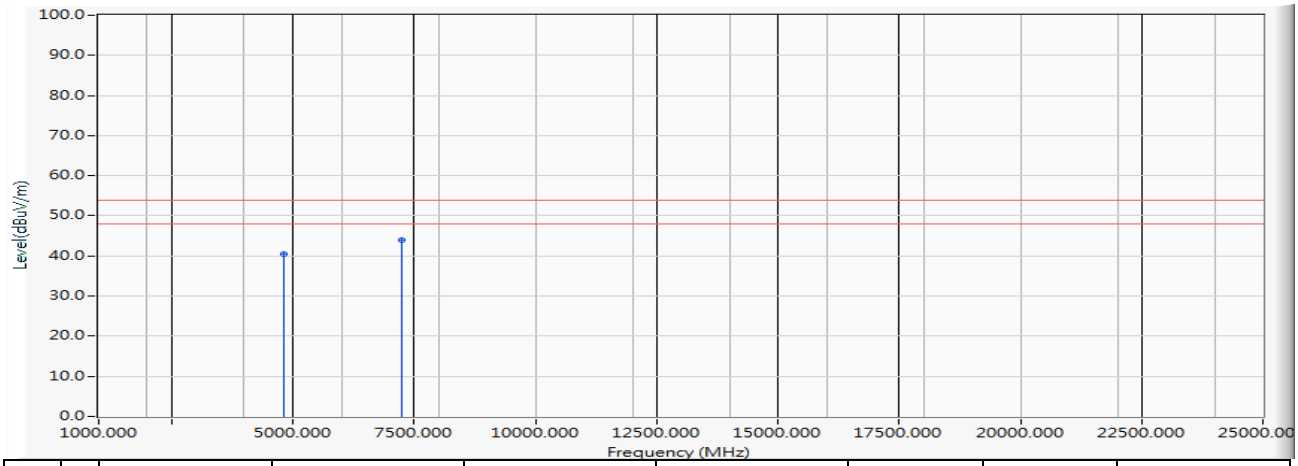


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4826.711	-0.214	55.320	55.107	-18.893	74.000	PEAK
2	*	7236.052	7.127	52.420	59.547	-14.453	74.000	PEAK
3		9648.007	12.587	36.060	48.647	-25.353	74.000	PEAK
4		12056.584	15.350	36.810	52.160	-21.840	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 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 : CB2-H	**Time : 2017/09/23**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11g_2412MHz_Ant0**

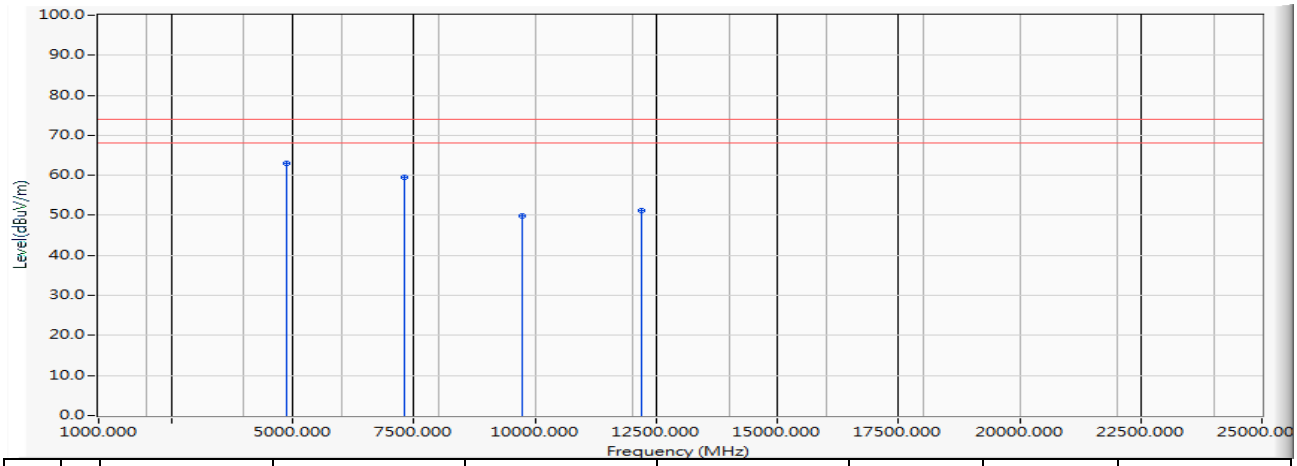


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4826.711	-0.214	40.795	40.582	-13.418	54.000	AVERAGE
2	*	7236.052	7.127	36.710	43.837	-10.163	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/22**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11g_2437MHz_Ant0**

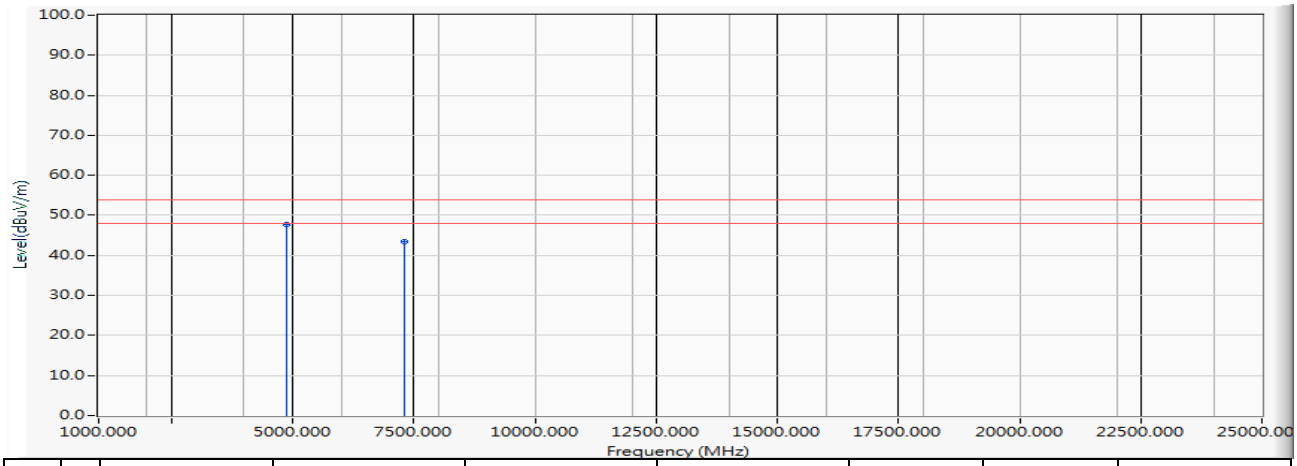


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4873.848	-0.141	63.070	62.929	-11.071	74.000	PEAK
2		7312.641	7.410	52.110	59.520	-14.480	74.000	PEAK
3		9748.027	12.853	36.980	49.833	-24.167	74.000	PEAK
4		12185.034	14.904	36.310	51.214	-22.786	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 : CB2-H	**Time : 2017/09/22**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11g_2437MHz_Ant0**

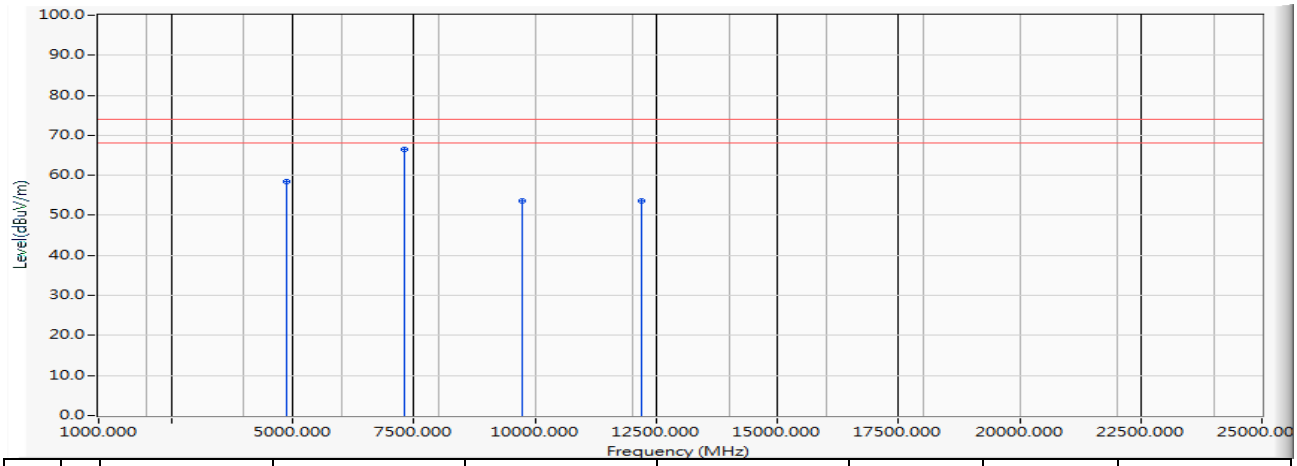


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4873.848	-0.141	47.846	47.705	-6.295	54.000	AVERAGE
2		7312.641	7.410	35.986	43.396	-10.604	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/22**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11g_2437MHz_Ant0**

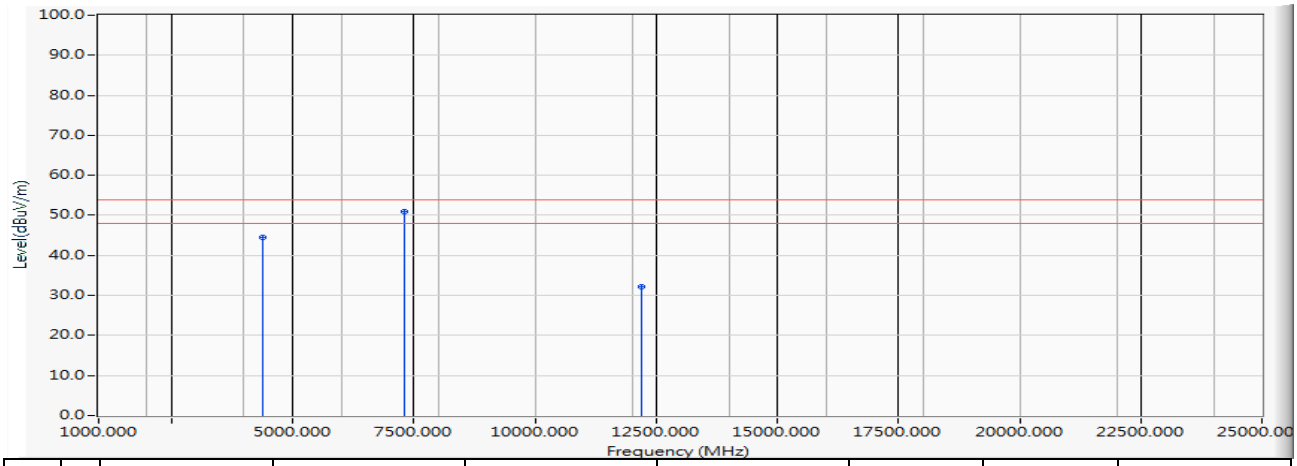


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4873.808	-0.141	58.570	58.428	-15.572	74.000	PEAK
2	*	7311.036	7.405	59.160	66.564	-7.436	74.000	PEAK
3		9748.656	12.853	40.880	53.733	-20.267	74.000	PEAK
4		12184.976	14.904	38.640	53.544	-20.456	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 : CB2-H	**Time : 2017/09/22**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11g_2437MHz_Ant0**

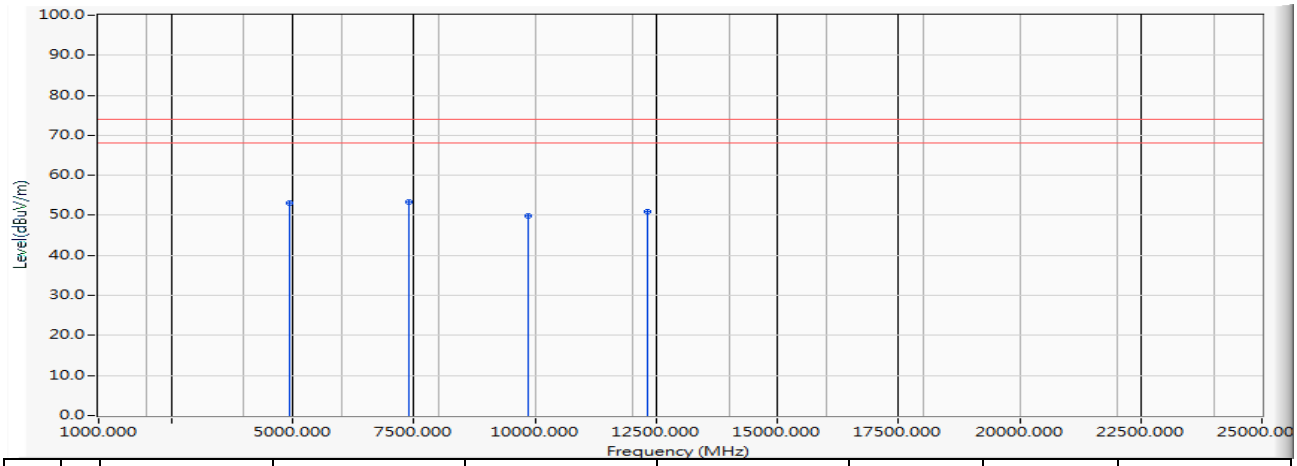


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4373.808	-2.506	46.882	44.376	-9.624	54.000	AVERAGE
2	*	7311.036	7.405	43.537	50.941	-3.059	54.000	AVERAGE
3		12184.976	14.904	17.370	32.274	-21.726	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/23**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11g_2462MHz_Ant0**

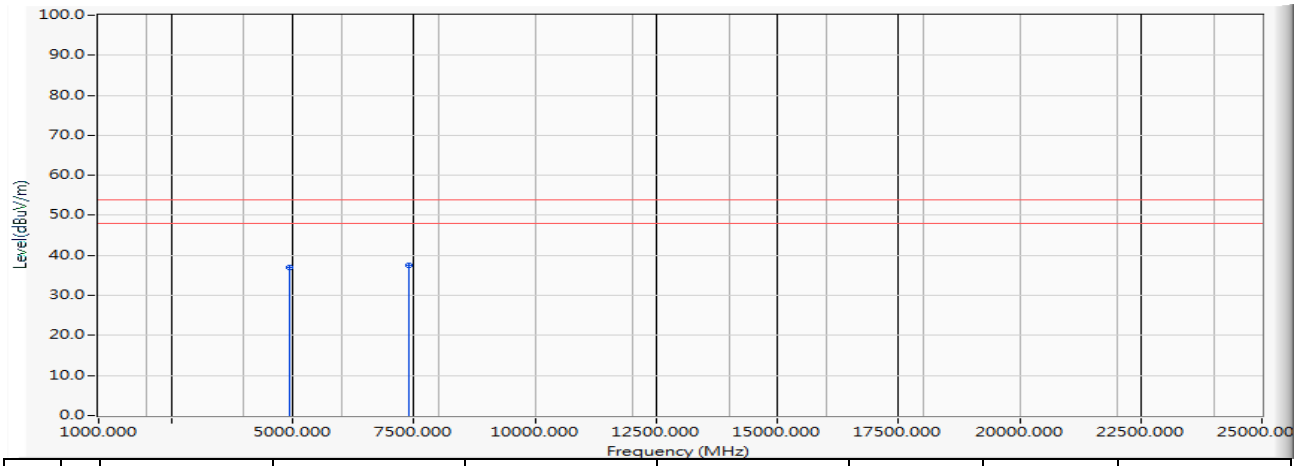


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4924.748	-0.075	53.200	53.125	-20.875	74.000	PEAK
2	*	7386.642	7.676	45.630	53.306	-20.694	74.000	PEAK
3		9847.674	12.989	36.950	49.939	-24.061	74.000	PEAK
4		12312.343	15.113	35.870	50.983	-23.017	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 : CB2-H	**Time : 2017/09/23**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11g_2462MHz_Ant0**

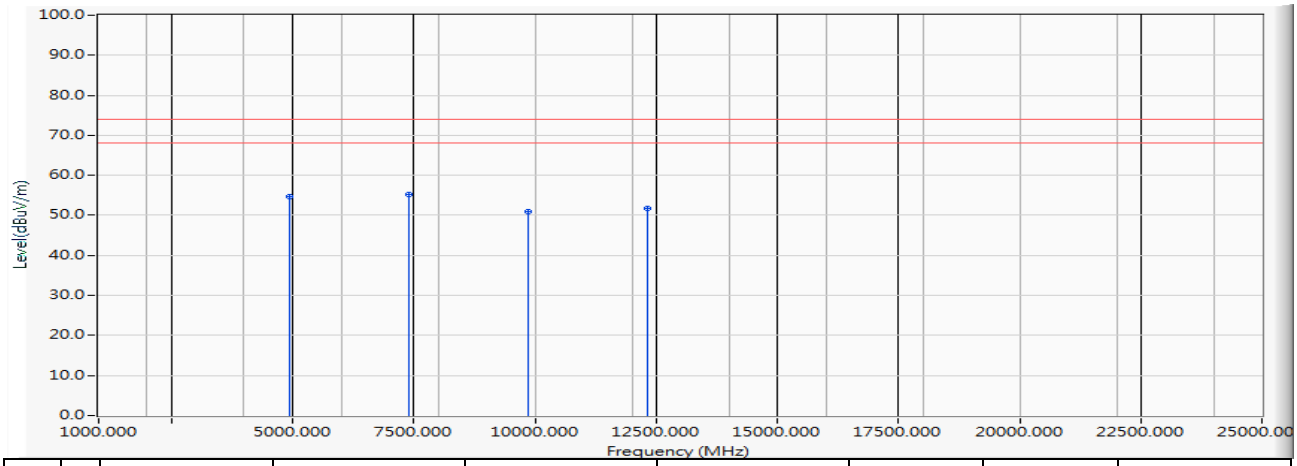


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4924.748	-0.075	37.130	37.055	-16.945	54.000	AVERAGE
2	*	7386.642	7.676	29.830	37.506	-16.494	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/23**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11g_2462MHz_Ant0**

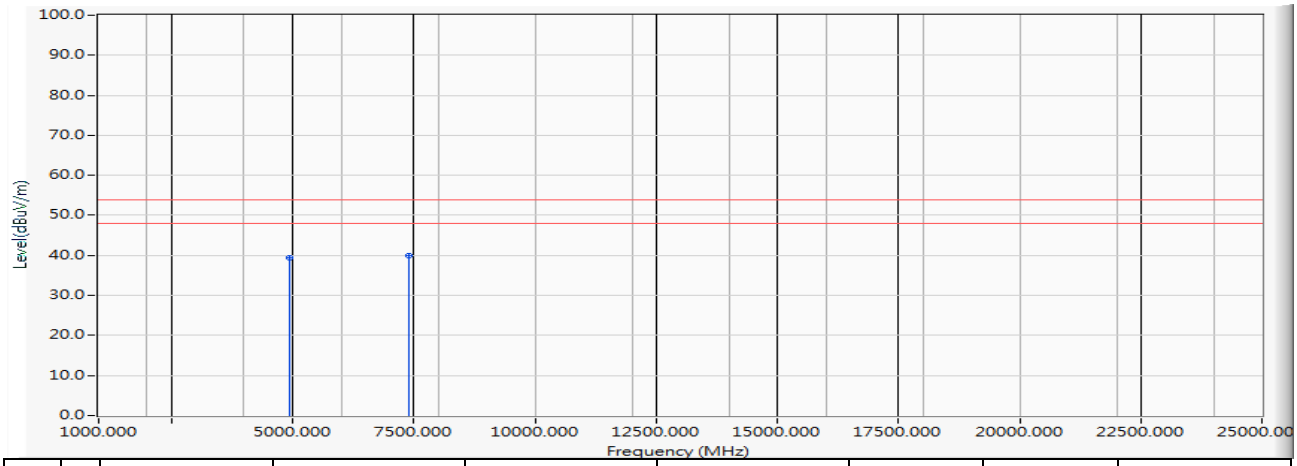


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4923.879	-0.076	54.640	54.564	-19.436	74.000	PEAK
2	*	7386.425	7.676	47.680	55.356	-18.644	74.000	PEAK
3		9847.881	12.989	37.910	50.899	-23.101	74.000	PEAK
4		12311.044	15.104	36.710	51.813	-22.187	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 : CB2-H	**Time : 2017/09/23**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11g_2462MHz_Ant0**

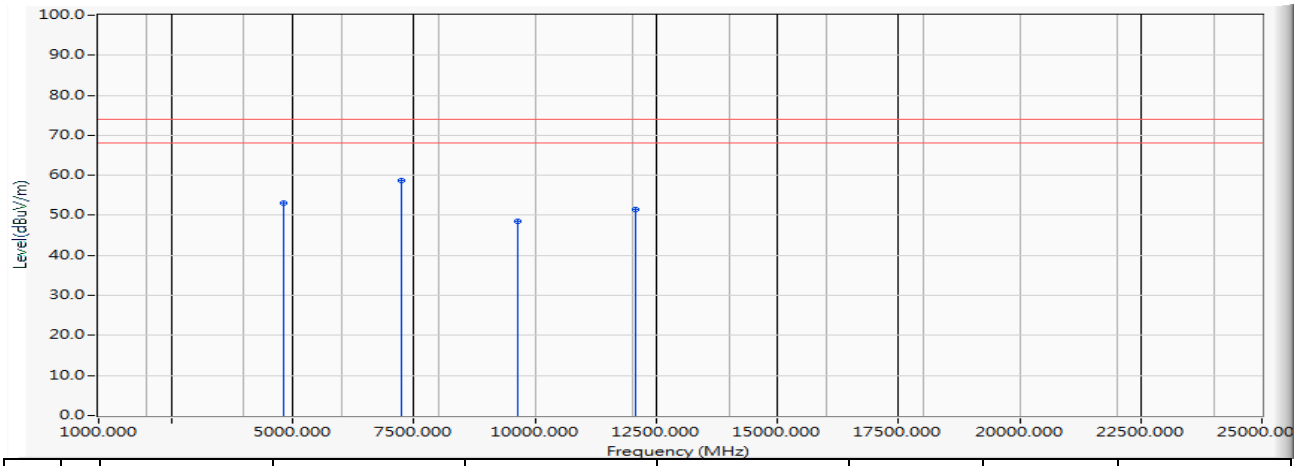


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4923.879	-0.076	39.499	39.423	-14.577	54.000	AVERAGE
2	*	7386.425	7.676	32.320	39.996	-14.004	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/23**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11g_2412MHz_Ant1**

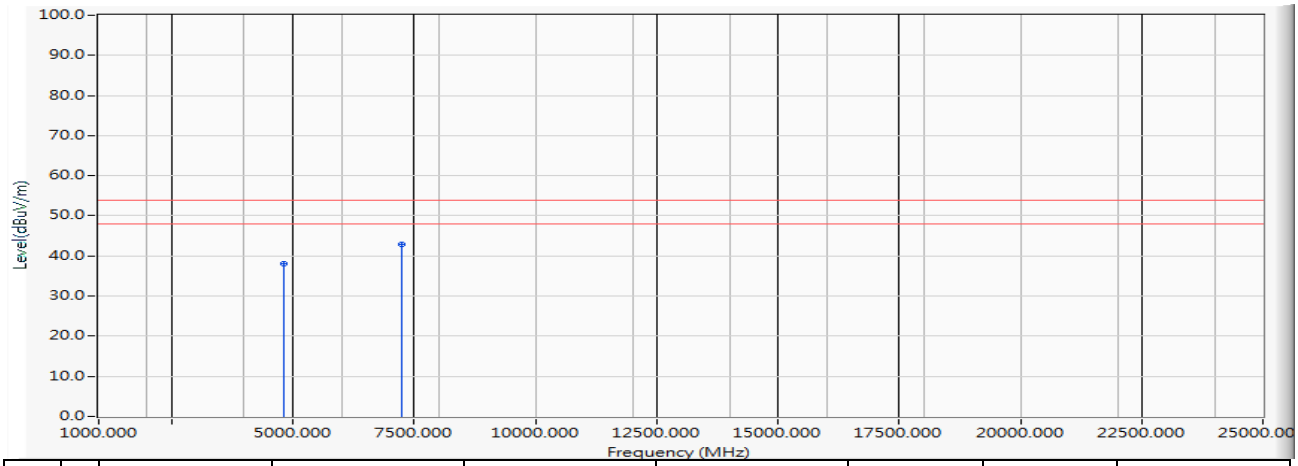


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4824.041	-0.219	53.430	53.211	-20.789	74.000	PEAK
2	*	7237.541	7.126	51.490	58.616	-15.384	74.000	PEAK
3		9648.031	12.587	35.930	48.517	-25.483	74.000	PEAK
4		12063.152	15.328	36.150	51.477	-22.523	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 : CB2-H	**Time : 2017/09/23**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11g_2412MHz_Ant1**

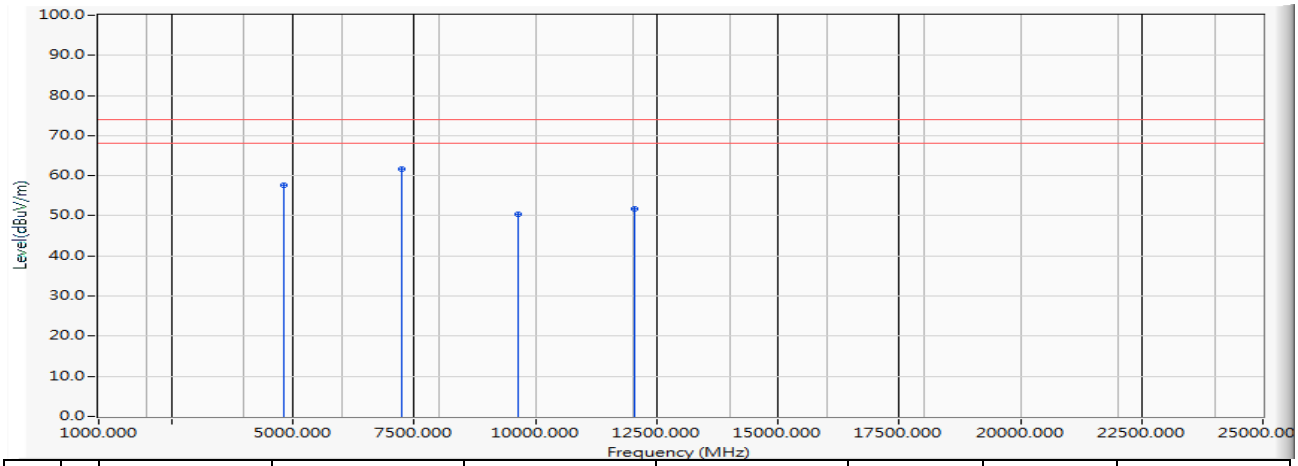


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4824.041	-0.219	38.250	38.031	-15.969	54.000	AVERAGE
2	*	7237.541	7.126	35.780	42.906	-11.094	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/23**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11g_2412MHz_Ant1**

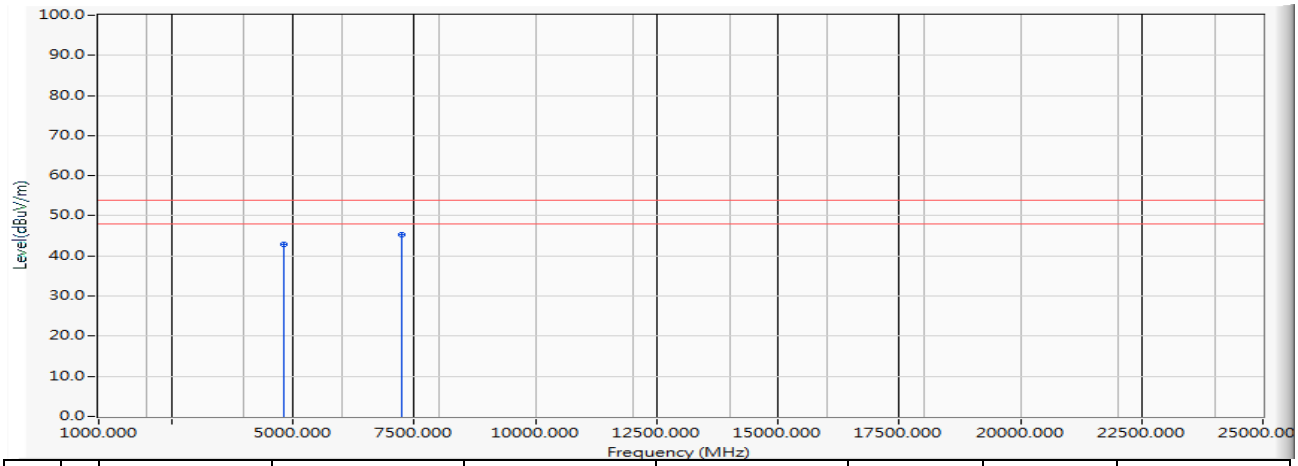


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4824.085	-0.219	57.890	57.671	-16.329	74.000	PEAK
2	*	7236.275	7.126	54.440	61.567	-12.433	74.000	PEAK
3		9648.063	12.587	37.910	50.497	-23.503	74.000	PEAK
4		12061.378	15.334	36.470	51.804	-22.196	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 : CB2-H	**Time : 2017/09/23**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11g_2412MHz_Ant1**

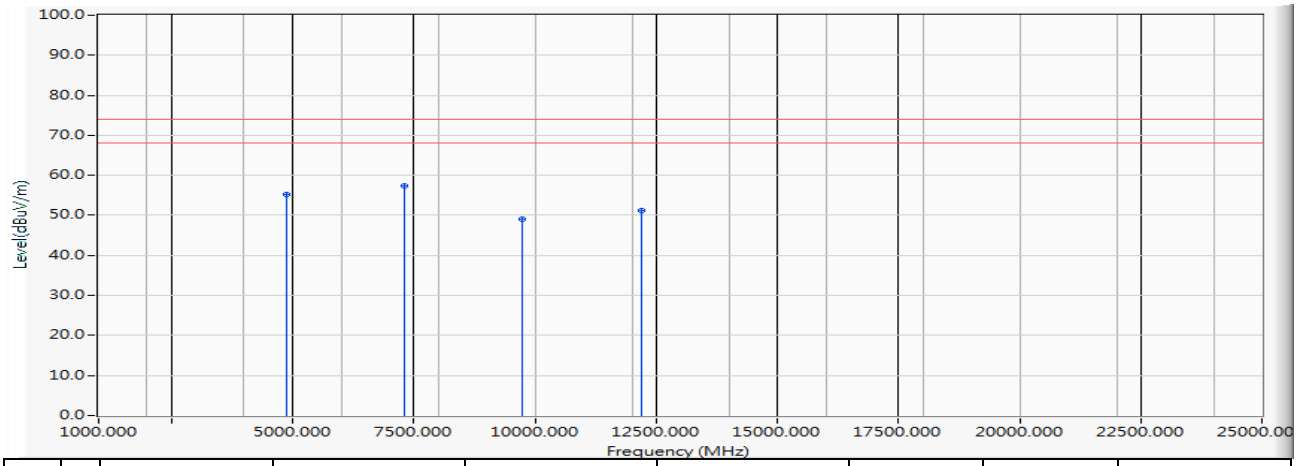


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4824.085	-0.219	43.232	43.013	-10.987	54.000	AVERAGE
2	*	7236.275	7.126	38.094	45.221	-8.779	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/22**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11g_2437MHz_Ant1**

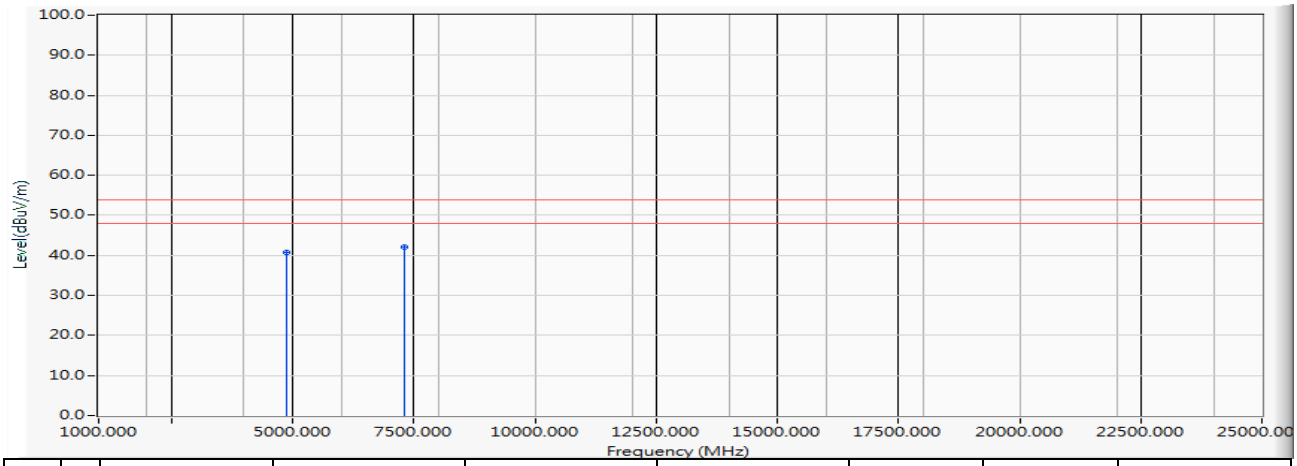


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4872.146	-0.151	55.260	55.110	-18.890	74.000	PEAK
2	*	7310.416	7.402	50.100	57.502	-16.498	74.000	PEAK
3		9748.087	12.853	36.320	49.173	-24.827	74.000	PEAK
4		12185.331	14.903	36.310	51.213	-22.787	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 : CB2-H	**Time : 2017/09/22**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11g_2437MHz_Ant1**

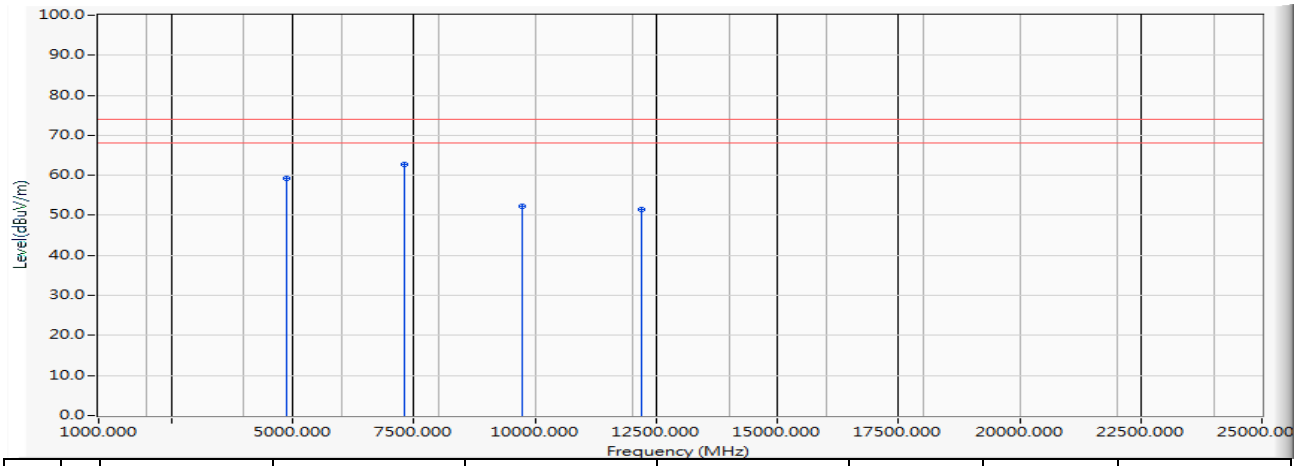


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4872.146	-0.151	41.025	40.875	-13.125	54.000	AVERAGE
2	*	7310.416	7.402	34.691	42.093	-11.907	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/22**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11g_2437MHz_Ant1**

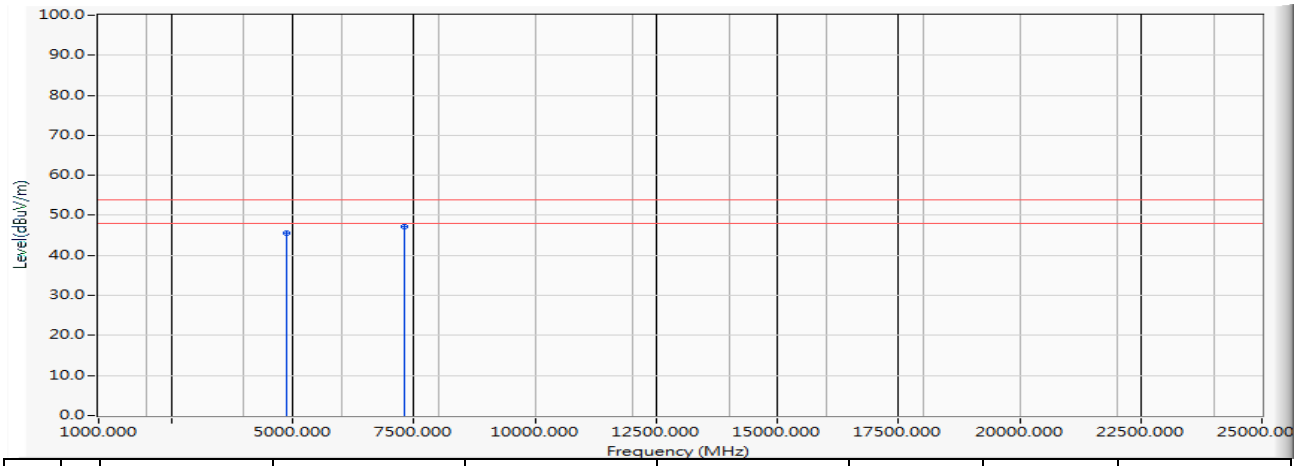


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.361	-0.139	59.480	59.341	-14.659	74.000	PEAK
2	*	7308.228	7.394	55.360	62.754	-11.246	74.000	PEAK
3		9747.974	12.853	39.540	52.393	-21.607	74.000	PEAK
4		12185.645	14.902	36.590	51.492	-22.508	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 : CB2-H	**Time : 2017/09/22**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11g_2437MHz_Ant1**

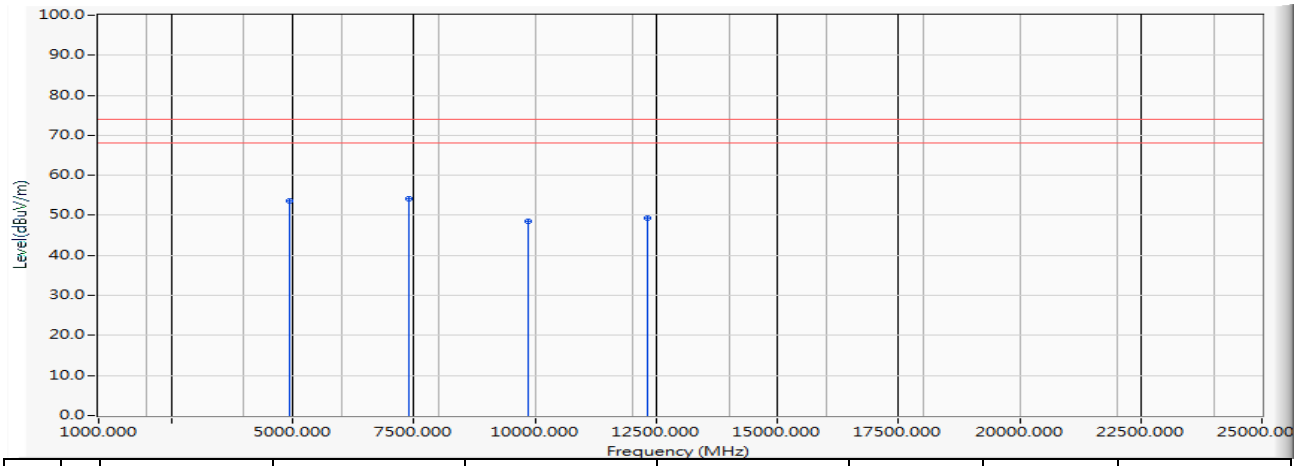


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.361	-0.139	45.684	45.545	-8.455	54.000	AVERAGE
2	*	7308.228	7.394	39.819	47.213	-6.787	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/23**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11g_2462MHz_Ant1**

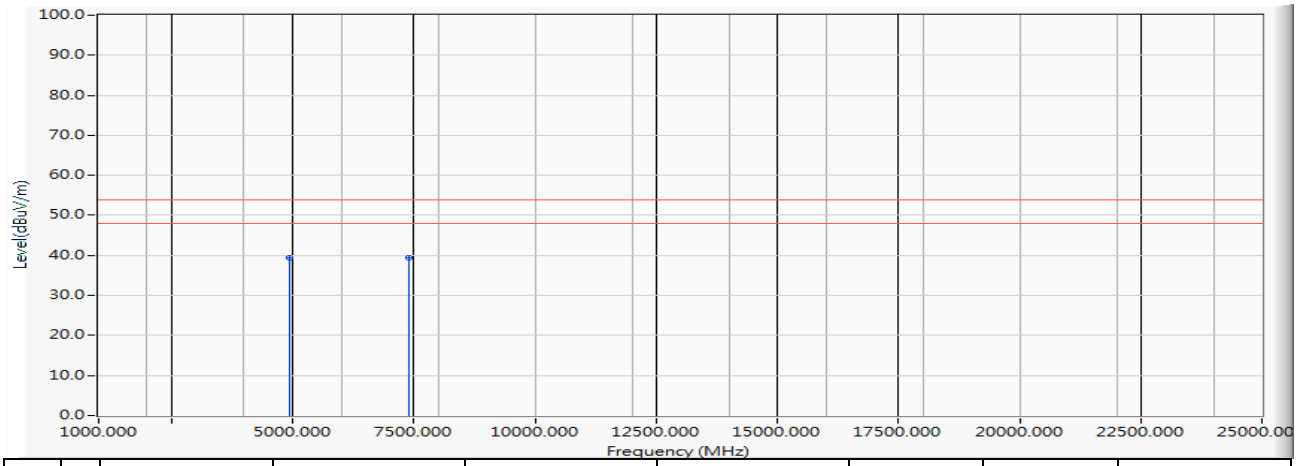


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4923.808	-0.075	53.760	53.684	-20.316	74.000	PEAK
2	*	7385.669	7.673	46.460	54.133	-19.867	74.000	PEAK
3		9848.350	12.991	35.510	48.500	-25.500	74.000	PEAK
4		12309.684	15.093	34.170	49.264	-24.736	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/23**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11g_2462MHz_Ant1**

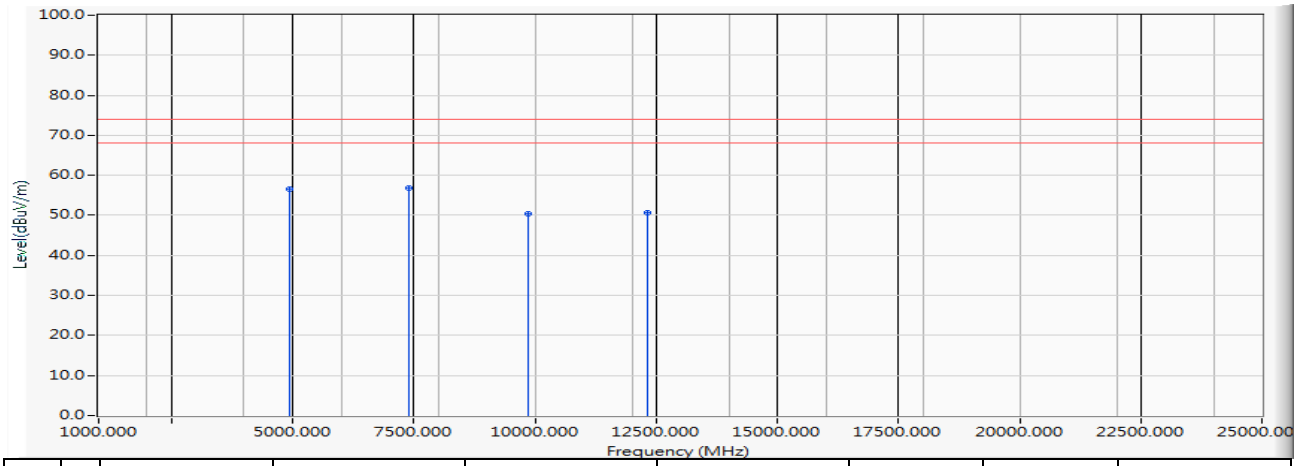


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4923.808	-0.075	39.359	39.283	-14.717	54.000	AVERAGE
2	*	7385.669	7.673	31.773	39.446	-14.554	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/23**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11g_2462MHz_Ant1**

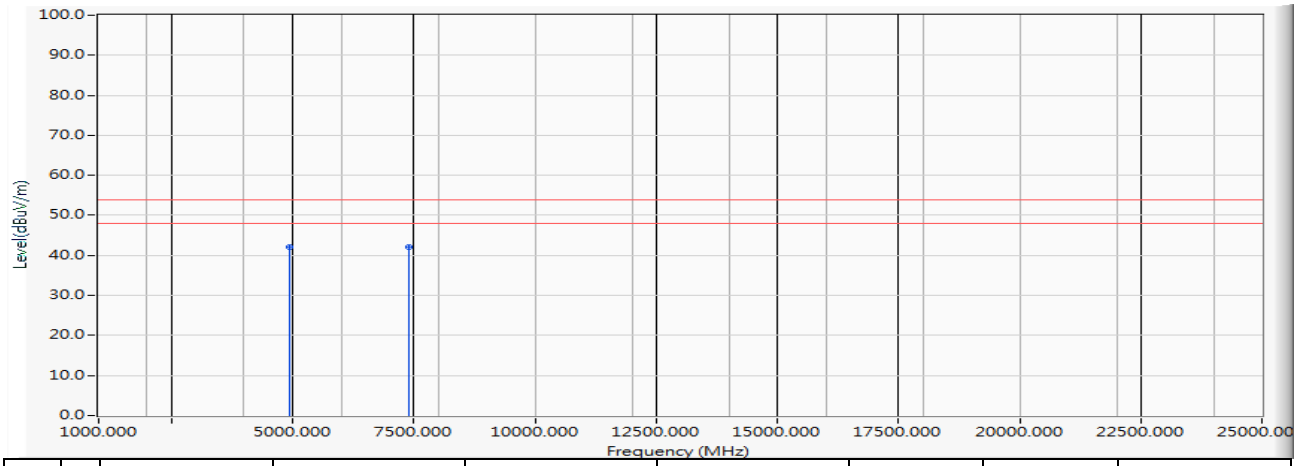


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4924.361	-0.075	56.690	56.615	-17.385	74.000	PEAK
2	*	7387.116	7.679	49.270	56.948	-17.052	74.000	PEAK
3		9848.284	12.991	37.480	50.470	-23.530	74.000	PEAK
4		12310.322	15.098	35.680	50.778	-23.222	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 : CB2-H	**Time : 2017/09/23**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11g_2462MHz_Ant1**

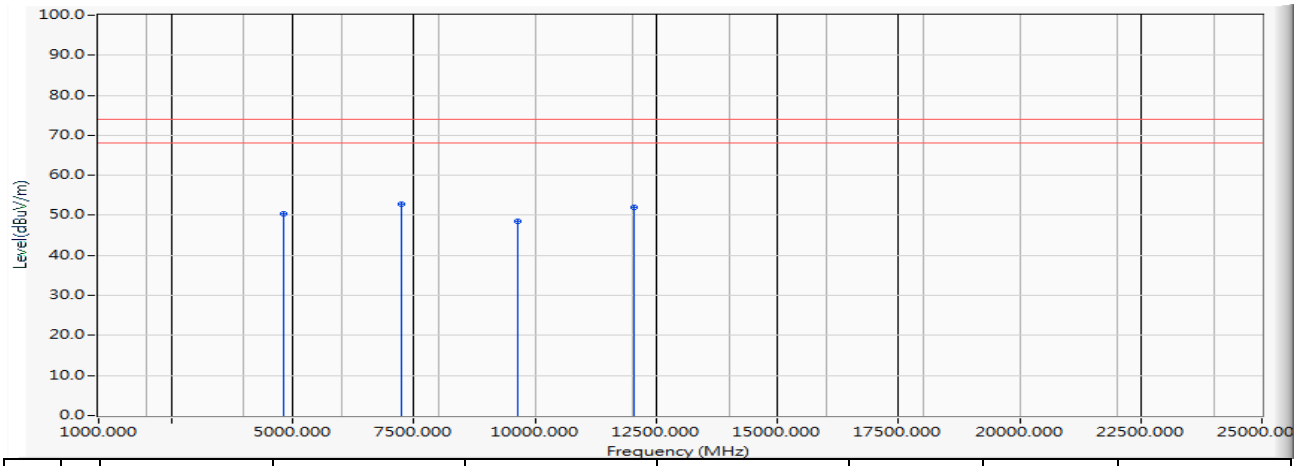


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4924.361	-0.075	42.063	41.988	-12.012	54.000	AVERAGE
2	*	7387.116	7.679	34.405	42.083	-11.917	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/13**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX SISO_ADP 1 802.11n(20M)_2412MHz**

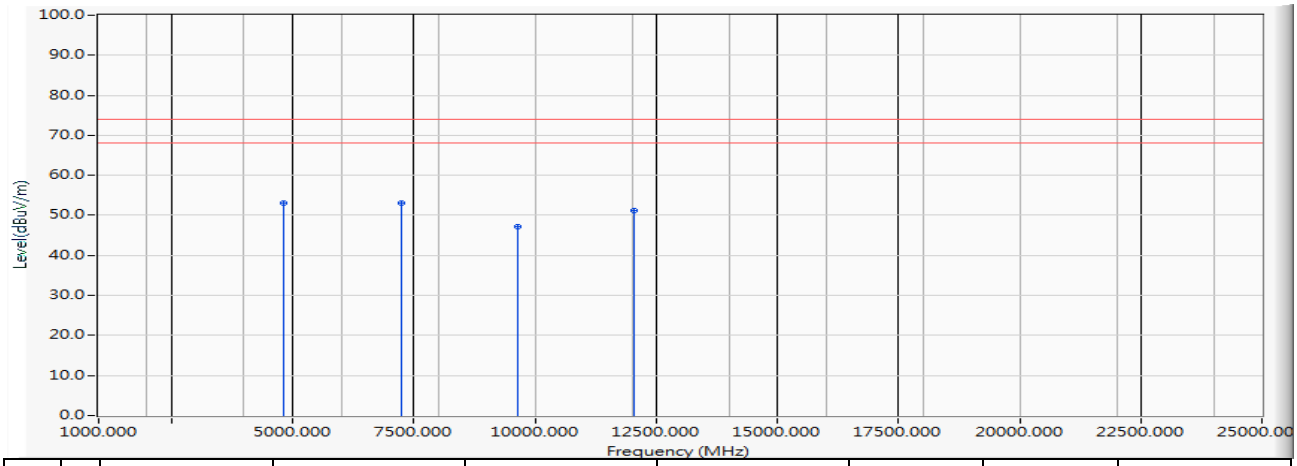


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4824.008	-0.219	50.600	50.381	-23.619	74.000	PEAK
2	*	7236.116	7.127	45.800	52.927	-21.073	74.000	PEAK
3		9646.848	12.590	35.930	48.520	-25.480	74.000	PEAK
4		12060.004	15.339	36.630	51.968	-22.032	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.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB2-H	**Time : 2017/09/13**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 2 802.11n(20M)_2412MHz**

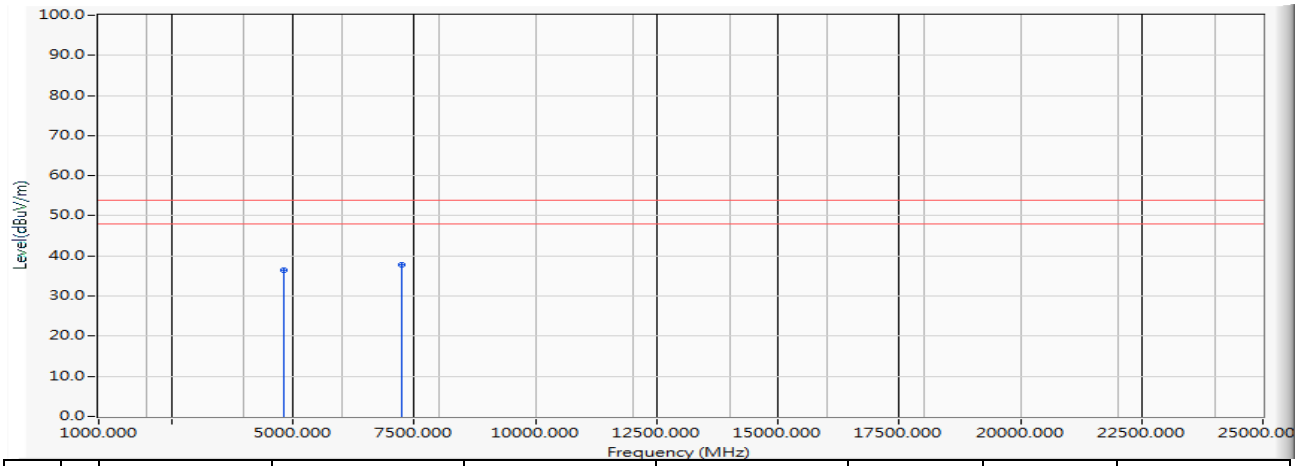


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4824.085	-0.219	53.250	53.031	-20.969	74.000	PEAK
2	*	7236.089	7.127	46.010	53.137	-20.863	74.000	PEAK
3		9648.525	12.586	34.580	47.166	-26.834	74.000	PEAK
4		12060.473	15.336	35.850	51.187	-22.813	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 : CB2-H	**Time : 2017/09/13**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 2 802.11n(20M)_2412MHz**

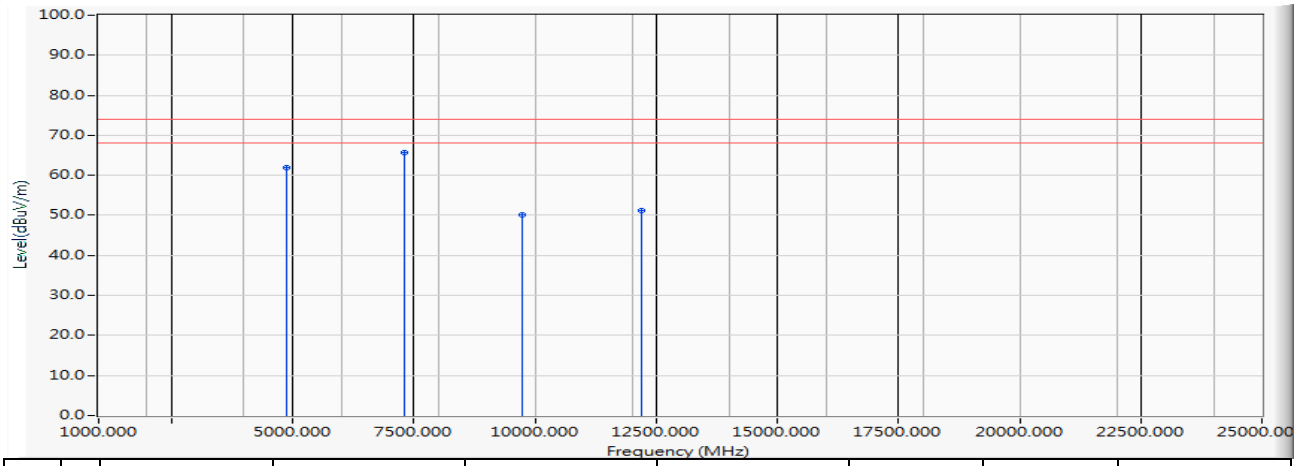


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4824.085	-0.219	36.729	36.510	-17.490	54.000	AVERAGE
2	*	7236.089	7.127	30.790	37.917	-16.083	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/13**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 2 802.11n(20M)_2437MHz**

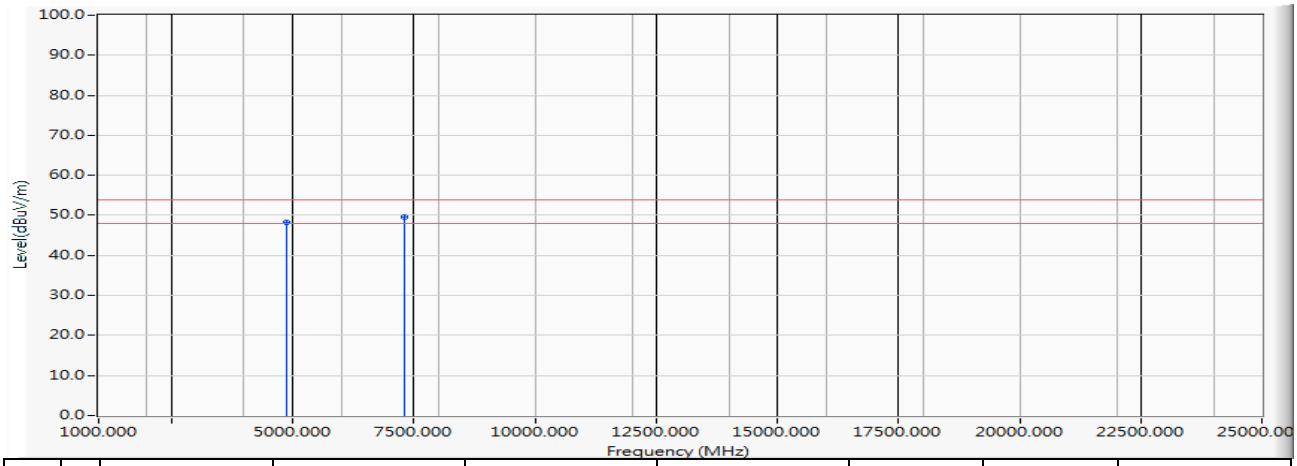


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4873.978	-0.140	61.990	61.849	-12.151	74.000	PEAK
2	*	7309.884	7.400	58.260	65.660	-8.340	74.000	PEAK
3		9748.230	12.853	37.260	50.113	-23.887	74.000	PEAK
4		12185.051	14.904	36.240	51.144	-22.856	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 : CB2-H	**Time : 2017/09/13**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 2 802.11n(20M)_2437MHz**

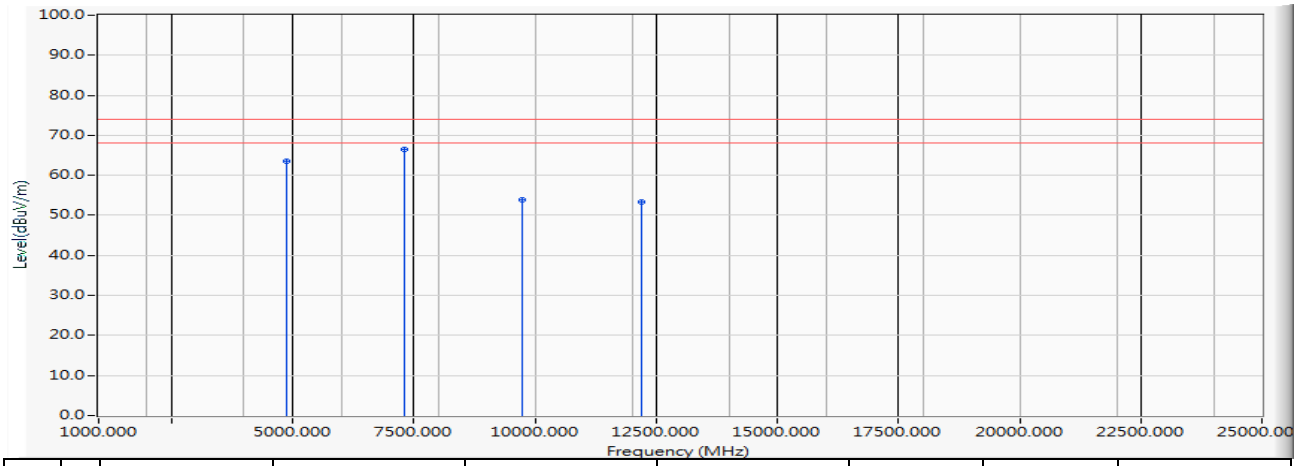


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4873.978	-0.140	48.295	48.154	-5.846	54.000	AVERAGE
2	*	7309.884	7.400	42.285	49.685	-4.315	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/13**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 2 802.11n(20M)_2437MHz**

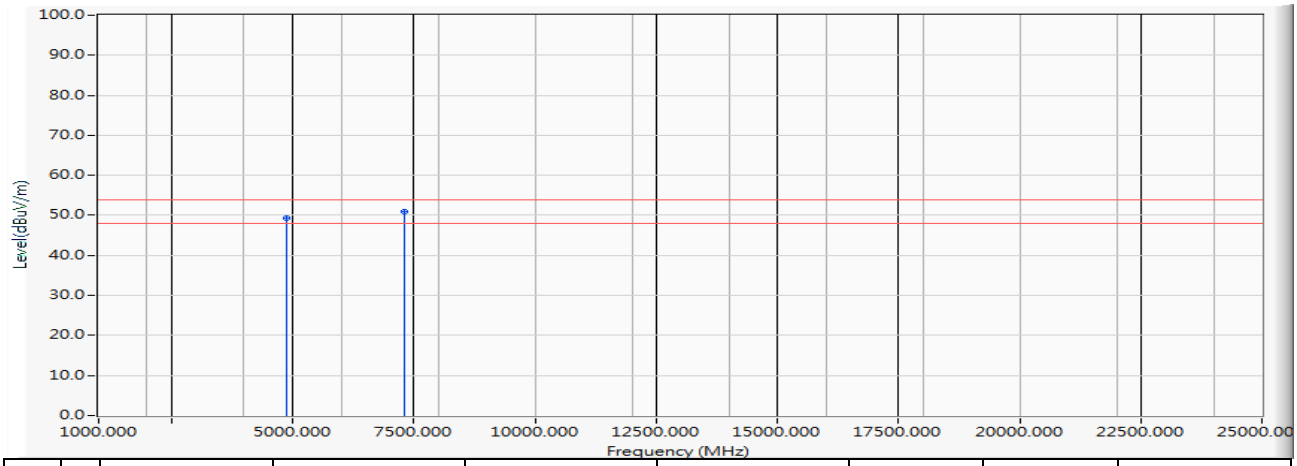


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.054	-0.140	63.740	63.600	-10.400	74.000	PEAK
2	*	7311.055	7.405	58.990	66.394	-7.606	74.000	PEAK
3		9748.543	12.853	41.010	53.863	-20.137	74.000	PEAK
4		12185.334	14.903	38.420	53.323	-20.677	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 : CB2-H	**Time : 2017/09/13**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 2 802.11n(20M)_2437MHz**

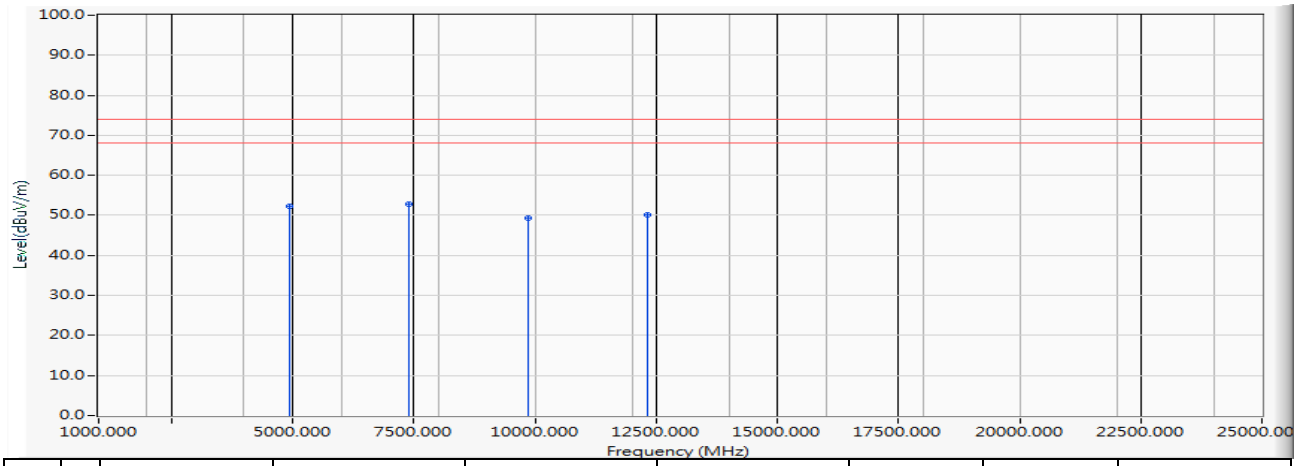


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.054	-0.140	49.530	49.390	-4.610	54.000	AVERAGE
2	*	7311.055	7.405	43.490	50.894	-3.106	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/13**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 2 802.11n(20M)_2462MHz**

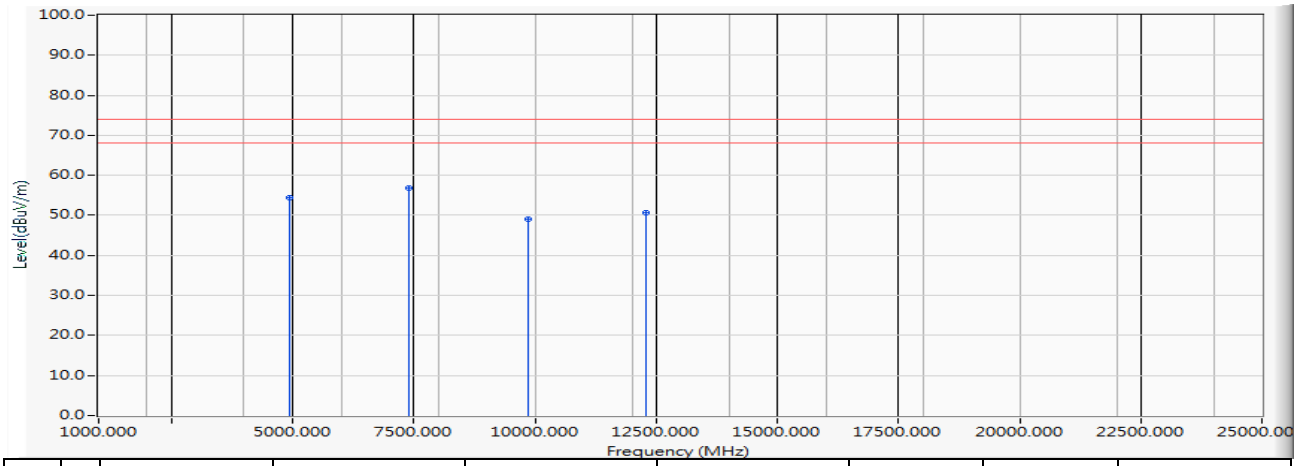


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4924.476	-0.074	52.270	52.195	-21.805	74.000	PEAK
2	*	7386.064	7.675	45.130	52.804	-21.196	74.000	PEAK
3		9848.162	12.990	36.250	49.240	-24.760	74.000	PEAK
4		12310.020	15.097	35.020	50.116	-23.884	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 : CB2-H	**Time : 2017/09/13**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 2 802.11n(20M)_2462MHz**

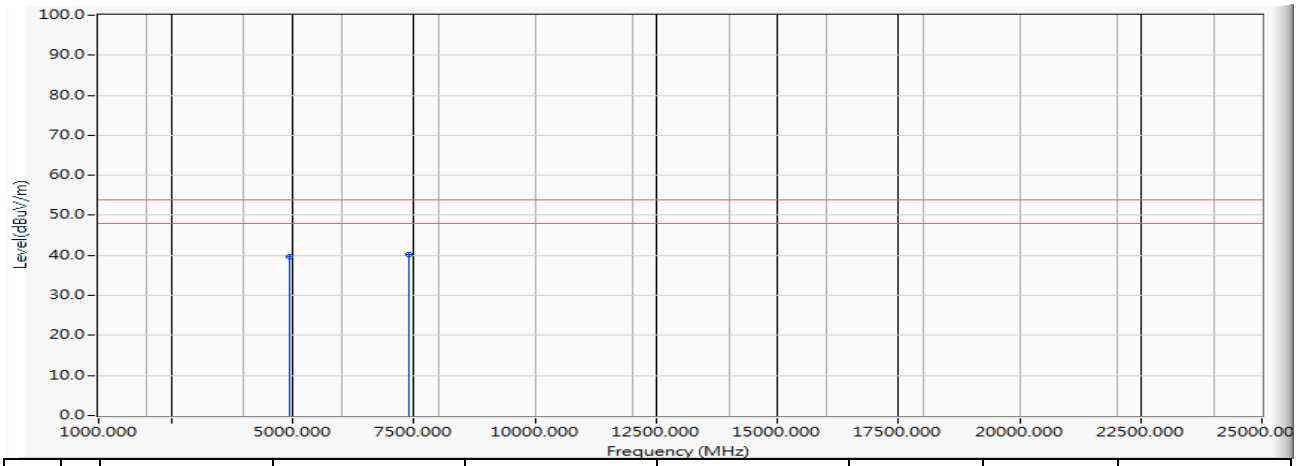


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4924.306	-0.075	54.390	54.315	-19.685	74.000	PEAK
2	*	7386.328	7.675	49.160	56.835	-17.165	74.000	PEAK
3		9847.981	12.989	36.170	49.159	-24.841	74.000	PEAK
4		12301.122	15.033	35.680	50.713	-23.287	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 : CB2-H	**Time : 2017/09/13**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 2 802.11n(20M)_2462MHz**

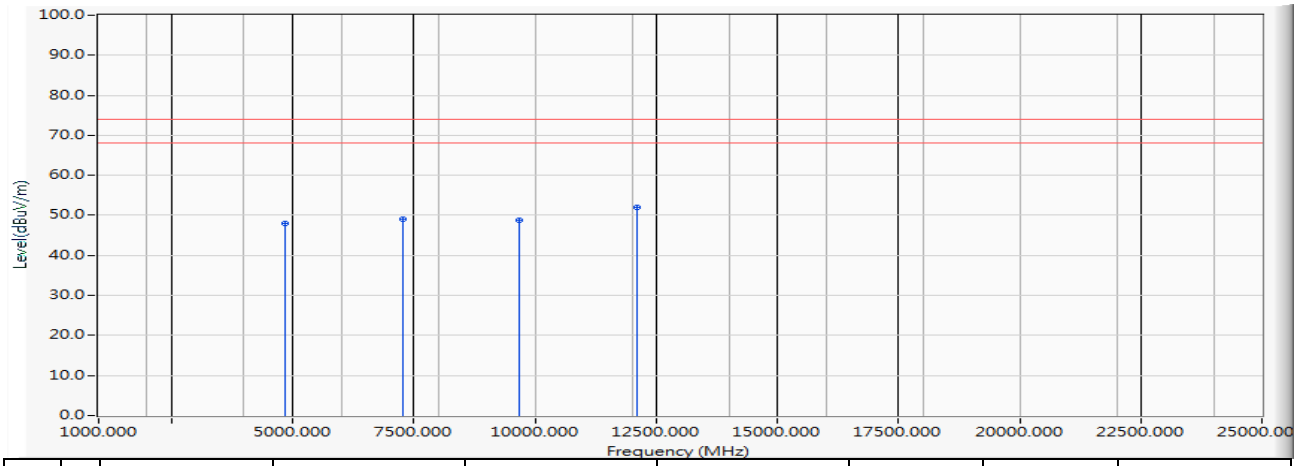


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4924.306	-0.075	39.680	39.605	-14.395	54.000	AVERAGE
2	*	7386.328	7.675	32.489	40.164	-13.836	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/13**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 2 802.11n(40M)_2422MHz**

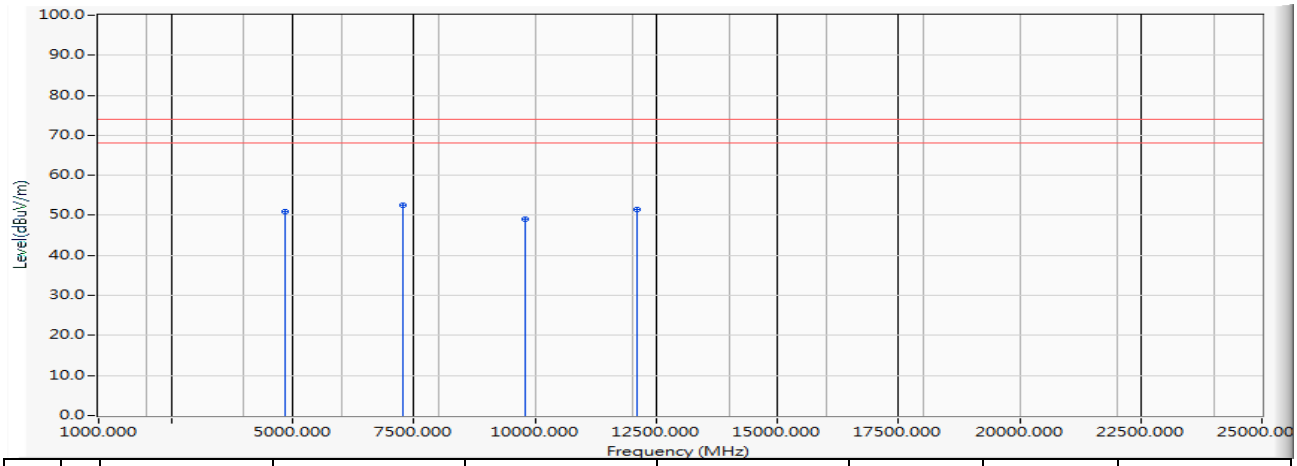


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4844.002	-0.159	48.120	47.961	-26.039	74.000	PEAK
2		7266.247	7.354	41.840	49.195	-24.805	74.000	PEAK
3		9687.846	12.782	35.910	48.692	-25.308	74.000	PEAK
4	*	12112.040	15.157	36.850	52.007	-21.993	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 : CB2-H	**Time : 2017/09/13**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 2 802.11n(40M)_2422MHz**

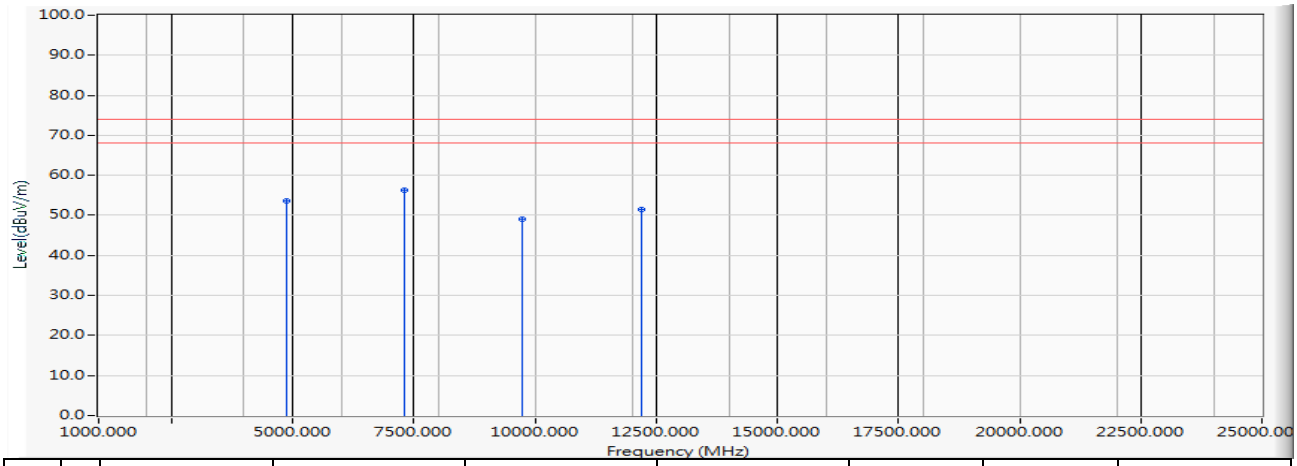


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4844.026	-0.159	51.070	50.911	-23.089	74.000	PEAK
2	*	7265.634	7.354	45.070	52.423	-21.577	74.000	PEAK
3		9788.452	12.905	36.140	49.045	-24.955	74.000	PEAK
4		12110.142	15.164	36.370	51.534	-22.466	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/13**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 2 802.11n(40M)_2437MHz**

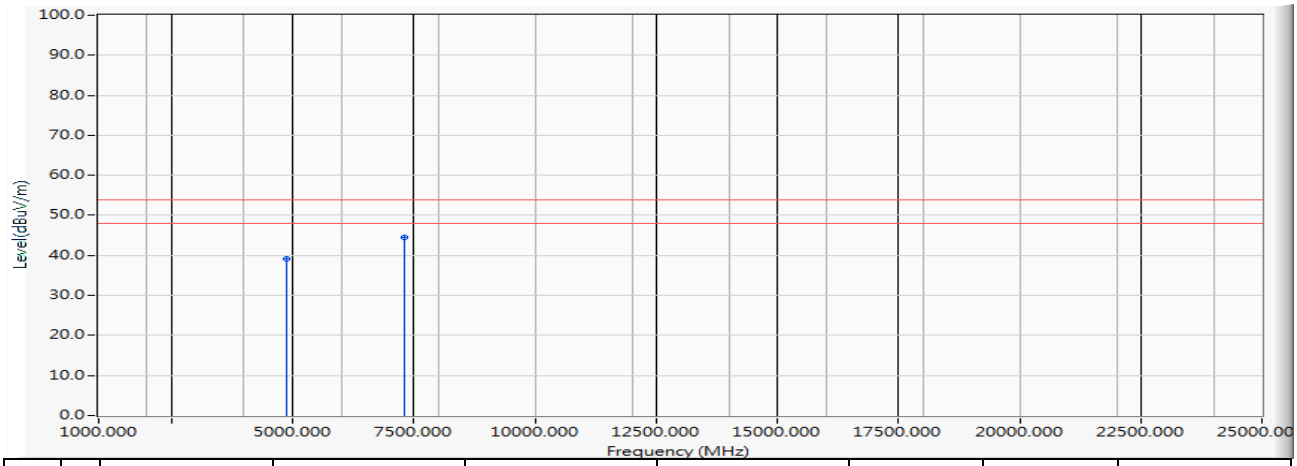


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.013	-0.140	53.830	53.689	-20.311	74.000	PEAK
2	*	7311.057	7.405	48.770	56.174	-17.826	74.000	PEAK
3		9748.055	12.853	36.270	49.123	-24.877	74.000	PEAK
4		12185.696	14.902	36.630	51.531	-22.469	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 : CB2-H	**Time : 2017/09/13**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 2 802.11n(40M)_2437MHz**

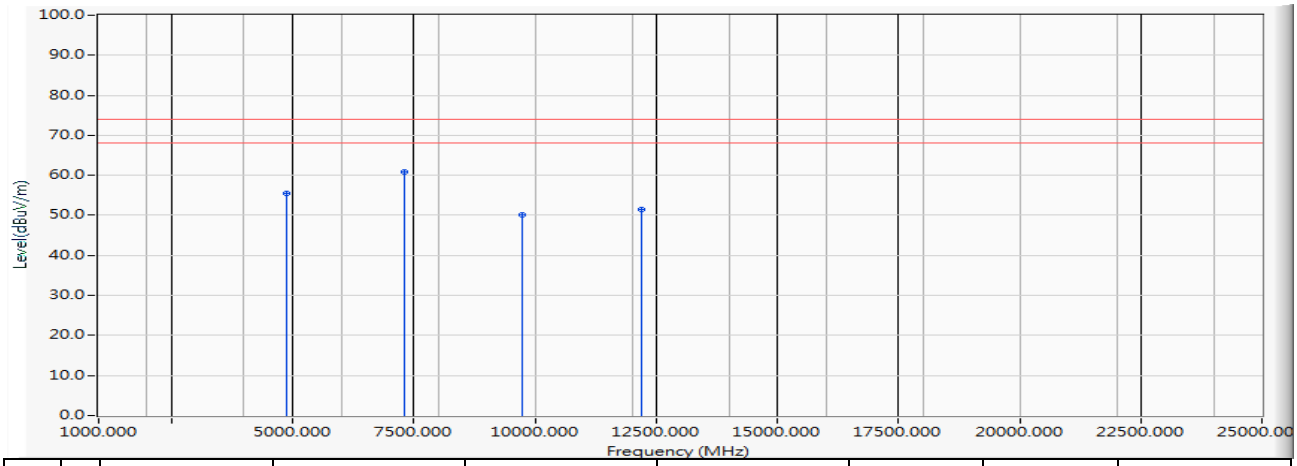


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.013	-0.140	39.391	39.250	-14.750	54.000	AVERAGE
2	*	7311.057	7.405	37.126	44.530	-9.470	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/13**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 2 802.11n(40M)_2437MHz**

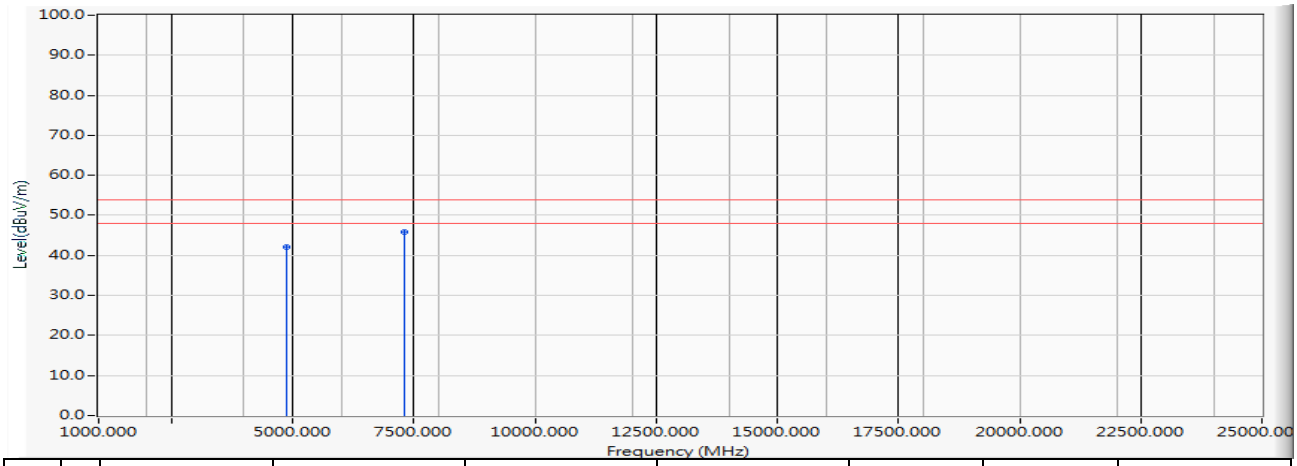


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.111	-0.140	55.590	55.450	-18.550	74.000	PEAK
2	*	7311.066	7.405	53.480	60.884	-13.116	74.000	PEAK
3		9748.534	12.853	37.240	50.093	-23.907	74.000	PEAK
4		12185.781	14.902	36.560	51.461	-22.539	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 : CB2-H	**Time : 2017/09/13**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 2 802.11n(40M)_2437MHz**

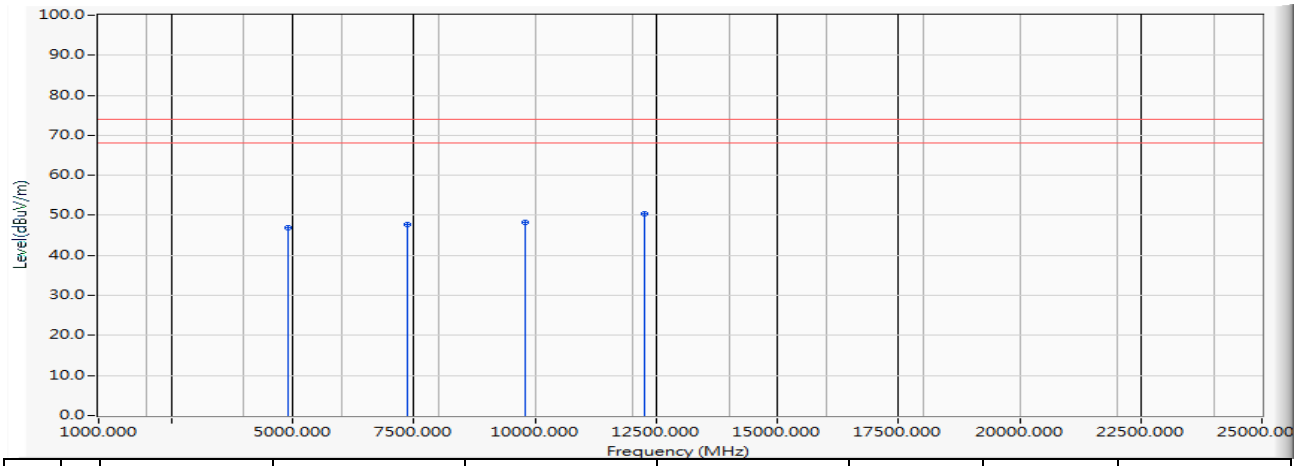


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.111	-0.140	42.133	41.993	-12.007	54.000	AVERAGE
2	*	7311.066	7.405	38.510	45.914	-8.086	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/13**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 2 802.11n(40M)_2452MHz**

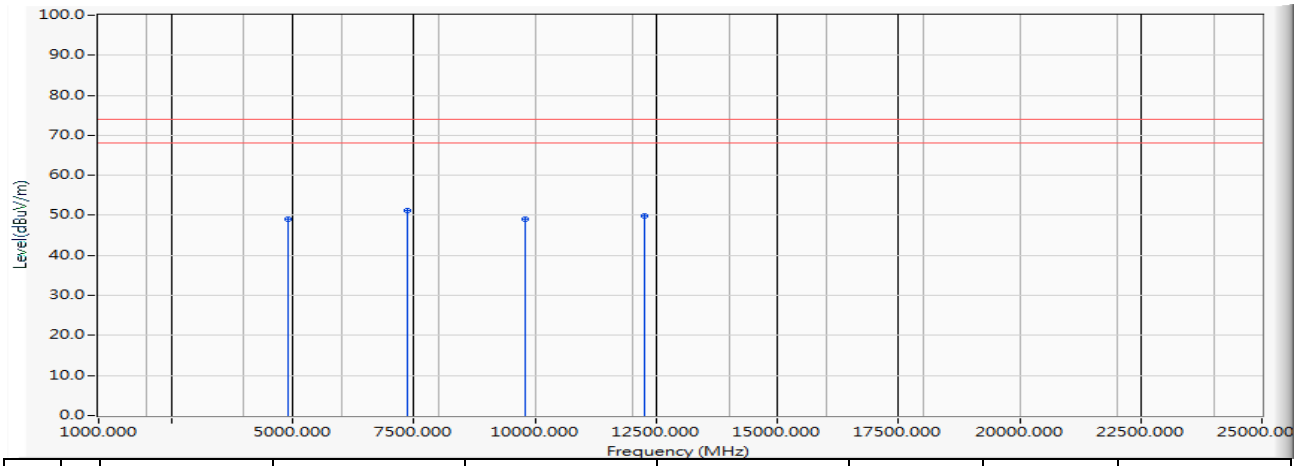


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4905.423	-0.097	47.090	46.993	-27.007	74.000	PEAK
2		7356.155	7.567	40.070	47.637	-26.363	74.000	PEAK
3		9807.844	12.933	35.430	48.363	-25.637	74.000	PEAK
4	*	12260.214	14.744	35.770	50.514	-23.486	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 : CB2-H	**Time : 2017/09/13**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 2 802.11n(40M)_2452MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4904.425	-0.098	49.240	49.142	-24.858	74.000	PEAK
2	*	7356.314	7.567	43.550	51.117	-22.883	74.000	PEAK
3		9808.134	12.934	36.060	48.993	-25.007	74.000	PEAK
4		12260.766	14.747	35.130	49.878	-24.122	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 equipment are used during the test:

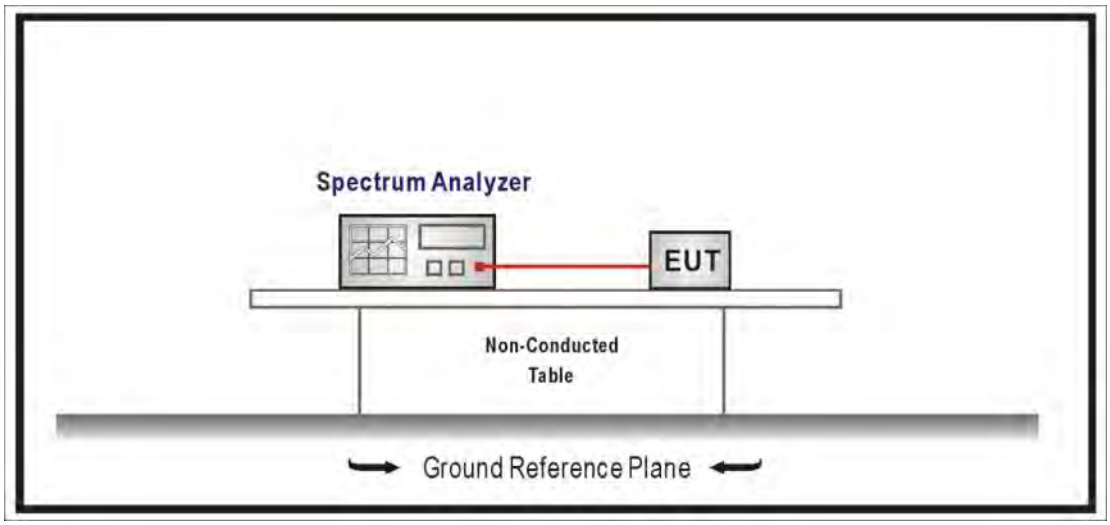
RF antenna conducted test

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal & Spectrum Analyzer	R&S	FSV40	101049	2017/01/23	2018/01/22
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2017/03/13	2018/03/12

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

5.2. Test Setup

RF Antenna Conducted Measurement:



5.3. Limits

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on an RF conducted or radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

5.4. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to DTS test procedure section 11.2 of KDB558074 D01V04 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: 2016

5.6. Uncertainty

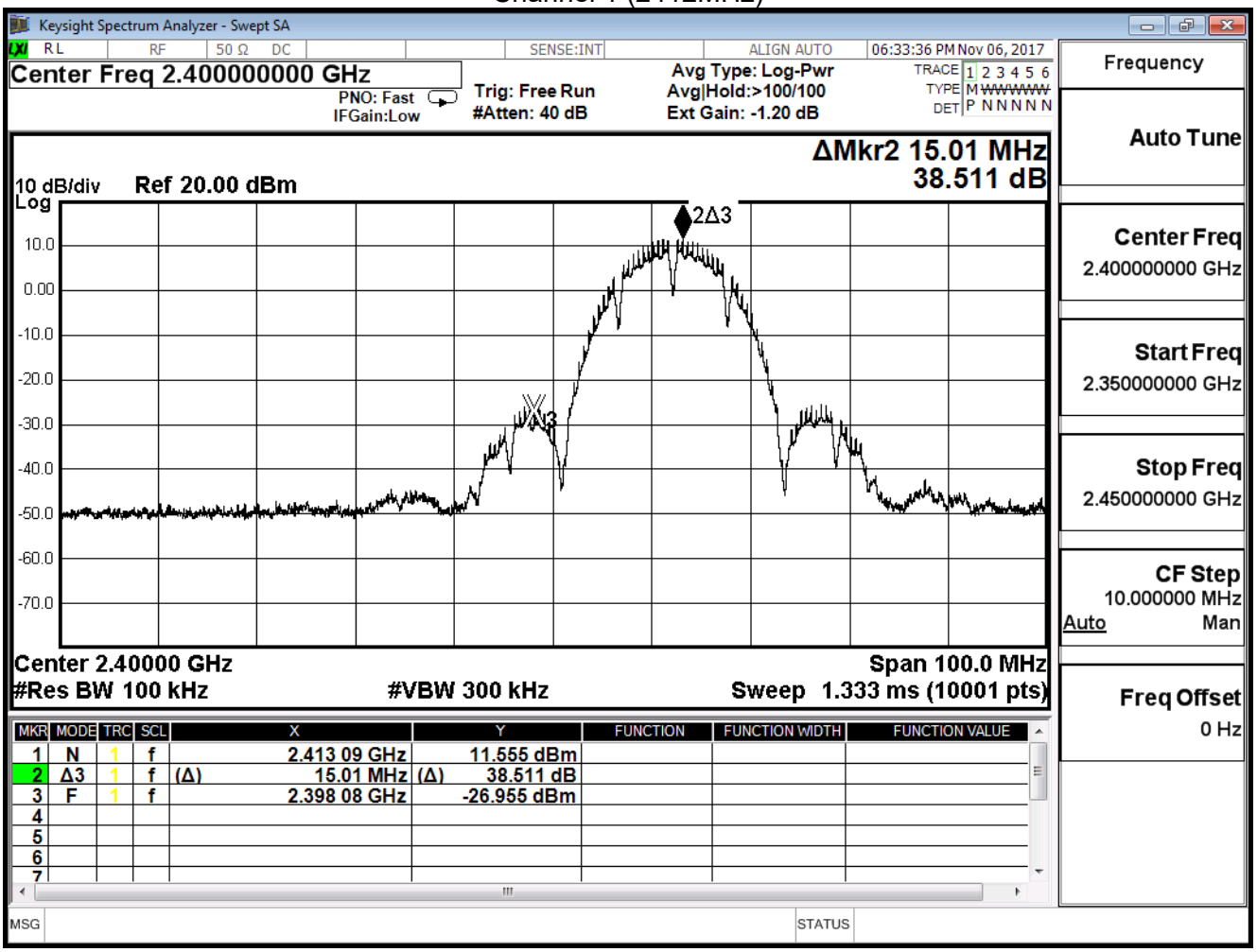
Conducted is defined as ± 1.27dB

5.7. Test Result

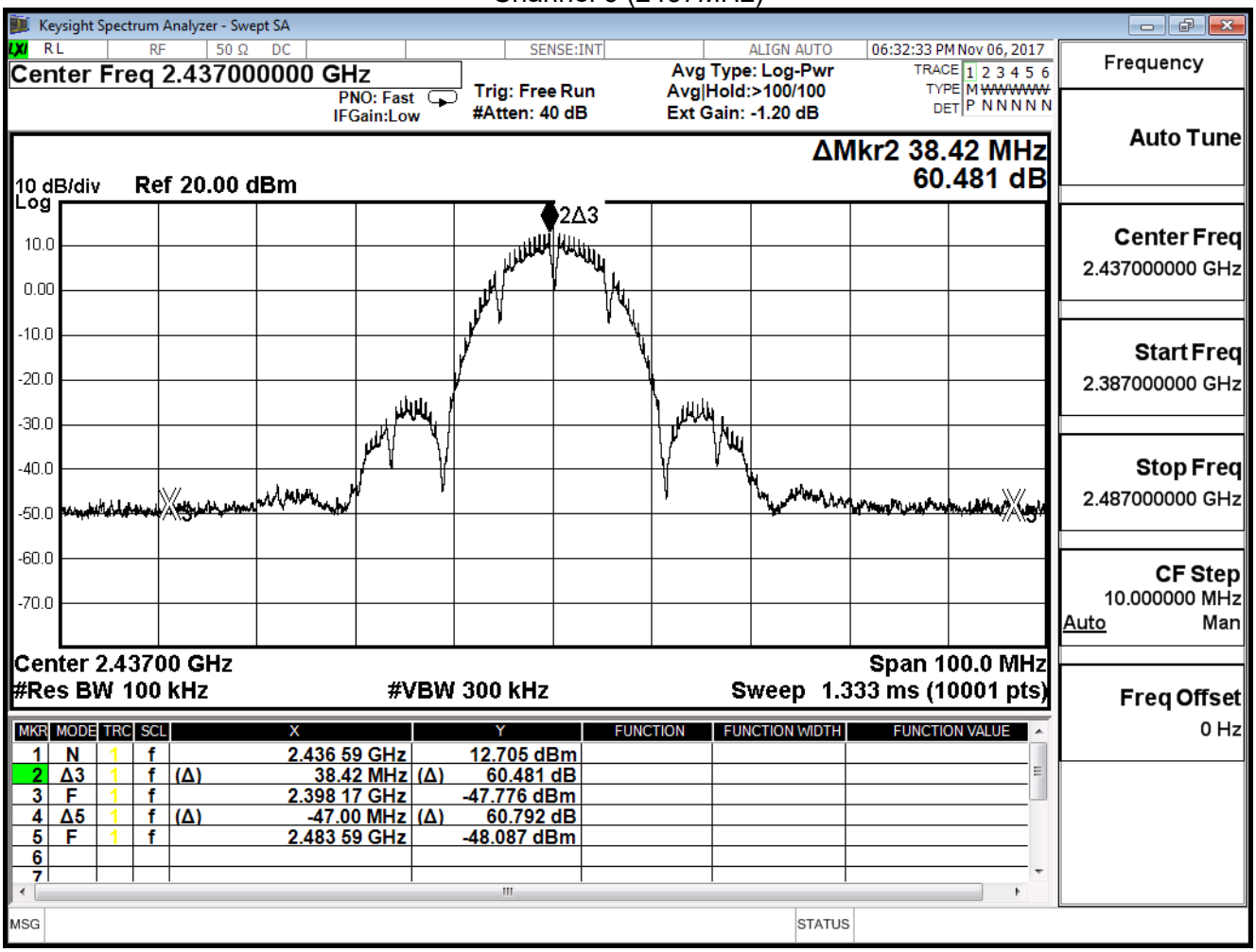
Product	Gigabit Broadband Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: TX SISO_ADP 1		
Date of Test	2017/11/06	Test Site	SR10-H

IEEE 802.11b (ANT 0)			
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)
1	2412	38.511	≧30
6	2437	60.481	≧30
11	2462	54.413	≧30

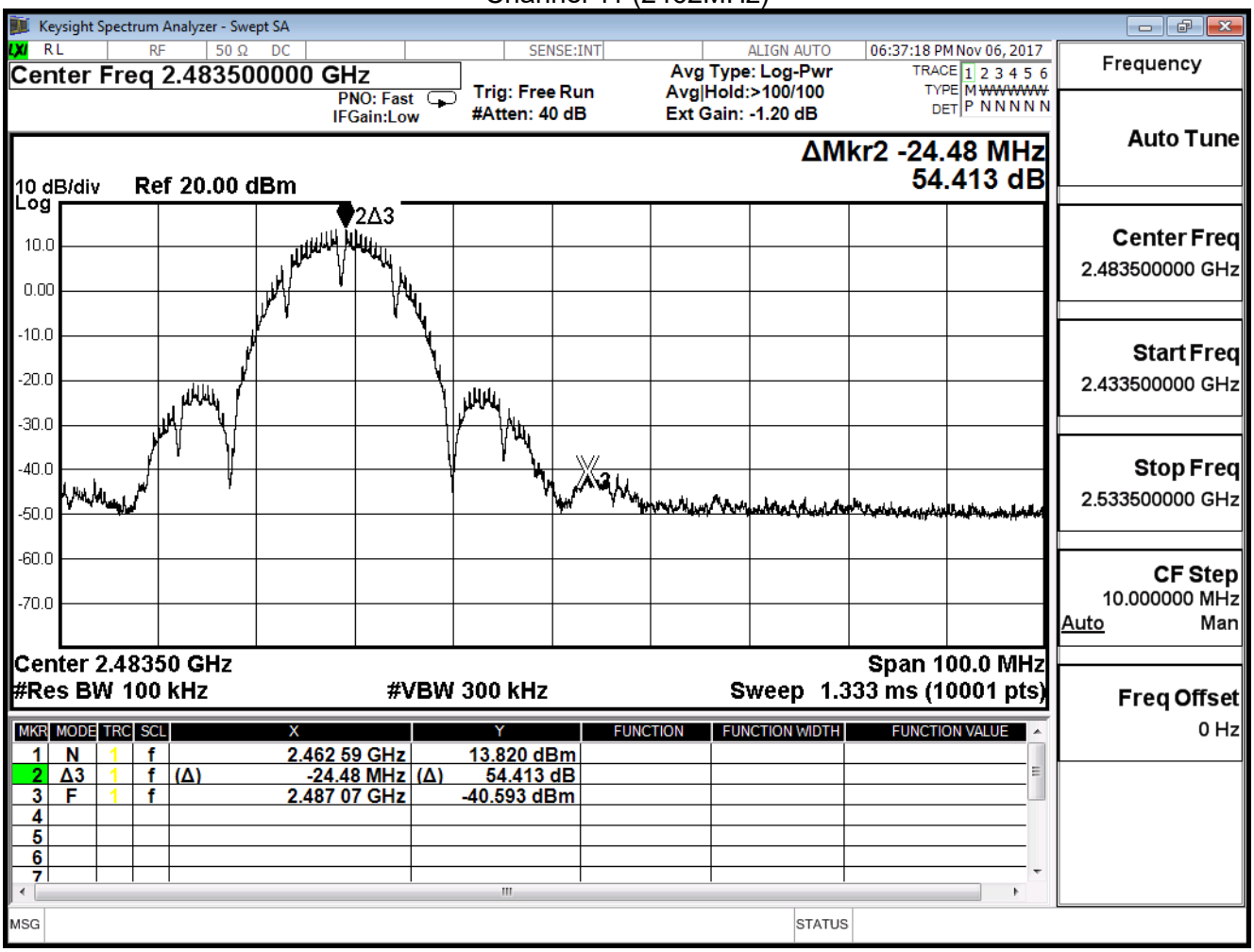
Channel 1 (2412MHz)



Channel 6 (2437MHz)



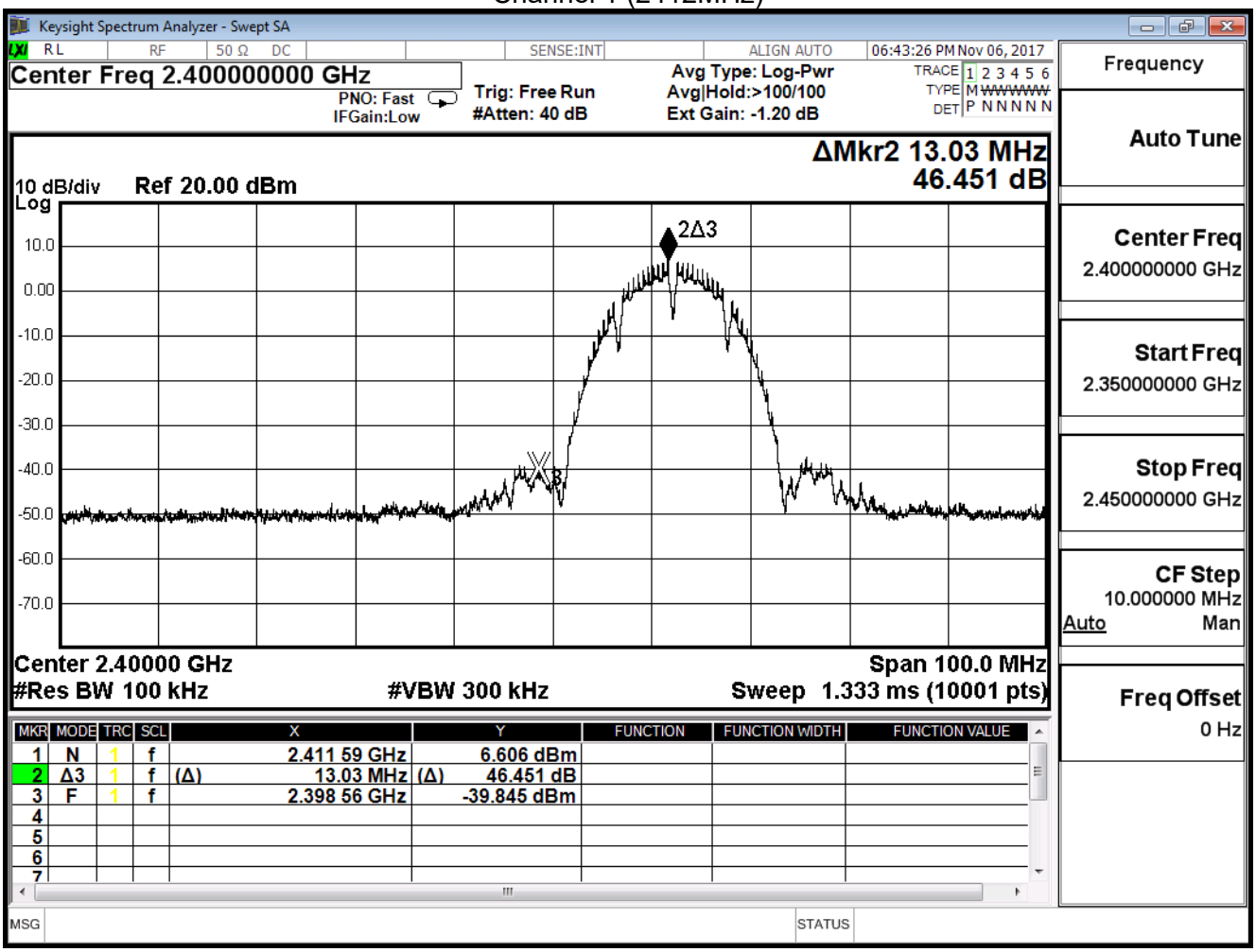
Channel 11 (2462MHz)



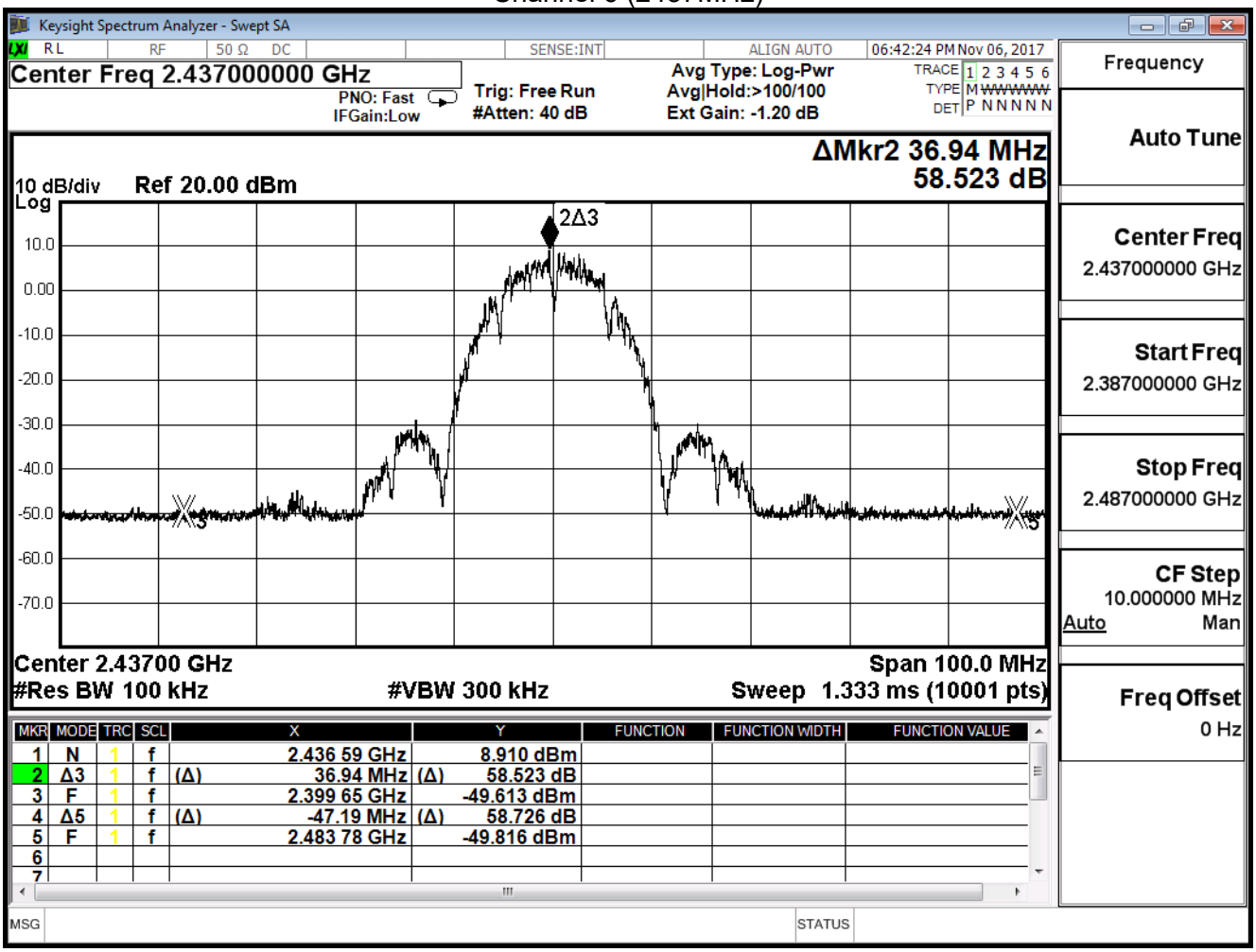
Product	Gigabit Broadband Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: TX SISO_ADP 1		
Date of Test	2017/11/06	Test Site	SR10-H

IEEE 802.11b (ANT 1)			
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)
1	2412	46.451	≧30
6	2437	58.523	≧30
11	2462	53.153	≧30

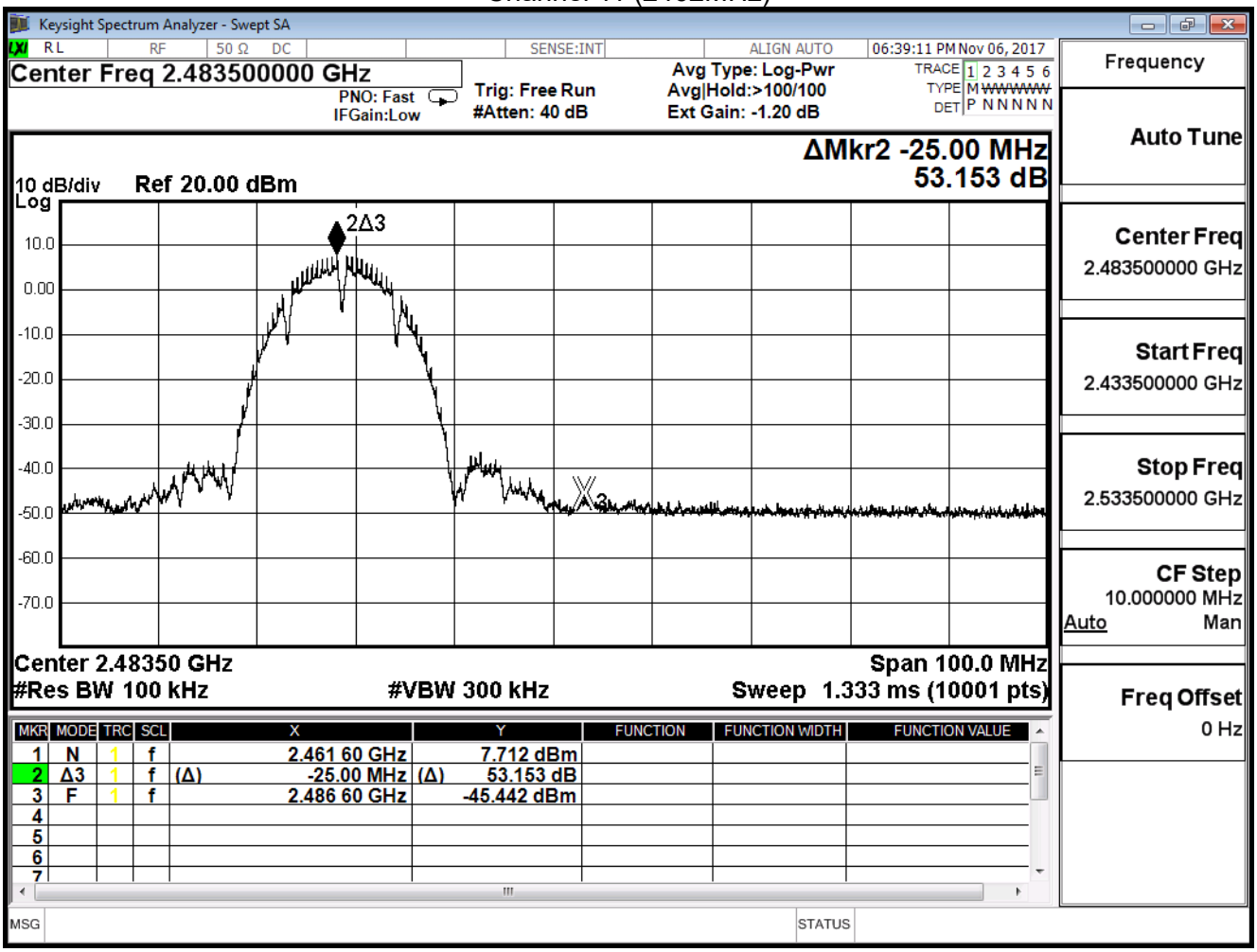
Channel 1 (2412MHz)



Channel 6 (2437MHz)



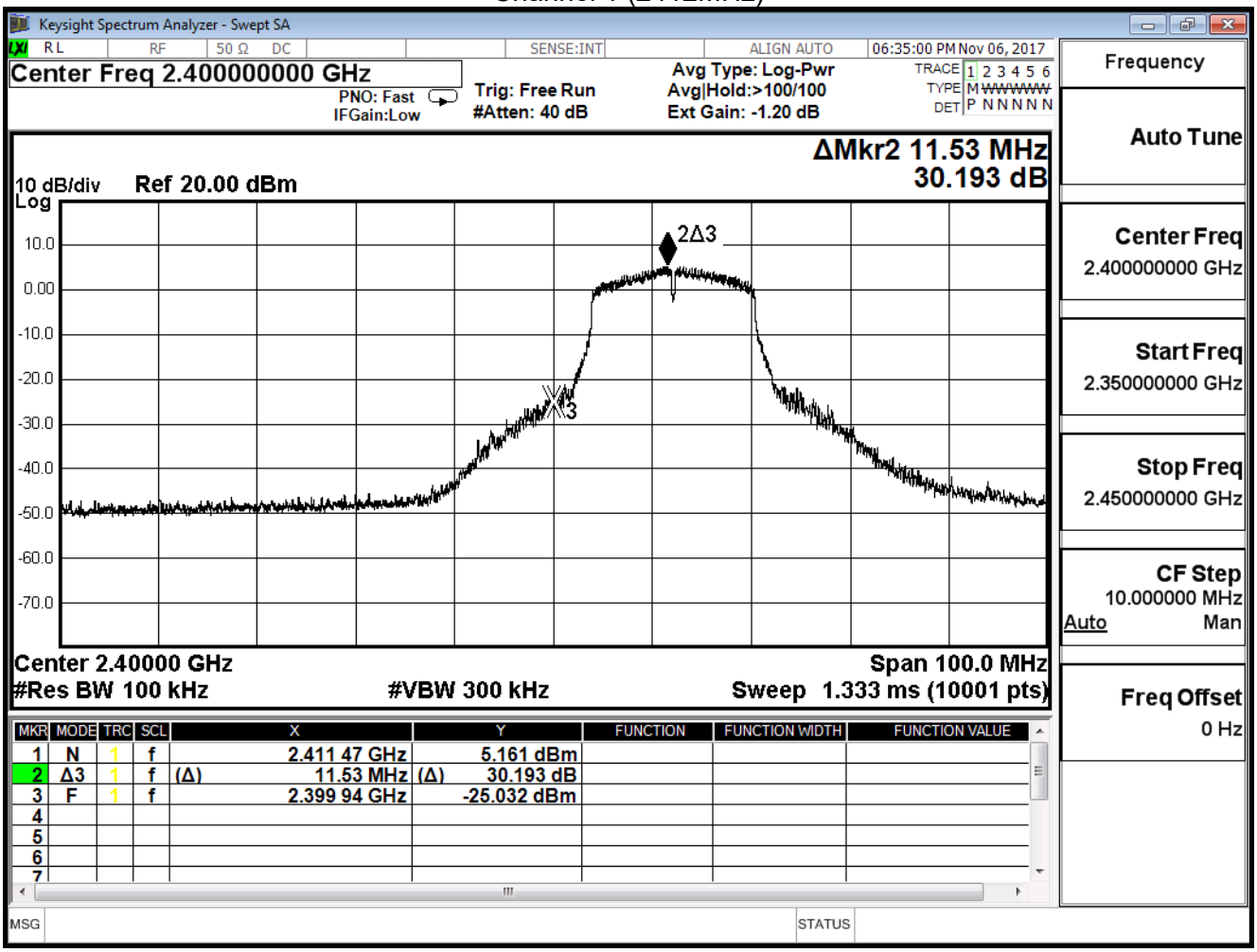
Channel 11 (2462MHz)



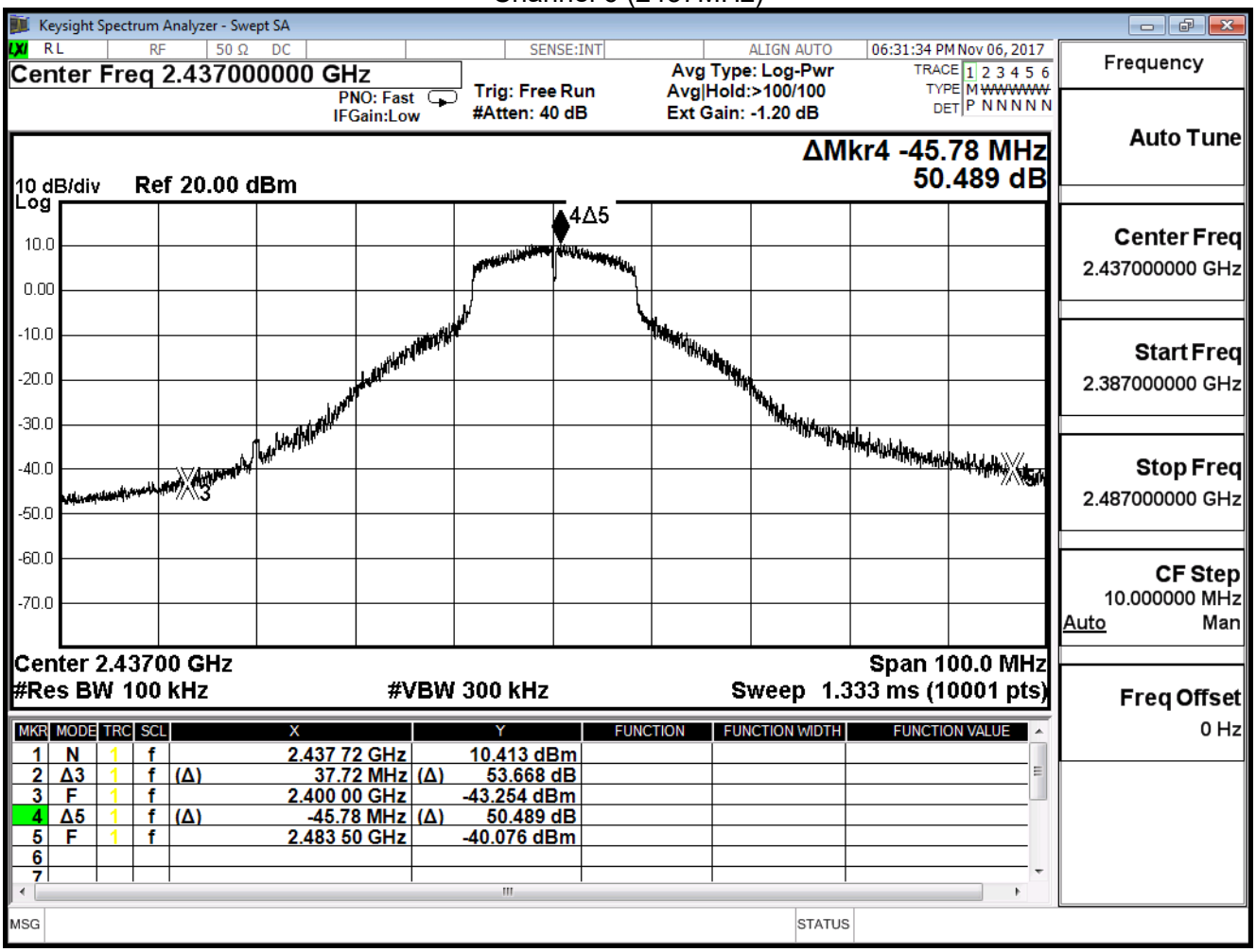
Product	Gigabit Broadband Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: TX SISO_ADP 1		
Date of Test	2017/11/06	Test Site	SR10-H

IEEE 802.11g (ANT 0)			
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)
1	2412	30.193	≧30
6	2437	50.489	≧30
11	2462	42.546	≧30

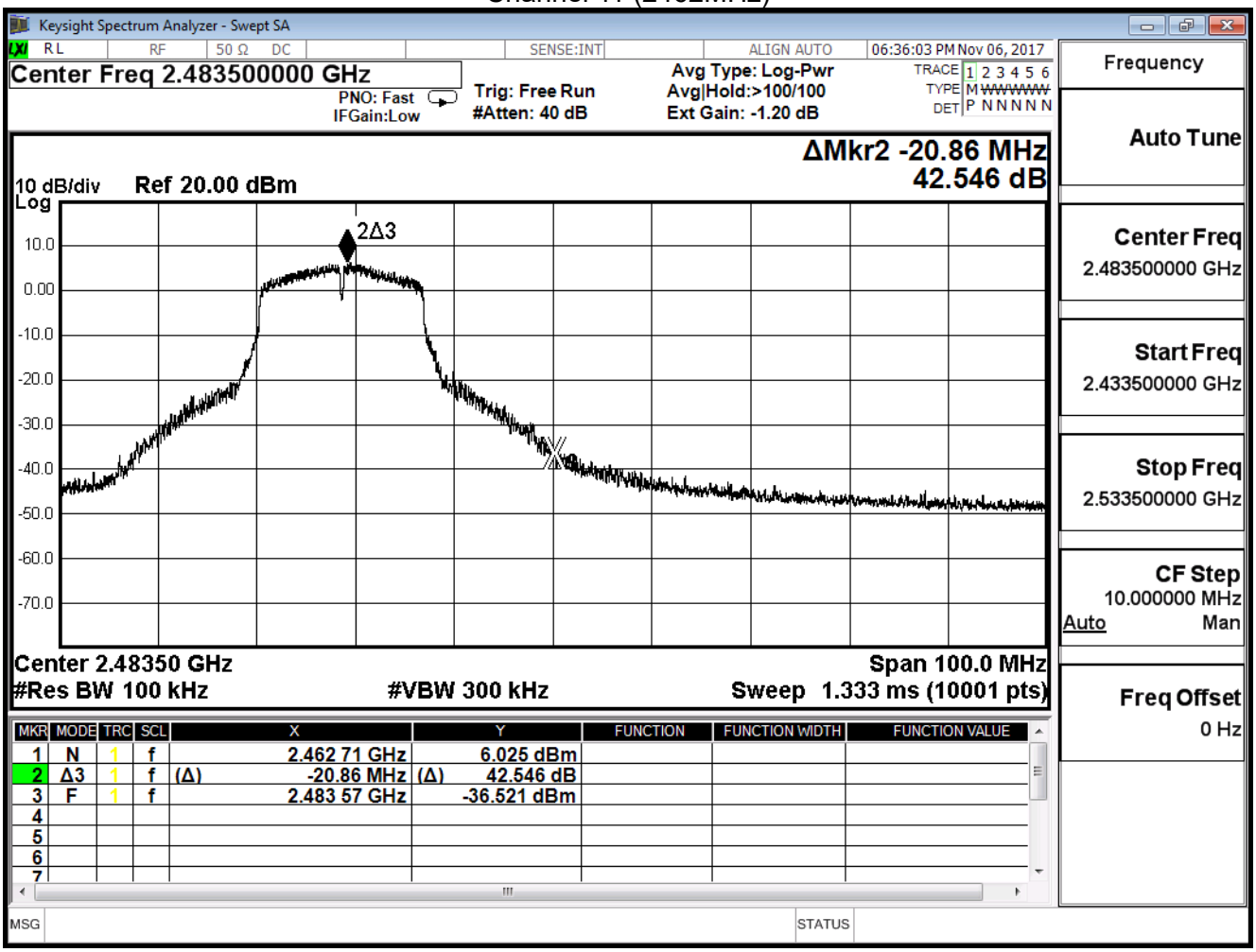
Channel 1 (2412MHz)



Channel 6 (2437MHz)



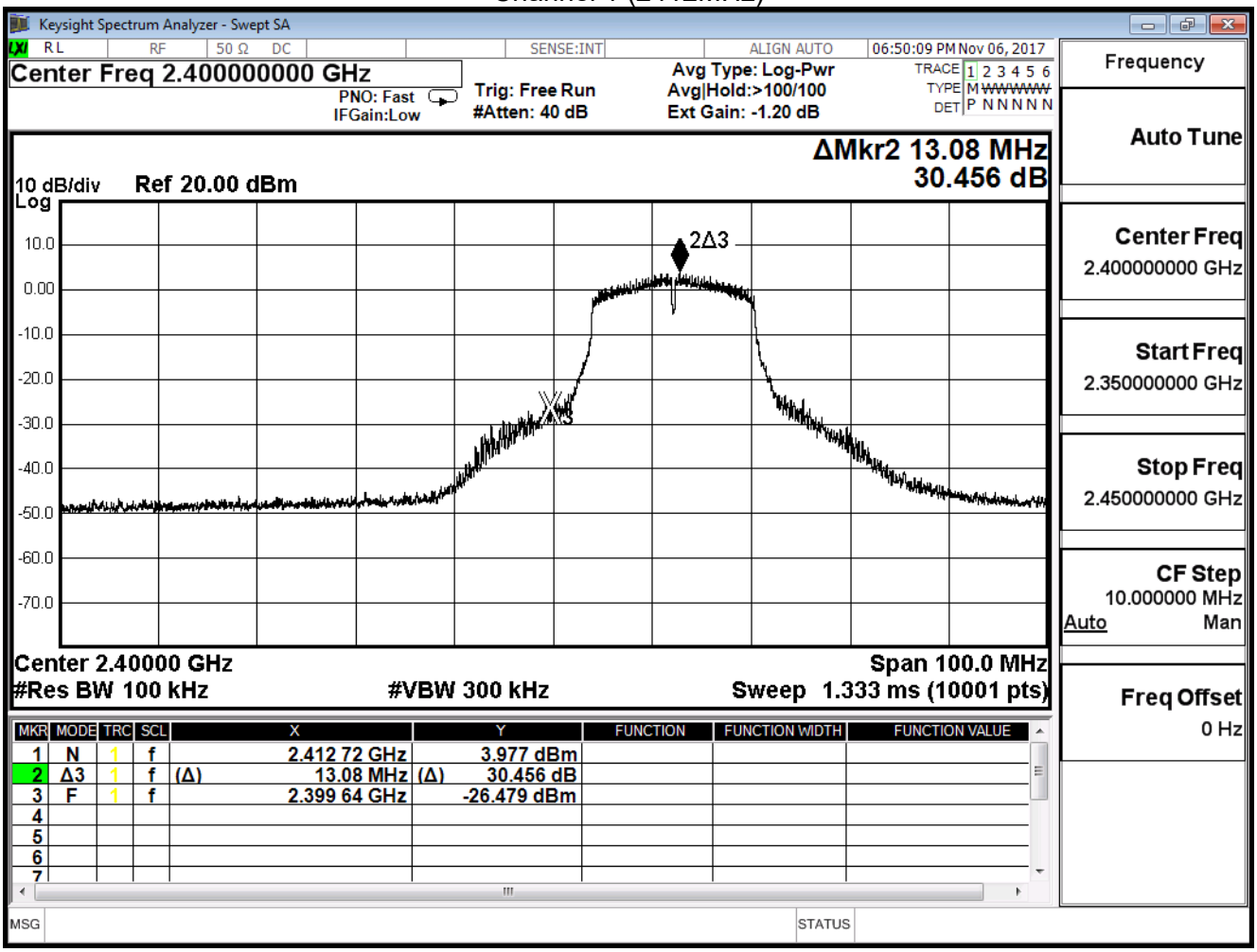
Channel 11 (2462MHz)



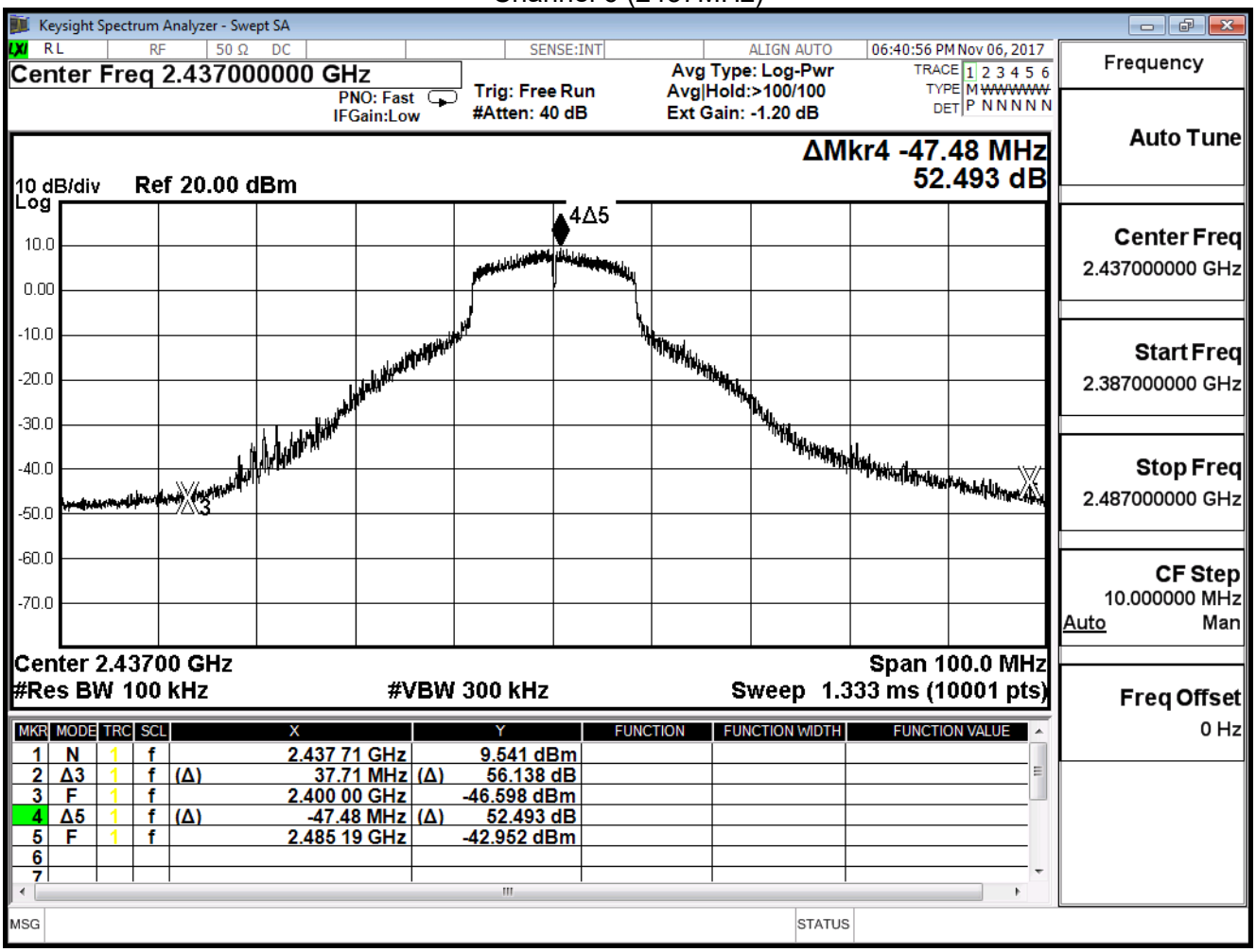
Product	Gigabit Broadband Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: TX SISO_ADP 1		
Date of Test	2017/11/06	Test Site	SR10-H

IEEE 802.11g (ANT 1)			
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)
1	2412	30.456	≧30
6	2437	52.493	≧30
11	2462	43.482	≧30

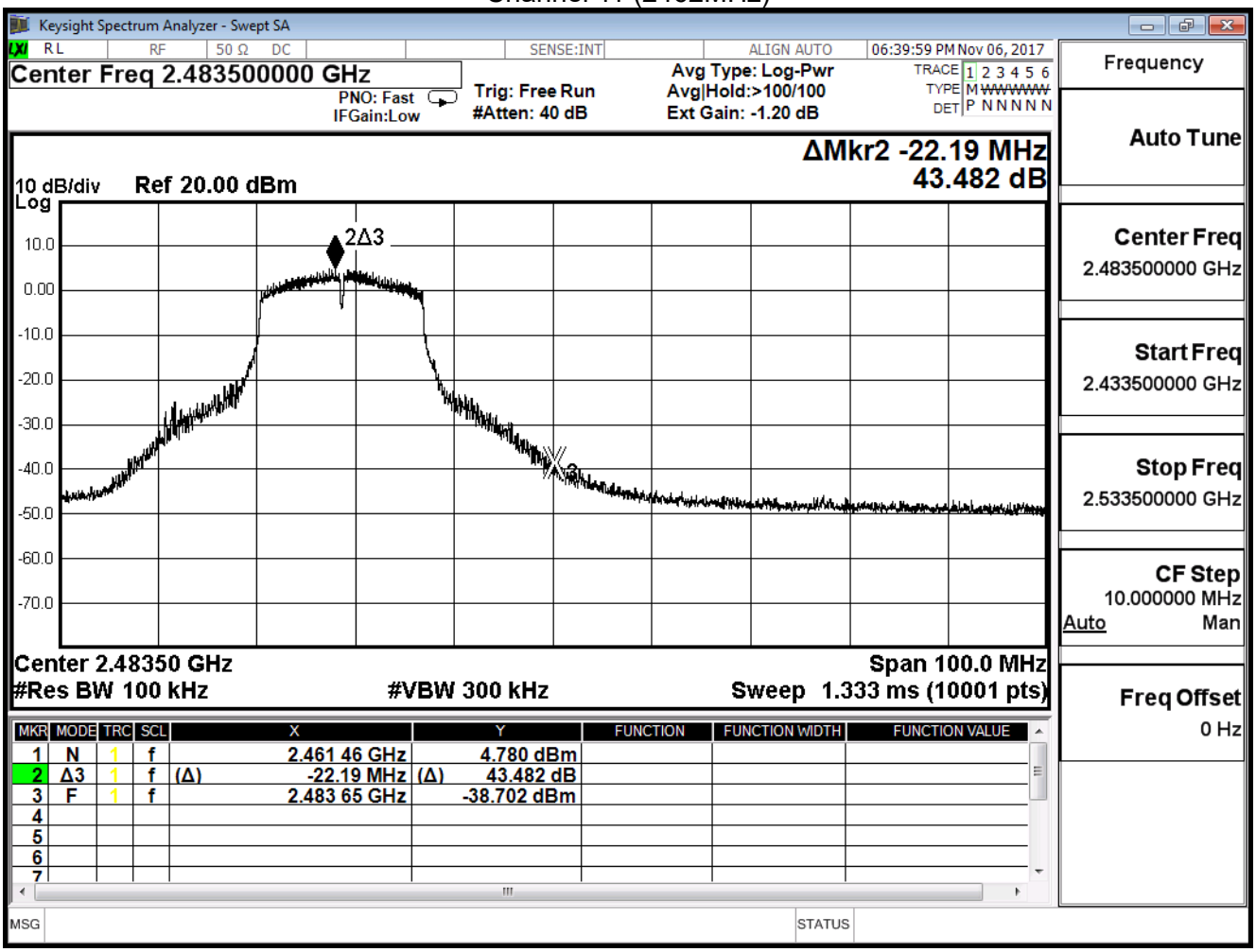
Channel 1 (2412MHz)



Channel 6 (2437MHz)



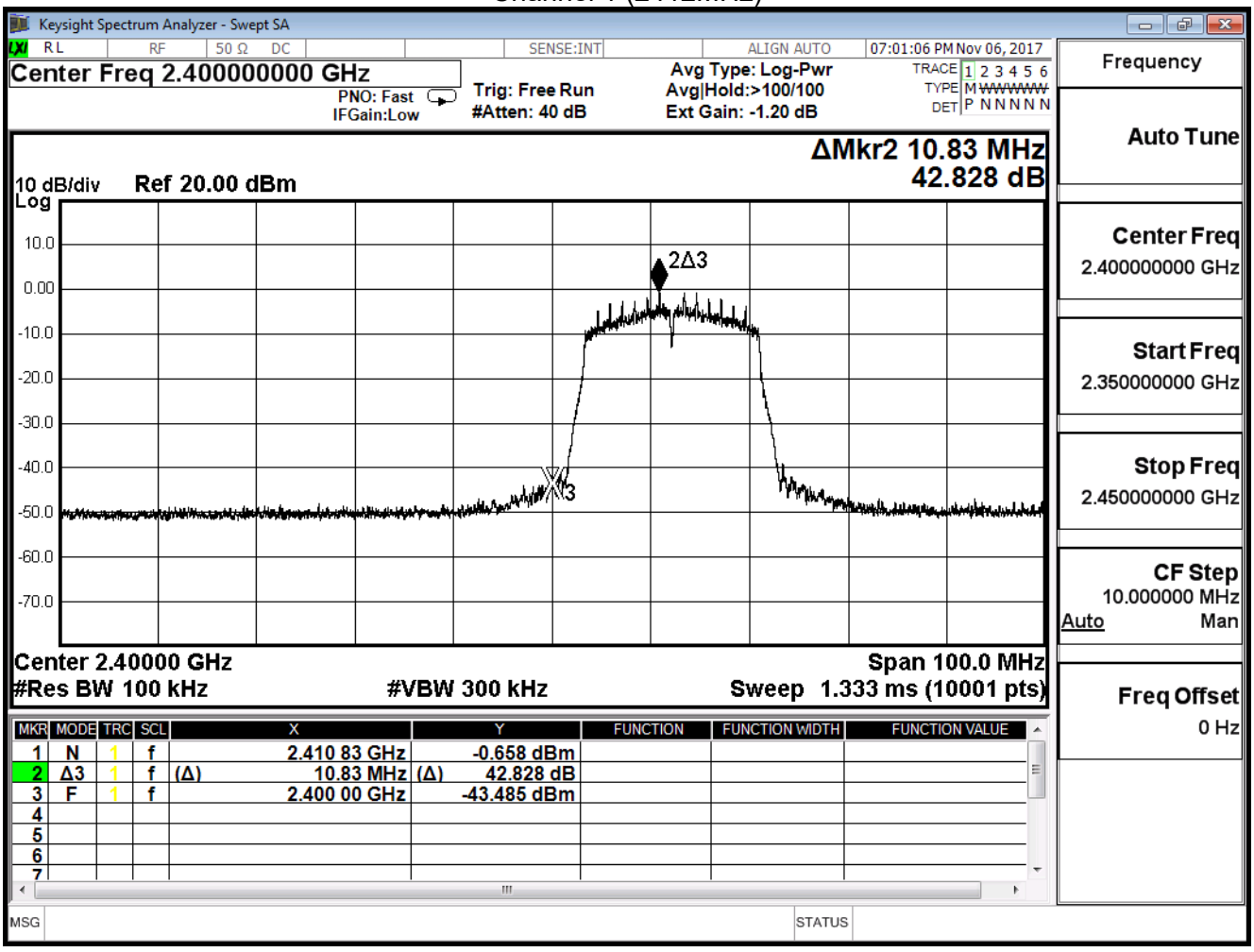
Channel 11 (2462MHz)



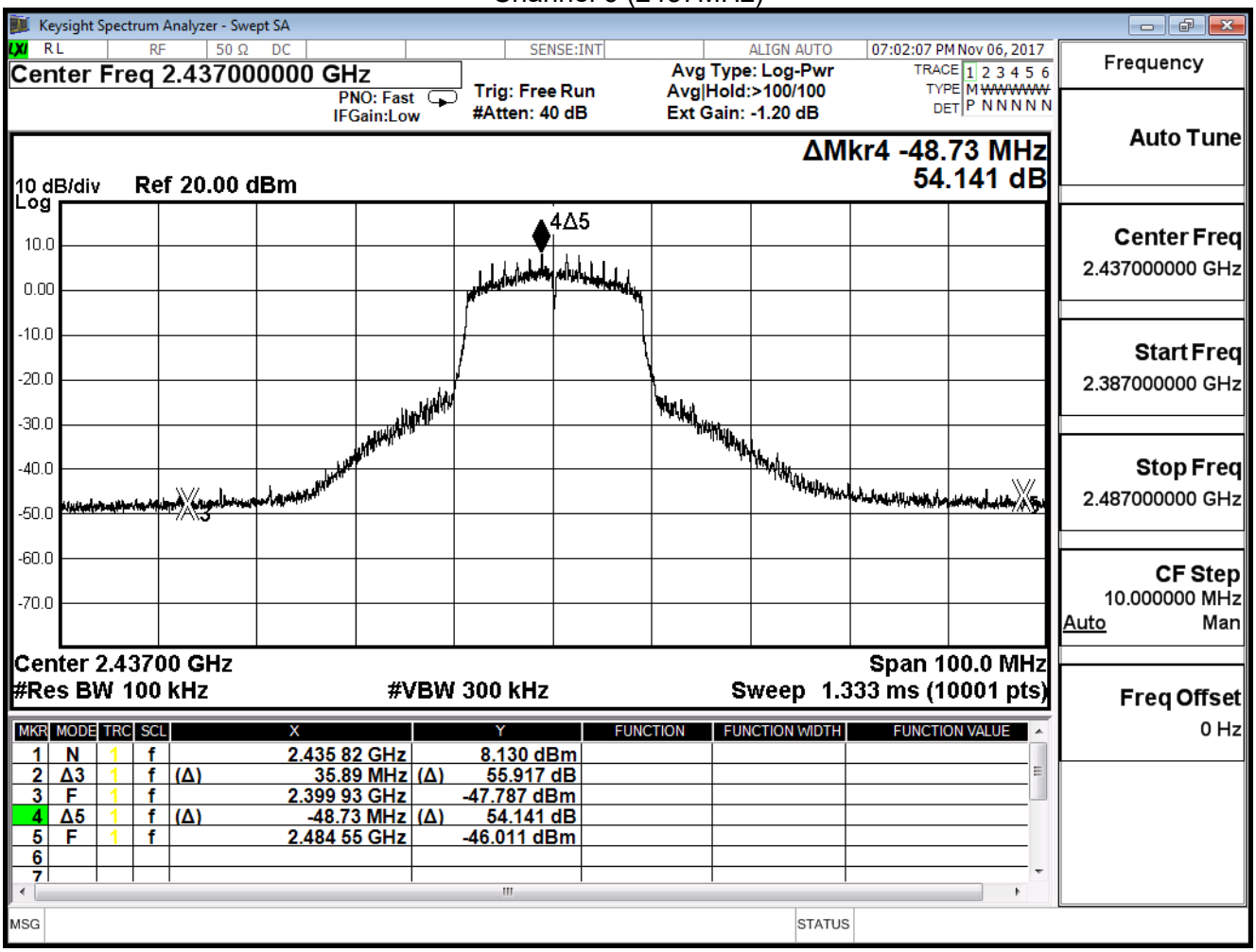
Product	Gigabit Broadband Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 2: TX MIMO_ADP 1		
Date of Test	2017/11/06	Test Site	SR10-H

IEEE 802.11n(20MHz) (ANT 0)			
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)
1	2412	42.828	≧30
6	2437	54.141	≧30
11	2462	49.183	≧30

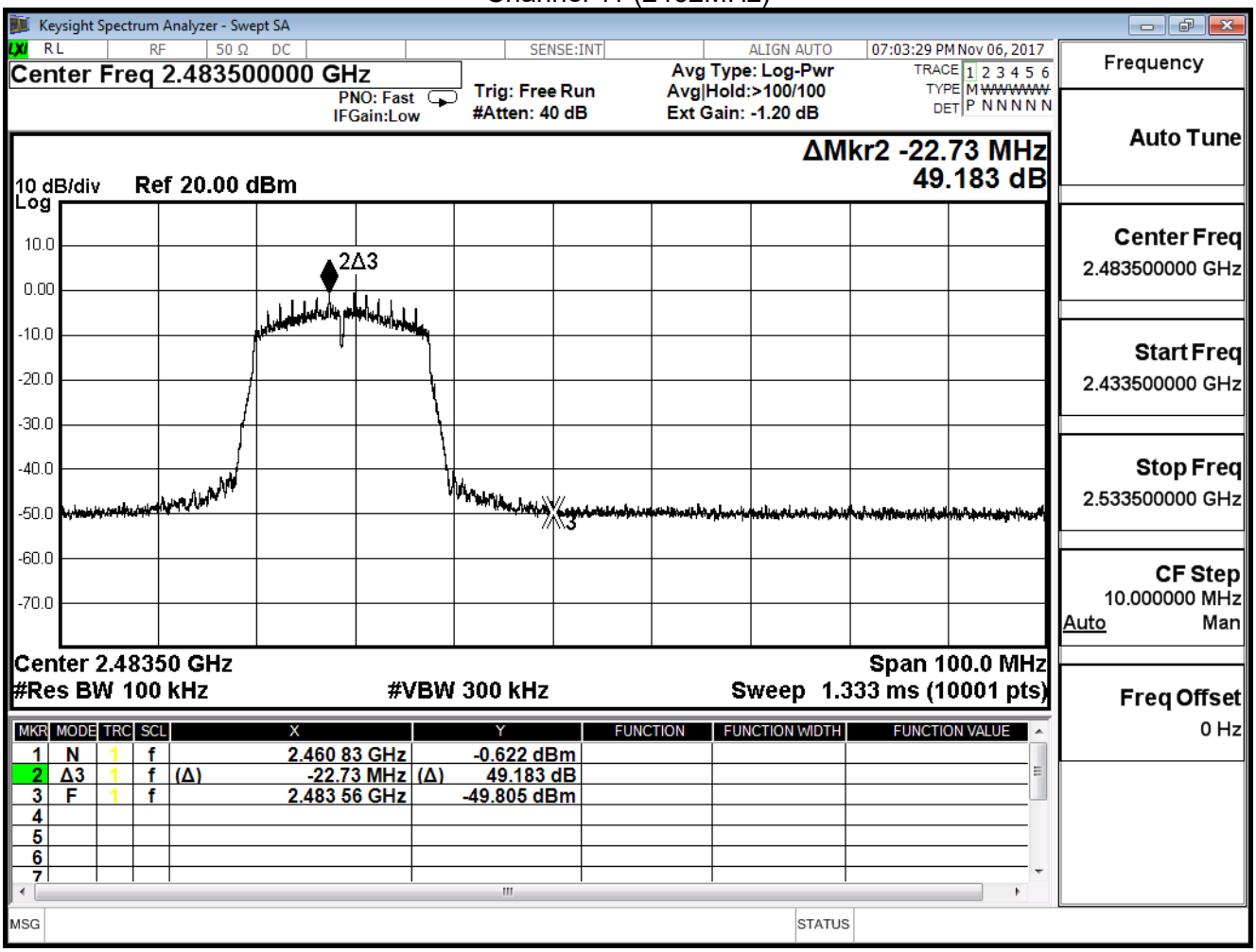
Channel 1 (2412MHz)



Channel 6 (2437MHz)



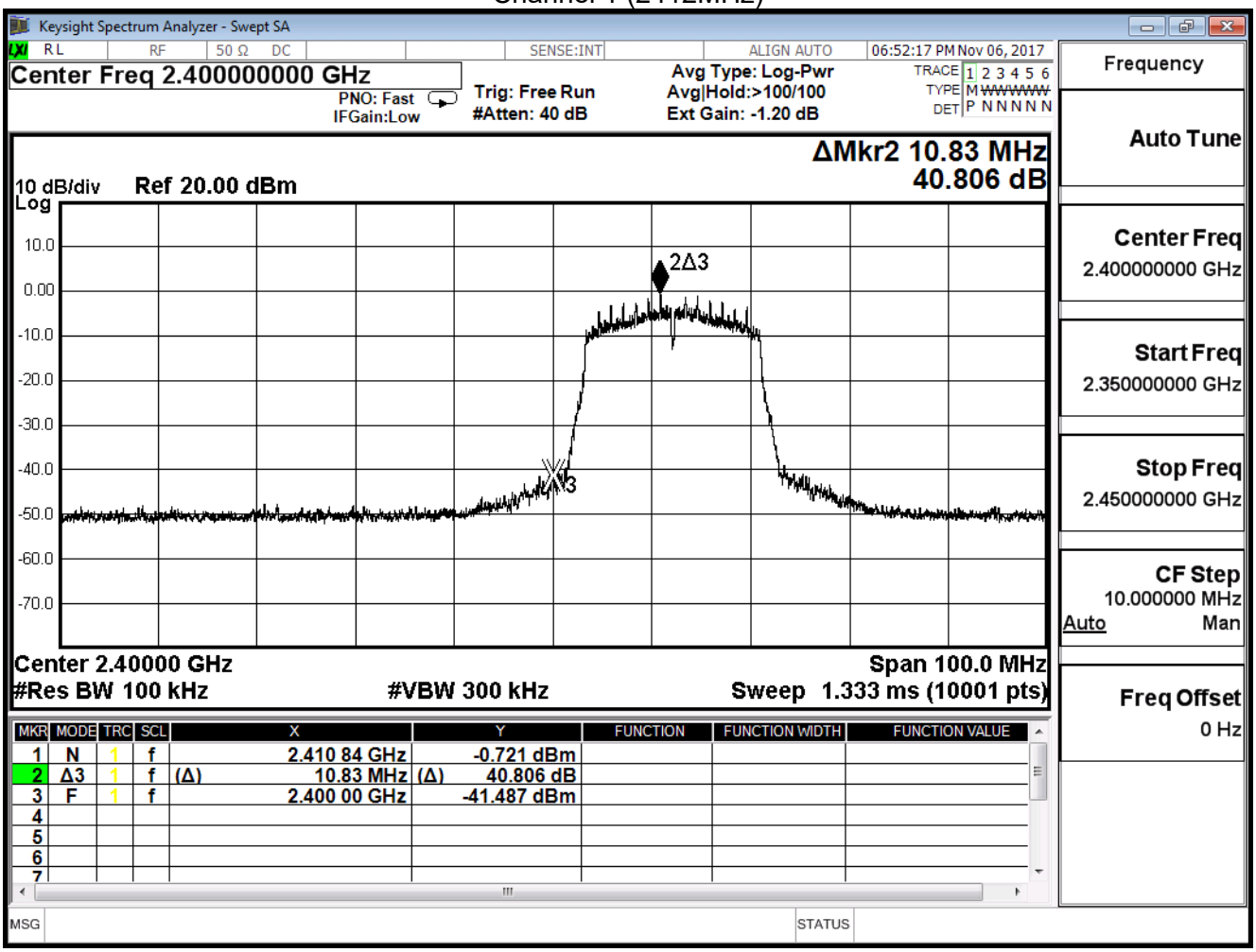
Channel 11 (2462MHz)



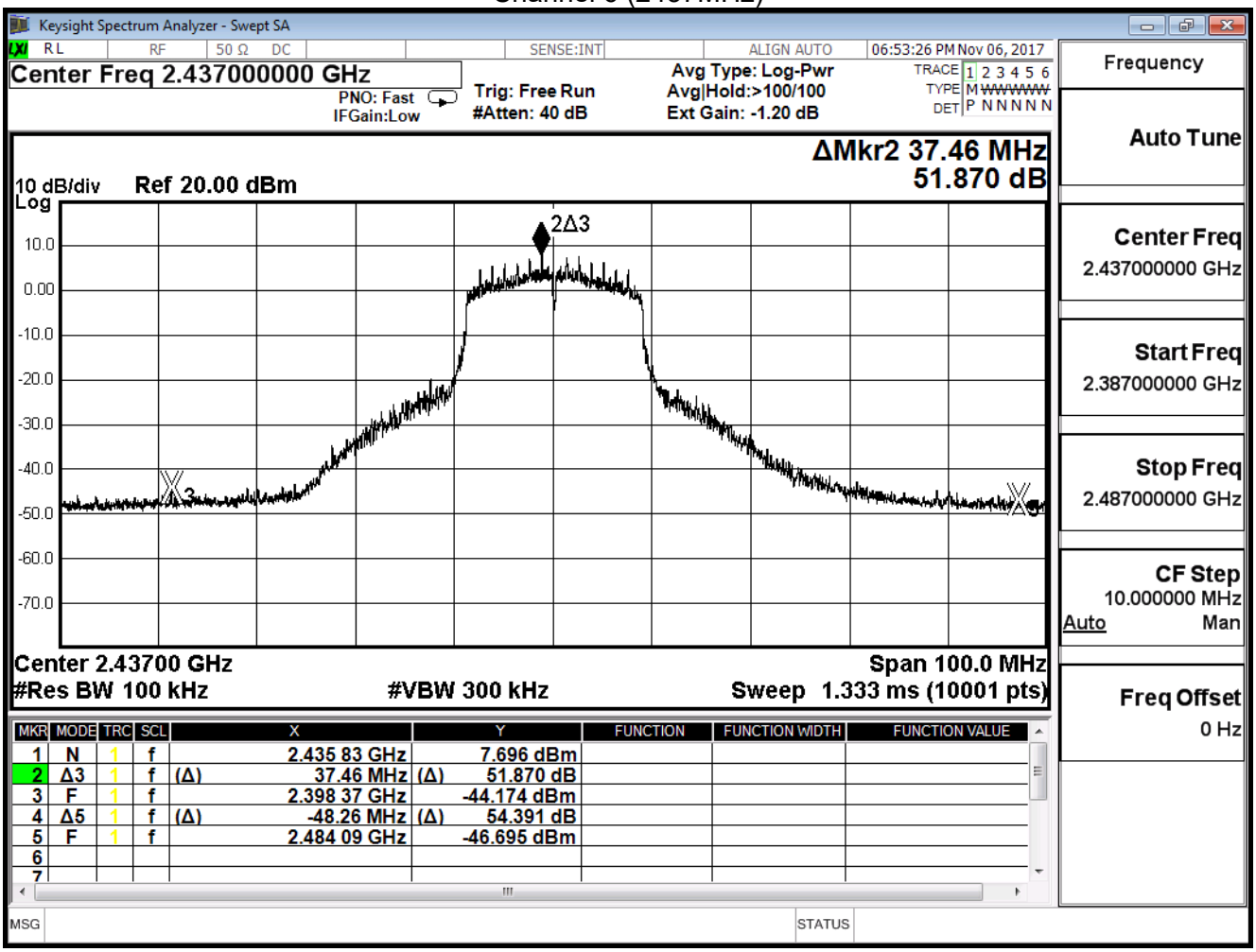
Product	Gigabit Broadband Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 2: TX MIMO_ADP 1		
Date of Test	2017/11/06	Test Site	SR10-H

IEEE 802.11n(20MHz) (ANT 1)			
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)
1	2412	40.806	≧30
6	2437	51.870	≧30
11	2462	45.738	≧30

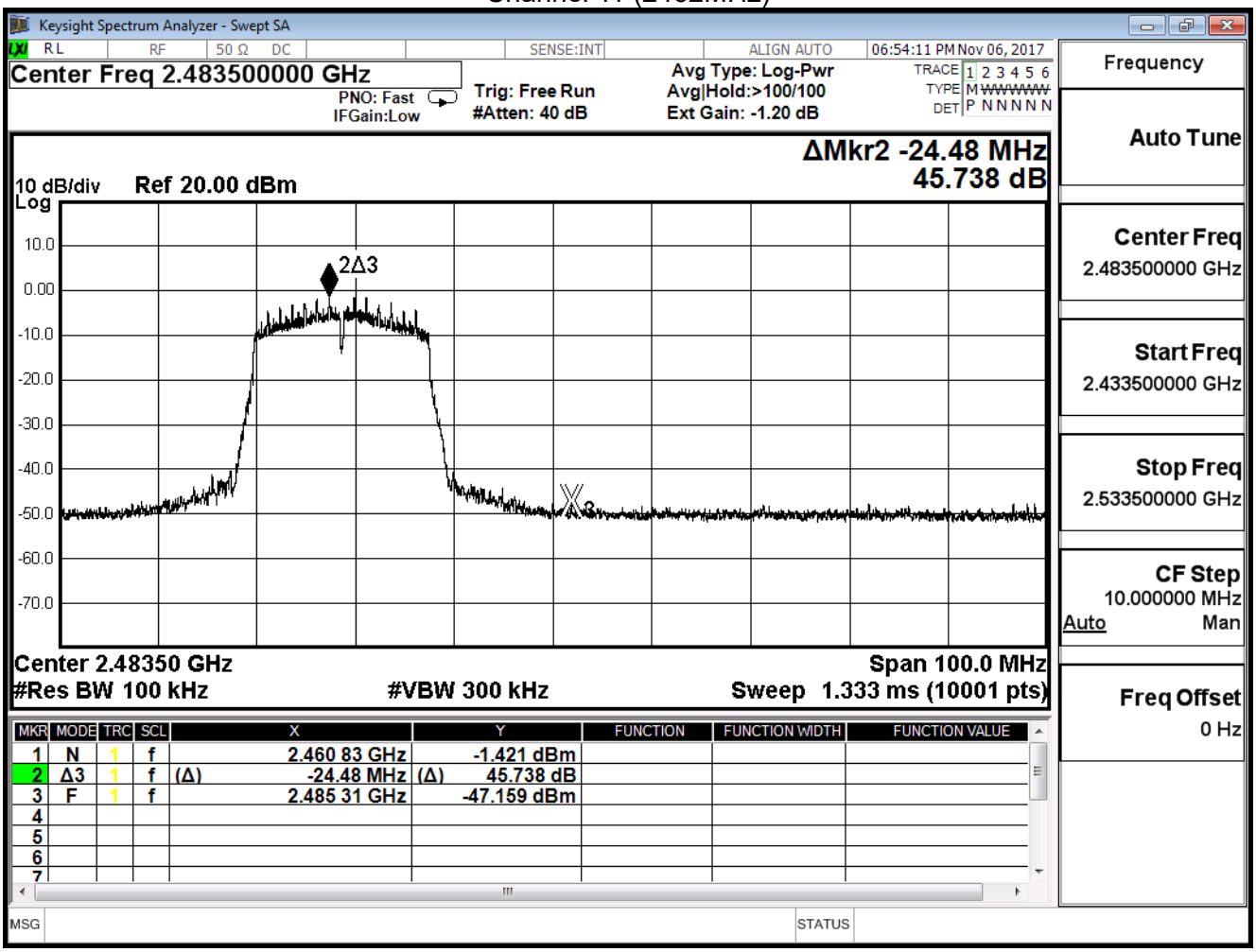
Channel 1 (2412MHz)



Channel 6 (2437MHz)



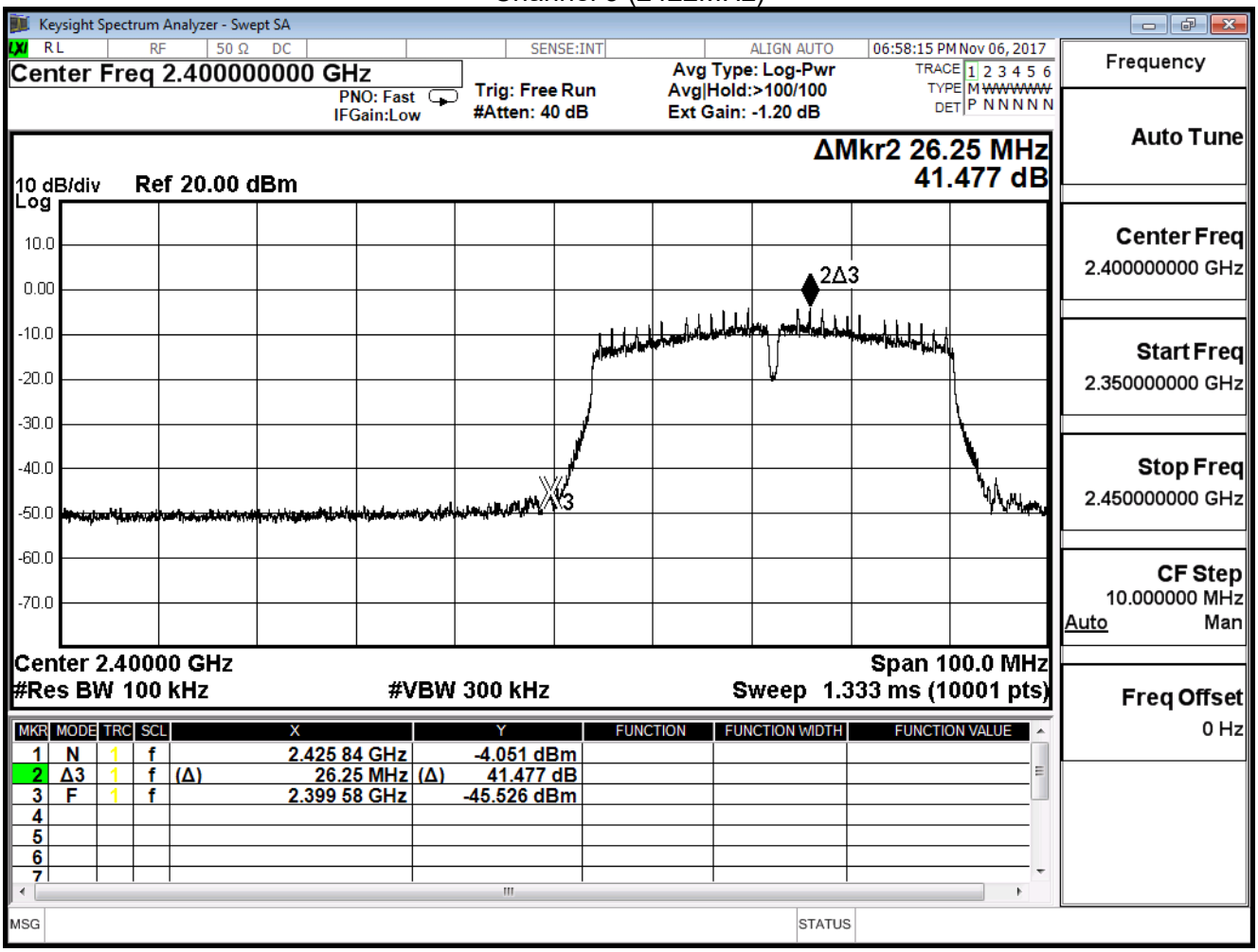
Channel 11 (2462MHz)



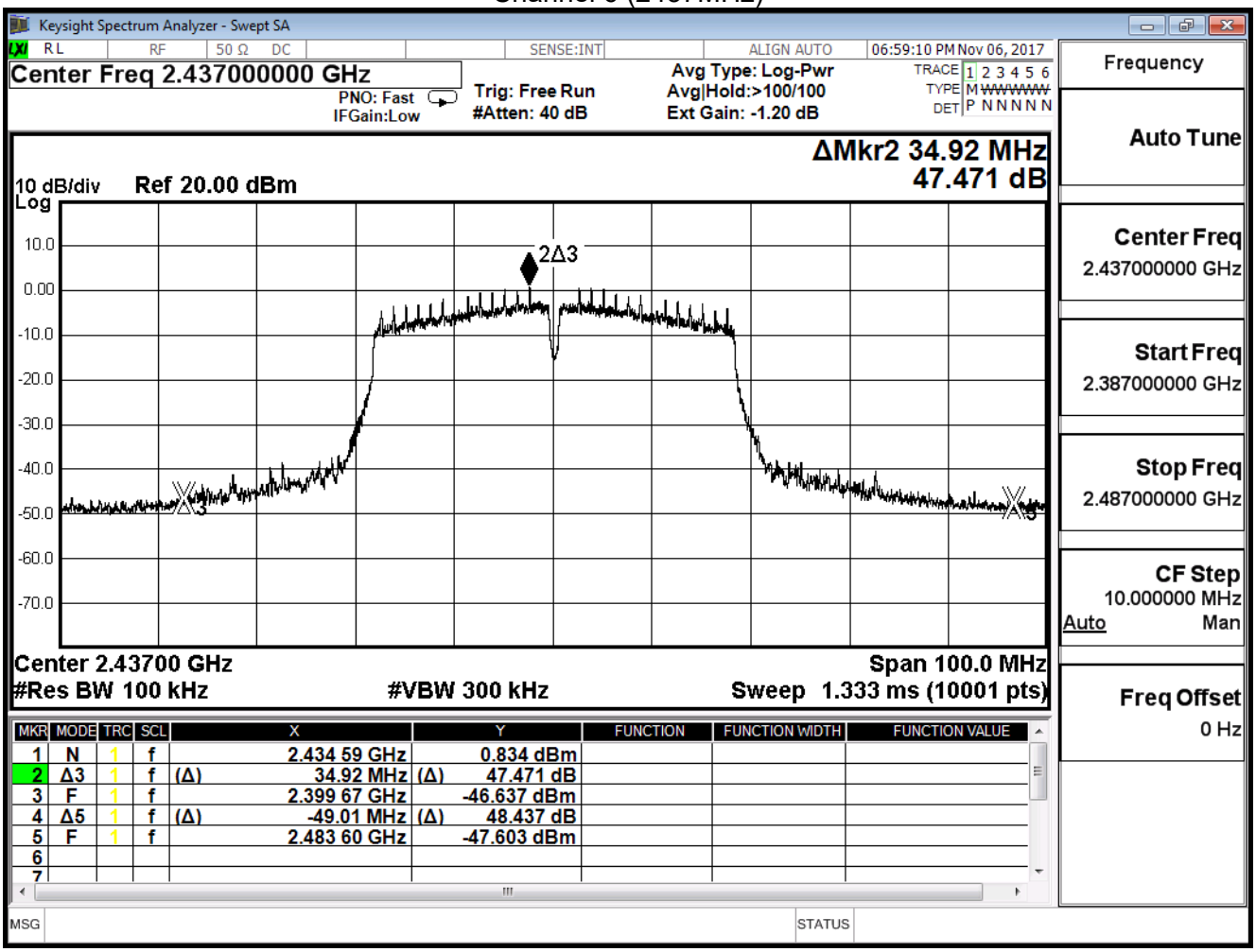
Product	Gigabit Broadband Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 2: TX MIMO_ADP 1		
Date of Test	2017/11/06	Test Site	SR10-H

IEEE 802.11n(40MHz) (ANT 0)			
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)
3	2422	41.477	≧30
6	2437	47.471	≧30
9	2452	44.539	≧30

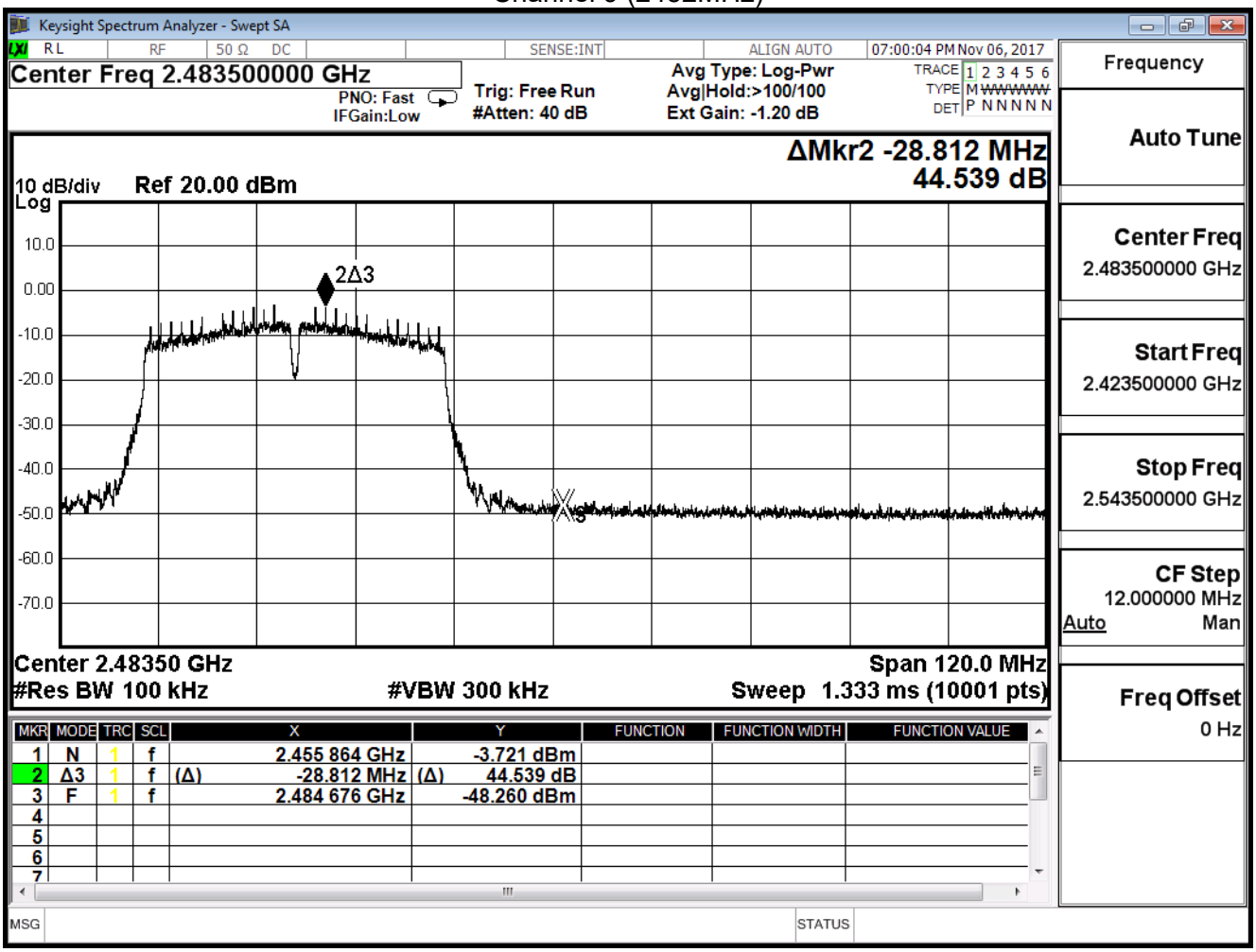
Channel 3 (2422MHz)



Channel 6 (2437MHz)



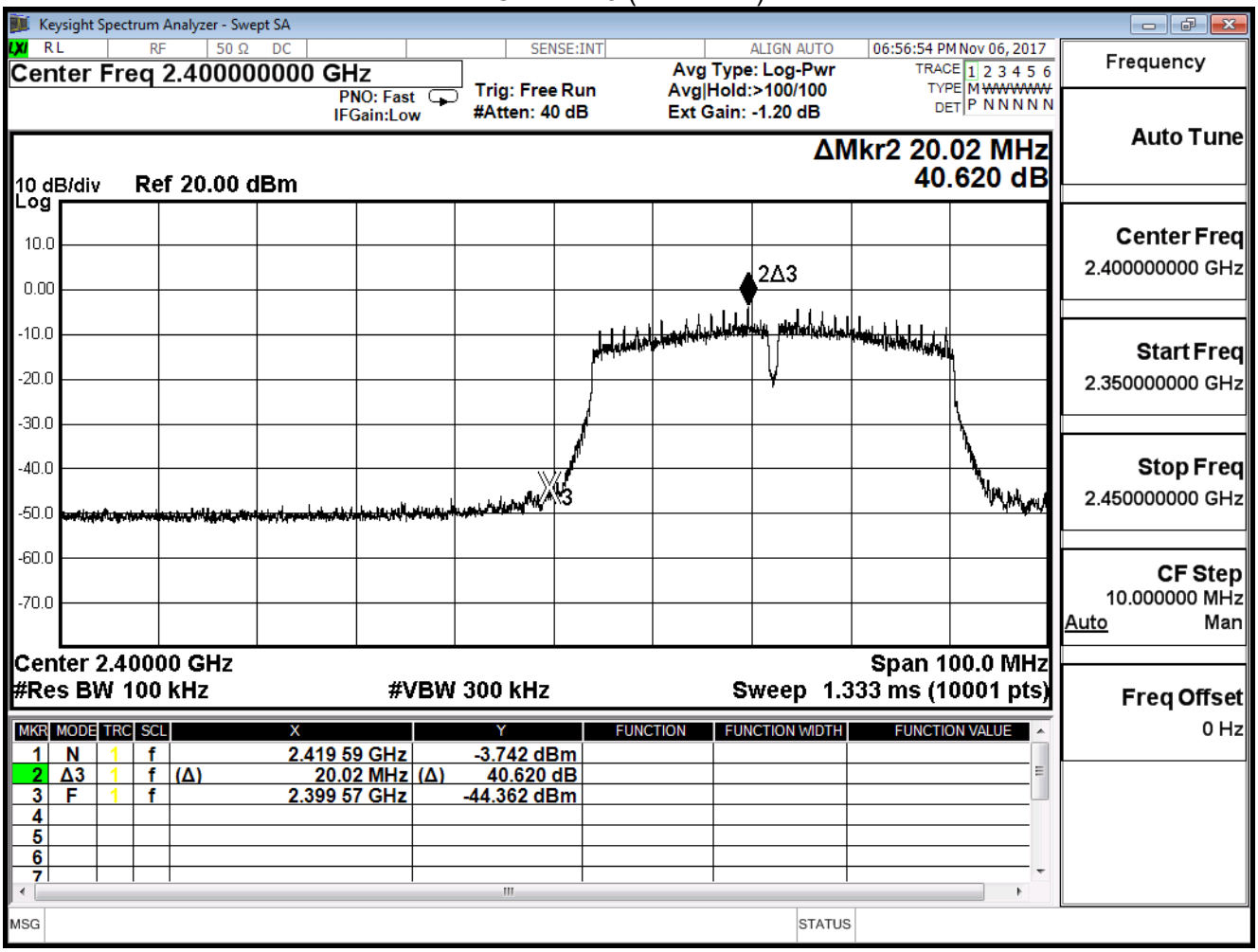
Channel 9 (2452MHz)



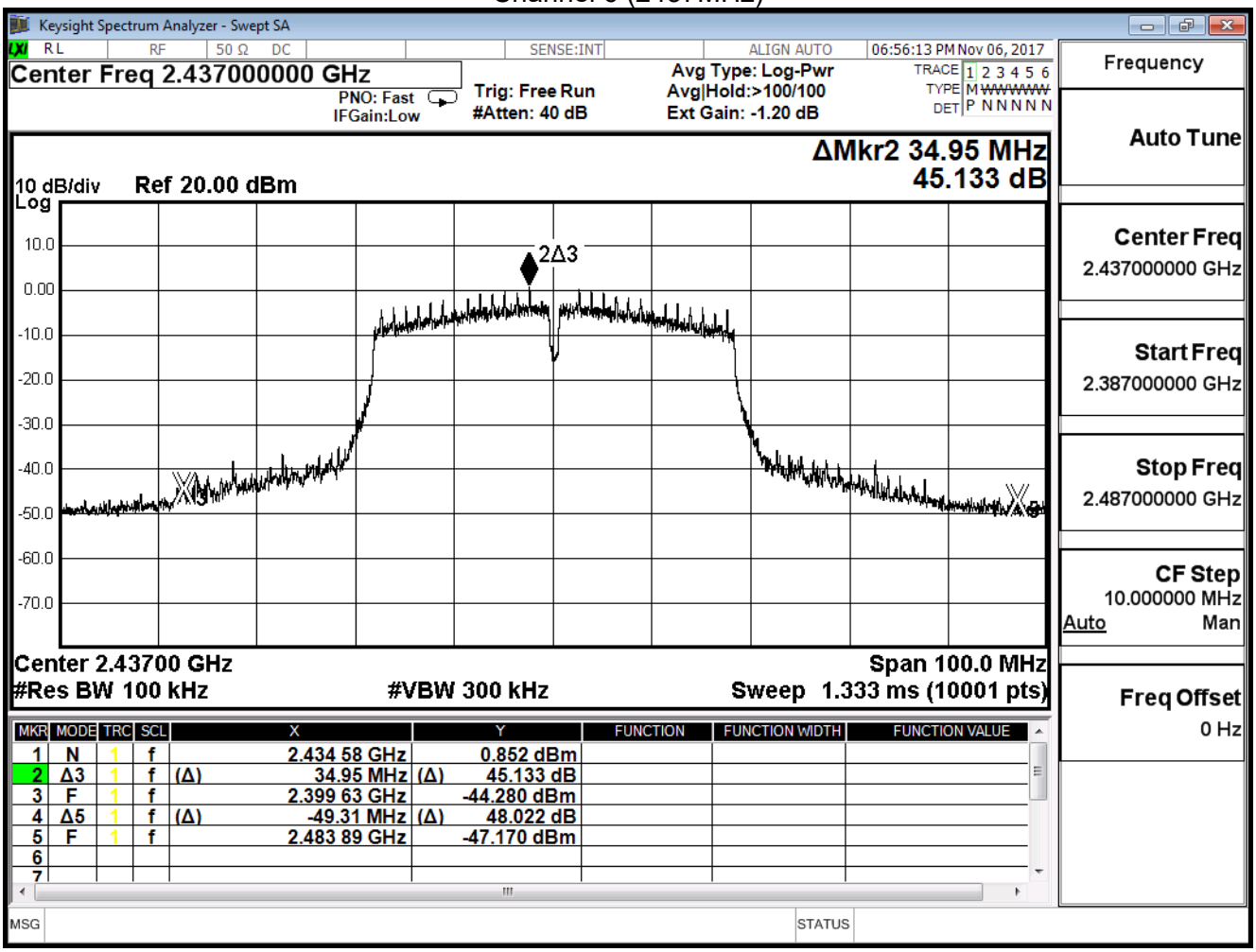
Product	Gigabit Broadband Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 2: TX MIMO_ADP 1		
Date of Test	2017/11/06	Test Site	SR10-H

IEEE 802.11n(40MHz) (ANT 1)			
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)
3	2422	40.620	≧30
6	2437	45.133	≧30
9	2452	44.090	≧30

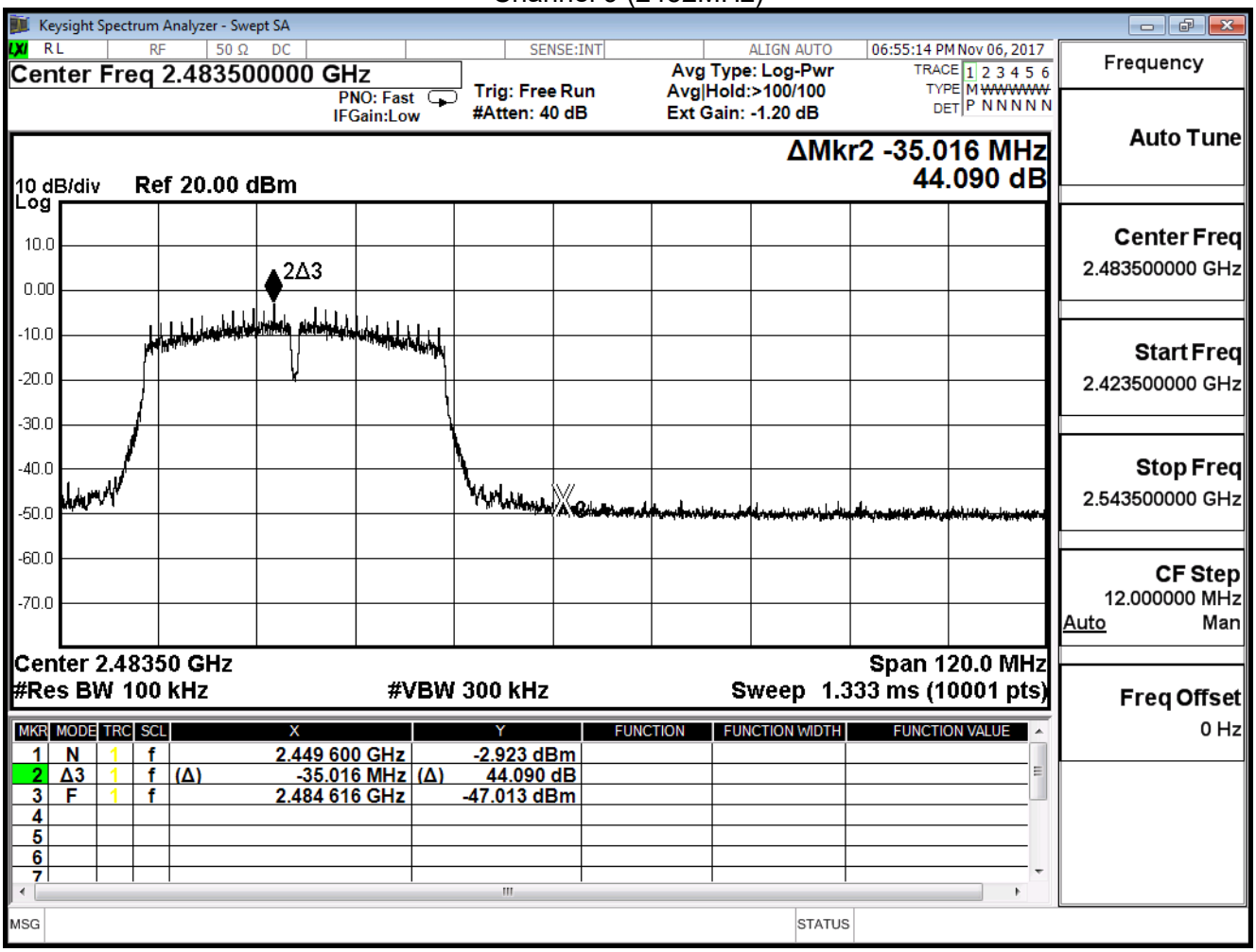
Channel 3 (2422MHz)



Channel 6 (2437MHz)

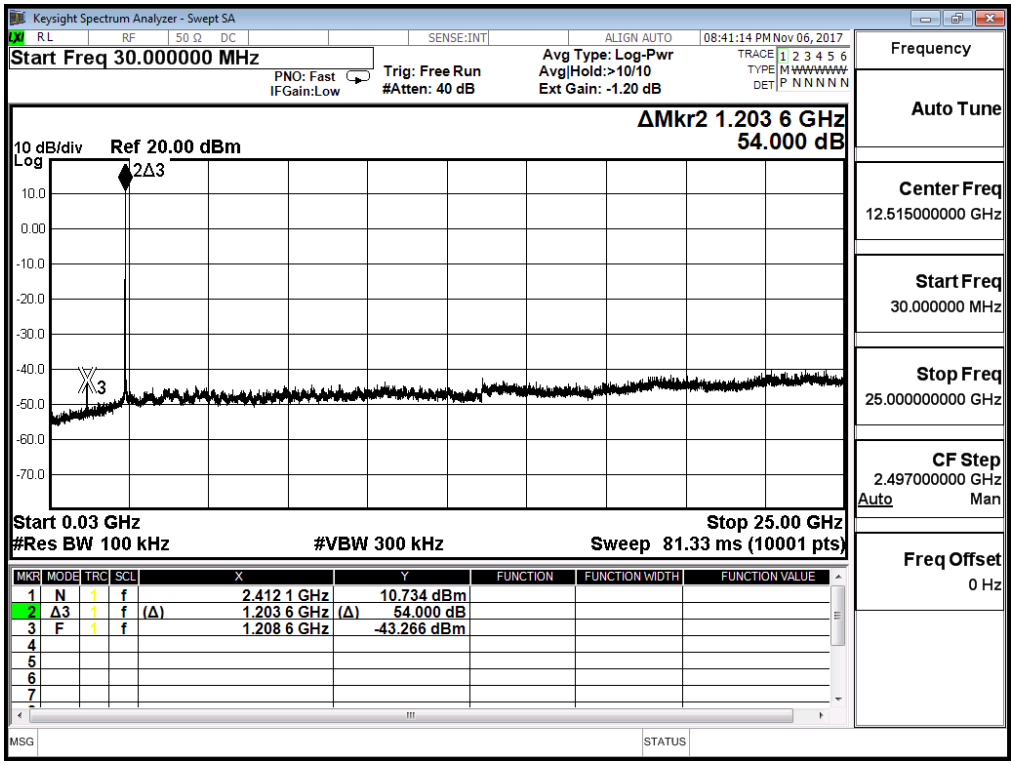


Channel 9 (2452MHz)

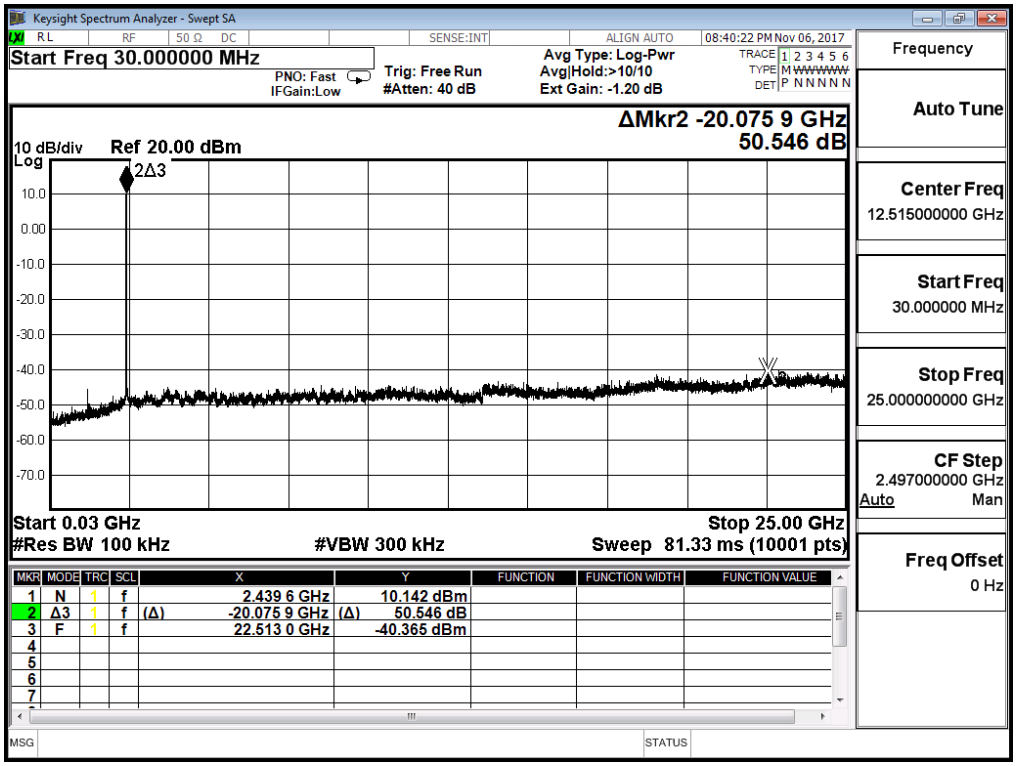


Product	Gigabit Broadband Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: TX SISO_ADP 1 Mode 2: TX MIMO_ADP 1		
Date of Test	2017/11/06	Test Site	SR10-H

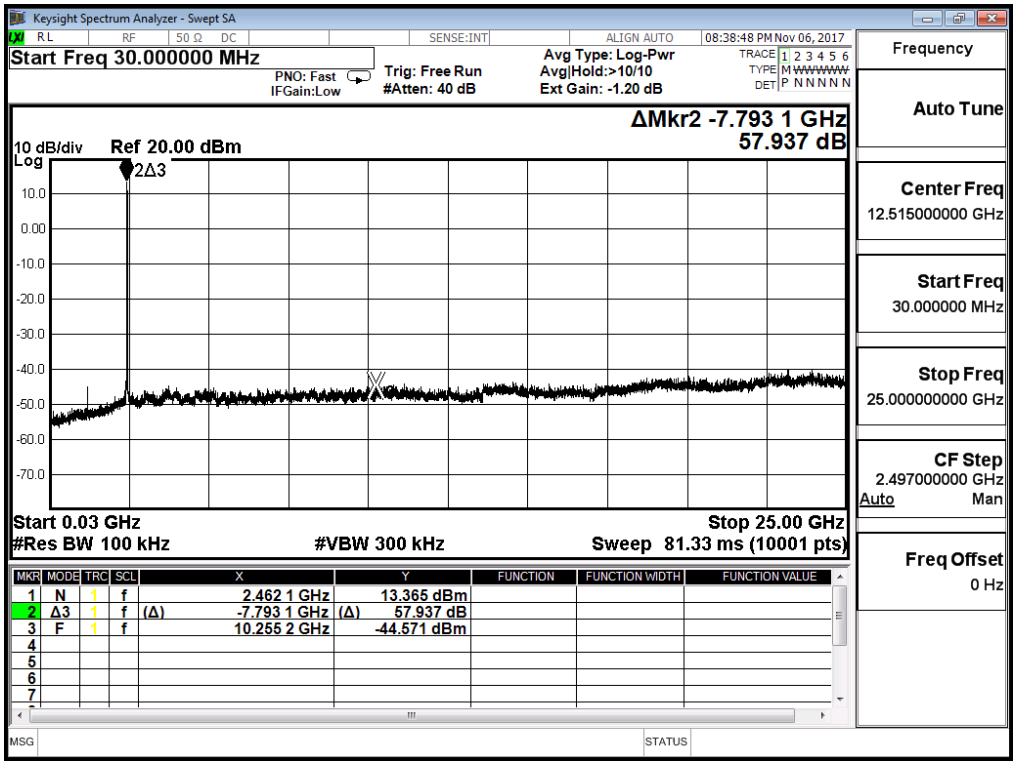
2412MHz (30MHz-25GHz)-802.11b-ANT 0



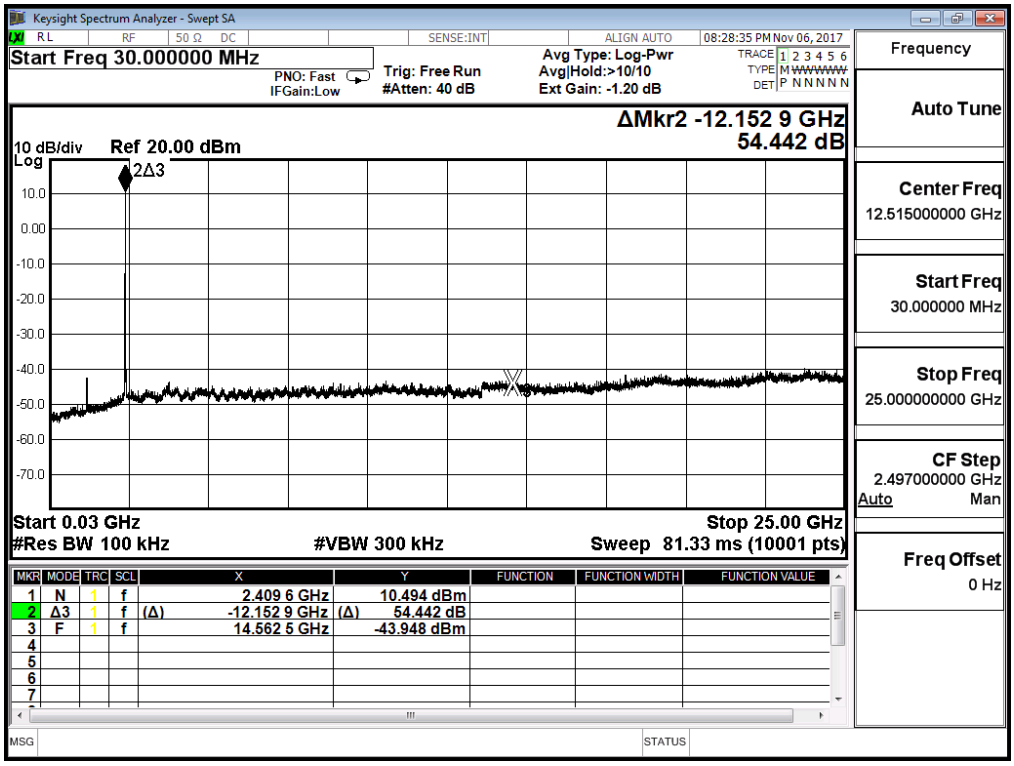
2437MHz (30MHz-25GHz)-802.11b-ANT 0



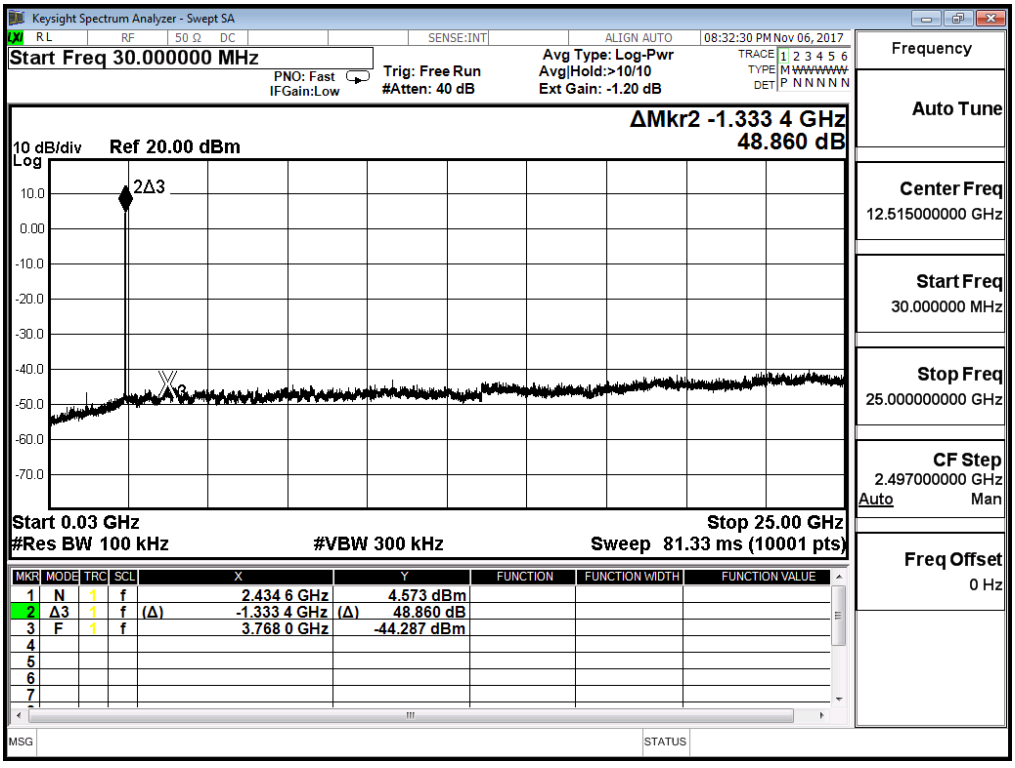
2462MHz (30MHz-25GHz)-802.11b-ANT 0



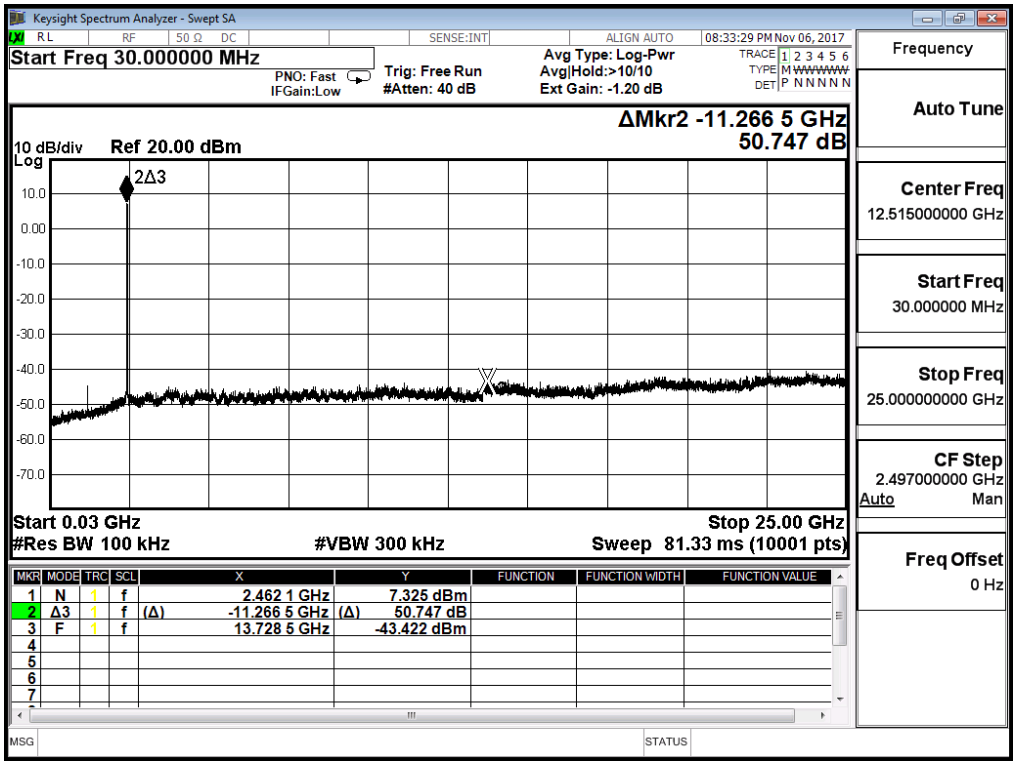
2412MHz (30MHz-25GHz)-802.11b-ANT 1



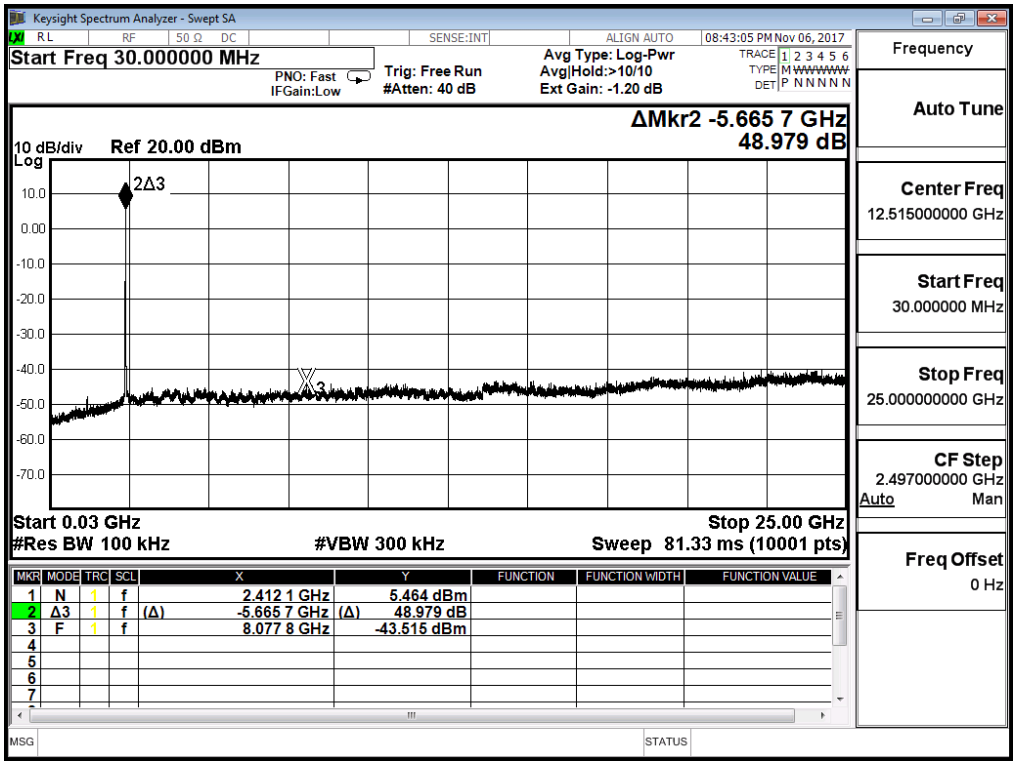
2437MHz (30MHz-25GHz)-802.11b-ANT 1



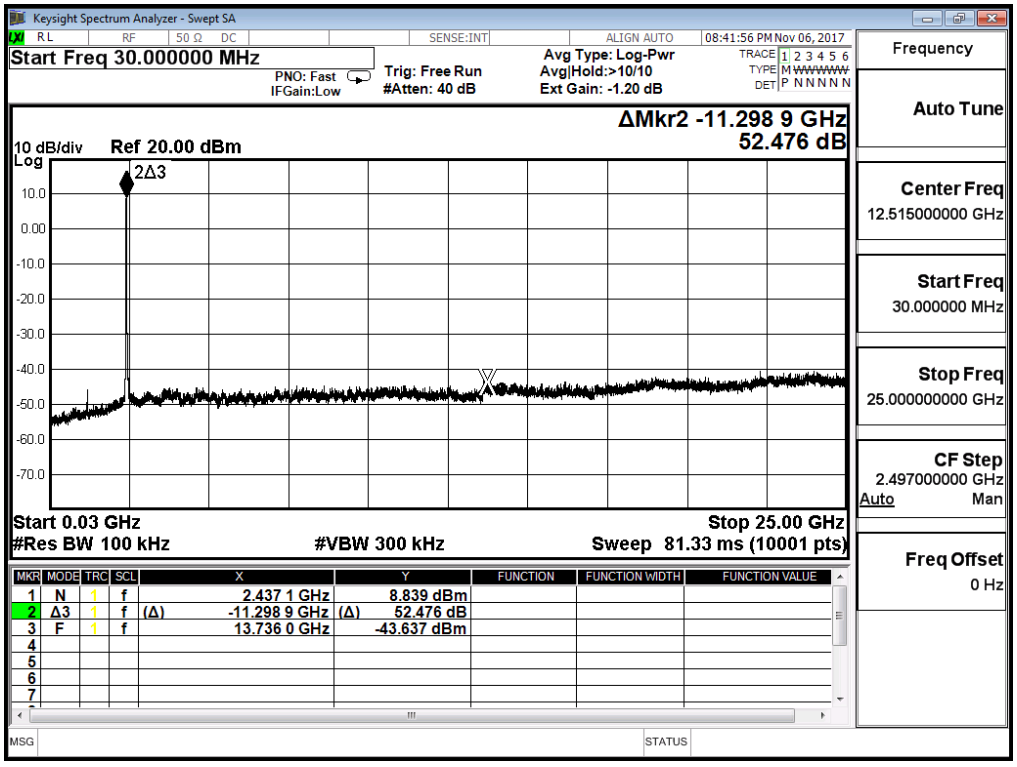
2462MHz (30MHz-25GHz)-802.11b-ANT 1



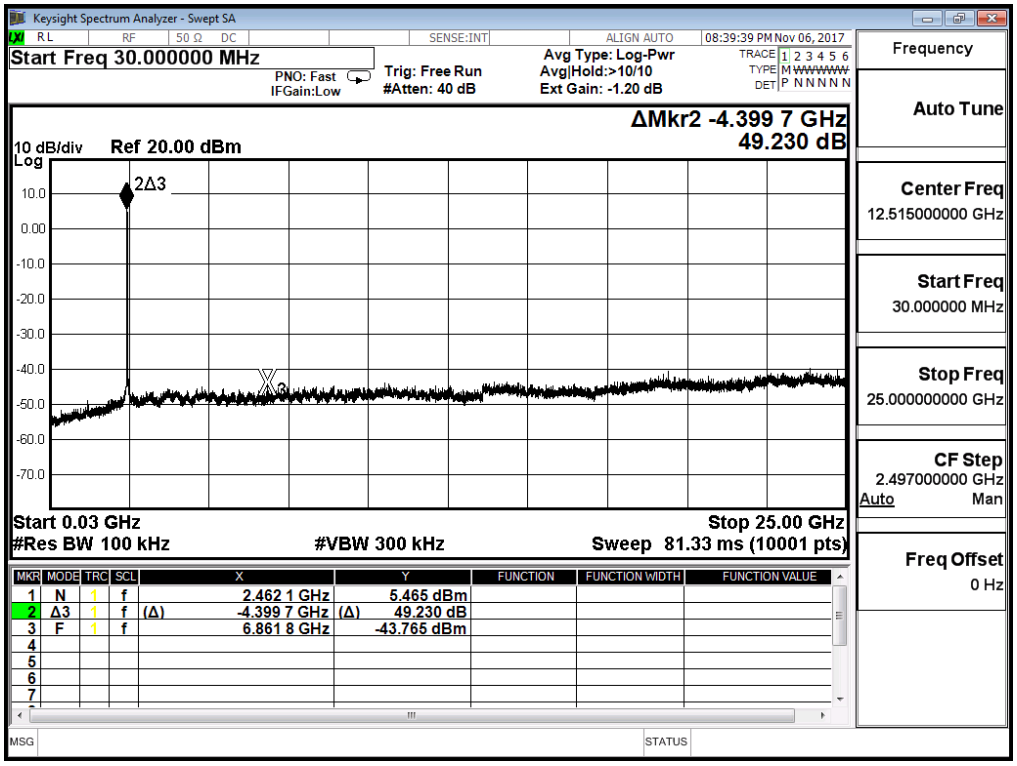
2412MHz (30MHz-25GHz)-802.11g-ANT 0



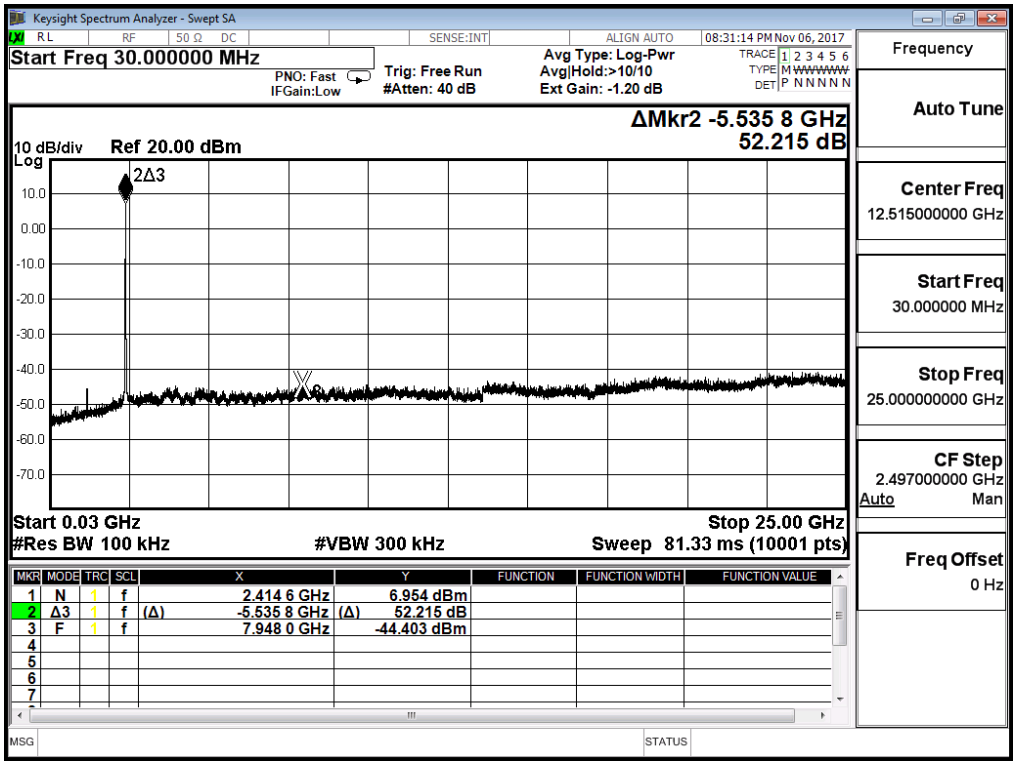
2437MHz (30MHz-25GHz)-802.11g-ANT 0



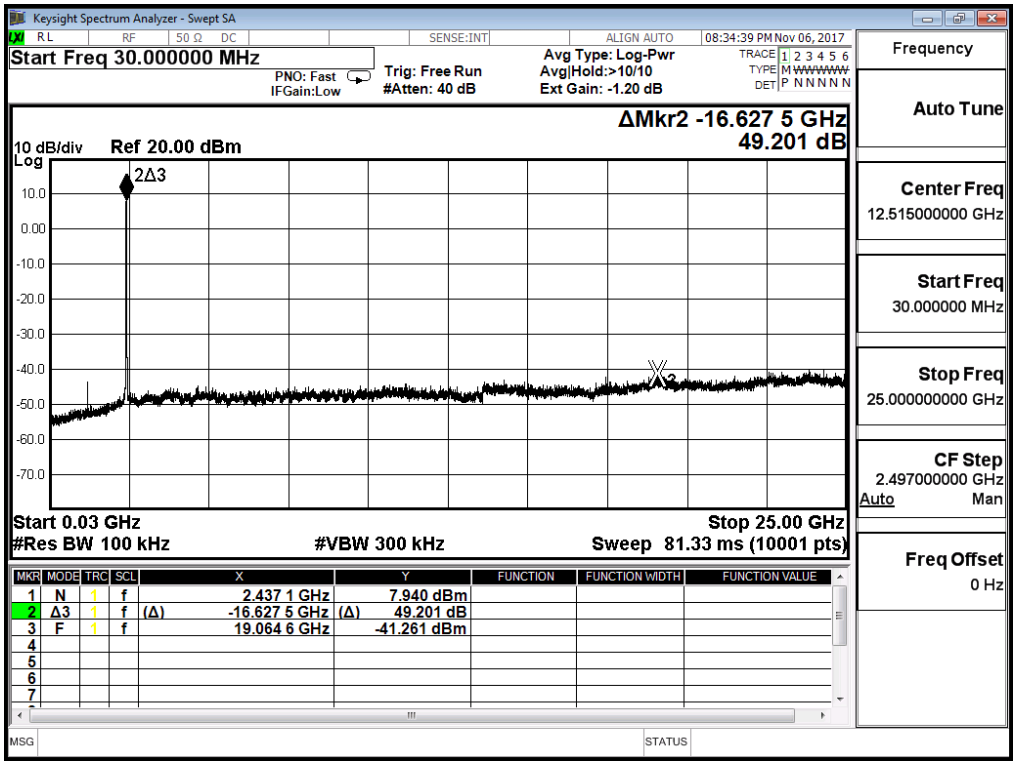
2462MHz (30MHz-25GHz)-802.11g-ANT 0



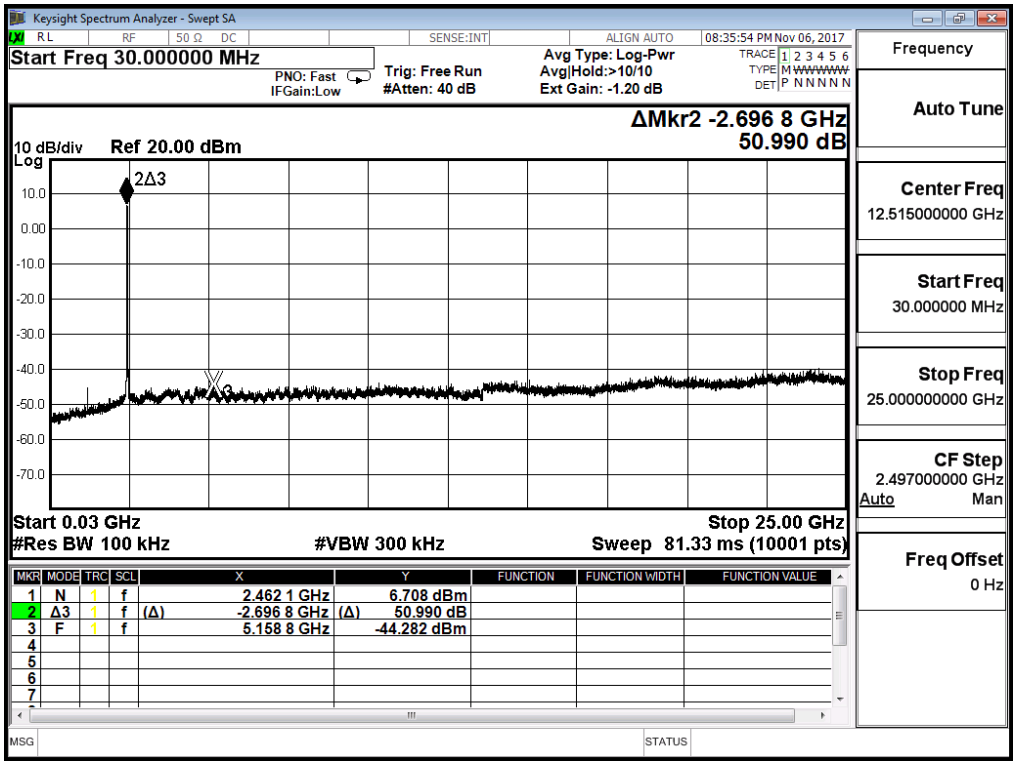
2412MHz (30MHz-25GHz)-802.11g-ANT 1



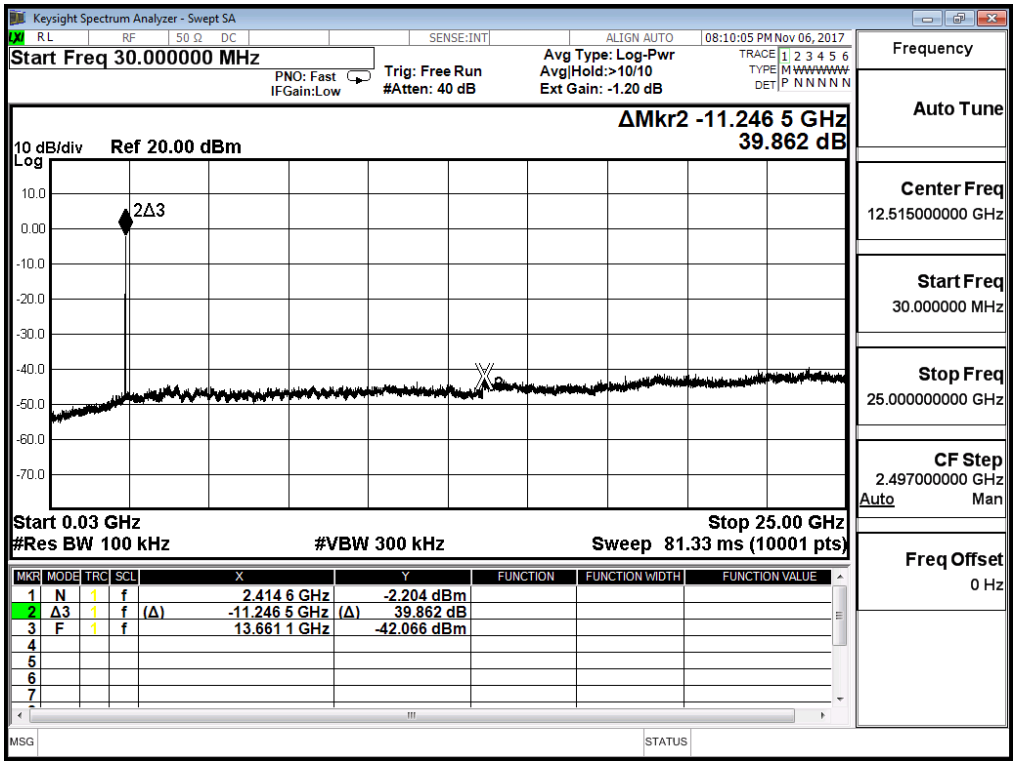
2437MHz (30MHz-25GHz)-802.11g-ANT 1



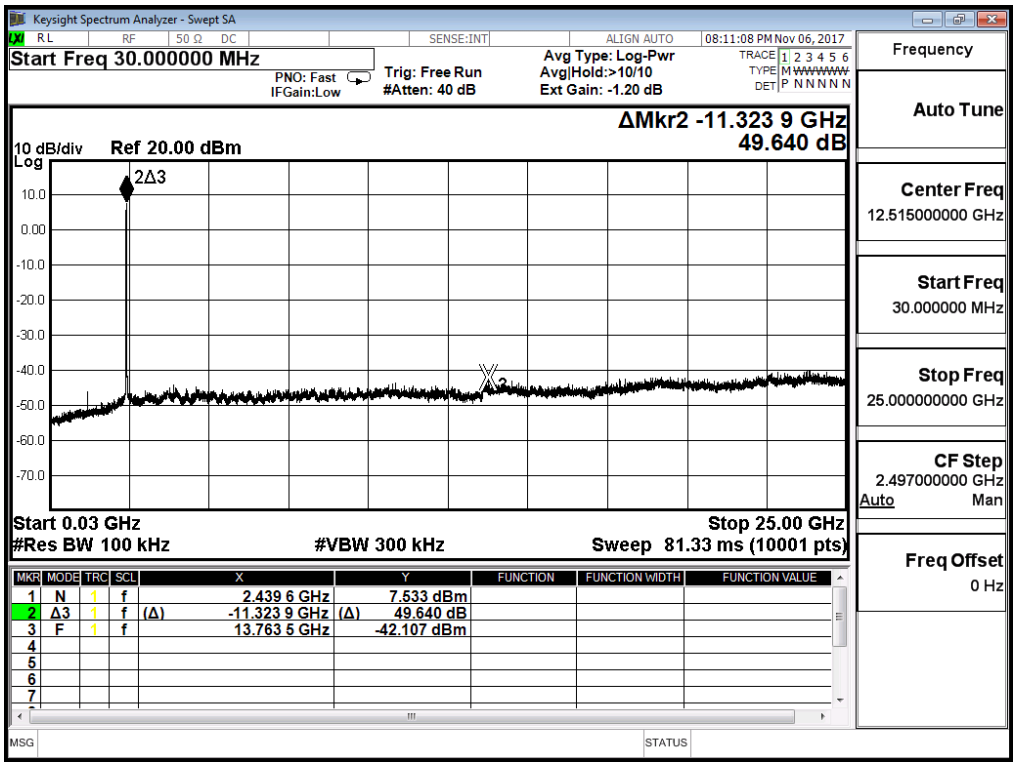
2462MHz (30MHz-25GHz)-802.11g-ANT 1



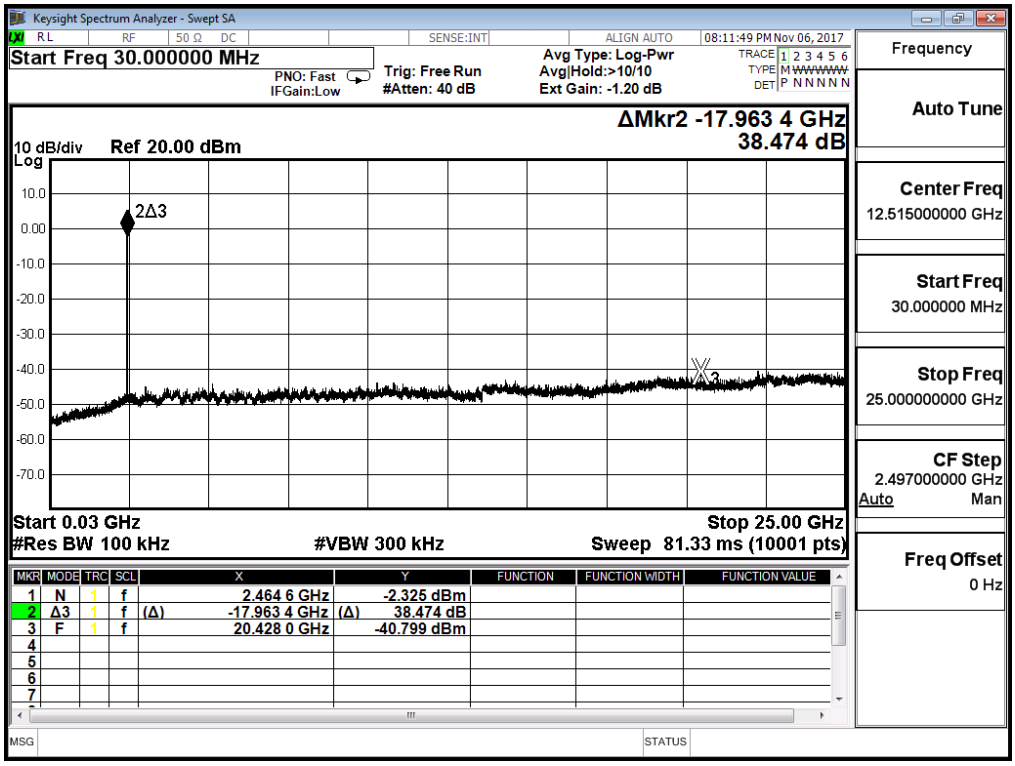
2412MHz (30MHz-25GHz)-802.11n(20MHz)-ANT 0



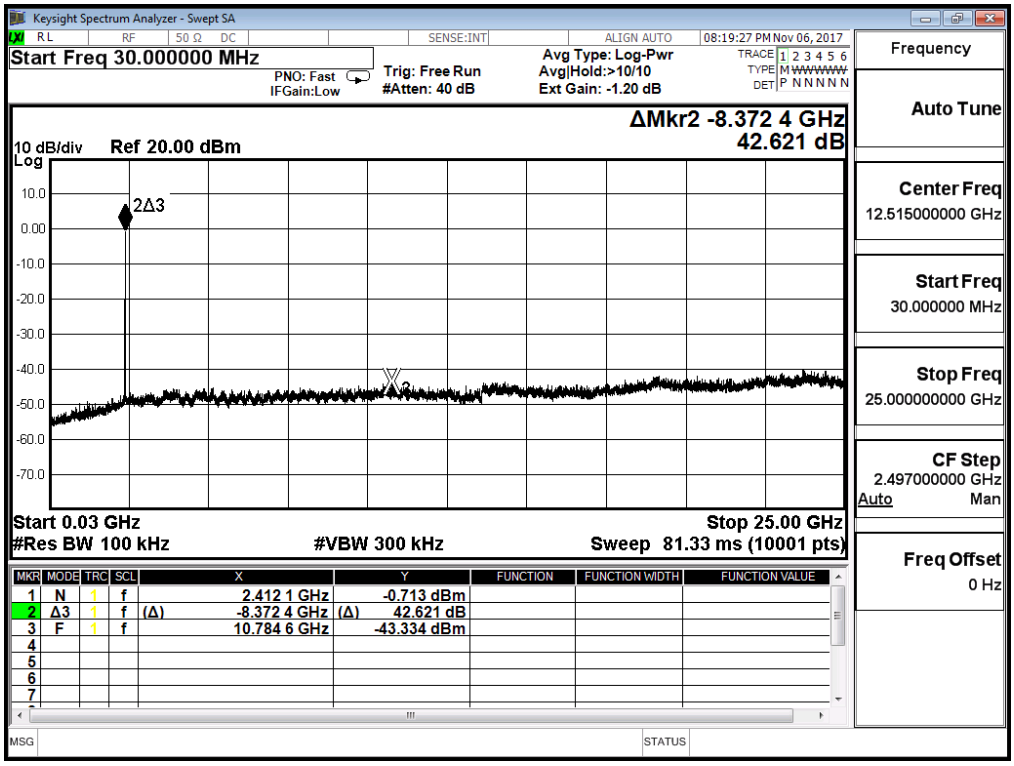
2437MHz (30MHz-25GHz)-802.11n(20MHz)-ANT 0



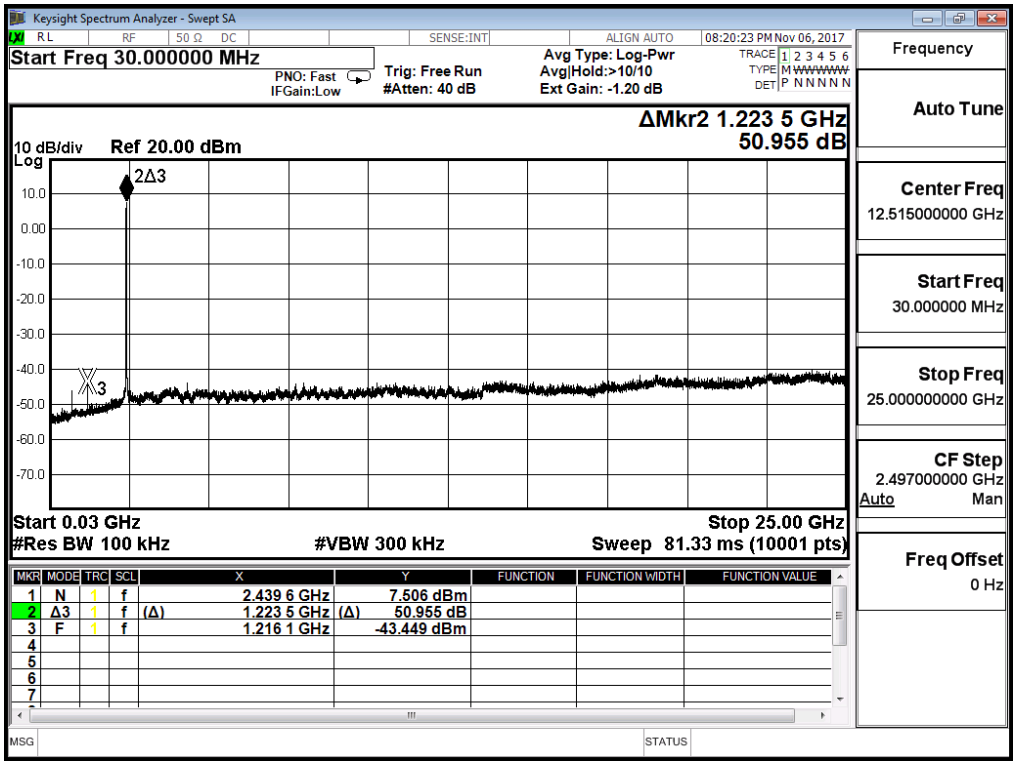
2462MHz (30MHz-25GHz)-802.11n(20MHz)-ANT 0



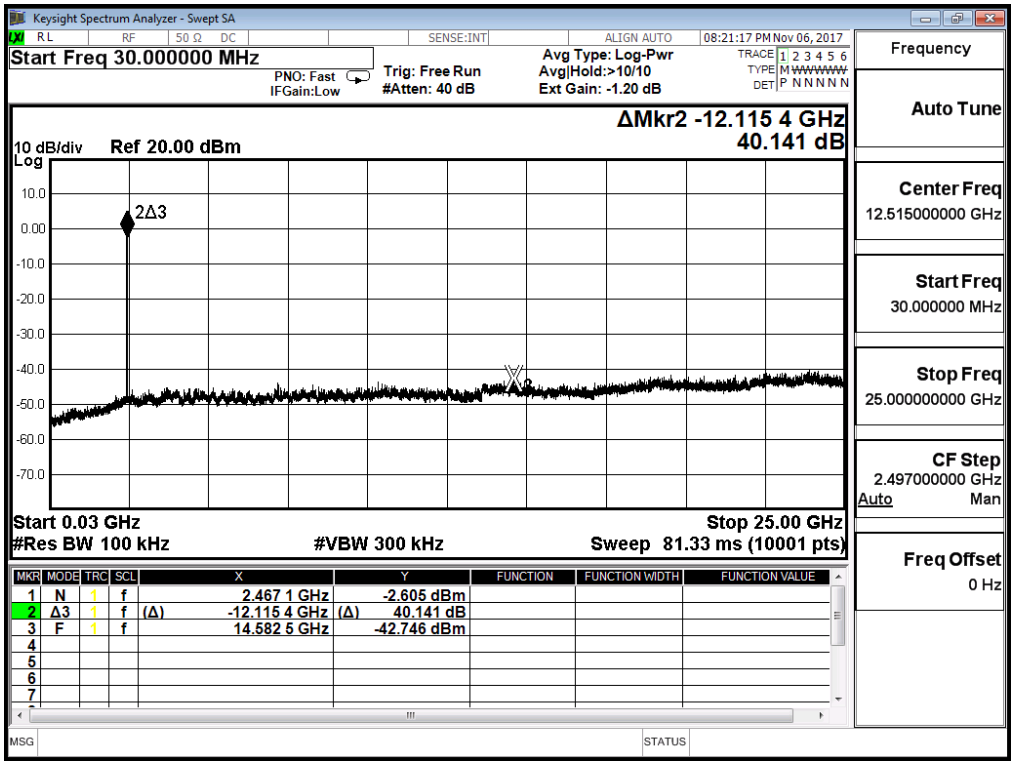
2412MHz (30MHz-25GHz)-802.11n(20MHz)-ANT 1



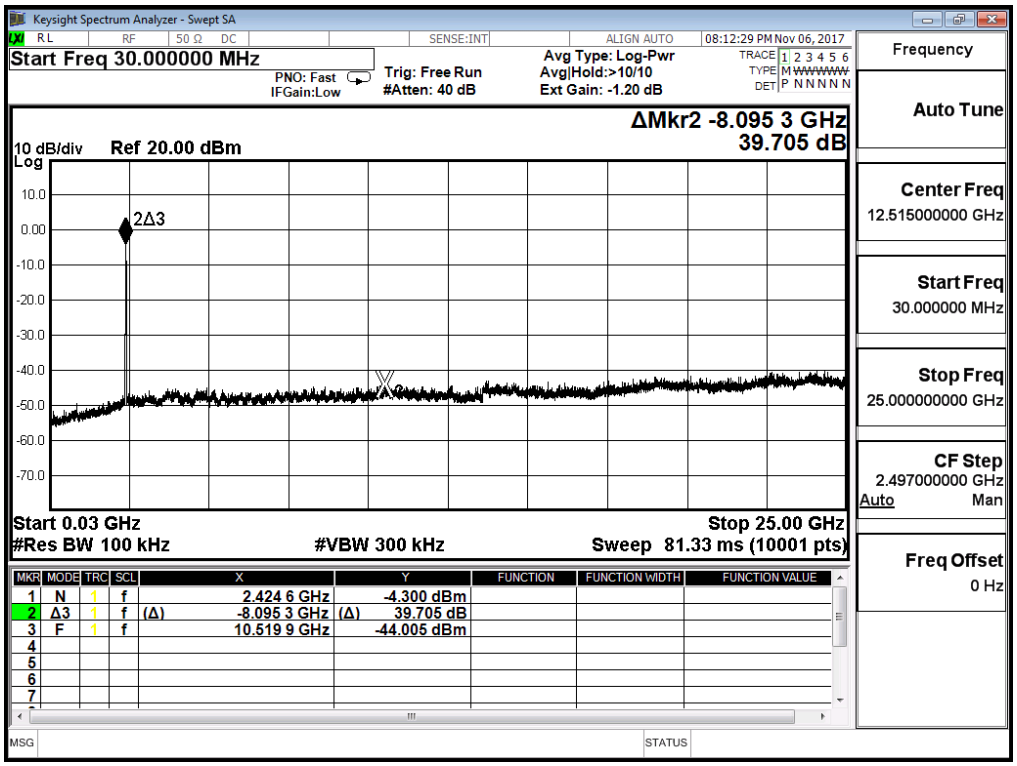
2437MHz (30MHz-25GHz)-802.11n(20MHz)-ANT 1



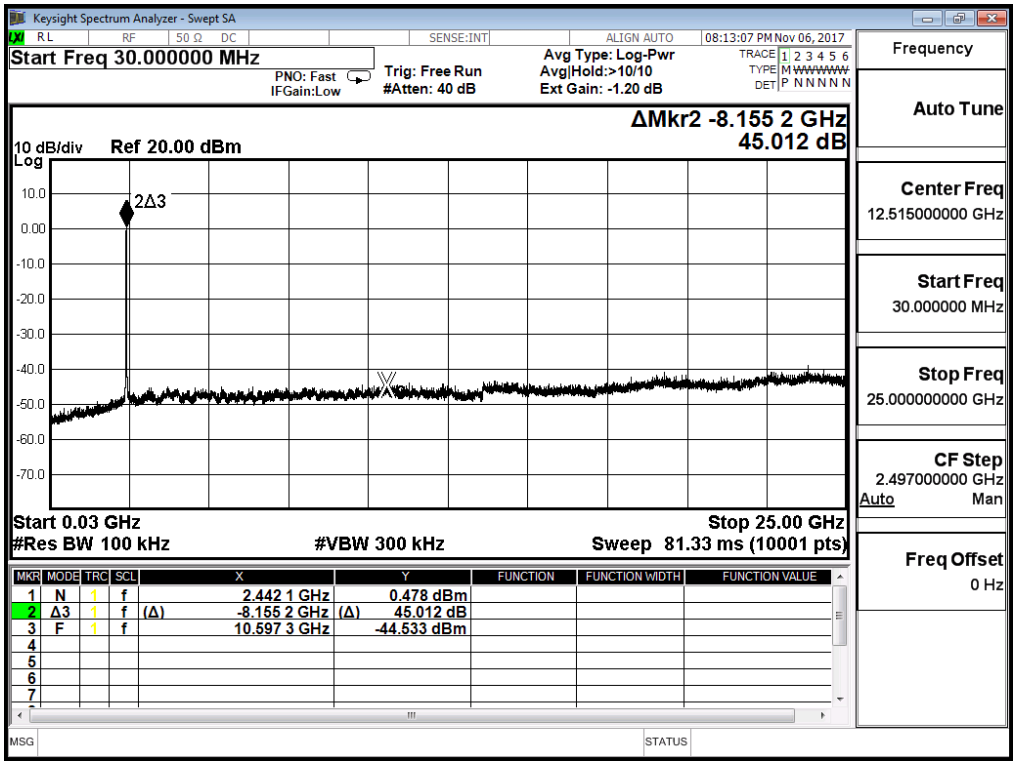
2462MHz (30MHz-25GHz)-802.11n(20MHz)-ANT 1



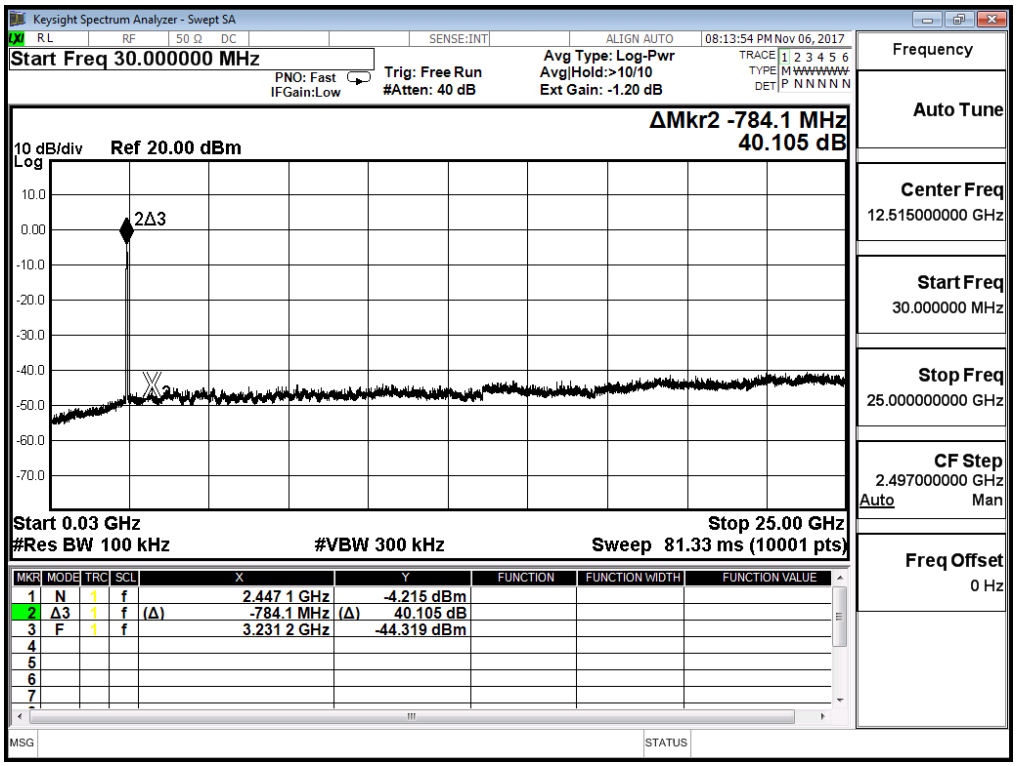
2422MHz (30MHz-25GHz)-802.11n(40MHz)-ANT 0



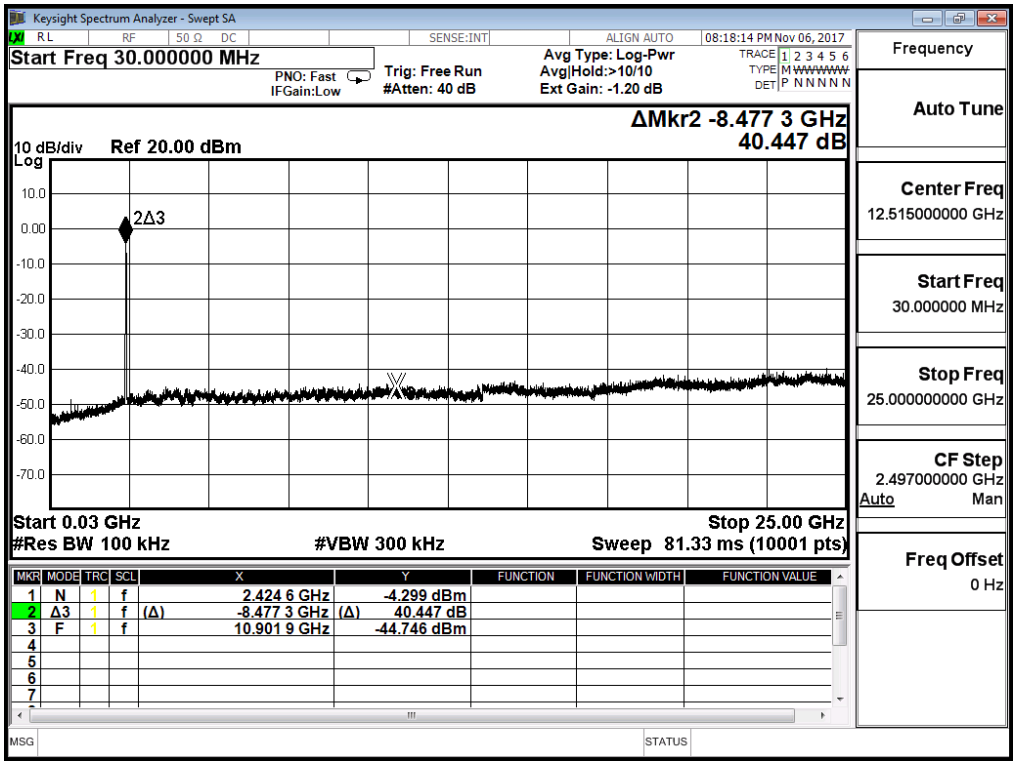
2437MHz (30MHz-25GHz)-802.11n(40MHz)-ANT 0



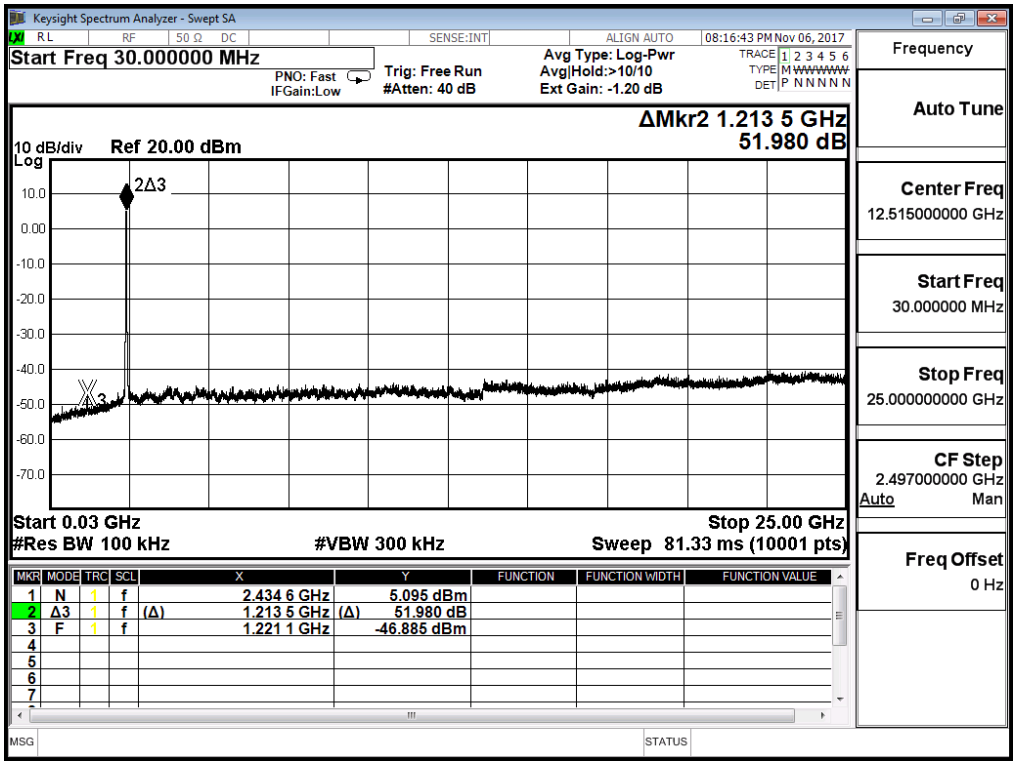
2452MHz (30MHz-25GHz)-802.11n(40MHz)-ANT 0



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



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



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