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-RFUSP57V00
Report Version	：	V1.0

Testing Laboratory
3024

Test Report Certification

Issued Date : Dec. 01, 2017
Report No. : 1780422R-RFUSP57V00

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 Voltage	:	AC 100-240V, 50-60Hz
Testing Voltage	:	AC 120V/60Hz
Trade Name	:	DrayTek
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart E Section 15.407: 2015 ANSI C63.10: 2013 KDB 789033.D02 V01r03 KDB 644545 D03 V01/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

(Carol Tsai / Senior Engineering Adm. Specialist)

Tested By : Elwin Lin

(Elwin Lin / Assistant Engineer)

Approved By : Roy Wang

(Roy Wang / Director)

Revision History

Report No.	Version	Description	Issued Date
1780422R-RFUSP57V00	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 802.11a/ IEEE 802.11n (20MHz) / IEEE 802.11ac (20MHz)	5180~5240MHz / 4 Channels 5745~5825MHz / 5 Channels
	IEEE 802.11n (40MHz) / IEEE 802.11ac (40MHz)	5190~5230MHz / 2 Channels 5755~5795MHz / 2 Channels
	IEEE 802.11ac (80MHz)	5210~5210MHz / 1 Channel 5775~5775MHz / 1 Channel
Type of Modulation	IEEE 802.11a/n/ac	Orthogonal Frequency Division Multiplexing (OFDM)
Data Speed	IEEE 802.11a	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
	IEEE 802.11ac	Support a subset of the combination of GI, MCS 0~MCS 9 and bandwidth defined in 802.11ac

Antenna Information	
Antenna Type	Dipole antenna
Antenna Gain	4.12 dBi

Accessories Information	
Antenna	2 PCS
Power Adapter	CWT, 2ABL024F US I/P : 100-240V~50/60Hz 0.8A O/P : 12.0V ⎓ 2.0A Cable Out: Non-Shielded, 1.5m
Power Adapter	CWT, 2ABB018F US I/P : 100-240V~50/60Hz 0.5A O/P : 12.0V ⎓ 1.5A Cable Out: Non-Shielded, 1.5m

ANT-TX / RX & Bandwidth

ANT-TX / RX	TX			RX		
Mode/ Channel Bandwidth	20MHz	40MHz	80MHz	20MHz	40MHz	80MHz
IEEE802.11a	✓			✓		
IEEE802.11n	✓	✓		✓	✓	
IEEE802.11ac	✓	✓	✓	✓	✓	✓

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 802.11ac Data Rate

Spatial Streams (Note1)	MCS Index	Modulation type	Coding rate	Data Rate(Mb/s)					
				20 MHz		40 MHz		80 MHz	
				Guard Interval		Guard Interval		Guard Interval	
				800ns	400ns	800ns	400ns	800ns	400ns
1	0	BPSK	1/2	6.5	7.2	13.5	15	29.3	32.5
	1	QPSK	1/2	13	14.4	27	30	58.5	65
	2	QPSK	3/4	19.5	21.7	40.5	45	87.8	97.5
	3	16-QAM	1/2	26	28.9	54	60	117	130
	4	16-QAM	3/4	39	43.3	81	90	175.5	195
	5	64-QAM	2/3	52	57.8	108	120	234	260
	6	64-QAM	3/4	58.5	65	121.5	135	263.3	292.5
	7	64-QAM	5/6	65	72.2	135	150	292.5	325
	8	256-QAM	3/4	78	86.7	162	180	351	390
	9	256-QAM	5/6	N/A	N/A	180	200	390	433.3
2	0	BPSK	1/2	13	14.4	27	30	58.6	65
	1	QPSK	1/2	26	28.8	54	60	117	130
	2	QPSK	3/4	39	43.4	81	90	175.6	195
	3	16-QAM	1/2	52	57.8	108	120	234	260
	4	16-QAM	3/4	78	86.6	162	180	351	390
	5	64-QAM	2/3	104	115.6	216	240	468	520
	6	64-QAM	3/4	117	130	243	270	526.6	585
	7	64-QAM	5/6	130	144.4	270	300	585	650
	8	256-QAM	3/4	156	173.4	324	360	702	780
	9	256-QAM	5/6	N/A	N/A	360	400	780	866.6

IEEE 802.11a & IEEE 802.11n (20MHz) & IEEE 802.11ac (20MHz)

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
36	5180 MHz	40	5200 MHz	44	5220 MHz	48	5240 MHz
149	5745 MHz	153	5765 MHz	157	5785 MHz	161	5805 MHz
165	5825 MHz						

IEEE 802.11n (40MHz) & IEEE 802.11ac (40MHz)

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz	151	5755 MHz	159	5795 MHz

IEEE 802.11ac (80MHz)

Working Frequency of Each Channel	
Channel	Frequency
42	5210 MHz
155	5775 MHz

Note:

1. This device is a Gigabit Broadband Router supports 2.4GHz b/g/n (2x2) and 5GHz a/n/ac (2x2) transmitting and receiving function.
2. Regards to the frequency band operation; the lowest、middle and highest frequency of channel were selected to perform the test, and then shown on this report.
3. The 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 CDD_ADP 1 Mode 2: TX MIMO_ADP 1 Mode 3: TX MIMO_ADP 2

Test Items	Modulation	Channel	Antenna	Result
Conducted Emission	11ac (80MHz)	42/155	0+1	Complies
99% & DTS Bandwidth	a	36/44/48/149/157/165	0/1	Complies
	11n/ac (20MHz)	36/44/48/149/157/165	0/1	Complies
	11n/ac (40MHz)	38/46/151/159	0/1	Complies
	11ac (80MHz)	42/155	0/1	Complies
Peak Transmit Output	a	36/44/48/149/157/165	0+1	Complies
	11n/ac (20MHz)	36/44/48/149/157/165	0+1	Complies
	11n/ac (40MHz)	38/46/151/159	0+1	Complies
	11ac (80MHz)	42/155	0+1	Complies
Peak Power Spectrum Density	a	36/44/48/149/157/165	0+1	Complies
	11n/ac (20MHz)	36/44/48/149/157/165	0+1	Complies
	11n/ac (40MHz)	38/46/151/159	0+1	Complies
	11ac (80MHz)	42/155	0+1	Complies
Radiated Emission	a	36/44/48/149/157/165	0+1	Complies
	11n/ac (20MHz)	36/44/48/149/157/165	0+1	Complies
	11n/ac (40MHz)	38/46/151/159	0+1	Complies
	11ac (80MHz)	42/155	0+1	Complies
Band Edge	a	36/44/48/149/157/165	0+1	Complies
	11n/ac (20MHz)	36/44/48/149/157/165	0+1	Complies
	11n/ac (40MHz)	38/46/151/159	0+1	Complies
	11ac (80MHz)	42/155	0+1	Complies
Frequency Stability	a	36/48/149/165	0/1	Complies
	11n/ac (20MHz)	36/48/149/165	0/1	Complies
	11n/ac (40MHz)	38/46/151/159	0/1	Complies
	11ac (80MHz)	42/155	0/1	Complies

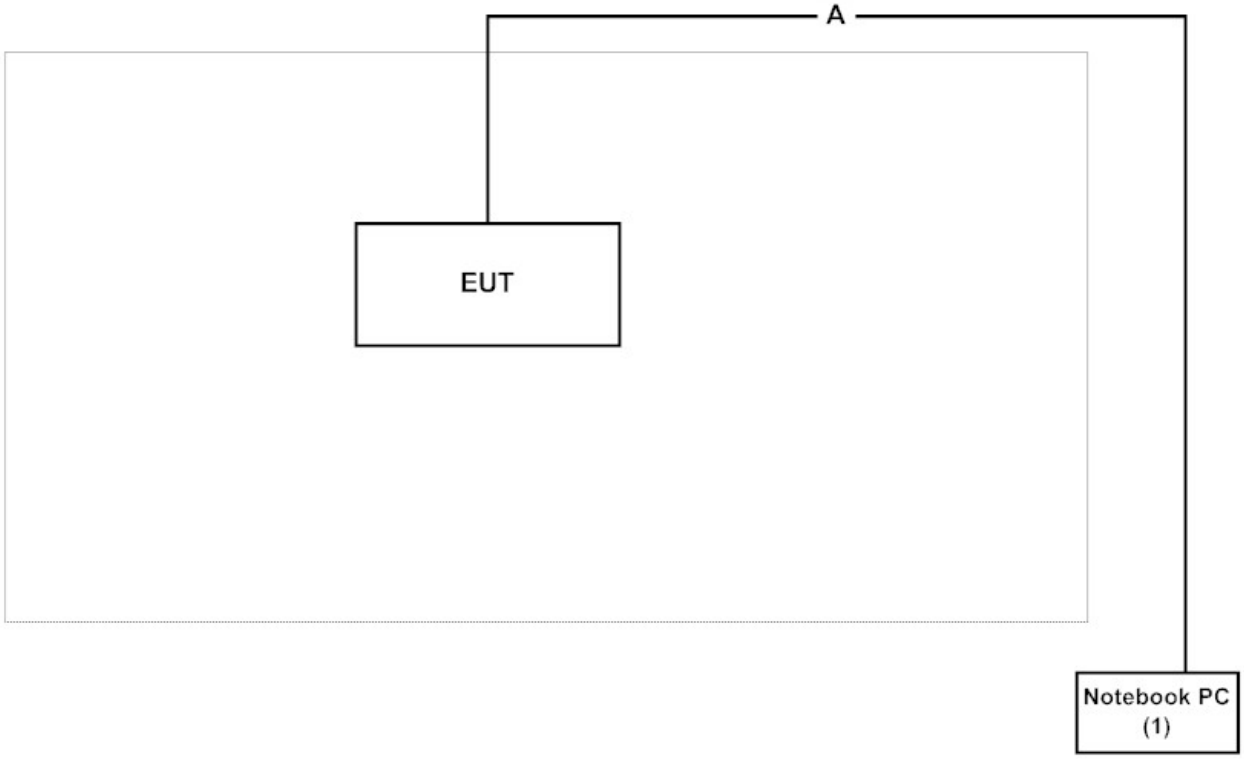
1.3. Tested System Details

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 E 15.407 Conducted Emission	15 - 35	20°C	3
Humidity (%RH)		25 - 75	50%RH	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 E 15.407 99% & DTS Bandwidth	15 - 35	25°C	3
Humidity (%RH)		25 - 75	45%RH	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 E 15.407 Peak Transmit Power	15 - 35	25°C	3
Humidity (%RH)		25 - 75	65%RH	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 E 15.407 Peak Power Spectrum Density	15 - 35	25°C	3
Humidity (%RH)		25 - 75	45%RH	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 E 15.407 Radiated Emission	15 - 35	25°C	2
Humidity (%RH)		25 - 75	45%RH	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 E 15.407 Band Edge	15 - 35	25°C	2
Humidity (%RH)		25 - 75	45%RH	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 E 15.407 Frequency Stability	15 - 35	25°C	3
Humidity (%RH)		25 - 75	45%RH	
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
802.11a(CDD)	≒98%	--
802.11n20(MIMO)	≒97%	0.250
802.11n40(MIMO)	≒95%	0.495
802.11 ac80(MIMO)	≒90%	1.01

Note:

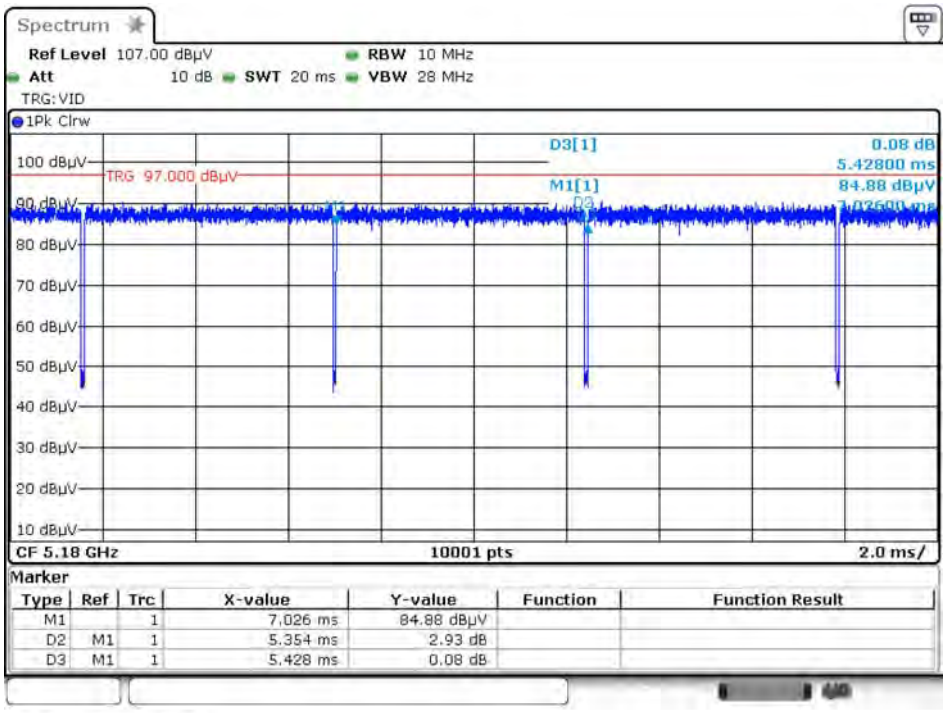
Offset = 20 log(1/duty cycle)

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.

802.11a



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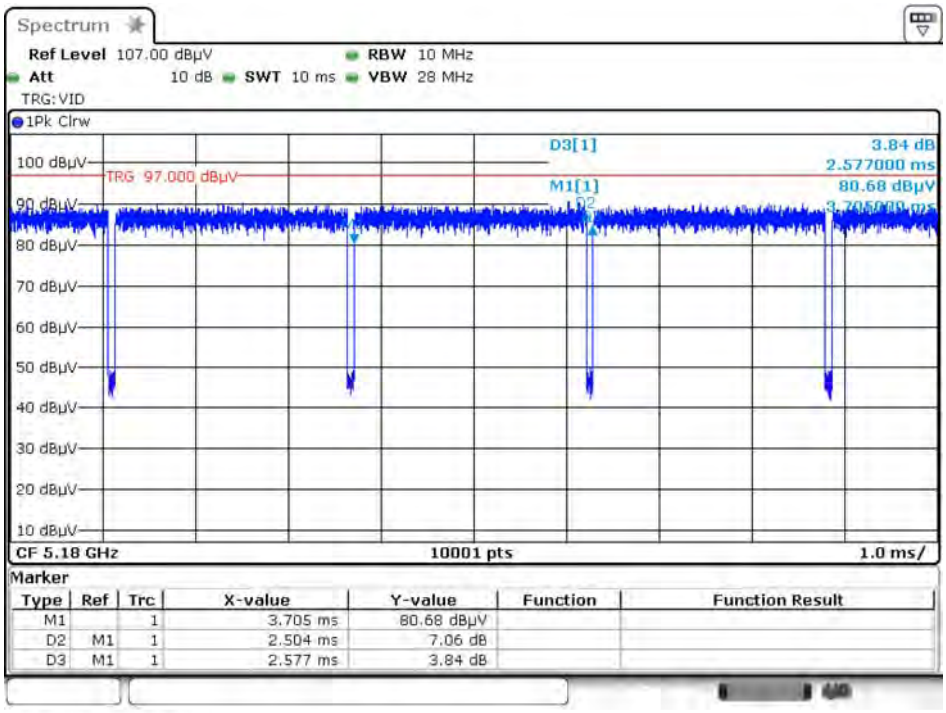

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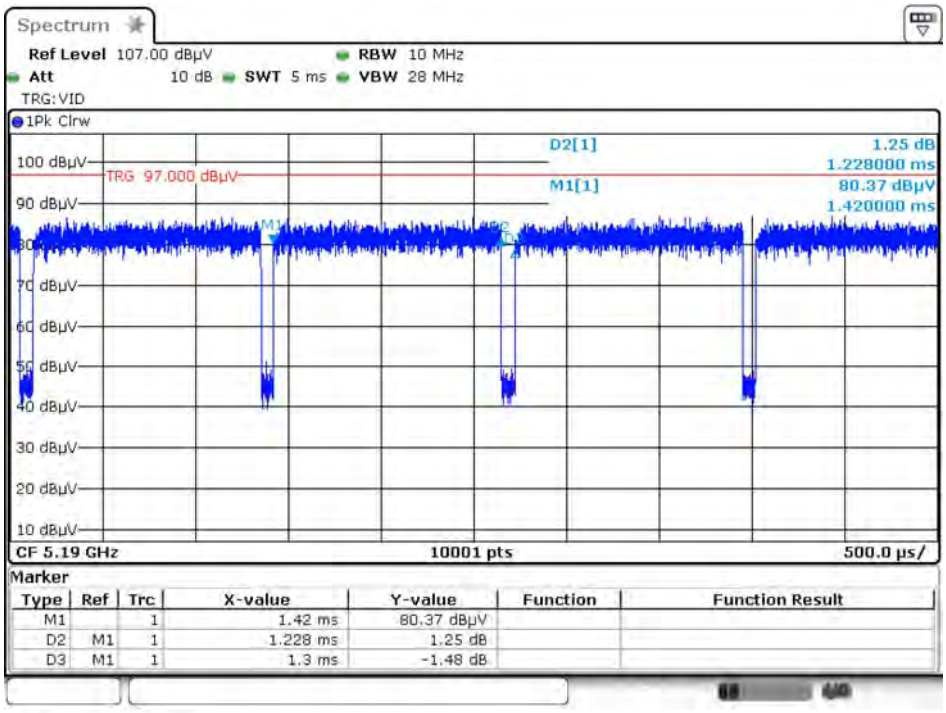

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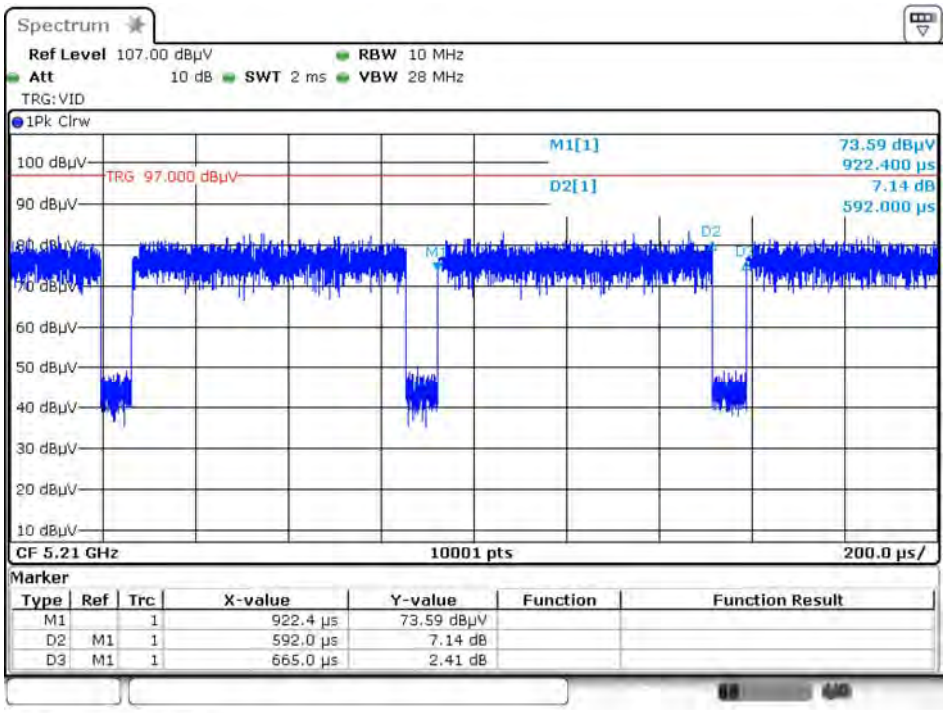

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2. Conducted Emission

2.1. Test Equipment

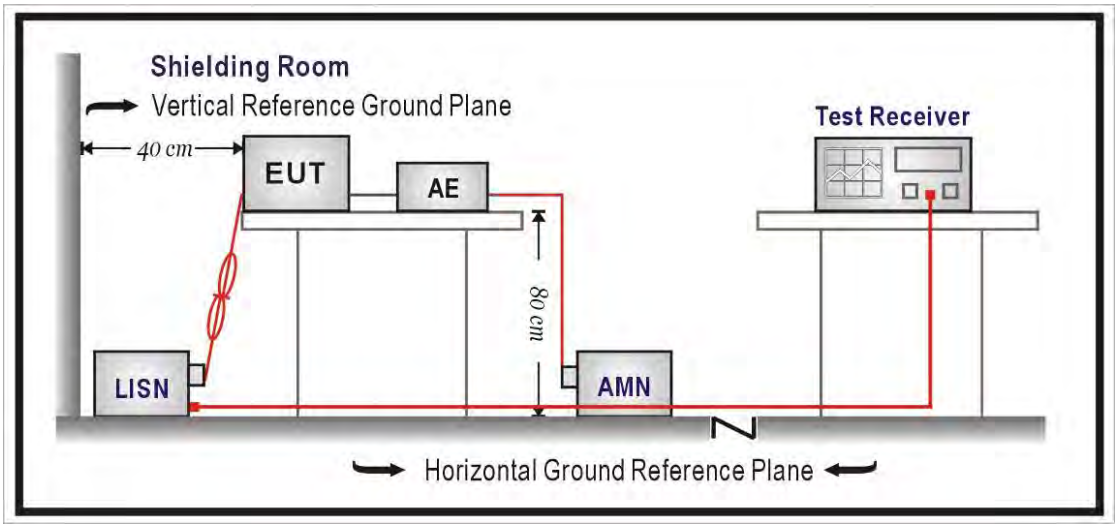
The following test equipment are used during the test:

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

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

2.4. Test Procedure

The EUT was setup according to ANSI C63.10: 2013. 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

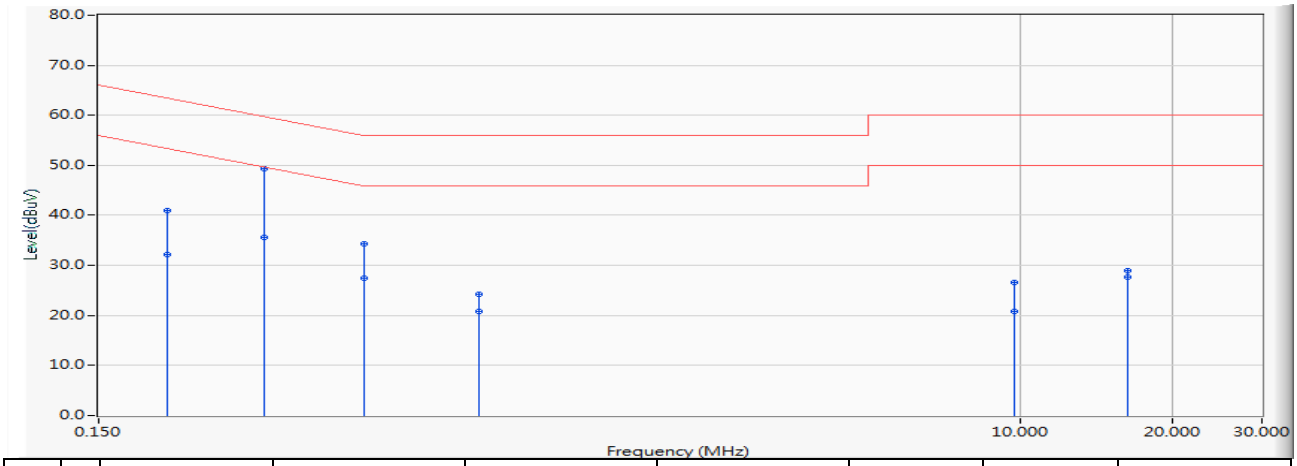
According to FCC Part 15 Subpart C Paragraph 15.207: 2015

2.6. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

2.7. Test Result

Site : SR2-H	**Time : 2017/11/16**
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 1 802.11ac(80M)_5210MHz**

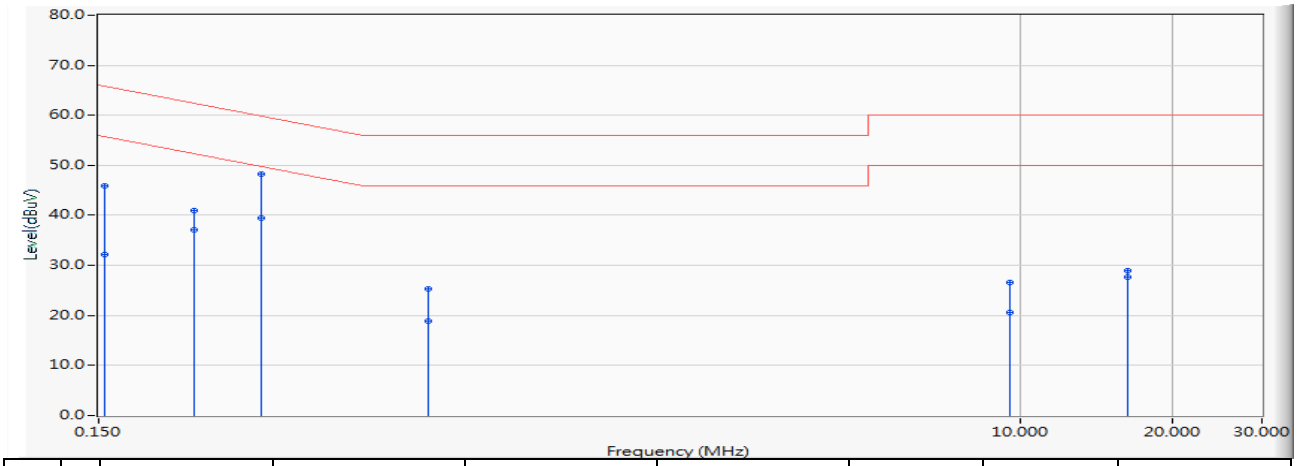


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.205	9.750	31.130	40.880	-22.539	63.418	QUASIPEAK
2		0.205	9.750	22.350	32.100	-21.319	53.418	AVERAGE
3	*	0.318	9.738	39.550	49.288	-10.471	59.760	QUASIPEAK
4		0.318	9.738	25.800	35.538	-14.221	49.760	AVERAGE
5		0.502	9.729	24.650	34.380	-21.620	56.000	QUASIPEAK
6		0.502	9.729	17.800	27.530	-18.470	46.000	AVERAGE
7		0.845	9.792	14.480	24.271	-31.729	56.000	QUASIPEAK
8		0.845	9.792	10.930	20.721	-25.279	46.000	AVERAGE
9		9.740	10.120	16.500	26.619	-33.381	60.000	QUASIPEAK
10		9.740	10.120	10.600	20.719	-29.281	50.000	AVERAGE
11		16.228	10.250	18.810	29.059	-30.941	60.000	QUASIPEAK
12		16.228	10.250	17.410	27.659	-22.341	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 : 2017/11/16**
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 1 802.11ac(80M)_5210MHz**

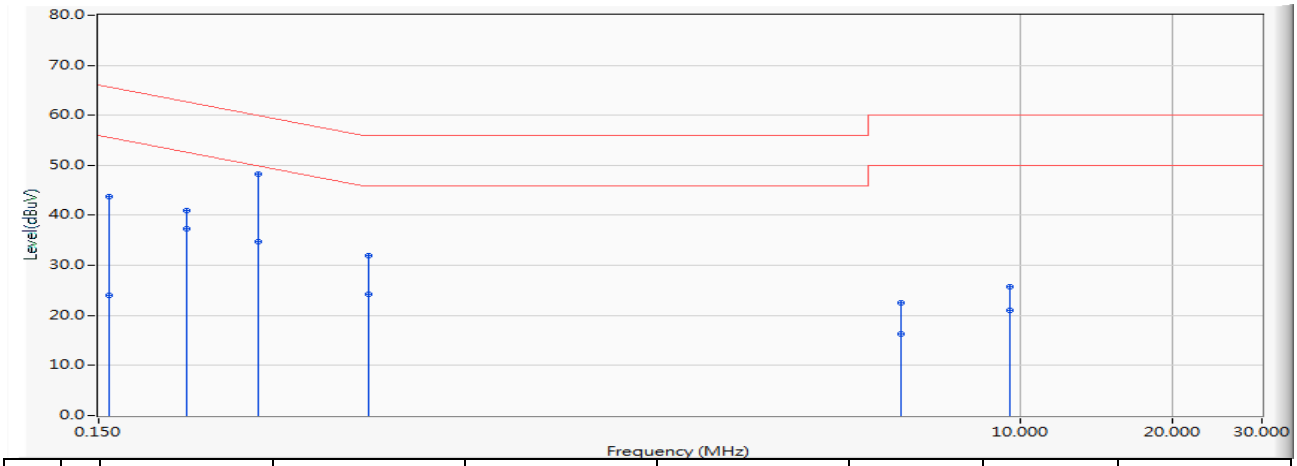


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.154	9.747	36.200	45.946	-19.840	65.786	QUASIPEAK
2		0.154	9.747	22.440	32.186	-23.600	55.786	AVERAGE
3		0.232	9.750	31.300	41.050	-21.327	62.377	QUASIPEAK
4		0.232	9.750	27.280	37.030	-15.347	52.377	AVERAGE
5		0.314	9.750	38.510	48.260	-11.602	59.862	QUASIPEAK
6	*	0.314	9.750	29.730	39.480	-10.382	49.862	AVERAGE
7		0.673	9.771	15.530	25.301	-30.699	56.000	QUASIPEAK
8		0.673	9.771	9.090	18.861	-27.139	46.000	AVERAGE
9		9.513	10.121	16.370	26.491	-33.509	60.000	QUASIPEAK
10		9.513	10.121	10.570	20.691	-29.309	50.000	AVERAGE
11		16.228	10.357	18.510	28.867	-31.133	60.000	QUASIPEAK
12		16.228	10.357	17.260	27.617	-22.383	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 : 2017/11/16**
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 1 802.11ac(80M)_5775MHz**

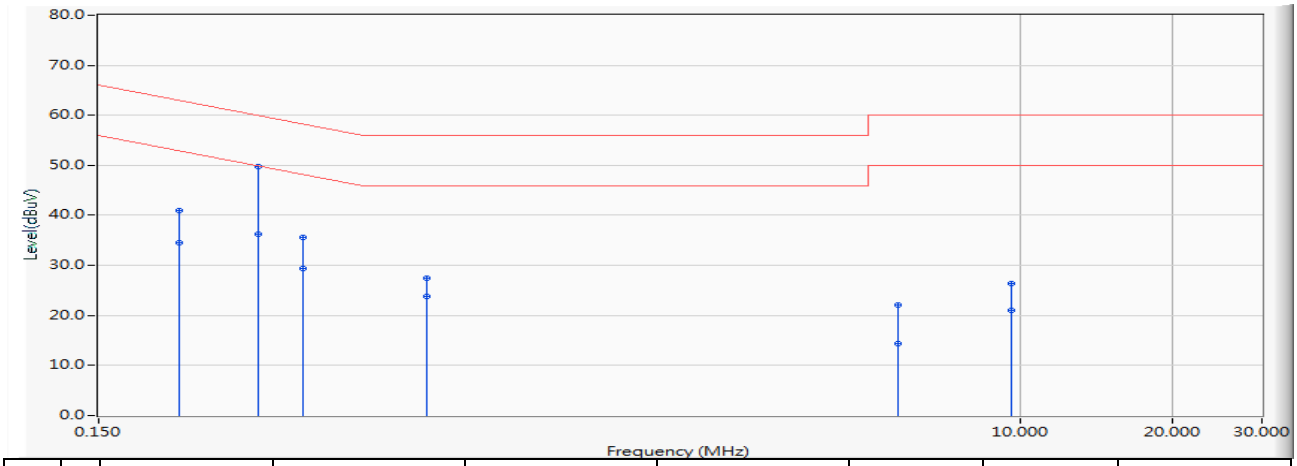


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.158	9.751	34.000	43.751	-21.827	65.578	QUASIPEAK
2		0.158	9.751	14.210	23.961	-31.617	55.578	AVERAGE
3		0.224	9.748	31.140	40.888	-21.774	62.661	QUASIPEAK
4		0.224	9.748	27.570	37.318	-15.344	52.661	AVERAGE
5	*	0.310	9.739	38.480	48.219	-11.747	59.966	QUASIPEAK
6		0.310	9.739	24.950	34.689	-15.277	49.966	AVERAGE
7		0.513	9.731	22.140	31.871	-24.129	56.000	QUASIPEAK
8		0.513	9.731	14.580	24.311	-21.689	46.000	AVERAGE
9		5.814	9.956	12.600	22.556	-37.444	60.000	QUASIPEAK
10		5.814	9.956	6.280	16.236	-33.764	50.000	AVERAGE
11		9.537	10.110	15.530	25.641	-34.359	60.000	QUASIPEAK
12		9.537	10.110	11.000	21.111	-28.889	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 : 2017/11/16**
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 1 802.11ac(80M)_5775MHz**

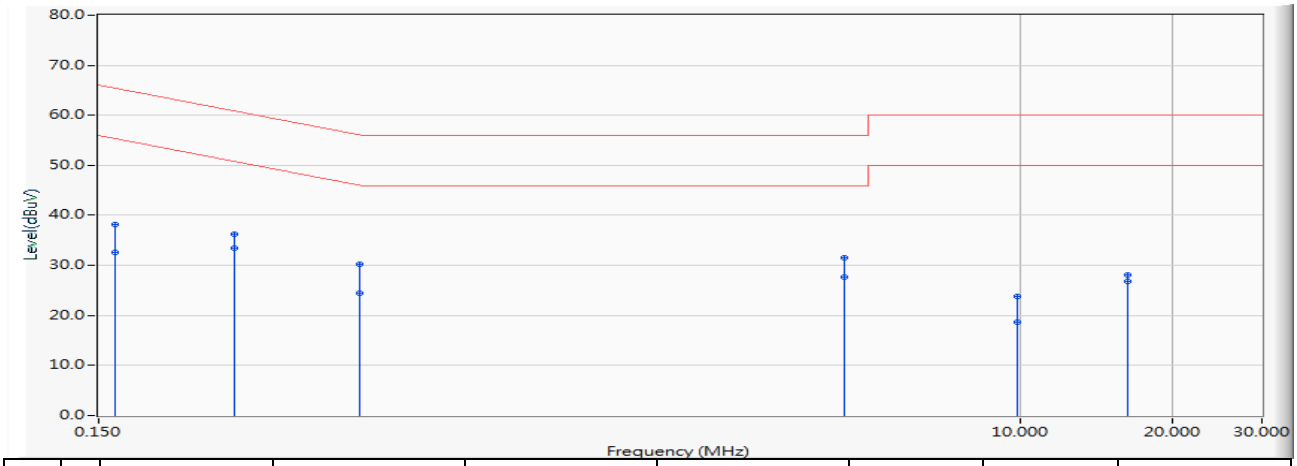


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.216	9.750	31.250	41.000	-21.956	62.956	QUASIPEAK
2		0.216	9.750	24.680	34.430	-18.526	52.956	AVERAGE
3	*	0.310	9.750	39.910	49.660	-10.306	59.966	QUASIPEAK
4		0.310	9.750	26.480	36.230	-13.736	49.966	AVERAGE
5		0.380	9.750	25.790	35.540	-22.729	58.269	QUASIPEAK
6		0.380	9.750	19.700	29.450	-18.819	48.269	AVERAGE
7		0.670	9.771	17.670	27.440	-28.560	56.000	QUASIPEAK
8		0.670	9.771	14.060	23.830	-22.170	46.000	AVERAGE
9		5.716	9.900	12.150	22.050	-37.950	60.000	QUASIPEAK
10		5.716	9.900	4.400	14.300	-35.700	50.000	AVERAGE
11		9.580	10.125	16.220	26.345	-33.655	60.000	QUASIPEAK
12		9.580	10.125	10.920	21.045	-28.955	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 : 2017/11/16**
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 2 802.11ac(80M)_5210MHz**

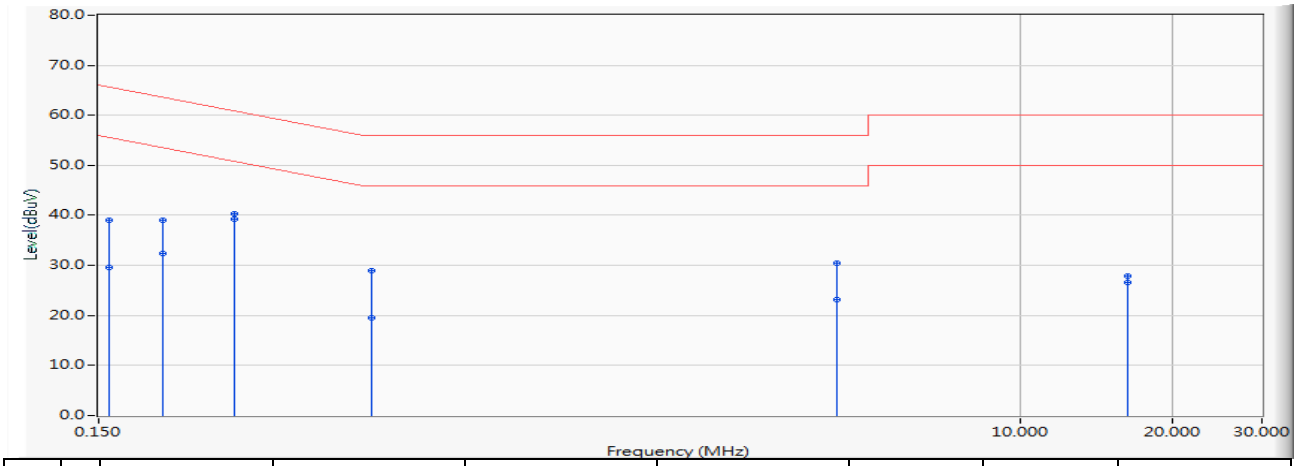


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.162	9.754	28.350	38.104	-27.271	65.375	QUASIPEAK
2		0.162	9.754	22.950	32.704	-22.671	55.375	AVERAGE
3		0.279	9.742	26.420	36.162	-24.686	60.848	QUASIPEAK
4	*	0.279	9.742	23.750	33.492	-17.356	50.848	AVERAGE
5		0.494	9.728	20.590	30.319	-25.786	56.104	QUASIPEAK
6		0.494	9.728	14.790	24.519	-21.586	46.104	AVERAGE
7		4.470	9.921	21.700	31.621	-24.379	56.000	QUASIPEAK
8		4.470	9.921	17.650	27.571	-18.429	46.000	AVERAGE
9		9.814	10.122	13.710	23.832	-36.168	60.000	QUASIPEAK
10		9.814	10.122	8.490	18.612	-31.388	50.000	AVERAGE
11		16.228	10.250	17.760	28.009	-31.991	60.000	QUASIPEAK
12		16.228	10.250	16.610	26.859	-23.141	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 : 2017/11/16**
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 2 802.11ac(80M)_5210MHz**

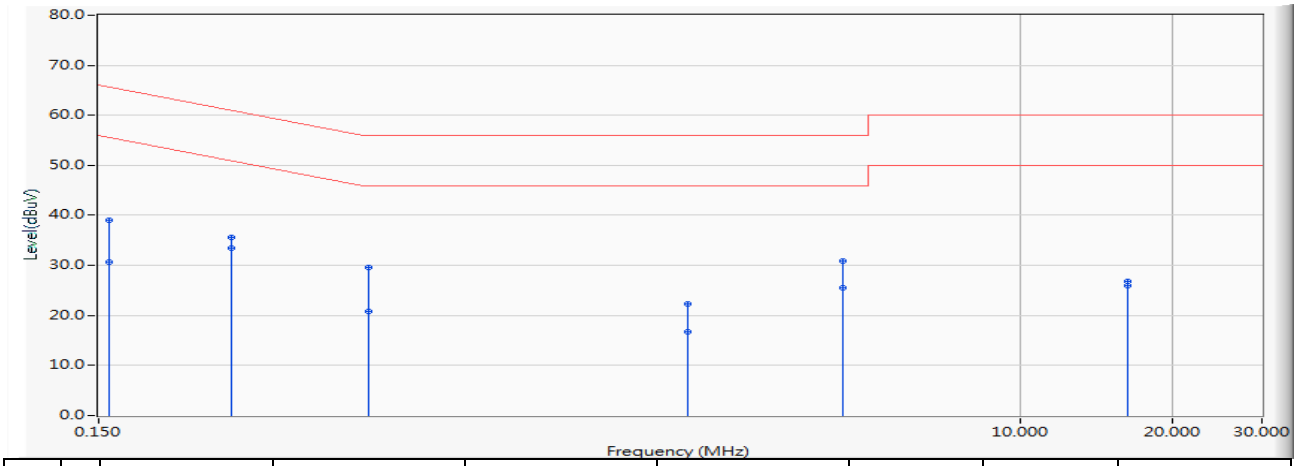


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.158	9.751	29.190	38.941	-26.637	65.578	QUASIPEAK
2		0.158	9.751	19.900	29.651	-25.927	55.578	AVERAGE
3		0.201	9.751	29.220	38.971	-24.608	63.578	QUASIPEAK
4		0.201	9.751	22.680	32.431	-21.148	53.578	AVERAGE
5		0.279	9.750	30.590	40.340	-20.508	60.848	QUASIPEAK
6	*	0.279	9.750	29.570	39.320	-11.528	50.848	AVERAGE
7		0.521	9.748	19.250	28.998	-27.002	56.000	QUASIPEAK
8		0.521	9.748	9.800	19.548	-26.452	46.000	AVERAGE
9		4.326	9.846	20.620	30.466	-25.534	56.000	QUASIPEAK
10		4.326	9.846	13.320	23.166	-22.834	46.000	AVERAGE
11		16.228	10.357	17.580	27.937	-32.063	60.000	QUASIPEAK
12		16.228	10.357	16.280	26.637	-23.363	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 : 2017/11/16**
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 2 802.11ac(80M)_5775MHz**

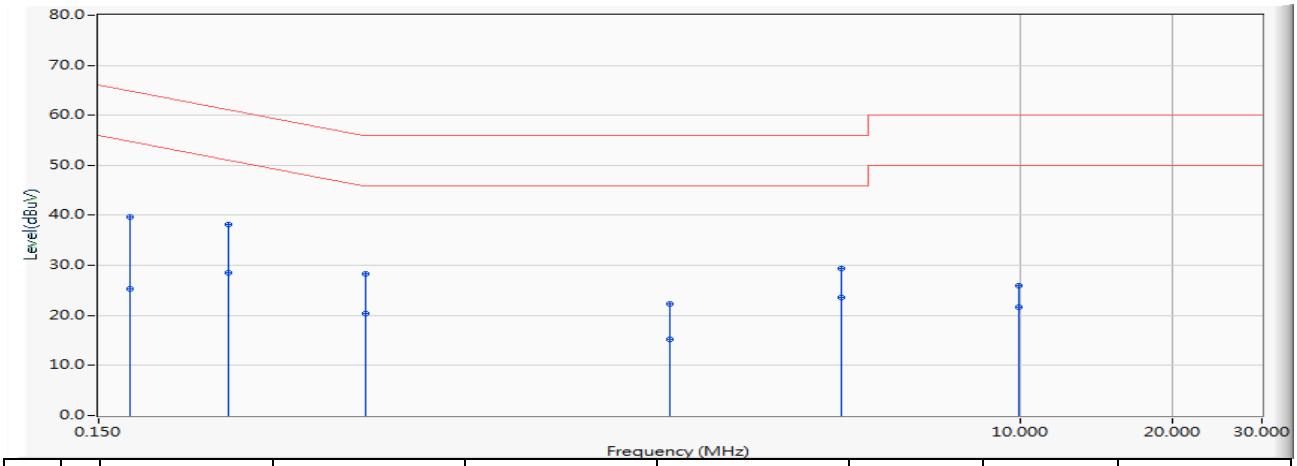


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.158	9.751	29.370	39.121	-26.457	65.578	QUASIPEAK
2		0.158	9.751	20.960	30.711	-24.867	55.578	AVERAGE
3		0.275	9.742	25.840	35.582	-25.383	60.966	QUASIPEAK
4	*	0.275	9.742	23.750	33.492	-17.473	50.966	AVERAGE
5		0.513	9.731	19.880	29.611	-26.389	56.000	QUASIPEAK
6		0.513	9.731	11.060	20.791	-25.209	46.000	AVERAGE
7		2.201	9.866	12.520	22.386	-33.614	56.000	QUASIPEAK
8		2.201	9.866	6.780	16.646	-29.354	46.000	AVERAGE
9		4.439	9.921	21.060	30.981	-25.019	56.000	QUASIPEAK
10		4.439	9.921	15.690	25.611	-20.389	46.000	AVERAGE
11		16.228	10.250	16.650	26.899	-33.101	60.000	QUASIPEAK
12		16.228	10.250	15.760	26.009	-23.991	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 : 2017/11/16**
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 2 802.11ac(80M)_5775MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.173	9.753	29.950	39.703	-25.091	64.794	QUASIPEAK
2		0.173	9.753	15.560	25.313	-29.481	54.794	AVERAGE
3		0.271	9.750	28.350	38.100	-22.984	61.084	QUASIPEAK
4		0.271	9.750	18.710	28.460	-22.624	51.084	AVERAGE
5		0.505	9.747	18.550	28.297	-27.703	56.000	QUASIPEAK
6		0.505	9.747	10.640	20.387	-25.613	46.000	AVERAGE
7		2.021	9.850	12.480	22.330	-33.670	56.000	QUASIPEAK
8		2.021	9.850	5.480	15.330	-30.670	46.000	AVERAGE
9		4.404	9.847	19.580	29.427	-26.573	56.000	QUASIPEAK
10	*	4.404	9.847	13.840	23.687	-22.313	46.000	AVERAGE
11		9.939	10.146	15.870	26.016	-33.984	60.000	QUASIPEAK
12		9.939	10.146	11.530	21.676	-28.324	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. 99% & DTS Bandwidth

3.1. Test Equipment

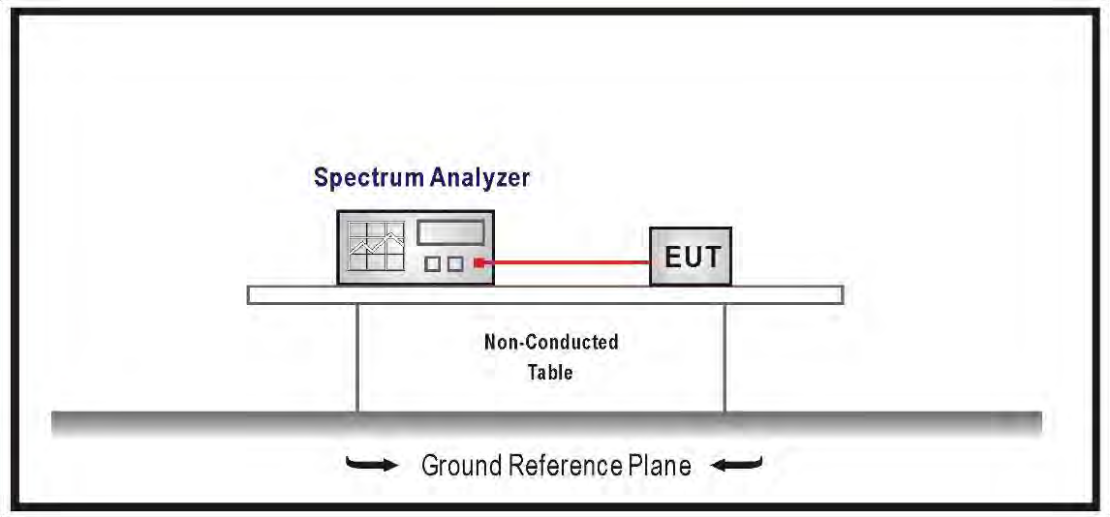
The following test equipment are used during the radiated emission tests:

99% & DTS Bandwidth / 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

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

3.2. Test Setup



3.3. Limits

99% & 26dB Bandwidth : No Required

6dB Bandwidth ≧ 500KHz

3.4. Test Procedure

99% & 26dB Bandwidth :
The EUT was tested according to U-NII test procedure of KDB 789033.D02 V01r03
Set RBW 1% of the emission bandwidth, VBW equal to 3 times the RBW.
DTS Bandwidth :
Set RBW = 100KHz, VBW≧3xRBW, Sweep time=Auto, Set Peak detector.

3.5. Uncertainty

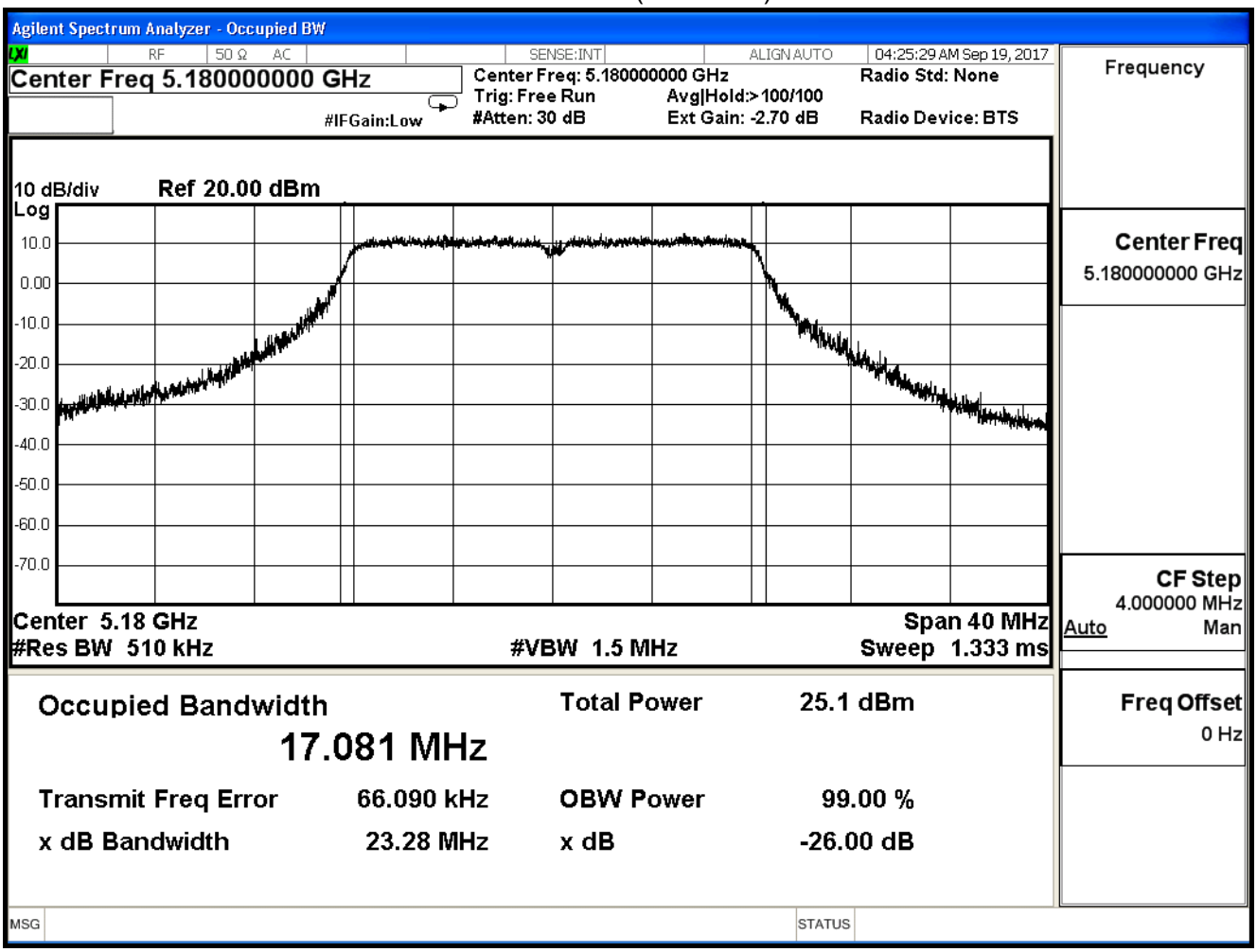
The measurement uncertainty is defined as ±150Hz

3.6. Test Result

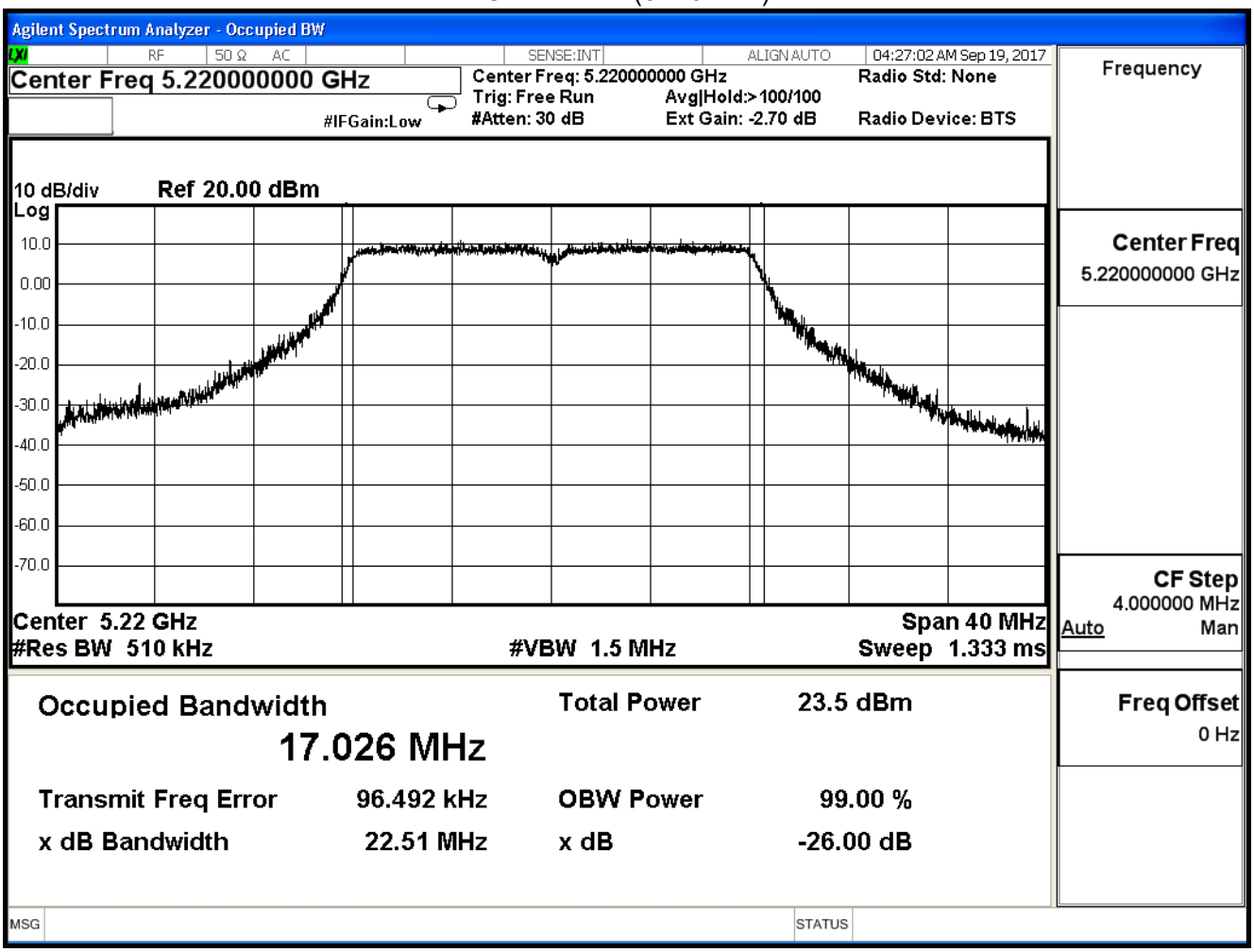
Product	Gigabit Broadband Router		
Test Item	99% Bandwidth		
Test Mode	Mode 1: TX CDD_ ADP 1		
Date of Test	2017/09/19	Test Site	SR10-H

IEEE 802.11a (ANT0)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
36	5180	17.081	--
44	5220	17.026	--
48	5240	17.123	--

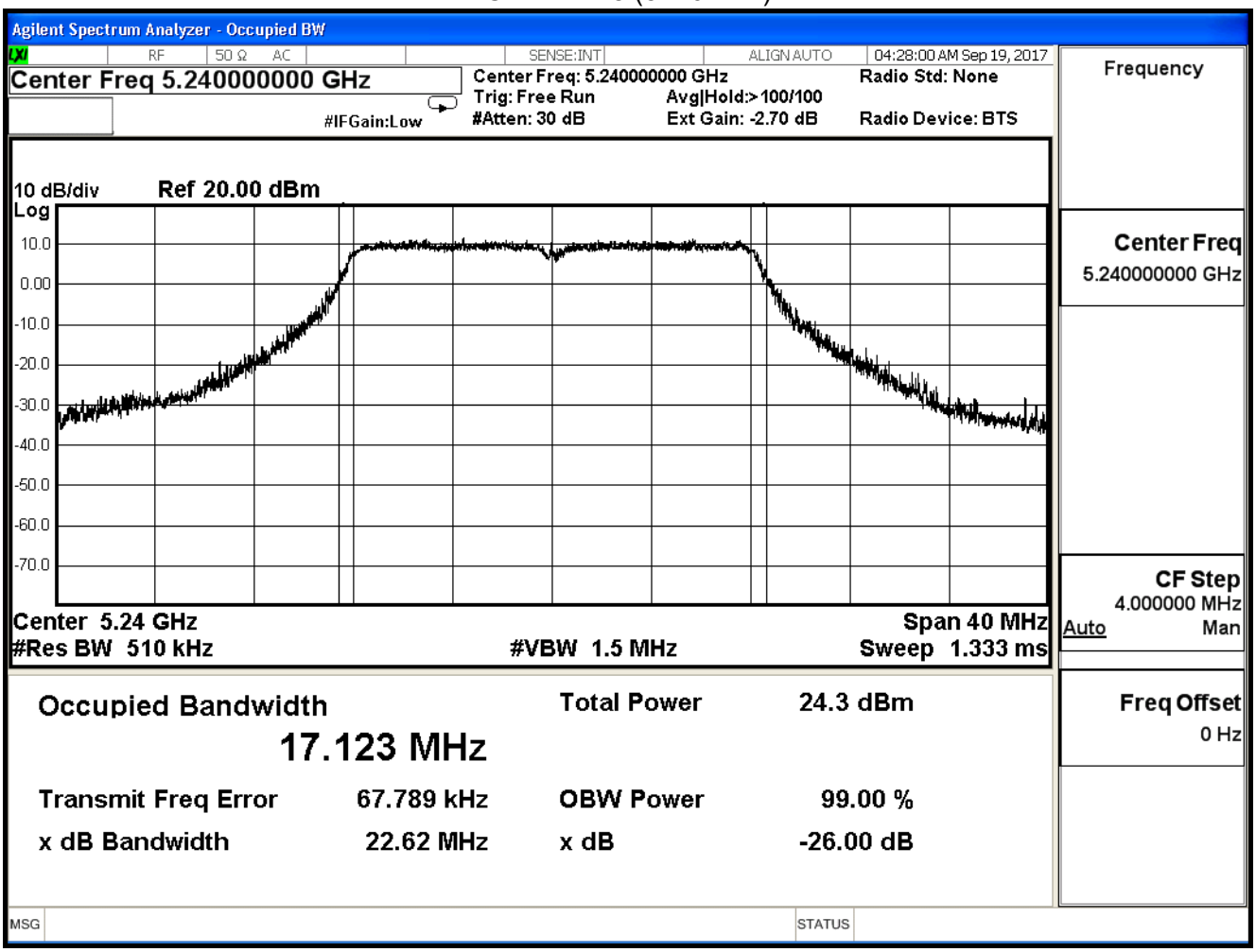
Channel 36 (5180MHz)



Channel 44 (5220MHz)



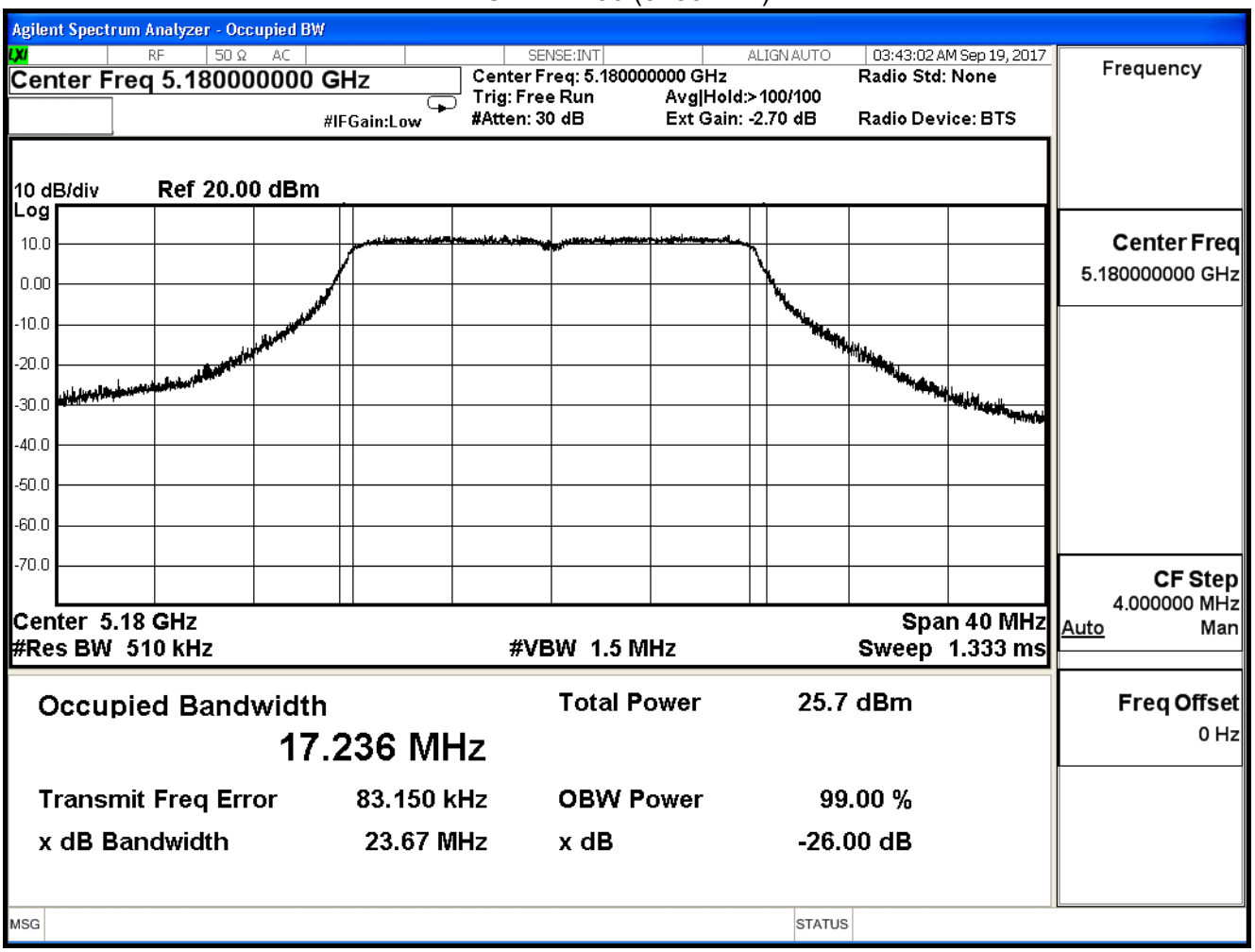
Channel 48 (5240MHz)



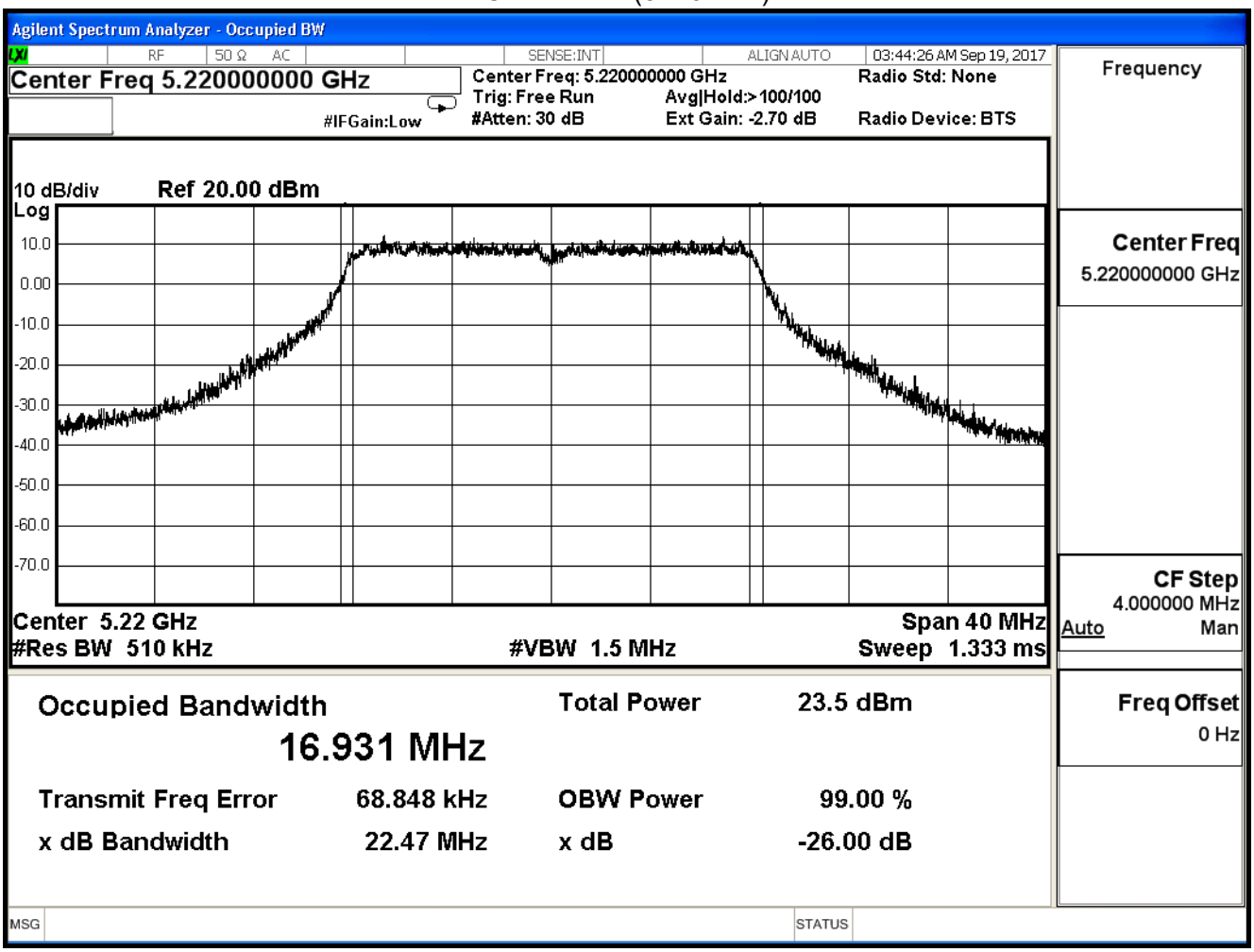
Product	Gigabit Broadband Router		
Test Item	99% Bandwidth		
Test Mode	Mode 1: TX CDD_ ADP 1		
Date of Test	2017/09/19	Test Site	SR10-H

IEEE 802.11a (ANT1)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
36	5180	17.236	--
44	5220	16.931	--
48	5240	16.933	--

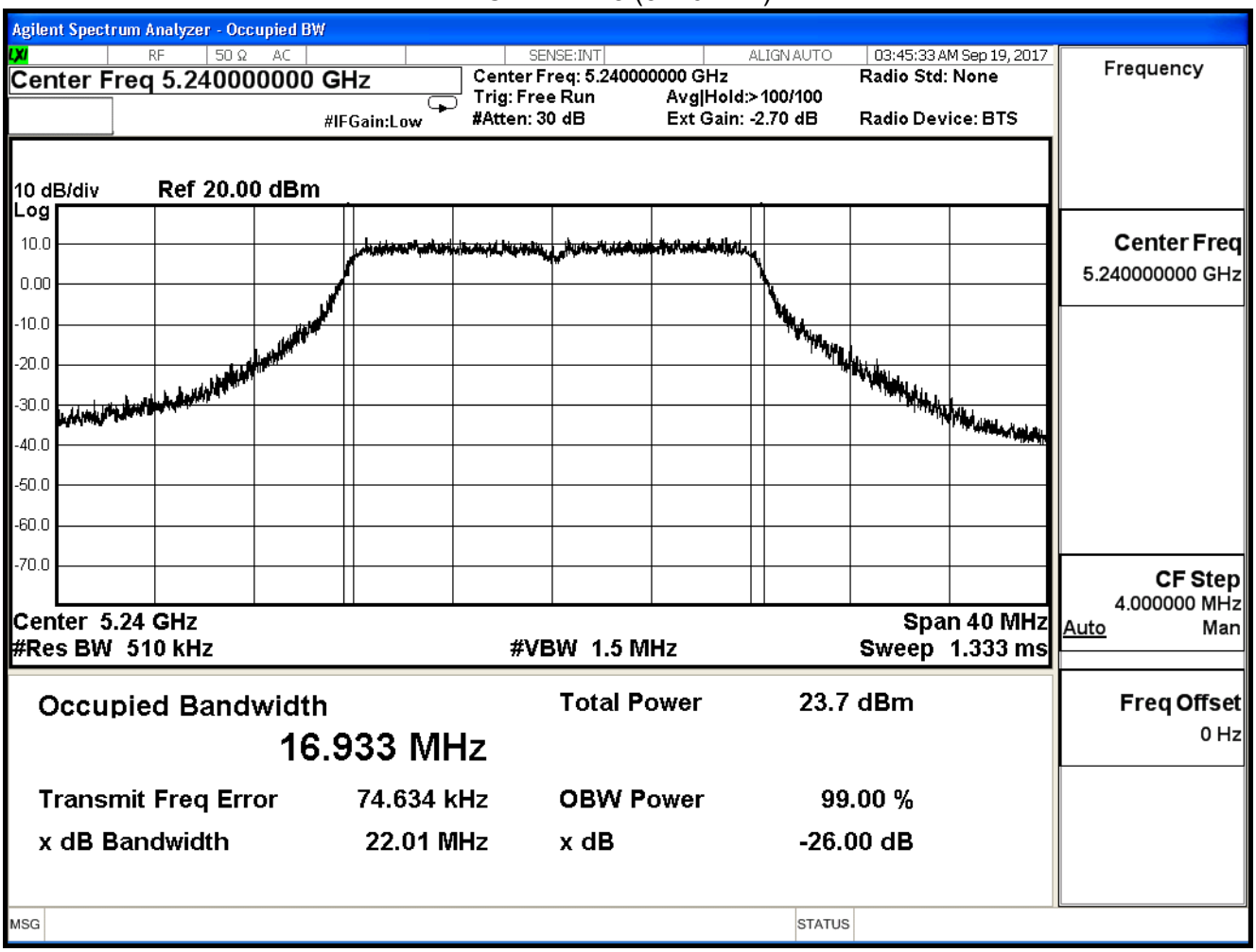
Channel 36 (5180MHz)



Channel 44 (5220MHz)



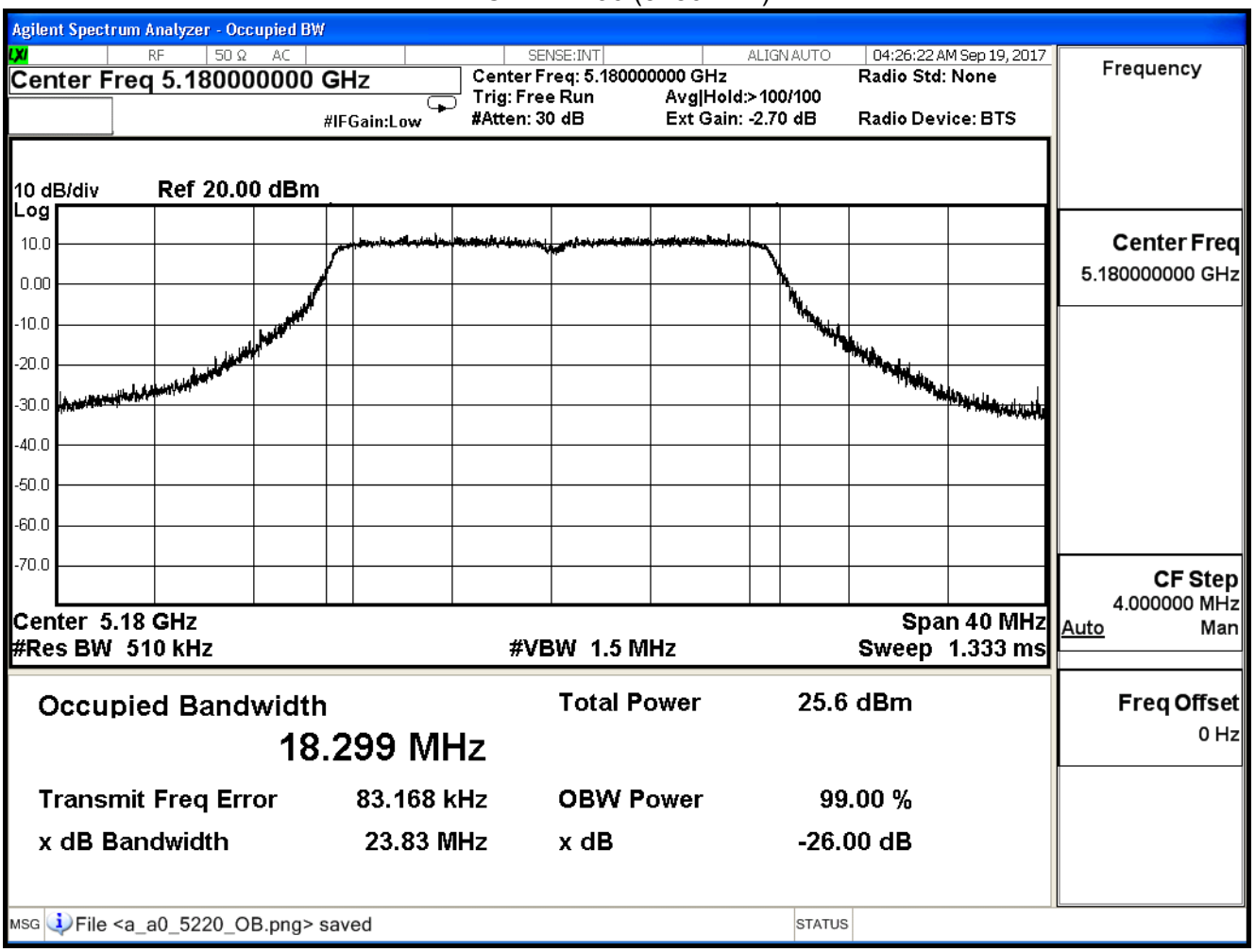
Channel 48 (5240MHz)



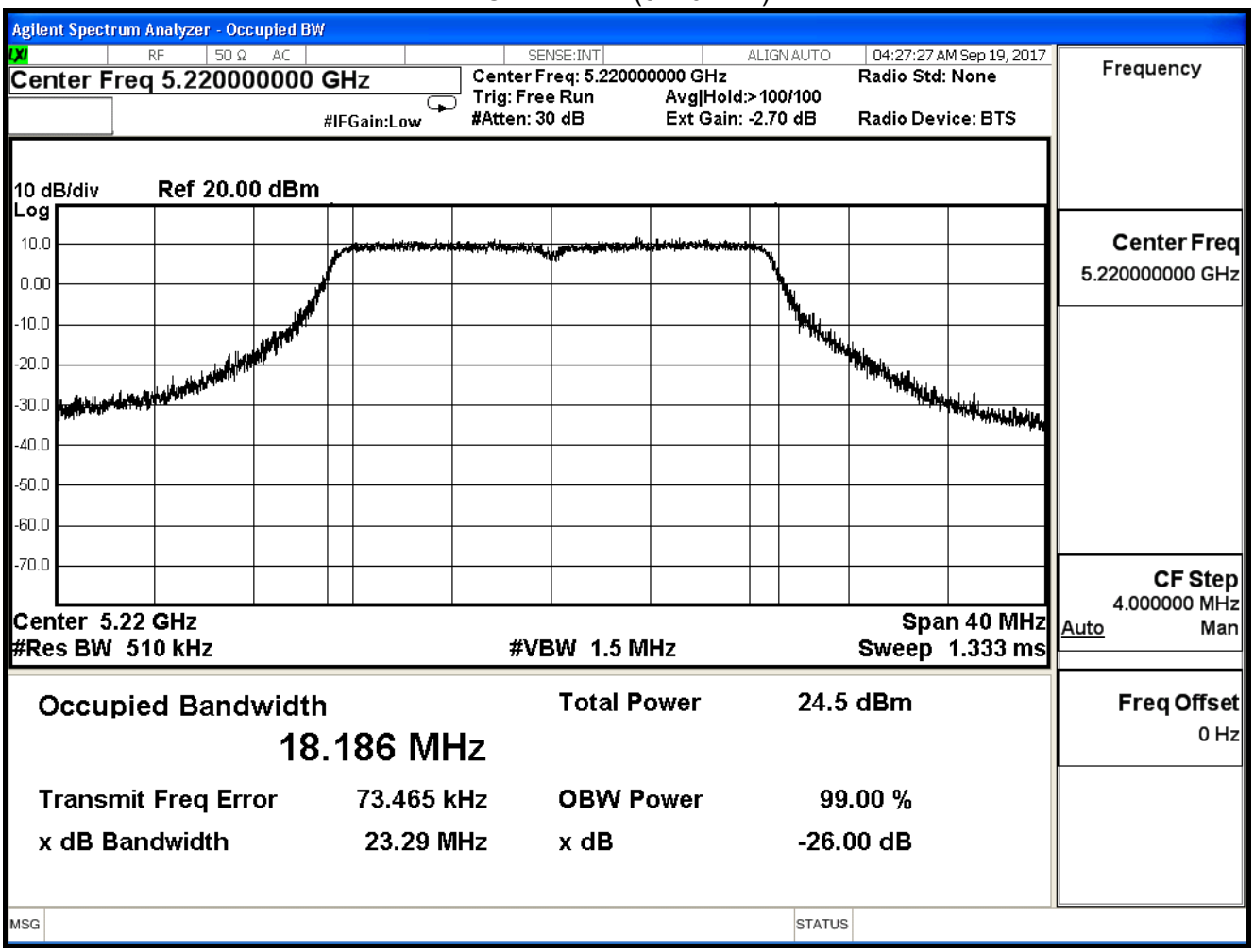
Product	Gigabit Broadband Router		
Test Item	99% Bandwidth		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/09/19	Test Site	SR10-H

IEEE 802.11n(20MHz) (ANT0)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
36	5180	18.299	--
44	5220	18.186	--
48	5240	18.182	--

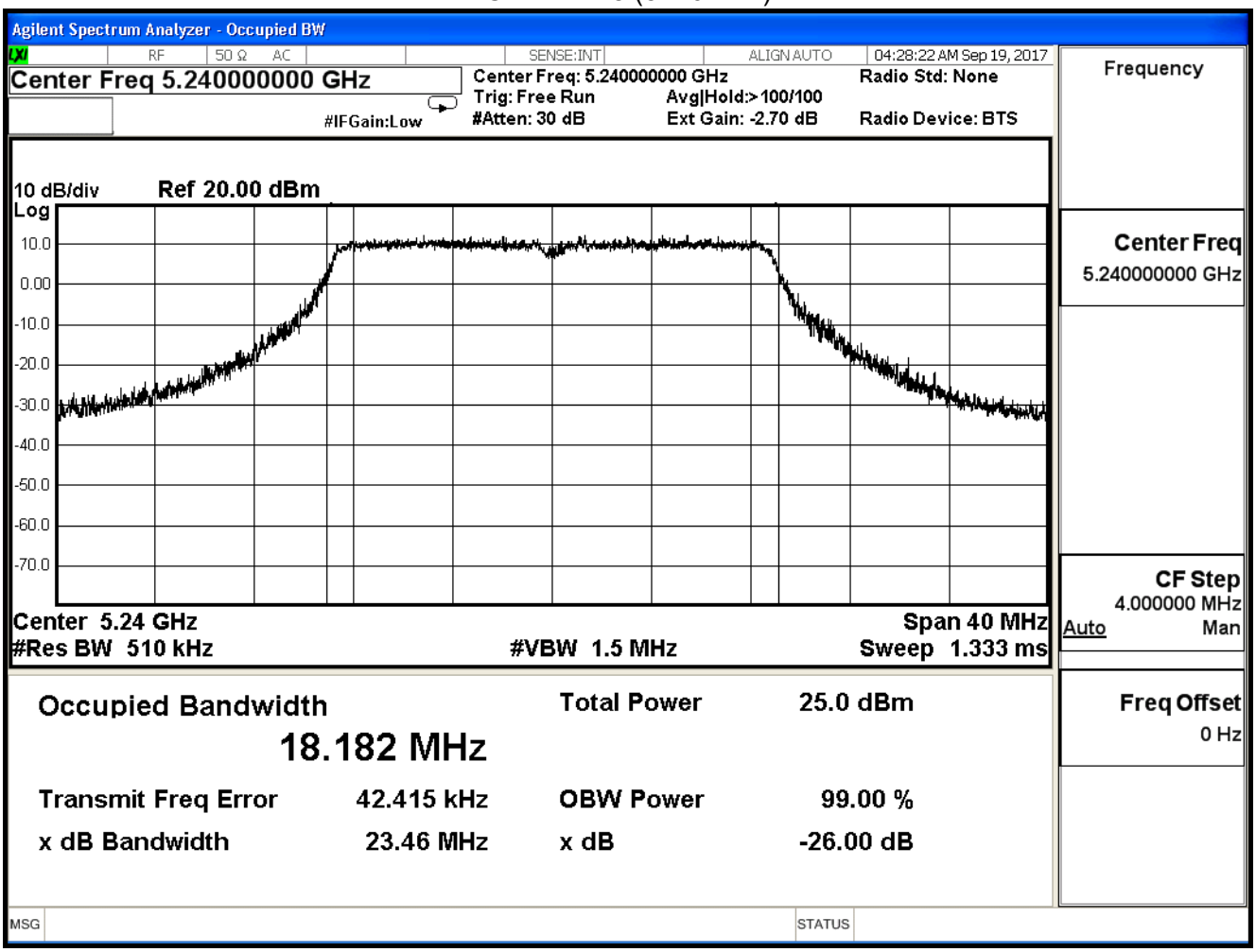
Channel 36 (5180MHz)



Channel 44 (5220MHz)



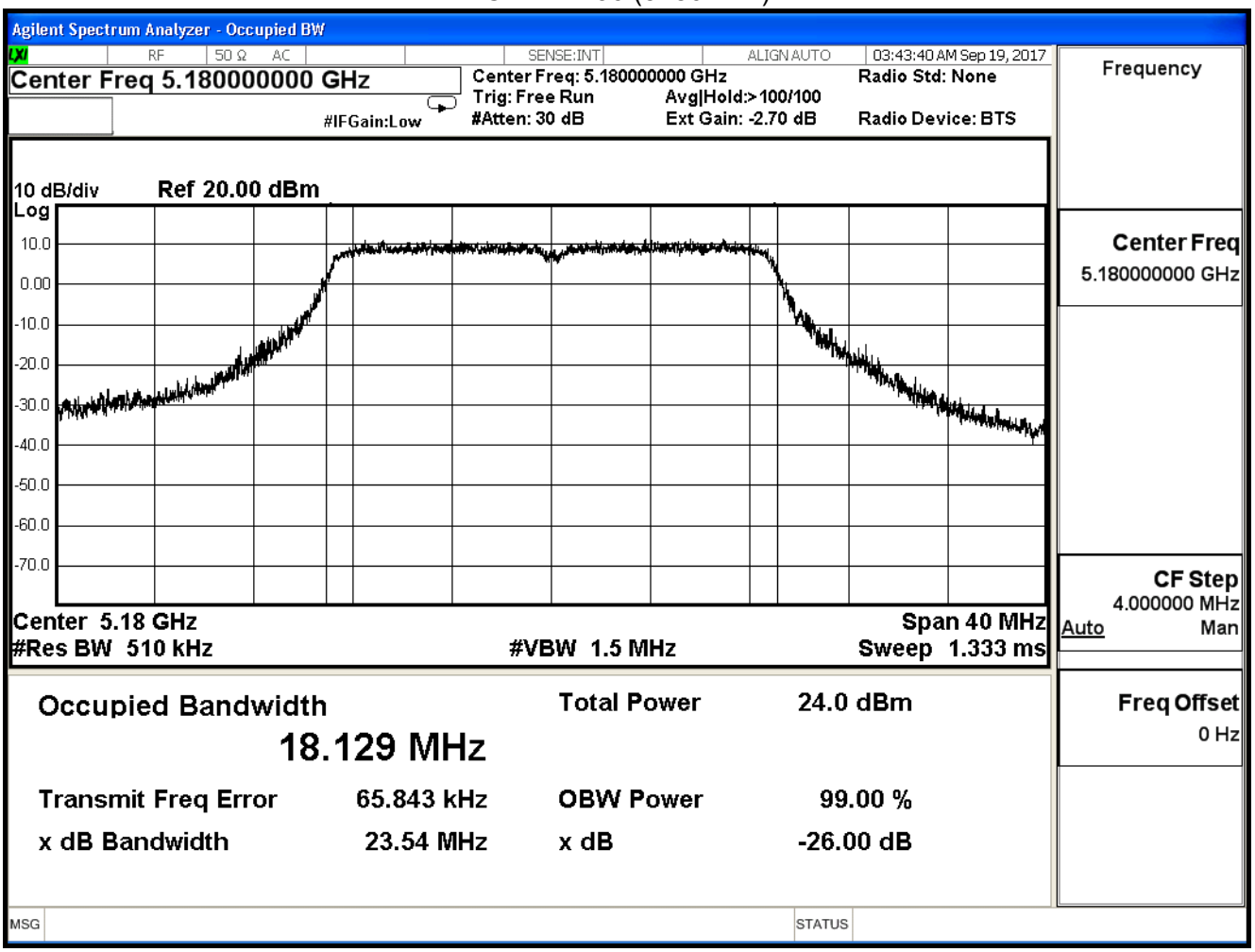
Channel 48 (5240MHz)



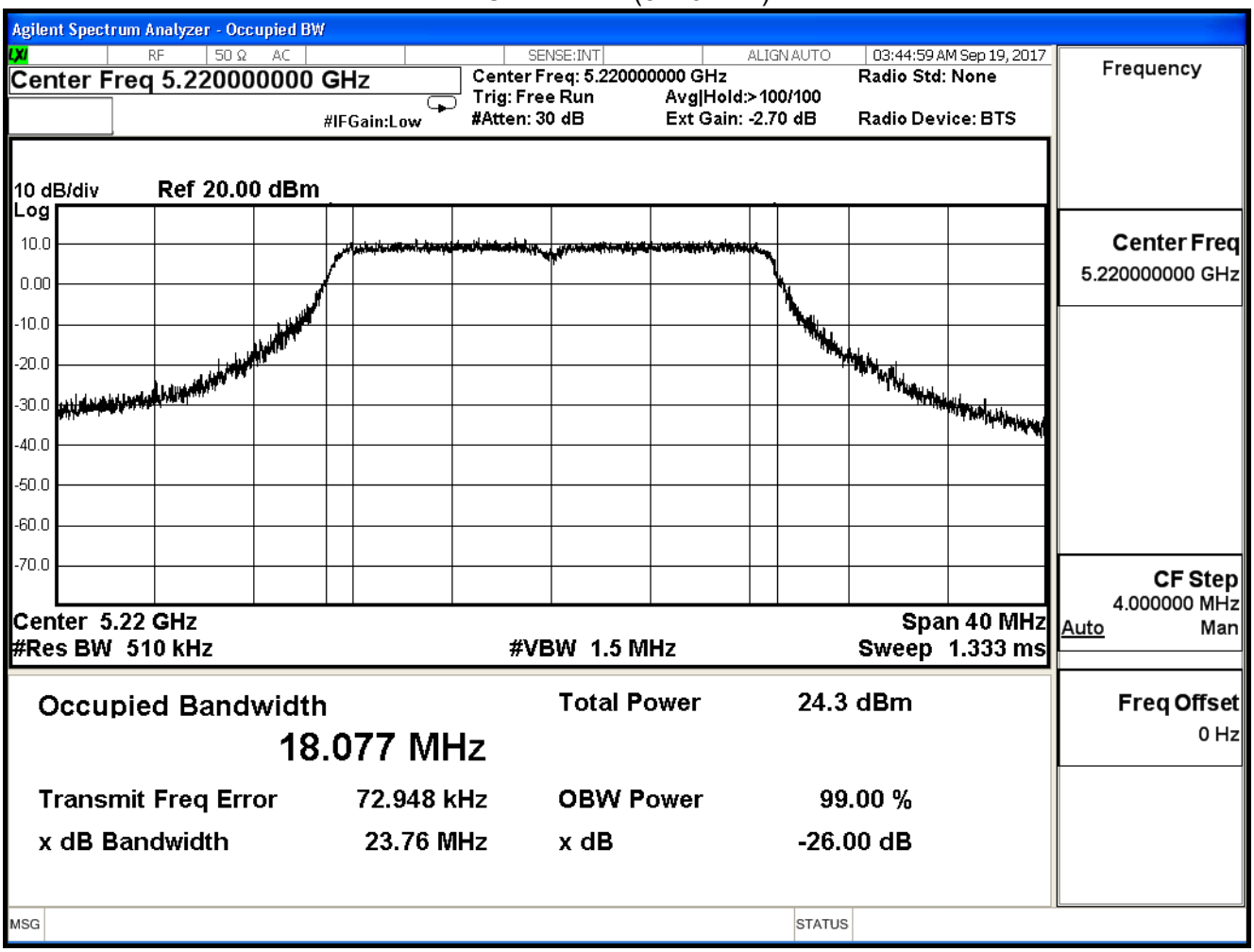
Product	Gigabit Broadband Router		
Test Item	99% Bandwidth		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/09/19	Test Site	SR10-H

IEEE 802.11n(20MHz) (ANT1)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
36	5180	18.129	--
44	5220	18.077	--
48	5240	18.125	--

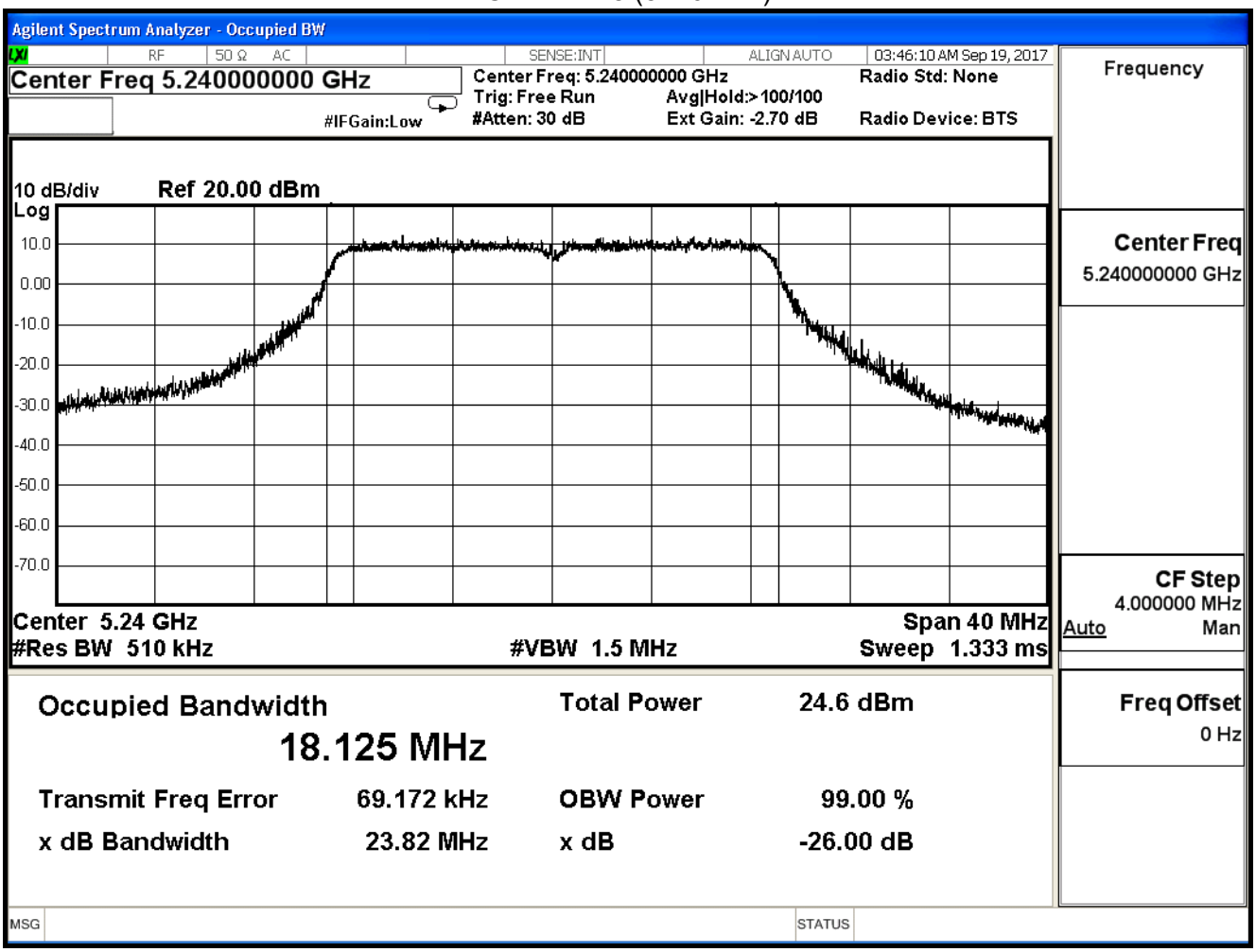
Channel 36 (5180MHz)



Channel 44 (5220MHz)



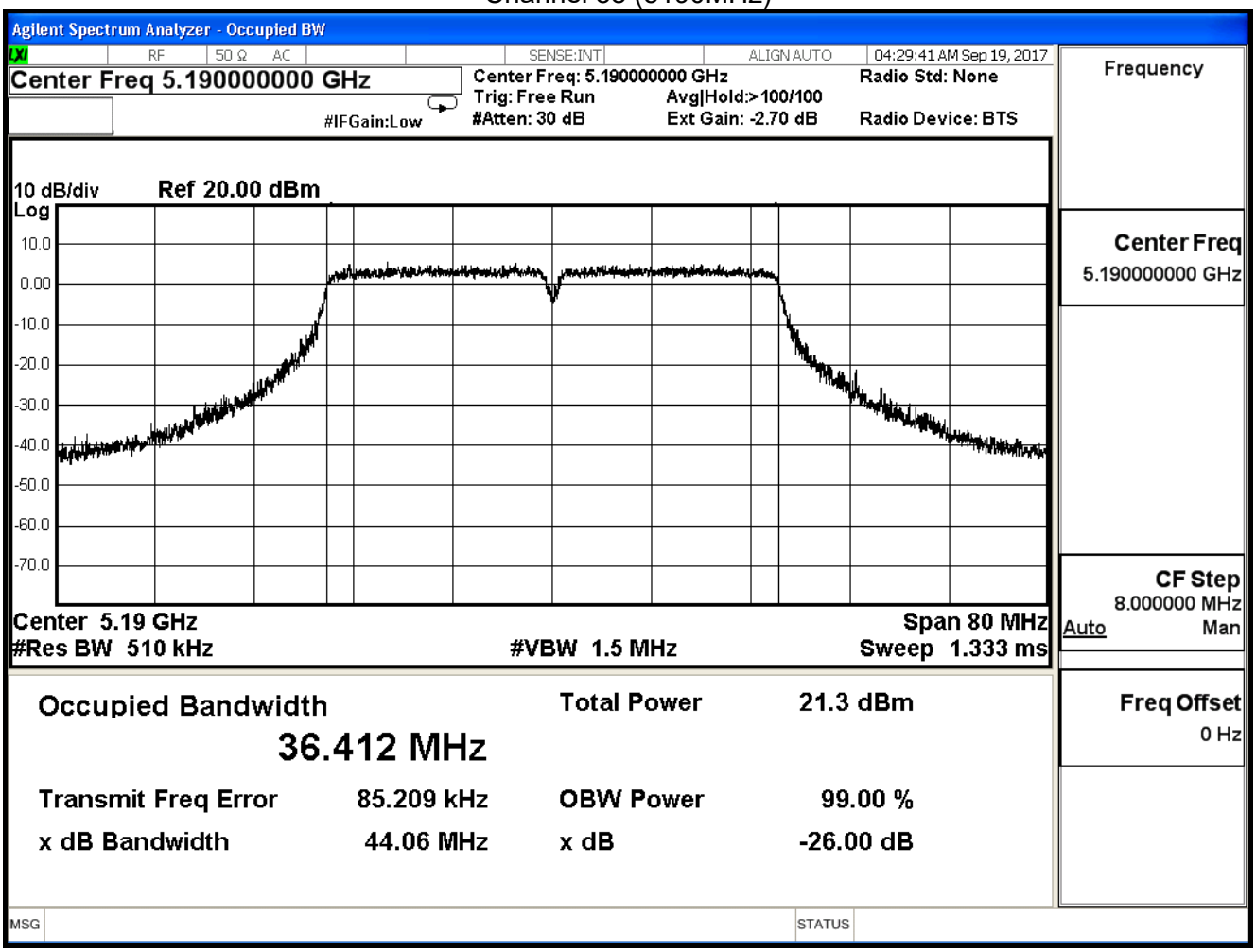
Channel 48 (5240MHz)



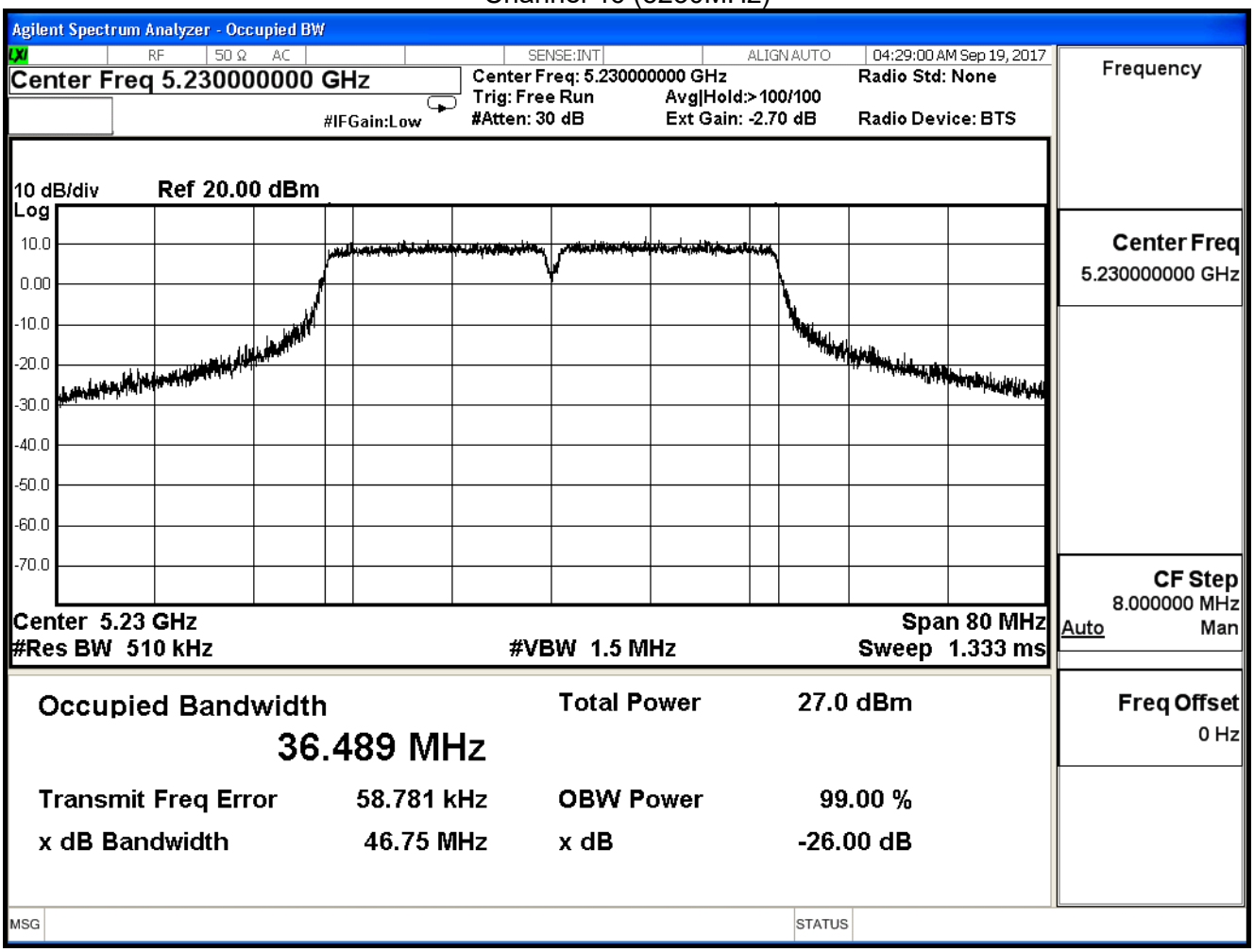
Product	Gigabit Broadband Router		
Test Item	99% Bandwidth		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/09/19	Test Site	SR10-H

IEEE 802.11n(40MHz) (ANT0)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
38	5190	36.412	--
46	5230	36.489	--

Channel 38 (5190MHz)



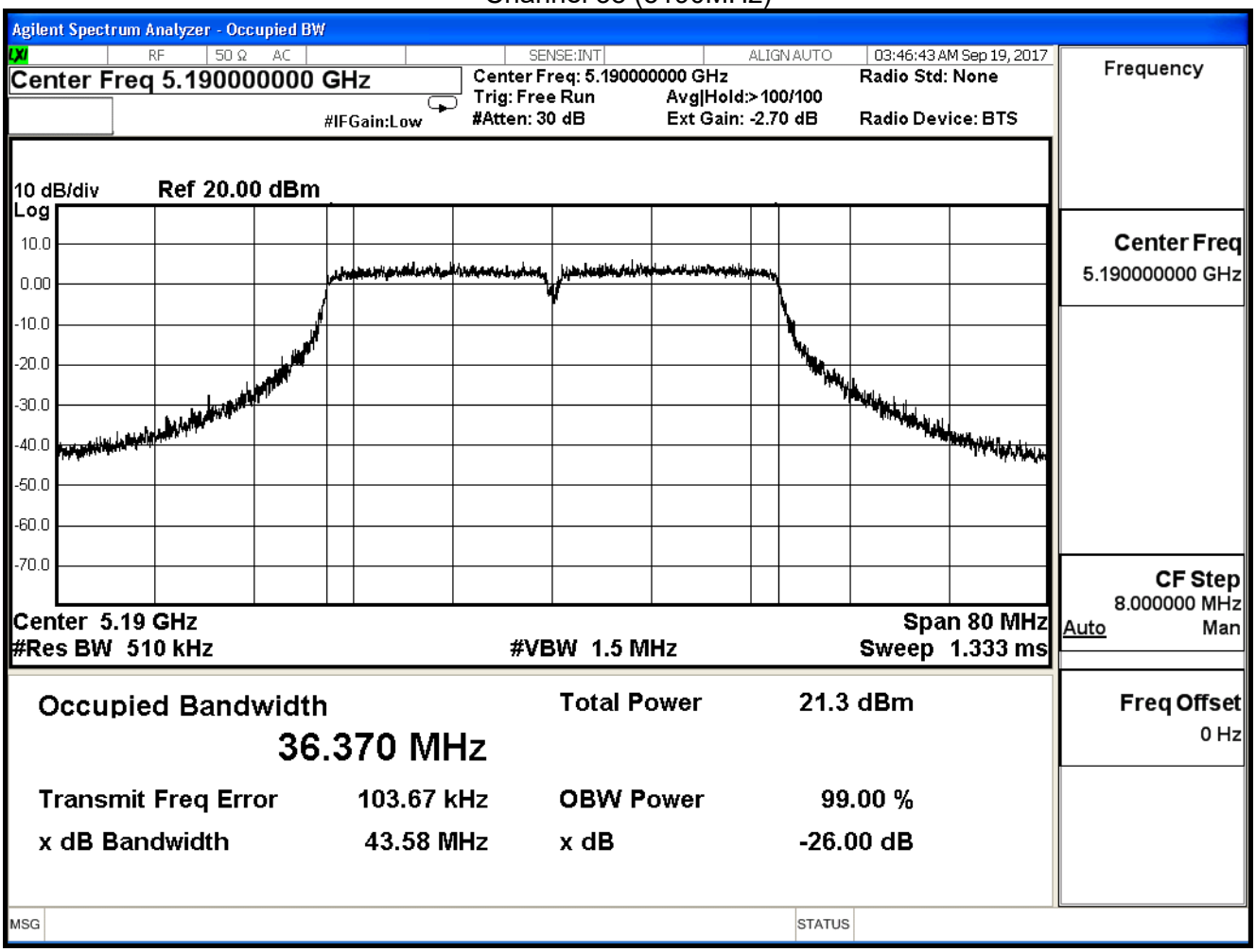
Channel 46 (5230MHz)



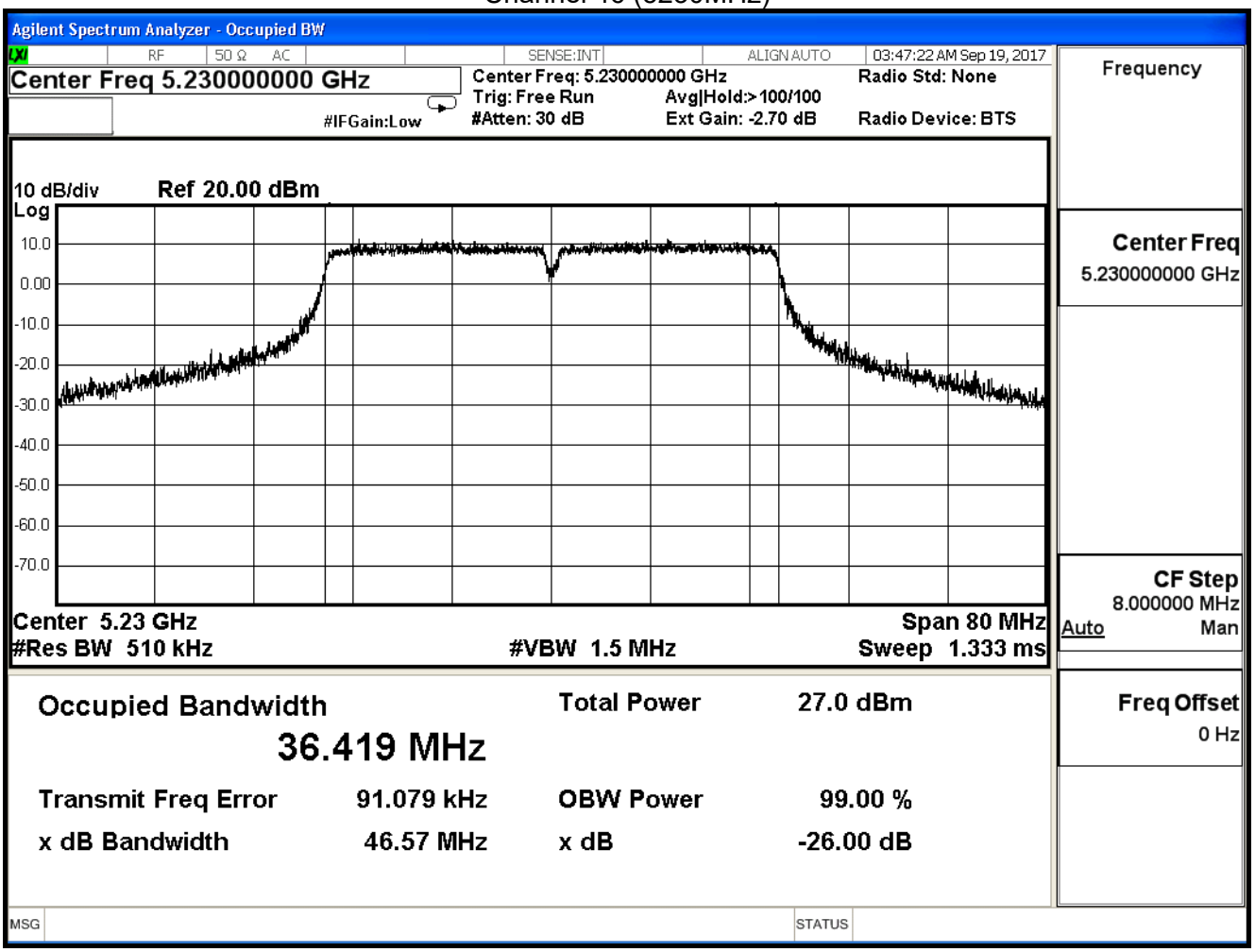
Product	Gigabit Broadband Router		
Test Item	99% Bandwidth		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/09/19	Test Site	SR10-H

IEEE 802.11n(40MHz) (ANT1)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
38	5190	36.370	--
46	5230	36.419	--

Channel 38 (5190MHz)



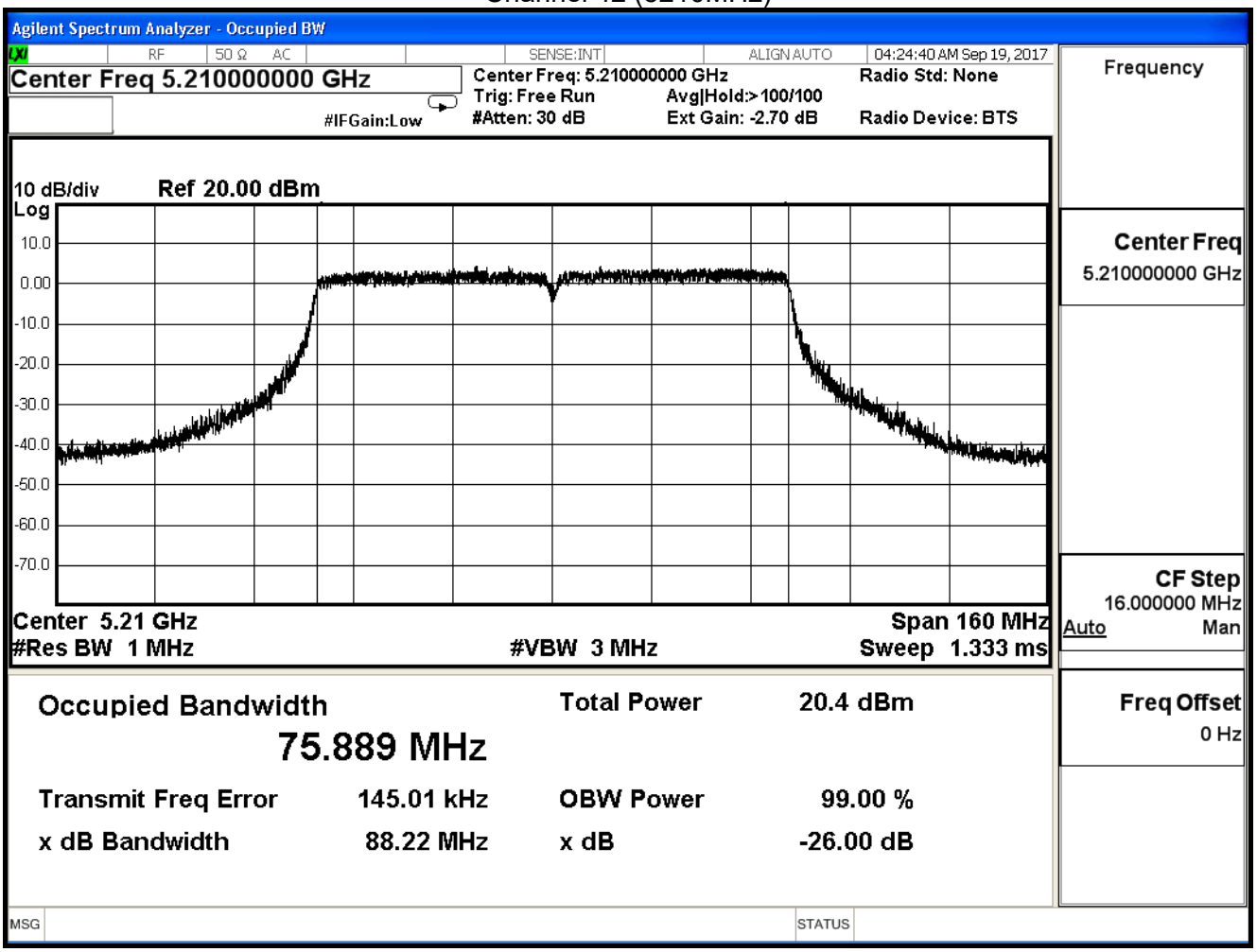
Channel 46 (5230MHz)



Product	Gigabit Broadband Router		
Test Item	99% Bandwidth		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/09/19	Test Site	SR10-H

IEEE802.11ac(80MHz) (ANT0)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
42	5210	75.889	--

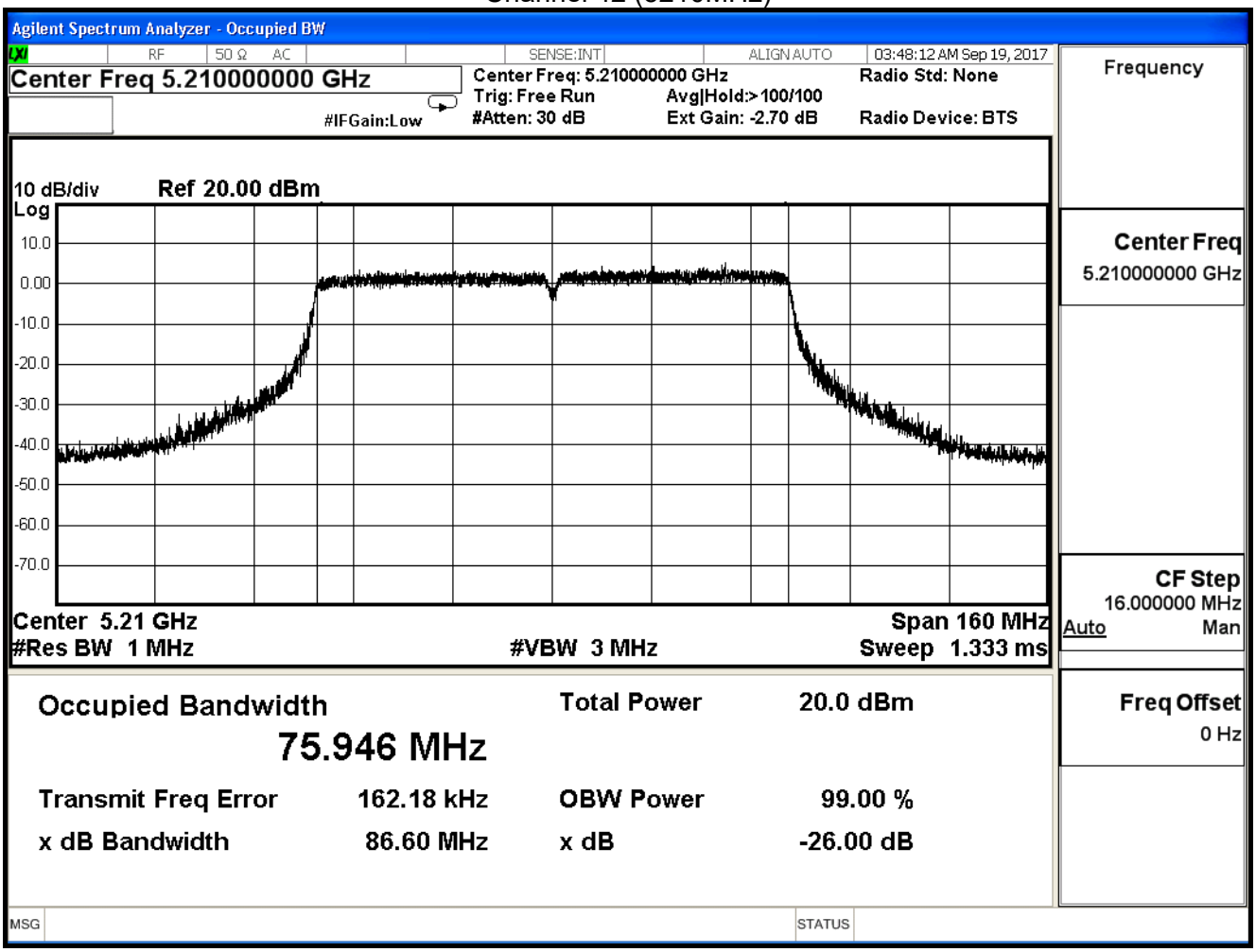
Channel 42 (5210MHz)



Product	Gigabit Broadband Router		
Test Item	99% Bandwidth		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/09/19	Test Site	SR10-H

IEEE802.11ac(80MHz) (ANT1)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
42	5210	75.946	--

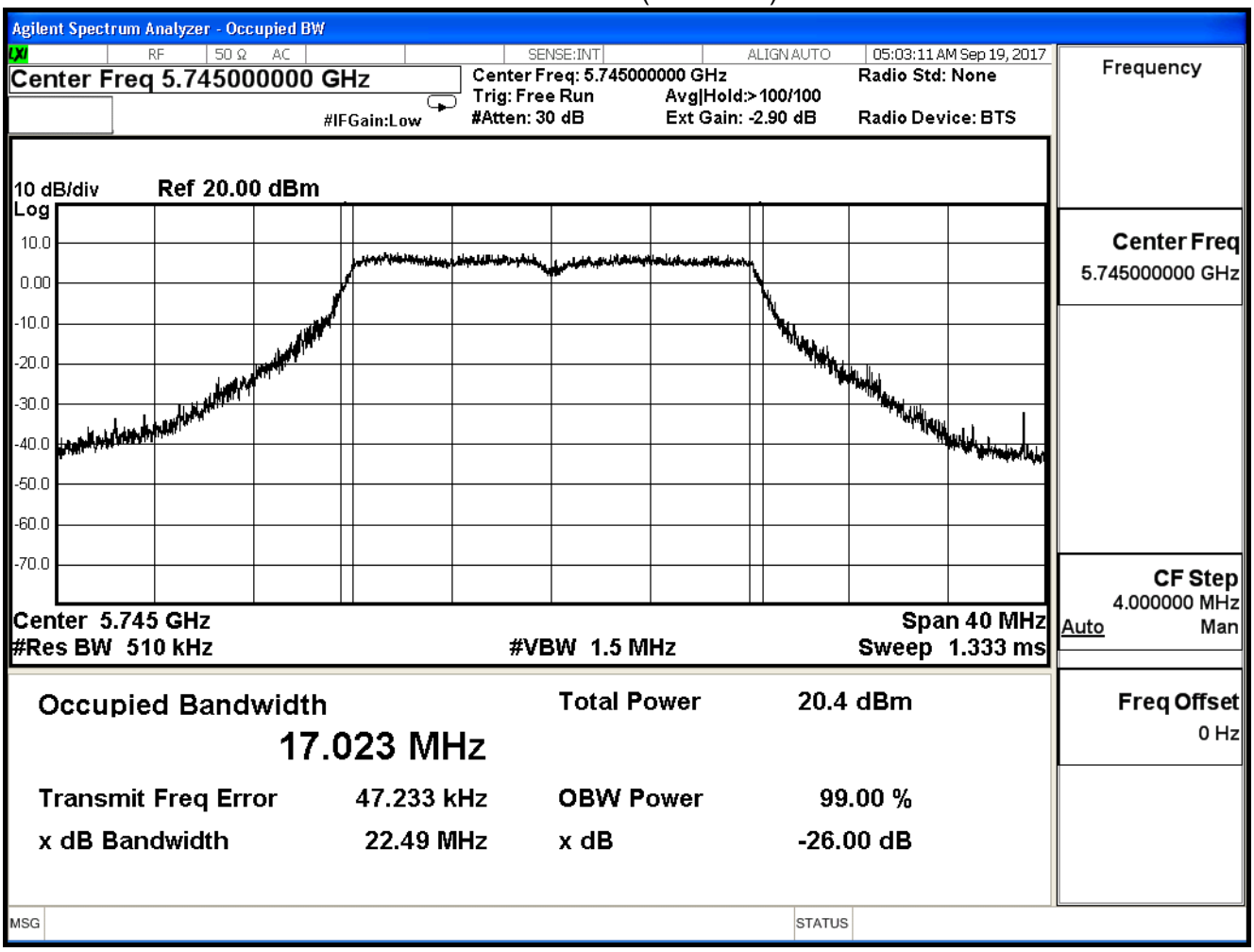
Channel 42 (5210MHz)



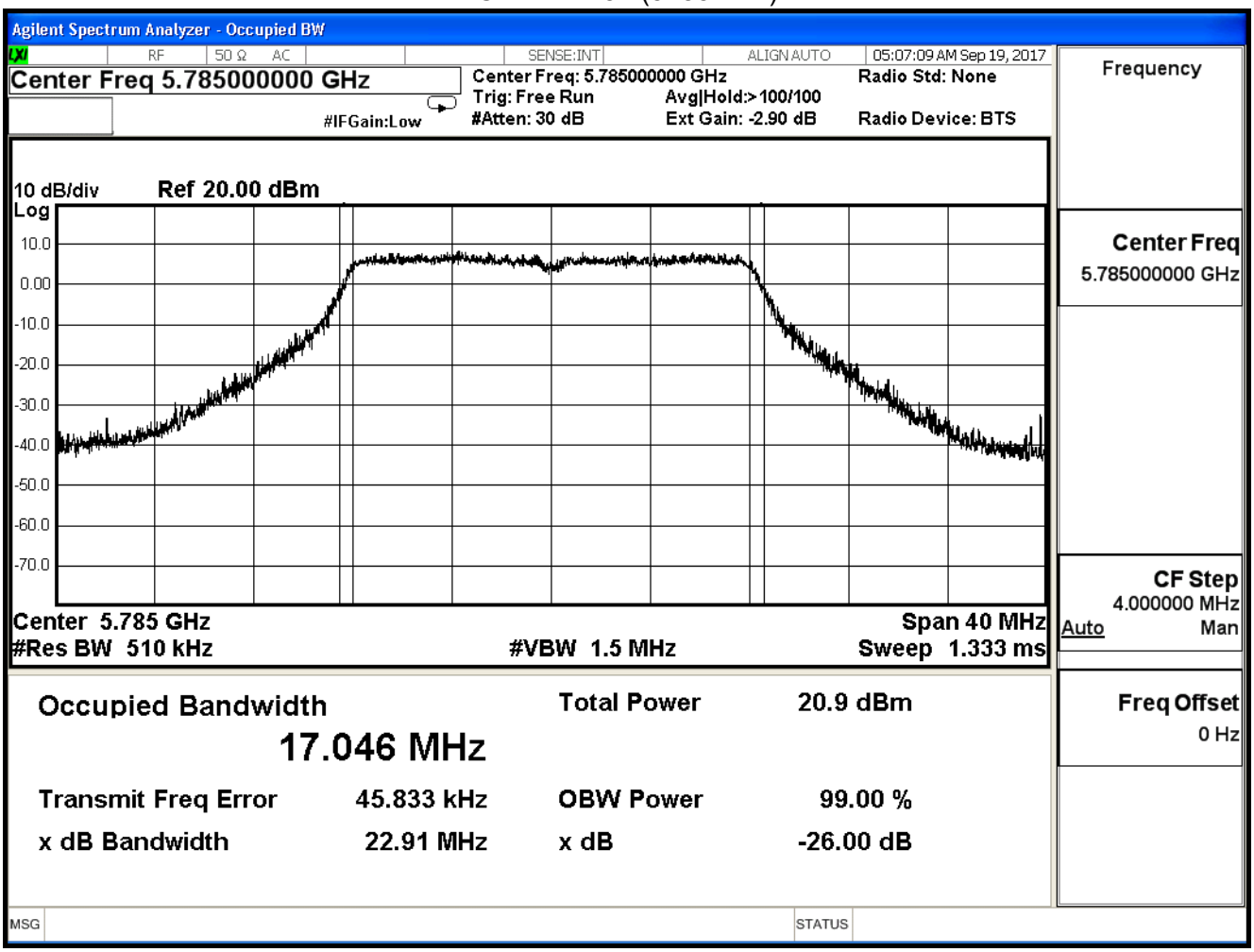
Product	Gigabit Broadband Router		
Test Item	99% Bandwidth		
Test Mode	Mode 1: TX CDD_ADP 1		
Date of Test	2017/09/19	Test Site	SR10-H

802.11a (ANT0)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
149	5745	17.023	--
157	5785	17.046	--
165	5825	17.145	--

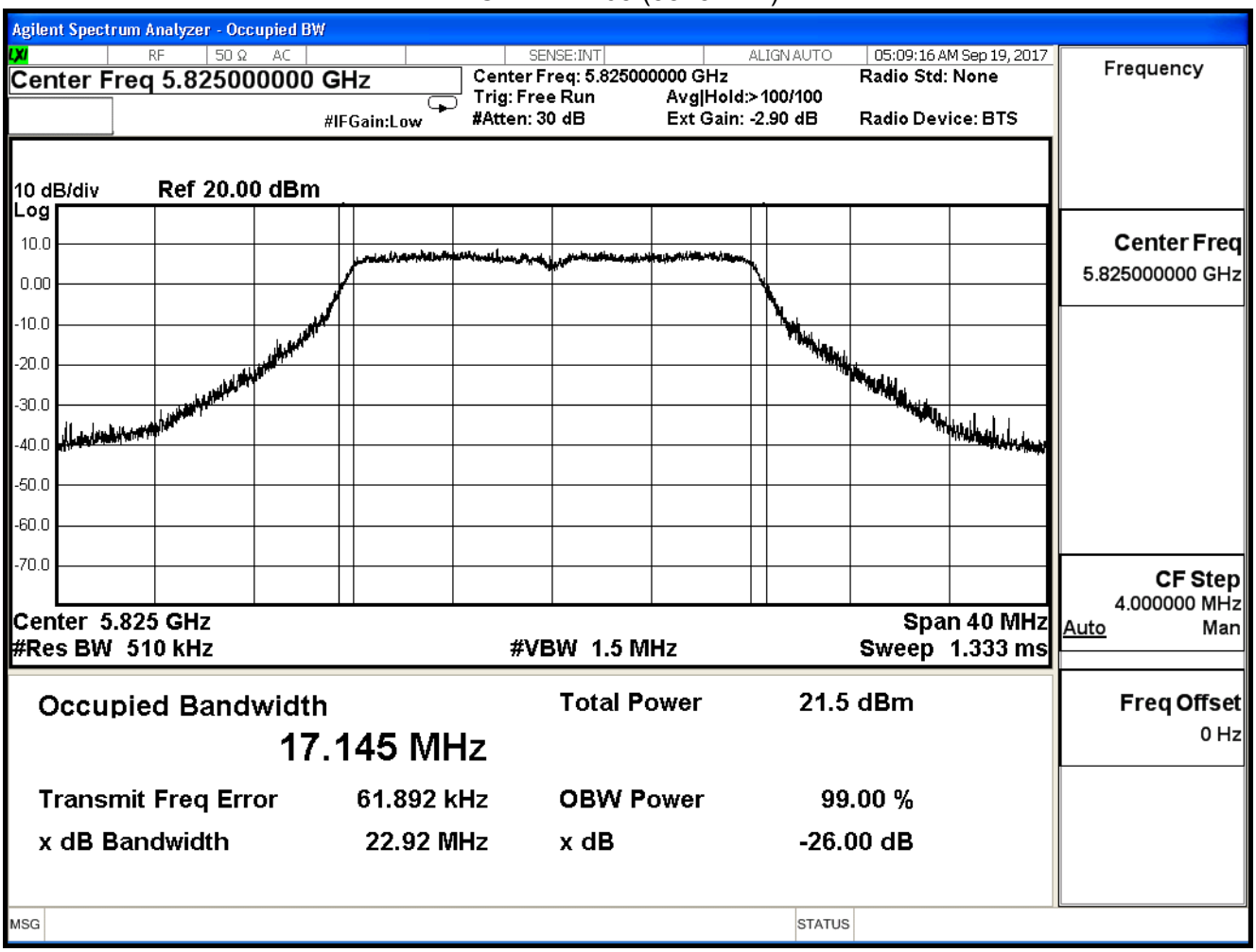
Channel 149 (5745MHz)



Channel 157 (5785MHz)



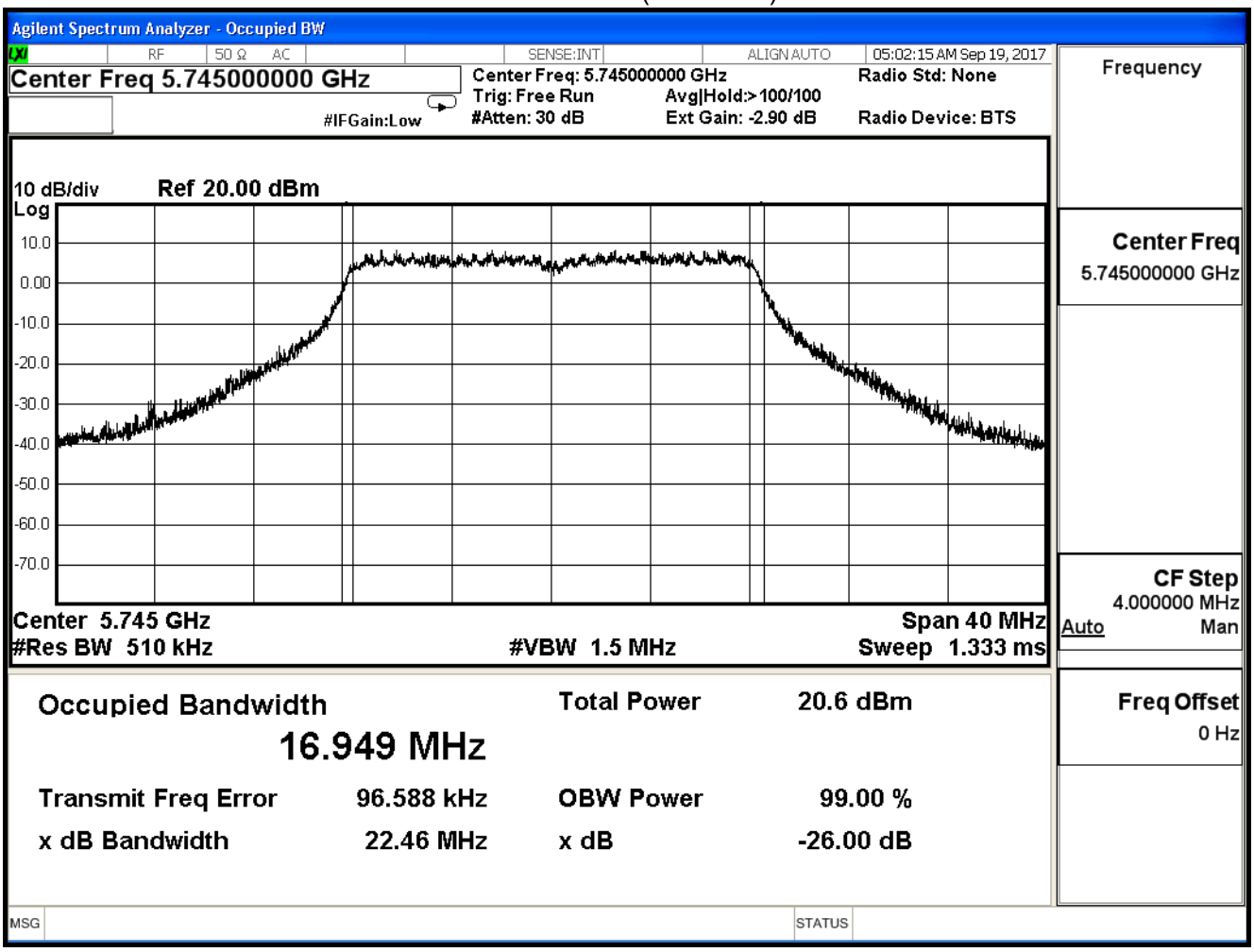
Channel 165 (5825MHz)



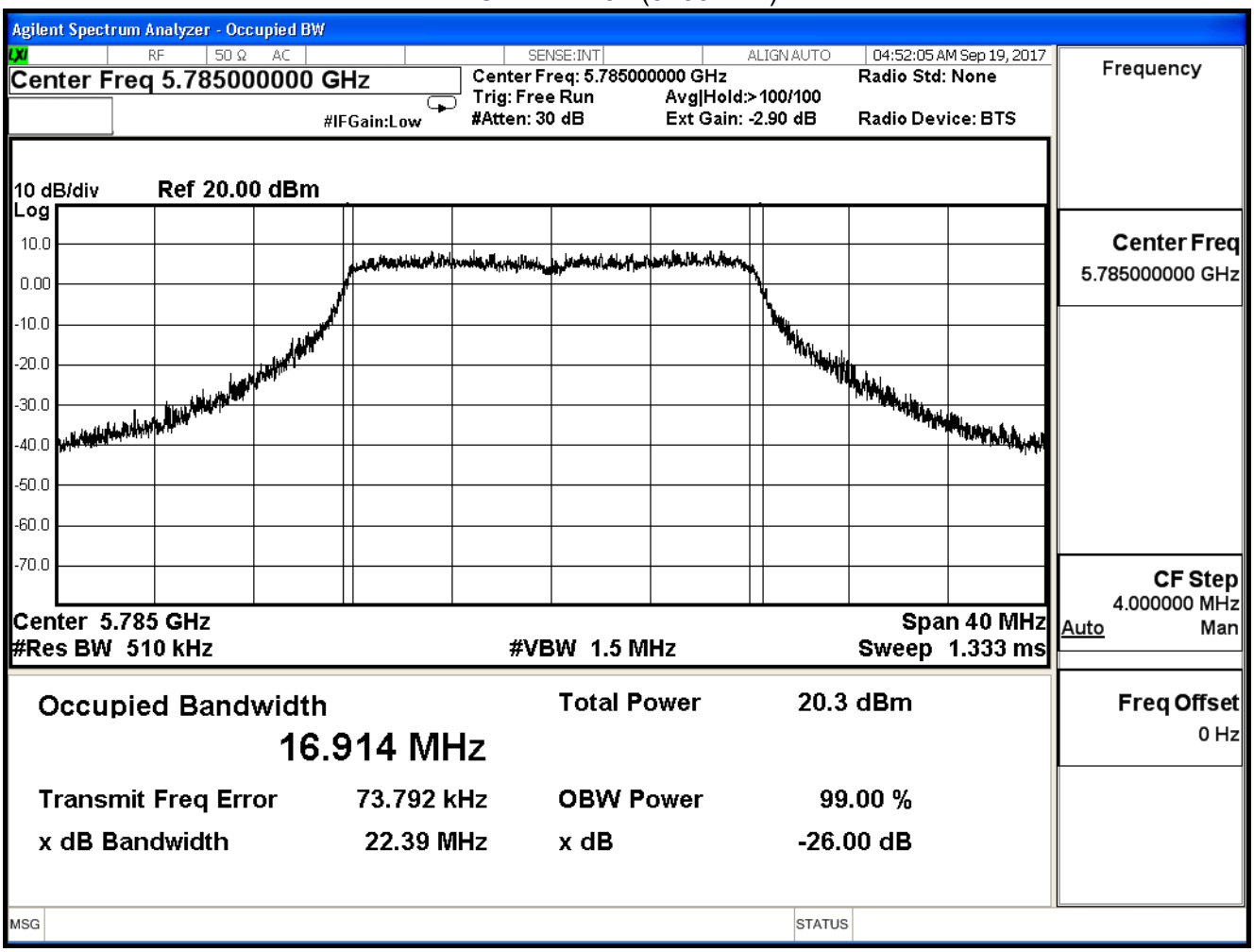
Product	Gigabit Broadband Router		
Test Item	99% Bandwidth		
Test Mode	Mode 1: TX CDD_ADP 1		
Date of Test	2017/09/19	Test Site	SR10-H

802.11a (ANT1)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
149	5745	16.949	--
157	5785	16.914	--
165	5825	16.933	--

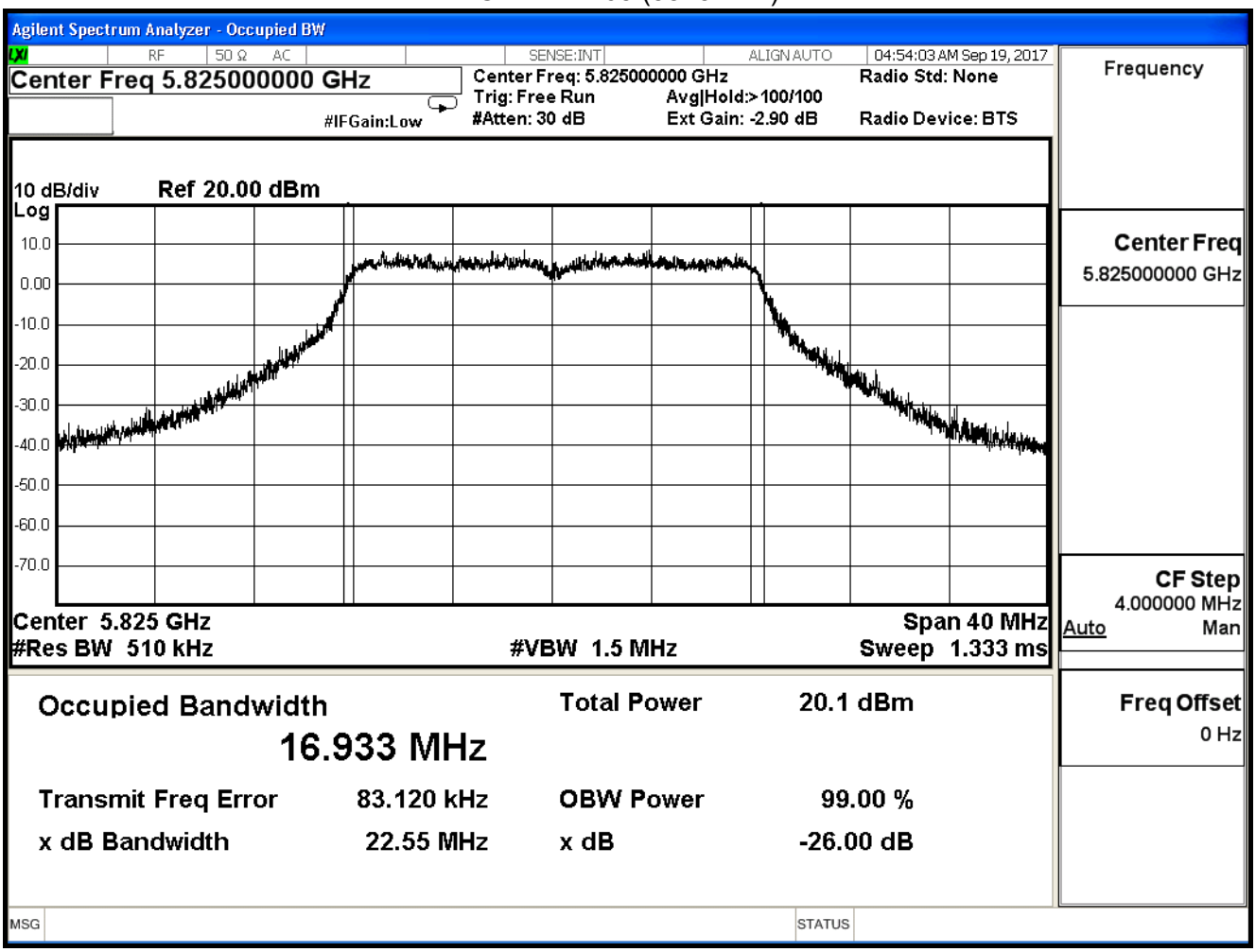
Channel 149 (5745MHz)



Channel 157 (5785MHz)



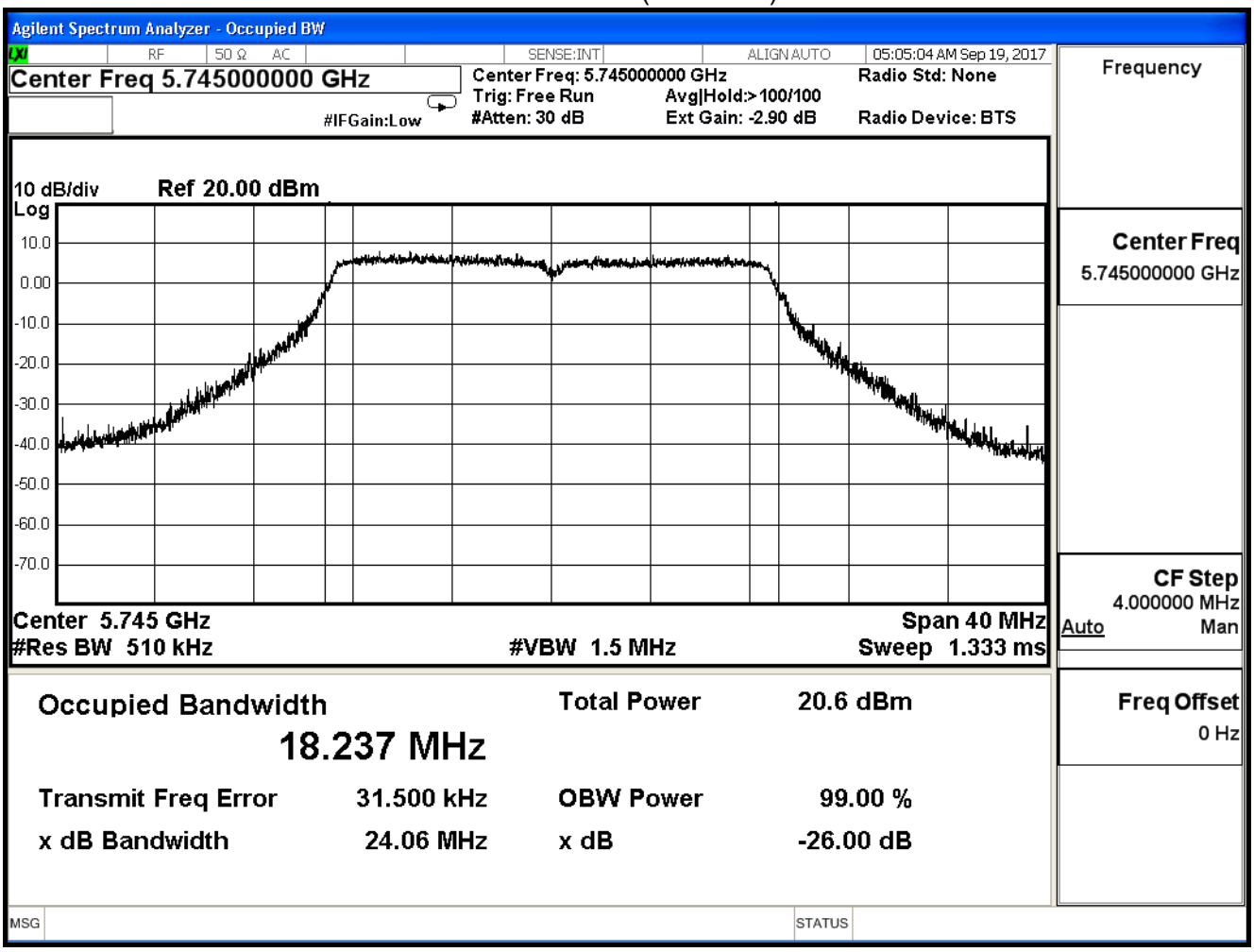
Channel 165 (5825MHz)



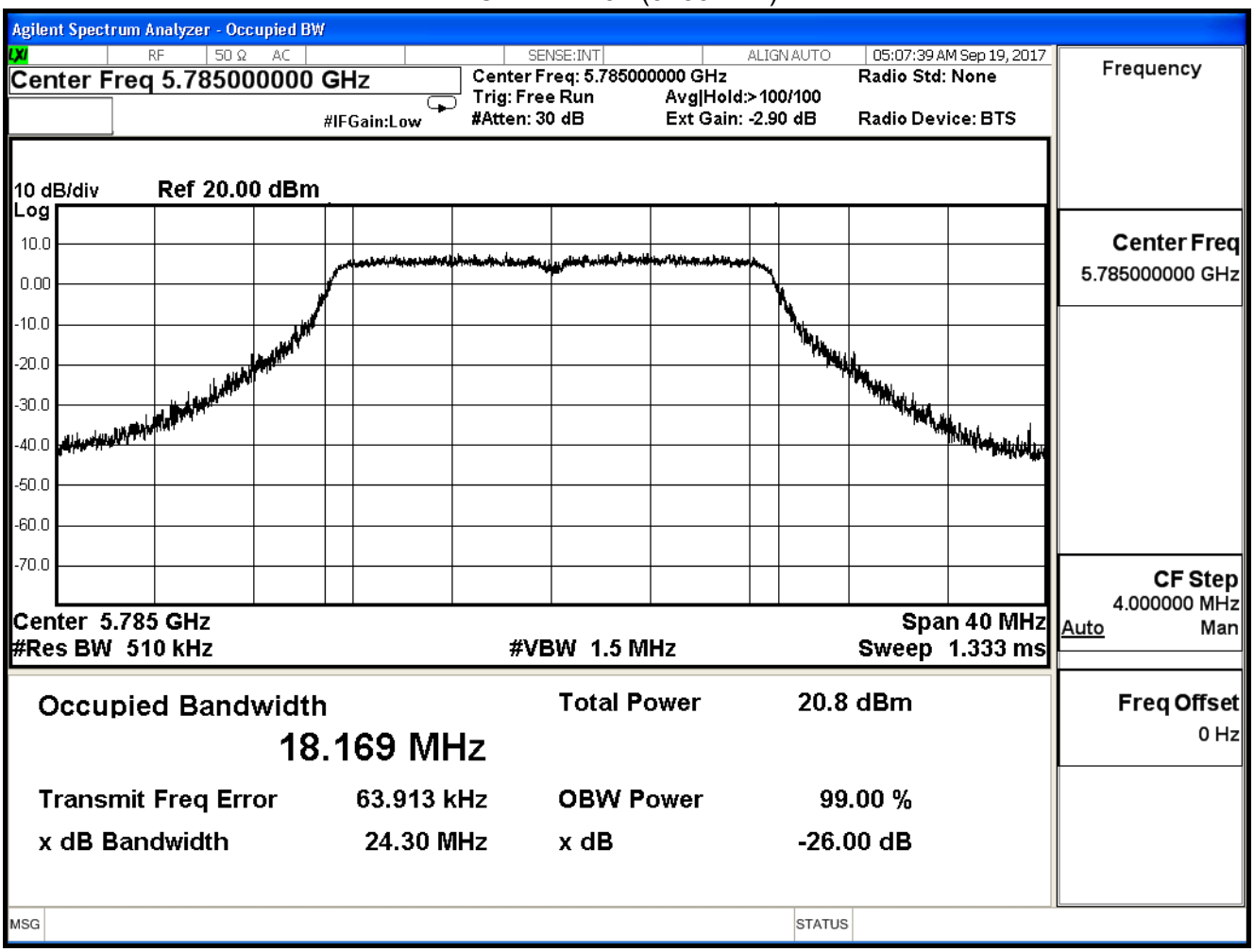
Product	Gigabit Broadband Router		
Test Item	99% Bandwidth		
Test Mode	Mode 2: TX MIMO_ADP 1		
Date of Test	2017/09/19	Test Site	SR10-H

IEEE 802.11n(20MHz)(ANT0)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
149	5745	18.237	--
157	5785	18.169	--
165	5825	18.200	--

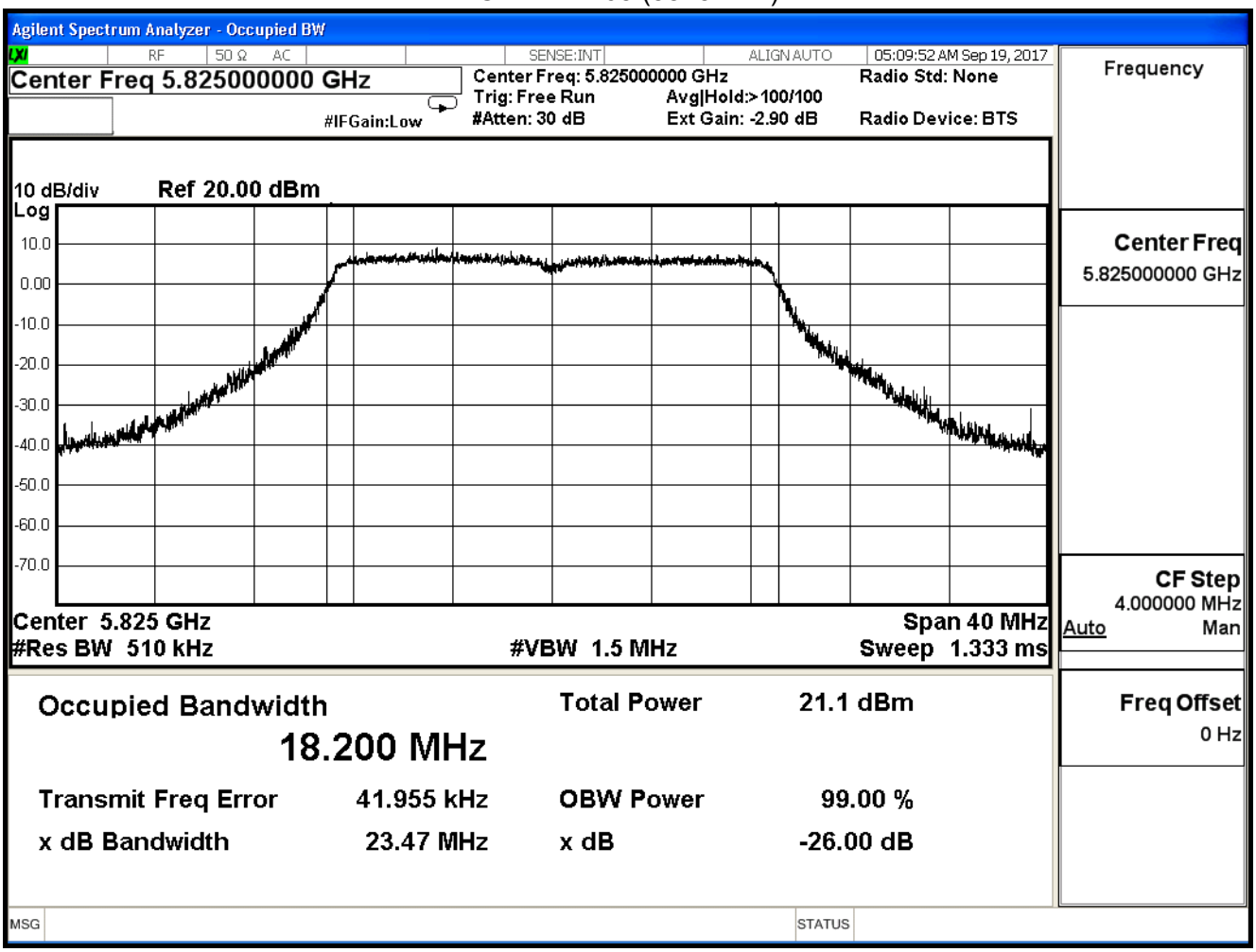
Channel 149 (5745MHz)



Channel 157 (5785MHz)



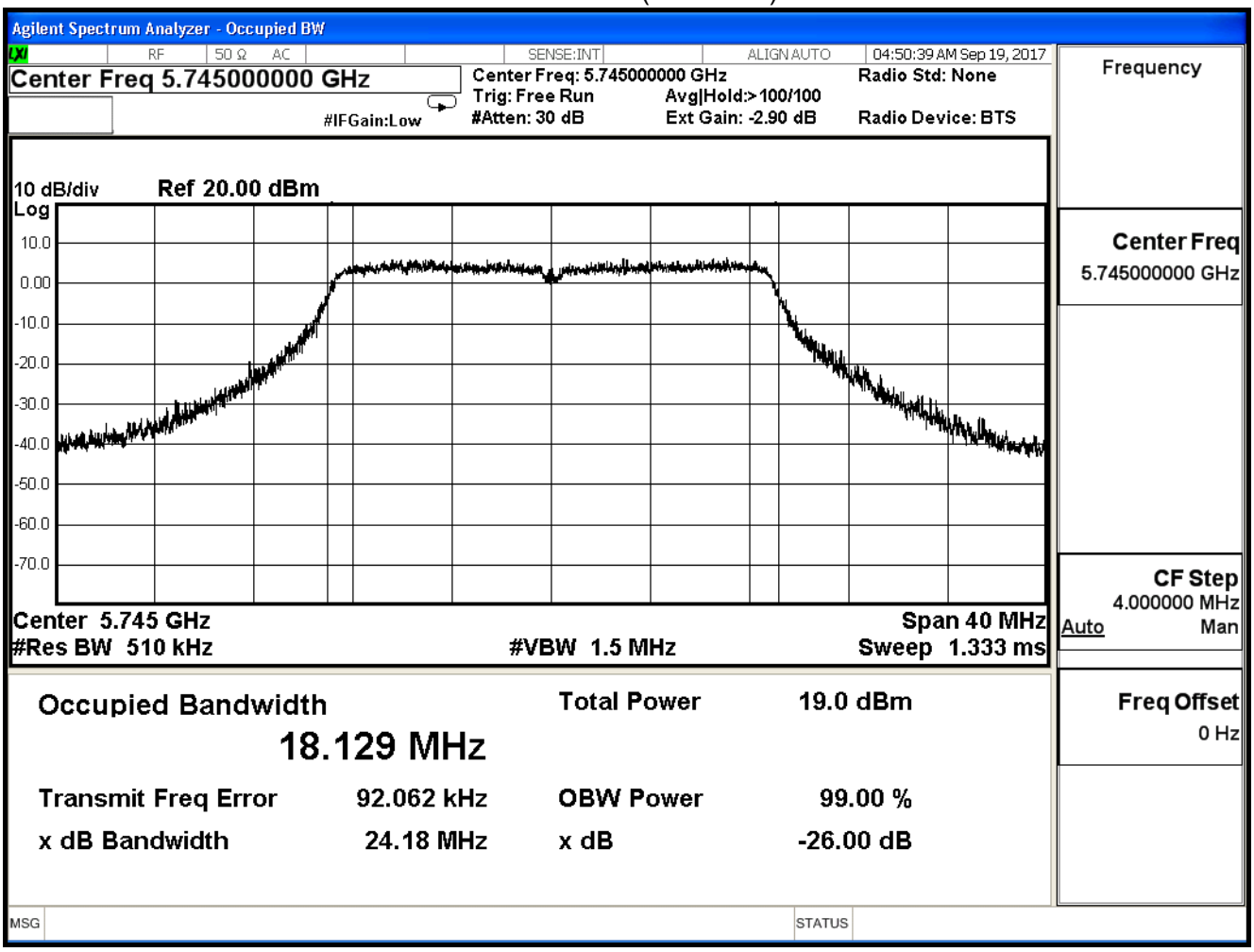
Channel 165 (5825MHz)



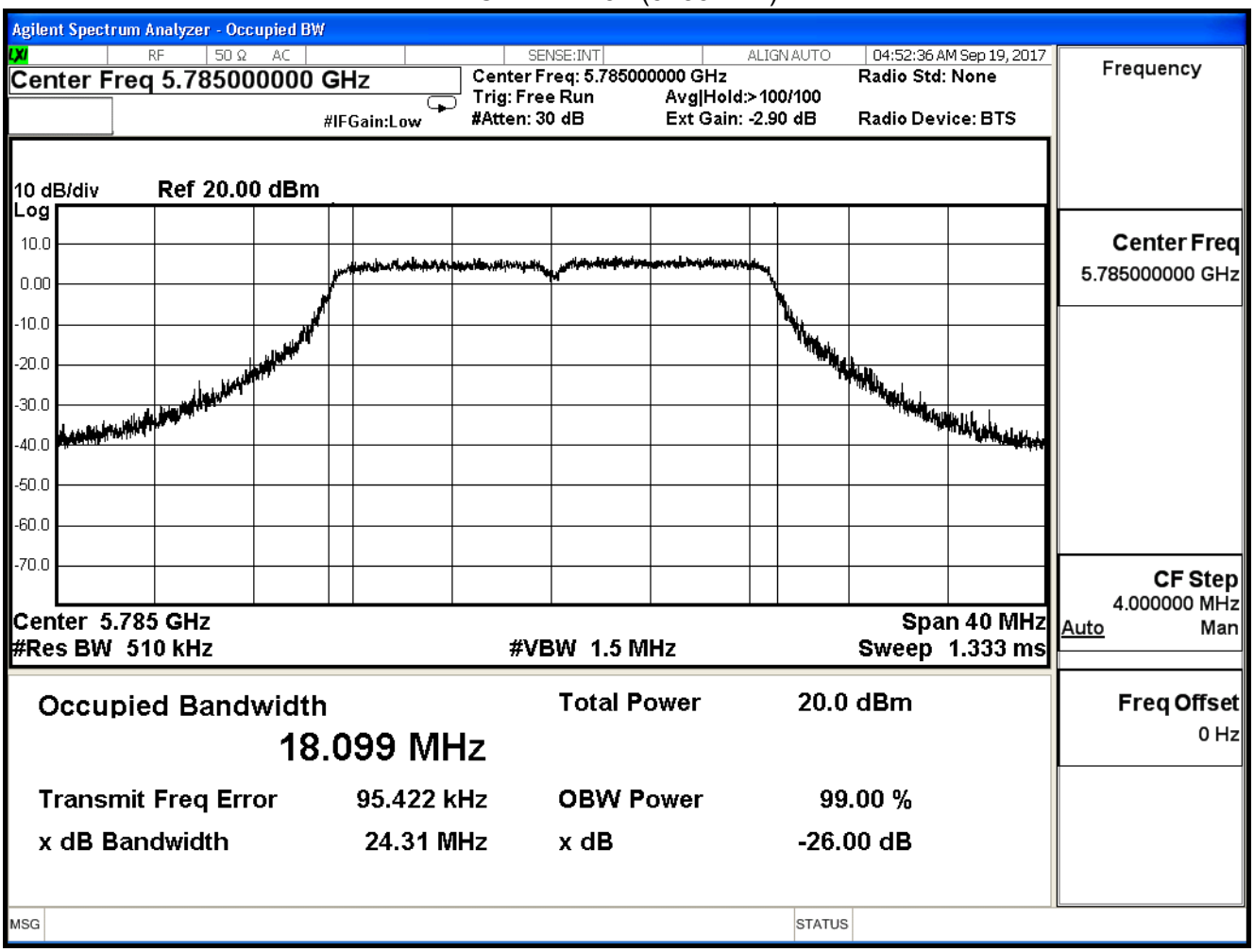
Product	Gigabit Broadband Router		
Test Item	99% Bandwidth		
Test Mode	Mode 2: TX MIMO_ADP 1		
Date of Test	2017/09/19	Test Site	SR10-H

IEEE 802.11n(20MHz)(ANT1)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
149	5745	18.129	--
157	5785	18.099	--
165	5825	18.219	--

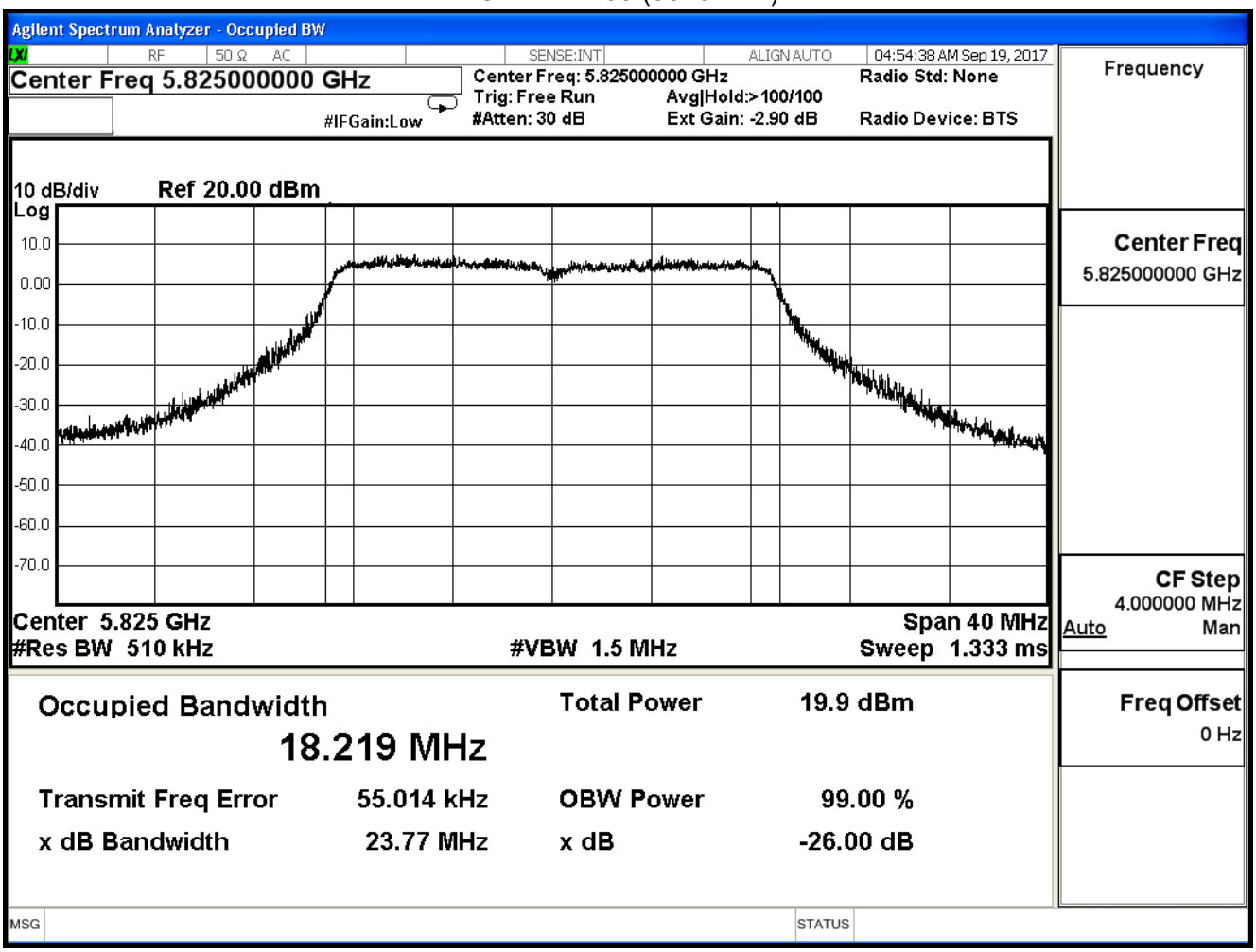
Channel 149 (5745MHz)



Channel 157 (5785MHz)



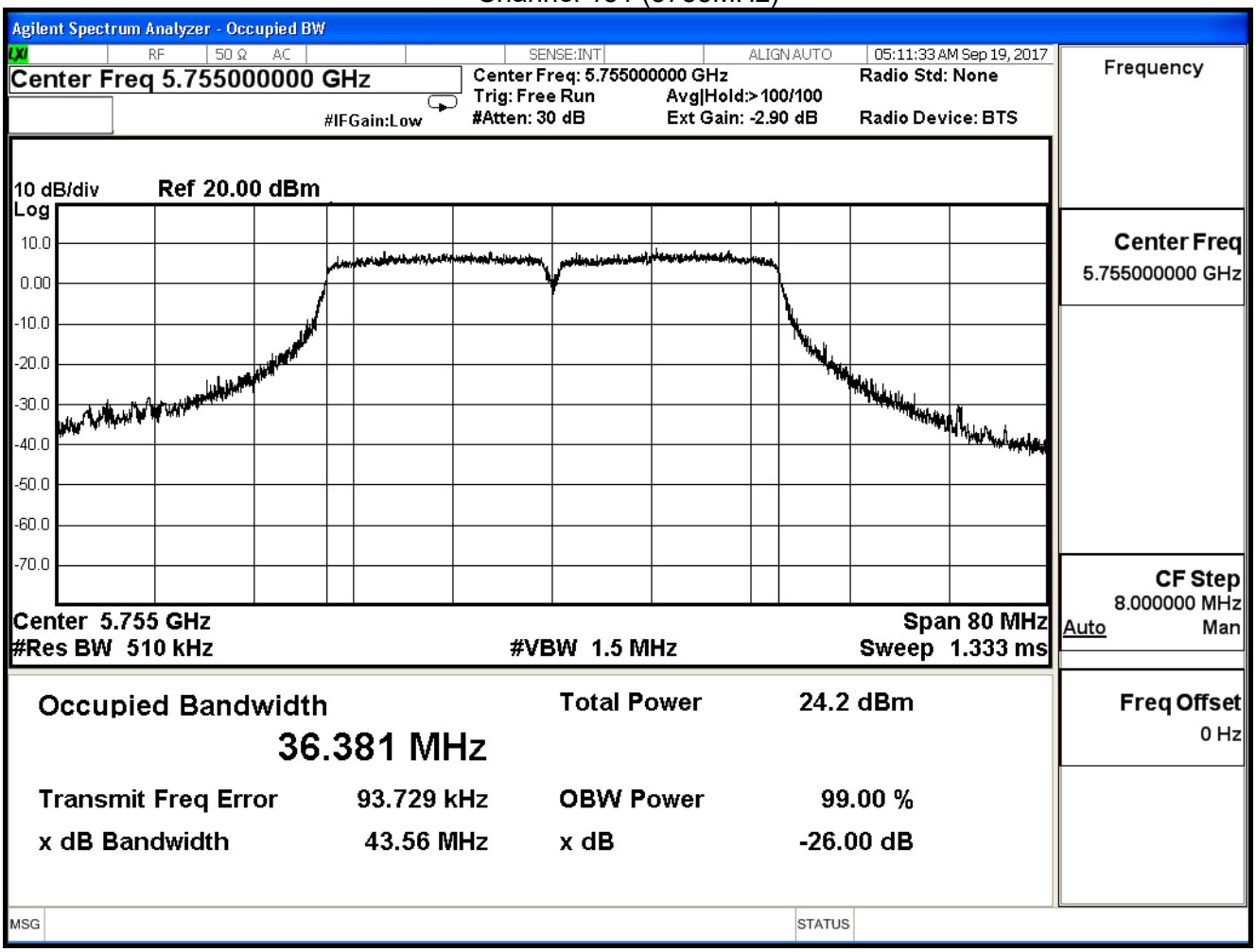
Channel 165 (5825MHz)



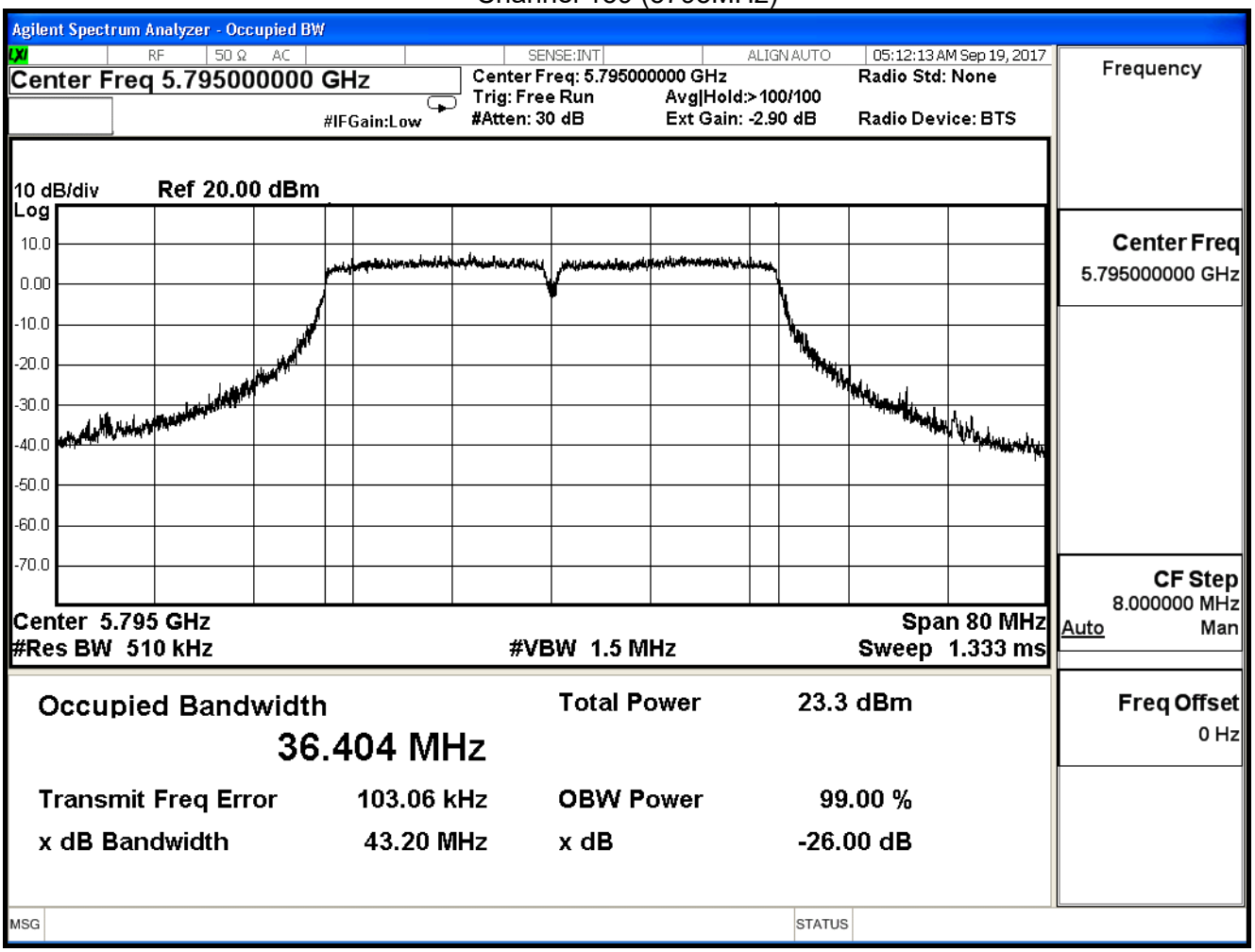
Product	Gigabit Broadband Router		
Test Item	99% Bandwidth		
Test Mode	Mode 2: TX MIMO_ADP 1		
Date of Test	2017/09/19	Test Site	SR10-H

IEEE 802.11n(40MHz)(ANT0)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
151	5755	36.381	--
159	5795	36.404	--

Channel 151 (5755MHz)



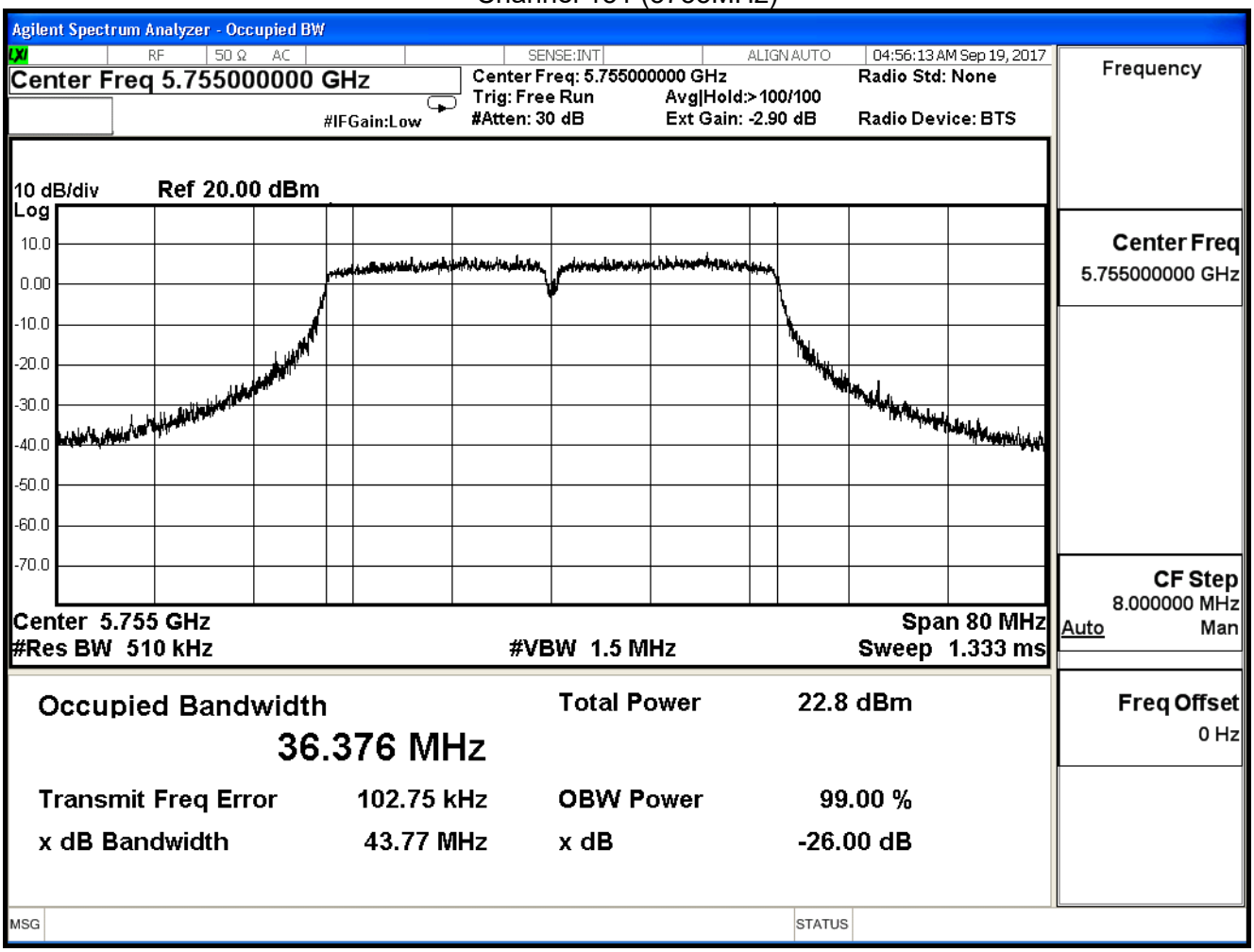
Channel 159 (5795MHz)



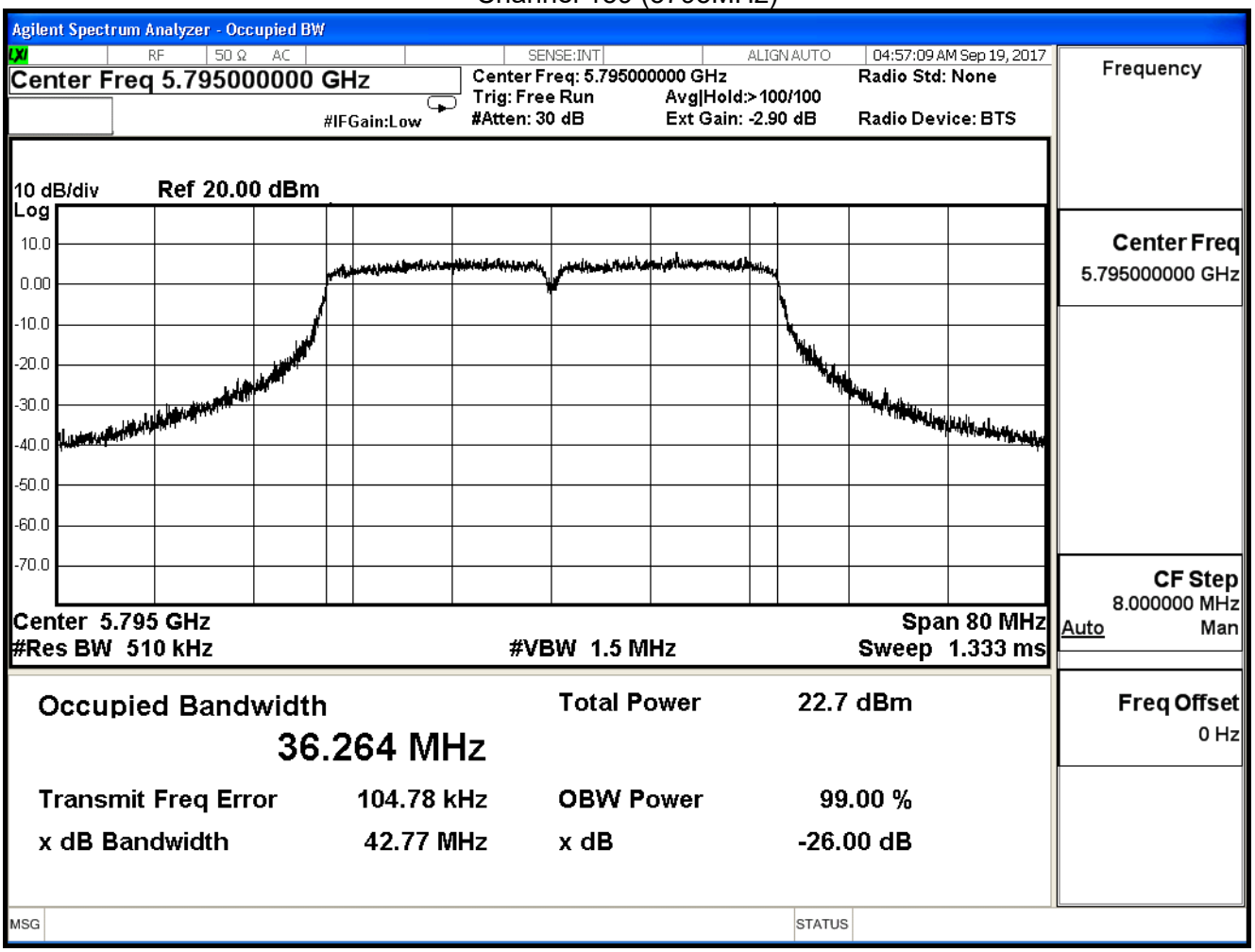
Product	Gigabit Broadband Router		
Test Item	99% Bandwidth		
Test Mode	Mode 2: TX MIMO_ADP 1		
Date of Test	2017/09/19	Test Site	SR10-H

IEEE 802.11n(40MHz)(ANT1)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
151	5755	36.376	--
159	5795	36.264	--

Channel 151 (5755MHz)



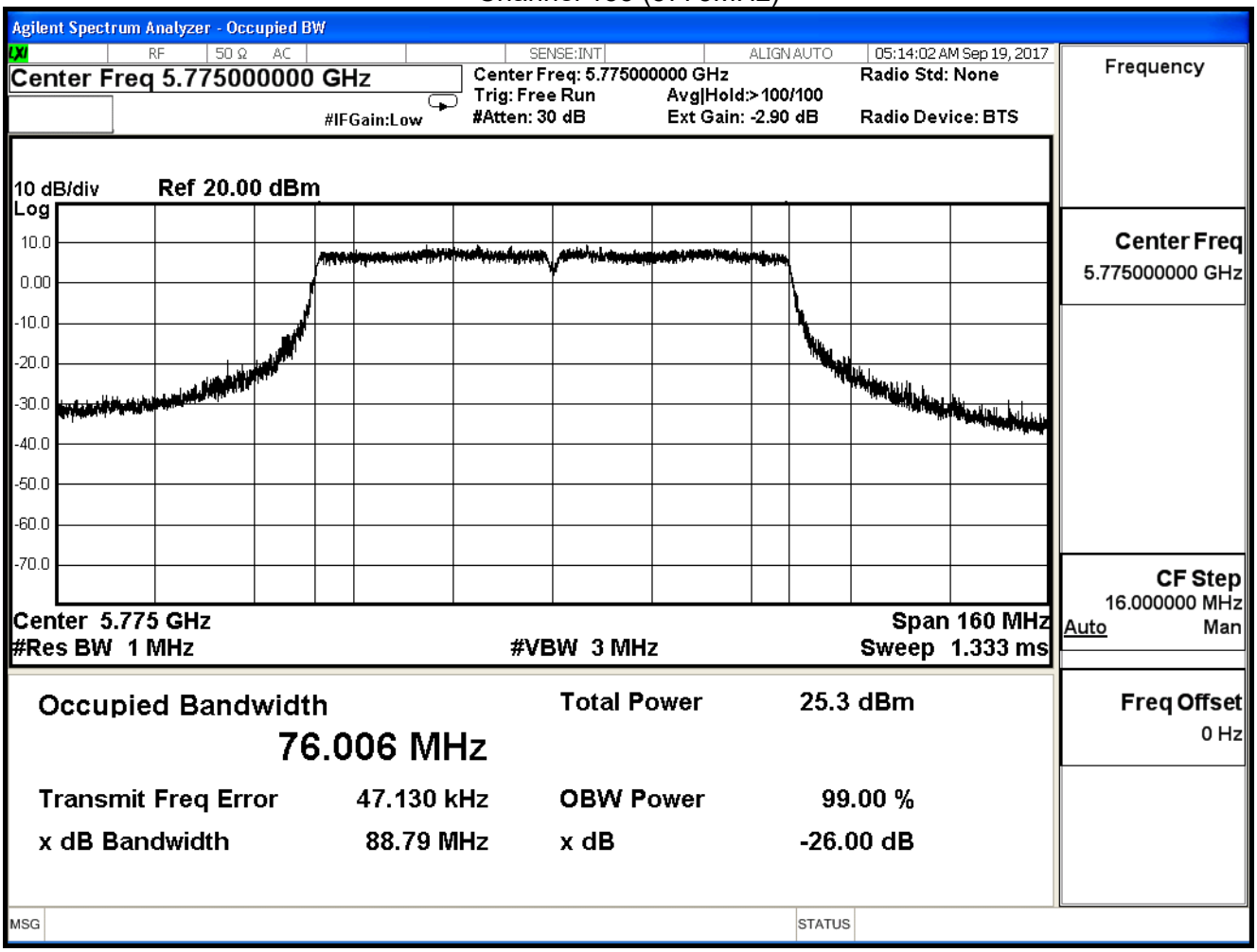
Channel 159 (5795MHz)



Product	Gigabit Broadband Router		
Test Item	99% Bandwidth		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/09/19	Test Site	SR10-H

IEEE802.11ac(80MHz)(ANT0)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
155	5775	76.006	--

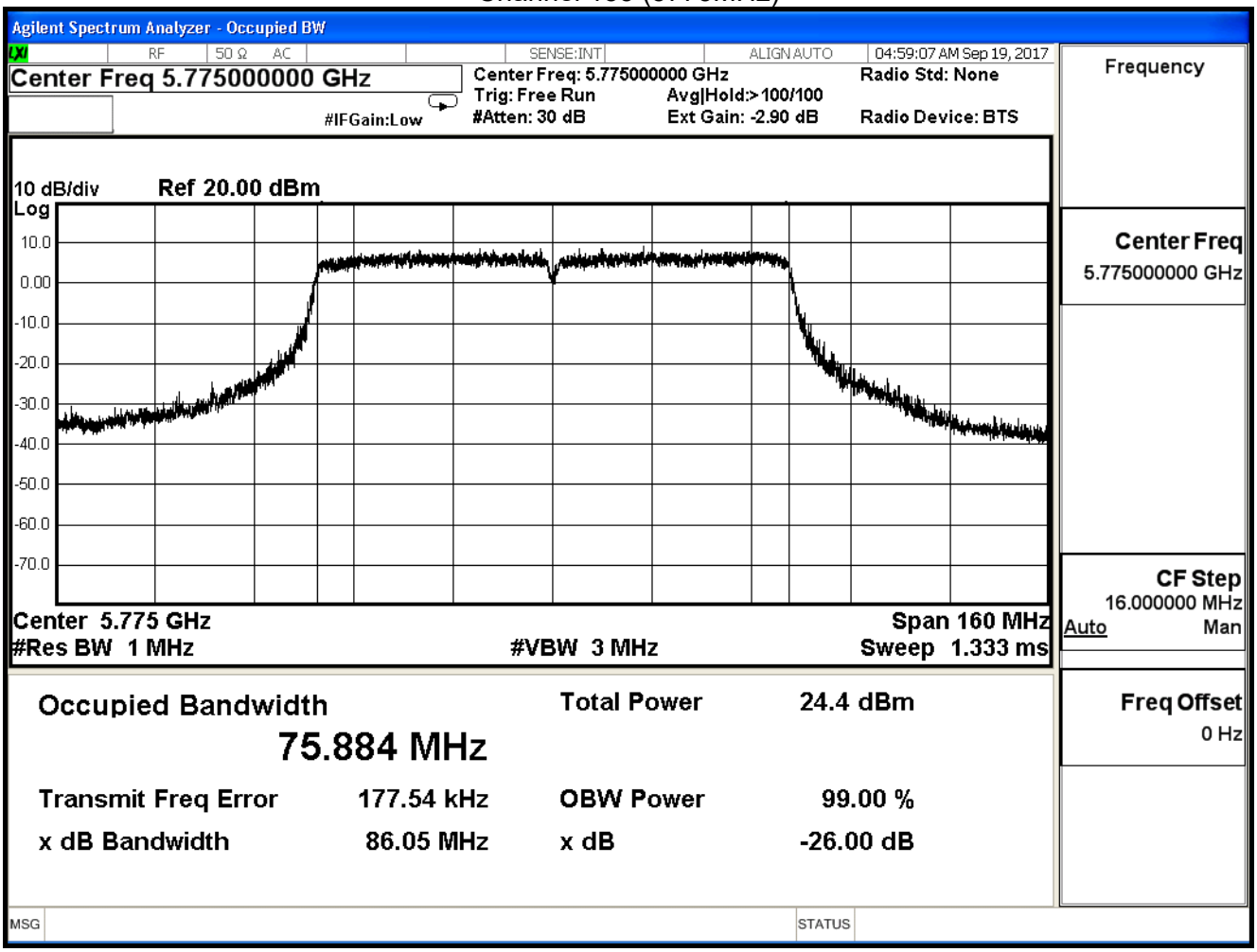
Channel 155 (5775MHz)



Product	Gigabit Broadband Router		
Test Item	99% Bandwidth		
Test Mode	Mode 2: TX MIMO_ADP 1		
Date of Test	2017/09/19	Test Site	SR10-H

IEEE802.11ac(80MHz)(ANT1)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
155	5775	75.884	--

Channel 155 (5775MHz)

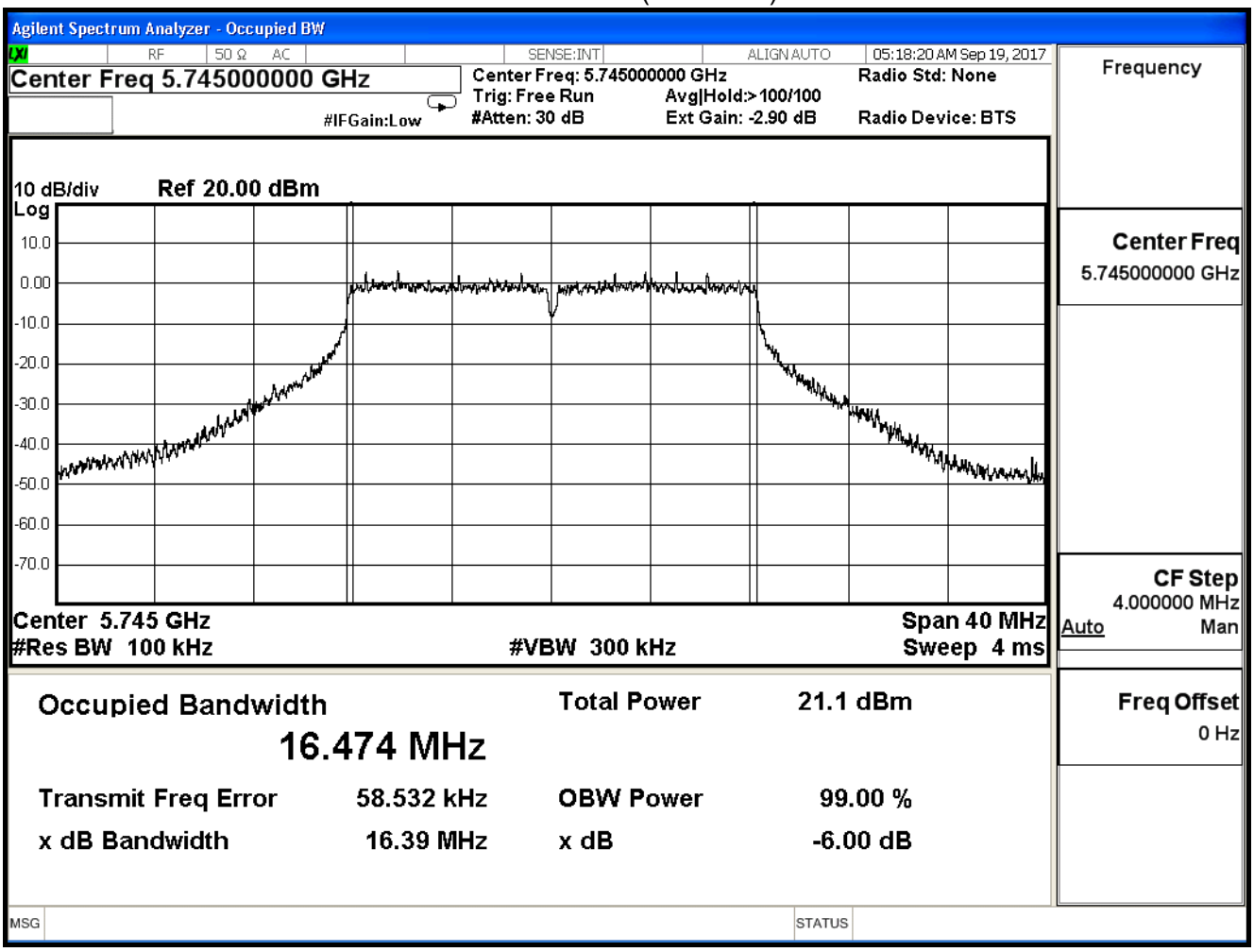


Product	Gigabit Broadband Router		
Test Item	6dB Bandwidth		
Test Mode	Mode 1: TX CDD_ADP 1		
Date of Test	2017/09/19	Test Site	SR10-H

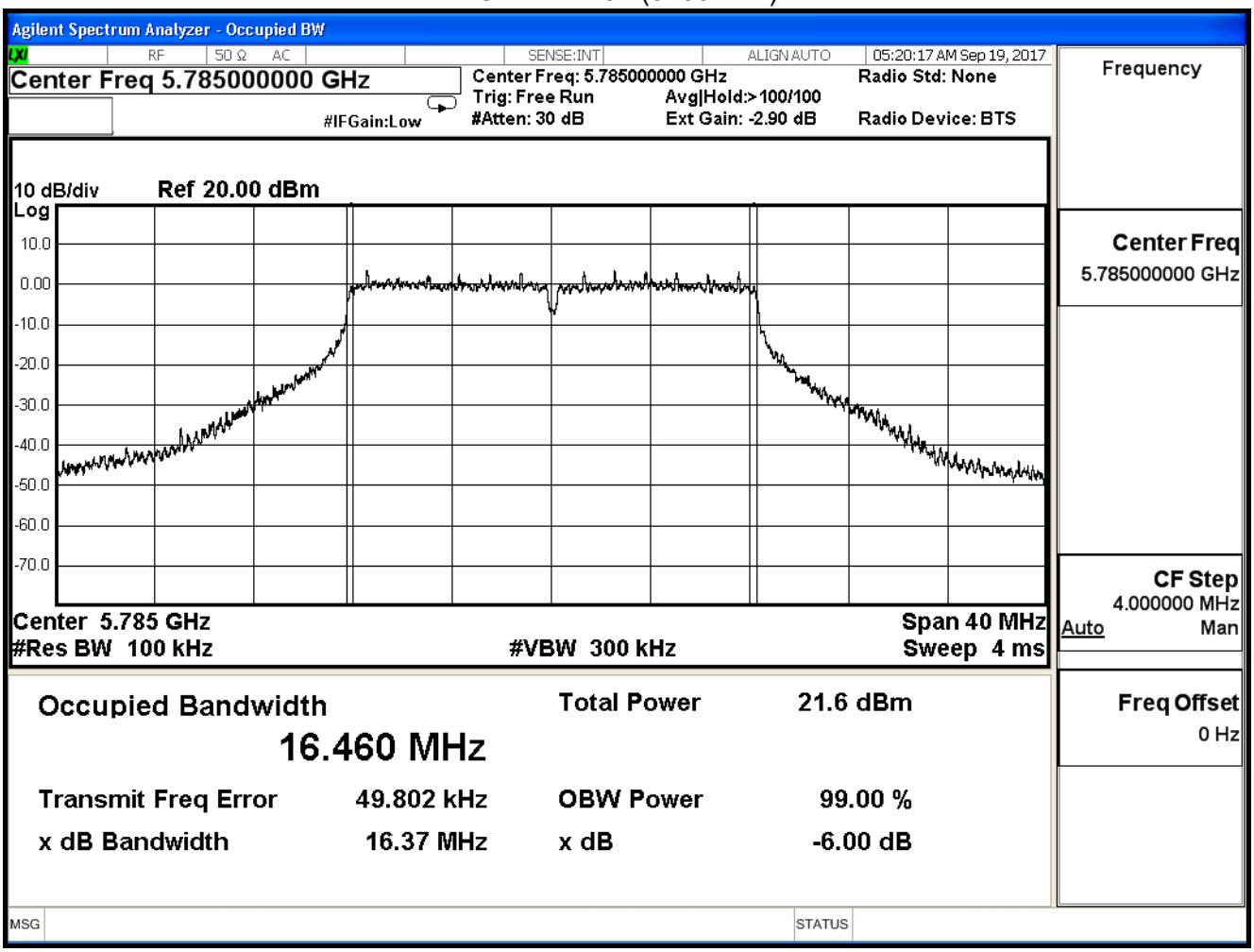
802.11a (ANT0)

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
149	5745	16.390	≧0.5
157	5785	16.370	≧0.5
165	5825	16.370	≧0.5

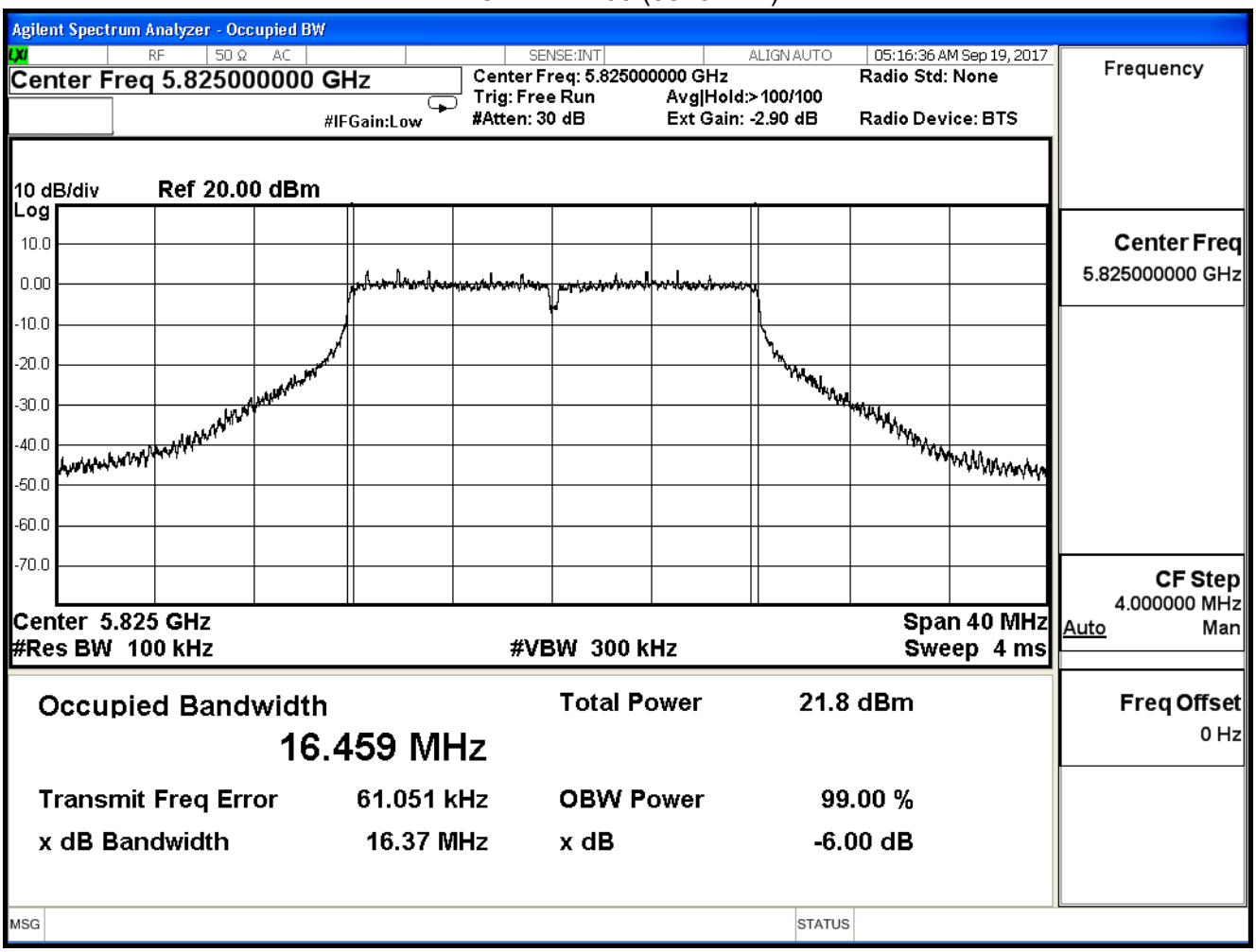
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)

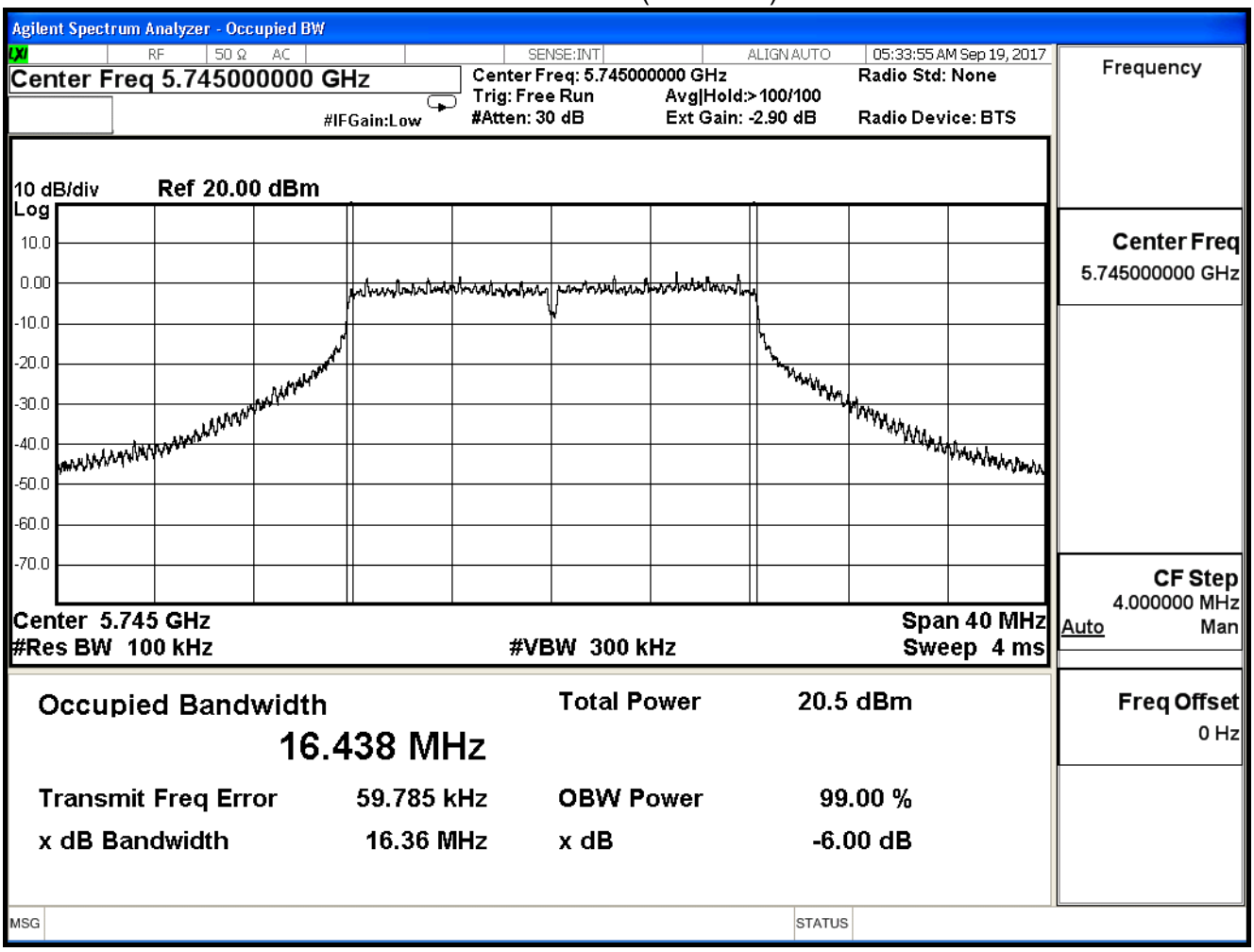


Product	Gigabit Broadband Router		
Test Item	6dB Bandwidth		
Test Mode	Mode 1: TX CDD_ADP 1		
Date of Test	2017/09/19	Test Site	SR10-H

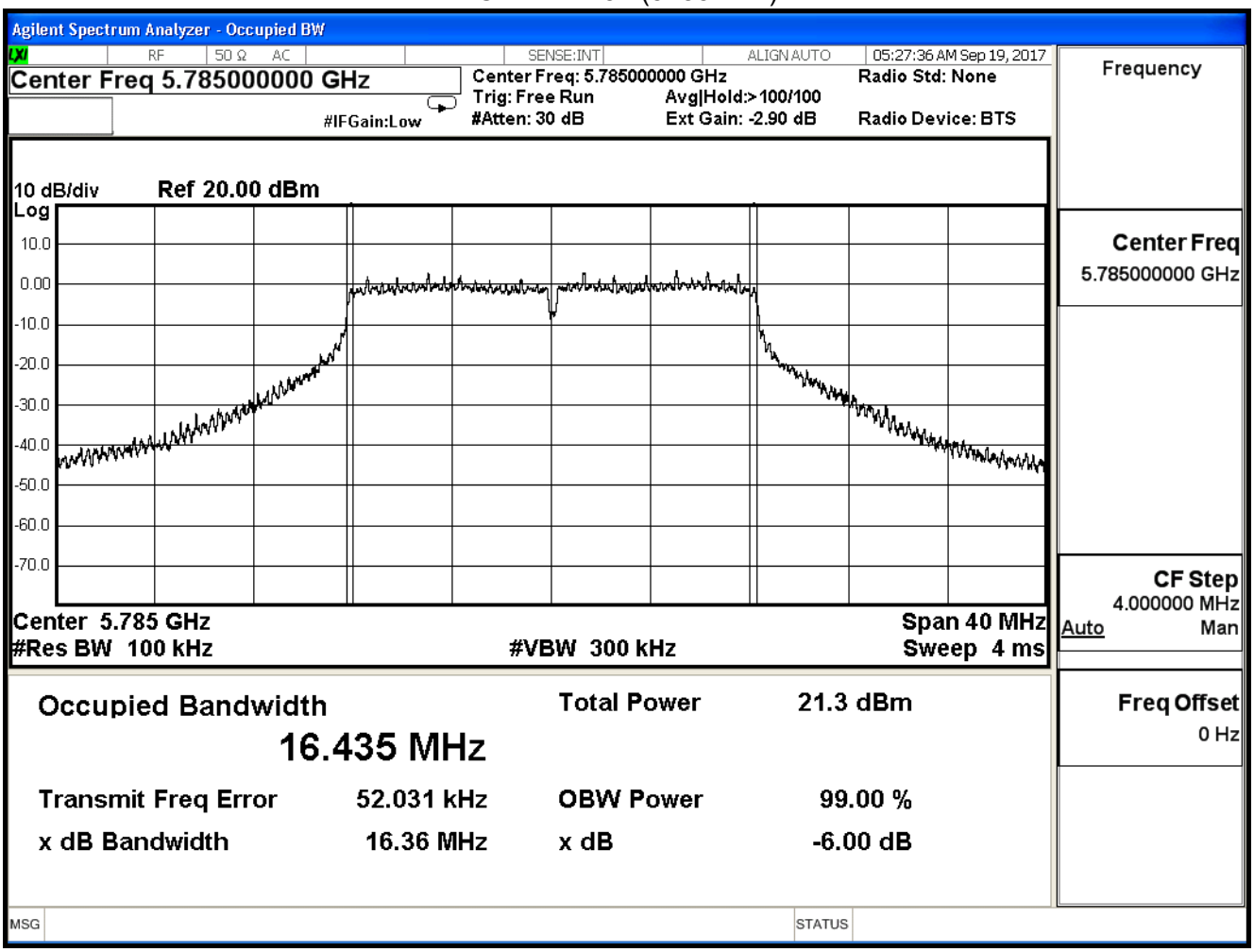
802.11a (ANT1)

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
149	5745	16.360	≧0.5
157	5785	16.360	≧0.5
165	5825	16.350	≧0.5

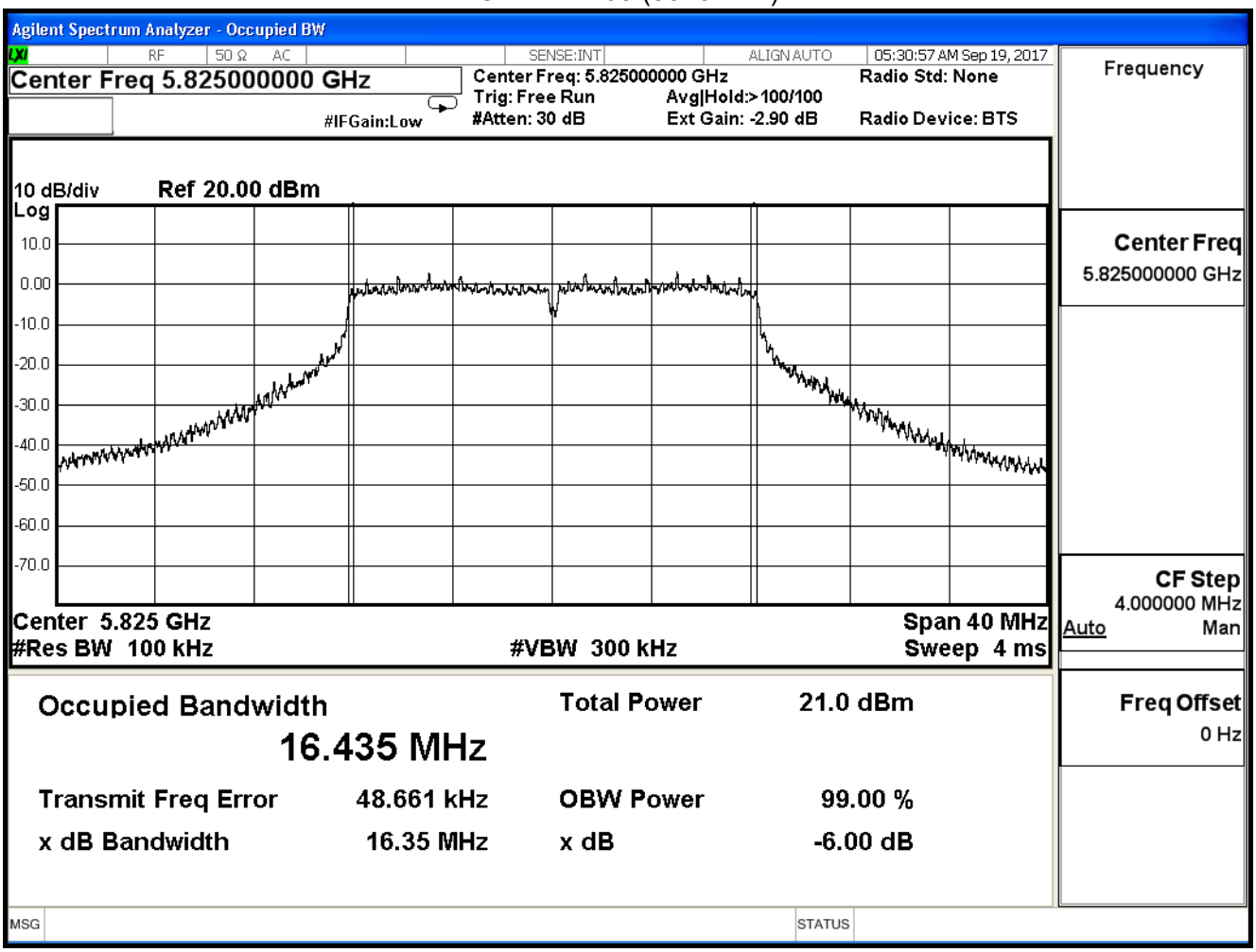
Channel 149 (5745MHz)



Channel 157 (5785MHz)



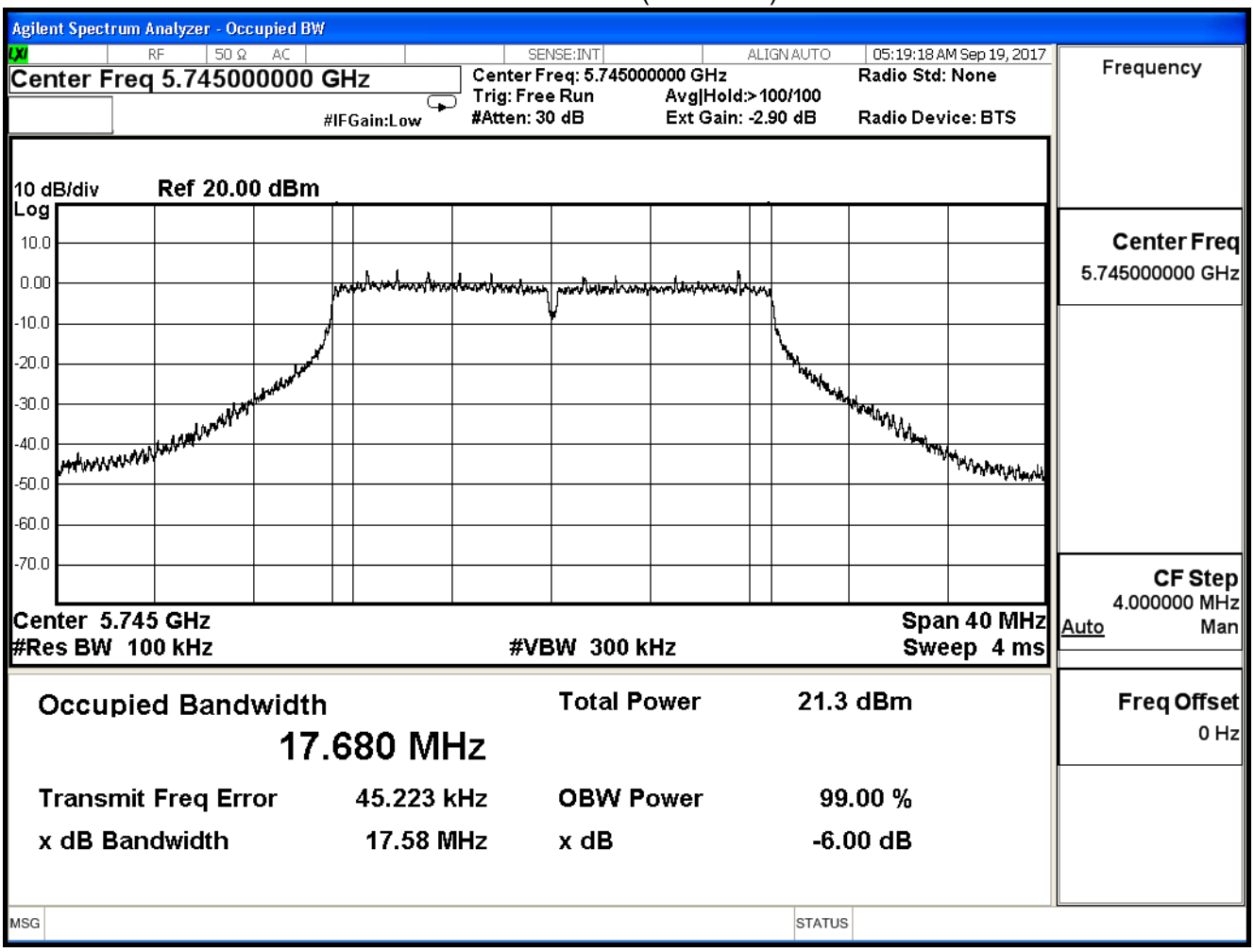
Channel 165 (5825MHz)



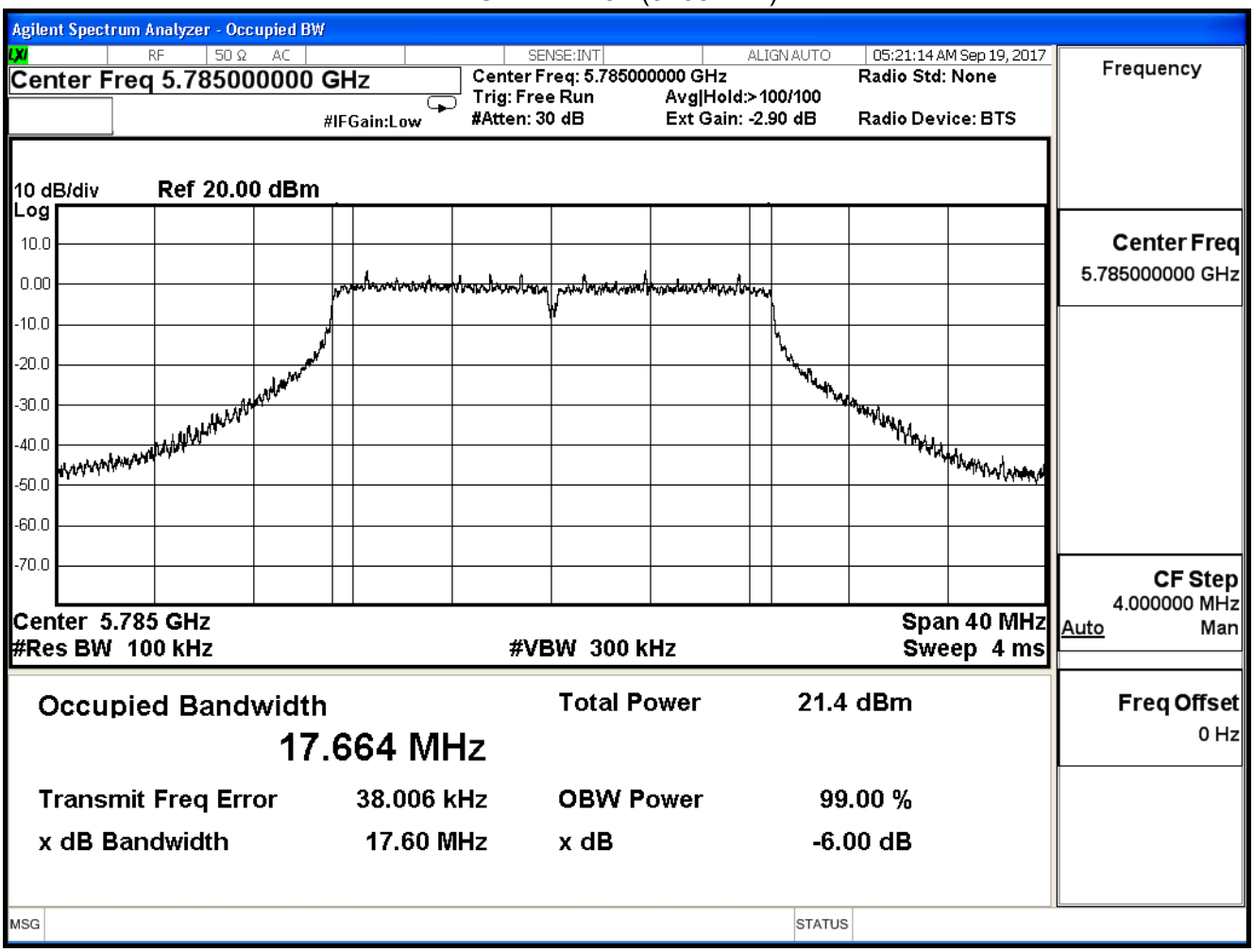
Product	Gigabit Broadband Router		
Test Item	6dB Bandwidth		
Test Mode	Mode 2: TX MIMO_ADP 1		
Date of Test	2017/09/19	Test Site	SR10-H

IEEE 802.11n(20MHz)(ANT0)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
149	5745	17.580	≧0.5
157	5785	17.600	≧0.5
165	5825	17.580	≧0.5

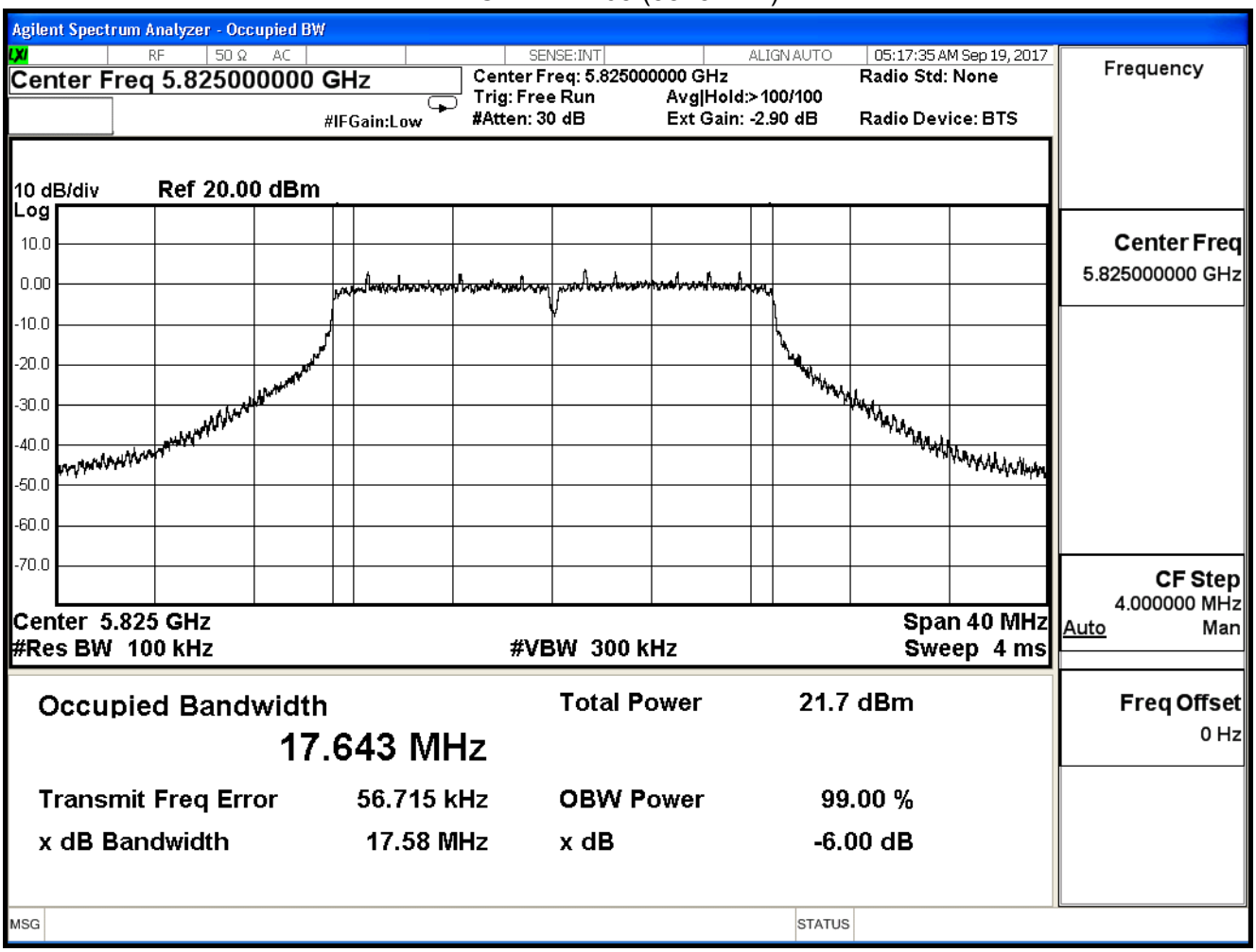
Channel 149 (5745MHz)



Channel 157 (5785MHz)



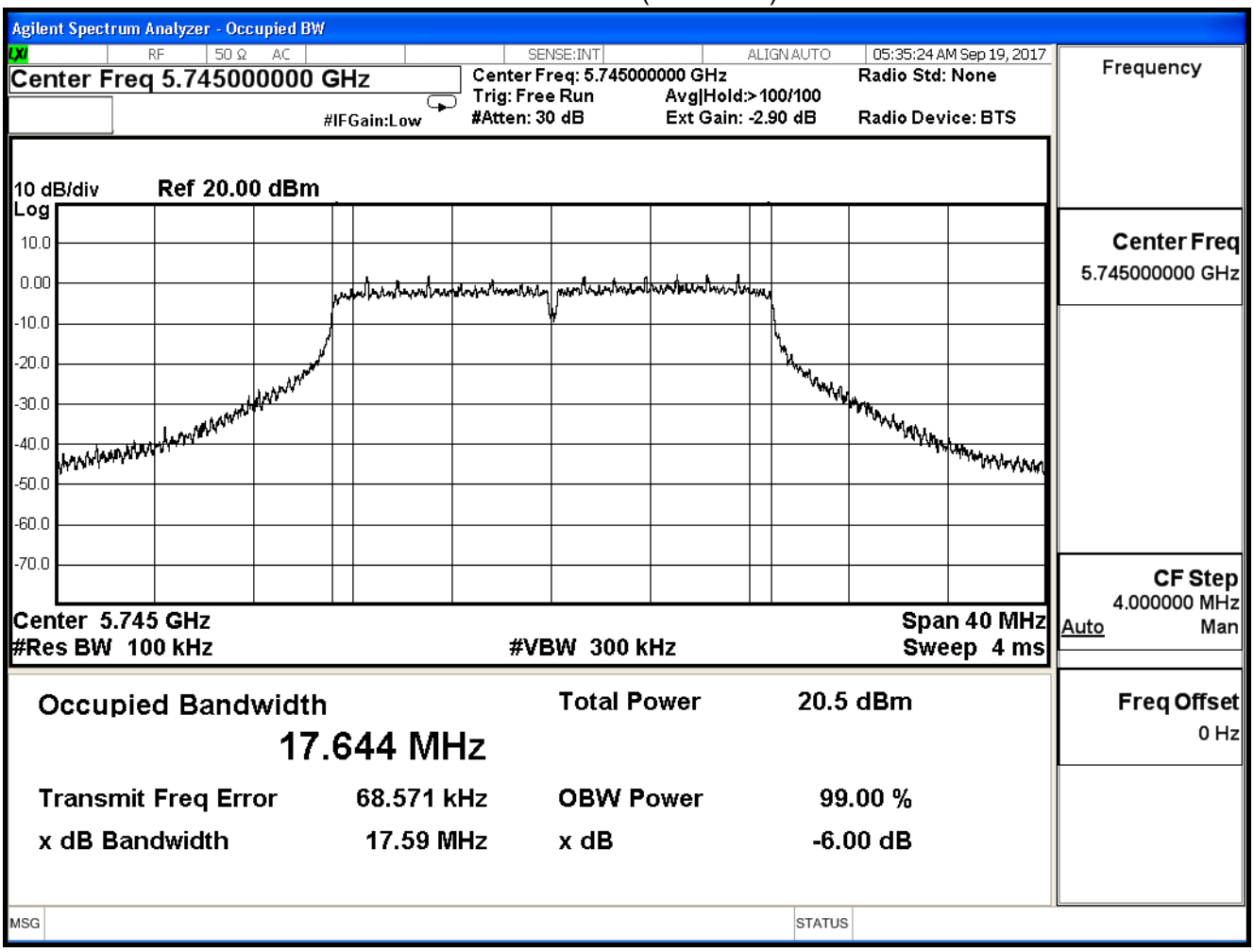
Channel 165 (5825MHz)



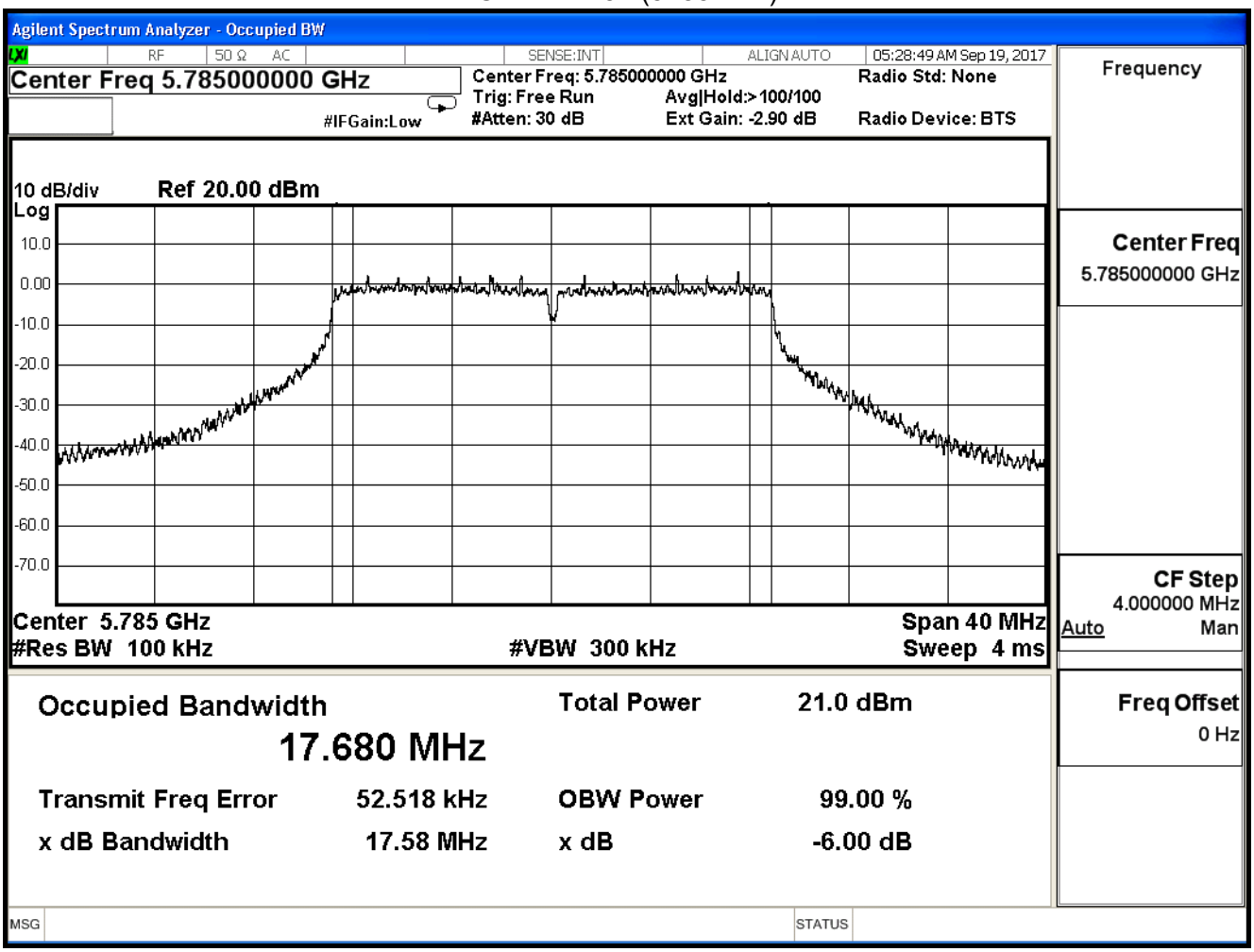
Product	Gigabit Broadband Router		
Test Item	6dB Bandwidth		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/09/19	Test Site	SR10-H

IEEE 802.11n(20MHz)(ANT1)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
149	5745	17.590	≧0.5
157	5785	17.580	≧0.5
165	5825	17.560	≧0.5

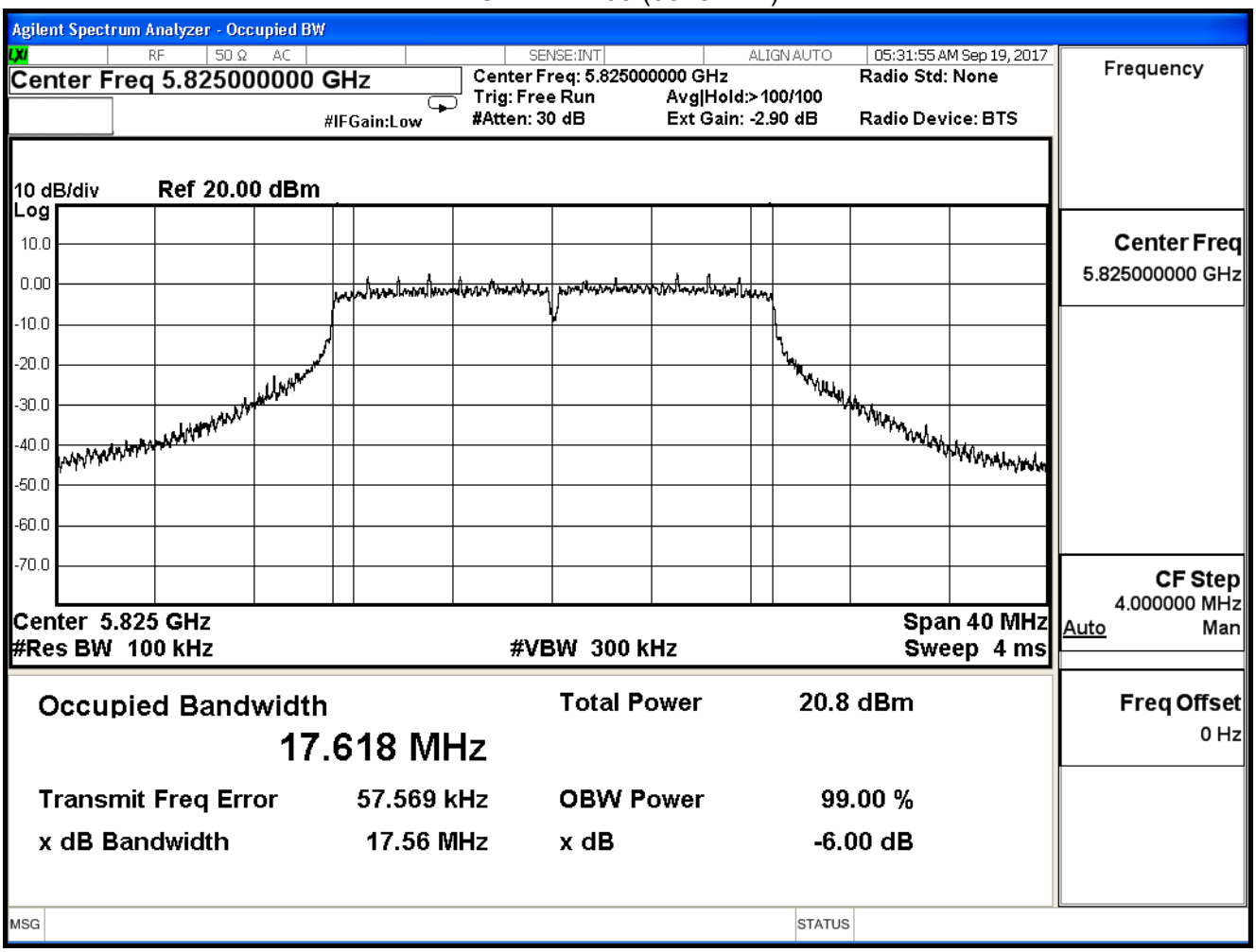
Channel 149 (5745MHz)



Channel 157 (5785MHz)



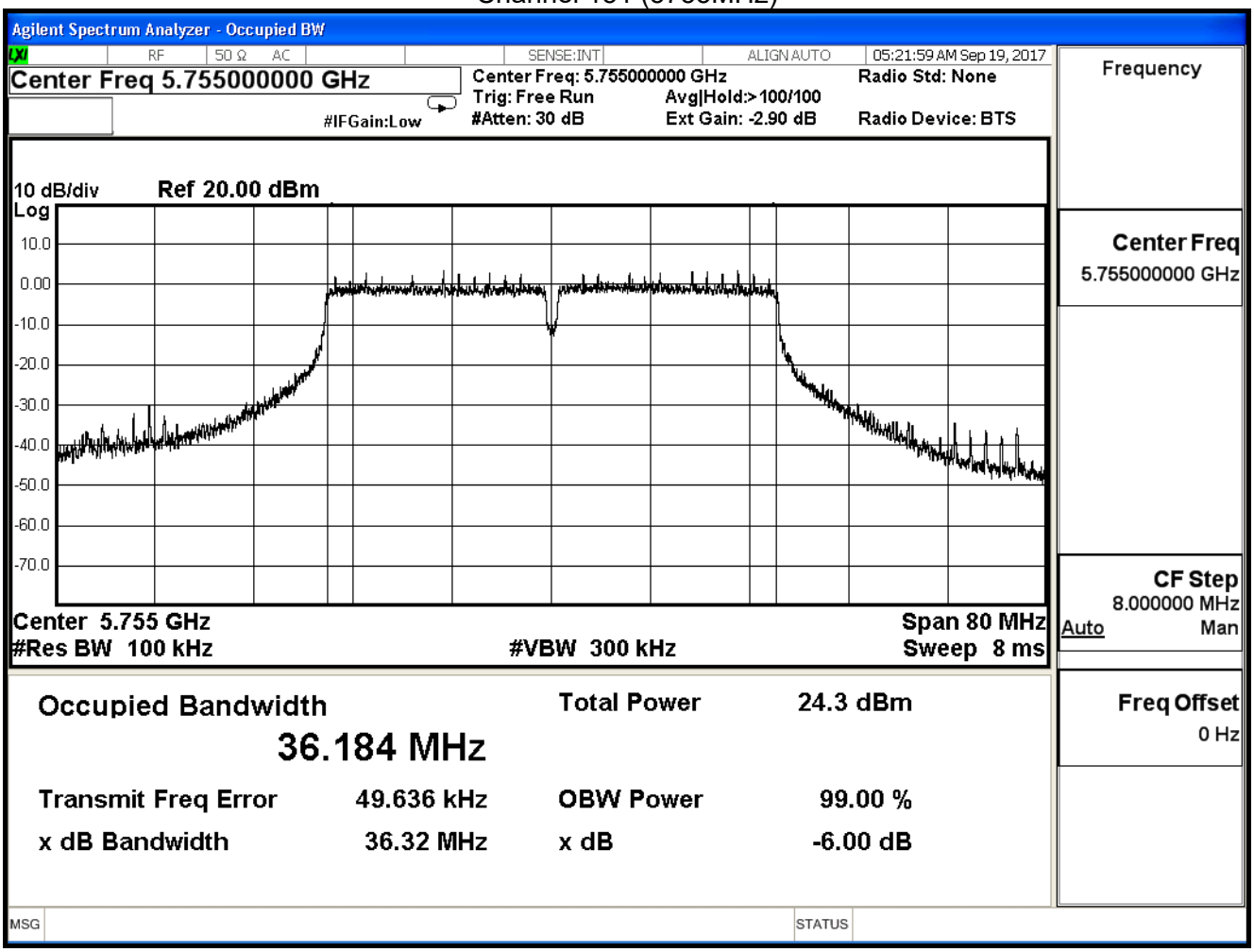
Channel 165 (5825MHz)



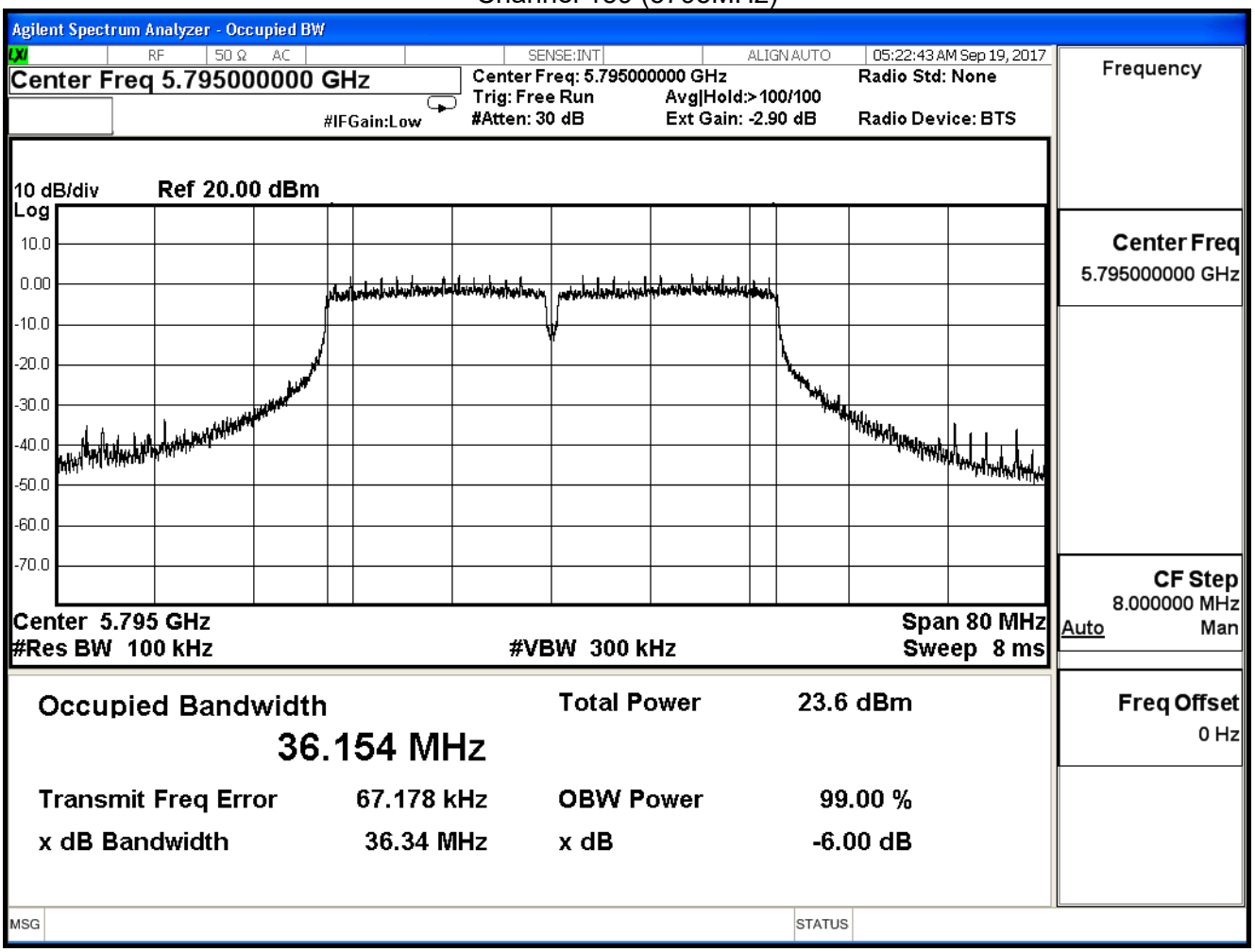
Product	Gigabit Broadband Router		
Test Item	6dB Bandwidth		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/09/19	Test Site	SR10-H

IEEE 802.11n(40MHz)(ANT0)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
151	5755	36.320	≧0.5
159	5795	36.340	≧0.5

Channel 151 (5755MHz)



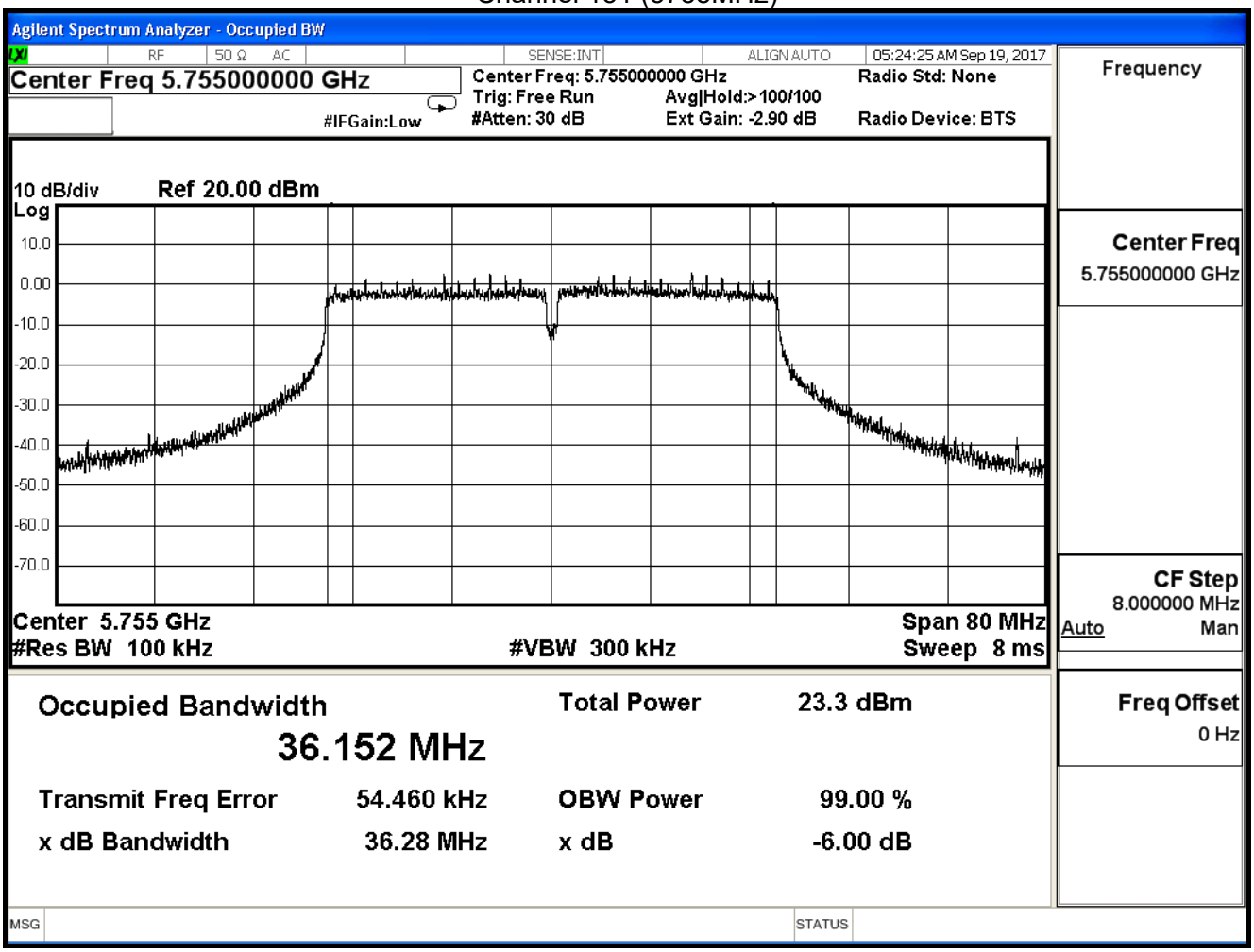
Channel 159 (5795MHz)



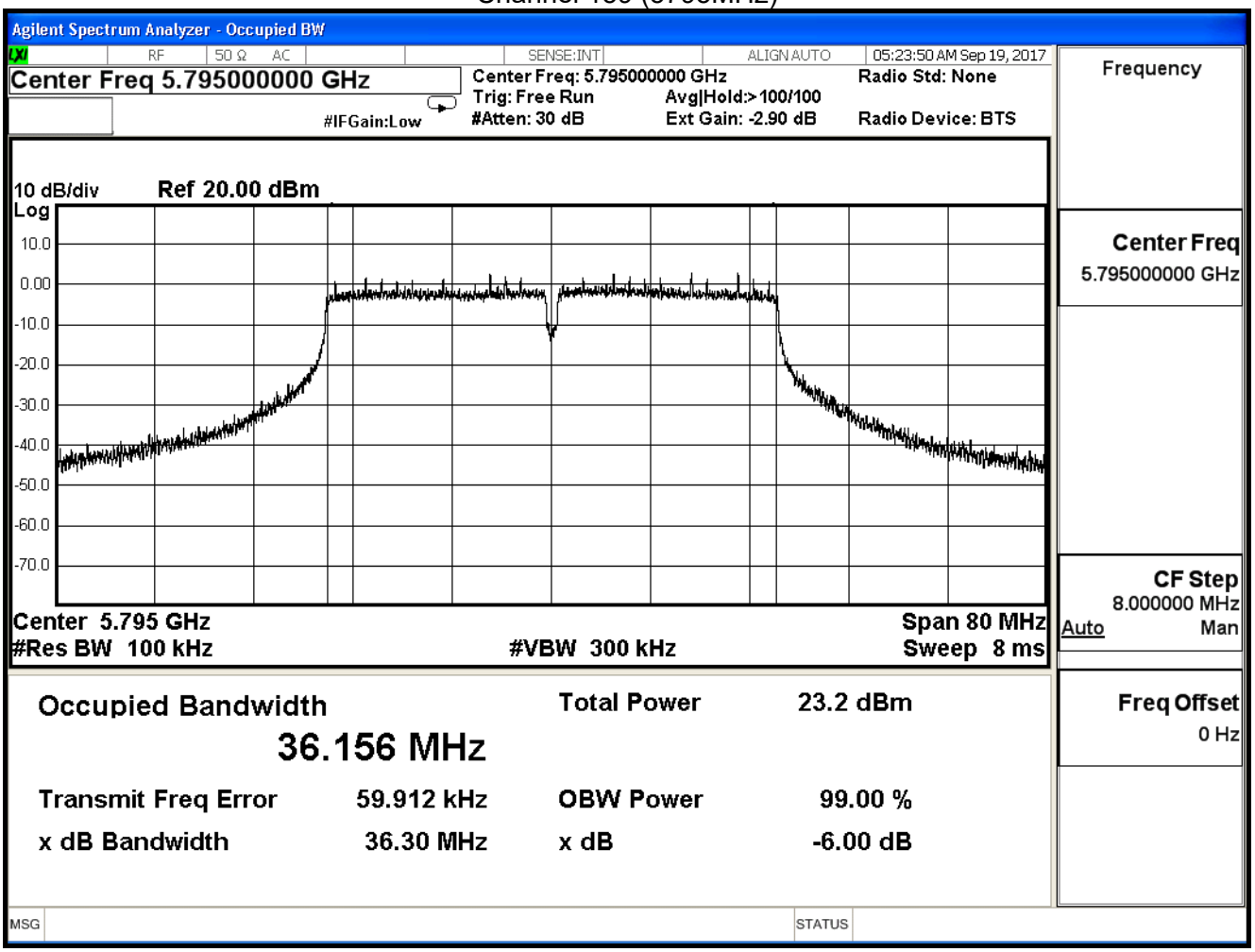
Product	Gigabit Broadband Router		
Test Item	6dB Bandwidth		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/09/19	Test Site	SR10-H

IEEE 802.11n(40MHz)(ANT1)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
151	5755	36.280	≧0.5
159	5795	36.300	≧0.5

Channel 151 (5755MHz)



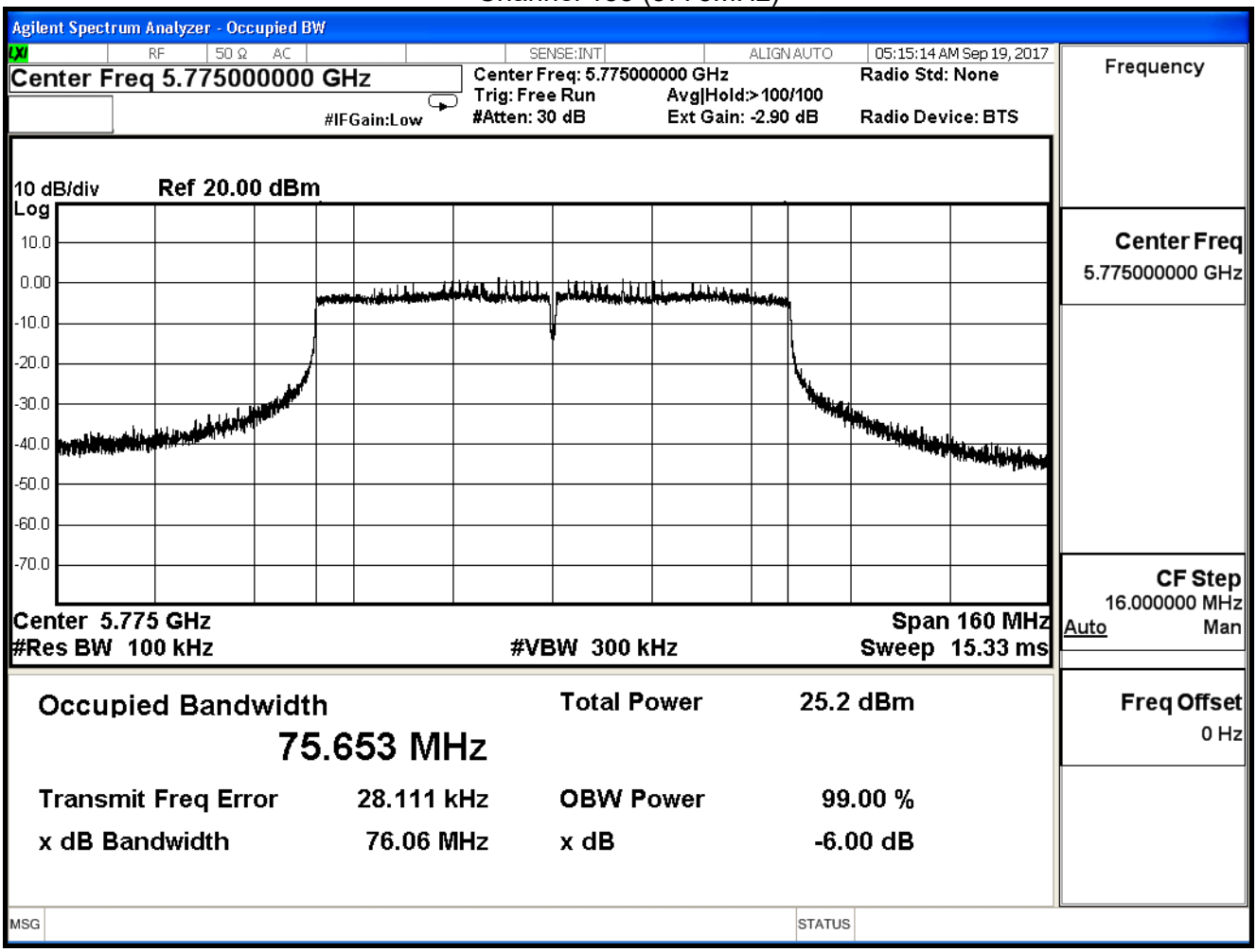
Channel 159 (5795MHz)



Product	Gigabit Broadband Router		
Test Item	6dB Bandwidth		
Test Mode	Mode 2: TX MIMO_ADP 1		
Date of Test	2017/09/19	Test Site	SR10-H

IEEE802.11ac(80MHz)(ANT0)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
155	5775	76.060	≧0.5

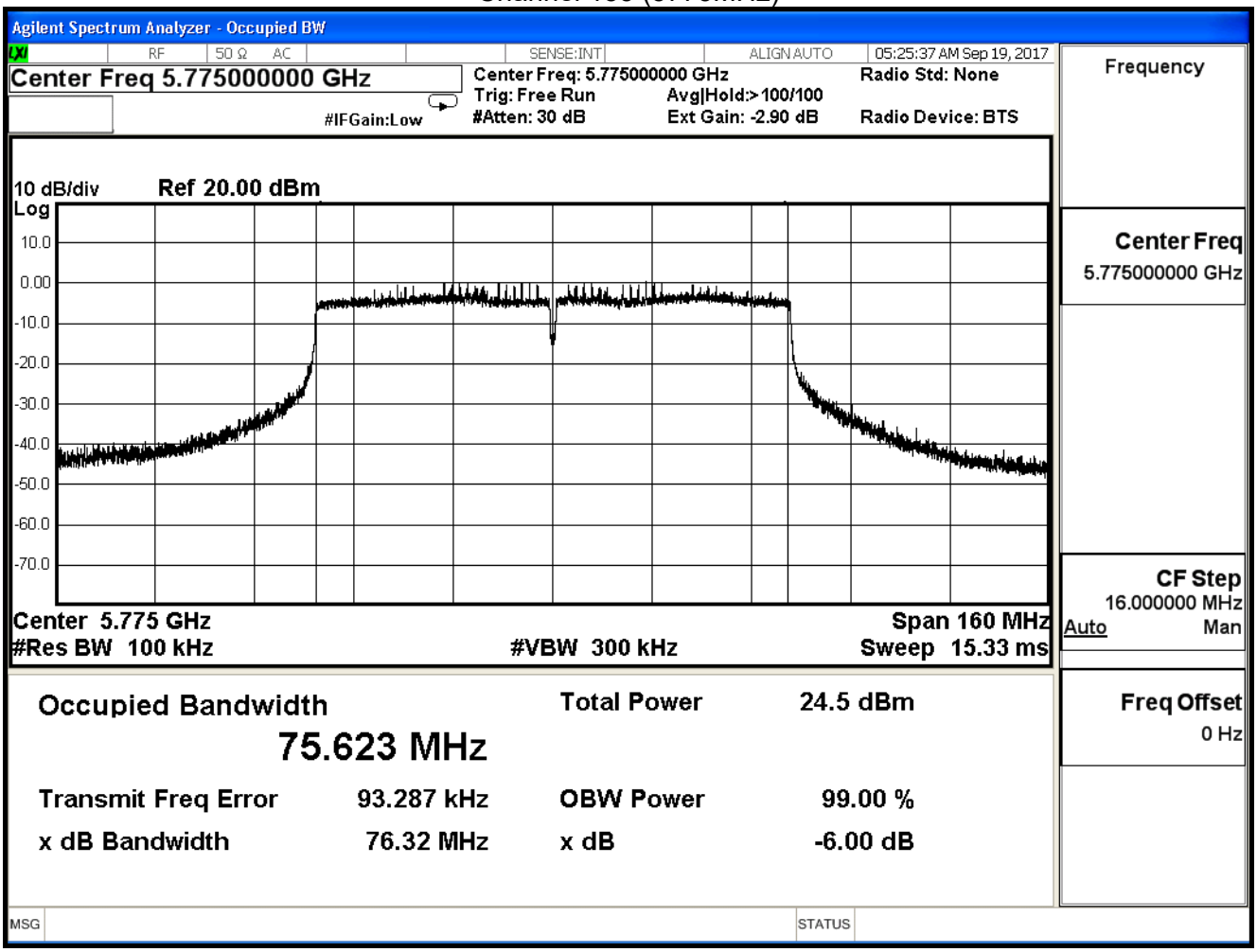
Channel 155 (5775MHz)



Product	Gigabit Broadband Router		
Test Item	6dB Bandwidth		
Test Mode	Mode 2: TX MIMO_ADP 1		
Date of Test	2017/09/19	Test Site	SR10-H

IEEE802.11ac(80MHz)(ANT1)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
155	5775	76.320	≧0.5

Channel 155 (5775MHz)



4. Peak Transmit Output

4.1. Test Equipment

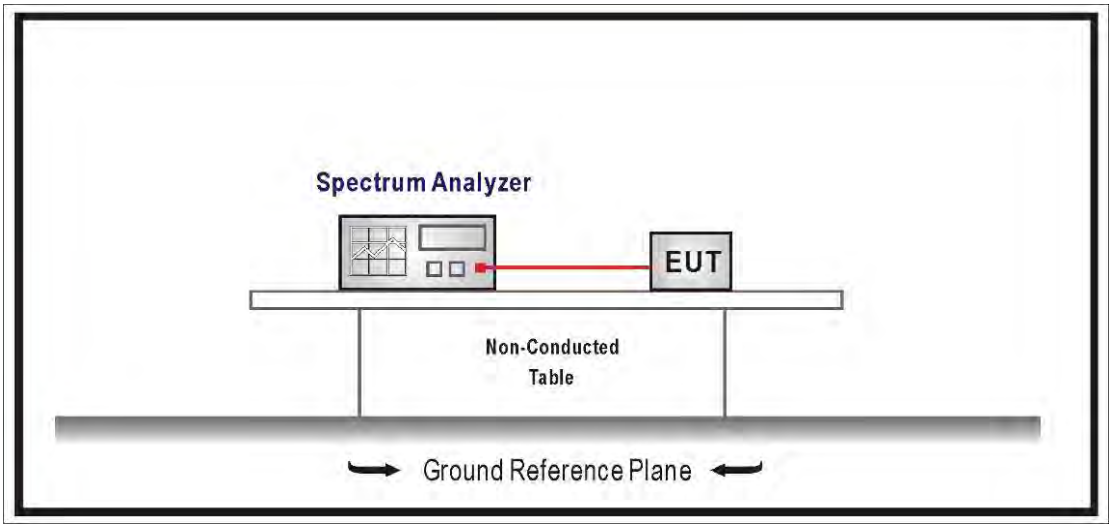
The following test equipment are used during the radiated emission tests:

Peak Transmit 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

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

4.2. Test Setup



4.3. Limits

1. For the band 5.15-5.25 GHz, the peak transmit power over the frequency band of operation shall not exceed the lesser of 1W. If transmitting antenna of directional gain greater than 6 dBi are used, the peak transmit power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.

2. For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. The maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3. For the band 5.25-5.35 GHz, the peak transmit power over the frequency band of operation shall not exceed the lesser of 250 mW. If transmitting antenna of directional gain greater than 6 dBi are used, the peak transmit power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.

4. For the band 5.725-5.850 GHz, the peak transmit power over the frequency band of operation shall not exceed the lesser of 1W. If transmitting antenna of directional gain greater than 6 dBi are used, the peak transmit power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.

4.4. Test Procedure

The EUT was setup to ANSI C63.10: 2013; tested to U-NII test procedure of 789033 D02 V01R02 for compliance to FCC 47CFR Subpart E requirements. The Method SA-1 of the Maximum conducted output power was used.

Set RBW=1MHz, VBW=3MHz with RMS detector and trace average 100 traces in power averaging mode. Set span to encompass the entire emission bandwidth (EBW) of the signal. Compute power by integrating the spectrum across the 99% EBW of the signal.

4.5. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB

4.6. Test Result

Product	Gigabit Broadband Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: TX CDD_ ADP 1		
Date of Test	2017/10/16	Test Site	SR10-H

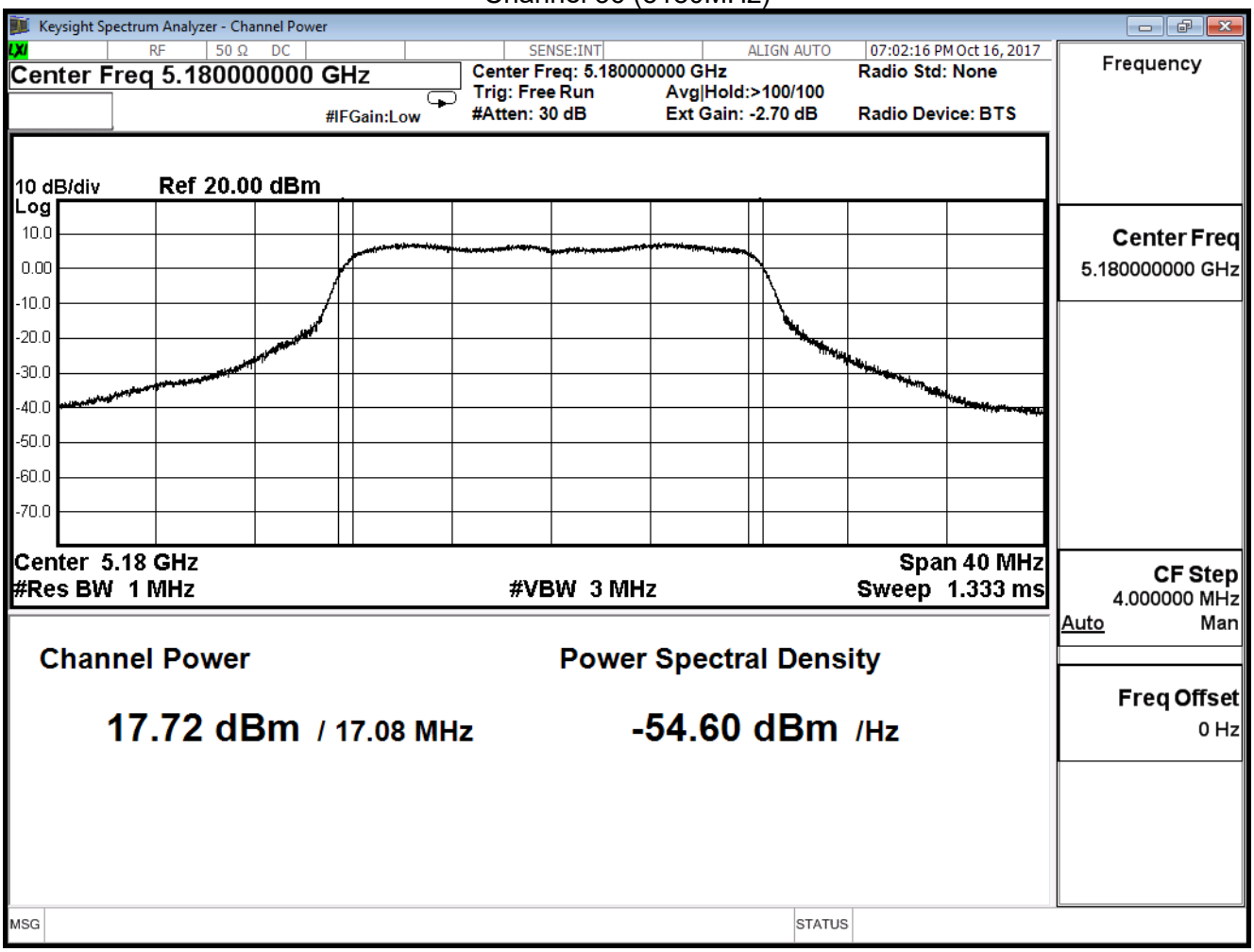
802.11a (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
36	5180	17.720	≦30
44	5220	16.520	≦30
48	5240	17.130	≦30

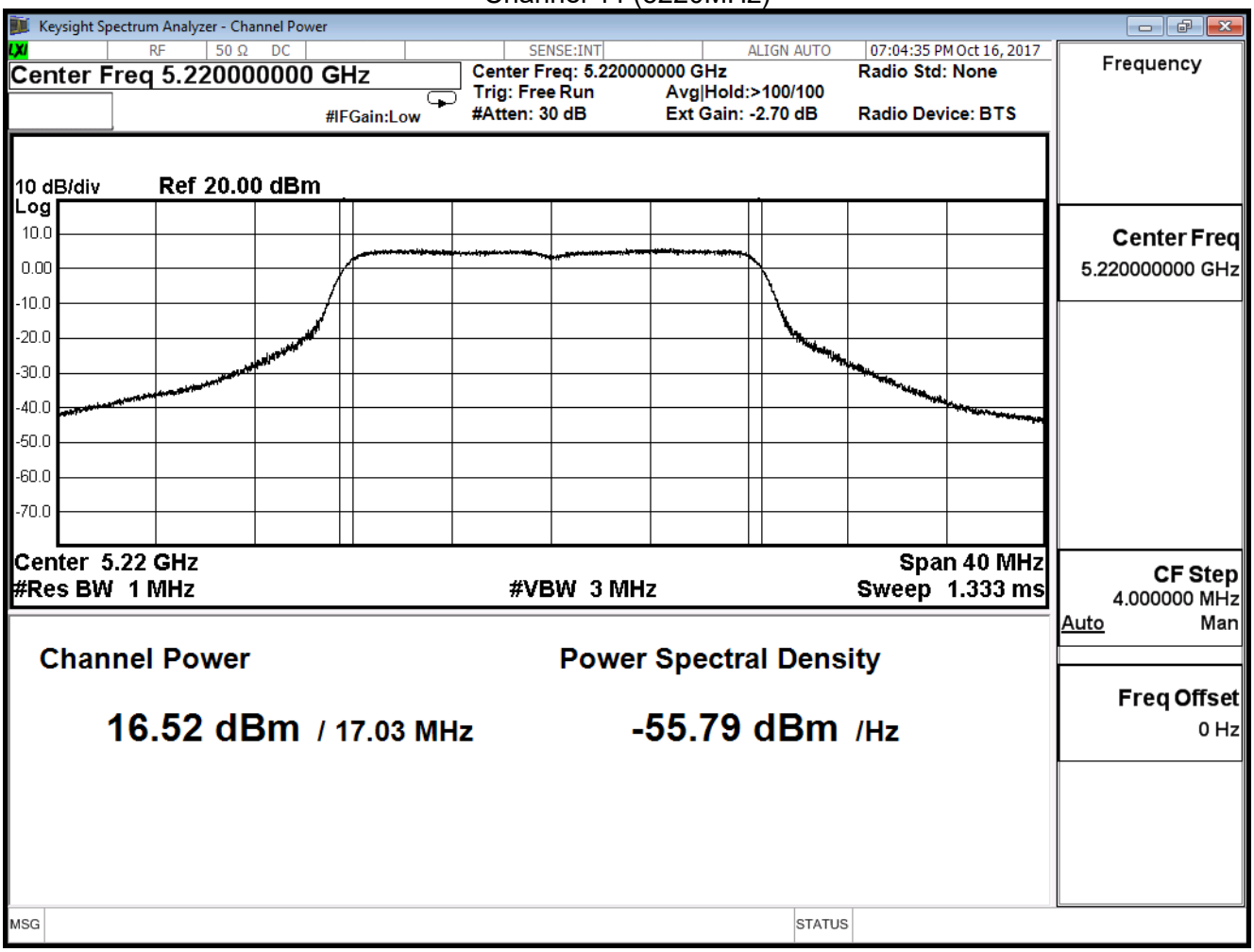
The worst emission of data rate is 6 Mbps

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
36	5180	17.720	--	--	--	--	--	--	≦30dBm
44	5220	16.520	16.260	16.000	15.740	15.480	15.220	14.960	
48	5240	17.130	--	--	--	--	--	--	

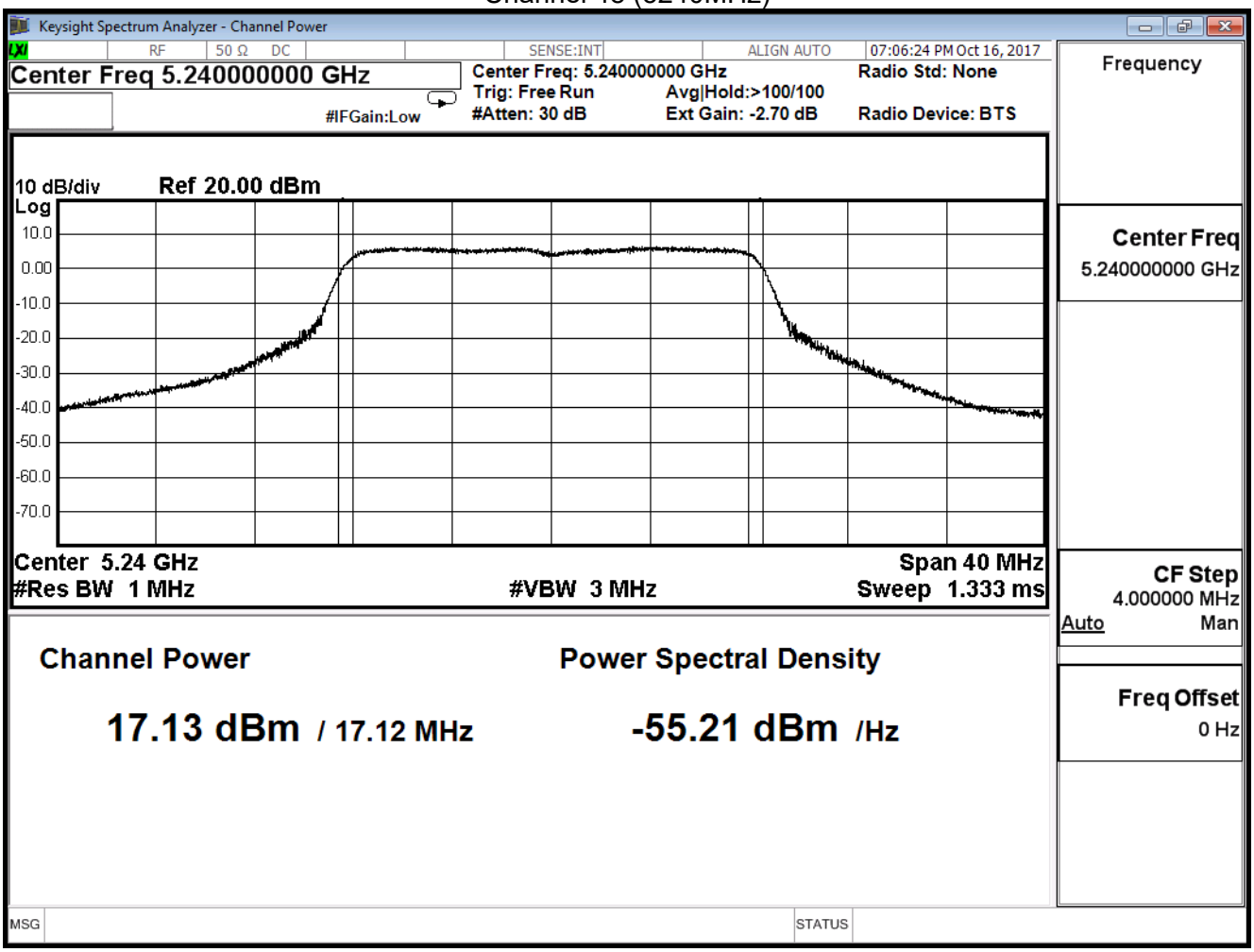
Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



Product	Gigabit Broadband Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: TX CDD_ ADP 1		
Date of Test	2017/10/16	Test Site	SR10-H

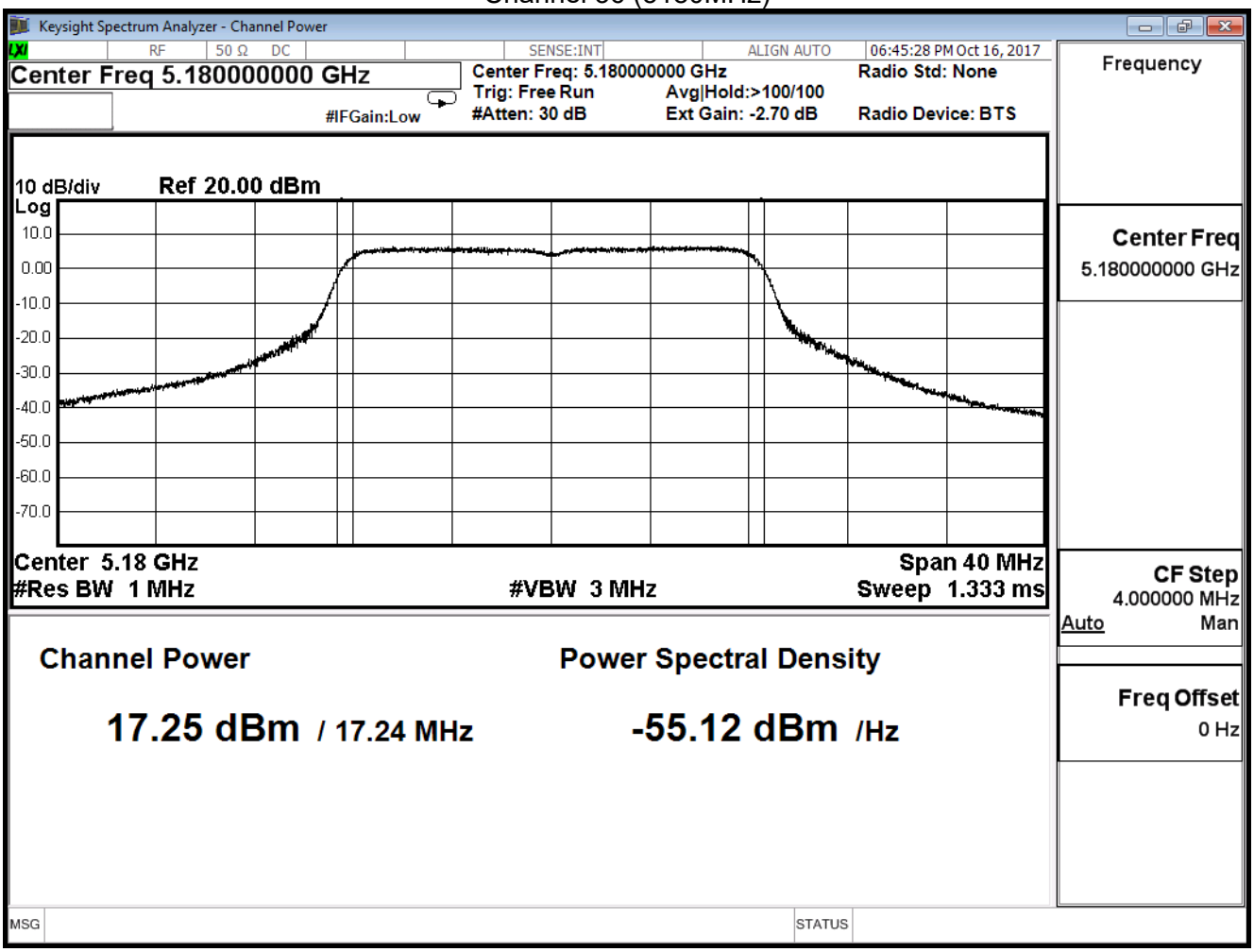
802.11a (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
36	5180	17.250	≦30
44	5220	16.140	≦30
48	5240	16.610	≦30

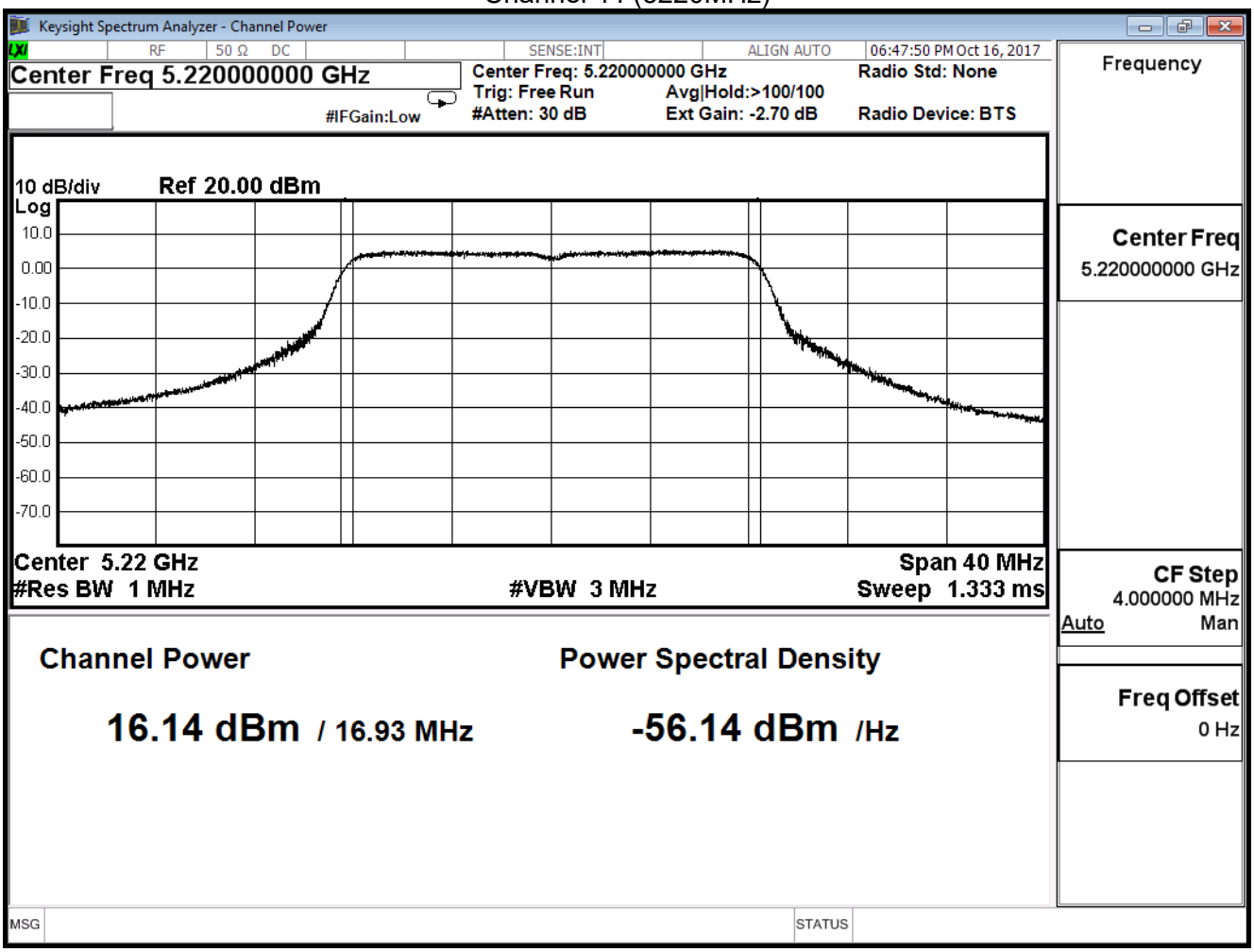
The worst emission of data rate is 6 Mbps

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
36	5180	17.250	--	--	--	--	--	--	≦30 dBm
44	5220	16.140	15.880	15.620	15.360	15.100	14.840	14.580	
48	5240	16.610	--	--	--	--	--	--	

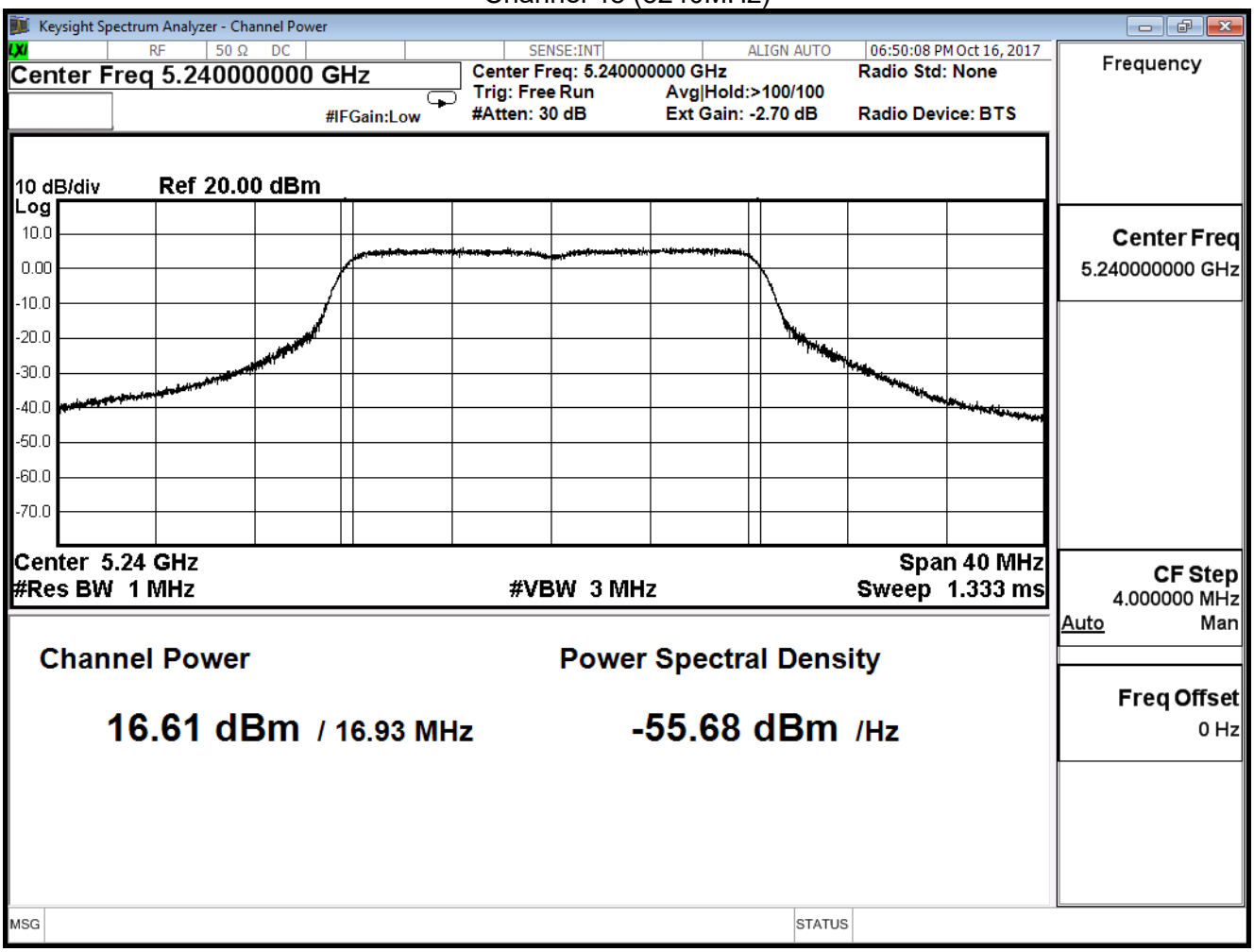
Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



Product	Gigabit Broadband Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: TX CDD_ ADP 1		
Date of Test	2017/10/16	Test Site	SR10-H

802.11a(ANT 0+1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
36	5180	20.502	≦30
44	5220	19.344	≦30
48	5240	19.888	≦30

Product	Gigabit Broadband Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/10/16	Test Site	SR10-H

IEEE 802.11n(20MHz)(ANT 0)

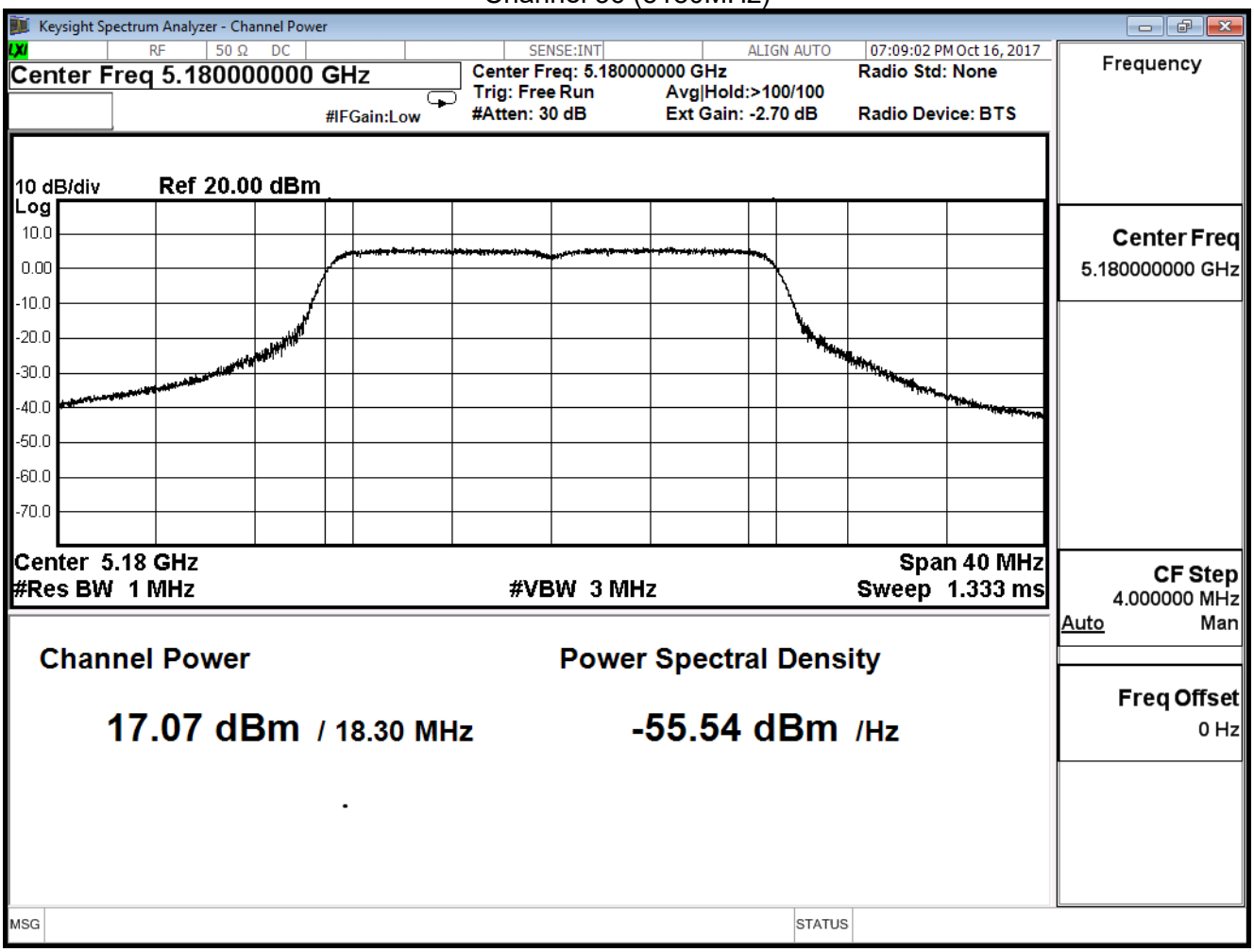
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)
36	5180	17.070	≦28.87
44	5220	17.480	≦28.87
48	5240	17.940	≦28.87

Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi
Limit = 30-(7.13-6) = 28.87dBm

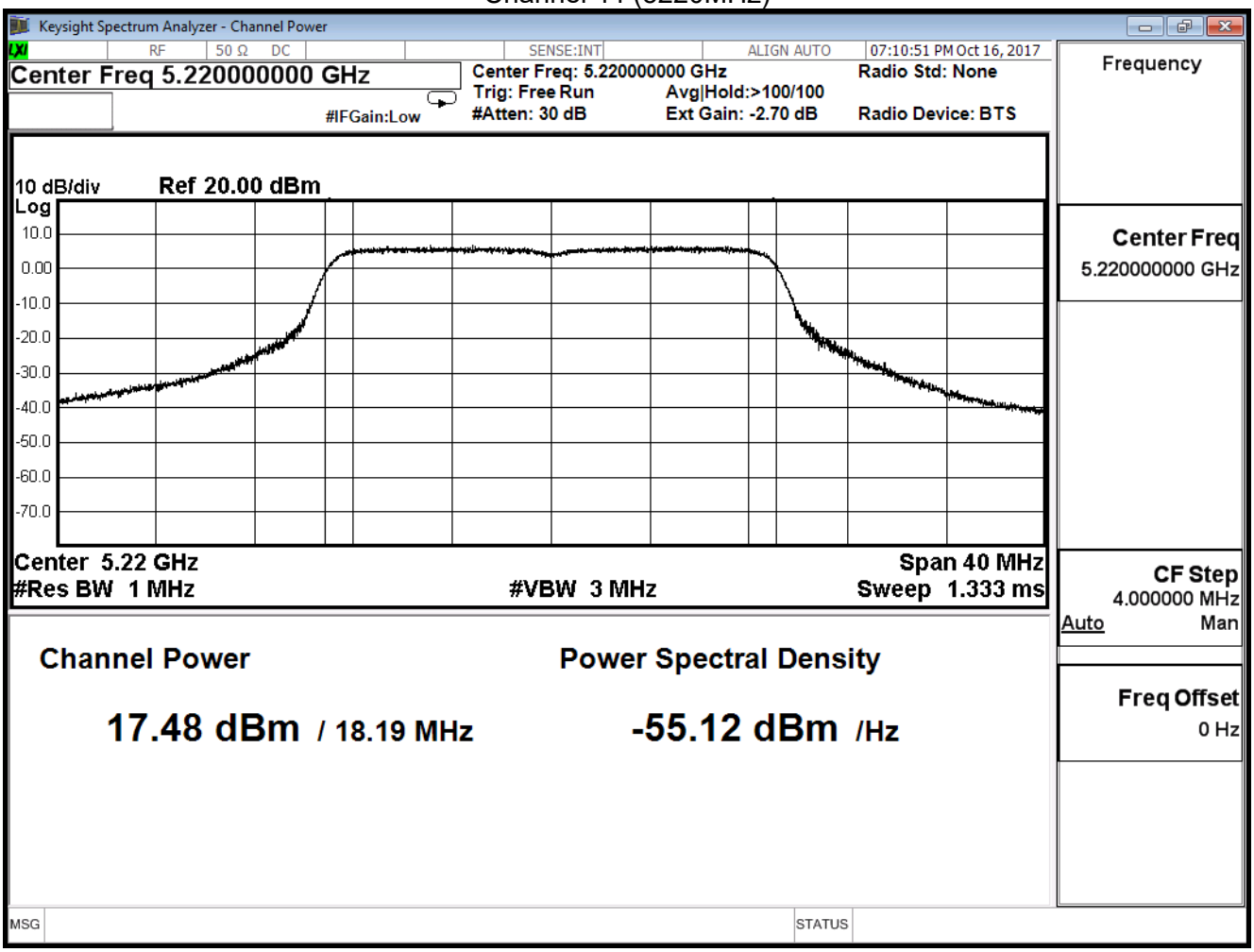
The worst emission of data rate is MCS8

Peak Power Output (dBm)										
Channel No	Frequency (MHz)	MCS index								Required Limit
		8	9	10	11	12	13	14	15	
36	5180	17.070	--	--	--	--	--	--	--	≦28.87 dBm
44	5220	17.480	17.210	16.940	16.670	16.400	16.130	15.860	15.590	
48	5240	17.940	--	--	--	--	--	--	--	

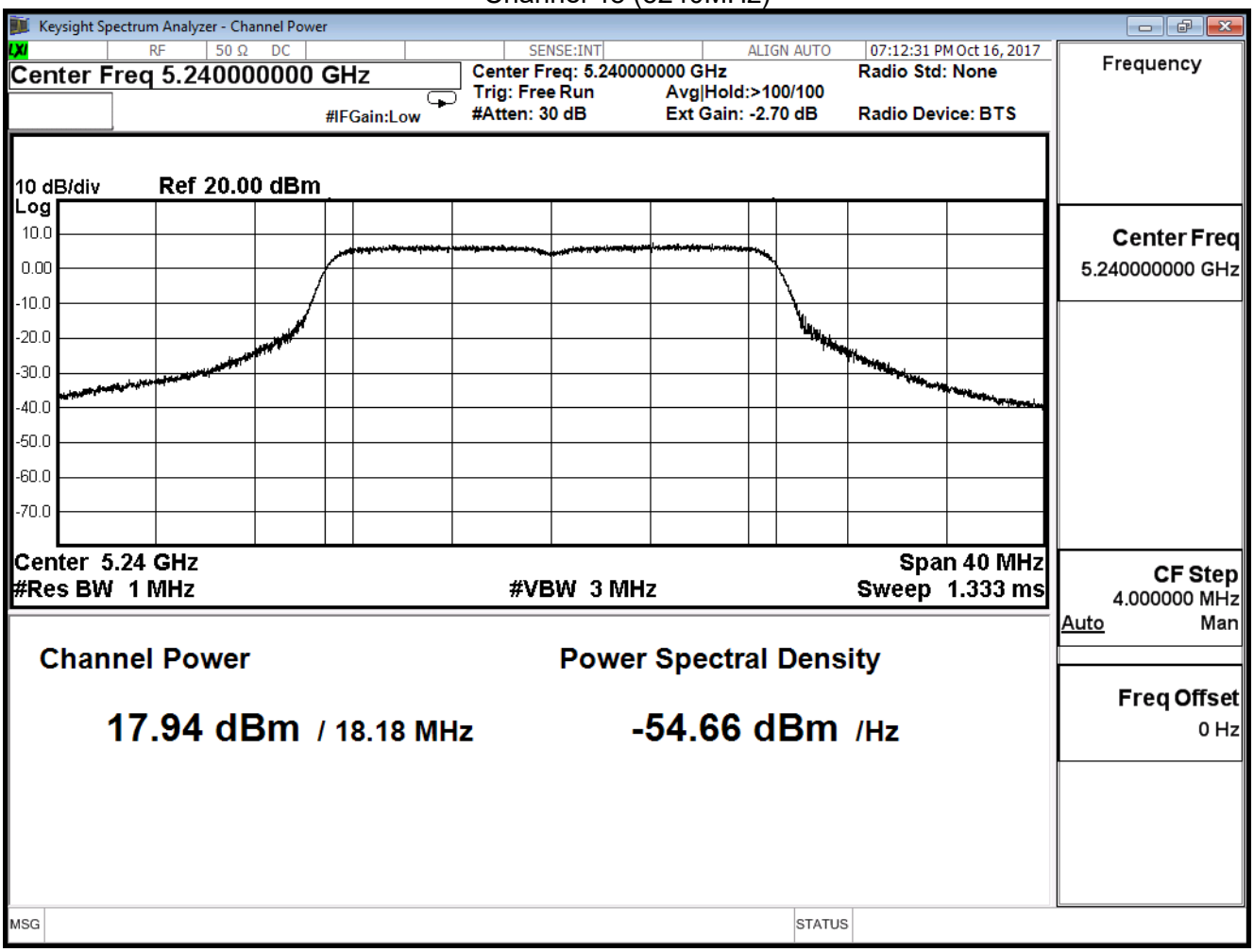
Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



Product	Gigabit Broadband Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/10/16	Test Site	SR10-H

IEEE 802.11n(20MHz)(ANT 1)

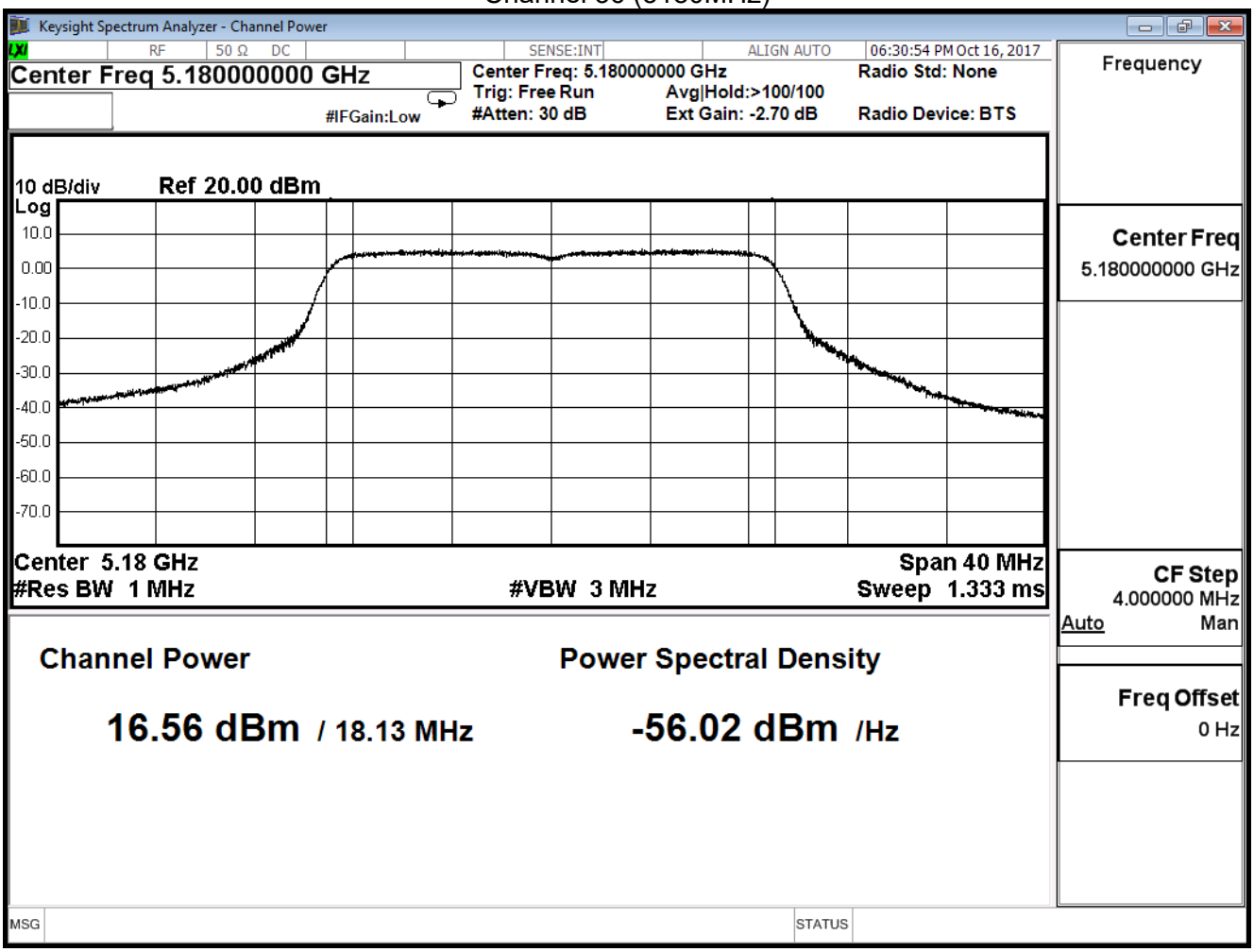
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)
36	5180	16.560	≦28.87
44	5220	16.920	≦28.87
48	5240	17.510	≦28.87

Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi
Limit = 30-(7.13-6) = 28.87dBm

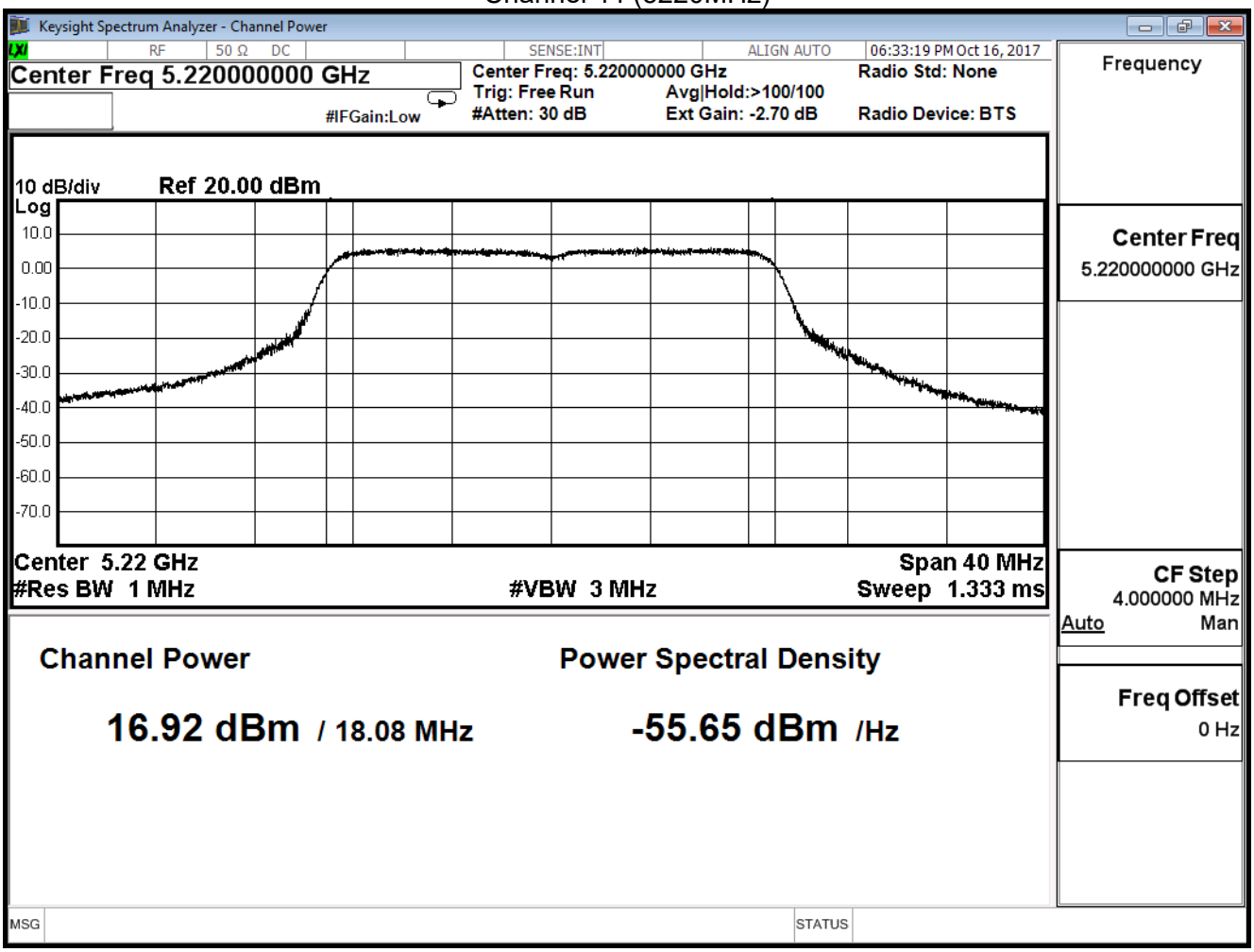
The worst emission of data rate is MCS8

Peak Power Output (dBm)										
Channel No	Frequency (MHz)	MCS index								Required Limit
		8	9	10	11	12	13	14	15	
36	5180	16.560	--	--	--	--	--	--	--	≦28.87 dBm
44	5220	16.920	16.650	16.380	16.110	15.840	15.570	15.300	15.030	
48	5240	17.510	--	--	--	--	--	--	--	

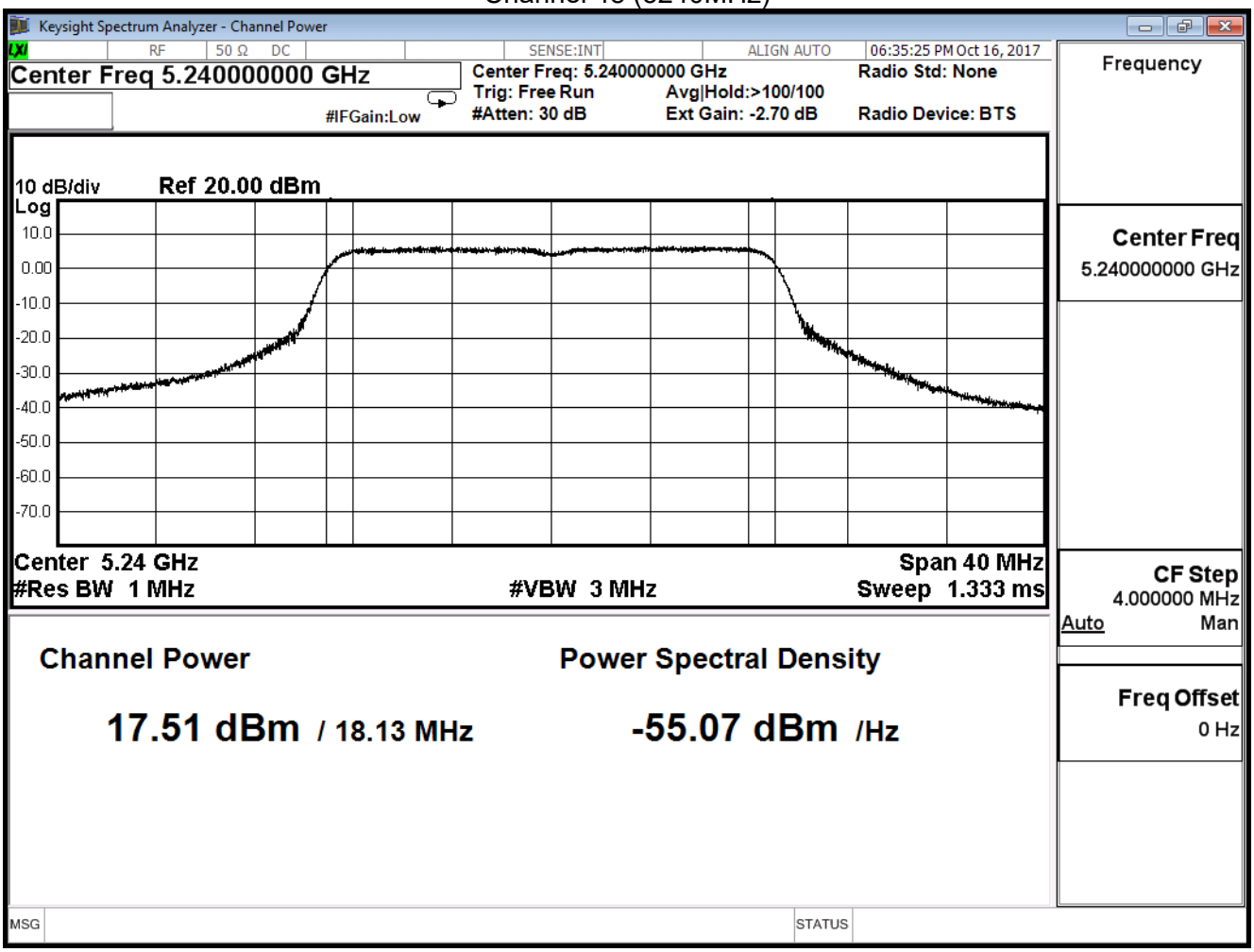
Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



Product	Gigabit Broadband Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/10/16	Test Site	SR10-H

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)
36	5180	19.833	≦28.87
44	5220	20.219	≦28.87
48	5240	20.741	≦28.87

Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi
Limit = 30-(7.13-6) = 28.87dBm

Product	Gigabit Broadband Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/10/16	Test Site	SR10-H

IEEE 802.11n(40MHz)(ANT 0)

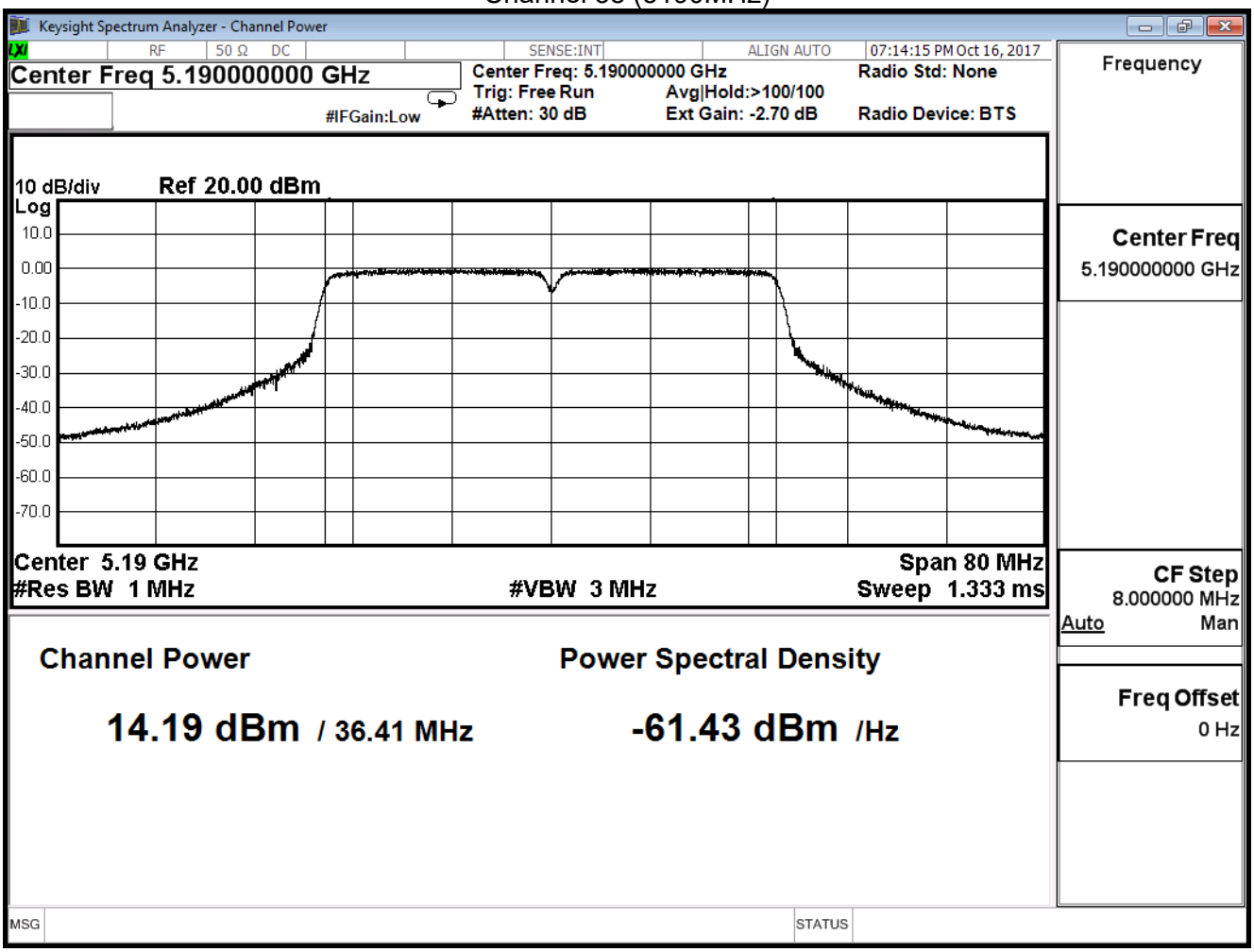
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)
38	5190	14.190	≦28.87
46	5230	19.980	≦28.87

Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi
Limit = 30-(7.13-6) = 28.87dBm

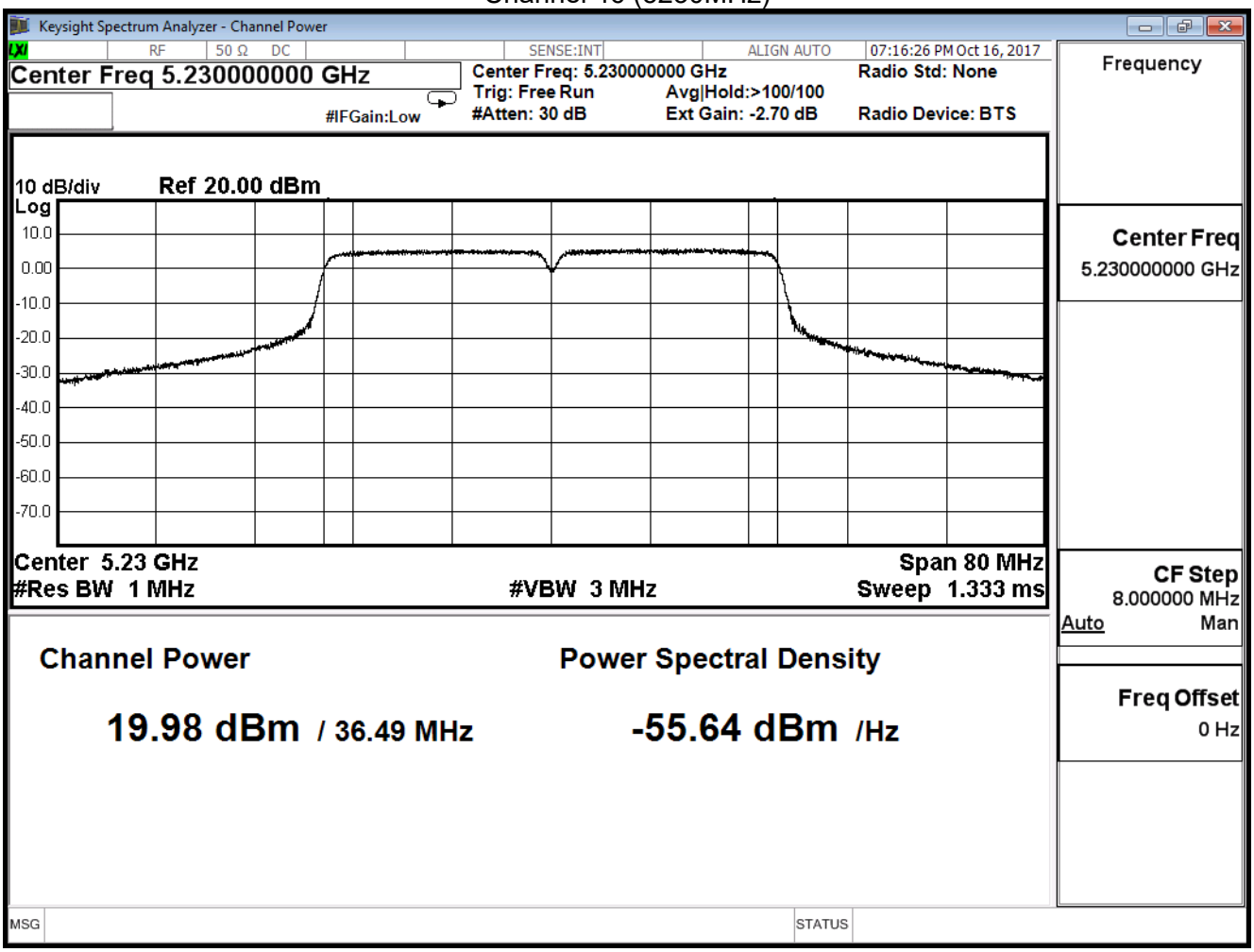
The worst emission of data rate is MCS8

Peak Power Output (dBm)										
Channel No	Frequency (MHz)	MCS index								Required Limit
		8	9	10	11	12	13	14	15	
38	5190	14.190	--	--	--	--	--	--	--	≦28.87 dBm
46	5230	19.980	19.710	19.440	19.170	18.900	18.630	18.360	18.090	

Channel 38 (5190MHz)



Channel 46 (5230MHz)



Product	Gigabit Broadband Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/10/16	Test Site	SR10-H

IEEE 802.11n(40MHz)(ANT 1)

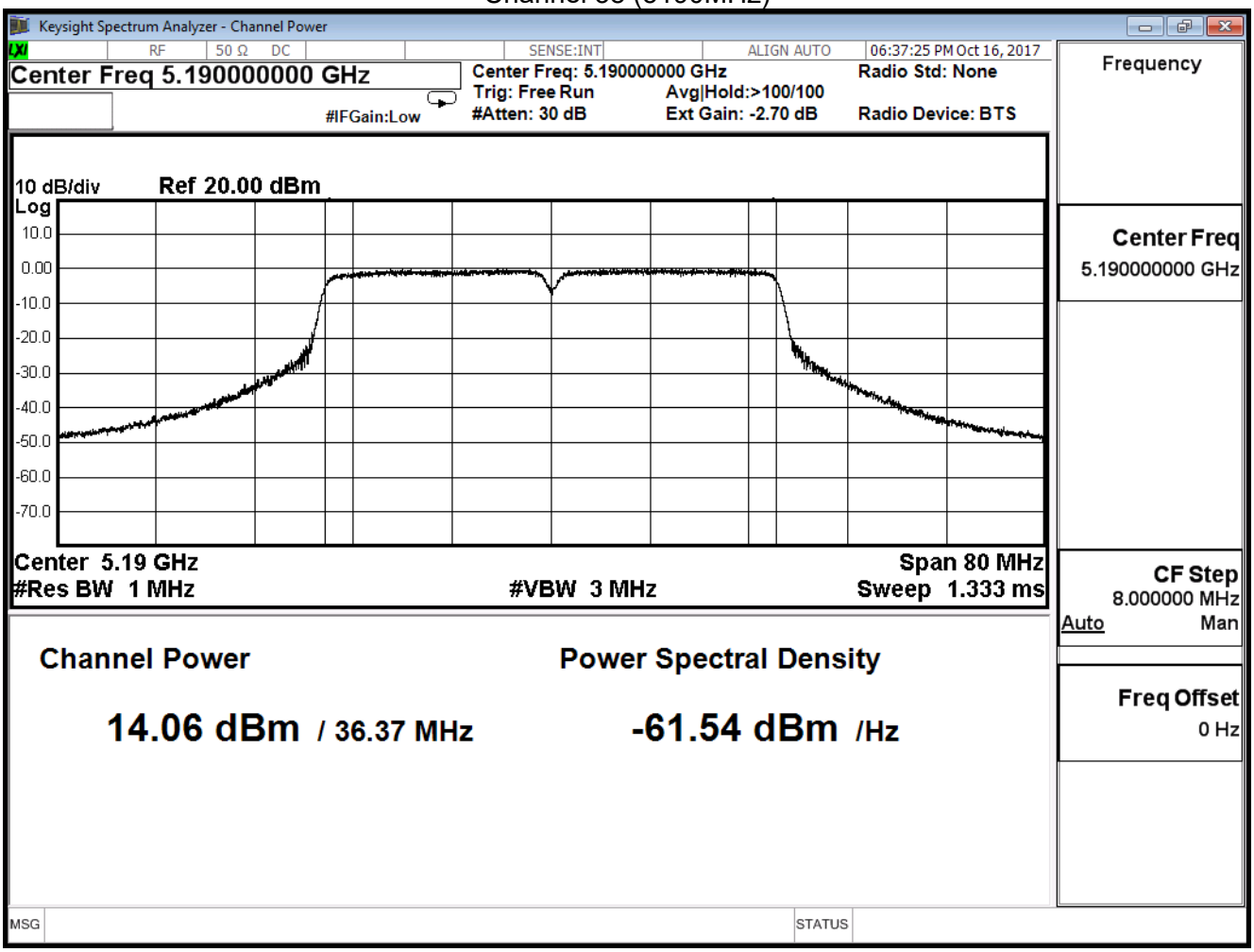
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)
38	5190	14.060	≦28.87
46	5230	19.850	≦28.87

The worst emission of data rate is MCS8

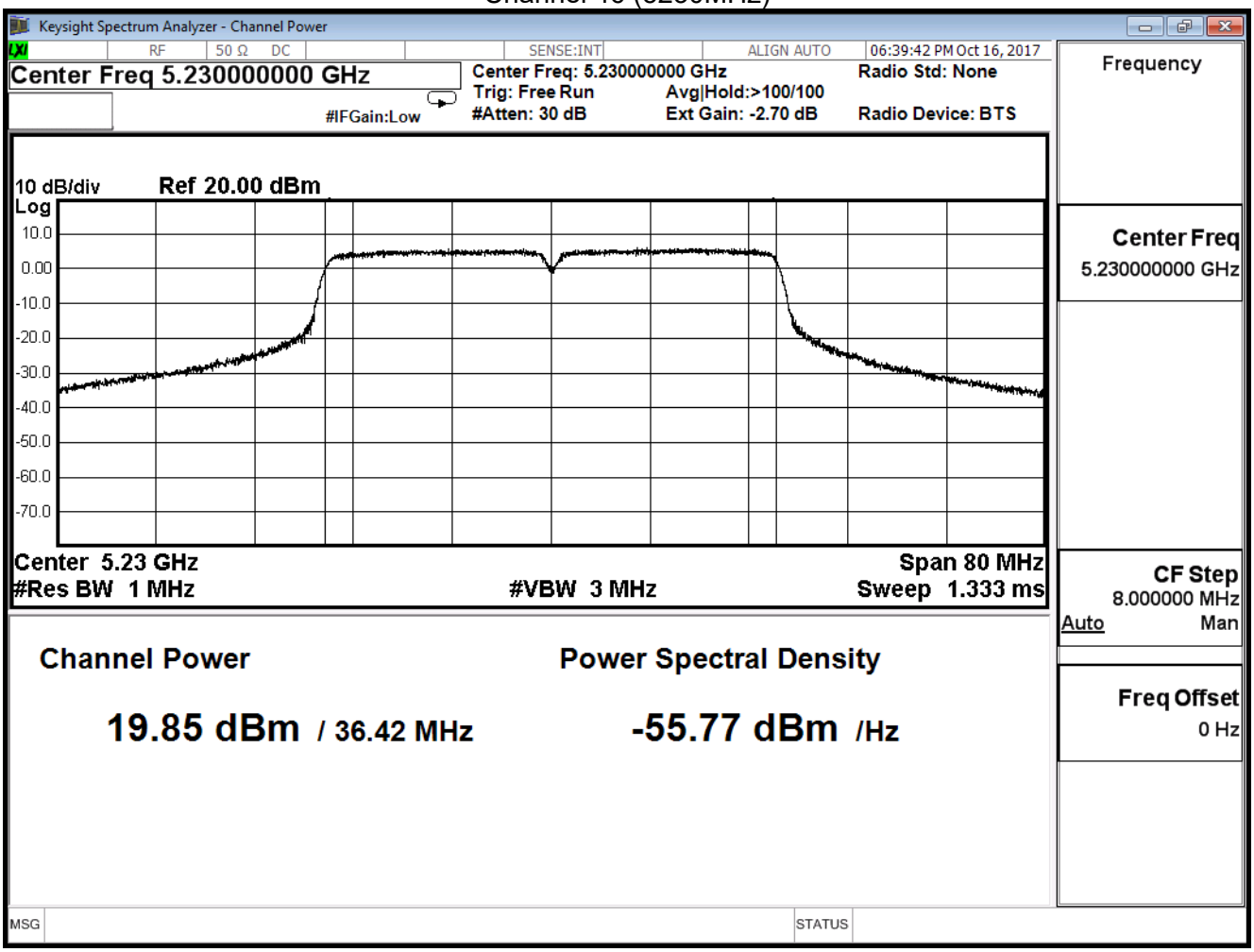
Peak Power Output (dBm)										
Channel No	Frequency (MHz)	MCS index								Required Limit
		8	9	10	11	12	13	14	15	
38	5190	14.060	--	--	--	--	--	--	--	≦28.87
46	5230	19.850	19.580	19.310	19.040	18.770	18.500	18.230	17.960	dBm

Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi
Limit = 30-(7.13-6) = 28.87dBm

Channel 38 (5190MHz)



Channel 46 (5230MHz)



Product	Gigabit Broadband Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/10/16	Test Site	SR10-H

IEEE 802.11n(40MHz)(ANT 0+1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)
38	5190	17.136	≦28.87
46	5230	22.926	≦28.87

Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi
Limit = 30-(7.13-6) = 28.87dBm

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

IEEE802.11ac(80MHz)(ANT 0)

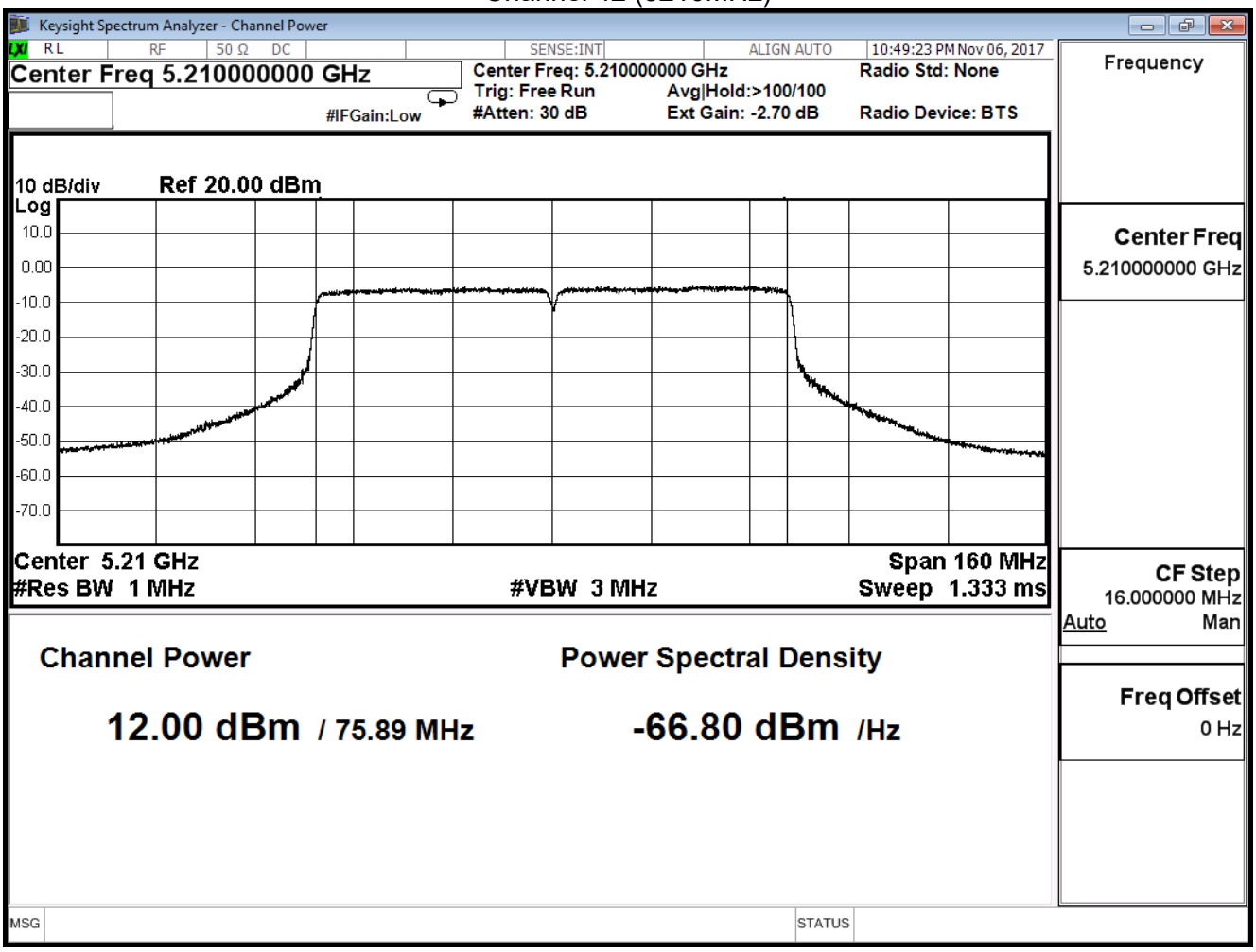
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)
42	5210	12.000	≦28.87

Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi
Limit = 30-(7.13-6) = 28.87dBm

The worst emission of data rate is MCS0

Peak Power Output (dBm)												
Channel No	Frequency (MHz)	MCS index										Required Limit
		0	1	2	3	4	5	6	7	8	9	
42	5210	12.000	11.760	11.520	11.290	11.040	10.820	10.560	10.330	10.070	9.830	≦28.87 dBm

Channel 42 (5210MHz)



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

IEEE802.11ac(80MHz)(ANT 1)

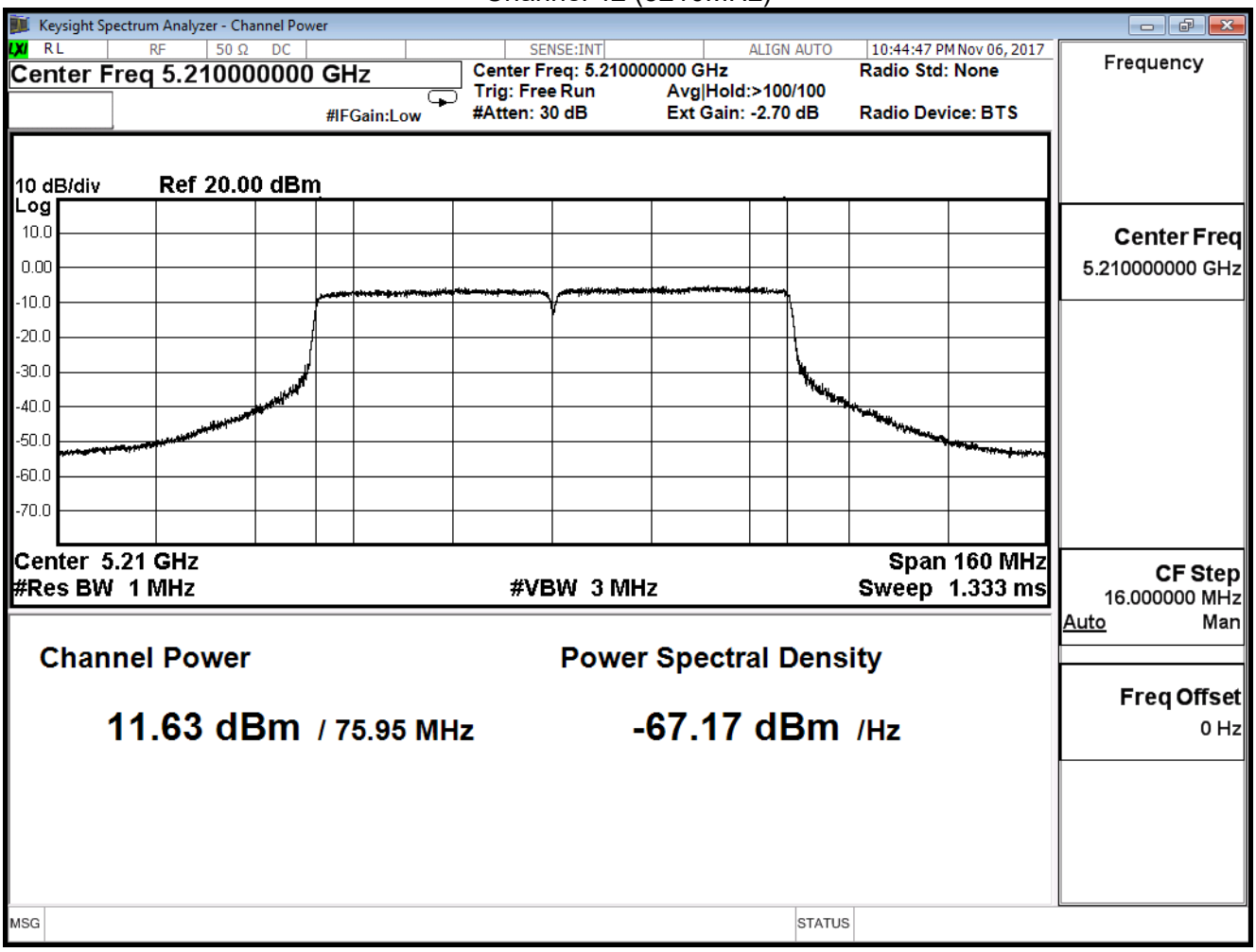
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)
42	5210	11.630	≦28.87

Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi
Limit = 30-(7.13-6) = 28.87dBm

The worst emission of data rate is MCS0

Peak Power Output (dBm)												
Channel No	Frequency (MHz)	MCS index										Required Limit
		0	1	2	3	4	5	6	7	8	9	
42	5210	11.630	11.380	11.140	10.900	10.670	10.440	10.180	9.960	9.690	9.430	≦28.87 dBm

Channel 42 (5210MHz)



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

IEEE802.11ac(80MHz)(ANT 0+1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)
42	5210	14.829	≦28.87

Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi
Limit = 30-(7.13-6) = 28.87dBm

Product	Gigabit Broadband Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: TX CDD_ADP 1		
Date of Test	2017/10/16	Test Site	SR10-H

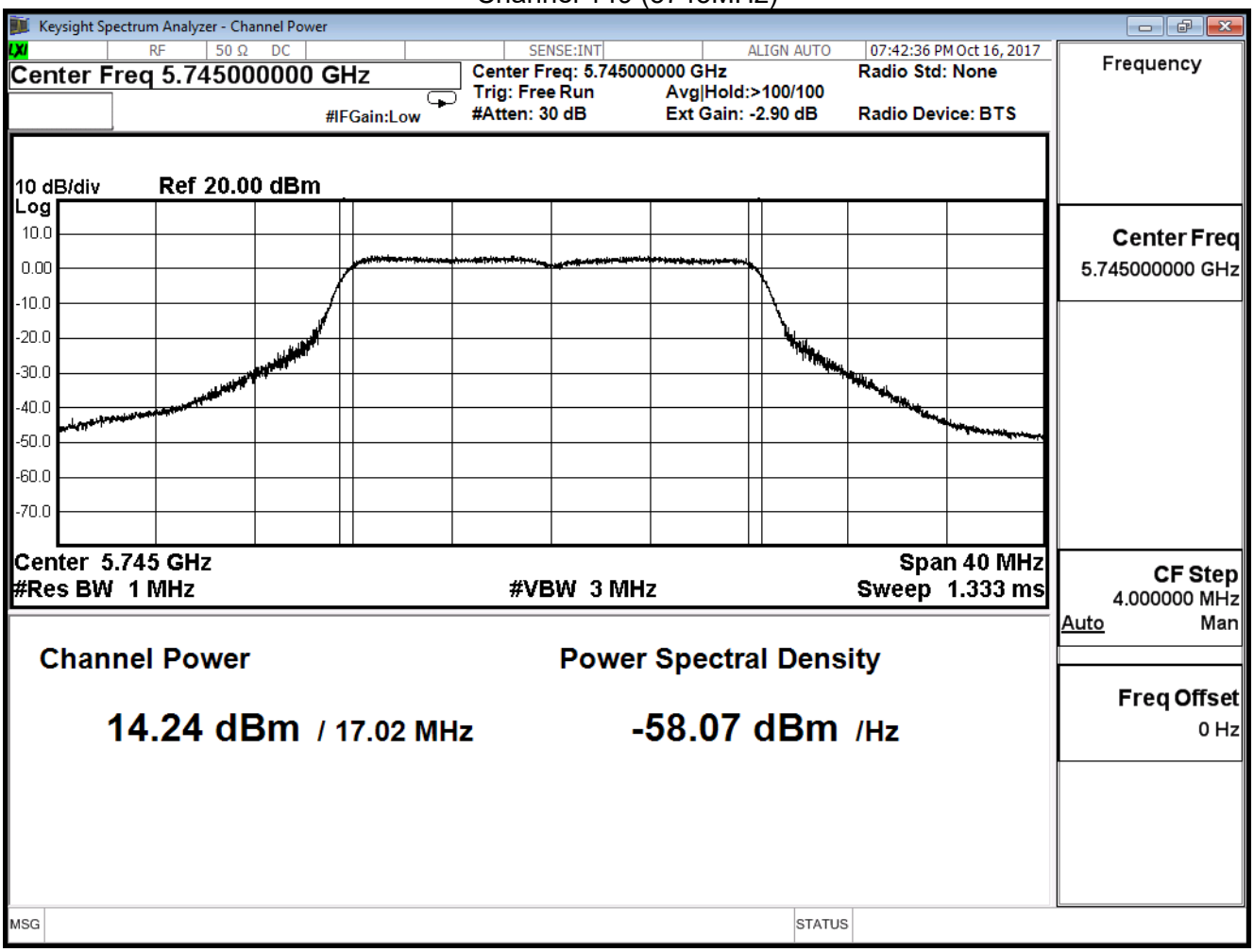
IEEE 802.11a (ANT 0)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	14.240	≦30
157	5785	14.280	≦30
165	5825	13.730	≦30

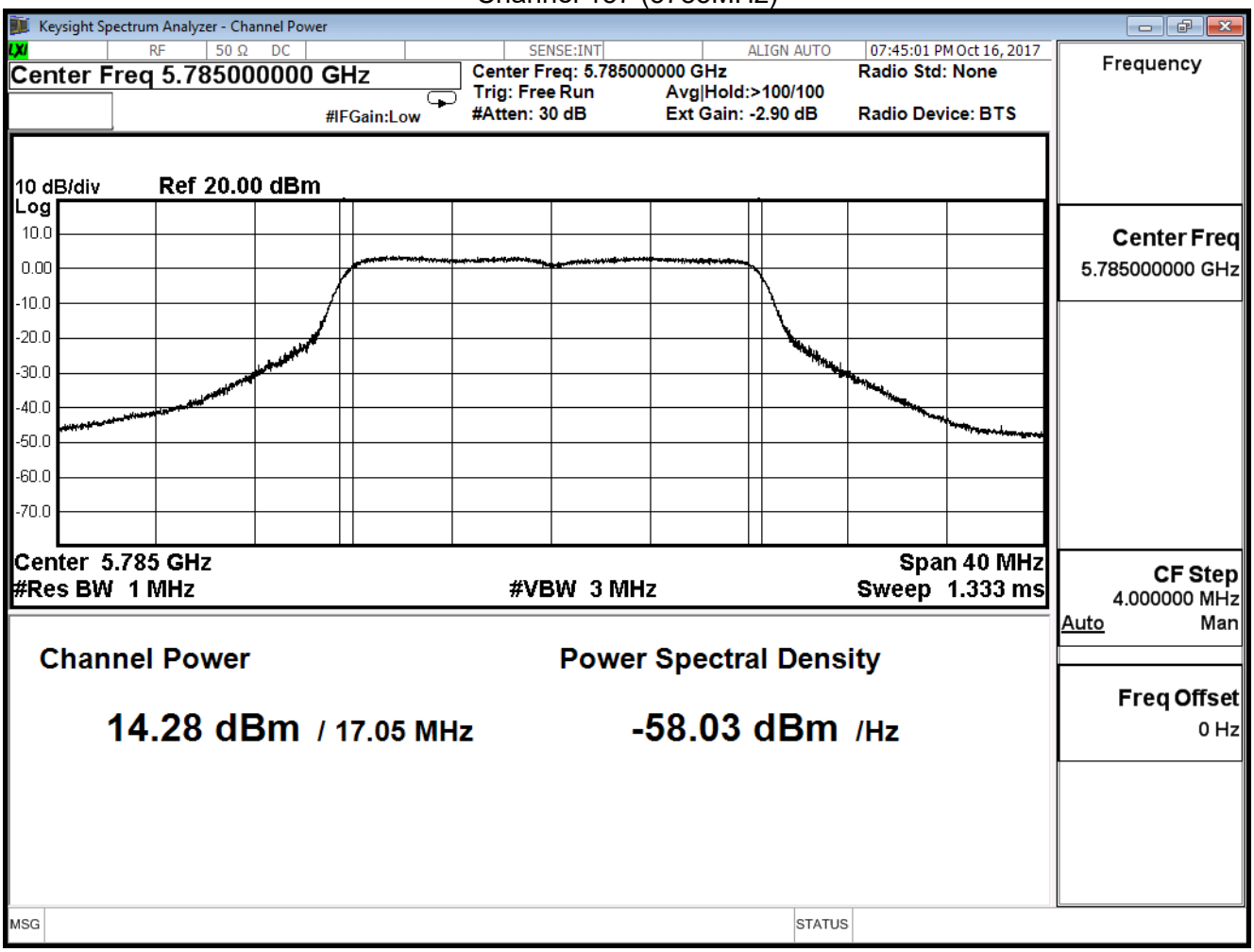
The worst emission of data rate is 6Mbps.

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
149	5745	14.240	--	--	--	--	--	--	≦30 dBm
157	5785	14.280	14.040	13.800	13.560	13.320	13.080	12.840	
165	5825	13.730	--	--	--	--	--	--	

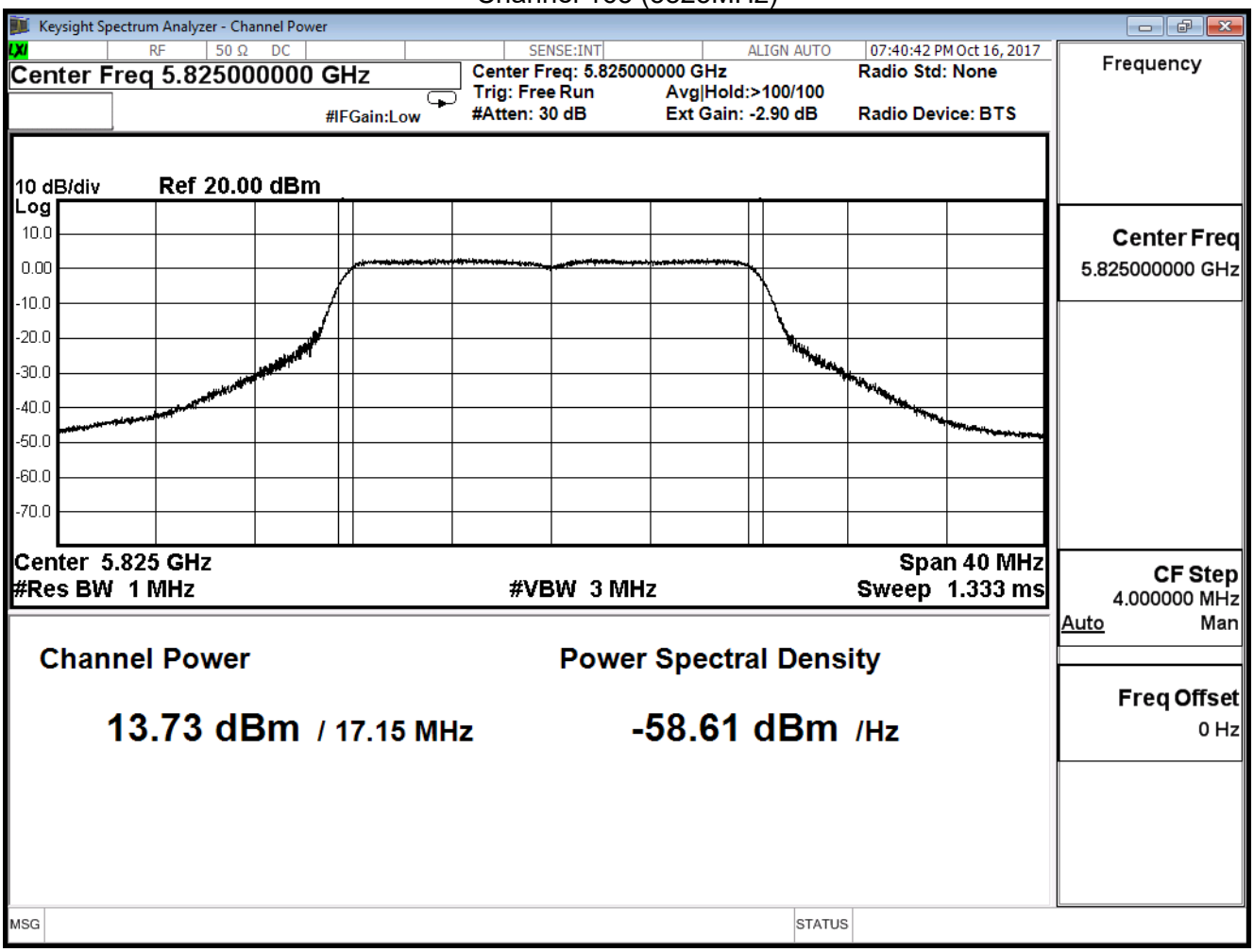
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



Product	Gigabit Broadband Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: TX CDD_ADP 1		
Date of Test	2017/10/16	Test Site	SR10-H

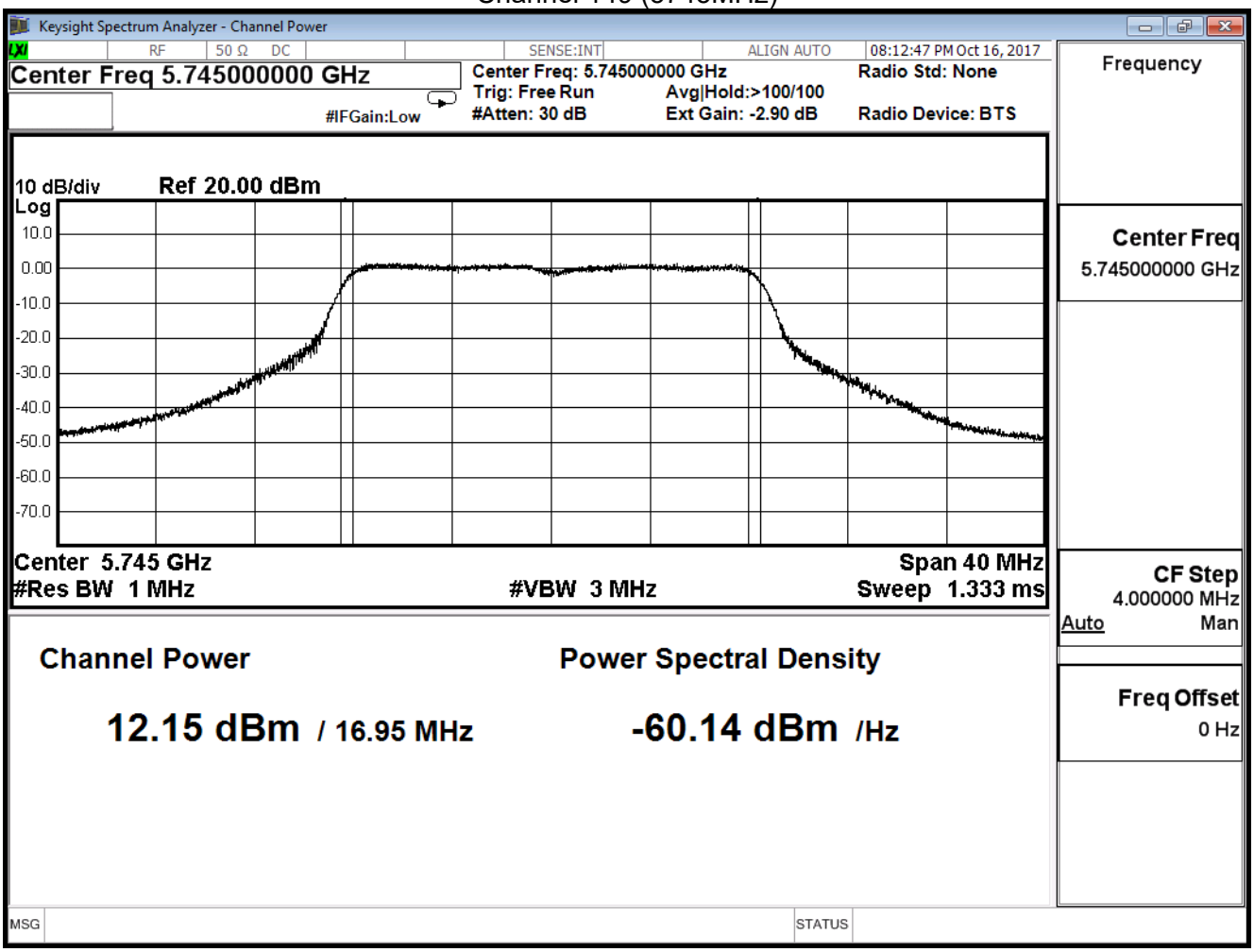
IEEE 802.11a (ANT 1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	12.150	≦30
157	5785	12.220	≦30
165	5825	11.660	≦30

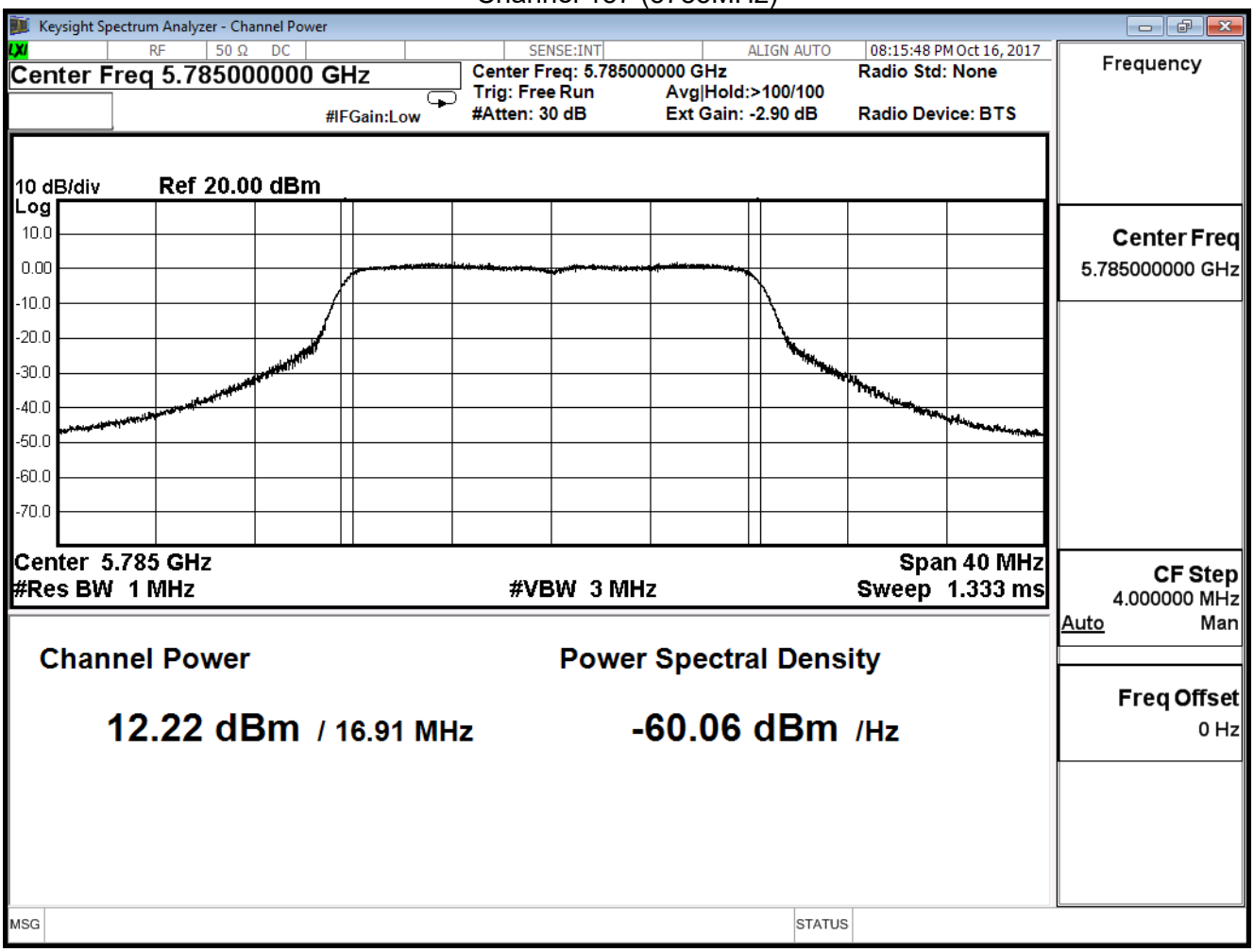
The worst emission of data rate is 6Mbps

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
149	5745	12.150	--	--	--	--	--	--	≦30 dBm
157	5785	12.220	11.980	11.740	11.500	11.260	11.020	10.780	
165	5825	11.660	--	--	--	--	--	--	

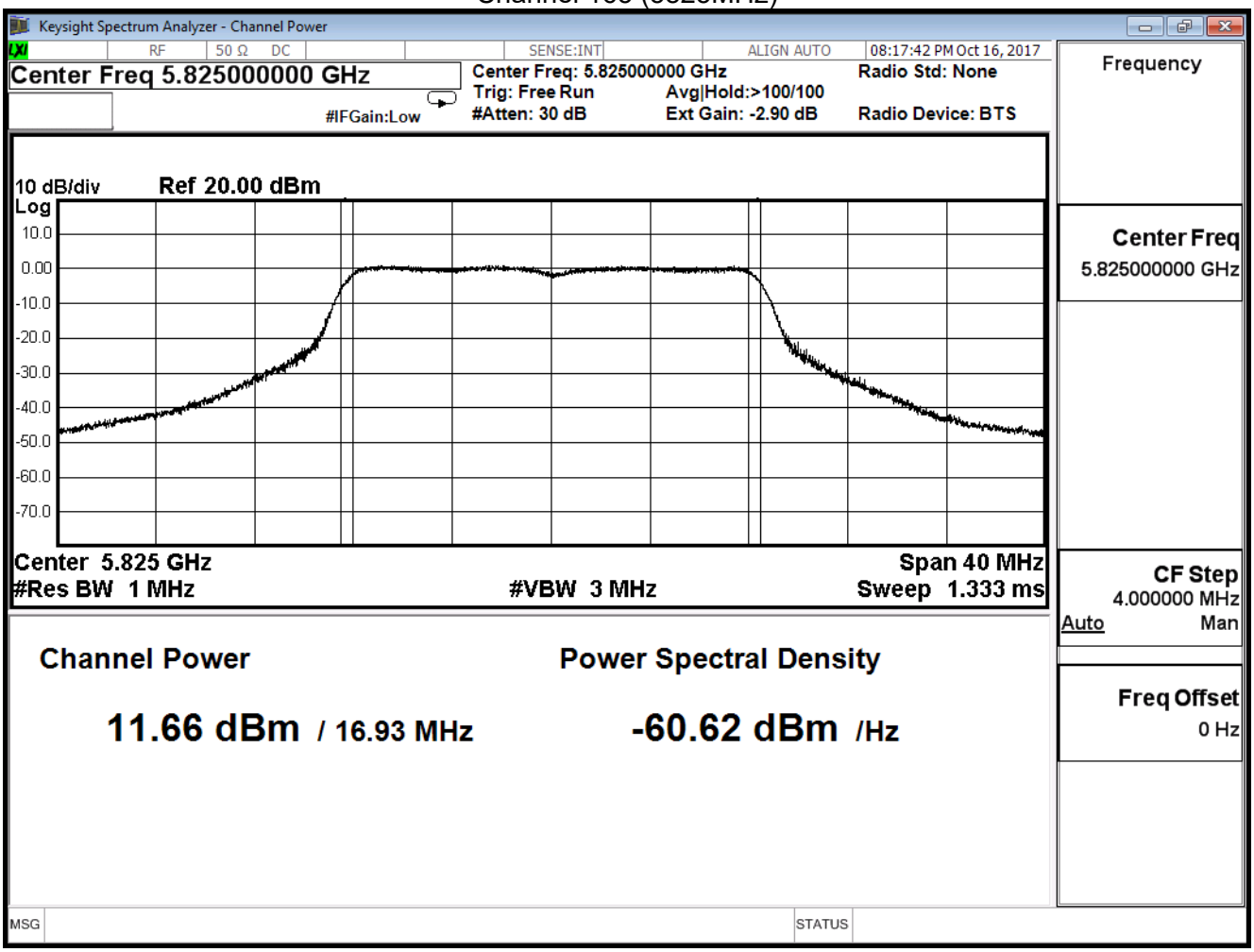
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



Product	Gigabit Broadband Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: TX CDD_ADP 1		
Date of Test	2017/10/16	Test Site	SR10-H

IEEE 802.11a (ANT 0+1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	16.330	≦30
157	5785	16.381	≦30
165	5825	15.827	≦30

Product	Gigabit Broadband Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/10/16	Test Site	SR10-H

IEEE 802.11n(20MHz) (ANT 0)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	14.180	≦28.87
157	5785	14.120	≦28.87
165	5825	13.640	≦28.87

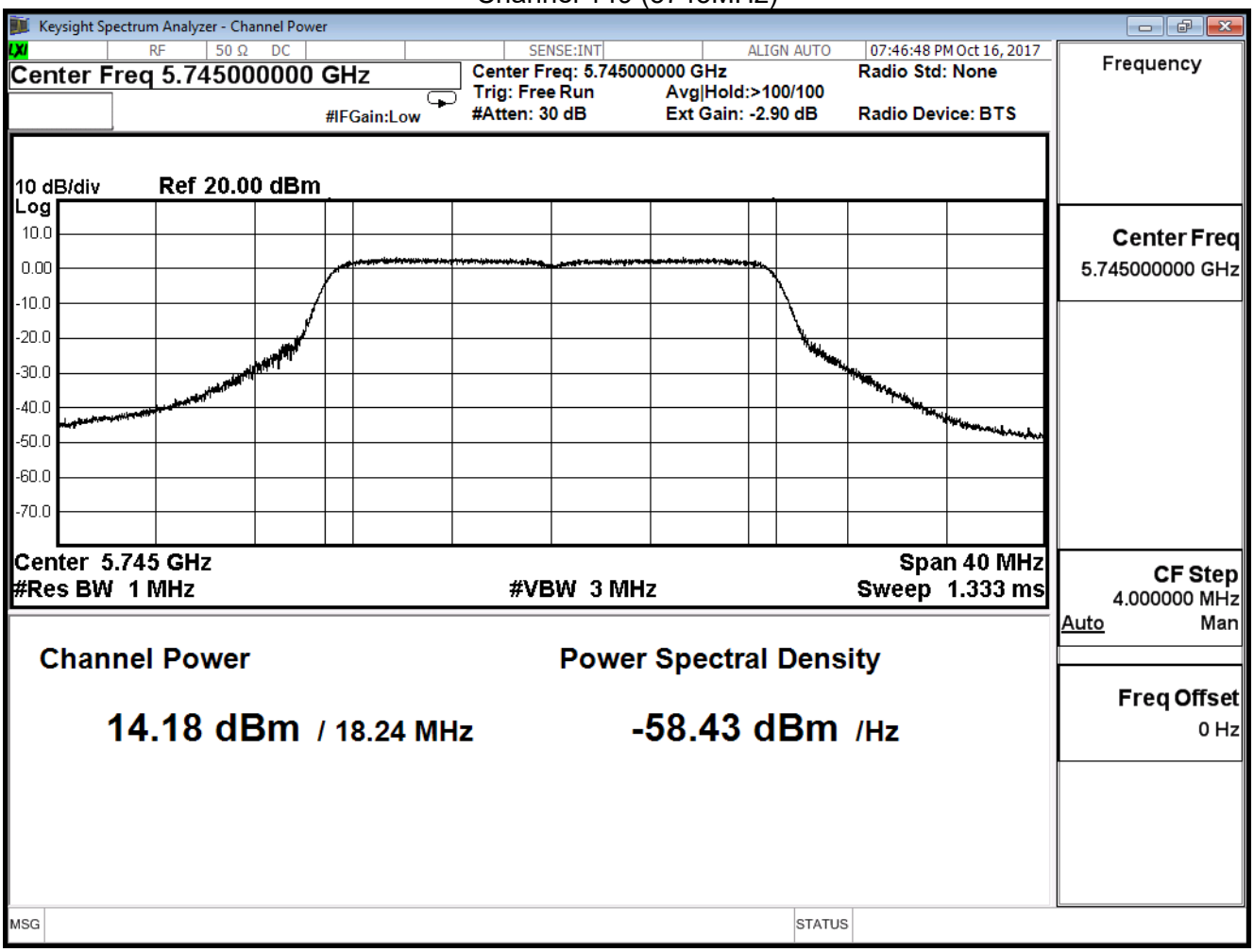
Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi

Limit = 30-(7.13-6) = 28.87dBm

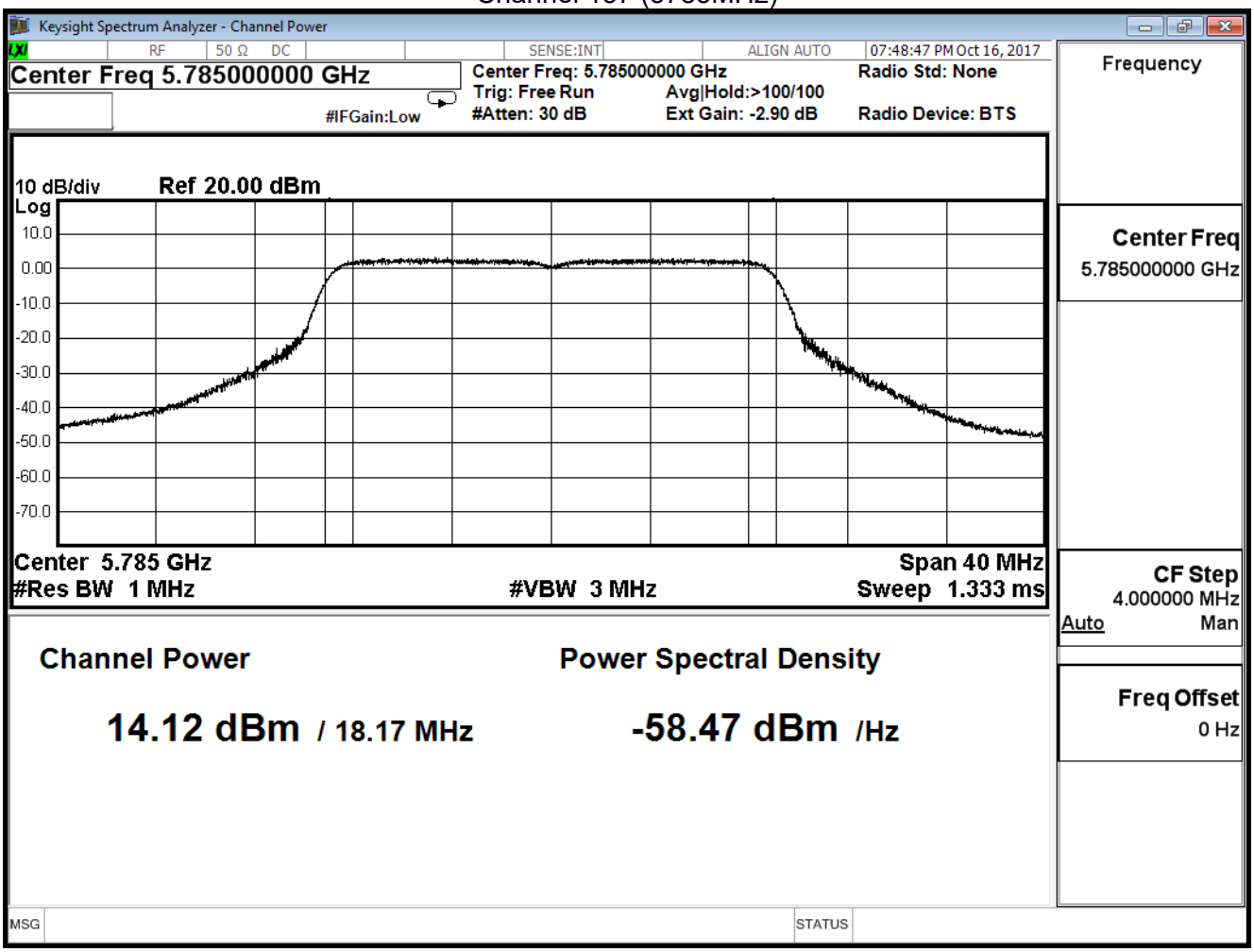
The worst emission of data rate is MCS8

Peak Power Output (dBm)										
Channel No	Frequency (MHz)	MCS index								Required Limit
		8	9	10	11	12	13	14	15	
149	5745	14.180	--	--	--	--	--	--	--	≦28.87 dBm
157	5785	14.120	13.880	13.640	13.400	13.160	12.920	12.680	12.440	
165	5825	13.640	--	--	--	--	--	--	--	

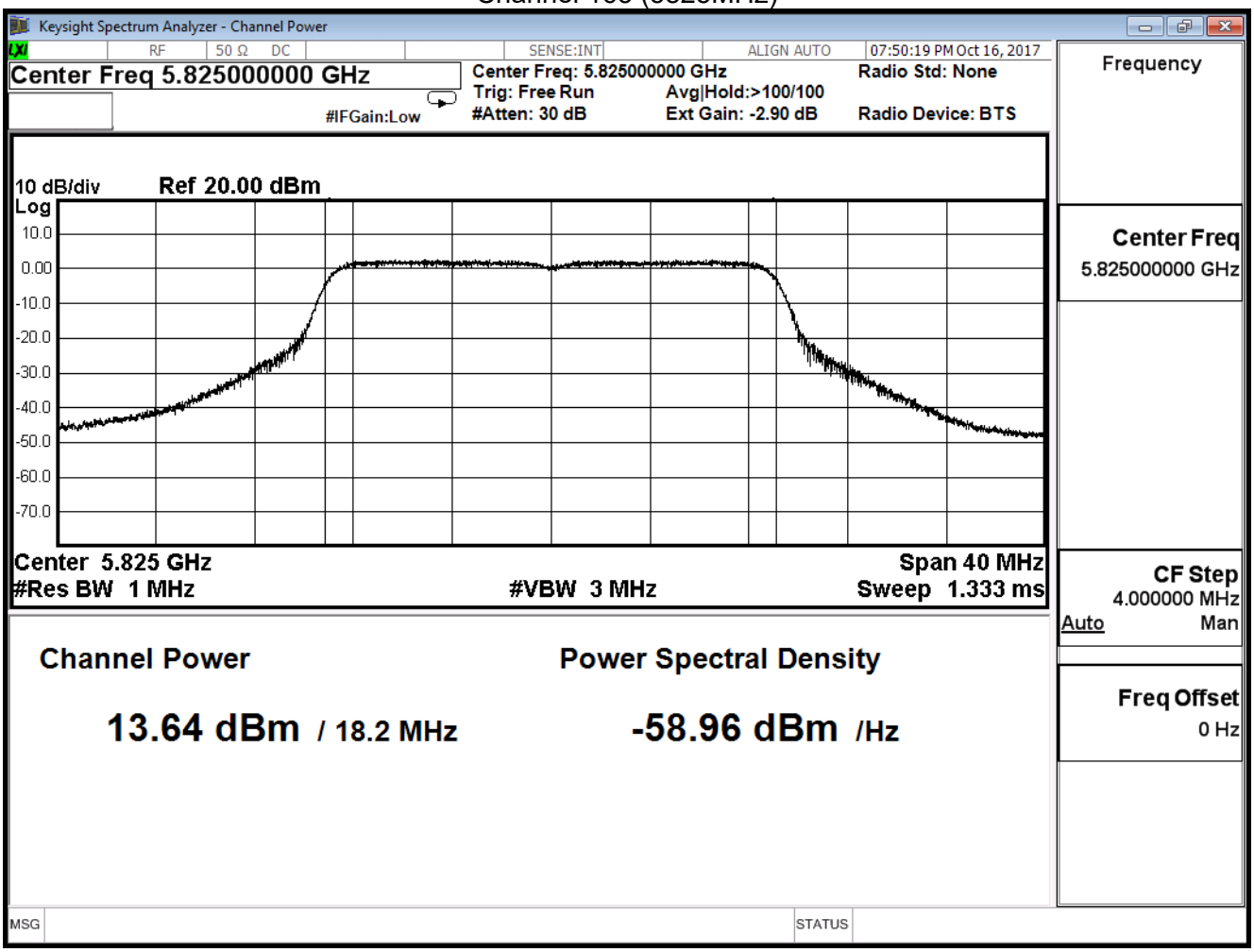
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



Product	Gigabit Broadband Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/10/16	Test Site	SR10-H

IEEE 802.11n(20MHz) (ANT 1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	11.960	≦28.87
157	5785	12.070	≦28.87
165	5825	11.460	≦28.87

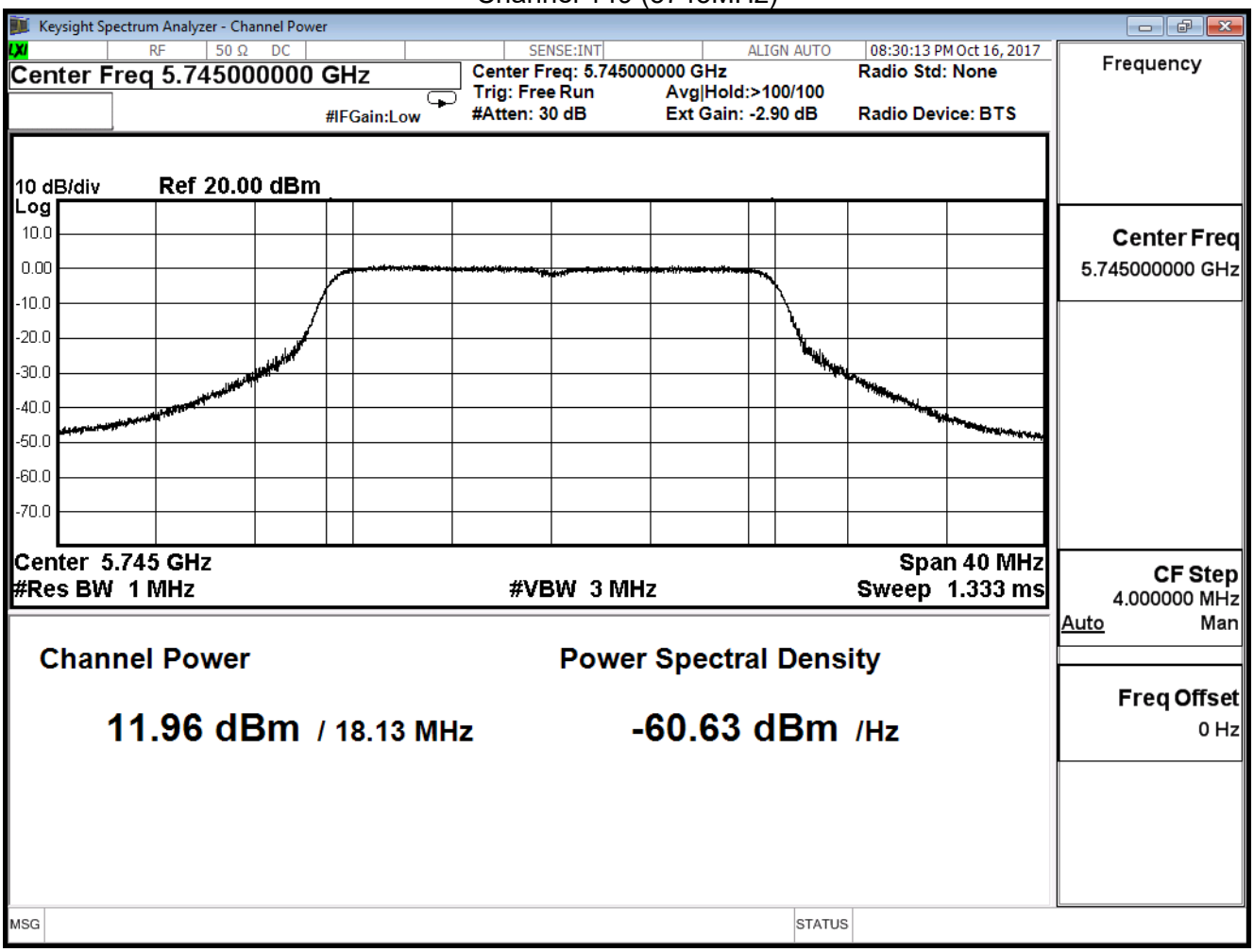
Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi

Limit = 30-(7.13-6) = 28.87dBm

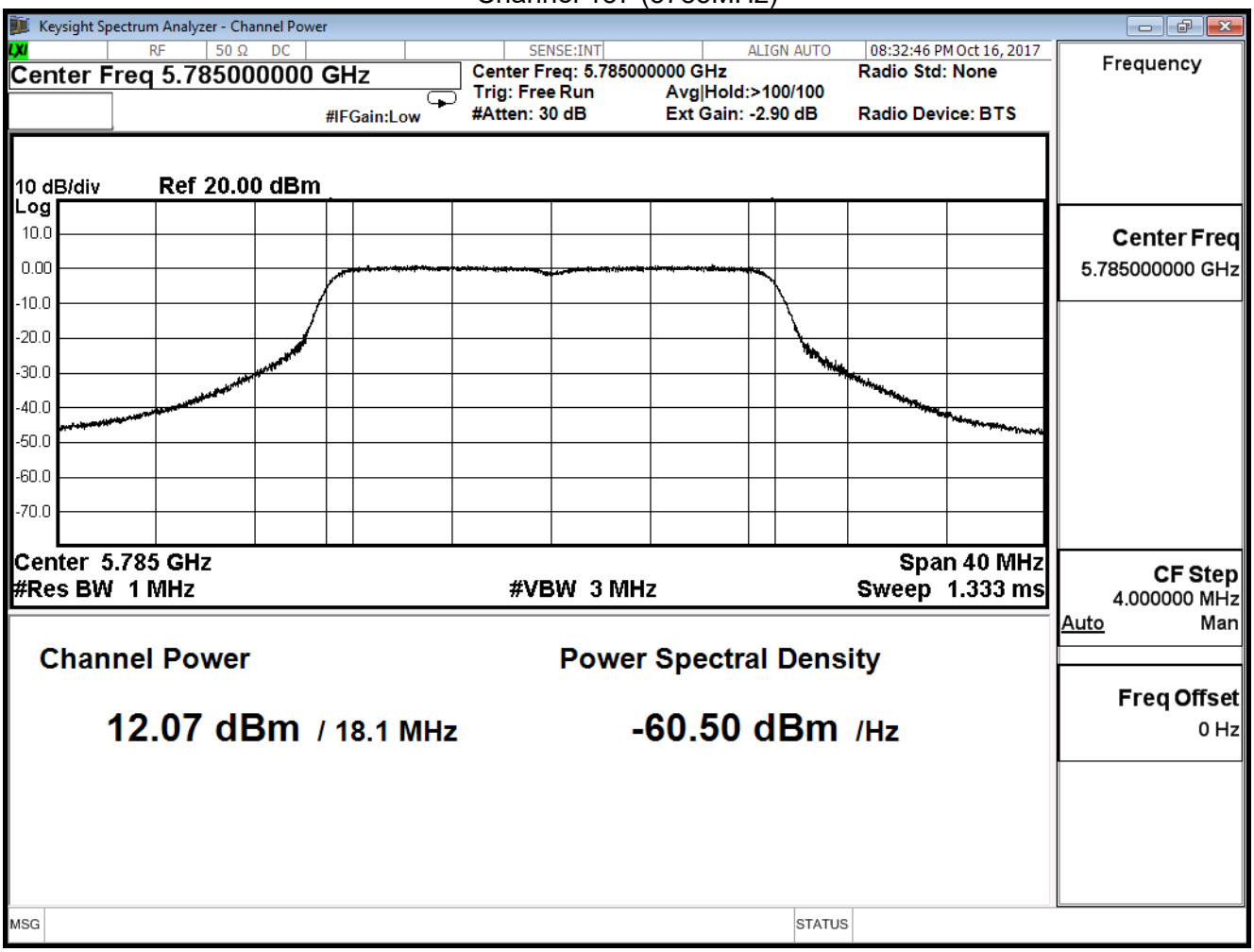
The worst emission of data rate isMCS8

Peak Power Output (dBm)										
Channel No	Frequency (MHz)	MCS index								Required Limit
		8	9	10	11	12	13	14	15	
149	5745	11.960	--	--	--	--	--	--	--	≦28.87 dBm
157	5785	12.070	11.830	11.590	11.350	11.110	10.870	10.630	10.390	
165	5825	11.460	--	--	--	--	--	--	--	

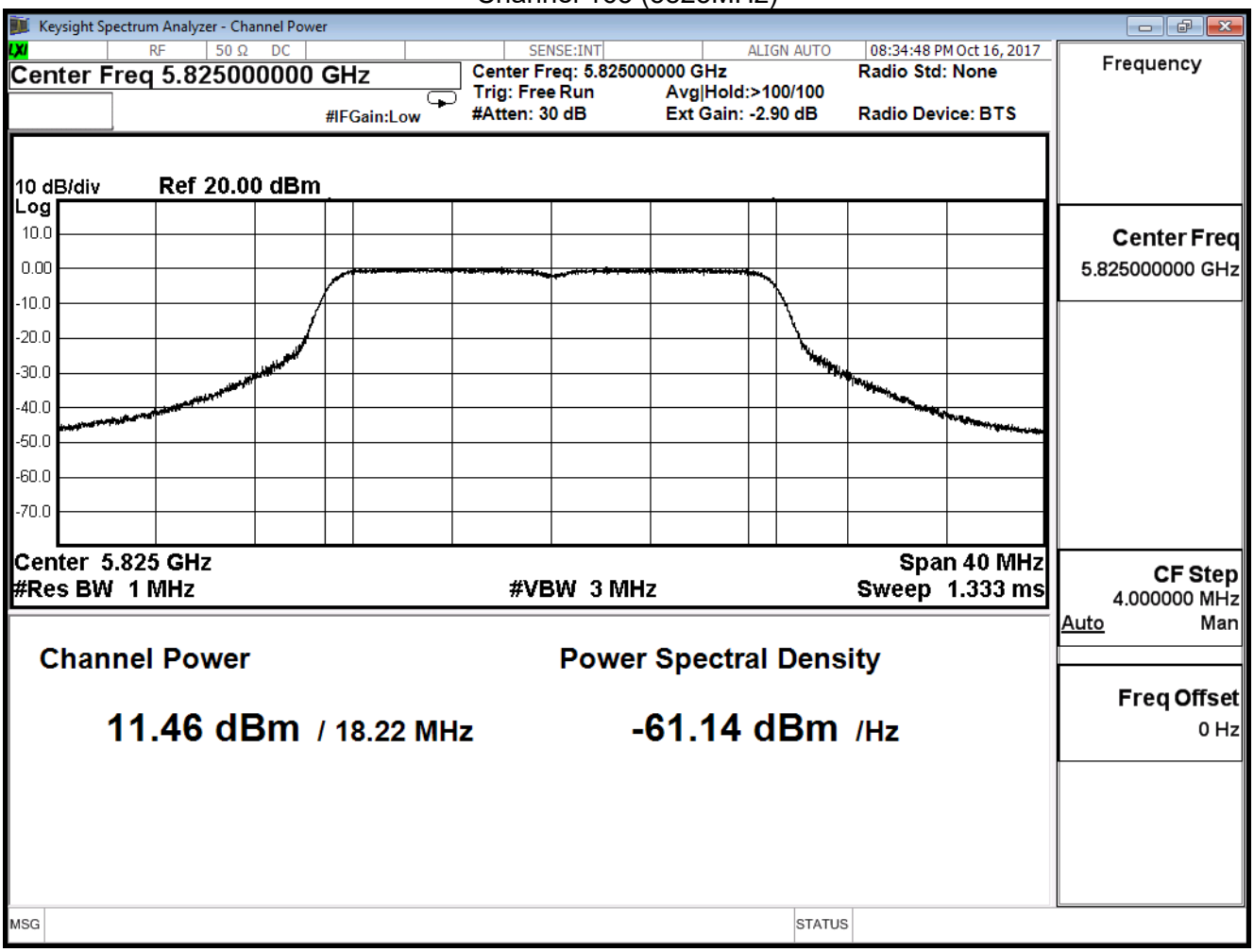
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



Product	Gigabit Broadband Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/10/16	Test Site	SR10-H

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

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	16.221	≤30
157	5785	16.225	≤30
165	5825	15.696	≤30

Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi
Limit = 30-(7.13-6) = 28.87dBm

Product	Gigabit Broadband Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/10/16	Test Site	SR10-H

IEEE 802.11n(40MHz) (ANT 0)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
151	5755	17.010	≦28.87
159	5795	16.230	≦28.87

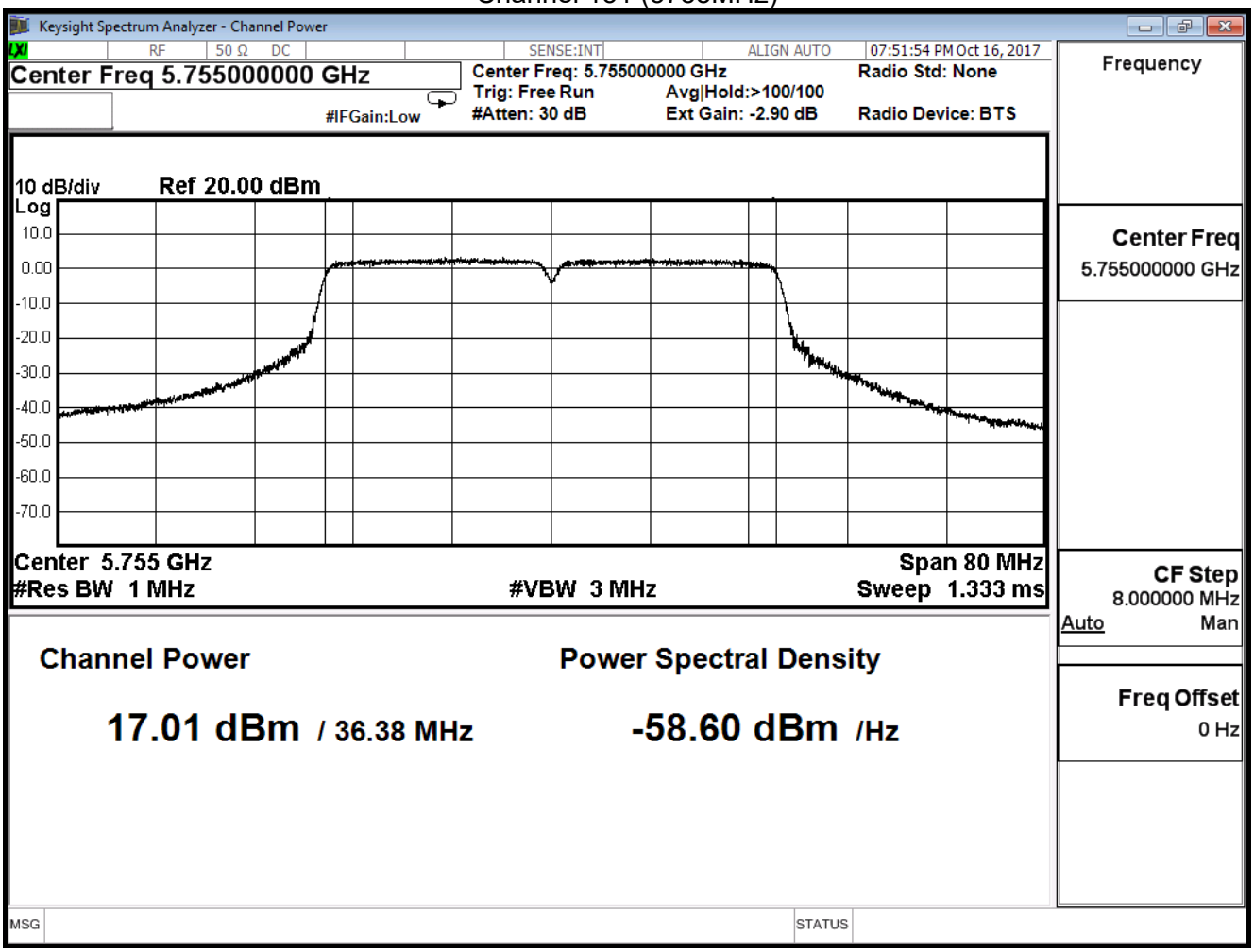
Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi

Limit = 30-(7.13-6) = 28.87dBm

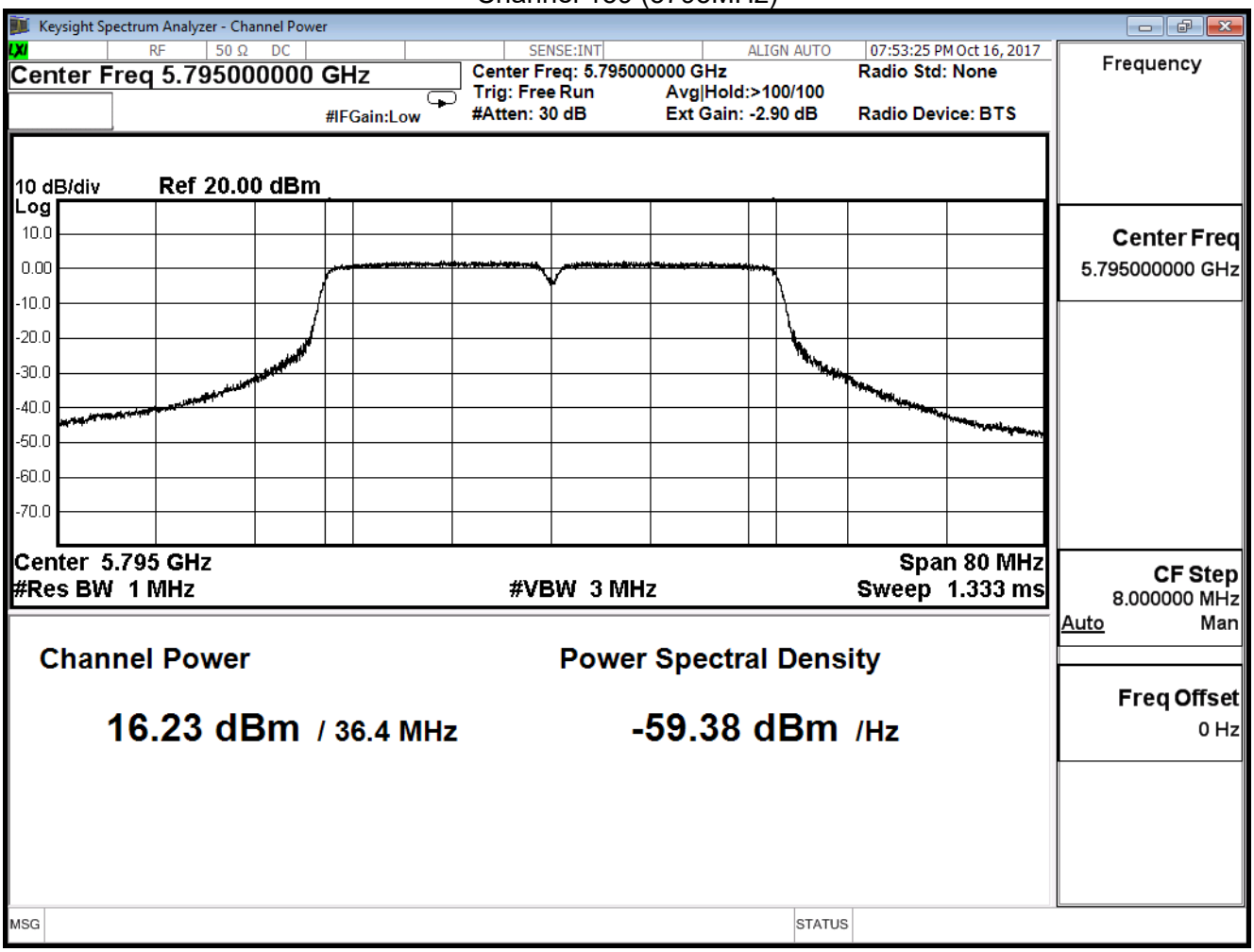
The worst emission of data rate is MCS8

Peak Power Output (dBm)										
Channel No	Frequency (MHz)	MCS index								Required Limit
		8	9	10	11	12	13	14	15	
151	5755	17.010	--	--	--	--	--	--	--	≦28.87 dBm
159	5795	16.230	15.980	15.730	15.480	15.230	14.980	14.730	14.480	

Channel 151 (5755MHz)



Channel 159 (5795MHz)



Product	Gigabit Broadband Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/10/16	Test Site	SR10-H

IEEE 802.11n(40MHz) (ANT 1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
151	5755	15.130	≦28.87
159	5795	14.510	≦28.87

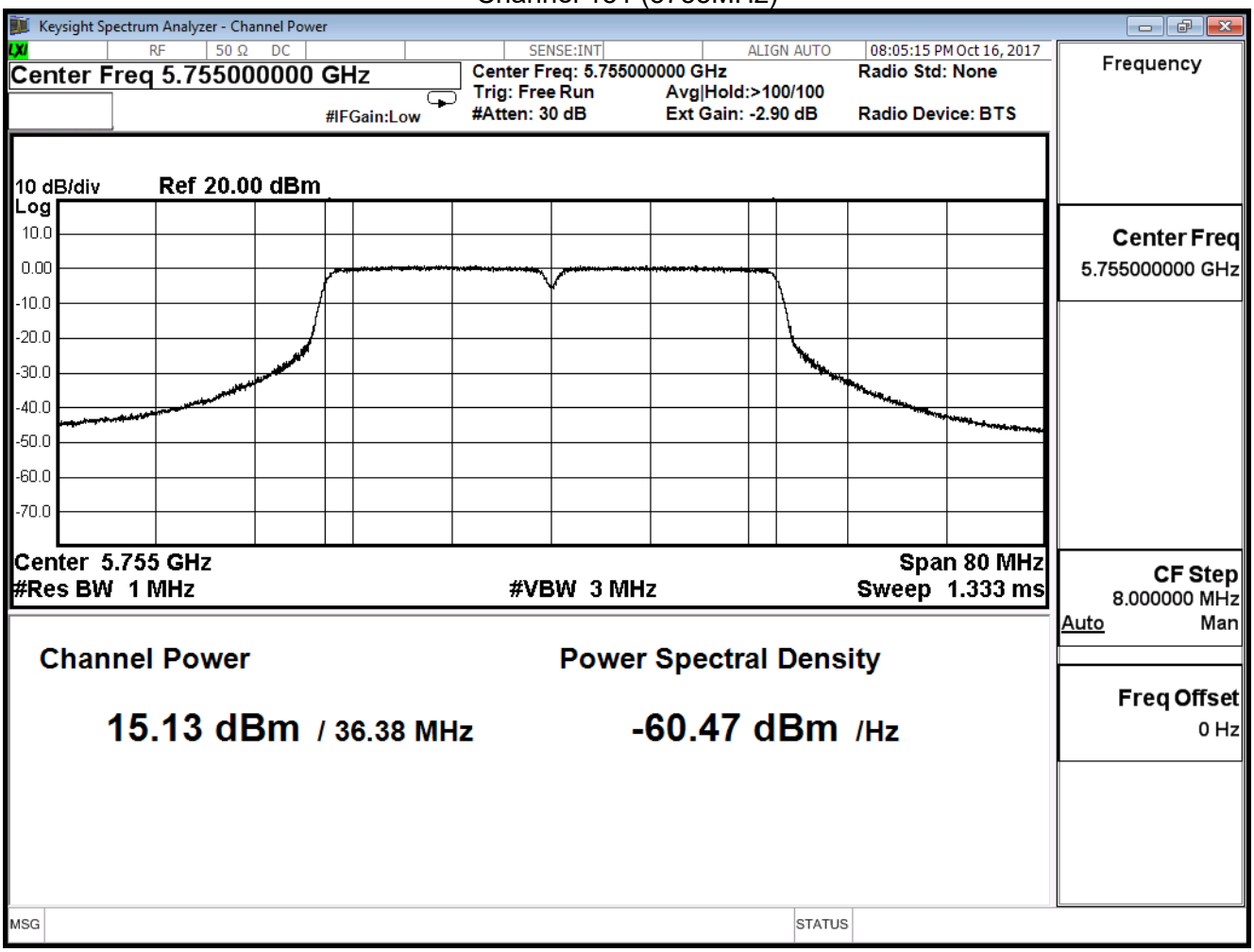
Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi

Limit = 30-(7.13-6) = 28.87dBm

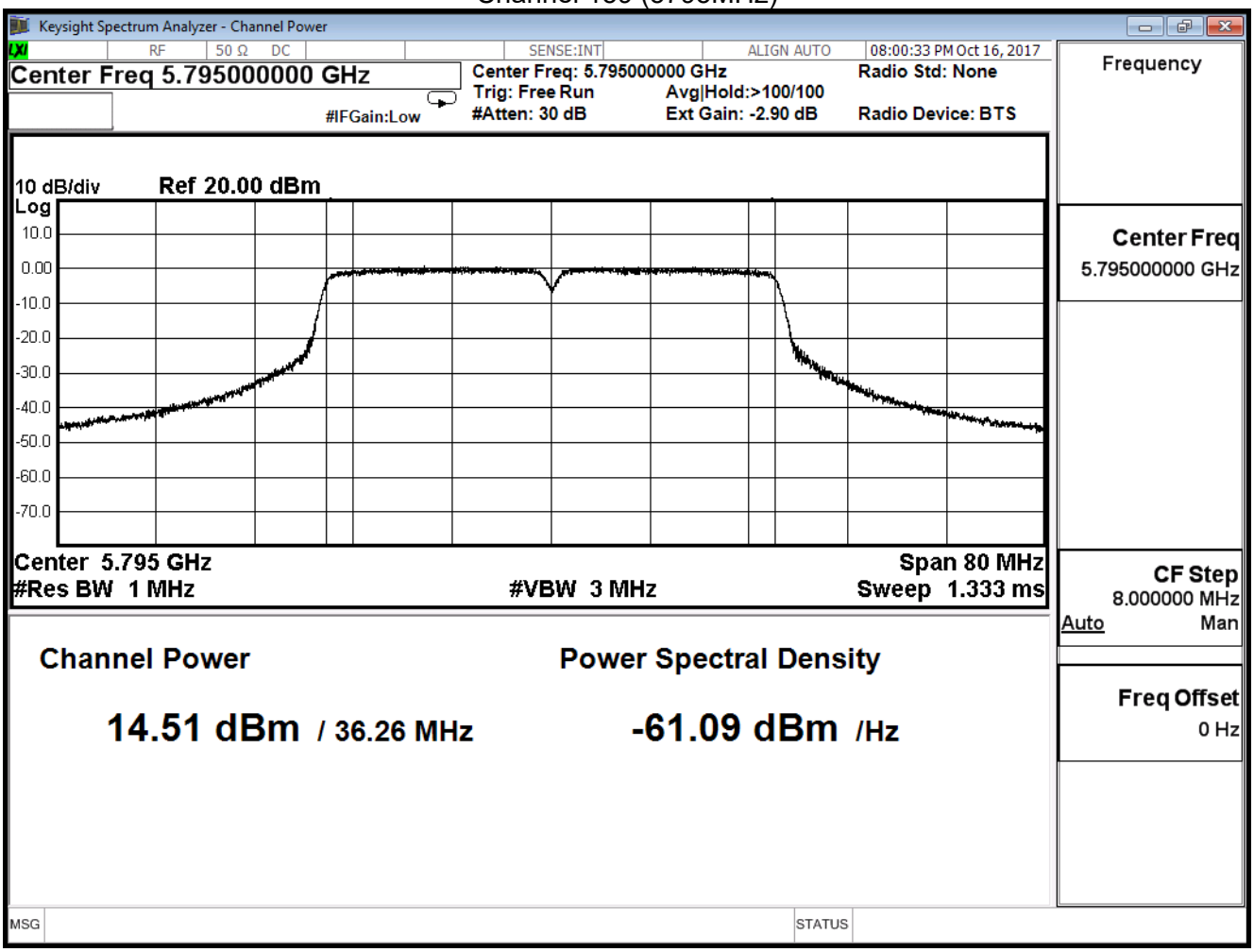
The worst emission of data rate is MCS8

Peak Power Output (dBm)										
Channel No	Frequency (MHz)	MCS index								Required Limit
		8	9	10	11	12	13	14	15	
151	5755	15.130	--	--	--	--	--	--	--	≦28.87 dBm
159	5795	14.510	14.250	13.990	13.730	13.470	13.210	12.950	12.690	

Channel 151 (5755MHz)



Channel 159 (5795MHz)



Product	Gigabit Broadband Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/10/16	Test Site	SR10-H

IEEE 802.11n(40MHz) (ANT 0+1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
151	5755	19.181	≦28.87
159	5795	18.465	≦28.87

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

IEEE802.11ac(80MHz) (ANT 0)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
155	5775	16.800	≦28.87

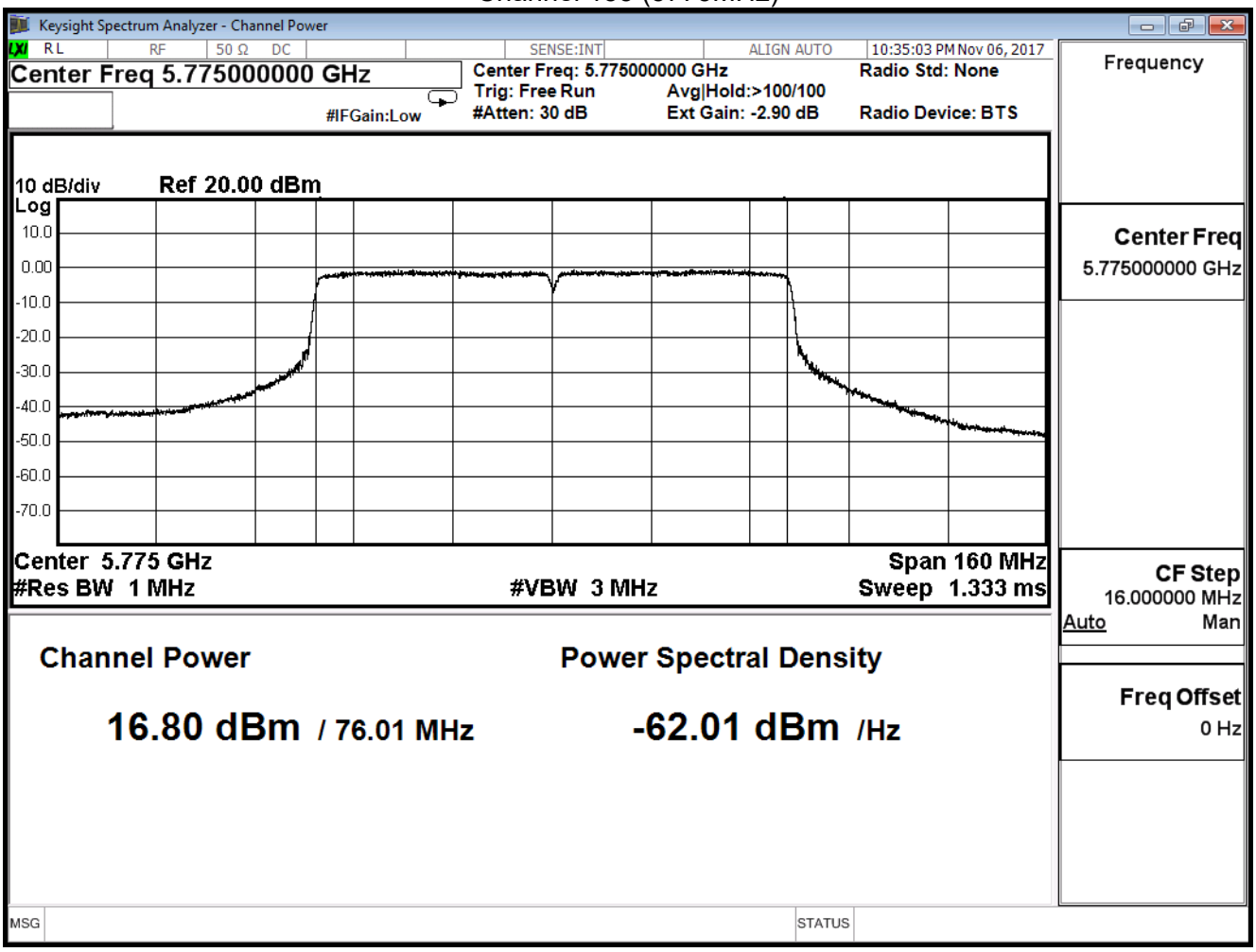
Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi

Limit = 30-(7.13-6) = 28.87dBm

The worst emission of data rate is MCS0

Peak Power Output (dBm)												
Channel No	Frequency (MHz)	MCS index										Required Limit
		0	1	2	3	4	5	6	7	8	9	
155	5775	16.800	16.530	16.260	15.990	15.710	15.440	15.170	14.920	14.630	14.370	≦28.87 dBm

Channel 155 (5775MHz)



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

IEEE802.11ac(80MHz) (ANT 1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
155	5775	15.970	≦28.87

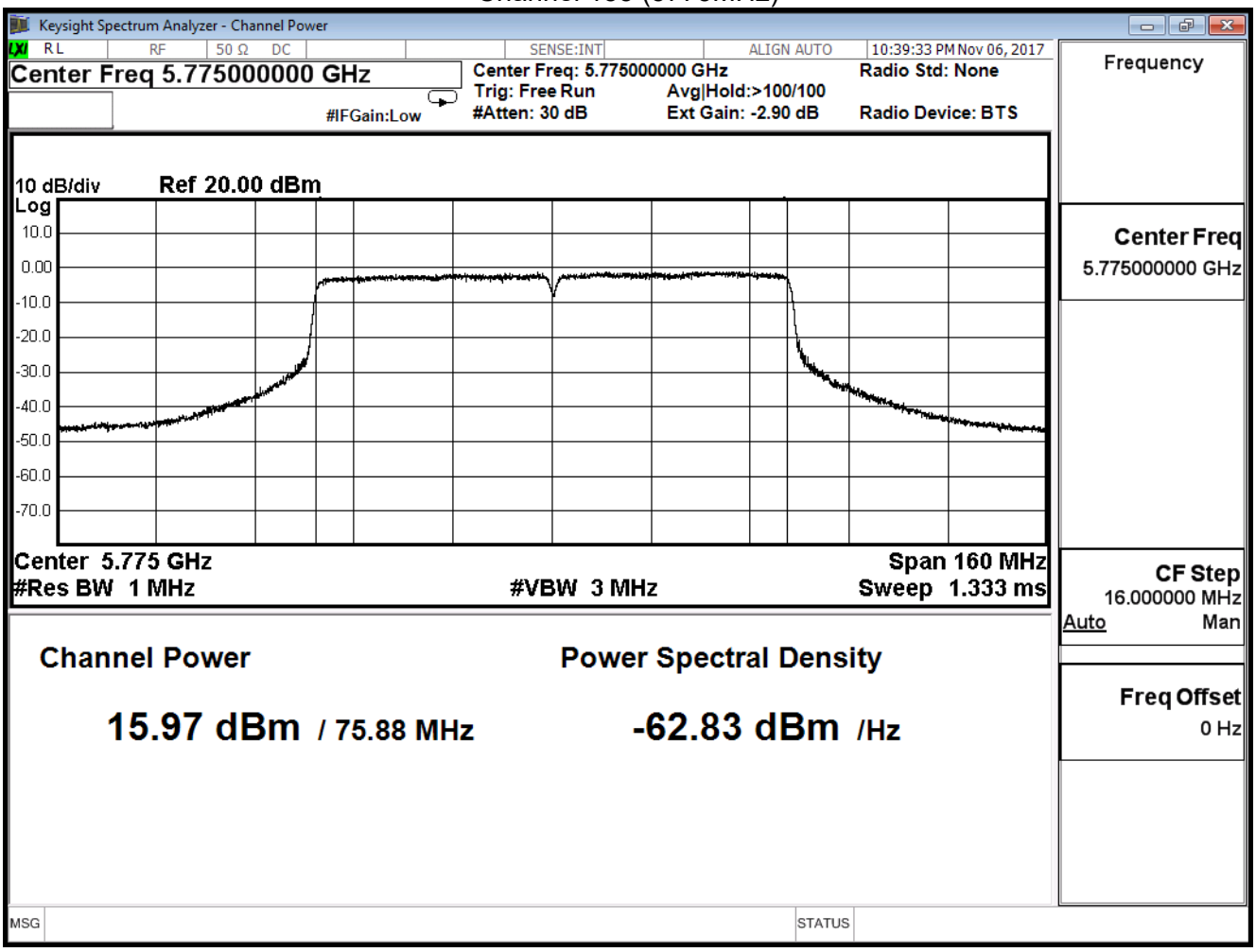
Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi

Limit = 30-(7.13-6) = 28.87dBm

The worst emission of data rate is MCS0

Peak Power Output (dBm)												
Channel No	Frequency (MHz)	MCS index										Required Limit
		0	1	2	3	4	5	6	7	8	9	
155	5775	15.970	15.690	15.420	15.150	14.880	14.630	14.350	14.080	13.820	13.550	≦28.87 dBm

Channel 155 (5775MHz)



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

IEEE802.11ac(80MHz) (ANT 0+1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
155	5775	19.415	≦28.87

Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi
Limit = 30-(7.13-6) = 28.87dBm

5. Peak Power Spectrum Density

5.1. Test Equipment

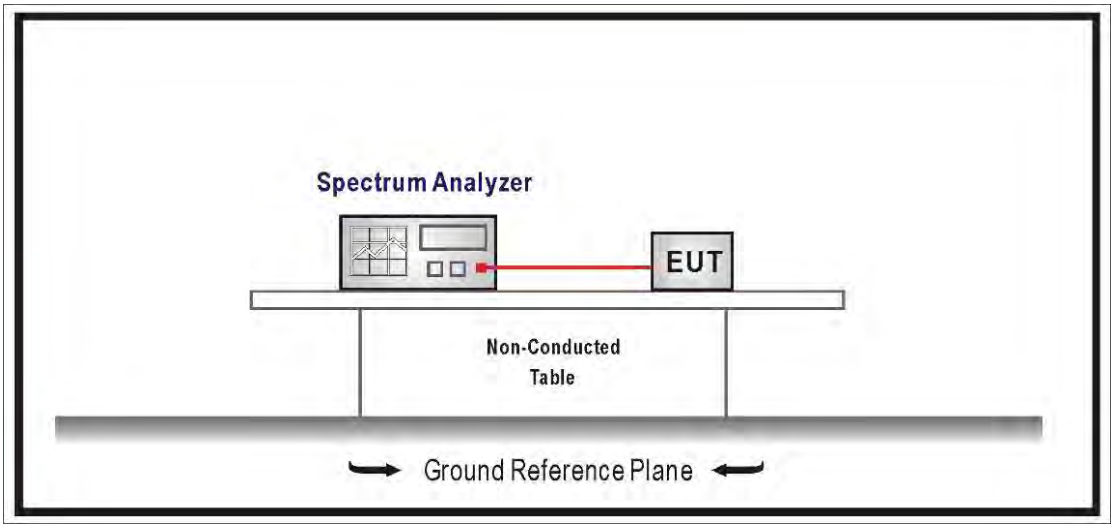
The following test equipment are used during the radiated emission tests:

Peak Power Spectrum Density / 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

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

5.2. Test Setup



5.3. Limits

1. For the band 5.15-5.25 GHz, the peak power spectral density shall not exceed 17 dBm in any 1MHz band. If transmitting antenna of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.
2.
3. For client devices in the 5.15-5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi
4.
5. For the band 5.25-5.35 GHz, the peak power spectral density shall not exceed 11 dBm in any 1-MHz band. If transmitting antenna of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.
6.
7. For the band 5.725-5.850 GHz, the peak power spectral density shall not exceed 30 dBm in any 500KHz band. If transmitting antenna of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi..

5.4. Test Procedure

The EUT was setup to ANSI C63.10: 2013; tested to U-NII test procedure of KDB 789033.D02 V01r03 for compliance to FCC 47CFR Subpart E requirements.

For Band1 : Set RBW=1MHz, VBW=3MHz with RMS detector. The PPSD is the highest level found across the emission in any 1-MHz band after 100 sweeps of averaging.

For Band4 : Set RBW=500KHz, VBW=1.5MHz with RMS detector. The PPSD is the highest level found across the emission in any 500KHz band after 100 sweeps of averaging.

5.5. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB

5.6. Test Result

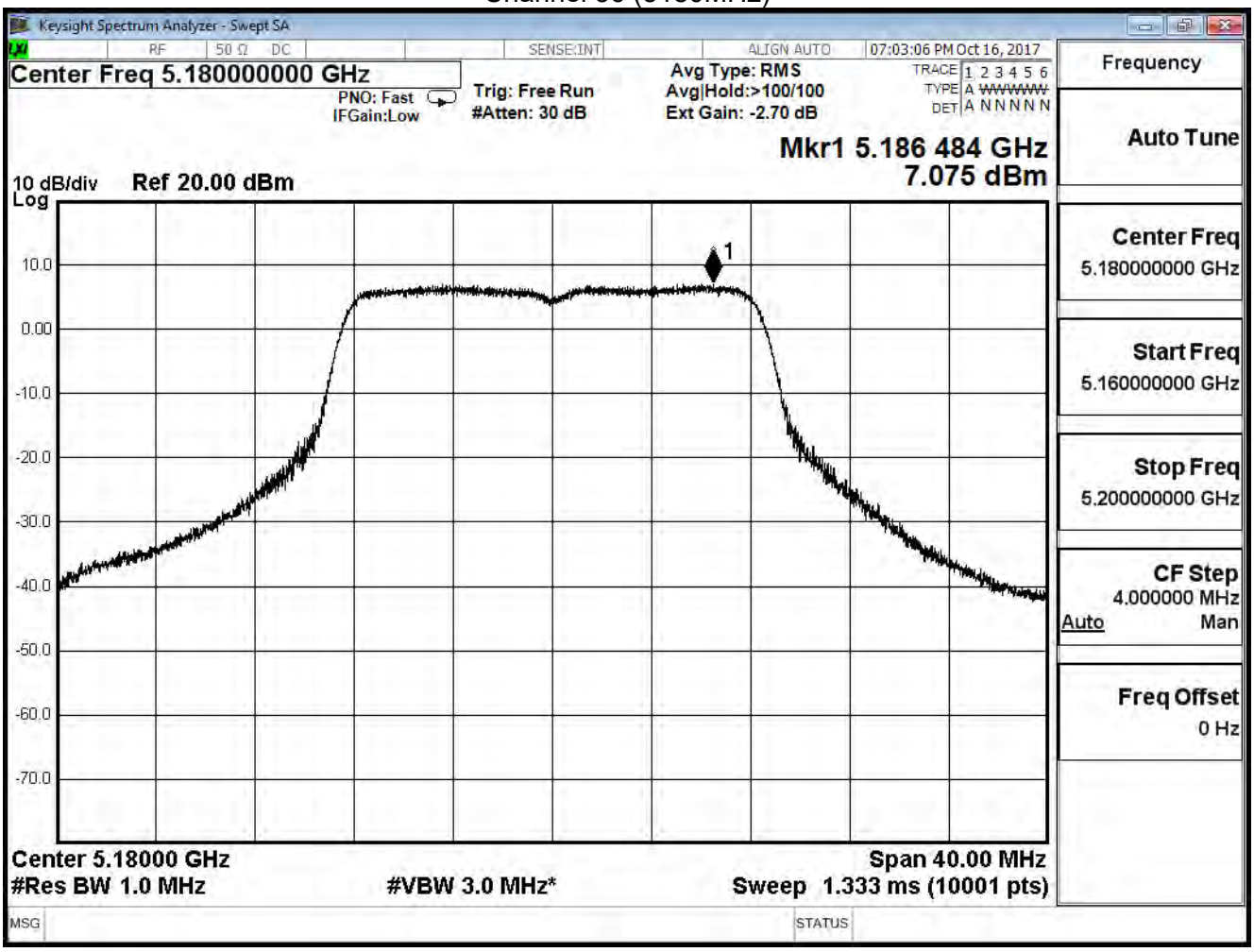
Product	Gigabit Broadband Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: TX CDD_ADP 1		
Date of Test	2017/10/16	Test Site	SR10-H

IEEE 802.11a (ANT 0)				
Channel No.	Frequency (MHz)	Measure Vaule (dBm)	Limit (dBm)	Result
36	5180	7.075	≦15.87	Pass
44	5220	6.108	≦15.87	Pass
48	5240	6.353	≦15.87	Pass

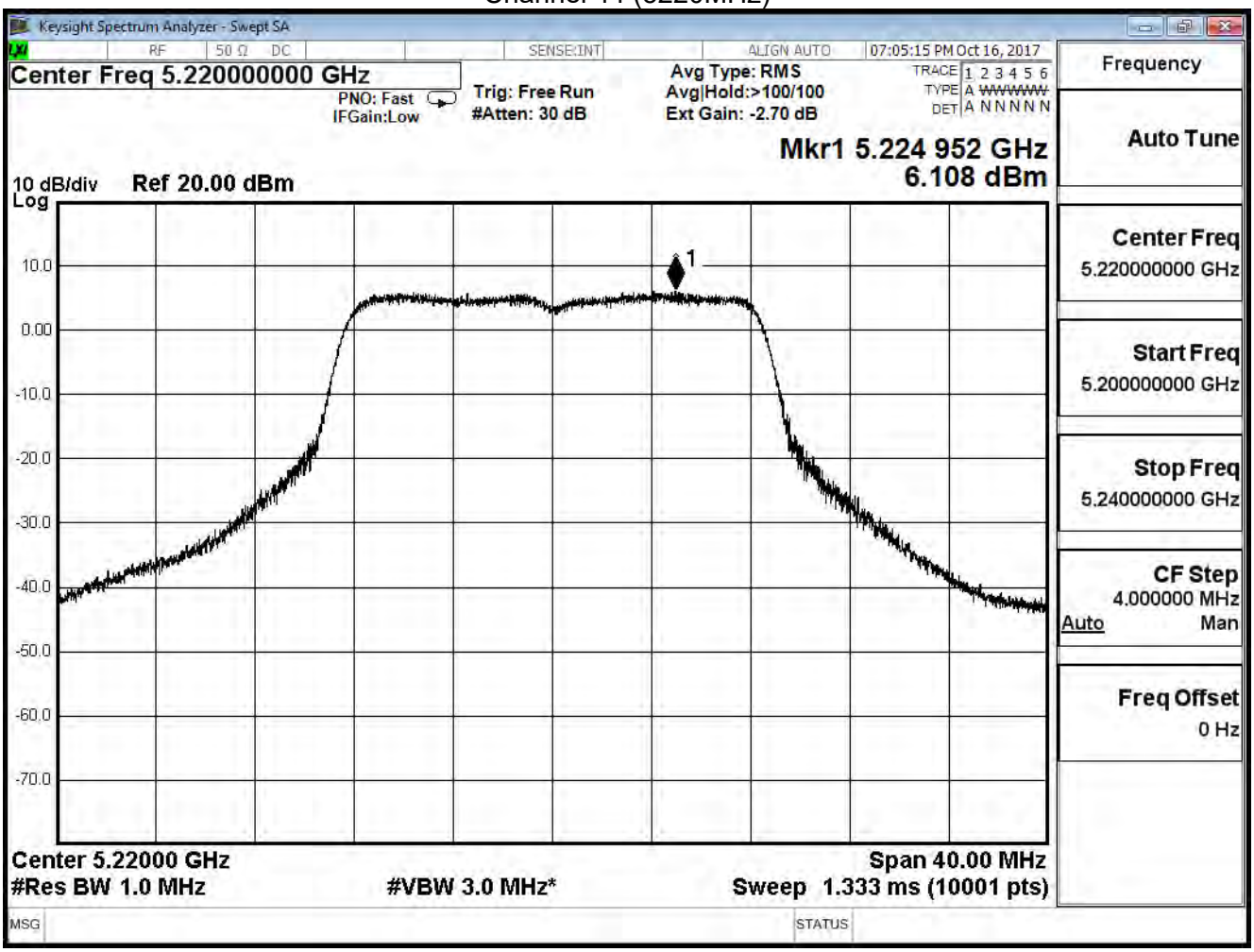
Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi

Limit = 17-(7.13-6) = 15.87dBm

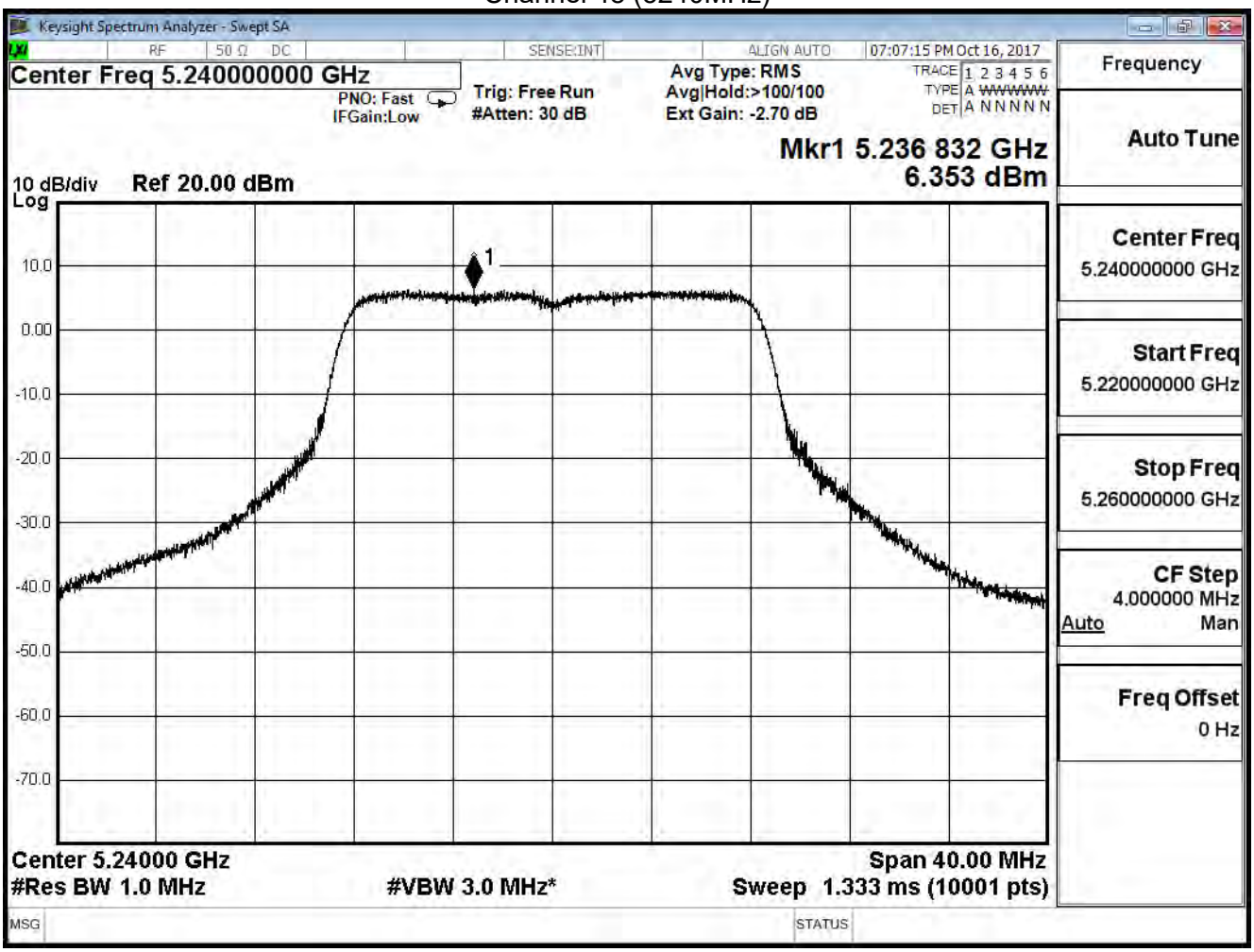
Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



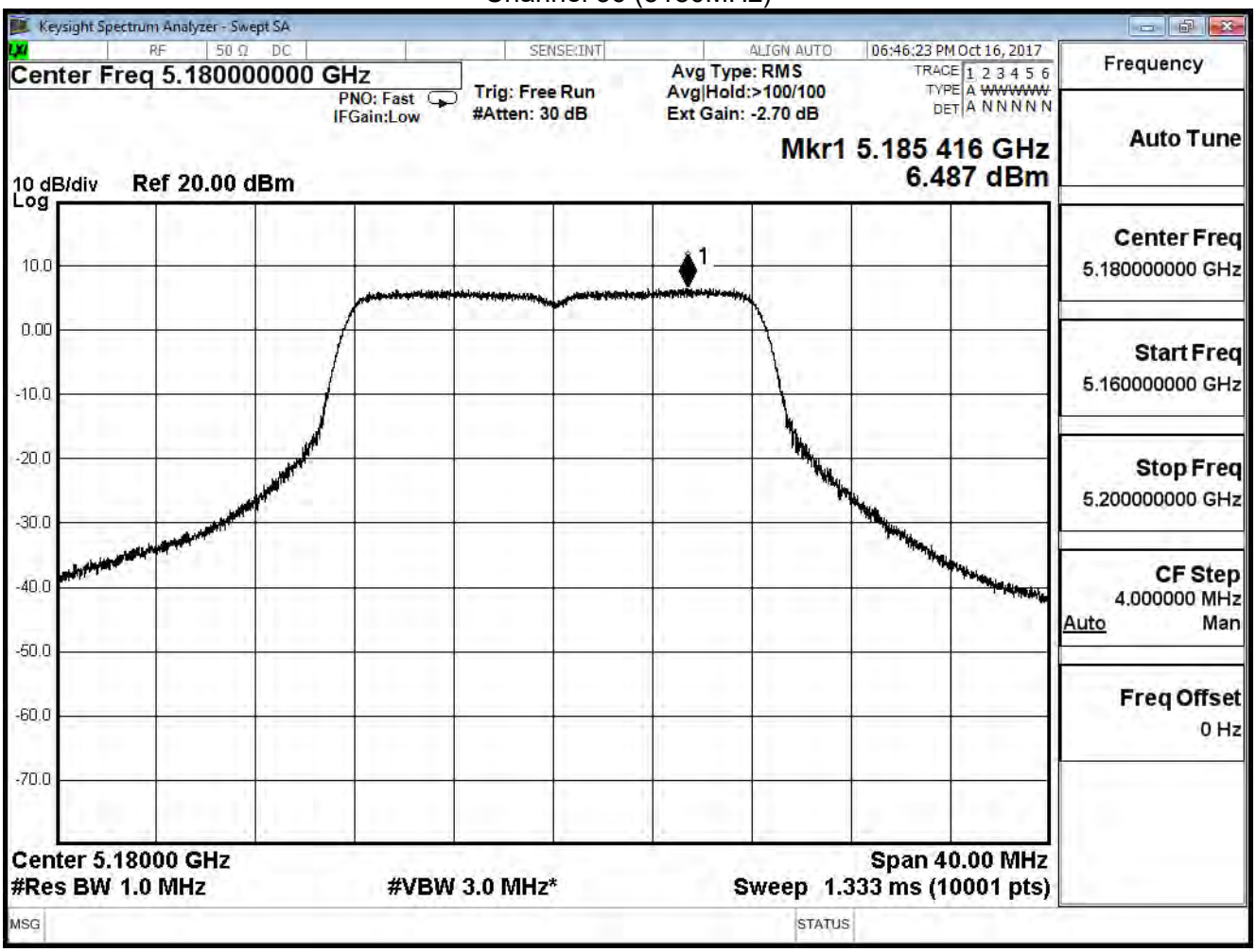
Product	Gigabit Broadband Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: TX CDD_ADP 1		
Date of Test	2017/10/16	Test Site	SR10-H

IEEE 802.11a (ANT 1)				
Channel No.	Frequency (MHz)	Measure Vaule (dBm)	Limit (dBm)	Result
36	5180	6.487	≦15.87	Pass
44	5220	5.415	≦15.87	Pass
48	5240	5.960	≦15.87	Pass

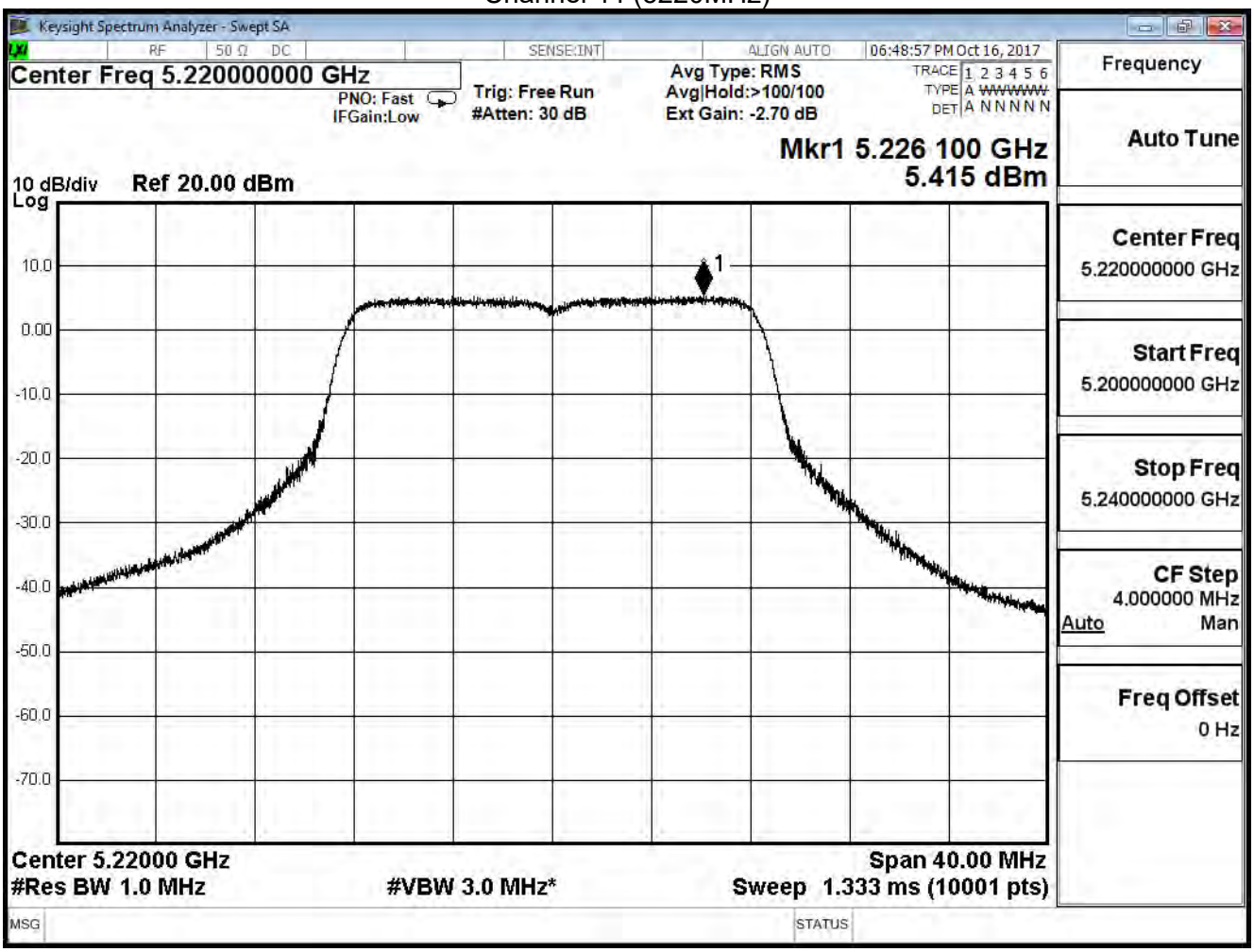
Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi

Limit = 17-(7.13-6) = 15.87dBm

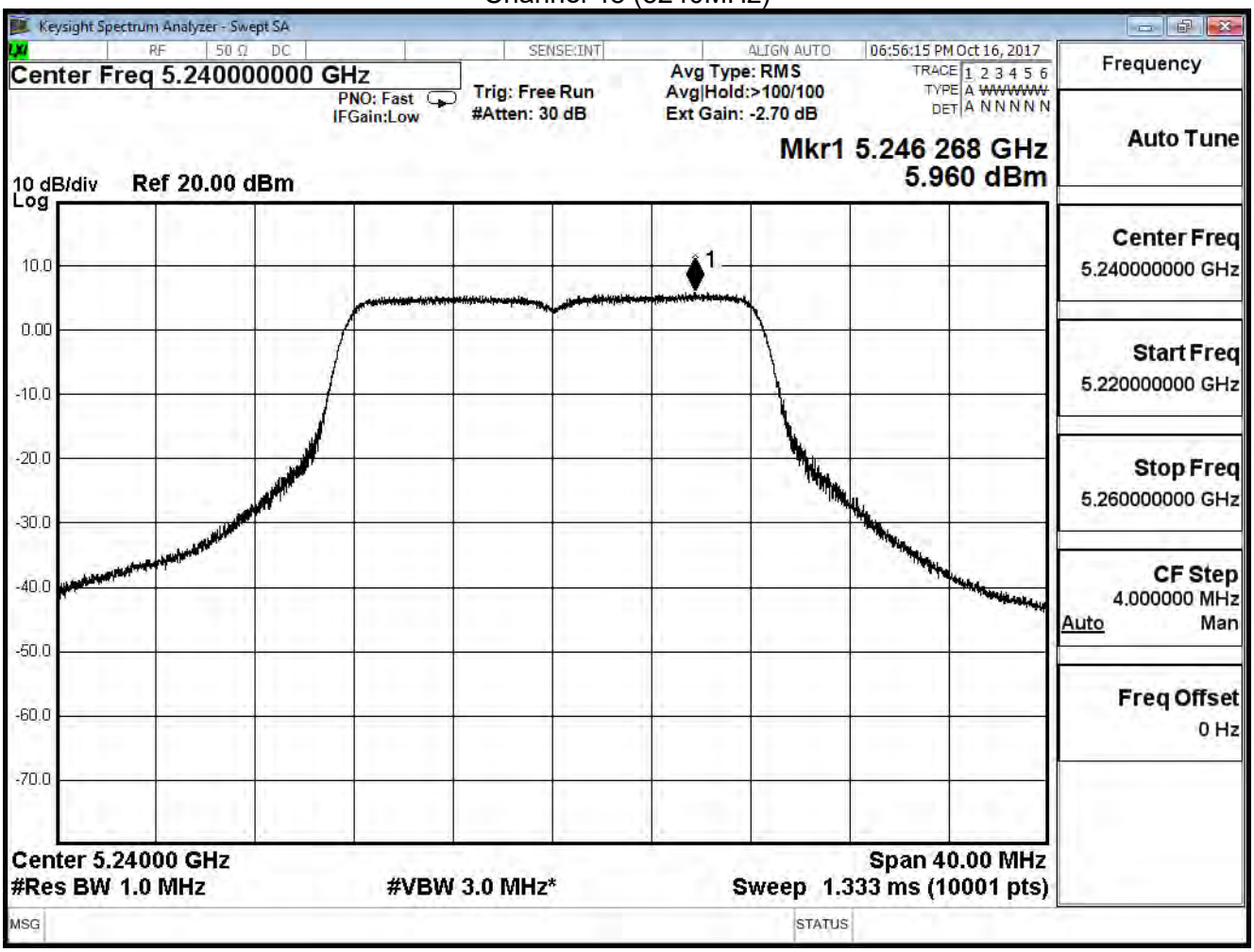
Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



Product	Gigabit Broadband Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: TX CDD_ADP 1		
Date of Test	2017/10/16	Test Site	SR10-H

IEEE 802.11a (ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Vaule (dBm)	Limit (dBm)	Result
36	5180	9.801	≦15.87	Pass
44	5220	8.786	≦15.87	Pass
48	5240	9.171	≦15.87	Pass

Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi

Limit = 17-(7.13-6) = 15.87dBm

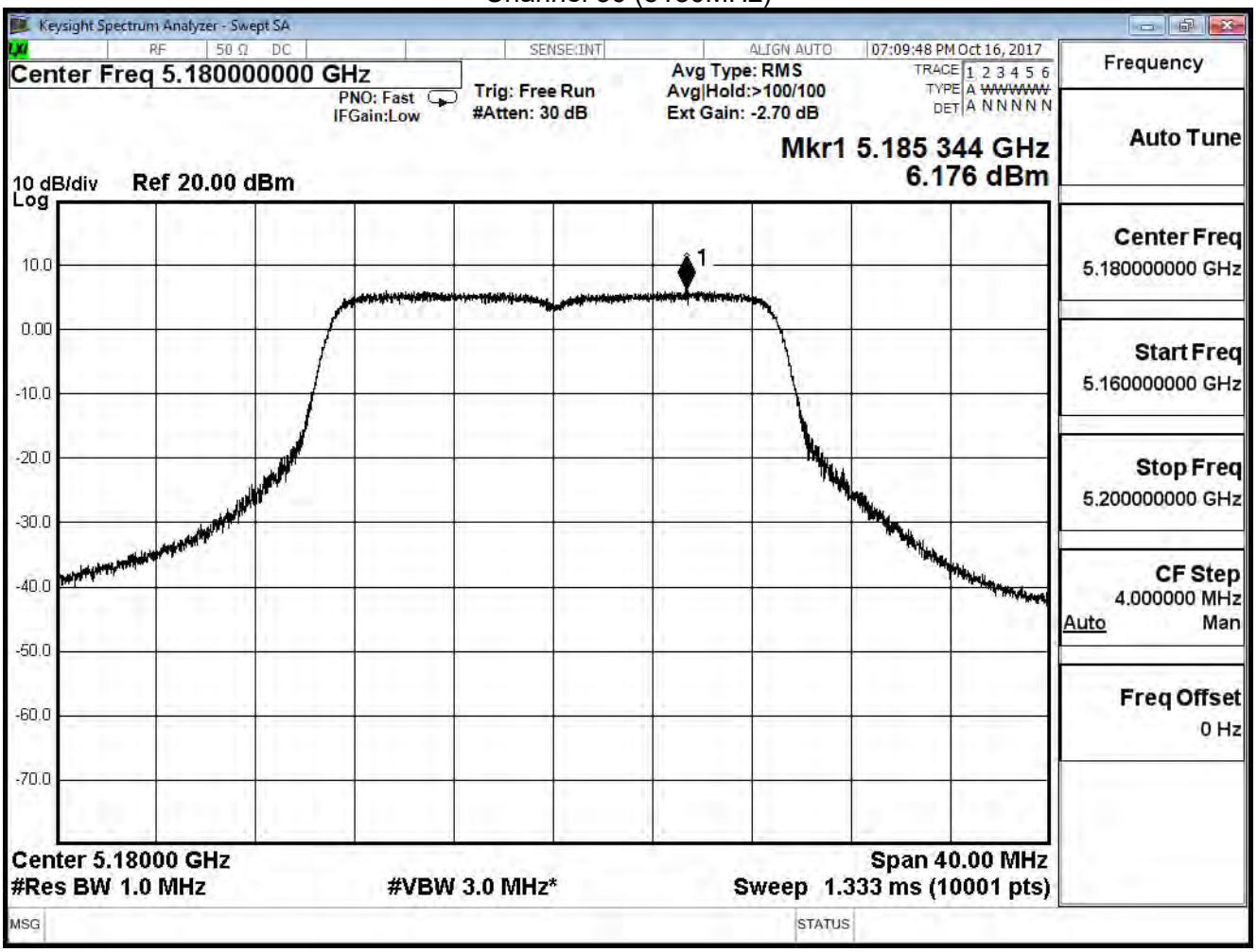
Product	Gigabit Broadband Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/10/16	Test Site	SR10-H

IEEE 802.11n(20MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measure Vaule (dBm)	Limit (dBm)	Result
36	5180	6.176	≦15.87	Pass
44	5220	6.360	≦15.87	Pass
48	5240	7.191	≦15.87	Pass

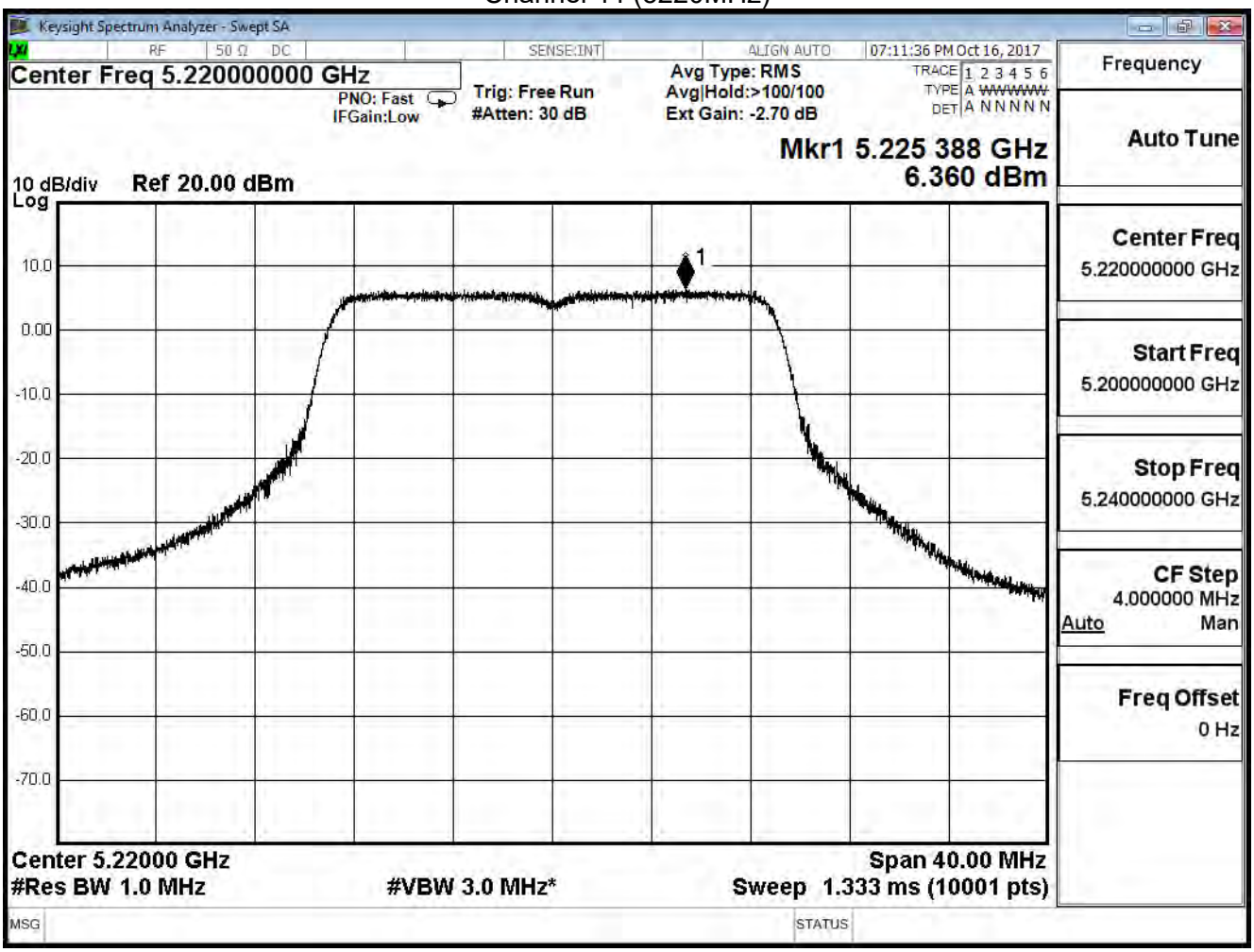
Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi

Limit = 17-(7.13-6) = 15.87dBm

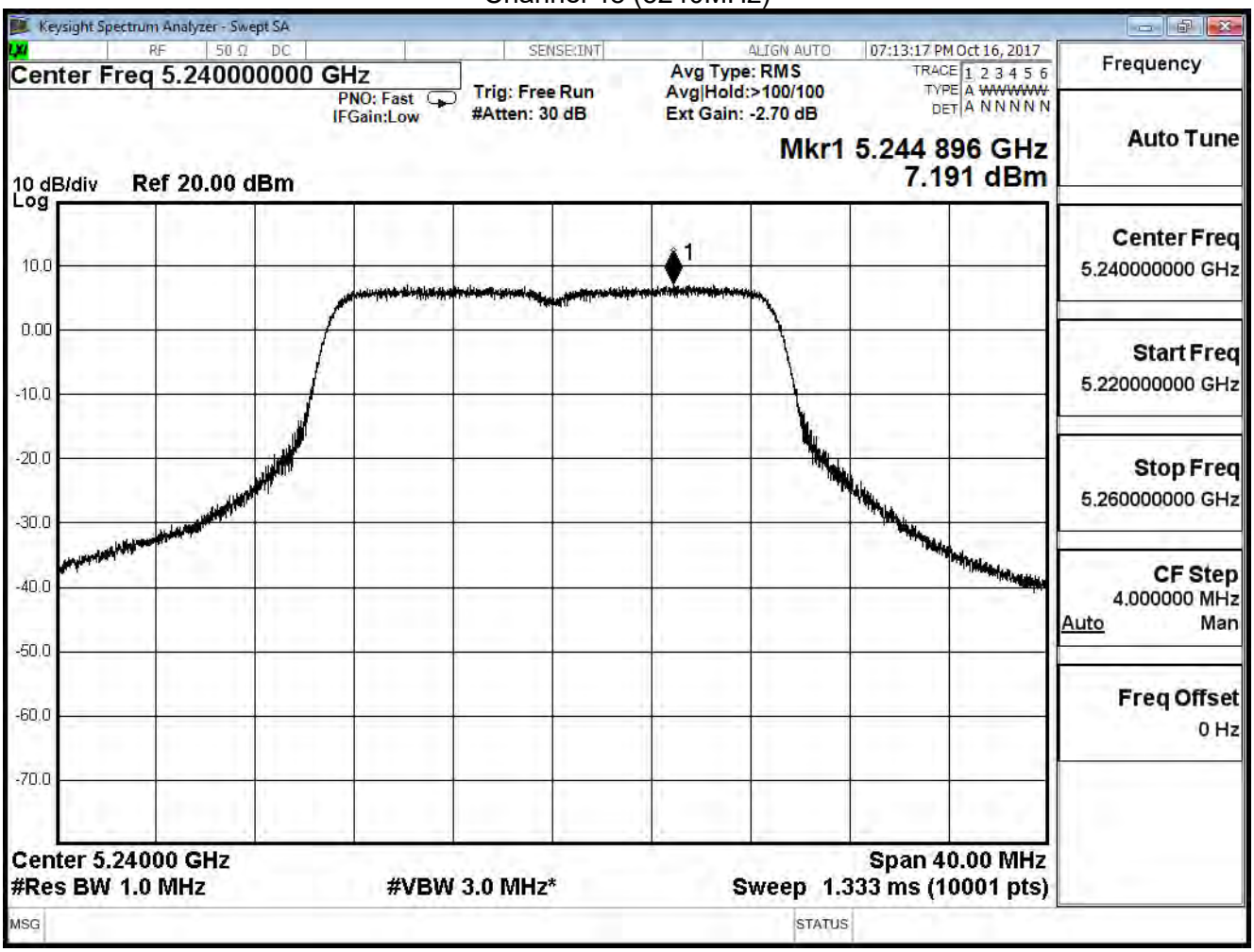
Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



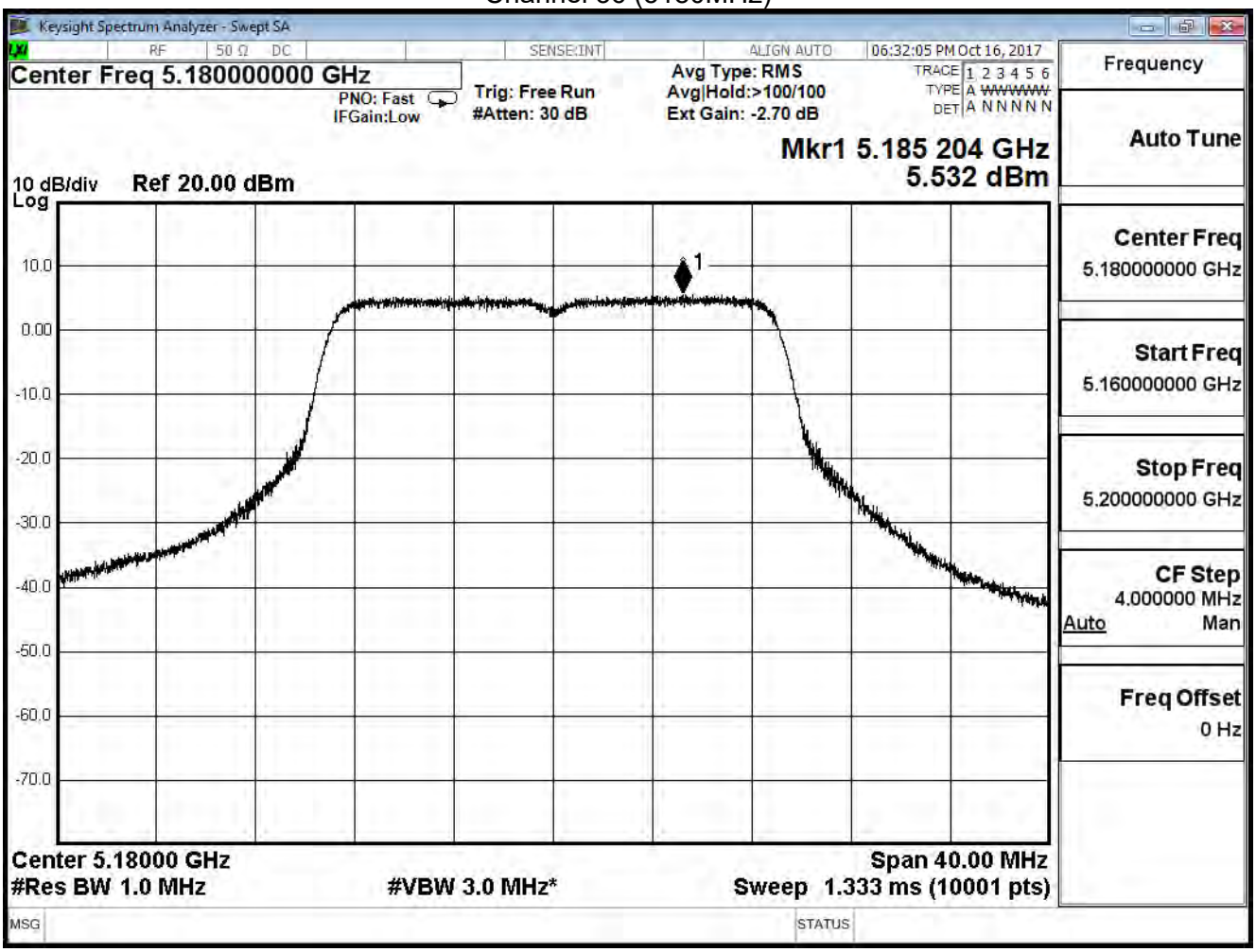
Product	Gigabit Broadband Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/10/16	Test Site	SR10-H

IEEE 802.11n(20MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measure Vaule (dBm)	Limit (dBm)	Result
36	5180	5.532	≦15.87	Pass
44	5220	5.929	≦15.87	Pass
48	5240	6.713	≦15.87	Pass

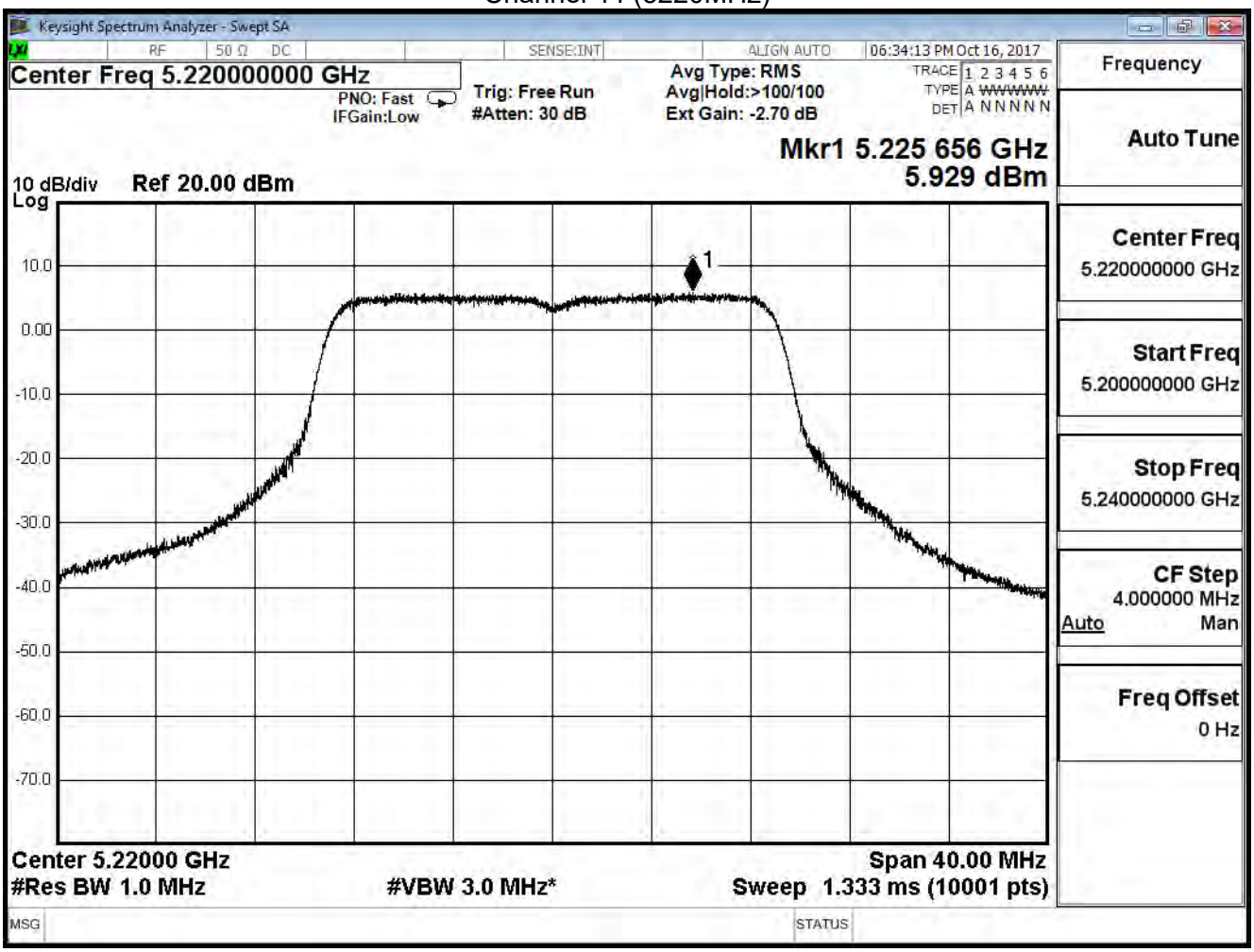
Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi

Limit = 17-(7.13-6) = 15.87dBm

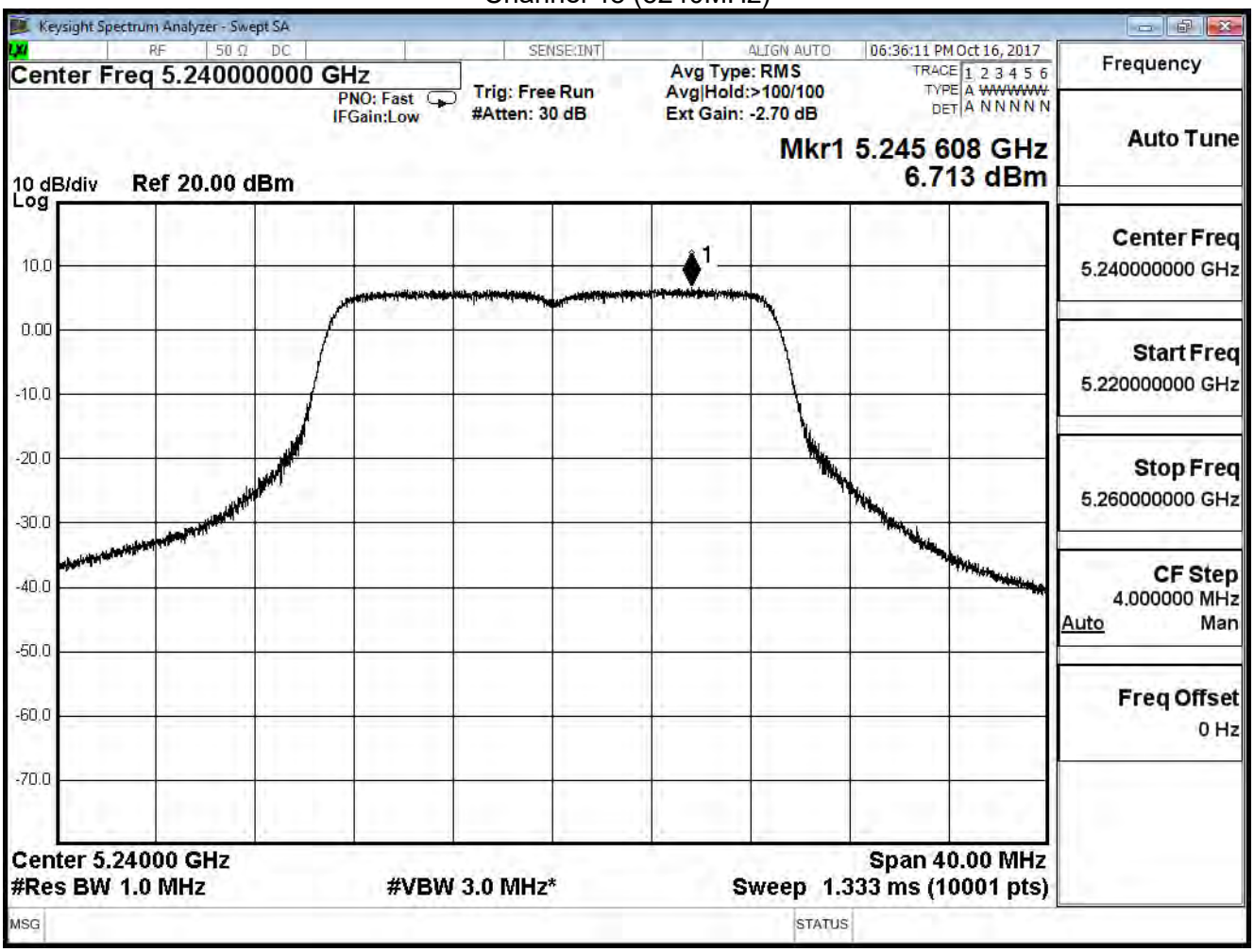
Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



Product	Gigabit Broadband Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/10/16	Test Site	SR10-H

IEEE 802.11n(20MHz)(ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
36	5180	8.876	≦15.87	Pass
44	5220	9.160	≦15.87	Pass
48	5240	9.969	≦15.87	Pass

Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi

Limit = 17-(7.13-6) = 15.87dBm

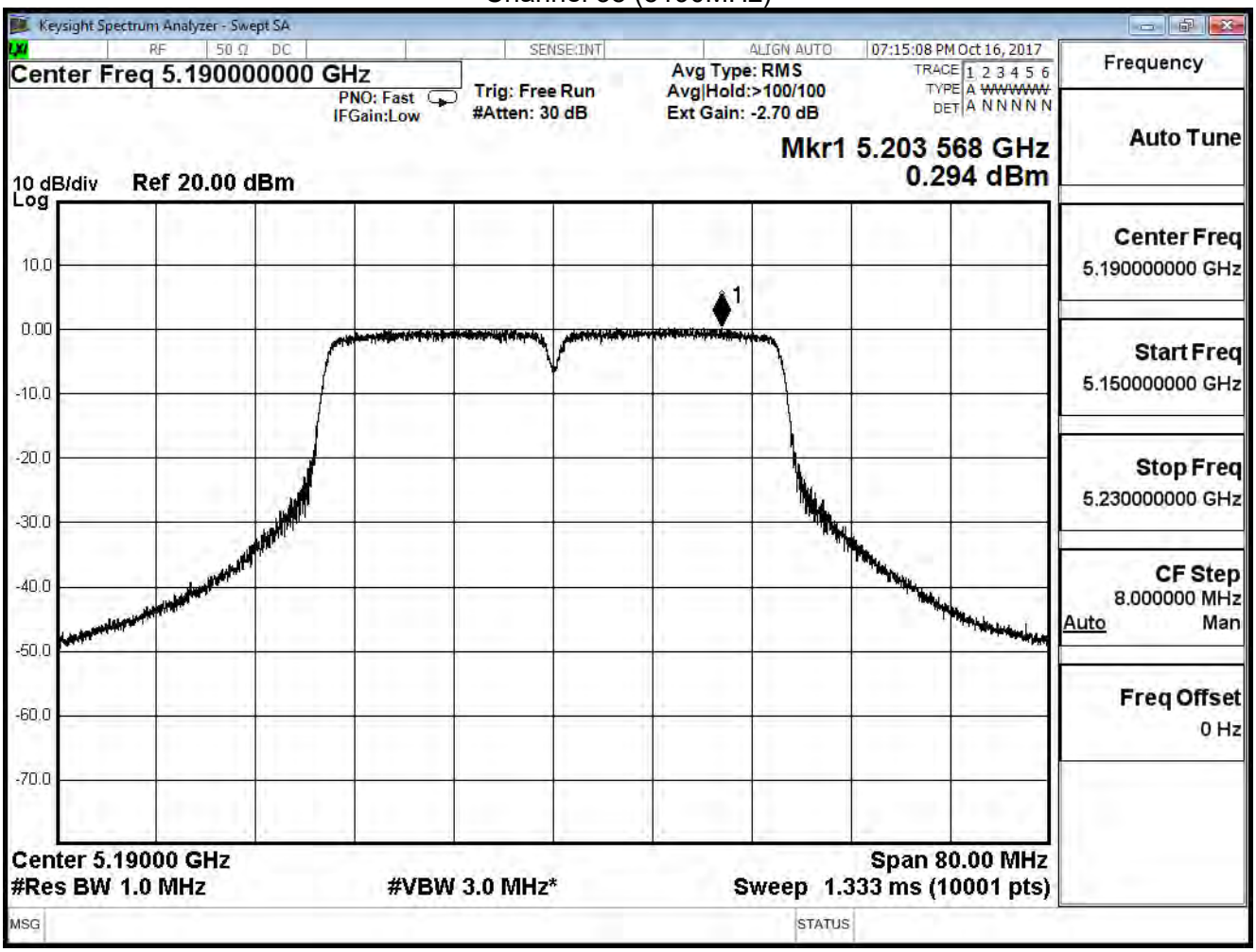
Product	Gigabit Broadband Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/10/16	Test Site	SR10-H

IEEE 802.11n(40MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measure Vaule (dBm)	Limit (dBm)	Result
38	5190	0.294	≦15.87	Pass
46	5230	5.942	≦15.87	Pass

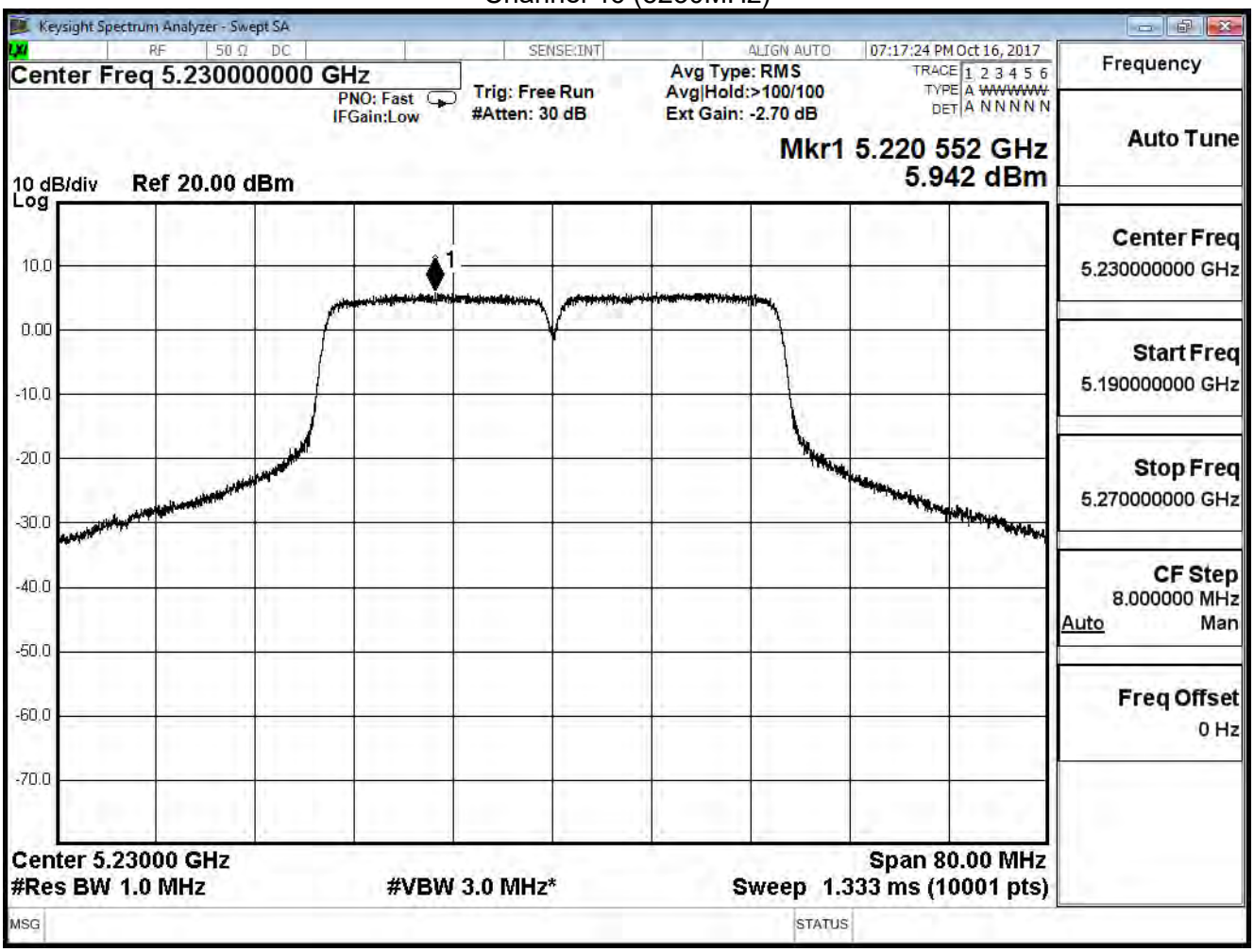
Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi

Limit = 17-(7.13-6) = 15.87dBm

Channel 38 (5190MHz)



Channel 46 (5230MHz)



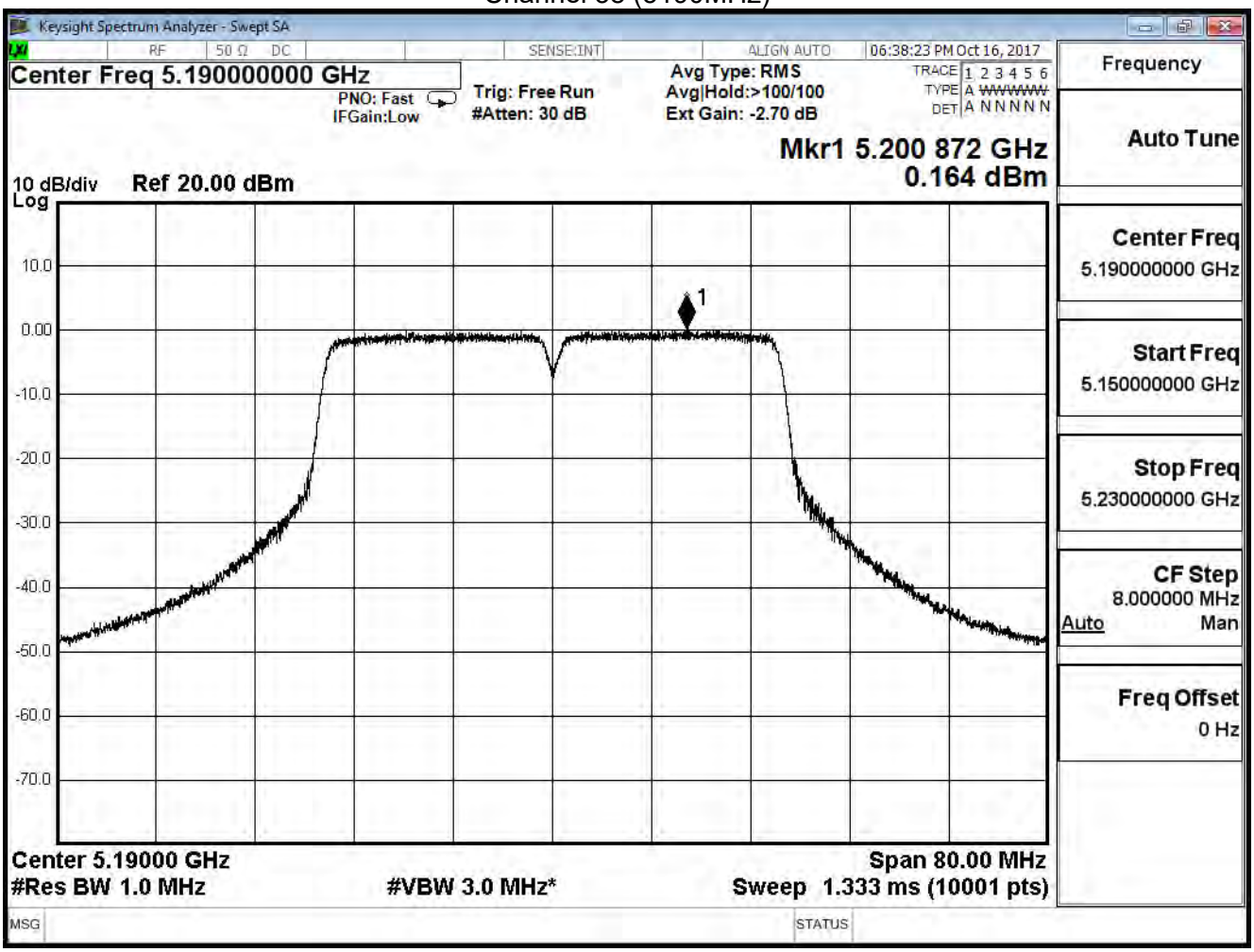
Product	Gigabit Broadband Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/10/16	Test Site	SR10-H

IEEE 802.11n(40MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measure Vaule (dBm)	Limit (dBm)	Result
38	5190	0.164	≦15.87	Pass
46	5230	5.804	≦15.87	Pass

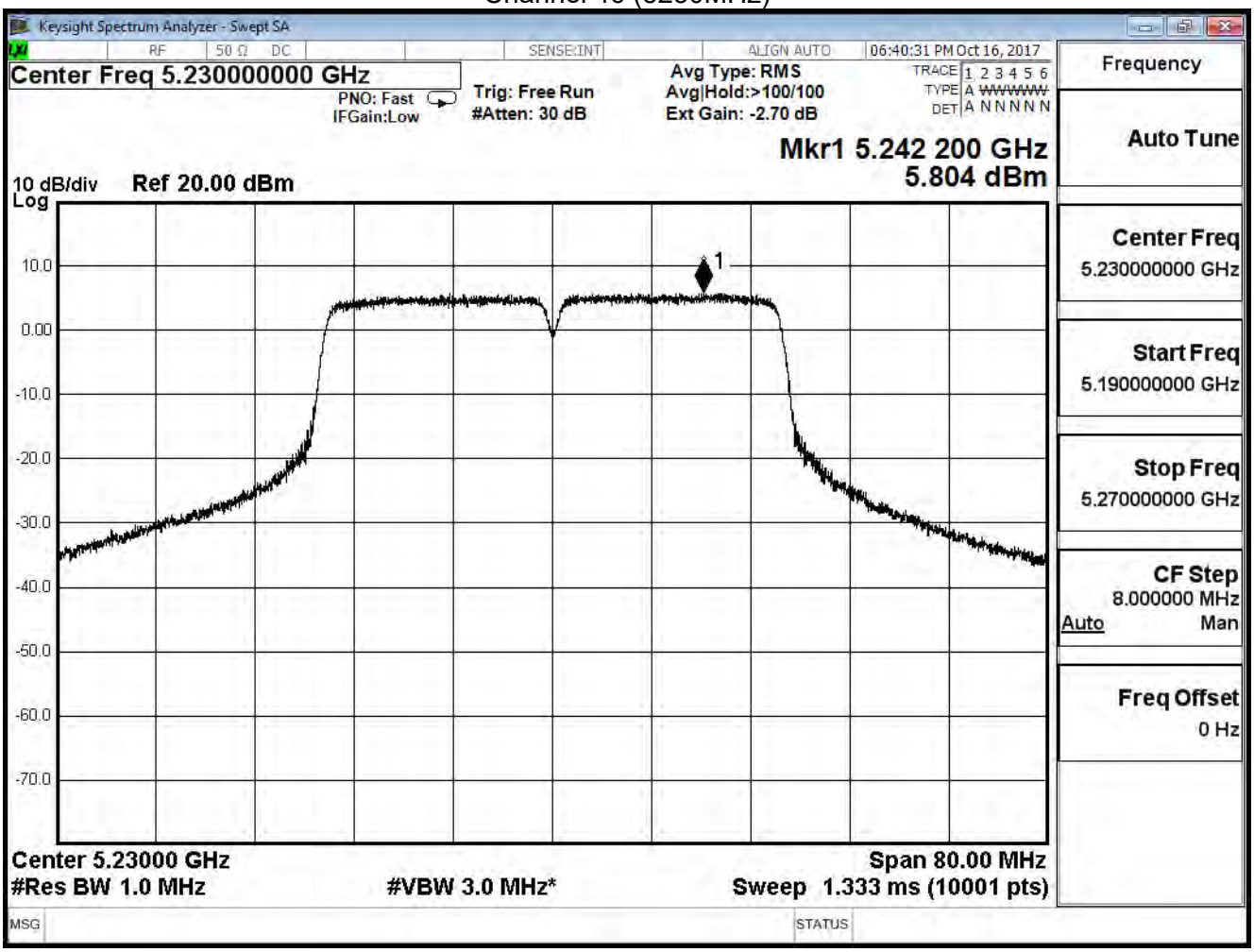
Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi

Limit = 17-(7.13-6) = 15.87dBm

Channel 38 (5190MHz)



Channel 46 (5230MHz)



Product	Gigabit Broadband Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/10/16	Test Site	SR10-H

IEEE 802.11n(40MHz)(ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Vaule (dBm)	Limit (dBm)	Result
38	5190	3.240	≦15.87	Pass
46	5230	8.884	≦15.87	Pass

Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi

Limit = 17-(7.13-6) = 15.87dBm

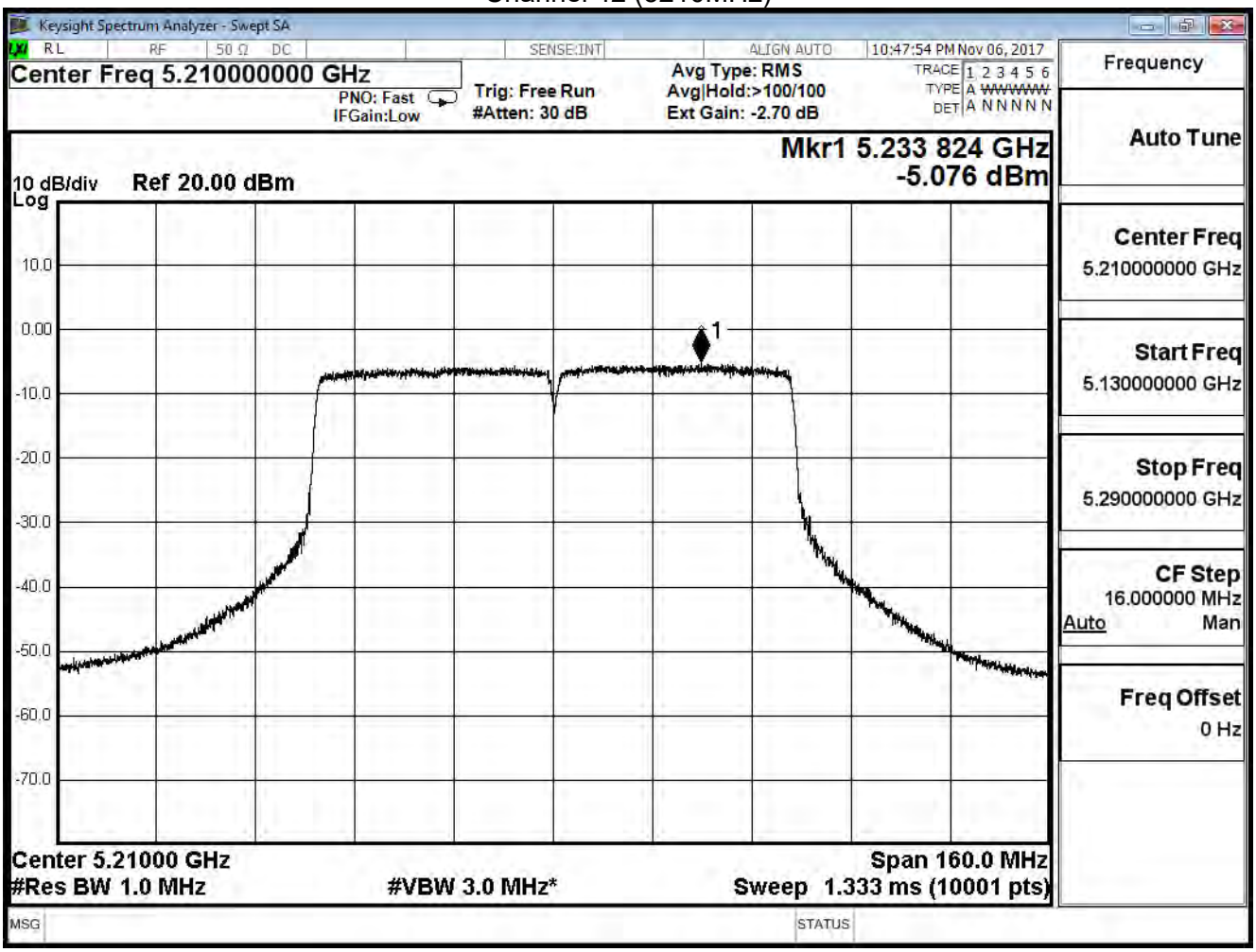
Product	Gigabit Broadband Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/11/06	Test Site	SR10-H

IEEE802.11ac(80MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measure Vaule (dBm)	Limit (dBm)	Result
42	5210	-5.076	≦15.87	Pass

Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi

Limit = 17-(7.13-6) = 15.87dBm

Channel 42 (5210MHz)



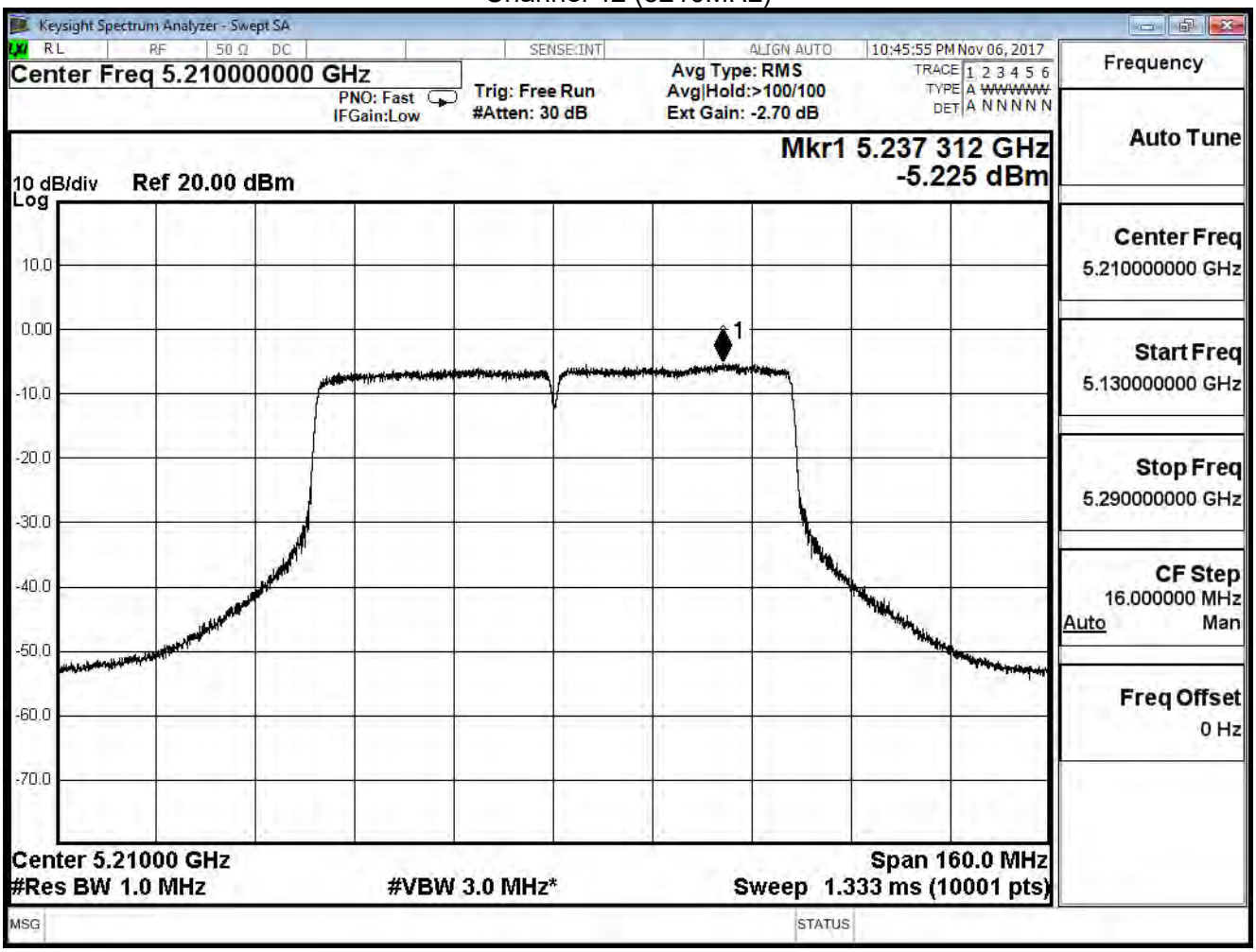
Product	Gigabit Broadband Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/11/06	Test Site	SR10-H

IEEE802.11ac(80MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measure Vaule (dBm)	Limit (dBm)	Result
42	5210	-5.225	≦15.87	Pass

Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi

Limit = 17-(7.13-6) = 15.87dBm

Channel 42 (5210MHz)



Product	Gigabit Broadband Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/11/06	Test Site	SR10-H

IEEE802.11ac(80MHz)(ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Vaule (dBm)	Limit (dBm)	Result
42	5210	-2.140	≦15.87	Pass

Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi

Limit = 17-(7.13-6) = 15.87dBm

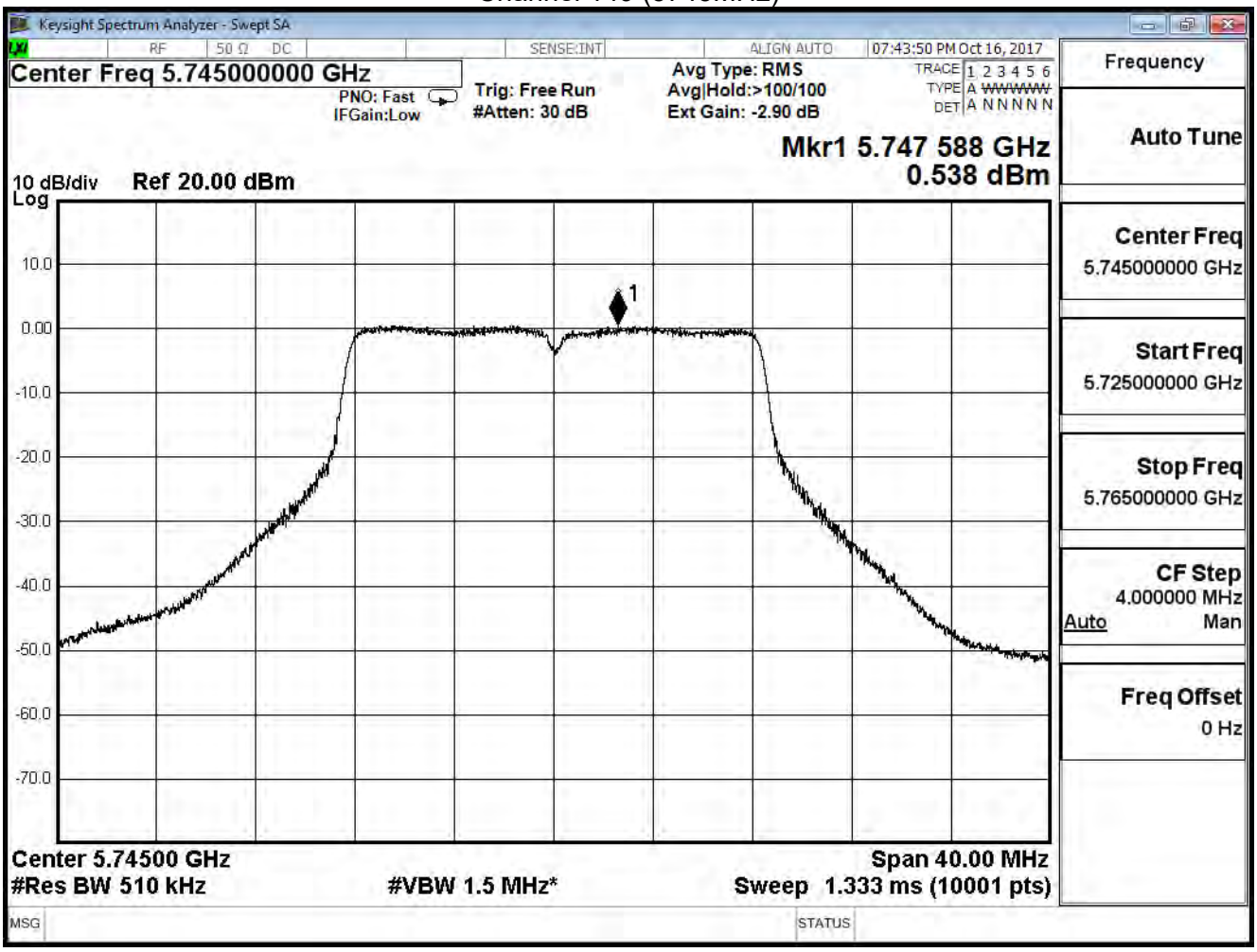
Product	Gigabit Broadband Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: TX CDD_ ADP 1		
Date of Test	2017/10/16	Test Site	SR10-H

802.11a(ANT 0)				
Channel No.	Frequency (MHz)	Measure Vaule (dBm/500KHz)	Limit (dBm/500KHz)	Result
149	5745	0.538	≦28.87	Pass
157	5785	0.621	≦28.87	Pass
165	5825	0.013	≦28.87	Pass

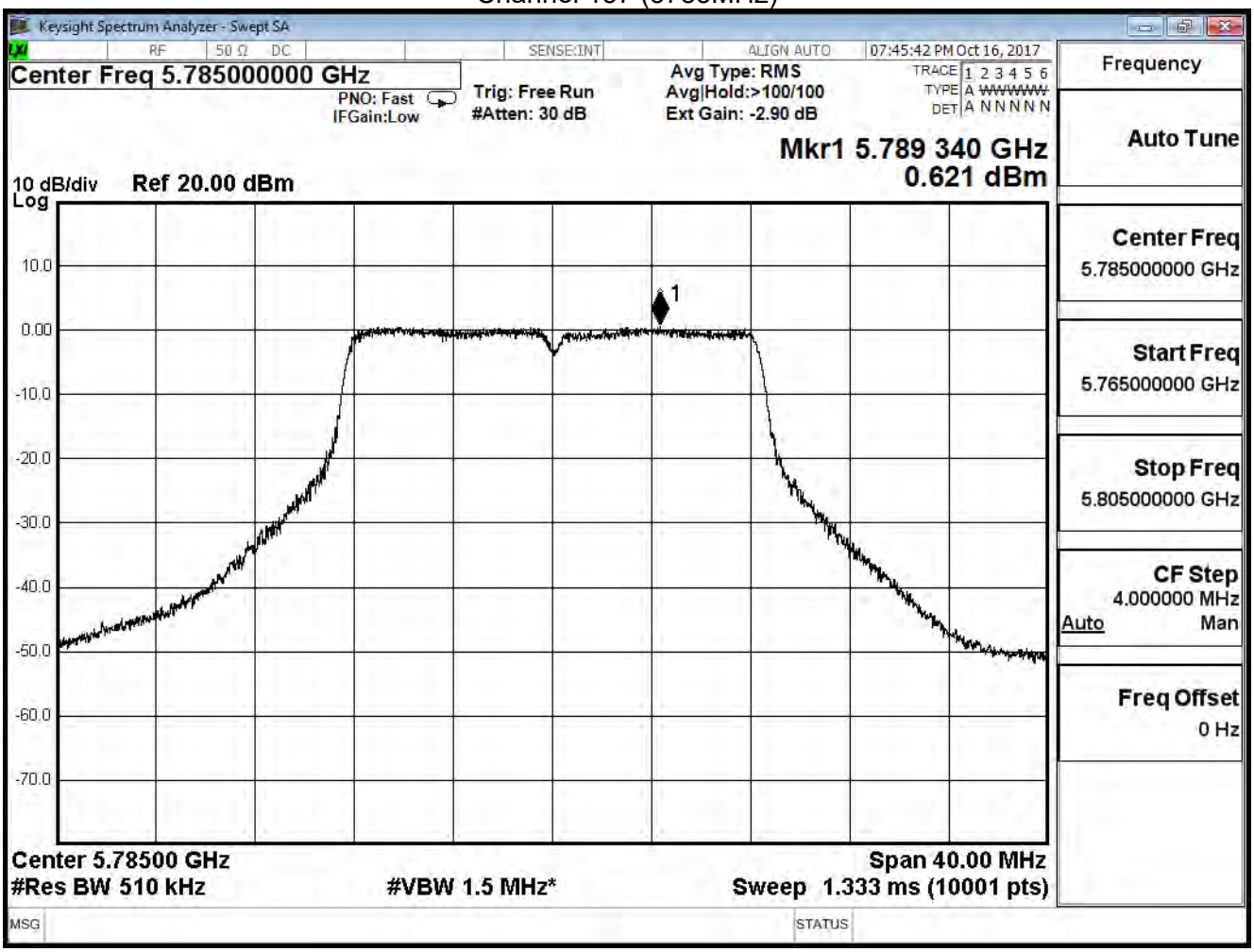
Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi

Limit = 30-(7.13-6) = 28.87dBm

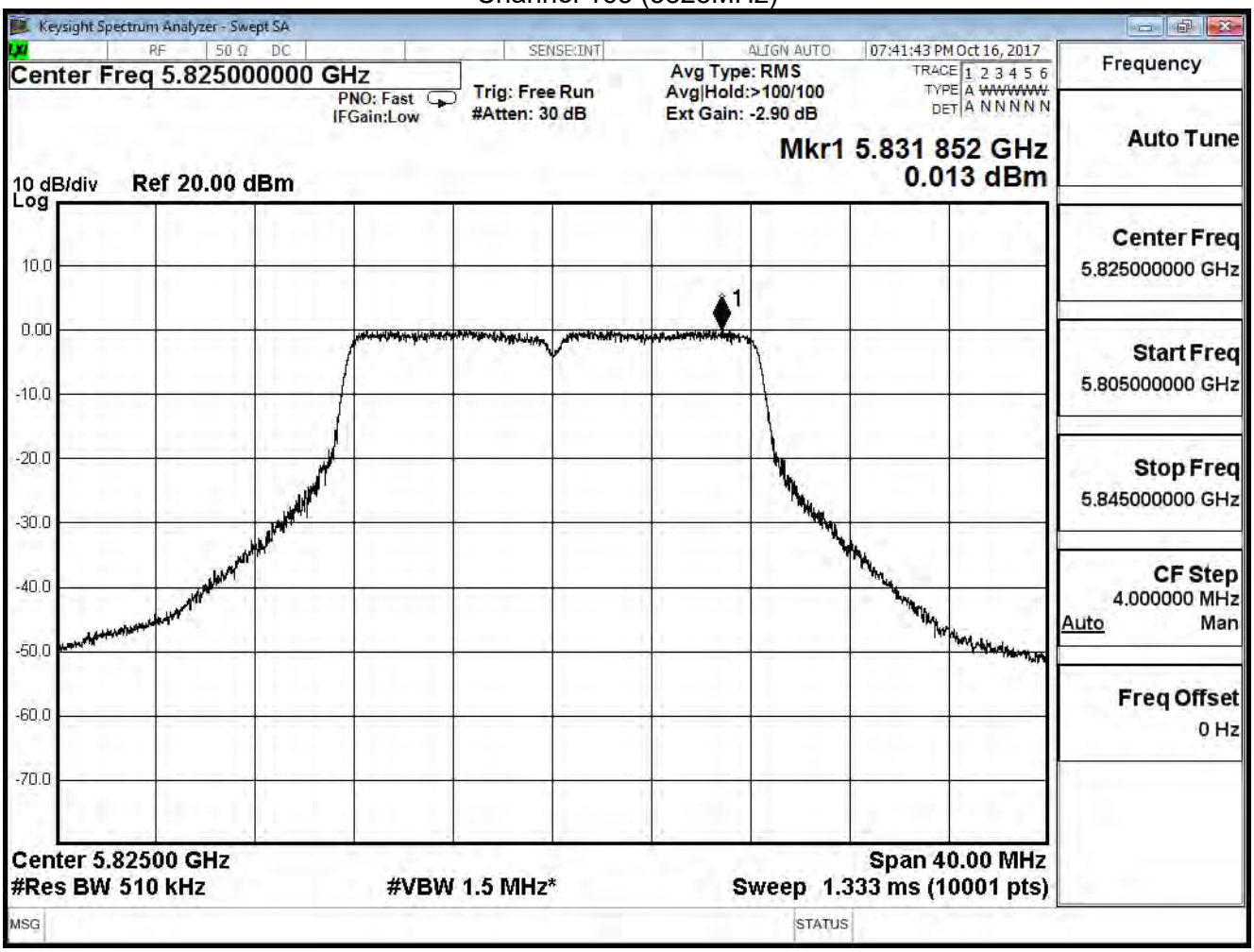
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



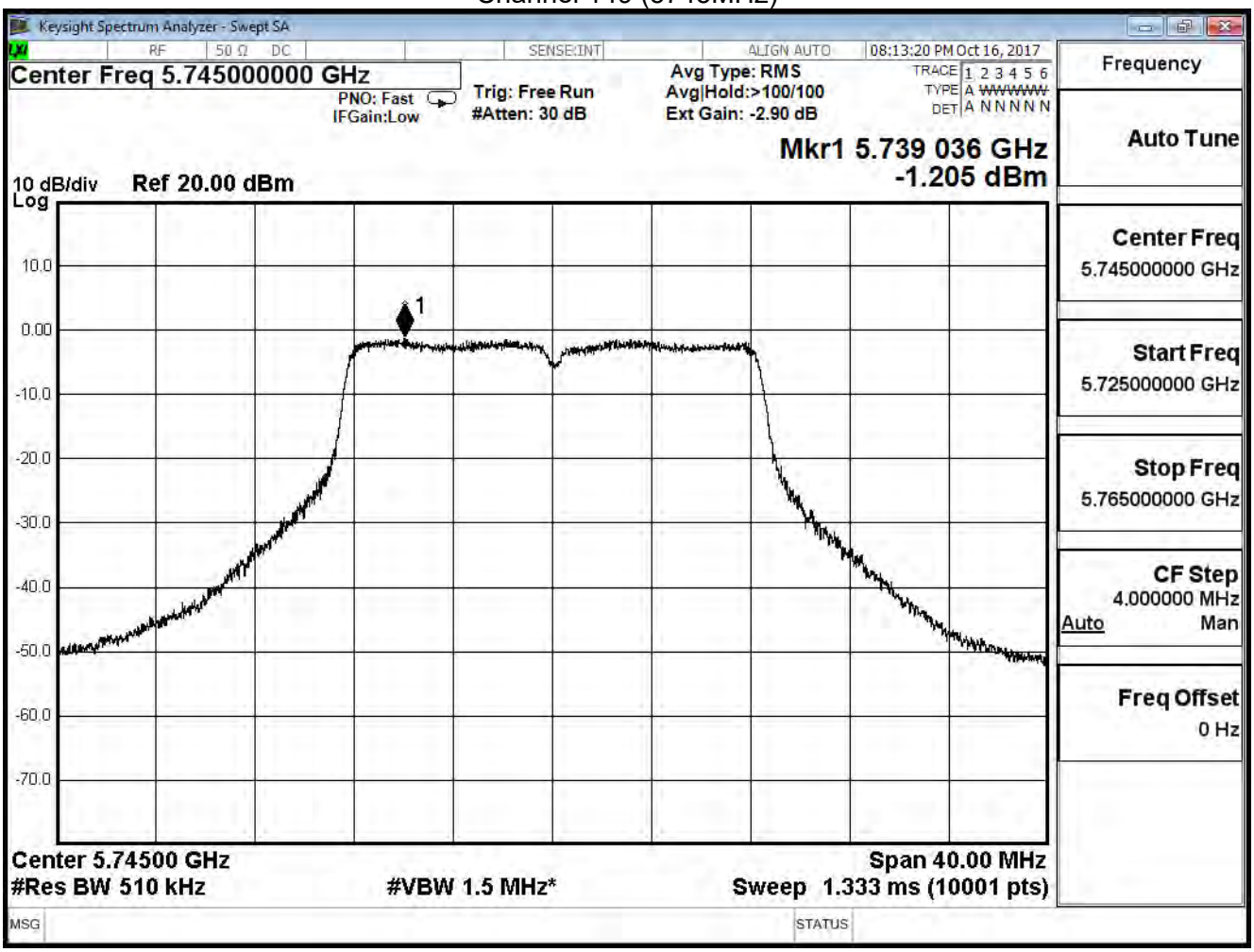
Product	Gigabit Broadband Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: TX CDD_ ADP 1		
Date of Test	2017/10/16	Test Site	SR10-H

802.11a(ANT 1)				
Channel No.	Frequency (MHz)	Measure Vaule (dBm/500KHz)	Limit (dBm/500KHz)	Result
149	5745	-1.205	≦28.87	Pass
157	5785	-1.144	≦28.87	Pass
165	5825	-1.685	≦28.87	Pass

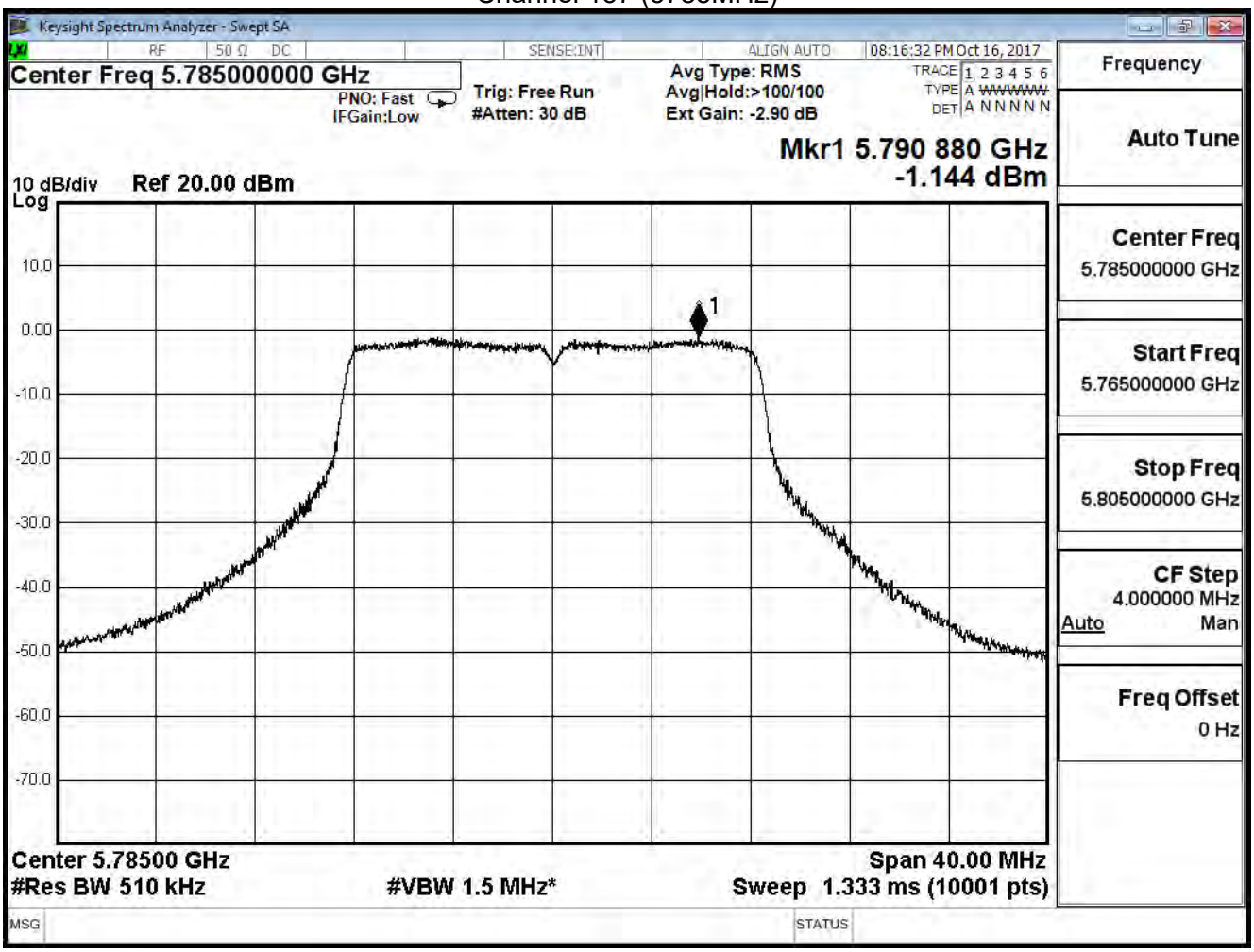
Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi

Limit = 30-(7.13-6) = 28.87dBm

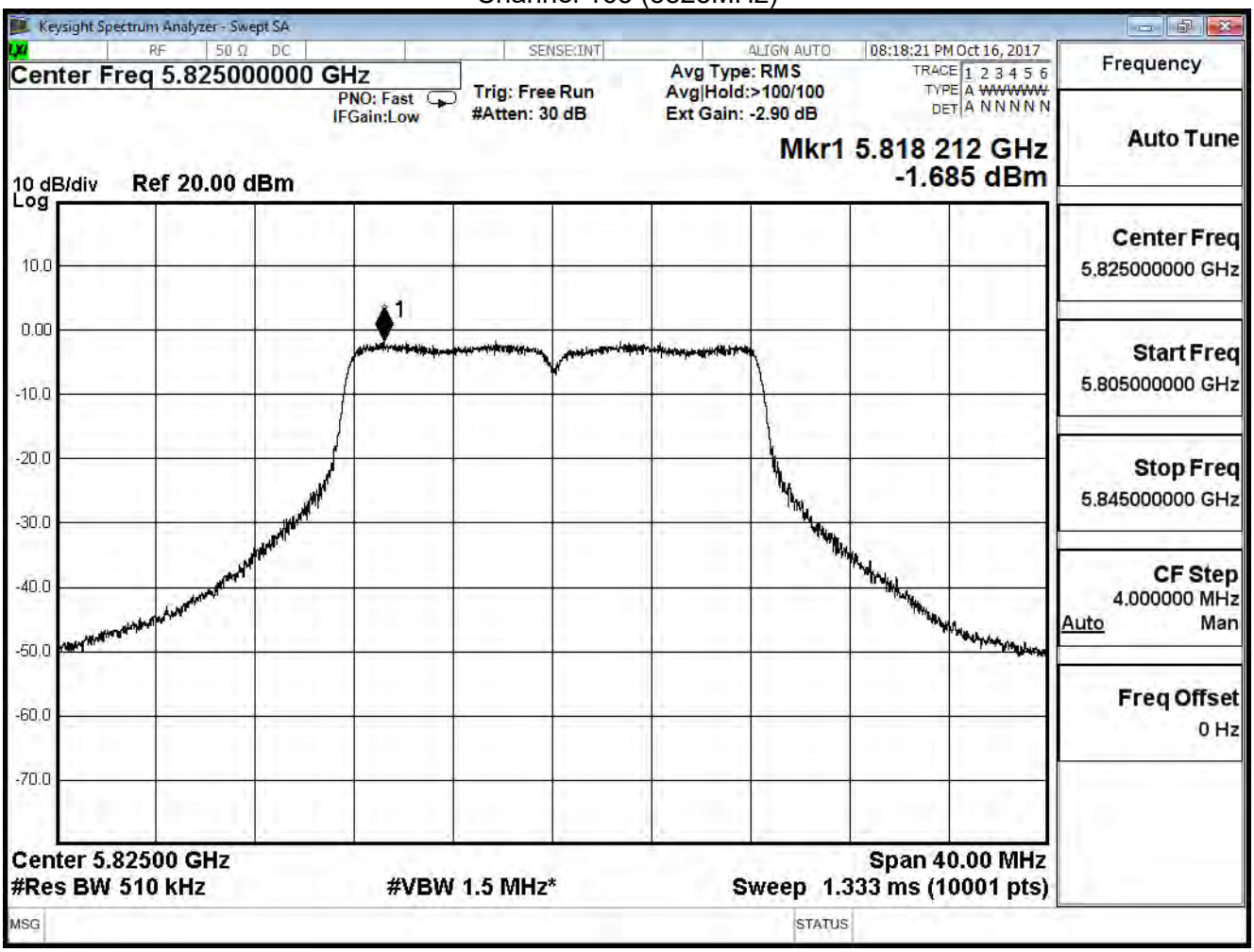
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



Product	Gigabit Broadband Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: TX CDD_ ADP 1		
Date of Test	2017/10/16	Test Site	SR10-H

802.11a(ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Vaule (dBm/500KHz)	Limit (dBm/500KHz)	Result
149	5745	2.764	≦28.87	Pass
157	5785	2.838	≦28.87	Pass
165	5825	2.257	≦28.87	Pass

Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi

Limit = 30-(7.13-6) = 28.87dBm

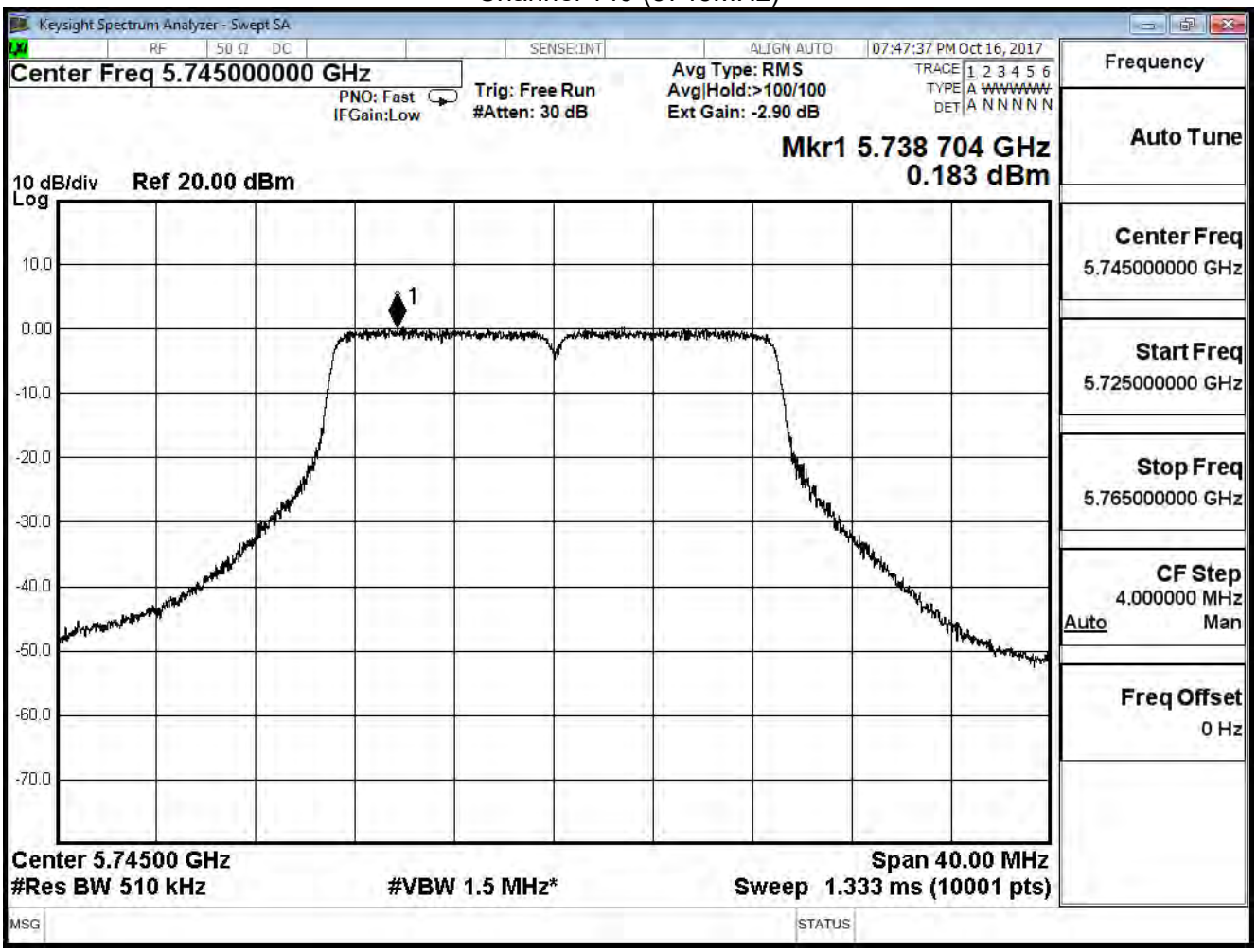
Product	Gigabit Broadband Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/10/16	Test Site	SR10-H

IEEE 802.11n(20MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measure Vaule (dBm/500KHz)	Limit (dBm/500KHz)	Result
149	5745	0.183	≦28.87	Pass
157	5785	0.271	≦28.87	Pass
165	5825	-0.267	≦28.87	Pass

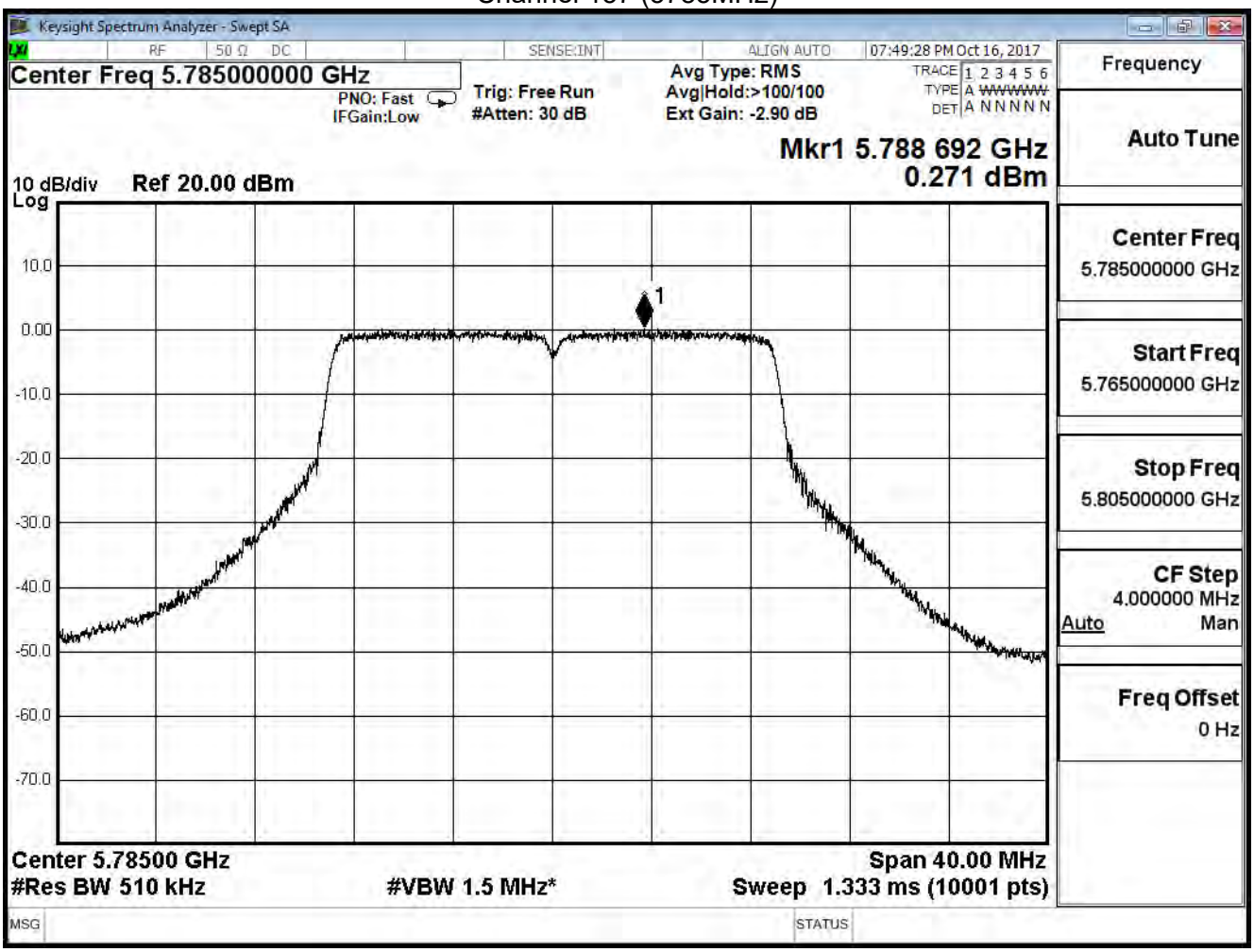
Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi

Limit = 30-(7.13-6) = 28.87dBm

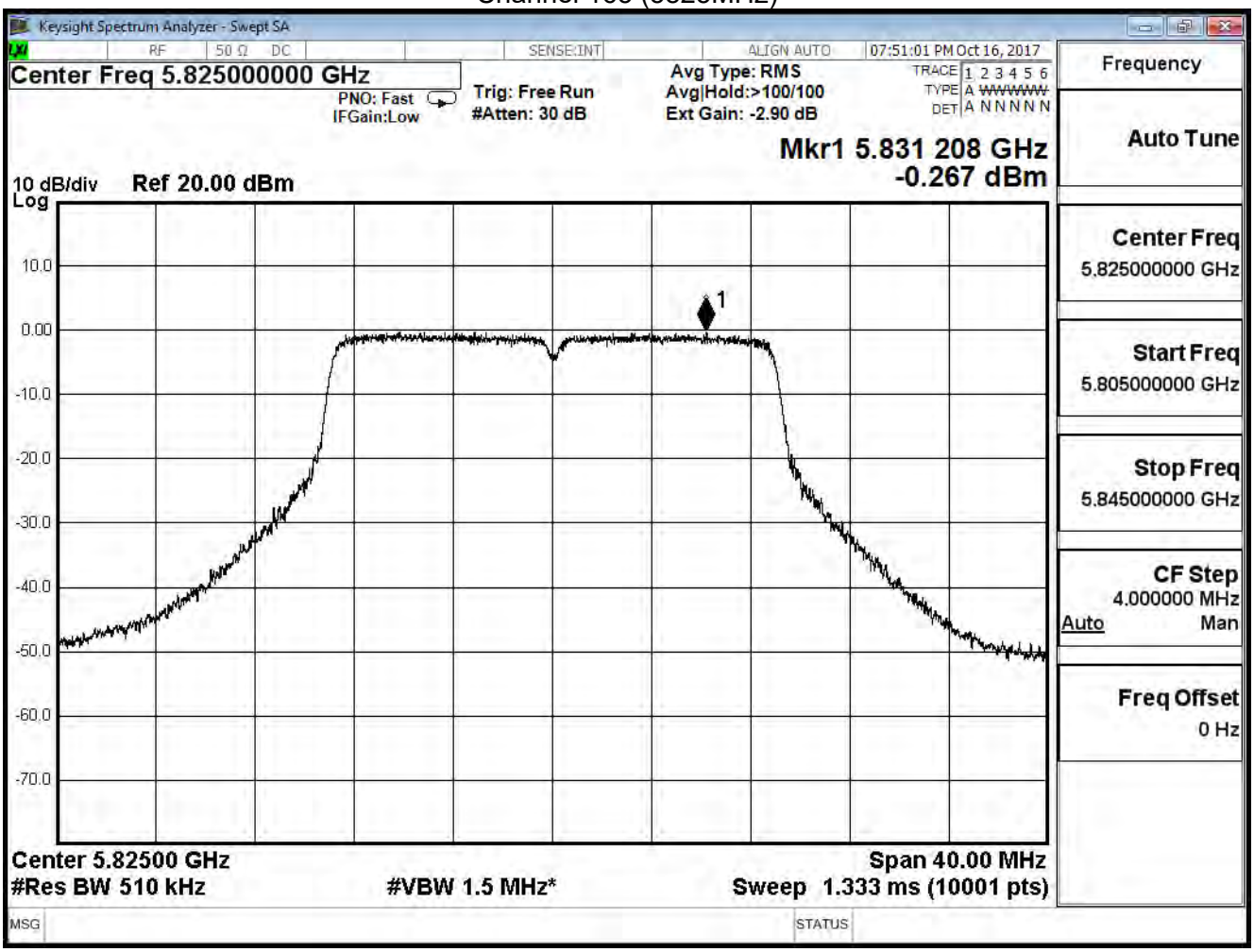
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



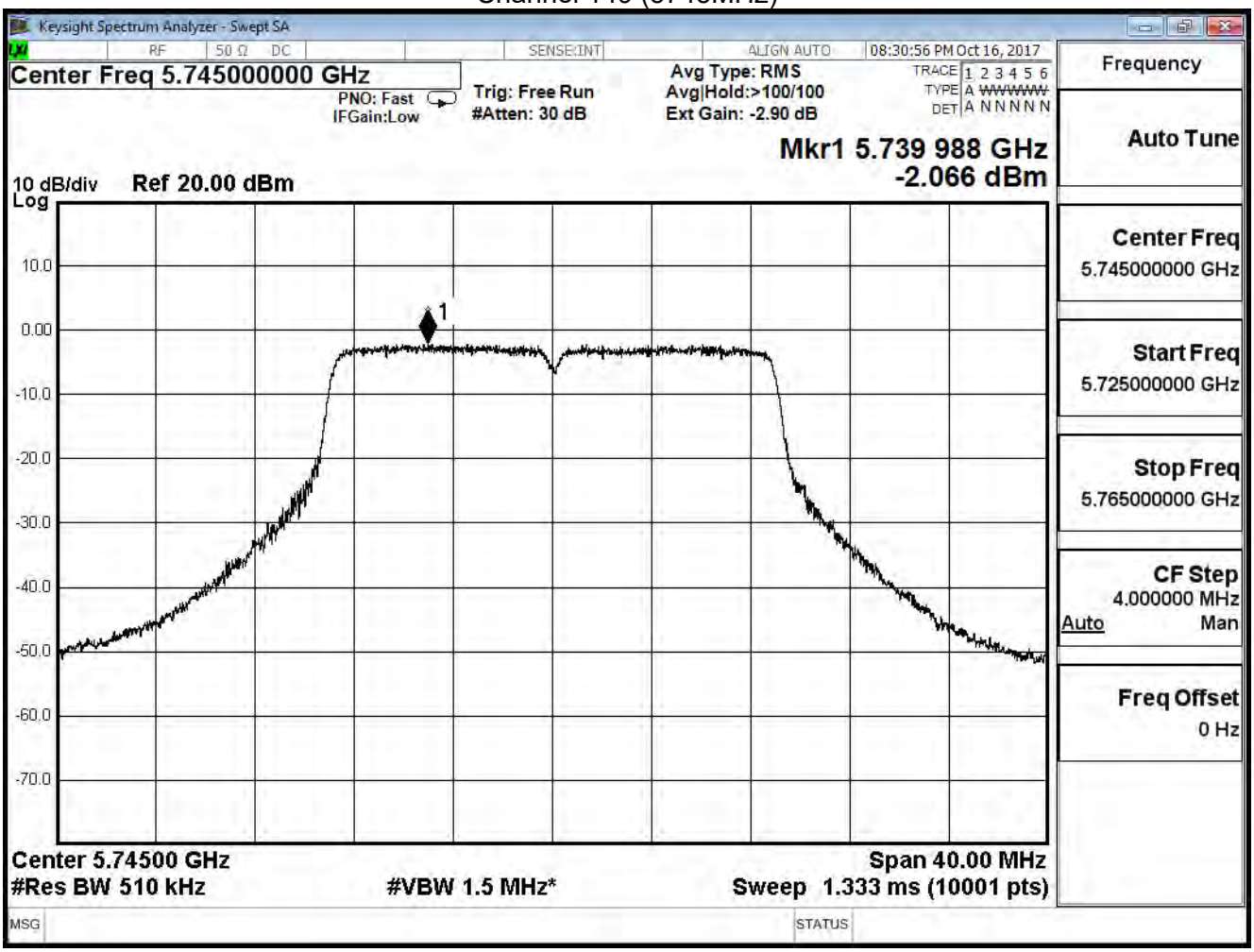
Product	Gigabit Broadband Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/10/16	Test Site	SR10-H

IEEE 802.11n(20MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measure Vaule (dBm/500KHz)	Limit (dBm/500KHz)	Result
149	5745	-2.066	≦28.87	Pass
157	5785	-1.879	≦28.87	Pass
165	5825	-2.467	≦28.87	Pass

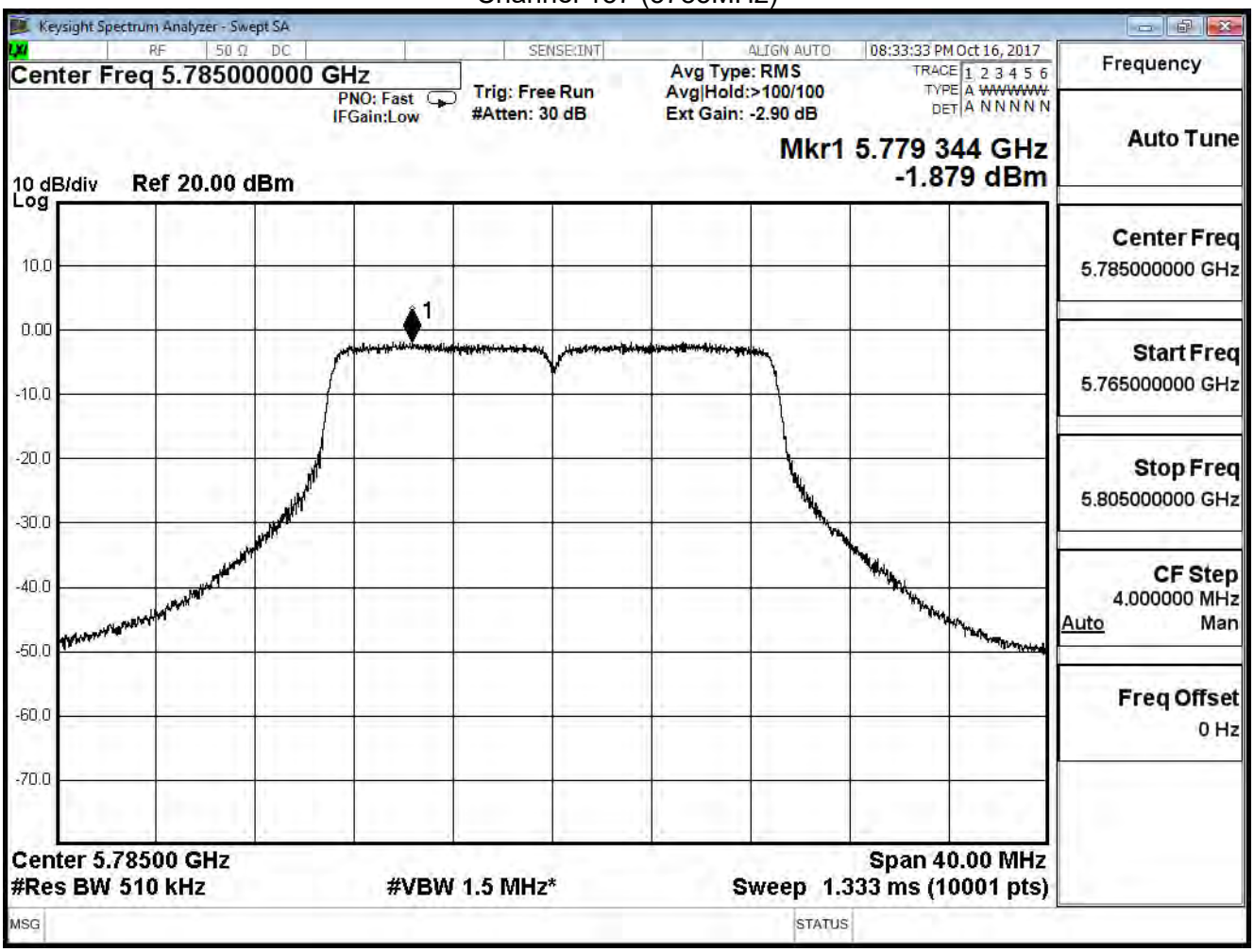
Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi

Limit = 30-(7.13-6) = 28.87dBm

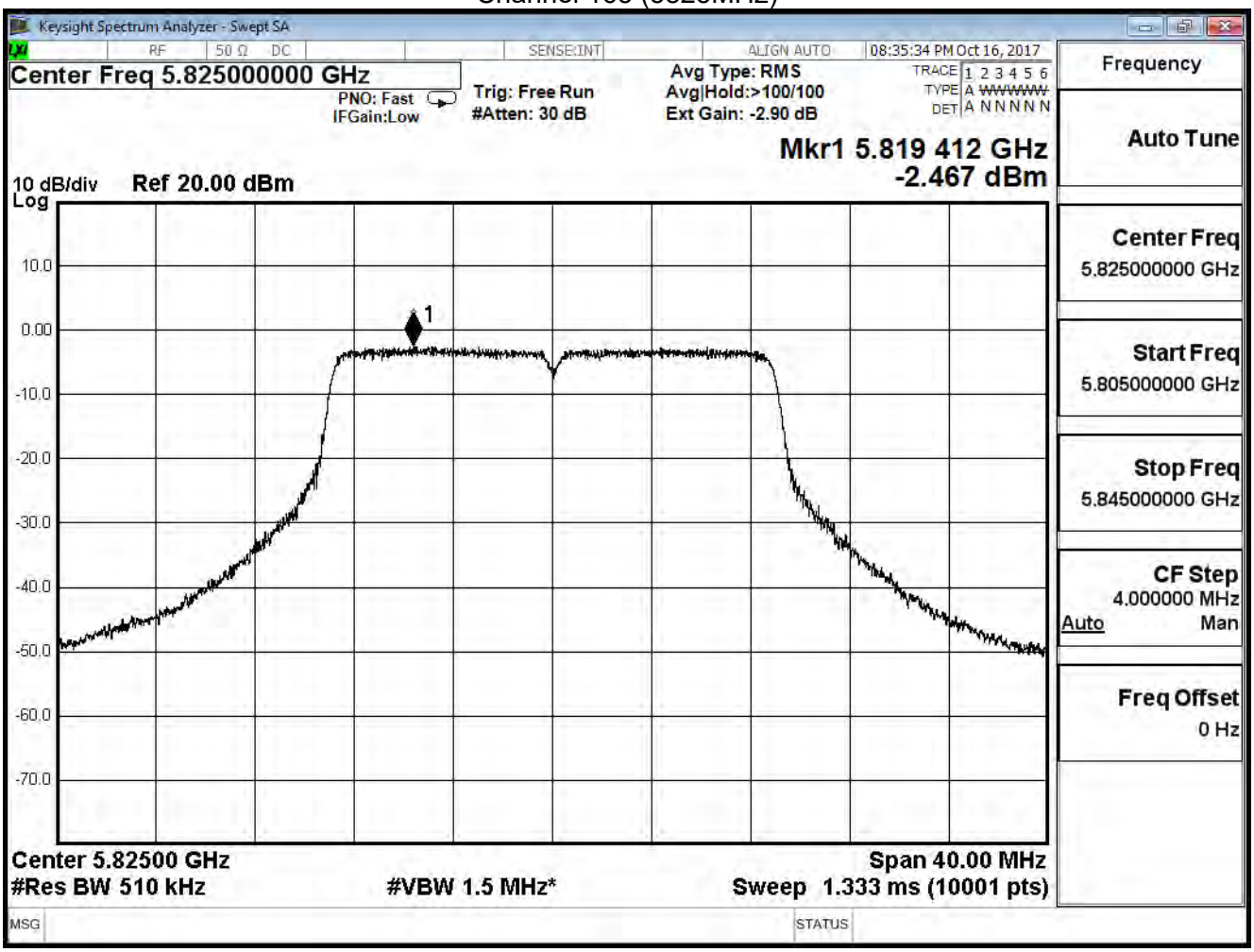
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



Product	Gigabit Broadband Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/10/16	Test Site	SR10-H

IEEE 802.11n(20MHz)(ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Vaule (dBm/500KHz)	Limit (dBm/500KHz)	Result
149	5745	2.213	≦28.87	Pass
157	5785	2.338	≦28.87	Pass
165	5825	1.781	≦28.87	Pass

Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi

Limit = 30-(7.13-6) = 28.87dBm

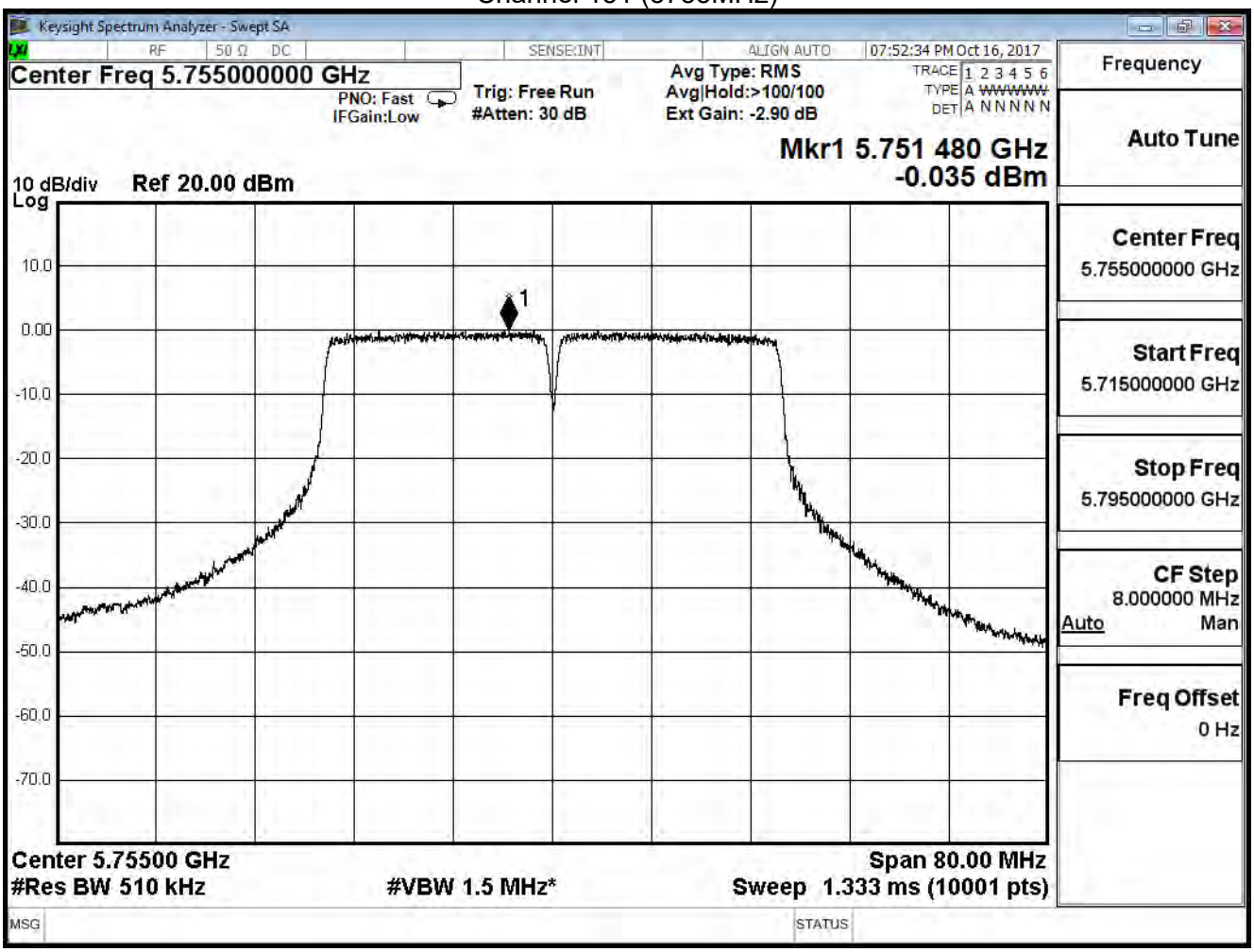
Product	Gigabit Broadband Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/10/16	Test Site	SR10-H

IEEE 802.11n(40MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measure Vaule (dBm/500KHz)	Limit (dBm/500KHz)	Result
151	5755	-0.035	≦28.87	Pass
159	5795	-0.687	≦28.87	Pass

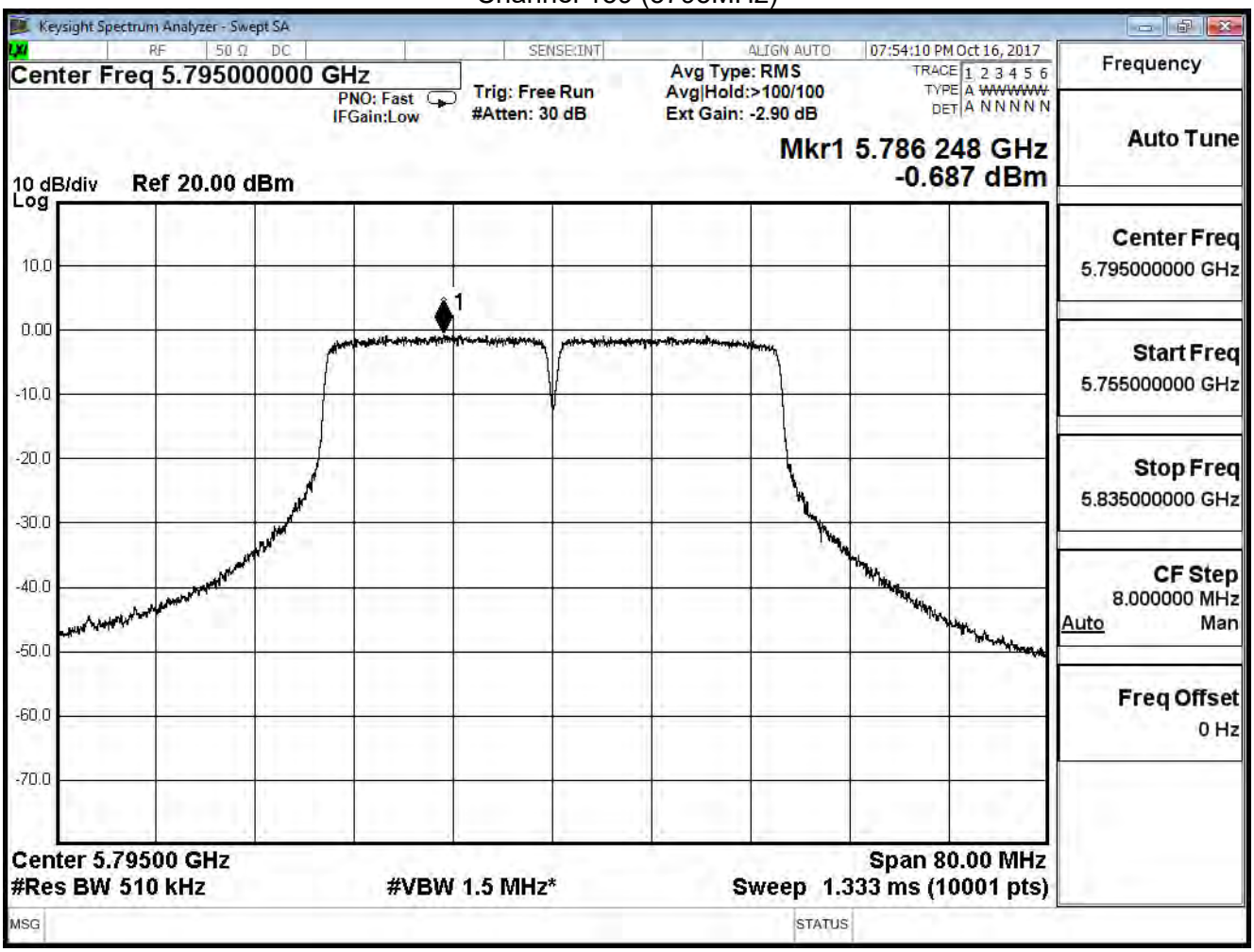
Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi

Limit = 30-(7.13-6) = 28.87dBm

Channel 151 (5755MHz)



Channel 159 (5795MHz)



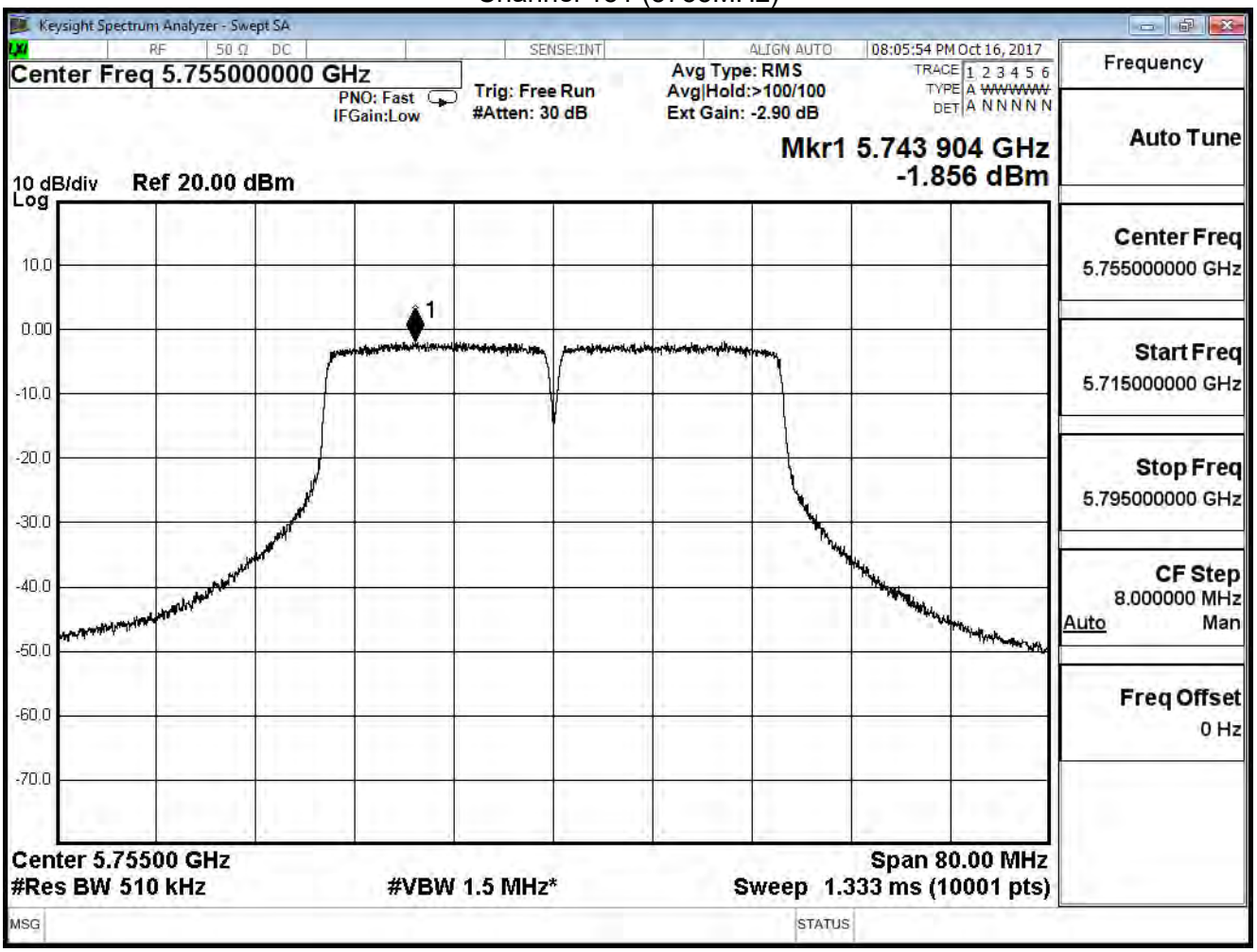
Product	Gigabit Broadband Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/10/16	Test Site	SR10-H

IEEE 802.11n(40MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measure Vaule (dBm/500KHz)	Limit (dBm/500KHz)	Result
151	5755	-1.856	≦28.87	Pass
159	5795	-2.309	≦28.87	Pass

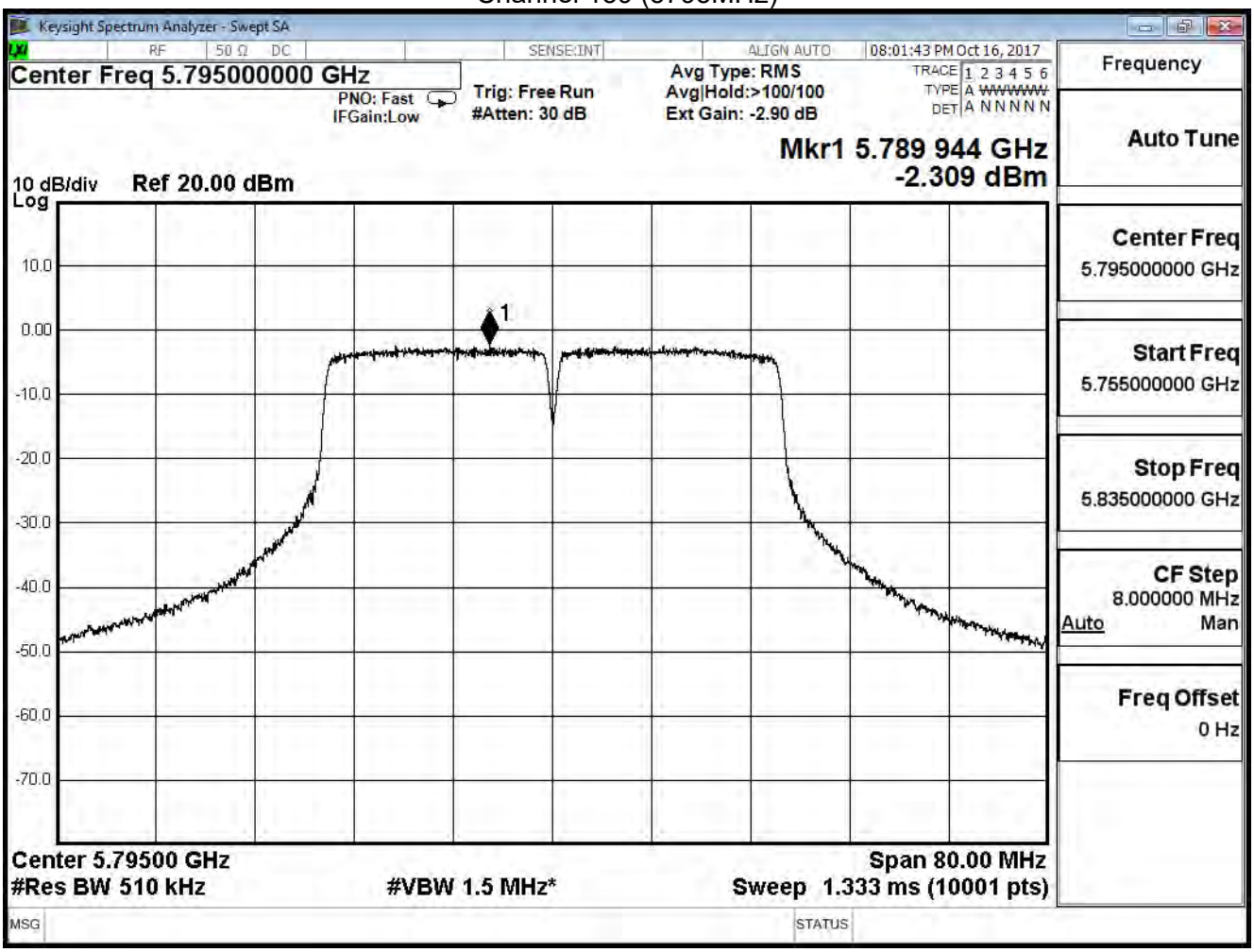
Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi

Limit = 30-(7.13-6) = 28.87dBm

Channel 151 (5755MHz)



Channel 159 (5795MHz)



Product	Gigabit Broadband Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/10/16	Test Site	SR10-H

IEEE 802.11n(40MHz)(ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Vaule (dBm/500KHz)	Limit (dBm/500KHz)	Result
151	5755	2.160	≦28.87	Pass
159	5795	1.588	≦28.87	Pass

Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi

Limit = 30-(7.13-6) = 28.87dBm

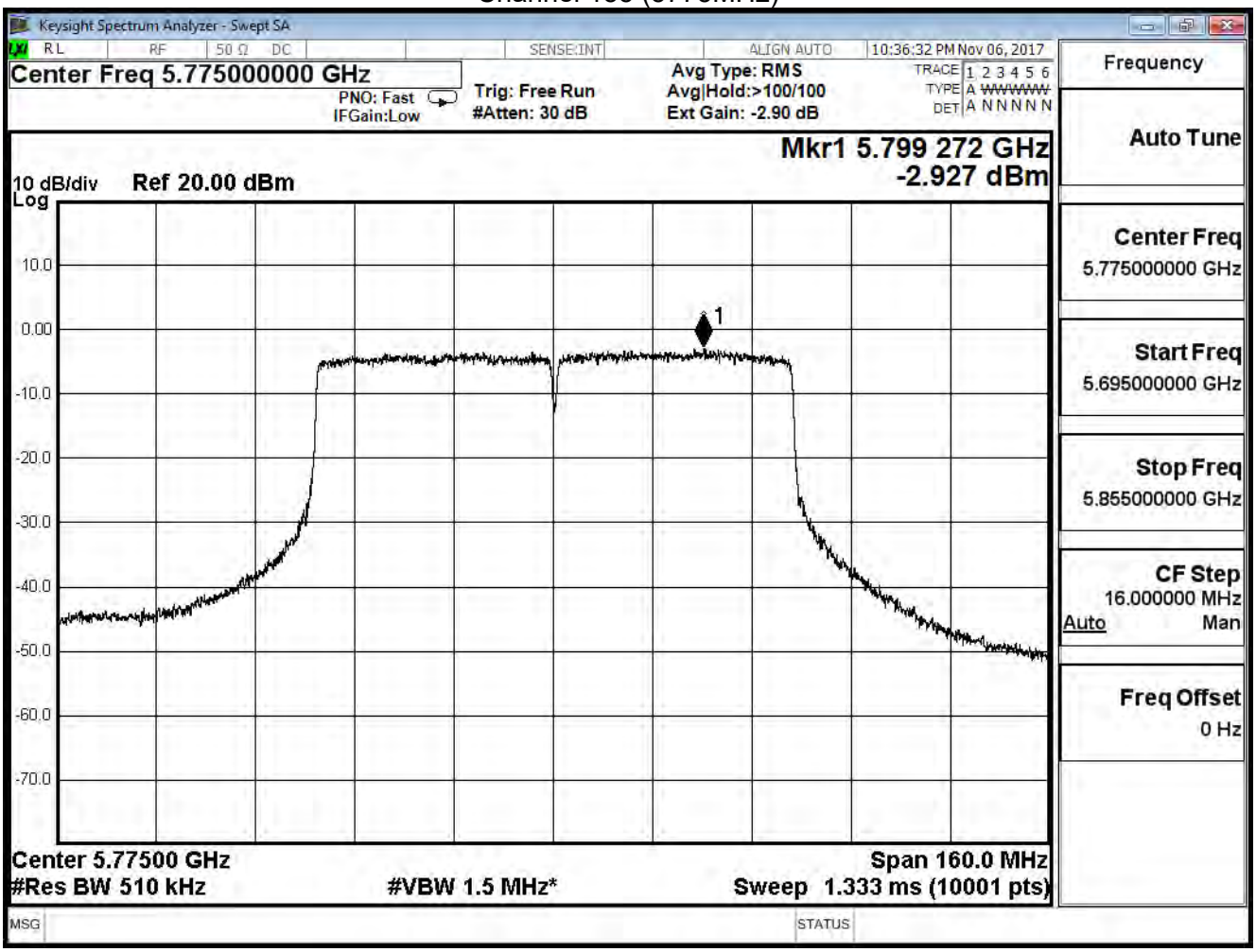
Product	Gigabit Broadband Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/11/06	Test Site	SR10-H

IEEE802.11ac(80MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measure Vaule (dBm/500KHz)	Limit (dBm/500KHz)	Result
155	5775	-2.927	≦28.87	Pass

Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi

Limit = 30-(7.13-6) = 28.87dBm

Channel 155 (5775MHz)



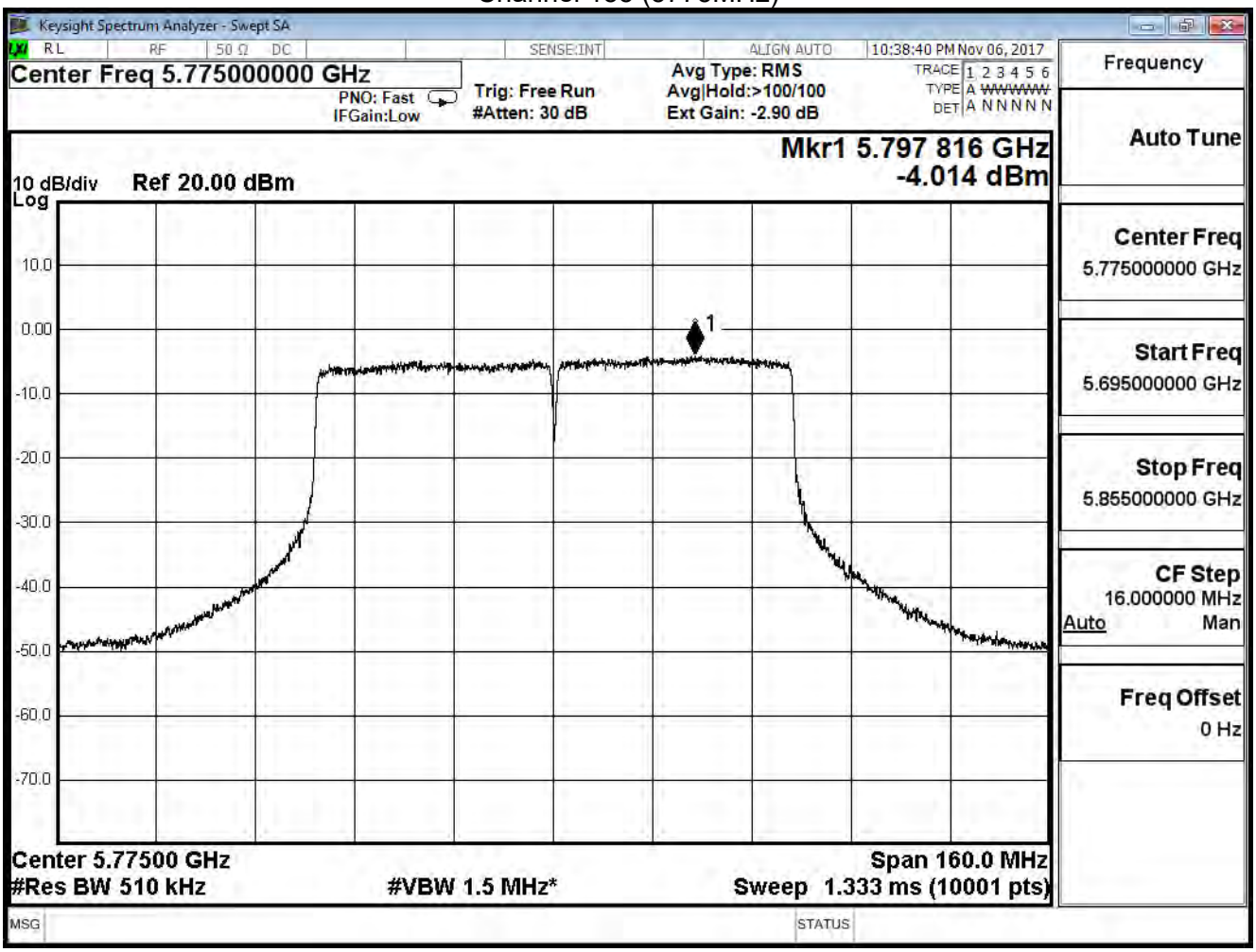
Product	Gigabit Broadband Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/11/06	Test Site	SR10-H

IEEE802.11ac(80MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measure Vaule (dBm/500KHz)	Limit (dBm/500KHz)	Result
155	5775	-4.014	≦28.87	Pass

Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi

Limit = 30-(7.13-6) = 28.87dBm

Channel 155 (5775MHz)



Product	Gigabit Broadband Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/11/06	Test Site	SR10-H

IEEE802.11ac(80MHz)(ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Vaule (dBm/500KHz)	Limit (dBm/500KHz)	Result
155	5775	-0.426	≦28.87	Pass

Note: Array Gain: Antenna gain +10 log(N) =4.12+3.01 = 7.13dBi

Limit = 30-(7.13-6) = 28.87dBm

6. Radiated Emission

6.1. Test Equipment

The following test equipment are used during the radiated emission test:

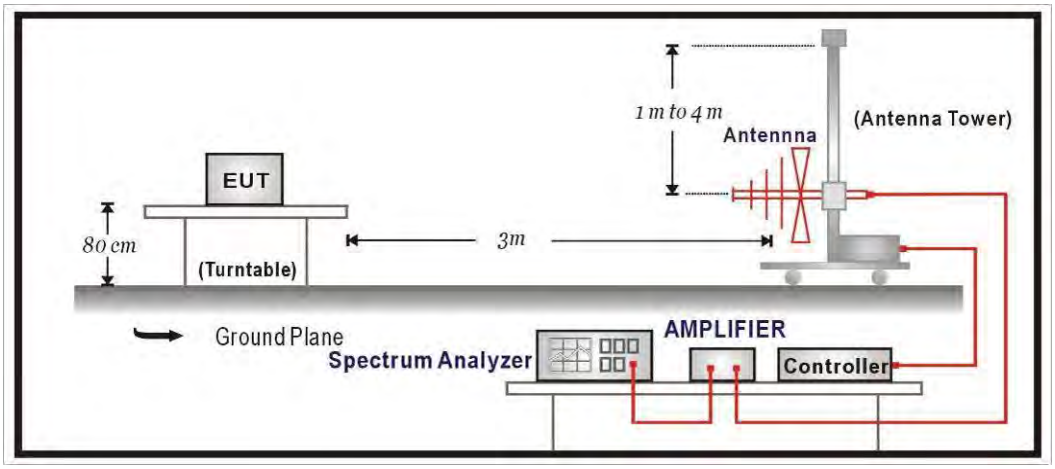
Radiated Emission /CB2-H

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

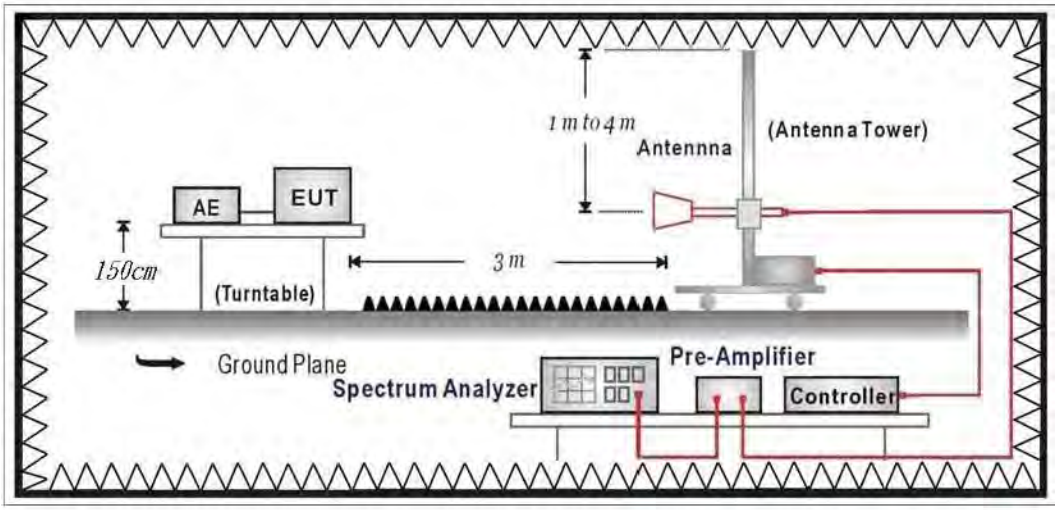
Note: All equipment that need to calibrate are with calibration period of 1 year.

6.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



6.3. Limits

➢ General Radiated Emission Limits

The provisions of Section 15.205 of this part apply to intentional radiators operating under this section. Radiated emissions which fall in the restricted bands, as defined in Section 15.205, must also comply with the radiated emission limits specified in Section 15.209:

FCC Part 15 Subpart C Paragraph 15.209 Limits		
Frequency MHz	uV/m @3m	dBuV/m@3m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

Remark:

1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
2. In the Above Table, the tighter limit applies at the band edges.
3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

➢ Unwanted Emission out of the restricted bands Limits

FCC Part 15 Subpart C Paragraph 15.407(b) Limits		
Frequency (MHz)	EIRP Limit (dBm)	Equivalent Field Strength (dBuV/m@3m)
5150 - 5250	-27	68.3
5250 - 5350	-27	68.3
5470 - 5725	-27	68.3
5725 - 5850	-27 (Note1)	68.3
	-17 (Note2)	78.3

Remark:

1. For frequencies more than 10 MHz above or below the band edges.
2. For frequency range from the band edges to 10 MHz above or below the band edges.
3. uV/m = $\frac{1000000\sqrt{30\times EIRP}}{3}$, RF Voltage (dBuV/m) = 20 log RF Voltage (uV/m)

6.4. Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 or 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10: 2013 on radiated measurement.
The additional latch filter below 1GHz was used to measure the level of harmonics radiated emission during field dtrength of harmonics measurement.
The bandwidth below 1GHz setting on the field strength meter is 120 KHz, above 1GHz are 1 MHz.
The frequency range from 30MHz to 10th harminics is checked.

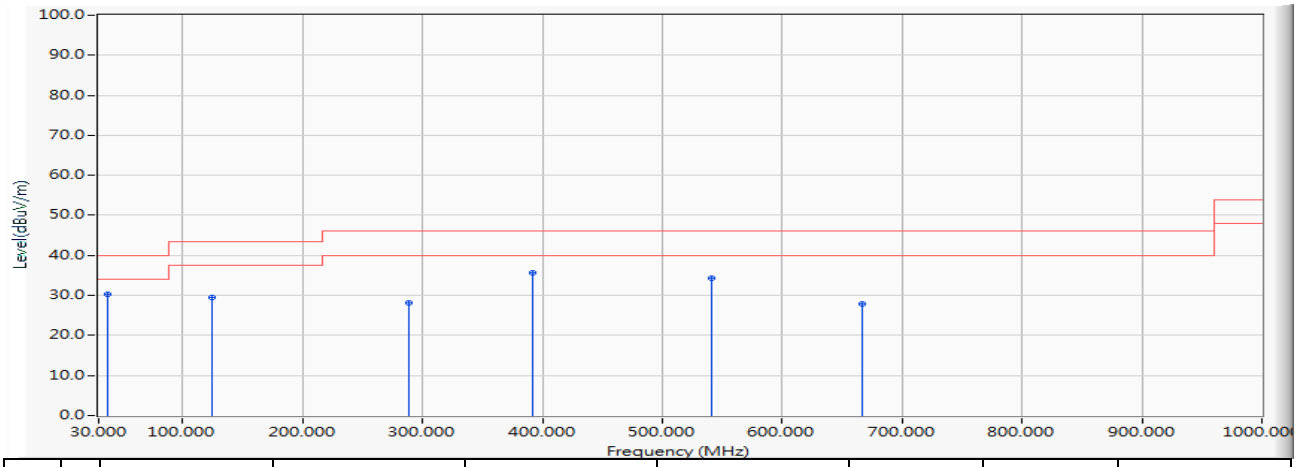
6.5. Uncertainty

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

6.6. 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 CDD_ADP 1 802.11a_5220MHz**

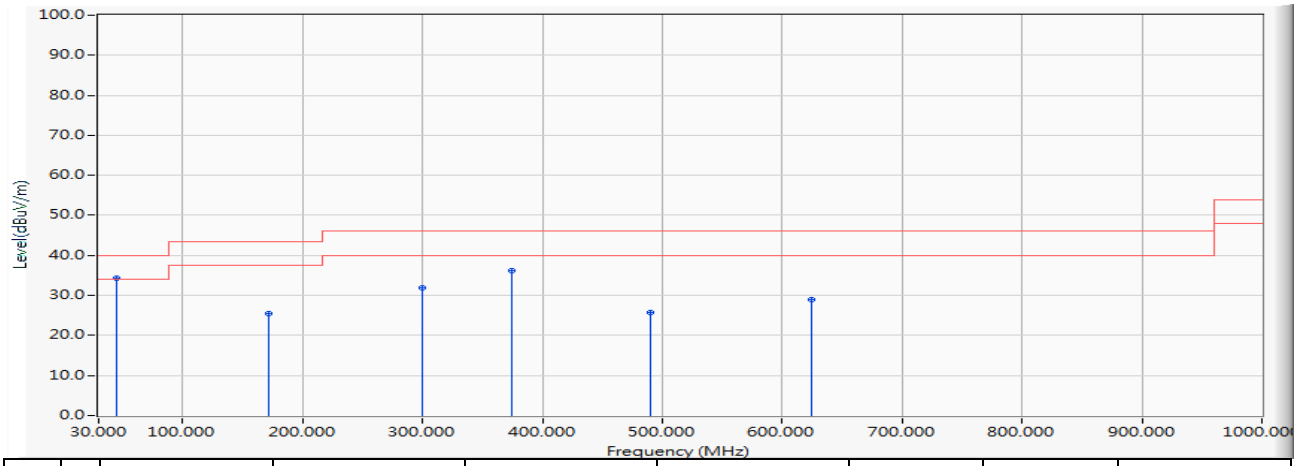


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	37.274	-16.733	46.969	30.236	-9.764	40.000	QUASIPEAK
2		124.954	-21.636	51.191	29.555	-13.945	43.500	QUASIPEAK
3		288.091	-19.473	47.659	28.187	-17.813	46.000	QUASIPEAK
4		391.677	-16.223	51.994	35.771	-10.229	46.000	QUASIPEAK
5		540.751	-13.984	48.324	34.340	-11.660	46.000	QUASIPEAK
6		666.256	-12.593	40.533	27.940	-18.060	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 CDD_ADP 1 802.11a_5220MHz**

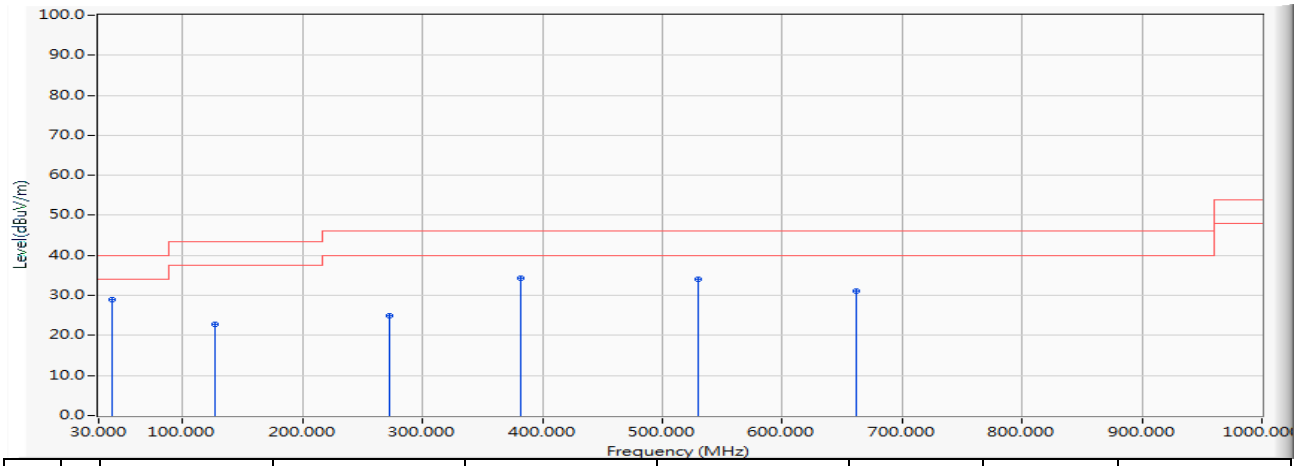


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	45.518	-23.039	57.308	34.269	-5.731	40.000	QUASIPEAK
2		171.994	-23.762	49.346	25.584	-17.916	43.500	QUASIPEAK
3		299.924	-19.180	51.191	32.011	-13.989	46.000	QUASIPEAK
4		375.091	-16.754	53.078	36.324	-9.676	46.000	QUASIPEAK
5		490.025	-14.591	40.403	25.812	-20.188	46.000	QUASIPEAK
6		624.939	-13.026	41.994	28.968	-17.032	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)_5220MHz**

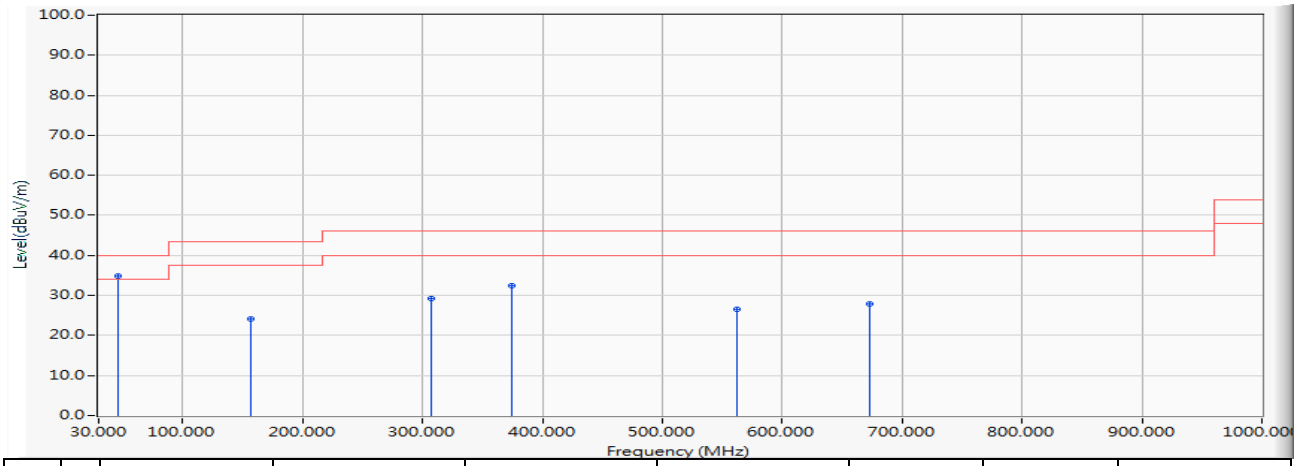


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	41.736	-18.716	47.652	28.937	-11.063	40.000	QUASIPEAK
2		127.378	-21.684	44.512	22.828	-20.672	43.500	QUASIPEAK
3		272.864	-19.833	44.831	24.998	-21.002	46.000	QUASIPEAK
4		381.784	-16.544	50.816	34.272	-11.728	46.000	QUASIPEAK
5		529.403	-14.145	48.286	34.141	-11.859	46.000	QUASIPEAK
6		661.795	-12.634	43.798	31.163	-14.837	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)_5220MHz**

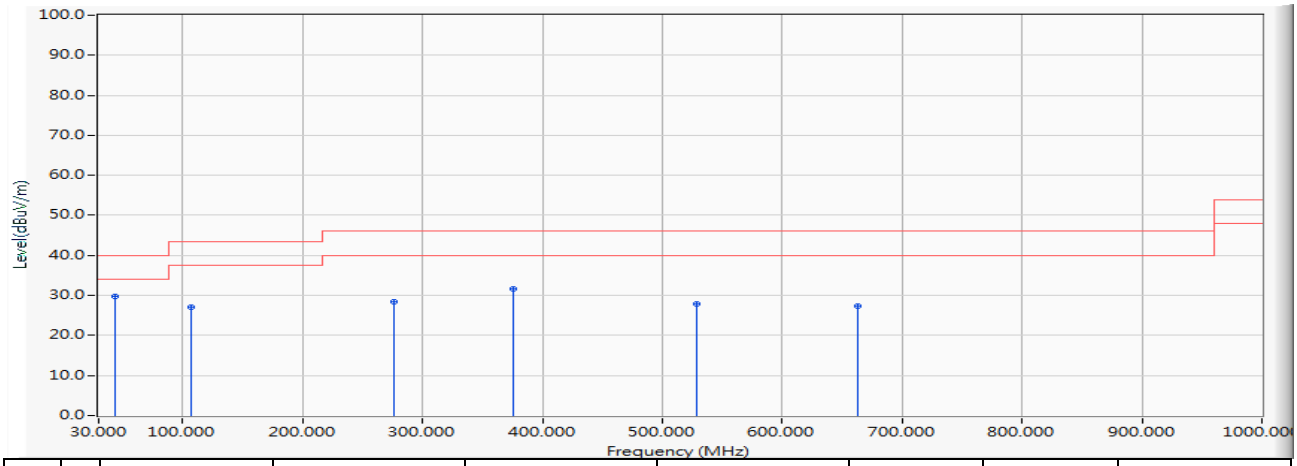


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	45.615	-23.097	58.060	34.963	-5.037	40.000	QUASIPEAK
2		156.281	-22.826	46.914	24.087	-19.413	43.500	QUASIPEAK
3		307.392	-18.910	48.186	29.276	-16.724	46.000	QUASIPEAK
4		374.898	-16.761	49.071	32.311	-13.689	46.000	QUASIPEAK
5		562.380	-13.718	40.198	26.480	-19.520	46.000	QUASIPEAK
6		673.143	-12.527	40.453	27.927	-18.073	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)_5190MHz**

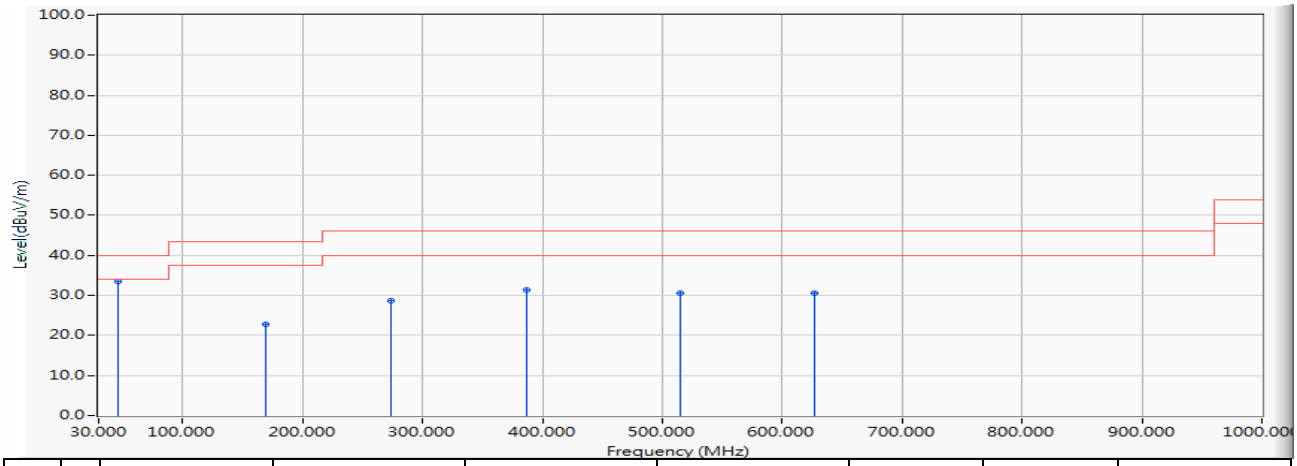


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	43.482	-20.865	50.698	29.833	-10.167	40.000	QUASIPEAK
2		106.525	-22.892	49.961	27.069	-16.431	43.500	QUASIPEAK
3		275.676	-19.767	48.123	28.357	-17.643	46.000	QUASIPEAK
4		375.188	-16.752	48.321	31.570	-14.430	46.000	QUASIPEAK
5		528.918	-14.151	42.167	28.016	-17.984	46.000	QUASIPEAK
6		663.444	-12.618	40.021	27.402	-18.598	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)_5190MHz**

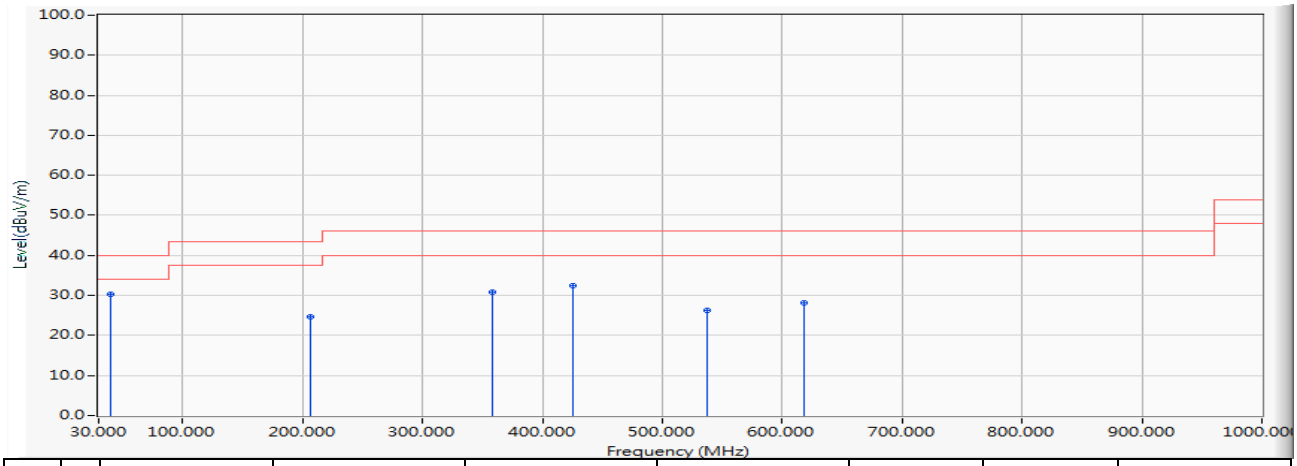


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	46.197	-23.440	56.961	33.521	-6.479	40.000	QUASIPEAK
2		168.696	-23.560	46.466	22.907	-20.593	43.500	QUASIPEAK
3		274.222	-19.801	48.466	28.665	-17.335	46.000	QUASIPEAK
4		386.342	-16.397	47.691	31.294	-14.706	46.000	QUASIPEAK
5		514.564	-14.318	44.846	30.529	-15.471	46.000	QUASIPEAK
6		626.684	-12.996	43.532	30.536	-15.464	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 1 802.11ac(80M)_5210MHz**

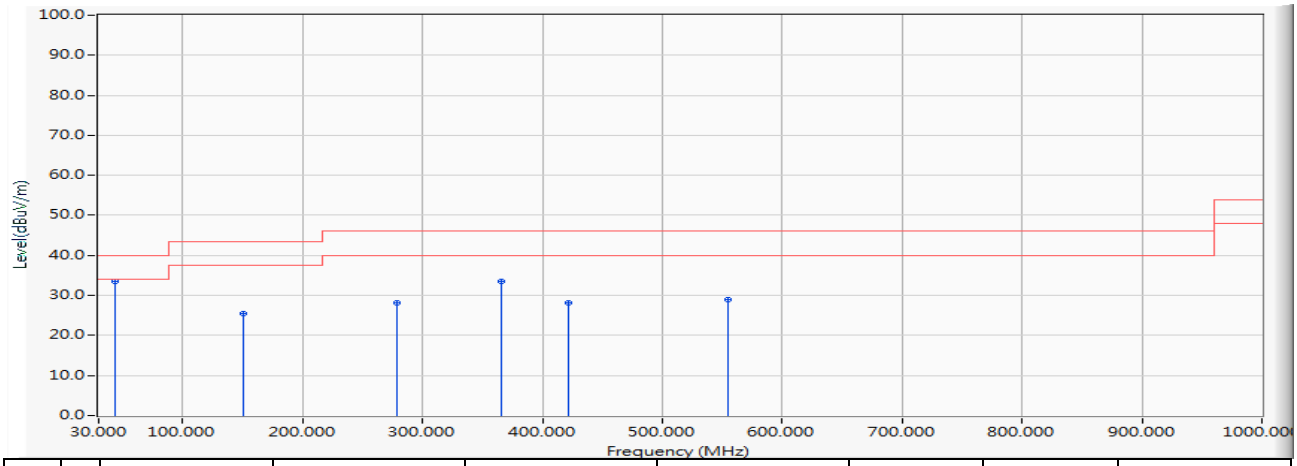


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	40.281	-17.083	47.426	30.343	-9.657	40.000	QUASIPEAK
2		206.231	-23.078	47.840	24.762	-18.738	43.500	QUASIPEAK
3		358.506	-17.264	48.091	30.827	-15.173	46.000	QUASIPEAK
4		425.526	-15.541	48.037	32.496	-13.504	46.000	QUASIPEAK
5		536.774	-14.039	40.421	26.382	-19.618	46.000	QUASIPEAK
6		617.955	-13.100	41.188	28.087	-17.913	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 1 802.11ac(80M)_5210MHz**

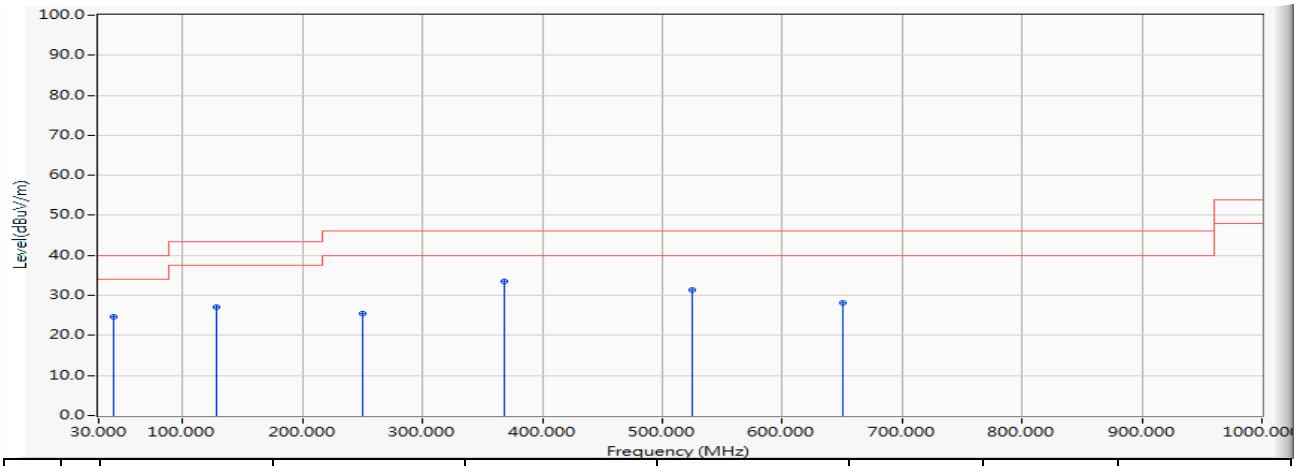


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	43.094	-20.388	53.999	33.612	-6.388	40.000	QUASIPEAK
2		150.656	-22.517	47.998	25.482	-18.018	43.500	QUASIPEAK
3		278.489	-19.699	47.725	28.026	-17.974	46.000	QUASIPEAK
4		365.392	-17.054	50.614	33.560	-12.440	46.000	QUASIPEAK
5		421.162	-15.610	43.710	28.100	-17.900	46.000	QUASIPEAK
6		554.233	-13.830	42.813	28.984	-17.016	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 CDD_ADP 1 802.11a_5785MHz**

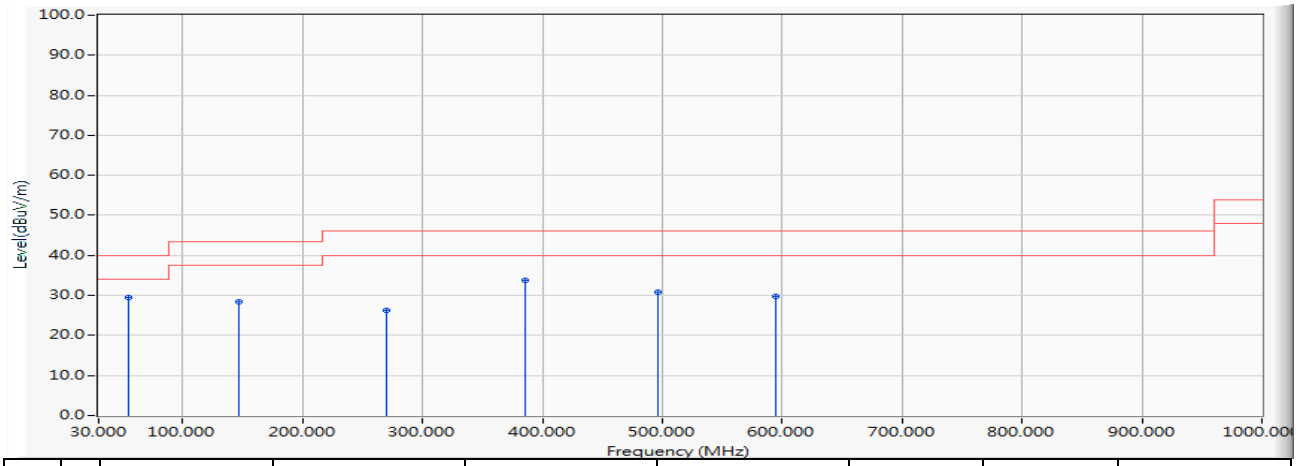


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		42.415	-19.552	44.084	24.533	-15.467	40.000	QUASIPEAK
2		127.960	-21.696	48.842	27.146	-16.354	43.500	QUASIPEAK
3		249.974	-20.378	45.886	25.507	-20.493	46.000	QUASIPEAK
4	*	368.787	-16.950	50.467	33.517	-12.483	46.000	QUASIPEAK
5		525.038	-14.197	45.543	31.346	-14.654	46.000	QUASIPEAK
6		649.962	-12.777	40.959	28.181	-17.819	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 CDD_ADP 1 802.11a_5785MHz**

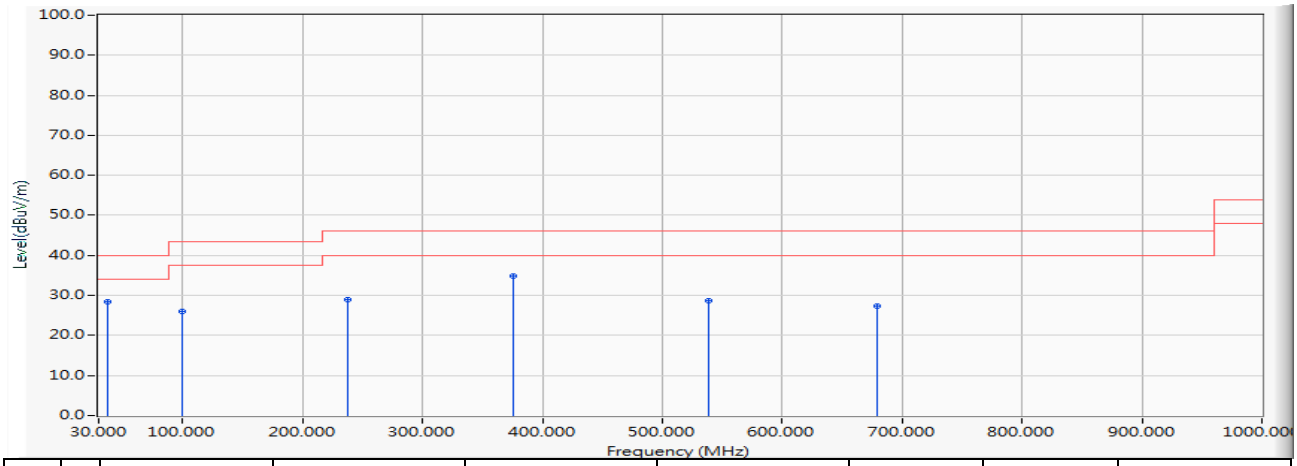


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	54.927	-26.989	56.446	29.457	-10.543	40.000	QUASIPEAK
2		147.455	-22.342	50.757	28.416	-15.084	43.500	QUASIPEAK
3		269.663	-19.910	46.166	26.256	-19.744	46.000	QUASIPEAK
4		385.081	-16.438	50.256	33.818	-12.182	46.000	QUASIPEAK
5		496.717	-14.498	45.308	30.810	-15.190	46.000	QUASIPEAK
6		593.999	-13.279	43.112	29.833	-16.167	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)_5785MHz**

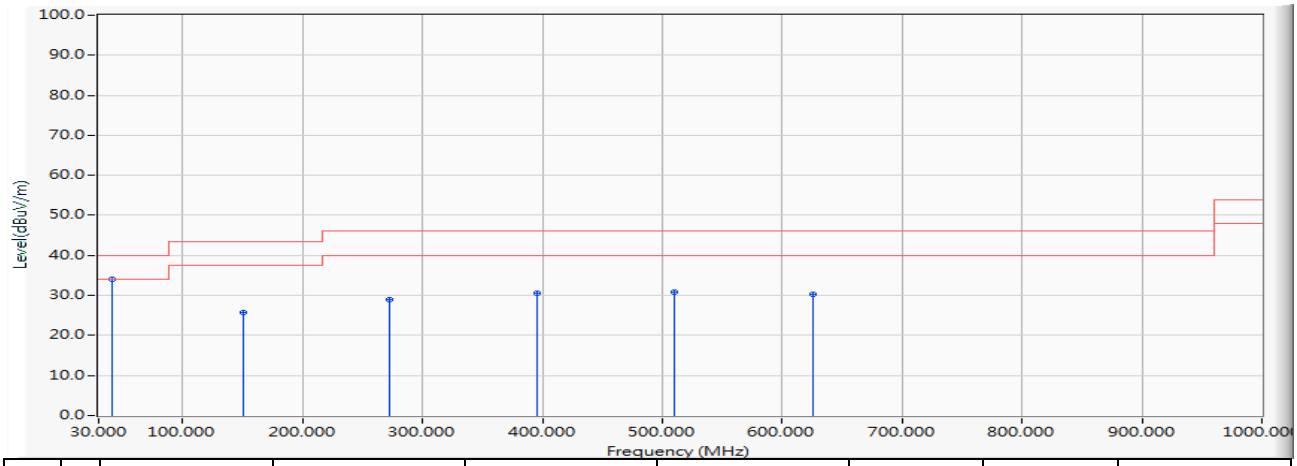


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		36.983	-16.749	45.232	28.483	-11.517	40.000	QUASIPEAK
2		99.057	-23.766	49.812	26.046	-17.454	43.500	QUASIPEAK
3		237.462	-21.145	49.995	28.850	-17.150	46.000	QUASIPEAK
4	*	375.479	-16.743	51.694	34.952	-11.048	46.000	QUASIPEAK
5		538.520	-14.013	42.641	28.627	-17.373	46.000	QUASIPEAK
6		678.962	-12.468	39.680	27.212	-18.788	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)_5785MHz**

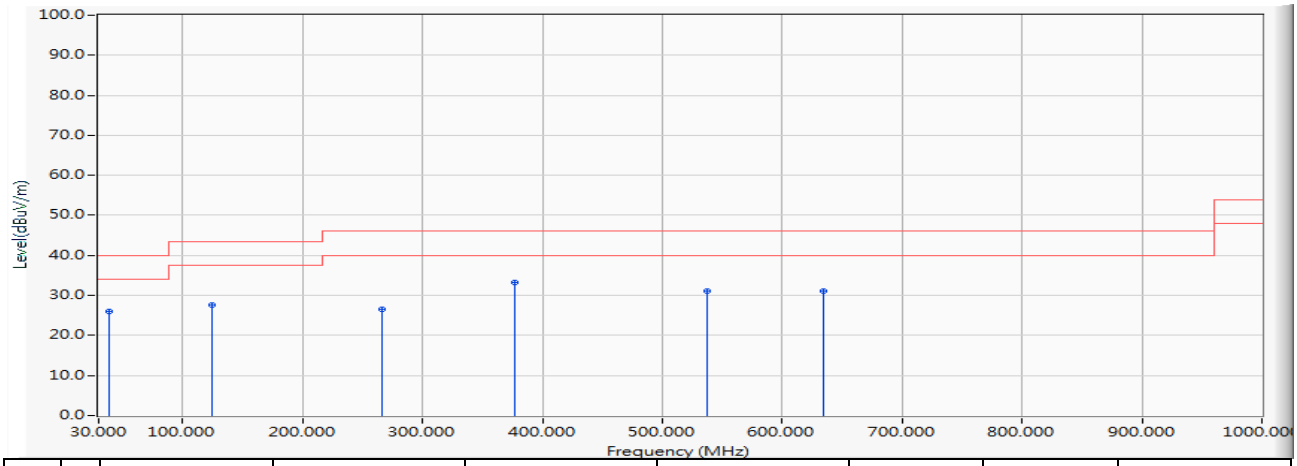


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	41.736	-18.716	52.737	34.022	-5.978	40.000	QUASIPEAK
2		150.753	-22.521	48.213	25.691	-17.809	43.500	QUASIPEAK
3		272.864	-19.833	48.707	28.874	-17.126	46.000	QUASIPEAK
4		396.138	-16.072	46.515	30.443	-15.557	46.000	QUASIPEAK
5		509.423	-14.364	45.183	30.819	-15.181	46.000	QUASIPEAK
6		625.229	-13.022	43.448	30.427	-15.573	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)_5755MHz**

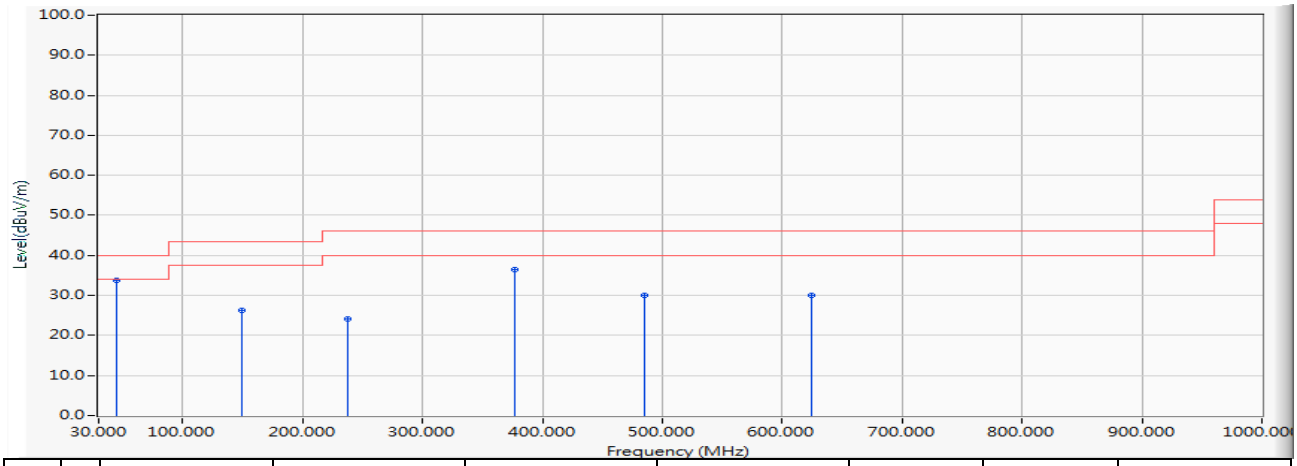


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		39.020	-16.636	42.553	25.917	-14.083	40.000	QUASIPEAK
2		124.857	-21.635	49.166	27.532	-15.968	43.500	QUASIPEAK
3		266.462	-19.991	46.598	26.608	-19.392	46.000	QUASIPEAK
4	*	376.740	-16.703	50.000	33.297	-12.703	46.000	QUASIPEAK
5		536.871	-14.038	45.106	31.068	-14.932	46.000	QUASIPEAK
6		633.765	-12.901	43.989	31.088	-14.912	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)_5755MHz**

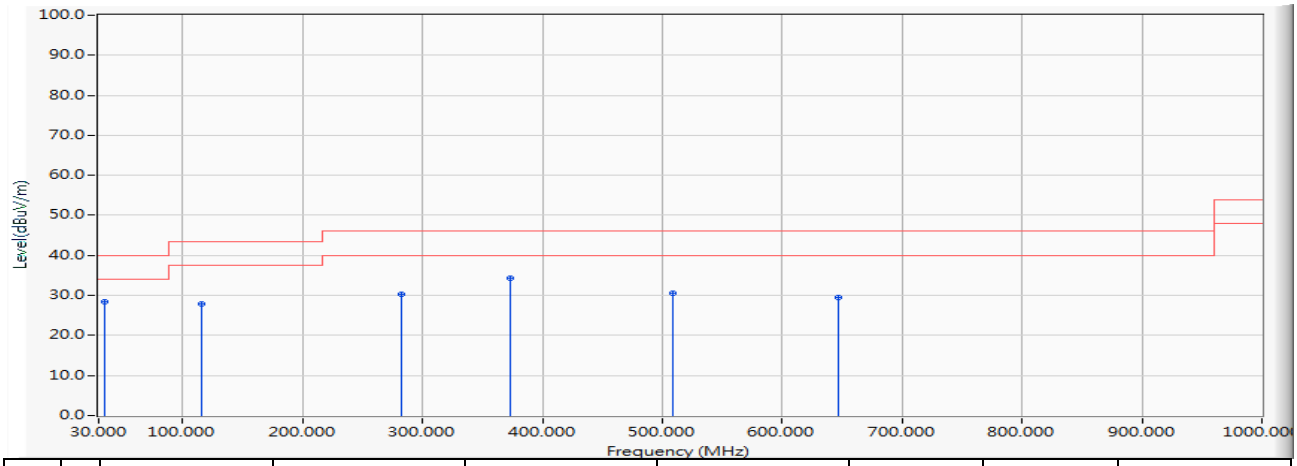


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	45.227	-22.780	56.590	33.810	-6.190	40.000	QUASIPEAK
2		149.298	-22.442	48.817	26.375	-17.125	43.500	QUASIPEAK
3		237.462	-21.145	45.164	24.019	-21.981	46.000	QUASIPEAK
4		376.740	-16.703	53.159	36.456	-9.544	46.000	QUASIPEAK
5		484.594	-14.677	44.673	29.997	-16.003	46.000	QUASIPEAK
6		624.939	-13.026	42.978	29.952	-16.048	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 1 802.11ac(80M)_5775MHz**

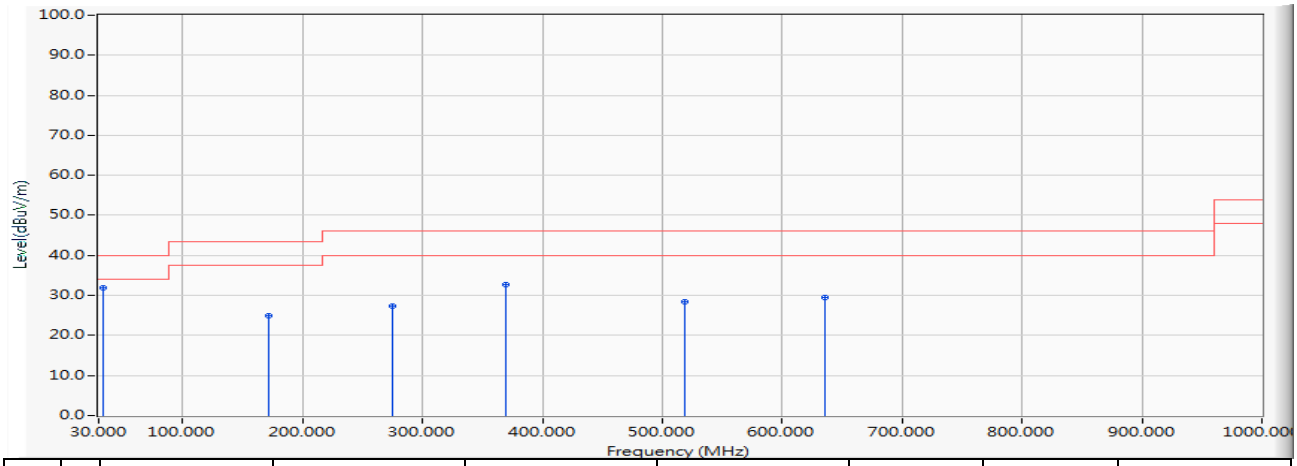


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	35.140	-16.839	45.347	28.508	-11.492	40.000	QUASIPEAK
2		115.545	-21.986	49.745	27.759	-15.741	43.500	QUASIPEAK
3		281.981	-19.616	49.912	30.295	-15.705	46.000	QUASIPEAK
4		372.667	-16.830	51.260	34.430	-11.570	46.000	QUASIPEAK
5		508.647	-14.371	44.847	30.476	-15.524	46.000	QUASIPEAK
6		646.373	-12.801	42.323	29.523	-16.477	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 1 802.11ac(80M)_5775MHz**

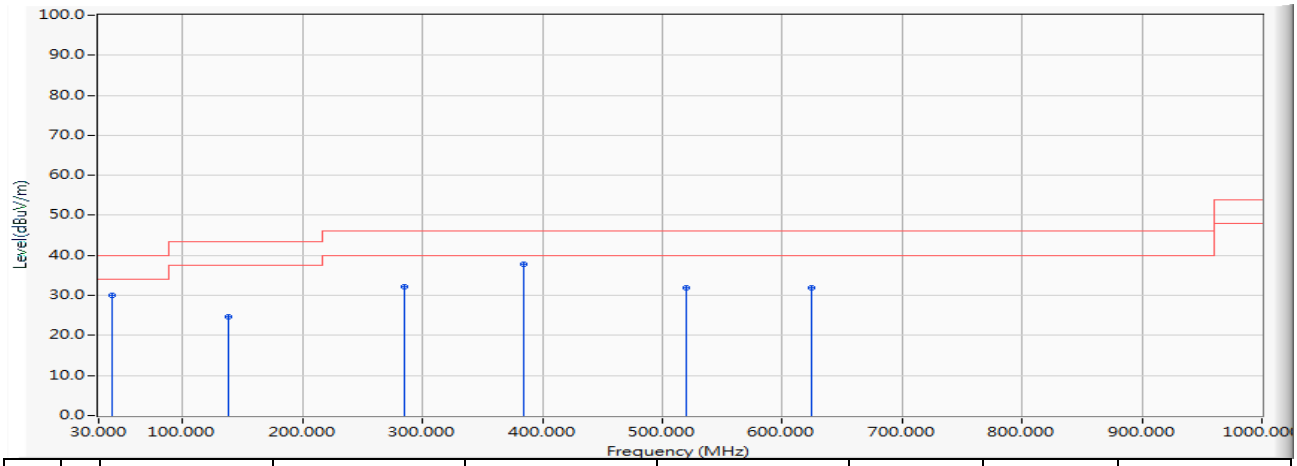


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	33.395	-16.756	48.590	31.834	-8.166	40.000	QUASIPEAK
2		171.994	-23.762	48.688	24.926	-18.574	43.500	QUASIPEAK
3		274.610	-19.791	47.201	27.410	-18.590	46.000	QUASIPEAK
4		369.854	-16.917	49.587	32.670	-13.330	46.000	QUASIPEAK
5		518.928	-14.270	42.644	28.374	-17.626	46.000	QUASIPEAK
6		635.607	-12.883	42.300	29.417	-16.583	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 2 802.11ac(80M)_5210MHz**

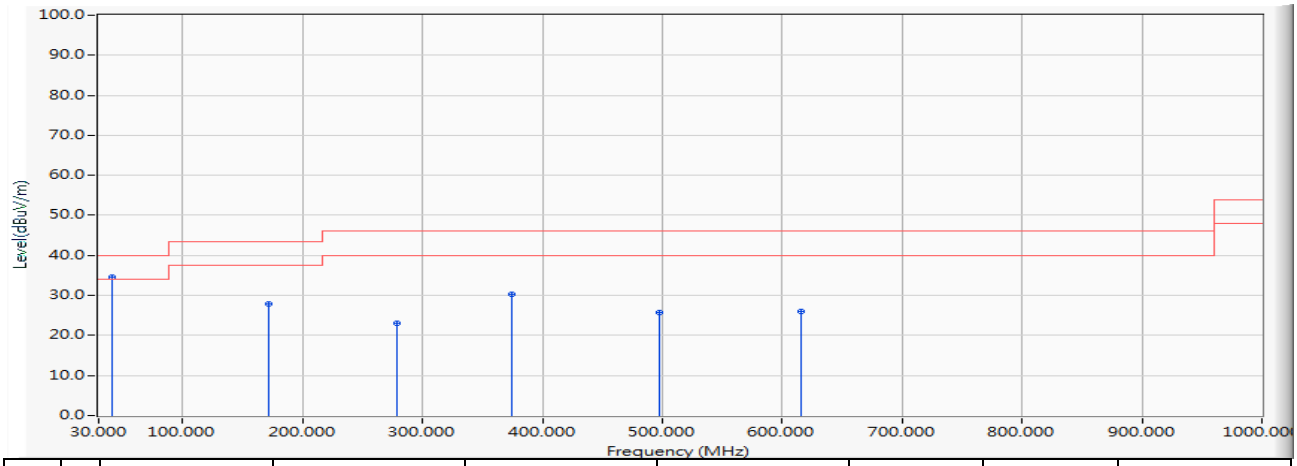


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		40.572	-17.322	47.270	29.948	-10.052	40.000	QUASIPEAK
2		138.435	-21.904	46.641	24.737	-18.763	43.500	QUASIPEAK
3		285.375	-19.536	51.815	32.279	-13.721	46.000	QUASIPEAK
4	*	384.015	-16.473	54.268	37.796	-8.204	46.000	QUASIPEAK
5		520.383	-14.253	46.117	31.864	-14.136	46.000	QUASIPEAK
6		624.939	-13.026	44.844	31.818	-14.182	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 2 802.11ac(80M)_5210MHz**

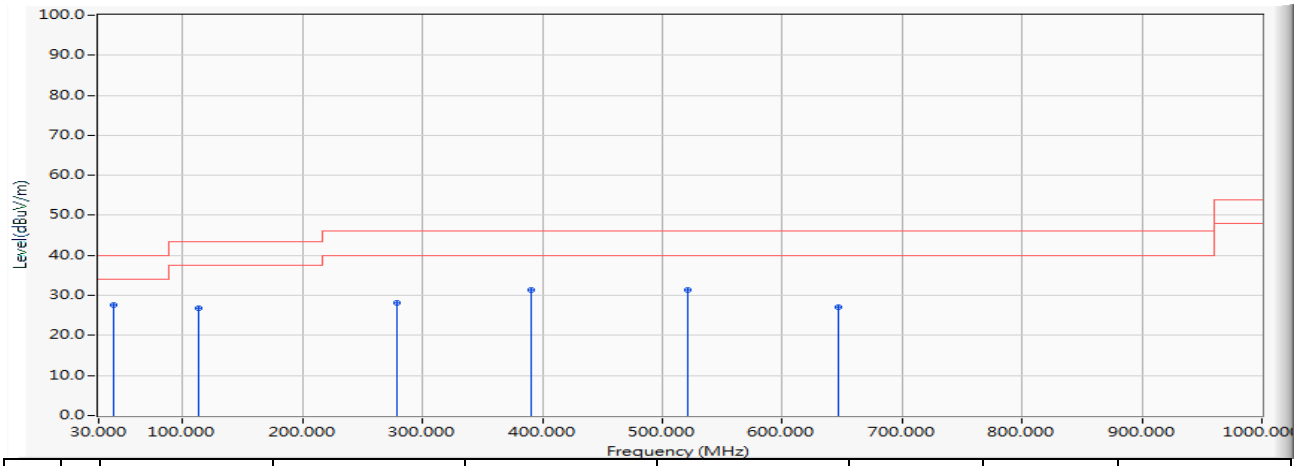


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	40.766	-17.521	52.139	34.618	-5.382	40.000	QUASIPEAK
2		171.897	-23.757	51.562	27.806	-15.694	43.500	QUASIPEAK
3		278.198	-19.706	42.883	23.177	-22.823	46.000	QUASIPEAK
4		375.091	-16.754	47.047	30.293	-15.707	46.000	QUASIPEAK
5		498.075	-14.480	40.349	25.869	-20.131	46.000	QUASIPEAK
6		616.209	-13.092	39.166	26.074	-19.926	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 2 802.11ac(80M)_5775MHz**

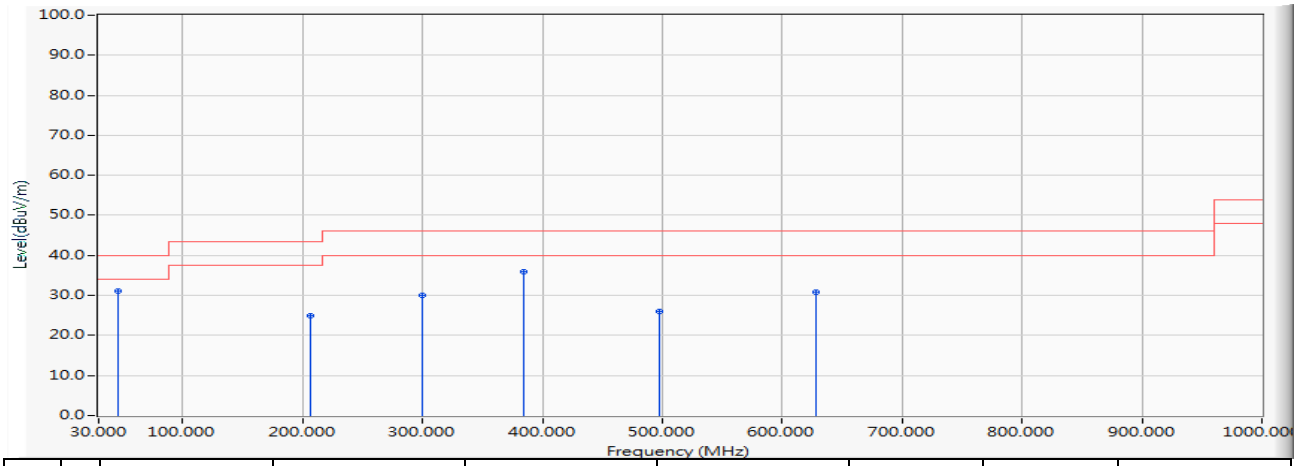


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	42.512	-19.671	47.275	27.604	-12.396	40.000	QUASIPEAK
2		112.927	-22.247	48.946	26.699	-16.801	43.500	QUASIPEAK
3		278.683	-19.694	47.858	28.163	-17.837	46.000	QUASIPEAK
4		390.222	-16.272	47.742	31.470	-14.530	46.000	QUASIPEAK
5		521.062	-14.244	45.576	31.332	-14.668	46.000	QUASIPEAK
6		647.149	-12.796	39.910	27.115	-18.885	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 2 802.11ac(80M)_5775MHz**



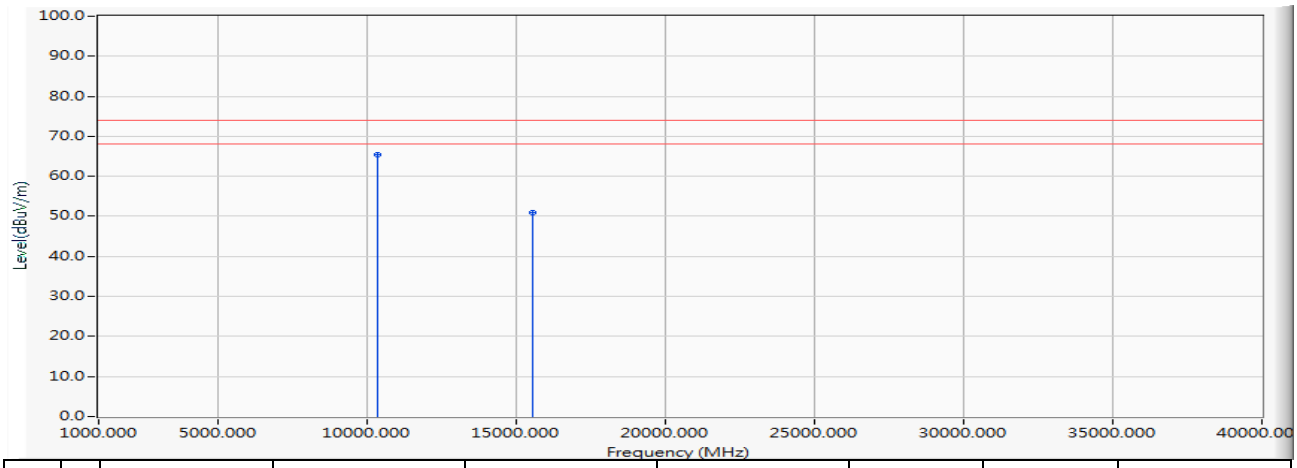
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	46.585	-23.670	54.650	30.980	-9.020	40.000	QUASIPEAK
2		206.134	-23.084	48.081	24.997	-18.503	43.500	QUASIPEAK
3		299.924	-19.180	49.303	30.123	-15.877	46.000	QUASIPEAK
4		384.985	-16.441	52.497	36.056	-9.944	46.000	QUASIPEAK
5		497.493	-14.488	40.388	25.900	-20.100	46.000	QUASIPEAK
6		628.624	-12.963	43.846	30.883	-15.117	46.000	QUASIPEAK

Note:

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

Harmonic & Spurious:

Site : CB2-H	**Time : 2017/09/14**
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 CDD_ADP 1 802.11a_5180MHz**

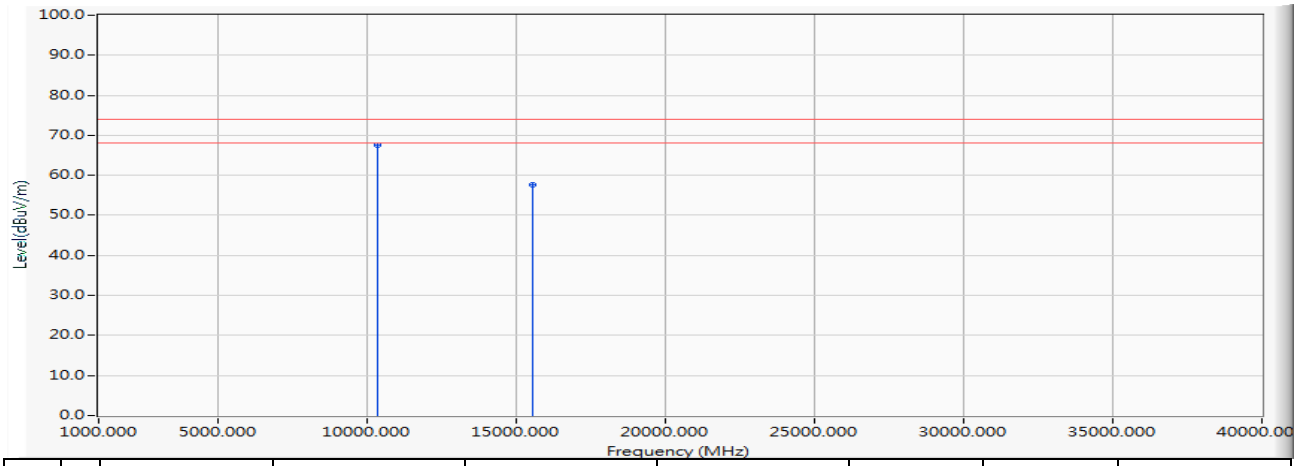


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10360.125	14.337	50.990	65.328	-8.672	74.000	PEAK
2		15541.296	14.752	36.190	50.941	-23.059	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/14**
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 CDD_ADP 1 802.11a_5180MHz**

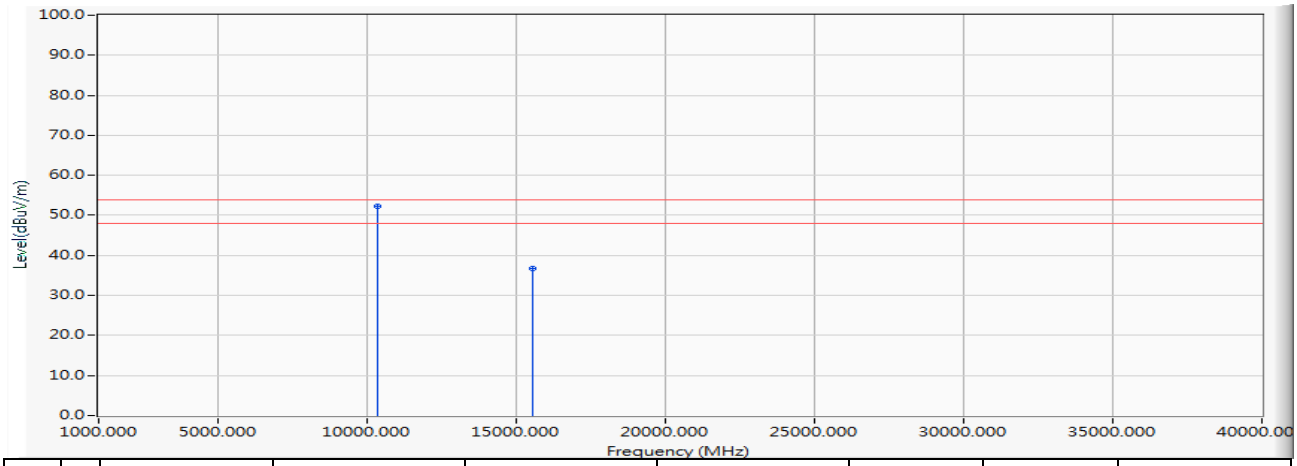


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10360.519	14.340	53.210	67.550	-6.450	74.000	PEAK
2		15542.215	14.741	42.780	57.521	-16.479	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/14**
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 CDD_ADP 1 802.11a_5180MHz**

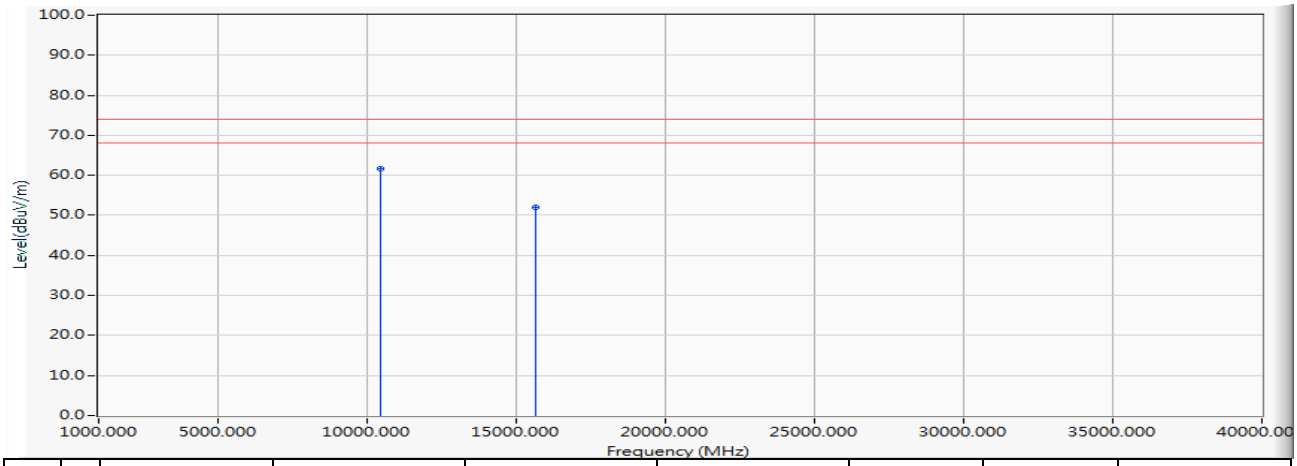


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10360.519	14.340	38.033	52.373	-1.627	54.000	AVERAGE
2		15542.215	14.741	21.936	36.677	-17.323	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/14**
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 CDD_ADP 1 802.11a_5220MHz**

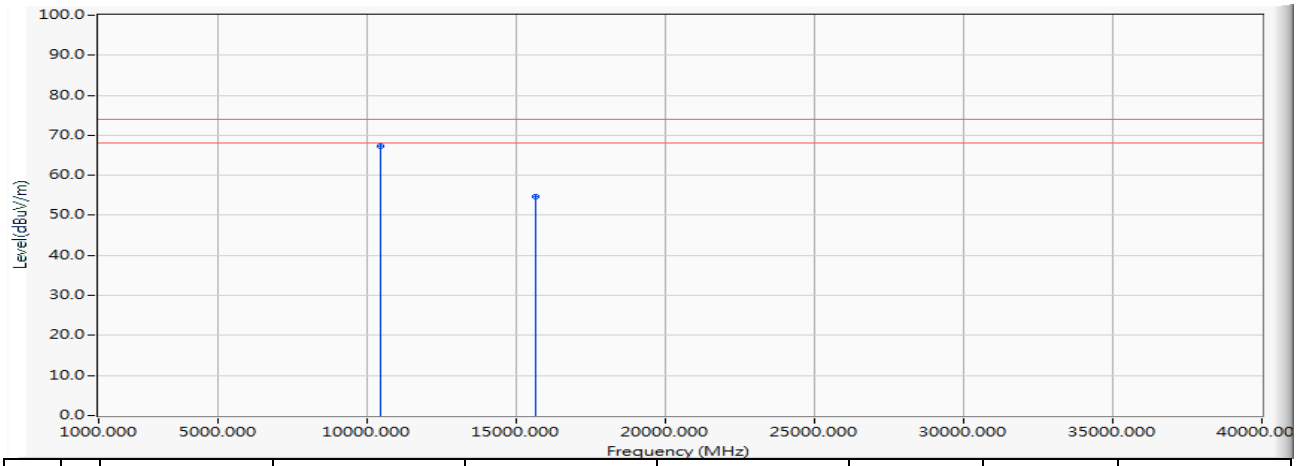


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10440.631	14.620	46.920	61.540	-12.460	74.000	PEAK
2		15660.044	14.309	37.670	51.979	-22.021	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/14**
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 CDD_ADP 1 802.11a_5220MHz**

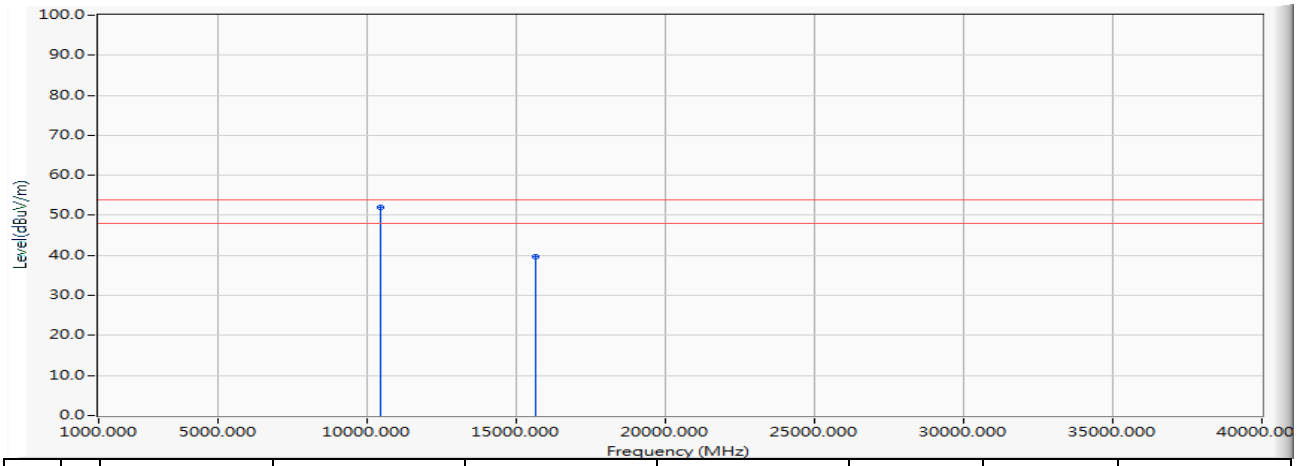


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10440.468	14.620	52.730	67.350	-6.650	74.000	PEAK
2		15660.574	14.300	40.290	54.590	-19.410	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/14**
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 CDD_ADP 1 802.11a_5220MHz**

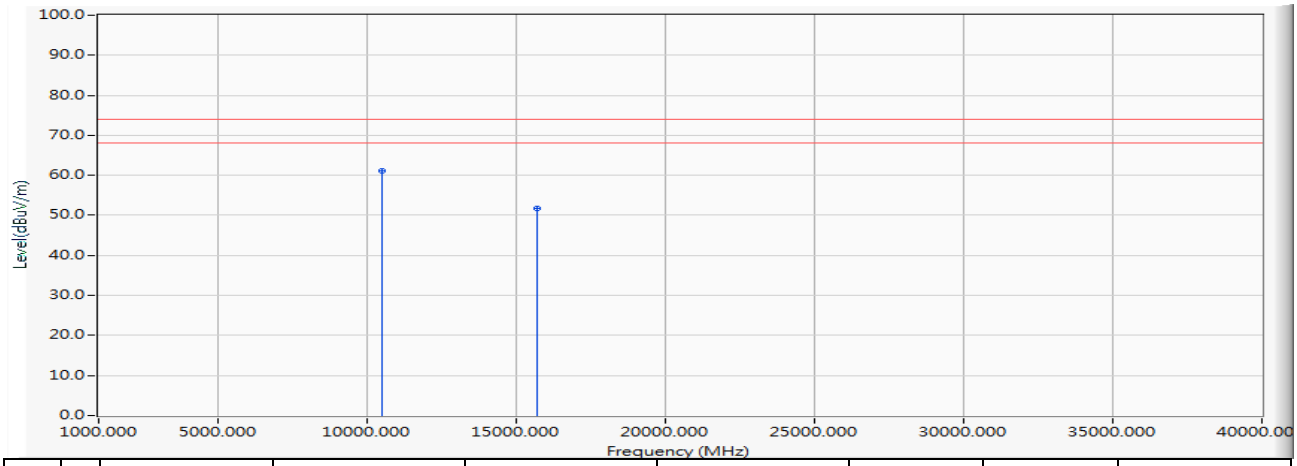


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10440.468	14.620	37.490	52.110	-1.890	54.000	AVERAGE
2		15660.574	14.291	25.290	39.581	-14.419	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/14**
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 CDD_ADP 1 802.11a_5240MHz**

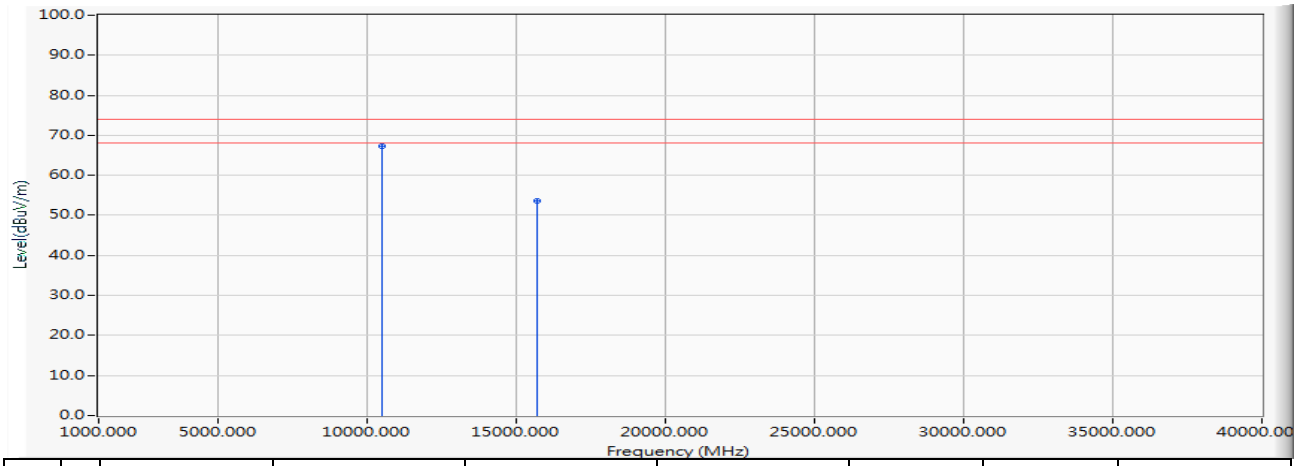


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10481.518	14.560	46.660	61.220	-12.780	74.000	PEAK
2		15720.257	13.822	37.860	51.681	-22.319	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/14**
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 CDD_ADP 1 802.11a_5240MHz**

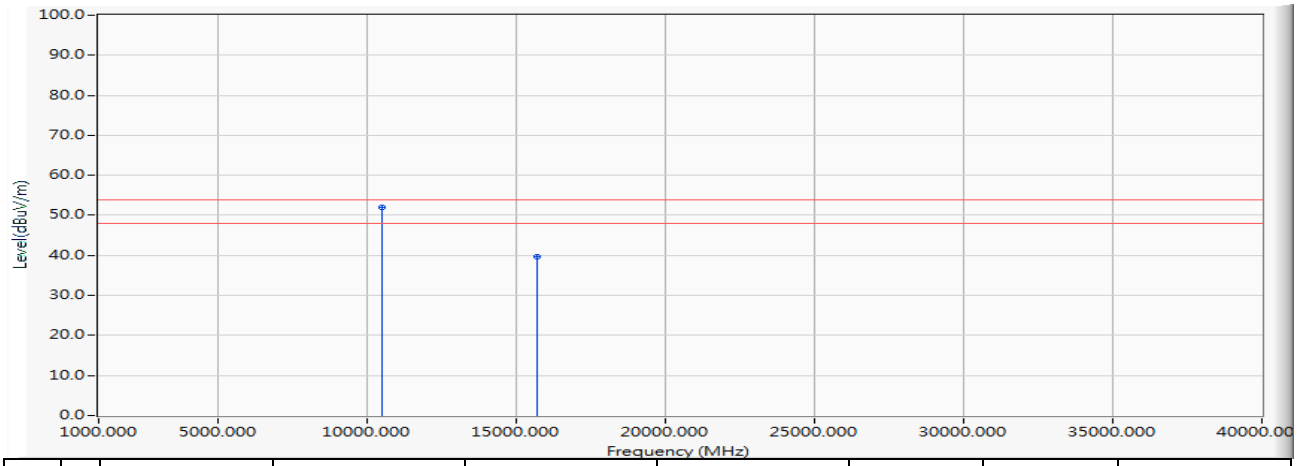


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10480.436	14.563	52.770	67.332	-6.668	74.000	PEAK
2		15720.899	13.816	39.870	53.686	-20.314	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/14**
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 CDD_ADP 1 802.11a_5240MHz**

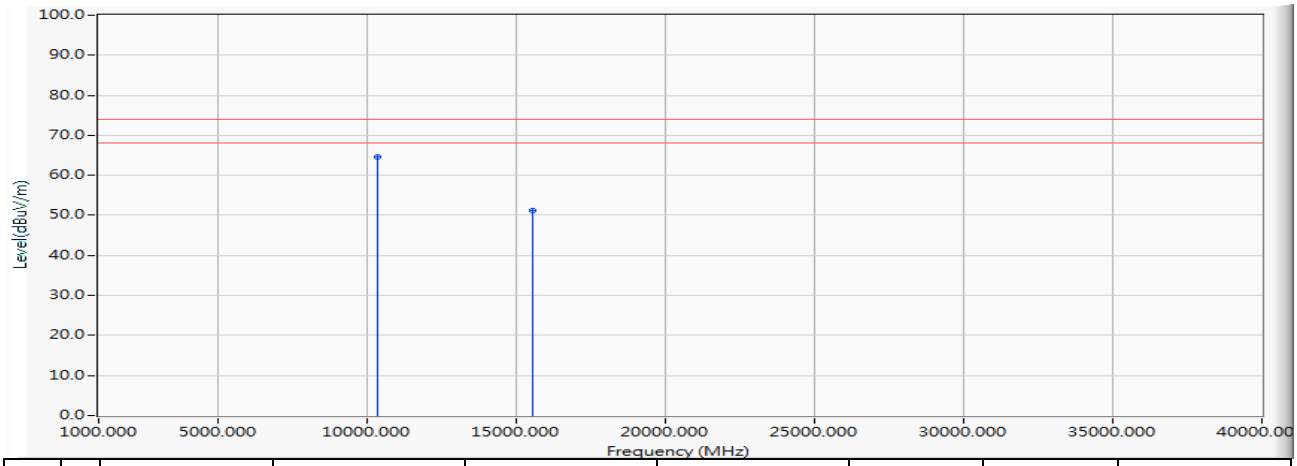


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10480.436	14.563	37.350	51.912	-2.088	54.000	AVERAGE
2		15720.899	13.817	25.940	39.757	-14.243	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/14**
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 CDD_ADP 1 802.11n(20M)_5180MHz**

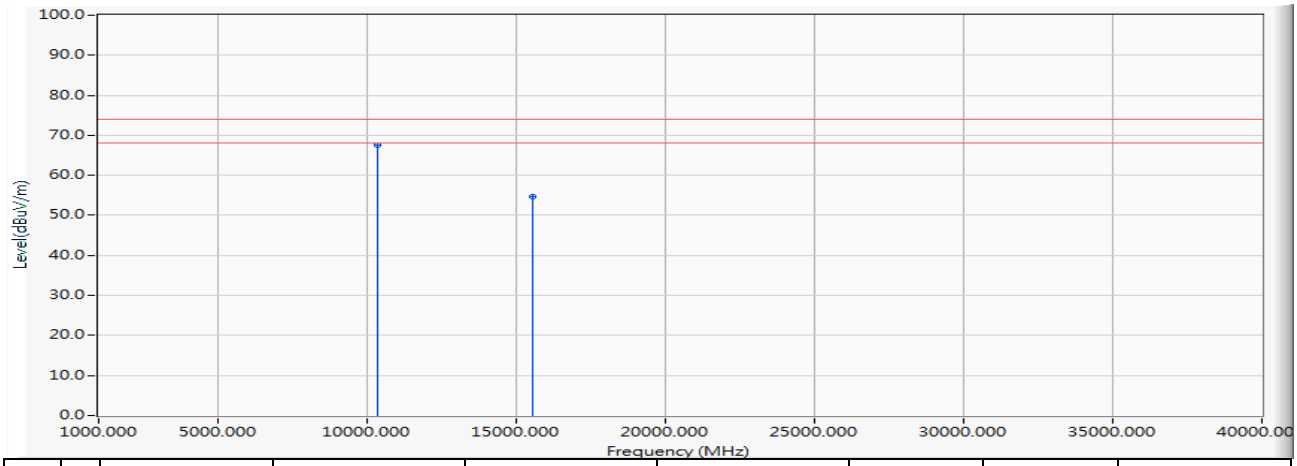


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10358.868	14.331	50.370	64.701	-9.299	74.000	PEAK
2		15541.671	14.748	36.580	51.327	-22.673	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/14**
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 1 802.11n(20M)_5180MHz**

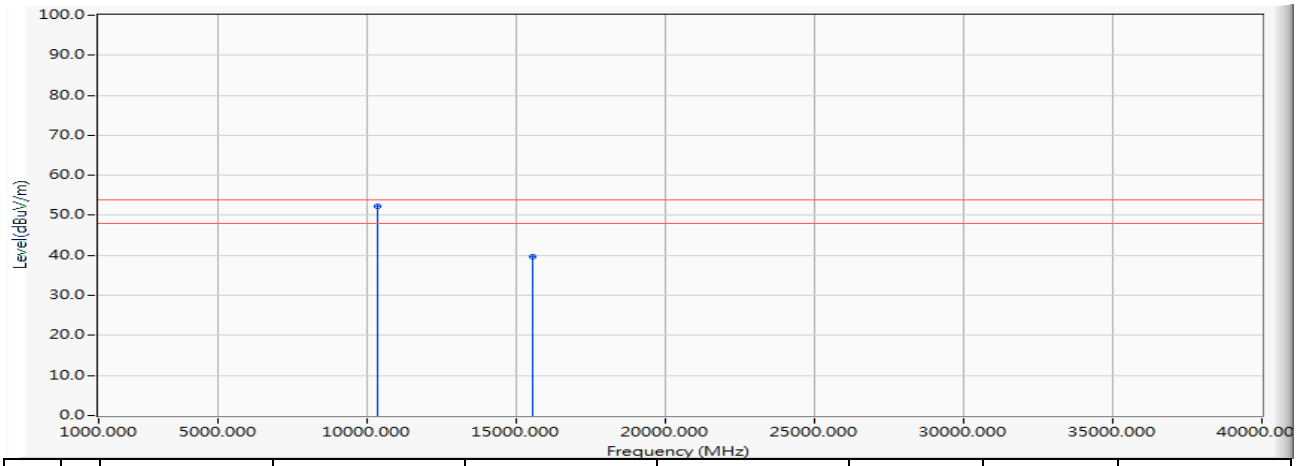


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10363.110	14.355	53.180	67.535	-6.465	74.000	PEAK
2		15540.314	14.763	39.850	54.613	-19.387	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/14**
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 1 802.11n(20M)_5180MHz**

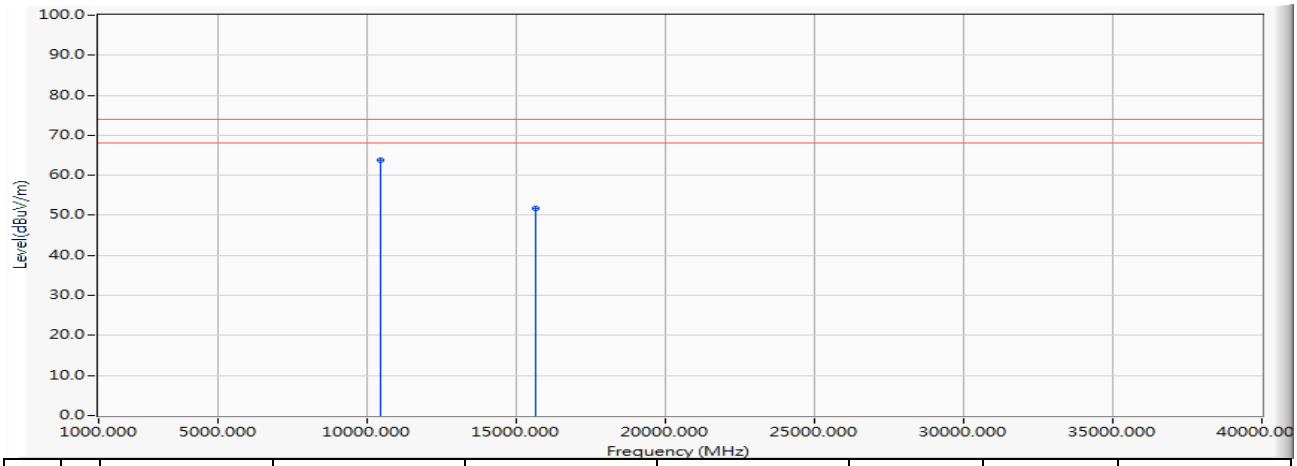


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10363.110	14.351	37.970	52.320	-1.680	54.000	AVERAGE
2		15540.314	14.791	24.800	39.591	-14.409	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/14**
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 1 802.11n(20M)_5220MHz**

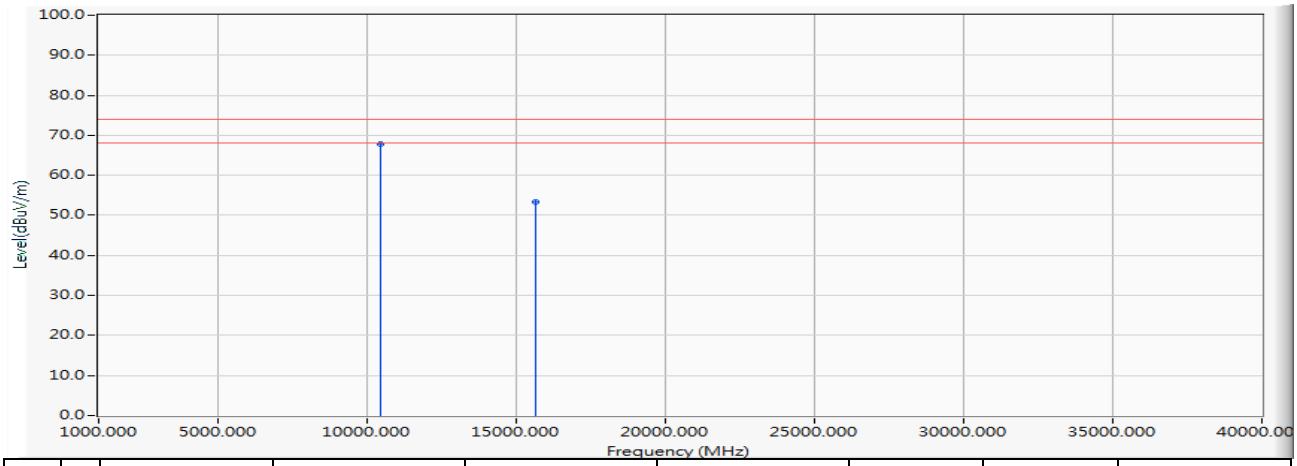


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10437.880	14.615	49.230	63.844	-10.156	74.000	PEAK
2		15660.016	14.309	37.390	51.700	-22.300	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/14 -**
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 1 802.11n(20M)_5220MHz**

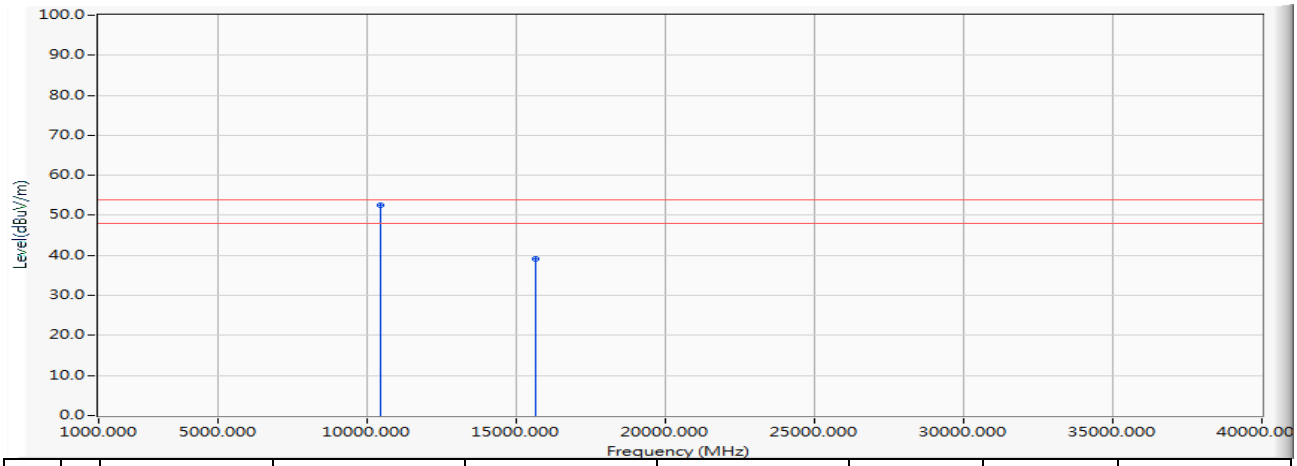


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10440.871	14.620	53.220	67.840	-6.160	74.000	PEAK
2		15660.229	14.306	39.040	53.346	-20.654	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/14**
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 1 802.11n(20M)_5220MHz**

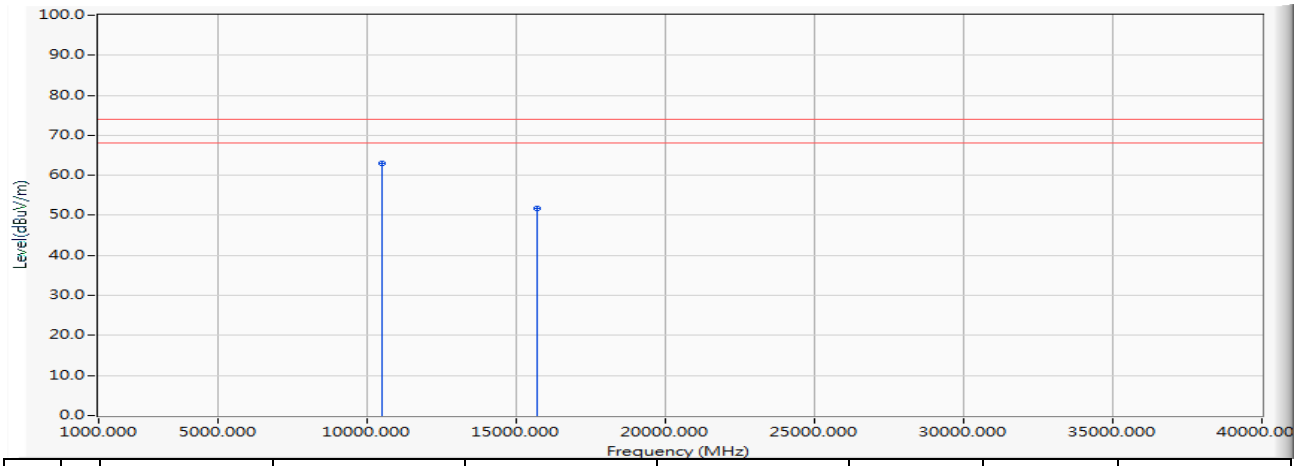


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10440.871	14.622	37.840	52.461	-1.539	54.000	AVERAGE
2		15660.229	14.303	24.930	39.234	-14.766	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/14**
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 1 802.11n(20M)_5240MHz**

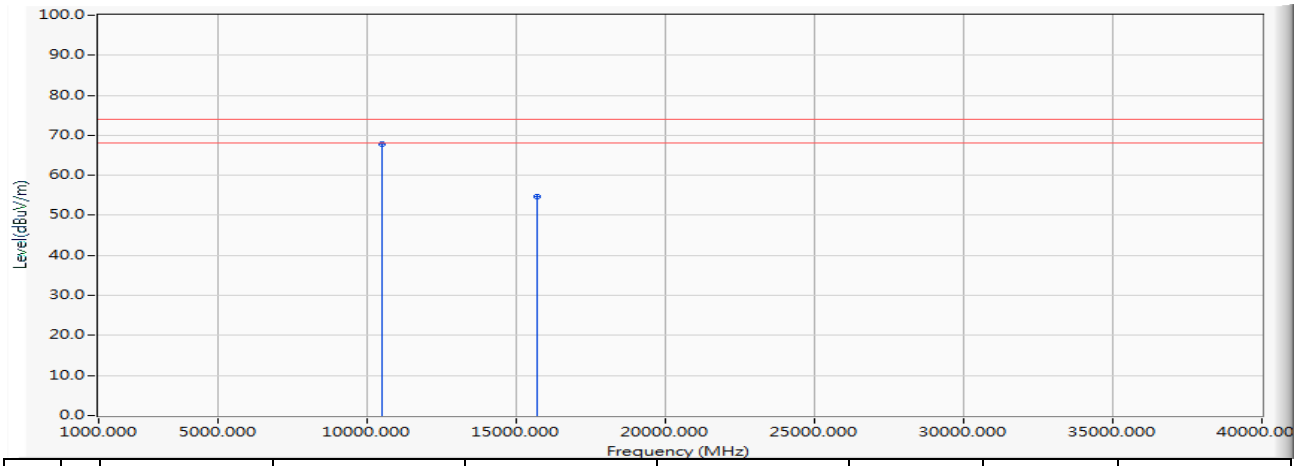


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10479.854	14.563	48.400	62.963	-11.037	74.000	PEAK
2		15720.042	13.823	37.990	51.813	-22.187	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/14**
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 1 802.11n(20M)_5240MHz**

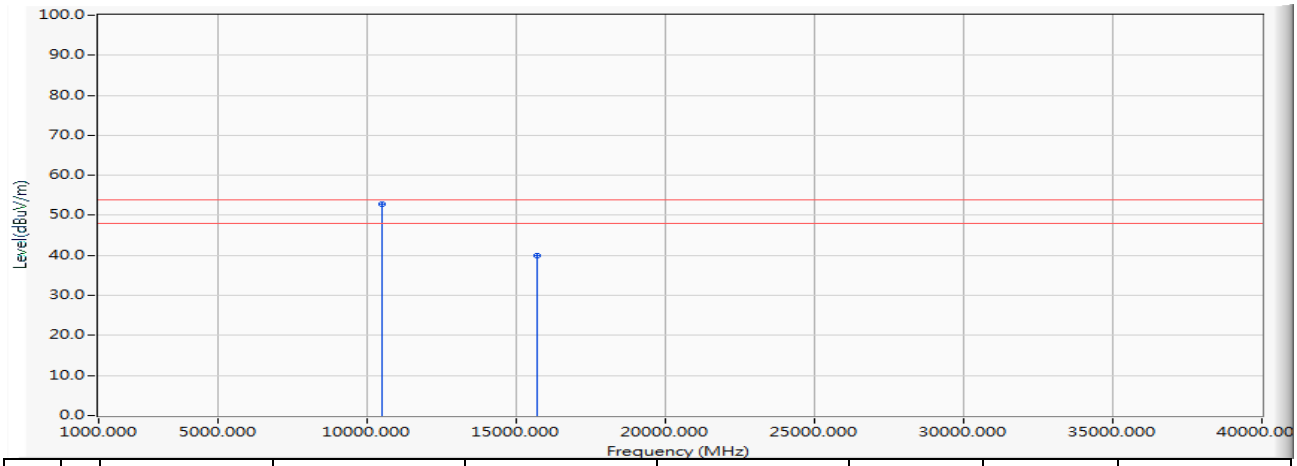


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10484.282	14.556	53.340	67.895	-6.105	74.000	PEAK
2		15721.304	13.812	41.000	54.813	-19.187	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/14**
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 1 802.11n(20M)_5240MHz**

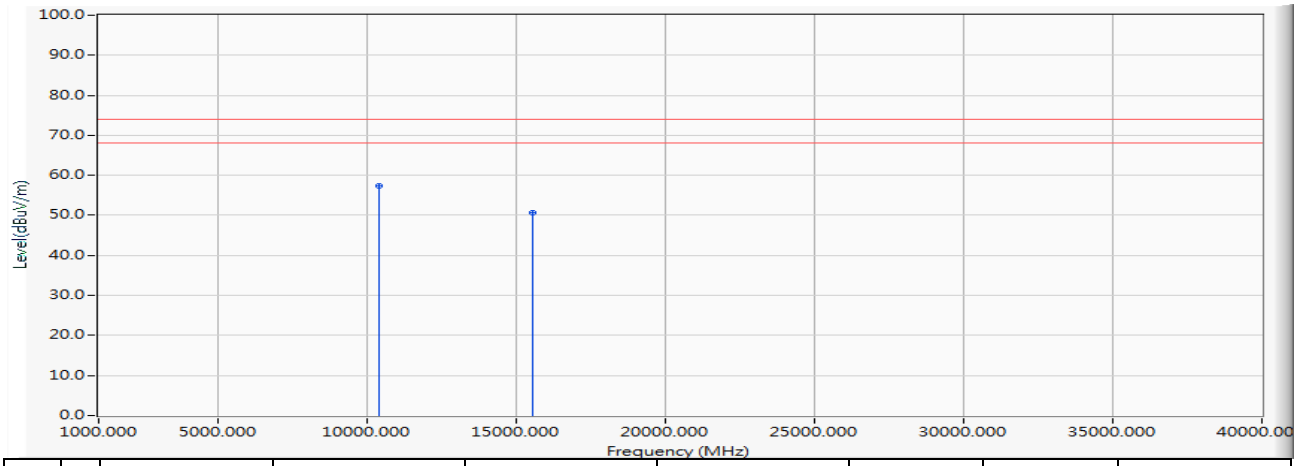


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10484.282	14.563	38.250	52.812	-1.188	54.000	AVERAGE
2		15721.304	13.818	26.250	40.068	-13.932	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/14**
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 1 802.11n(40M)_5190MHz**

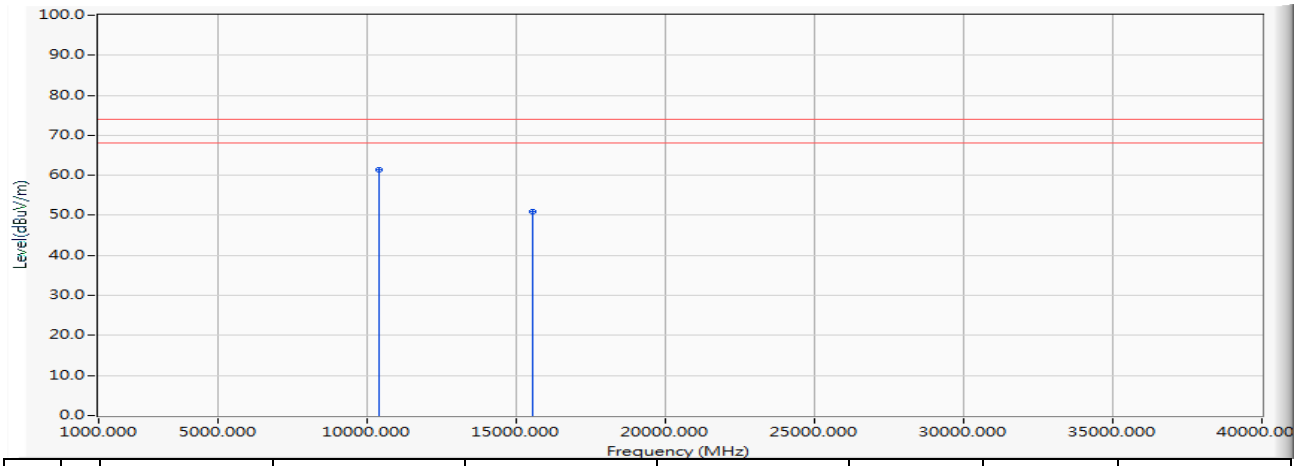


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10380.763	14.351	43.130	57.481	-16.519	74.000	PEAK
2		15572.104	14.174	36.430	50.604	-23.396	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/14**
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 1 802.11n(40M)_5190MHz**

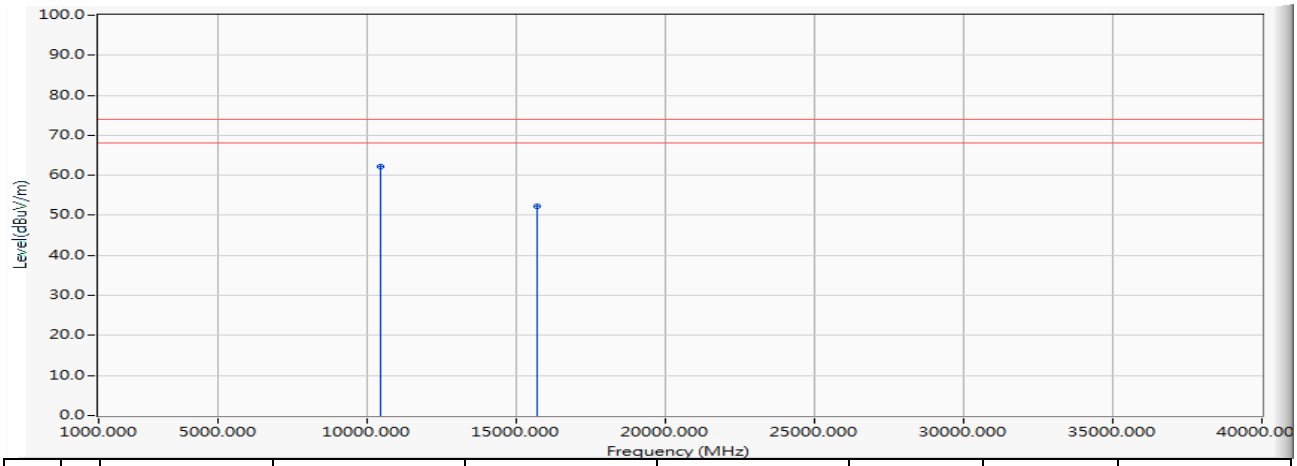


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10380.155	14.352	47.160	61.513	-12.487	74.000	PEAK
2		15571.513	14.181	36.820	51.001	-22.999	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/14**
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 1 802.11n(40M)_5230MHz**

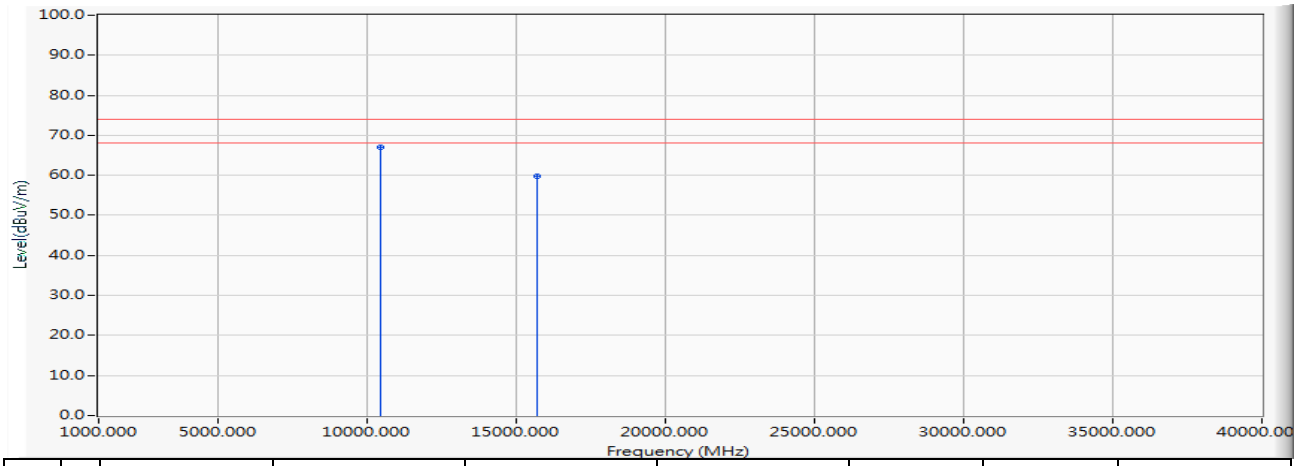


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10460.152	14.614	47.590	62.205	-11.795	74.000	PEAK
2		15690.327	13.965	38.400	52.364	-21.636	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/14**
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 1 802.11n(40M)_5230MHz**

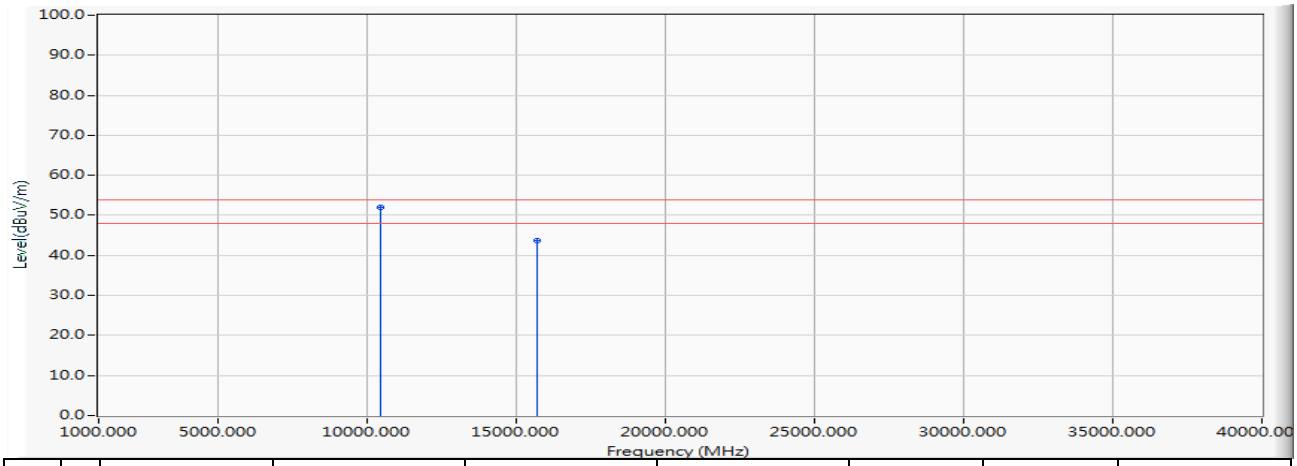


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10461.655	14.609	52.410	67.019	-6.981	74.000	PEAK
2		15689.637	13.966	45.750	59.715	-14.285	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/14**
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 1 802.11n(40M)_5230MHz**

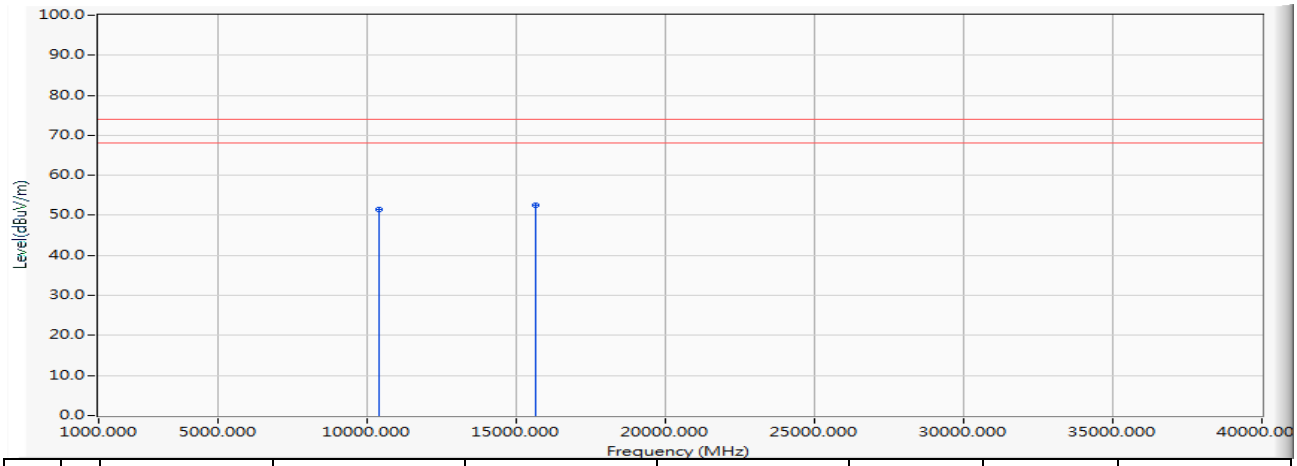


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10461.655	14.610	37.460	52.070	-1.930	54.000	AVERAGE
2		15689.637	13.965	29.740	43.705	-10.295	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/14**
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 1 802.11ac(80M)_5210MHz**

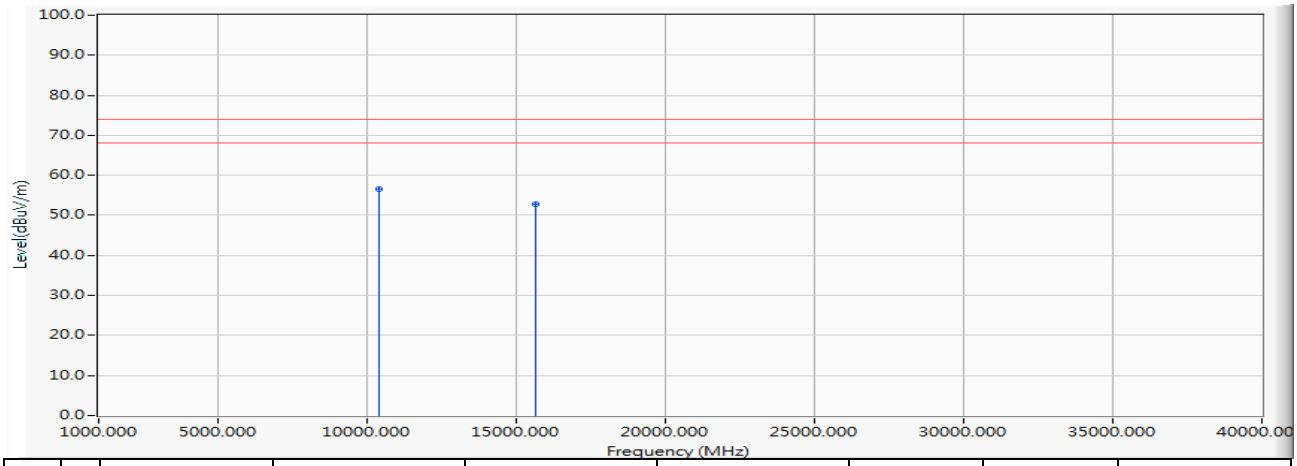


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		10419.000	14.460	37.080	51.540	-22.460	74.000	PEAK
2	*	15630.607	14.502	38.040	52.542	-21.458	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/14**
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 1 802.11ac(80M)_5210MHz**

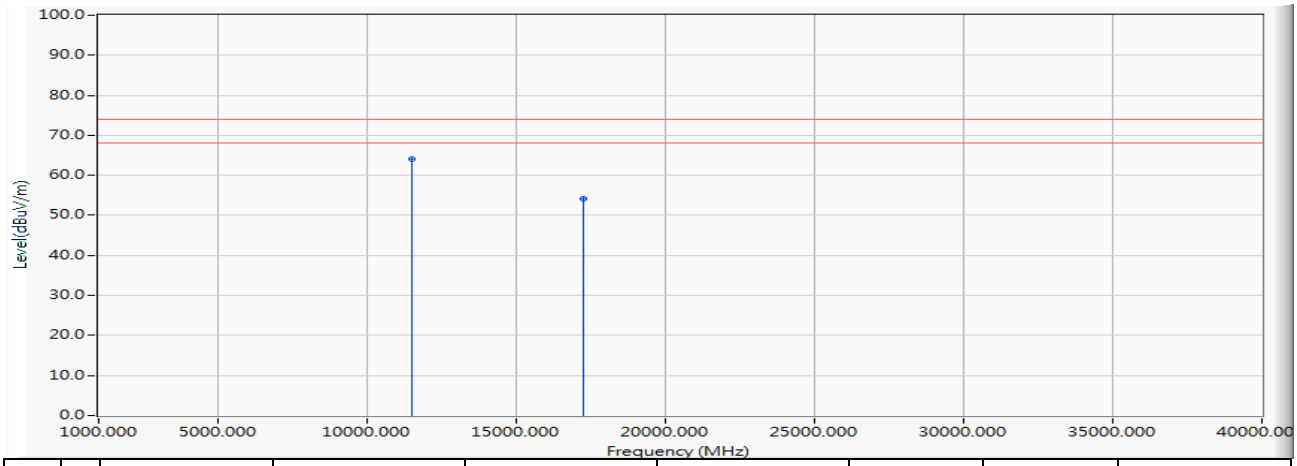


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10421.336	14.482	42.030	56.512	-17.488	74.000	PEAK
2		15631.544	14.494	38.190	52.684	-21.316	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/14**
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 CDD_ADP 1 802.11a_5745MHz**

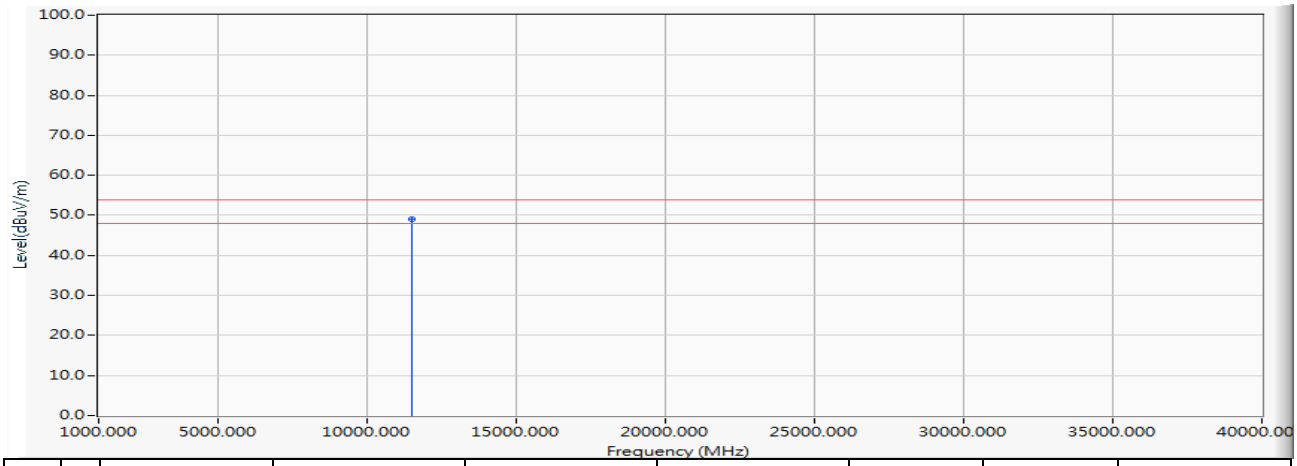


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11490.651	16.889	47.310	64.199	-9.801	74.000	PEAK
2		17235.342	16.067	37.970	54.036	-19.964	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/14**
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 CDD_ADP 1 802.11a_5745MHz**

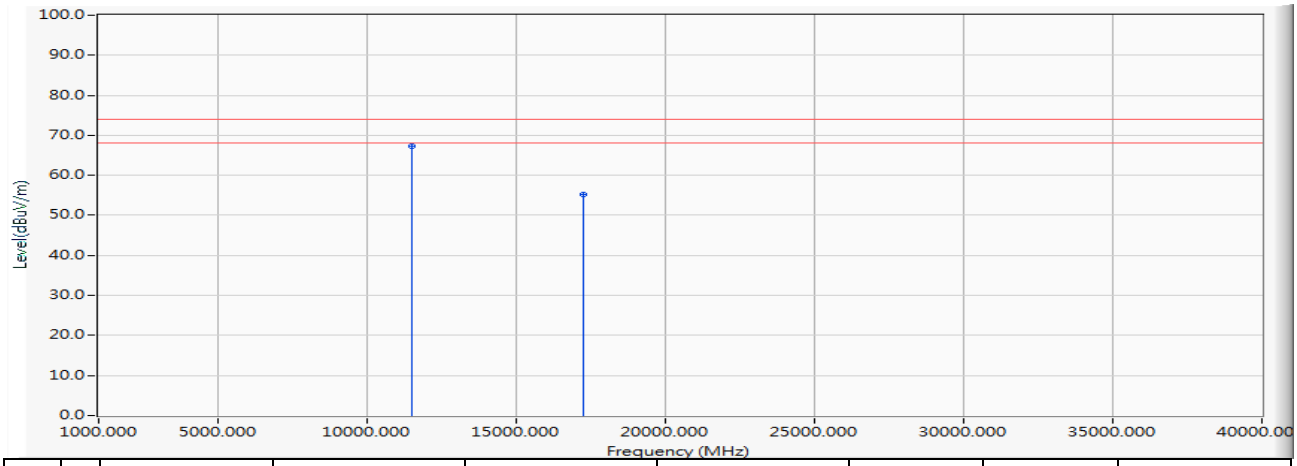


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11490.651	16.889	32.150	49.039	-4.961	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/14**
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 CDD_ADP 1 802.11a_5745MHz**

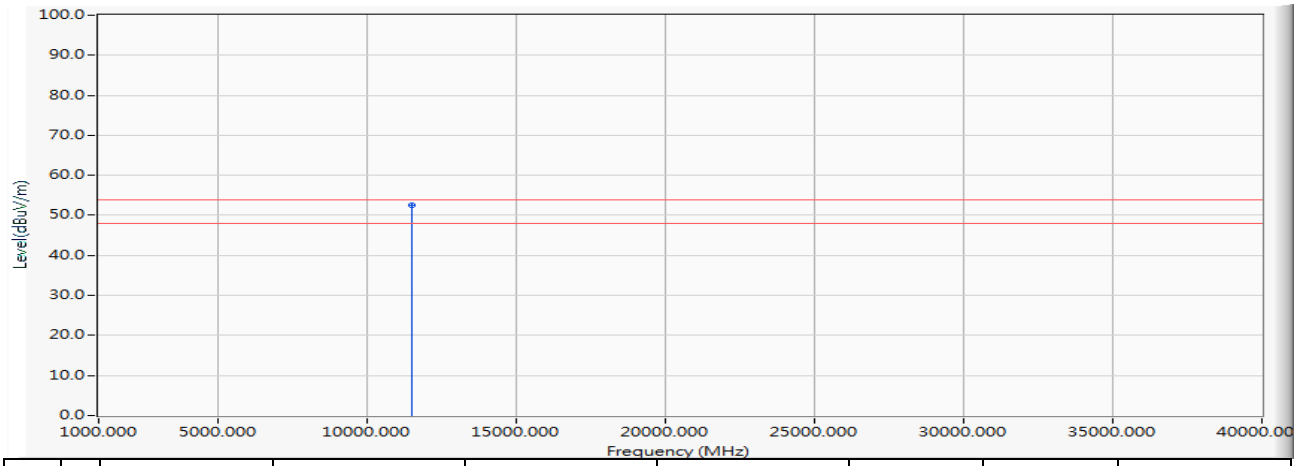


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11490.567	16.889	50.500	67.389	-6.611	74.000	PEAK
2		17235.011	16.053	39.180	55.233	-18.767	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/14**
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 CDD_ADP 1 802.11a_5745MHz**

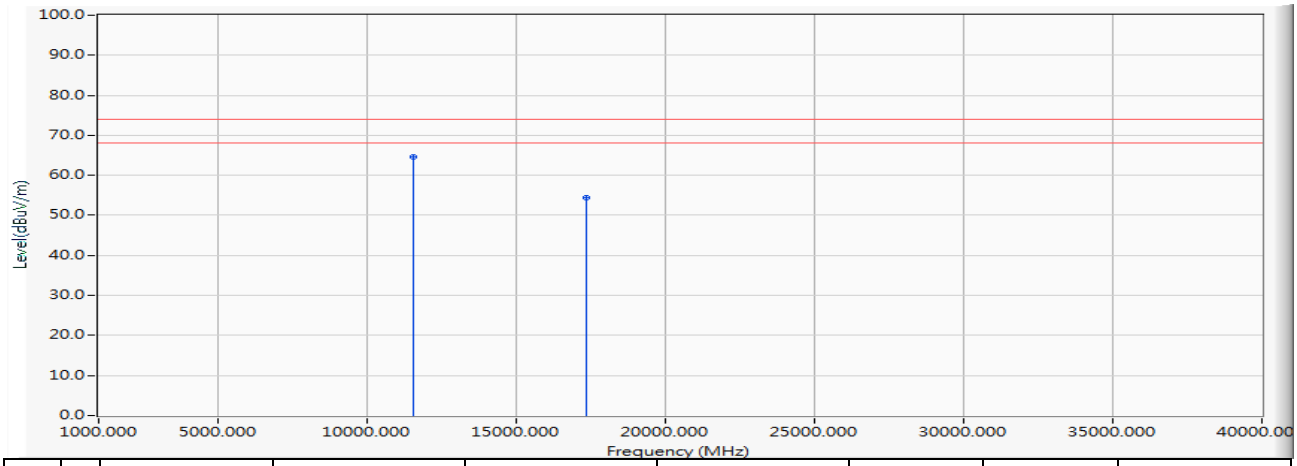


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11490.567	16.886	35.780	52.666	-1.334	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/14**
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 : 802.11a_5785MHz**

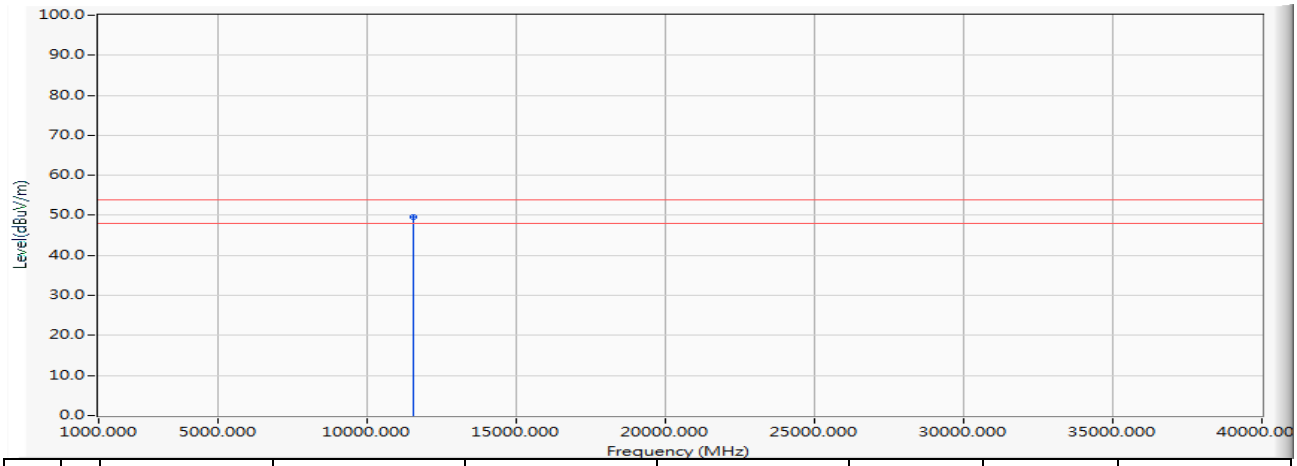


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11570.519	16.919	47.780	64.699	-9.301	74.000	PEAK
2		17355.006	16.909	37.400	54.309	-19.691	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/14**
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 CDD_ADP 1 802.11a_5785MHz**

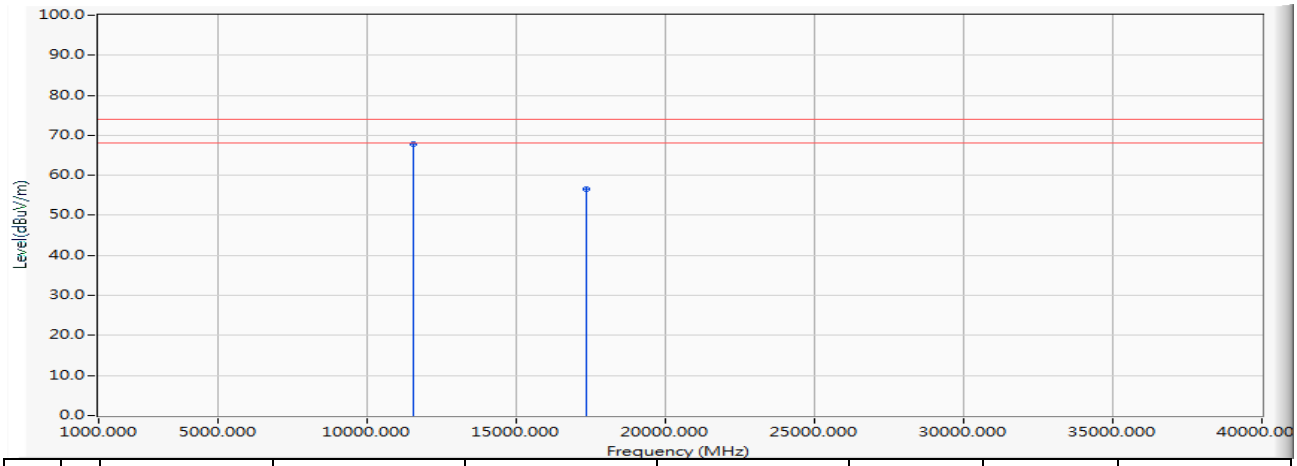


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11570.519	16.919	32.590	49.509	-4.491	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/14 -**
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 CDD_ADP 1 802.11a_5785MHz**

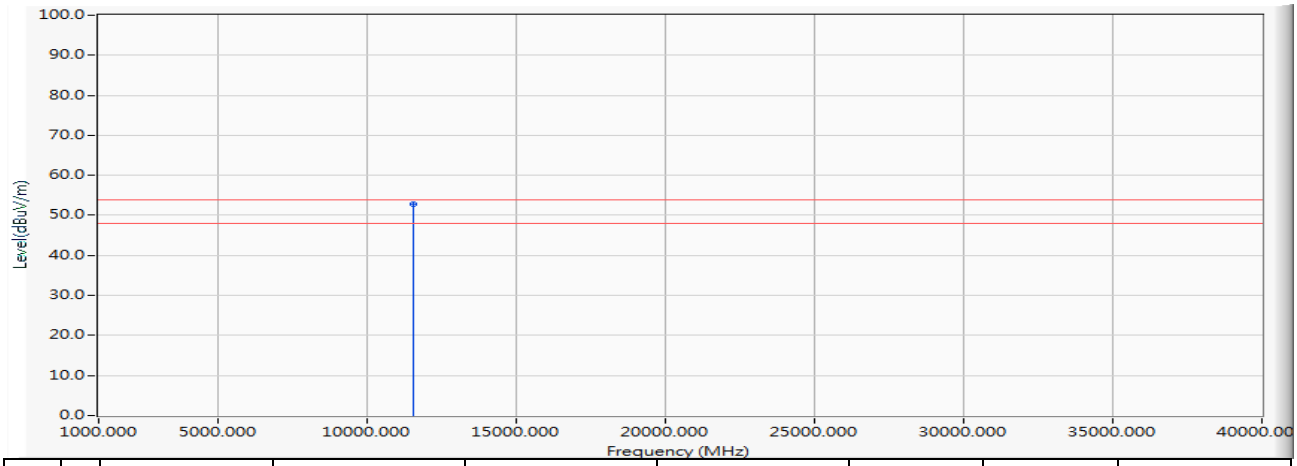


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11570.408	16.918	50.840	67.759	-6.241	74.000	PEAK
2		17355.031	16.909	39.730	56.639	-17.361	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/14**
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 CDD_ADP 1 802.11a_5785MHz**

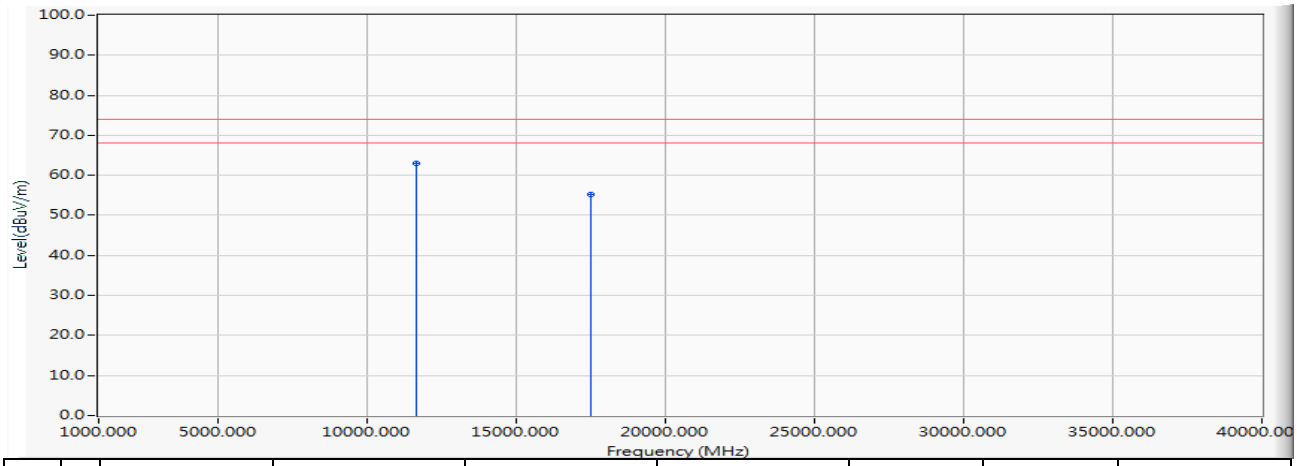


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11570.408	16.920	35.990	52.909	-1.091	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/15**
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 CDD_ADP 1 802.11a_5825MHz**

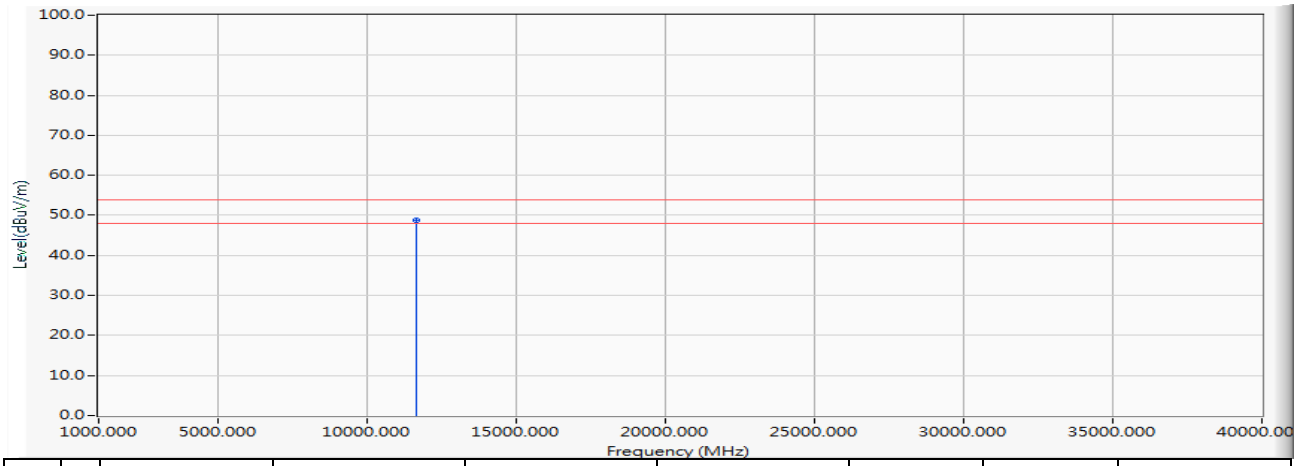


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11650.115	16.902	46.130	63.032	-10.968	74.000	PEAK
2		17475.241	17.654	37.610	55.263	-18.737	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/15**
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 CDD_ADP 1 802.11a_5825MHz**

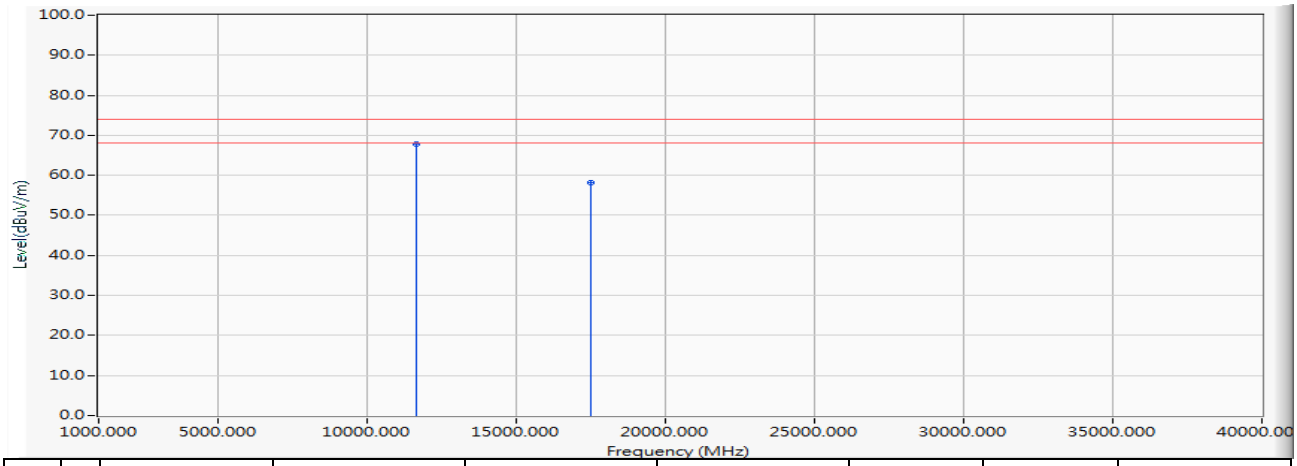


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11650.115	16.901	32.020	48.922	-5.078	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/15**
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 CDD_ADP 1 802.11a_5825MHz**

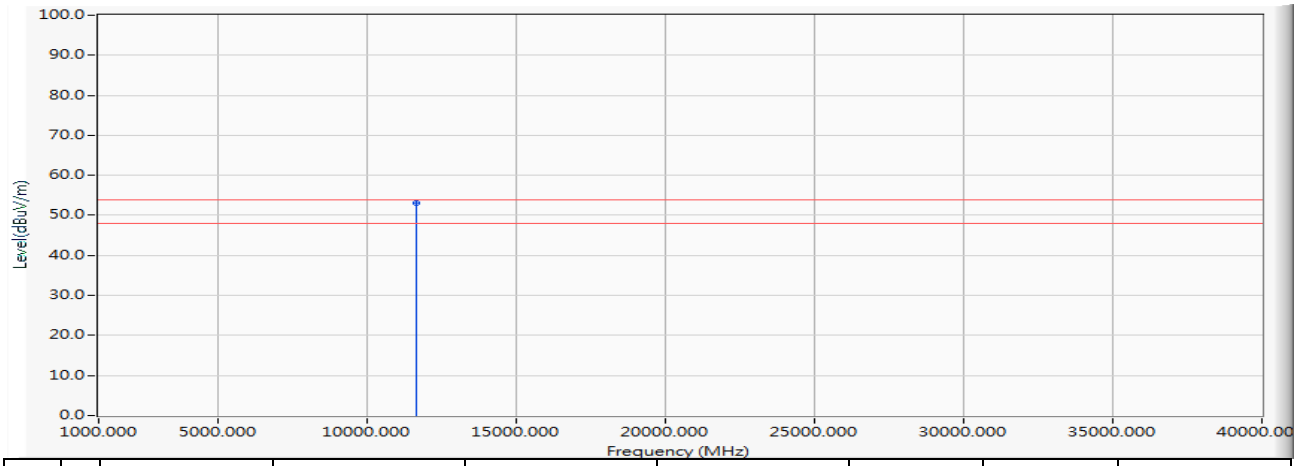


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11650.372	16.901	50.830	67.732	-6.268	74.000	PEAK
2		17475.155	17.653	40.400	58.053	-15.947	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/15**
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 CDD_ADP 1 802.11a_5825MHz**

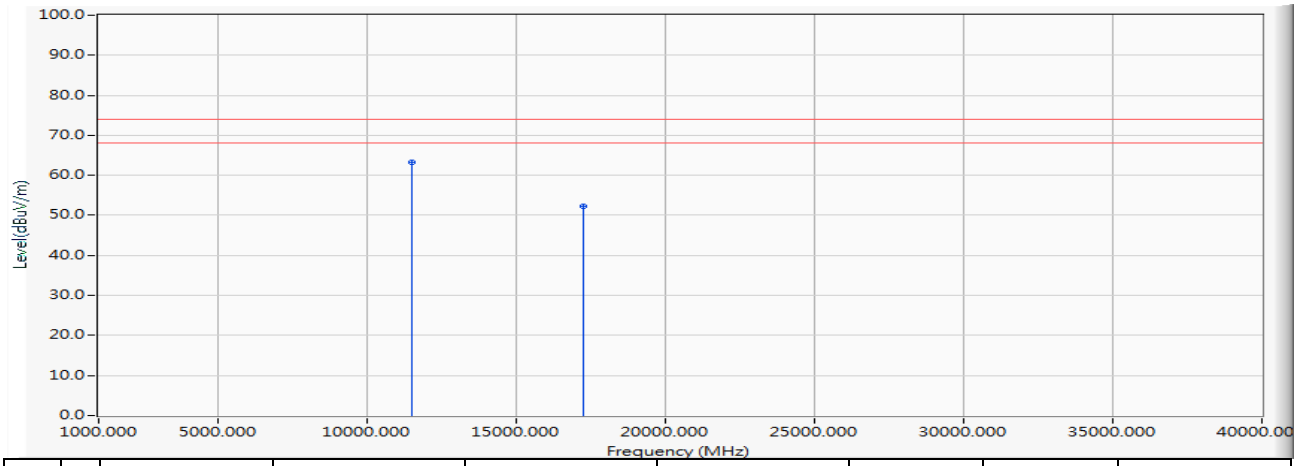


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11650.372	16.901	36.070	52.971	-1.029	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/15**
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 1 802.11n(20M)_5745MHz**

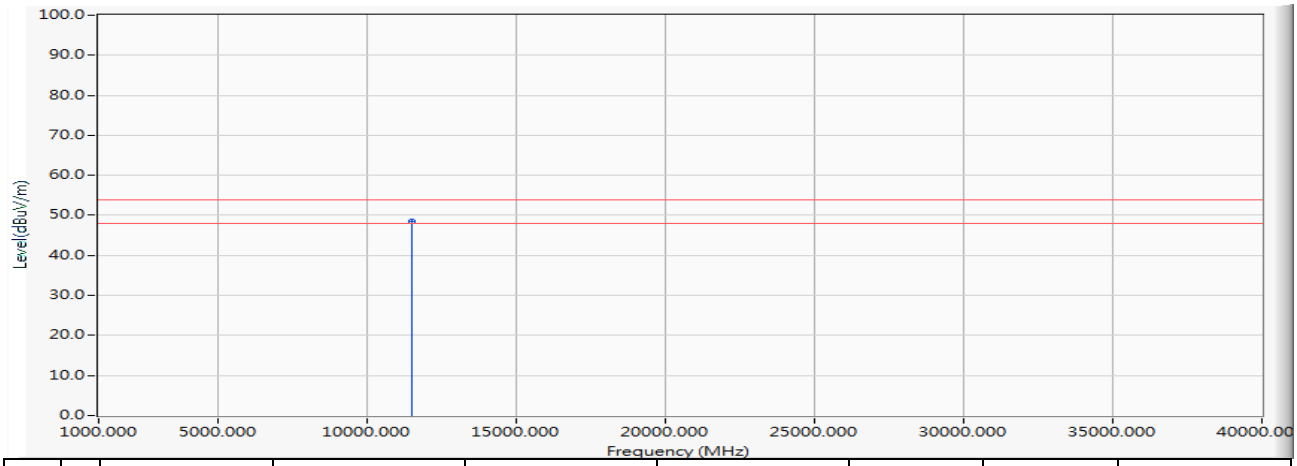


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11490.519	16.889	46.480	63.369	-10.631	74.000	PEAK
2		17234.879	16.053	36.320	52.372	-21.628	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/15**
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 1 802.11n(20M)_5745MHz**

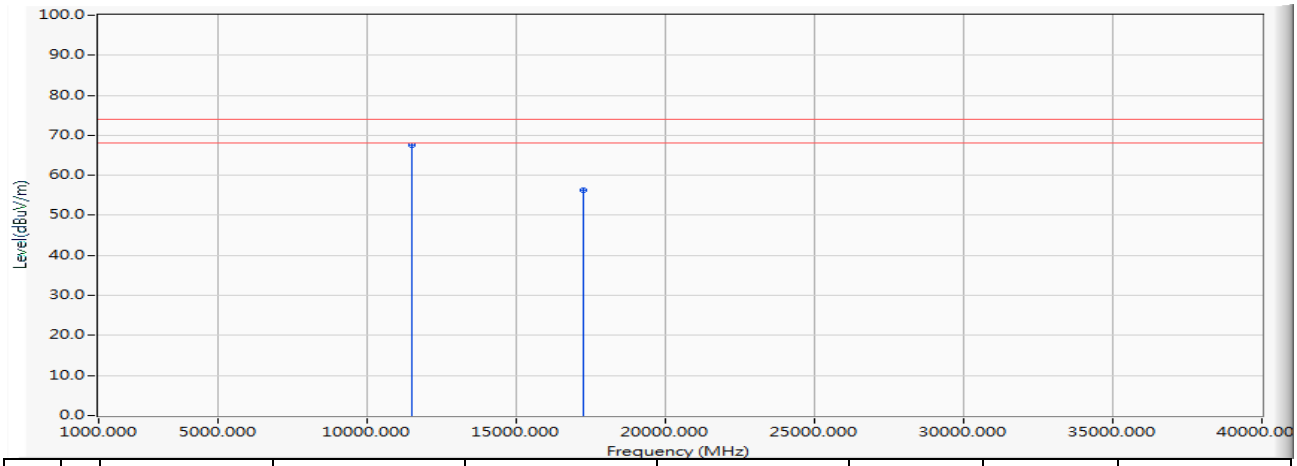


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11490.519	16.888	31.570	48.458	-5.542	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/15 -**
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 1 802.11n(20M)_5745MHz**

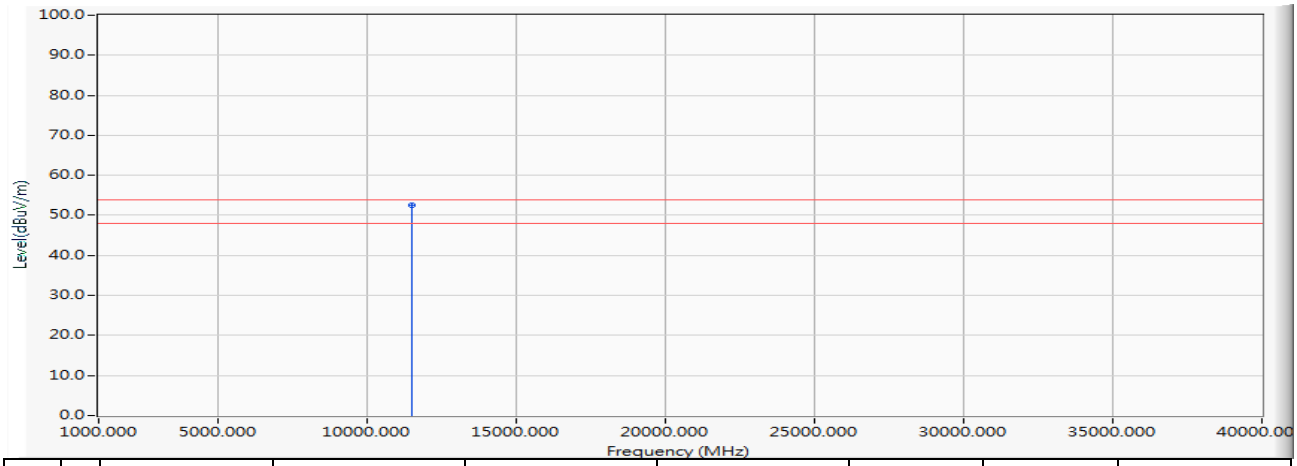


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11489.288	16.885	50.690	67.575	-6.425	74.000	PEAK
2		17234.976	16.053	40.130	56.183	-17.817	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/15**
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 1 802.11n(20M)_5745MHz**

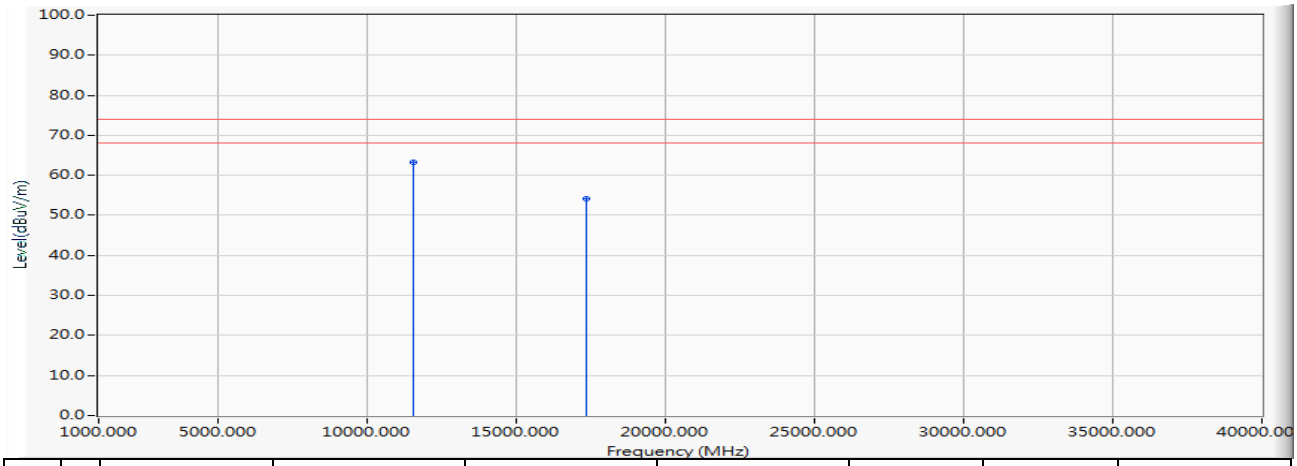


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11489.288	16.888	35.610	52.498	-1.502	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/15**
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 1 802.11n(20M)_5785MHz**

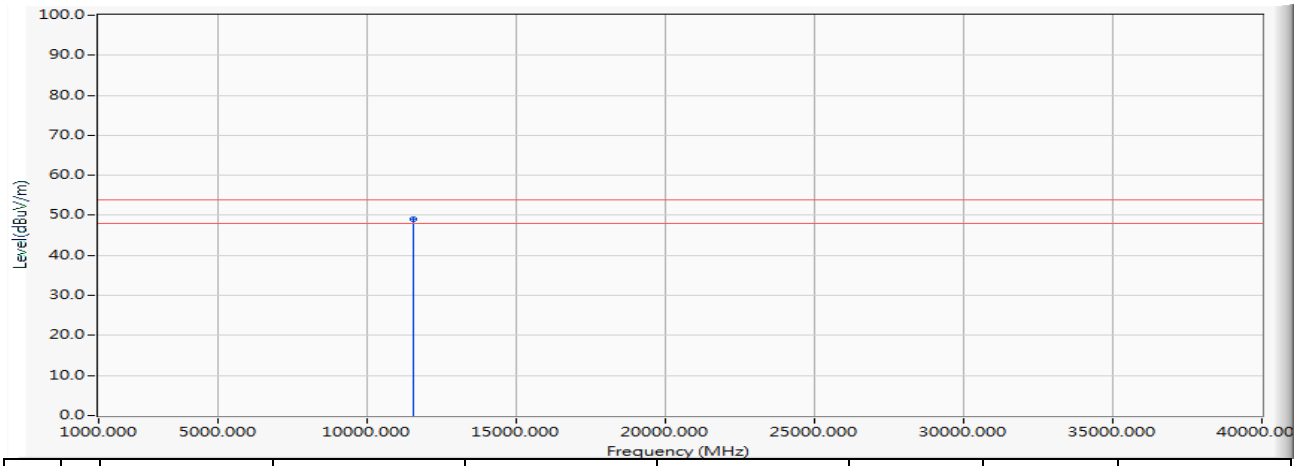


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11572.123	16.919	46.300	63.219	-10.781	74.000	PEAK
2		17355.253	16.910	37.220	54.130	-19.870	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/15**
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 1 802.11n(20M)_5785MHz**

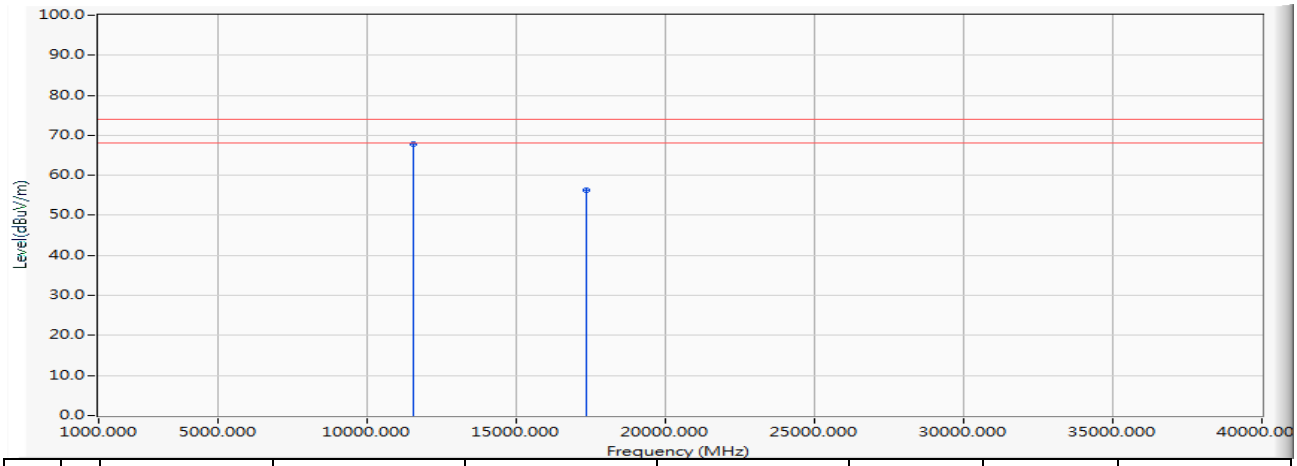


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11572.123	16.919	32.220	49.139	-4.861	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/15**
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 1 802.11n(20M)_5785MHz**

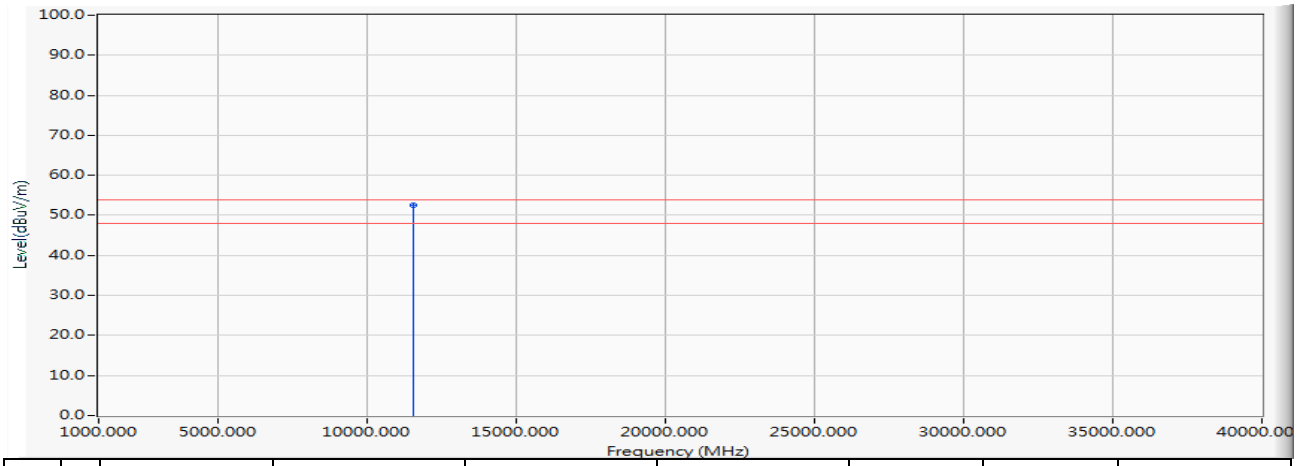


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11568.596	16.920	50.820	67.739	-6.261	74.000	PEAK
2		17354.873	16.908	39.260	56.168	-17.832	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/15**
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 1 802.11n(20M)_5785MHz**

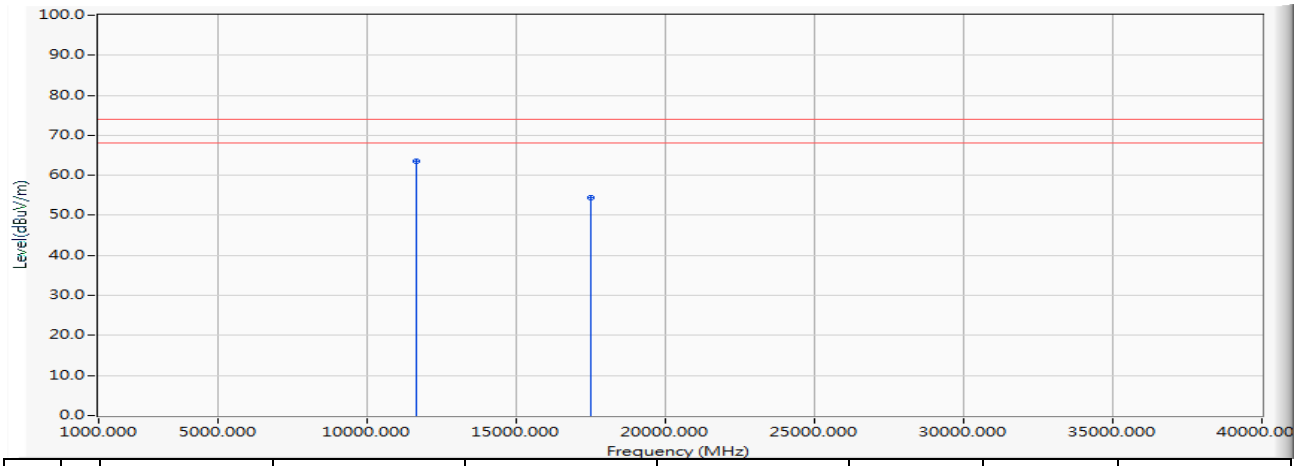


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11568.596	16.919	35.650	52.569	-1.431	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/16**
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 1 802.11n(20M)_5825MHz**

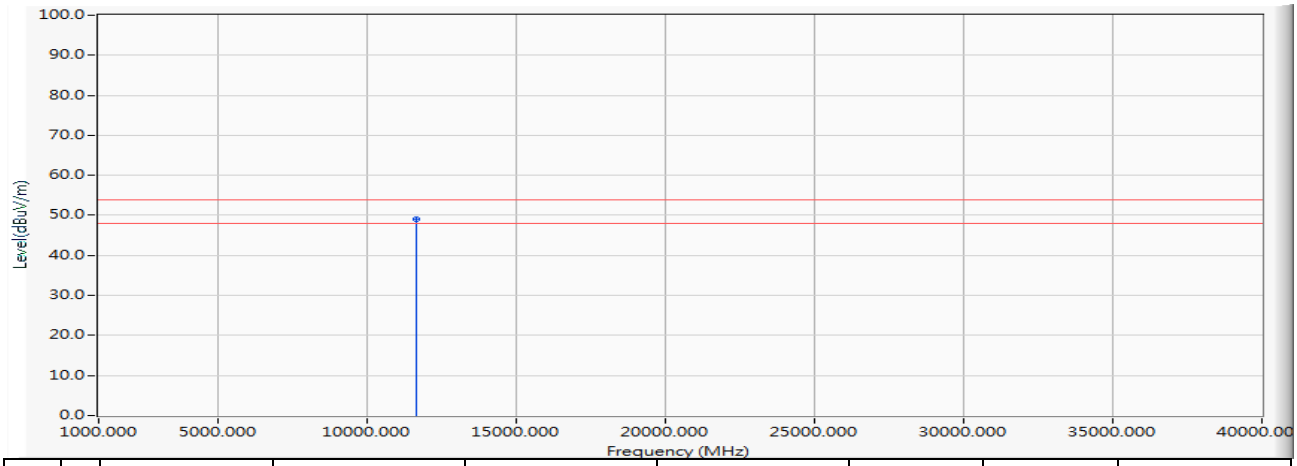


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11650.215	16.902	46.570	63.472	-10.528	74.000	PEAK
2		17475.274	17.654	36.820	54.474	-19.526	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/16**
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 1 802.11n(20M)_5825MHz**

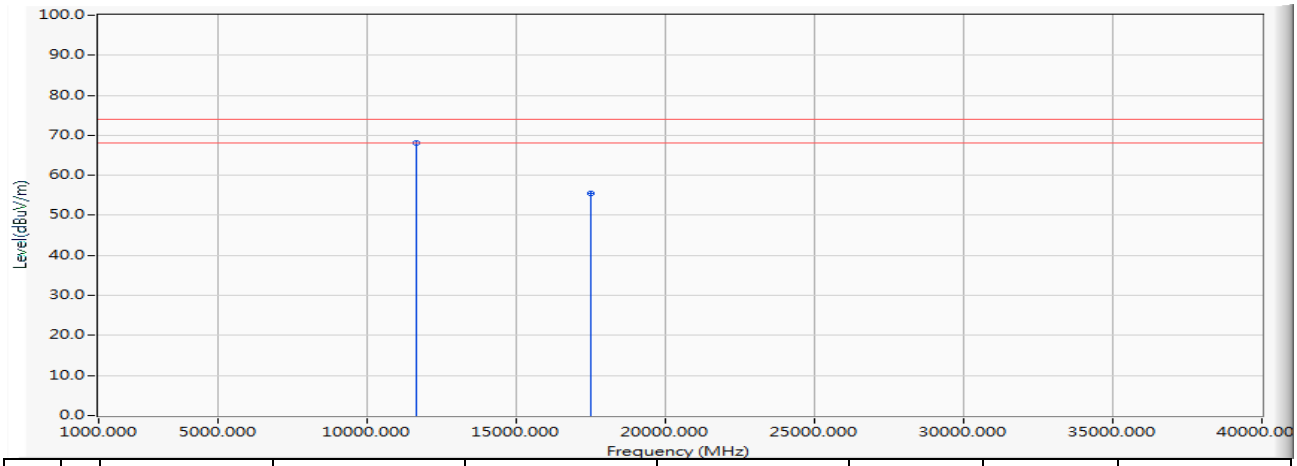


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11650.215	16.902	32.210	49.111	-4.889	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/15**
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 1 802.11n(20M)_5825MHz**

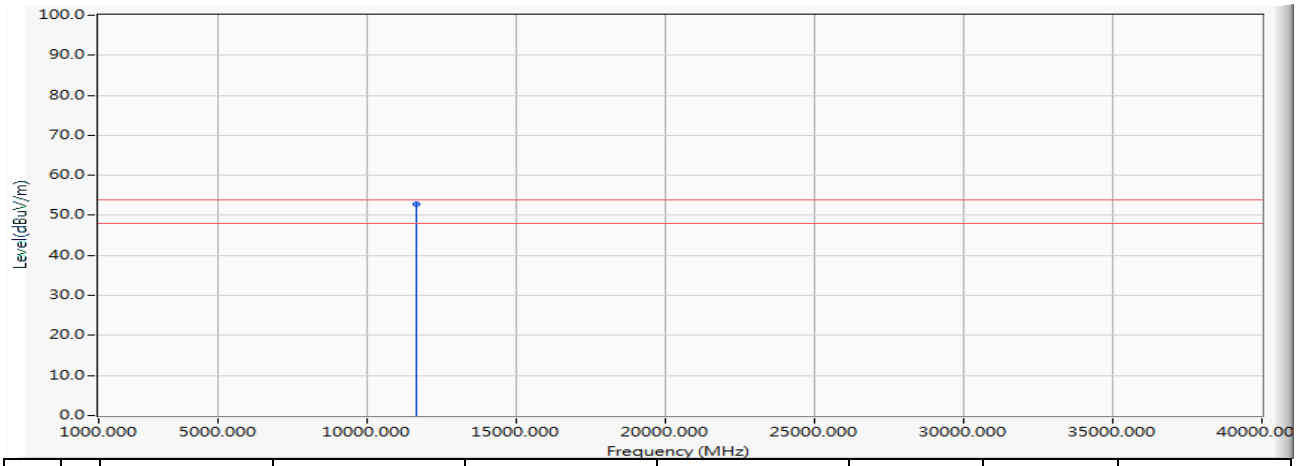


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11648.544	16.902	51.170	68.072	-5.928	74.000	PEAK
2		17475.369	17.654	37.930	55.584	-18.416	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/15**
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 1 802.11n(20M)_5825MHz**

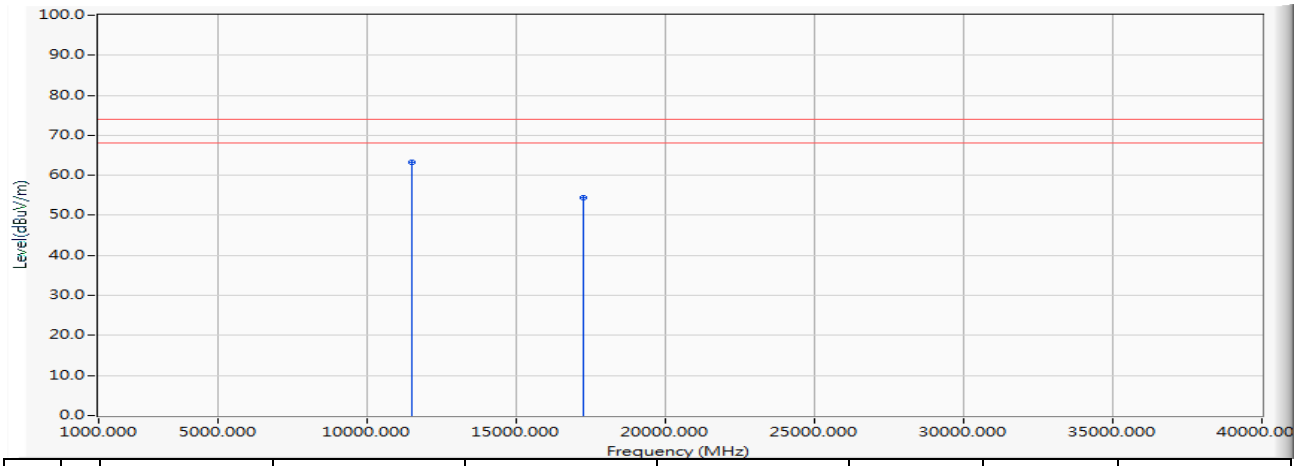


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11648.544	16.901	35.880	52.782	-1.218	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/16**
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 1 802.11n(40M)_5755MHz**

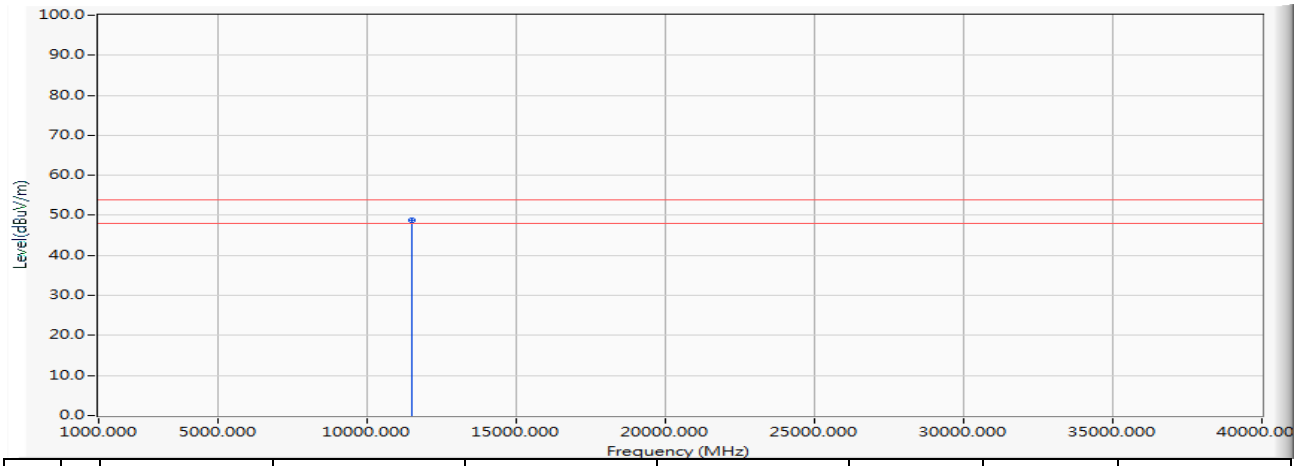


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11512.731	16.932	46.290	63.222	-10.778	74.000	PEAK
2		17267.263	16.685	37.770	54.455	-19.545	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/16**
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 1 802.11n(40M)_5755MHz**

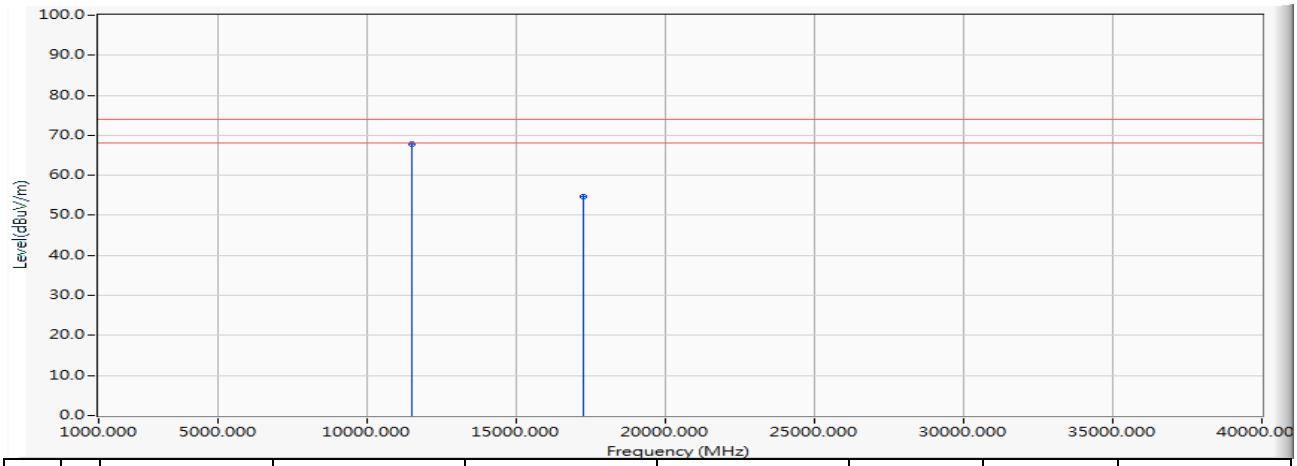


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11512.731	16.932	31.750	48.682	-5.318	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/16**
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 1 802.11n(40M)_5755MHz**

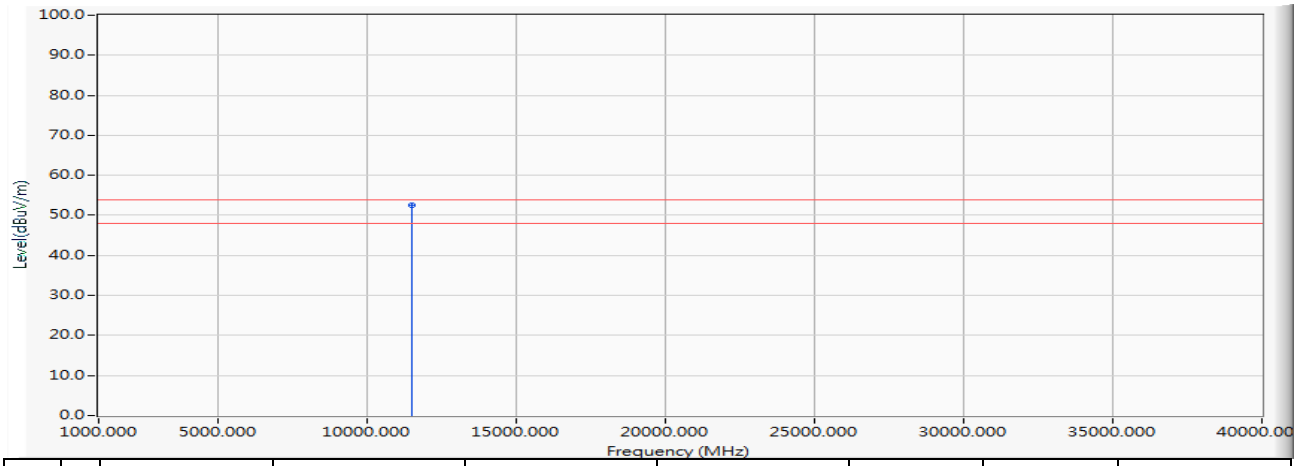


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11508.236	16.933	50.900	67.833	-6.167	74.000	PEAK
2		17263.212	16.693	38.060	54.752	-19.248	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/16**
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 1 802.11n(40M)_5755MHz**

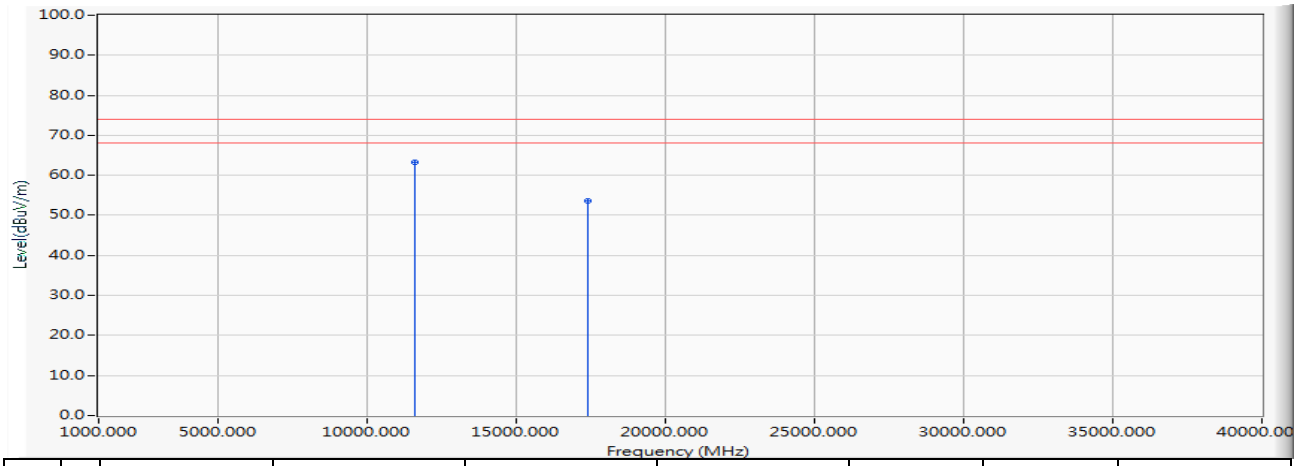


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11508.236	16.933	35.550	52.482	-1.518	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/16**
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 1 802.11n(40M)_5795MHz**

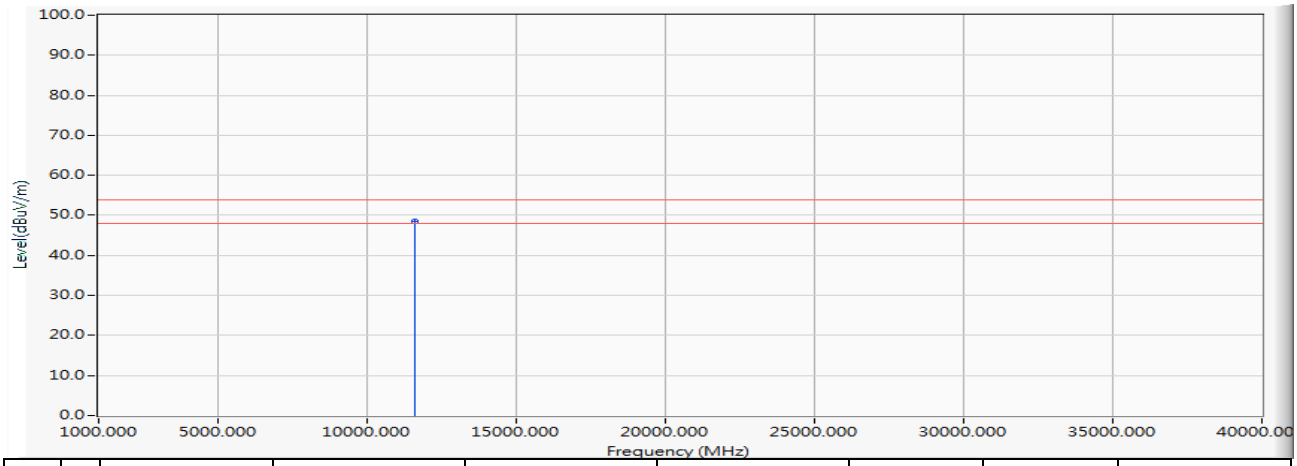


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11592.783	16.915	46.340	63.254	-10.746	74.000	PEAK
2		17385.631	17.099	36.570	53.669	-20.331	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/16**
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 1 802.11n(40M)_5795MHz**

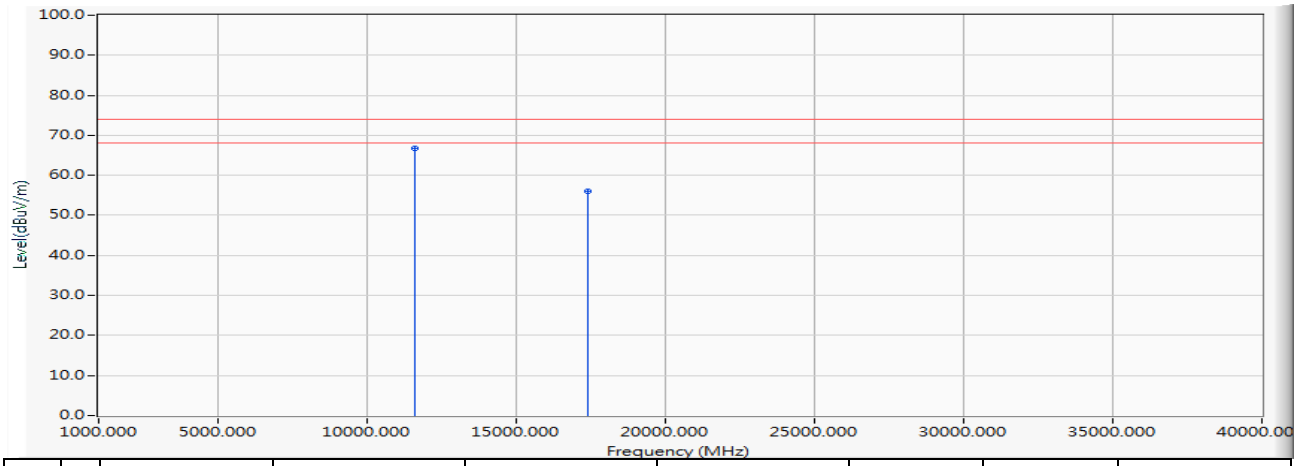


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11592.783	16.914	31.730	48.644	-5.356	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/16**
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 1 802.11n(40M)_5795MHz**

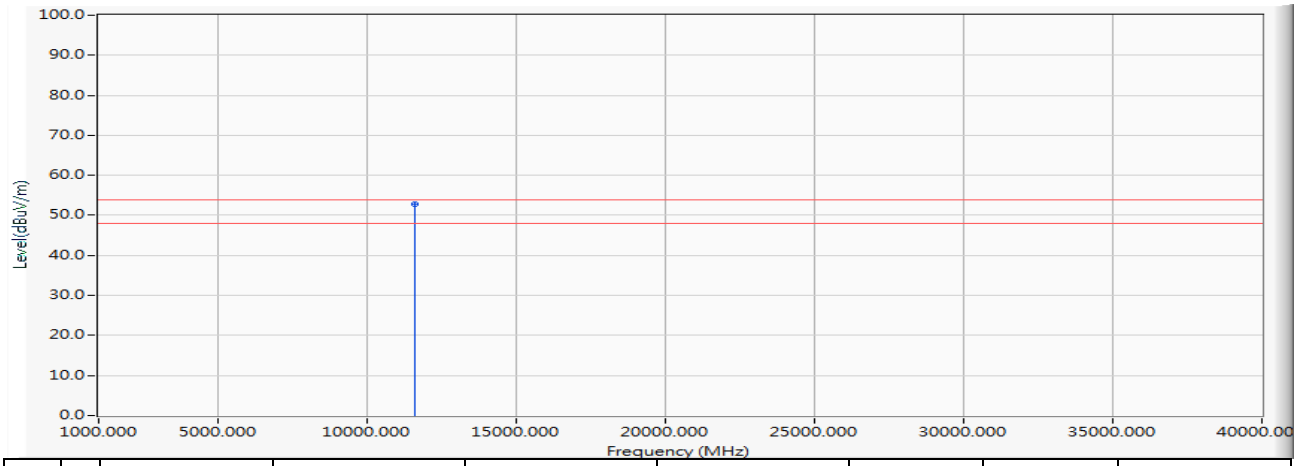


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11590.002	16.914	49.940	66.855	-7.145	74.000	PEAK
2		17388.583	17.117	39.030	56.147	-17.853	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/16**
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 : 802.11n(40M)_5795MHz**

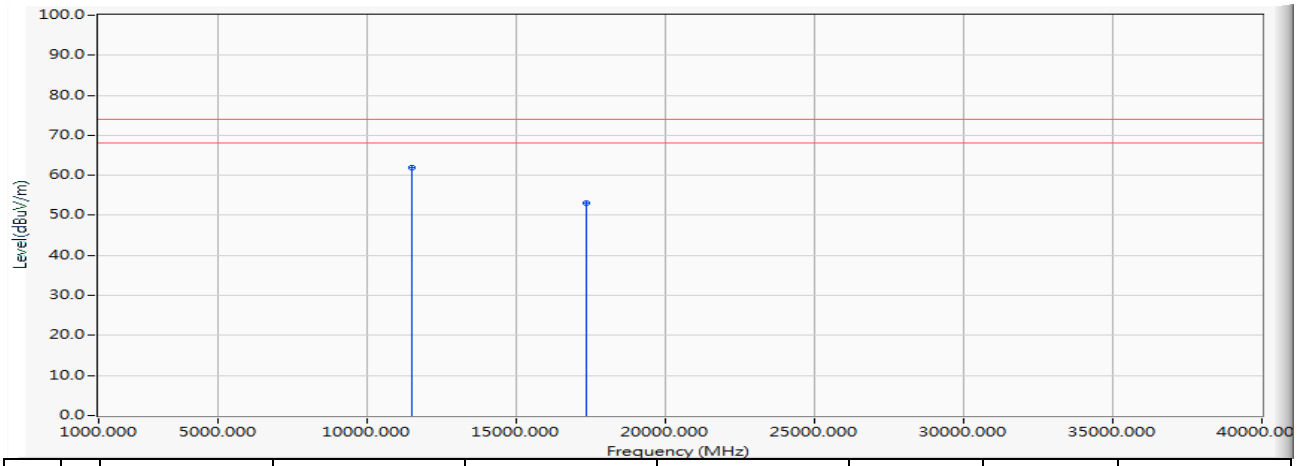


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11590.002	16.915	35.980	52.895	-1.105	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/16**
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 1 802.11ac(80M)_5775MHz**

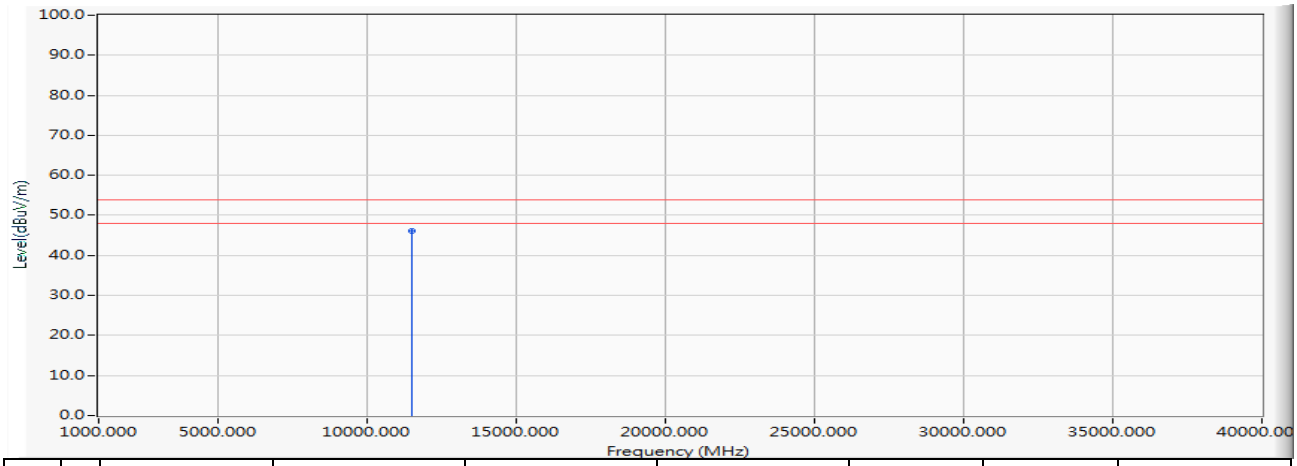


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11519.912	16.930	45.120	62.050	-11.950	74.000	PEAK
2		17325.109	16.725	36.330	53.055	-20.945	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/16**
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 1 802.11ac(80M)_5775MHz**

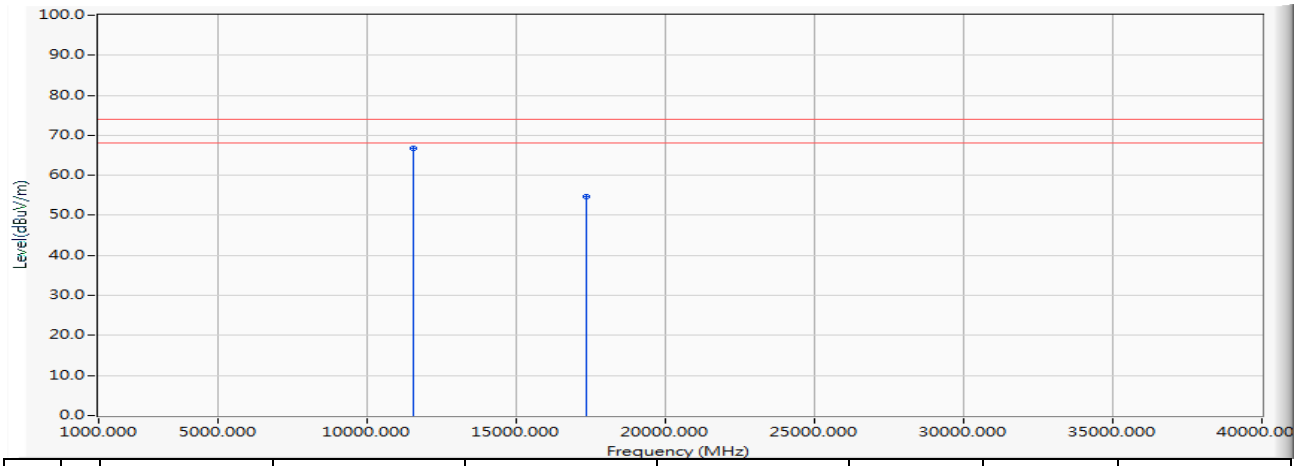


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11519.912	16.930	29.233	46.163	-7.837	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/16**
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 1 802.11ac(80M)_5775MHz**

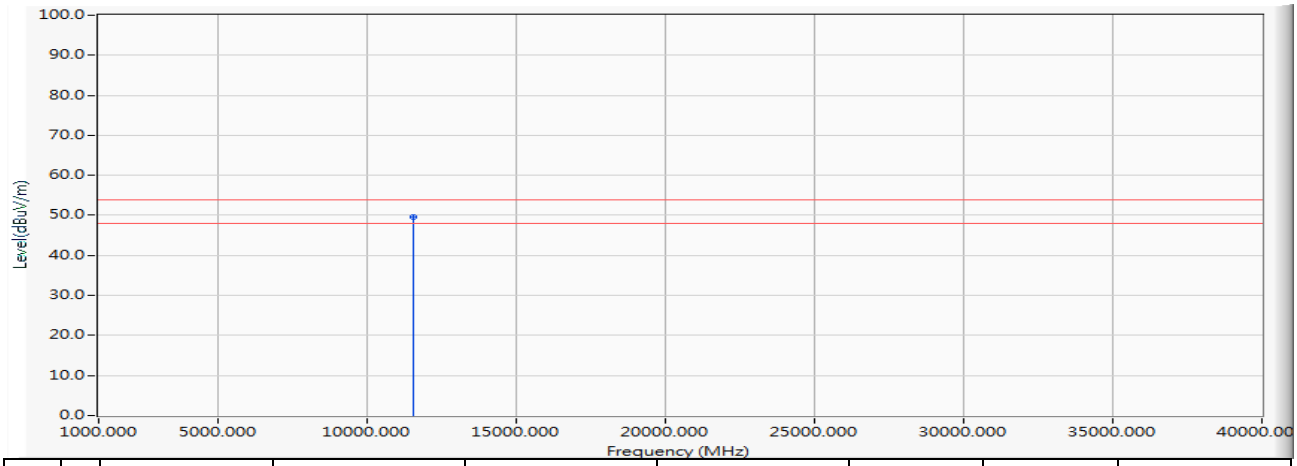


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11550.631	16.923	49.730	66.653	-7.347	74.000	PEAK
2		17325.364	16.726	37.910	54.636	-19.364	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/16**
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 1 802.11ac(80M)_5775MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11550.631	16.924	32.790	49.714	-4.286	54.000	AVERAGE

Note:

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

7. Band Edge

7.1. Test Equipment

The following test equipment are used during the band edge tests:

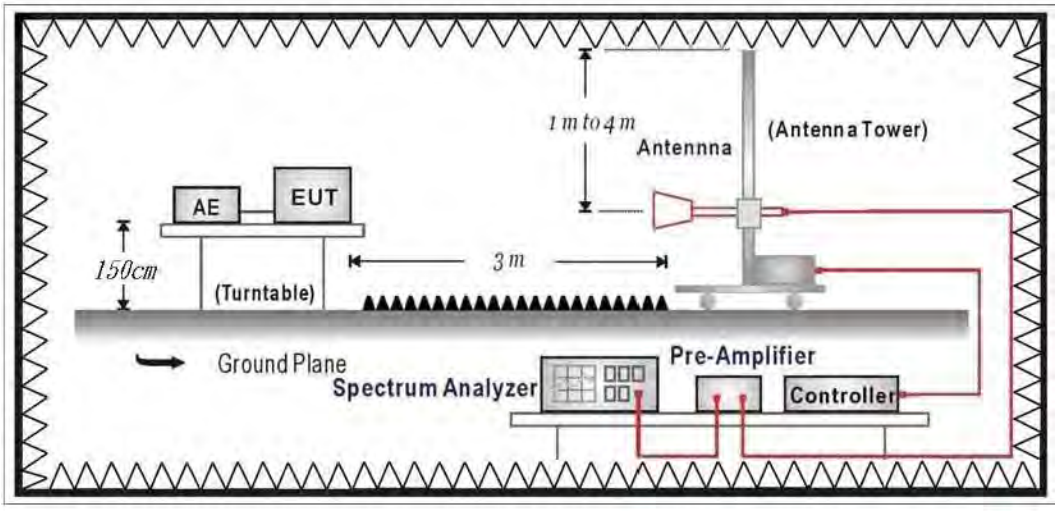
Band Edge / CB2-H

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.

7.2. Test Setup

RF Radiated Measurement:



7.3. Limits

➢ **General Radiated Emission Limits**

The provisions of Section 15.205 of this part apply to intentional radiators operating under this section. Radiated emissions which fall in the restricted bands, as defined in Section 15.205, must also comply with the radiated emission limits specified in Section 15.209:

FCC Part 15 Subpart C Paragraph 15.209 Limits		
Frequency MHz	uV/m @3m	dBuV/m@3m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

Remark:

1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
2. In the Above Table, the tighter limit applies at the band edges.
3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

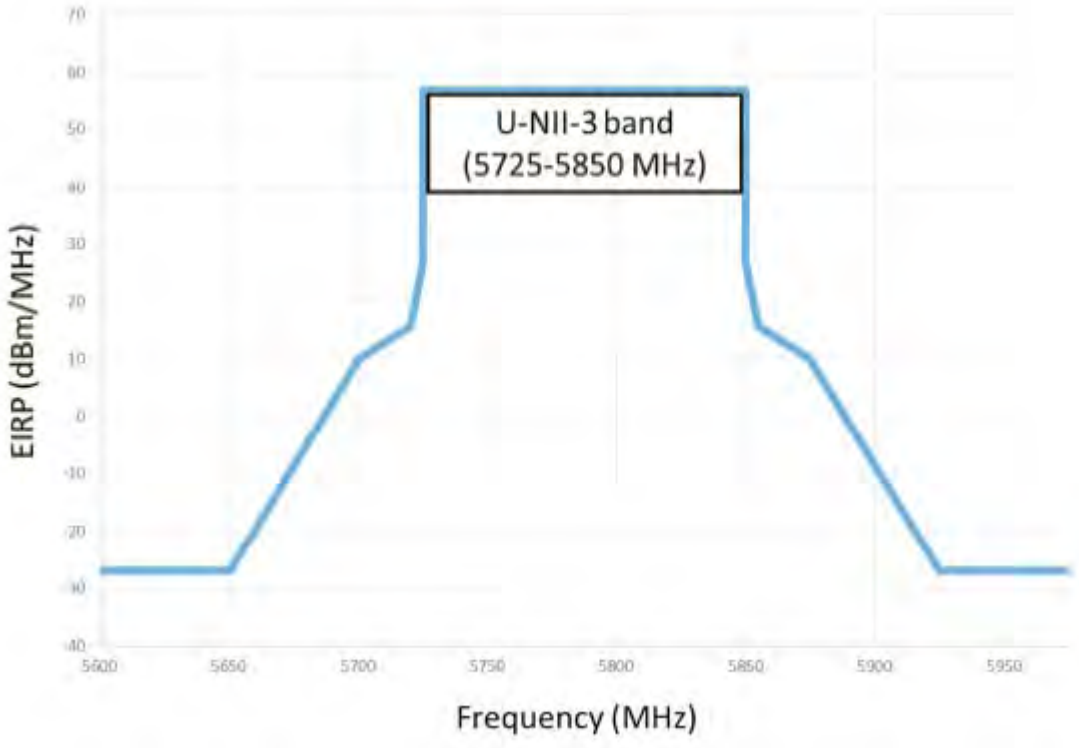
➢ **Unwanted Emission out of the restricted bands Limits**

FCC Part 15 Subpart E Paragraph 15.407(b) Limits		
Frequency (MHz)	EIRP Limit (dBm)	Equivalent Field Strength (dBuV/m@3m)
5150 - 5250	-27	68.3
5250 - 5350	-27	68.3
5470 - 5725	-27	68.3

4. For transmitters operating in the 5.725-5.85 GHz band

(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27dBm/MHz at the band edge.

(ii) Devices certified before March 2, 2017 with antenna gain greater than 10 dBi may demonstrate compliance with the emission limits in Section 15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease by March 2, 2018. Devices certified before March 2, 2018 with antenna gain of 10 dBi or less may demonstrate compliance with the emission limits in Section 15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease before March 2, 2020.



Remark:

1. For frequencies more than 10 MHz above or below the band edges.
2. For frequency range from the band edges to 10 MHz above or below the band edges.
3. uV/m = $\frac{1000000\sqrt{30 \times EIRP}}{3}$, RF Voltage (dBuV/m) = 20 log RF Voltage (uV/m)

7.4. Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

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

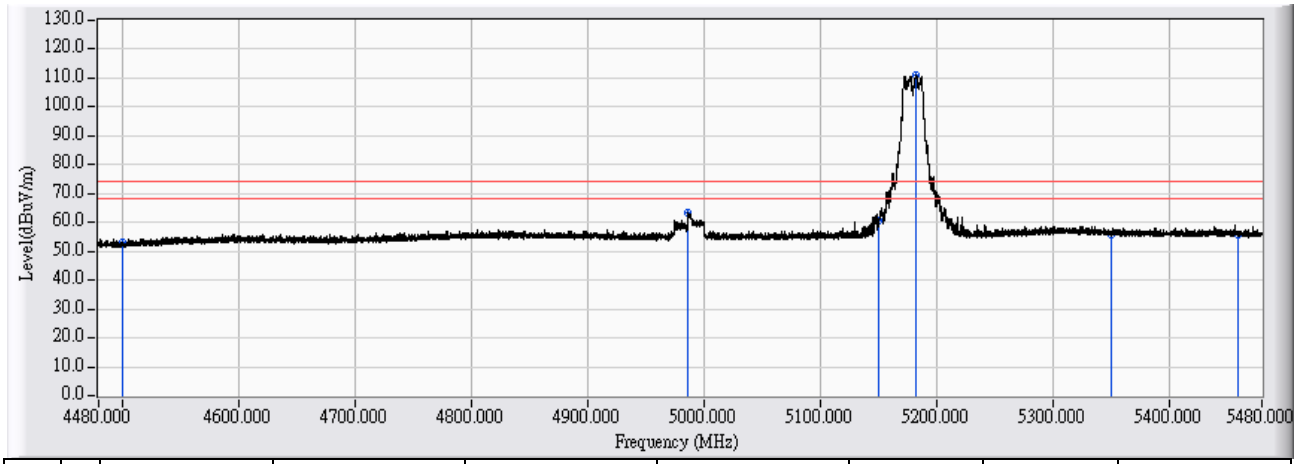
The bandwidth below 1GHz setting on the field strength meter is 120 KHz, above 1GHz are 1 MHz.

7.5. Uncertainty

The measurement uncertainty is defined as ± 3.65dB

7.6. Test Result

Site : CB2-H	**Time : 2017/09/14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX CDD_ADP 1 802.11a_5180MHz**

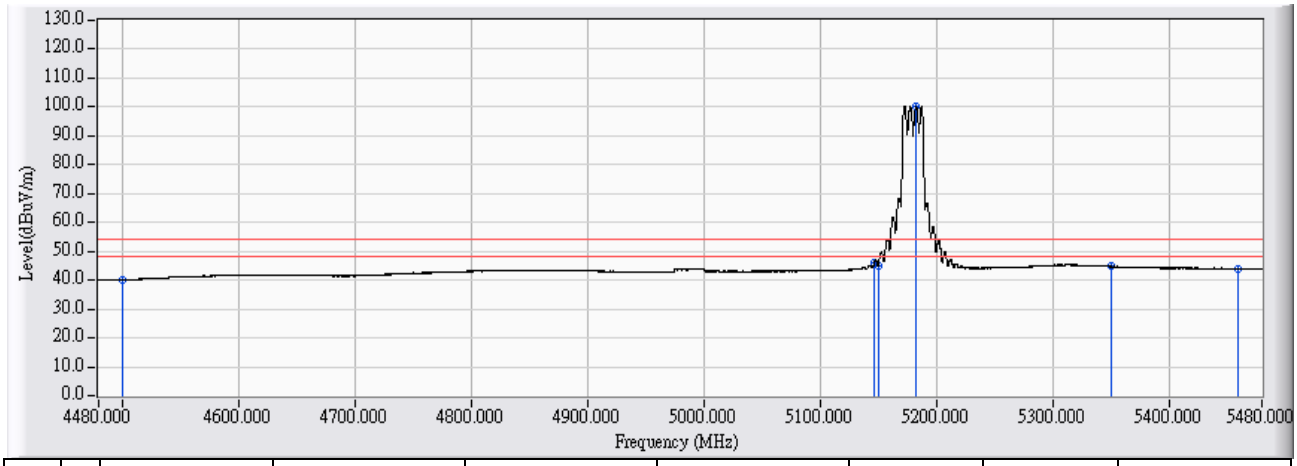


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	21.739	31.216	52.955	-21.045	74.000	PEAK
2		4986.949	23.511	39.713	63.225	-10.775	74.000	PEAK
3		5150.000	23.597	36.871	60.468	-13.532	74.000	PEAK
4	*	5182.830	23.617	87.560	111.178	37.178	74.000	PEAK
5		5350.000	23.806	32.214	56.020	-17.980	74.000	PEAK
6		5460.000	23.958	31.771	55.729	-18.271	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/14**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX CDD_ADP 1 802.11a_5180MHz**

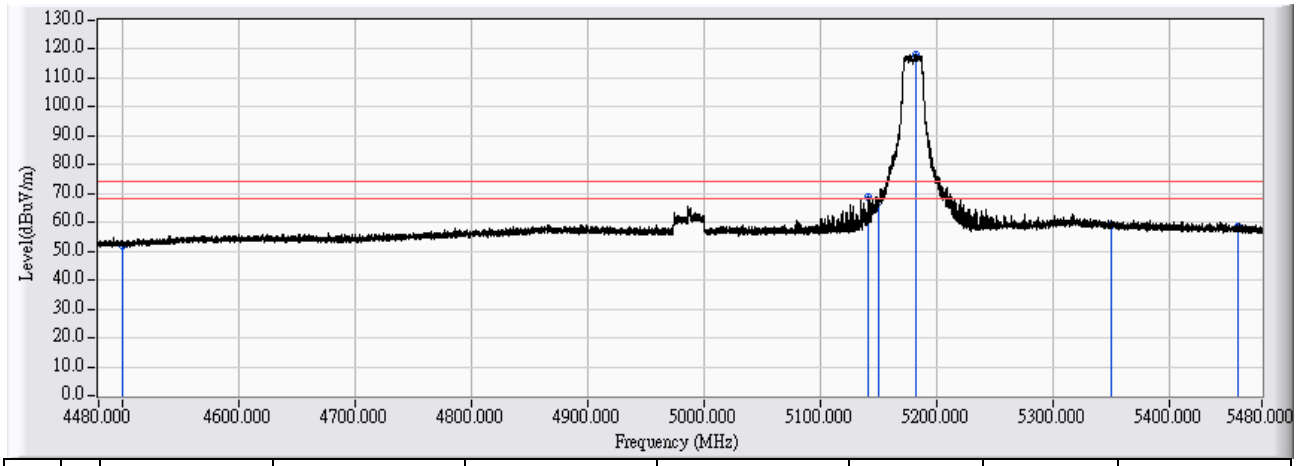


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	21.739	18.338	40.077	-13.923	54.000	AVERAGE
2		5146.533	23.595	22.257	45.852	-8.148	54.000	AVERAGE
3		5150.000	23.597	21.374	44.971	-9.029	54.000	AVERAGE
4	*	5182.730	23.617	76.695	100.312	46.312	54.000	AVERAGE
5		5350.000	23.806	20.917	44.723	-9.277	54.000	AVERAGE
6		5460.000	23.958	20.004	43.962	-10.038	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX CDD_ADP 1 802.11a_5180MHz**

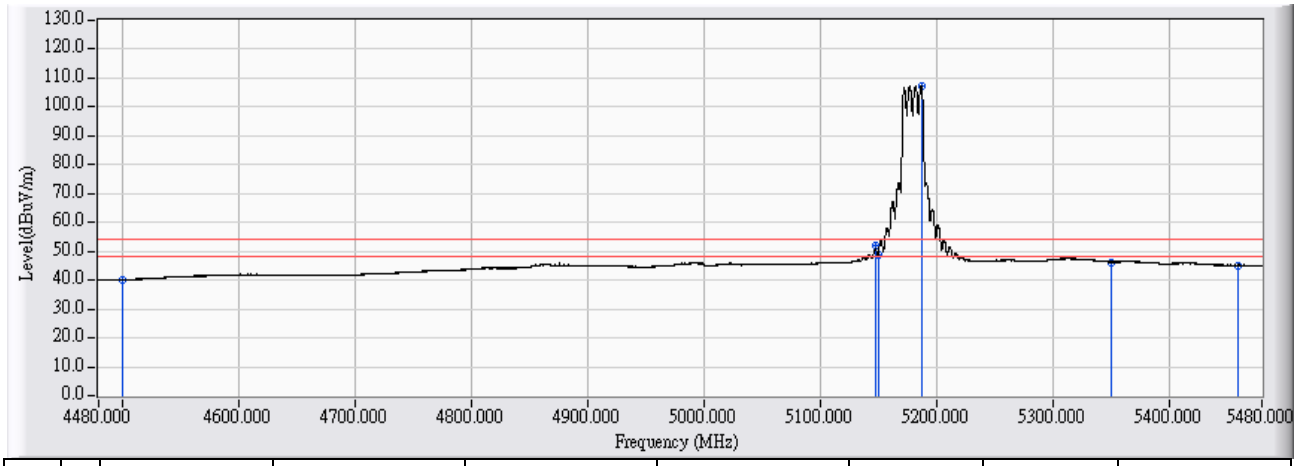


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	21.739	30.444	52.183	-21.817	74.000	PEAK
2		5142.034	23.592	45.151	68.743	-5.257	74.000	PEAK
3		5150.000	23.597	43.309	66.906	-7.094	74.000	PEAK
4	*	5182.930	23.618	94.675	118.293	44.293	74.000	PEAK
5		5350.000	23.806	35.242	59.048	-14.952	74.000	PEAK
6		5460.000	23.958	34.321	58.279	-15.721	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/14**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX CDD_ADP 1 802.11a_5180MHz**

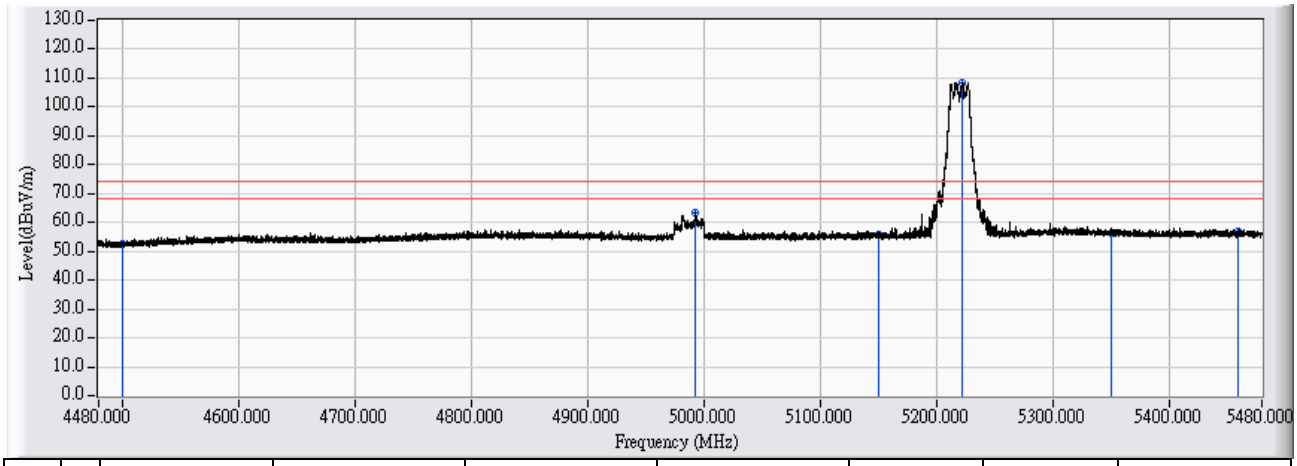


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	21.739	18.454	40.193	-13.807	54.000	AVERAGE
2		5147.733	23.595	28.417	52.012	-1.988	54.000	AVERAGE
3		5150.000	23.597	24.955	48.552	-5.448	54.000	AVERAGE
4	*	5187.129	23.621	83.692	107.312	53.312	54.000	AVERAGE
5		5350.000	23.806	22.445	46.251	-7.749	54.000	AVERAGE
6		5460.000	23.958	21.184	45.142	-8.858	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX CDD_ADP 1 802.11a_5220MHz**

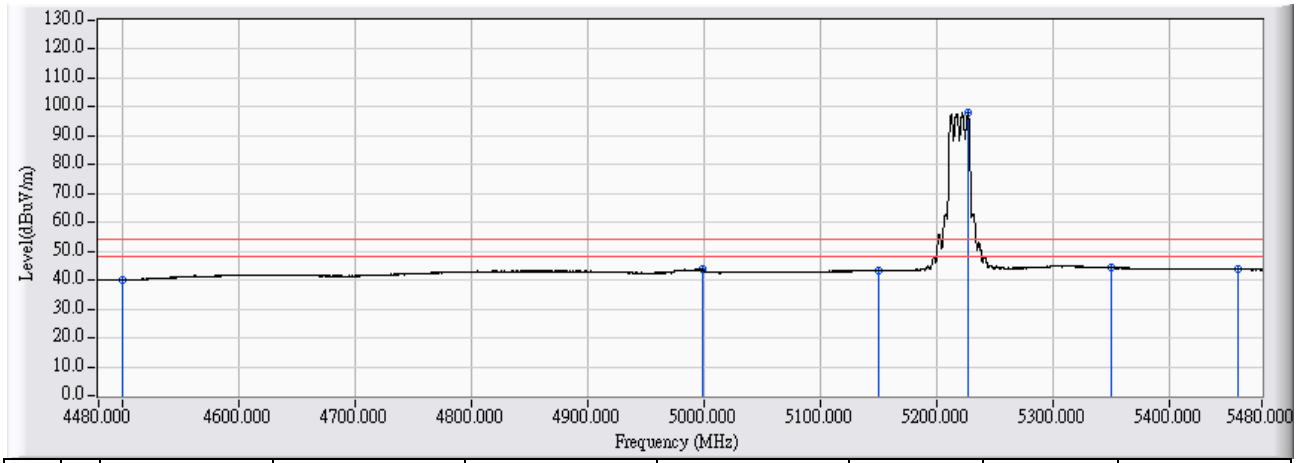


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	21.739	30.698	52.437	-21.563	74.000	PEAK
2		4993.149	23.519	39.732	63.251	-10.749	74.000	PEAK
3		5150.000	23.597	31.996	55.593	-18.407	74.000	PEAK
4	*	5222.126	23.640	84.882	108.521	34.521	74.000	PEAK
5		5350.000	23.806	32.477	56.283	-17.717	74.000	PEAK
6		5460.000	23.958	33.000	56.958	-17.042	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/14**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX CDD_ADP 1 802.11a_5220MHz**

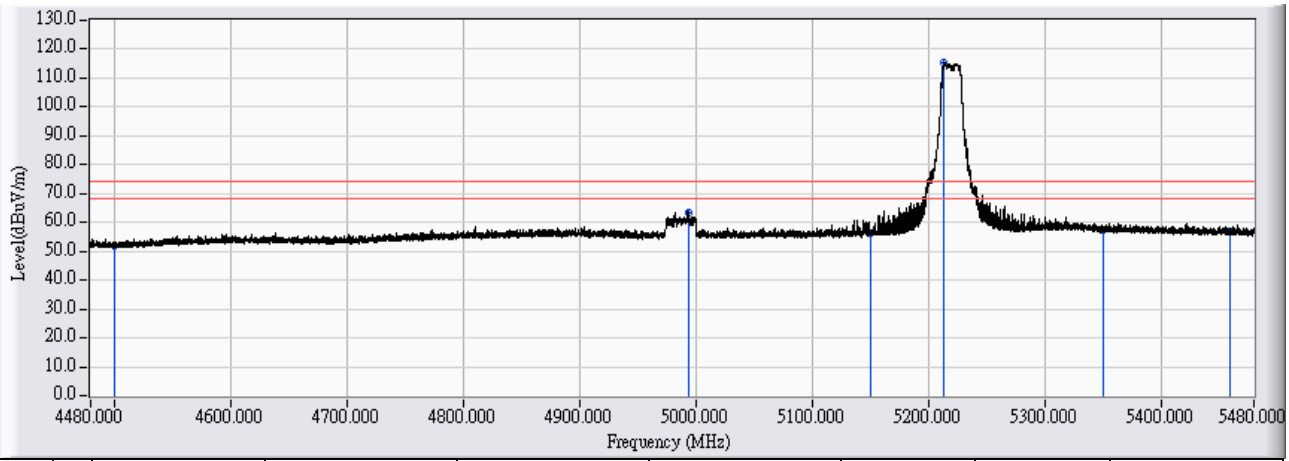


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	21.739	18.332	40.071	-13.929	54.000	AVERAGE
2		4998.648	23.523	20.098	43.621	-10.379	54.000	AVERAGE
3		5150.000	23.597	19.658	43.255	-10.745	54.000	AVERAGE
4	*	5227.325	23.642	74.225	97.867	43.867	54.000	AVERAGE
5		5350.000	23.806	20.483	44.289	-9.711	54.000	AVERAGE
6		5460.000	23.958	19.822	43.780	-10.220	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX CDD_ADP 1 802.11a_5220MHz**

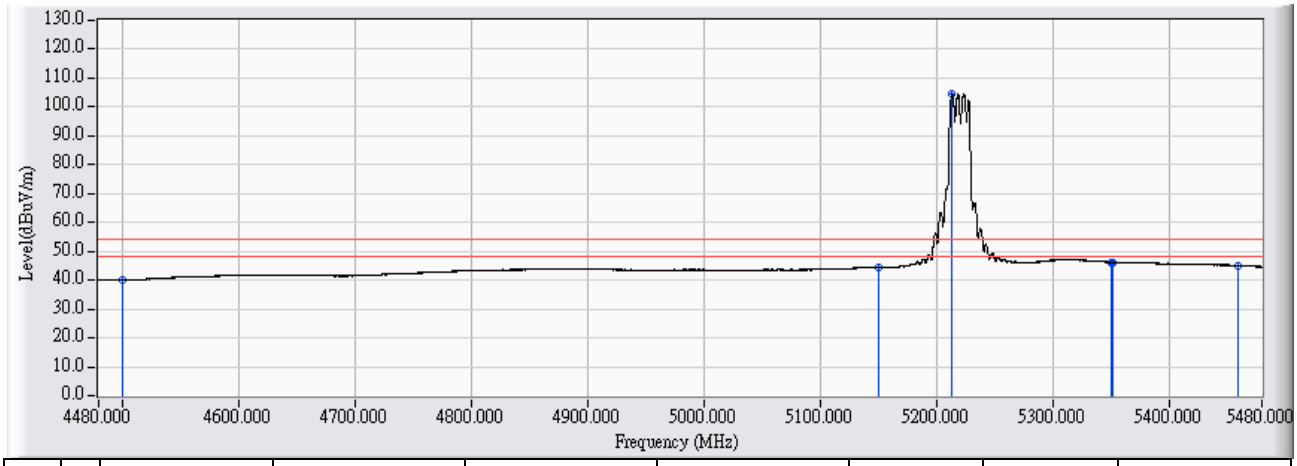


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	21.739	30.378	52.117	-21.883	74.000	PEAK
2		4993.949	23.520	39.736	63.256	-10.744	74.000	PEAK
3		5150.000	23.597	32.718	56.315	-17.685	74.000	PEAK
4	*	5213.627	23.635	91.544	115.179	41.179	74.000	PEAK
5		5350.000	23.806	33.529	57.335	-16.665	74.000	PEAK
6		5460.000	23.958	32.919	56.877	-17.123	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/14**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX CDD_ADP 1 802.11a_5220MHz**

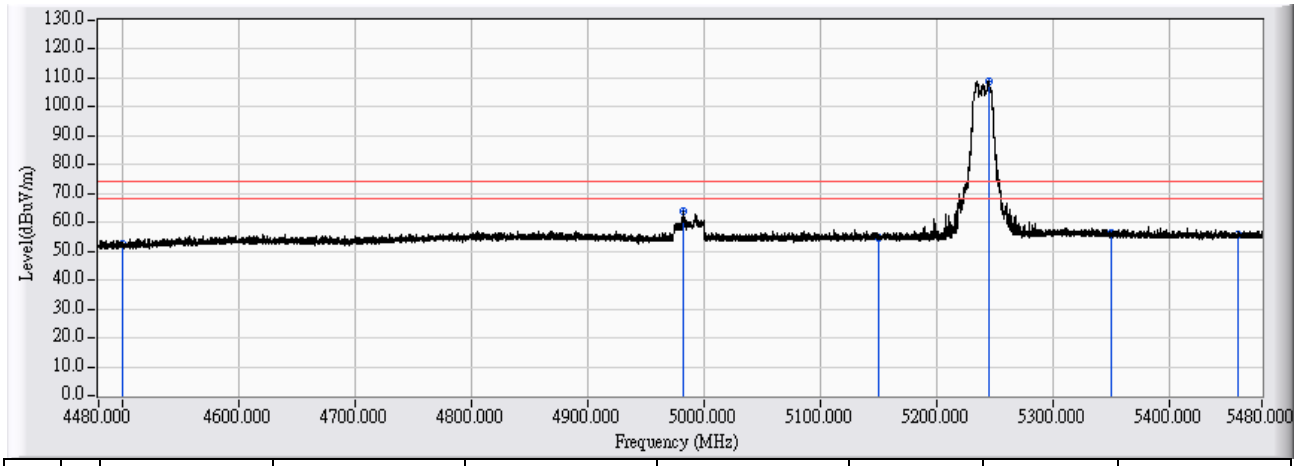


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	21.739	18.426	40.165	-13.835	54.000	AVERAGE
2		5150.000	23.597	20.804	44.401	-9.599	54.000	AVERAGE
3	*	5213.727	23.635	80.907	104.542	50.542	54.000	AVERAGE
4		5350.000	23.806	22.443	46.249	-7.751	54.000	AVERAGE
5		5351.213	23.807	22.326	46.133	-7.867	54.000	AVERAGE
6		5460.000	23.958	21.158	45.116	-8.884	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX CDD_ADP 1 802.11a_5240MHz**

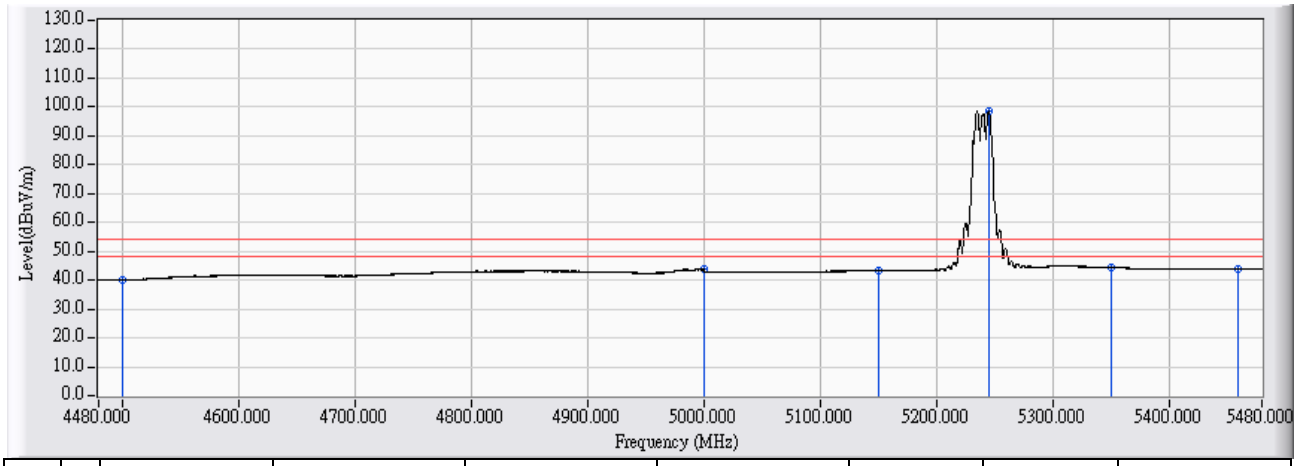


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	21.739	30.934	52.673	-21.327	74.000	PEAK
2		4982.350	23.507	40.676	64.182	-9.818	74.000	PEAK
3		5150.000	23.597	30.841	54.438	-19.562	74.000	PEAK
4	*	5245.423	23.652	85.456	109.107	35.107	74.000	PEAK
5		5350.000	23.806	32.472	56.278	-17.722	74.000	PEAK
6		5460.000	23.958	31.855	55.813	-18.187	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 = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB2-H	**Time : 2017/09/14**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX CDD_ADP 1 802.11a_5240MHz**

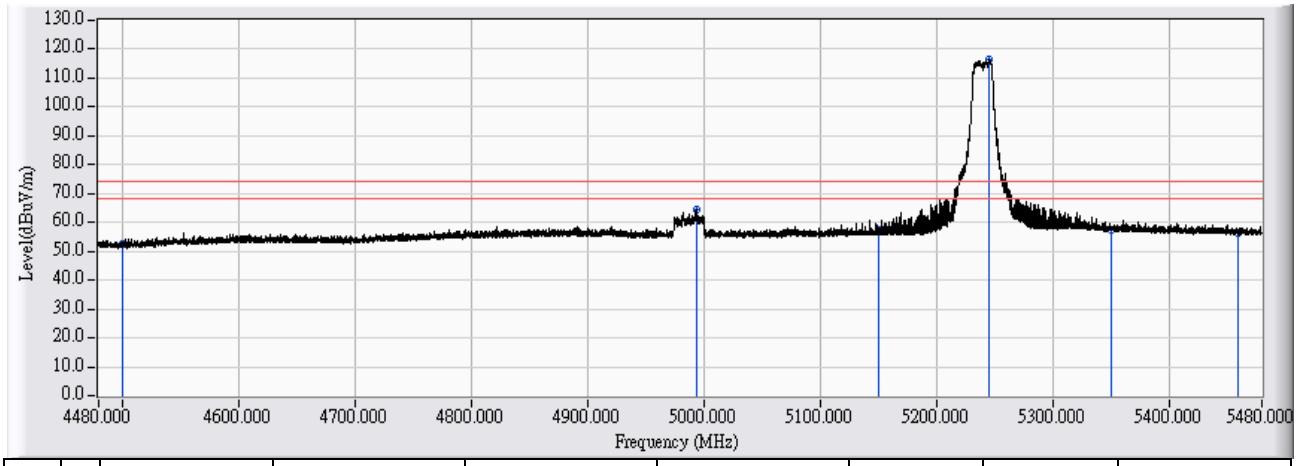


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	21.739	18.306	40.045	-13.955	54.000	AVERAGE
2		4999.948	23.524	20.104	43.628	-10.372	54.000	AVERAGE
3		5150.000	23.597	19.659	43.256	-10.744	54.000	AVERAGE
4	*	5245.223	23.651	74.882	98.533	44.533	54.000	AVERAGE
5		5350.000	23.806	20.486	44.292	-9.708	54.000	AVERAGE
6		5460.000	23.958	19.874	43.832	-10.168	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX CDD_ADP 1 802.11a_5240MHz**

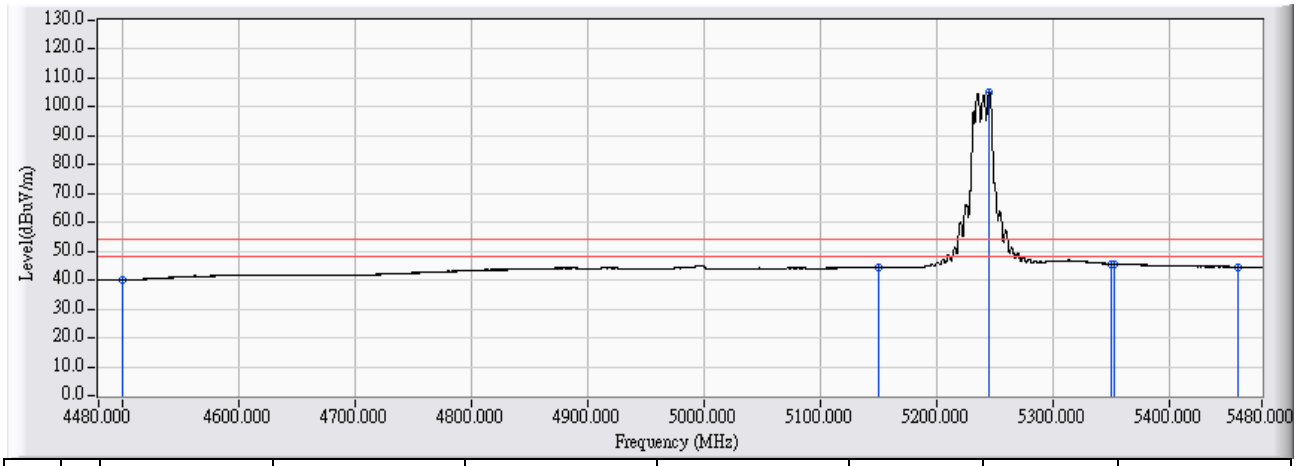


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	21.739	30.982	52.721	-21.279	74.000	PEAK
2		4993.549	23.519	41.045	64.564	-9.436	74.000	PEAK
3		5150.000	23.597	33.775	57.372	-16.628	74.000	PEAK
4	*	5245.523	23.652	92.600	116.251	42.251	74.000	PEAK
5		5350.000	23.806	33.668	57.474	-16.526	74.000	PEAK
6		5460.000	23.958	32.478	56.436	-17.564	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/14**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 1: TX CDD_ADP 1 802.11a_5240MHz**

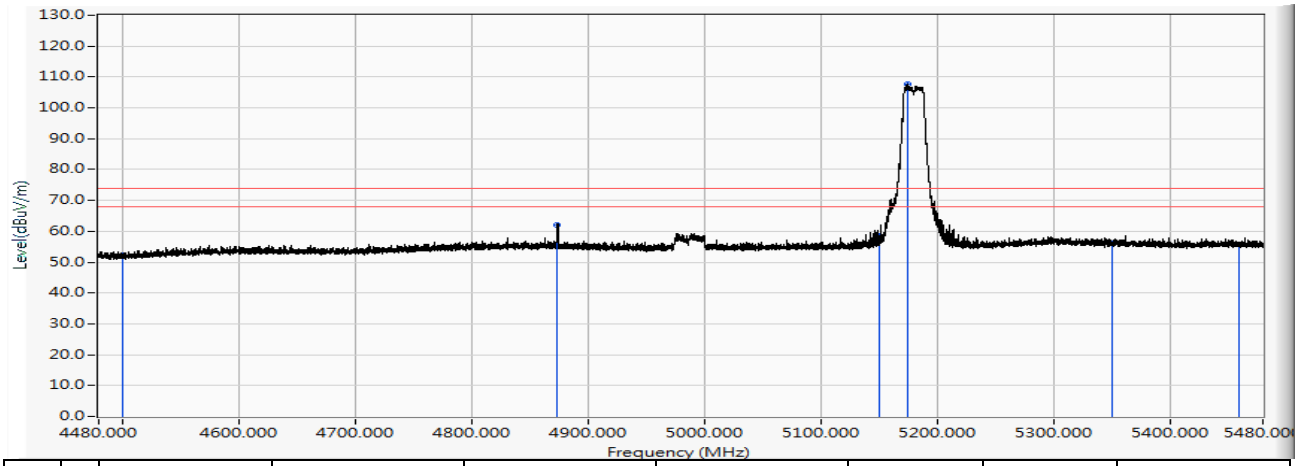


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	21.739	18.216	39.955	-14.045	54.000	AVERAGE
2		5150.000	23.597	20.803	44.400	-9.600	54.000	AVERAGE
3	*	5245.523	23.652	81.320	104.971	50.971	54.000	AVERAGE
4		5350.000	23.806	21.842	45.648	-8.352	54.000	AVERAGE
5		5352.513	23.809	21.805	45.614	-8.386	54.000	AVERAGE
6		5460.000	23.958	20.475	44.433	-9.567	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/10/13**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 1 802.11n(20M)_5180MHz**

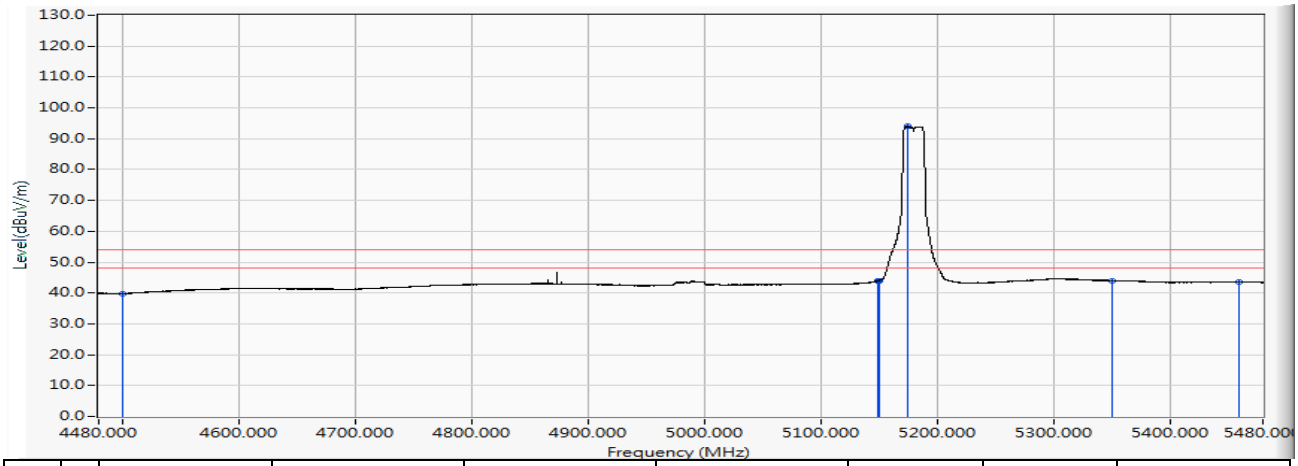


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	21.739	30.389	52.128	-21.872	74.000	PEAK
2		4873.700	23.380	38.738	62.118	-11.882	74.000	PEAK
3		5150.000	23.597	34.889	58.486	-15.514	74.000	PEAK
4	*	5175.100	23.613	84.250	107.863	33.863	74.000	PEAK
5		5350.000	23.806	32.167	55.973	-18.027	74.000	PEAK
6		5460.000	23.958	31.913	55.871	-18.129	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/10/13**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 1 802.11n(20M)_5180MHz**

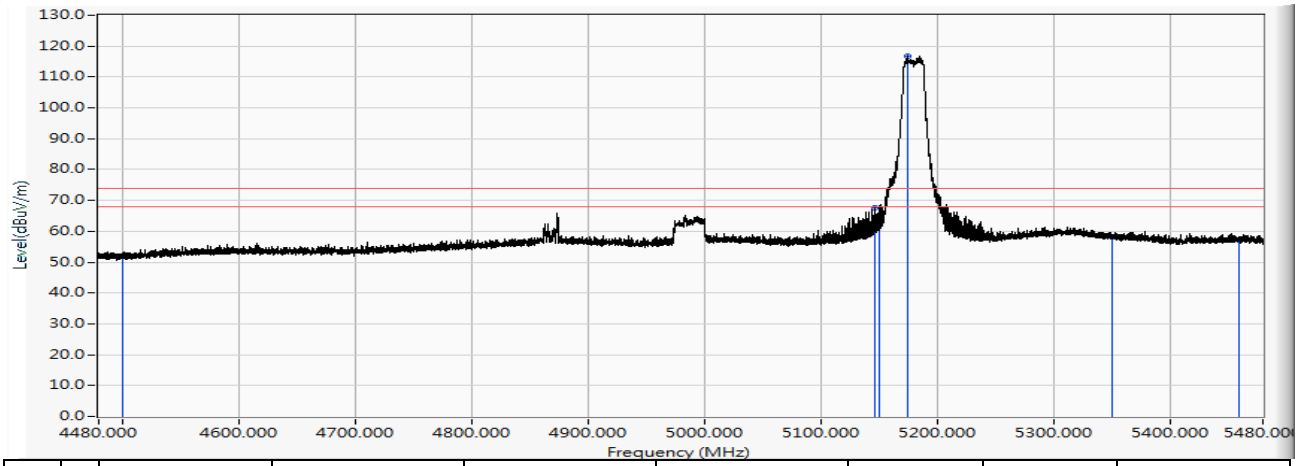


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	21.739	18.090	39.829	-14.171	54.000	AVERAGE
2		5148.600	23.596	20.306	43.902	-10.098	54.000	AVERAGE
3		5150.000	23.597	20.483	44.080	-9.920	54.000	AVERAGE
4	*	5175.000	23.613	70.415	94.028	40.028	54.000	AVERAGE
5		5350.000	23.806	20.225	44.031	-9.969	54.000	AVERAGE
6		5460.000	23.958	19.636	43.594	-10.406	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/10/13**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 1 802.11n(20M)_5180MHz**

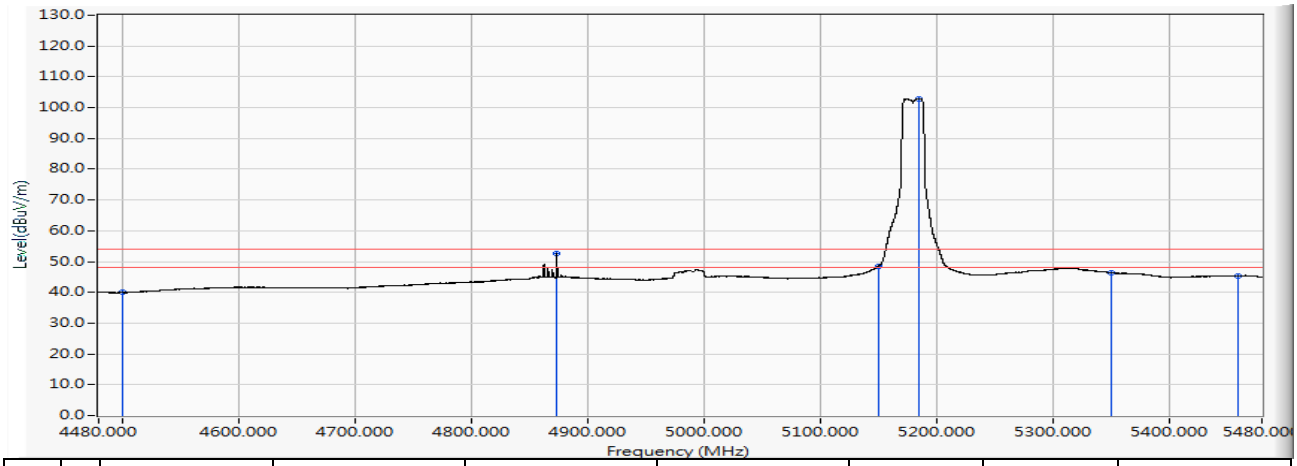


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	21.739	30.121	51.860	-22.140	74.000	PEAK
2		5146.500	23.595	44.131	67.726	-6.274	74.000	PEAK
3		5150.000	23.597	38.802	62.399	-11.601	74.000	PEAK
4	*	5175.100	23.613	93.096	116.709	42.709	74.000	PEAK
5		5350.000	23.806	34.455	58.261	-15.739	74.000	PEAK
6		5460.000	23.958	33.089	57.047	-16.953	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/10/13**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 1 802.11n(20M)_5180MHz**

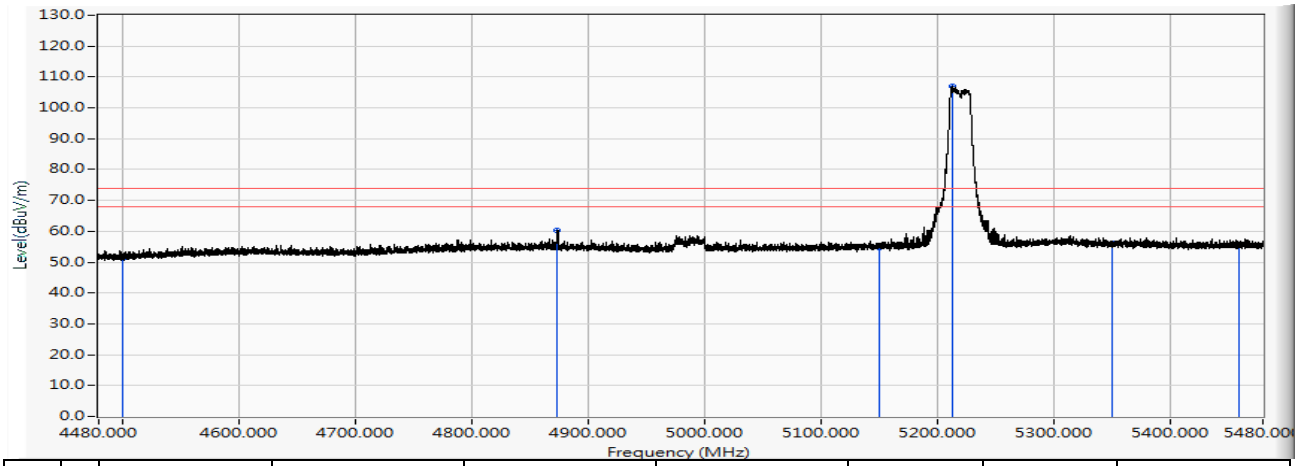


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	21.739	18.426	40.165	-13.835	54.000	AVERAGE
2		4874.000	23.381	29.412	52.793	-1.207	54.000	AVERAGE
3		5150.000	23.597	24.914	48.511	-5.489	54.000	AVERAGE
4	*	5184.900	23.619	79.306	102.925	48.925	54.000	AVERAGE
5		5350.000	23.806	22.462	46.268	-7.732	54.000	AVERAGE
6		5460.000	23.958	21.375	45.333	-8.667	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/10/13 -**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 1 802.11n(20M)_5220MHz**

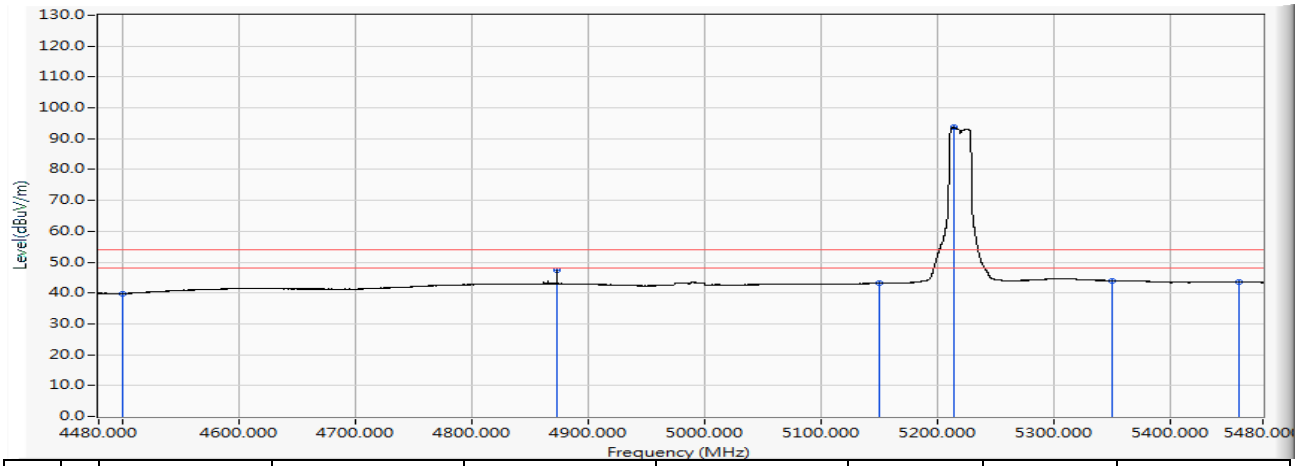


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	21.739	29.505	51.244	-22.756	74.000	PEAK
2		4873.900	23.381	37.017	60.398	-13.602	74.000	PEAK
3		5150.000	23.597	31.199	54.796	-19.204	74.000	PEAK
4	*	5212.900	23.634	83.383	107.018	33.018	74.000	PEAK
5		5350.000	23.806	32.470	56.276	-17.724	74.000	PEAK
6		5460.000	23.958	31.396	55.354	-18.646	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/10/13**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 1 802.11n(20M)_5220MHz**

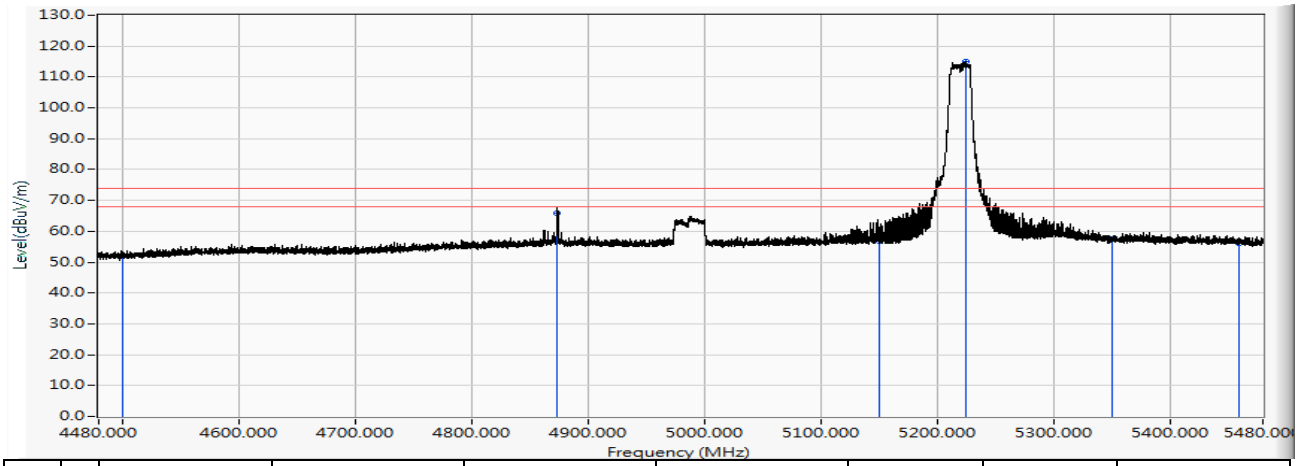


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	21.739	18.091	39.830	-14.170	54.000	AVERAGE
2		4873.700	23.380	23.892	47.272	-6.728	54.000	AVERAGE
3		5150.000	23.597	19.599	43.196	-10.804	54.000	AVERAGE
4	*	5214.400	23.635	69.980	93.615	39.615	54.000	AVERAGE
5		5350.000	23.806	20.187	43.993	-10.007	54.000	AVERAGE
6		5460.000	23.958	19.710	43.668	-10.332	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/10/14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 1 802.11n(20M)_5220MHz**

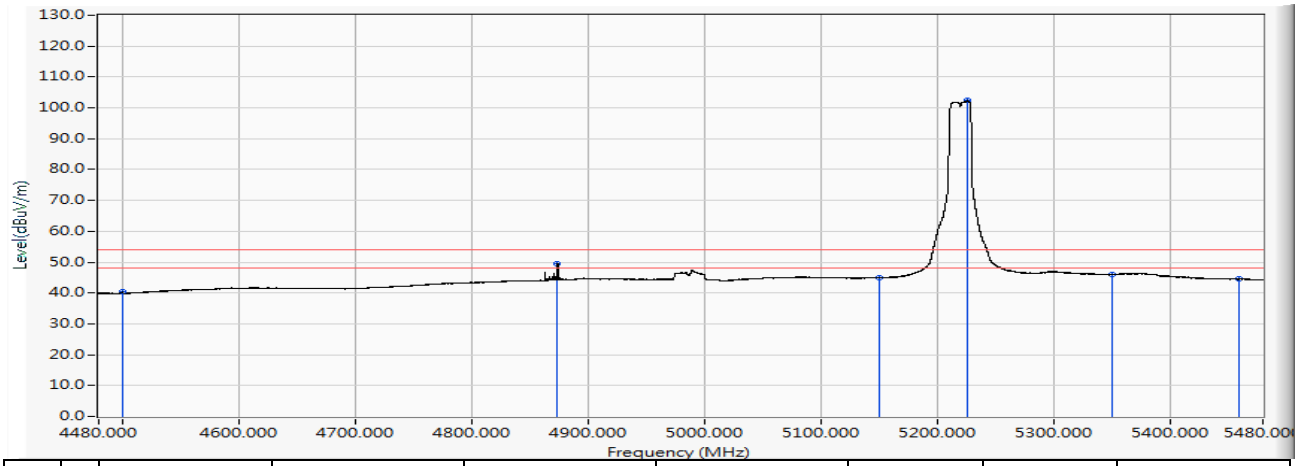


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	21.739	30.639	52.378	-21.622	74.000	PEAK
2		4874.100	23.381	42.657	66.038	-7.962	74.000	PEAK
3		5150.000	23.597	33.135	56.732	-17.268	74.000	PEAK
4	*	5224.500	23.640	91.273	114.914	40.914	74.000	PEAK
5		5350.000	23.806	33.644	57.450	-16.550	74.000	PEAK
6		5460.000	23.958	32.139	56.097	-17.903	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/10/13**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 1 802.11n(20M)_5220MHz**

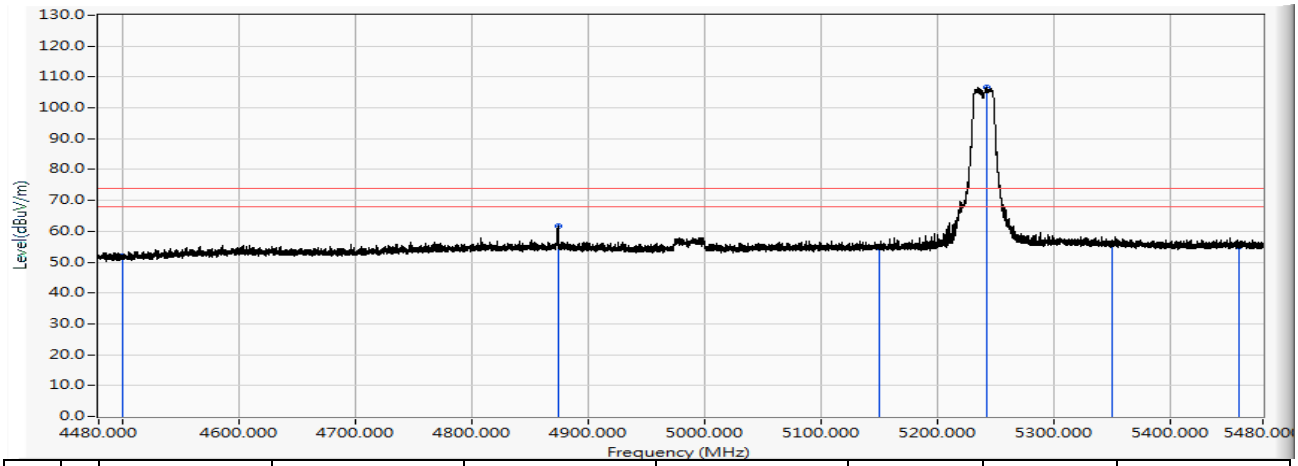


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	21.739	18.540	40.279	-13.721	54.000	AVERAGE
2		4874.200	23.380	26.009	49.390	-4.610	54.000	AVERAGE
3		5150.000	23.597	21.455	45.052	-8.948	54.000	AVERAGE
4	*	5226.700	23.642	78.669	102.311	48.311	54.000	AVERAGE
5		5350.000	23.806	22.134	45.940	-8.060	54.000	AVERAGE
6		5460.000	23.958	20.499	44.457	-9.543	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/10/14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 1 802.11n(20M)_5240MHz**

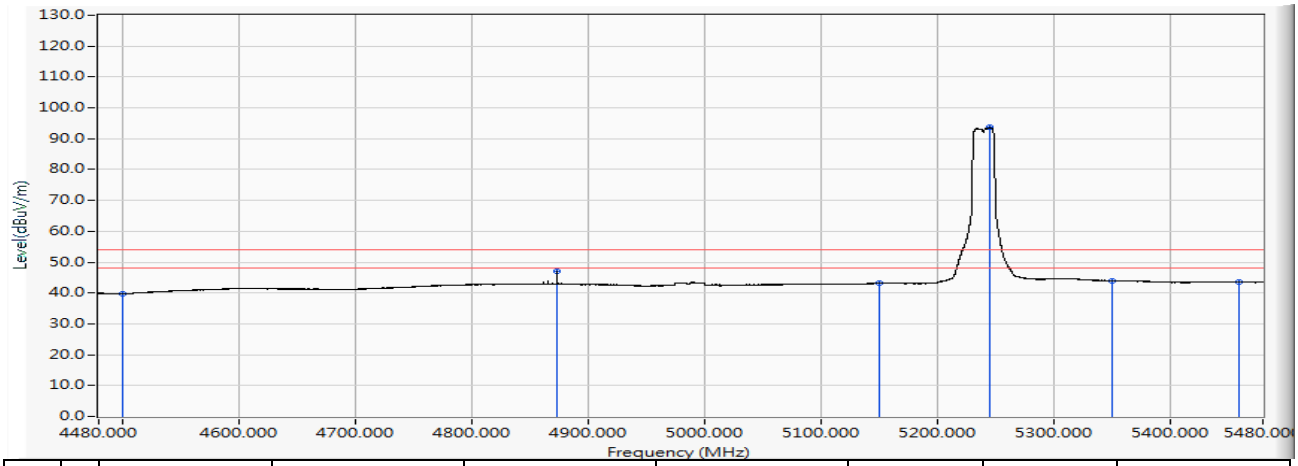


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	21.739	30.168	51.907	-22.093	74.000	PEAK
2		4874.400	23.381	38.152	61.533	-12.467	74.000	PEAK
3		5150.000	23.597	31.187	54.784	-19.216	74.000	PEAK
4	*	5242.700	23.650	83.140	106.790	32.790	74.000	PEAK
5		5350.000	23.806	32.057	55.863	-18.137	74.000	PEAK
6		5460.000	23.958	31.087	55.045	-18.955	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/10/14**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 1 802.11n(20M)_5240MHz**

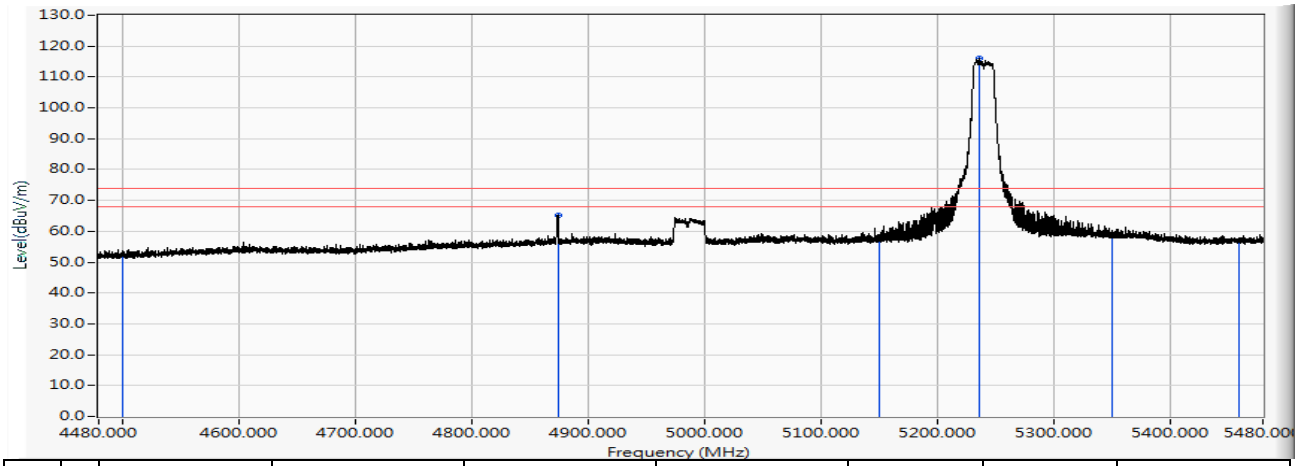


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	21.739	18.041	39.780	-14.220	54.000	AVERAGE
2		4873.600	23.380	23.781	47.161	-6.839	54.000	AVERAGE
3		5150.000	23.597	19.529	43.126	-10.874	54.000	AVERAGE
4	*	5245.800	23.652	69.981	93.633	39.633	54.000	AVERAGE
5		5350.000	23.806	20.163	43.969	-10.031	54.000	AVERAGE
6		5460.000	23.958	19.582	43.540	-10.460	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/10/13**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 1 802.11n(20M)_5240MHz**

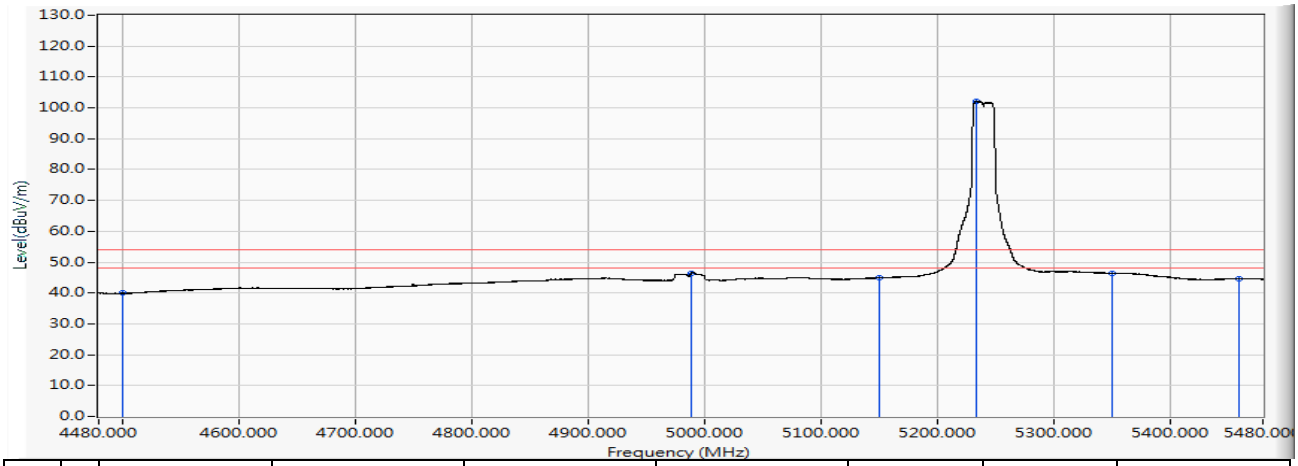


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	21.739	30.408	52.147	-21.853	74.000	PEAK
2		4874.300	23.381	41.846	65.227	-8.773	74.000	PEAK
3		5150.000	23.597	34.155	57.752	-16.248	74.000	PEAK
4	*	5236.100	23.646	92.309	115.956	41.956	74.000	PEAK
5		5350.000	23.806	34.761	58.567	-15.433	74.000	PEAK
6		5460.000	23.958	32.757	56.715	-17.285	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/10/13**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 1 802.11n(20M)_5240MHz**

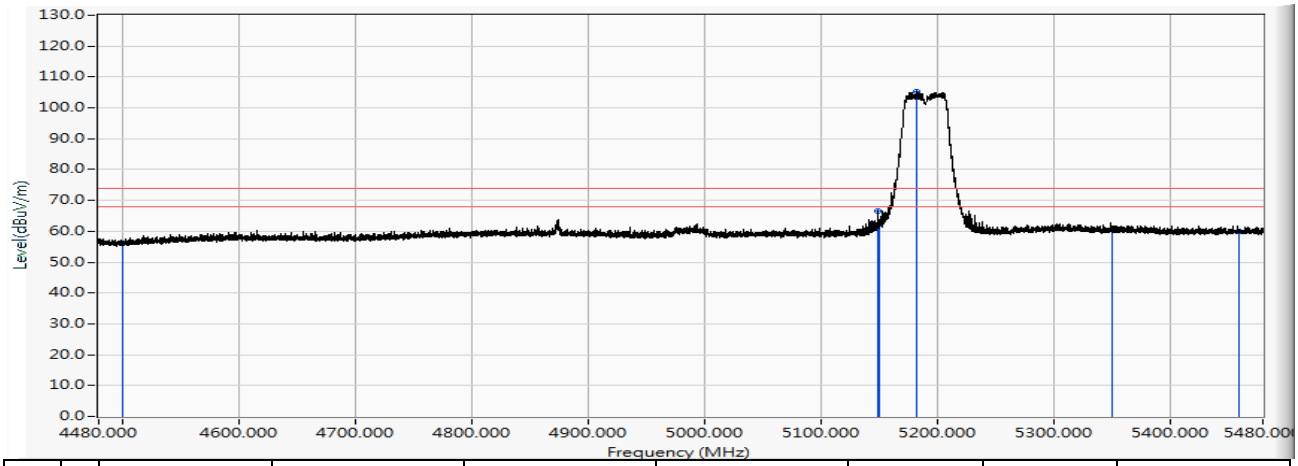


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	21.739	18.343	40.082	-13.918	54.000	AVERAGE
2		4988.800	23.514	22.909	46.423	-7.577	54.000	AVERAGE
3		5150.000	23.597	21.320	44.917	-9.083	54.000	AVERAGE
4	*	5233.700	23.645	78.598	102.243	48.243	54.000	AVERAGE
5		5350.000	23.806	22.506	46.312	-7.688	54.000	AVERAGE
6		5460.000	23.958	20.594	44.552	-9.448	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/10/14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 1 802.11n(40M)_5190MHz**

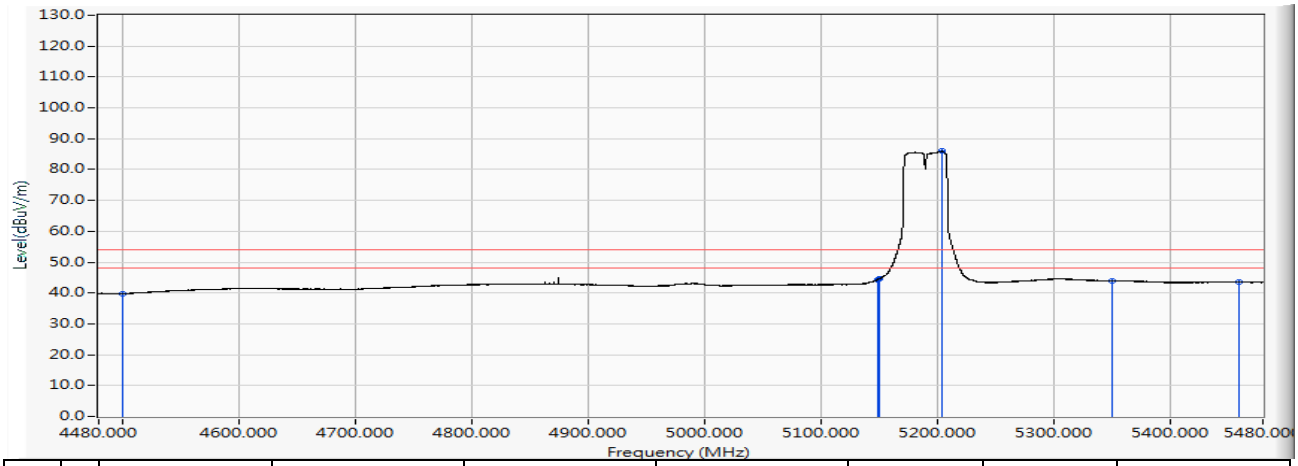


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	21.739	34.396	56.135	-17.865	74.000	PEAK
2		5148.700	23.596	42.970	66.566	-7.434	74.000	PEAK
3		5150.000	23.597	38.704	62.301	-11.699	74.000	PEAK
4	*	5182.200	23.618	81.692	105.309	31.309	74.000	PEAK
5		5350.000	23.806	36.987	60.793	-13.207	74.000	PEAK
6		5460.000	23.958	36.109	60.067	-13.933	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/10/14**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 1 802.11n(40M)_5190MHz**

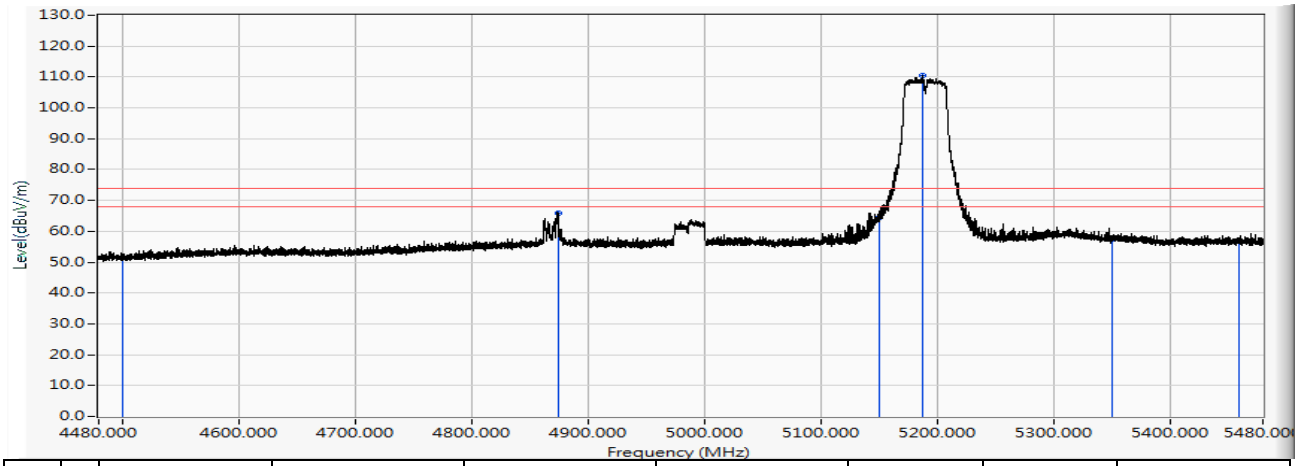


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	21.739	17.963	39.702	-14.298	54.000	AVERAGE
2		5148.600	23.596	20.720	44.316	-9.684	54.000	AVERAGE
3		5150.000	23.597	20.955	44.552	-9.448	54.000	AVERAGE
4	*	5204.700	23.631	62.315	85.945	31.945	54.000	AVERAGE
5		5350.000	23.806	20.100	43.906	-10.094	54.000	AVERAGE
6		5460.000	23.958	19.537	43.495	-10.505	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/10/14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 1 802.11n(40M)_5190MHz**

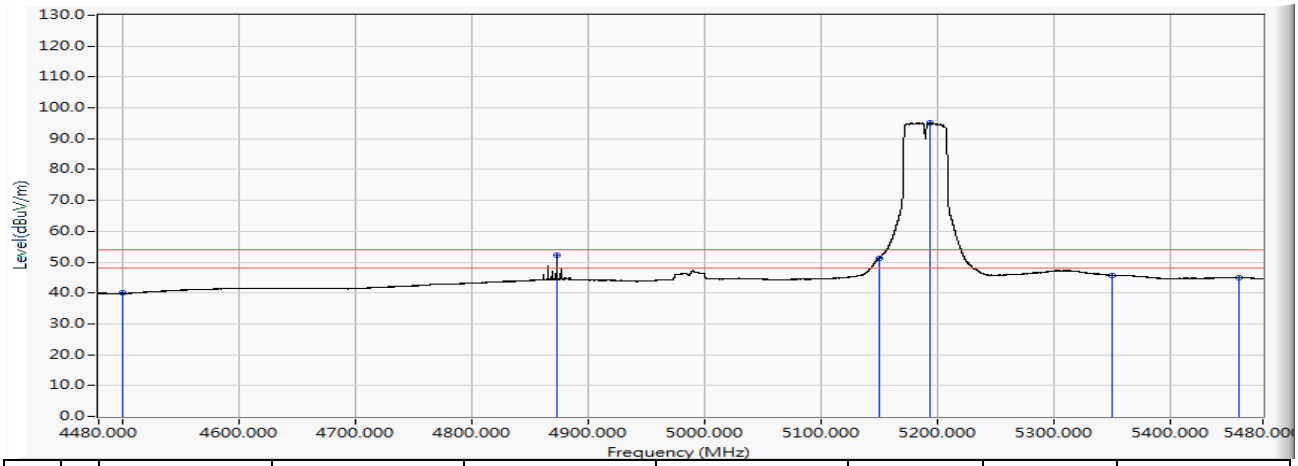


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	21.739	29.706	51.445	-22.555	74.000	PEAK
2		4874.300	23.381	42.321	65.702	-8.298	74.000	PEAK
3		5150.000	23.597	40.792	64.389	-9.611	74.000	PEAK
4	*	5187.700	23.620	86.710	110.331	36.331	74.000	PEAK
5		5350.000	23.806	33.628	57.434	-16.566	74.000	PEAK
6		5460.000	23.958	32.936	56.894	-17.106	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/10/14**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 1 802.11n(40M)_5190MHz**

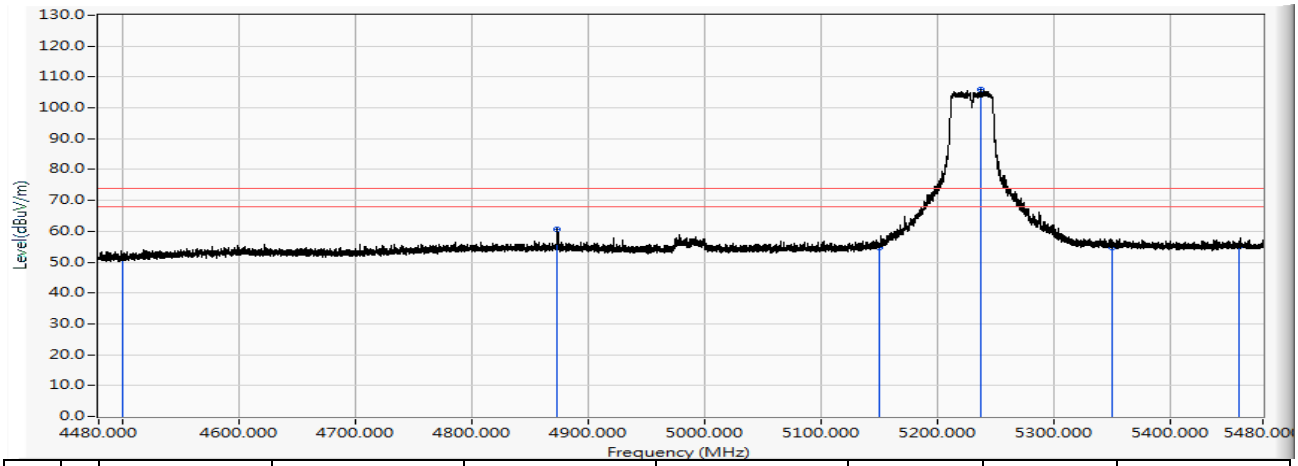


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	21.739	18.277	40.016	-13.984	54.000	AVERAGE
2		4873.100	23.379	28.938	52.318	-1.682	54.000	AVERAGE
3		5150.000	23.597	27.514	51.111	-2.889	54.000	AVERAGE
4	*	5193.800	23.625	71.602	95.226	41.226	54.000	AVERAGE
5		5350.000	23.806	21.953	45.759	-8.241	54.000	AVERAGE
6		5460.000	23.958	21.077	45.035	-8.965	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/10/14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 1 802.11n(40M)_5230MHz**

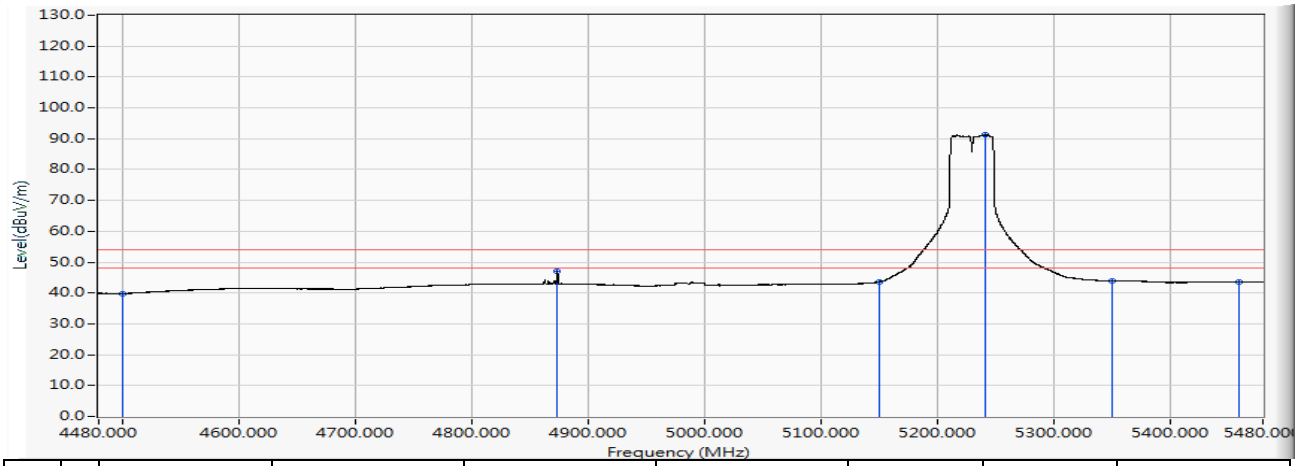


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	21.739	29.988	51.727	-22.273	74.000	PEAK
2		4874.000	23.381	37.227	60.608	-13.392	74.000	PEAK
3		5150.000	23.597	31.156	54.753	-19.247	74.000	PEAK
4	*	5237.400	23.647	82.319	105.966	31.966	74.000	PEAK
5		5350.000	23.806	30.748	54.554	-19.446	74.000	PEAK
6		5460.000	23.958	31.235	55.193	-18.807	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/10/14**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 1 802.11n(40M)_5230MHz**

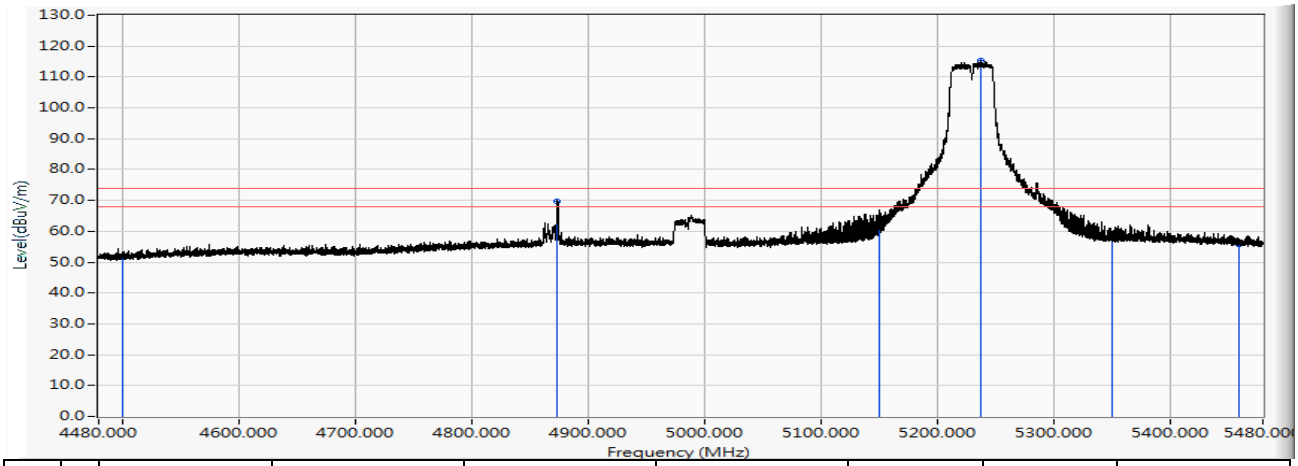


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	21.739	18.032	39.771	-14.229	54.000	AVERAGE
2		4873.800	23.381	23.766	47.146	-6.854	54.000	AVERAGE
3		5150.000	23.597	19.968	43.565	-10.435	54.000	AVERAGE
4	*	5241.900	23.649	67.617	91.267	37.267	54.000	AVERAGE
5		5350.000	23.806	20.132	43.938	-10.062	54.000	AVERAGE
6		5460.000	23.958	19.661	43.619	-10.381	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/10/14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 1 802.11n(40M)_5230MHz**

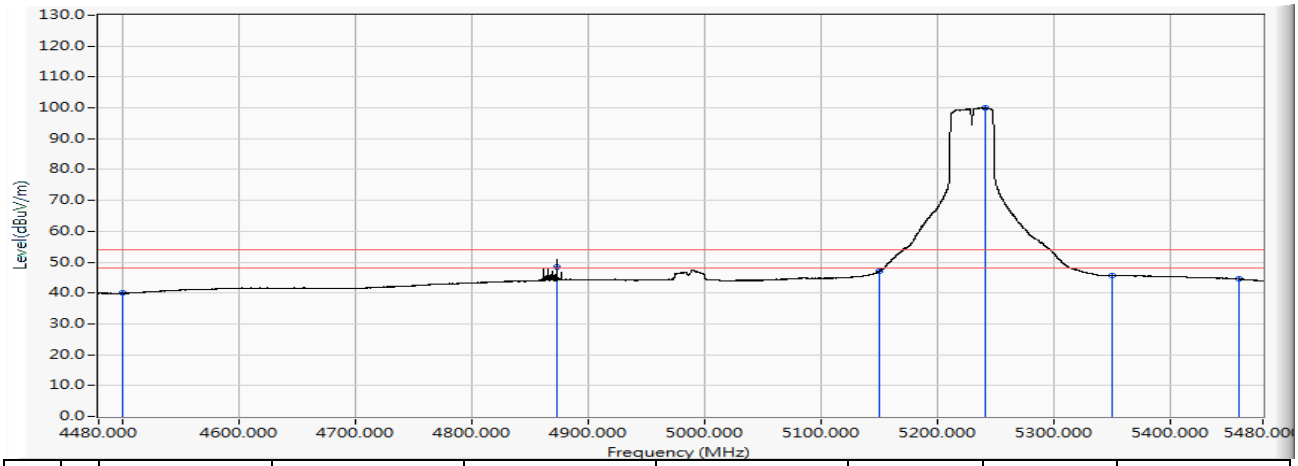


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	21.739	30.132	51.871	-22.129	74.000	PEAK
2		4873.800	23.381	46.399	69.779	-4.221	74.000	PEAK
3		5150.000	23.597	36.939	60.536	-13.464	74.000	PEAK
4	*	5237.800	23.647	91.582	115.230	41.230	74.000	PEAK
5		5350.000	23.806	35.377	59.183	-14.817	74.000	PEAK
6		5460.000	23.958	31.910	55.868	-18.132	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/10/14**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 1 802.11n(40M)_5230MHz**

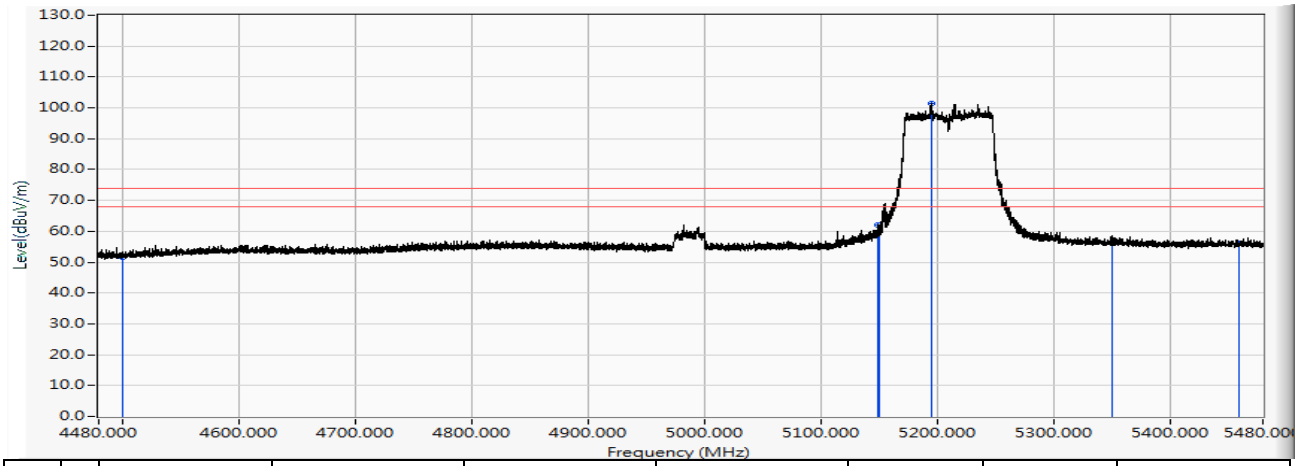


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	21.739	18.385	40.124	-13.876	54.000	AVERAGE
2		4873.800	23.381	25.040	48.420	-5.580	54.000	AVERAGE
3		5150.000	23.597	23.329	46.926	-7.074	54.000	AVERAGE
4	*	5241.700	23.649	76.441	100.091	46.091	54.000	AVERAGE
5		5350.000	23.806	21.726	45.532	-8.468	54.000	AVERAGE
6		5460.000	23.958	20.516	44.474	-9.526	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/11/04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 1 802.11ac(80M)_5210MHz**

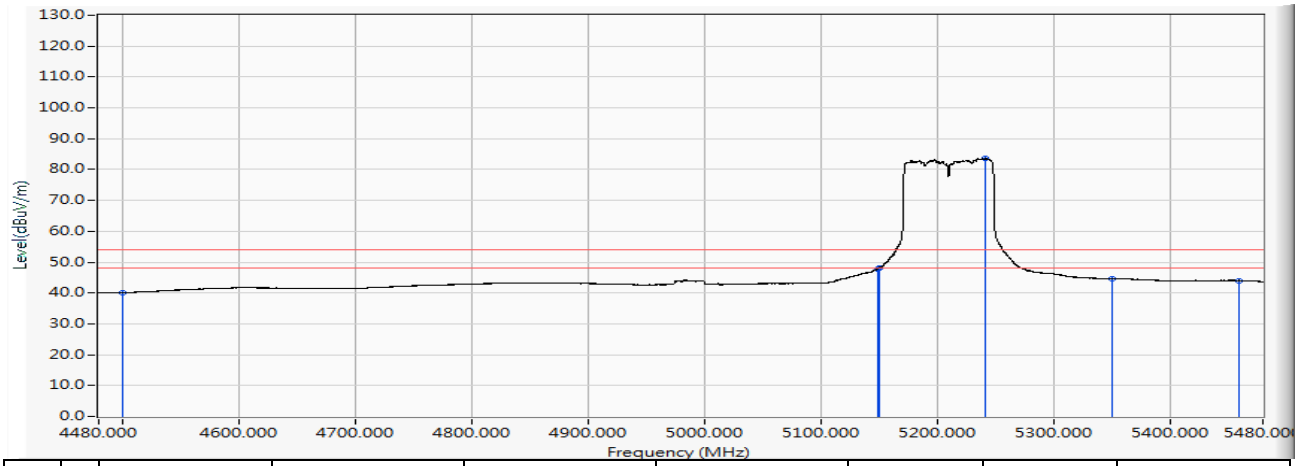


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	21.739	30.015	51.754	-22.246	74.000	PEAK
2		5149.200	23.596	38.524	62.120	-11.880	74.000	PEAK
3		5150.000	23.597	36.266	59.863	-14.137	74.000	PEAK
4	*	5195.400	23.625	77.965	101.590	27.590	74.000	PEAK
5		5350.000	23.806	32.756	56.562	-17.438	74.000	PEAK
6		5460.000	23.958	32.093	56.051	-17.949	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/11/04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 1 802.11ac(80M)_5210MHz**

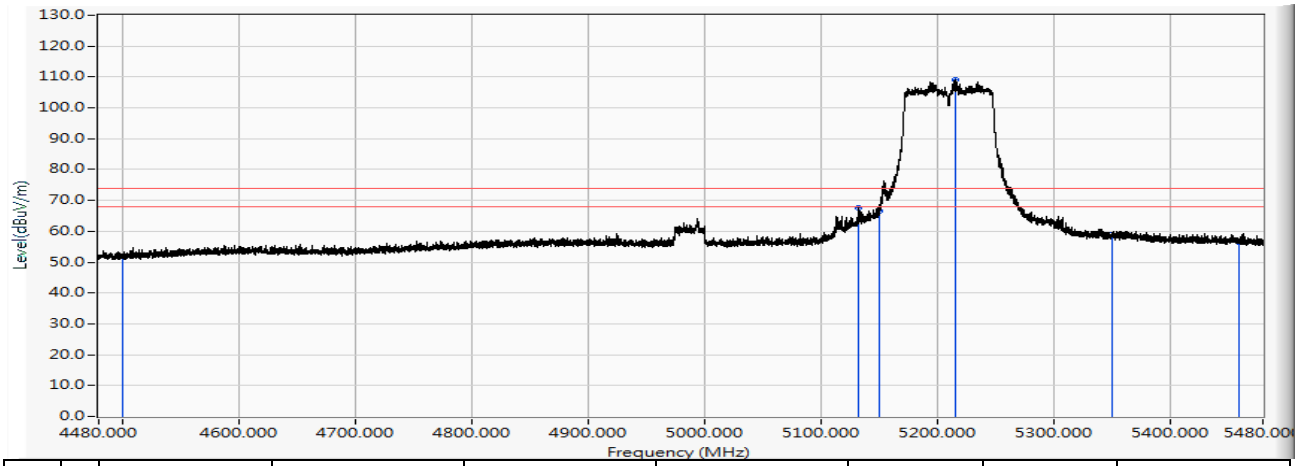


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	21.739	18.347	40.086	-13.914	54.000	AVERAGE
2		5148.600	23.596	24.024	47.620	-6.380	54.000	AVERAGE
3		5150.000	23.597	24.379	47.976	-6.024	54.000	AVERAGE
4	*	5241.900	23.649	60.165	83.815	29.815	54.000	AVERAGE
5		5350.000	23.806	20.897	44.703	-9.297	54.000	AVERAGE
6		5460.000	23.958	20.095	44.053	-9.947	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/11/04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 1 802.11ac(80M)_5210MHz**

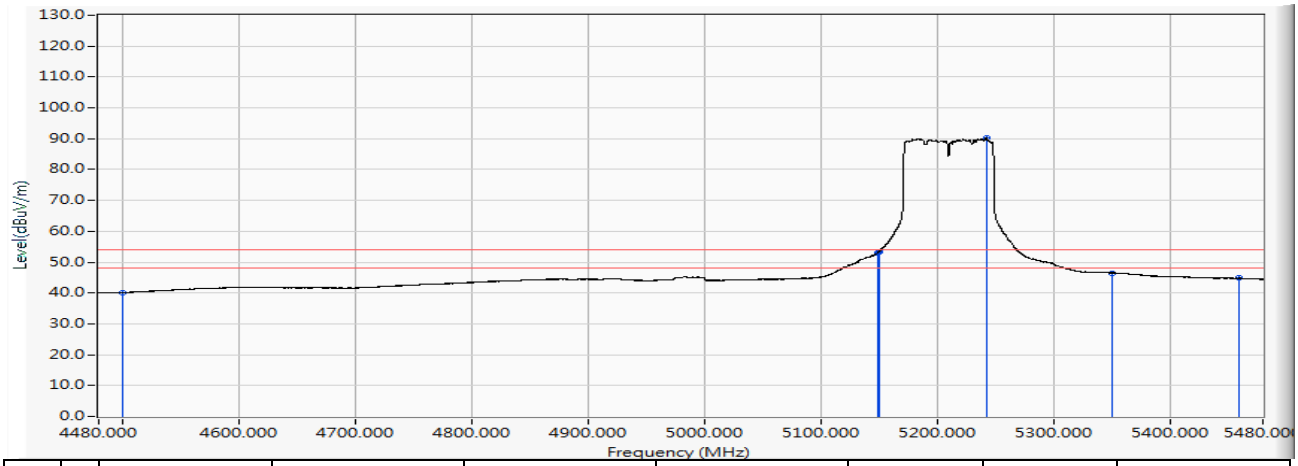


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	21.739	30.332	52.071	-21.929	74.000	PEAK
2		5133.200	23.586	43.912	67.498	-6.502	74.000	PEAK
3		5150.000	23.597	42.984	66.581	-7.419	74.000	PEAK
4	*	5215.400	23.635	85.418	109.054	35.054	74.000	PEAK
5		5350.000	23.806	35.069	58.875	-15.125	74.000	PEAK
6		5460.000	23.958	32.429	56.387	-17.613	74.000	PEAK

Note:

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

Site : CB2-H	**Time : 2017/11/04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Broadband Router	**Note : Mode 2: TX MIMO_ADP 1 802.11ac(80M)_5210MHz**

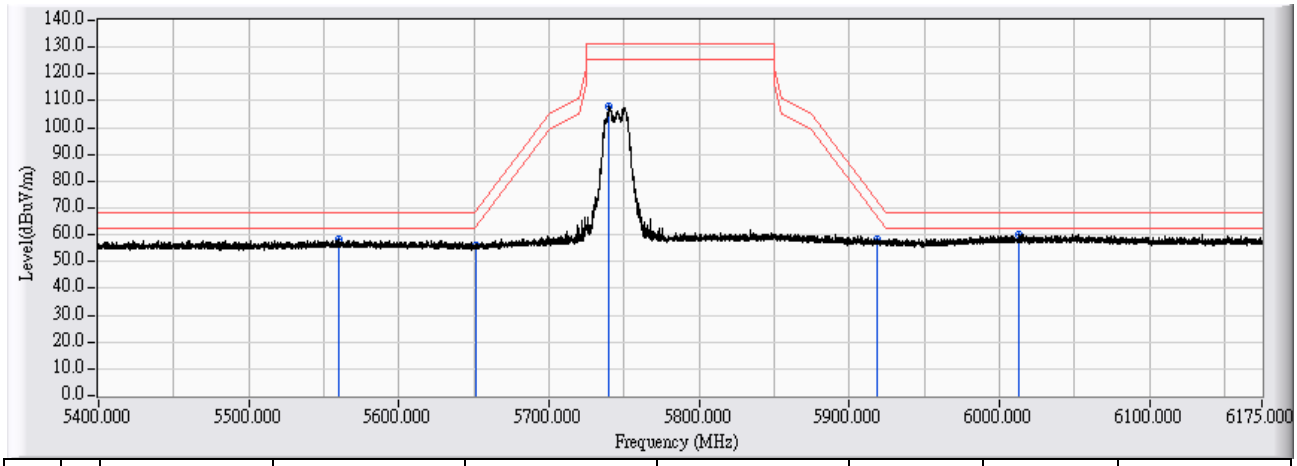


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	21.739	18.413	40.152	-13.848	54.000	AVERAGE
2		5148.600	23.596	29.266	52.862	-1.138	54.000	AVERAGE
3		5150.000	23.597	29.774	53.371	-0.629	54.000	AVERAGE
4	*	5242.200	23.650	66.636	90.286	36.286	54.000	AVERAGE
5		5350.000	23.806	22.704	46.510	-7.490	54.000	AVERAGE
6		5460.000	23.958	20.850	44.808	-9.192	54.000	AVERAGE

Note:

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

Site : CB2-H	**Time : 2017/09/15**
Limit : FCC_Part15E_2016_B4_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 CDD_ADP 1 802.11a_5745MHz**

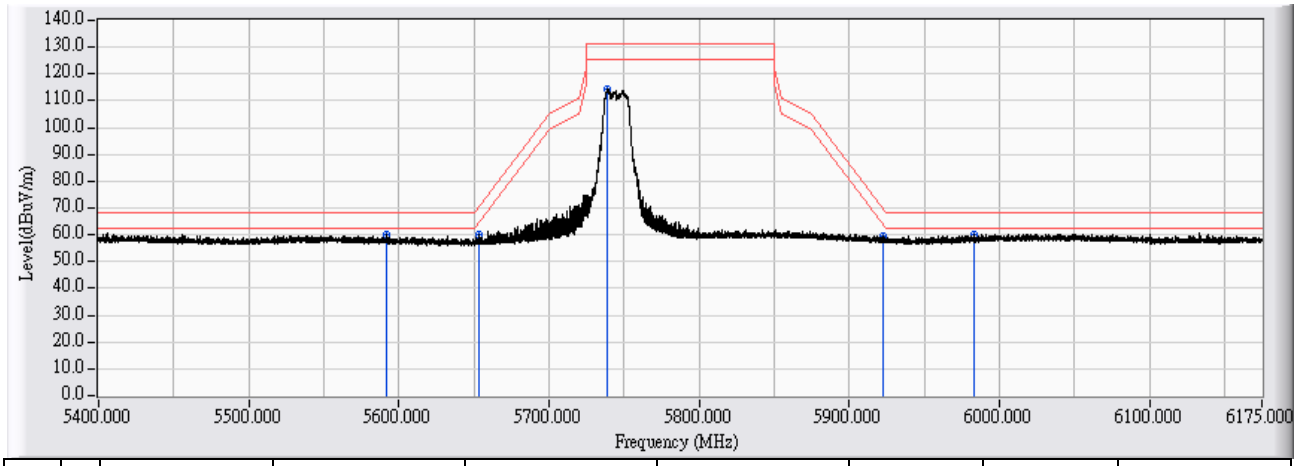


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5560.099	24.197	33.968	58.165	-10.035	68.200	PEAK
2		5651.075	24.458	31.670	56.128	-12.871	68.999	PEAK
3		5740.269	24.699	82.944	107.643	-23.557	131.200	PEAK
4		5918.268	25.224	32.934	58.158	-15.005	73.163	PEAK
5	*	6012.809	25.509	34.651	60.161	-8.039	68.200	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/15**
Limit : FCC_Part15E_2016_B4_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 CDD_ADP 1 802.11a_5745MHz**

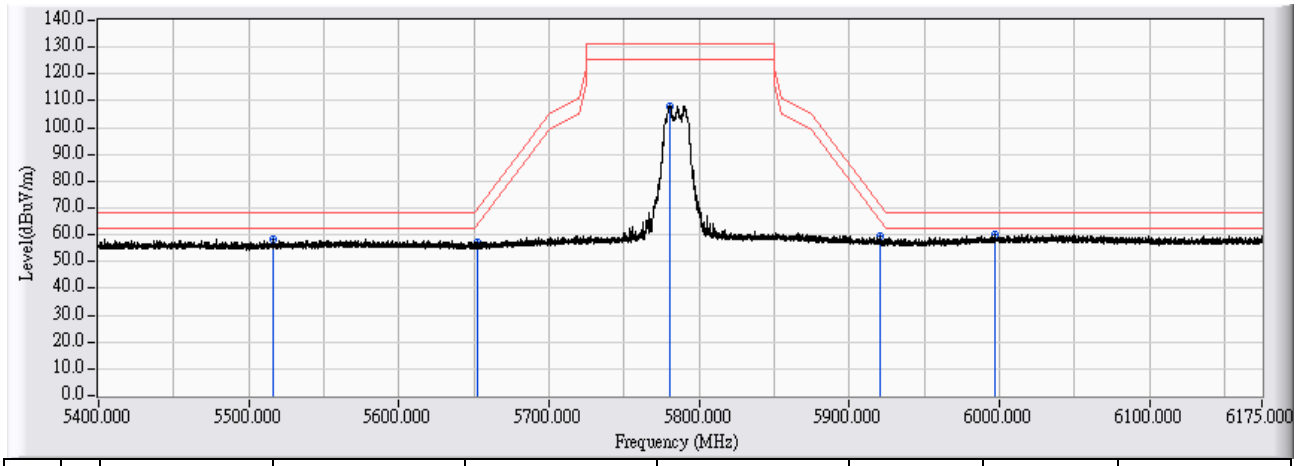


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5591.561	24.287	35.692	59.980	-8.220	68.200	PEAK
2		5653.090	24.464	35.731	60.194	-10.302	70.496	PEAK
3		5739.029	24.696	89.870	114.566	-16.634	131.200	PEAK
4		5922.763	25.237	34.260	59.497	-10.352	69.849	PEAK
5		5983.362	25.399	34.441	59.840	-8.360	68.200	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/15**
Limit : FCC_Part15E_2016_B4_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 CDD_ADP 1 802.11a_5785MHz**

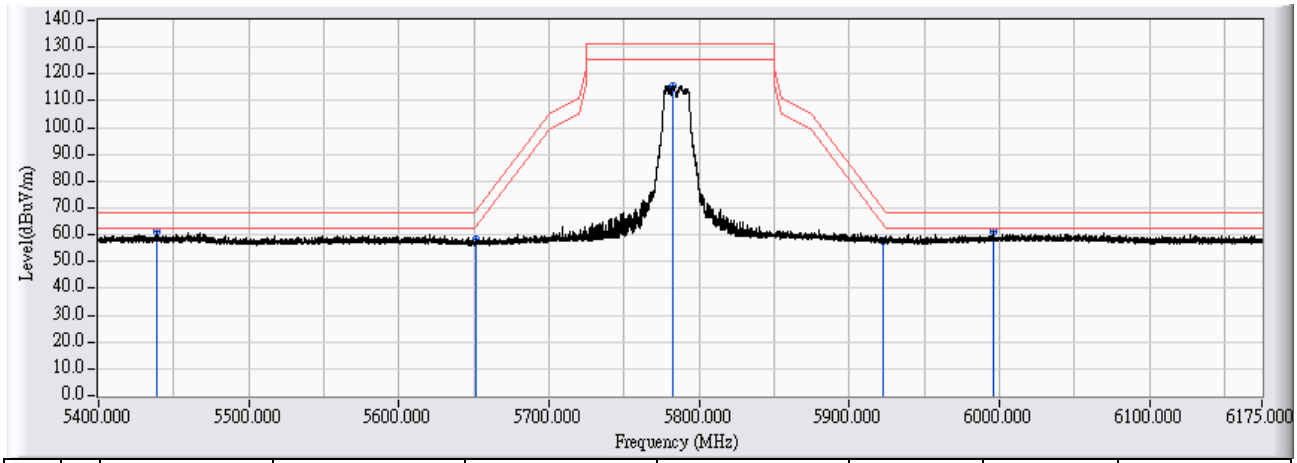


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5516.238	24.067	34.370	58.436	-9.764	68.200	PEAK
2		5652.315	24.461	32.722	57.183	-12.737	69.920	PEAK
3		5780.564	24.795	83.322	108.117	-23.083	131.200	PEAK
4		5920.206	25.230	34.001	59.231	-12.503	71.734	PEAK
5	*	5997.388	25.442	34.467	59.910	-8.290	68.200	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/15**
Limit : FCC_Part15E_2016_B4_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 CDD_ADP 1 802.11a_5785MHz**

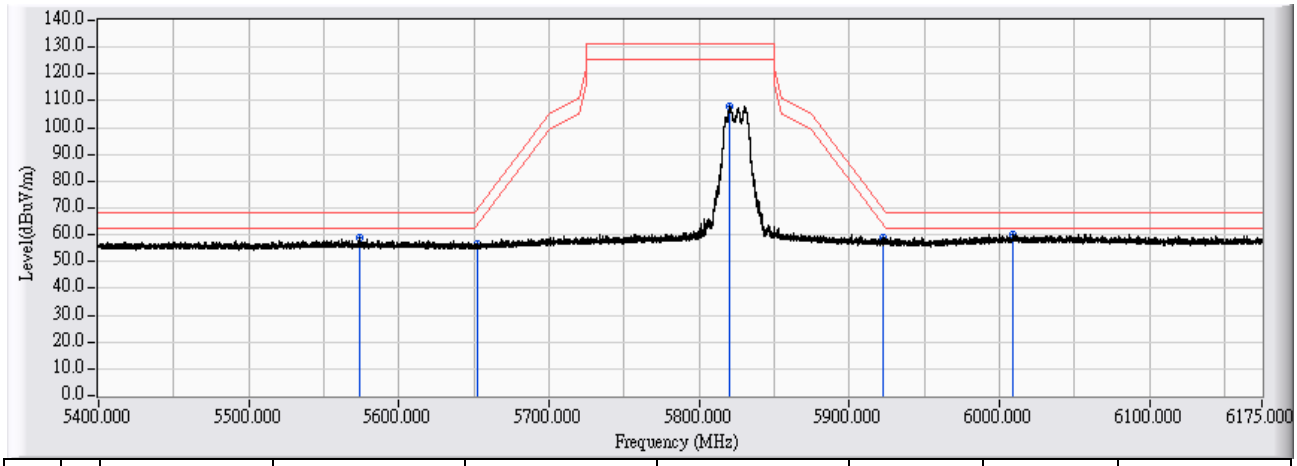


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5439.211	23.930	37.427	61.357	-6.843	68.200	PEAK
2		5651.540	24.460	33.770	58.229	-11.115	69.344	PEAK
3		5782.657	24.800	90.819	115.619	-15.581	131.200	PEAK
4		5922.143	25.235	32.610	57.845	-12.461	70.306	PEAK
5		5996.148	25.439	35.601	61.040	-7.160	68.200	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/15**
Limit : FCC_Part15E_2016_B4_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 CDD_ADP 1 802.11a_5825MHz**

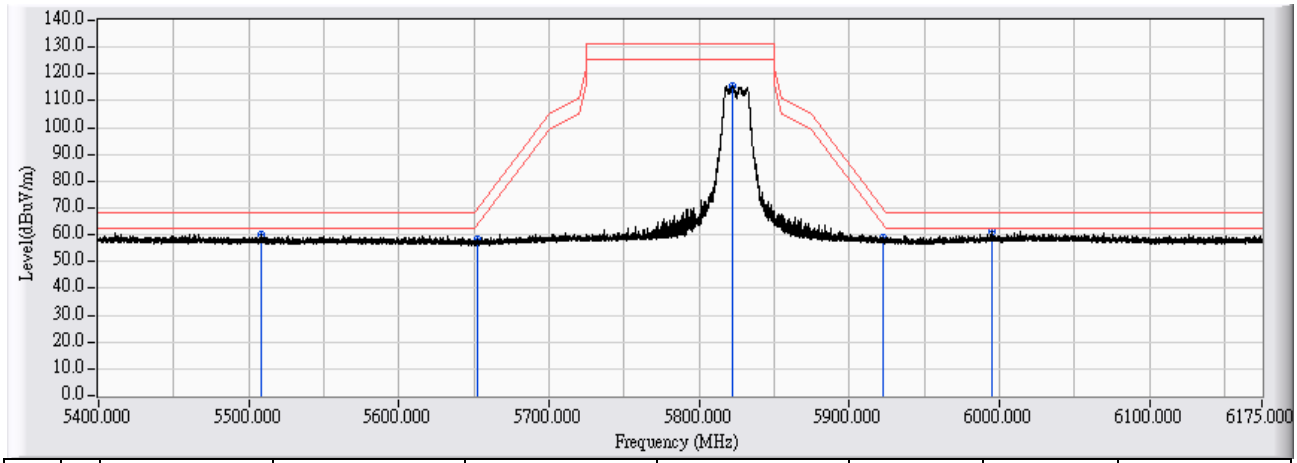


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5573.660	24.236	34.409	58.645	-9.555	68.200	PEAK
2		5652.160	24.461	31.932	56.393	-13.412	69.805	PEAK
3		5820.783	24.901	83.091	107.992	-23.208	131.200	PEAK
4		5923.073	25.238	33.459	58.696	-10.924	69.620	PEAK
5	*	6008.702	25.492	34.780	60.272	-7.928	68.200	PEAK

Note:

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

Site : CB2-H	**Time : 2017/09/15**
Limit : FCC_Part15E_2016_B4_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 CDD_ADP 1 802.11a_5825MHz**

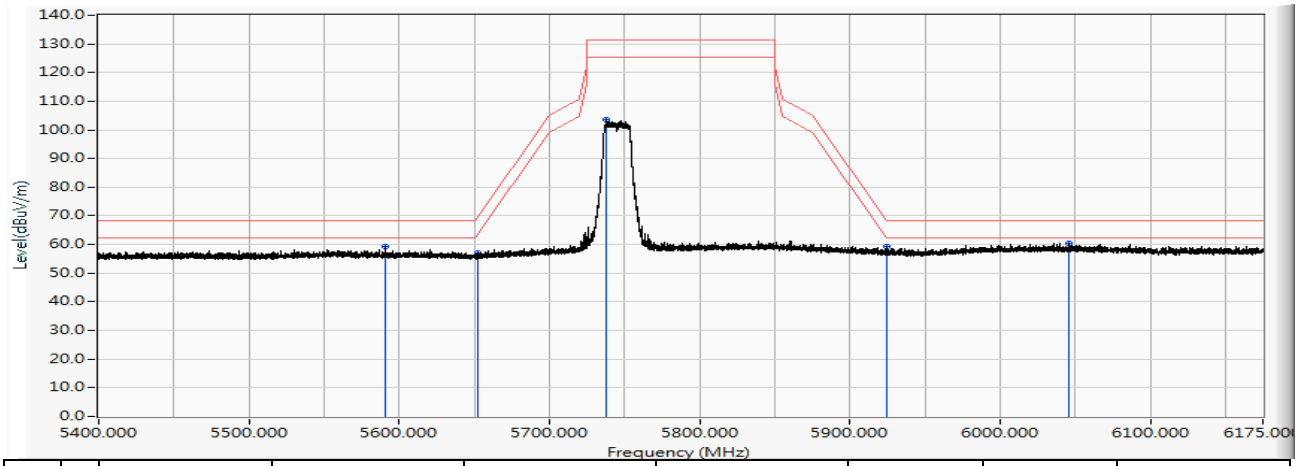


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5508.644	24.044	36.100	60.144	-8.056	68.200	PEAK
2		5652.392	24.461	33.997	58.459	-11.519	69.978	PEAK
3		5822.333	24.906	90.635	115.542	-15.658	131.200	PEAK
4		5922.685	25.237	33.594	58.830	-11.076	69.906	PEAK
5	*	5994.986	25.435	35.751	61.186	-7.014	68.200	PEAK

Note:

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

Site : CB2-H	**Time : 2017/10/14**
Limit : FCC_Part15E_2016_B4_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 1 802.11n(20M)_5745MHz**

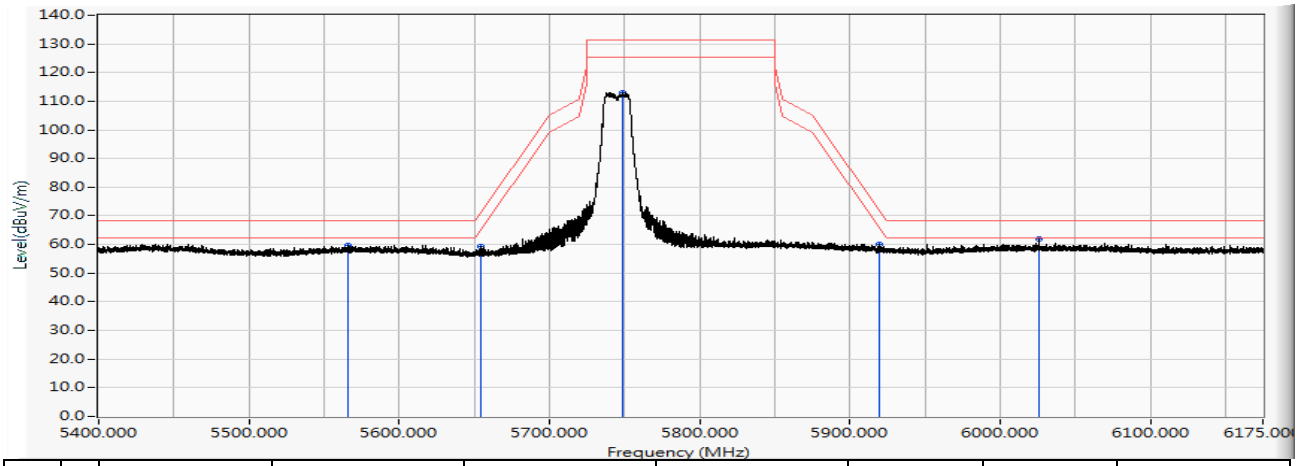


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5591.038	24.286	34.909	59.195	-9.005	68.200	PEAK
2		5652.418	24.461	32.493	56.955	-13.042	69.997	PEAK
3		5737.900	24.693	78.785	103.479	-27.721	131.200	PEAK
4		5924.133	25.240	34.097	59.337	-9.502	68.839	PEAK
5	*	6045.420	25.657	34.832	60.490	-7.710	68.200	PEAK

Note:

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

Site : CB2-H	**Time : 2017/10/14**
Limit : FCC_Part15E_2016_B4_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 1 802.11n(20M)_5745MHz**

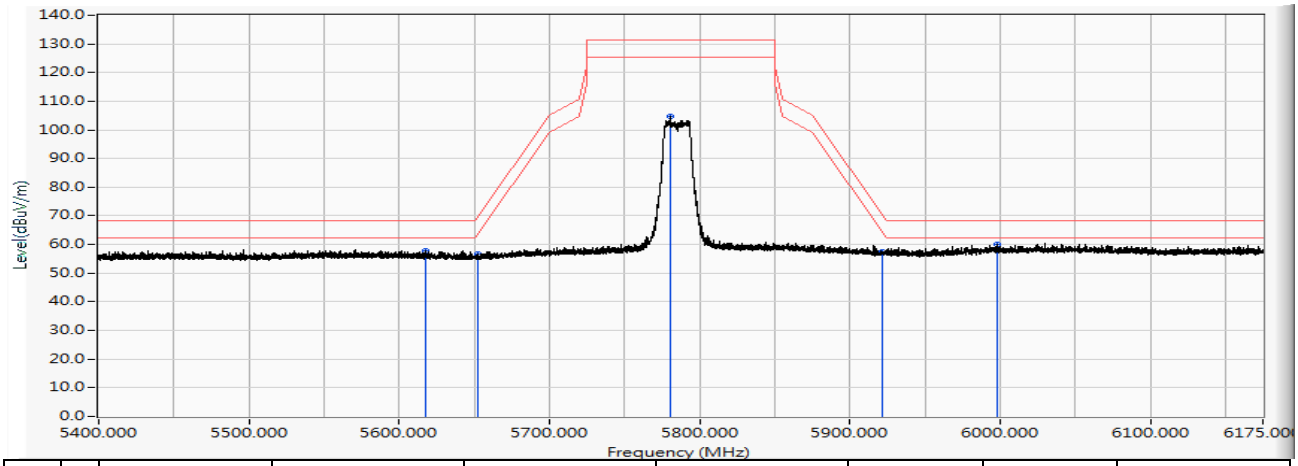


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5566.083	24.214	35.650	59.864	-8.336	68.200	PEAK
2		5654.123	24.466	34.834	59.300	-11.963	71.263	PEAK
3		5748.905	24.720	88.403	113.123	-18.077	131.200	PEAK
4		5919.250	25.228	34.764	59.991	-12.448	72.439	PEAK
5	*	6025.735	25.568	36.451	62.019	-6.181	68.200	PEAK

Note:

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

Site : CB2-H	**Time : 2017/10/14**
Limit : FCC_Part15E_2016_B4_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 1 02.11n(20M)_5785MHz**

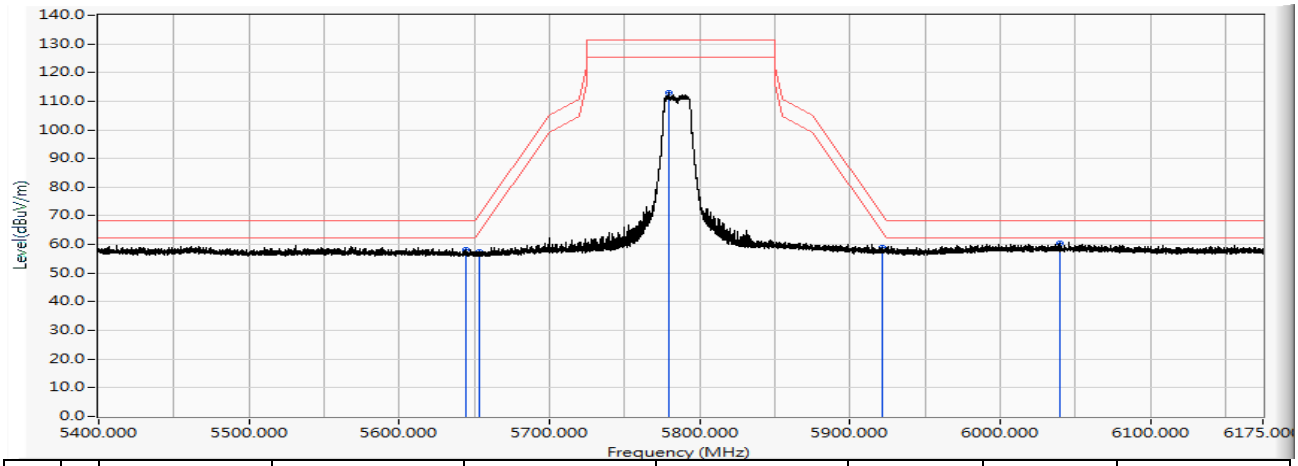


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5617.465	24.362	33.321	57.684	-10.516	68.200	PEAK
2		5652.263	24.461	32.090	56.551	-13.331	69.882	PEAK
3		5780.060	24.793	79.836	104.629	-26.571	131.200	PEAK
4		5921.188	25.232	32.318	57.550	-13.460	71.010	PEAK
5	*	5997.990	25.444	34.534	59.979	-8.221	68.200	PEAK

Note:

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

Site : CB2-H	**Time : 2017/10/14**
Limit : FCC_Part15E_2016_B4_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 1 802.11n(20M)_5785MHz**

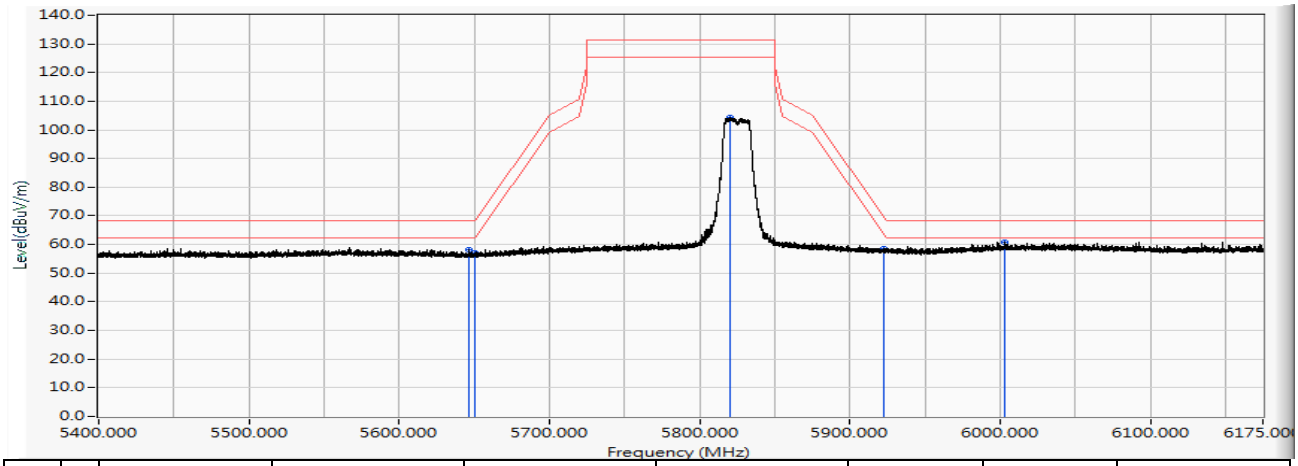


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5644.280	24.439	33.873	58.312	-9.888	68.200	PEAK
2		5653.580	24.465	33.088	57.553	-13.307	70.860	PEAK
3		5779.828	24.793	88.200	112.993	-18.207	131.200	PEAK
4		5921.653	25.233	33.666	58.900	-11.767	70.667	PEAK
5	*	6039.918	25.633	34.793	60.426	-7.774	68.200	PEAK

Note:

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

Site : CB2-H	**Time : 2017/10/14**
Limit : FCC_Part15E_2016_B4_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 1 802.11n(20M)_5825MHz**

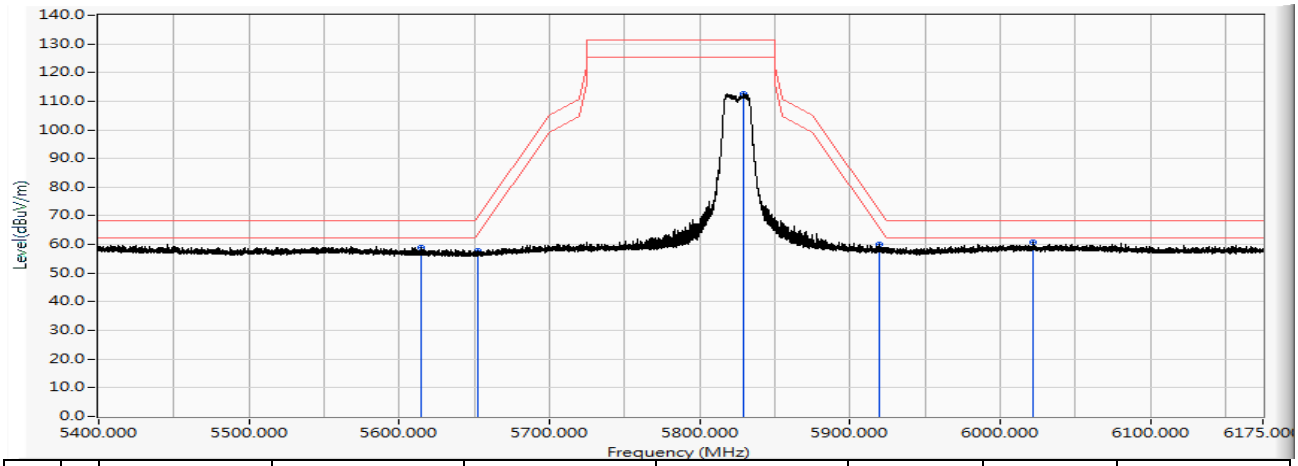


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5646.838	24.446	33.858	58.304	-9.896	68.200	PEAK
2		5650.558	24.456	32.778	57.234	-11.381	68.615	PEAK
3		5819.895	24.899	79.494	104.392	-26.808	131.200	PEAK
4		5922.428	25.236	33.457	58.693	-11.403	70.096	PEAK
5	*	6003.415	25.469	35.308	60.776	-7.424	68.200	PEAK

Note:

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

Site : CB2-H	**Time : 2017/10/14**
Limit : FCC_Part15E_2016_B4_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 1 802.11n(20M)_5825MHz**

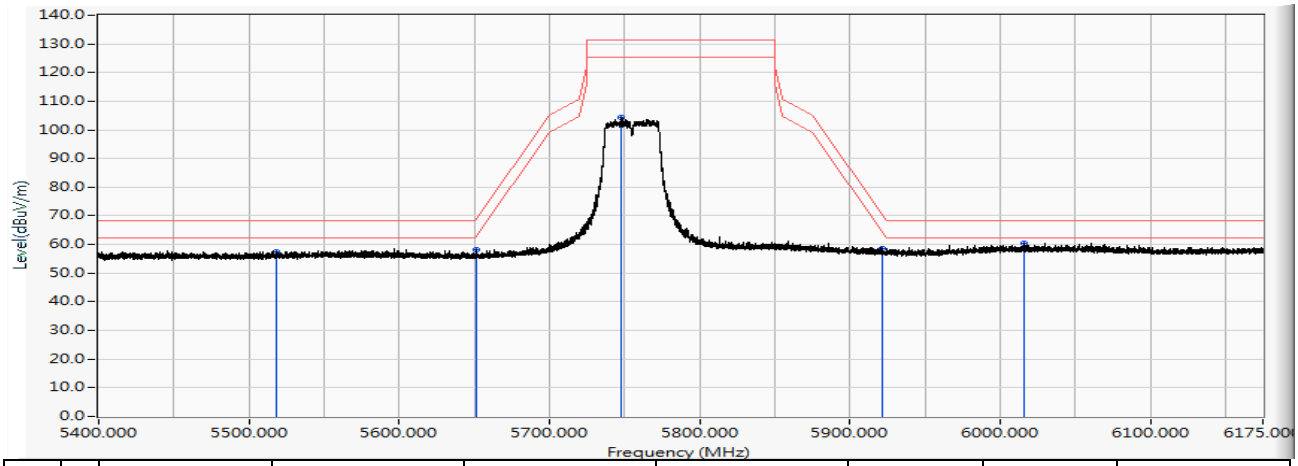


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5615.063	24.355	34.545	58.901	-9.299	68.200	PEAK
2		5652.030	24.461	33.191	57.652	-12.057	69.709	PEAK
3		5829.505	24.932	87.741	112.673	-18.527	131.200	PEAK
4		5919.328	25.228	34.686	59.913	-12.469	72.382	PEAK
5	*	6021.783	25.550	35.343	60.893	-7.307	68.200	PEAK

Note:

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

Site : CB2-H	**Time : 2017/10/14**
Limit : FCC_Part15E_2016_B4_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 1 802.11n(40M)_5755MHz**

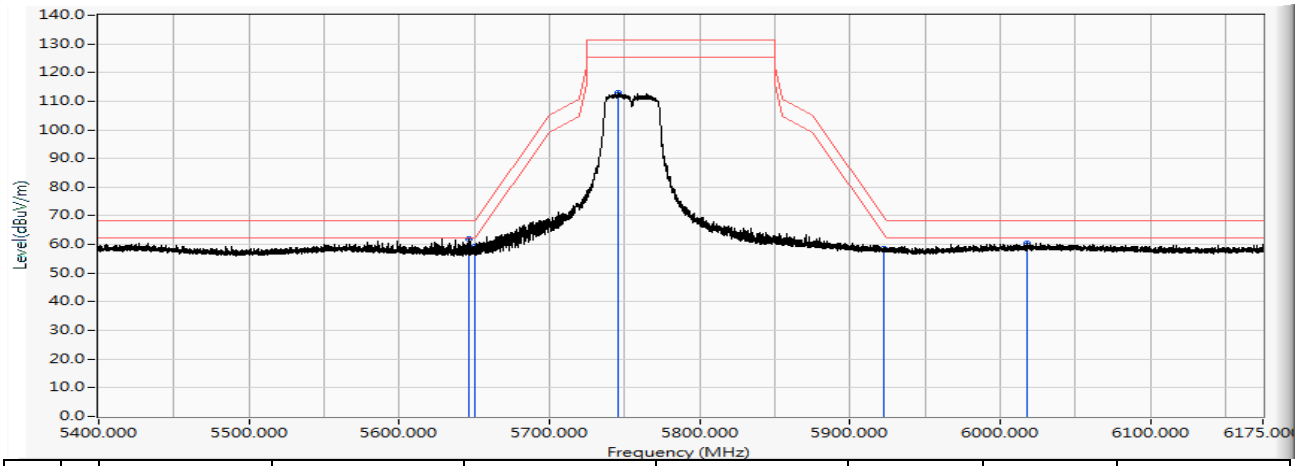


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5518.498	24.073	33.505	57.578	-10.622	68.200	PEAK
2		5651.255	24.458	33.617	58.075	-11.057	69.133	PEAK
3		5748.208	24.719	79.619	104.337	-26.863	131.200	PEAK
4		5921.885	25.233	33.456	58.690	-11.806	70.496	PEAK
5	*	6016.125	25.525	34.869	60.393	-7.807	68.200	PEAK

Note:

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

Site : CB2-H	**Time : 2017/10/14**
Limit : FCC_Part15E_2016_B4_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 1 802.11n(40M)_5755MHz**

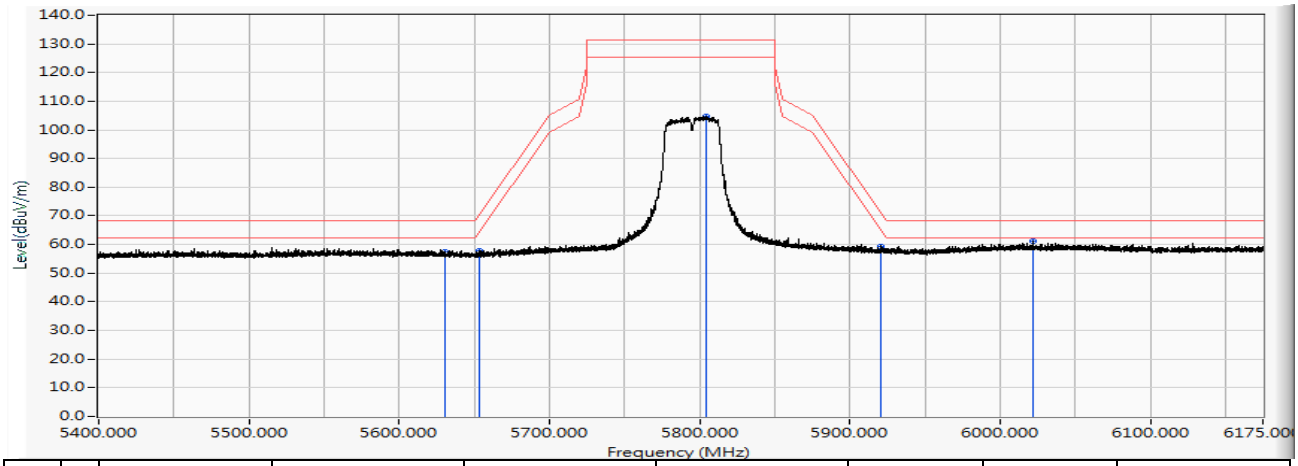


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5646.373	24.444	37.352	61.797	-6.403	68.200	PEAK
2		5650.170	24.455	34.836	59.291	-9.035	68.326	PEAK
3		5746.115	24.713	88.251	112.965	-18.235	131.200	PEAK
4		5922.195	25.236	33.467	58.702	-11.565	70.267	PEAK
5		6017.753	25.531	34.848	60.380	-7.820	68.200	PEAK

Note:

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

Site : CB2-H	**Time : 2017/10/14**
Limit : FCC_Part15E_2016_B4_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 1 802.11n(40M)_5795MHz**

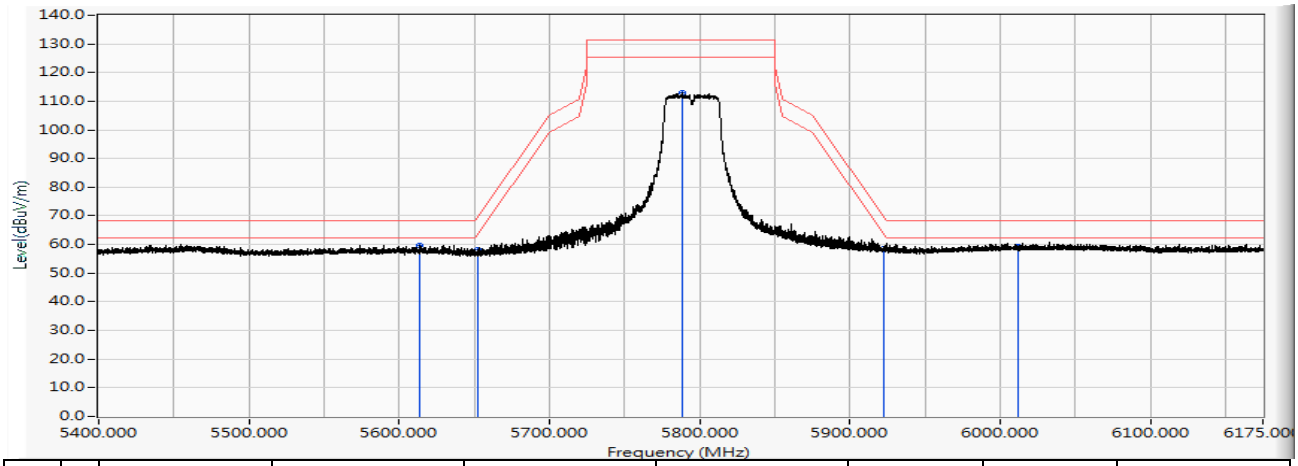


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5630.175	24.399	33.105	57.504	-10.696	68.200	PEAK
2		5652.883	24.462	33.192	57.655	-12.687	70.342	PEAK
3		5804.085	24.849	79.885	104.735	-26.465	131.200	PEAK
4		5920.413	25.231	34.145	59.375	-12.206	71.581	PEAK
5	*	6022.248	25.553	35.635	61.187	-7.013	68.200	PEAK

Note:

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

Site : CB2-H	**Time : 2017/10/14**
Limit : FCC_Part15E_2016_B4_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 1 802.11n(40M)_5795MHz**

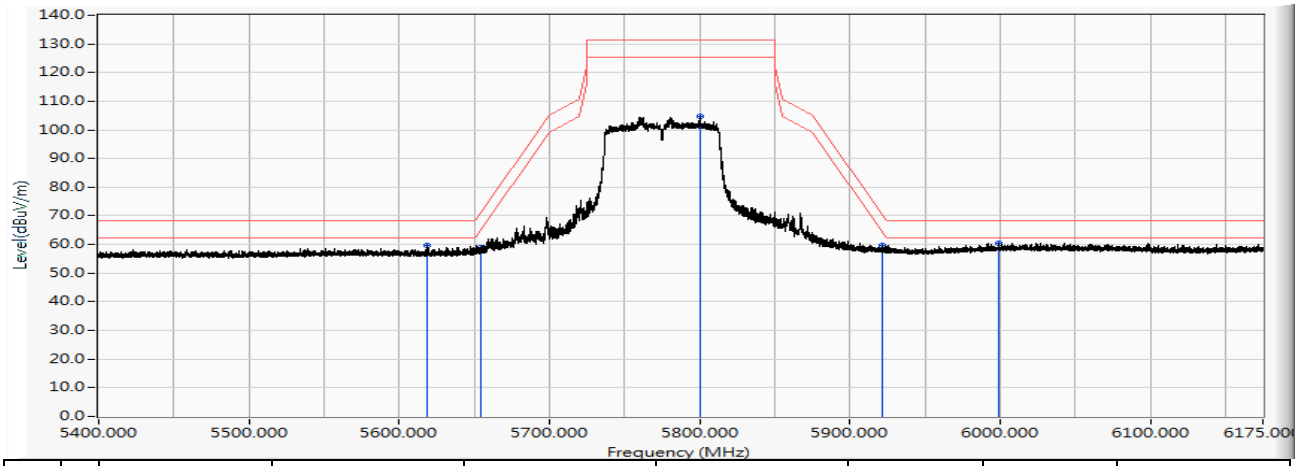


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5613.435	24.350	35.437	59.788	-8.412	68.200	PEAK
2		5651.953	24.461	33.810	58.270	-11.381	69.651	PEAK
3		5788.740	24.814	87.984	112.798	-18.402	131.200	PEAK
4		5922.195	25.236	33.398	58.633	-11.634	70.267	PEAK
5		6011.630	25.504	33.927	59.431	-8.769	68.200	PEAK

Note:

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

Site : CB2-H	**Time : 2017/11/04**
Limit : FCC_Part15E_2016_B4_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 1 802.11ac(80M)_5775MHz**

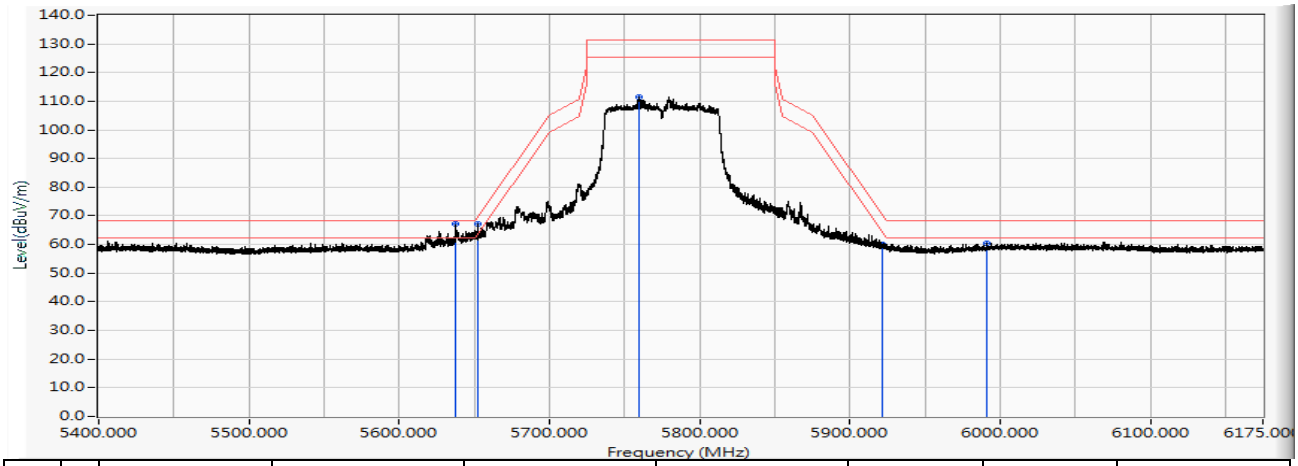


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5618.240	24.365	35.253	59.618	-8.582	68.200	PEAK
2		5654.588	24.468	34.424	58.892	-12.717	71.609	PEAK
3		5800.210	24.840	79.723	104.564	-26.636	131.200	PEAK
4		5921.963	25.234	34.288	59.522	-10.916	70.438	PEAK
5	*	5999.463	25.451	34.950	60.401	-7.799	68.200	PEAK

Note:

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

Site : CB2-H	**Time : 2017/11/04**
Limit : FCC_Part15E_2016_B4_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 1 802.11ac(80M)_5775MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5637.848	24.421	42.678	67.099	-1.101	68.200	PEAK
2		5652.573	24.462	42.637	67.099	-3.013	70.112	PEAK
3		5759.988	24.746	86.746	111.492	-19.708	131.200	PEAK
4		5921.963	25.234	34.668	59.902	-10.536	70.438	PEAK
5		5991.170	25.423	35.038	60.461	-7.739	68.200	PEAK

Note:

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

8. Frequency Stability

8.1. Test Equipment

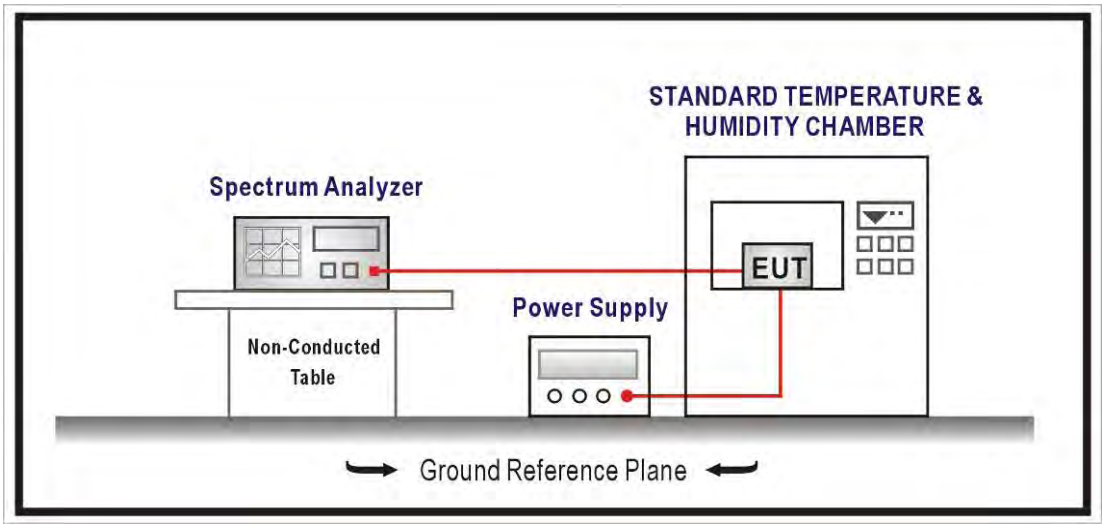
The following test equipment are used during the radiated emission tests:

Frequency Stability / 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
Pulse Power Sensor	Anritsu	MA2411B	1531043	2017/01/20	2018/01/19
Pulse Power Sensor	Anritsu	MA2411B	1531044	2017/01/20	2018/01/19

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

8.2. Test Setup



8.3. Limits

Manufactures of all devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified

8.4. Test Procedure

The EUT was setup to ANSI C63.10: 2013; tested to U-NII test procedure of 789033 D02 V01R02 for compliance to FCC 47CFR Subpart E requirements.

8.5. Uncertainty

The measurement uncertainty is defined as ± 150 Hz

8.6. Test Result

Product	Gigabit Broadband Router		
Test Item	Frequency Stability		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/11/23	Test Site	SR10-H

IEEE 802.11n(20MHz) - 5180MHz (Ant 0)

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5180.026153	5.048928348	Pass
-10		5180.019027	3.673255444	Pass
0		5179.97272	-5.266485847	Pass
10		5179.994916	-0.981378732	Pass
20		5179.971687	-5.465815299	Pass
30		5179.983164	-3.250159352	Pass
40		5179.944031	-10.8048139	Pass
50		5179.9716	-5.482618543	Pass

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5179.994352	-1.090297565	Pass
	120	5180.007315	1.412188795	Pass
	138	5179.998155	-0.356141543	Pass

Product	Gigabit Broadband Router		
Test Item	Frequency Stability		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/11/23	Test Site	SR10-H

IEEE 802.11n(20MHz) - 5240MHz (Ant 0)

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5240.021674	4.136176127	Pass
-10		5240.015901	3.034631187	Pass
0		5239.98927	-2.04776056	Pass
10		5239.968287	-6.05202668	Pass
20		5239.99545	-0.868269776	Pass
30		5239.978741	-4.057152802	Pass
40		5239.940601	-11.33566772	Pass
50		5239.980822	-3.659952276	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5239.999314	-0.130848756	Pass
	120	5239.996548	-0.658859063	Pass
	138	5239.996405	-0.685993375	Pass

Product	Gigabit Broadband Router		
Test Item	Frequency Stability		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/11/23	Test Site	SR10-H

IEEE 802.11n(20MHz) - 5180MHz (Ant 1)

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5180.017523	3.382816784	Pass
-10		5180.005338	1.030441965	Pass
0		5179.999325	-0.130240994	Pass
10		5179.99346	-1.262472174	Pass
20		5179.968334	-6.113134577	Pass
30		5179.983756	-3.135859258	Pass
40		5179.952852	-9.102017549	Pass
50		5179.964708	-6.813160574	Pass

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5179.998168	-0.353609035	Pass
	120	5179.985898	-2.722471542	Pass
	138	5180.00809	1.561785969	Pass

Product	Gigabit Broadband Router		
Test Item	Frequency Stability		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/11/23	Test Site	SR10-H

IEEE 802.11n(20MHz) - 5240MHz (Ant 1)

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5240.019107	3.646333278	Pass
-10		5240.010515	2.006705944	Pass
0		5239.986352	-2.604585088	Pass
10		5239.975801	-4.618170421	Pass
20		5239.956033	-8.390609428	Pass
30		5239.966161	-6.457859945	Pass
40		5239.944072	-10.67323137	Pass
50		5239.9659	-6.507707857	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5239.995871	-0.788055981	Pass
	120	5239.999608	-0.074883105	Pass
	138	5239.999509	-0.093694776	Pass

Product	Gigabit Broadband Router		
Test Item	Frequency Stability		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/11/23	Test Site	SR10-H

IEEE 802.11n(40MHz) - 5190MHz (Ant 0)

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5190.0163	3.1366	Pass
-10		5190.0103	1.9862	Pass
0		5189.9962	-0.7314	Pass
10		5189.9786	-4.1144	Pass
20		5189.9565	-8.3898	Pass
30		5189.9994	-0.1227	Pass
40		5189.9648	-6.7833	Pass
50		5189.9696	-5.8491	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5190.0038	0.7288	Pass
	120	5190.0039	0.7521	Pass
	138	5190.0030	0.5739	Pass

Product	Gigabit Broadband Router		
Test Item	Frequency Stability		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/11/23	Test Site	SR10-H

IEEE 802.11n(40MHz) -5230MHz (Ant 0)

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5230.0020	0.3737	Pass
-10		5230.0126	2.4126	Pass
0		5229.9864	-2.6070	Pass
10		5229.9618	-7.3005	Pass
20		5229.9861	-2.6614	Pass
30		5229.9617	-7.3157	Pass
40		5229.9672	-6.2642	Pass
50		5229.9369	-12.0641	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5230.0061	1.1747	Pass
	120	5230.0034	0.6415	Pass
	138	5229.9995	-0.0862	Pass

Product	Gigabit Broadband Router		
Test Item	Frequency Stability		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/11/23	Test Site	SR10-H

IEEE 802.11n(40MHz) - 5190MHz (Ant 1)

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5190.0299	5.7565	Pass
-10		5190.0170	3.2699	Pass
0		5189.9722	-5.3552	Pass
10		5189.9884	-2.2365	Pass
20		5189.9502	-9.6044	Pass
30		5189.9581	-8.0794	Pass
40		5189.9525	-9.1498	Pass
50		5189.9834	-3.1989	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5190.0046	0.8951	Pass
	120	5189.9937	-1.2070	Pass
	138	5189.9996	-0.0731	Pass

Product	Gigabit Broadband Router		
Test Item	Frequency Stability		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/11/23	Test Site	SR10-H

IEEE 802.11n(40MHz) -5230MHz (Ant 1)

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5230.0020	0.3801	Pass
-10		5230.0161	3.0821	Pass
0		5229.9965	-0.6754	Pass
10		5229.9775	-4.3022	Pass
20		5229.9731	-5.1404	Pass
30		5229.9624	-7.1871	Pass
40		5229.9727	-5.2130	Pass
50		5229.9776	-4.2860	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5230.0042	0.7968	Pass
	120	5230.0022	0.4145	Pass
	138	5229.9986	-0.2729	Pass

Product	Gigabit Broadband Router		
Test Item	Frequency Stability		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/11/23	Test Site	SR10-H

IEEIEEE802.11ac(80MHz) -5210MHz (Ant 0)

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5210.0137	2.6271	Pass
-10		5210.0090	1.7216	Pass
0		5209.9844	-2.9951	Pass
10		5209.9861	-2.6625	Pass
20		5209.9971	-0.5470	Pass
30		5209.9617	-7.3543	Pass
40		5209.9825	-3.3597	Pass
50		5209.9572	-8.2131	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5210.0041	0.7835	Pass
	120	5209.9875	-2.3963	Pass
	138	5209.9989	-0.2194	Pass

Product	Gigabit Broadband Router		
Test Item	Frequency Stability		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/11/23	Test Site	SR10-H

IEEIEEE802.11ac(80MHz) -5210MHz (Ant 1)

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5210.0040	0.7628	Pass
-10		5210.0028	0.5394	Pass
0		5209.9842	-3.0231	Pass
10		5209.9645	-6.8168	Pass
20		5209.9572	-8.2143	Pass
30		5209.9524	-9.1288	Pass
40		5209.9433	-10.8917	Pass
50		5209.9815	-3.5566	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5209.9983	-0.3335	Pass
	120	5209.9925	-1.4401	Pass
	138	5210.0003	0.0574	Pass

Product	Gigabit Broadband Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: TX CDD_ ADP 1		
Date of Test	2017/11/23	Test Site	SR10-H

IEEE 802.11n(20MHz) - 5745MHz (Ant 0)

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5745.007218	1.393361088	Pass
-10		5745.009689	1.870527042	Pass
0		5744.972198	-5.367135503	Pass
10		5744.997001	-0.578895797	Pass
20		5744.954626	-8.759367238	Pass
30		5744.986923	-2.524544024	Pass
40		5744.969108	-5.963791421	Pass
50		5744.93942	-11.69488513	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5745.006464	1.125136763	Pass
	120	5744.996222	-0.657633947	Pass
	138	5745.009698	1.68805832	Pass

Product	Gigabit Broadband Router		
Test Item	Frequency Stability		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/11/23	Test Site	SR10-H

IEEE 802.11n(20MHz) -5825MHz (Ant 0)

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5825.026473	4.544791459	Pass
-10		5825.017608	3.022883723	Pass
0		5824.990239	-1.675746153	Pass
10		5824.986743	-2.275954949	Pass
20		5824.993234	-1.161567305	Pass
30		5824.971186	-4.946589692	Pass
40		5824.988278	-2.012358521	Pass
50		5824.993986	-1.032487821	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5825.002062	0.354031977	Pass
	120	5825.005933	1.0184889	Pass
	138	5825.006098	1.046883959	Pass

Product	Gigabit Broadband Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: TX CDD_ ADP 1		
Date of Test	2017/11/23	Test Site	SR10-H

IEEE 802.11n(20MHz) - 5745MHz (Ant 1)

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5745.014342	2.768774856	Pass
-10		5745.009134	1.763234749	Pass
0		5744.997789	-0.426829999	Pass
10		5744.984365	-3.018274293	Pass
20		5744.981967	-3.481182359	Pass
30		5744.989293	-2.06689962	Pass
40		5744.983365	-3.211458156	Pass
50		5744.952779	-9.116097425	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5745.003404	0.59260195	Pass
	120	5744.99603	-0.691064177	Pass
	138	5744.996997	-0.522646579	Pass

Product	Gigabit Broadband Router		
Test Item	Frequency Stability		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/11/23	Test Site	SR10-H

IEEE 802.11n(20MHz) -5825MHz (Ant 1)

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5825.027105	4.653301576	Pass
-10		5825.000285	0.04900116	Pass
0		5824.994368	-0.966899663	Pass
10		5824.982103	-3.0723666	Pass
20		5824.978977	-3.609082377	Pass
30		5824.972329	-4.750469907	Pass
40		5824.94037	-10.23697682	Pass
50		5824.933521	-11.41277605	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5825.003317	0.569506363	Pass
	120	5825.002298	0.394526755	Pass
	138	5824.998064	-0.332317635	Pass

Product	Gigabit Broadband Router		
Test Item	Frequency Stability		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/11/23	Test Site	SR10-H

IEEE 802.11n(40MHz)- 5755MHz (Ant 0)

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5755.0247	4.7574	Pass
-10		5755.0186	3.5788	Pass
0		5754.9720	-5.3921	Pass
10		5754.9773	-4.3716	Pass
20		5754.9840	-3.0914	Pass
30		5754.9673	-6.3065	Pass
40		5754.9524	-9.1628	Pass
50		5754.9706	-5.6723	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5754.9986	-0.2389	Pass
	120	5755.0033	0.5684	Pass
	138	5754.9984	-0.2808	Pass

Product	Gigabit Broadband Router		
Test Item	Frequency Stability		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/11/23	Test Site	SR10-H

IEEE 802.11n(40MHz) -5795MHz (Ant 0)

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5795.0161	2.7715	Pass
-10		5795.0133	2.3027	Pass
0		5794.9743	-4.4277	Pass
10		5794.9746	-4.3870	Pass
20		5794.9610	-6.7296	Pass
30		5794.9897	-1.7714	Pass
40		5794.9912	-1.5261	Pass
50		5794.9599	-6.9267	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5794.9911	-1.5434	Pass
	120	5794.9846	-2.6644	Pass
	138	5794.9910	-1.5517	Pass

Product	Gigabit Broadband Router		
Test Item	Frequency Stability		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/11/23	Test Site	SR10-H

IEEE 802.11n(40MHz)- 5755MHz (Ant 1)

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5755.0100	1.9342	Pass
-10		5755.0047	0.9033	Pass
0		5754.9894	-2.0415	Pass
10		5754.9866	-2.5776	Pass
20		5754.9762	-4.5815	Pass
30		5754.9811	-3.6389	Pass
40		5754.9467	-10.2780	Pass
50		5754.9896	-2.0041	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5755.0022	0.3850	Pass
	120	5754.9923	-1.3374	Pass
	138	5754.9976	-0.4159	Pass

Product	Gigabit Broadband Router		
Test Item	Frequency Stability		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/11/23	Test Site	SR10-H

IEEE 802.11n(40MHz) -5795MHz (Ant 1)

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5795.0189	3.2568	Pass
-10		5795.0107	1.8386	Pass
0		5794.9769	-3.9866	Pass
10		5794.9857	-2.4647	Pass
20		5794.9716	-4.9003	Pass
30		5794.9975	-0.4297	Pass
40		5794.9622	-6.5302	Pass
50		5794.9637	-6.2649	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5795.0083	1.4351	Pass
	120	5794.9938	-1.0706	Pass
	138	5794.9998	-0.0290	Pass

Product	Gigabit Broadband Router		
Test Item	Frequency Stability		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/11/23	Test Site	SR10-H

IEEE802.11ac(80MHz) -5775MHz(Ant 0)

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5775.0218	3.7699	Pass
-10		5775.0163	2.8155	Pass
0		5774.9882	-2.0483	Pass
10		5774.9608	-6.7923	Pass
20		5774.9517	-8.3711	Pass
30		5774.9959	-0.7075	Pass
40		5774.9603	-6.8668	Pass
50		5774.9655	-5.9787	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5775.0011	0.1940	Pass
	120	5774.9890	-1.9048	Pass
	138	5774.9962	-0.6598	Pass

Product	Gigabit Broadband Router		
Test Item	Frequency Stability		
Test Mode	Mode 2: TX MIMO_ ADP 1		
Date of Test	2017/11/23	Test Site	SR10-H

IEEE802.11ac(80MHz) -5775MHz(Ant 1)

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5775.0094	1.6201	Pass
-10		5775.0189	3.2770	Pass
0		5774.9980	-0.3523	Pass
10		5774.9689	-5.3902	Pass
20		5774.9608	-6.7940	Pass
30		5774.9769	-3.9957	Pass
40		5774.9482	-8.9744	Pass
50		5774.9948	-0.9014	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5774.9997	-0.0551	Pass
	120	5775.0074	1.2873	Pass
	138	5774.9981	-0.3302	Pass