FCC Test Report

Product Name ： Dual Band 3x3 802.11AC Gigabit Router

Trade Name ： ASUS

Model No. ： RT-AC66U, RT-AC66R, RT-AC66W, SP-AC2015, RT-AC1750

FCC ID. ： MSQ-RTAC66U

Applicant ： ASUSTeK COMPUTER INC.

Address ： 4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan

Date of Receipt ： Feb. 03, 2016

Issued Date ： Mar. 30, 2016

Report No. ： 1620194R-RFUSP57V00-A

Report Version ： V1.0

Testing Laboratory
3024

Test Report Certification

Issued Date: Mar. 30, 2016
Report No. : 1620194R-RFUSP57V00-A

Product Name	:	Dual Band 3x3 802.11AC Gigabit Router
Applicant	:	ASUSTeK COMPUTER INC.
Address	:	4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan
Manufacturer	:	(1) Askey Technology (Jiang Su) Ltd. (2) Compal Networking (KunShan) Co., Ltd..
Model No.	:	RT-AC66U, RT-AC66R, RT-AC66W, SP-AC2015, RT-AC1750
FCC ID.	:	MSQ-RTAC66U
EUT Rated Voltage	:	19V ⎓ 1.58A
EUT Voltage	:	AC 100-240V, 50-60Hz
Testing Voltage	:	AC 120V/60Hz
Trade Name	:	ASUS
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart E Section 15.407: 2014 ANSI C63.10: 2013
Test Lab	:	QuieTek Hsin Chu Laboratory
Test Result	:	Complied

The test results relate only to the samples tested.
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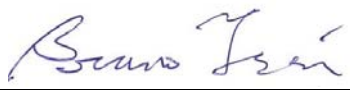
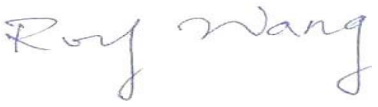
Documented By : 
(Carol Tsai / Engineering Adm. Specialist)

Tested By : 
(Bruno Tsai / Engineer)

Approved By : 
(Roy Wang / Director)

Revision History

Report No.	Version	Description	Issued Date
125201R-RFUSP46V01	V2.0	Initial issue of report	May 21,20121
1590191R-RFUSP35V00	V2.0	Add two Level 6's adapter (AD890326 and ADP-33AW). Add the test data of conducted and radiated emission (under 1GHz)	Sep. 23, 2015
1610206R-RFUSP54V00	V1.0	Add one mode number (RT-AC1750)	Jan. 13, 2016
1620194R-RFUSP57V00-A	V1.0	Change 2.4G PA, modify radiated emission (under 1GHz) Update WLAN 5G band 4 standard to FCC 15.407.	Mar. 30, 2016

Laboratory Information

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

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

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

HsinChu Testing Laboratory:
No.75-2, 3rd Lin, Wangye Keng, Yonghxing Tsuen, Qionglin Shiang, Hsinchu County 307, Taiwan, R.O.C.
TEL:+886-3-592-8858 / FAX:+886-3-592-8859 E-Mail : service@quietek.com

LinKou Testing Laboratory:
No.5-22, Ruishukeng, Linkou Dist., New Taipei City 24451, Taiwan, R.O.C.
TEL : 886-2-8601-3788 / FAX : 886-2-8601-3789 E-Mail : service@quietek.com

TABLE OF CONTENTS

1. General Information

1.1. EUT Description

Product Name	Dual Band 3x3 802.11AC Gigabit Router	
Product Type	WLAN(3TX,3RX)	
Trade Name	ASUS	
Model No.	RT-AC66U, RT-AC66R, RT-AC66W, SP-AC2015, RT-AC1750	
Frequency Range/ Channel Number	IEEE 802.11a/ IEEE 802.11n (20MHz) / IEEE 802.11ac (20MHz)	5745~5825MHz / 5 Channels
	IEEE 802.11n (40MHz) / IEEE 802.11ac (40MHz)	5755~5795MHz / 2 Channels
	IEEE 802.11ac (80MHz)	5775~5775MHz / 1 Channel
Type of Modulation	IEEE 802.11a/n/ac	Orthogonal Frequency Division Multiplexing
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 23 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

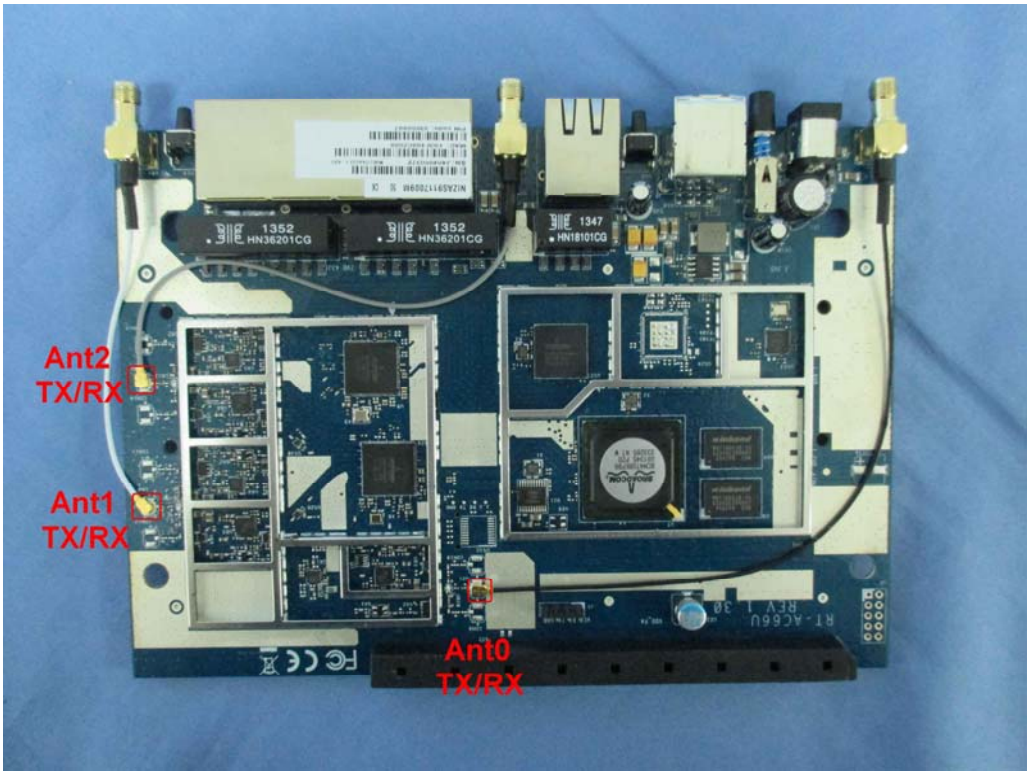
Antenna Information	
Antenna Type	Dipole
Antenna Gain	2dBi

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

ANT-TX / RX & Bandwidth

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

3TX / 3RX



IEEE 802.11n

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

Table 1 – MCS parameters for TX Antenna number = 1

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

Table 2 – MCS parameters for TX Antenna number = 2

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

Table 3 – MCS parameters for TX Antenna number = 3

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

IEEE 802.11ac Data Rate

Spatial Streams (Note1)	MCS Index	Modulation type	Coding rate	Data Rate(Mb/s)							
				20 MHz		40 MHz		80 MHz		160 MHz	
				Guard Interval		Guard Interval		Guard Interval		Guard Interval	
				800ns	400ns	800ns	400ns	800ns	400ns	800ns	400ns
1	0	BPSK	1/2	6.5	7.2	13.5	15	29.3	32.5	58.5	65
	1	QPSK	1/2	13	14.4	27	30	58.5	65	117	130
	2	QPSK	3/4	19.5	21.7	40.5	45	87.8	97.5	175.5	195
	3	16-QAM	1/2	26	28.9	54	60	117	130	234	260
	4	16-QAM	3/4	39	43.3	81	90	175.5	195	351	390
	5	64-QAM	2/3	52	57.8	108	120	234	260	468	520
	6	64-QAM	3/4	58.5	65	121.5	135	263.3	292.5	526.5	585
	7	64-QAM	5/6	65	72.2	135	150	292.5	325	585	650
	8	256-QAM	3/4	78	86.7	162	180	351	390	702	780
	9	256-QAM	5/6	N/A	N/A	180	200	390	433.3	780	866.7
2	0	BPSK	1/2	13	14.4	27	30	58.6	65	117	130
	1	QPSK	1/2	26	28.8	54	60	117	130	234	260
	2	QPSK	3/4	39	43.4	81	90	175.6	195	351	390
	3	16-QAM	1/2	52	57.8	108	120	234	260	468	520
	4	16-QAM	3/4	78	86.6	162	180	351	390	702	780
	5	64-QAM	2/3	104	115.6	216	240	468	520	936	1040
	6	64-QAM	3/4	117	130	243	270	526.6	585	1053	1170
	7	64-QAM	5/6	130	144.4	270	300	585	650	1170	1300
	8	256-QAM	3/4	156	173.4	324	360	702	780	1404	1560
	9	256-QAM	5/6	N/A	N/A	360	400	780	866.6	1560	1733.4
3	0	BPSK	1/2	19.5	21.6	40.5	45	87.9	97.5	175.5	195
	1	QPSK	1/2	39	43.2	81	90	175.5	195	351	390
	2	QPSK	3/4	58.5	65.1	121.5	135	263.4	292.5	526.5	585
	3	16-QAM	1/2	78	86.7	162	180	351	390	702	780
	4	16-QAM	3/4	117	129.9	243	270	526.5	585	1053	1170
	5	64-QAM	2/3	156	173.4	324	360	702	780	1404	1560
	6	64-QAM	3/4	175.5	195	364.5	405	789.9	877.5	1579.5	1755
	7	64-QAM	5/6	195	216.6	405	450	877.5	975	1755	1950
	8	256-QAM	3/4	234	260.1	486	540	1053	1170	2106	2340
	9	256-QAM	5/6	N/A	N/A	540	600	1170	1299.9	2340	2600.1

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

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
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
151	5755 MHz	159	5795 MHz

IEEE 802.11ac (80MHz)

Working Frequency of Each Channel	
Channel	Frequency
155	5775 MHz

Note:

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

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

   The variation of model number is for different strategy of marketing.
3. 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.
4. The function of the 2.4 & 5.2GHz transmitting is measured and makes a test report of the number: 15C0316R-RFUSP28V00 & 15C0316R-RFUSP54V00.
   This device is a composite device in accordance with Part 15 regulations. The receiving function was tested and its number is 15C0316R-RFUSP01V00.

1.2. Test Mode

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

TX	Mode 1: Transmit_Adapter 1 Mode 2: Transmit_Adapter 2

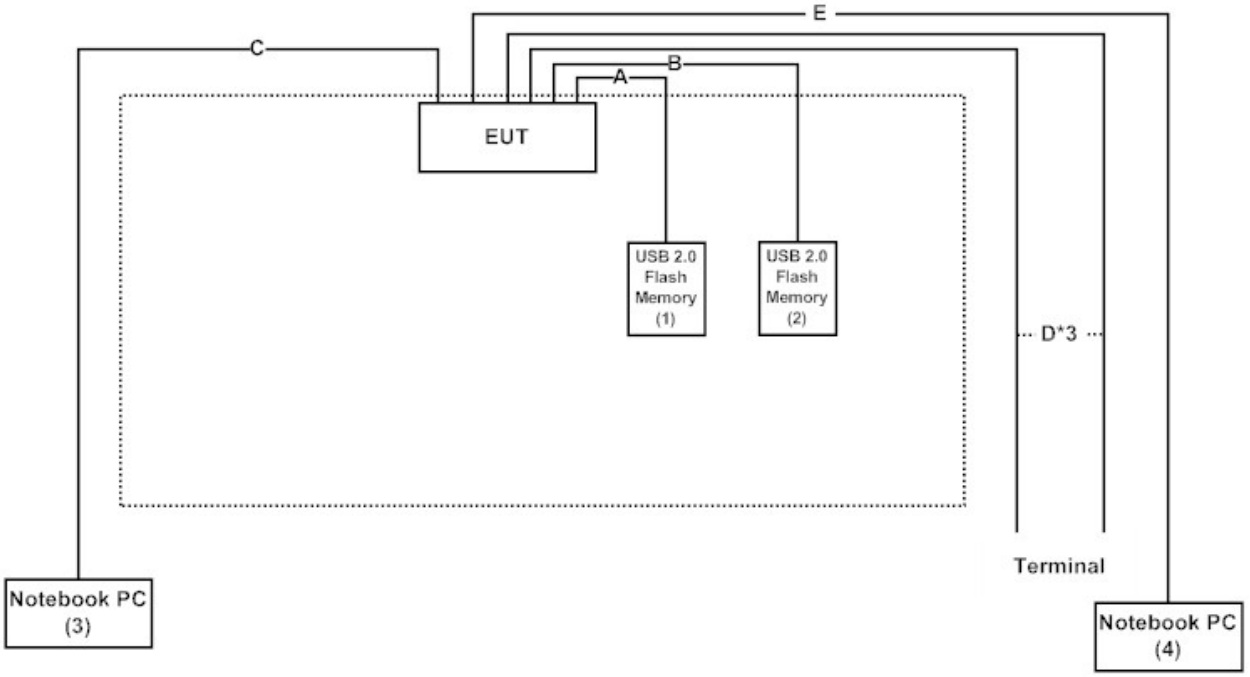
Test Items	Modulation	Channel	Antenna	Result
Conducted Emission	11ac(80MHz)	155	0+1+2	Complies
99 % & 26dB Bandwidth	11a	149/ 157/ 165	0/1/2	Complies
	11n(20MHz)	149/ 157/ 165	0/1/2	Complies
	11n(40MHz)	151/ 159	0/1/2	Complies
	11ac(80MHz)	155	0/1/2	Complies
Peak Transmit Output	11a	149/ 157/ 165	0+1+2	Complies
	11n(20MHz)	149/ 157/ 165	0+1+2	Complies
	11n(40MHz)	151/ 159	0+1+2	Complies
	11ac(80MHz)	155	0+1+2	Complies
Peak Power Spectrum Density	11a	149/ 157/ 165	0+1+2	Complies
	11n(20MHz)	149/ 157/ 165	0+1+2	Complies
	11n(40MHz)	151/ 159	0+1+2	Complies
	11ac(80MHz)	155	0+1+2	Complies
Radiated Emission	11a	149/ 157/ 165	0+1+2	Complies
	11n(20MHz)	149/ 157/ 165	0+1+2	Complies
	11n(40MHz)	151/ 159	0+1+2	Complies
	11ac(80MHz)	155	0+1+2	Complies
Band Edge	11a	149/ 157/ 165	0+1+2	Complies
	11n(20MHz)	149/ 157/ 165	0+1+2	Complies
	11n(40MHz)	151/ 159	0+1+2	Complies
	11ac(80MHz)	155	0+1+2	Complies
Frequency Stability	11a	149/ 157/ 165	0/1/2	Complies
	11n(20MHz)	149/ 157/ 165	0/1/2	Complies
	11n(40MHz)	151/ 159	0/1/2	Complies
	11ac(80MHz)	155	0/1/2	Complies

1.3. Tested System Details

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

Product		Manufacturer	Model No.	Serial No.	FCC ID	Power Cord
1	USB 2.0 Flash Memory	Sony	USM2GJX	N/A	DoC	--
2	USB 2.0 Flash Memory	Sony	USM2GJX	N/A	DoC	--
3	Notebook PC	DELL	PP37L	CD8BNG1	DoC	Non-Shielded, 1.8m
4	Notebook PC	HP Compaq	NX6320FF	CNU7020BXT	DoC	Non-Shielded, 1.8m

1.4. Configuration of tested System

Connection Diagram


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

1.5. EUT Exercise Software

1	Setup the EUT as shown in Section 1.4.
2	Execute the “MTool 2.0.0.7” on the EUT.
3	Configure the test mode, the test channel, and the data rate.
4	Press “Start TX” to start the continuous transmitting.
5	Verify that the EUT works properly.

1.6. Test Facility

Ambient conditions in the laboratory:

Items	Test Item	Required (IEC 68-1)	Actual
Temperature (°C)	FCC PART 15 E 15.407 Conducted Emission	15 - 35	20°C
Humidity (%RH)		25 - 75	50%RH
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 E 15.407 99 % & 26dB Bandwidth	15 - 35	25°C
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
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
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
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
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
Humidity (%RH)		25 - 75	45%RH
Barometric pressure (mbar)		860 - 1060	950-1000

2. Conducted Emission

2.1. Test Equipment

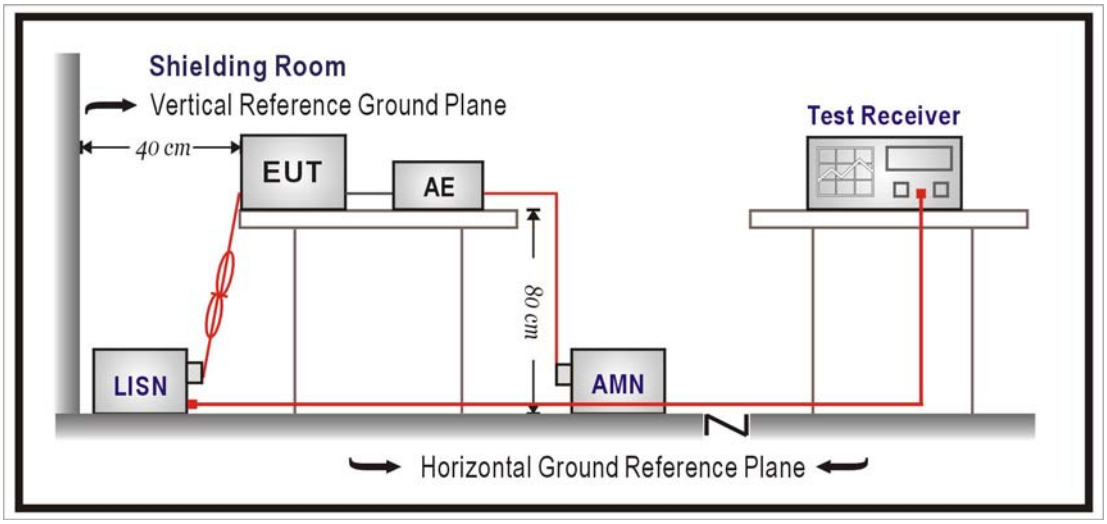
The following test equipments are used during the test:

Conducted Emission / SR2

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

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

2.2. Test Setup



2.3. Limits

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

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

2.4. Test Procedure

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

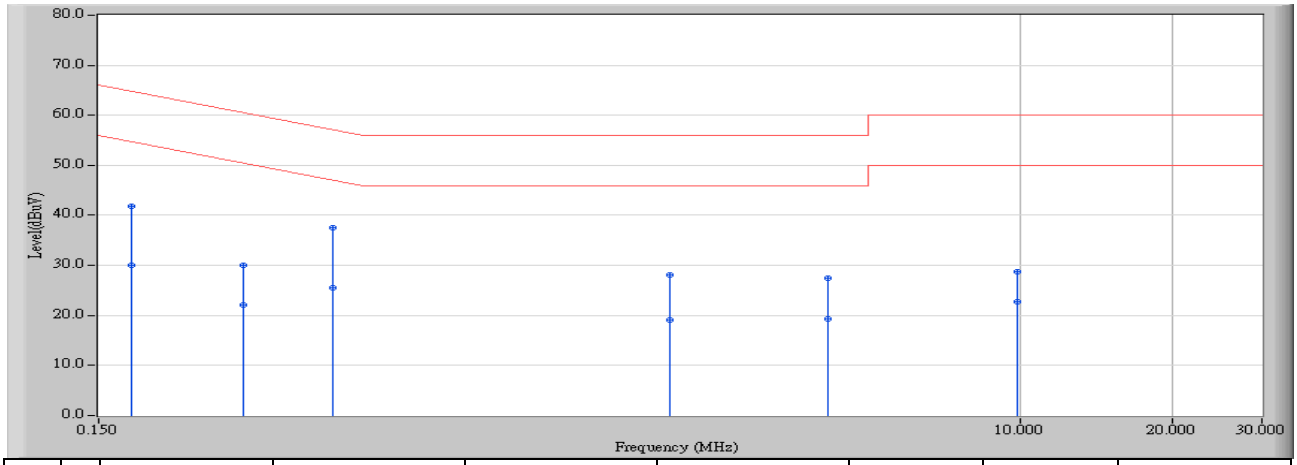
According to FCC Part 15 Subpart C Paragraph 15.207: 2014

2.6. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

2.7. Test Result

Site : SR2	**Time : 2015/09/08 - 17:08**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-4_0825 - Line1	**Power : AC 120V / 60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11ac(80M)_5775MHz**

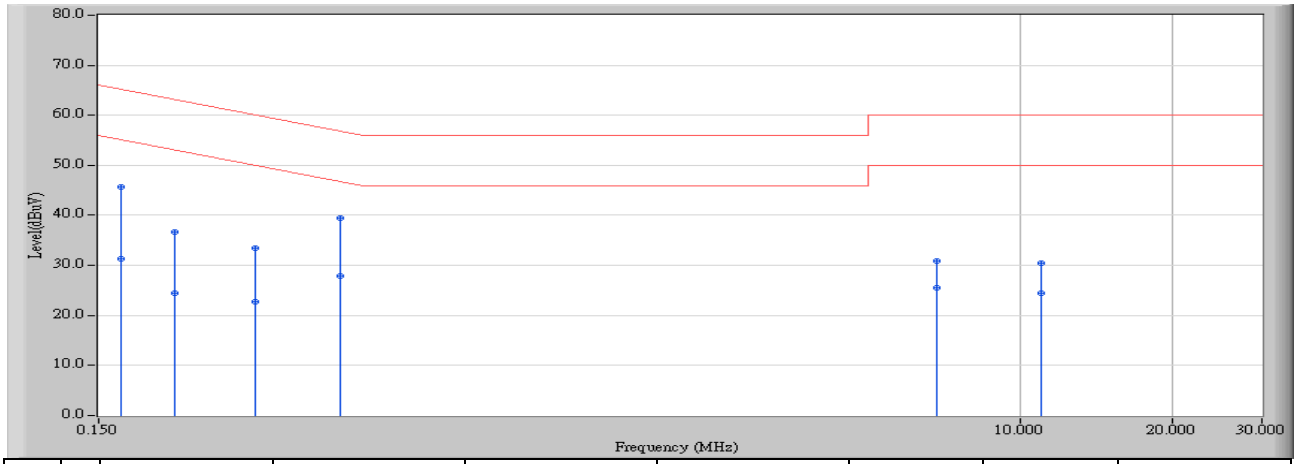


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.174	9.760	32.160	41.920	-22.867	64.787	QUASIPEAK
2		0.174	9.760	20.260	30.020	-24.767	54.787	AVERAGE
3		0.291	9.756	20.290	30.046	-30.461	60.507	QUASIPEAK
4		0.291	9.756	12.230	21.986	-28.521	50.507	AVERAGE
5	*	0.435	9.751	27.870	37.621	-19.533	57.154	QUASIPEAK
6		0.435	9.751	15.810	25.561	-21.593	47.154	AVERAGE
7		2.017	9.821	18.300	28.121	-27.879	56.000	QUASIPEAK
8		2.017	9.821	9.300	19.121	-26.879	46.000	AVERAGE
9		4.154	9.924	17.550	27.475	-28.525	56.000	QUASIPEAK
10		4.154	9.924	9.480	19.405	-26.595	46.000	AVERAGE
11		9.830	10.096	18.590	28.686	-31.314	60.000	QUASIPEAK
12		9.830	10.096	12.570	22.666	-27.334	50.000	AVERAGE

Note:

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

Site : SR2	**Time : 2015/09/08 - 17:12**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-4_0825 - Line2	**Power : AC 120V / 60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11ac(80M)_5775MHz**

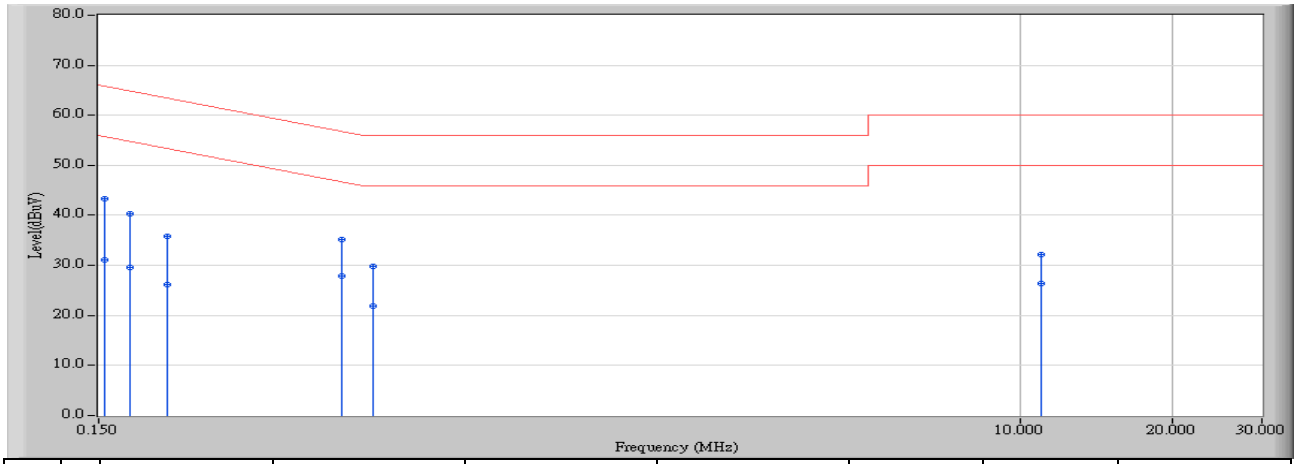


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.166	9.810	35.940	45.750	-19.427	65.177	QUASIPEAK
2		0.166	9.810	21.560	31.370	-23.807	55.177	AVERAGE
3		0.212	9.811	26.870	36.681	-26.426	63.107	QUASIPEAK
4		0.212	9.811	14.550	24.361	-28.746	53.107	AVERAGE
5		0.306	9.815	23.560	33.375	-26.696	60.072	QUASIPEAK
6		0.306	9.815	12.950	22.765	-27.306	50.072	AVERAGE
7	*	0.451	9.820	29.610	39.430	-17.431	56.861	QUASIPEAK
8		0.451	9.820	18.090	27.910	-18.951	46.861	AVERAGE
9		6.830	10.096	20.810	30.906	-29.094	60.000	QUASIPEAK
10		6.830	10.096	15.450	25.546	-24.454	50.000	AVERAGE
11		11.002	10.217	20.140	30.357	-29.643	60.000	QUASIPEAK
12		11.002	10.217	14.140	24.357	-25.643	50.000	AVERAGE

Note:

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

Site : SR2	**Time : 2015/09/08 - 16:11**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-4_0825 - Line1	**Power : AC 120V / 60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 2: Transmit_Adapter 2 802.11ac(80M)_5775MHz**

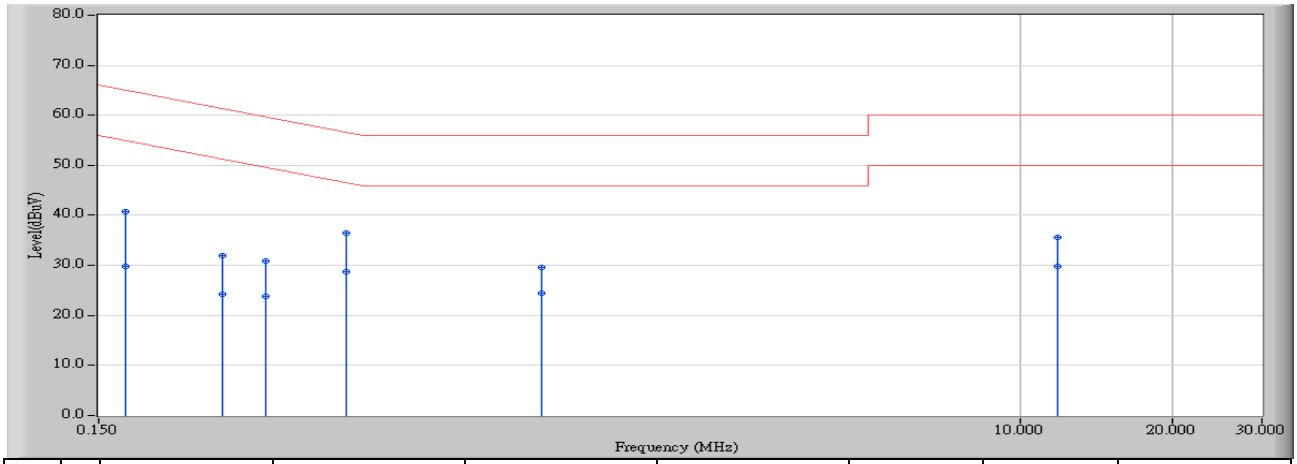


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.154	9.761	33.620	43.381	-22.405	65.786	QUASIPEAK
2		0.154	9.761	21.250	31.011	-24.775	55.786	AVERAGE
3		0.173	9.760	30.600	40.360	-24.434	64.794	QUASIPEAK
4		0.173	9.760	19.900	29.660	-25.134	54.794	AVERAGE
5		0.205	9.760	26.010	35.770	-27.649	63.418	QUASIPEAK
6		0.205	9.760	16.360	26.120	-27.299	53.418	AVERAGE
7		0.455	9.751	25.420	35.171	-21.618	56.789	QUASIPEAK
8	*	0.455	9.751	18.220	27.971	-18.818	46.789	AVERAGE
9		0.525	9.755	20.160	29.915	-26.085	56.000	QUASIPEAK
10		0.525	9.755	12.070	21.825	-24.175	46.000	AVERAGE
11		11.009	10.117	22.160	32.277	-27.723	60.000	QUASIPEAK
12		11.009	10.117	16.310	26.427	-23.573	50.000	AVERAGE

Note:

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

Site : SR2	**Time : 2015/09/08 - 16:14**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-4_0825 - Line2	**Power : AC 120V / 60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 2: Transmit_Adapter 2 802.11ac(80M)_5775MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.170	9.810	31.040	40.850	-24.133	64.983	QUASIPEAK
2		0.170	9.810	20.050	29.860	-25.123	54.983	AVERAGE
3		0.263	9.813	22.200	32.013	-29.314	61.327	QUASIPEAK
4		0.263	9.813	14.460	24.273	-27.054	51.327	AVERAGE
5		0.322	9.816	21.060	30.876	-28.782	59.658	QUASIPEAK
6		0.322	9.816	13.940	23.756	-25.902	49.658	AVERAGE
7		0.463	9.820	26.710	36.530	-20.118	56.648	QUASIPEAK
8	*	0.463	9.820	18.980	28.800	-17.848	46.648	AVERAGE
9		1.130	9.871	19.830	29.701	-26.299	56.000	QUASIPEAK
10		1.130	9.871	14.590	24.461	-21.539	46.000	AVERAGE
11		11.857	10.240	25.460	35.700	-24.300	60.000	QUASIPEAK
12		11.857	10.240	19.580	29.820	-20.180	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

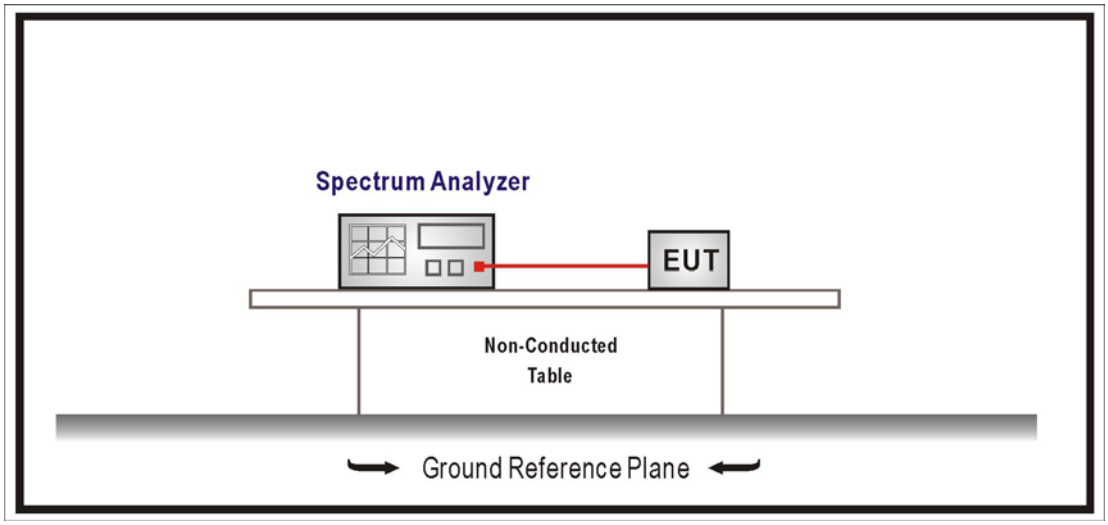
The following test equipments are used during the radiated emission tests:

99% & 26dB Bandwidth / SR7

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

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

3.2. Test Setup



3.3. Limits

99% & 26dB Bandwidth : No Required
DTS Bandwidth ≧ 500KHz

3.4. Test Procedure

99% & 26dB Bandwidth :
The EUT was tested according to U-NII test procedure of KDB 789033 D02
Set RBW 1% of the emission bandwidth, VBW equal to 3 times the RBW.

3.5. Uncertainty

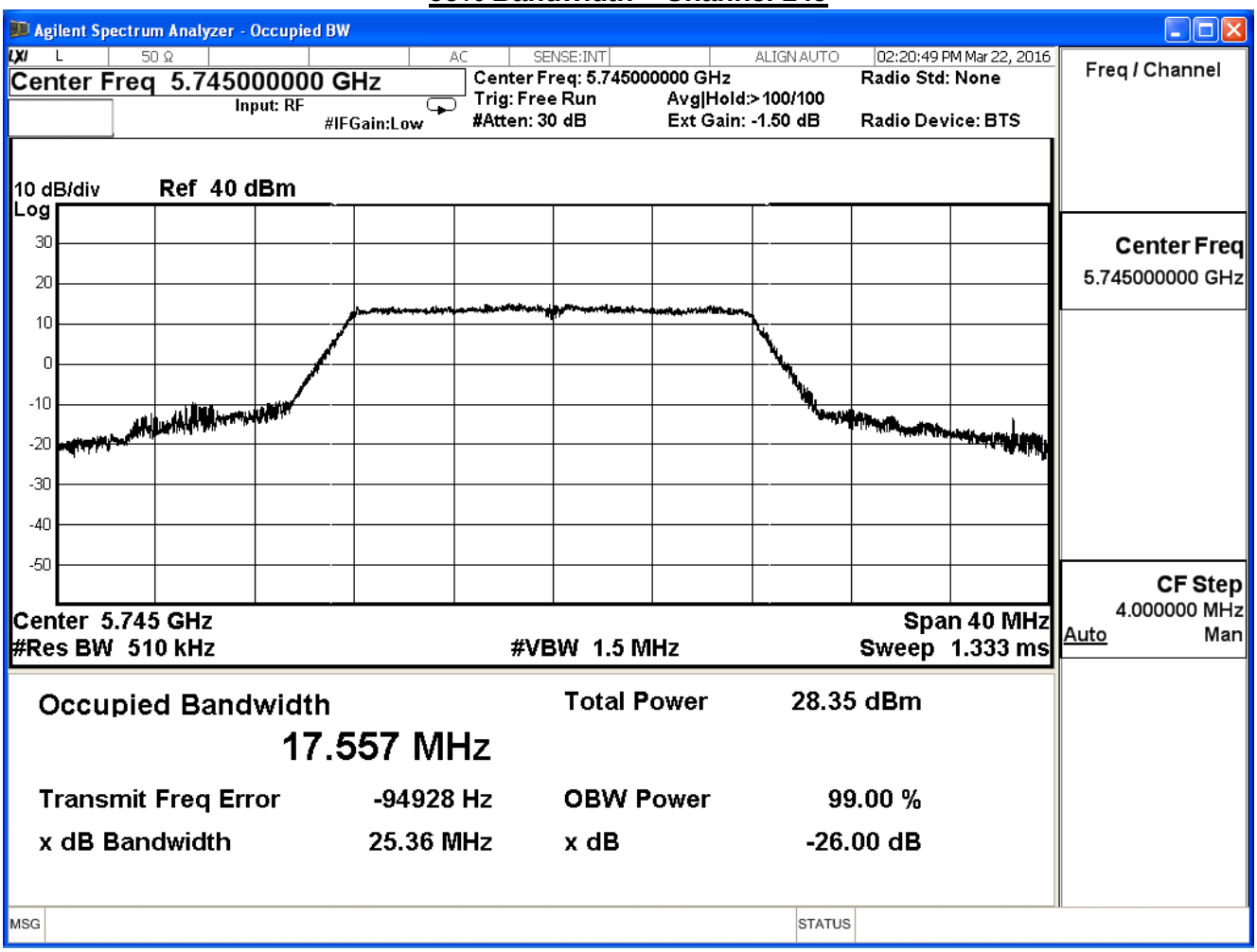
The measurement uncertainty is defined as ±150Hz

3.6. Test Result

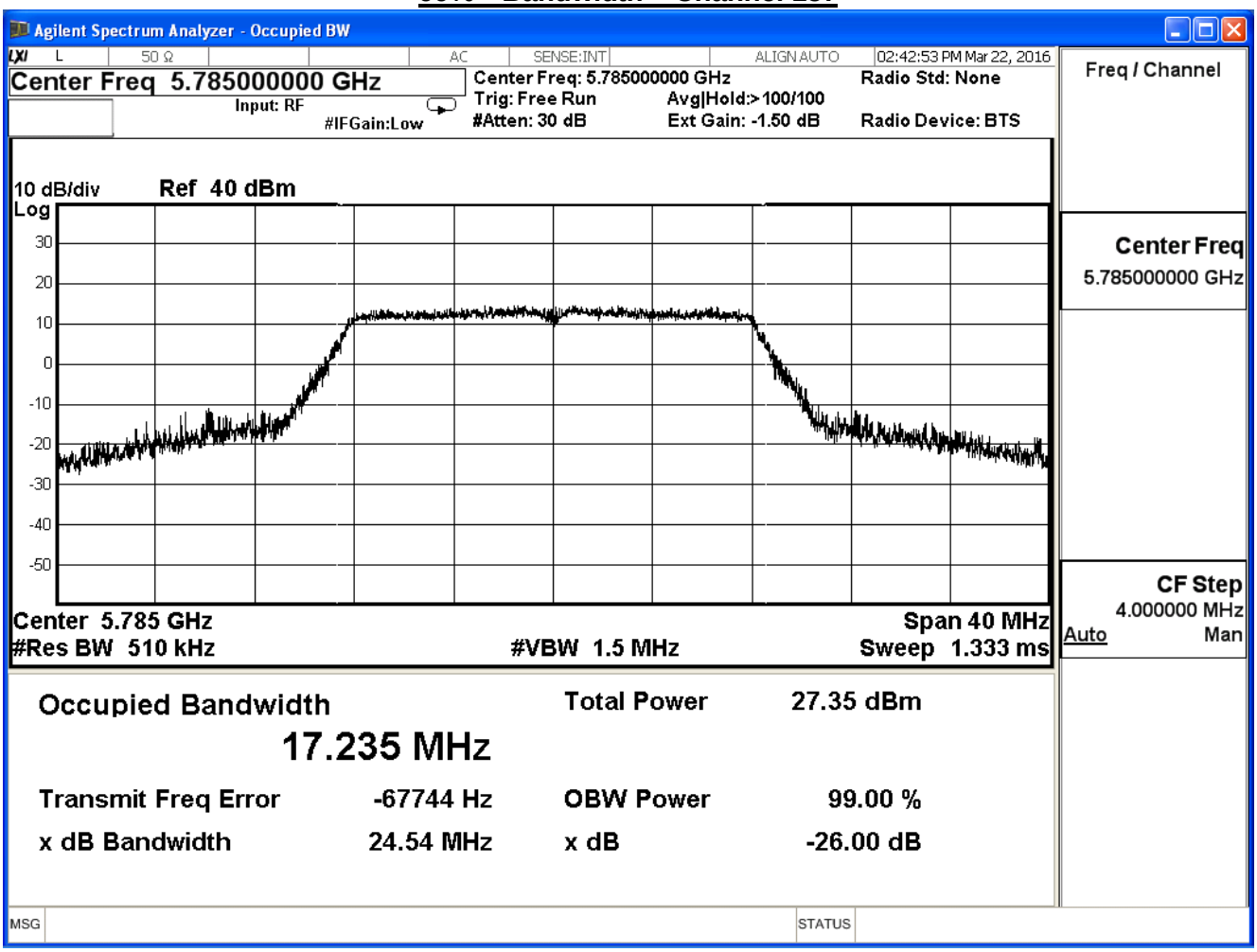
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	99% Bandwidth		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/22	Test Site	SR7

802.11a (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
149	5745	17.557	--
157	5785	17.235	--
165	5825	17.204	--

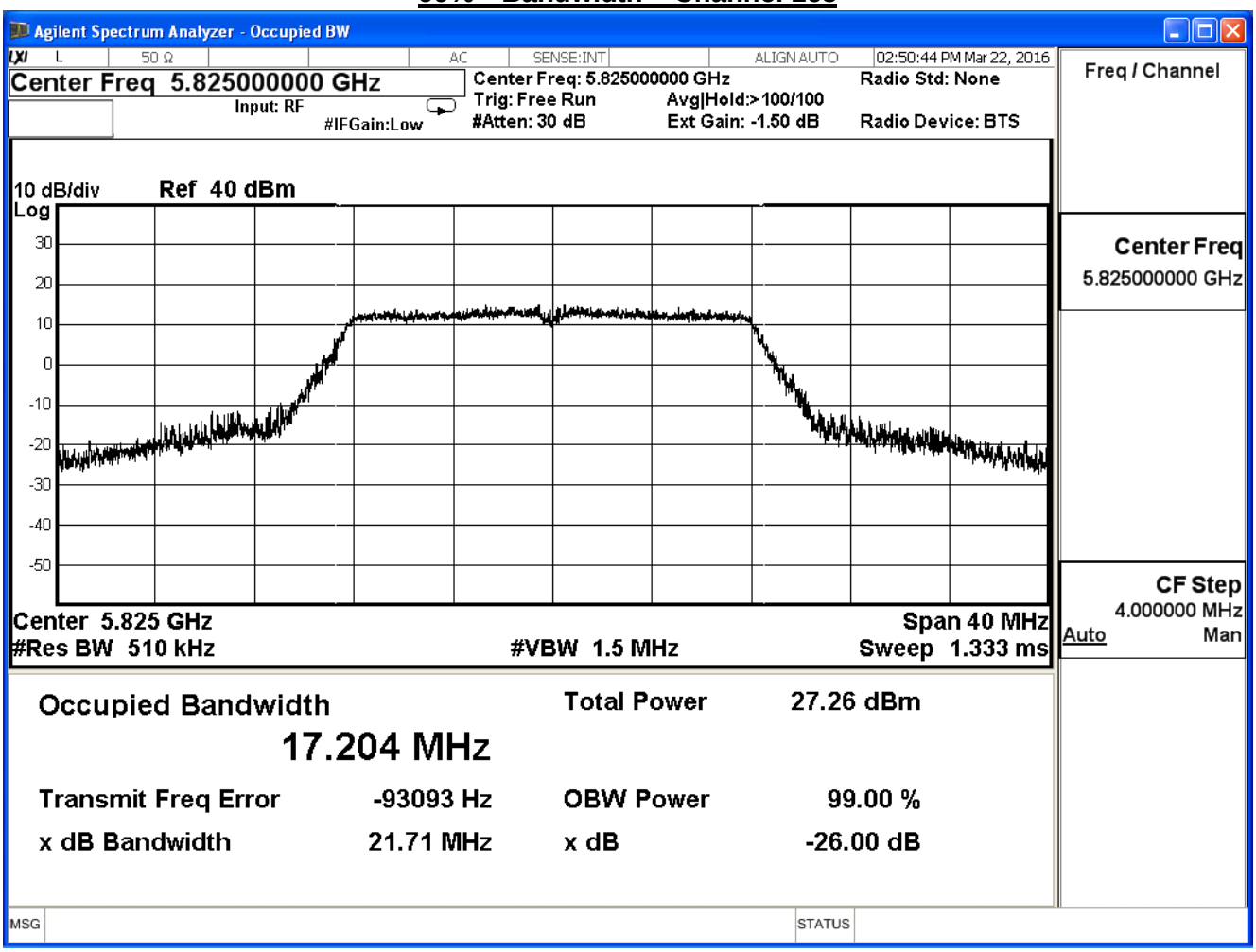
99% Bandwidth – Channel 149



99%　Bandwidth – Channel 157



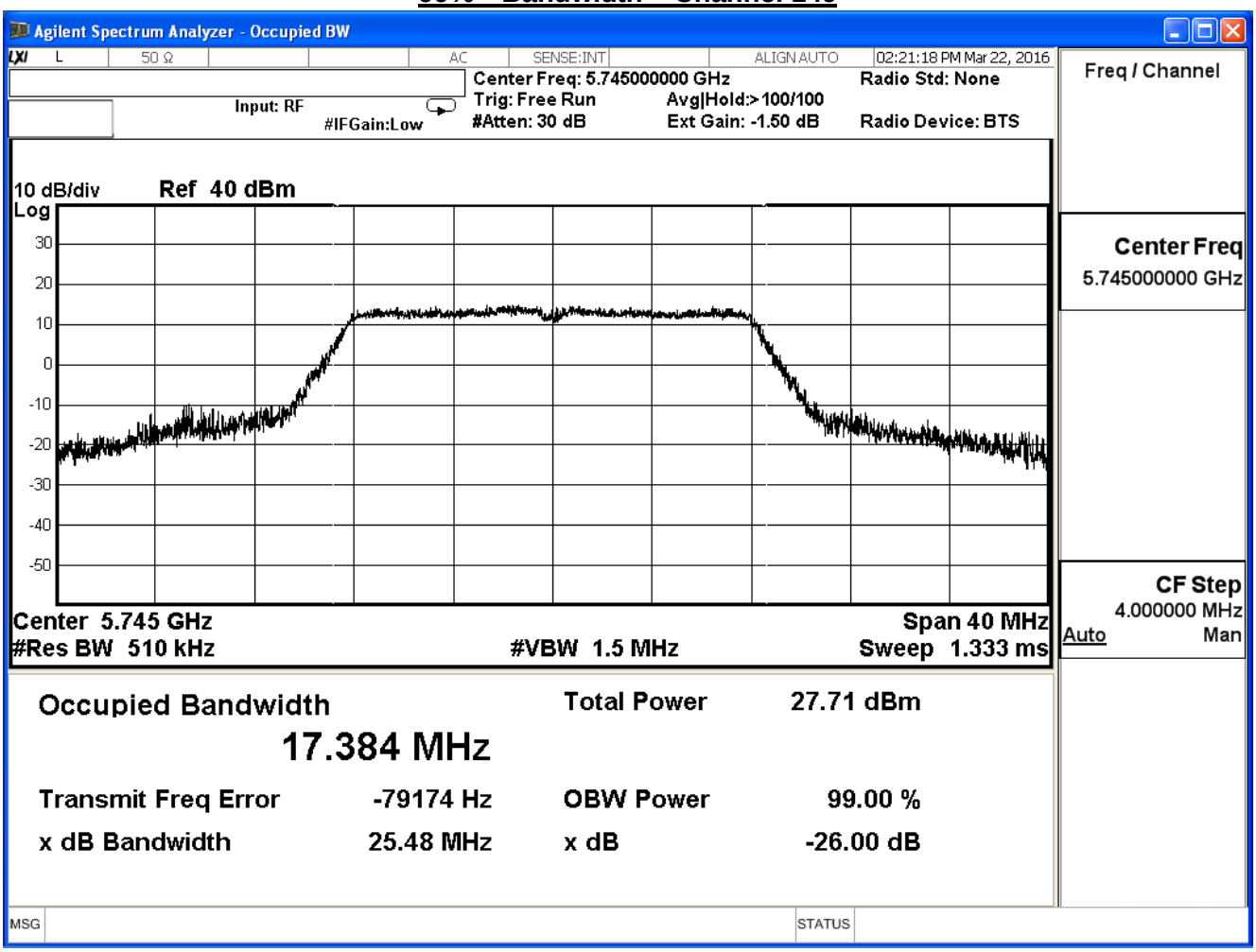
99%　Bandwidth – Channel 165



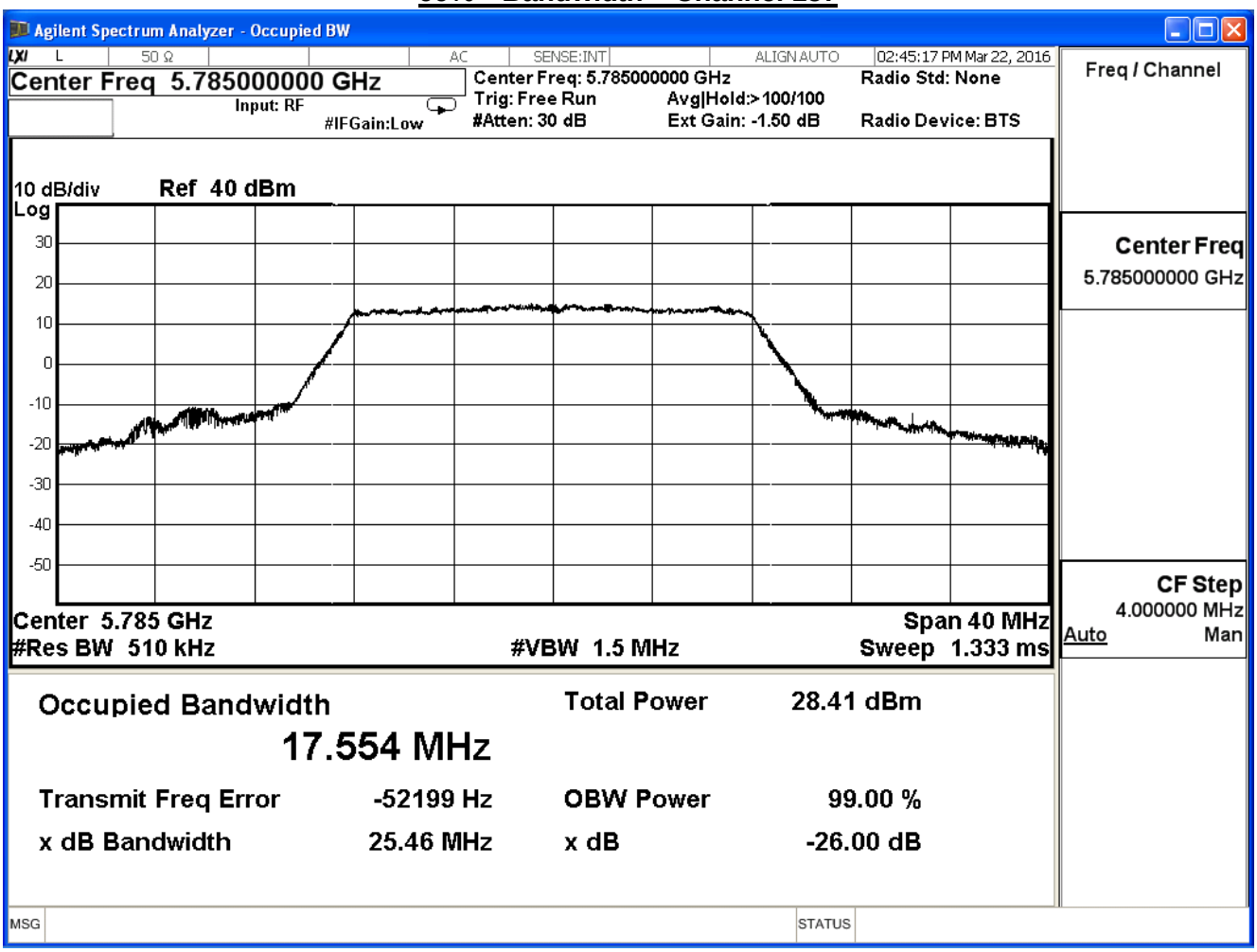
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	99% Bandwidth		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/22	Test Site	SR7

802.11a (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
149	5745	17.384	--
157	5785	17.554	--
165	5825	17.273	--

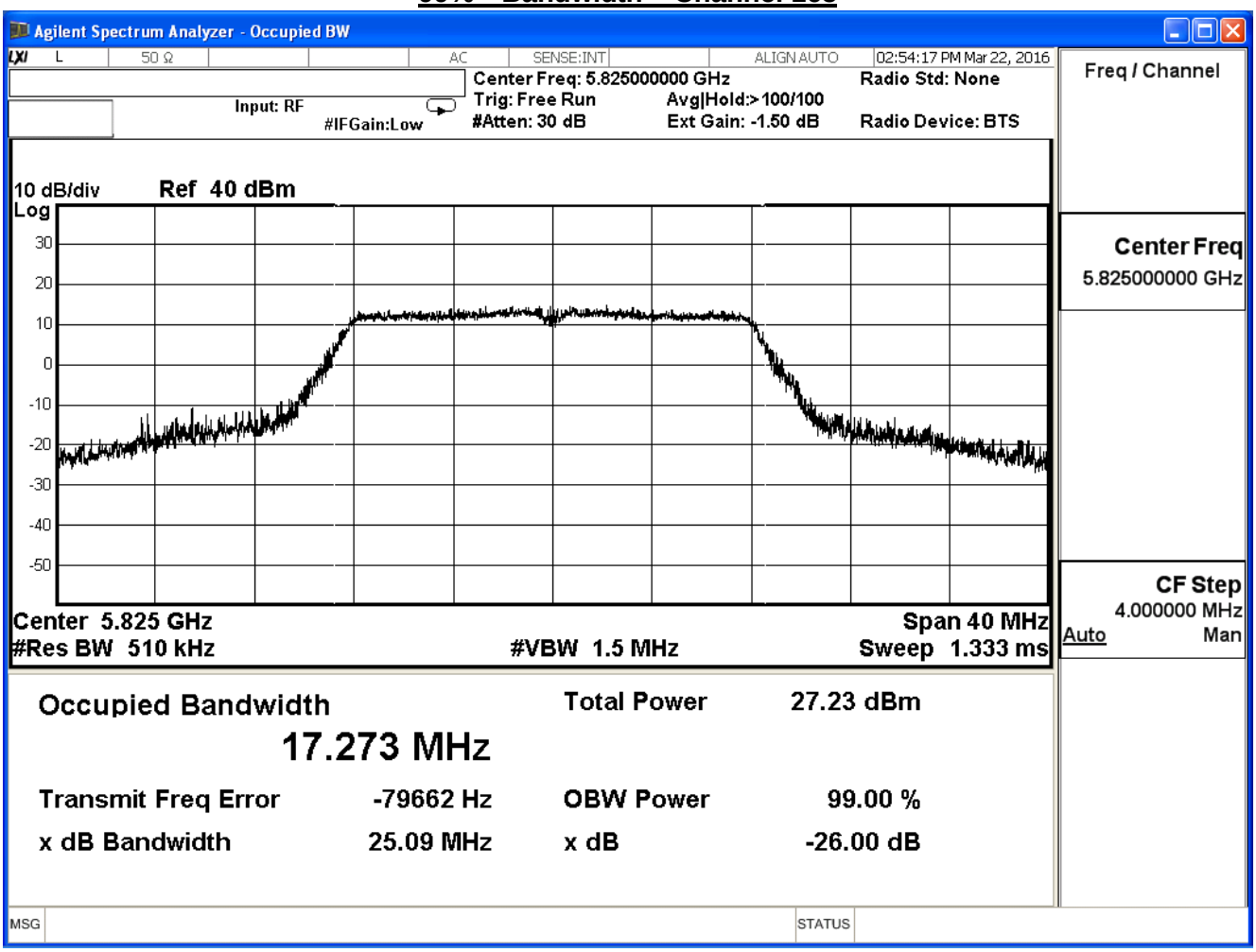
99% Bandwidth – Channel 149



99%　Bandwidth – Channel 157



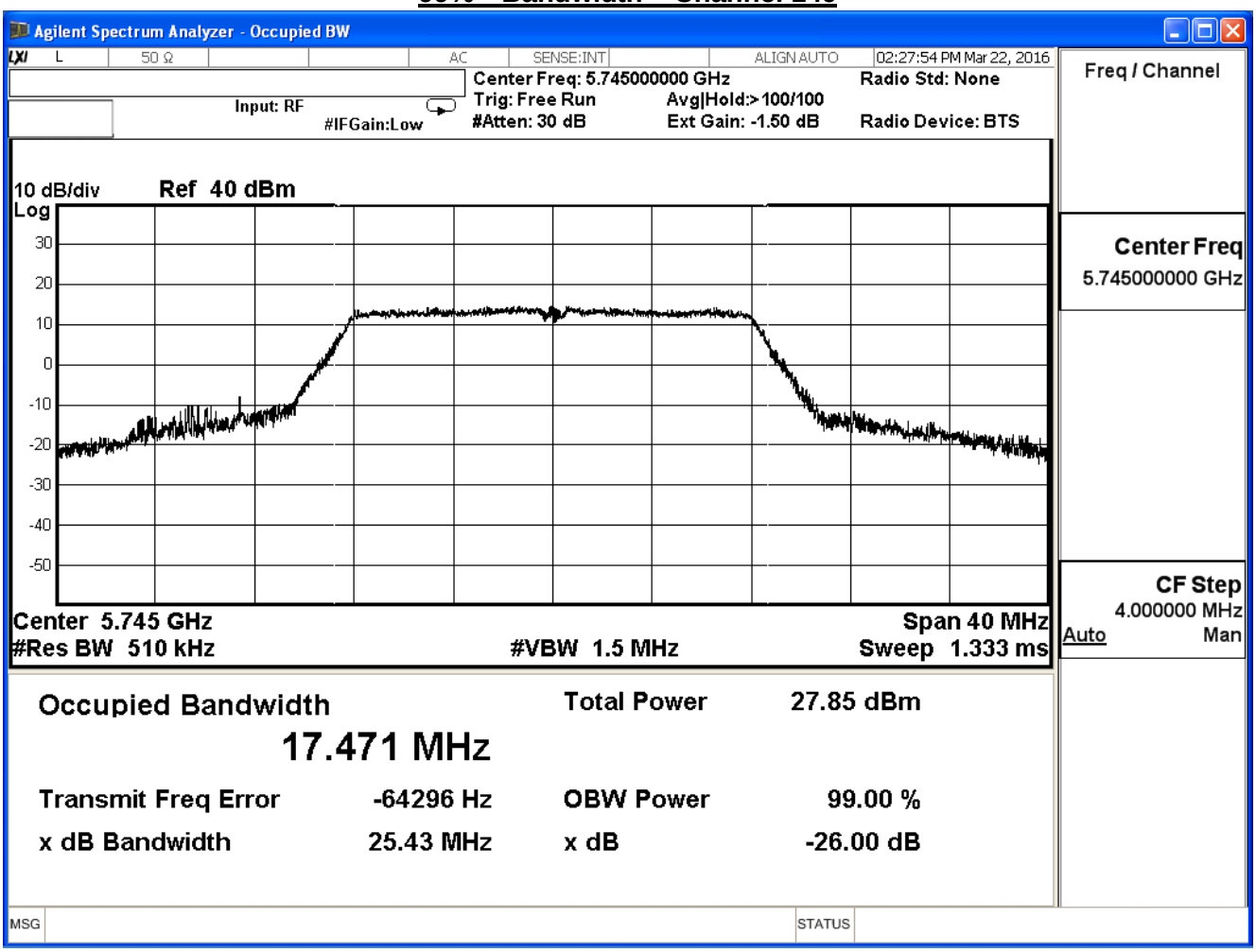
99%　Bandwidth – Channel 165



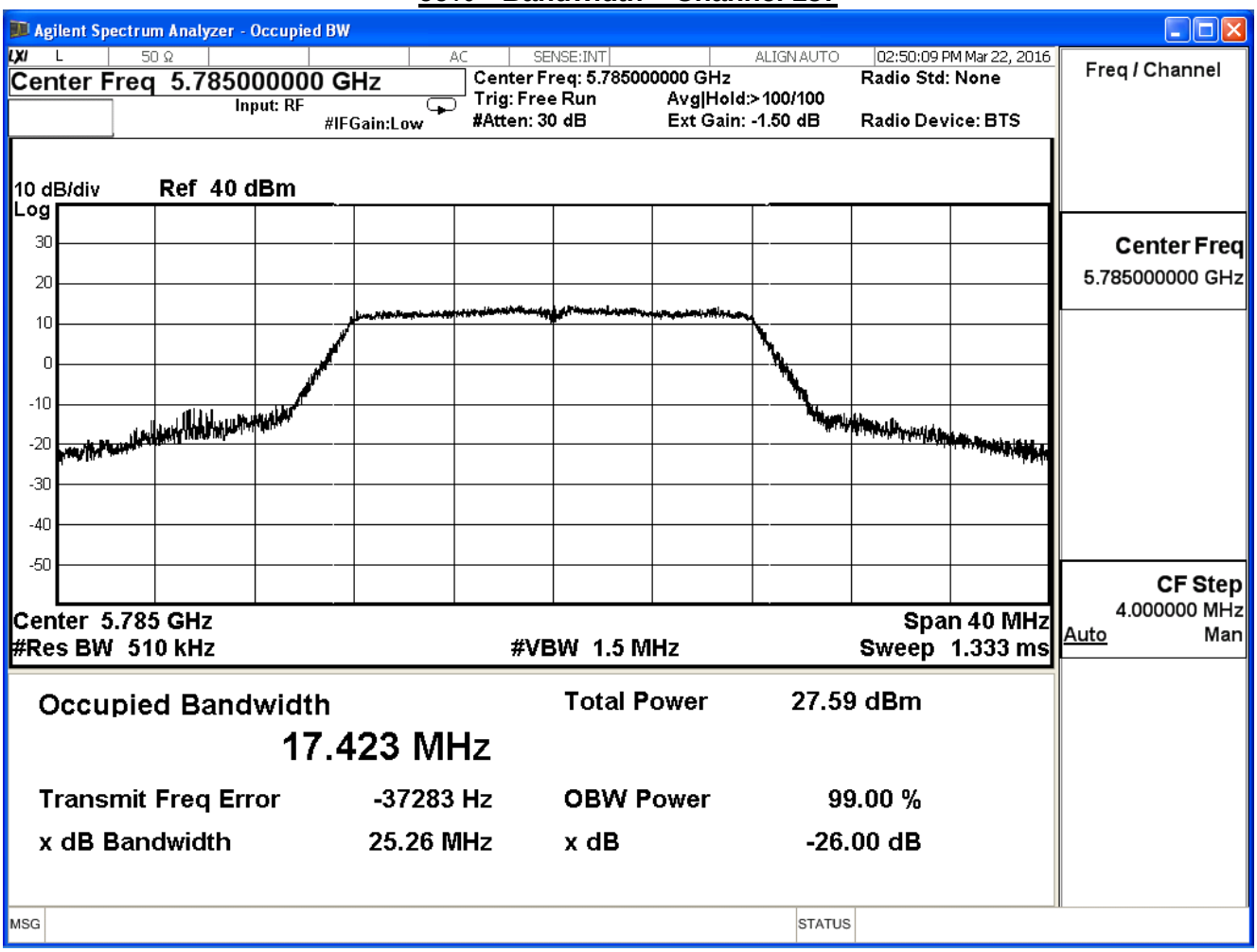
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/22	Test Site	SR7

802.11a (ANT 2)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
149	5745	17.471	--
157	5785	17.423	--
165	5825	17.543	--

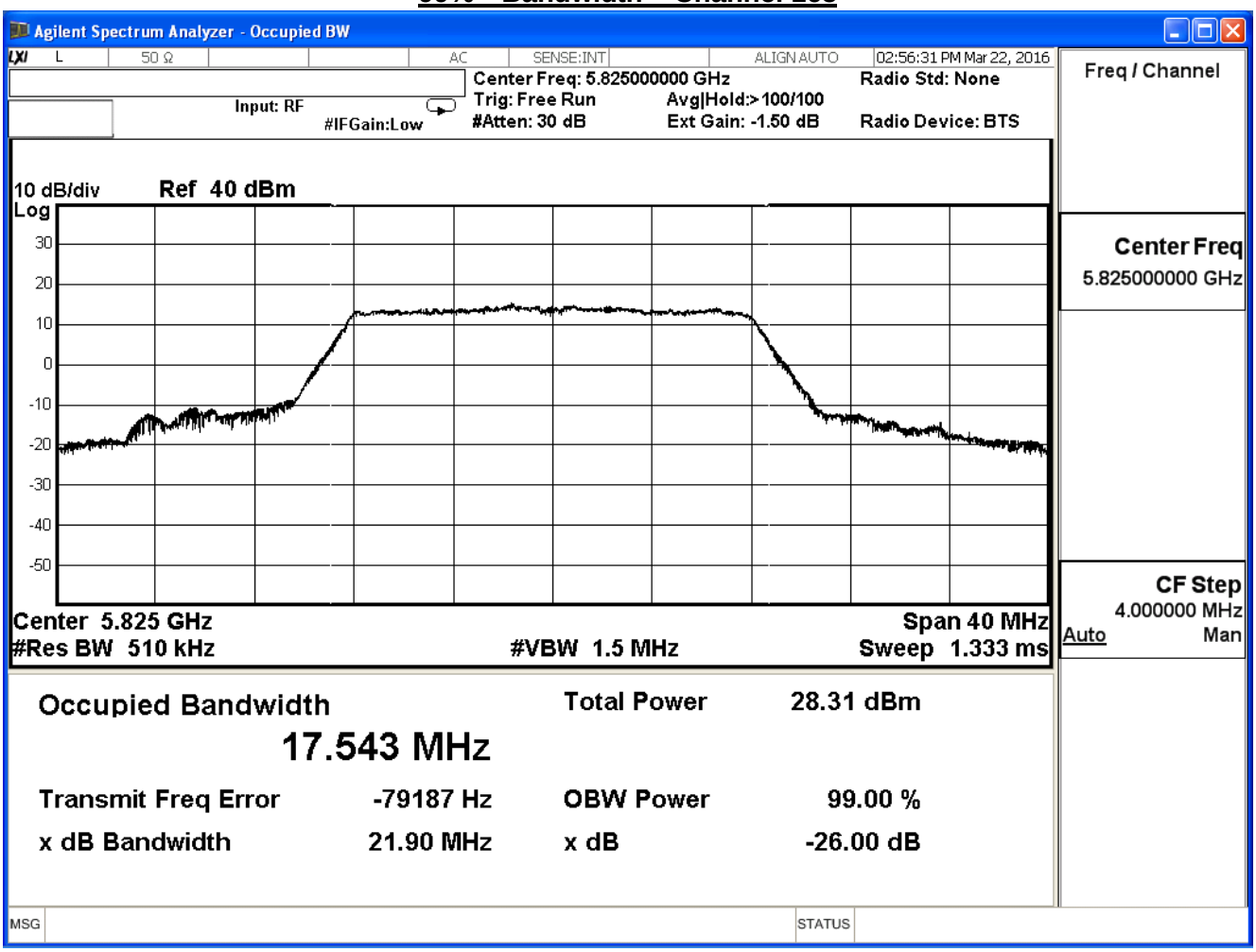
99% Bandwidth – Channel 149



99%　Bandwidth – Channel 157



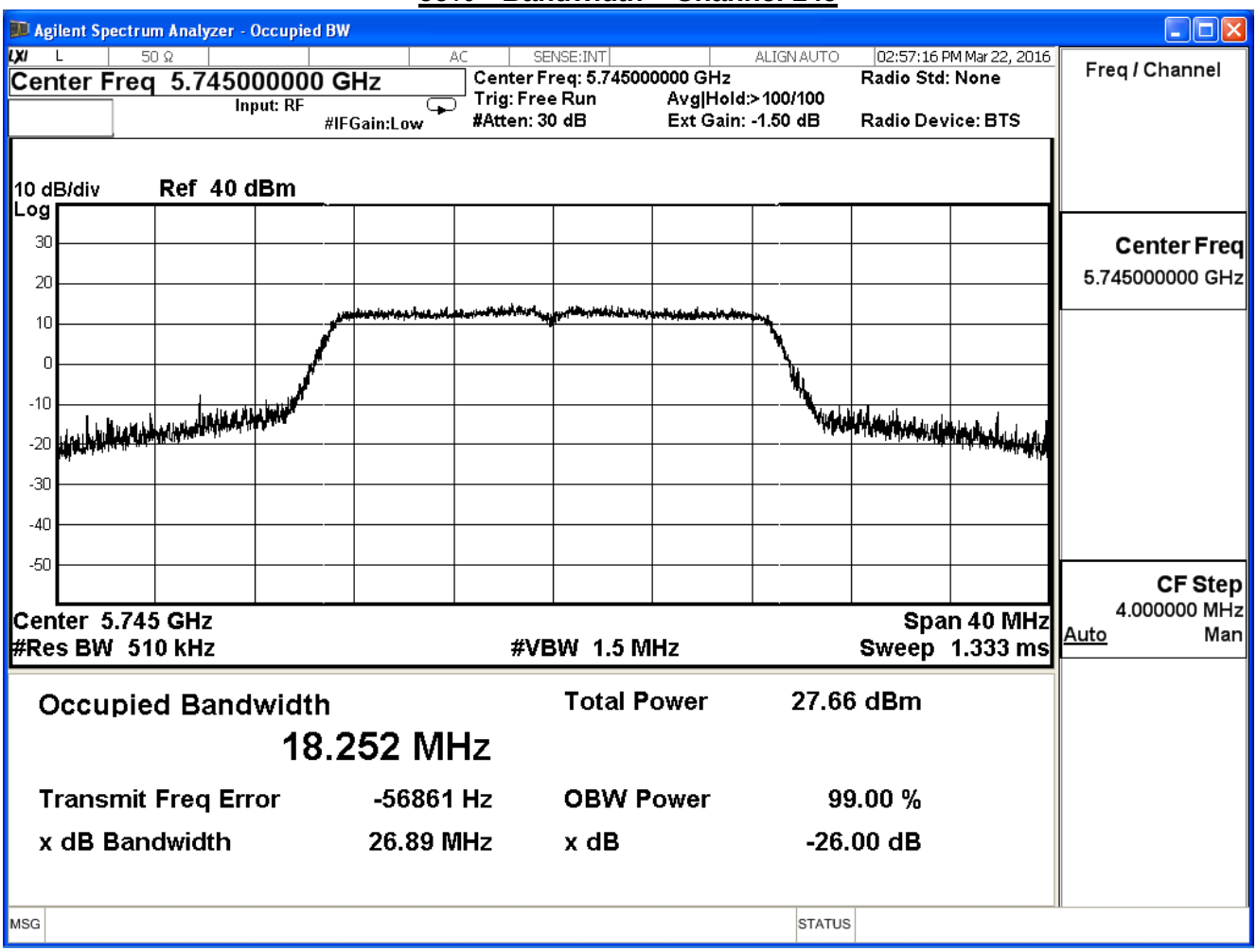
99%　Bandwidth – Channel 165



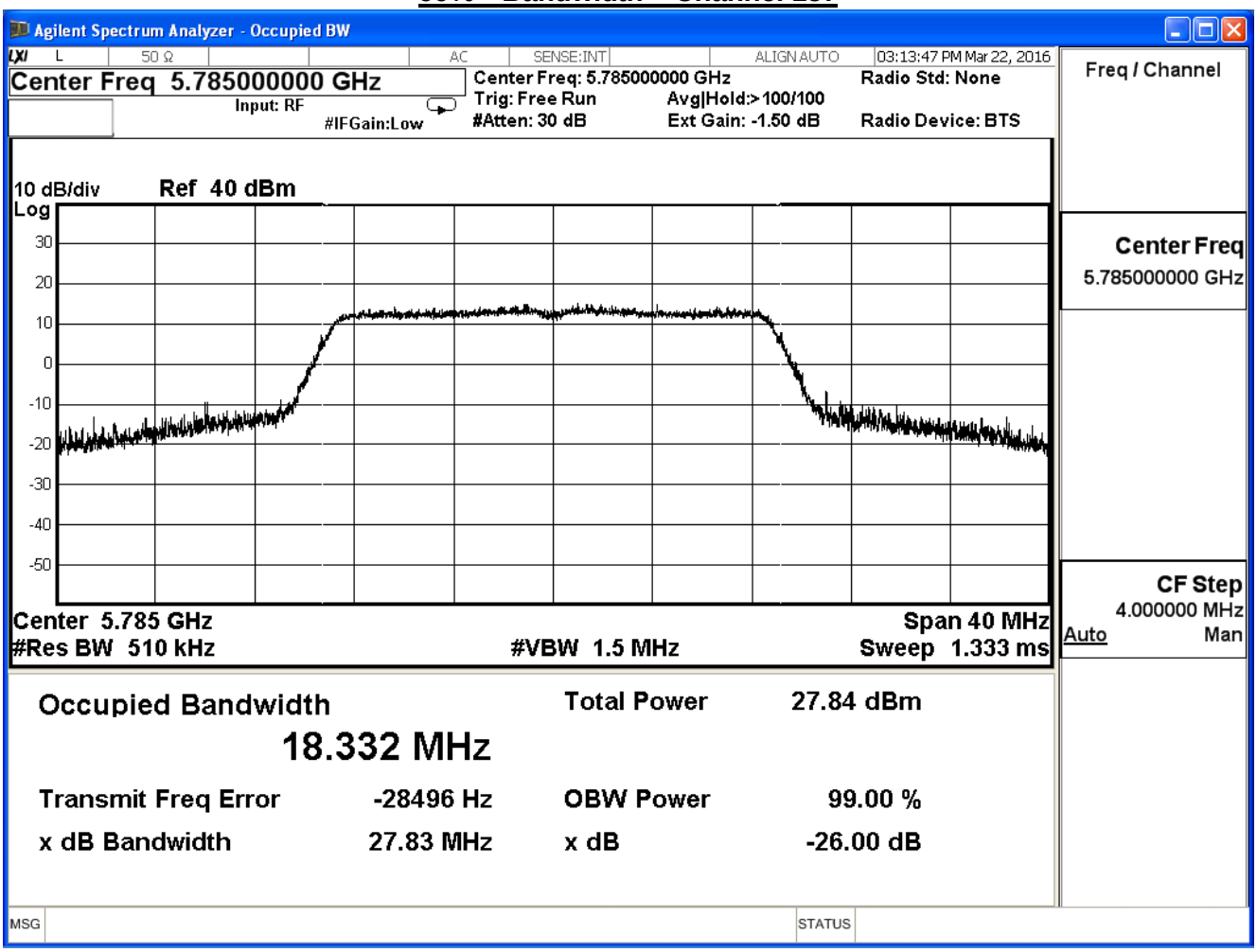
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	99% Bandwidth		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/22	Test Site	SR7

802.11n_20M(ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
149	5745	18.252	--
157	5785	18.332	--
165	5825	18.296	--

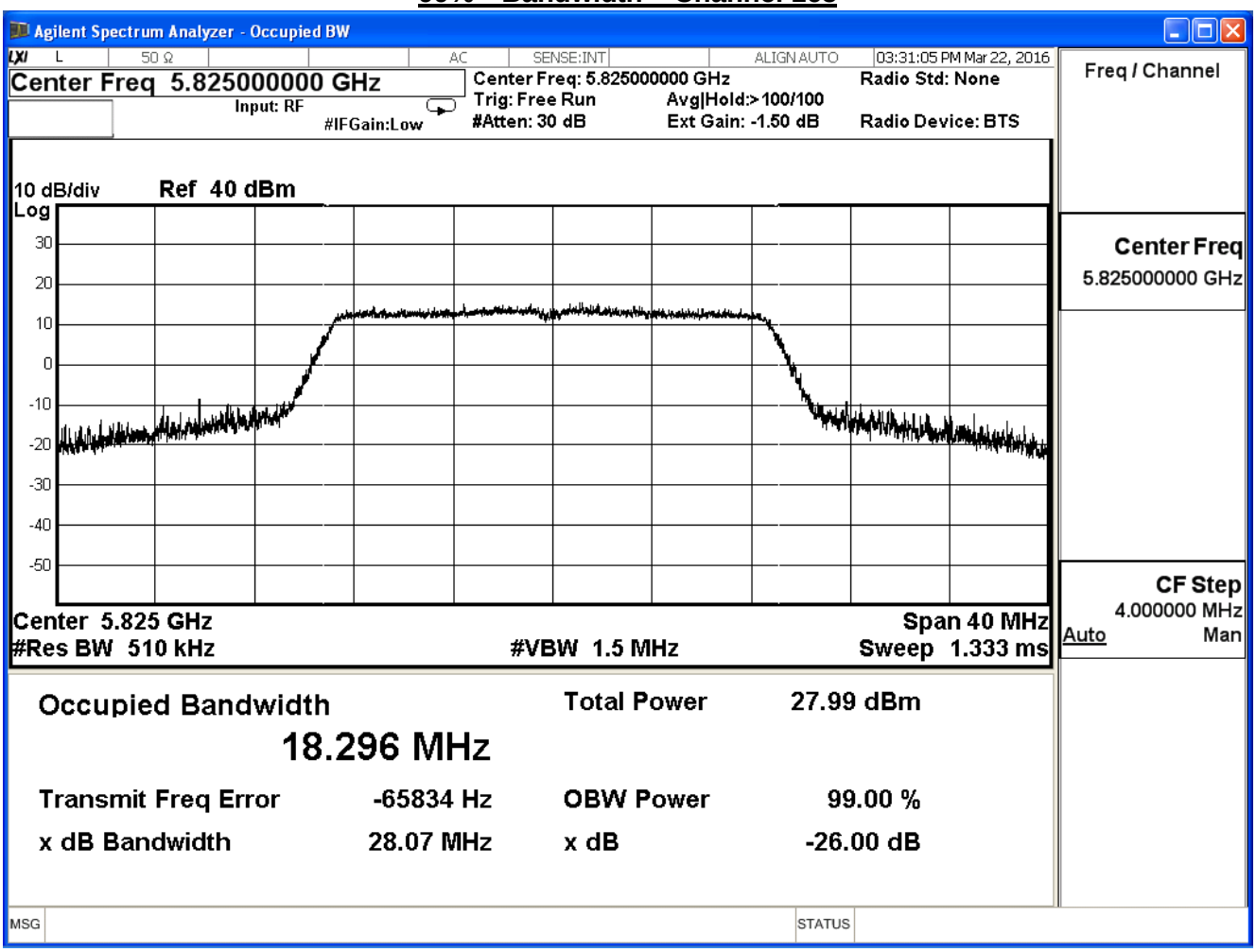
99% Bandwidth – Channel 149



99%　Bandwidth – Channel 157



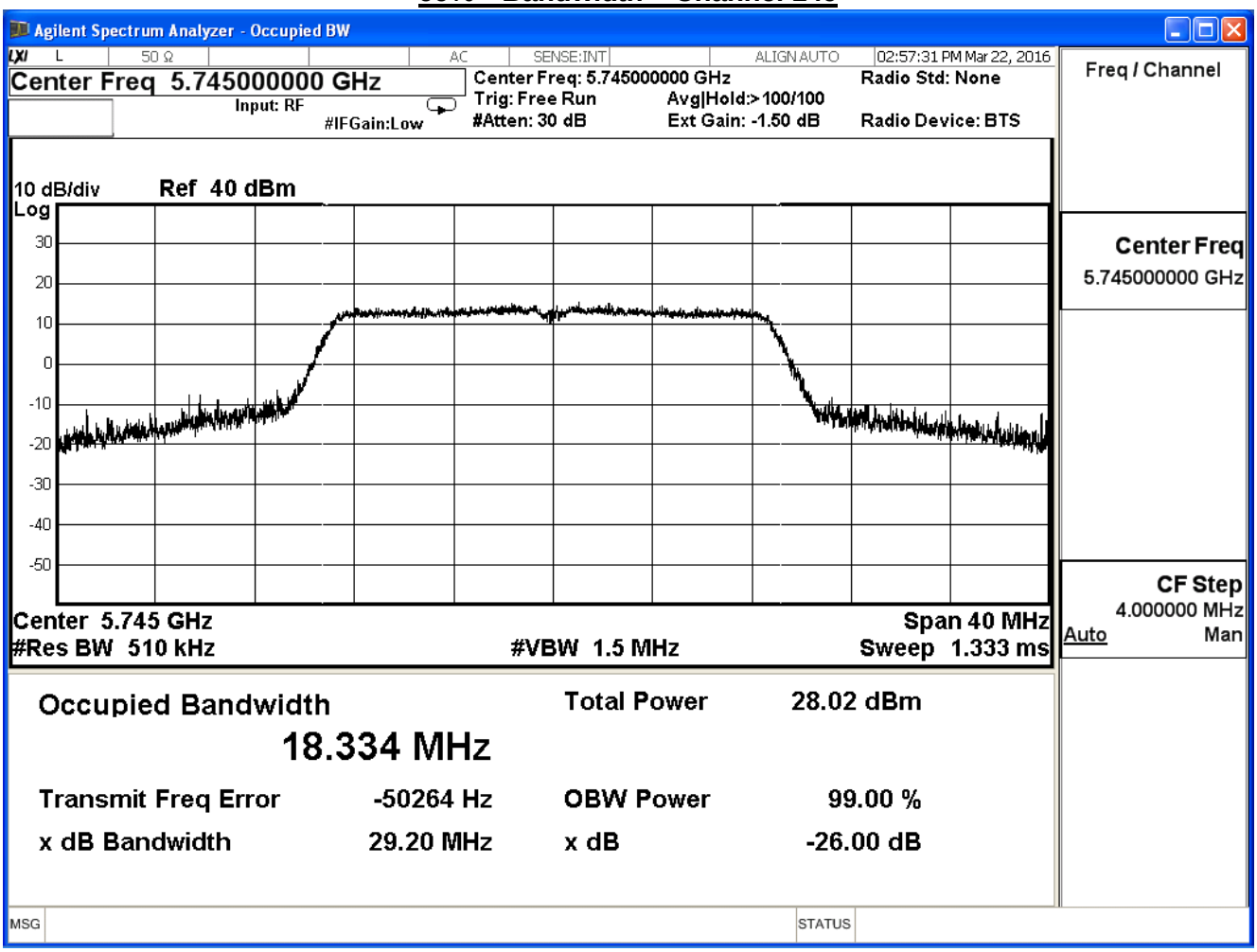
99%　Bandwidth – Channel 165



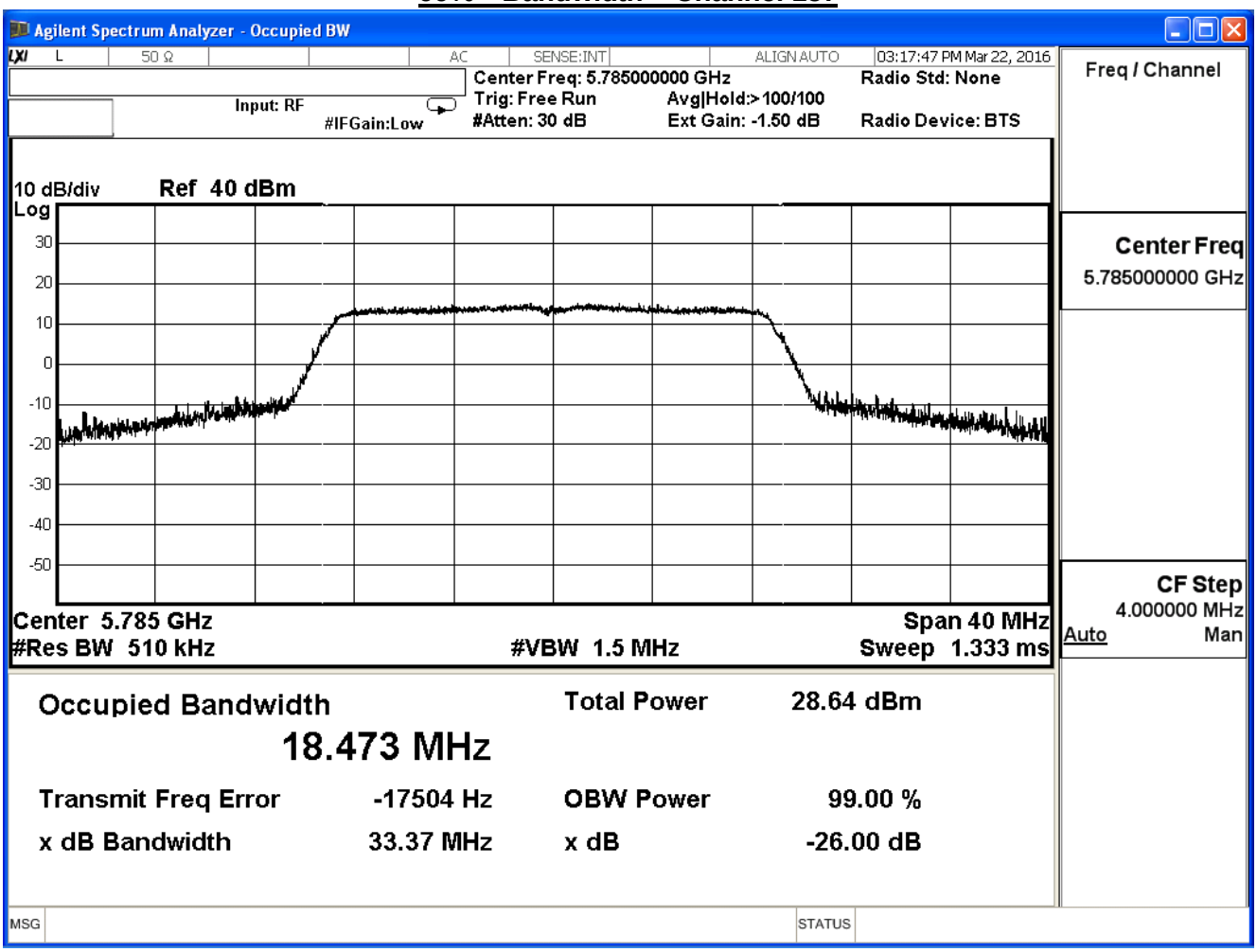
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	99% Bandwidth		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/22	Test Site	SR7

802.11n_20M(ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
149	5745	18.334	--
157	5785	18.473	--
165	5825	18.323	--

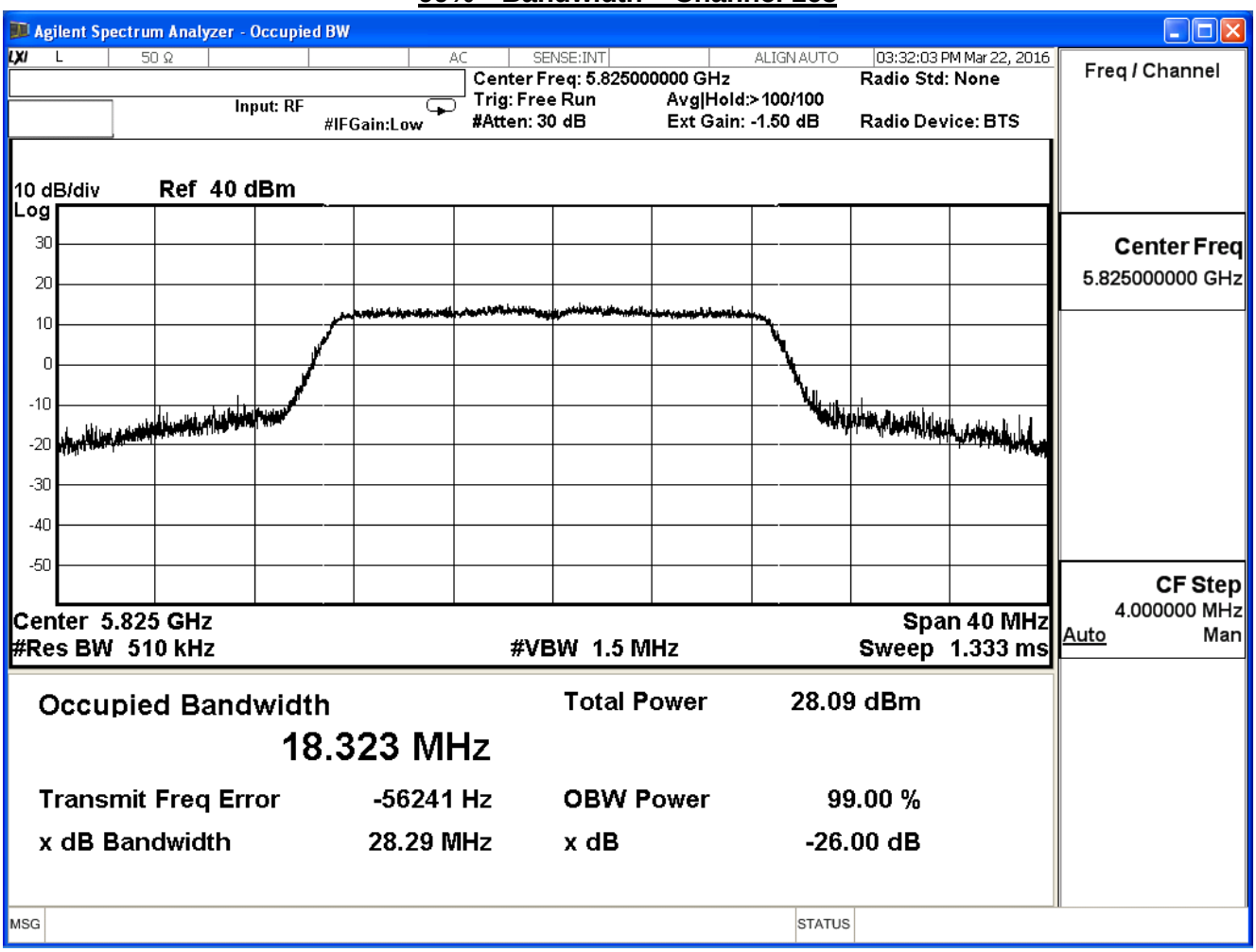
99% Bandwidth – Channel 149



99%　Bandwidth – Channel 157



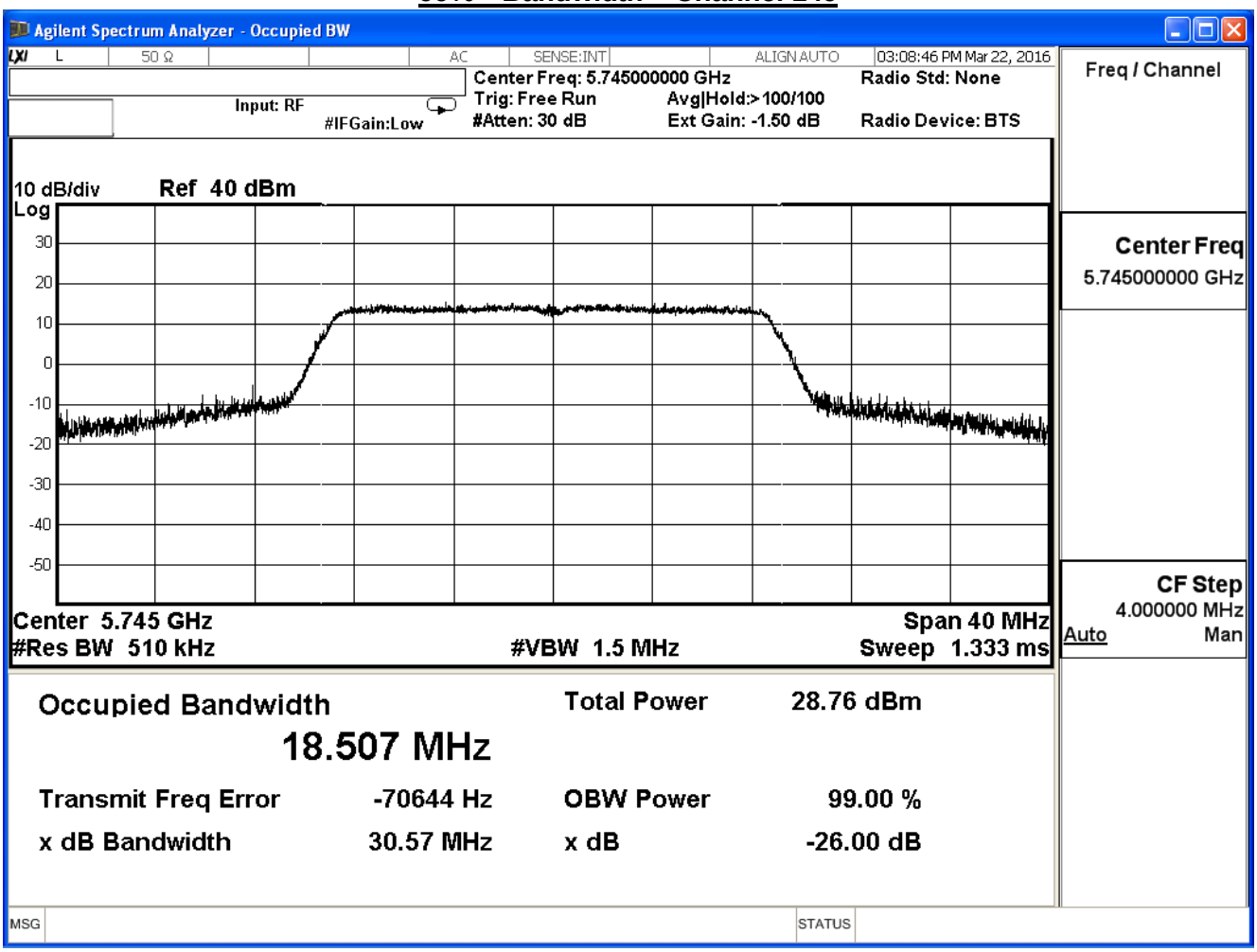
99%　Bandwidth – Channel 165



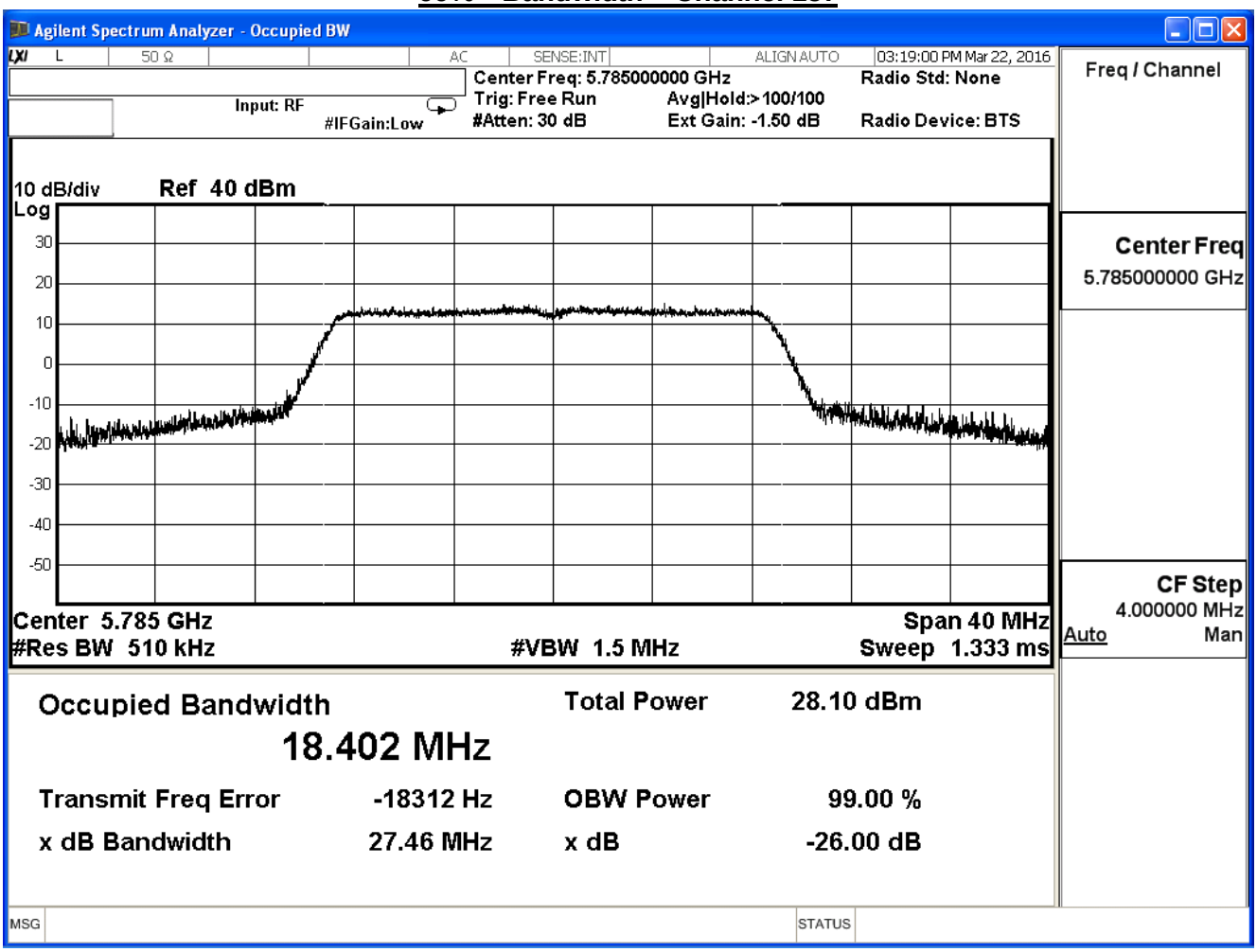
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	99% Bandwidth		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/22	Test Site	SR7

802.11n_20M(ANT 2)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
149	5745	18.507	--
157	5785	18.402	--
165	5825	18.318	--

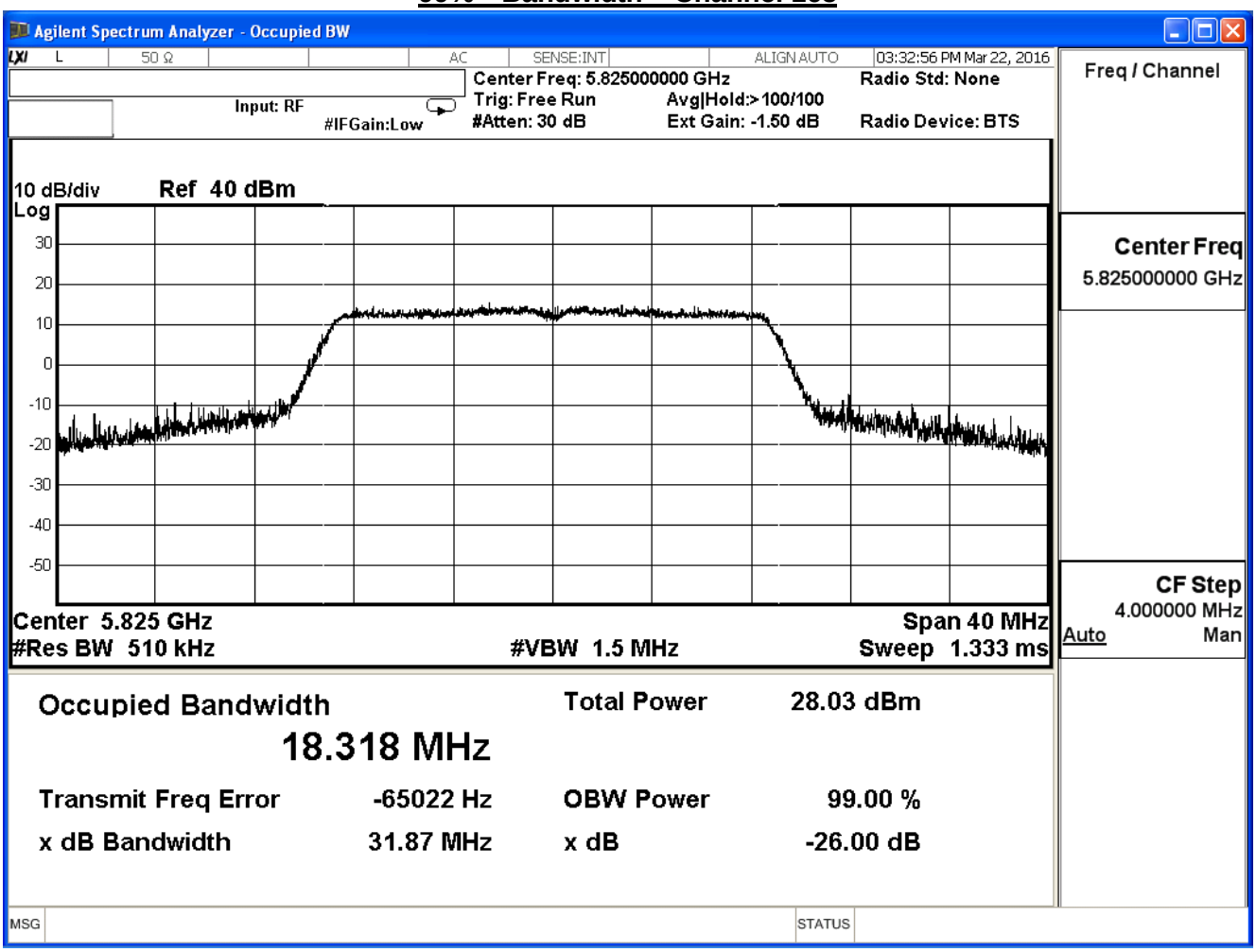
99% Bandwidth – Channel 149



99%　Bandwidth – Channel 157



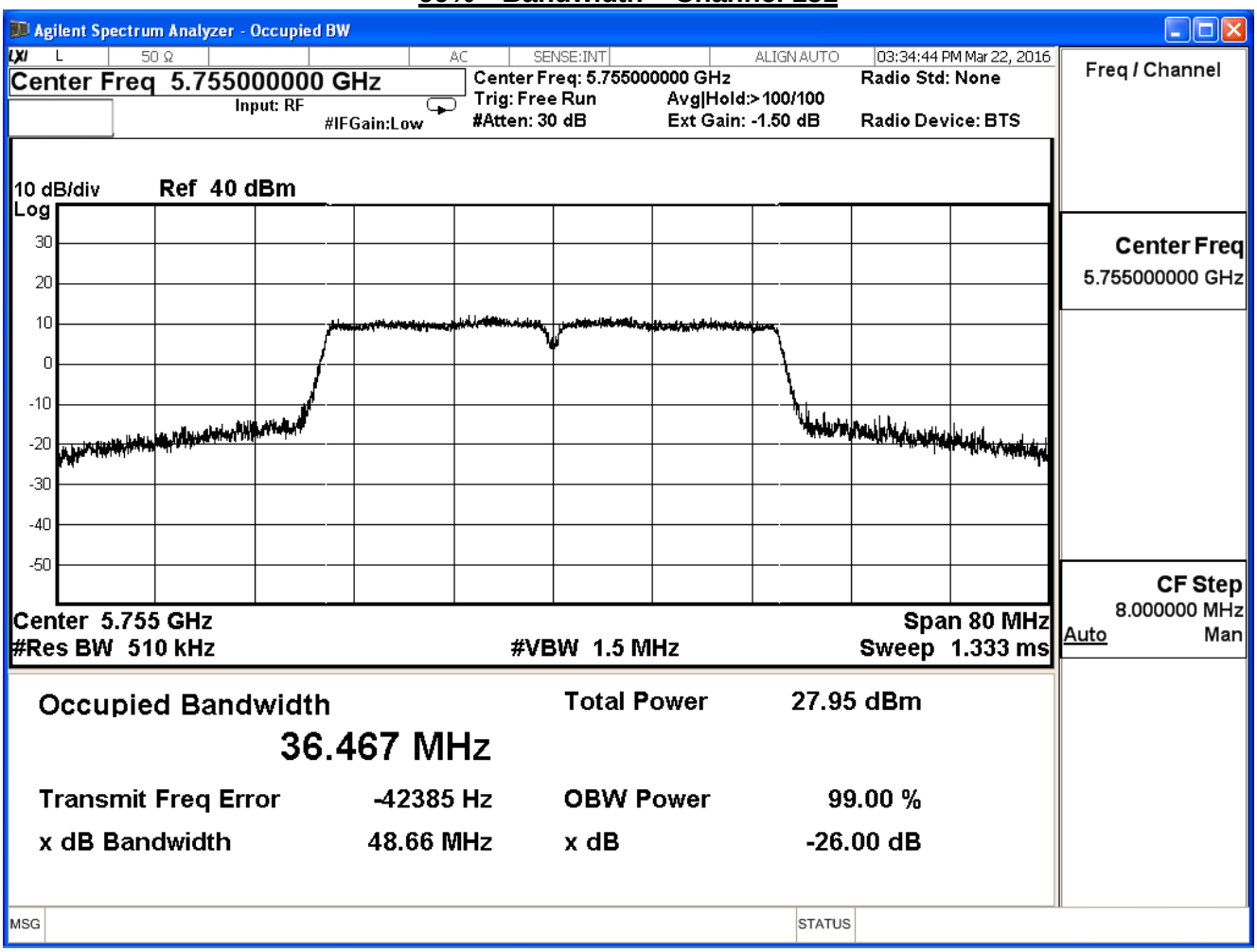
99%　Bandwidth – Channel 165



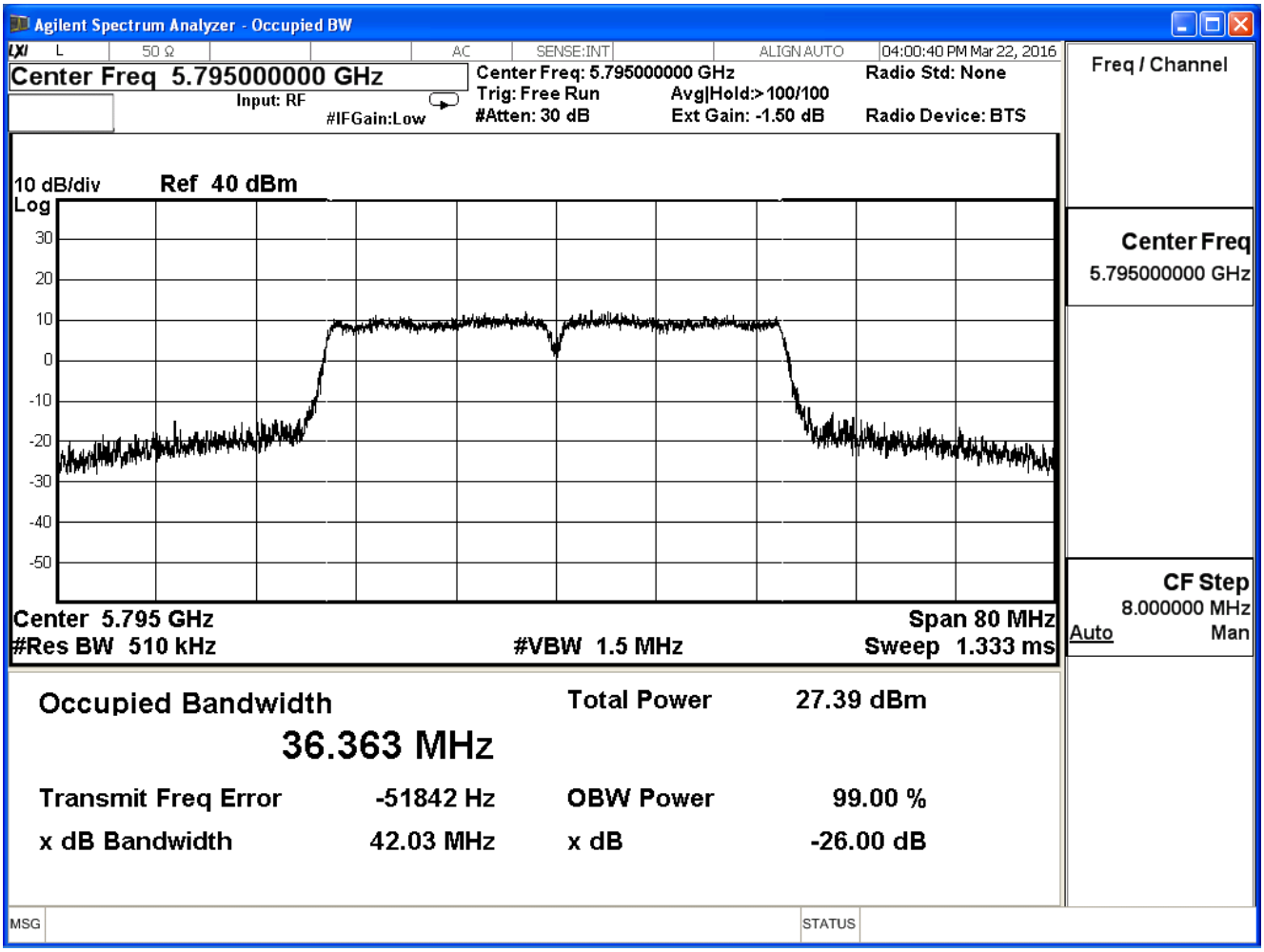
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	99% Bandwidth		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/22	Test Site	SR7

802.11n_40M(ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
151	5755	36.467	--
159	5795	36.363	--

99% Bandwidth – Channel 151



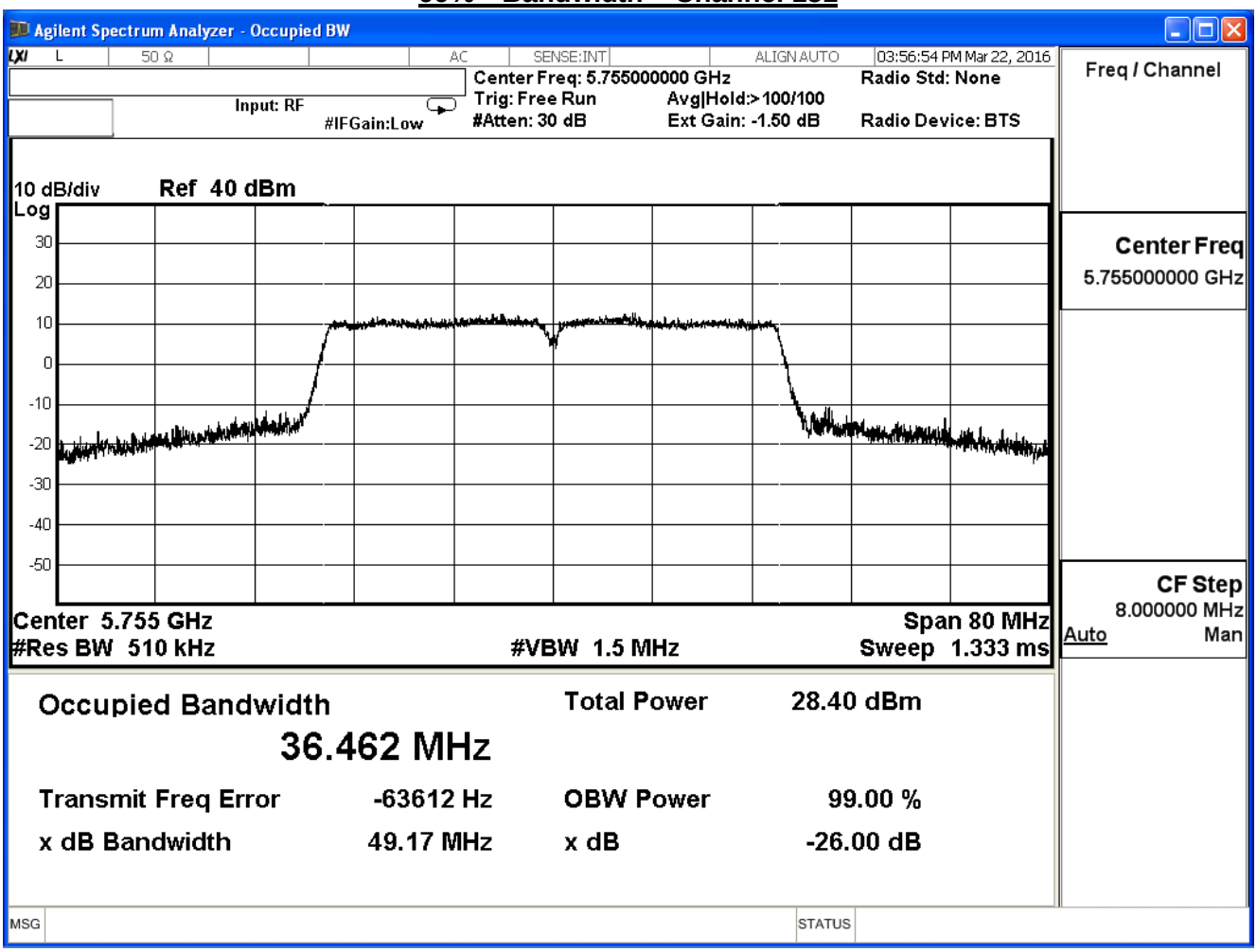
99%　Bandwidth – Channel 159



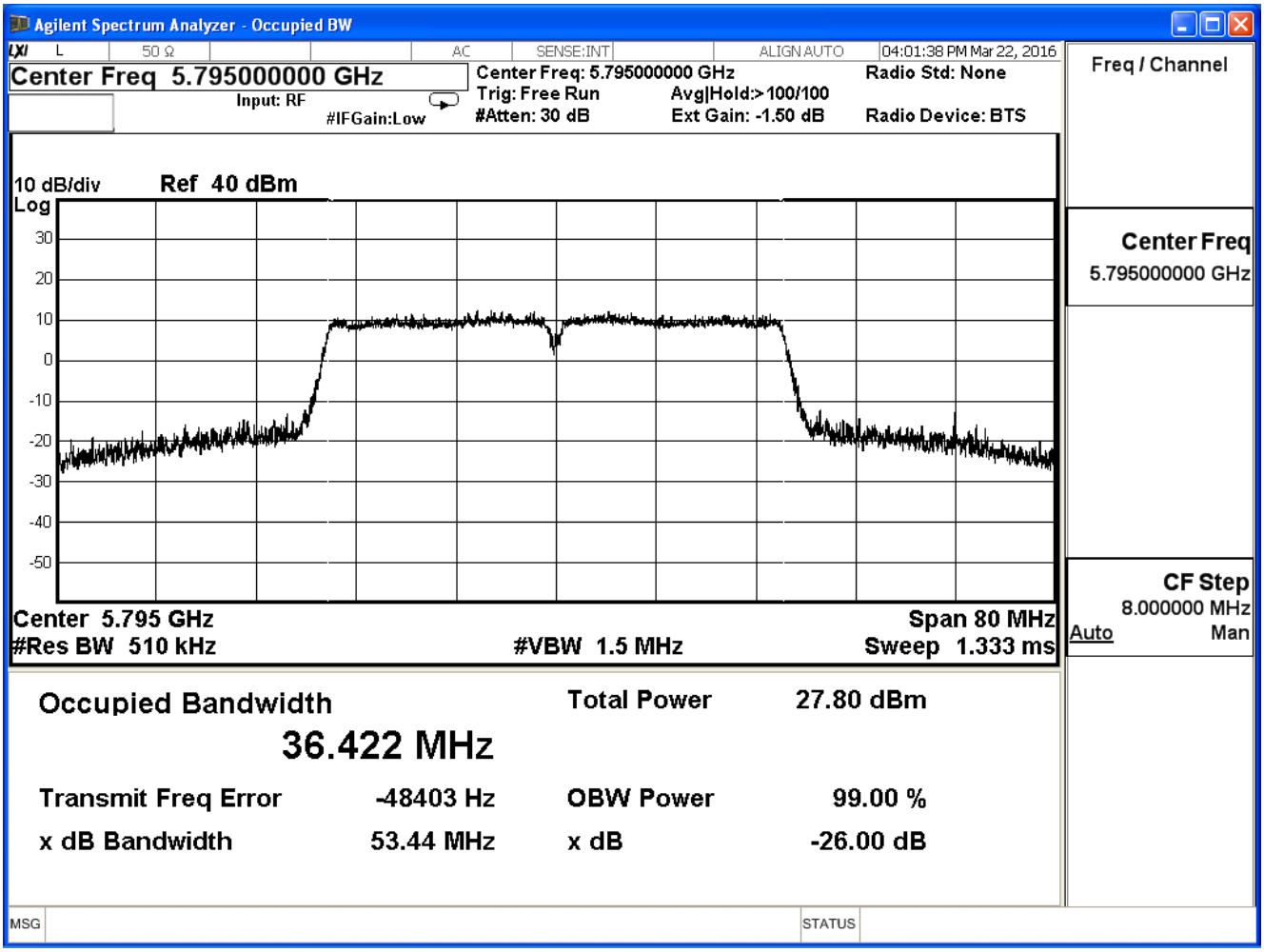
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	99% Bandwidth		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/22	Test Site	SR7

802.11n_40M(ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
151	5755	36.462	--
159	5795	36.422	--

99% Bandwidth – Channel 151



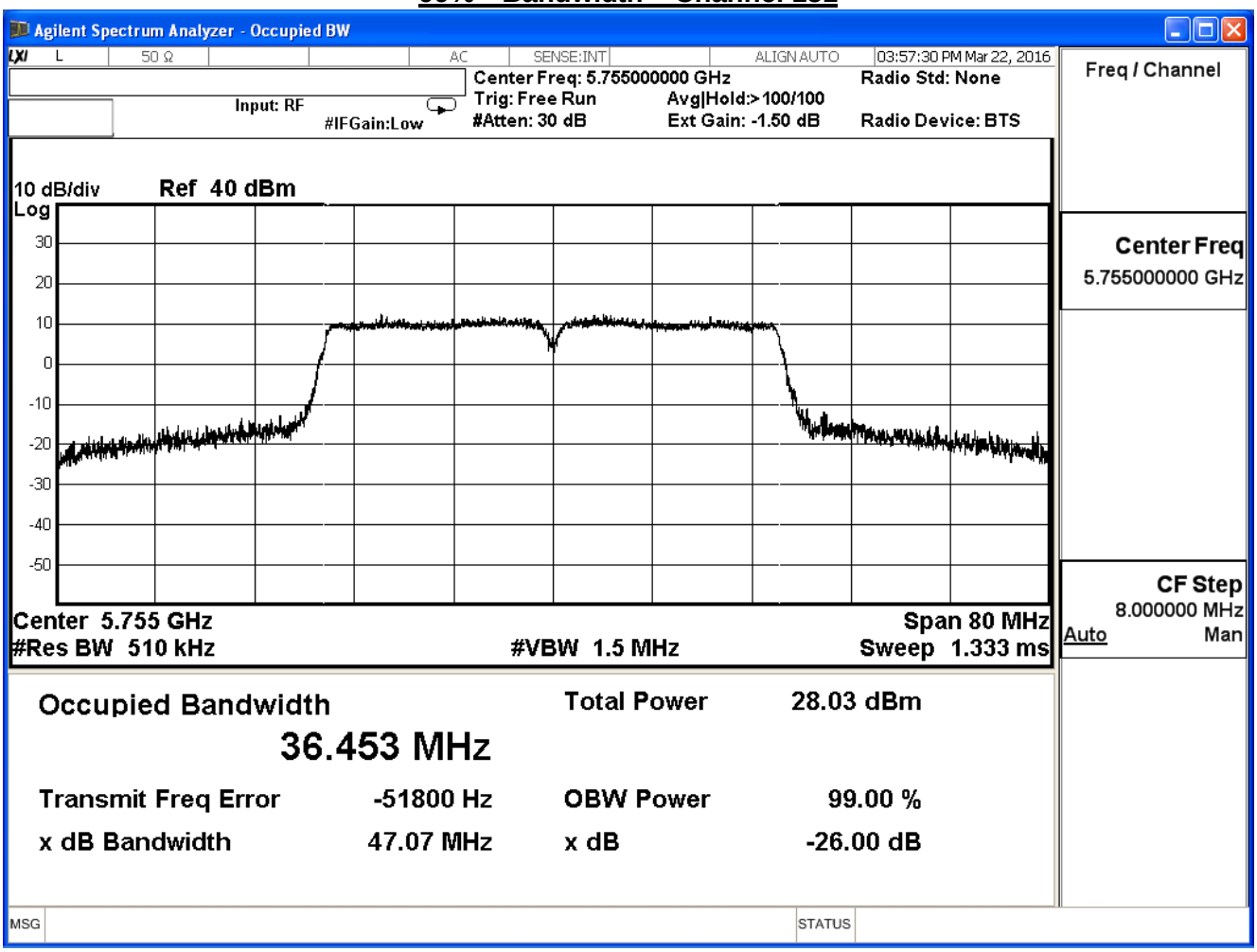
99%　Bandwidth – Channel 159



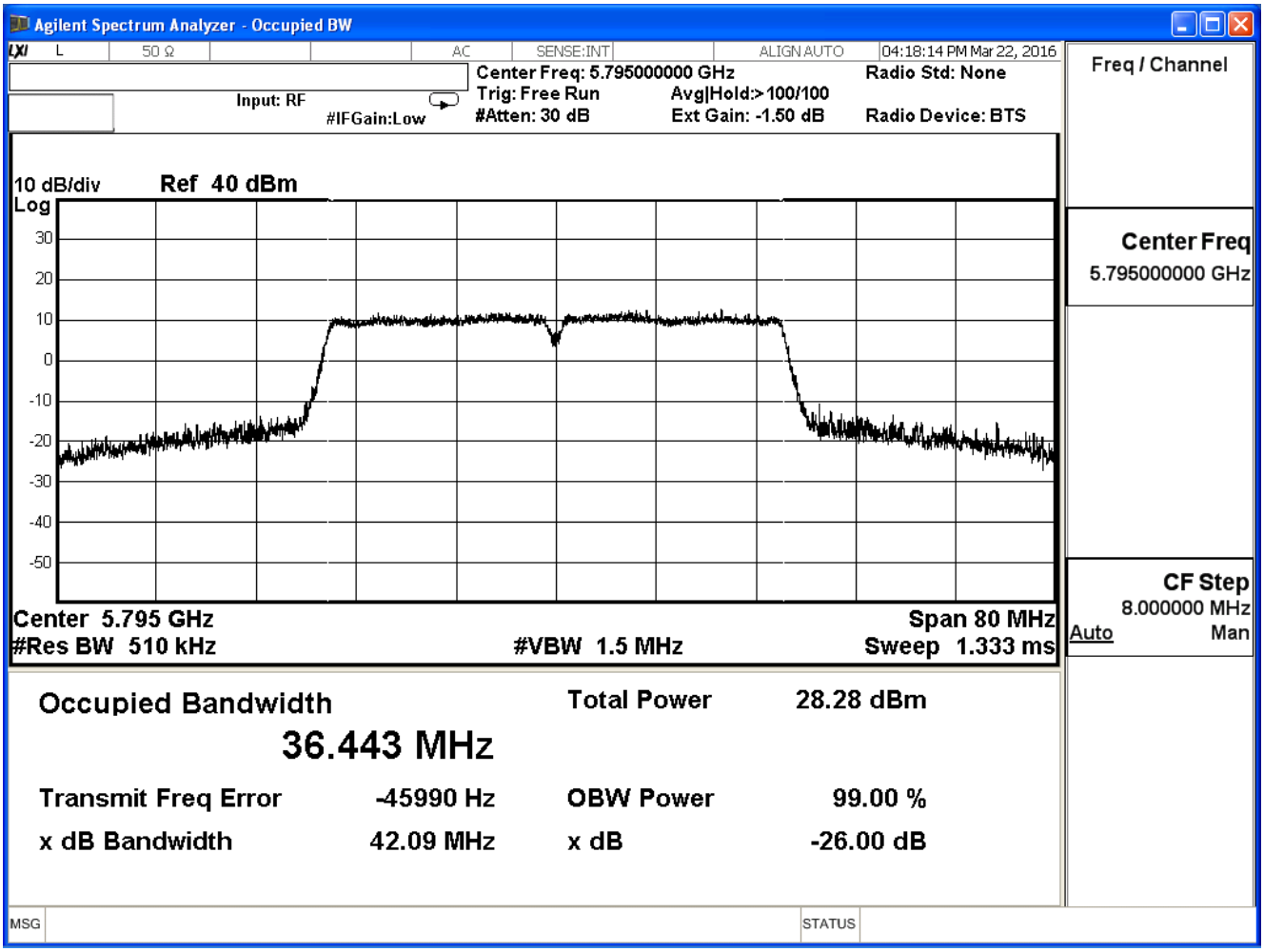
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	99% Bandwidth		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/22	Test Site	SR7

802.11n_40M(ANT 2)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
151	5755	36.453	--
159	5795	36.443	--

99% Bandwidth – Channel 151



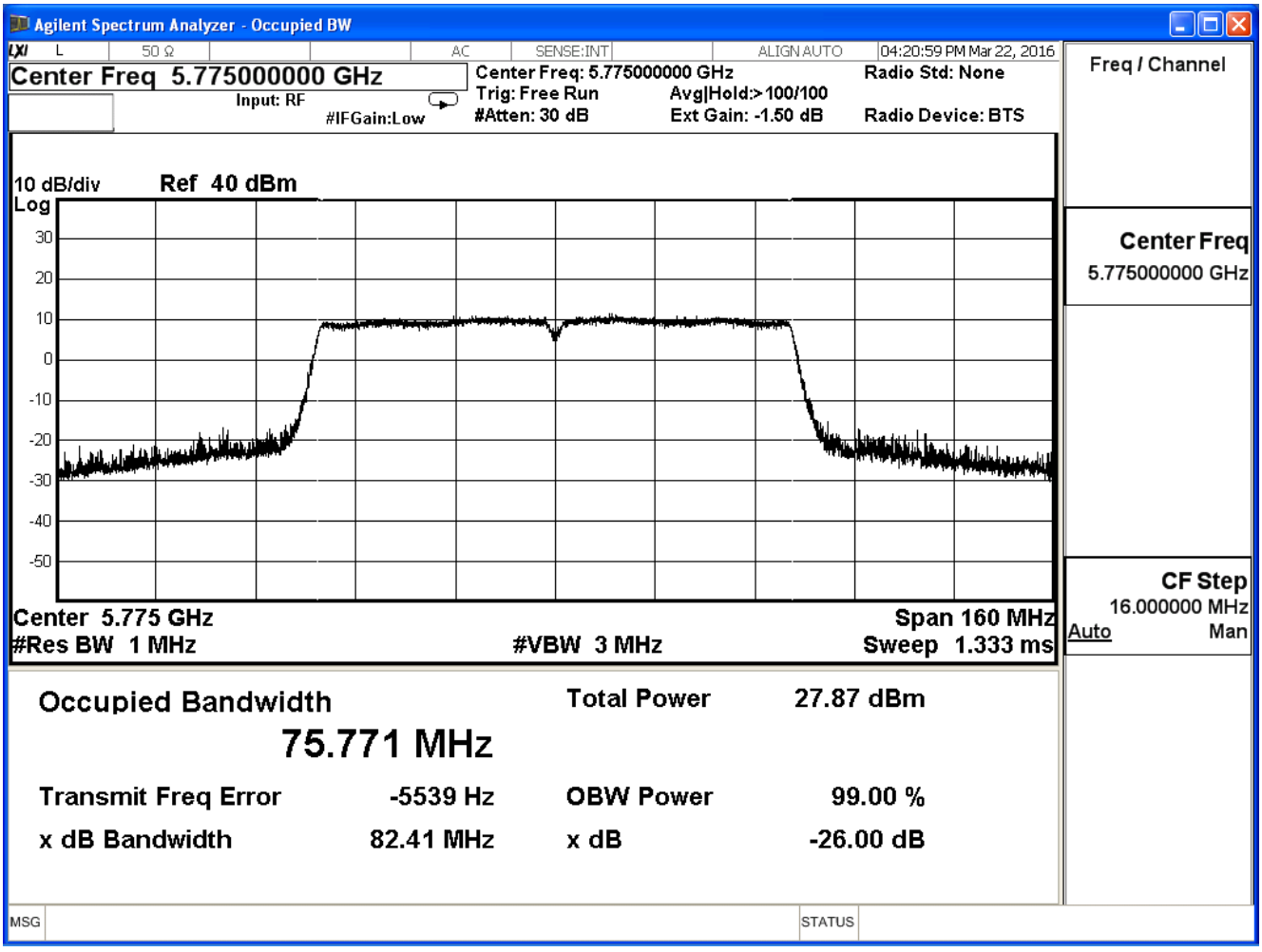
99%　Bandwidth – Channel 159



Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	99% Bandwidth		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/22	Test Site	SR7

802.11ac_80M(ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
155	5775	75.771	--

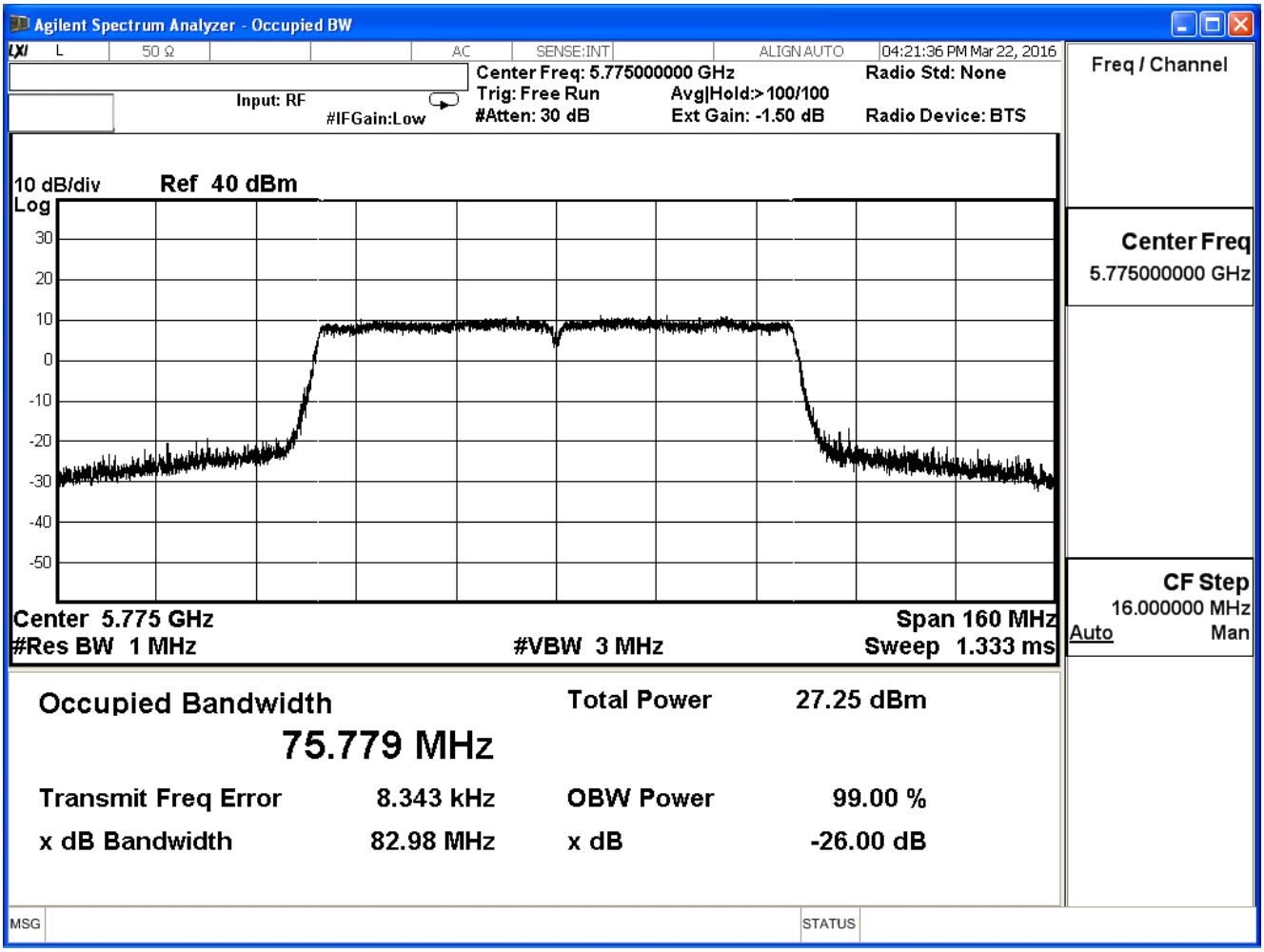
99% Bandwidth – Channel 155



Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	99% Bandwidth		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/22	Test Site	SR7

802.11ac_80M(ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
155	5775	75.779	--

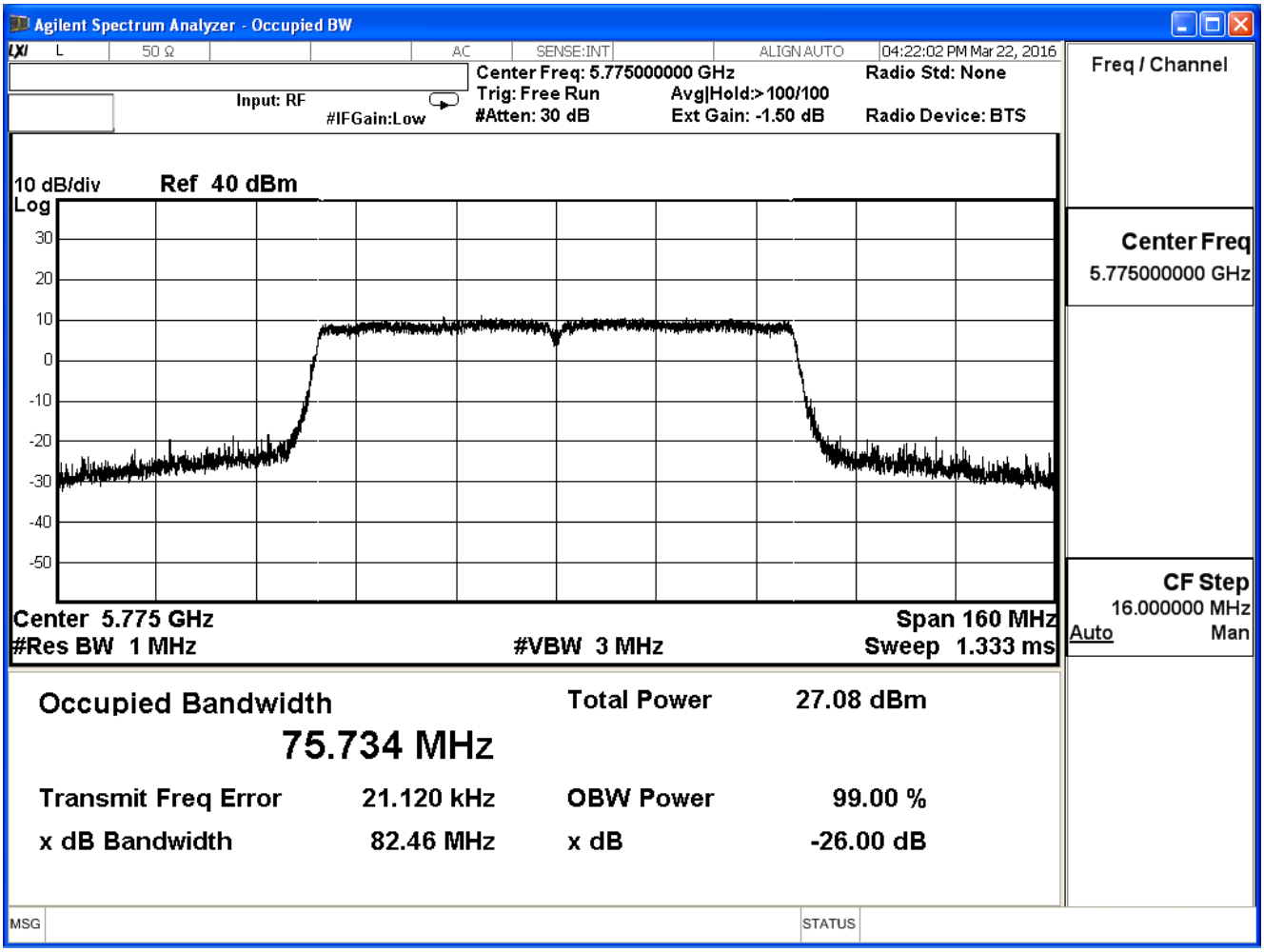
99% Bandwidth – Channel 155



Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	99% Bandwidth		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/22	Test Site	SR7

802.11ac_80M(ANT 2)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
155	5775	75.734	--

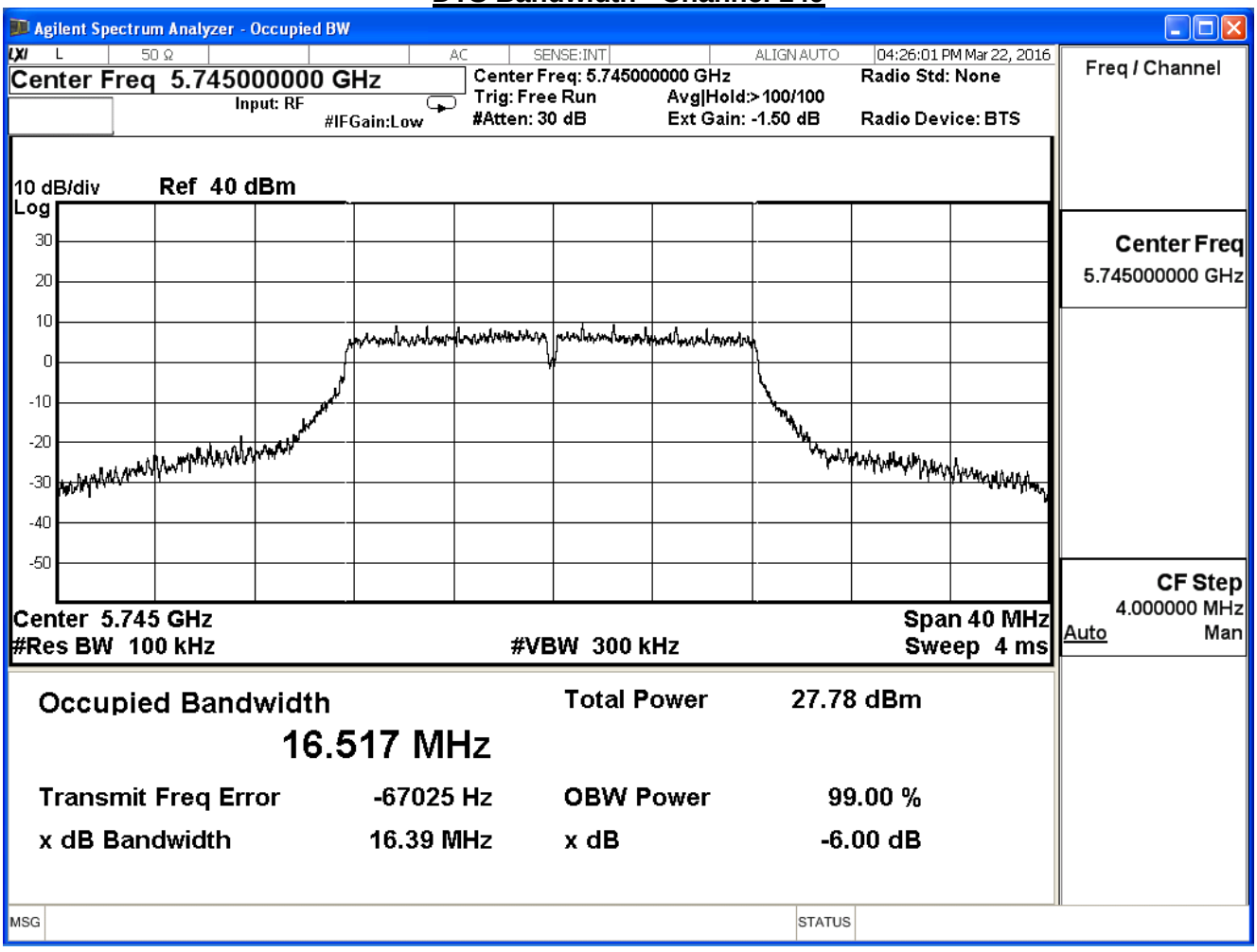
99% Bandwidth – Channel 155



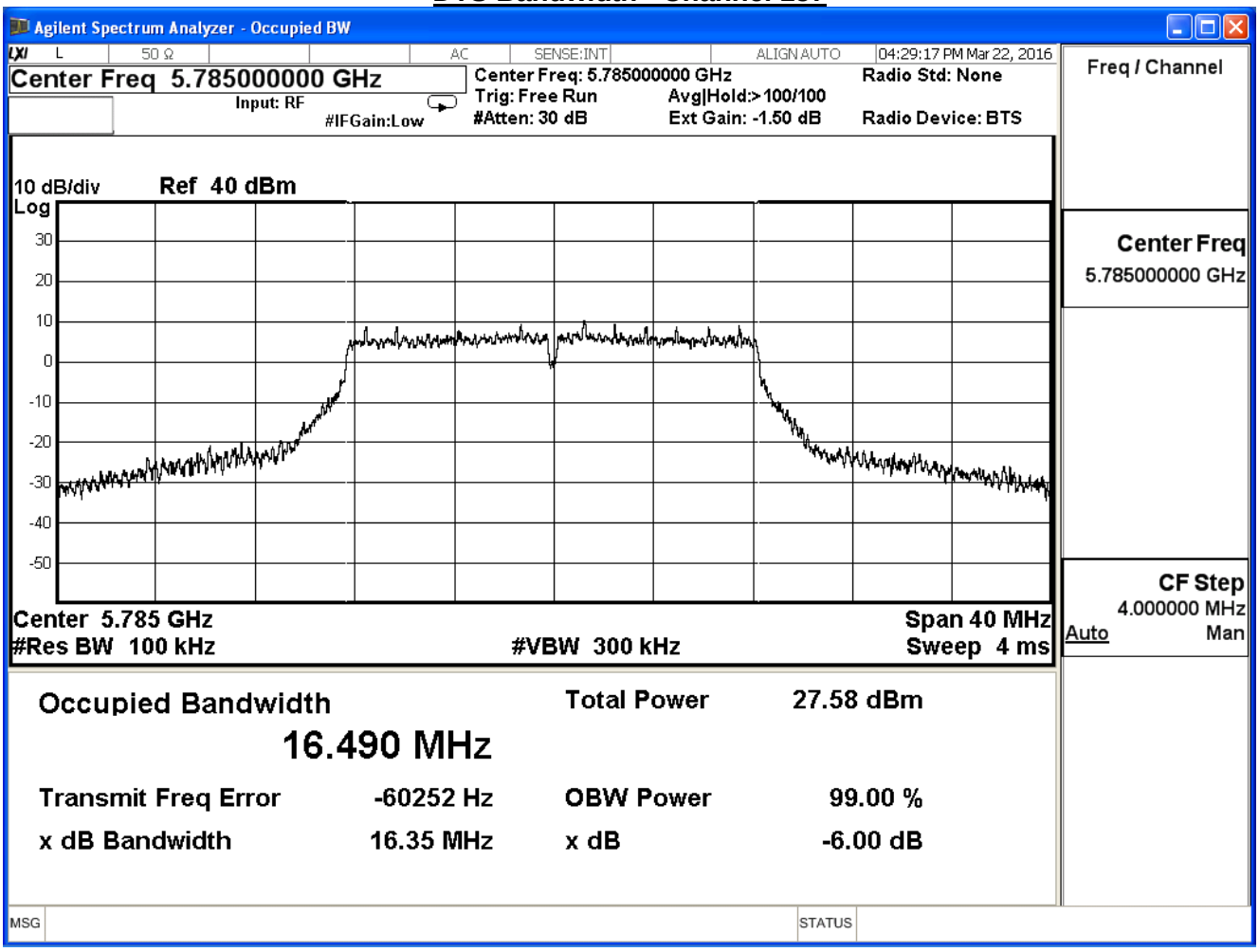
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/22	Test Site	SR7

802.11 a (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
149	5745	16.39	≧0.5
157	5785	16.35	≧0.5
165	5825	16.36	≧0.5

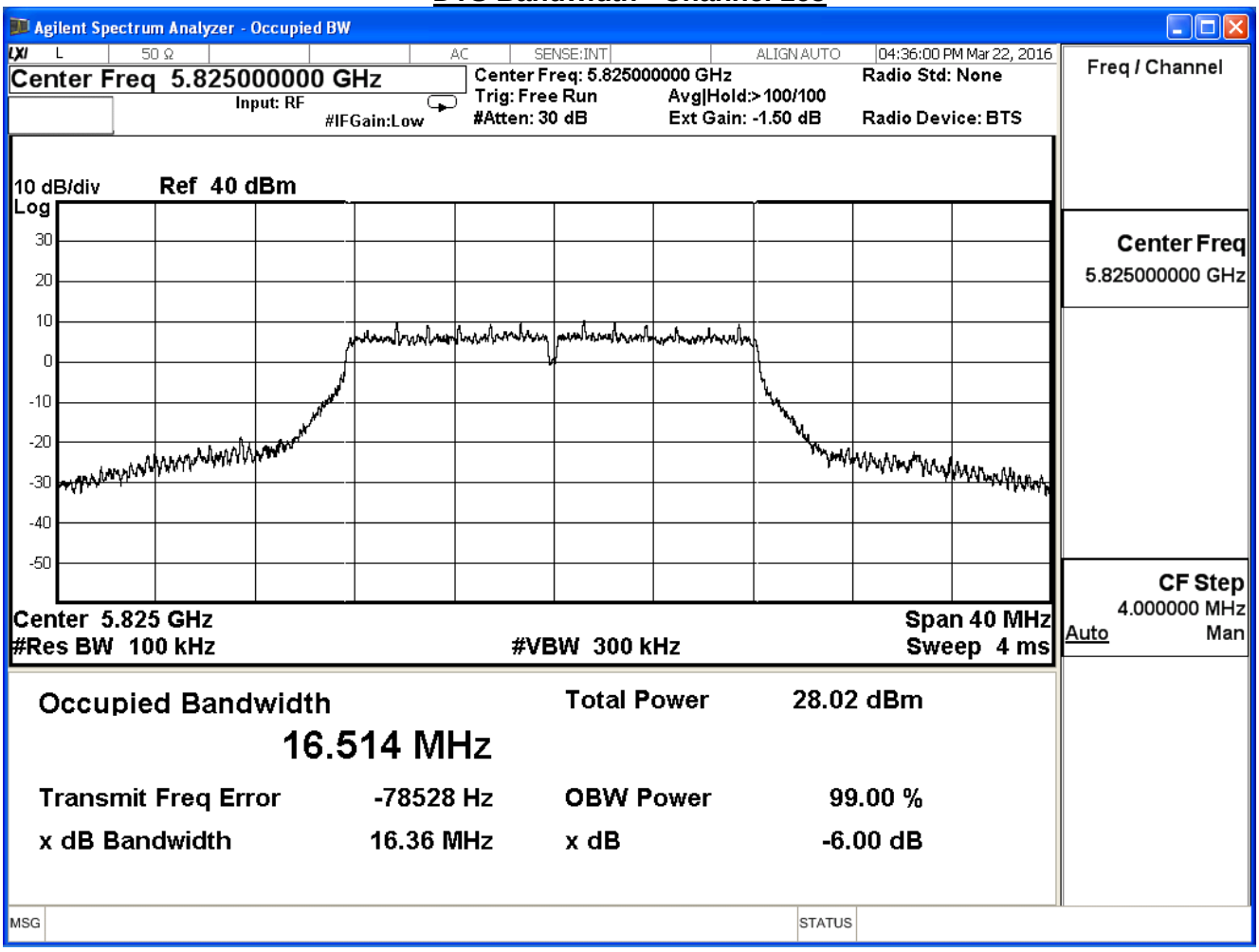
DTS Bandwidth - Channel 149



DTS Bandwidth - Channel 157



DTS Bandwidth - Channel 165

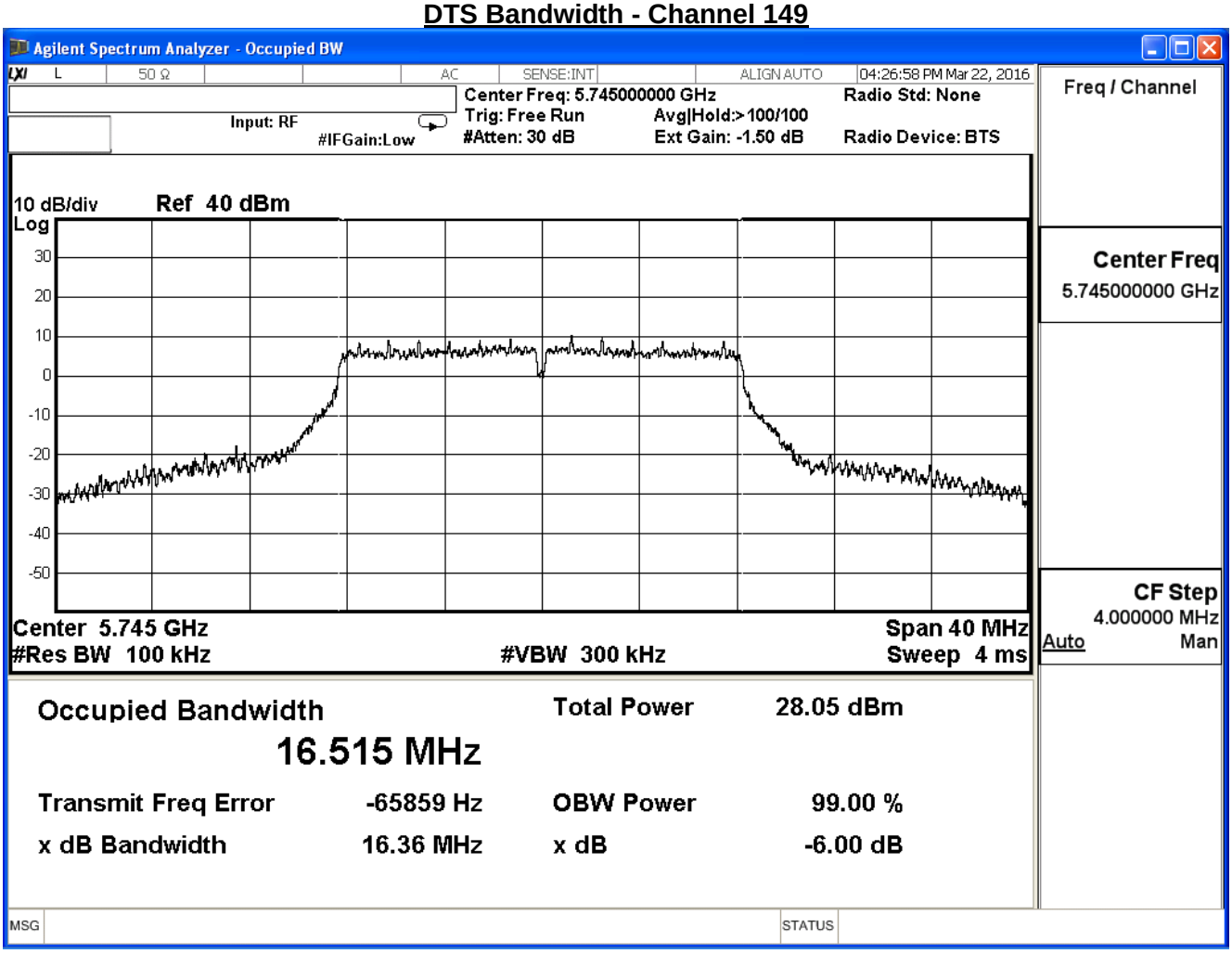


Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/22	Test Site	SR7

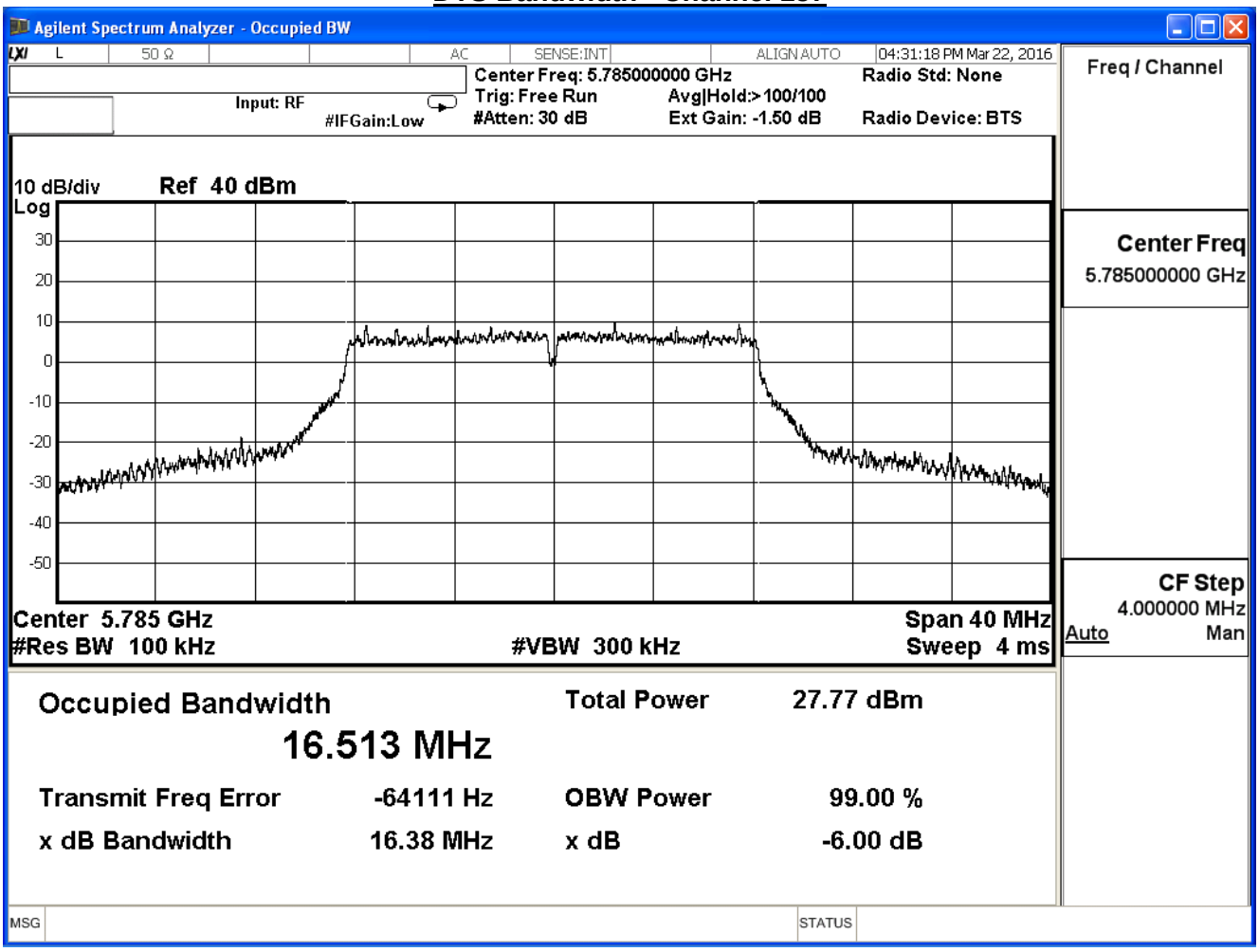
802.11 a (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
149	5745	16.36	≧0.5
157	5785	16.38	≧0.5
165	5825	16.40	≧0.5

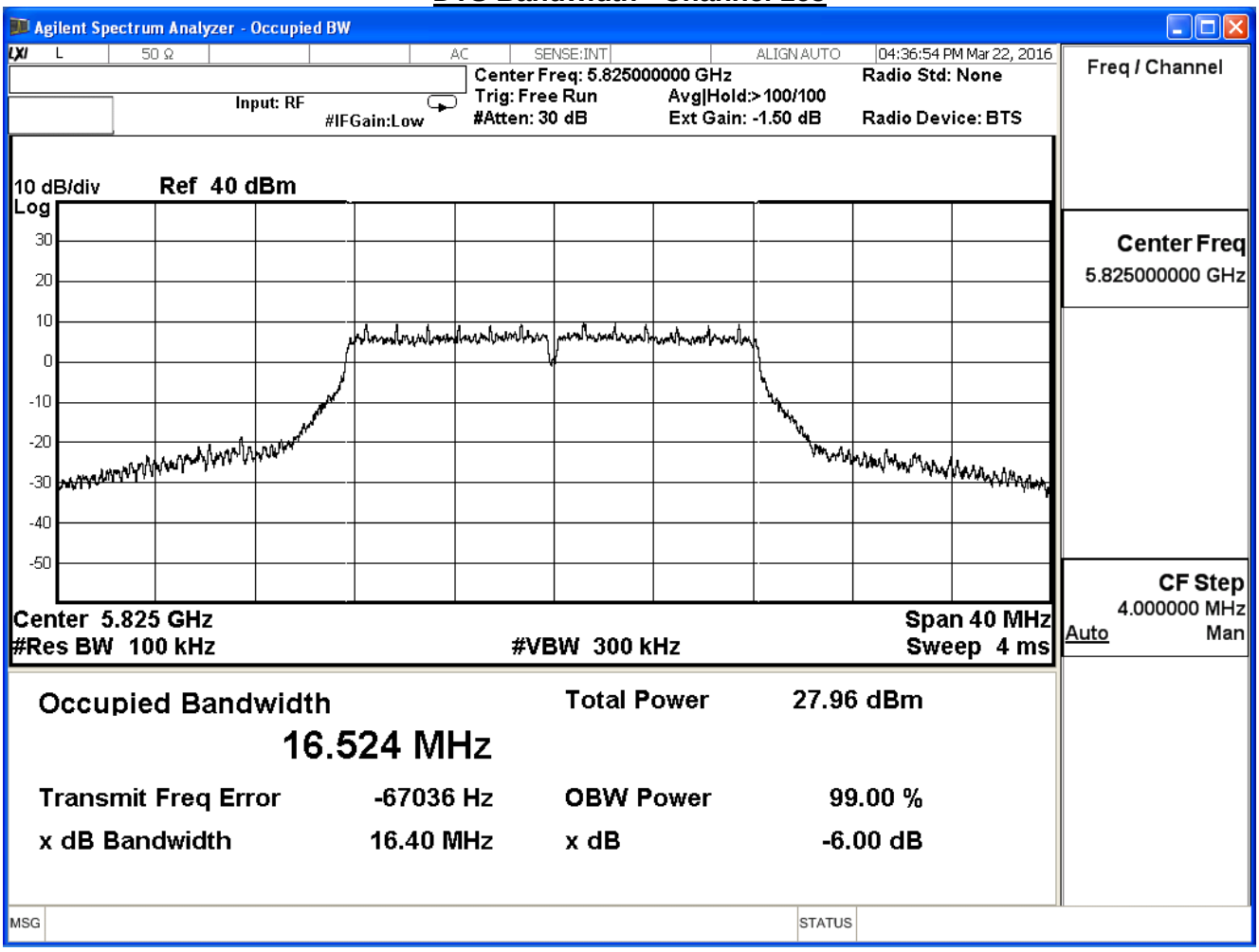
DTS Bandwidth - Channel 149



DTS Bandwidth - Channel 157



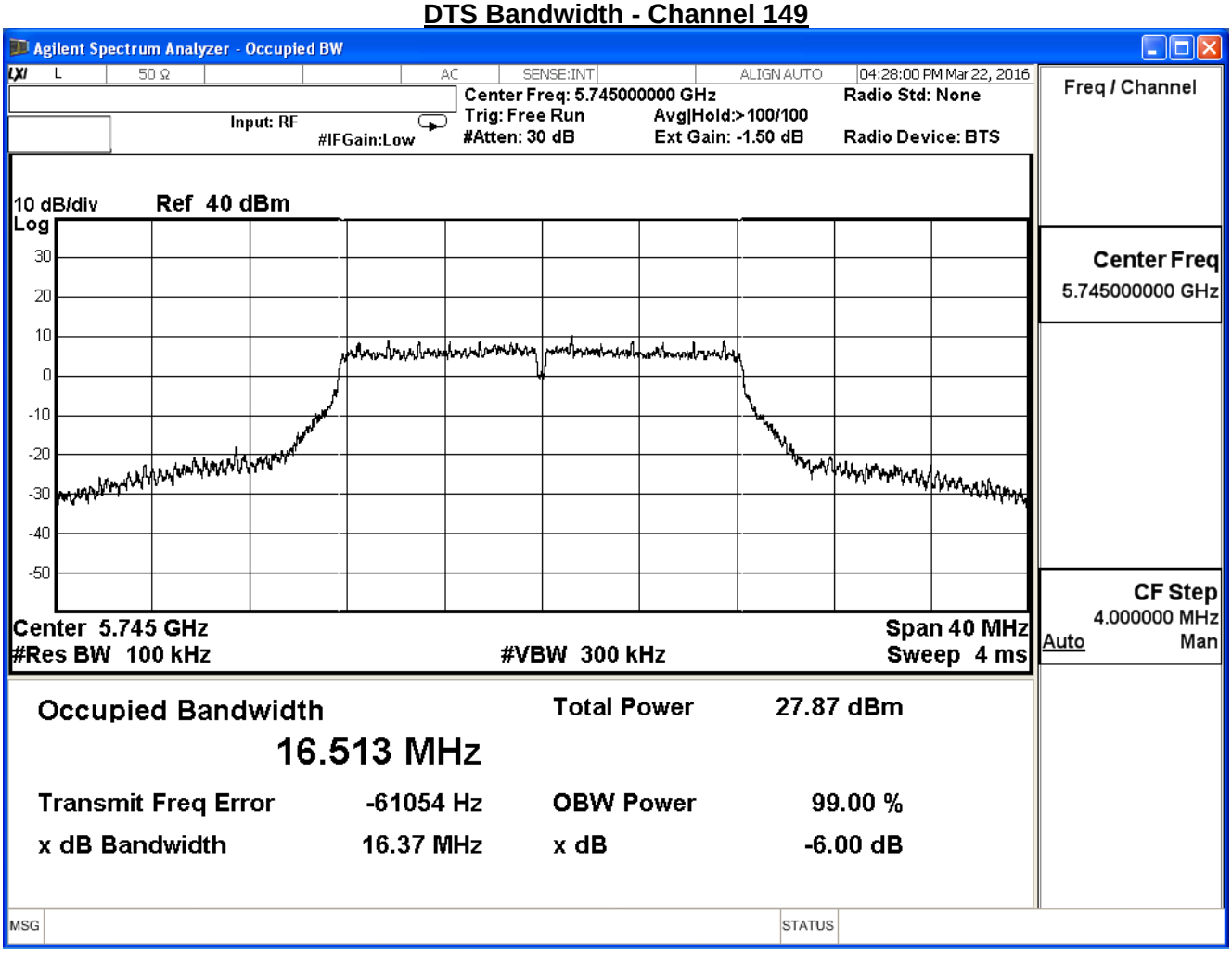
DTS Bandwidth - Channel 165



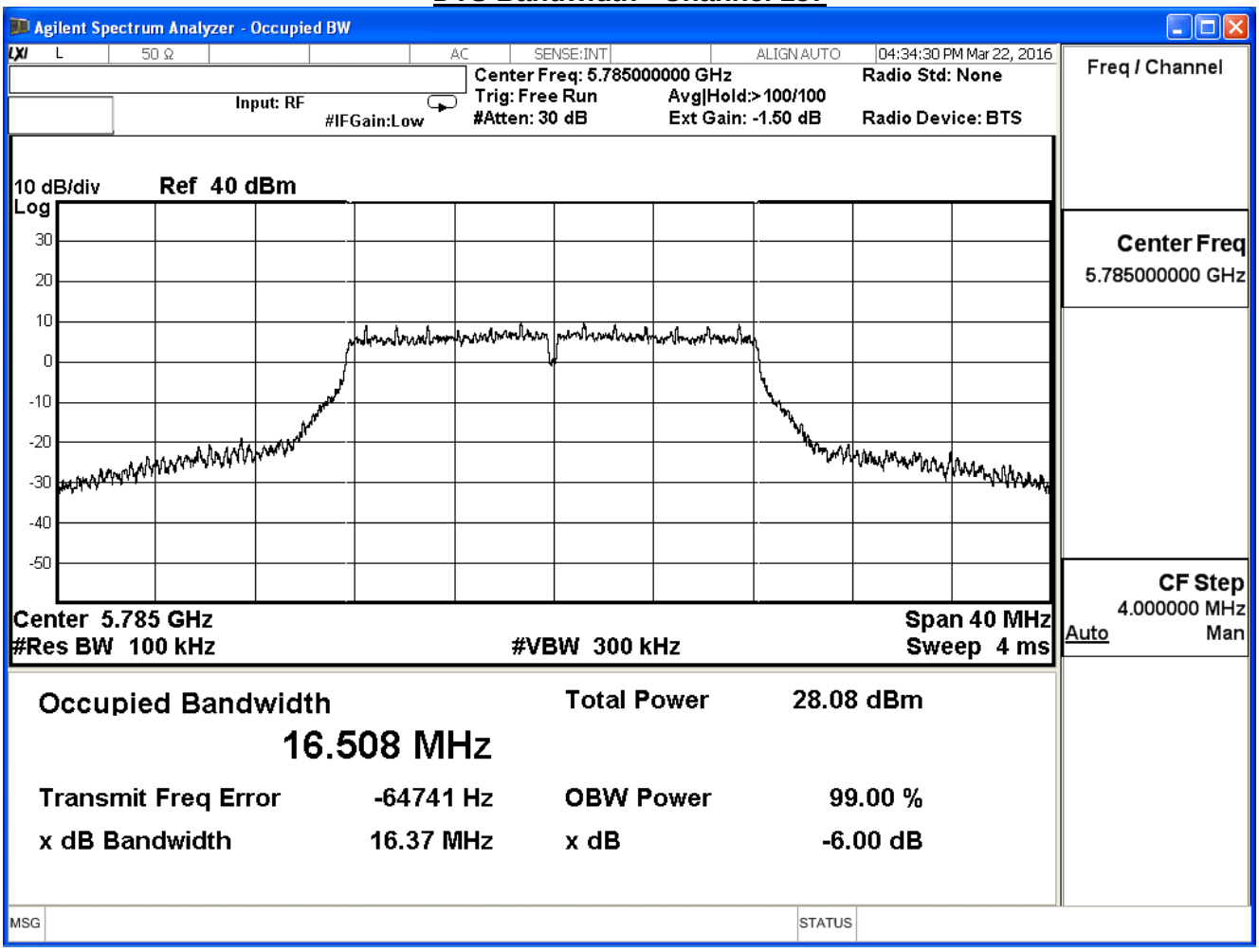
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/22	Test Site	SR7

802.11 a (ANT 2)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
149	5745	16.37	≧0.5
157	5785	16.37	≧0.5
165	5825	16.36	≧0.5

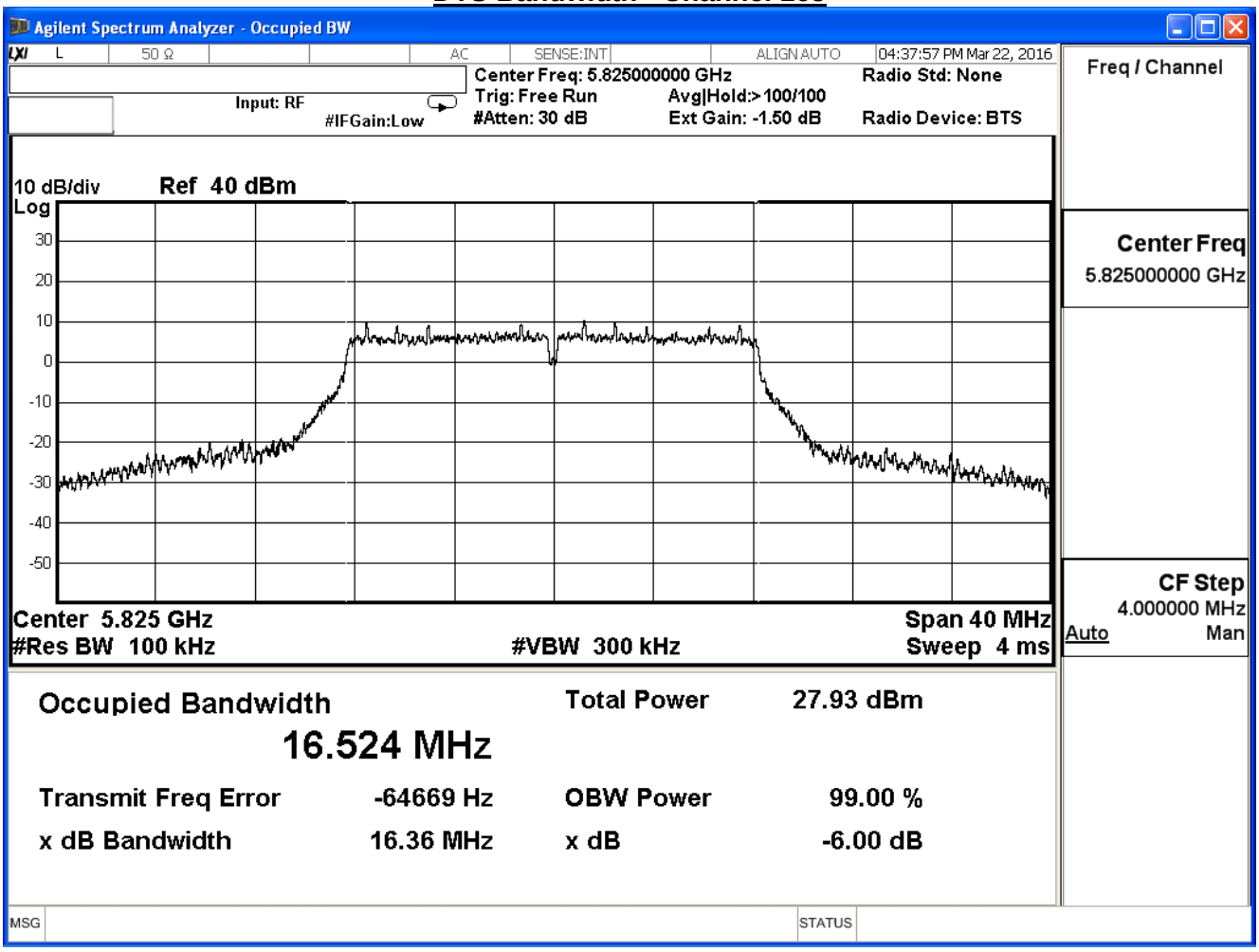
DTS Bandwidth - Channel 149



DTS Bandwidth - Channel 157



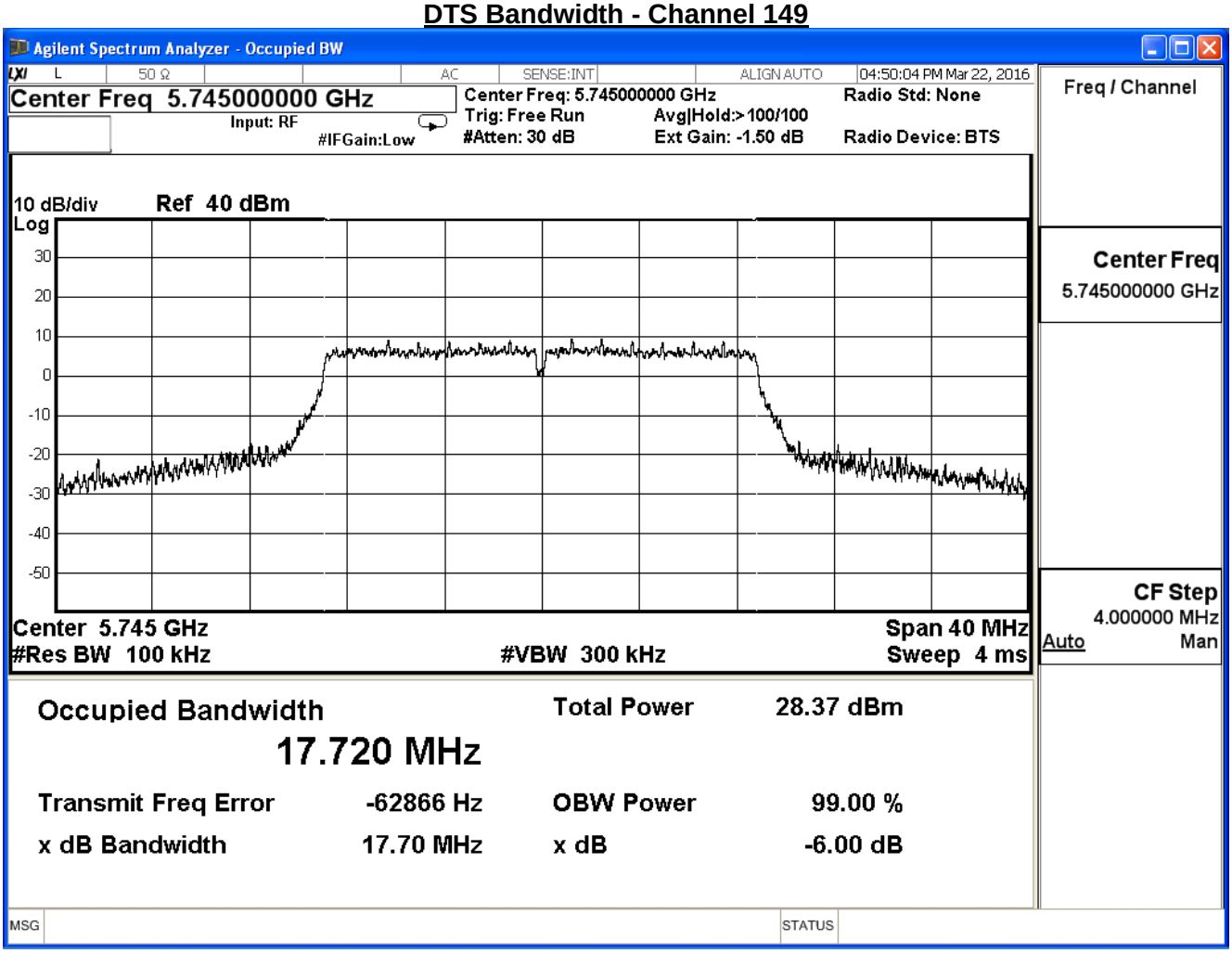
DTS Bandwidth - Channel 165



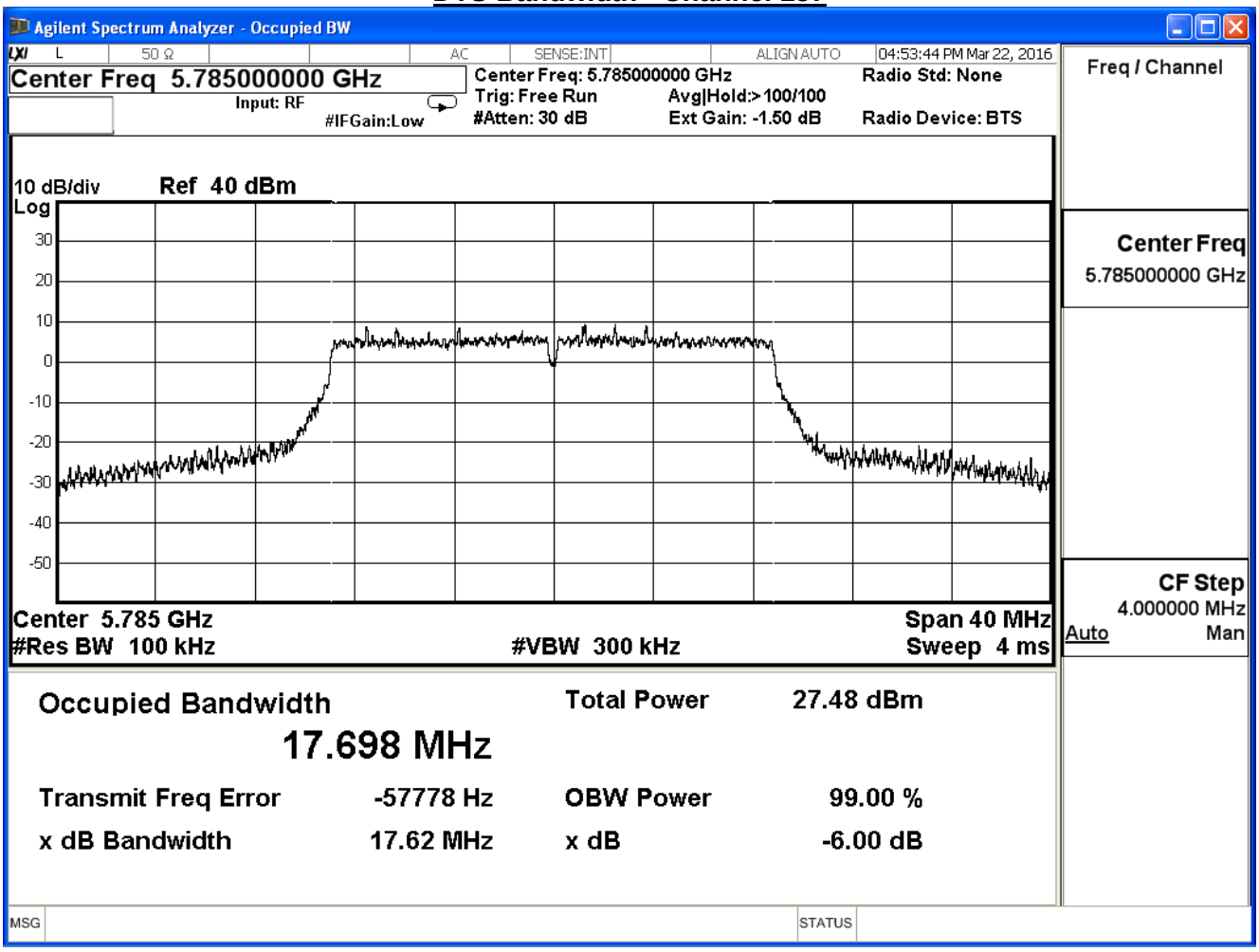
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/22	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
149	5745	17.70	≧0.5
157	5785	17.62	≧0.5
165	5825	17.61	≧0.5

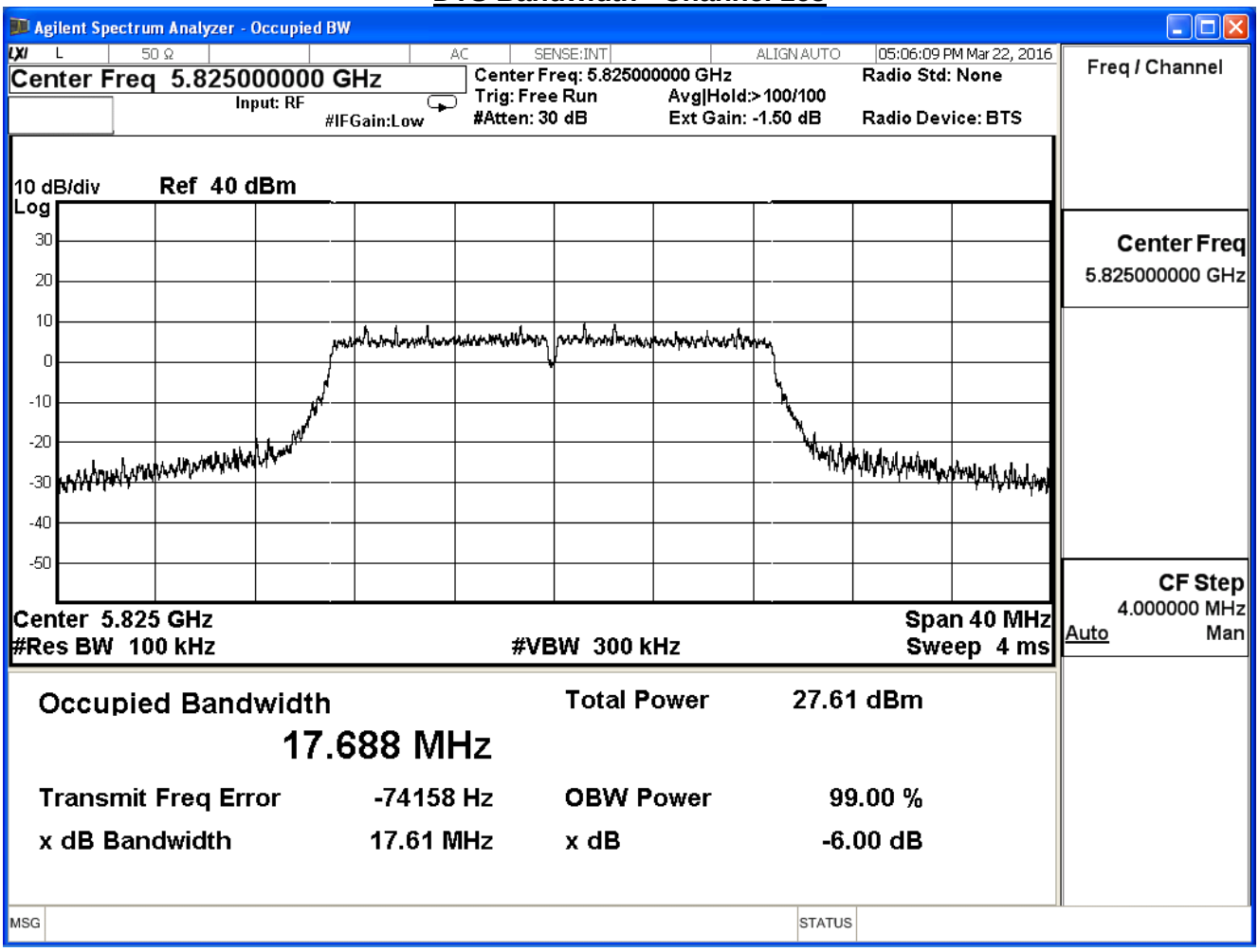
DTS Bandwidth - Channel 149



DTS Bandwidth - Channel 157



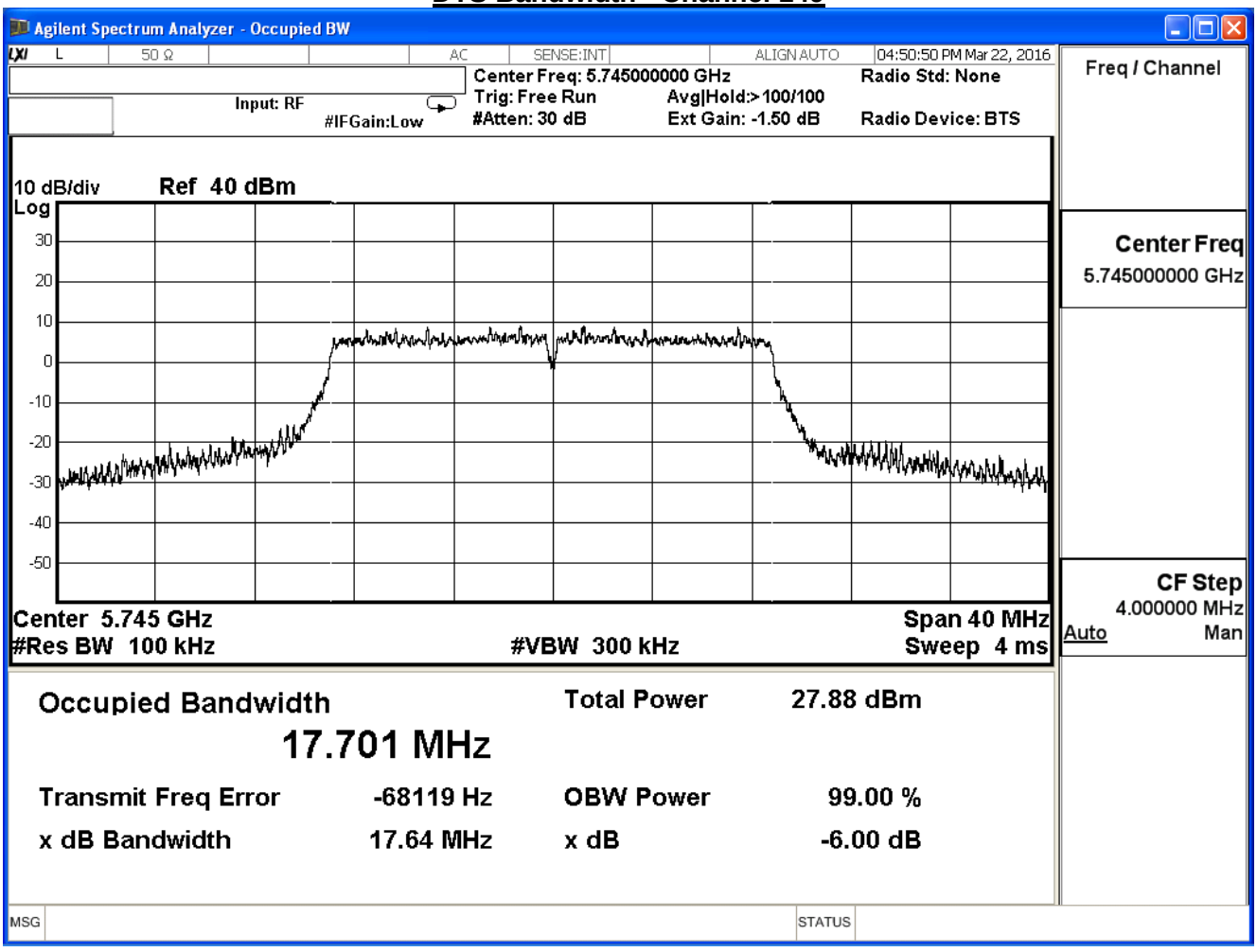
DTS Bandwidth - Channel 165



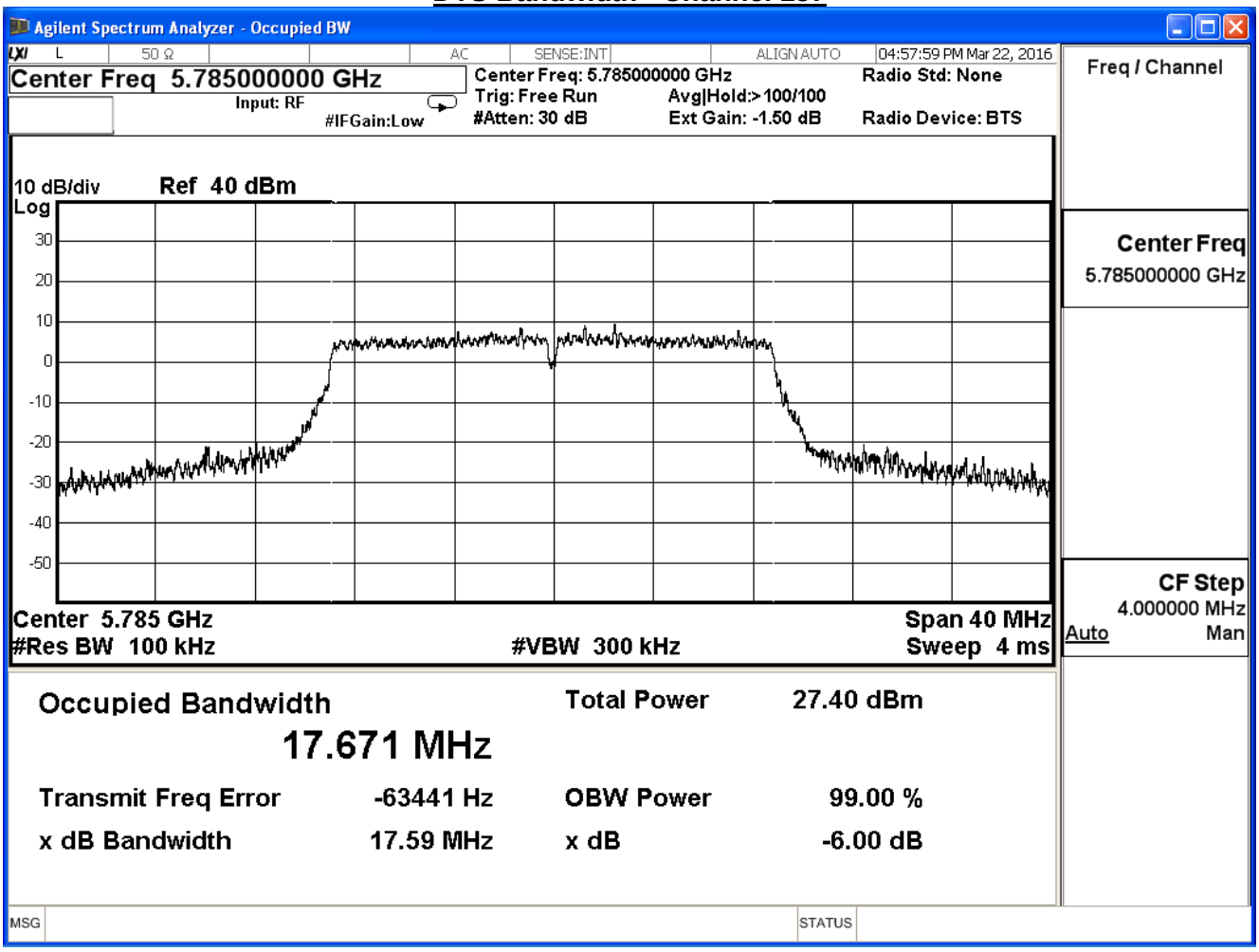
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/22	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
149	5745	17.64	≧0.5
157	5785	17.59	≧0.5
165	5825	17.60	≧0.5

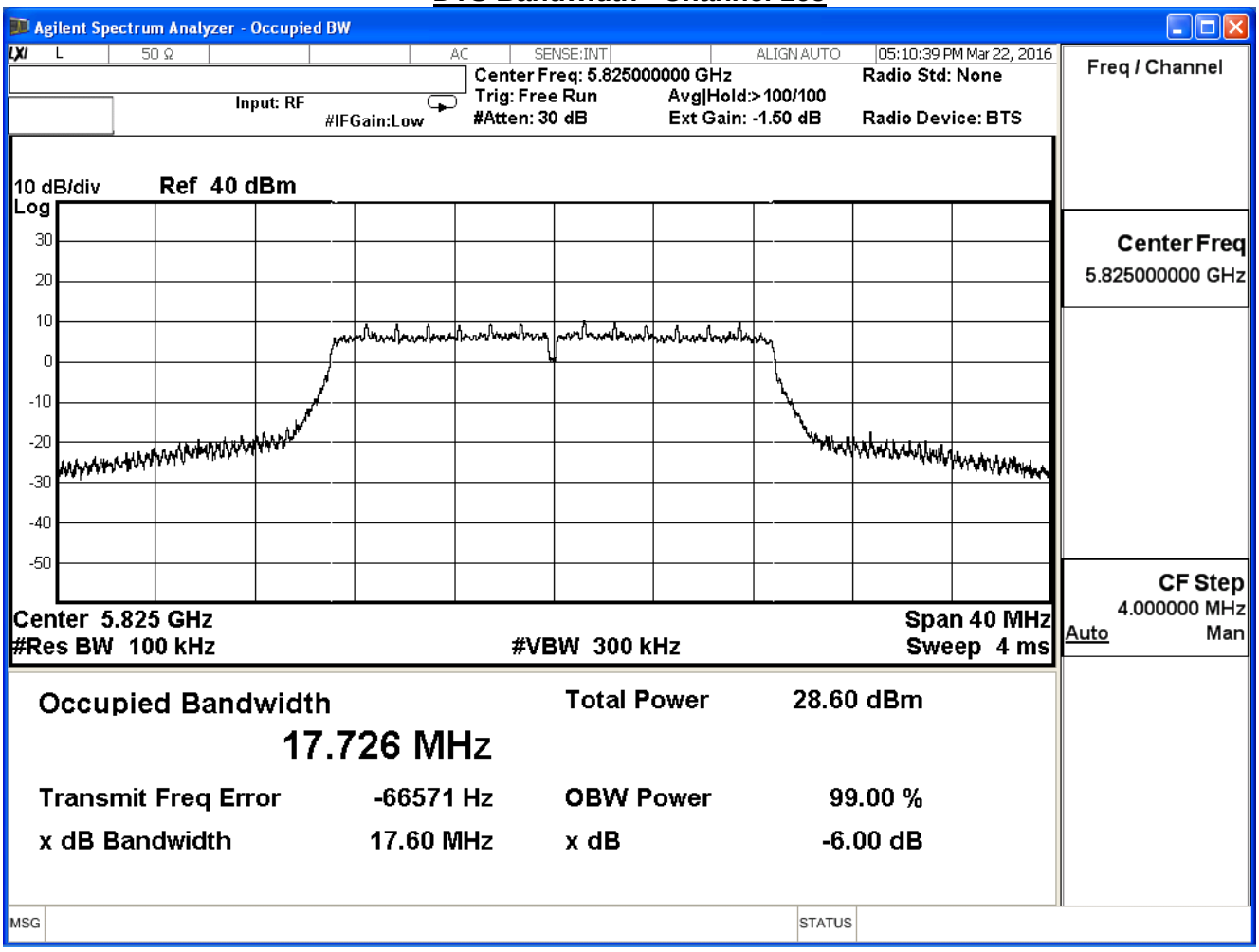
DTS Bandwidth - Channel 149



DTS Bandwidth - Channel 157



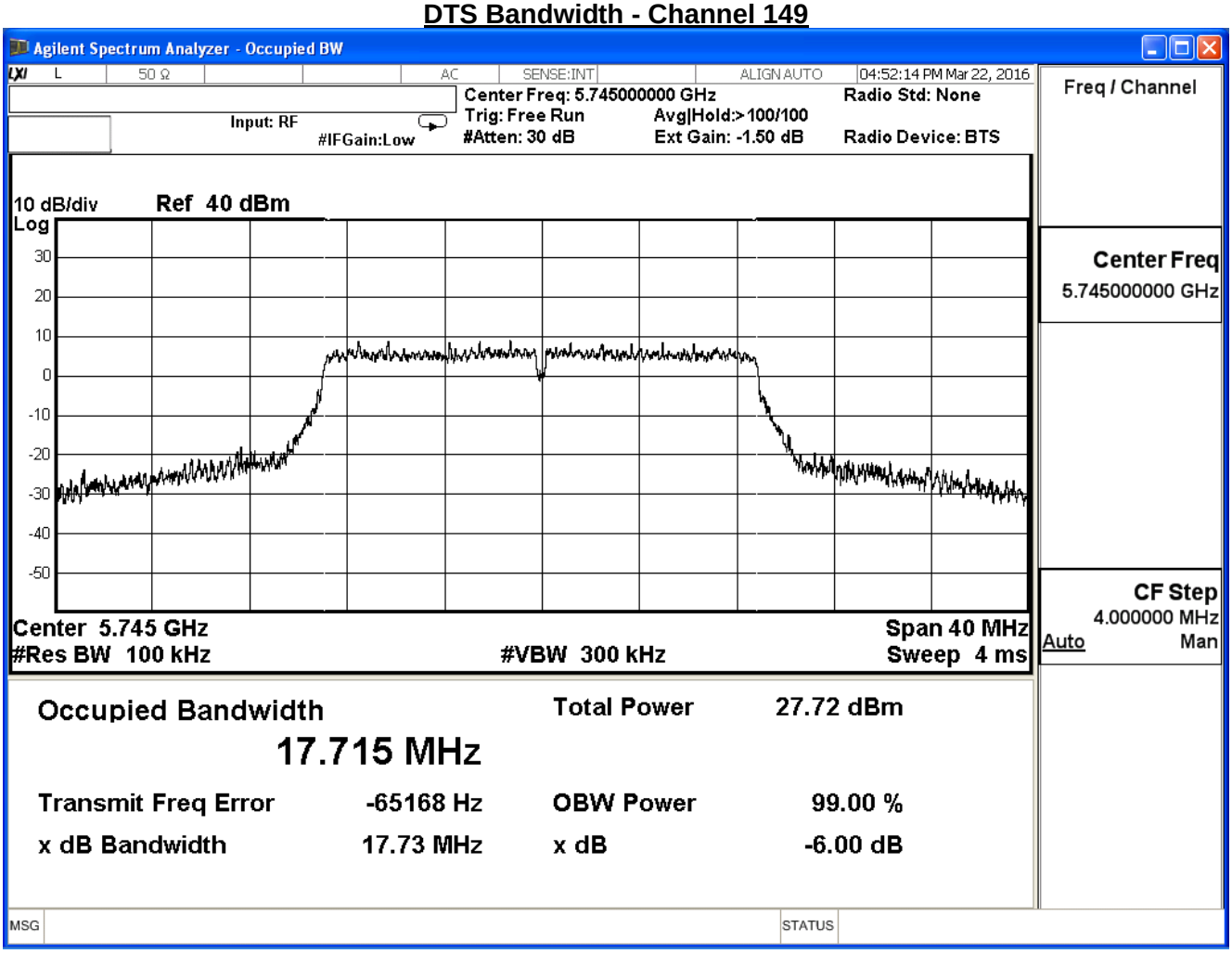
DTS Bandwidth - Channel 165



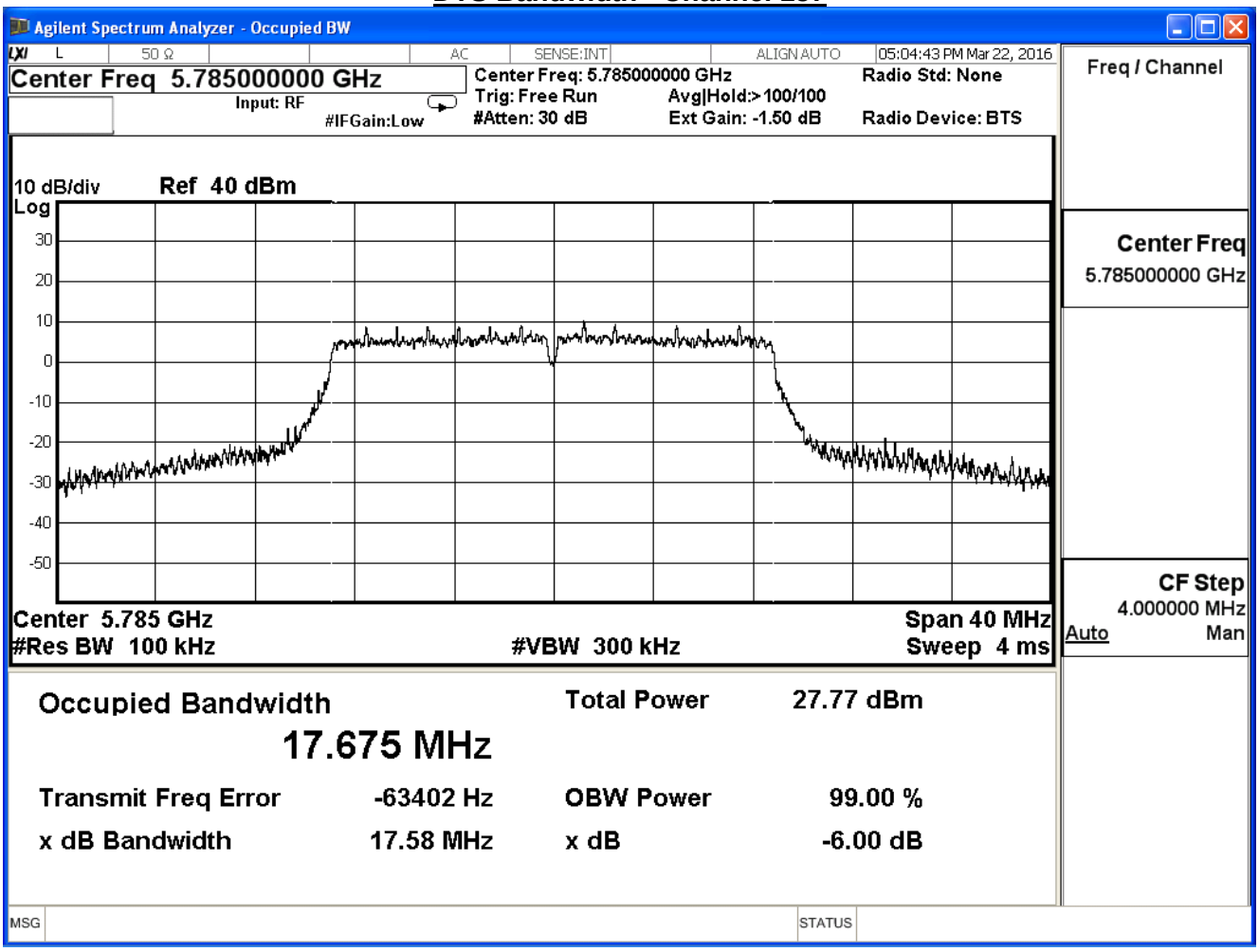
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/22	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 2)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
149	5745	17.73	≧0.5
157	5785	17.58	≧0.5
165	5825	17.62	≧0.5

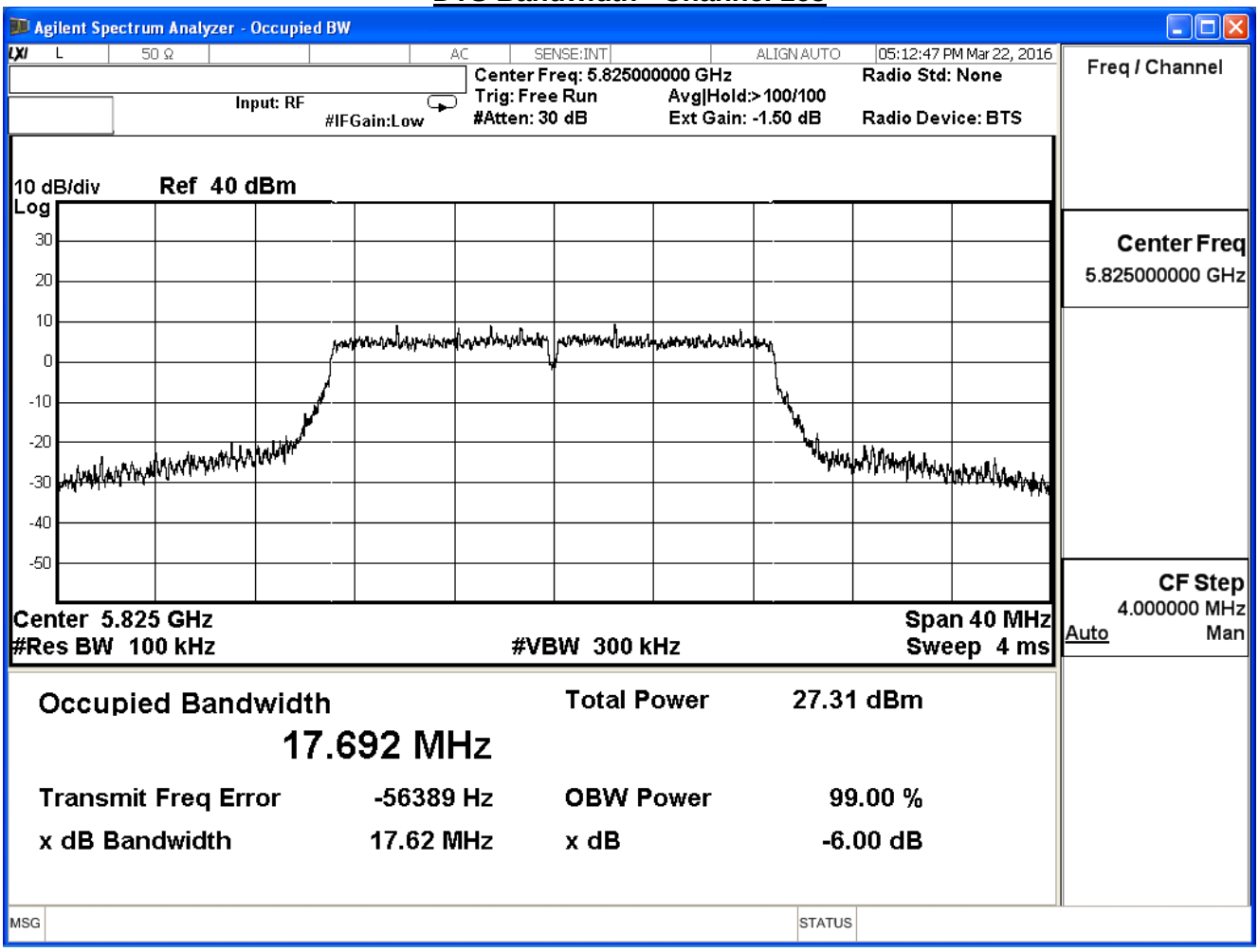
DTS Bandwidth - Channel 149



DTS Bandwidth - Channel 157



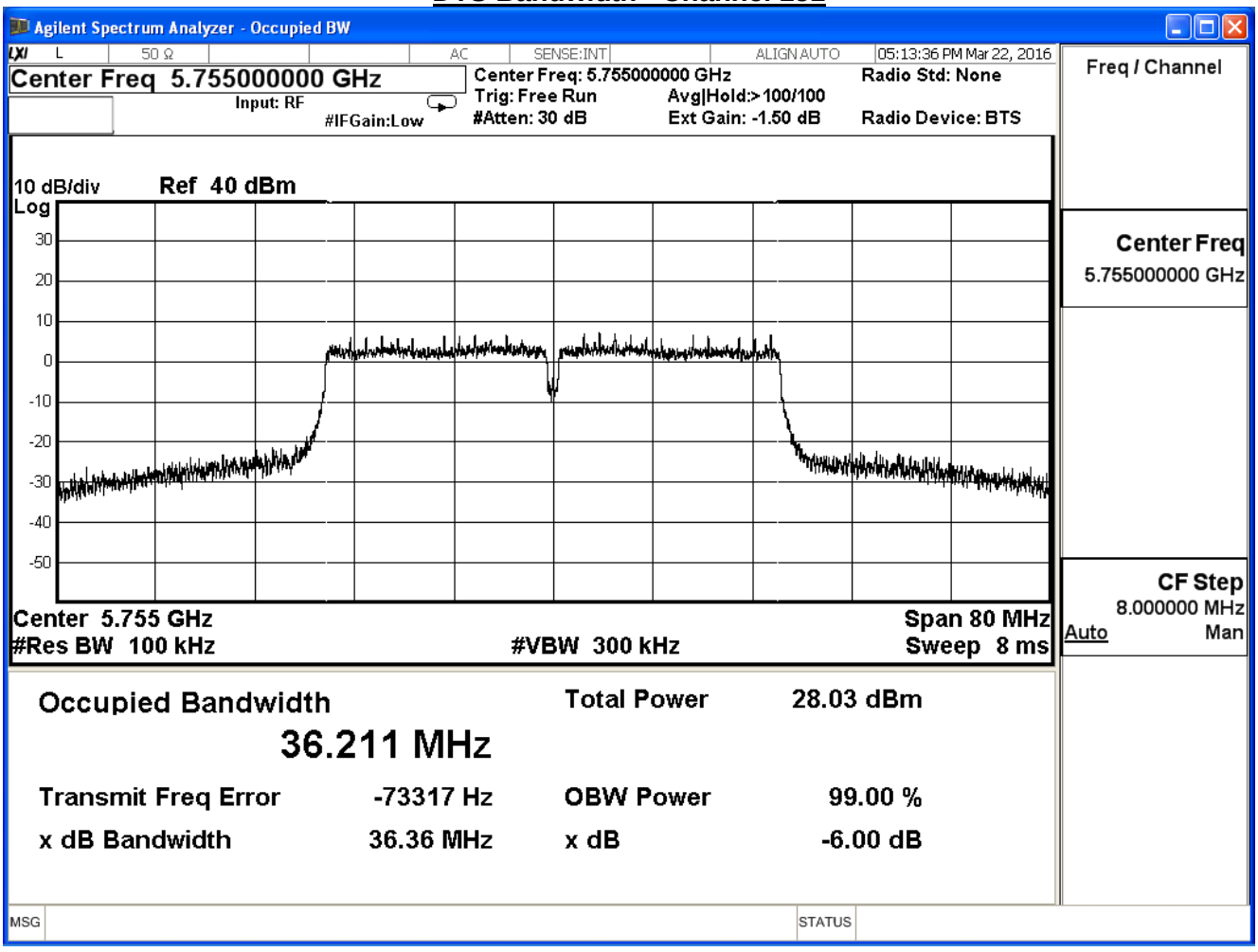
DTS Bandwidth - Channel 165



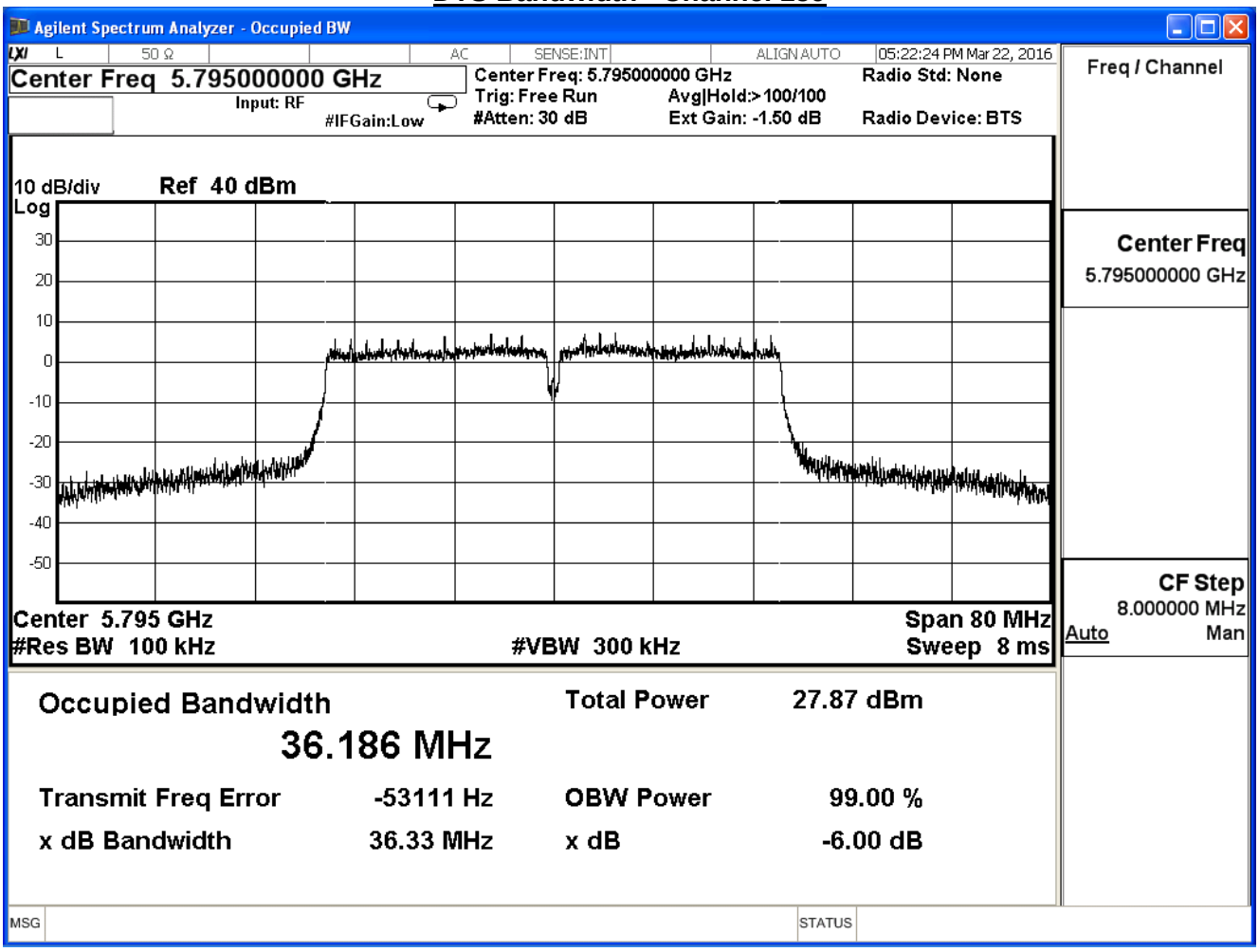
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/22	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
151	5755	36.36	≧0.5
159	5795	36.33	≧0.5

DTS Bandwidth - Channel 151



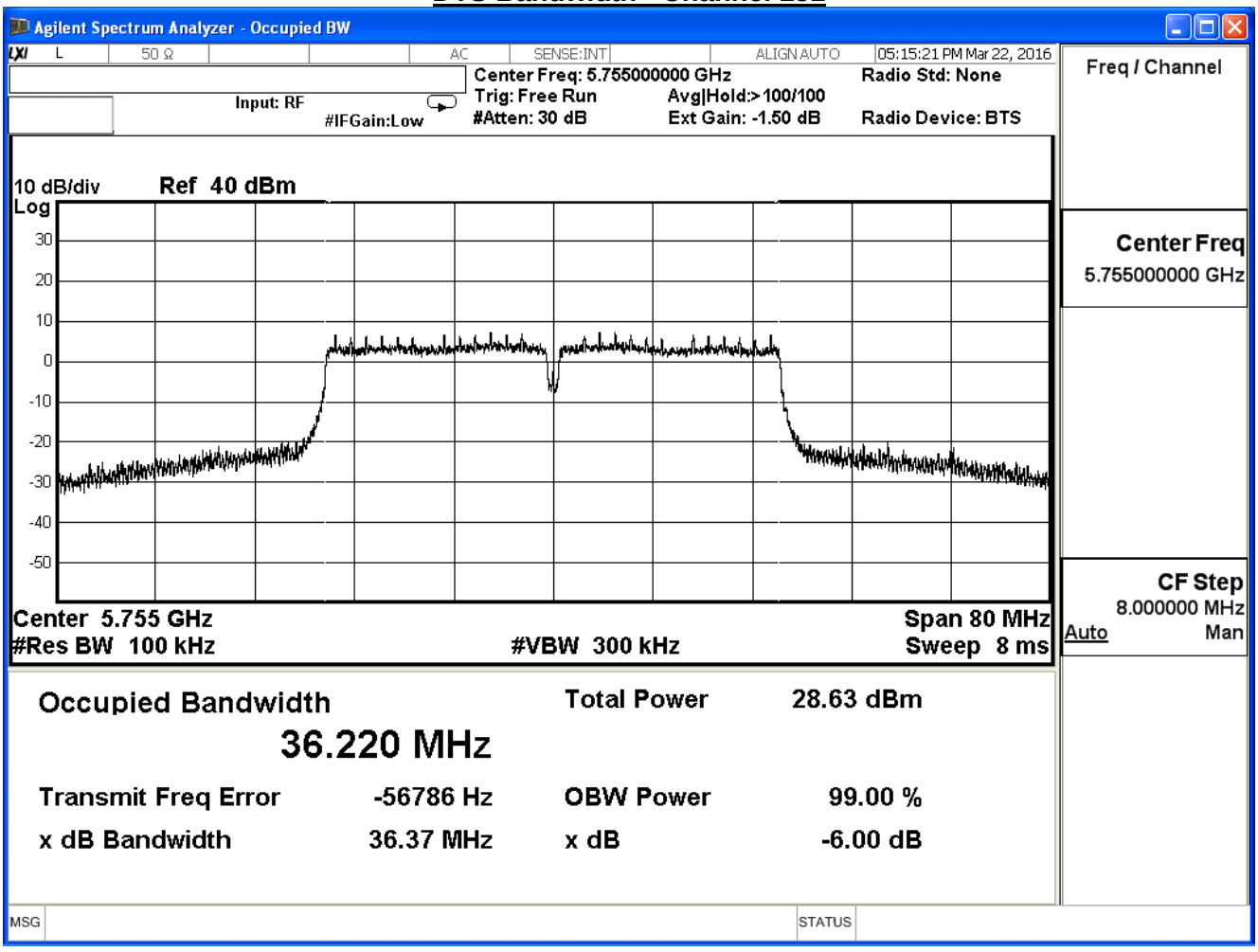
DTS Bandwidth - Channel 159



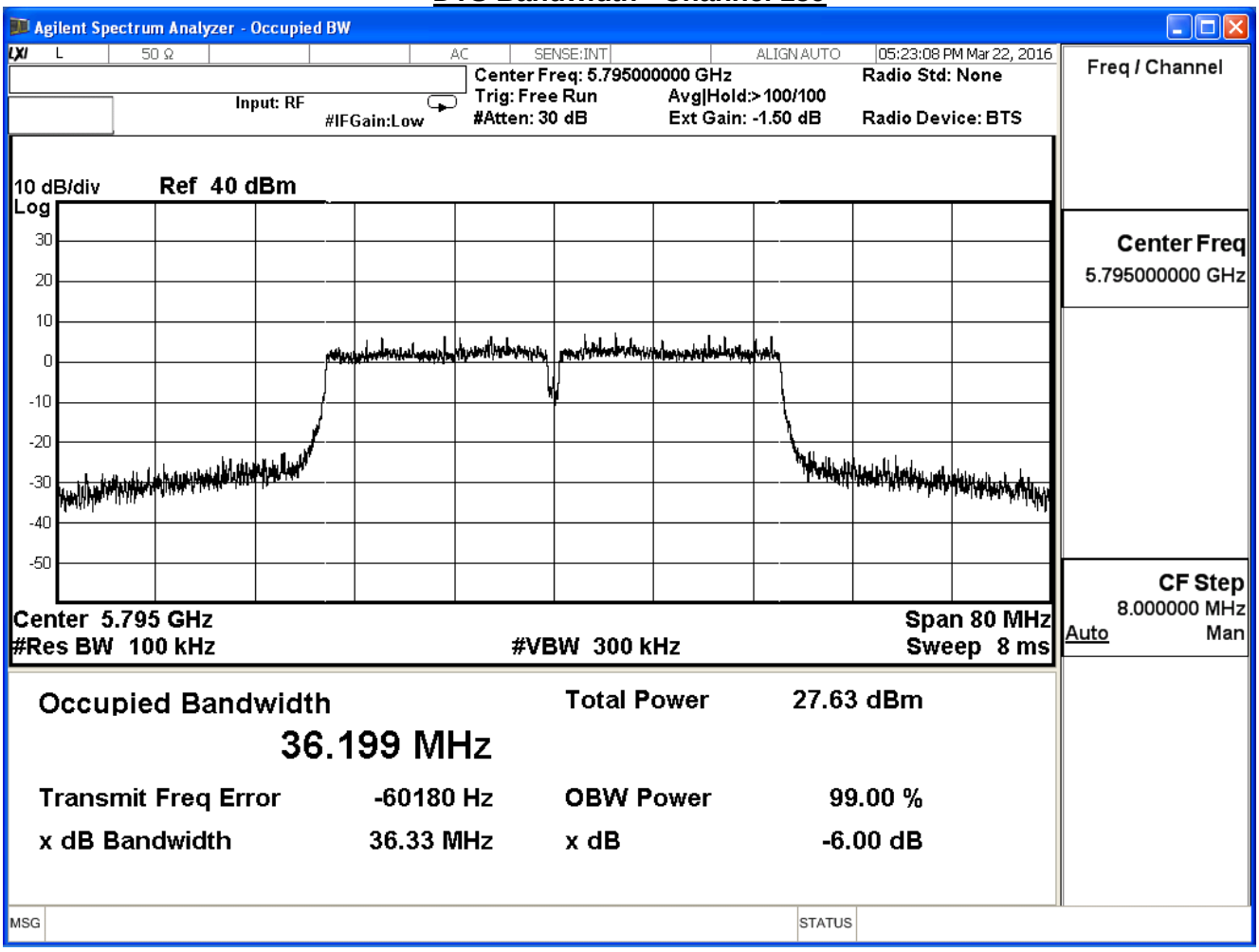
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/22	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
151	5755	36.37	≧0.5
159	5795	36.33	≧0.5

DTS Bandwidth - Channel 151



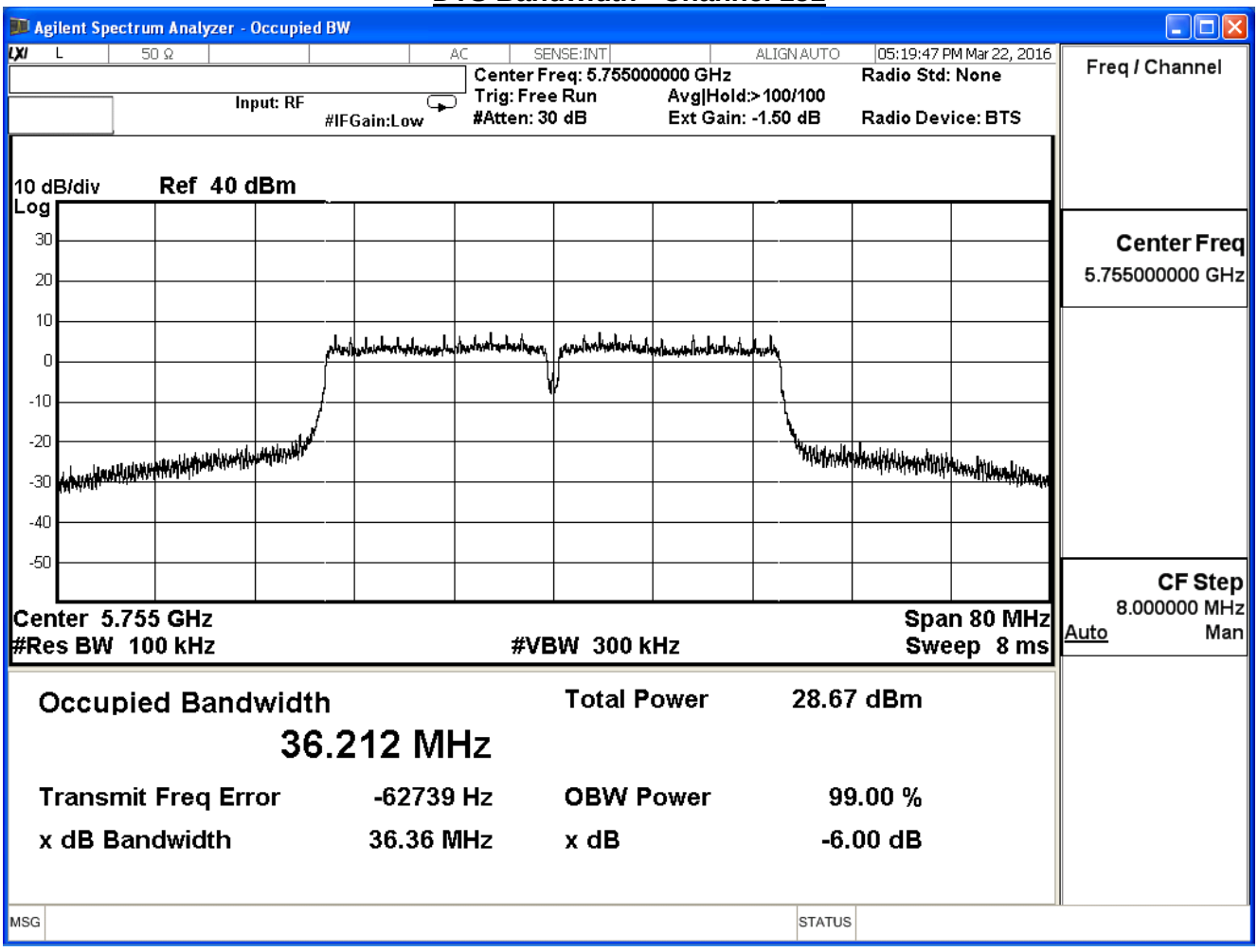
DTS Bandwidth - Channel 159



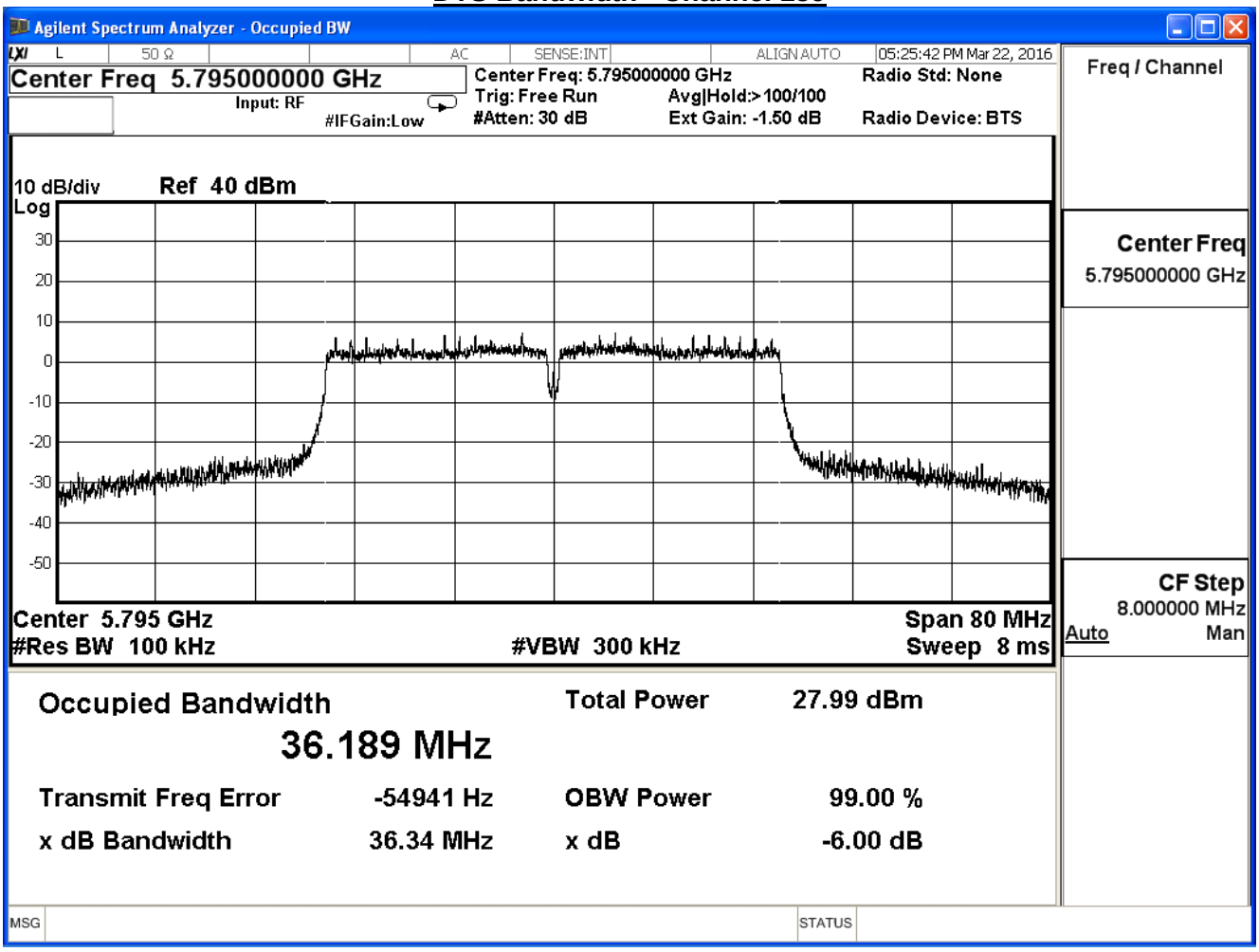
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/22	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 2)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
151	5755	36.36	≧0.5
159	5795	36.34	≧0.5

DTS Bandwidth - Channel 151



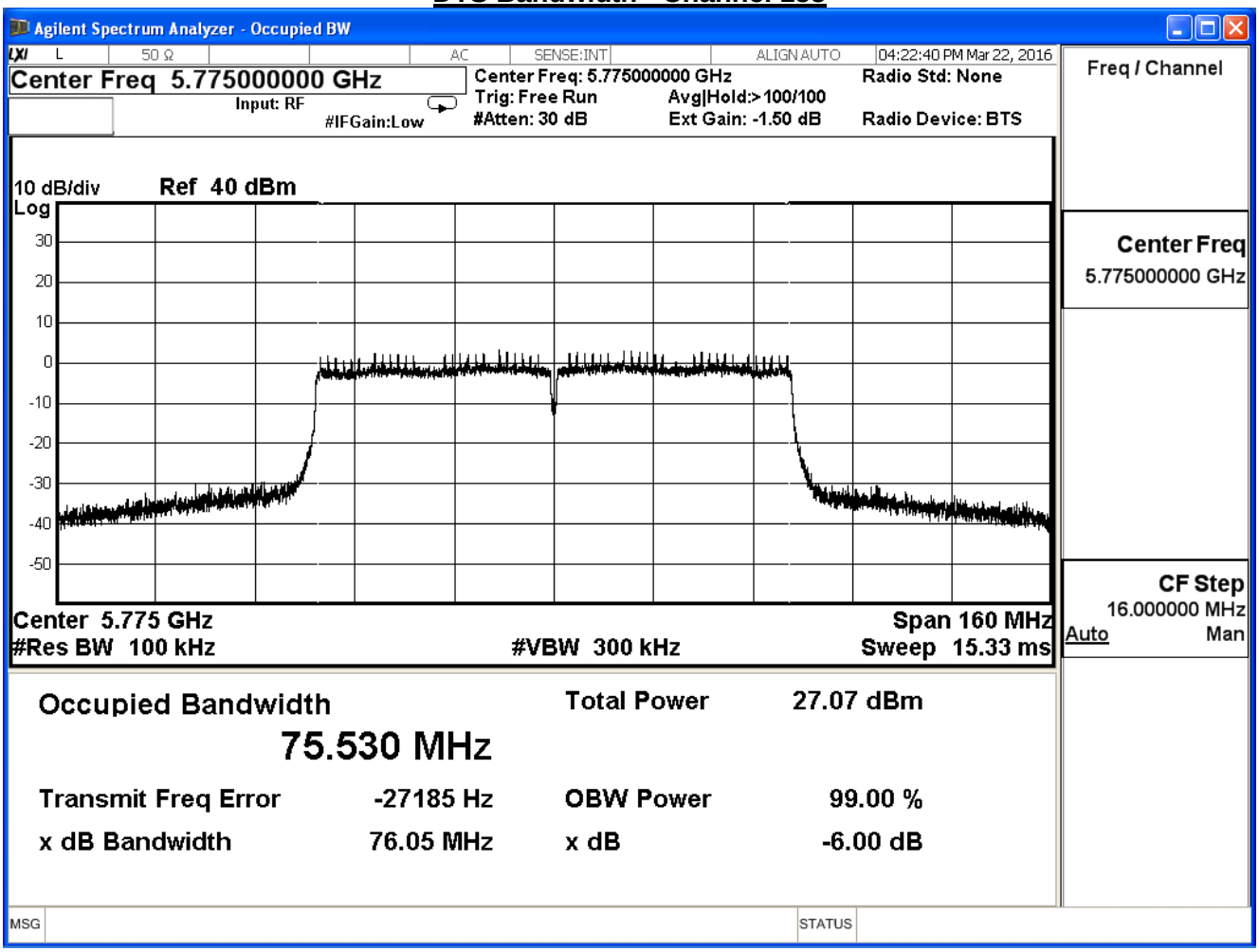
DTS Bandwidth - Channel 159



Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/22	Test Site	SR7

IEEE 802.11ac (80MHz)(ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
155	5775	76.05	≧0.5

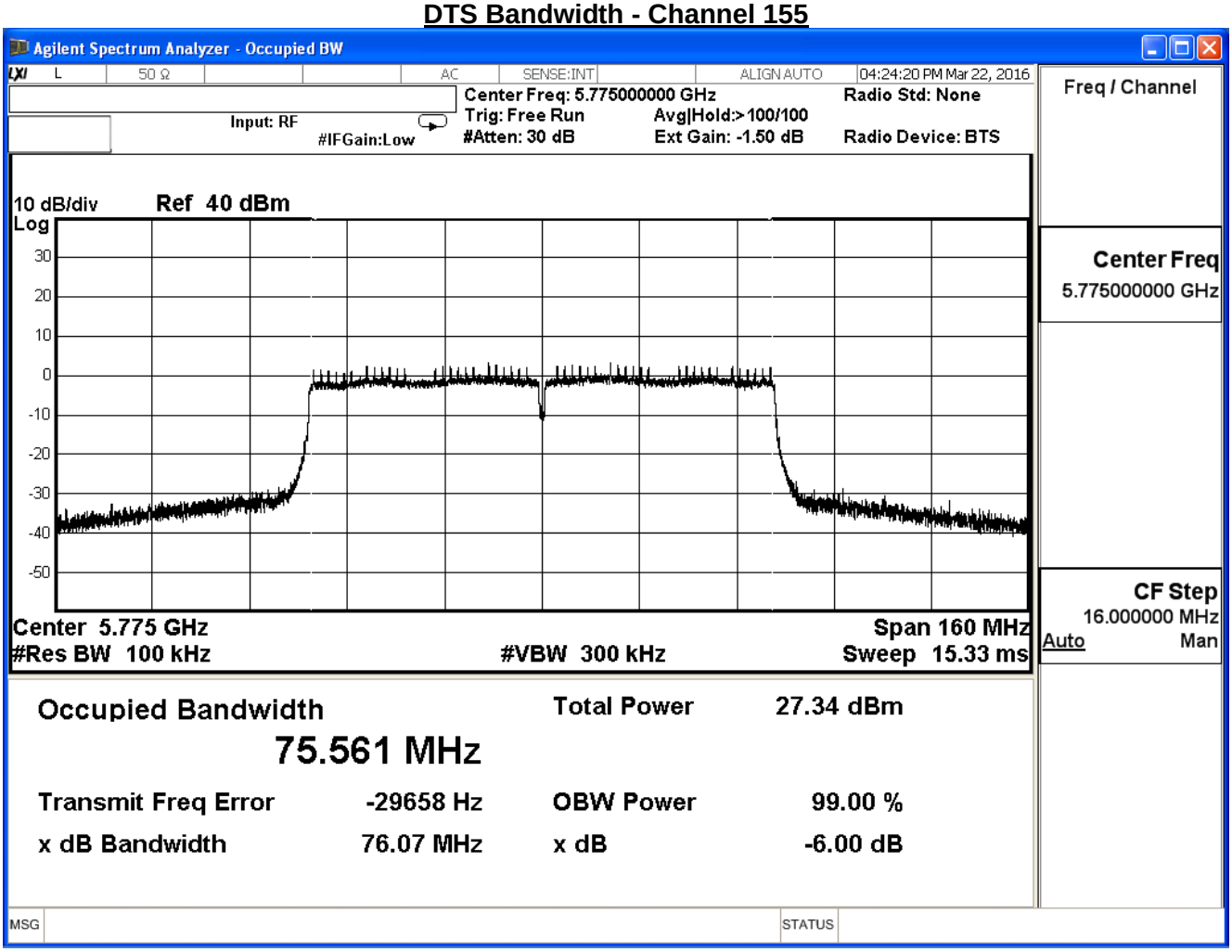
DTS Bandwidth - Channel 155



Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/22	Test Site	SR7

IEEE 802.11ac (80MHz)(ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
155	5775	76.07	≧0.5

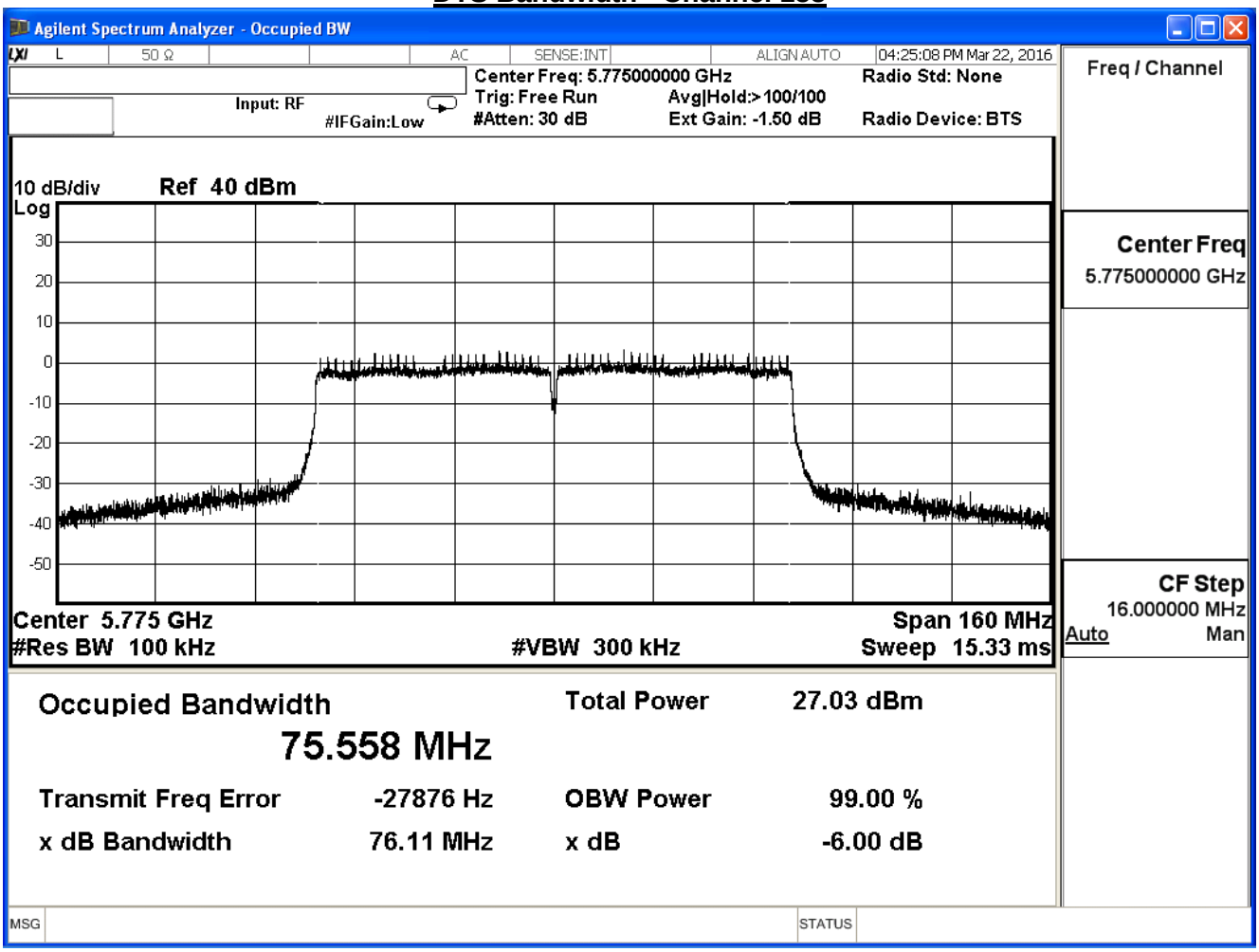
DTS Bandwidth - Channel 155



Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/22	Test Site	SR7

IEEE 802.11ac (80MHz)(ANT 2)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
155	5775	76.11	≧0.5

DTS Bandwidth - Channel 155



4. Peak Transmit Output

4.1. Test Equipment

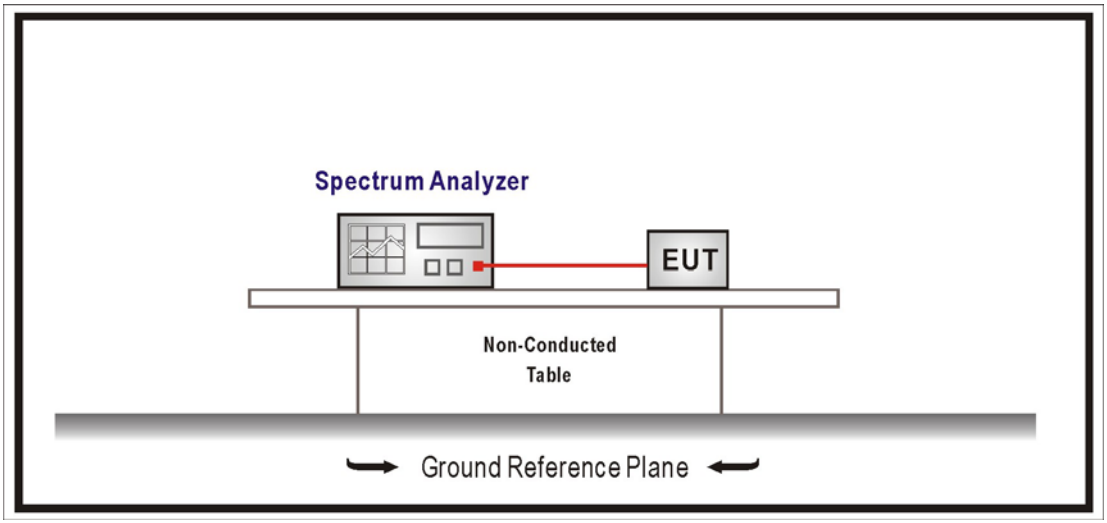
The following test equipments are used during the radiated emission tests:

Peak Transmit Output / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2016/07/13

Note: All equipments 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 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.
3. 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 KDB 789033 D02 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 26 dB EBW of the signal.

4.5. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB

4.6. Test Result

Product	DUAL BAND 3X3 802.11AC GIGABIT ROUTER		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/23	Test Site	SR7

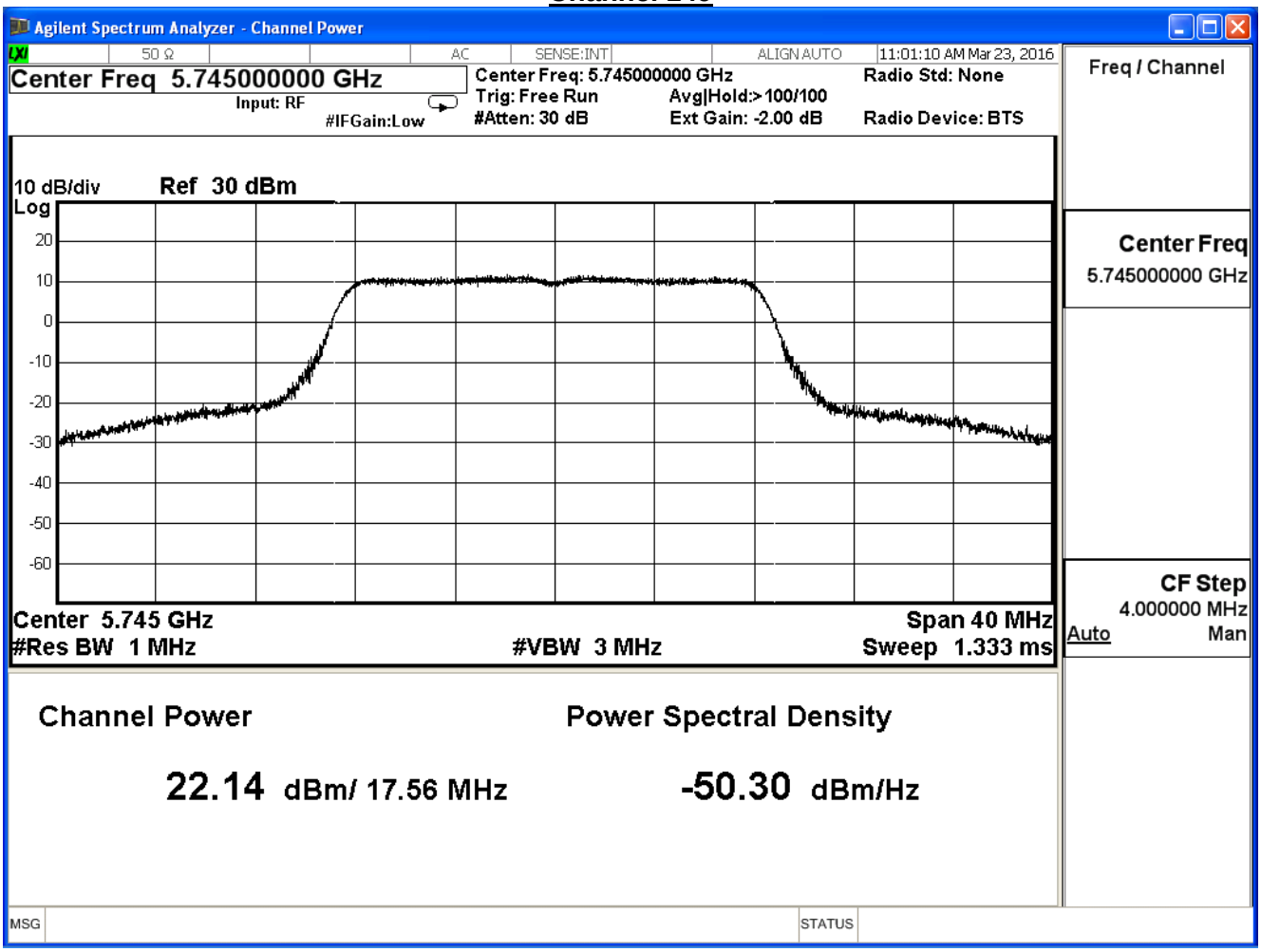
IEEE 802.11a (ANT 0)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	22.14	≤30
157	5785	21.69	≤30
165	5825	21.92	≤30

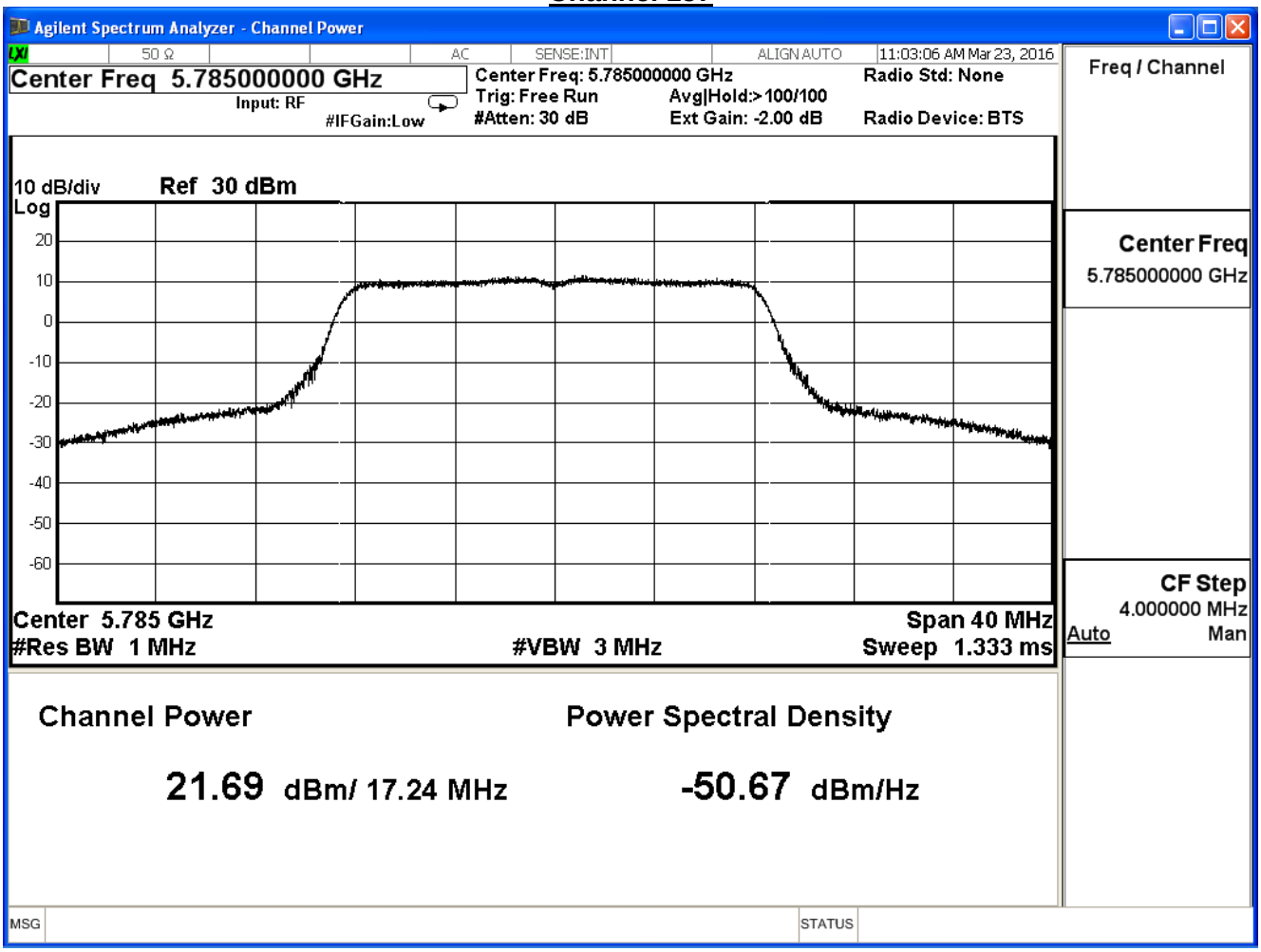
The worst emission of data rate is 6Mbps.

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
149	5745	22.14	--	--	--	--	--	--	≤30dBm
157	5785	21.69	21.36	21.17	20.94	20.82	20.57	20.06	
165	5825	21.92	--	--	--	--	--	--	

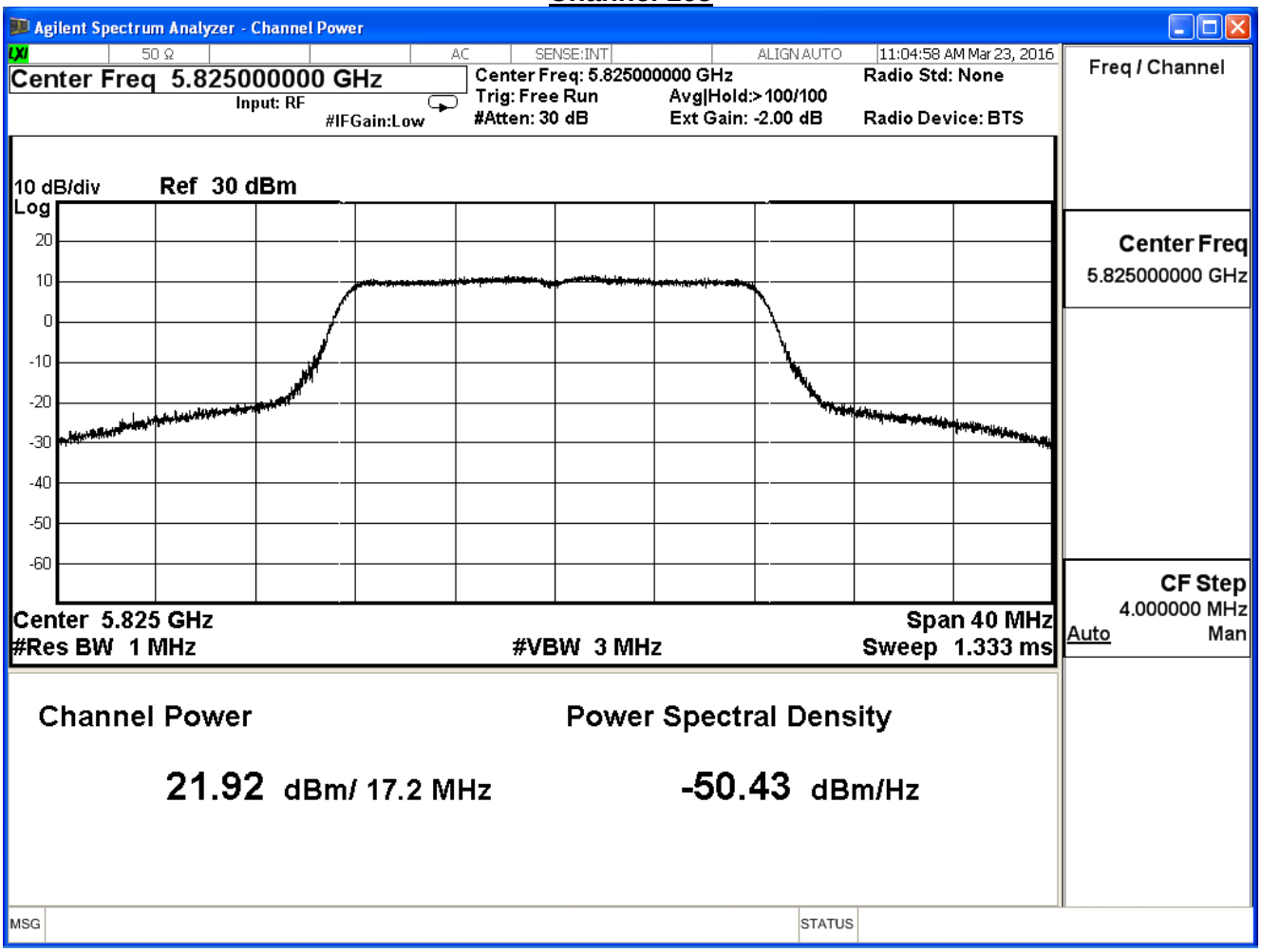
Channel 149


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
11:01:10 AM Mar 23, 2016
Center Freq 5.745000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.745000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
Center Freq
5.745000000 GHz
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.745 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Channel Power
22.14 dBm/ 17.56 MHz
Power Spectral Density
-50.30 dBm/Hz
MSG
STATUS

Channel 157


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
11:03:06 AM Mar 23, 2016
Center Freq 5.785000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.785000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
Center Freq
5.785000000 GHz
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.785 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Channel Power
21.69 dBm/ 17.24 MHz
Power Spectral Density
-50.67 dBm/Hz
MSG
STATUS

Channel 165


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
11:04:58 AM Mar 23, 2016
Center Freq 5.825000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.825000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
Center Freq
5.825000000 GHz
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.825 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Channel Power
21.92 dBm/ 17.2 MHz
Power Spectral Density
-50.43 dBm/Hz
MSG
STATUS

Product	DUAL BAND 3X3 802.11AC GIGABIT ROUTER		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/23	Test Site	SR7

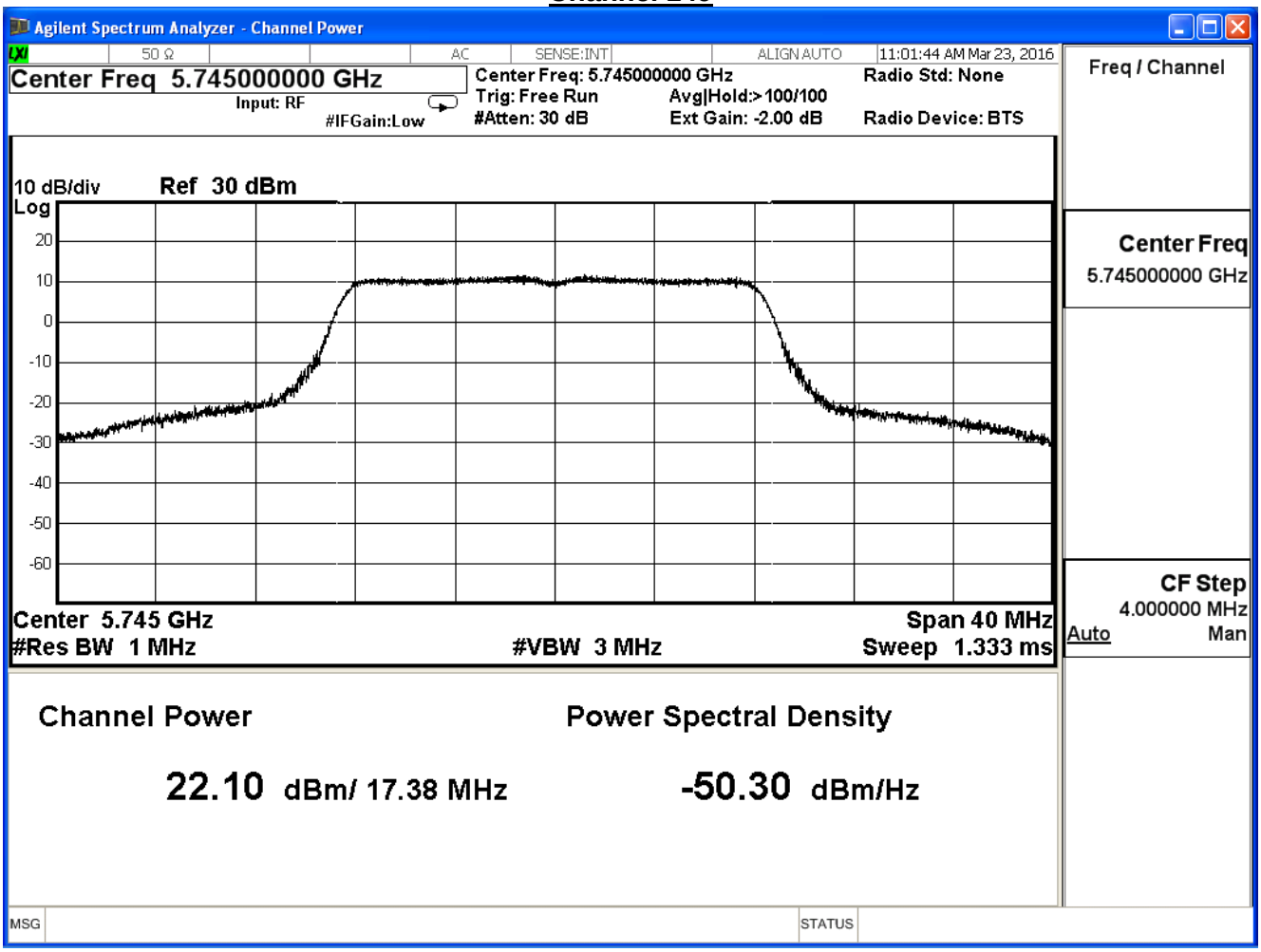
IEEE 802.11a (ANT 1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	22.10	≤30
157	5785	22.00	≤30
165	5825	21.99	≤30

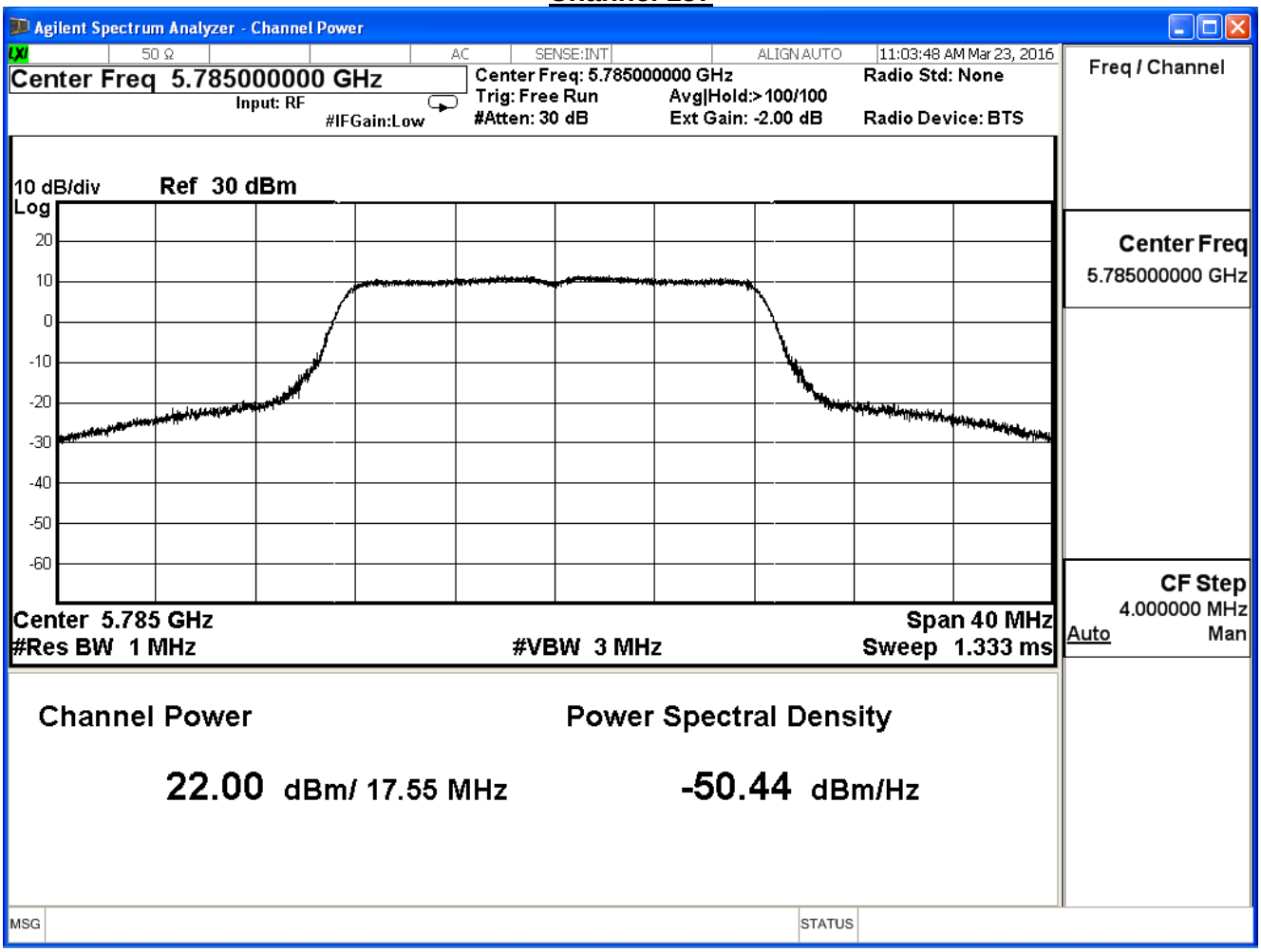
The worst emission of data rate is 6Mbps.

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
149	5745	22.10	--	--	--	--	--	--	≤30dBm
157	5785	22.00	21.84	21.45	21.22	21.10	20.61	20.10	
165	5825	21.99	--	--	--	--	--	--	

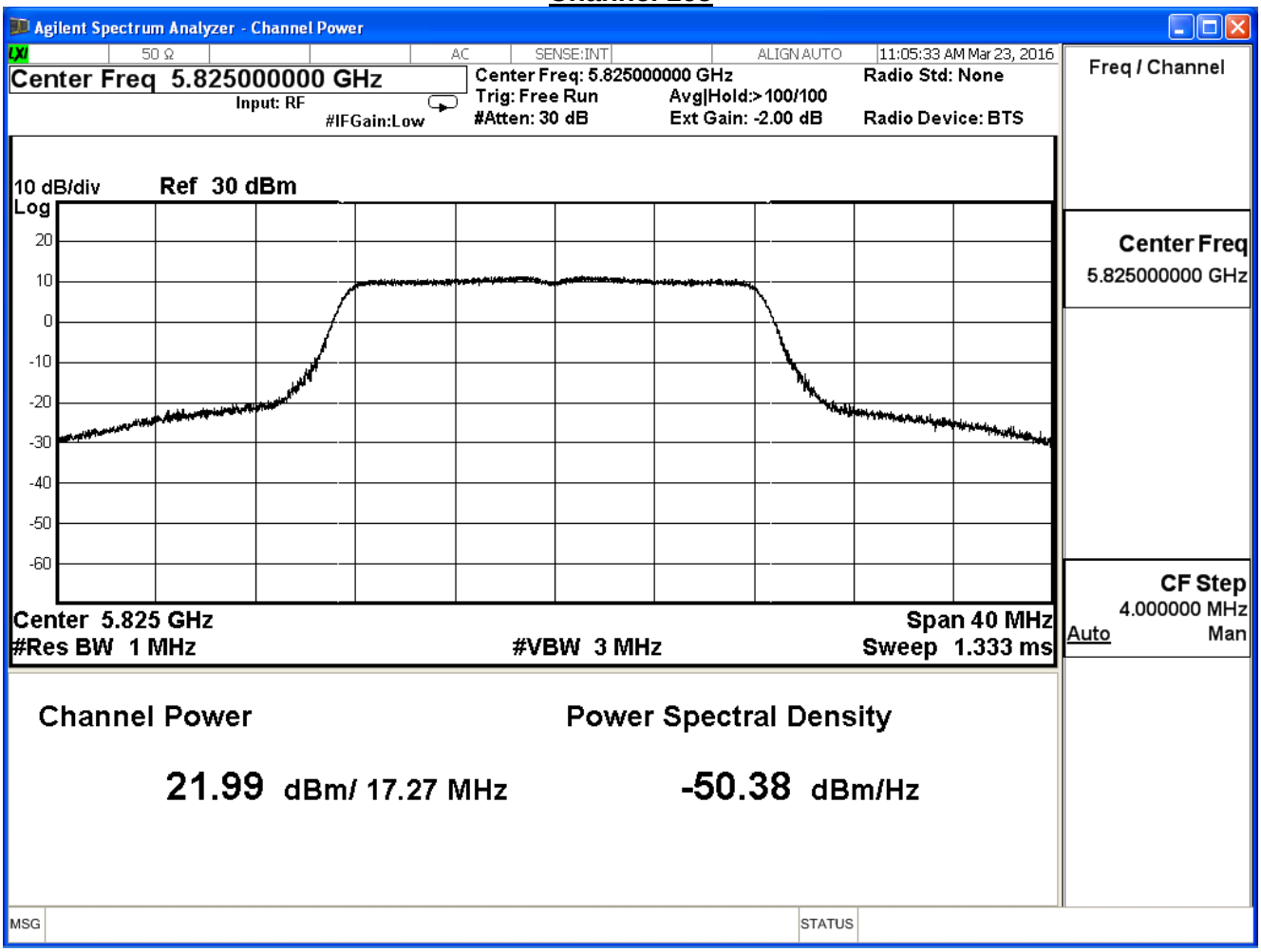
Channel 149


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
11:01:44 AM Mar 23, 2016
Center Freq 5.745000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.745000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
Center Freq
5.745000000 GHz
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.745 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Channel Power
22.10 dBm/ 17.38 MHz
Power Spectral Density
-50.30 dBm/Hz
MSG
STATUS

Channel 157


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
11:03:48 AM Mar 23, 2016
Center Freq 5.785000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.785000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
5.785000000 GHz
Center 5.785 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Channel Power
22.00 dBm/ 17.55 MHz
Power Spectral Density
-50.44 dBm/Hz
MSG
STATUS

Channel 165


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
11:05:33 AM Mar 23, 2016
Center Freq 5.825000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.825000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
Center Freq
5.825000000 GHz
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.825 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Channel Power
21.99 dBm/ 17.27 MHz
Power Spectral Density
-50.38 dBm/Hz
MSG
STATUS

Product	DUAL BAND 3X3 802.11AC GIGABIT ROUTER		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/23	Test Site	SR7

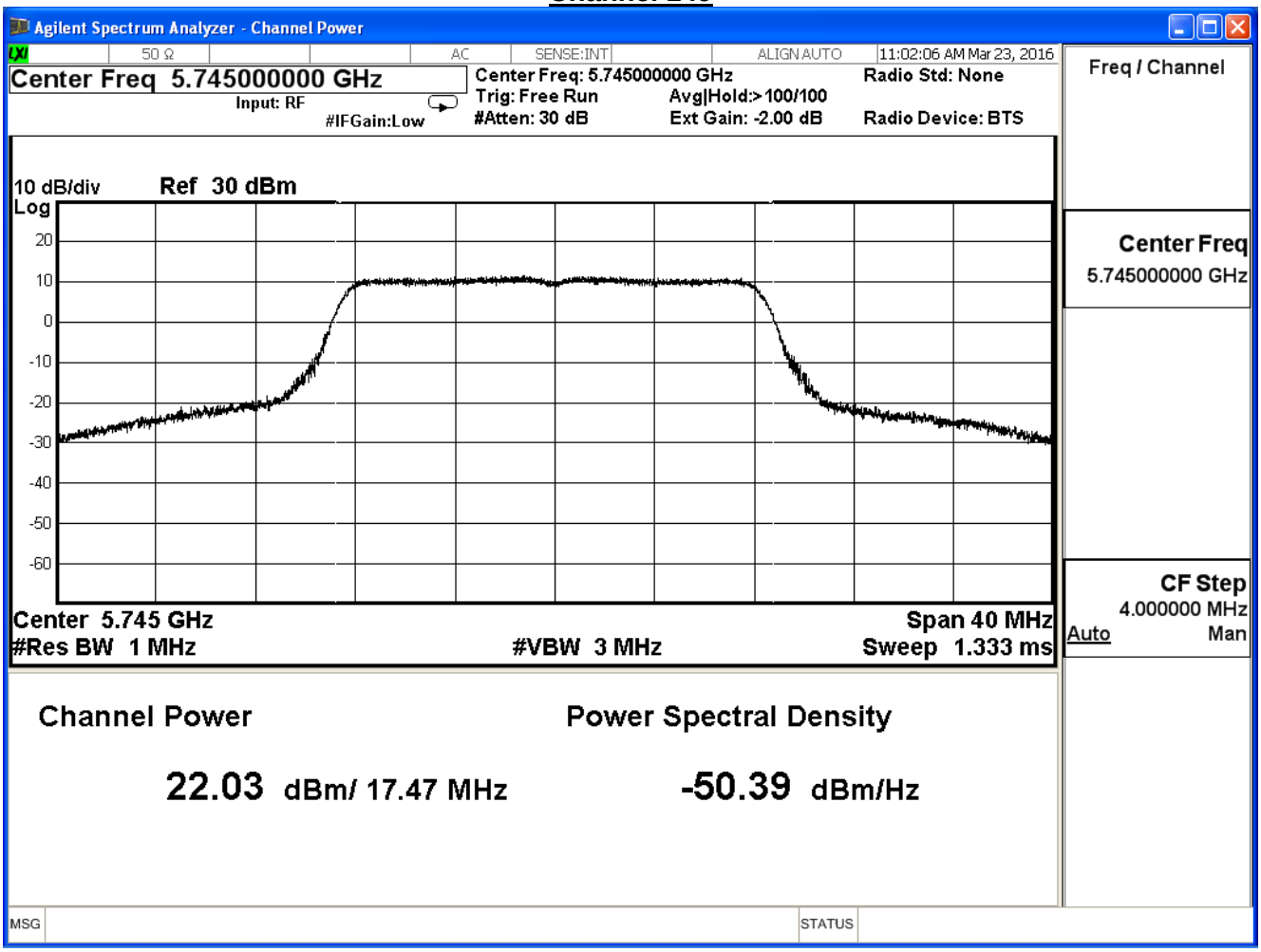
IEEE 802.11a (ANT 2)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	22.03	≤30
157	5785	22.10	≤30
165	5825	22.12	≤30

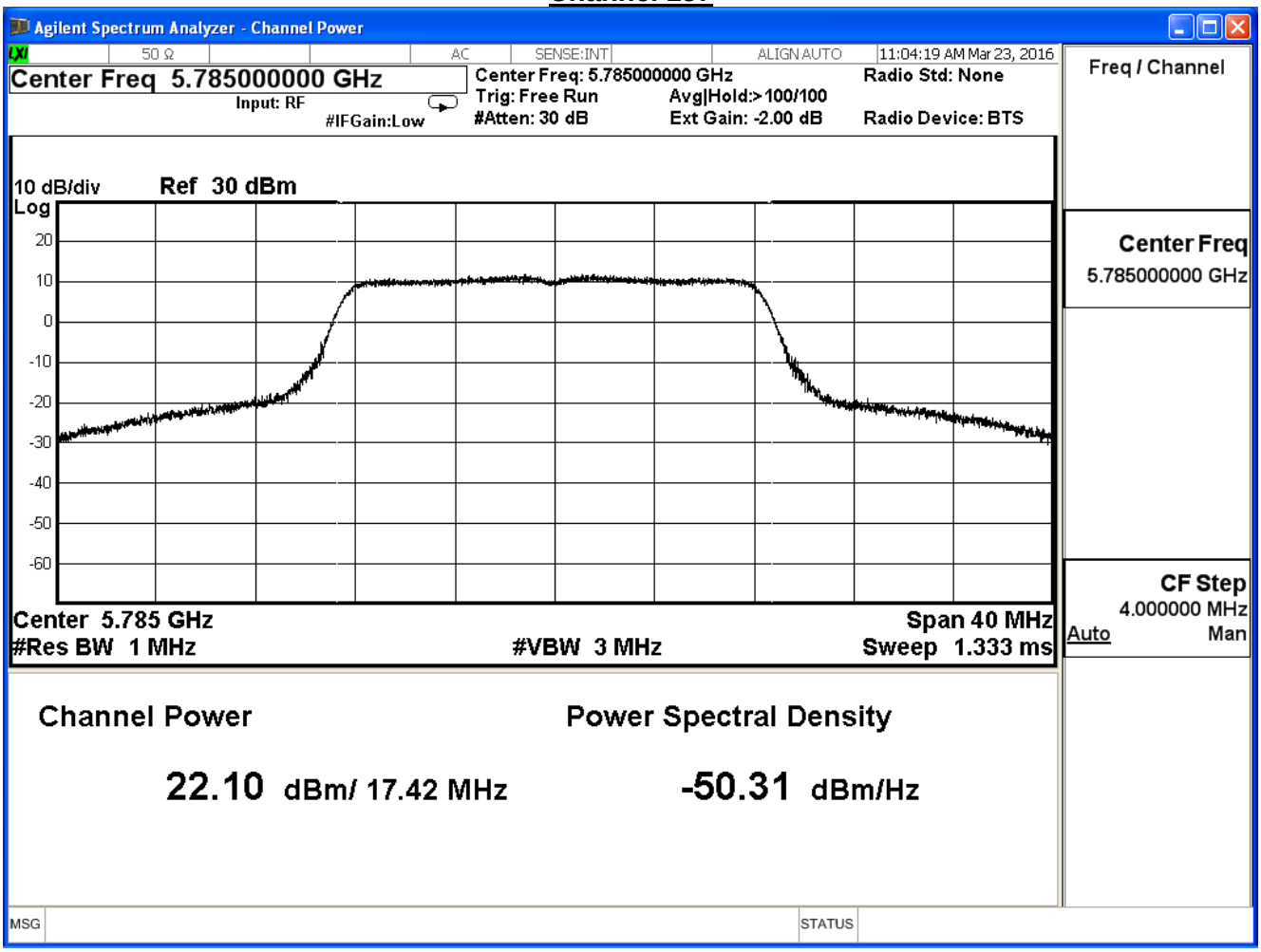
The worst emission of data rate is 6Mbps.

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
149	5745	22.03	--	--	--	--	--	--	≤30dBm
157	5785	22.10	21.77	21.58	21.35	21.23	20.98	20.73	
165	5825	22.12	--	--	--	--	--	--	

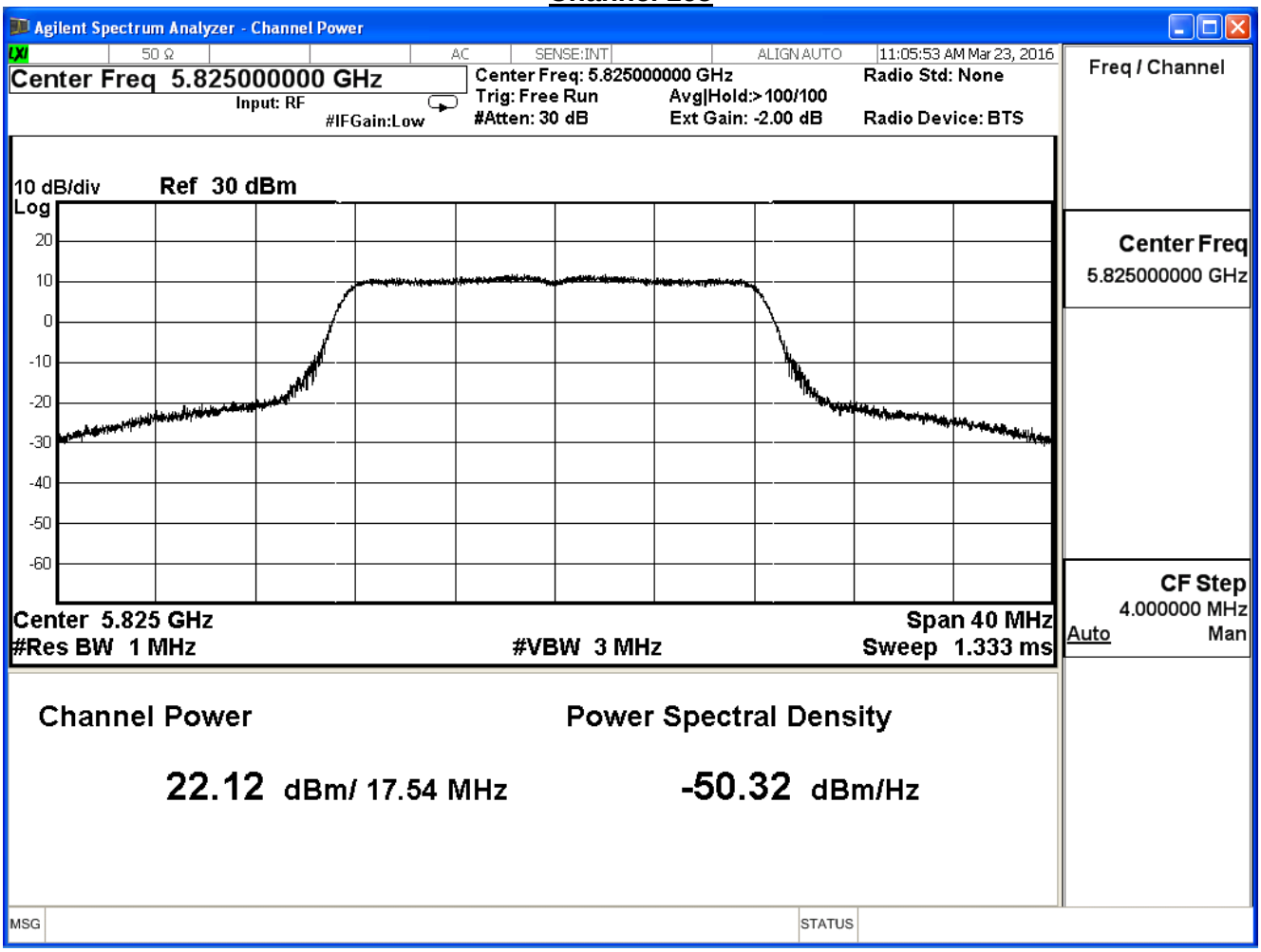
Channel 149


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
11:02:06 AM Mar 23, 2016
Center Freq 5.745000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.745000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
Center Freq
5.745000000 GHz
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.745 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Channel Power
22.03 dBm/ 17.47 MHz
Power Spectral Density
-50.39 dBm/Hz
MSG
STATUS

Channel 157


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
11:04:19 AM Mar 23, 2016
Center Freq 5.785000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.785000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
5.785000000 GHz
Center 5.785 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Channel Power
22.10 dBm/ 17.42 MHz
Power Spectral Density
-50.31 dBm/Hz
MSG
STATUS

Channel 165


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
11:05:53 AM Mar 23, 2016
Center Freq 5.825000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.825000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
5.825000000 GHz
Center 5.825 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Channel Power
22.12 dBm/ 17.54 MHz
Power Spectral Density
-50.32 dBm/Hz
MSG
STATUS

Product	DUAL BAND 3X3 802.11AC GIGABIT ROUTER		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/23	Test Site	SR7

IEEE 802.11a (ANT 0+1+2)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	26.86	≤30
157	5785	26.70	≤30
165	5825	26.78	≤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	26.86	--	--	--	--	--	--	≤30dBm
157	5785	26.70	26.43	26.17	25.94	25.82	25.49	25.08	
165	5825	26.78	--	--	--	--	--	--	

Product	DUAL BAND 3X3 802.11AC GIGABIT ROUTER		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/23	Test Site	SR7

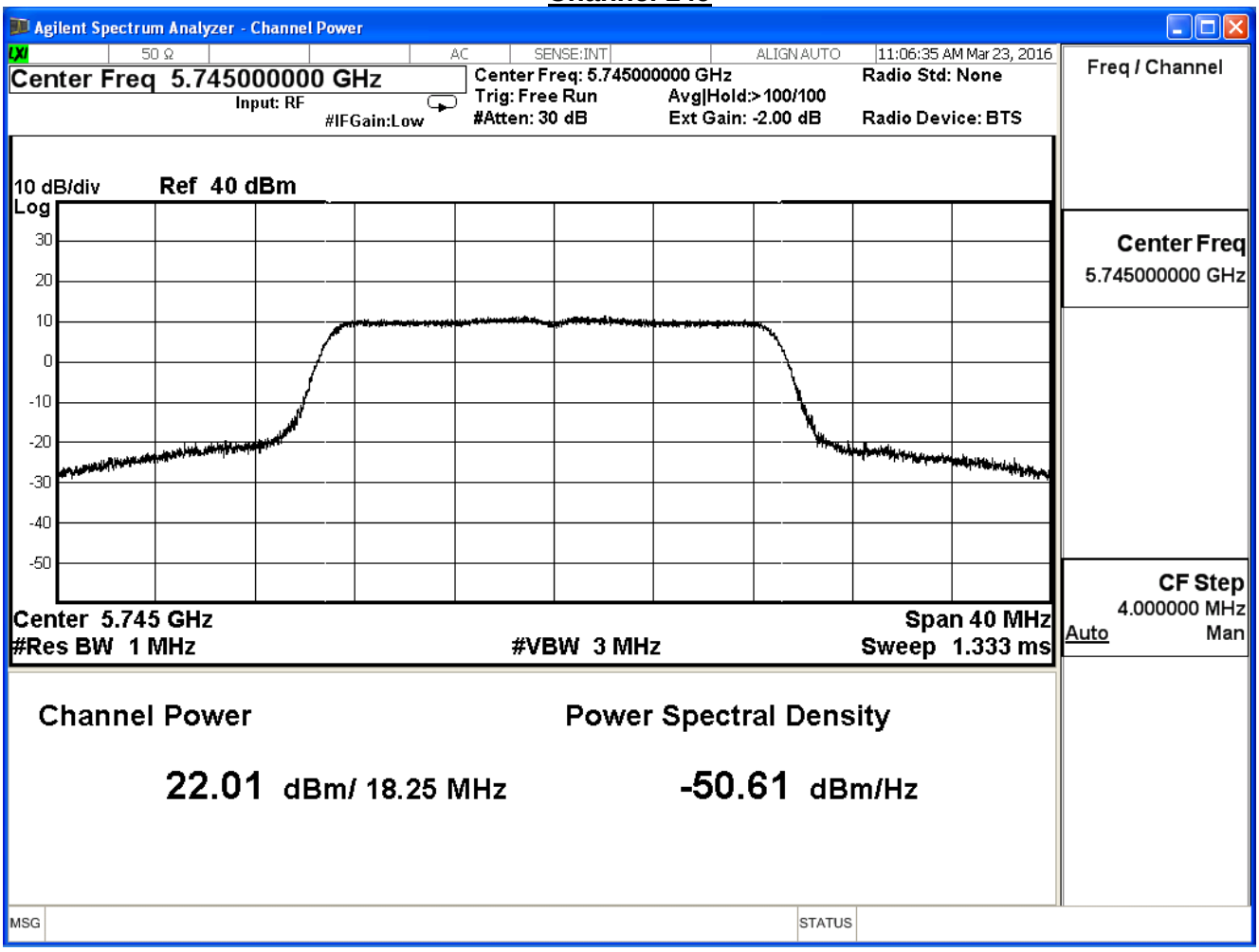
IEEE 802.11n 20MHz (ANT 0)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	22.01	≤30
157	5785	21.72	≤30
165	5825	21.90	≤30

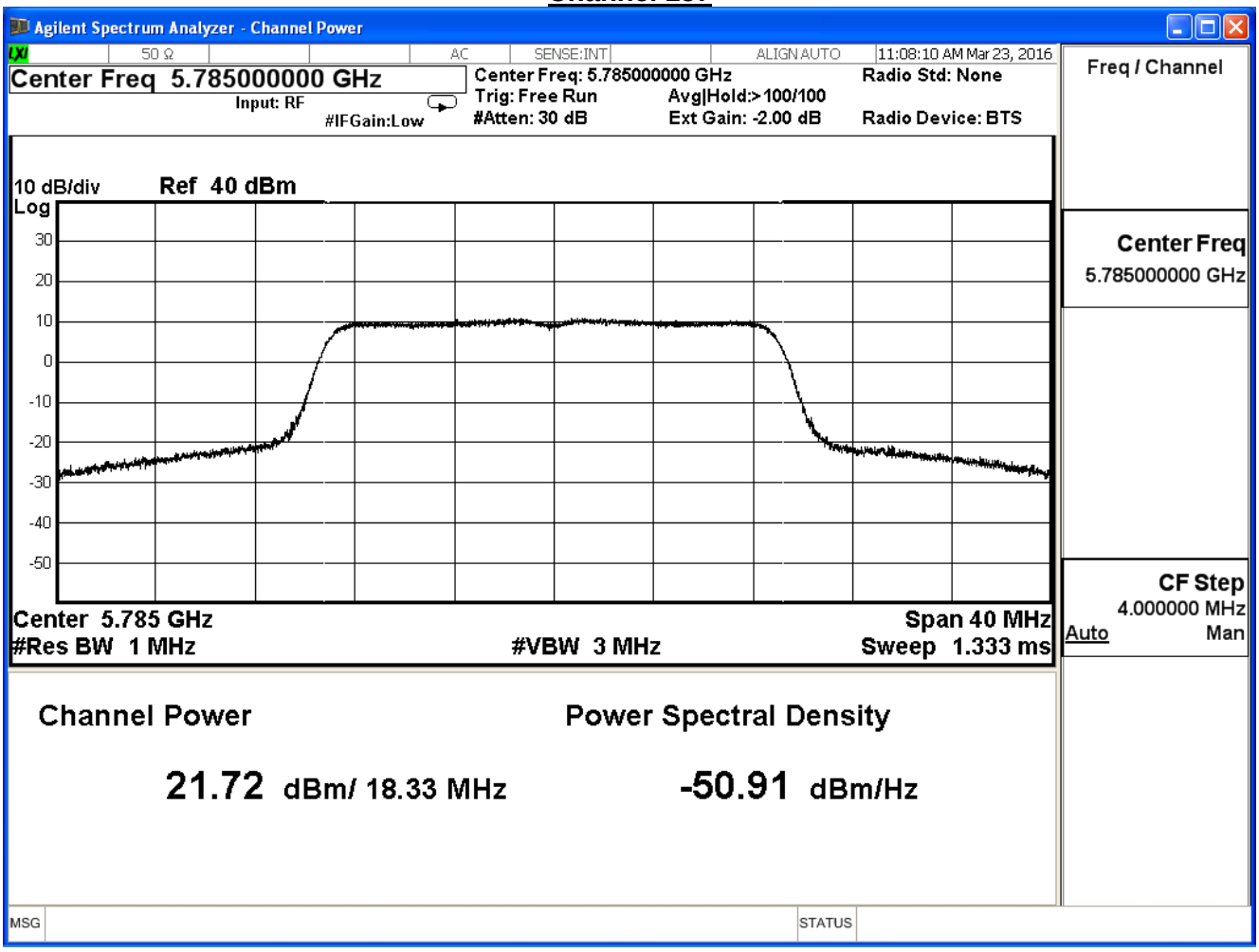
The worst emission of data rate is 6.5 Mbps.

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		6.5	13	19.5	26	39	52	58.5	65	
149	5745	22.01	--	--	--	--	--	--	--	≤30dBm
157	5785	21.72	21.39	21.20	20.75	20.62	20.13	19.62	19.25	
165	5825	21.90	--	--	--	--	--	--	--	

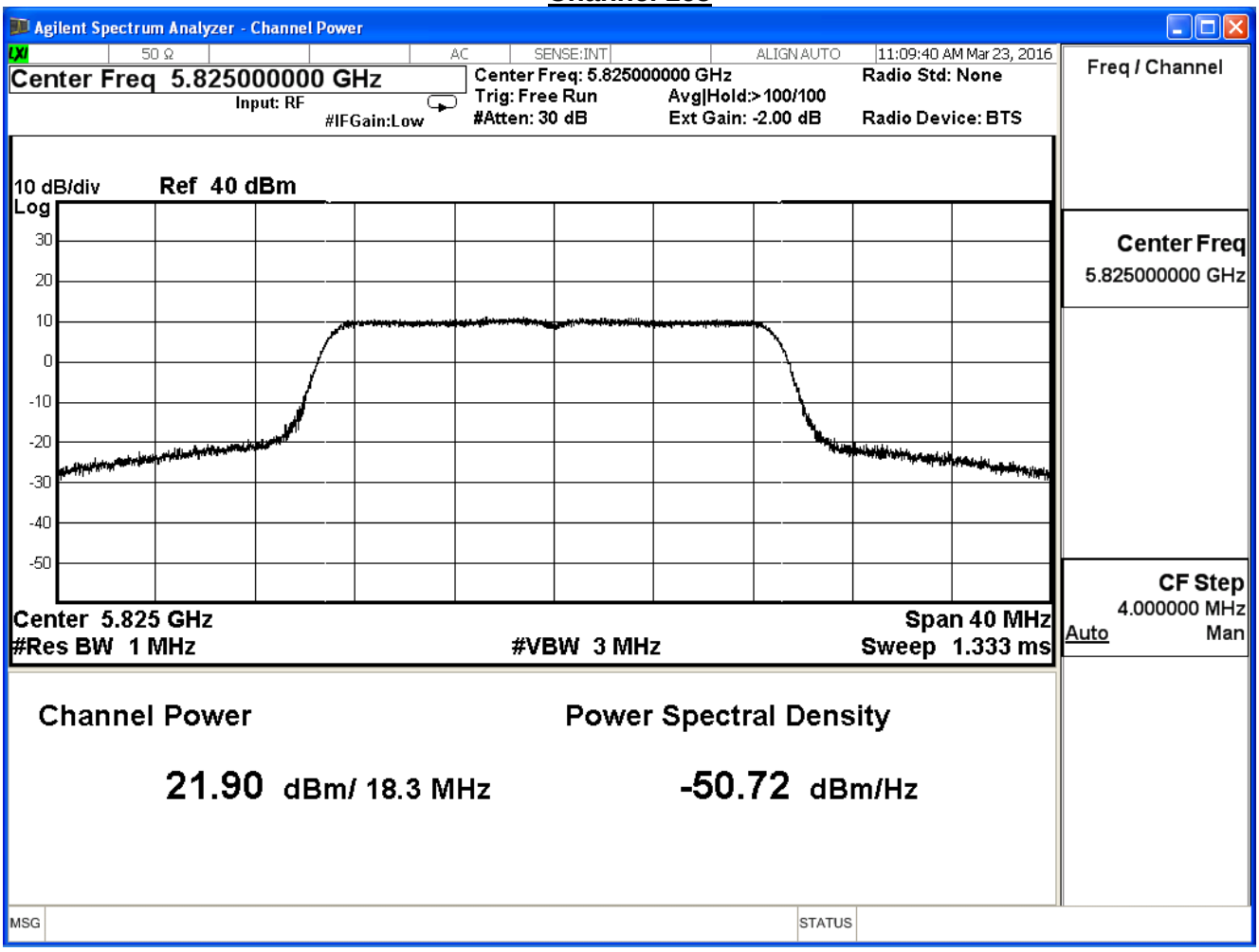
Channel 149


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
11:06:35 AM Mar 23, 2016
Center Freq 5.745000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.745000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.745000000 GHz
CF Step
4.000000 MHz
Auto
Man
Center 5.745 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 40 MHz
Sweep 1.333 ms
Channel Power
22.01 dBm/ 18.25 MHz
Power Spectral Density
-50.61 dBm/Hz
MSG
STATUS

Channel 157


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
11:08:10 AM Mar 23, 2016
Center Freq 5.785000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.785000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
Center Freq
5.785000000 GHz
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center 5.785 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Channel Power
21.72 dBm/ 18.33 MHz
Power Spectral Density
-50.91 dBm/Hz
MSG
STATUS

Channel 165


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
11:09:40 AM Mar 23, 2016
Center Freq 5.825000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.825000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
Center Freq
5.825000000 GHz
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center 5.825 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Channel Power
21.90 dBm/ 18.3 MHz
Power Spectral Density
-50.72 dBm/Hz
MSG
STATUS

Product	DUAL BAND 3X3 802.11AC GIGABIT ROUTER		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/23	Test Site	SR7

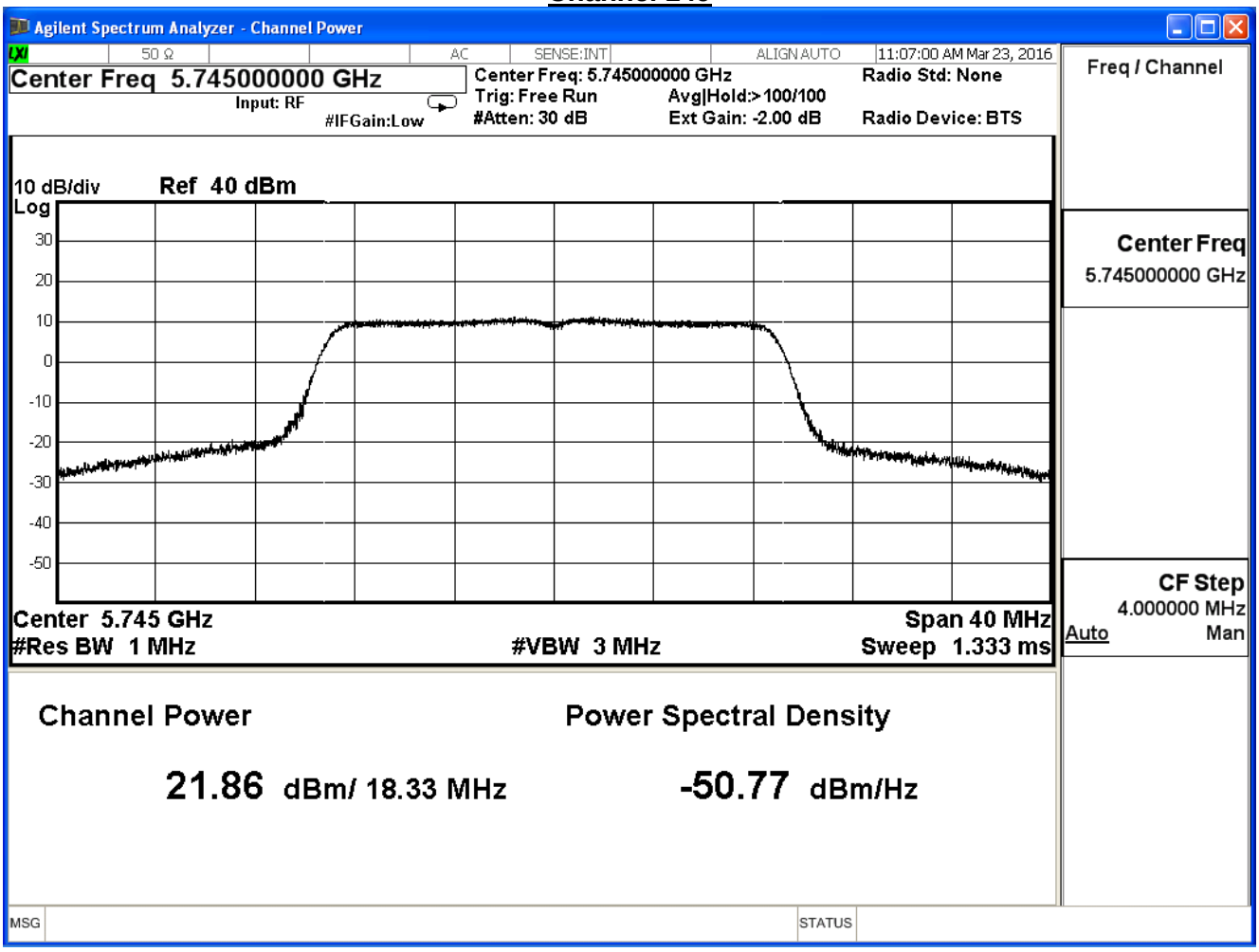
IEEE 802.11n 20MHz (ANT 1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	21.86	≤30
157	5785	21.93	≤30
165	5825	21.96	≤30

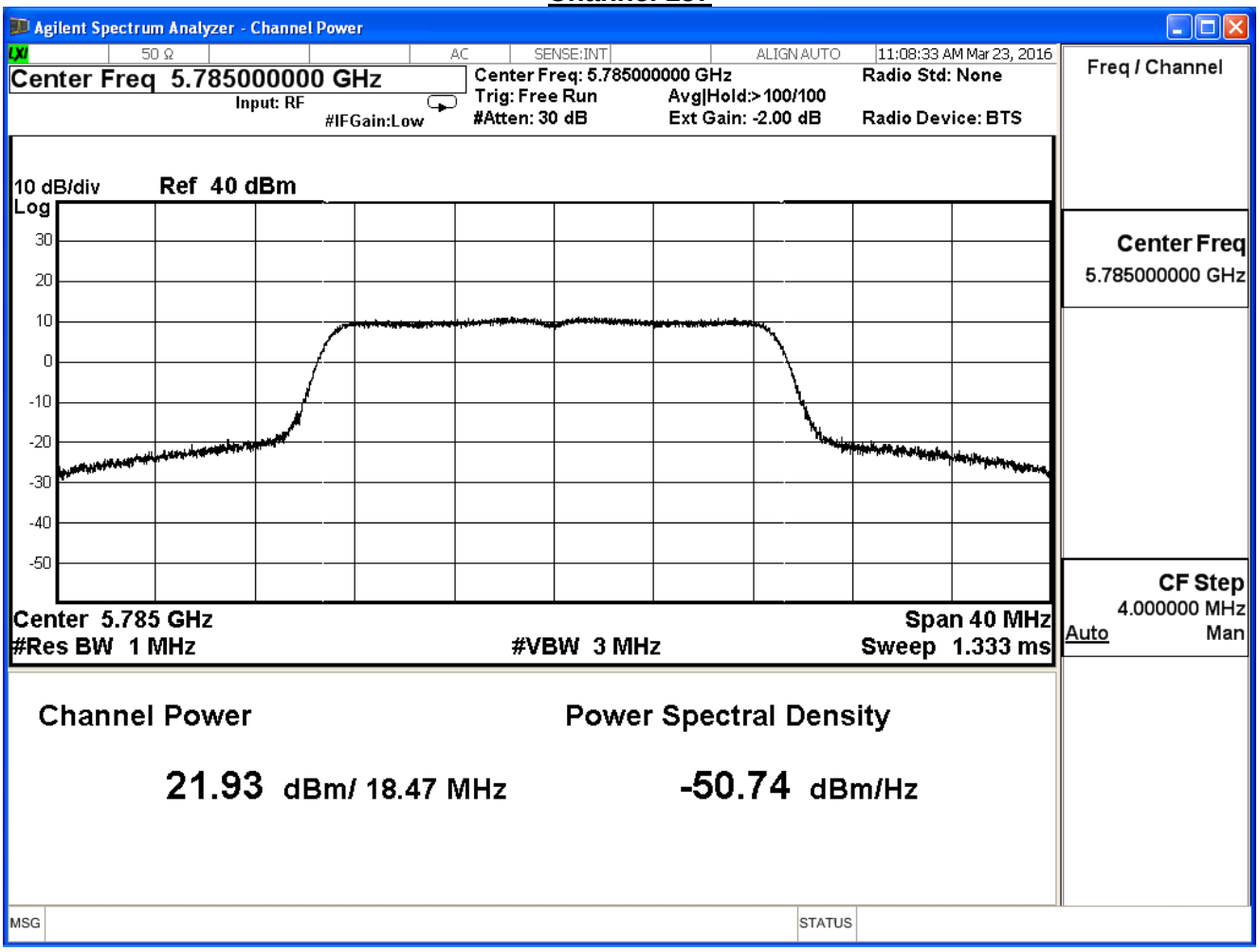
The worst emission of data rate is 6.5 Mbps.

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		6.5	13	19.5	26	39	52	58.5	65	
149	5745	21.86	--	--	--	--	--	--	--	≤30dBm
157	5785	21.93	21.60	21.21	20.99	20.74	20.25	19.99	19.81	
165	5825	21.96	--	--	--	--	--	--	--	

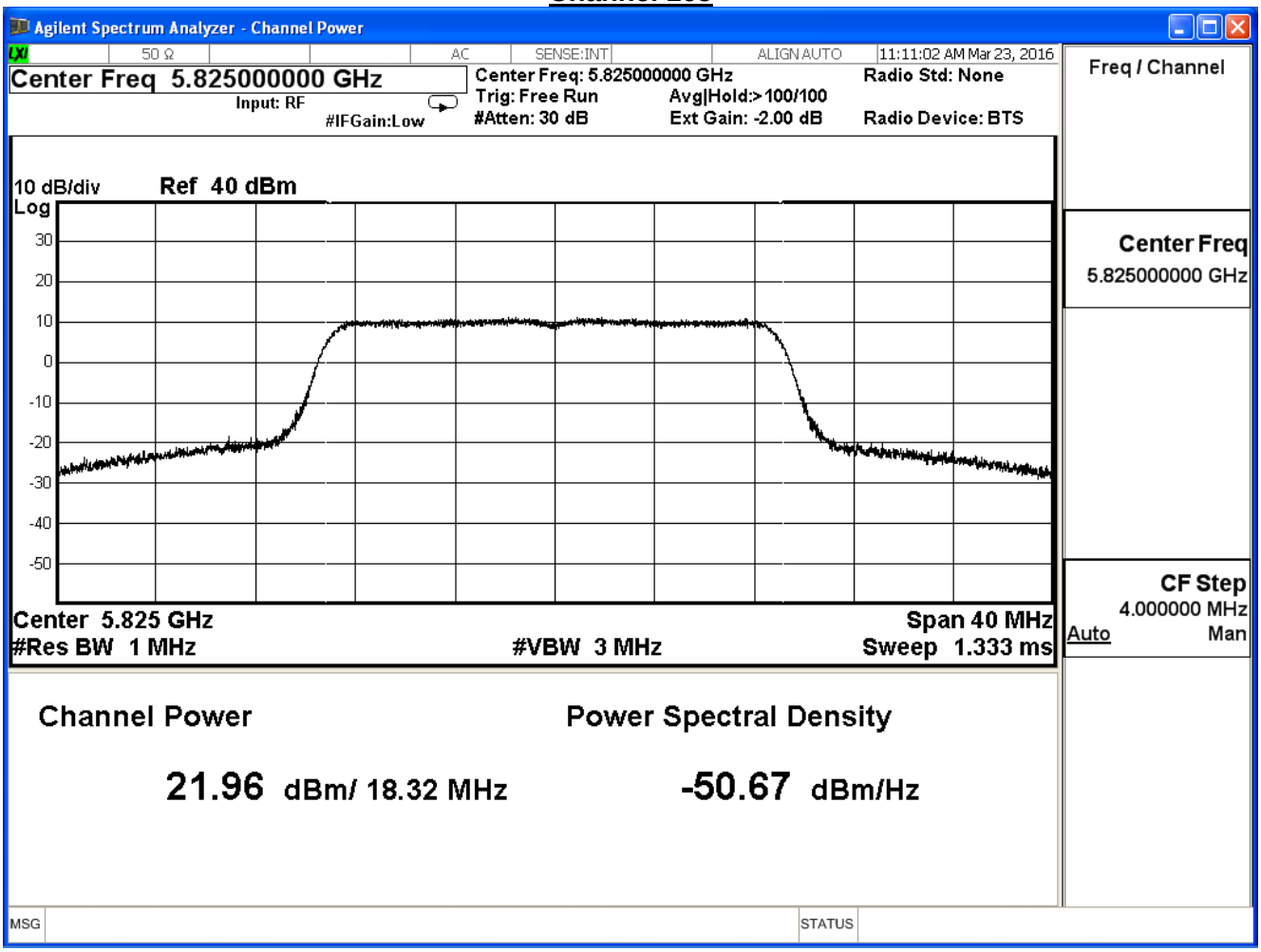
Channel 149


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
11:07:00 AM Mar 23, 2016
Center Freq 5.745000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.745000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.745000000 GHz
Center 5.745 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Channel Power
21.86 dBm/ 18.33 MHz
Power Spectral Density
-50.77 dBm/Hz
MSG
STATUS

Channel 157


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
11:08:33 AM Mar 23, 2016
Center Freq 5.785000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.785000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
Center Freq
5.785000000 GHz
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center 5.785 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Channel Power
21.93 dBm/ 18.47 MHz
Power Spectral Density
-50.74 dBm/Hz
MSG
STATUS

Channel 165


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
11:11:02 AM Mar 23, 2016
Center Freq 5.825000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.825000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.825000000 GHz
Center 5.825 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Channel Power
21.96 dBm/ 18.32 MHz
Power Spectral Density
-50.67 dBm/Hz
MSG
STATUS

Product	DUAL BAND 3X3 802.11AC GIGABIT ROUTER		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/23	Test Site	SR7

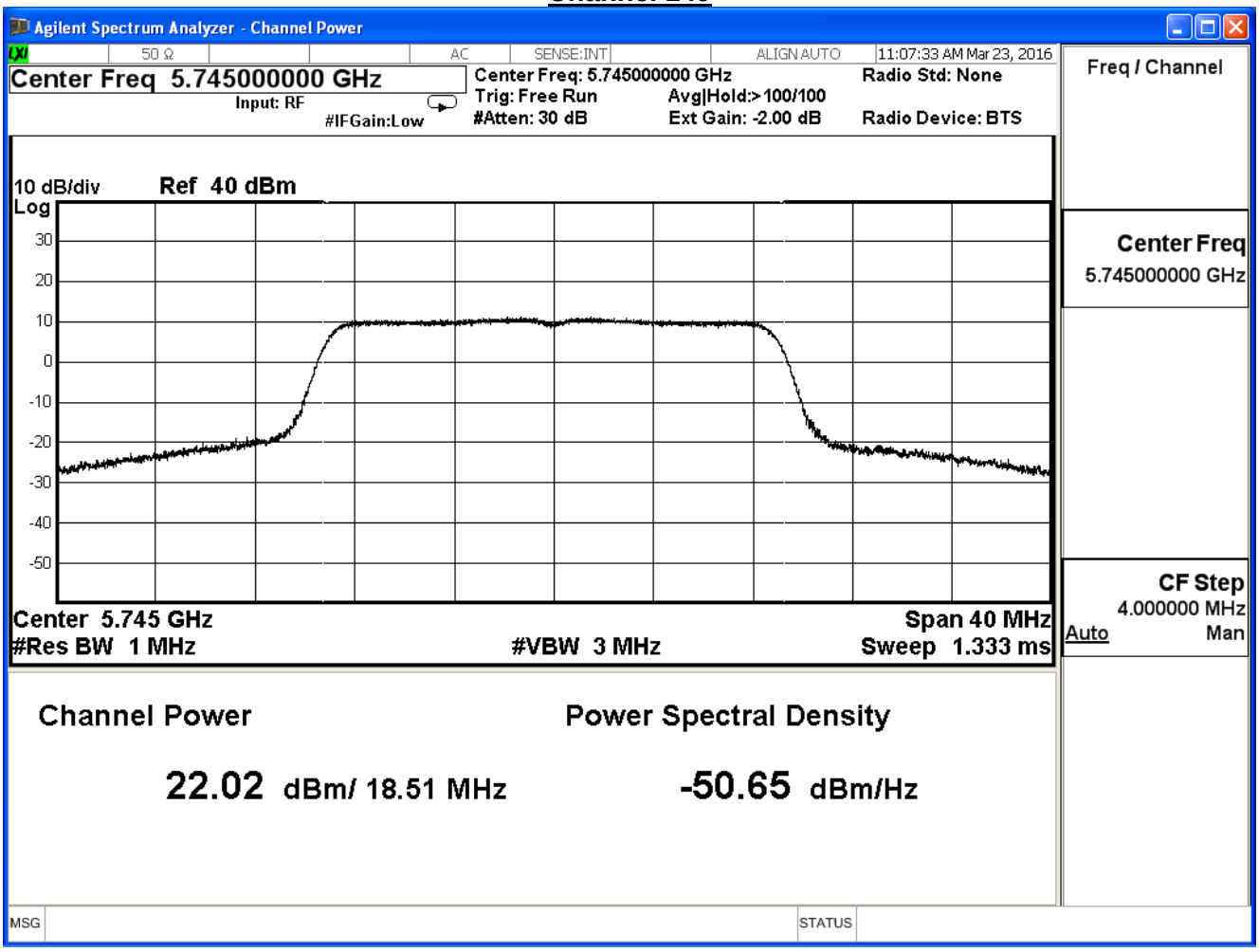
IEEE 802.11n 20MHz (ANT 2)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	22.02	≤30
157	5785	21.96	≤30
165	5825	21.88	≤30

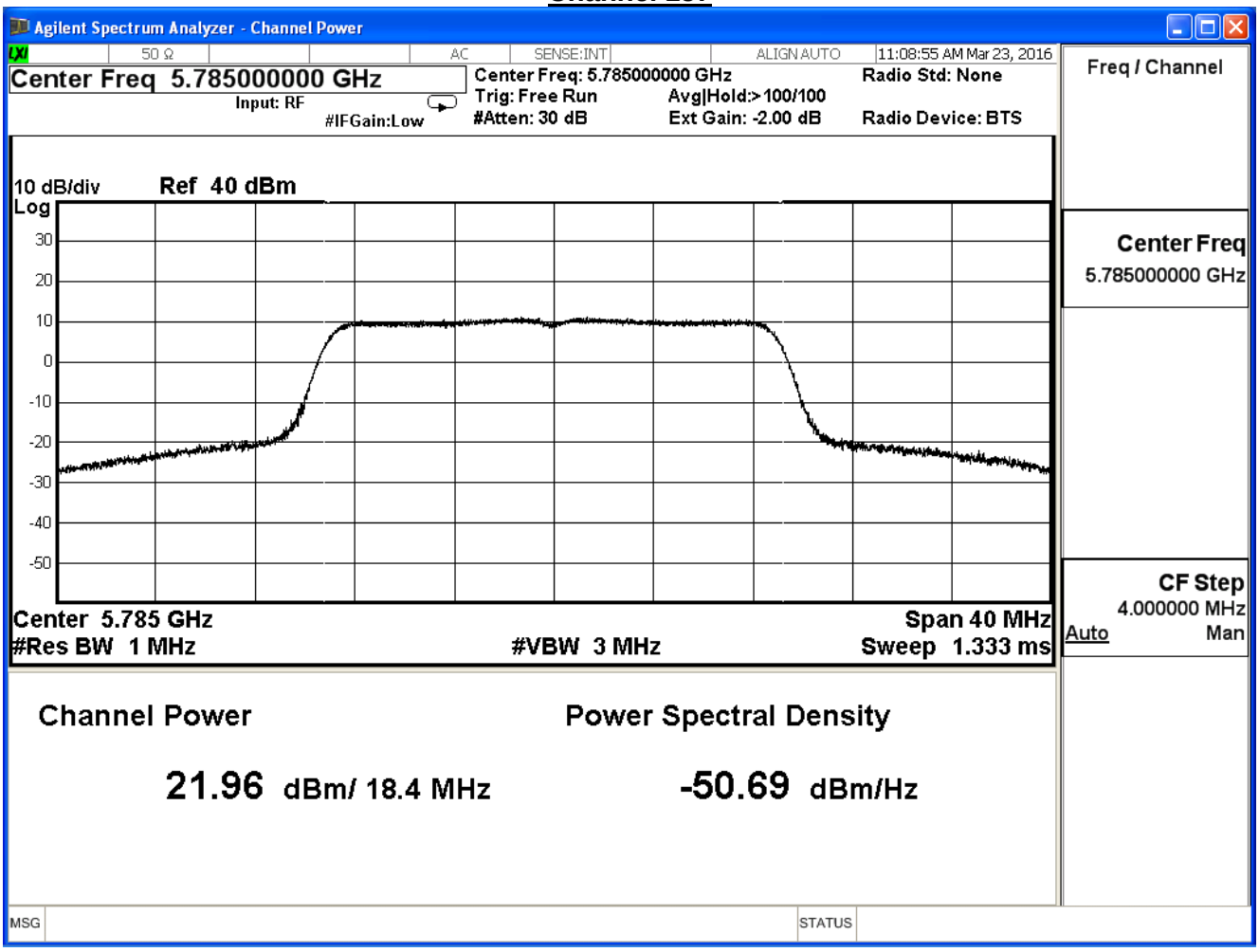
The worst emission of data rate is 6.5 Mbps.

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		6.5	13	19.5	26	39	52	58.5	65	
149	5745	22.02	--	--	--	--	--	--	--	≤30dBm
157	5785	21.96	21.63	21.24	20.79	20.54	20.05	19.54	19.36	
165	5825	21.88	--	--	--	--	--	--	--	

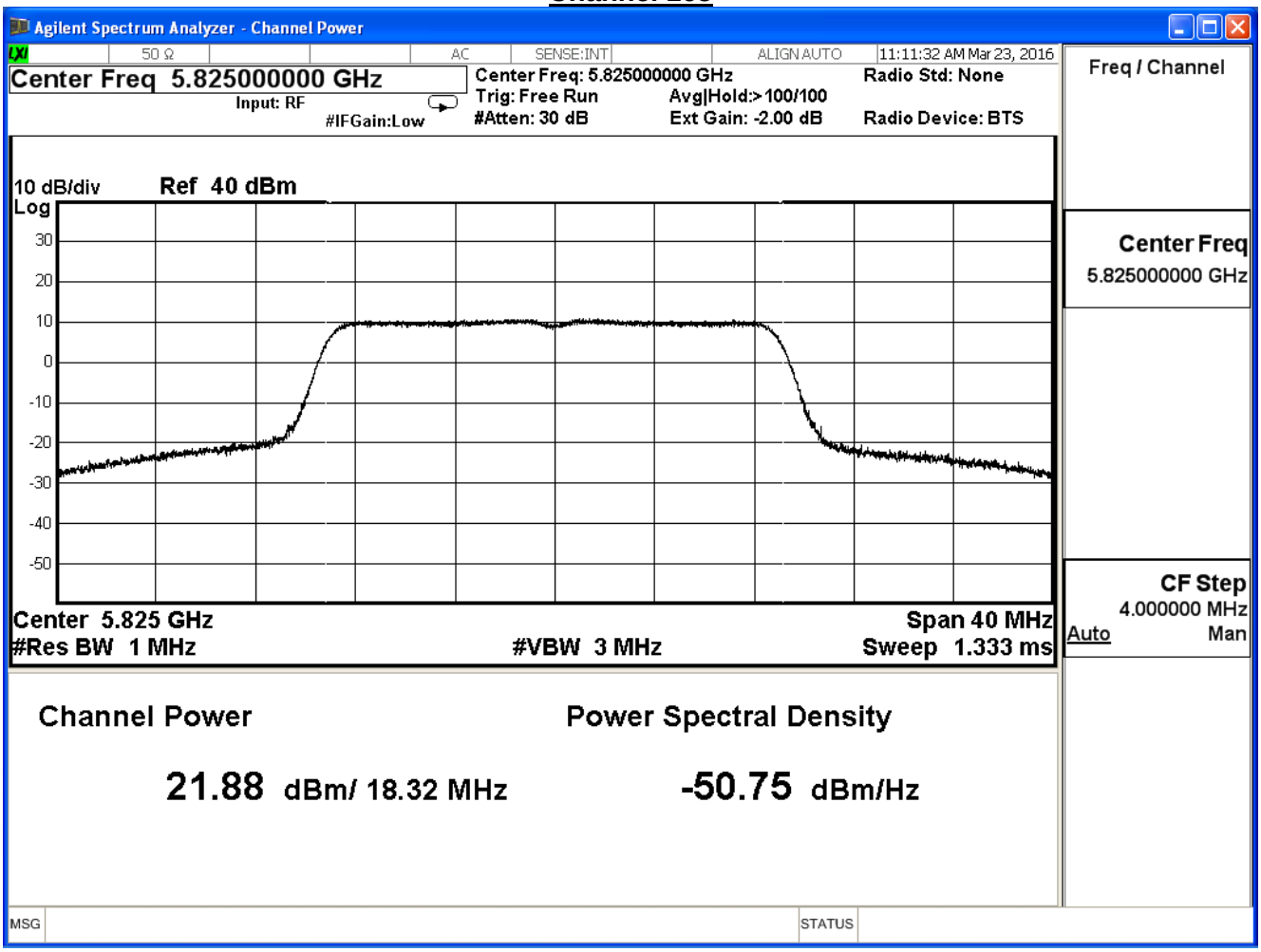
Channel 149


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
11:07:33 AM Mar 23, 2016
Center Freq 5.745000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.745000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.745000000 GHz
CF Step
4.000000 MHz
Auto
Man
Center 5.745 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 40 MHz
Sweep 1.333 ms
Channel Power
22.02 dBm/ 18.51 MHz
Power Spectral Density
-50.65 dBm/Hz
MSG
STATUS

Channel 157


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
11:08:55 AM Mar 23, 2016
Center Freq 5.785000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.785000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.785000000 GHz
CF Step
4.000000 MHz
Auto
Man
Center 5.785 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 40 MHz
Sweep 1.333 ms
Channel Power
21.96 dBm/ 18.4 MHz
Power Spectral Density
-50.69 dBm/Hz
MSG
STATUS

Channel 165


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
11:11:32 AM Mar 23, 2016
Center Freq 5.825000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.825000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
Center Freq
5.825000000 GHz
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center 5.825 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Channel Power
21.88 dBm/ 18.32 MHz
Power Spectral Density
-50.75 dBm/Hz
MSG
STATUS

Product	DUAL BAND 3X3 802.11AC GIGABIT ROUTER		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/23	Test Site	SR7

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

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	26.74	≤30
157	5785	26.64	≤30
165	5825	26.68	≤30

The worst emission of data rate is 6.5 Mbps.

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		6.5	13	19.5	26	39	52	58.5	65	
149	5745	26.74	--	--	--	--	--	--	--	≤30dBm
157	5785	26.64	26.31	25.99	25.61	25.40	24.91	24.49	24.25	
165	5825	26.68	--	--	--	--	--	--	--	

Product	DUAL BAND 3X3 802.11AC GIGABIT ROUTER		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/23	Test Site	SR7

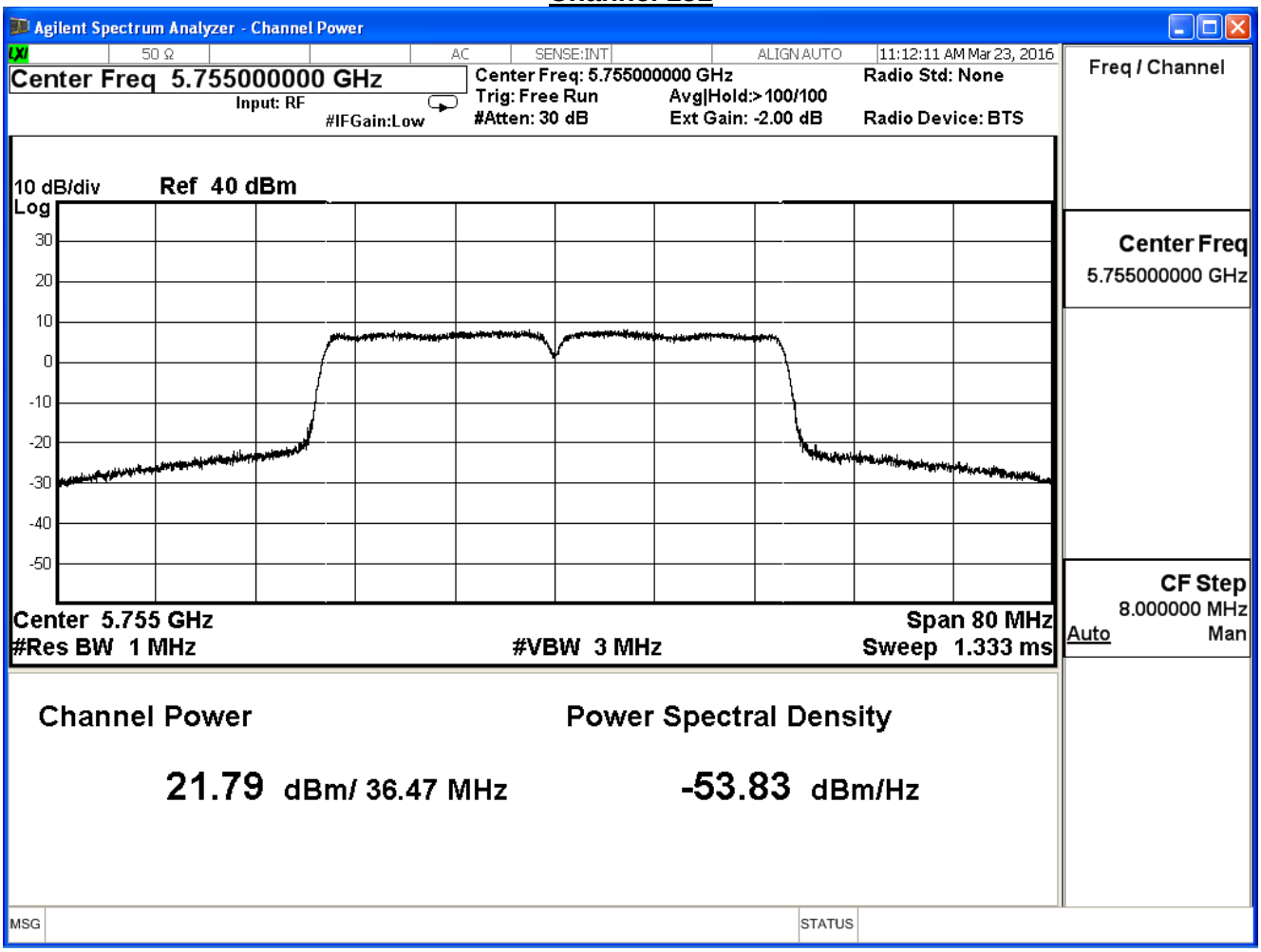
IEEE802.11n 40MHz(ANT 0)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
151	5755	21.79	≤30
159	5795	21.86	≤30

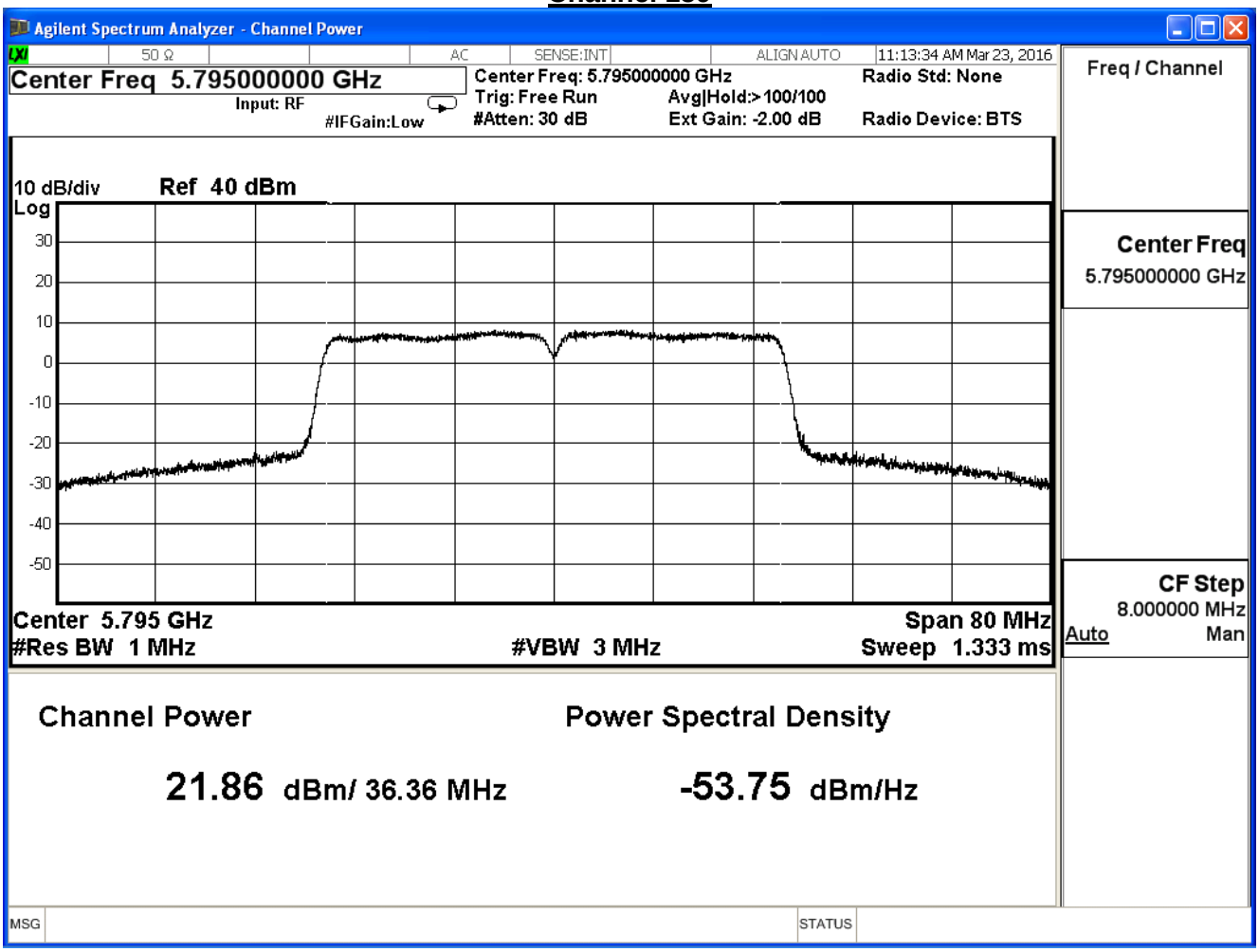
The worst emission of data rate is 13.5 Mbps.

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		13.5	27	40.5	54	81	108	121.5	135	
151	5755	21.79	--	--	--	--	--	--	--	≤30dBm
159	5795	21.86	21.53	21.14	20.69	20.57	20.32	20.07	19.88	

Channel 151


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
11:12:11 AM Mar 23, 2016
Center Freq 5.755000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.755000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
Center Freq
5.755000000 GHz
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center 5.755 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Channel Power
21.79 dBm/ 36.47 MHz
Power Spectral Density
-53.83 dBm/Hz
MSG
STATUS

Channel 159


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
11:13:34 AM Mar 23, 2016
Center Freq 5.795000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.795000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.795000000 GHz
CF Step
8.000000 MHz
Auto
Man
Center 5.795 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
Channel Power
21.86 dBm/ 36.36 MHz
Power Spectral Density
-53.75 dBm/Hz
MSG
STATUS

Product	DUAL BAND 3X3 802.11AC GIGABIT ROUTER		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/23	Test Site	SR7

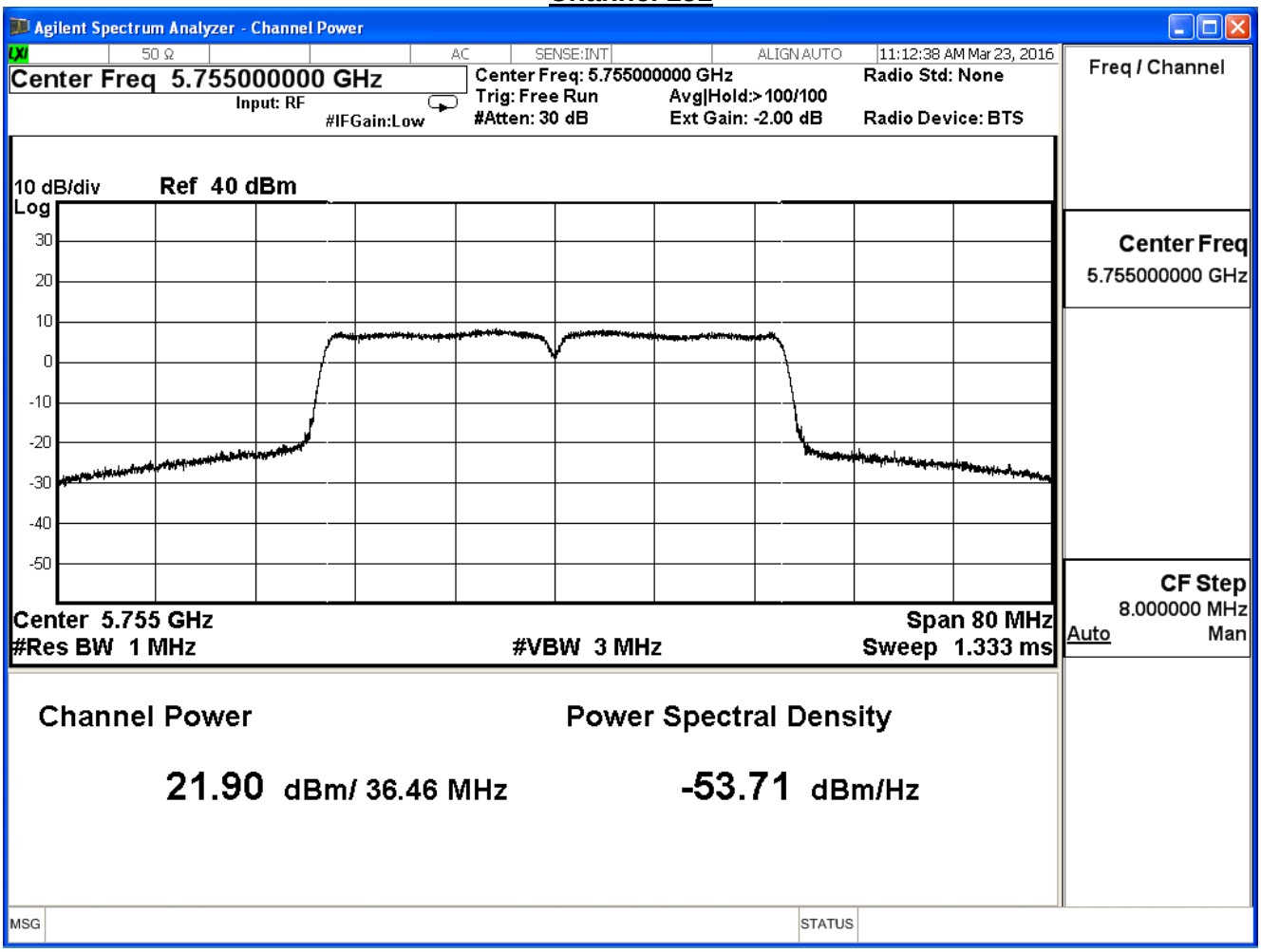
IEEE802.11n 40MHz(ANT 1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
151	5755	21.90	≤30
159	5795	21.89	≤30

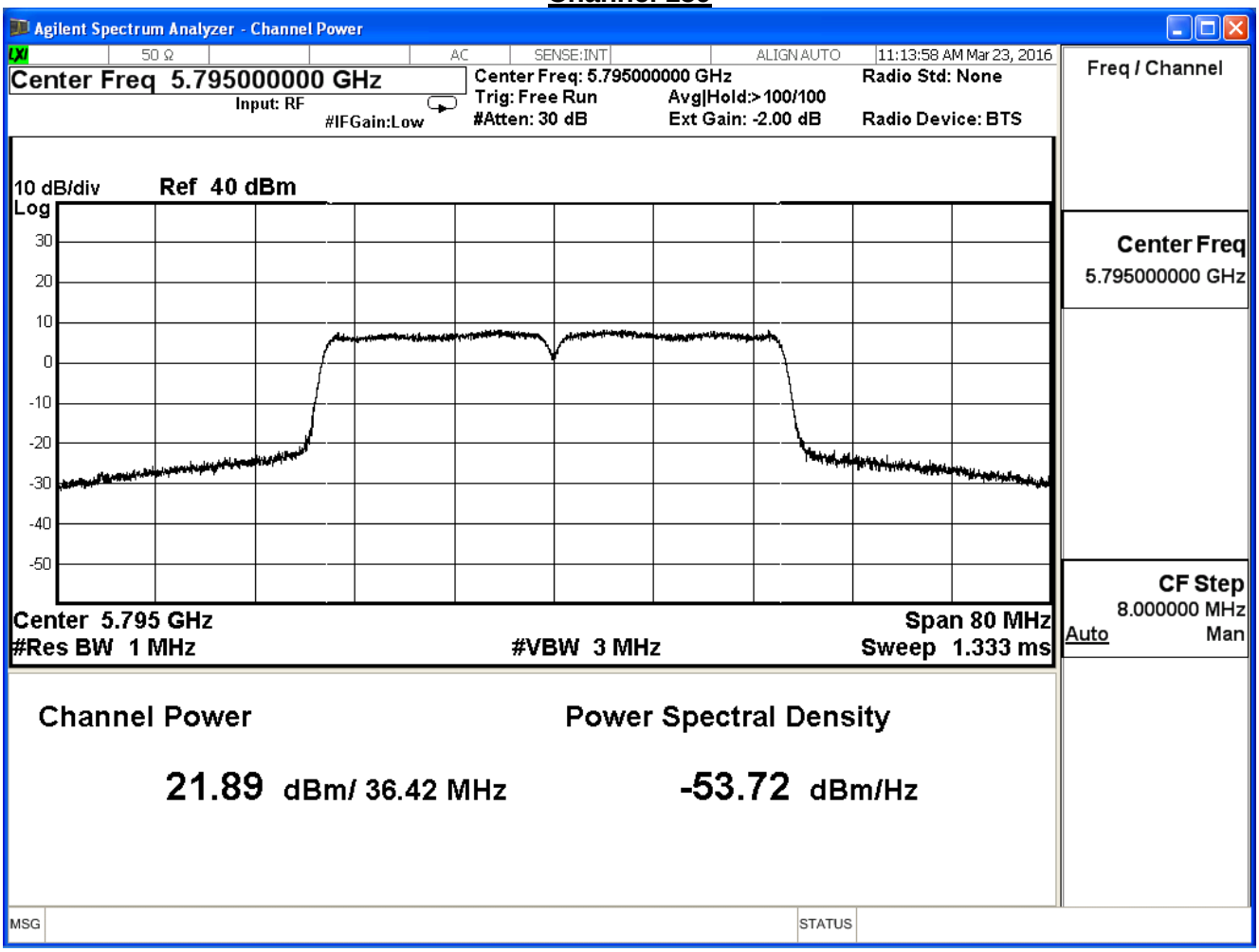
The worst emission of data rate is 13.5 Mbps.

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		13.5	27	40.5	54	81	108	121.5	135	
151	5755	21.90	--	--	--	--	--	--	--	≤30dBm
159	5795	21.89	21.56	21.37	21.14	20.89	20.40	19.89	19.71	

Channel 151


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
11:12:38 AM Mar 23, 2016
Center Freq 5.755000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.755000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
Center Freq
5.755000000 GHz
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center 5.755 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Channel Power
21.90 dBm/ 36.46 MHz
Power Spectral Density
-53.71 dBm/Hz
MSG
STATUS

Channel 159


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
11:13:58 AM Mar 23, 2016
Center Freq 5.795000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.795000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.795000000 GHz
CF Step
8.000000 MHz
Auto
Man
Center 5.795 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
Channel Power
21.89 dBm/ 36.42 MHz
Power Spectral Density
-53.72 dBm/Hz
MSG
STATUS

Product	DUAL BAND 3X3 802.11AC GIGABIT ROUTER		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/23	Test Site	SR7

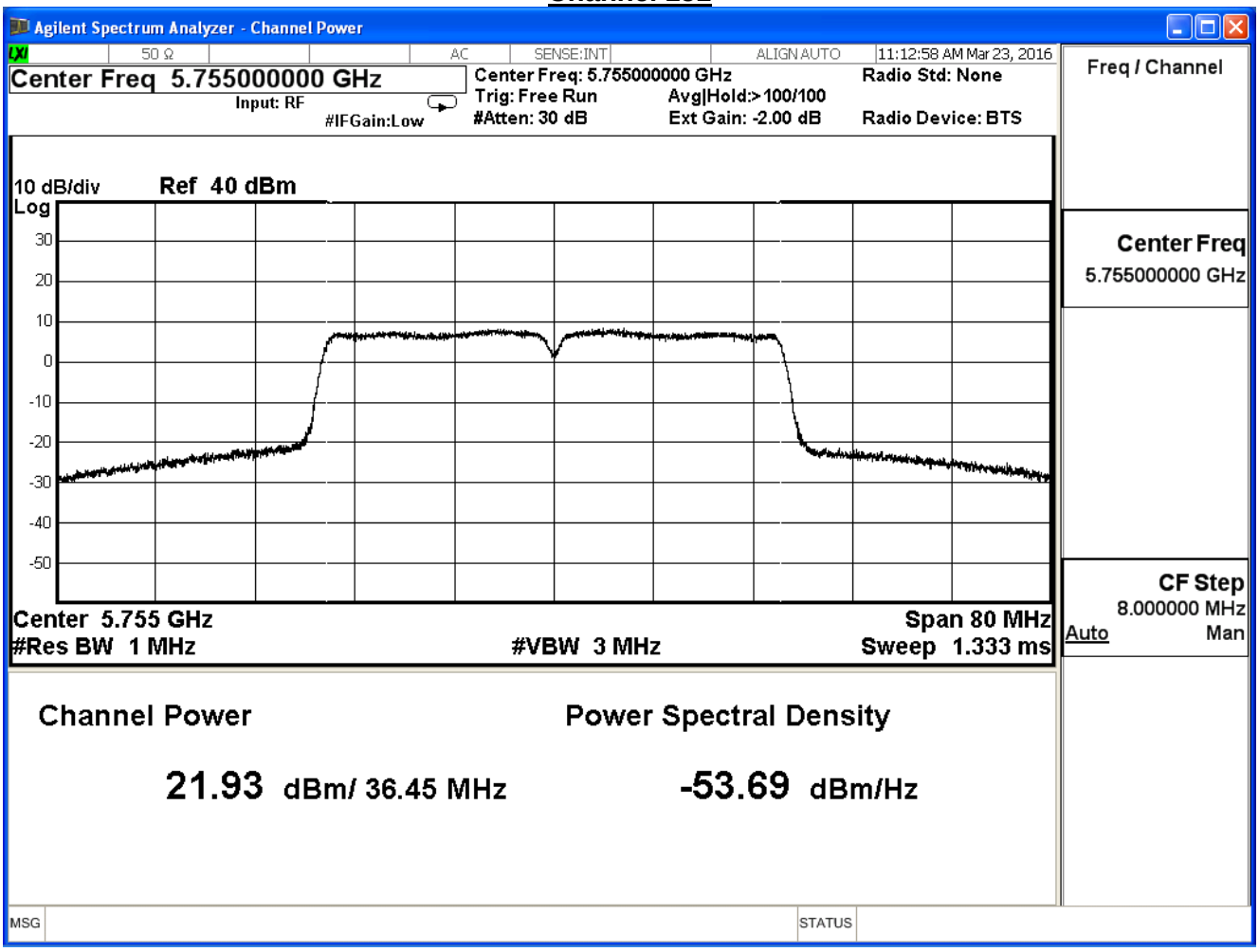
IEEE802.11n 40MHz(ANT 2)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
151	5755	21.93	≤30
159	5795	22.11	≤30

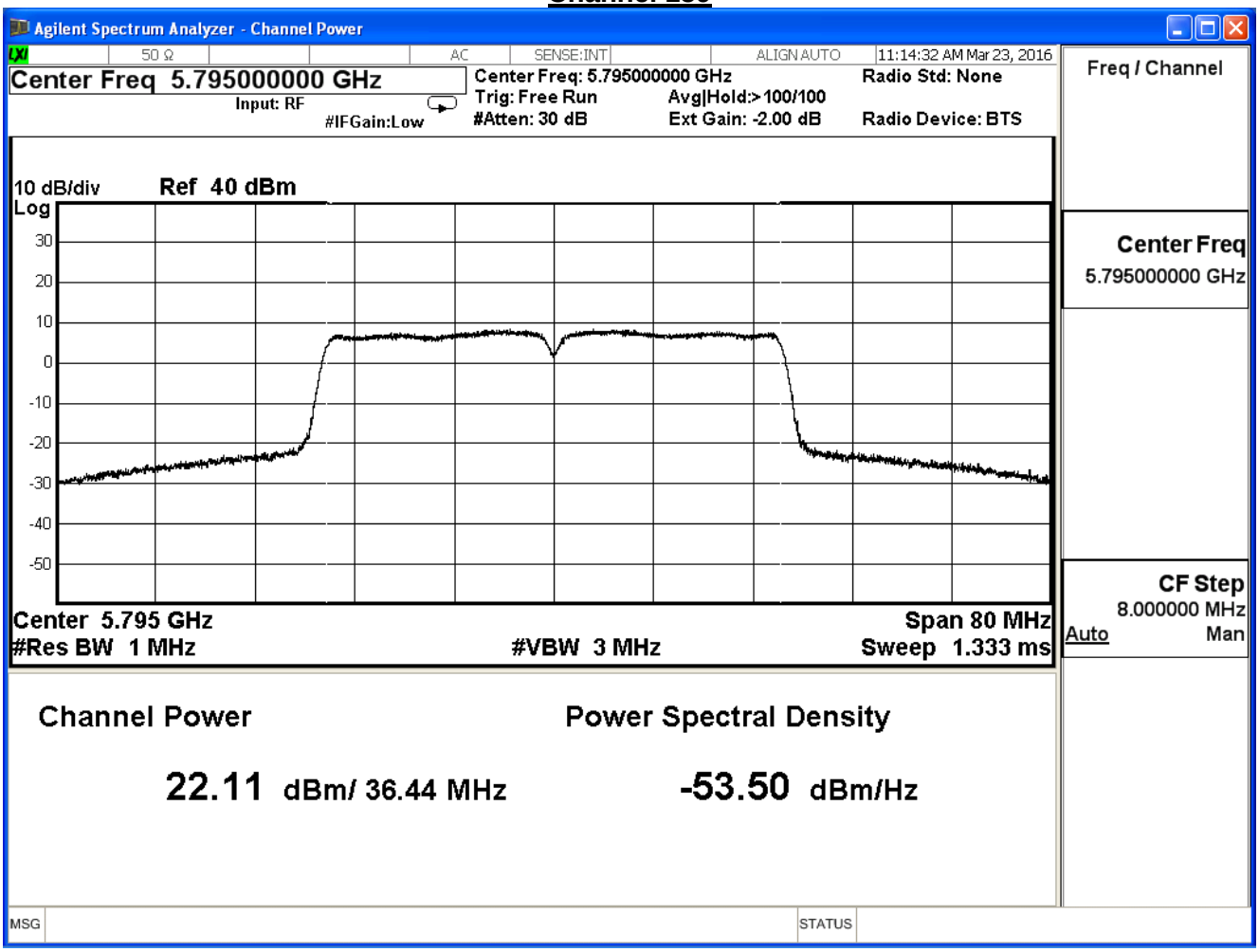
The worst emission of data rate is 13.5 Mbps.

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		13.5	27	40.5	54	81	108	121.5	135	
151	5755	21.93	--	--	--	--	--	--	--	≤30dBm
159	5795	22.11	21.78	21.39	21.17	21.04	20.80	20.54	20.17	

Channel 151


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
11:12:58 AM Mar 23, 2016
Center Freq 5.755000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.755000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
Center Freq
5.755000000 GHz
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center 5.755 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Channel Power
21.93 dBm/ 36.45 MHz
Power Spectral Density
-53.69 dBm/Hz
MSG
STATUS

Channel 159


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
11:14:32 AM Mar 23, 2016
Center Freq 5.795000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.795000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.795000000 GHz
CF Step
8.000000 MHz
Auto
Man
Center 5.795 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
Channel Power
22.11 dBm/ 36.44 MHz
Power Spectral Density
-53.50 dBm/Hz
MSG
STATUS

Product	DUAL BAND 3X3 802.11AC GIGABIT ROUTER		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/23	Test Site	SR7

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

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
151	5755	26.64	≤30
159	5795	26.73	≤30

The worst emission of data rate is 13.5 Mbps.

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		13.5	27	40.5	54	81	108	121.5	135	
151	5755	26.64	--	--	--	--	--	--	--	≤30dBm
159	5795	26.73	26.40	26.07	25.77	25.61	25.28	24.94	24.69	

Product	DUAL BAND 3X3 802.11AC GIGABIT ROUTER		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/23	Test Site	SR7

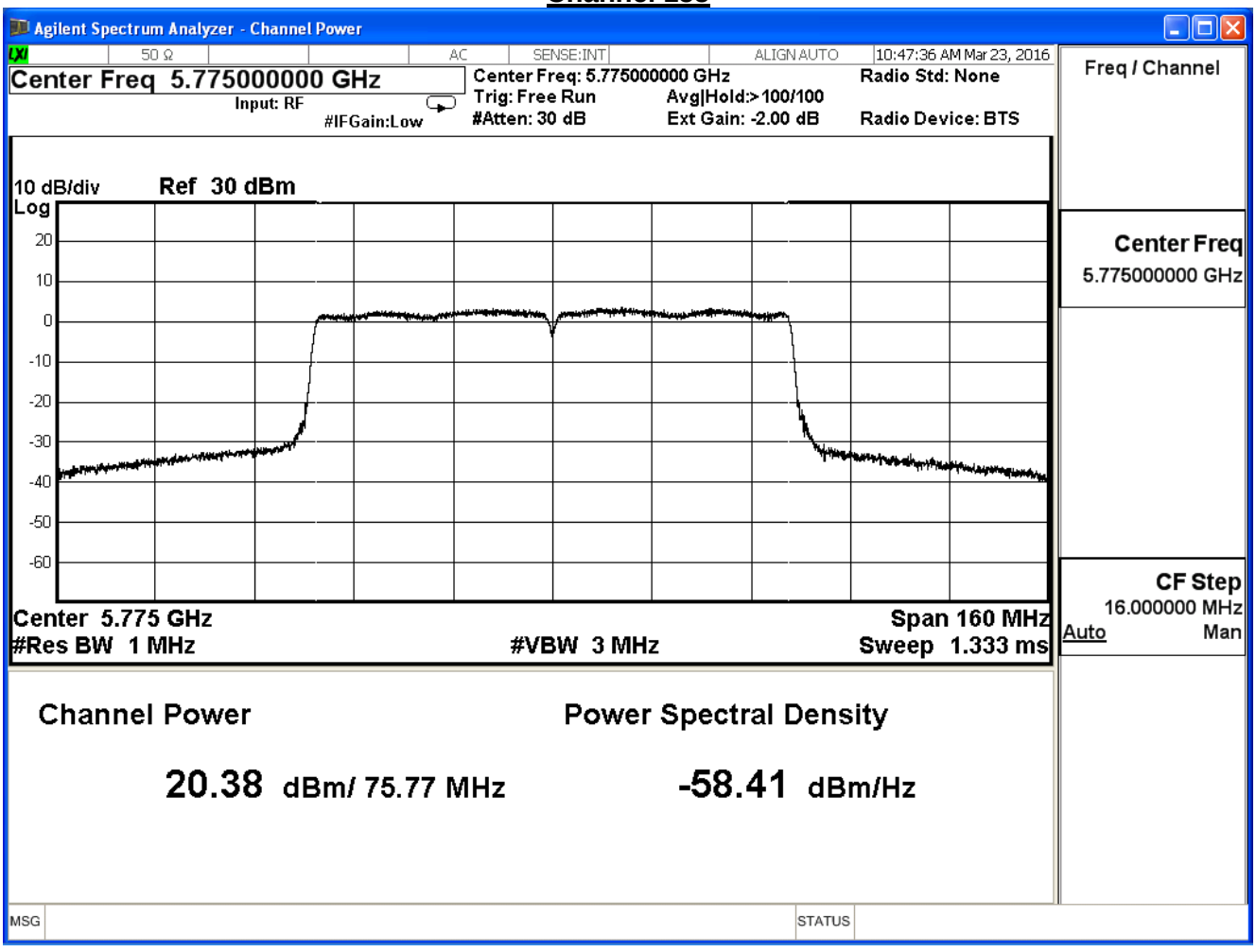
IEEE 802.11ac 80MHz (ANT 0)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
155	5775	20.38	≤30

The worst emission of data rate is 29.3 Mbps

Peak Power Output (dBm)												
MCS Index		0	1	2	3	4	5	6	7	8	9	Required Limit
Channel No	Frequency (MHz)	Data Rate										
		29.3	58.5	87.8	117	175.5	234	263.3	292.5	351	390	≤30dBm
155	5775	20.38	20.08	19.91	19.53	19.13	18.79	18.35	18.14	17.90	17.40	

Channel 155



Product	DUAL BAND 3X3 802.11AC GIGABIT ROUTER		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/23	Test Site	SR7

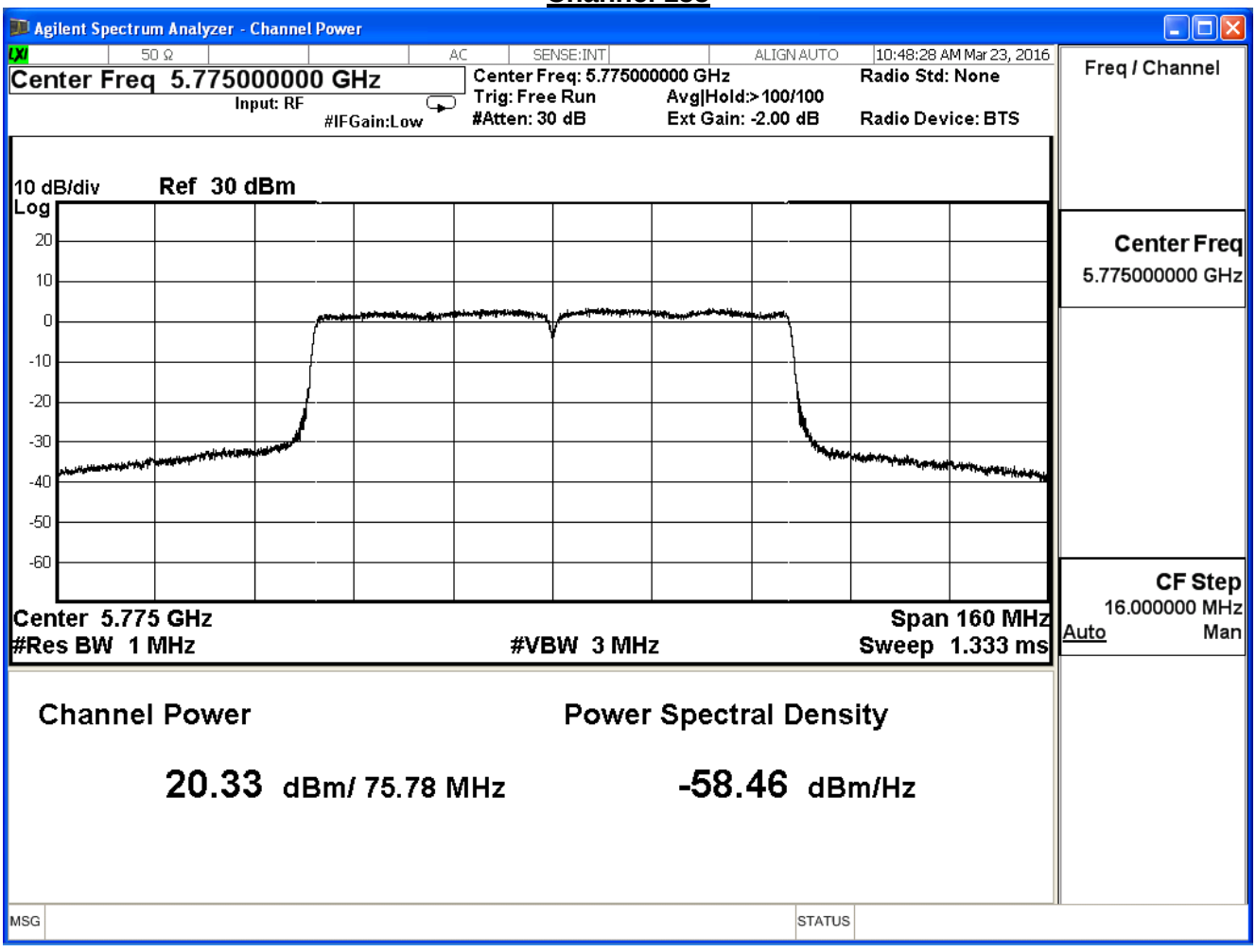
IEEE 802.11ac 80MHz (ANT 1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
155	5775	20.33	≤30

The worst emission of data rate is 29.3 Mbps

Peak Power Output (dBm)												
MCS Index		0	1	2	3	4	5	6	7	8	9	Required Limit
Channel No	Frequency (MHz)	Data Rate										
		29.3	58.5	87.8	117	175.5	234	263.3	292.5	351	390	≤30dBm
155	5775	20.33	20.18	19.84	19.46	19.26	18.92	18.70	18.49	18.01	17.51	

Channel 155



Product	DUAL BAND 3X3 802.11AC GIGABIT ROUTER		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/23	Test Site	SR7

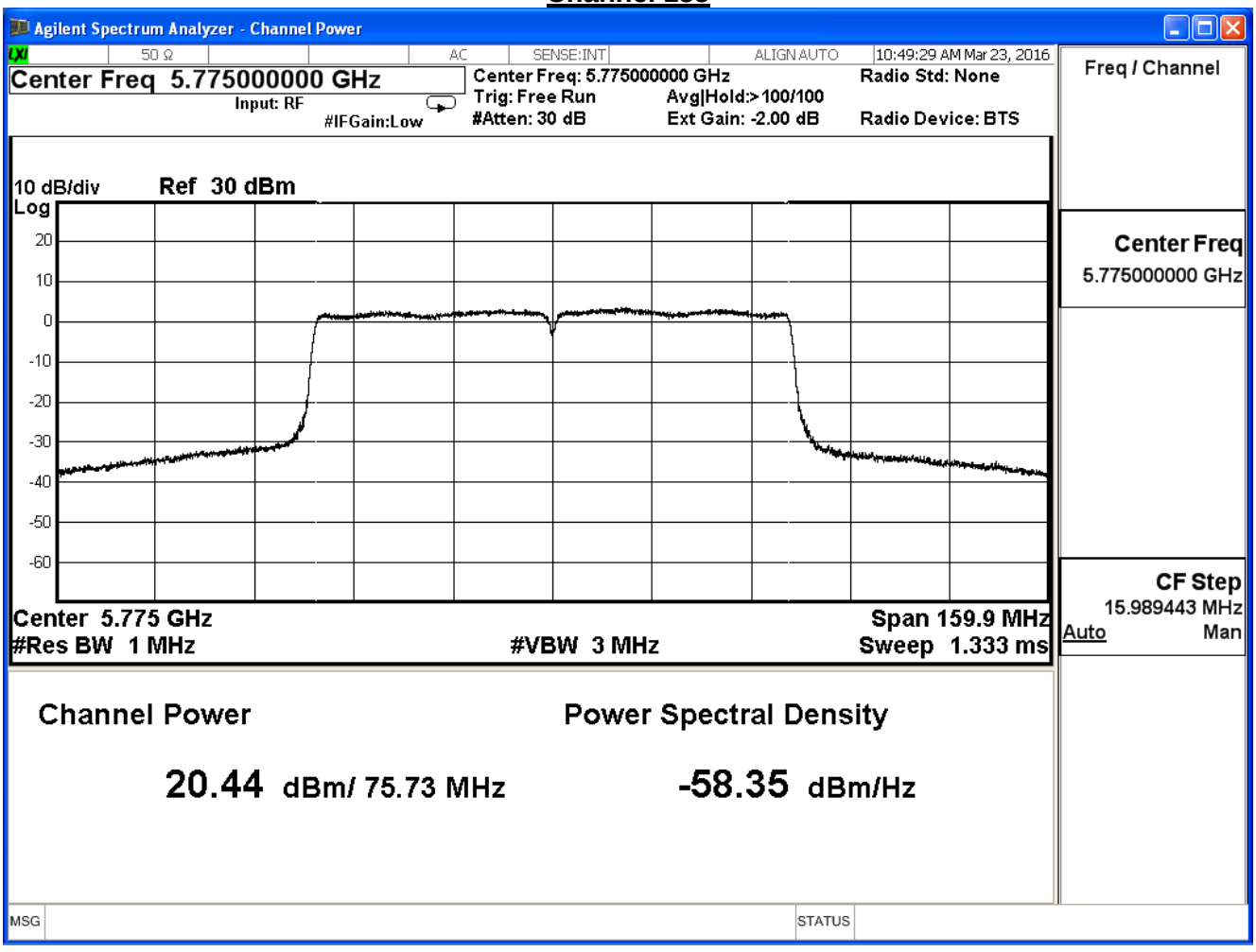
IEEE 802.11ac 80MHz (ANT 2)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
155	5775	20.44	≤30

The worst emission of data rate is 29.3 Mbps

Peak Power Output (dBm)												
MCS Index		0	1	2	3	4	5	6	7	8	9	Required Limit
Channel No	Frequency (MHz)	Data Rate										
		29.3	58.5	87.8	117	175.5	234	263.3	292.5	351	390	≤30dBm
155	5775	20.44	20.29	20.12	19.74	19.34	19.17	18.95	18.74	18.50	18.00	

Channel 155



Product	DUAL BAND 3X3 802.11AC GIGABIT ROUTER		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/23	Test Site	SR7

IEEE 802.11ac 80MHz (ANT 0+1+2)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
155	5775	25.15	≤30

The worst emission of data rate is 29.3 Mbps

Peak Power Output (dBm)												
MCS Index		0	1	2	3	4	5	6	7	8	9	Required Limit
Channel No	Frequency (MHz)	Data Rate										
		29.3	58.5	87.8	117	175.5	234	263.3	292.5	351	390	≤30dBm
155	5775	25.15	24.96	24.73	24.35	24.02	23.73	23.44	23.23	22.92	22.42	

5. Peak Power Spectrum Density

5.1. Test Equipment

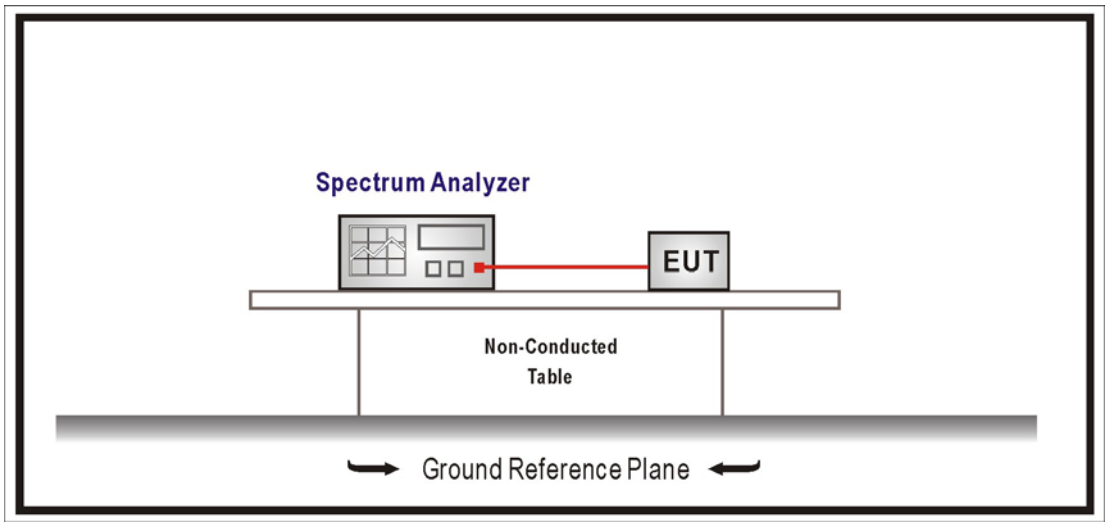
The following test equipments are used during the radiated emission tests:

Peak Power Spectrum Density / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2016/07/13

Note: All equipments 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. 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.
3. 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 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

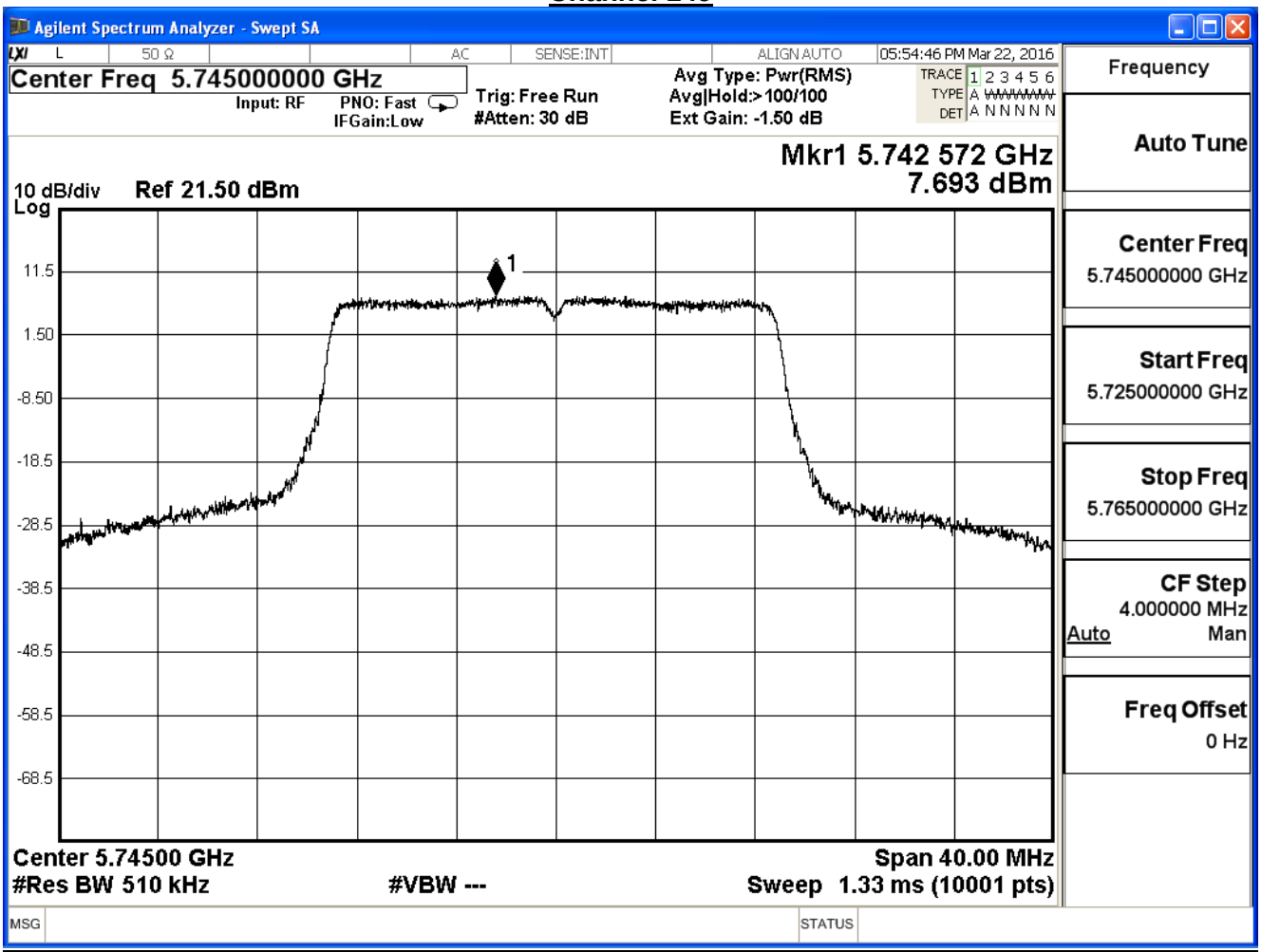
The measurement uncertainty is defined as ± 1.27 dB

5.6. Test Result

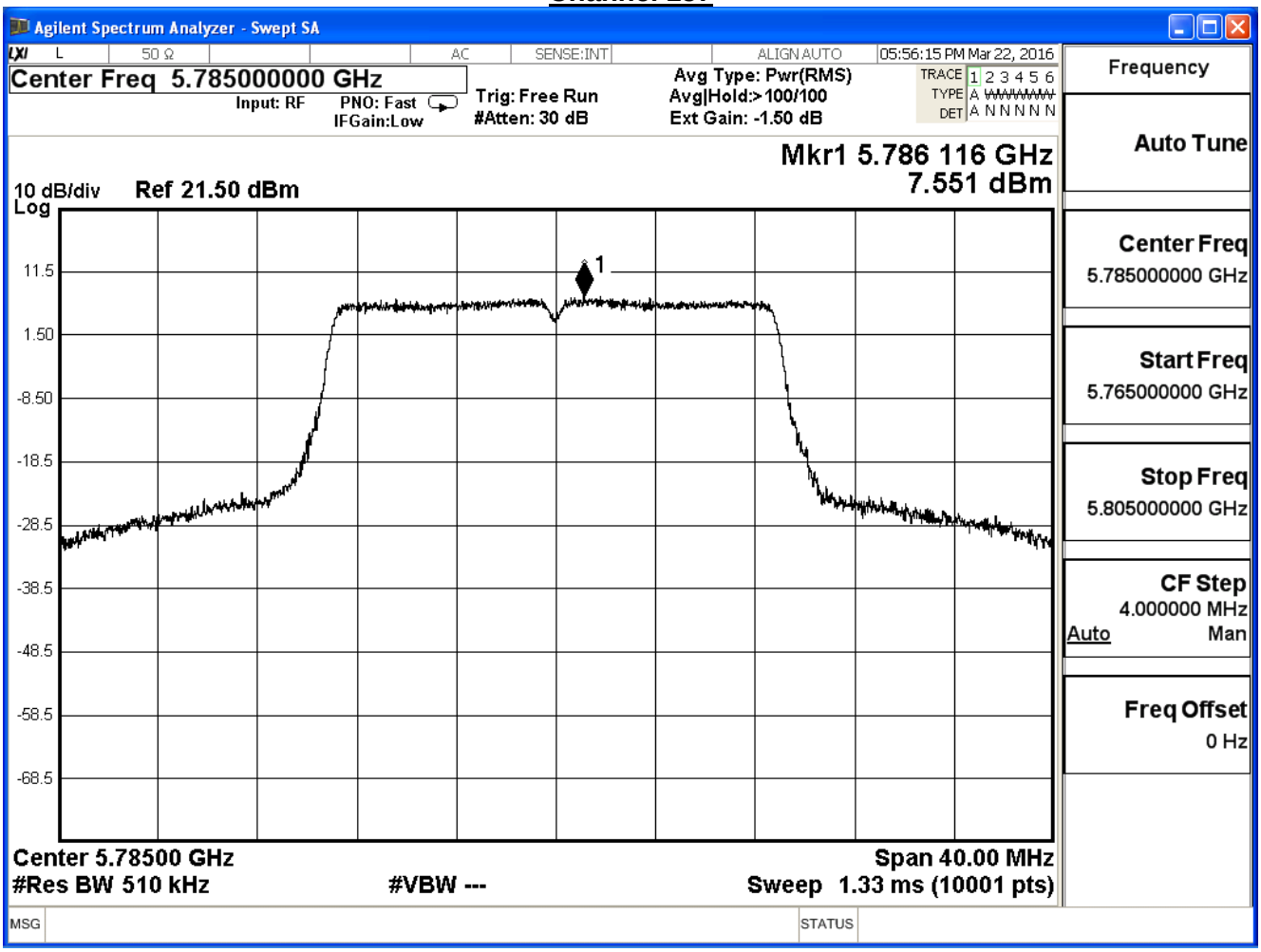
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Spectrum Density		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/22	Test Site	SR7

IEEE 802.11a (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)
149	5745	7.69	≦30
157	5785	7.55	≦30
165	5825	7.93	≦30

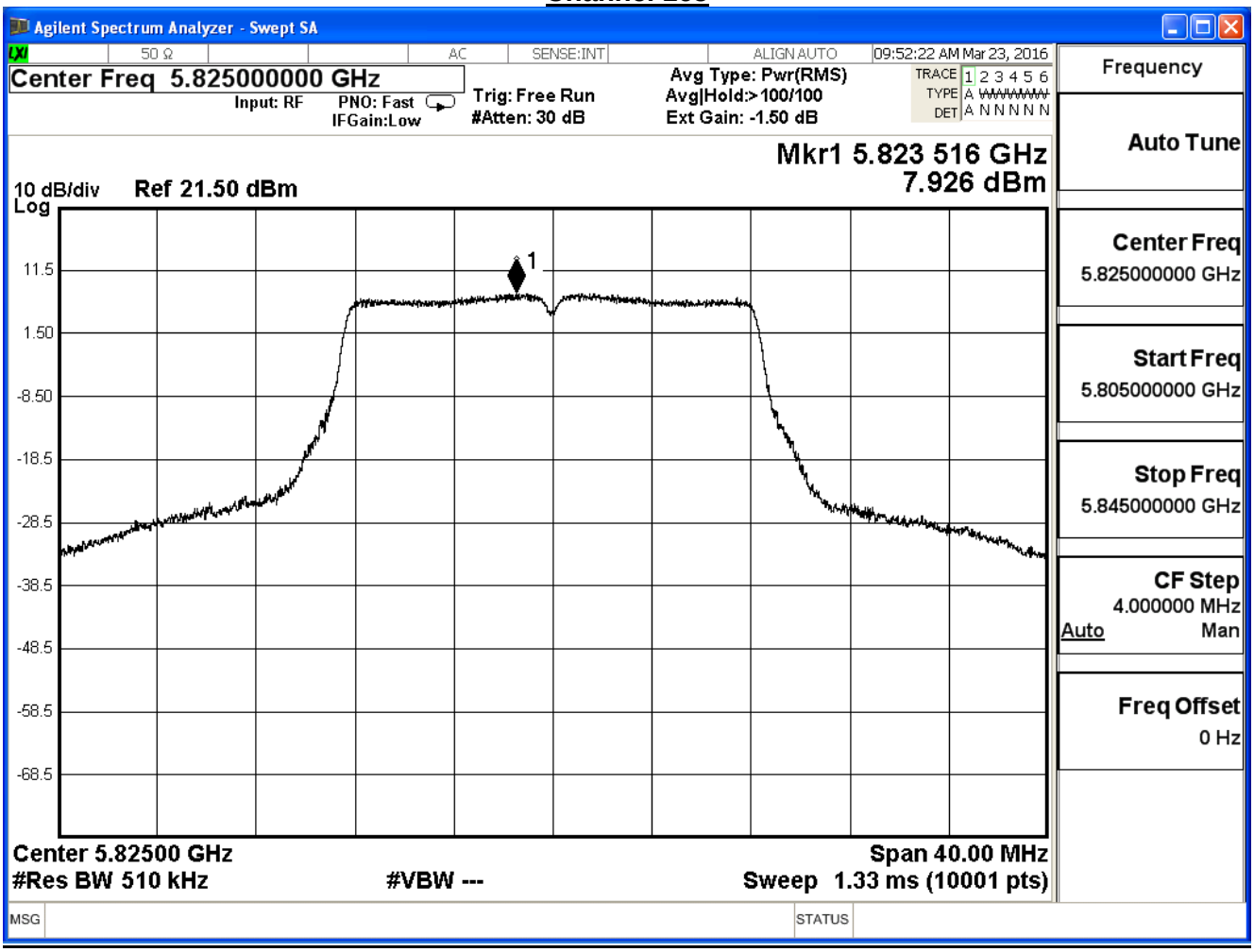
Channel 149



Channel 157


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.785000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ext Gain: -1.50 dB
05:56:15 PM Mar 22, 2016
Mkr1 5.786 116 GHz
7.551 dBm
10 dB/div
Log
Ref 21.50 dBm
11.5
1.50
-8.50
-18.5
-28.5
-38.5
-48.5
-58.5
-68.5
Center 5.78500 GHz
#Res BW 510 kHz
#VBW ---
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)
Frequency
Auto Tune
Center Freq
5.785000000 GHz
Start Freq
5.765000000 GHz
Stop Freq
5.805000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

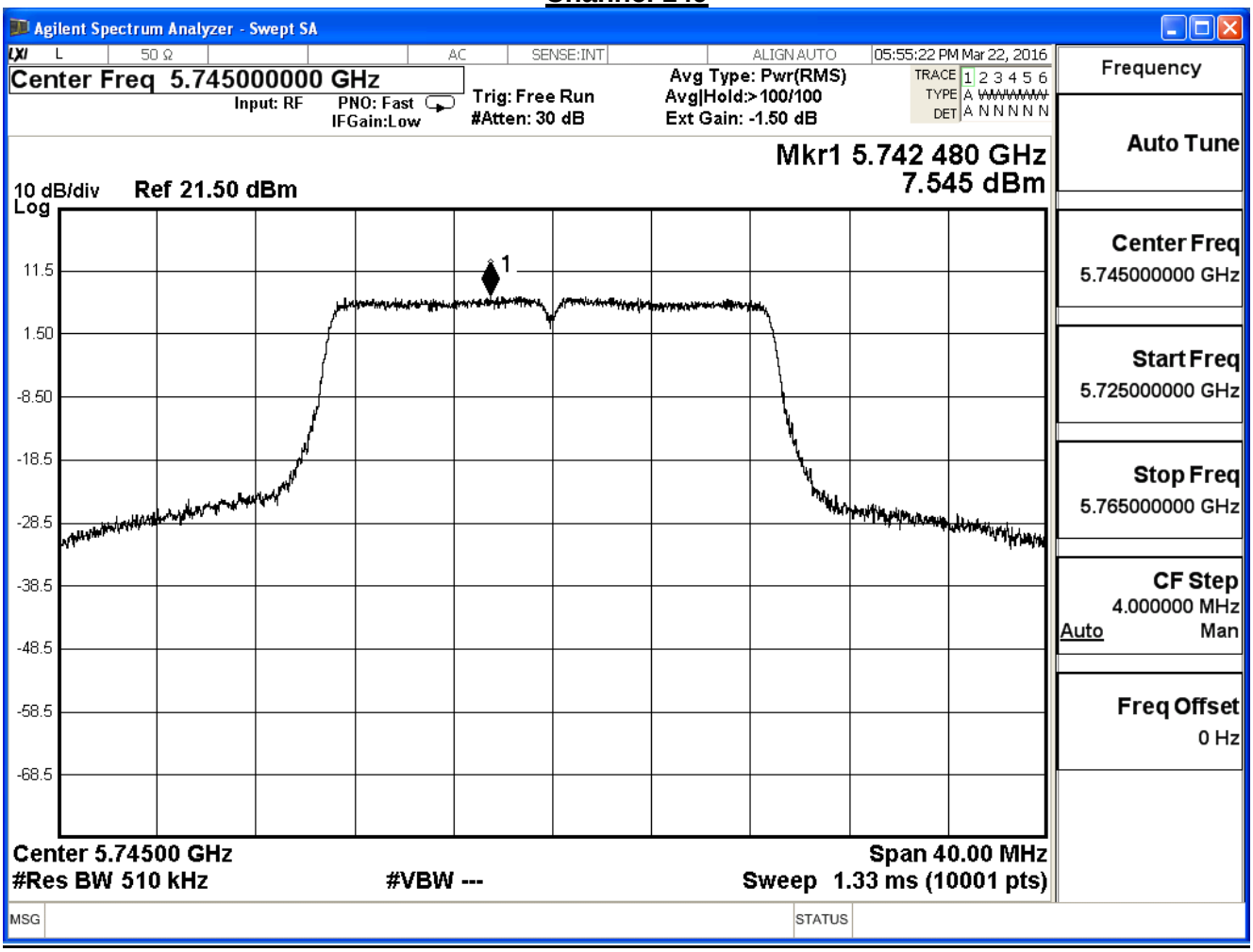
Channel 165


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:52:22 AM Mar 23, 2016
Center Freq 5.825000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ext Gain: -1.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 5.823 516 GHz
7.926 dBm
10 dB/div
Log
Ref 21.50 dBm
11.5
1.50
-8.50
-18.5
-28.5
-38.5
-48.5
-58.5
-68.5
1
Center 5.82500 GHz
#Res BW 510 kHz
#VBW ---
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
5.825000000 GHz
Start Freq
5.805000000 GHz
Stop Freq
5.845000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

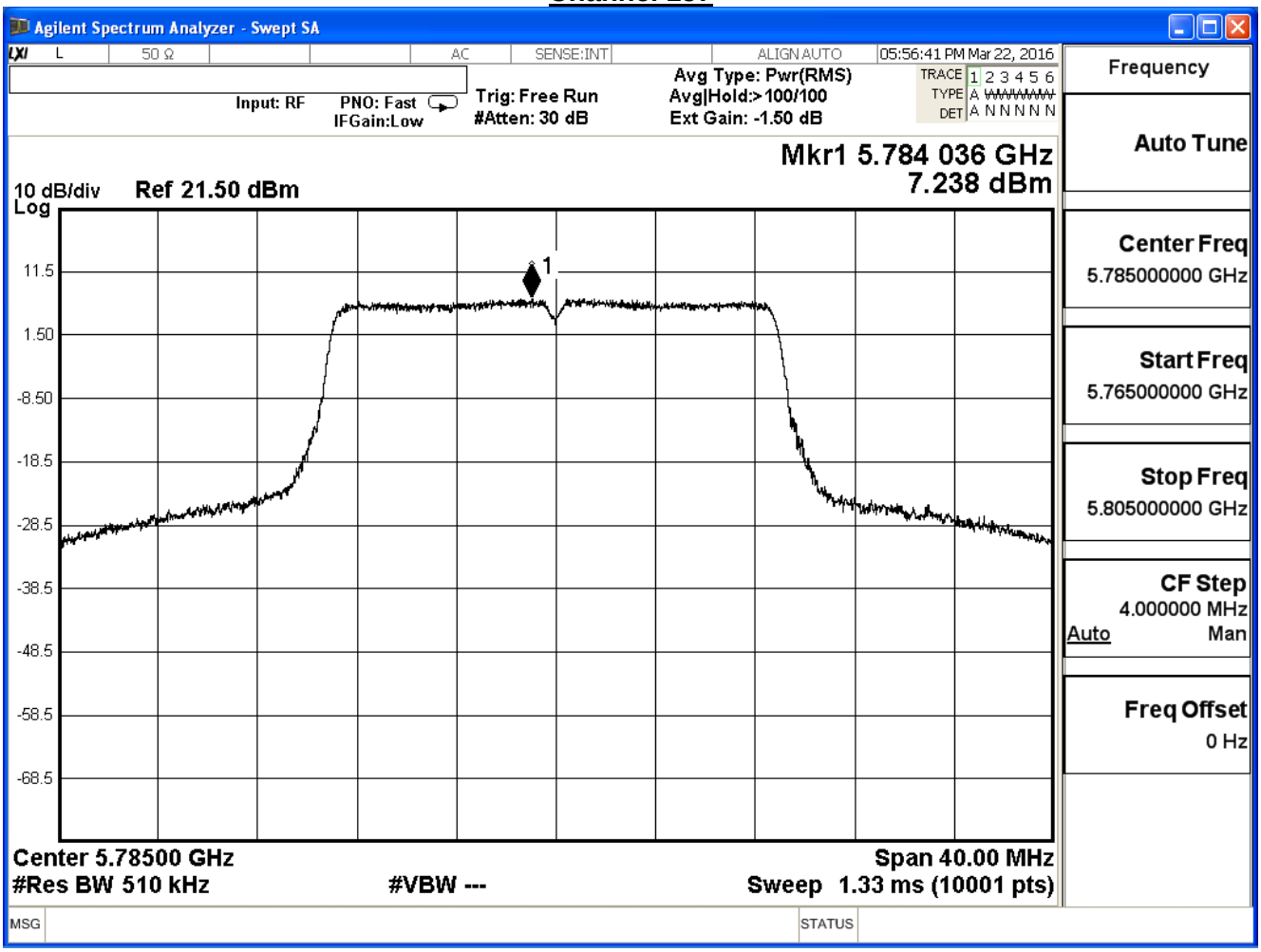
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Spectrum Density		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/22	Test Site	SR7

IEEE 802.11a (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)
149	5745	7.55	≦30
157	5785	7.24	≦30
165	5825	7.71	≦30

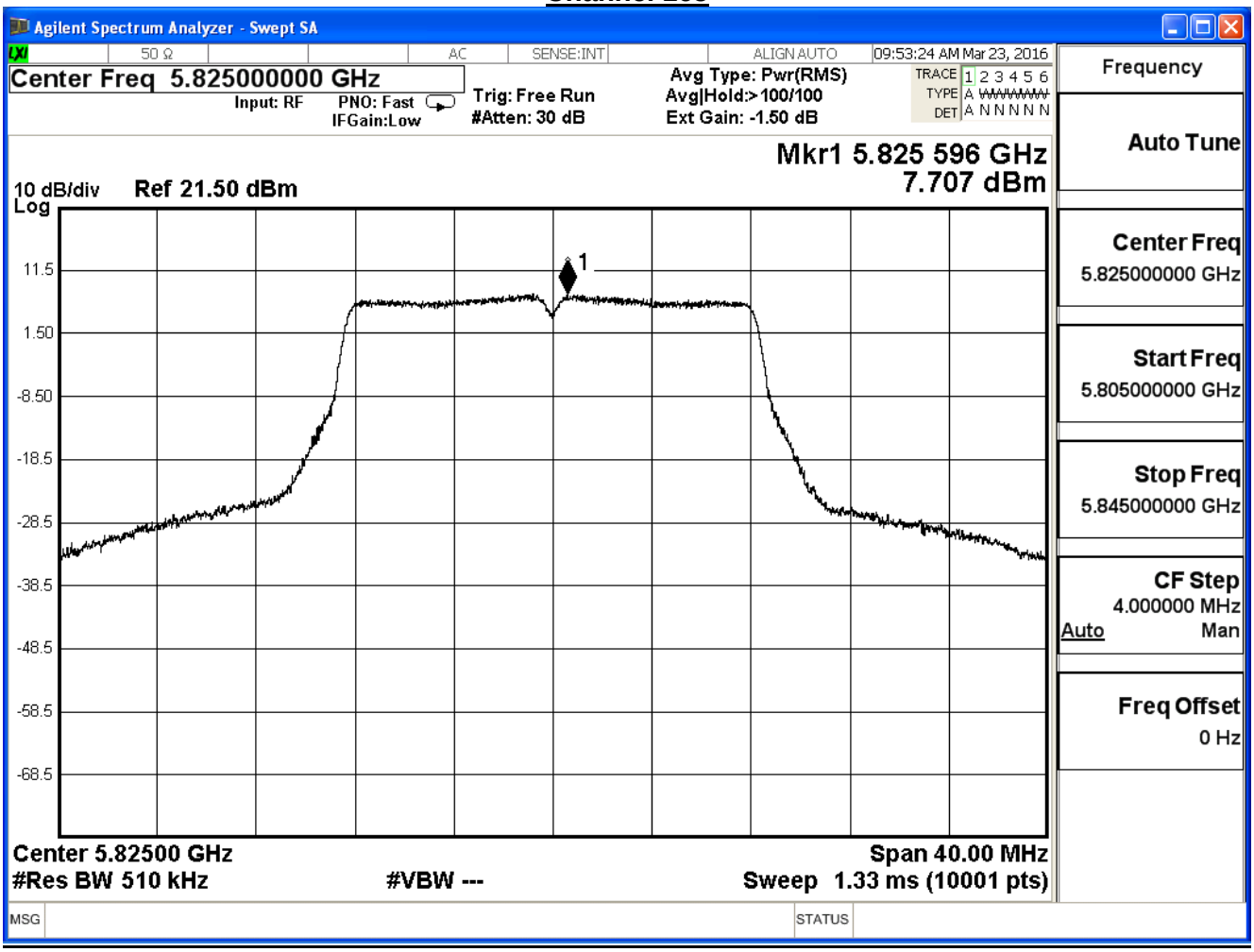
Channel 149



Channel 157


Agilent Spectrum Analyzer - Swept SA
LXI L
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:56:41 PM Mar 22, 2016
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ext Gain: -1.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 5.784 036 GHz
7.238 dBm
10 dB/div
Log
Ref 21.50 dBm
11.5
1.50
-8.50
-18.5
-28.5
-38.5
-48.5
-58.5
-68.5
Center 5.78500 GHz
#Res BW 510 kHz
#VBW ---
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
5.785000000 GHz
Start Freq
5.765000000 GHz
Stop Freq
5.805000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

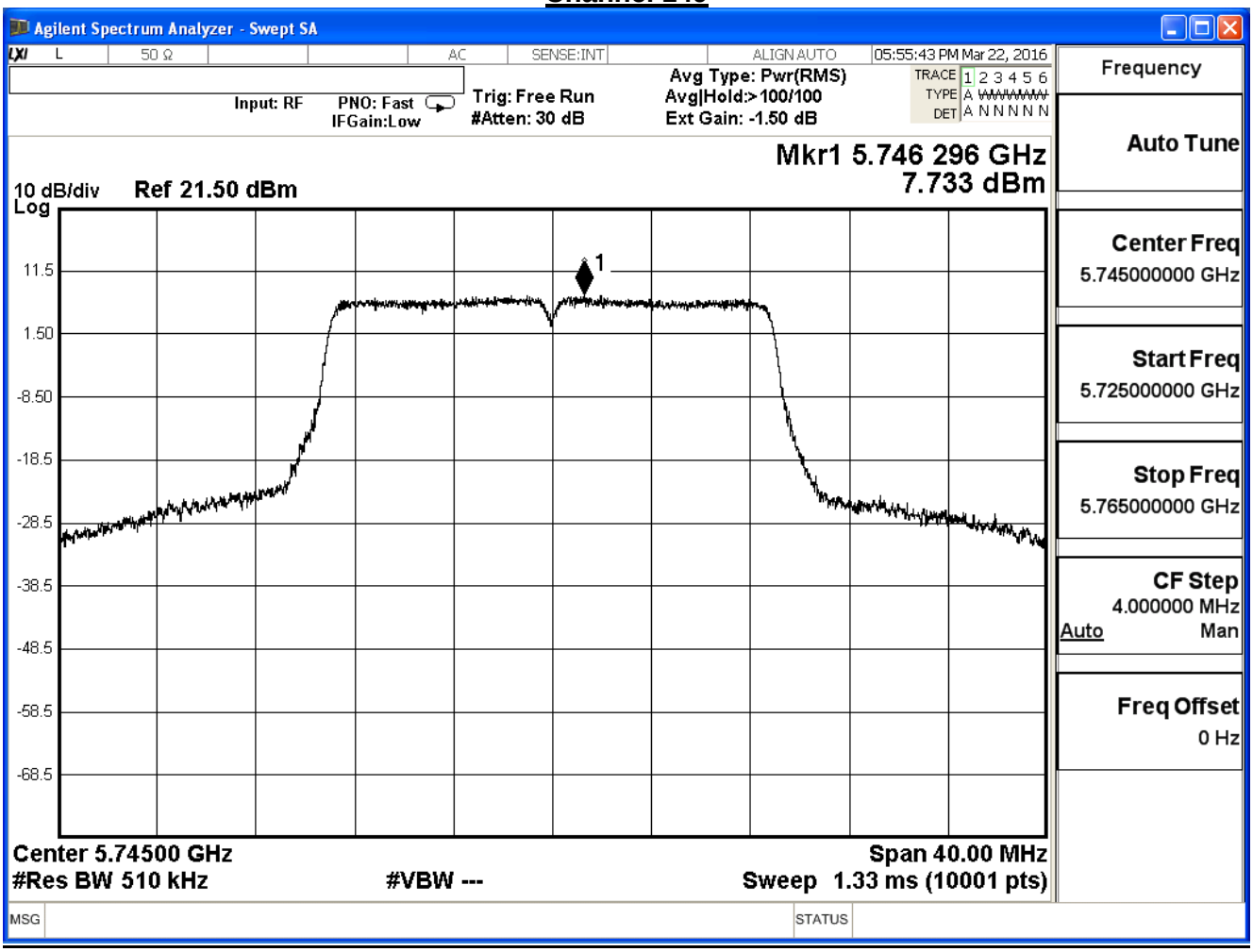
Channel 165


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:53:24 AM Mar 23, 2016
Center Freq 5.825000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ext Gain: -1.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 5.825 596 GHz
7.707 dBm
10 dB/div
Log
Ref 21.50 dBm
11.5
1.50
-8.50
-18.5
-28.5
-38.5
-48.5
-58.5
-68.5
1
Center 5.82500 GHz
#Res BW 510 kHz
#VBW ---
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
5.825000000 GHz
Start Freq
5.805000000 GHz
Stop Freq
5.845000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

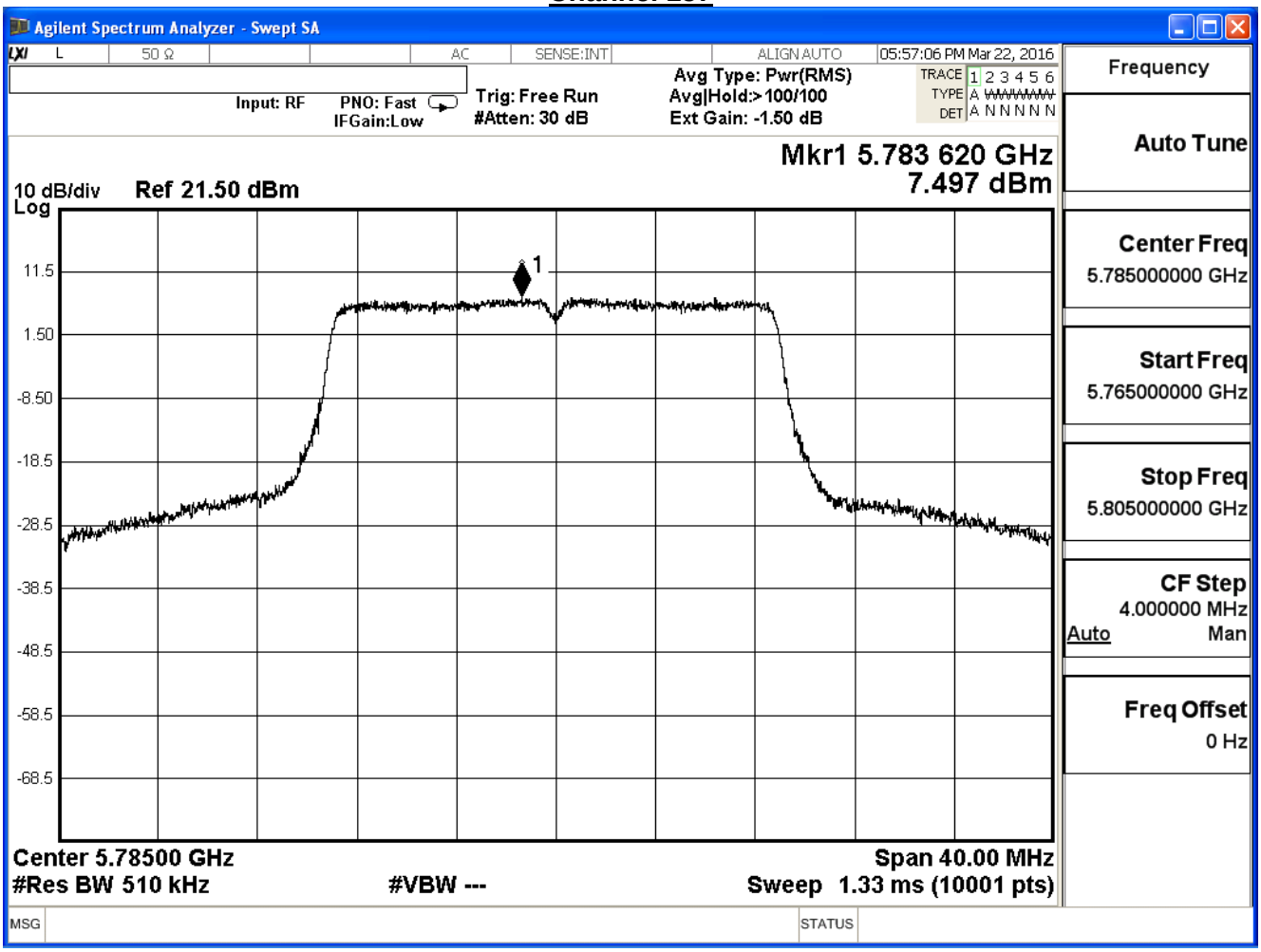
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Spectrum Density		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/22	Test Site	SR7

IEEE 802.11a (ANT 2)			
Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)
149	5745	7.73	≦30
157	5785	7.50	≦30
165	5825	7.62	≦30

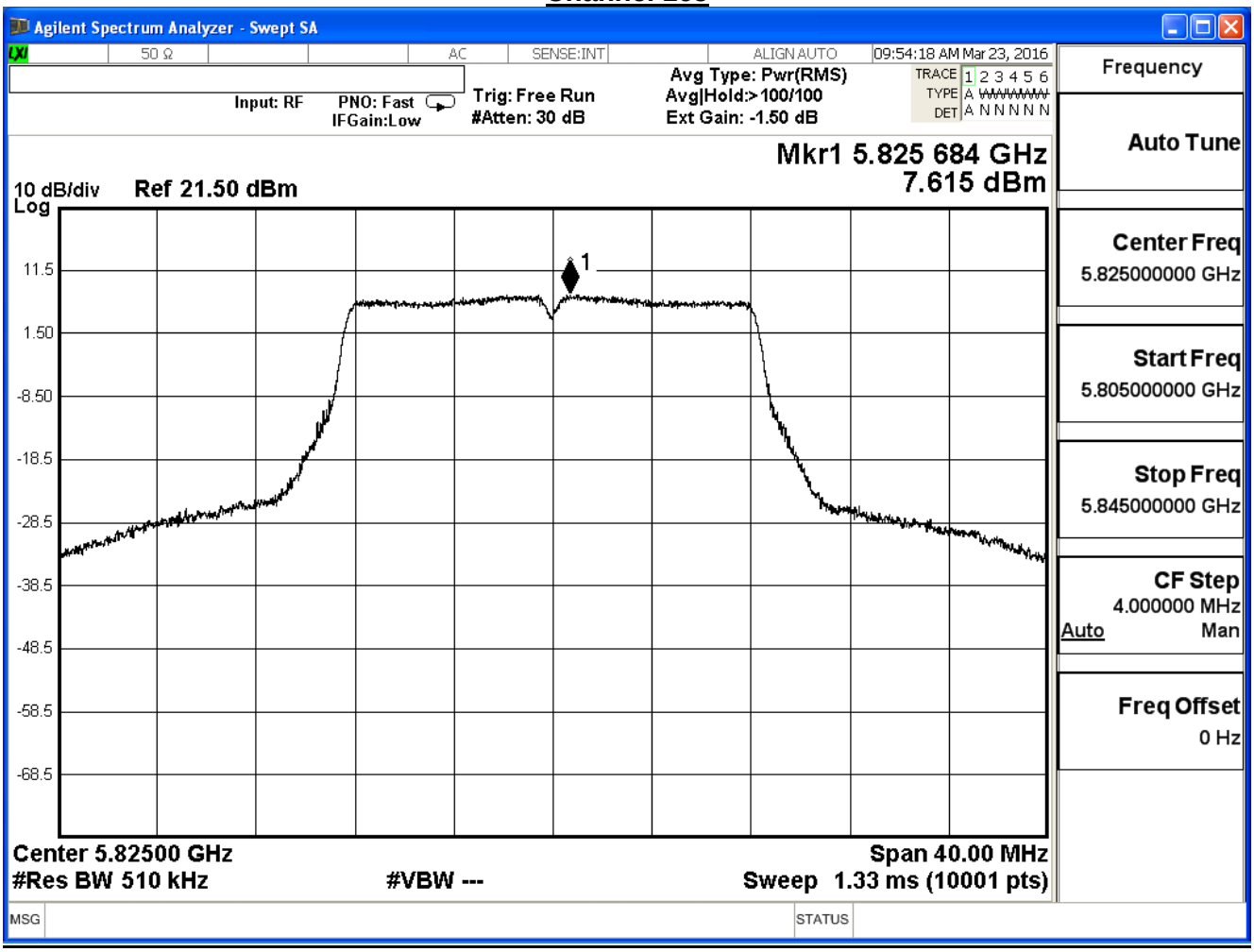
Channel 149



Channel 157


Agilent Spectrum Analyzer - Swept SA
LXI L
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:57:06 PM Mar 22, 2016
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ext Gain: -1.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 5.783 620 GHz
7.497 dBm
10 dB/div
Log
Ref 21.50 dBm
11.5
1.50
-8.50
-18.5
-28.5
-38.5
-48.5
-58.5
-68.5
1
Center 5.78500 GHz
#Res BW 510 kHz
#VBW ---
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
5.785000000 GHz
Start Freq
5.765000000 GHz
Stop Freq
5.805000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 165


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:54:18 AM Mar 23, 2016
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ext Gain: -1.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 5.825 684 GHz
7.615 dBm
10 dB/div
Log
Ref 21.50 dBm
11.5
1.50
-8.50
-18.5
-28.5
-38.5
-48.5
-58.5
-68.5
1
Center 5.82500 GHz
#Res BW 510 kHz
#VBW ---
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
5.825000000 GHz
Start Freq
5.805000000 GHz
Stop Freq
5.845000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

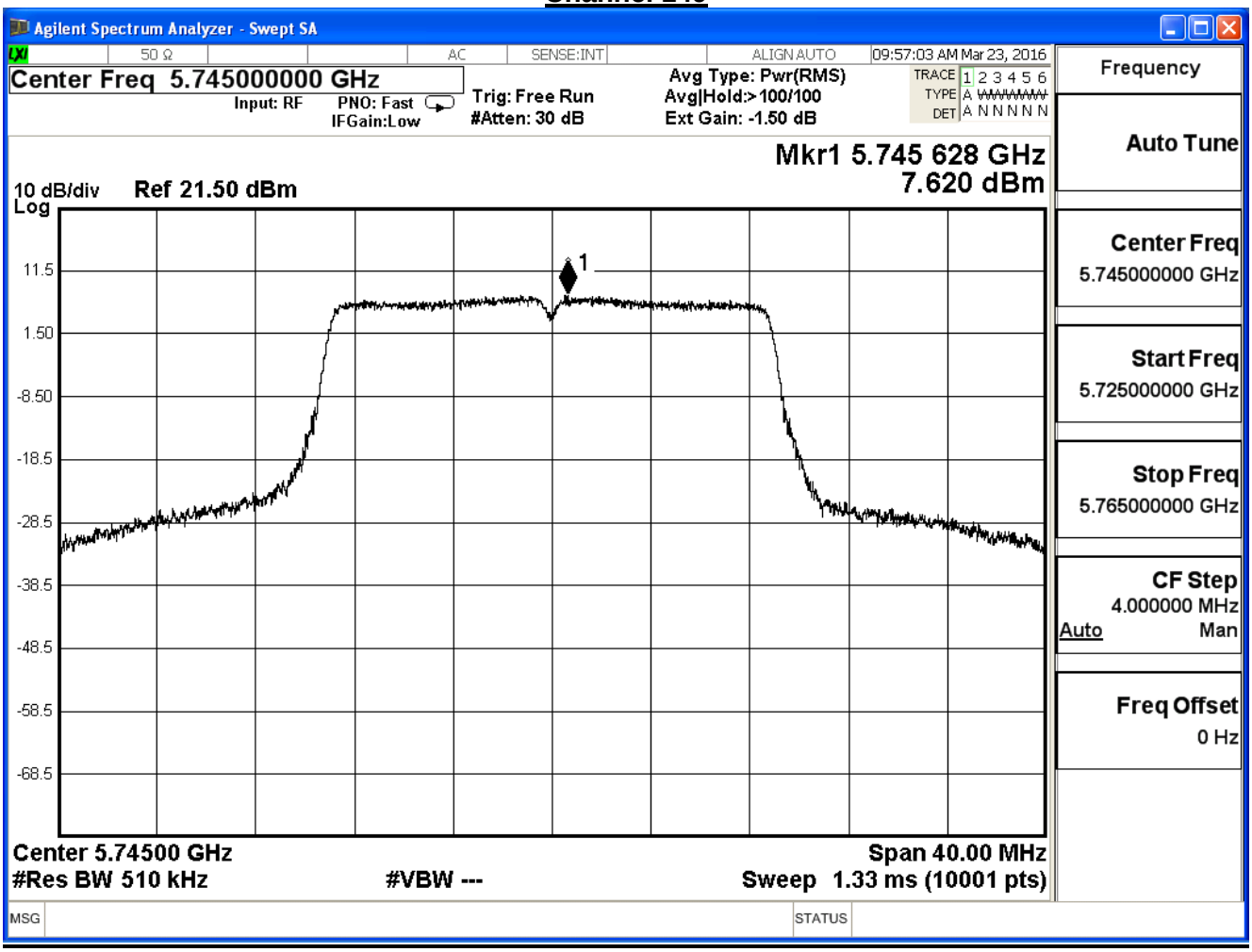
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Spectrum Density		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/22	Test Site	SR7

IEEE 802.11a (ANT 0+1+2)			
Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)
149	5745	12.43	≦30
157	5785	12.20	≦30
165	5825	12.52	≦30

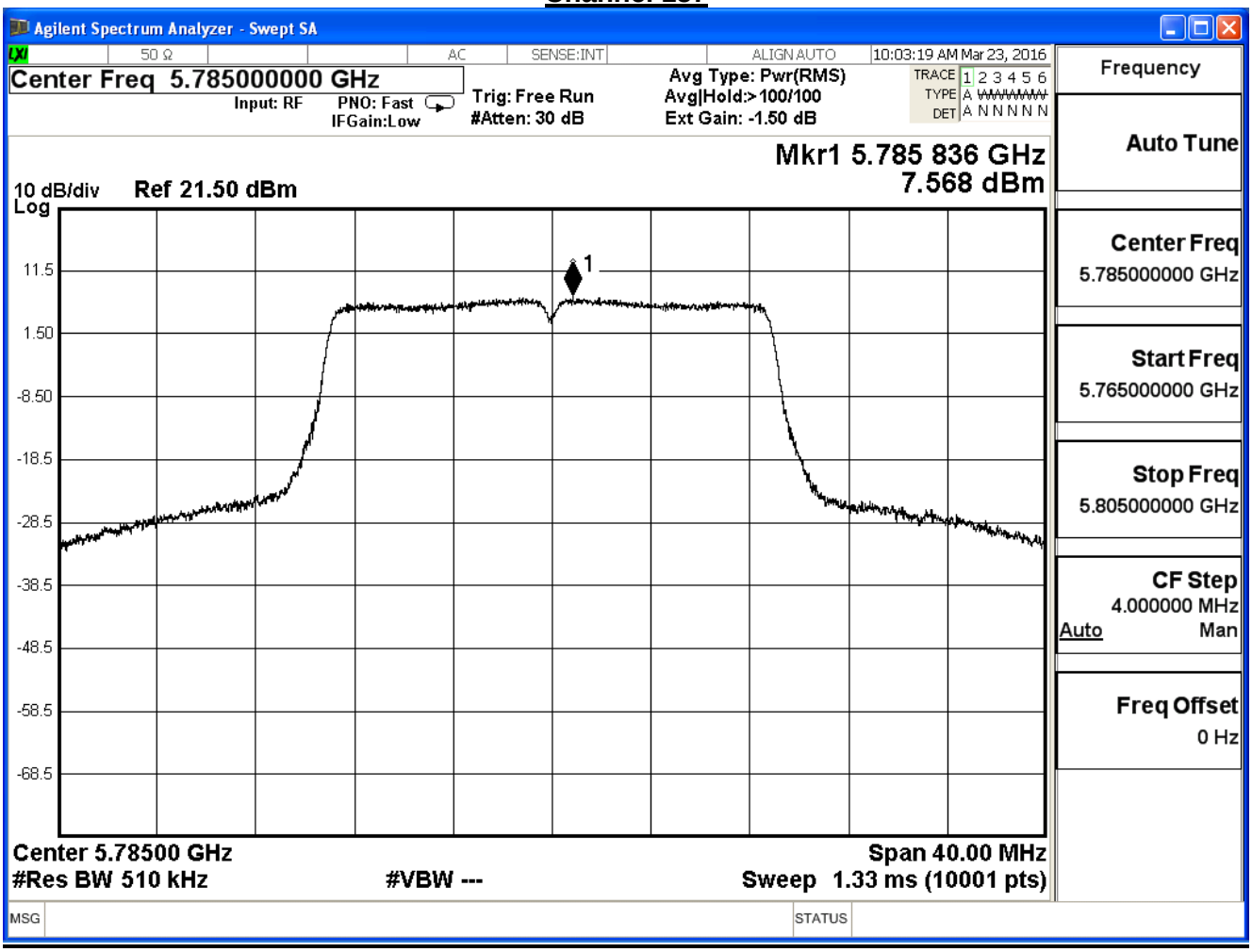
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Spectrum Density		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/23	Test Site	SR7

IEEE802.11n_20MHz_(ANT 0)			
Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)
149	5745	7.62	≦30
157	5785	7.57	≦30
165	5825	7.50	≦30

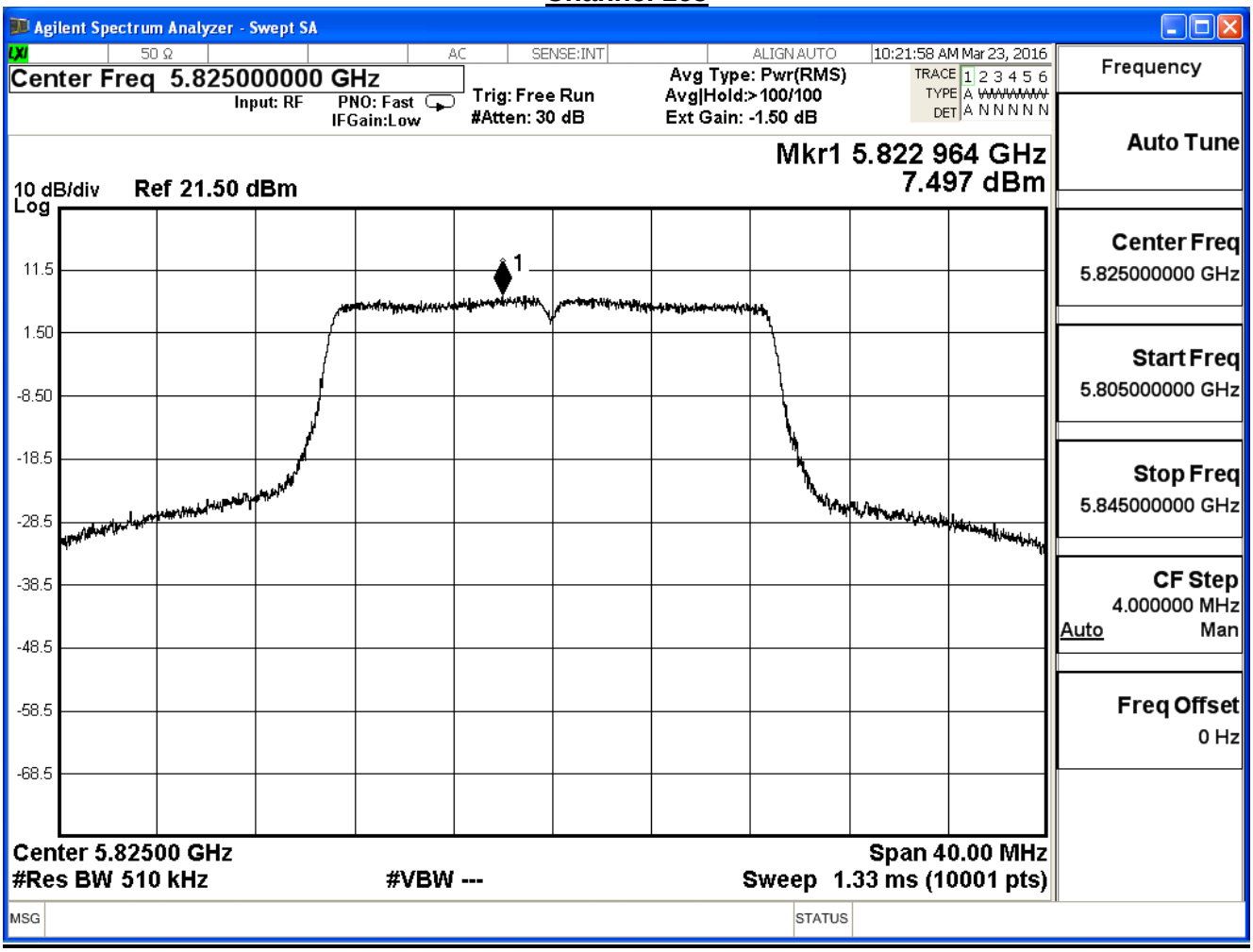
Channel 149



Channel 157


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:03:19 AM Mar 23, 2016
Center Freq 5.785000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ext Gain: -1.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 5.785 836 GHz
7.568 dBm
10 dB/div
Log
Ref 21.50 dBm
11.5
1.50
-8.50
-18.5
-28.5
-38.5
-48.5
-58.5
-68.5
1
Center 5.78500 GHz
#Res BW 510 kHz
#VBW ---
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
5.785000000 GHz
Start Freq
5.765000000 GHz
Stop Freq
5.805000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

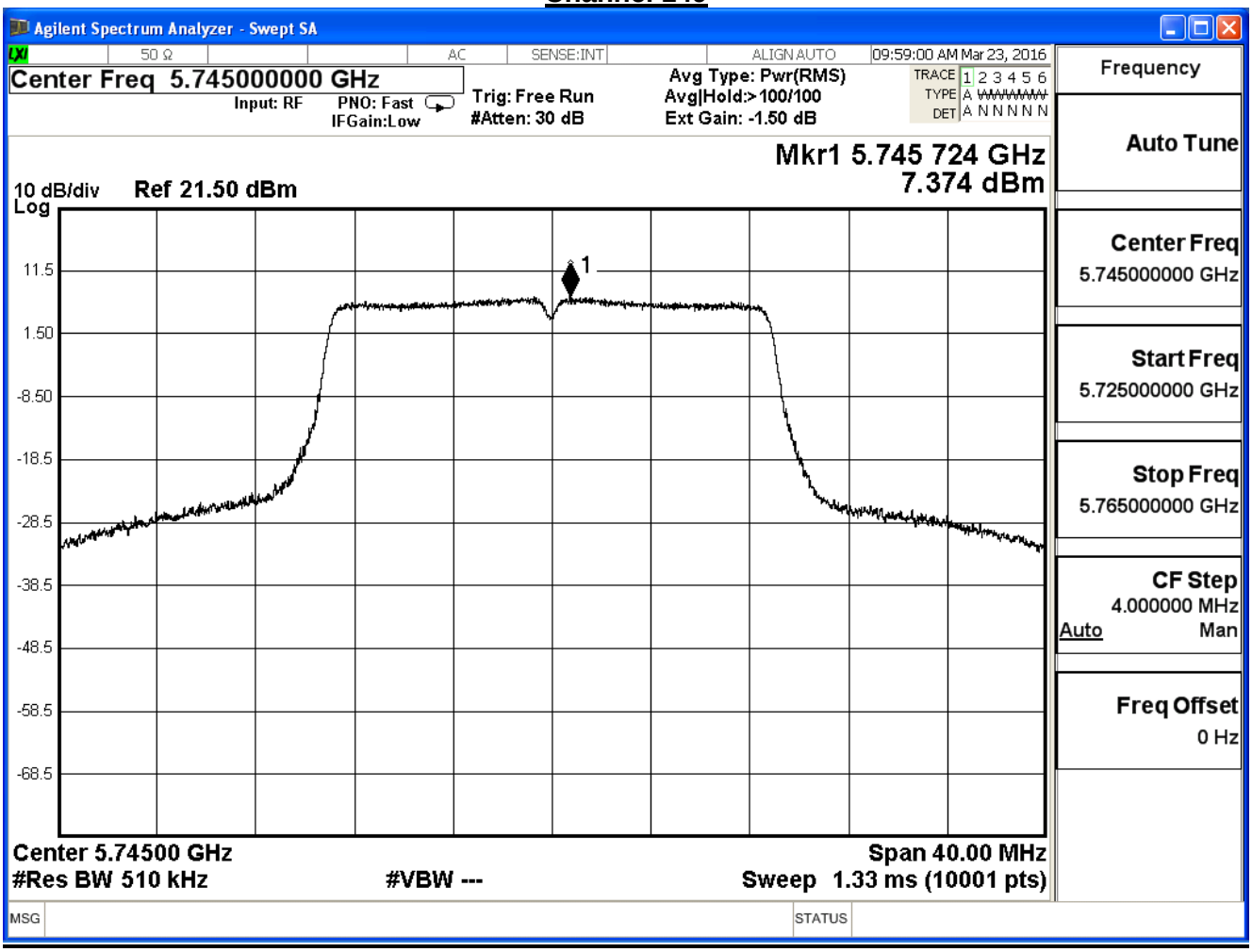
Channel 165


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:21:58 AM Mar 23, 2016
Center Freq 5.825000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ext Gain: -1.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 5.822 964 GHz
7.497 dBm
10 dB/div
Log
Ref 21.50 dBm
11.5
1.50
-8.50
-18.5
-28.5
-38.5
-48.5
-58.5
-68.5
Center 5.82500 GHz
#Res BW 510 kHz
#VBW ---
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
5.825000000 GHz
Start Freq
5.805000000 GHz
Stop Freq
5.845000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

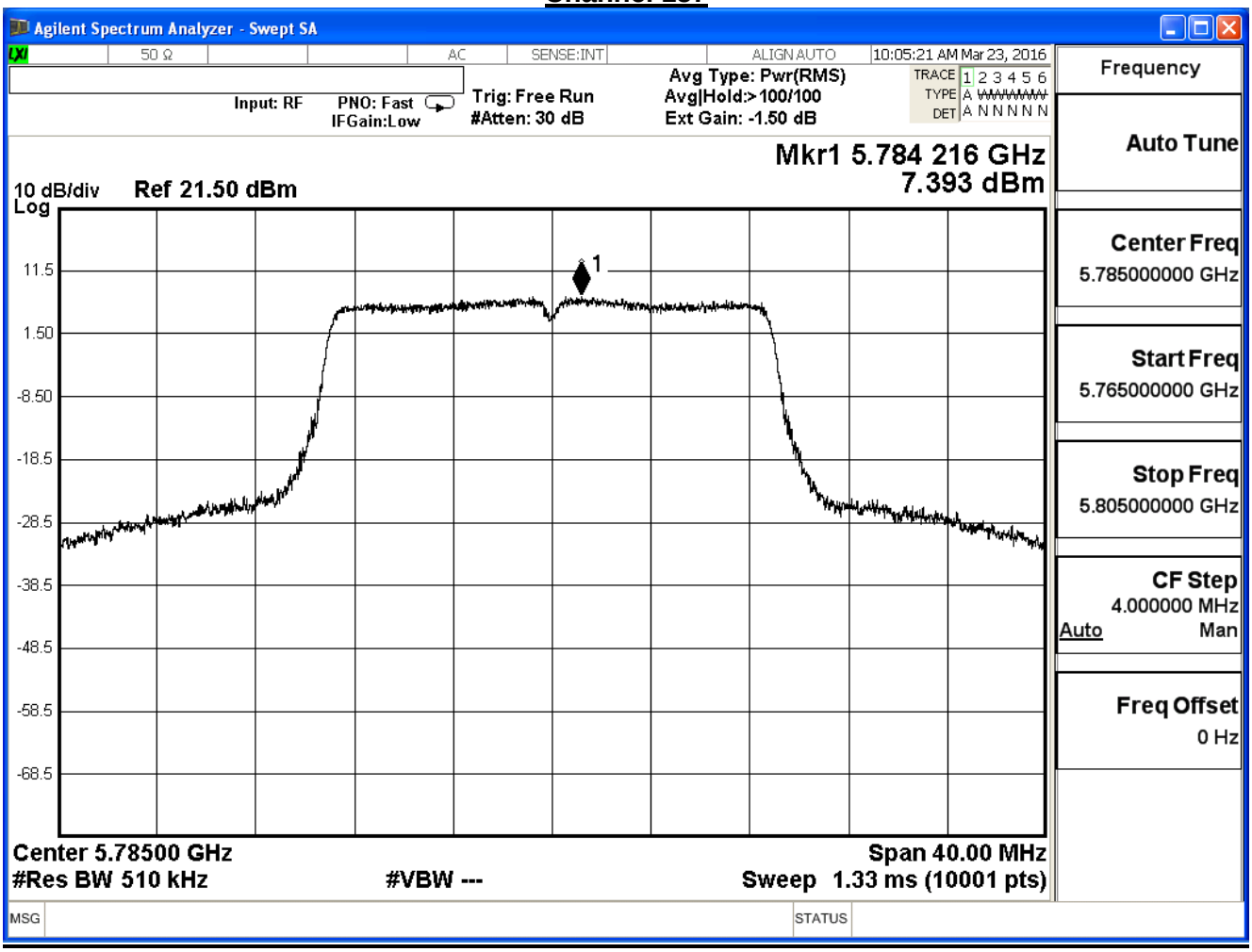
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Spectrum Density		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/23	Test Site	SR7

IEEE802.11n_20MHz_(ANT 1)			
Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)
149	5745	7.37	≦30
157	5785	7.39	≦30
165	5825	7.70	≦30

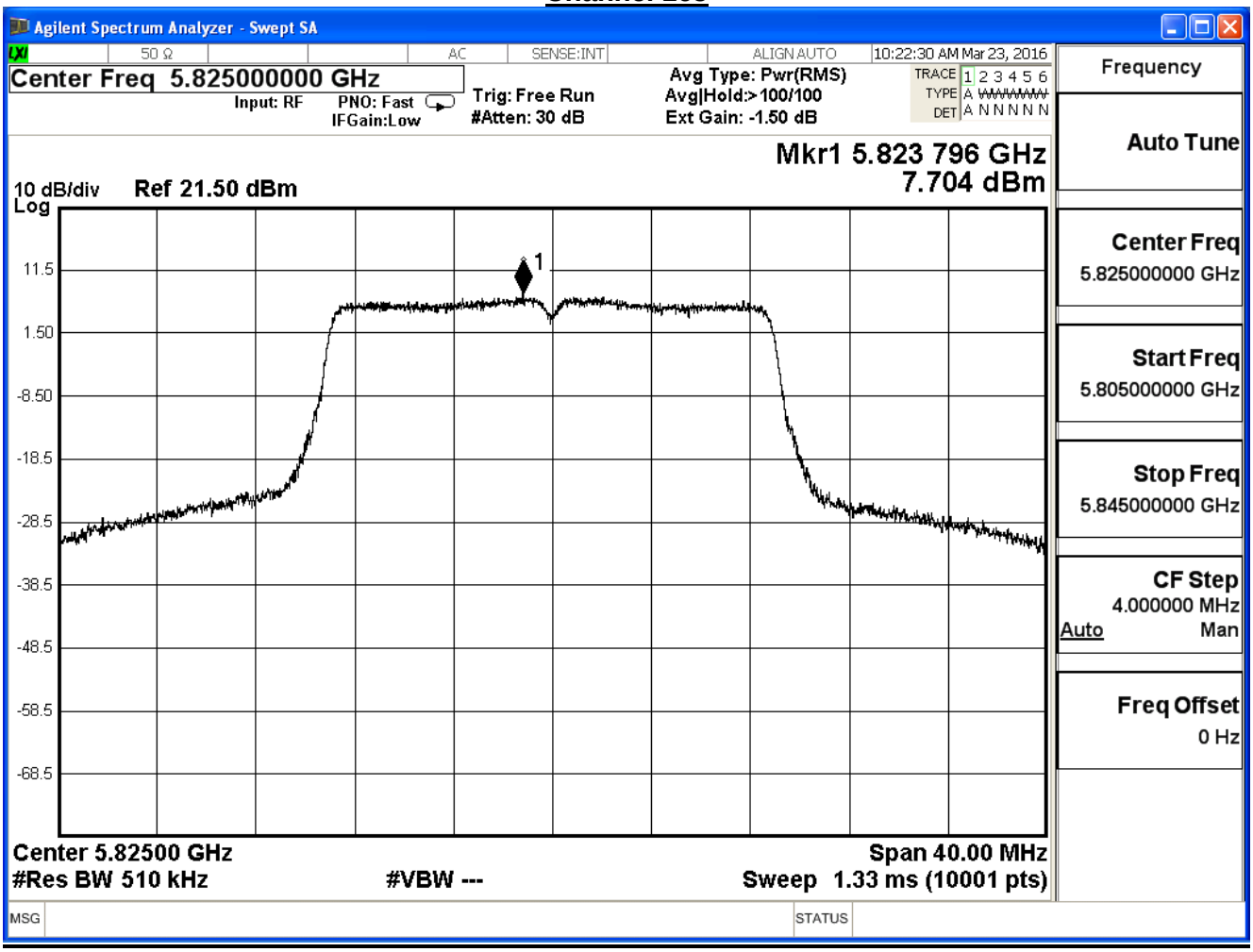
Channel 149



Channel 157


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:05:21 AM Mar 23, 2016
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ext Gain: -1.50 dB
TRACE 1 2 3 4 5 6
TYPE A
DET A N N N N N
Mkr1 5.784 216 GHz
7.393 dBm
10 dB/div
Log
Ref 21.50 dBm
11.5
1.50
-8.50
-18.5
-28.5
-38.5
-48.5
-58.5
-68.5
Center 5.78500 GHz
#Res BW 510 kHz
#VBW ---
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)
Frequency
Auto Tune
Center Freq
5.785000000 GHz
Start Freq
5.765000000 GHz
Stop Freq
5.805000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

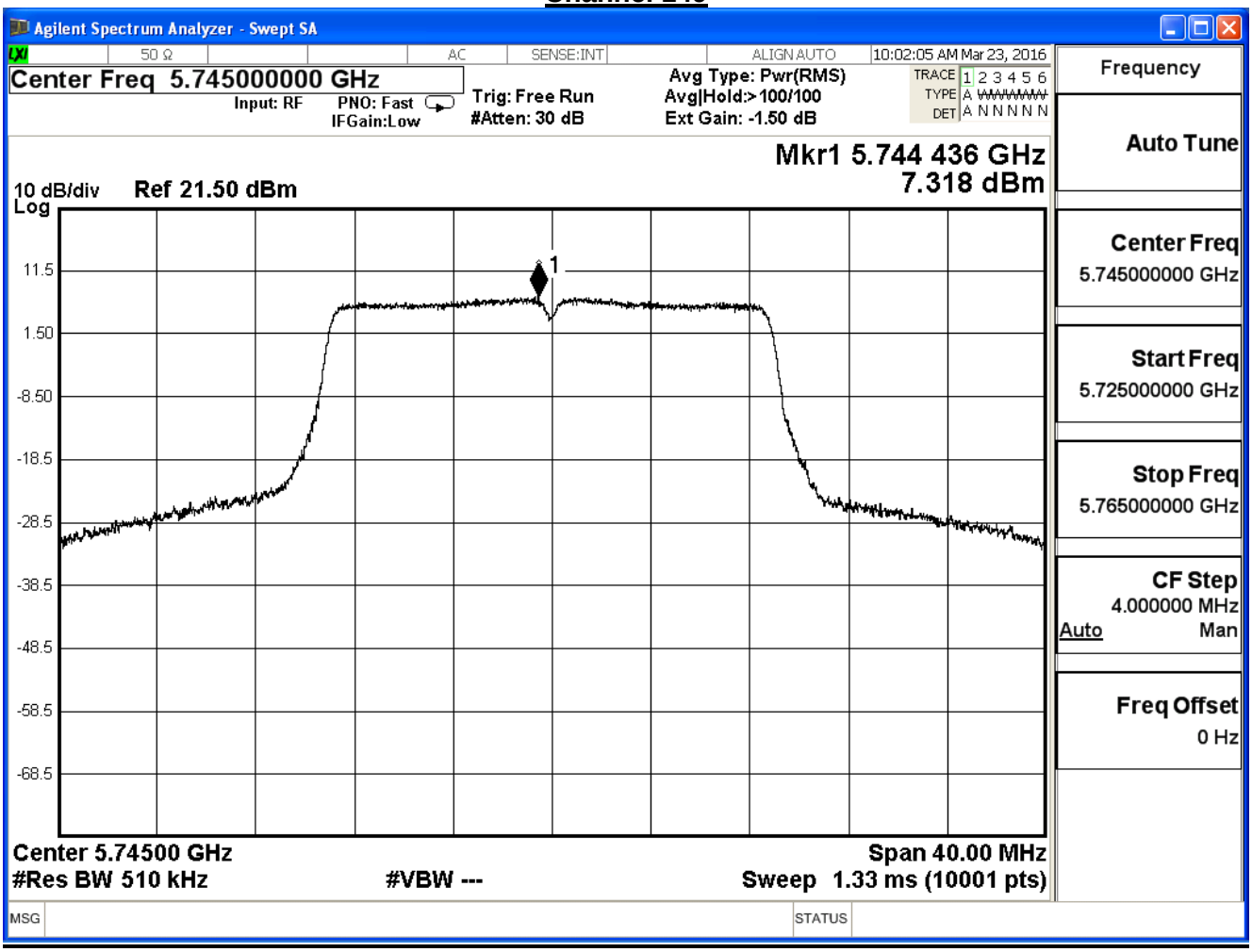
Channel 165


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:22:30 AM Mar 23, 2016
Center Freq 5.825000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ext Gain: -1.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 5.823 796 GHz
7.704 dBm
10 dB/div
Log
Ref 21.50 dBm
11.5
1.50
-8.50
-18.5
-28.5
-38.5
-48.5
-58.5
-68.5
Center 5.82500 GHz
#Res BW 510 kHz
#VBW ---
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
5.825000000 GHz
Start Freq
5.805000000 GHz
Stop Freq
5.845000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

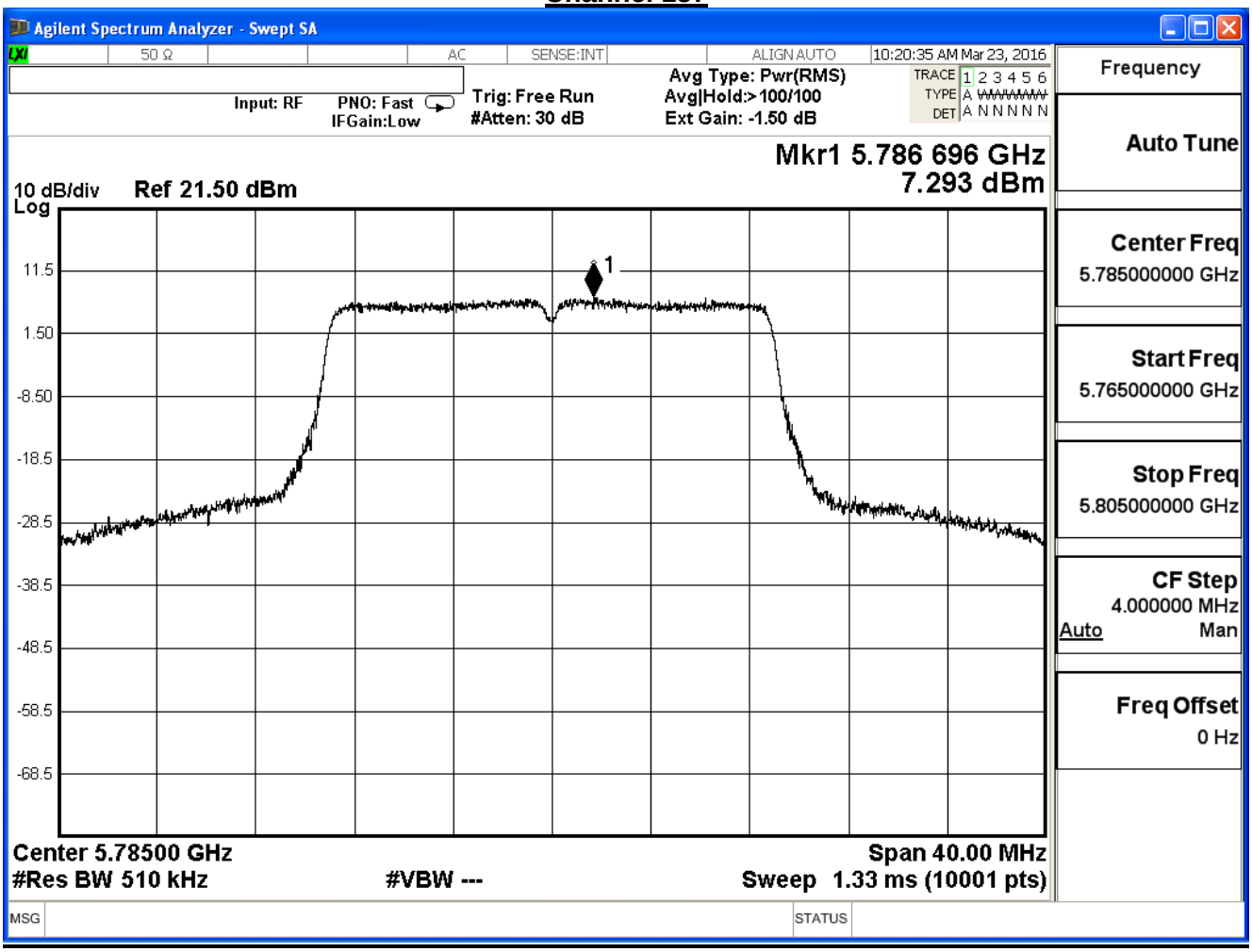
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Spectrum Density		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/23	Test Site	SR7

IEEE802.11n_20MHz_(ANT 2)			
Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)
149	5745	7.32	≦30
157	5785	7.29	≦30
165	5825	7.47	≦30

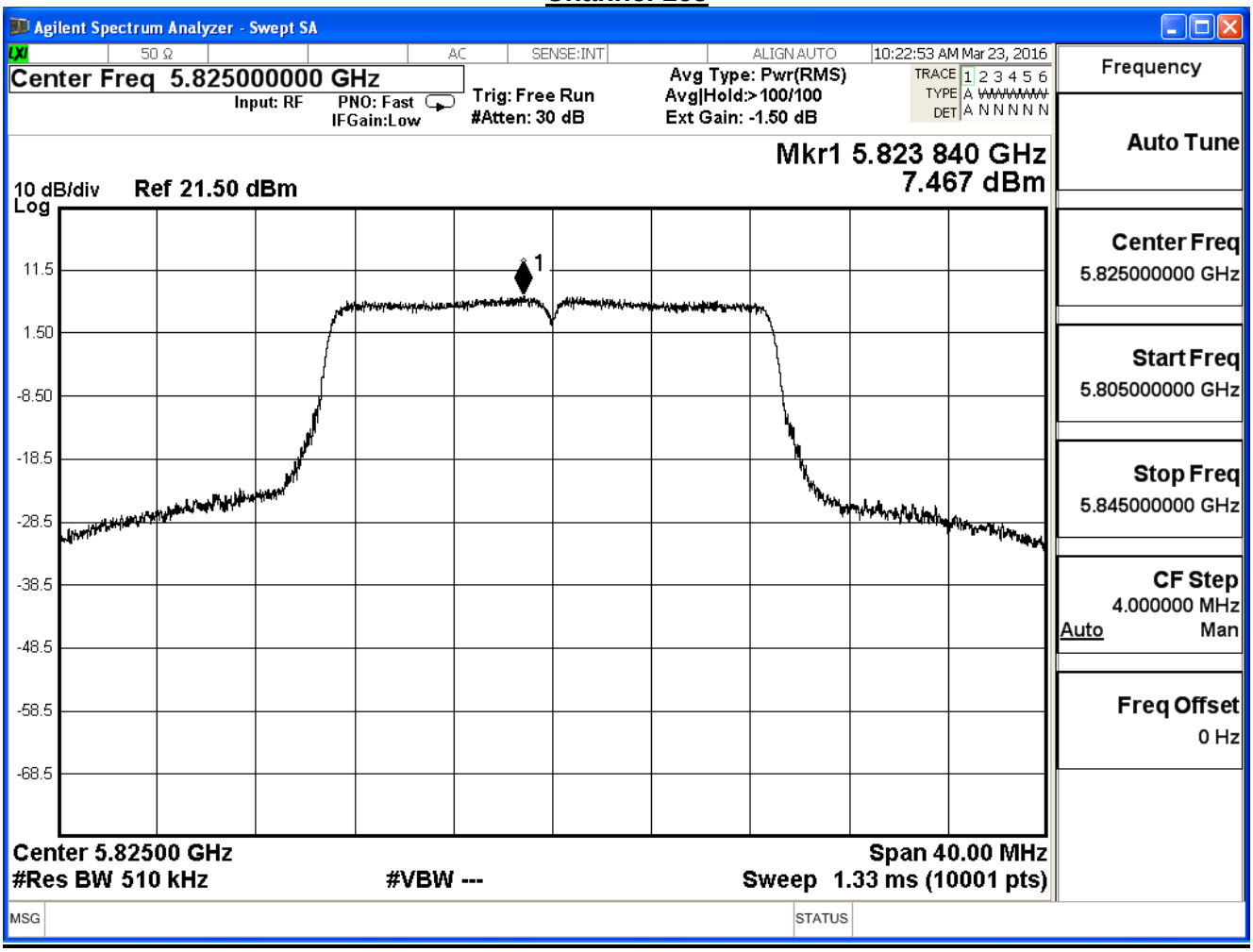
Channel 149



Channel 157


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:20:35 AM Mar 23, 2016
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ext Gain: -1.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 5.786 696 GHz
7.293 dBm
10 dB/div
Log
Ref 21.50 dBm
11.5
1.50
-8.50
-18.5
-28.5
-38.5
-48.5
-58.5
-68.5
1
Center 5.78500 GHz
#Res BW 510 kHz
#VBW ---
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
5.785000000 GHz
Start Freq
5.765000000 GHz
Stop Freq
5.805000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 165


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:22:53 AM Mar 23, 2016
Center Freq 5.825000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ext Gain: -1.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 5.823 840 GHz
7.467 dBm
10 dB/div
Log
Ref 21.50 dBm
11.5
1.50
-8.50
-18.5
-28.5
-38.5
-48.5
-58.5
-68.5
1
Center 5.82500 GHz
#Res BW 510 kHz
#VBW ---
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
5.825000000 GHz
Start Freq
5.805000000 GHz
Stop Freq
5.845000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Spectrum Density		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/23	Test Site	SR7

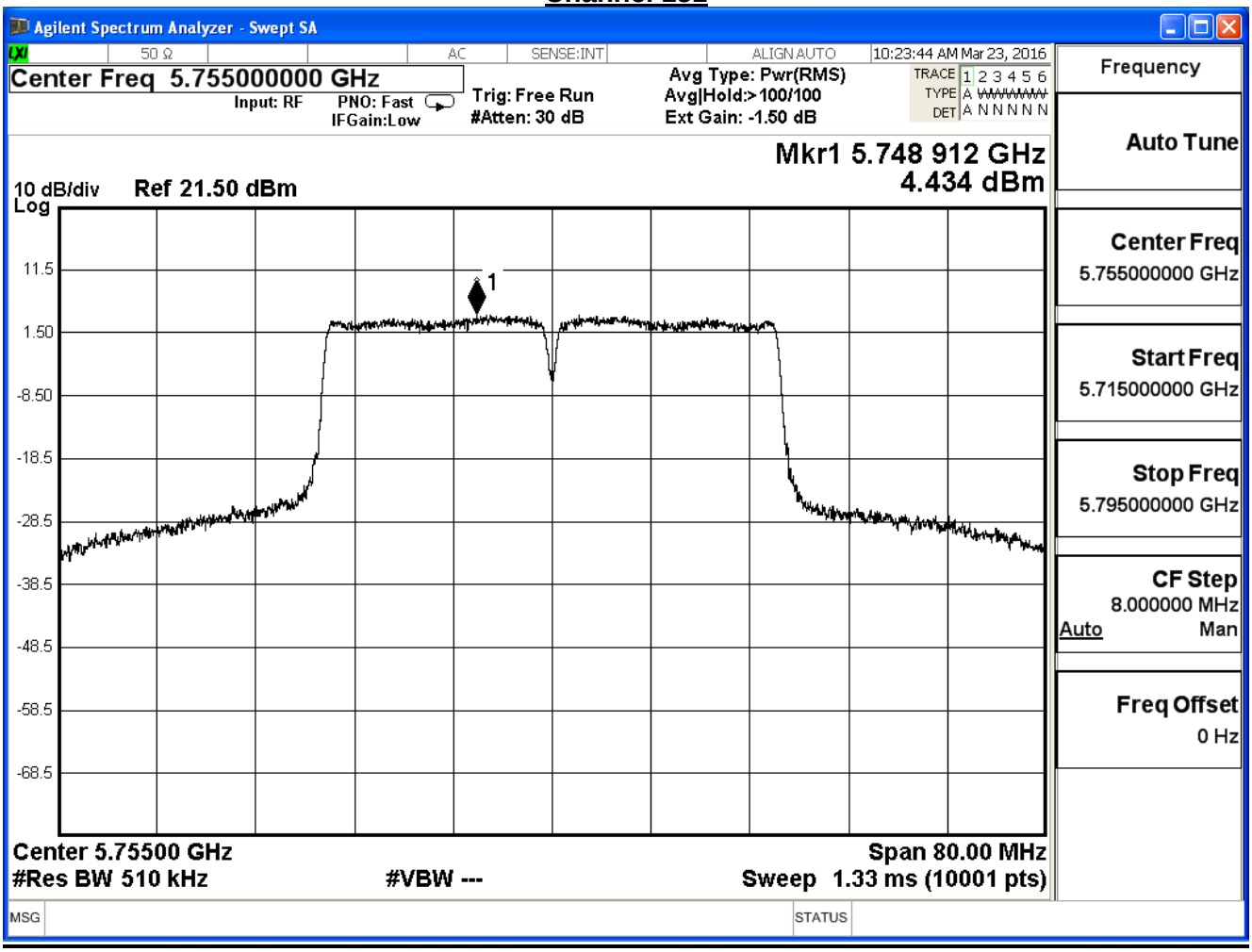
IEEE802.11n 20MHz(ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)
149	5745	12.21	≦30
157	5785	12.19	≦30
165	5825	12.33	≦30

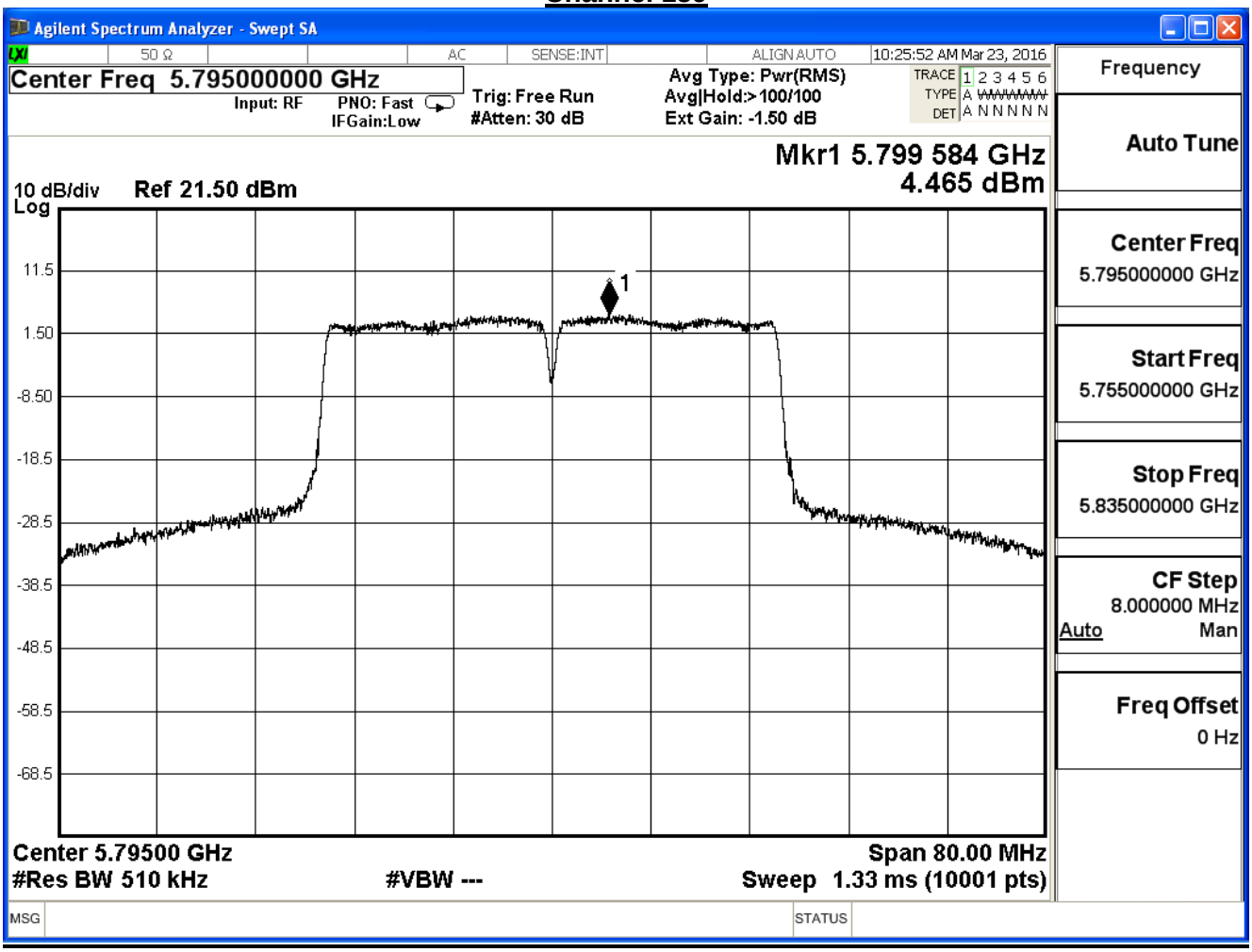
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Spectrum Density		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/23	Test Site	SR7

IEEE 802.11n_40MHz (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)
151	5755	4.43	≦30
159	5795	4.47	≦30

Channel 151



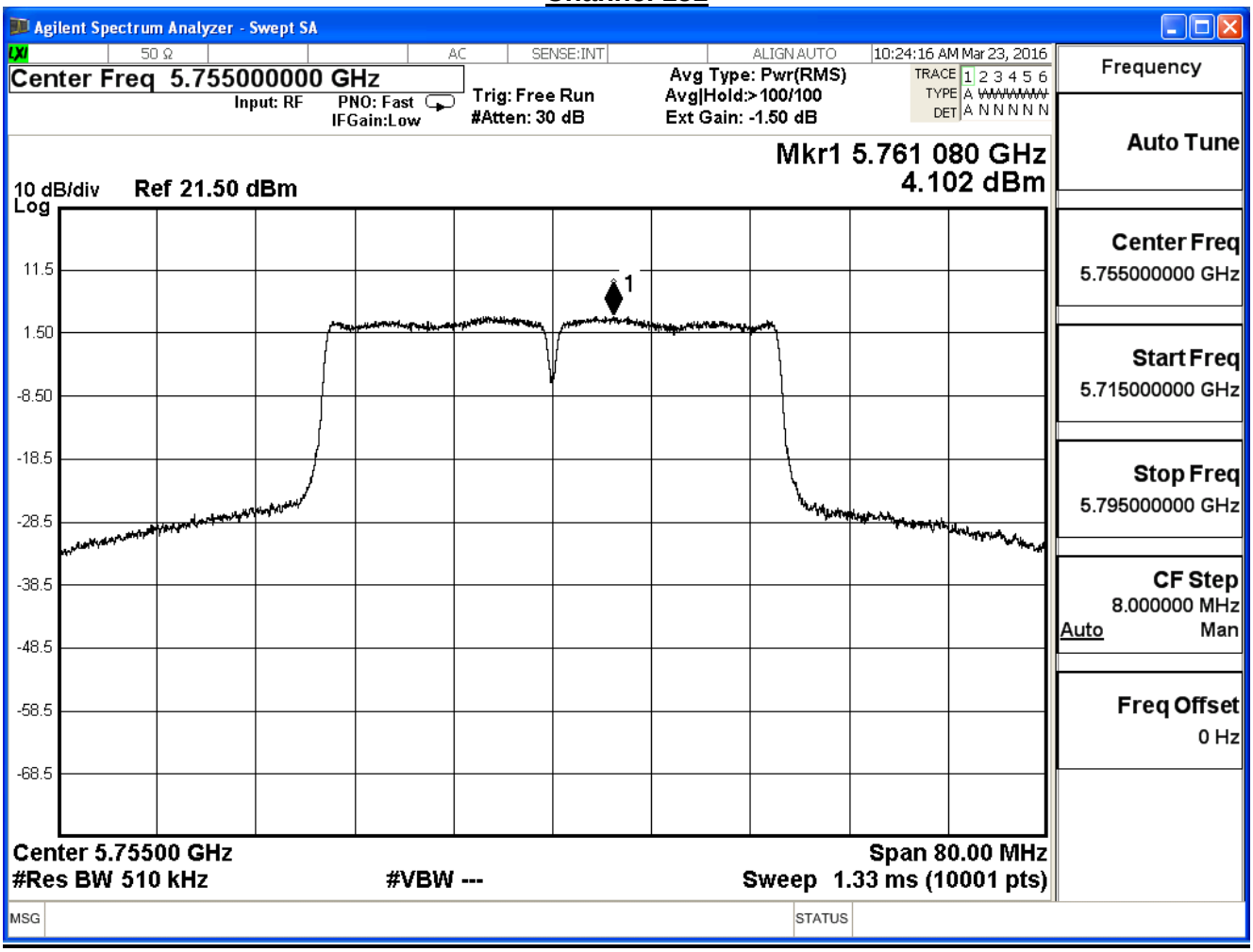
Channel 159


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:25:52 AM Mar 23, 2016
Center Freq 5.795000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ext Gain: -1.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 5.799 584 GHz
4.465 dBm
10 dB/div
Log
Ref 21.50 dBm
11.5
1.50
-8.50
-18.5
-28.5
-38.5
-48.5
-58.5
-68.5
1
Center 5.79500 GHz
#Res BW 510 kHz
#VBW ---
Span 80.00 MHz
Sweep 1.33 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
5.795000000 GHz
Start Freq
5.755000000 GHz
Stop Freq
5.835000000 GHz
CF Step
8.000000 MHz
Auto
Man
Freq Offset
0 Hz

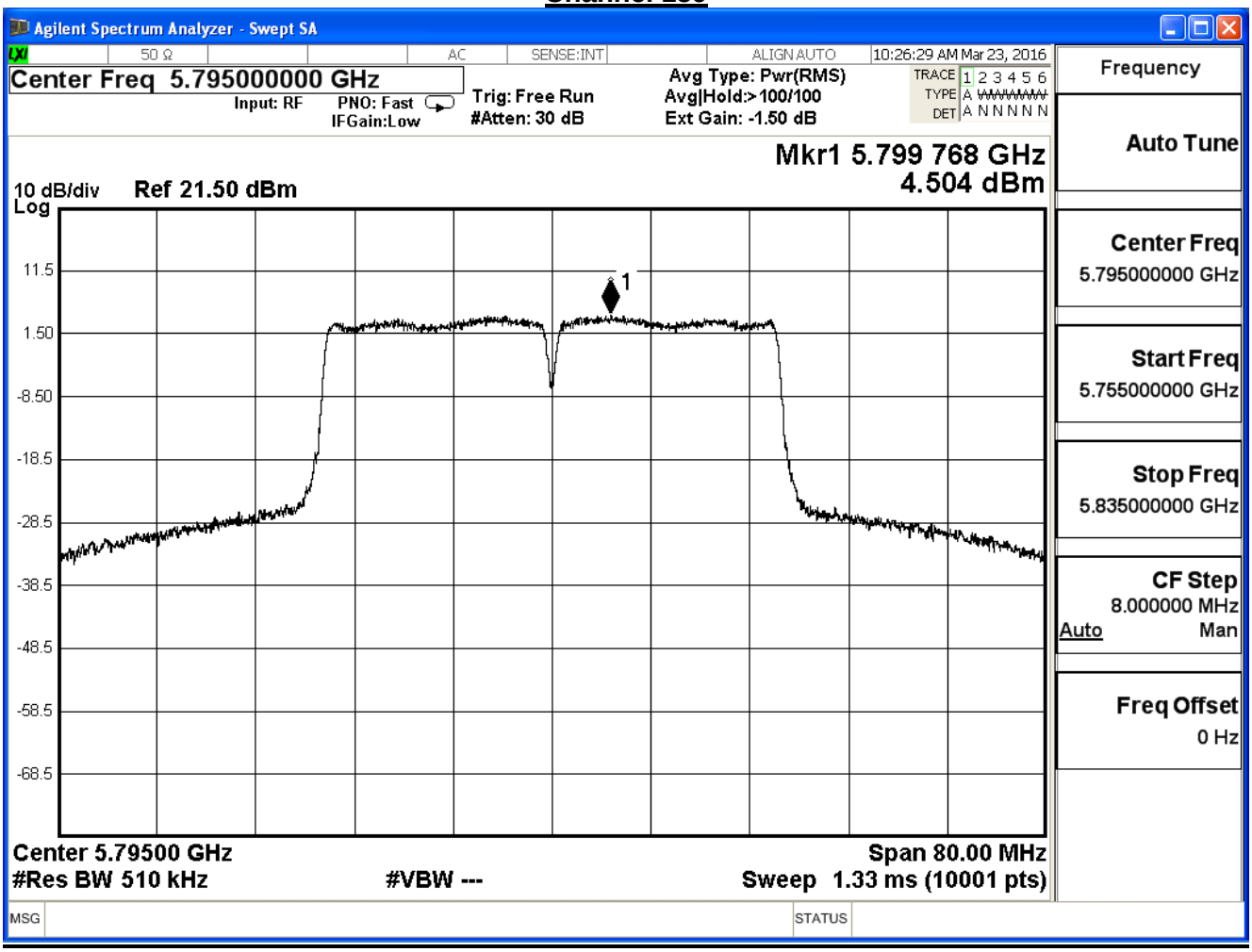
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Spectrum Density		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/23	Test Site	SR7

IEEE 802.11n_40MHz (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)
151	5755	4.10	≦30
159	5795	4.50	≦30

Channel 151



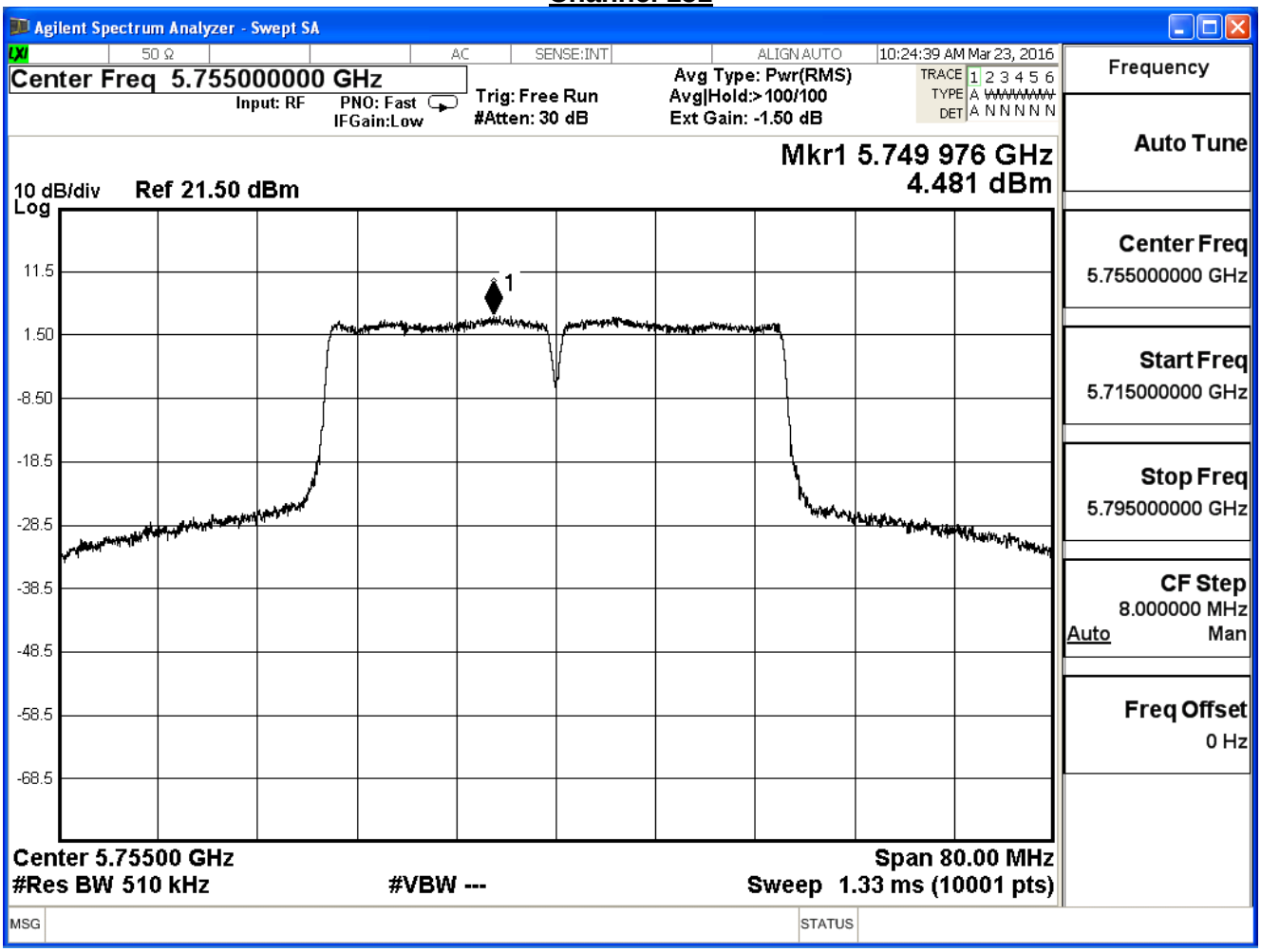
Channel 159


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:26:29 AM Mar 23, 2016
Center Freq 5.795000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ext Gain: -1.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 5.799 768 GHz
4.504 dBm
10 dB/div
Log
Ref 21.50 dBm
11.5
1.50
-8.50
-18.5
-28.5
-38.5
-48.5
-58.5
-68.5
1
Center 5.79500 GHz
#Res BW 510 kHz
#VBW ---
Span 80.00 MHz
Sweep 1.33 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
5.795000000 GHz
Start Freq
5.755000000 GHz
Stop Freq
5.835000000 GHz
CF Step
8.000000 MHz
Auto
Man
Freq Offset
0 Hz

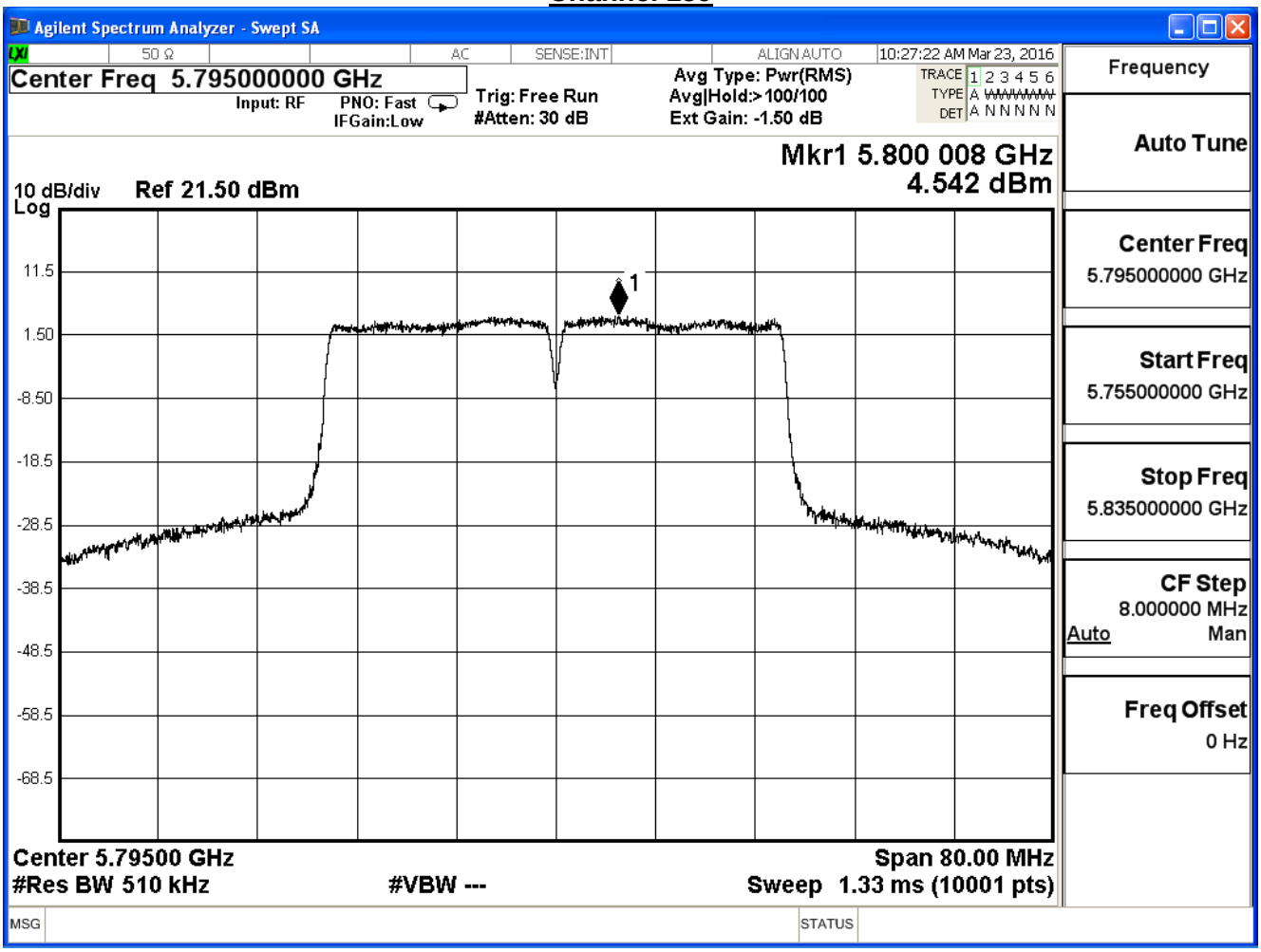
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Spectrum Density		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/23	Test Site	SR7

IEEE 802.11n_40MHz (ANT 2)			
Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)
151	5755	4.48	≦30
159	5795	4.54	≦30

Channel 151



Channel 159


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:27:22 AM Mar 23, 2016
Center Freq 5.795000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ext Gain: -1.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 5.800 008 GHz
4.542 dBm
10 dB/div
Log
Ref 21.50 dBm
11.5
1.50
-8.50
-18.5
-28.5
-38.5
-48.5
-58.5
-68.5
1
Center 5.79500 GHz
#Res BW 510 kHz
#VBW ---
Span 80.00 MHz
Sweep 1.33 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
5.795000000 GHz
Start Freq
5.755000000 GHz
Stop Freq
5.835000000 GHz
CF Step
8.000000 MHz
Auto
Man
Freq Offset
0 Hz

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Spectrum Density		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/23	Test Site	SR7

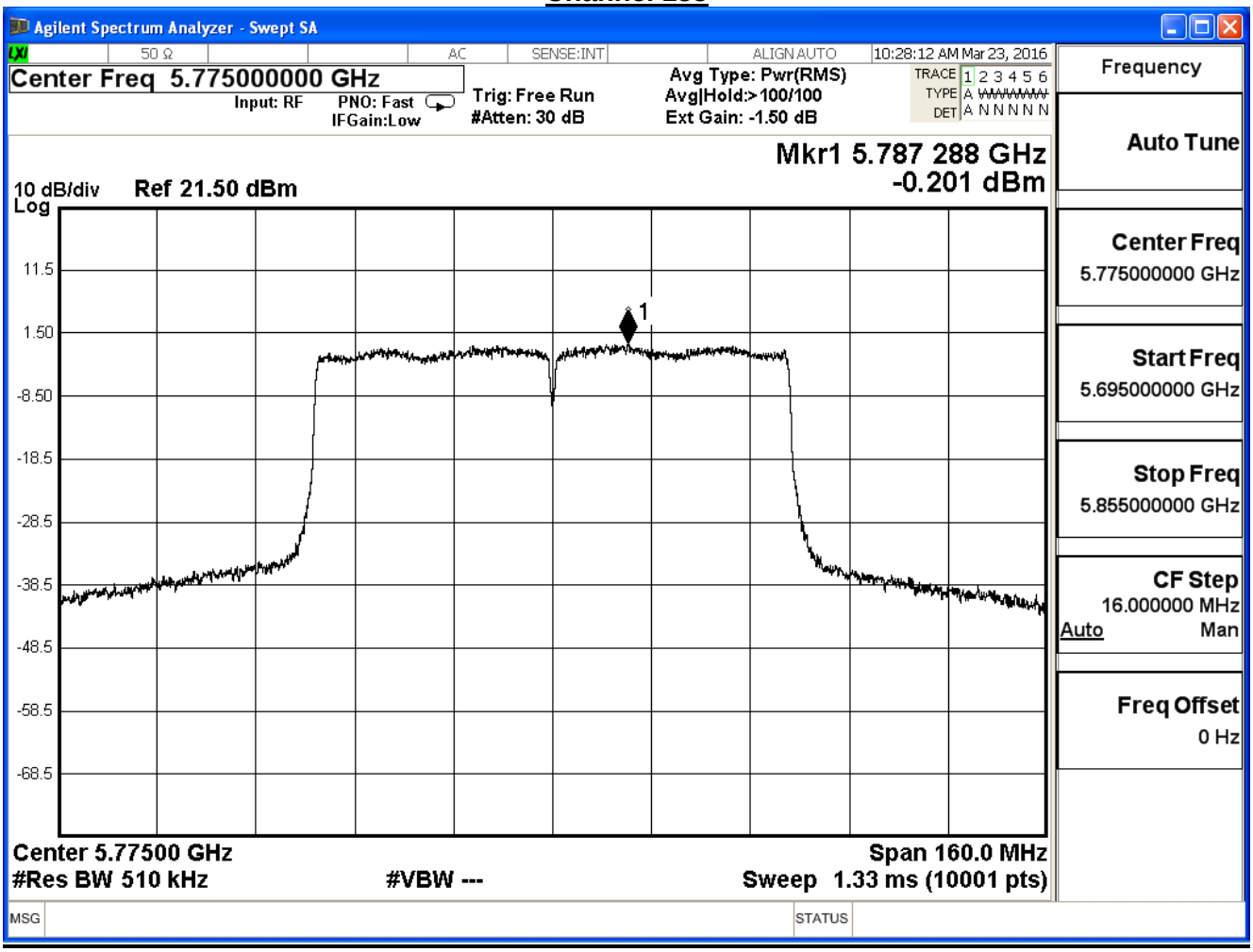
IEEE802.11n 40MHz(ANT 0+1+2)

Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)
151	5755	9.11	≦30
159	5795	9.27	≦30

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Spectrum Density		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/23	Test Site	SR7

IEEE 802.11ac_80MHz (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)
155	5775	-0.20	≦30

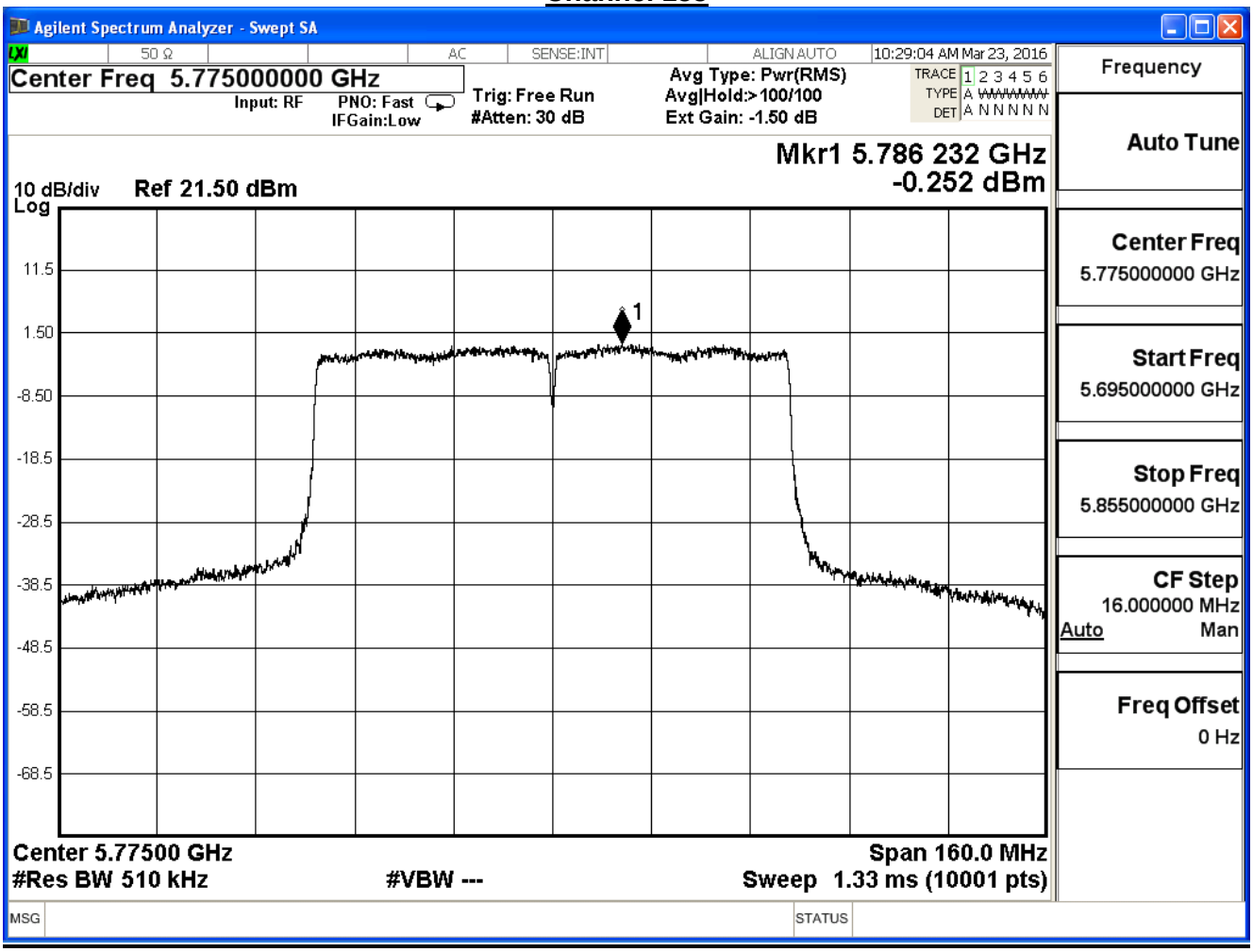
Channel 155



Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Spectrum Density		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/23	Test Site	SR7

IEEE 802.11ac_80MHz (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)
155	5775	-0.25	≦30

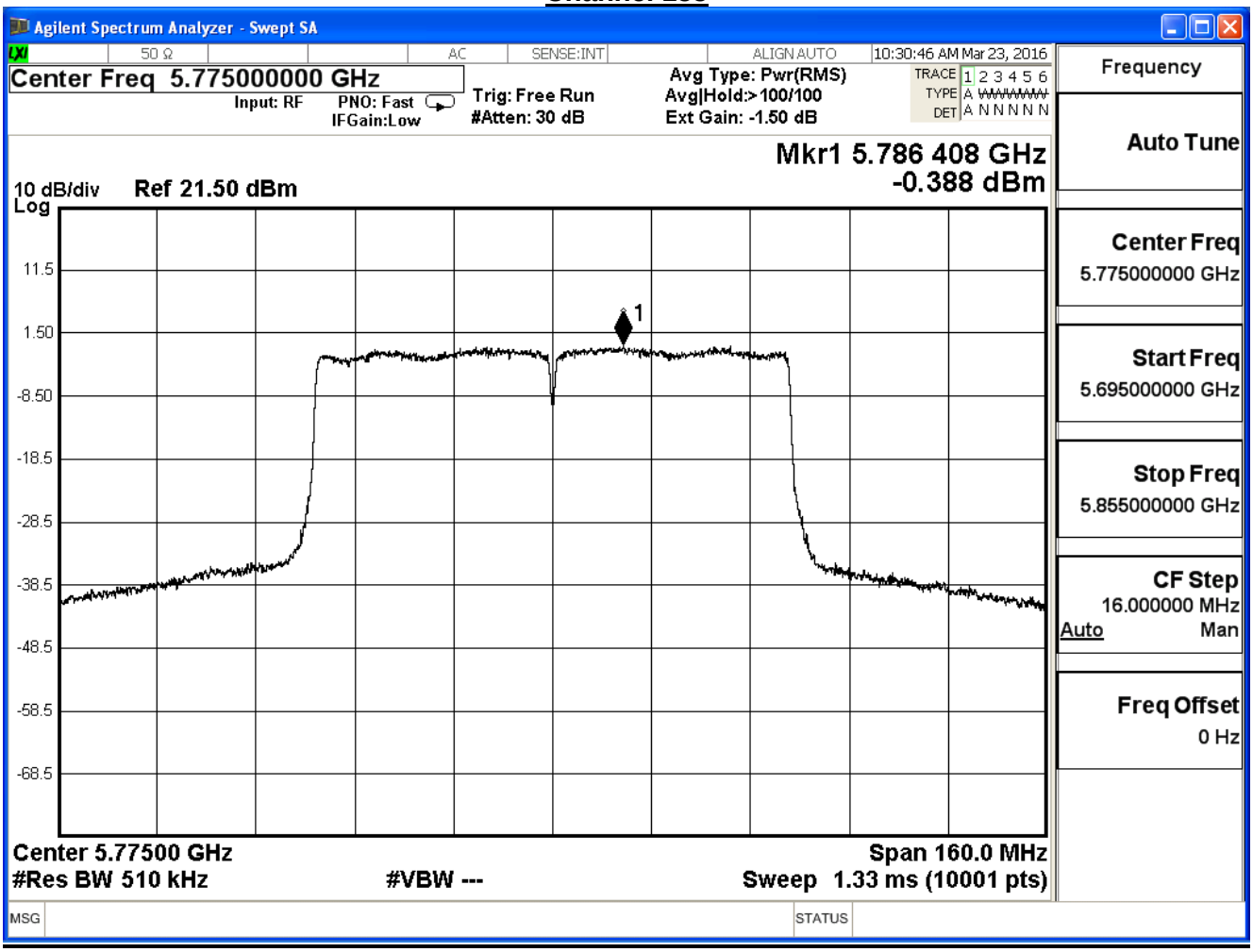
Channel 155



Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Spectrum Density		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/23	Test Site	SR7

IEEE 802.11ac_80MHz (ANT 2)			
Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)
155	5775	-0.39	≦30

Channel 155



Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Spectrum Density		
Test Mode	Mode 1: Transmit_Adapter 1		
Date of Test	2016/03/23	Test Site	SR7

IEEE802.11ac 80MHz(ANT 0+1+2)

Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)
155	5775	4.49	≦30

6. Radiated Emission

6.1. Test Equipment

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

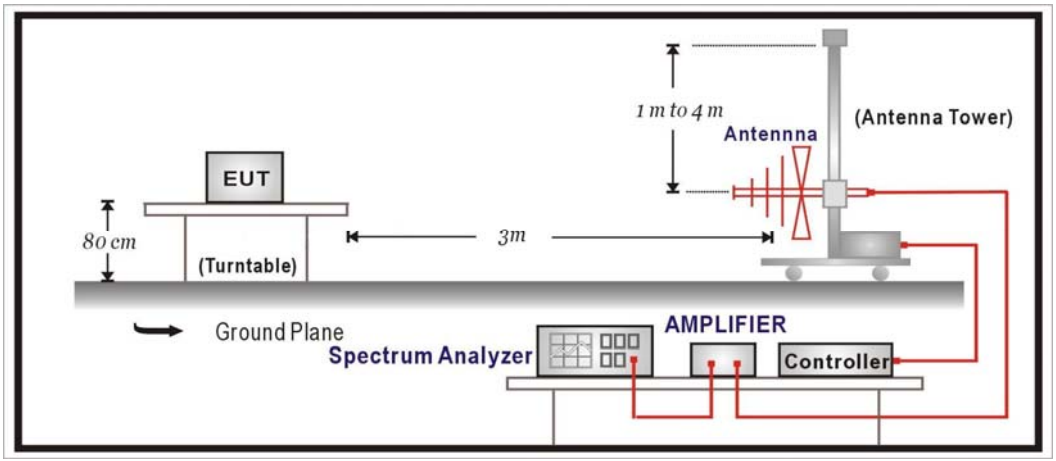
Radiated Emission / CB1

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

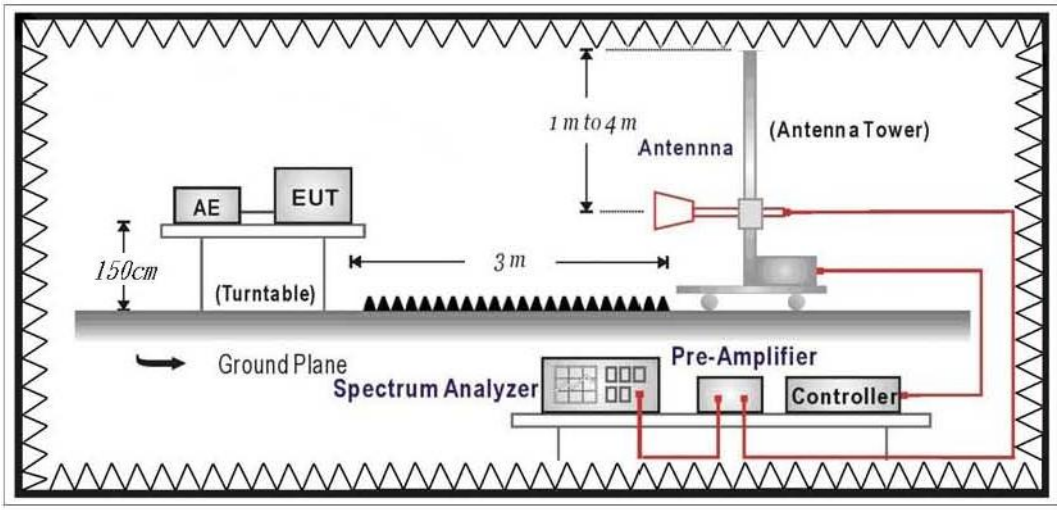
Note: All equipments that need to calibrate are with calibration period of 1 year.

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

Remark:

1. 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.

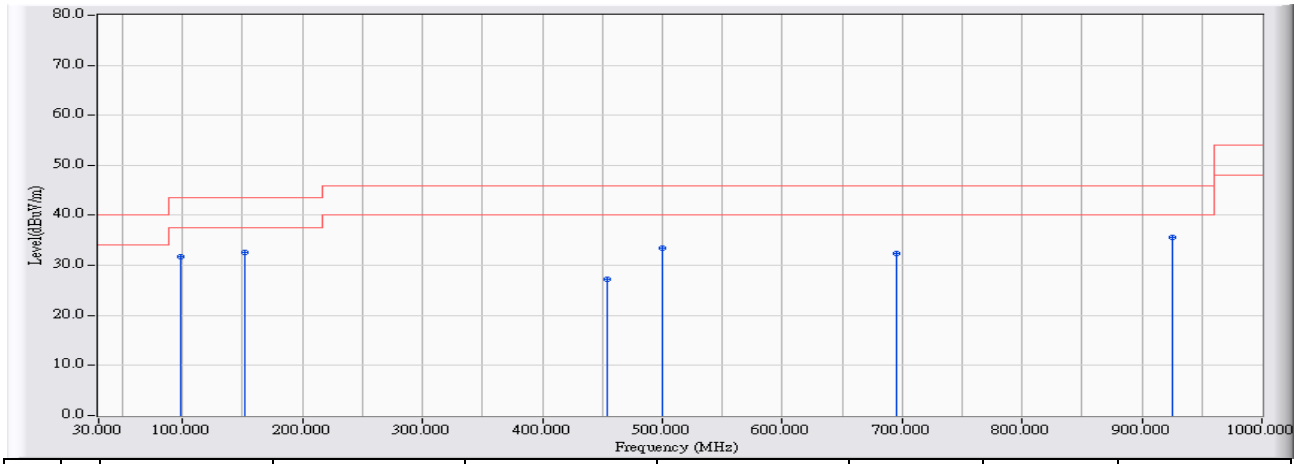
6.5. Uncertainty

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

6.6. Test Result

30MHz-1GHz Spurious

Site : CB1	**Time : 2016/01/17 - 18:30**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11a_5745MHz**

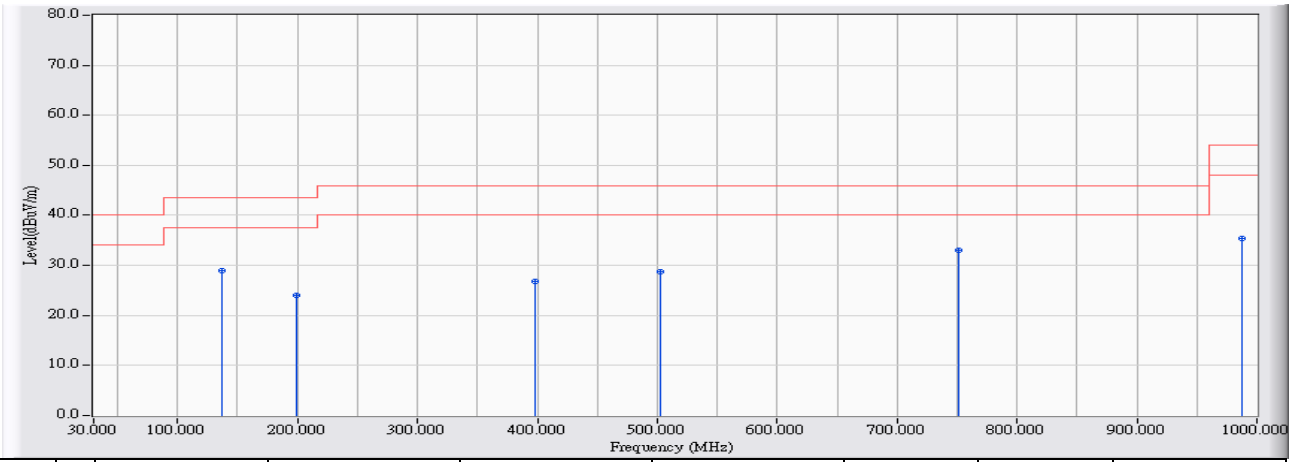


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		98.378	12.394	19.410	31.804	-11.696	43.500	QUASIPEAK
2		151.529	17.810	14.697	32.506	-10.994	43.500	QUASIPEAK
3		454.236	17.205	10.035	27.239	-18.761	46.000	QUASIPEAK
4		499.918	17.754	15.696	33.449	-12.551	46.000	QUASIPEAK
5		695.353	20.999	11.375	32.374	-13.626	46.000	QUASIPEAK
6	*	925.026	23.691	11.815	35.507	-10.493	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2016/01/17 - 18:31**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11a_5745MHz**

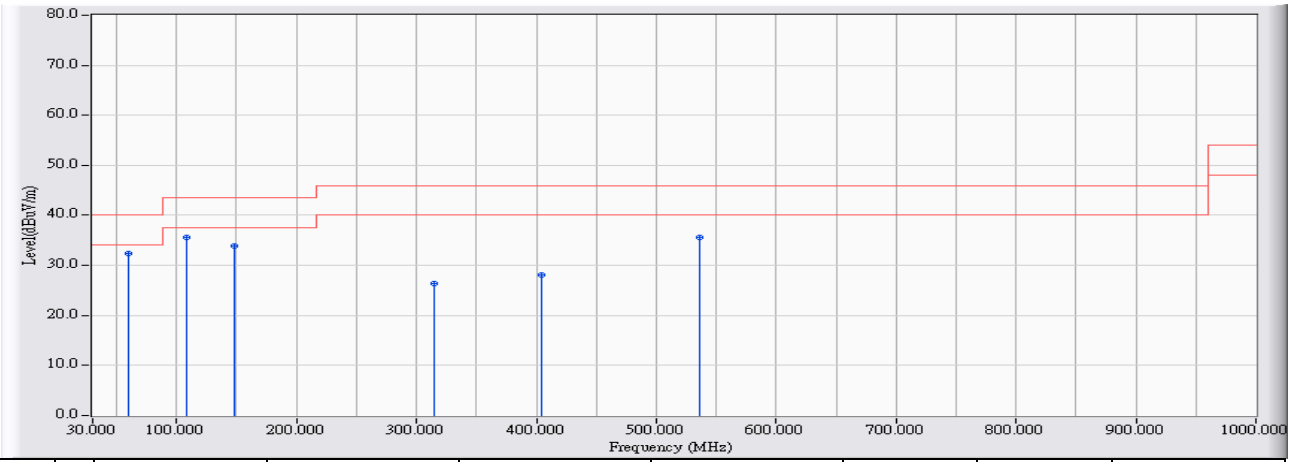


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		136.786	15.471	13.487	28.958	-14.542	43.500	QUASIPEAK
2		199.442	12.532	11.514	24.046	-19.454	43.500	QUASIPEAK
3		398.466	15.930	10.916	26.845	-19.155	46.000	QUASIPEAK
4		502.731	17.807	10.876	28.682	-17.318	46.000	QUASIPEAK
5	*	751.123	21.707	11.255	32.962	-13.038	46.000	QUASIPEAK
6		988.070	24.295	11.159	35.454	-18.546	54.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2016/01/17 - 18:33**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M)_5745MHz**

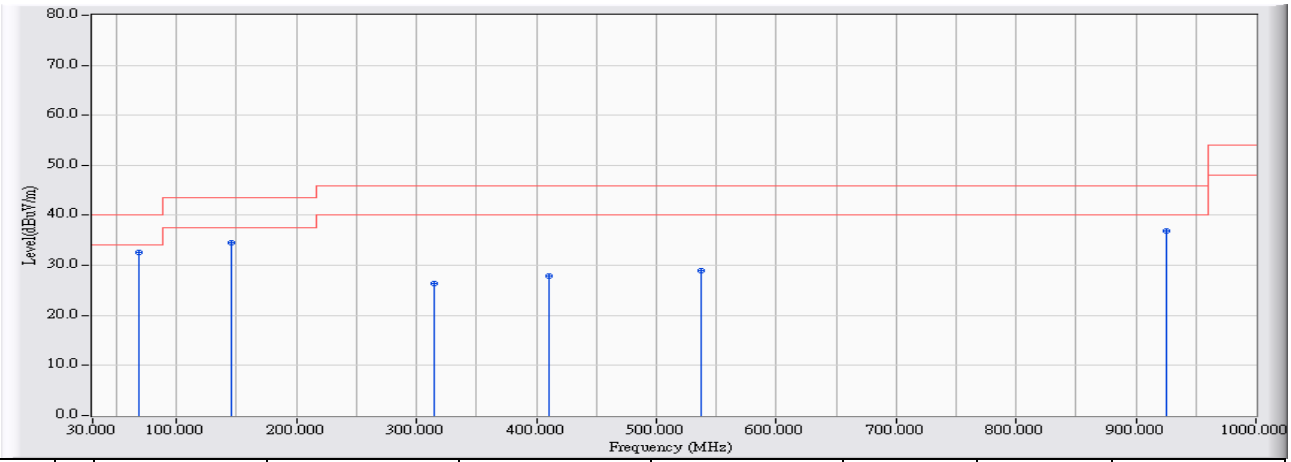


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	60.164	11.097	21.389	32.486	-7.514	40.000	QUASIPEAK
2		107.980	12.563	23.128	35.691	-7.809	43.500	QUASIPEAK
3		148.037	17.442	16.484	33.926	-9.574	43.500	QUASIPEAK
4		315.151	14.026	12.277	26.303	-19.697	46.000	QUASIPEAK
5		404.189	16.064	11.971	28.035	-17.965	46.000	QUASIPEAK
6		535.610	18.448	17.128	35.575	-10.425	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2016/01/17 - 18:34**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M)_5745MHz**

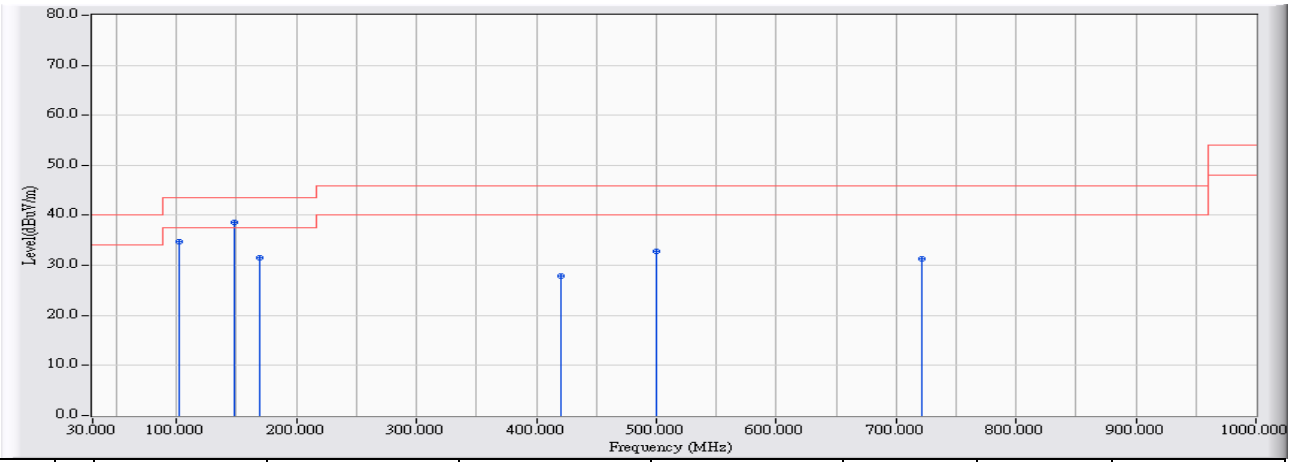


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	68.893	8.447	24.051	32.498	-7.502	40.000	QUASIPEAK
2		145.224	16.959	17.568	34.527	-8.973	43.500	QUASIPEAK
3		315.151	14.026	12.277	26.303	-19.697	46.000	QUASIPEAK
4		410.590	16.216	11.648	27.864	-18.136	46.000	QUASIPEAK
5		537.550	18.486	10.378	28.863	-17.137	46.000	QUASIPEAK
6		924.930	23.690	13.112	36.803	-9.197	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2016/01/17 - 18:37**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(40M)_5755MHz**

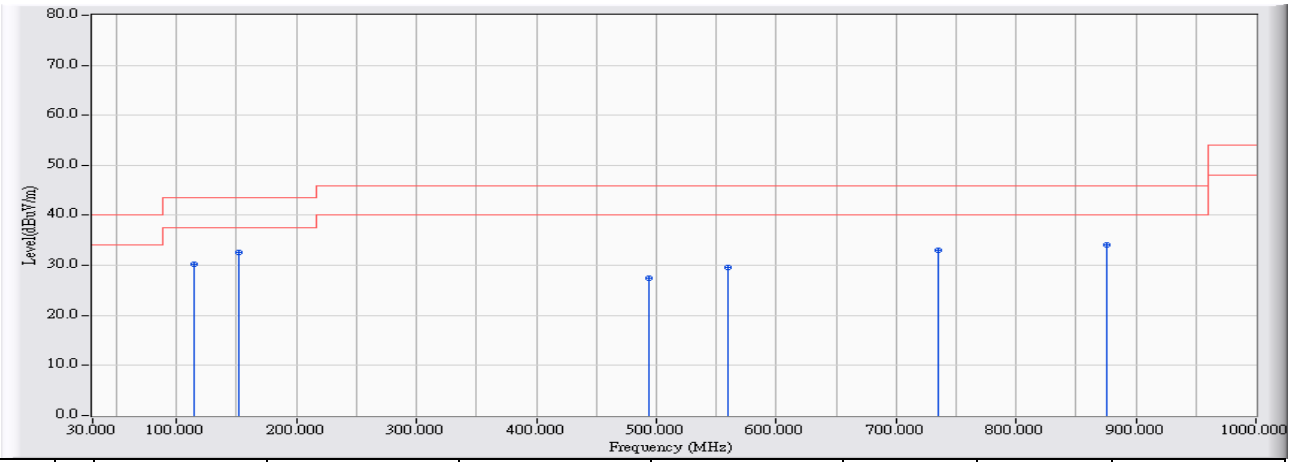


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		101.773	12.540	22.178	34.718	-8.782	43.500	QUASIPEAK
2	*	148.037	17.442	21.084	38.526	-4.974	43.500	QUASIPEAK
3		168.696	16.304	15.125	31.429	-12.071	43.500	QUASIPEAK
4		420.774	16.459	11.515	27.974	-18.026	46.000	QUASIPEAK
5		500.015	17.755	14.954	32.709	-13.291	46.000	QUASIPEAK
6		721.638	21.335	9.939	31.274	-14.726	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2016/01/17 - 18:37**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(40M)_5755MHz**

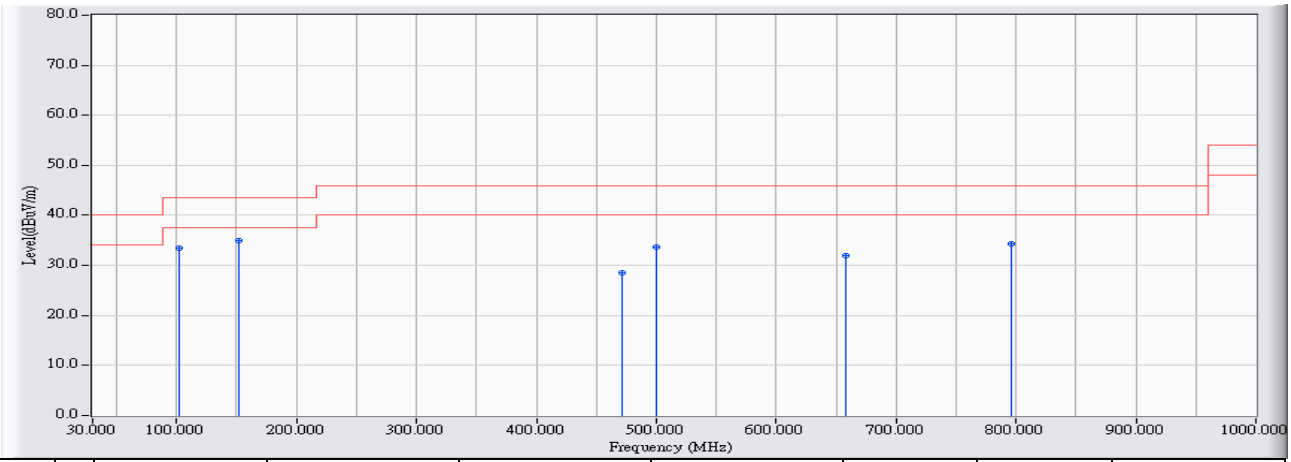


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		114.091	12.794	17.409	30.203	-13.297	43.500	QUASIPEAK
2	*	151.432	17.808	14.848	32.655	-10.845	43.500	QUASIPEAK
3		494.002	17.681	9.795	27.476	-18.524	46.000	QUASIPEAK
4		559.276	18.909	10.617	29.526	-16.474	46.000	QUASIPEAK
5		735.410	21.509	11.435	32.944	-13.056	46.000	QUASIPEAK
6		875.464	23.176	11.031	34.206	-11.794	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2016/01/17 - 18:39**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11ac(80M)_5775MHz**

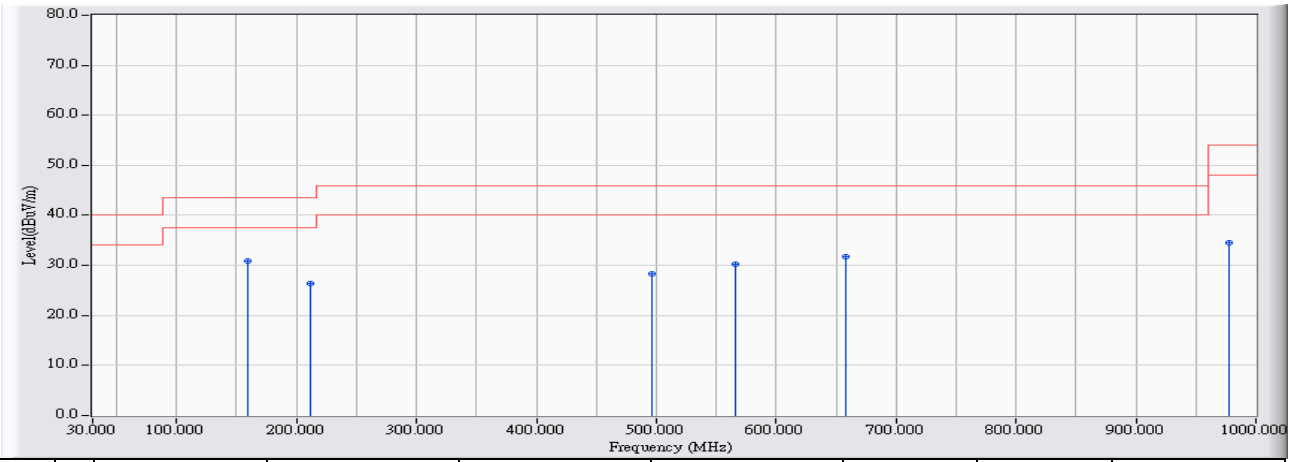


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		101.773	12.540	20.896	33.436	-10.064	43.500	QUASIPEAK
2	*	151.432	17.808	17.117	34.924	-8.576	43.500	QUASIPEAK
3		471.112	17.407	11.079	28.486	-17.514	46.000	QUASIPEAK
4		499.918	17.754	15.837	33.590	-12.410	46.000	QUASIPEAK
5		658.400	20.497	11.387	31.884	-14.116	46.000	QUASIPEAK
6		795.641	22.269	12.045	34.314	-11.686	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2016/01/17 - 18:39**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11ac(80M)_5775MHz**

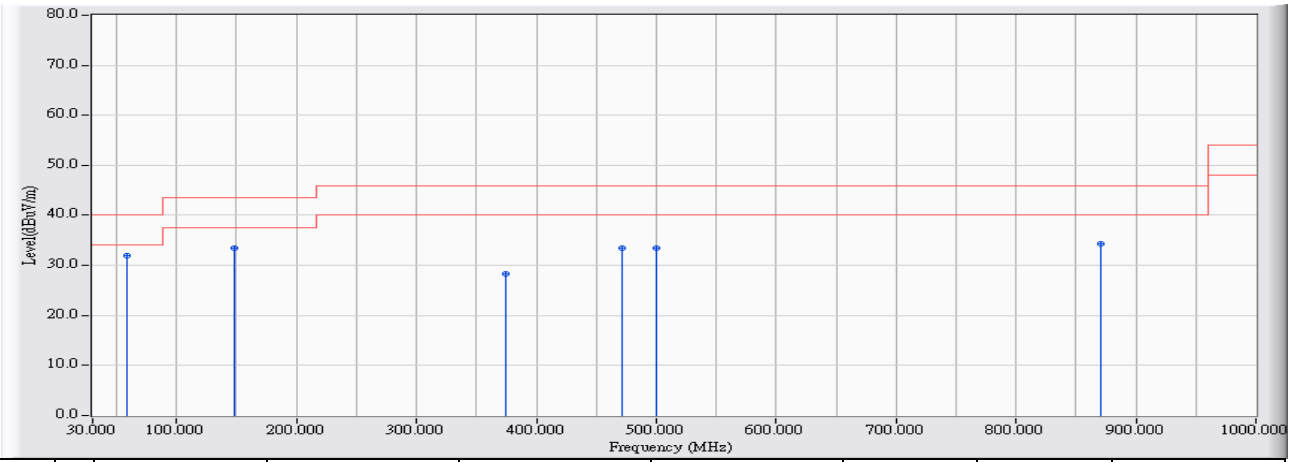


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	159.676	17.970	12.901	30.871	-12.629	43.500	QUASIPEAK
2		210.984	12.367	13.986	26.353	-17.147	43.500	QUASIPEAK
3		496.717	17.714	10.517	28.230	-17.770	46.000	QUASIPEAK
4		566.453	19.049	11.261	30.310	-15.690	46.000	QUASIPEAK
5		658.303	20.496	11.198	31.694	-14.306	46.000	QUASIPEAK
6		977.595	24.194	10.373	34.568	-19.432	54.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2016/01/17 - 17:27**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 2: Transmit_Adapter 2 802.11a_5745MHz**

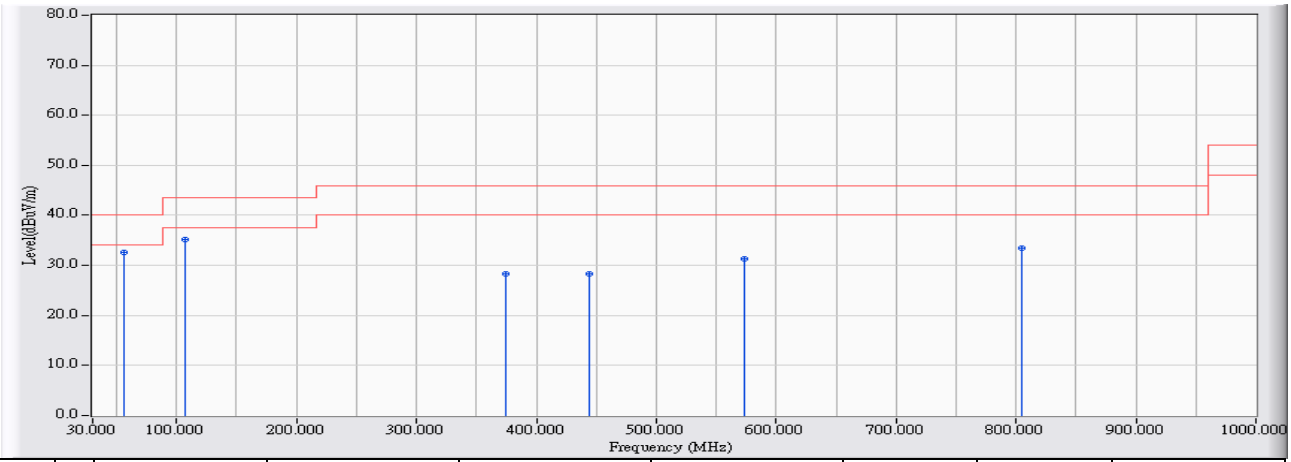


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	58.709	11.217	20.815	32.032	-7.968	40.000	QUASIPEAK
2		147.552	17.359	15.994	33.353	-10.147	43.500	QUASIPEAK
3		374.898	15.389	13.004	28.393	-17.607	46.000	QUASIPEAK
4		471.306	17.409	15.995	33.404	-12.596	46.000	QUASIPEAK
5		499.918	17.754	15.762	33.515	-12.485	46.000	QUASIPEAK
6		870.906	23.124	11.154	34.278	-11.722	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2016/01/17 - 17:27**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 2: Transmit_Adapter 2 802.11a_5745MHz**

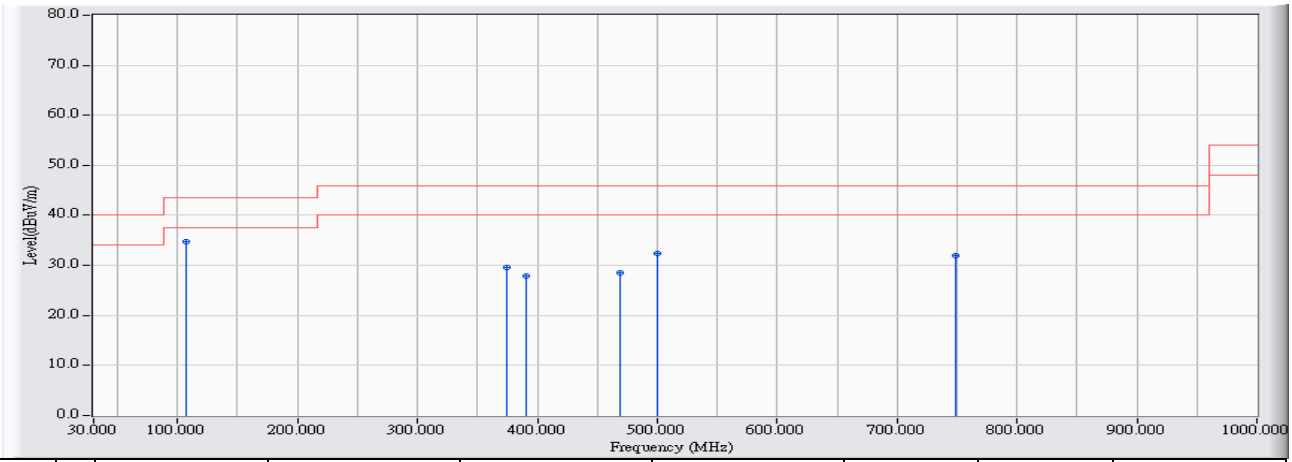


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	55.799	11.376	21.129	32.505	-7.495	40.000	QUASIPEAK
2		106.719	12.558	22.702	35.260	-8.240	43.500	QUASIPEAK
3		374.898	15.389	13.004	28.393	-17.607	46.000	QUASIPEAK
4		443.567	17.001	11.256	28.257	-17.743	46.000	QUASIPEAK
5		573.631	19.189	12.228	31.417	-14.583	46.000	QUASIPEAK
6		804.662	22.376	11.147	33.524	-12.476	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2016/01/17 - 17:31**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 2: Transmit_Adapter 2 802.11n(20M)_5745MHz**

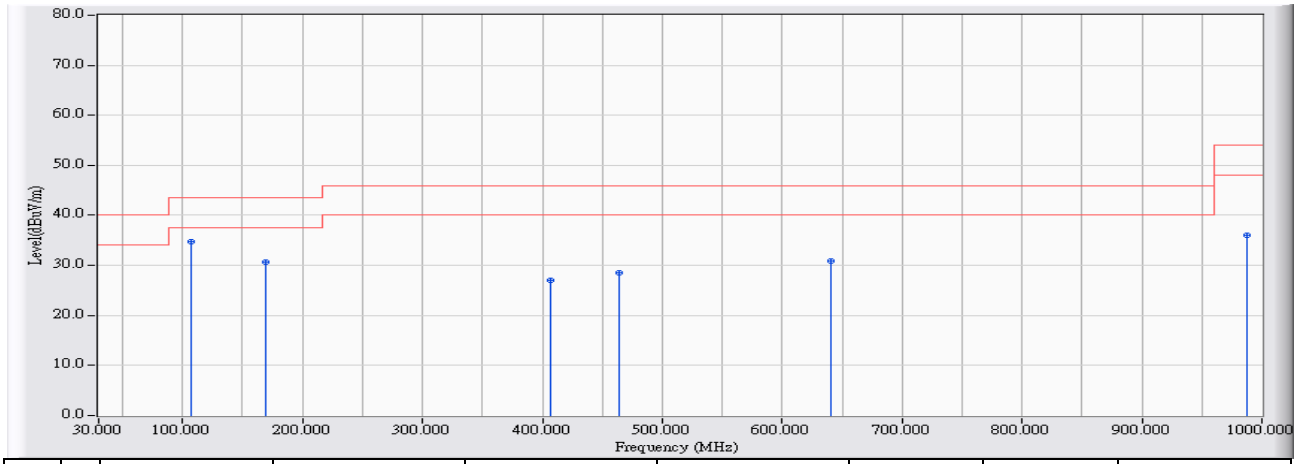


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	106.622	12.558	22.146	34.704	-8.796	43.500	QUASIPEAK
2		374.995	15.391	14.234	29.625	-16.375	46.000	QUASIPEAK
3		390.610	15.749	12.083	27.832	-18.168	46.000	QUASIPEAK
4		468.784	17.379	11.117	28.496	-17.504	46.000	QUASIPEAK
5		499.918	17.754	14.609	32.362	-13.638	46.000	QUASIPEAK
6		748.795	21.678	10.220	31.898	-14.102	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2016/01/17 - 17:32**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 2: Transmit_Adapter 2 802.11n(20M)_5745MHz**

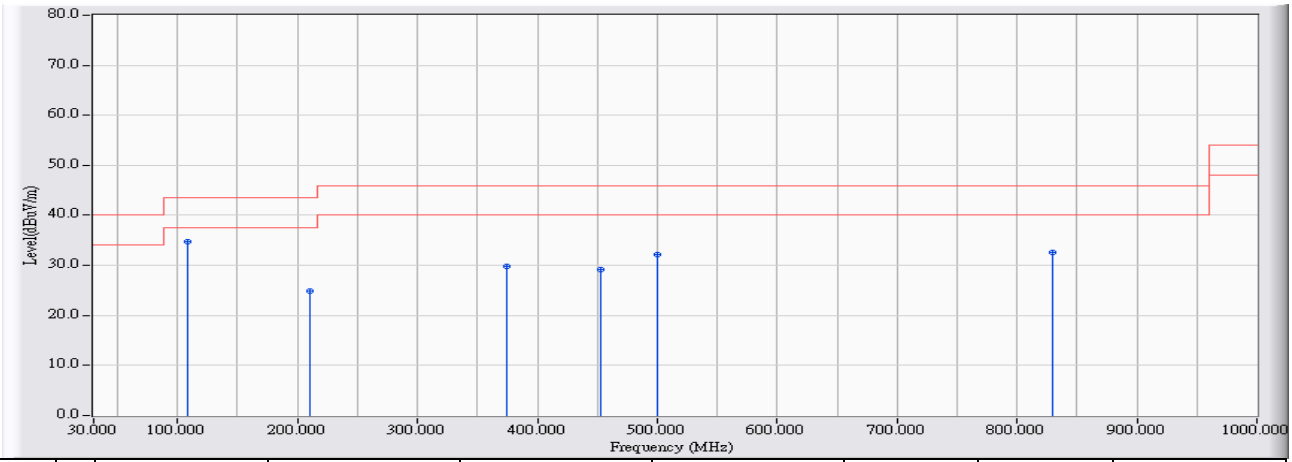


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	106.622	12.558	22.146	34.704	-8.796	43.500	QUASIPEAK
2		168.696	16.304	14.271	30.575	-12.925	43.500	QUASIPEAK
3		406.904	16.129	10.806	26.935	-19.065	46.000	QUASIPEAK
4		464.032	17.322	11.110	28.432	-17.568	46.000	QUASIPEAK
5		640.942	20.260	10.633	30.893	-15.107	46.000	QUASIPEAK
6		987.779	24.292	11.717	36.009	-17.991	54.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2016/01/17 - 17:34**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 2: Transmit_Adapter 2 802.11n(40M)_5755MHz**

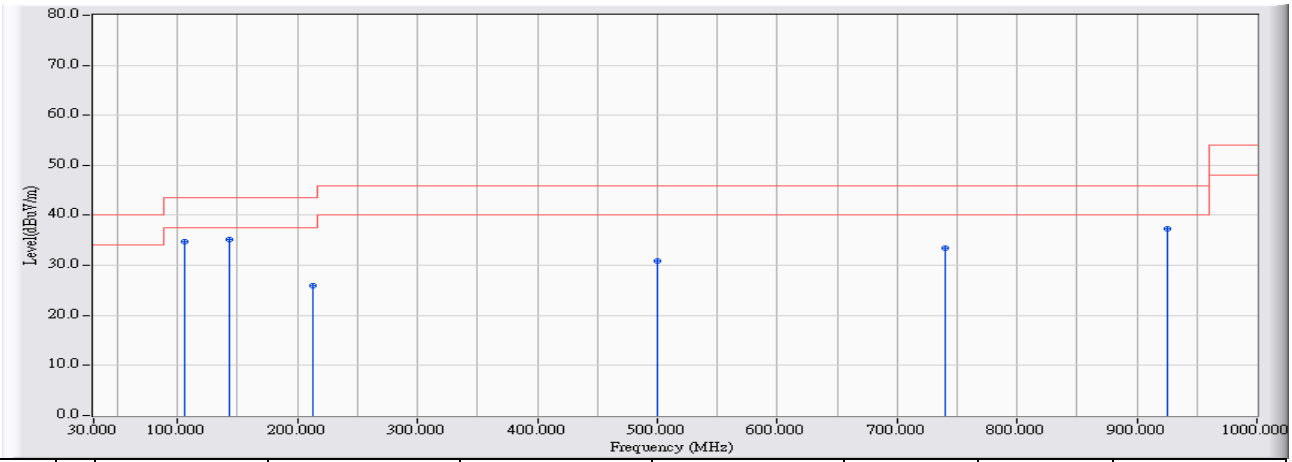


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	108.756	12.565	22.084	34.650	-8.850	43.500	QUASIPEAK
2		210.402	12.375	12.516	24.891	-18.609	43.500	QUASIPEAK
3		374.995	15.391	14.331	29.722	-16.278	46.000	QUASIPEAK
4		452.490	17.184	12.084	29.267	-16.733	46.000	QUASIPEAK
5		500.015	17.755	14.316	32.071	-13.929	46.000	QUASIPEAK
6		829.879	22.661	10.025	32.686	-13.314	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2016/01/17 - 17:38**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 2: Transmit_Adapter 2 802.11n(40M)_5755MHz**

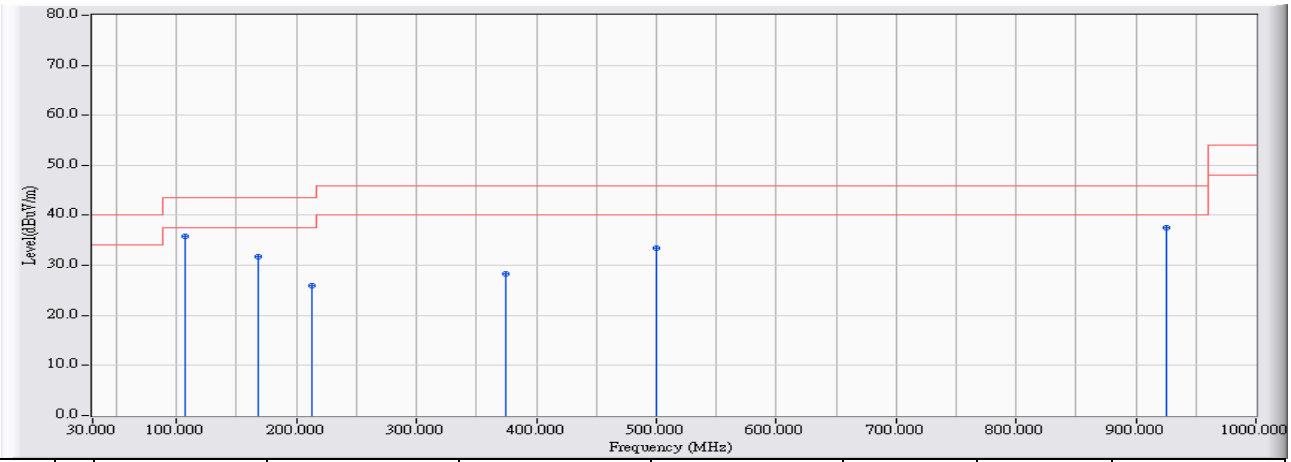


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		105.264	12.553	22.211	34.764	-8.736	43.500	QUASIPEAK
2	*	143.188	16.609	18.619	35.228	-8.272	43.500	QUASIPEAK
3		212.536	12.347	13.650	25.997	-17.503	43.500	QUASIPEAK
4		499.918	17.754	13.058	30.811	-15.189	46.000	QUASIPEAK
5		740.066	21.568	11.803	33.371	-12.629	46.000	QUASIPEAK
6		924.930	23.690	13.578	37.269	-8.731	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2016/01/17 - 17:41**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 2: Transmit_Adapter 2 802.11ac(80M)_5775MHz**

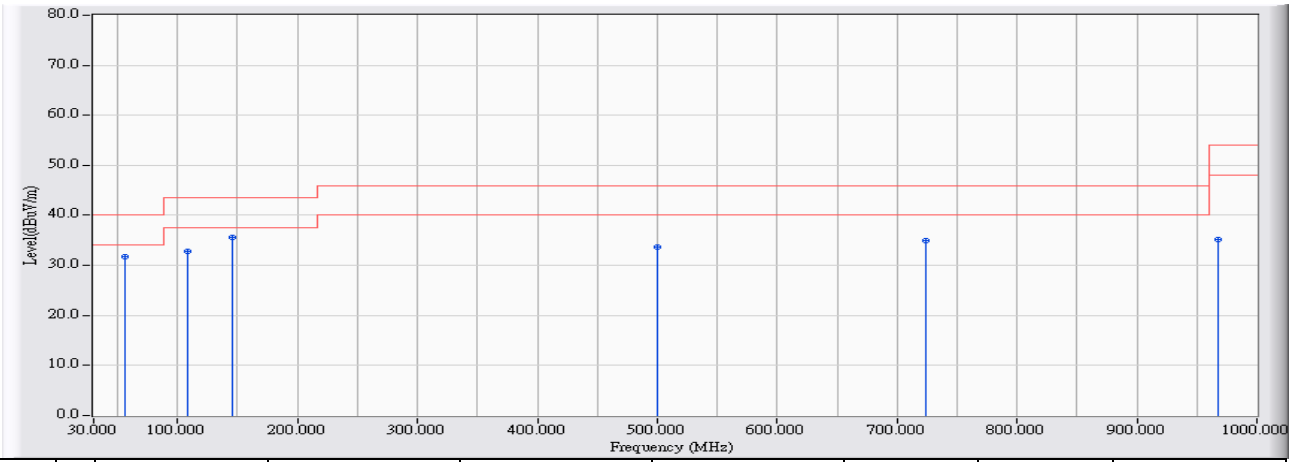


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	106.622	12.558	23.224	35.782	-7.718	43.500	QUASIPEAK
2		167.920	16.453	15.187	31.640	-11.860	43.500	QUASIPEAK
3		212.536	12.347	13.650	25.997	-17.503	43.500	QUASIPEAK
4		374.995	15.391	12.854	28.245	-17.755	46.000	QUASIPEAK
5		499.918	17.754	15.784	33.537	-12.463	46.000	QUASIPEAK
6		924.930	23.690	13.773	37.464	-8.536	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2016/01/17 - 17:42**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 2: Transmit_Adapter 2 802.11ac(80M)_5775MHz**



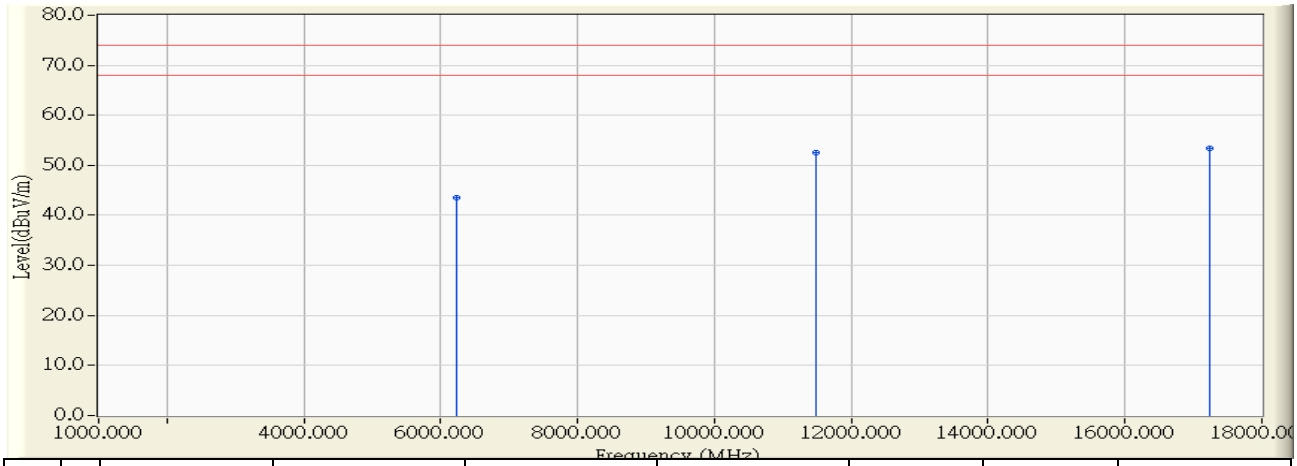
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		55.799	11.376	20.346	31.722	-8.278	40.000	QUASIPEAK
2		108.756	12.565	20.311	32.877	-10.623	43.500	QUASIPEAK
3	*	145.224	16.959	18.593	35.552	-7.948	43.500	QUASIPEAK
4		499.918	17.754	15.995	33.748	-12.252	46.000	QUASIPEAK
5		724.354	21.369	13.531	34.901	-11.099	46.000	QUASIPEAK
6		967.314	24.096	11.107	35.203	-18.797	54.000	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 : CB1	**Time : 2016/03/20 - 18:57**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1** **802.11a_5745MHz**

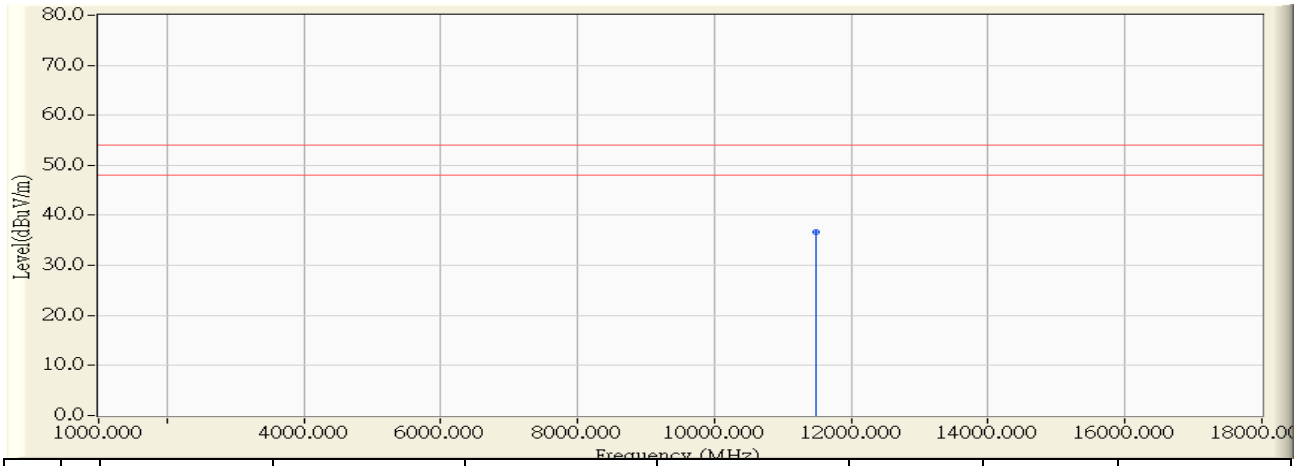


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		6223.275	1.999	41.530	43.529	-30.471	74.000	PEAK
2		11489.475	11.040	41.590	52.630	-21.370	74.000	PEAK
3	*	17226.525	14.321	38.980	53.301	-20.699	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/03/20 - 19:00**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11a_5745MHz**

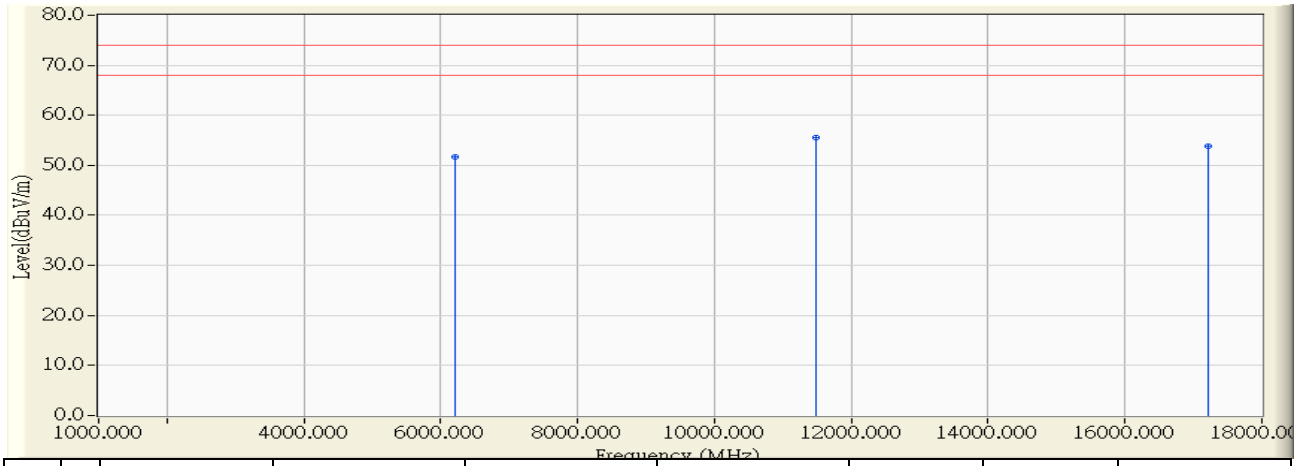


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11490.250	11.039	25.620	36.659	-17.341	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2016/03/20 - 19:02**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11a_5745MHz**

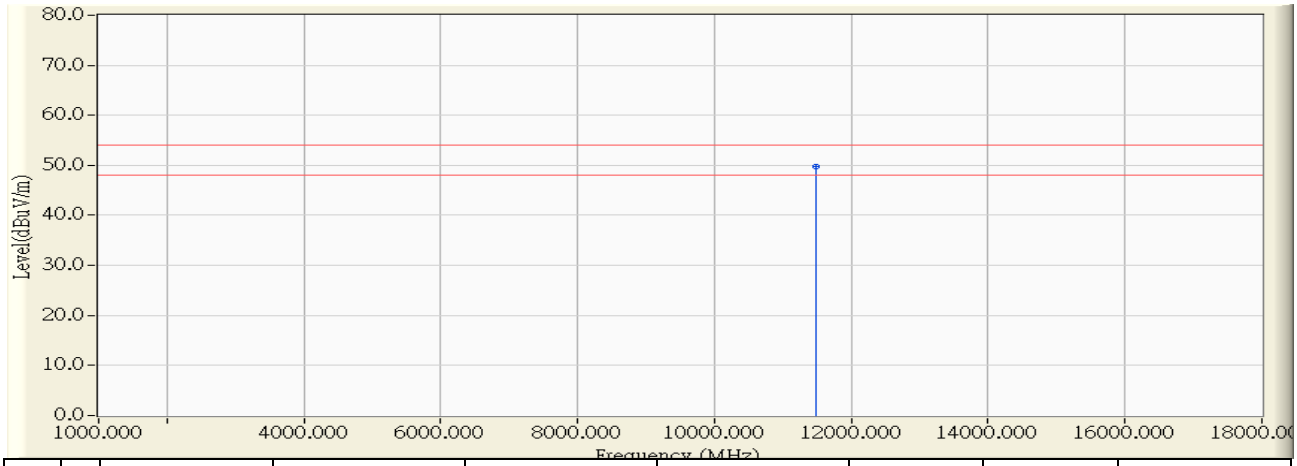


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		6218.325	1.857	49.890	51.748	-22.252	74.000	PEAK
2	*	11490.500	10.784	44.850	55.635	-18.365	74.000	PEAK
3		17224.825	14.313	39.420	53.733	-20.267	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/03/20 - 19:03**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11a_5745MHz**

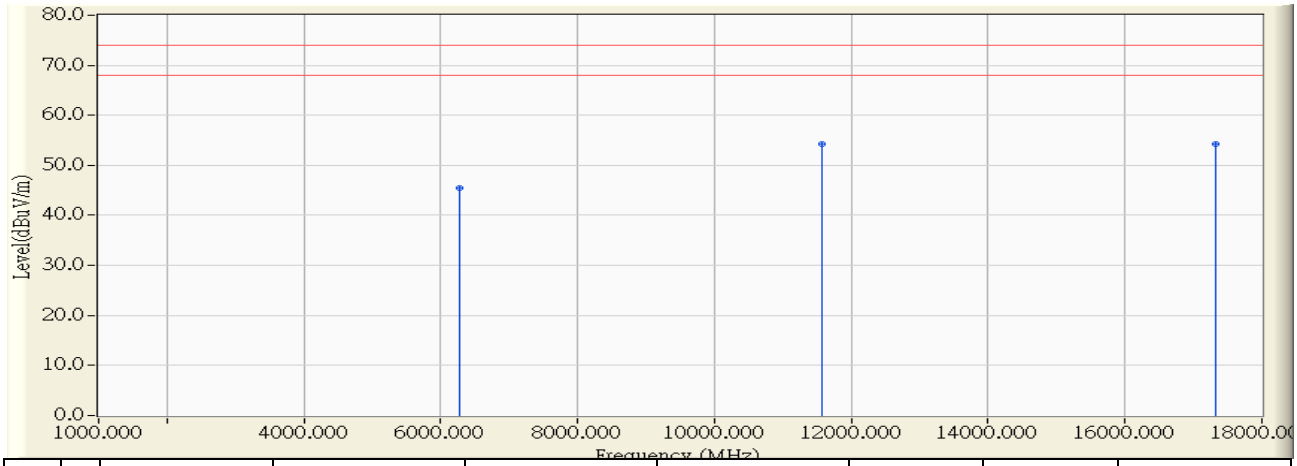


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11492.680	10.781	38.980	49.761	-4.239	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2016/03/20 - 19:04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11a_5785MHz**

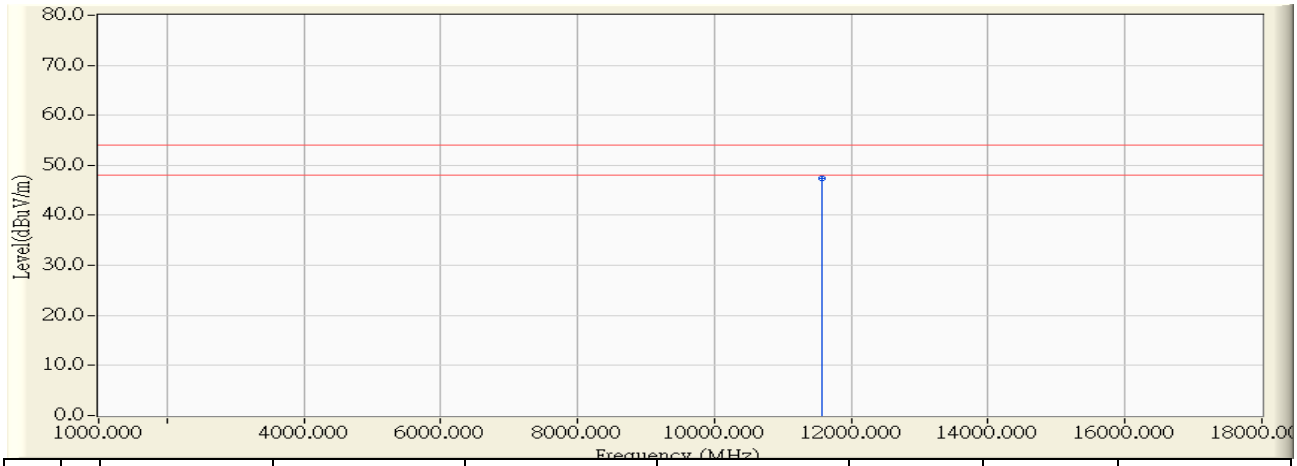


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		6267.325	2.211	43.320	45.531	-28.469	74.000	PEAK
2	*	11574.000	10.935	43.370	54.305	-19.695	74.000	PEAK
3		17332.750	14.830	39.410	54.240	-19.760	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/03/20 - 19:10**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11a_5785MHz**

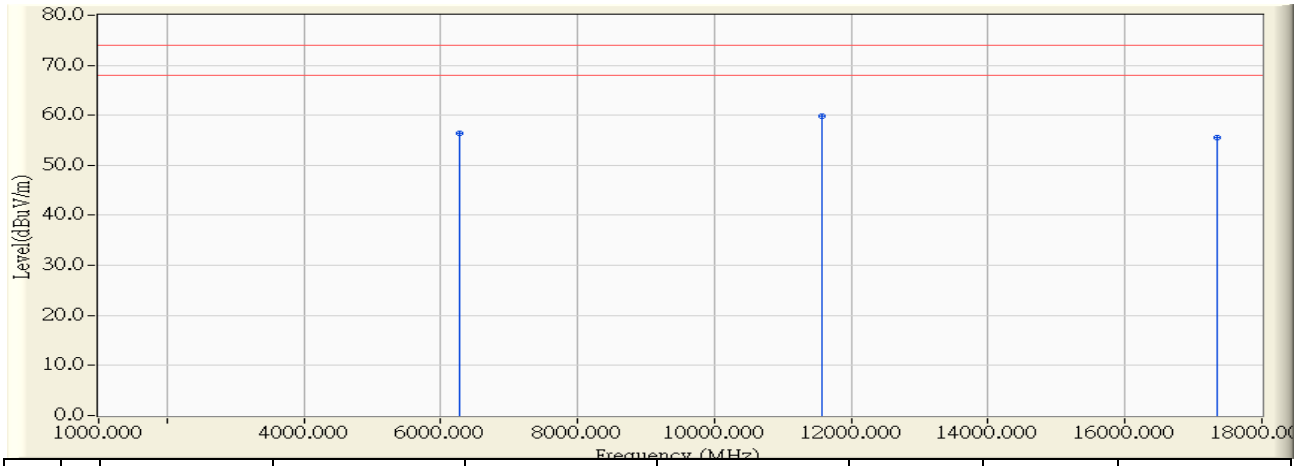


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11572.740	10.936	36.440	47.377	-6.623	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2016/03/20 - 19:17**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11a_5785MHz**

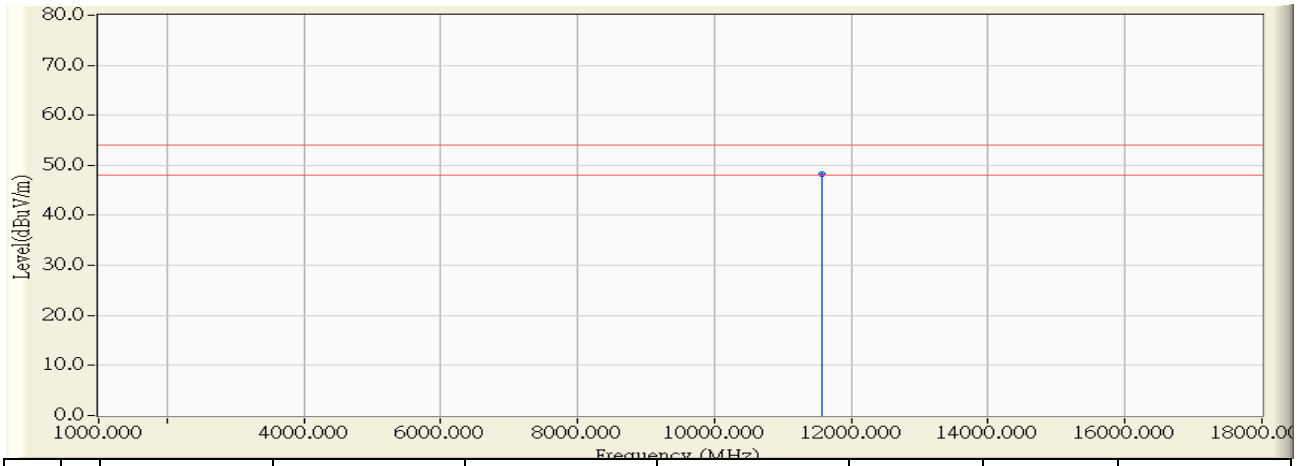


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		6267.725	2.071	54.320	56.391	-17.609	74.000	PEAK
2	*	11570.350	10.646	49.180	59.826	-14.174	74.000	PEAK
3		17346.925	14.898	40.620	55.518	-18.482	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/03/20 - 19:22**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11a_5785MHz**

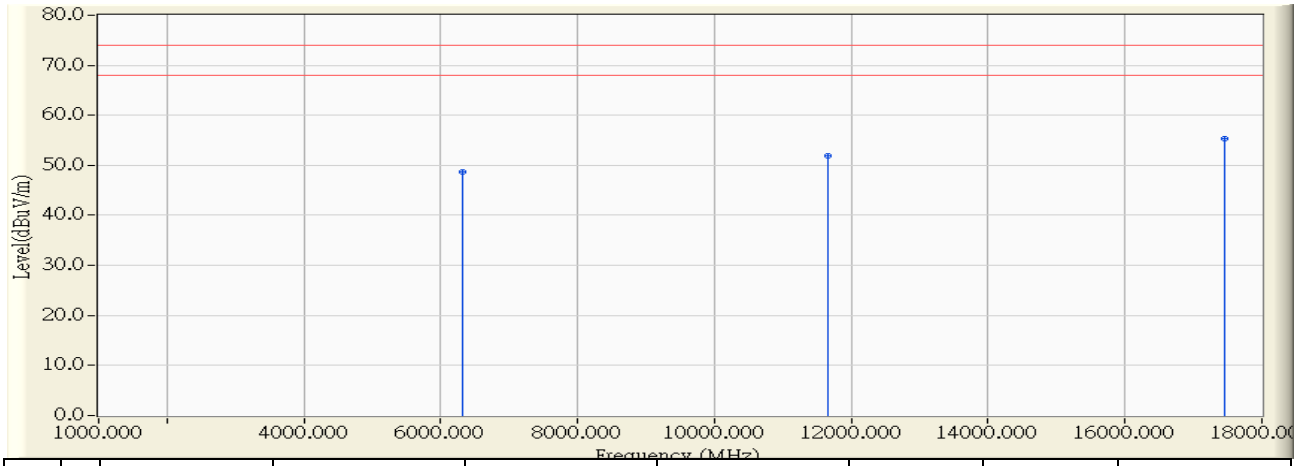


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11572.740	10.642	37.570	48.212	-5.788	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2016/03/20 - 19:25**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11a_5825MHz**

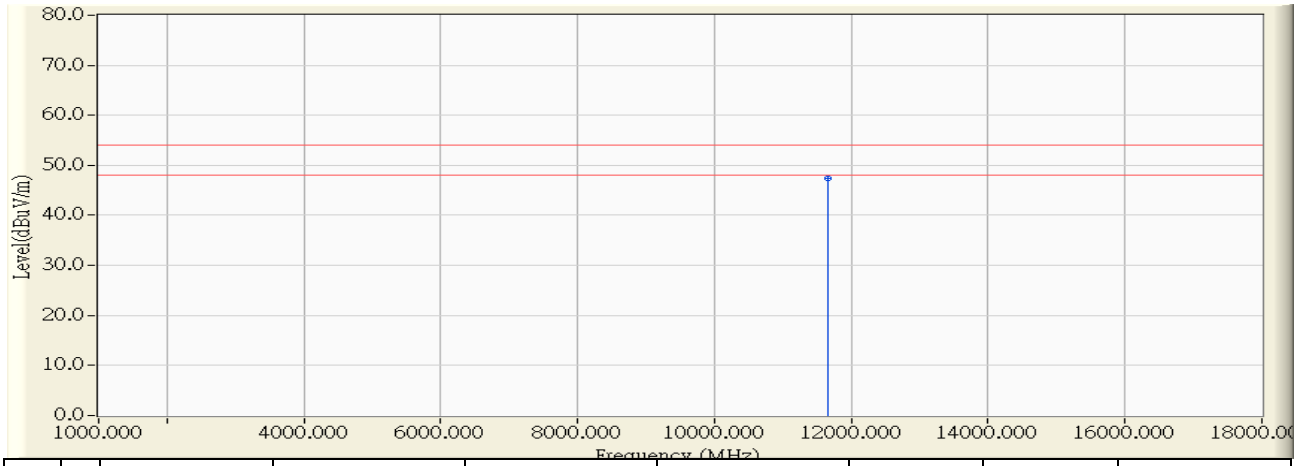


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		6310.325	2.418	46.200	48.618	-25.382	74.000	PEAK
2		11651.025	10.840	40.970	51.810	-22.190	74.000	PEAK
3	*	17463.225	15.456	39.810	55.266	-18.734	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/03/20 - 19:28**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11a_5825MHz**

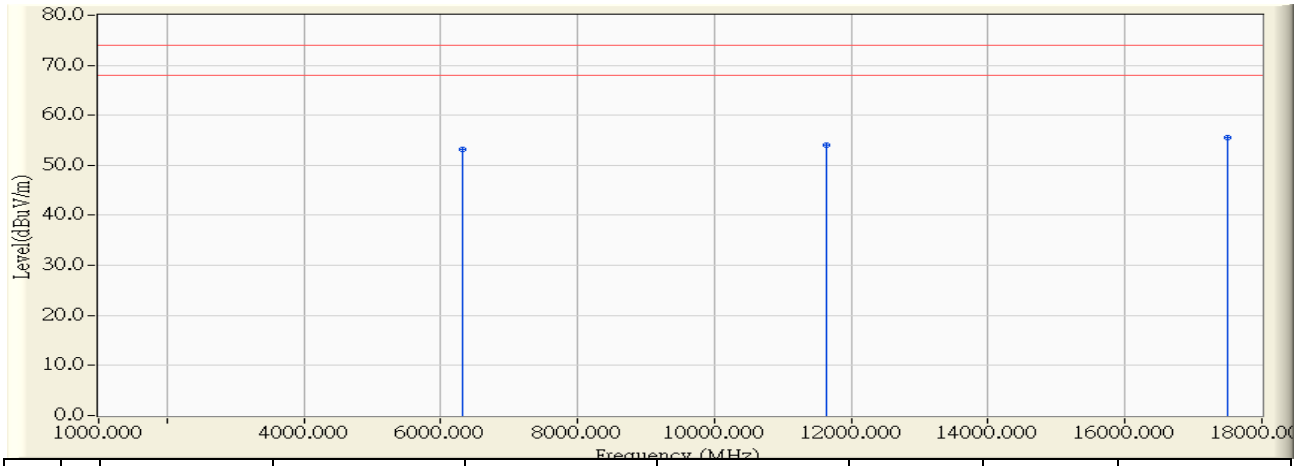


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11649.320	10.843	36.480	47.322	-6.678	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2016/03/20 - 19:35**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11a_5825MHz**

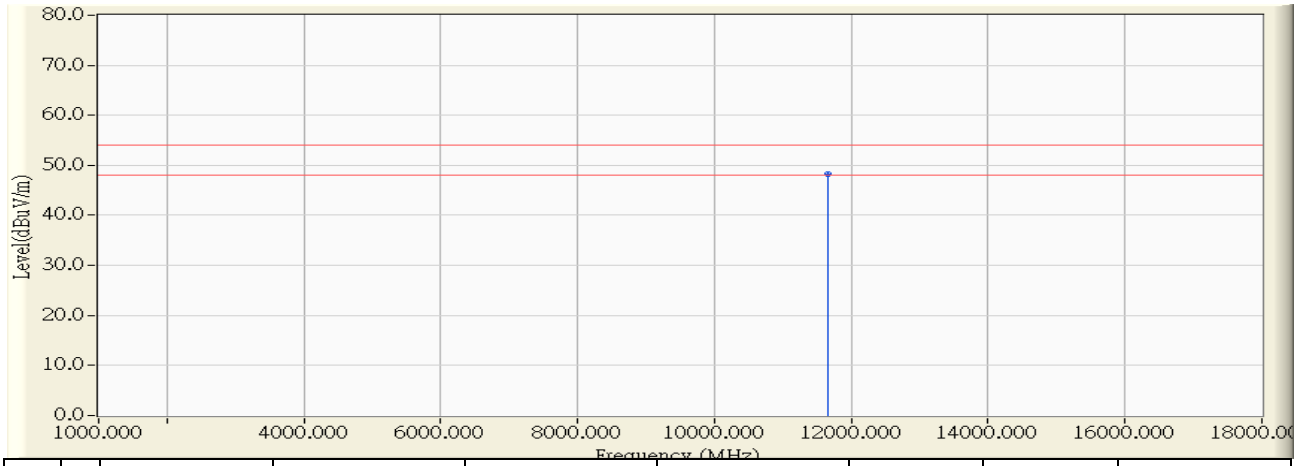


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		6311.575	2.260	50.900	53.160	-20.840	74.000	PEAK
2		11646.750	10.513	43.570	54.083	-19.917	74.000	PEAK
3	*	17491.650	15.658	39.970	55.629	-18.371	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/03/20 - 19:40**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11a_5825MHz**

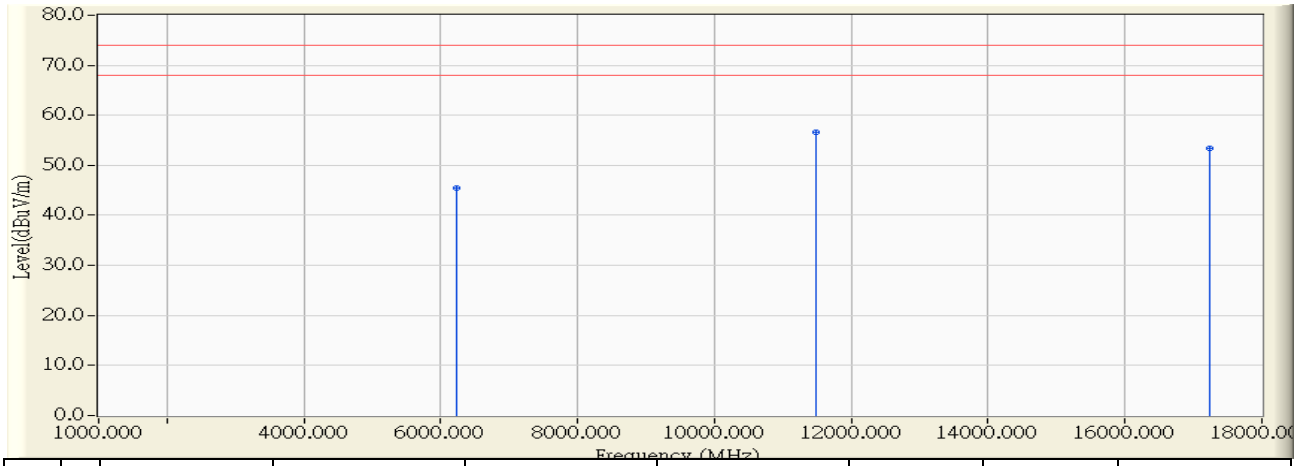


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11649.980	10.508	37.840	48.348	-5.652	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2016/03/20 - 19:44**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M)_5745MHz**

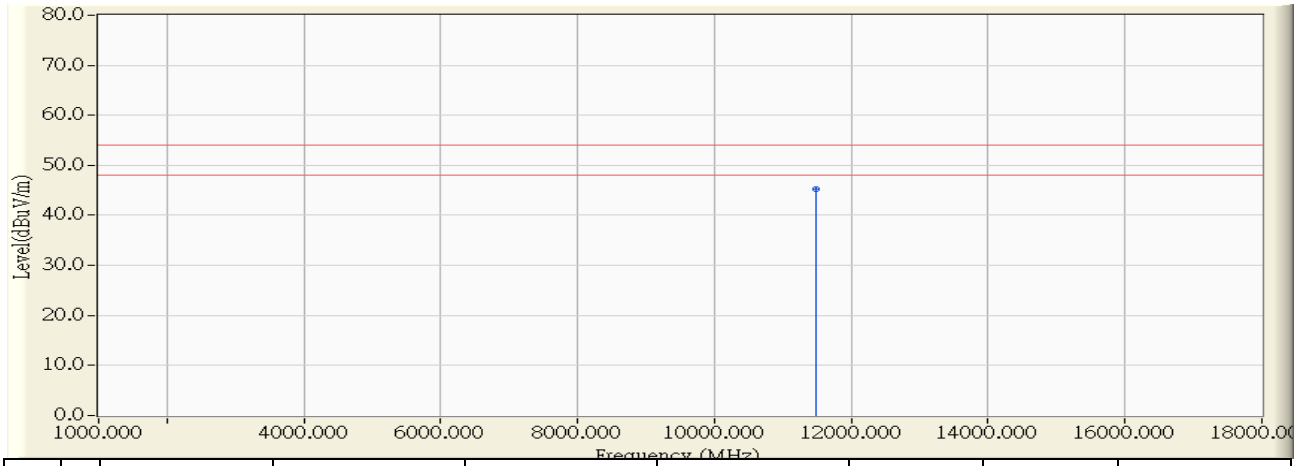


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		6224.300	2.004	43.530	45.534	-28.466	74.000	PEAK
2	*	11488.475	11.042	45.670	56.711	-17.289	74.000	PEAK
3		17240.000	14.385	38.950	53.336	-20.664	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/03/20 - 19:47**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M)_5745MHz**

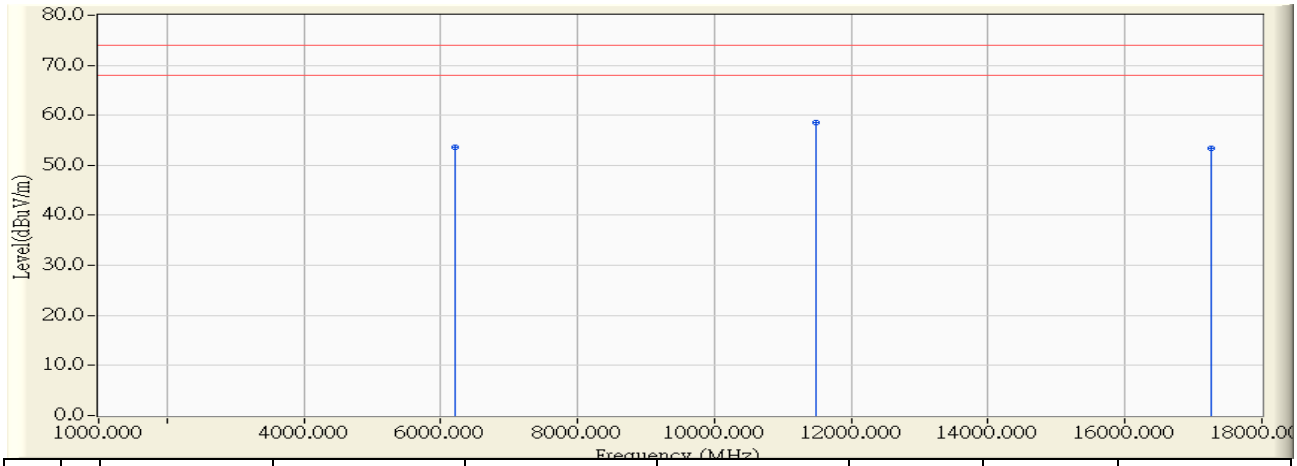


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11486.000	11.043	34.290	45.333	-8.667	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2016/03/20 - 19:56**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M)_5745MHz**

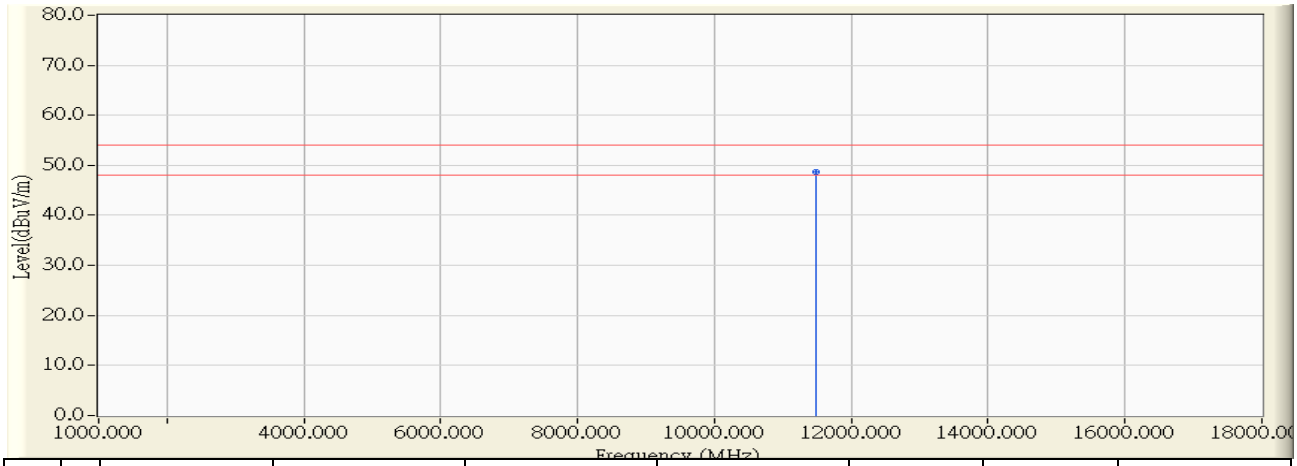


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		6218.525	1.858	51.810	53.669	-20.331	74.000	PEAK
2	*	11489.275	10.787	47.860	58.647	-15.353	74.000	PEAK
3		17251.100	14.439	38.920	53.359	-20.641	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/03/20 - 19:58**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M)_5745MHz**

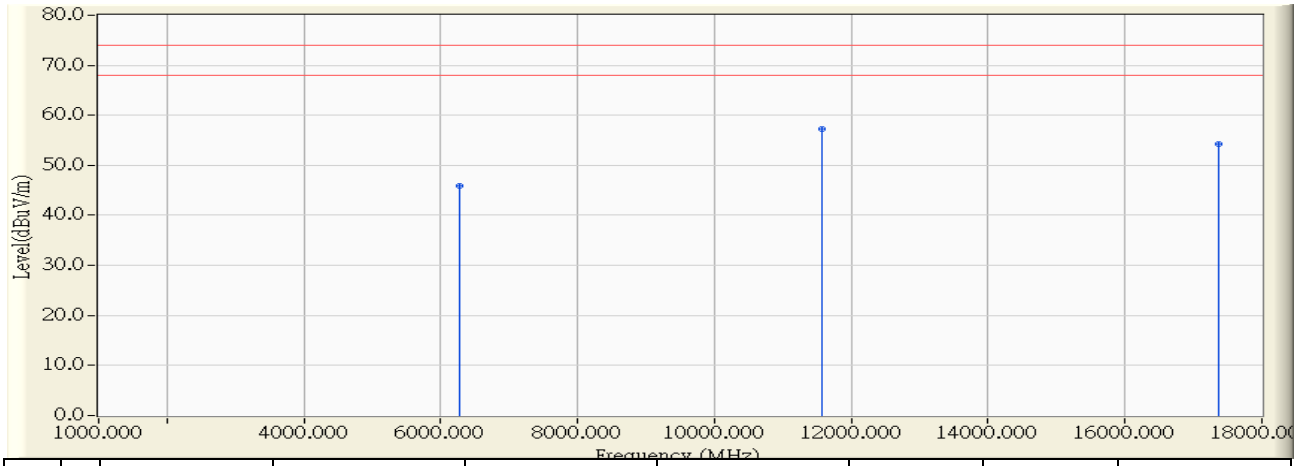


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11486.000	10.792	37.900	48.692	-5.308	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2016/03/20 - 20:06**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M)_5745MHz**

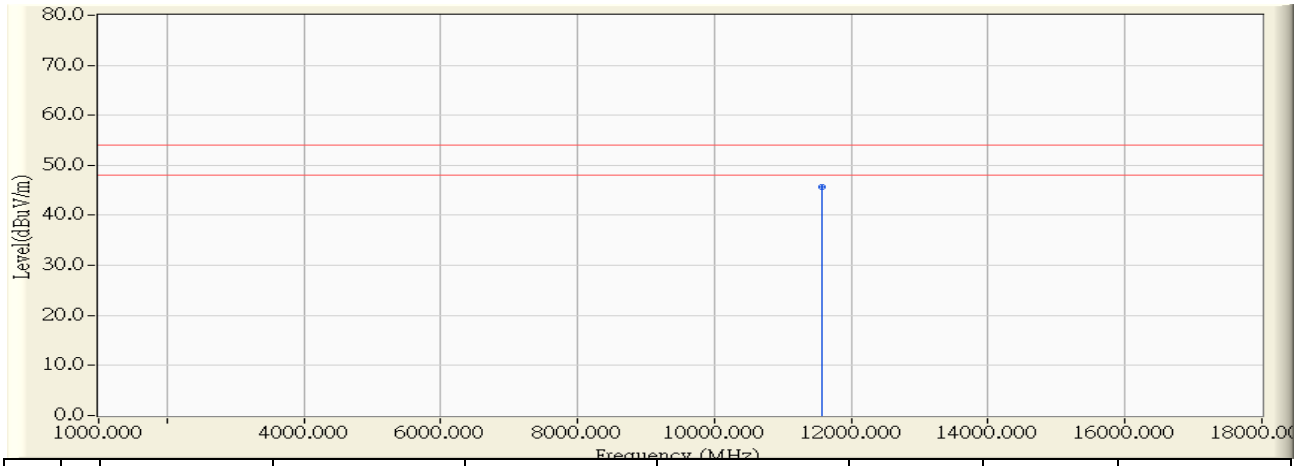


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		6266.125	2.205	43.700	45.905	-28.095	74.000	PEAK
2	*	11578.950	10.929	46.230	57.159	-16.841	74.000	PEAK
3		17358.325	14.953	39.380	54.333	-19.667	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/03/20 - 20:11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M)_5785MHz**

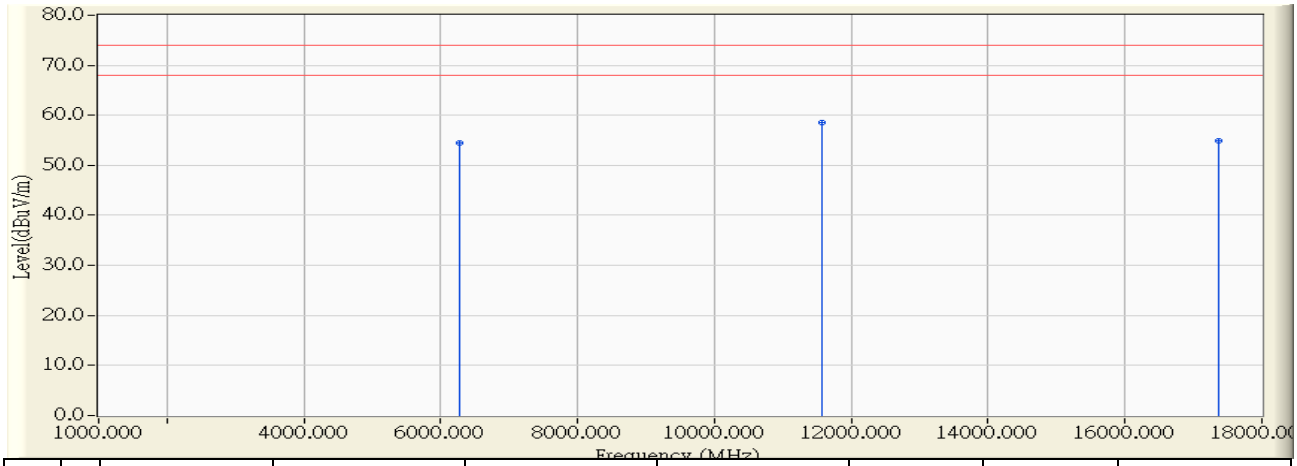


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11572.580	10.937	34.730	45.667	-8.333	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2016/03/20 - 20:16**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M)_5785MHz**

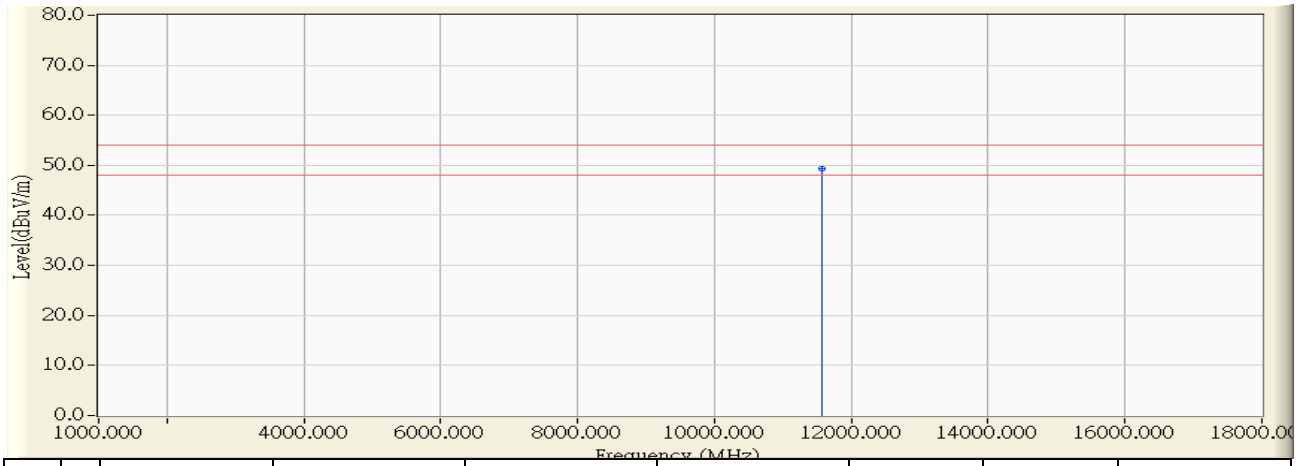


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		6265.450	2.061	52.410	54.471	-19.529	74.000	PEAK
2	*	11568.575	10.650	47.810	58.459	-15.541	74.000	PEAK
3		17373.600	15.027	39.910	54.936	-19.064	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/03/20 - 20:20**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M)_5785MHz**

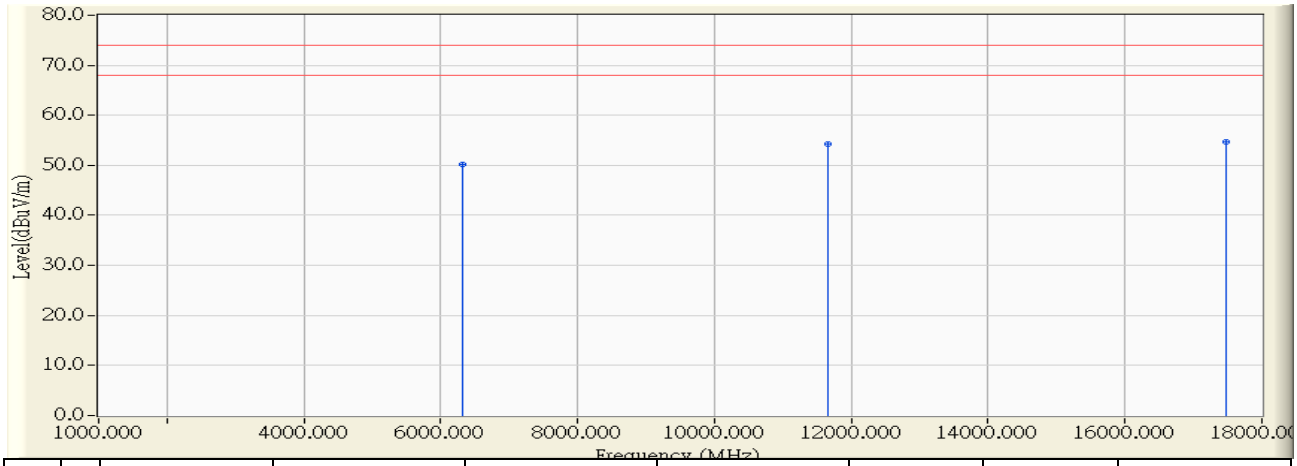


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11572.020	10.643	38.690	49.333	-4.667	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2016/03/20 - 20:21**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M)_5825MHz**

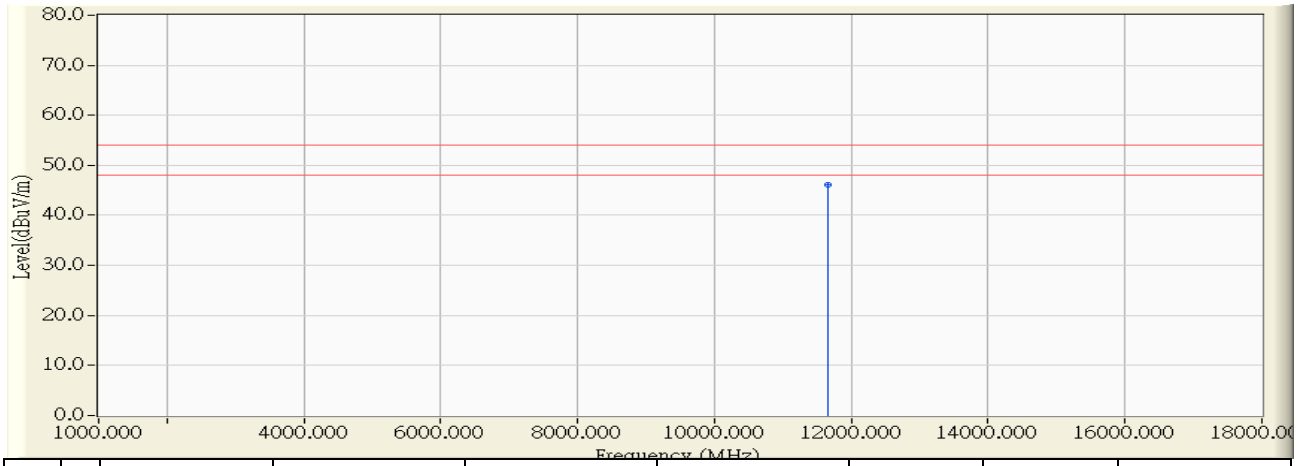


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		6309.050	2.412	47.700	50.112	-23.888	74.000	PEAK
2		11648.825	10.843	43.330	54.173	-19.827	74.000	PEAK
3	*	17467.000	15.474	39.300	54.774	-19.226	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/03/20 - 20:25**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M)_5825MHz**

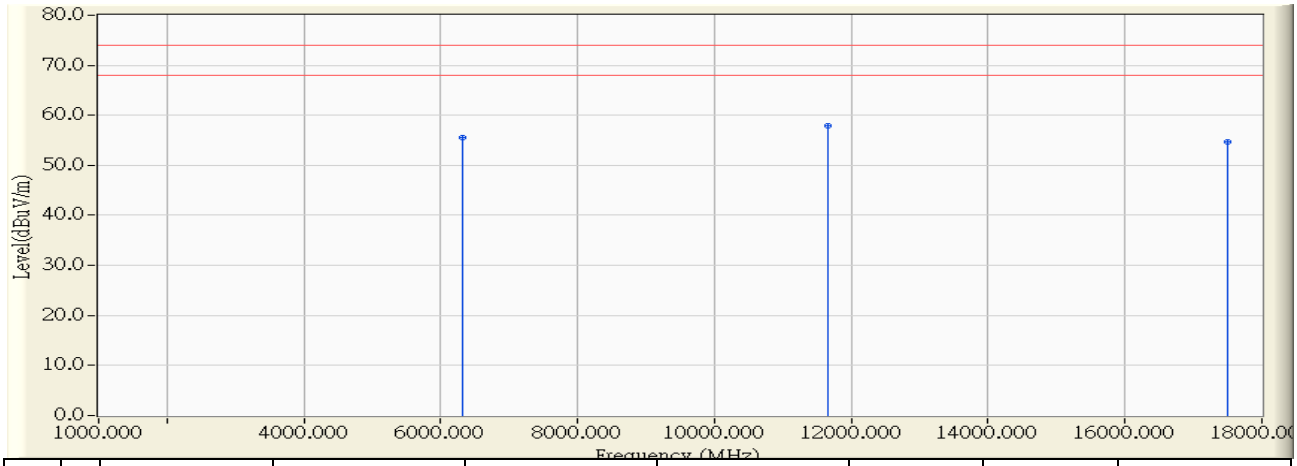


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11650.540	10.840	35.320	46.161	-7.839	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2016/03/20 - 20:32**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M)_5825MHz**

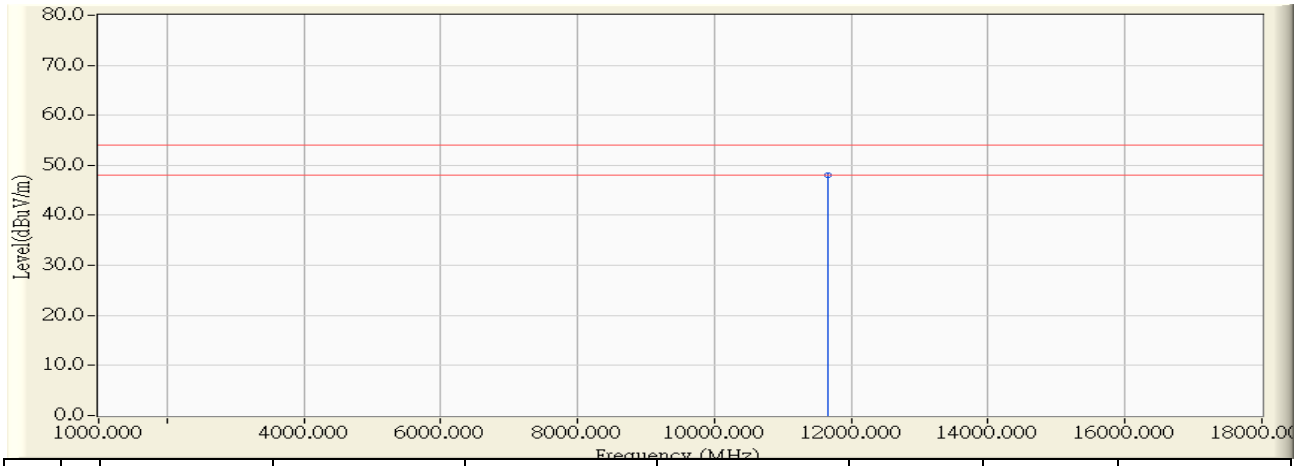


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		6309.325	2.250	53.270	55.520	-18.480	74.000	PEAK
2	*	11652.000	10.504	47.430	57.934	-16.066	74.000	PEAK
3		17494.500	15.693	38.970	54.664	-19.336	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/03/20 - 20:40**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M)_5825MHz**

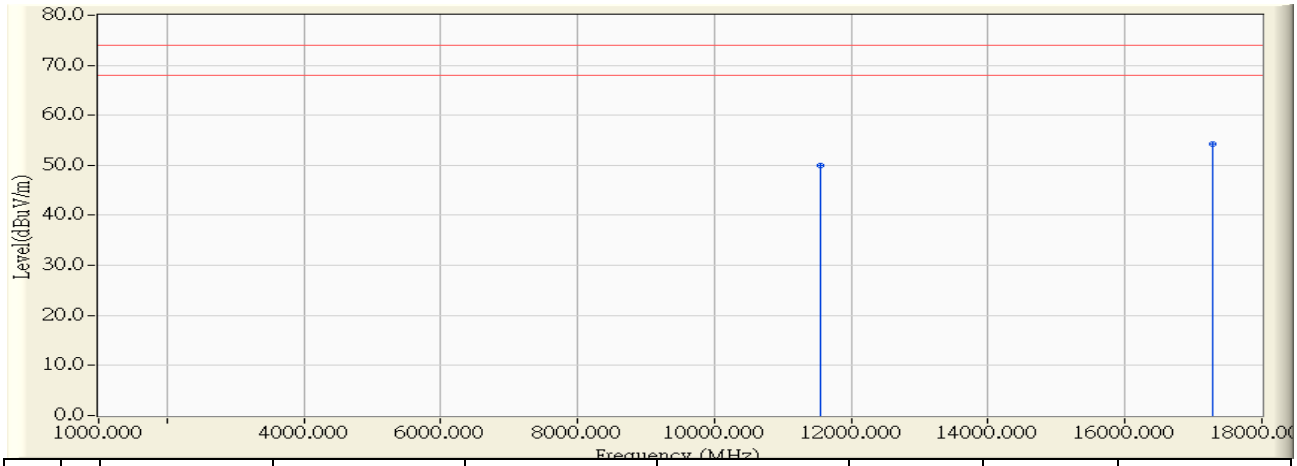


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11651.540	10.505	37.620	48.125	-5.875	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2016/03/20 - 20:48**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(40M)_5755MHz**

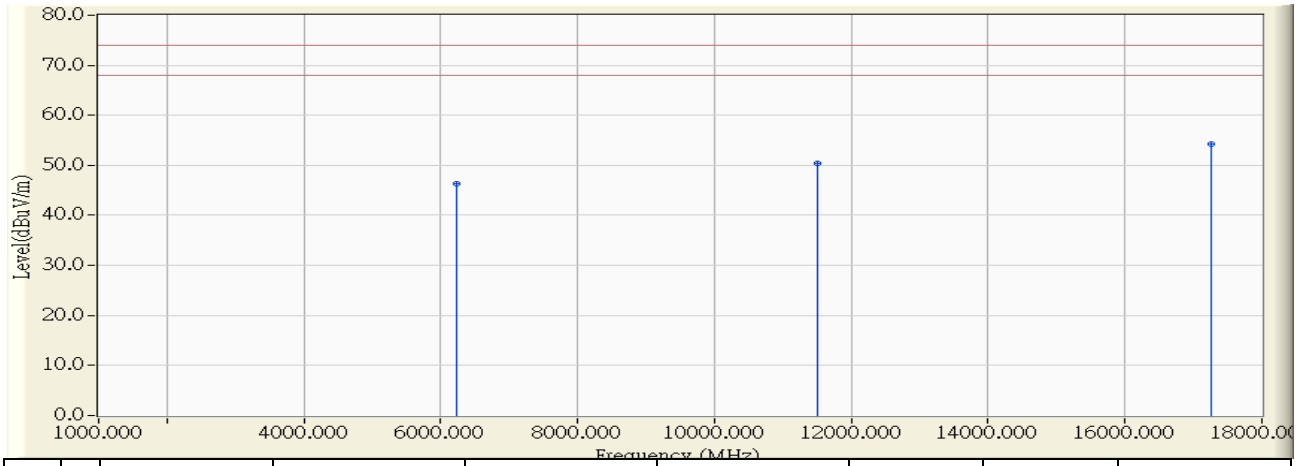


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11547.200	10.969	38.970	49.939	-24.061	74.000	PEAK
2	*	17289.350	14.623	39.680	54.302	-19.698	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/03/20 - 20:56**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(40M)_5755MHz**

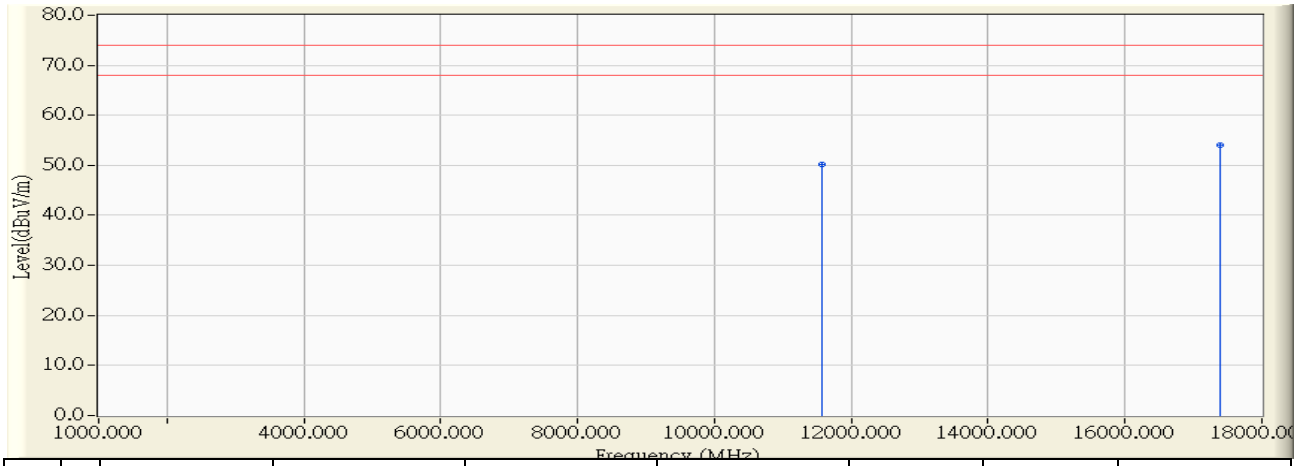


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		6234.550	1.927	44.310	46.238	-27.762	74.000	PEAK
2		11502.000	10.765	39.680	50.445	-23.555	74.000	PEAK
3	*	17253.550	14.450	39.830	54.281	-19.719	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/03/20 - 21:03**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(40M)_5795MHz**

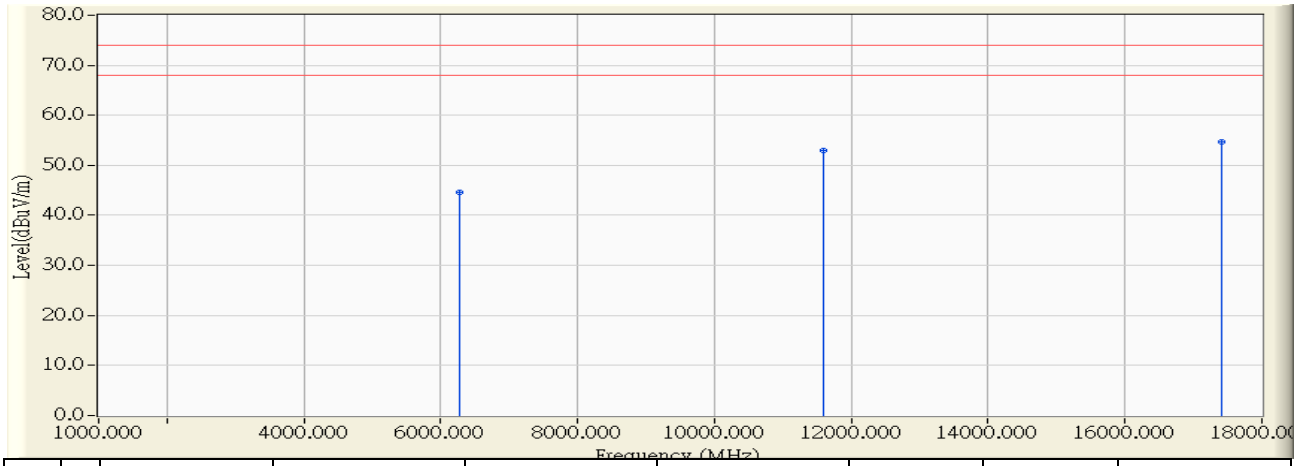


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11576.875	10.931	39.200	50.132	-23.868	74.000	PEAK
2	*	17386.450	15.087	38.990	54.078	-19.922	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/03/20 - 21:08**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(40M)_5795MHz**

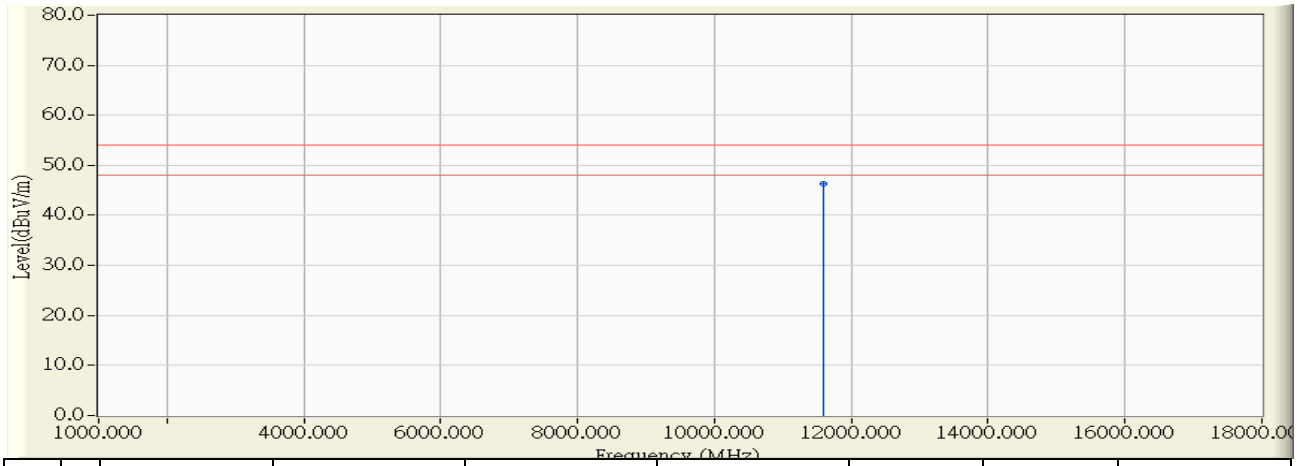


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		6278.020	2.115	42.510	44.625	-29.375	74.000	PEAK
2		11593.425	10.606	42.370	52.976	-21.024	74.000	PEAK
3	*	17408.700	15.195	39.580	54.775	-19.225	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/03/20 - 21:12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(40M)_5795MHz**

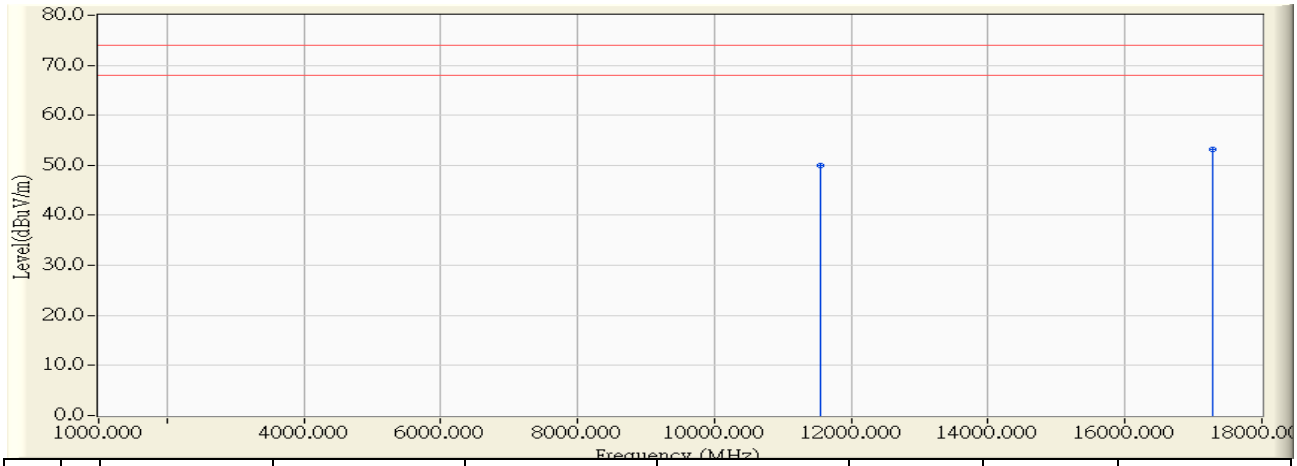


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11589.200	10.614	35.800	46.413	-7.587	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2016/03/20 - 21:19**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11ac(80M)_5775MHz**

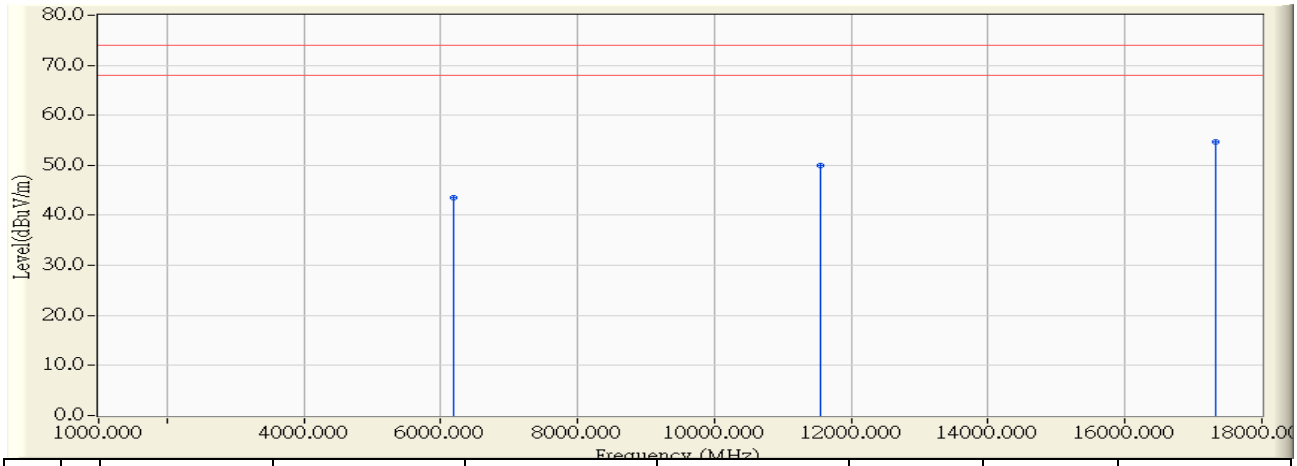


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11550.250	10.965	38.970	49.935	-24.065	74.000	PEAK
2	*	17276.850	14.562	38.600	53.162	-20.838	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/03/20 - 21:28**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11ac(80M)_5775MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		6181.000	1.697	41.890	43.587	-30.413	74.000	PEAK
2		11539.500	10.700	39.240	49.940	-24.060	74.000	PEAK
3	*	17329.300	14.813	39.910	54.724	-19.276	74.000	PEAK

Note:

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

7. Band Edge

7.1. Test Equipment

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

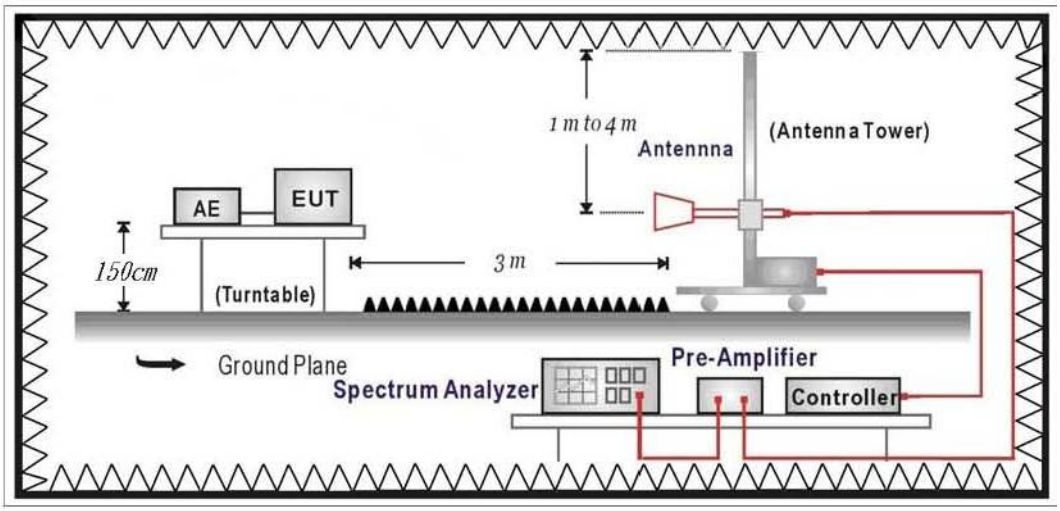
Band Edge / CB1

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Double Ridged Guide Horn Antenna	Schwarzbeck	BBHA 9120	D743	2017/01/14
Spectrum Analyzer	Agilent	E4440A	MY46187335	2016/12/24
k Type Cable	Huber+Suhner	SF 102	25623/2	2017/01/11

Note: All equipments 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**

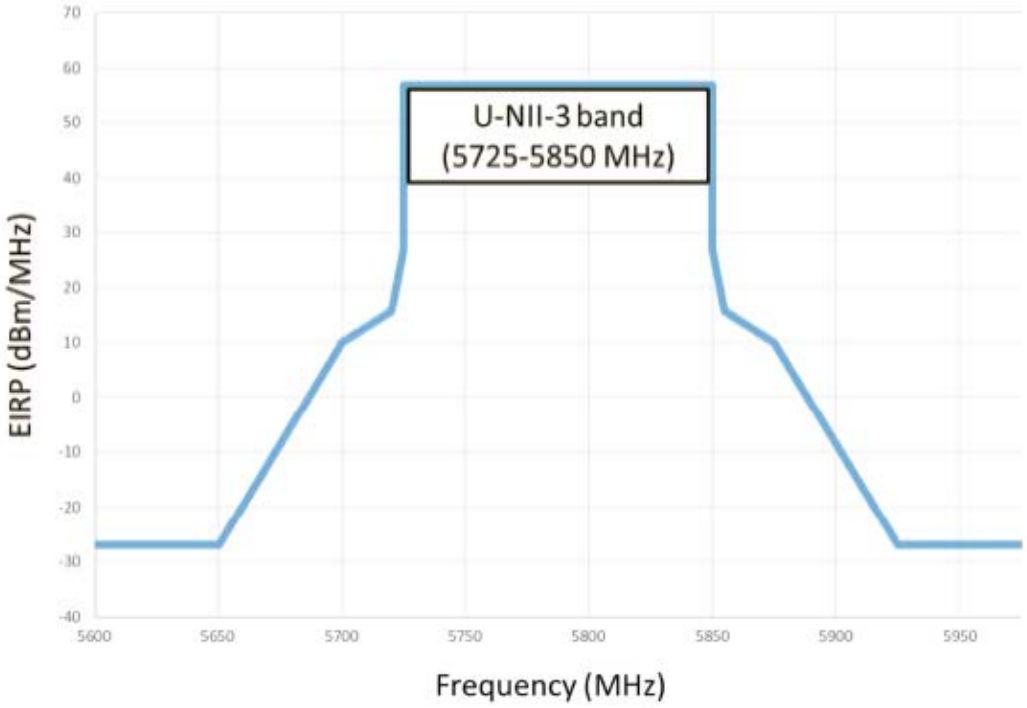
FCC Part 15 Subpart E Paragraph 15.407(b) Limits		
Frequency (MHz)	EIRP Limit (dBm)	Equivalent Field Strength (dBuV/m@3m)
5150~5250	-27	68.3
5250~5350	-27	68.3
5470~5725	-27	68.3

Remark:

1. uV/m = $\frac{1000000\sqrt{30 \times EIRP}}{3}$, RF Voltage (dBuV/m) = 20 log RF Voltage (uV/m)

For transmitters operating in the 5.725-5.85 GHz band:

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 27



7.4. Test Procedure

The EUT and its simulators are placed on a turn table which is 1.5 meter above ground.

The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

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

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

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

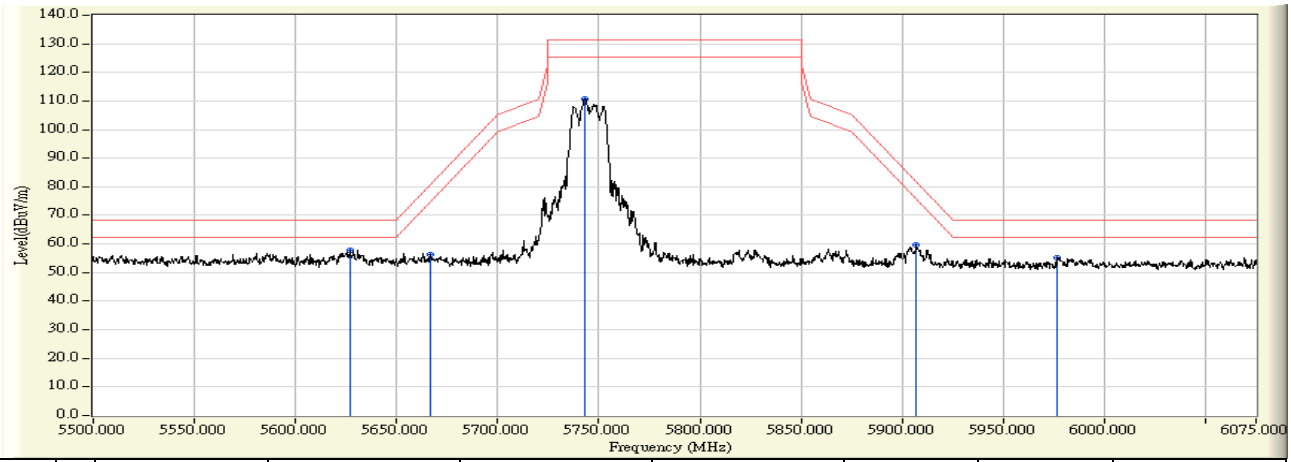
7.5. Uncertainty

The measurement uncertainty is defined as ± 3.65dB

7.6. Test Result

Radiated is defined as

Site : CB1	**Time : 2016/03/16 - 22:53**
Limit : FCC_Part15E_2016_B4_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11a_5745MHz**

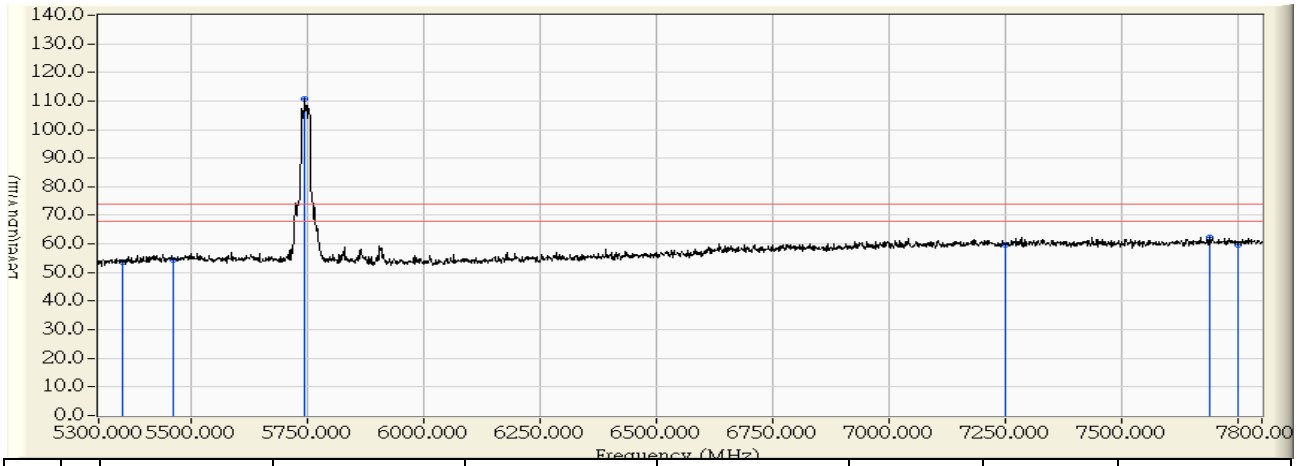


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5626.788	1.700	56.052	57.751	-10.449	68.200	PEAK
2		5667.038	1.603	54.534	56.137	-24.671	80.808	PEAK
3		5742.938	1.420	109.472	110.892	-20.308	131.200	PEAK
4		5907.100	1.026	58.479	59.504	-21.942	81.446	PEAK
5		5976.963	0.857	54.421	55.279	-12.921	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 : CB1	**Time : 2016/03/16 - 22:54**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11a_5745MHz**

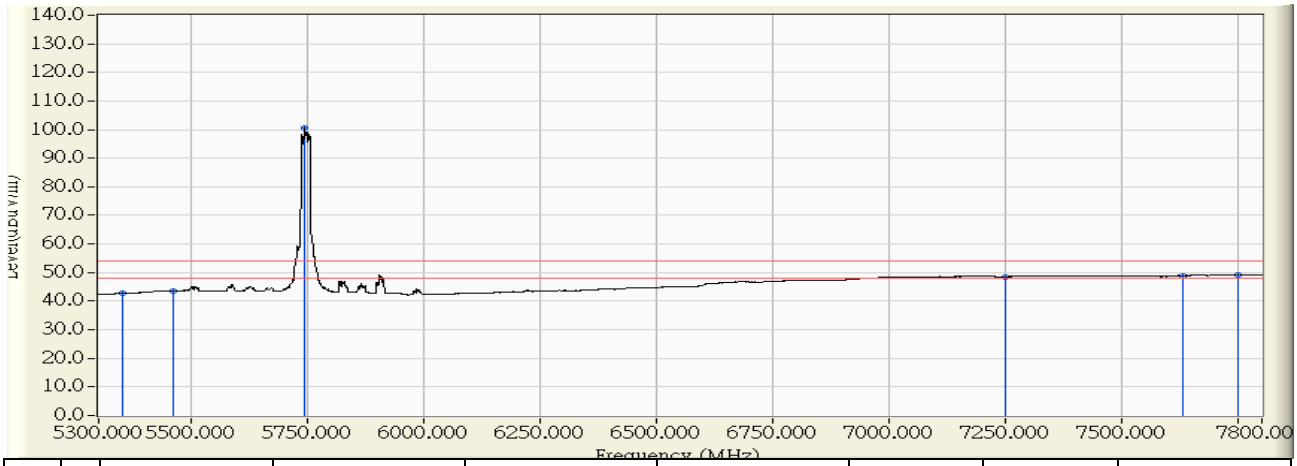


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	0.934	52.758	53.692	-20.308	74.000	PEAK
2		5460.000	1.853	52.577	54.430	-19.570	74.000	PEAK
3	*	5743.750	1.418	109.234	110.652	36.652	74.000	PEAK
4		7250.000	5.954	53.603	59.556	-14.444	74.000	PEAK
5		7688.750	6.737	55.409	62.146	-11.854	74.000	PEAK
6		7750.000	6.833	53.003	59.837	-14.163	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 : CB1	**Time : 2016/03/16 - 22:56**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11a_5745MHz**

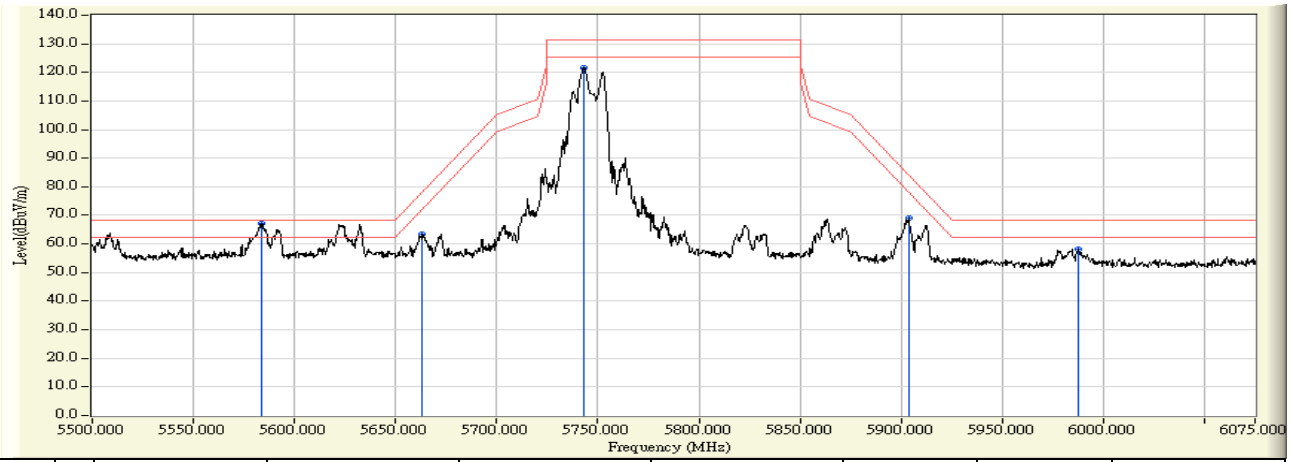


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	0.934	41.770	42.704	-11.296	54.000	AVERAGE
2		5460.000	1.853	41.812	43.665	-10.335	54.000	AVERAGE
3	*	5743.750	1.418	99.049	100.467	46.467	54.000	AVERAGE
4		7250.000	5.954	42.556	48.509	-5.491	54.000	AVERAGE
5		7628.750	6.642	42.300	48.942	-5.058	54.000	AVERAGE
6		7750.000	6.833	42.370	49.204	-4.796	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 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 : CB1	**Time : 2016/03/16 - 22:43**
Limit : FCC_Part15E_2016_B4_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11a_5745MHz**

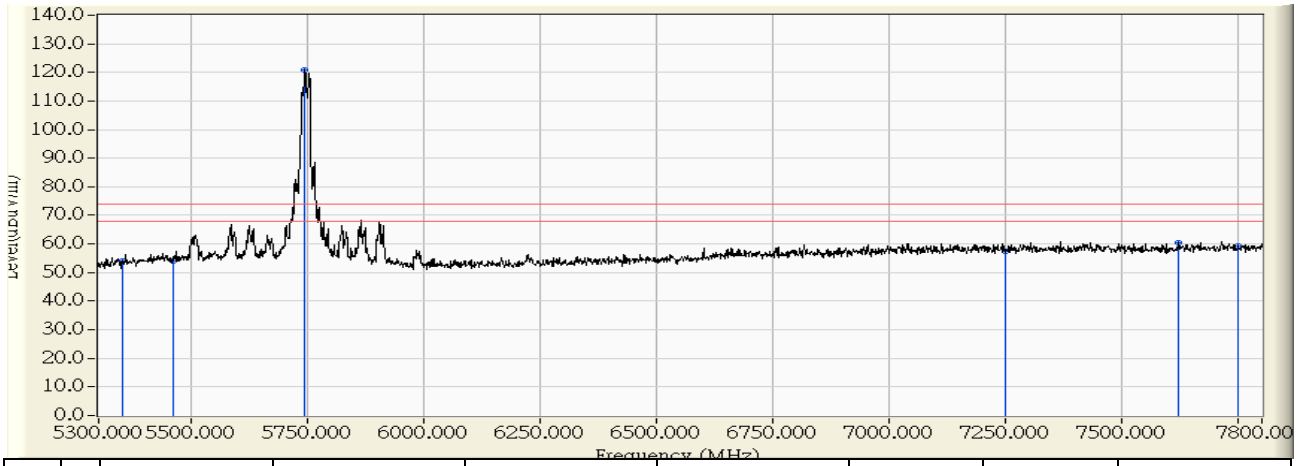


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5583.375	2.004	65.194	67.198	-1.002	68.200	PEAK
2		5662.725	1.773	61.701	63.474	-14.143	77.617	PEAK
3		5743.225	1.539	120.017	121.556	-9.644	131.200	PEAK
4		5903.650	1.074	68.103	69.176	-14.823	83.999	PEAK
5		5987.600	0.872	57.357	58.229	-9.971	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 : CB1	**Time : 2016/03/16 - 22:44**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11a_5745MHz**

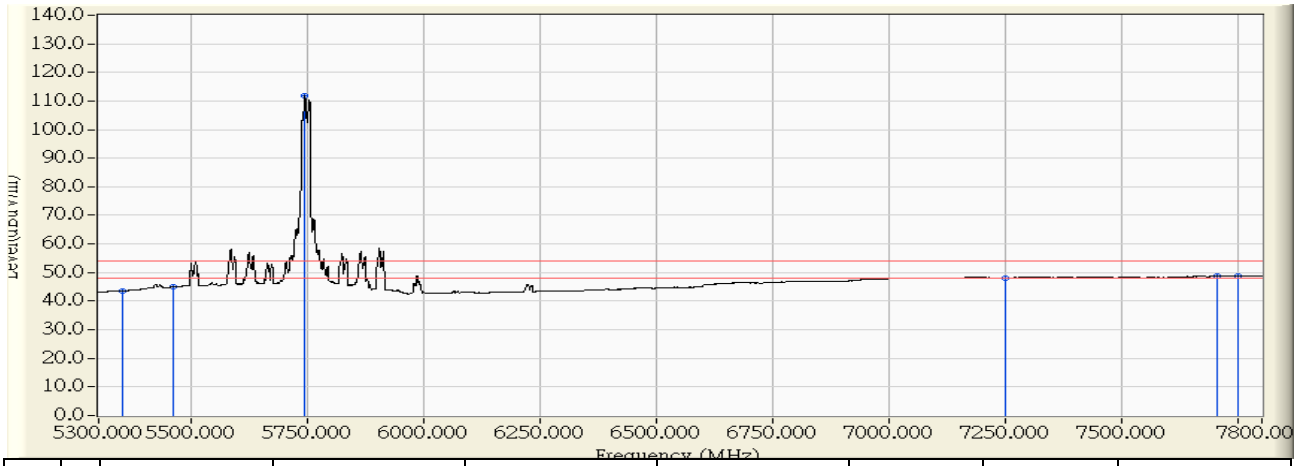


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	1.250	52.887	54.137	-19.863	74.000	PEAK
2		5460.000	2.114	51.966	54.080	-19.920	74.000	PEAK
3	*	5743.750	1.537	119.390	120.928	46.928	74.000	PEAK
4		7250.000	5.454	52.143	57.596	-16.404	74.000	PEAK
5		7621.250	6.131	54.375	60.505	-13.495	74.000	PEAK
6		7750.000	6.333	52.985	59.319	-14.681	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 : CB1	**Time : 2016/03/16 - 22:46**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11a_5745MHz**

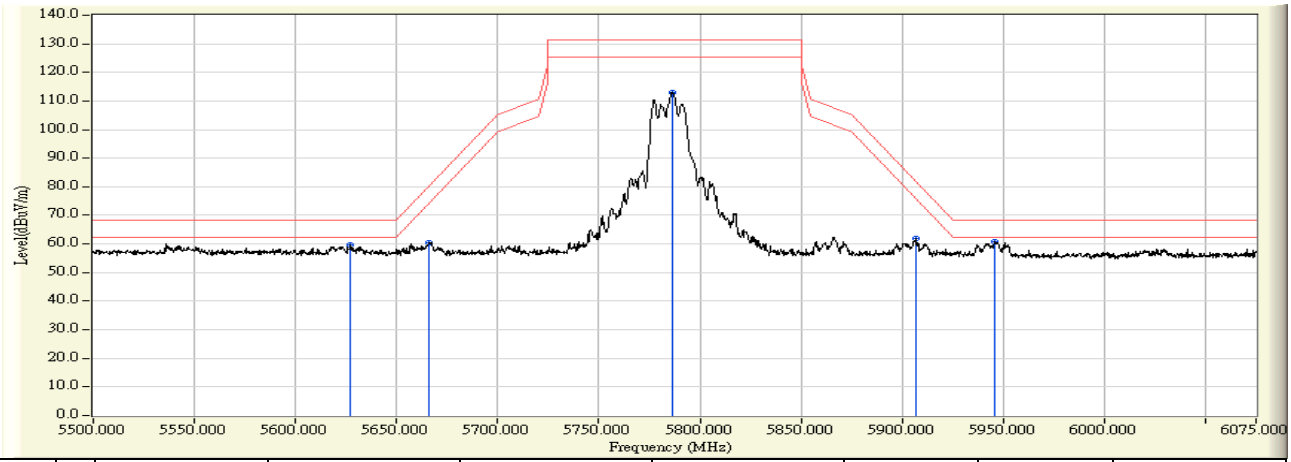


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	1.250	42.364	43.614	-10.386	54.000	AVERAGE
2		5460.000	2.114	42.811	44.925	-9.075	54.000	AVERAGE
3	*	5743.750	1.537	110.157	111.695	57.695	54.000	AVERAGE
4		7250.000	5.454	42.595	48.048	-5.952	54.000	AVERAGE
5		7703.750	6.261	42.482	48.743	-5.257	54.000	AVERAGE
6		7750.000	6.333	42.404	48.738	-5.262	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 : CB1	**Time : 2016/03/17 - 10:19**
Limit : FCC_Part15E_2016_B4_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11a_5785MHz**

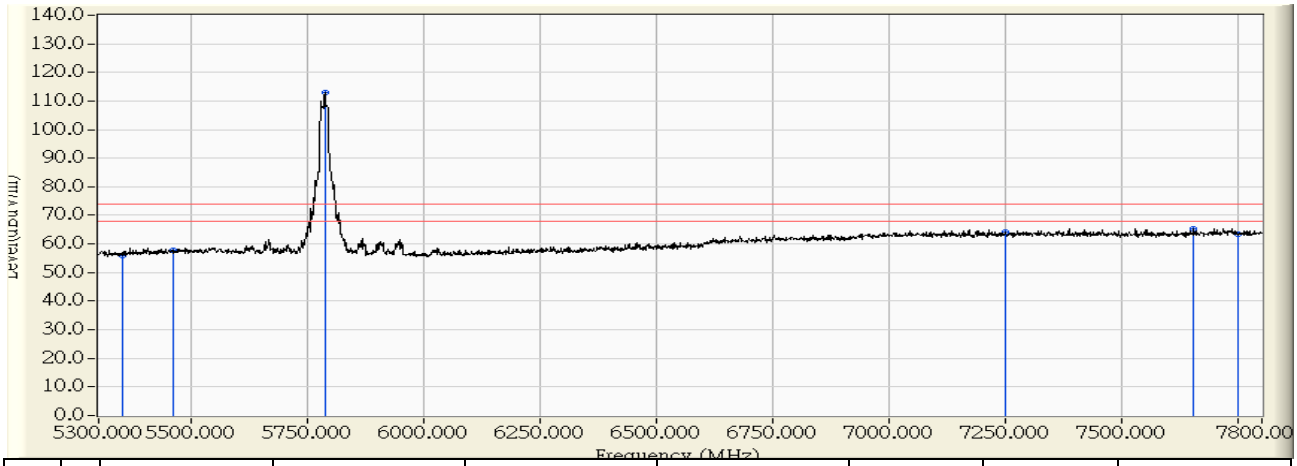


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5627.363	1.698	57.810	59.508	-8.692	68.200	PEAK
2		5665.888	1.605	58.945	60.550	-19.407	79.957	PEAK
3		5786.063	1.317	111.609	112.925	-18.275	131.200	PEAK
4		5906.525	1.026	61.024	62.051	-19.821	81.872	PEAK
5	*	5945.913	0.932	59.819	60.751	-7.449	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 : CB1	**Time : 2016/03/17 - 10:21**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11a_5785MHz**

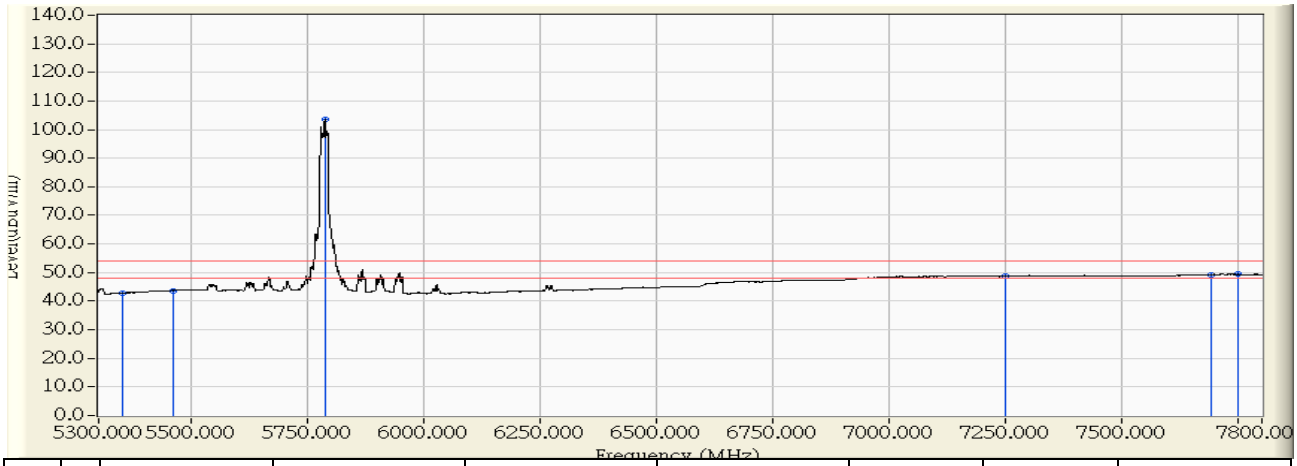


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	0.934	55.165	56.099	-17.901	74.000	PEAK
2		5460.000	1.853	55.797	57.650	-16.350	74.000	PEAK
3	*	5786.250	1.316	111.496	112.812	38.812	74.000	PEAK
4		7250.000	5.954	58.050	64.003	-9.997	74.000	PEAK
5		7652.500	6.679	58.593	65.273	-8.727	74.000	PEAK
6		7750.000	6.833	56.739	63.573	-10.427	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 : CB1	**Time : 2016/03/17 - 10:23**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11a_5785MHz**

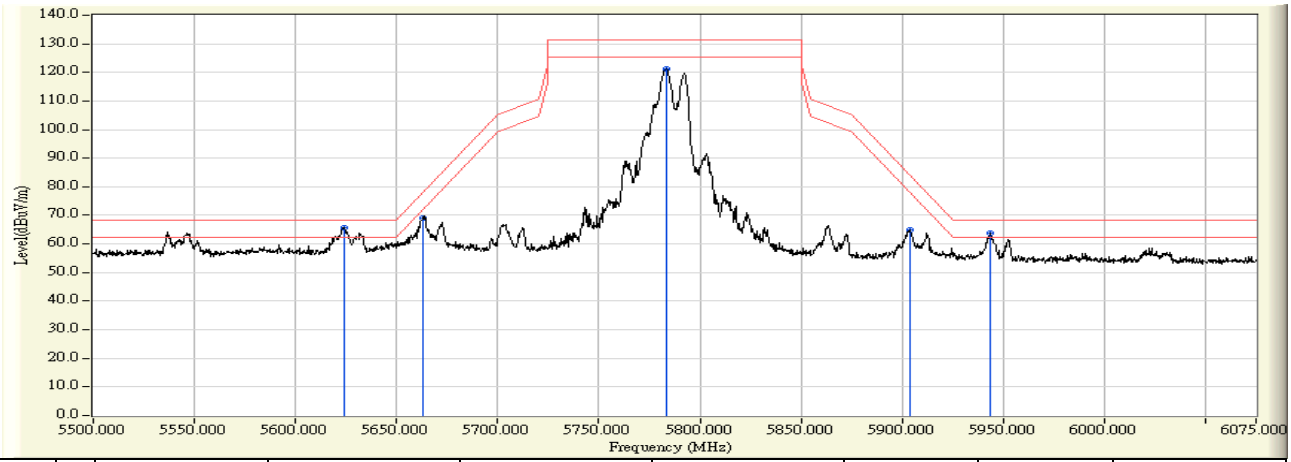


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	0.934	41.913	42.847	-11.153	54.000	AVERAGE
2		5460.000	1.853	41.833	43.686	-10.314	54.000	AVERAGE
3	*	5786.250	1.316	102.102	103.418	49.418	54.000	AVERAGE
4		7250.000	5.954	42.666	48.619	-5.381	54.000	AVERAGE
5		7690.000	6.739	42.555	49.294	-4.706	54.000	AVERAGE
6		7750.000	6.833	42.537	49.371	-4.629	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 : CB1	**Time : 2016/03/16 - 23:10**
Limit : FCC_Part15E_2016_B4_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11a_5785MHz**

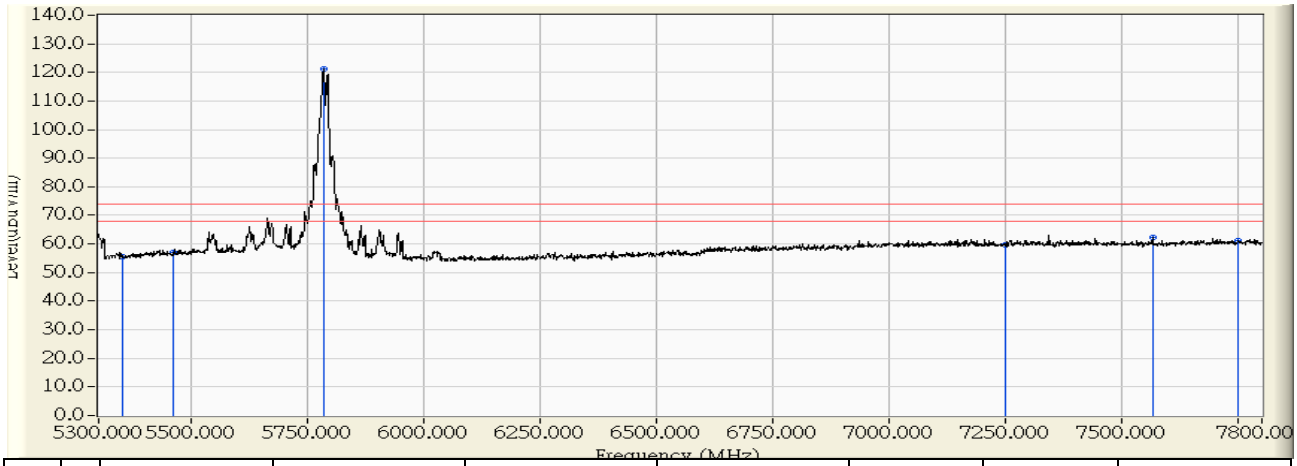


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5623.913	1.886	63.777	65.663	-2.537	68.200	PEAK
2		5663.013	1.772	67.425	60.550	-8.633	77.830	PEAK
3		5783.763	1.421	119.915	121.337	-9.863	131.200	PEAK
4		5903.650	1.074	63.891	64.964	-19.035	83.999	PEAK
5	*	5943.613	0.957	62.857	63.814	-4.386	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 : CB1	**Time : 2016/03/16 - 23:12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11a_5785MHz**

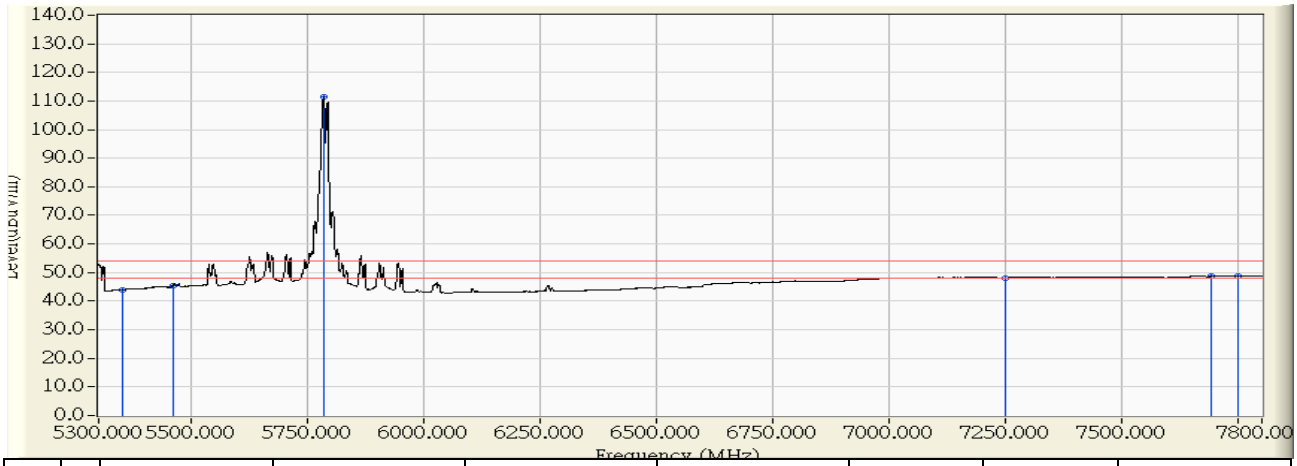


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	1.250	54.299	55.549	-18.451	74.000	PEAK
2		5460.000	2.114	54.916	57.030	-16.970	74.000	PEAK
3	*	5783.750	1.421	119.848	121.270	47.270	74.000	PEAK
4		7250.000	5.454	54.275	59.728	-14.272	74.000	PEAK
5		7565.000	6.041	56.089	62.131	-11.869	74.000	PEAK
6		7750.000	6.333	54.706	61.040	-12.960	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 : CB1	**Time : 2016/03/16 - 23:20**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11a_5785MHz**

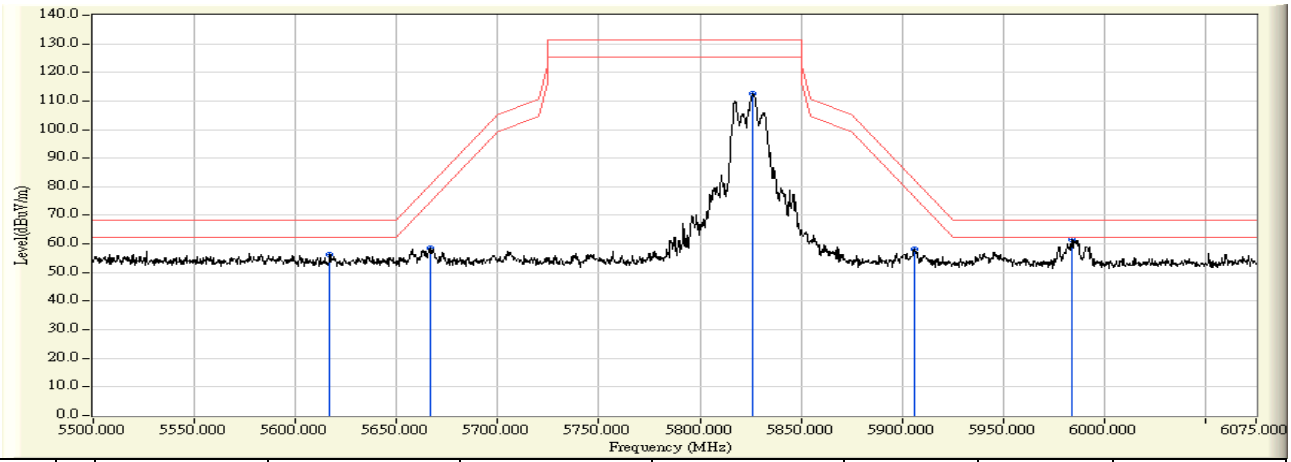


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	1.250	42.802	44.052	-9.948	54.000	AVERAGE
2		5460.000	2.114	43.264	45.378	-8.622	54.000	AVERAGE
3	*	5783.750	1.421	109.945	111.367	57.367	54.000	AVERAGE
4		7250.000	5.454	42.700	48.153	-5.847	54.000	AVERAGE
5		7691.250	6.241	42.476	48.717	-5.283	54.000	AVERAGE
6		7750.000	6.333	42.466	48.800	-5.200	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 : CB1	**Time : 2016/03/20 - 10:40**
Limit : FCC_Part15E_2016_B4_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11a_5825MHz**

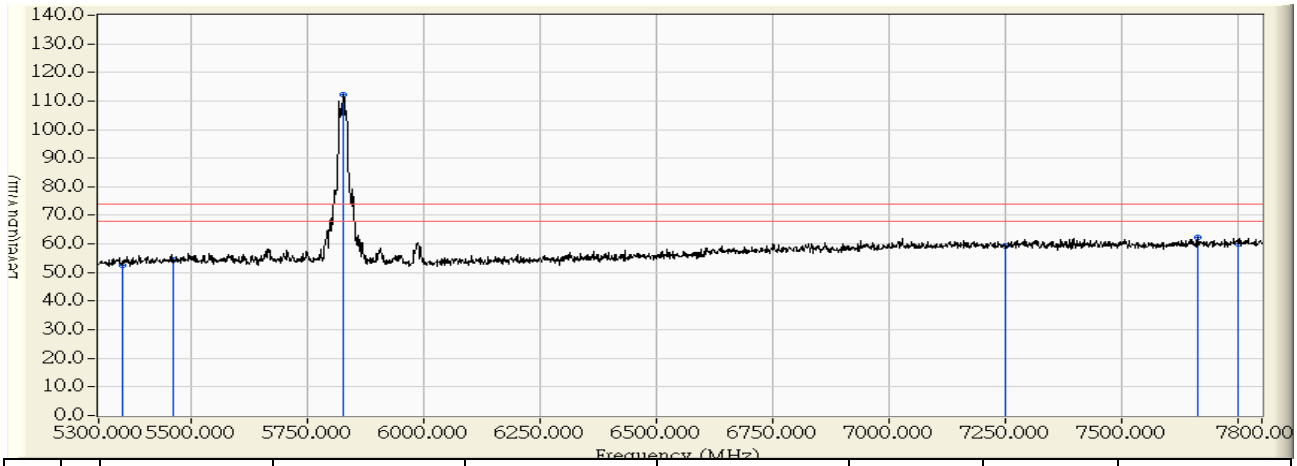


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5617.013	1.723	54.583	56.306	-11.894	68.200	PEAK
2		5666.463	1.604	56.830	60.550	-21.949	80.383	PEAK
3		5826.025	1.220	111.434	112.654	-18.546	131.200	PEAK
4		5905.950	1.028	57.071	58.099	-24.198	82.297	PEAK
5	*	5983.863	0.859	60.883	61.742	-6.458	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 : CB1	**Time : 2016/03/20 - 10:41**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11a_5825MHz**

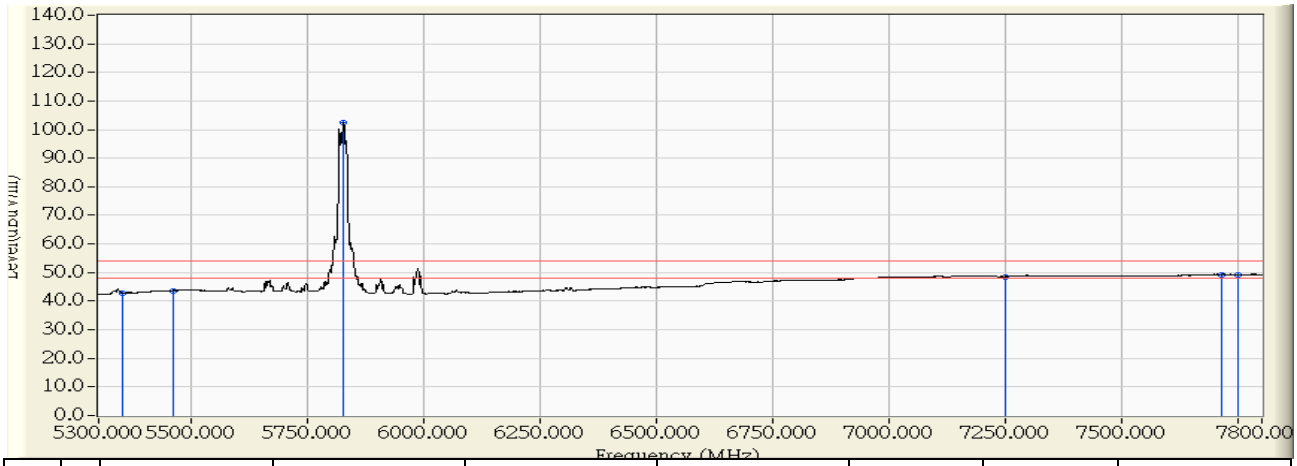


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	0.934	51.753	52.687	-21.313	74.000	PEAK
2		5460.000	1.853	52.471	54.324	-19.676	74.000	PEAK
3	*	5826.250	1.220	111.179	112.399	38.399	74.000	PEAK
4		7250.000	5.954	53.178	59.131	-14.869	74.000	PEAK
5		7663.750	6.698	55.485	62.183	-11.817	74.000	PEAK
6		7750.000	6.833	53.287	60.121	-13.879	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 : CB1	**Time : 2016/03/20 - 10:46**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11a_5825MHz**

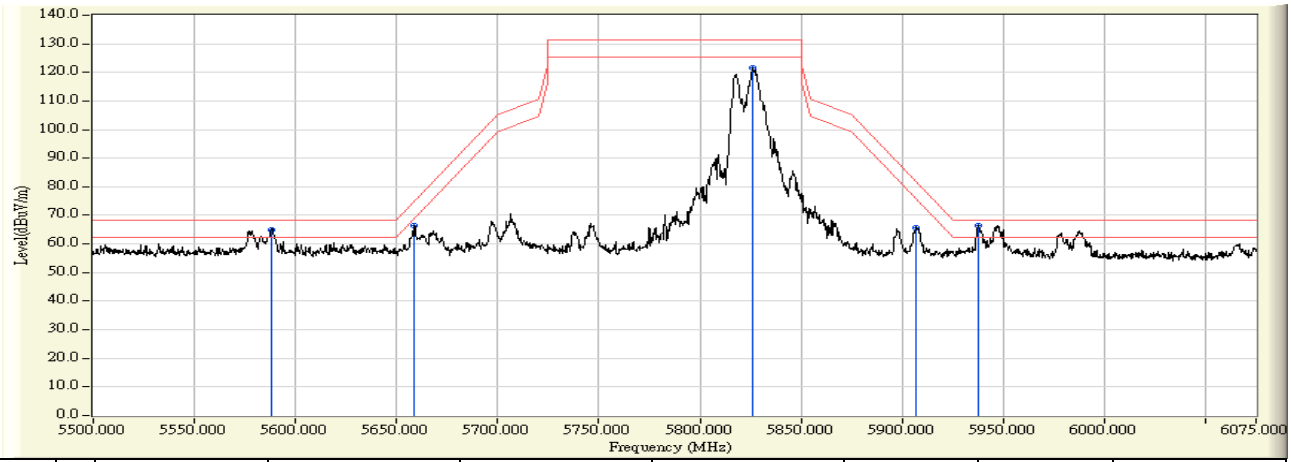


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	0.934	41.883	42.817	-11.183	54.000	AVERAGE
2		5460.000	1.853	41.850	43.703	-10.297	54.000	AVERAGE
3	*	5826.250	1.220	101.132	102.352	48.352	54.000	AVERAGE
4		7250.000	5.954	42.648	48.601	-5.399	54.000	AVERAGE
5		7712.500	6.774	42.537	49.312	-4.688	54.000	AVERAGE
6		7750.000	6.833	42.454	49.288	-4.712	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 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 : CB1	**Time : 2016/03/20 - 10:24**
Limit : FCC_Part15E_2016_B4_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11a_5825MHz**

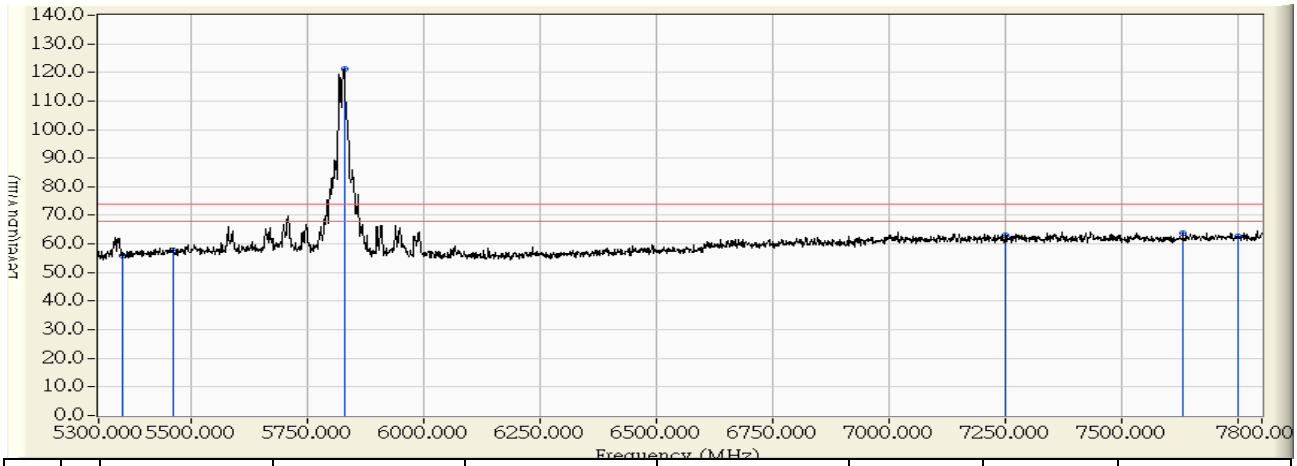


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5587.975	1.991	63.091	65.081	-3.119	68.200	PEAK
2		5658.988	1.784	64.818	60.550	-8.249	74.851	PEAK
3		5826.313	1.298	120.179	121.477	-9.723	131.200	PEAK
4		5906.813	1.065	64.564	65.628	-16.030	81.658	PEAK
5	*	5937.575	0.975	65.601	66.576	-1.624	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 : CB1	**Time : 2016/03/20 - 10:25**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11a_5825MHz**

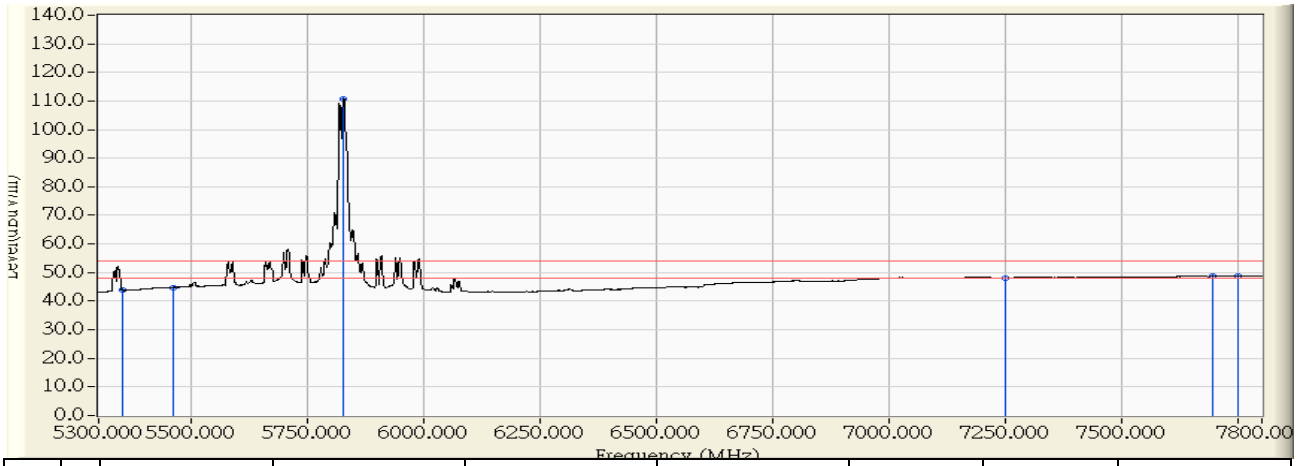


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	1.250	54.509	55.759	-18.241	74.000	PEAK
2		5460.000	2.114	55.638	57.752	-16.248	74.000	PEAK
3	*	5827.500	1.294	119.914	121.209	47.209	74.000	PEAK
4		7250.000	5.454	57.494	62.947	-11.053	74.000	PEAK
5		7630.000	6.144	57.823	63.967	-10.033	74.000	PEAK
6		7750.000	6.333	56.298	62.632	-11.368	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 : CB1	**Time : 2016/03/20 - 10:27**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11a_5825MHz**

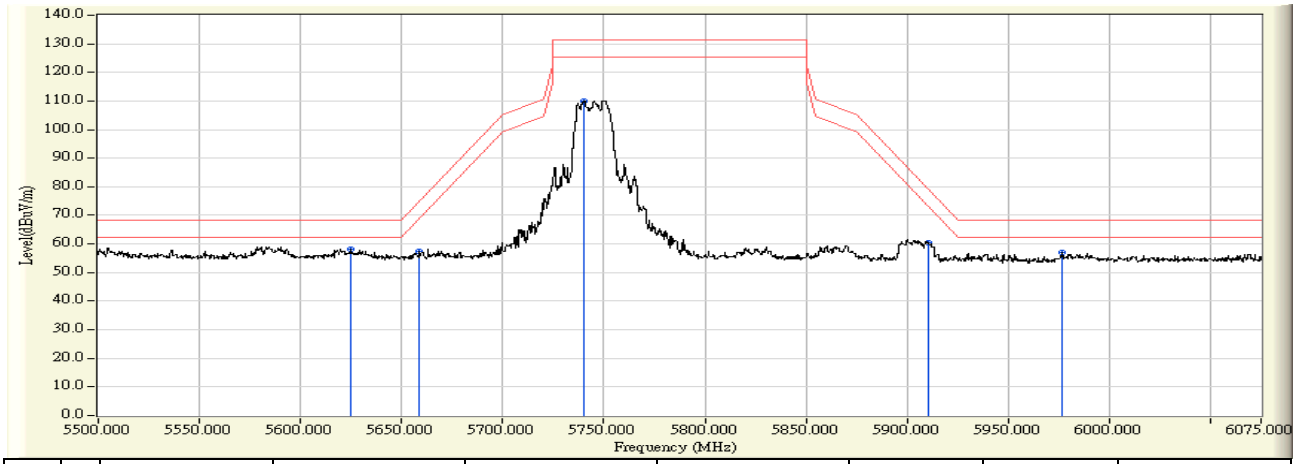


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	1.250	42.516	43.766	-10.234	54.000	AVERAGE
2		5460.000	2.114	42.716	44.830	-9.170	54.000	AVERAGE
3	*	5826.250	1.299	109.602	110.900	56.900	54.000	AVERAGE
4		7250.000	5.454	42.687	48.140	-5.860	54.000	AVERAGE
5		7693.750	6.245	42.553	48.798	-5.202	54.000	AVERAGE
6		7750.000	6.333	42.556	48.890	-5.110	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 : CB1	**Time : 2016/03/20 - 11:28**
Limit : FCC_Part15E_2016_B4_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M)_5745MHz**

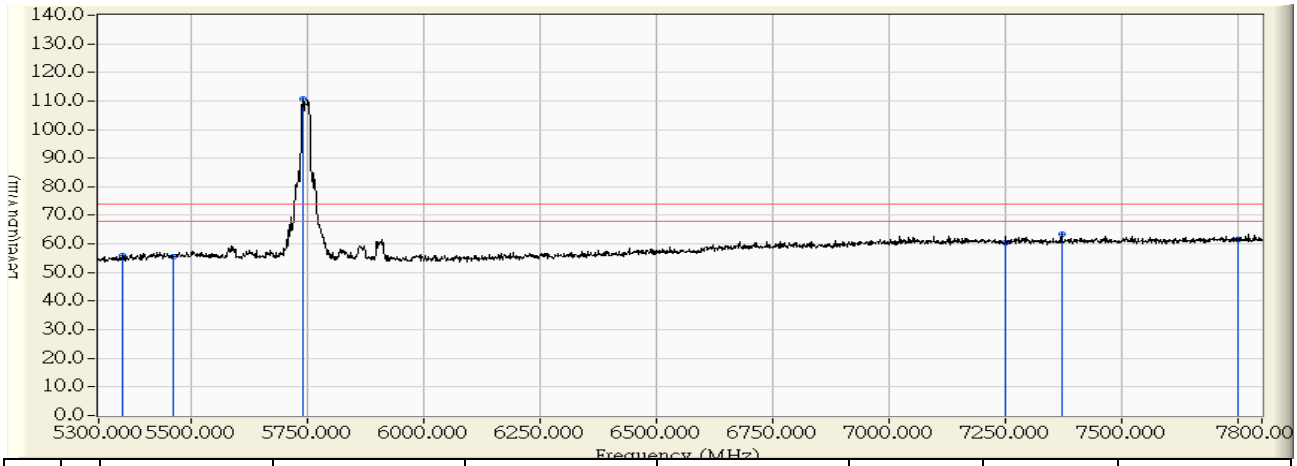


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5625.063	1.704	56.423	58.126	-10.074	68.200	PEAK
2		5658.700	1.623	55.756	60.550	-17.259	74.638	PEAK
3		5740.063	1.427	108.733	110.160	-21.040	131.200	PEAK
4		5910.550	1.017	59.458	60.475	-18.418	78.893	PEAK
5		5976.963	0.857	56.013	56.871	-11.329	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 : CB1	**Time : 2016/03/20 - 11:32**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M)_5745MHz**

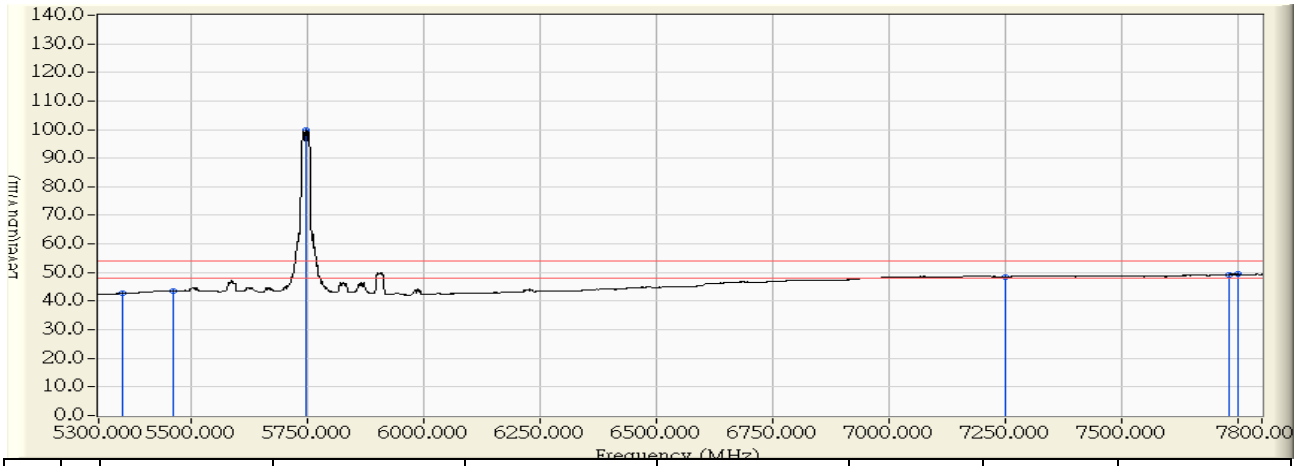


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	0.934	54.934	55.868	-18.132	74.000	PEAK
2		5460.000	1.853	53.572	55.425	-18.575	74.000	PEAK
3	*	5740.000	1.427	109.407	110.834	36.834	74.000	PEAK
4		7250.000	5.954	54.414	60.367	-13.633	74.000	PEAK
5		7370.000	6.190	57.252	63.442	-10.558	74.000	PEAK
6		7750.000	6.833	54.862	61.696	-12.304	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 : CB1	**Time : 2016/03/20 - 11:41**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M)_5745MHz**

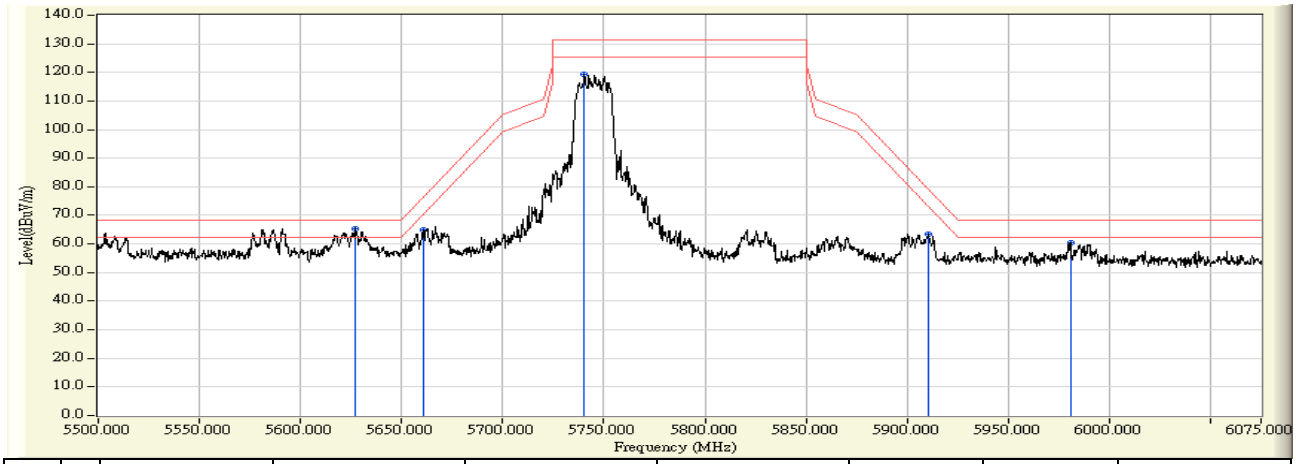


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	0.934	41.785	42.719	-11.281	54.000	PEAK
2		5460.000	1.853	41.678	43.531	-10.469	54.000	PEAK
3	*	5745.000	1.415	98.470	99.885	45.885	54.000	PEAK
4		7250.000	5.954	42.565	48.518	-5.482	54.000	PEAK
5		7730.000	6.802	42.496	49.298	-4.702	54.000	PEAK
6		7750.000	6.833	42.539	49.373	-4.627	54.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 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 : CB1	**Time : 2016/03/20 - 11:03**
Limit : FCC_Part15E_2016_B4_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M)_5745MHz**

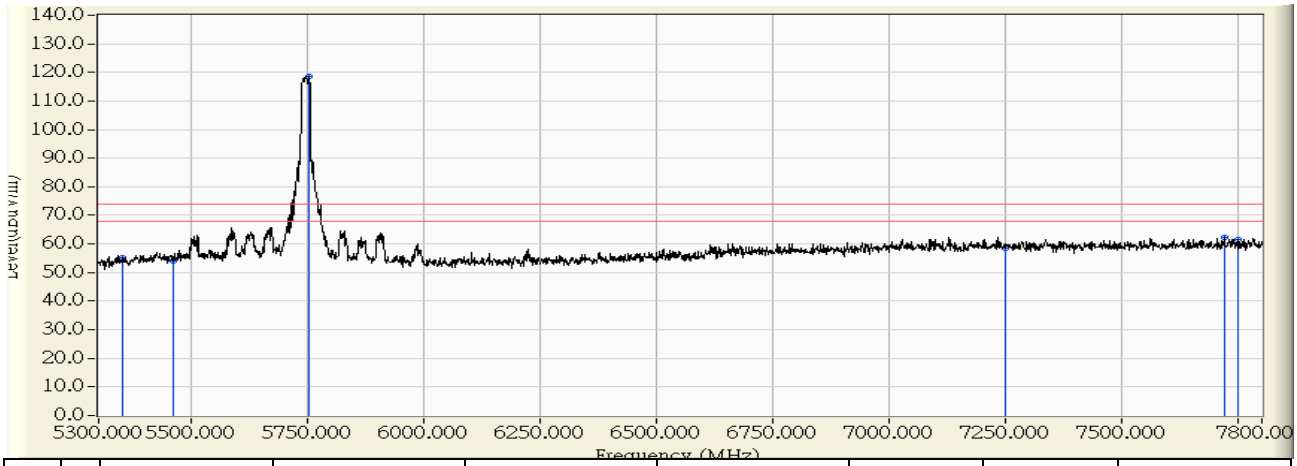


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5626.788	1.878	63.424	65.301	-2.899	68.200	PEAK
2		5660.713	1.779	63.323	60.550	-11.026	76.128	PEAK
3		5740.350	1.547	117.632	119.180	-12.020	131.200	PEAK
4		5910.838	1.053	62.420	63.473	-15.207	78.680	PEAK
5		5980.700	0.850	59.757	60.607	-7.593	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 : CB1	**Time : 2016/03/20 - 11:08**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M)_5745MHz**

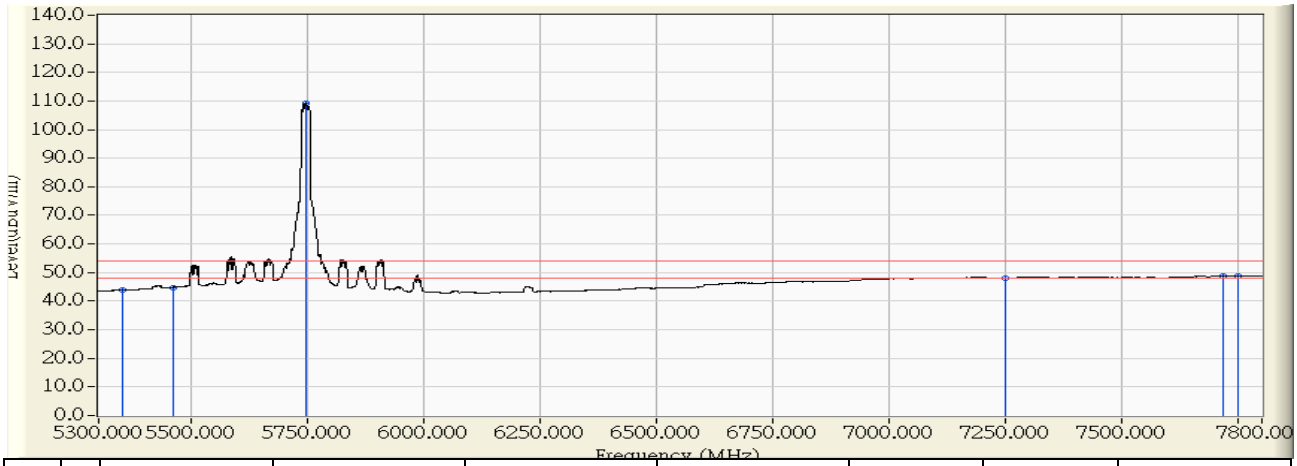


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	1.250	54.060	55.310	-18.690	74.000	PEAK
2		5460.000	2.114	52.077	54.191	-19.809	74.000	PEAK
3	*	5751.250	1.516	117.267	118.783	44.783	74.000	PEAK
4		7250.000	5.454	53.257	58.710	-15.290	74.000	PEAK
5		7720.000	6.286	55.874	62.160	-11.840	74.000	PEAK
6		7750.000	6.333	55.246	61.580	-12.420	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 : CB1	**Time : 2016/03/20 - 11:12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M)_5745MHz**

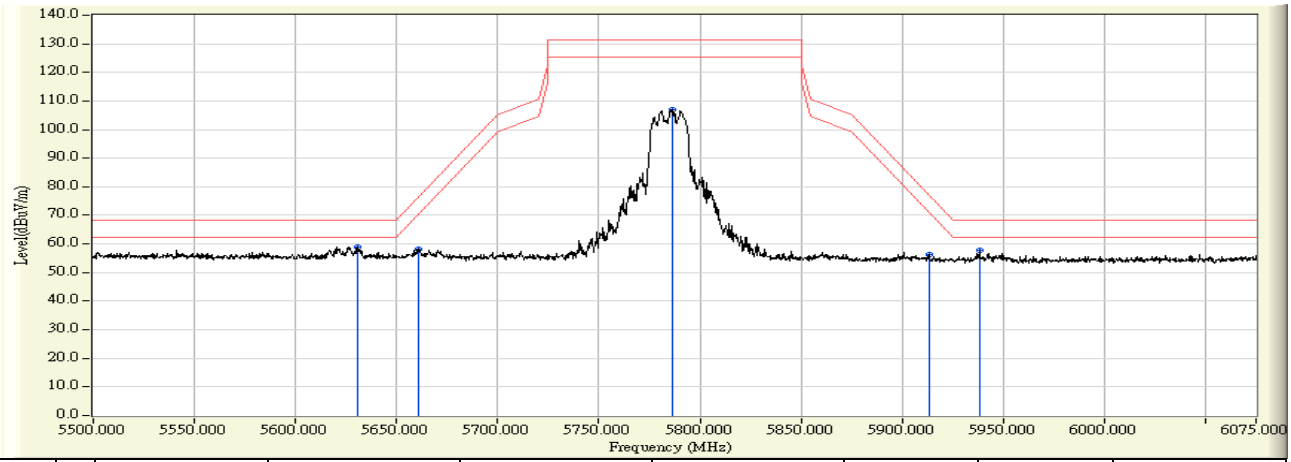


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	1.250	42.709	43.959	-10.041	54.000	AVERAGE
2		5460.000	2.114	42.684	44.798	-9.202	54.000	AVERAGE
3	*	5745.000	1.534	107.865	109.399	55.399	54.000	AVERAGE
4		7250.000	5.454	42.684	48.137	-5.863	54.000	AVERAGE
5		7716.250	6.281	42.516	48.797	-5.203	54.000	AVERAGE
6		7750.000	6.333	42.424	48.758	-5.242	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 : CB1	**Time : 2016/03/20 - 13:24**
Limit : FCC_Part15E_2016_B4_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M)_5785MHz**

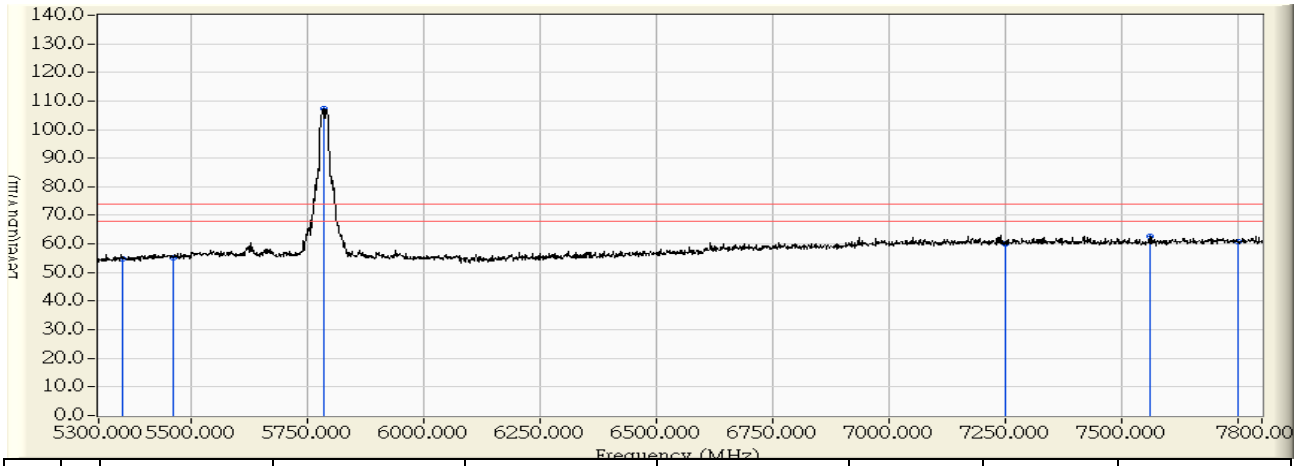


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5630.525	1.690	57.055	58.745	-9.455	68.200	PEAK
2		5661.000	1.617	56.435	60.550	-18.288	76.340	PEAK
3		5786.063	1.317	105.628	106.944	-24.256	131.200	PEAK
4		5913.138	1.011	55.419	56.430	-20.548	76.978	PEAK
5		5938.150	0.951	56.810	57.761	-10.439	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 : CB1	**Time : 2016/03/20 - 13:25**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M)_5785MHz**

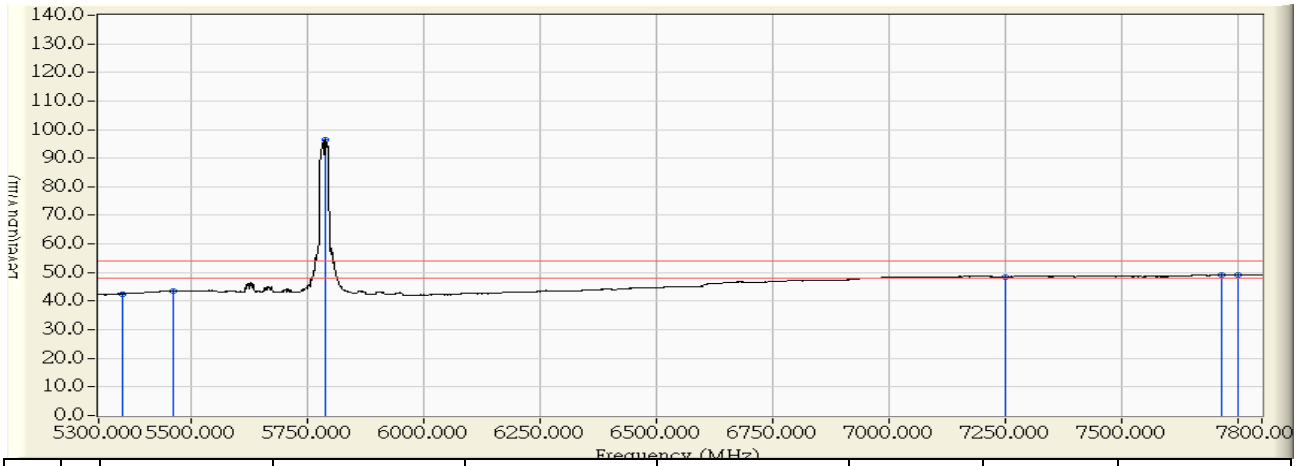


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	0.934	53.830	54.764	-19.236	74.000	PEAK
2		5460.000	1.853	53.149	55.002	-18.998	74.000	PEAK
3	*	5785.000	1.319	106.044	107.363	33.363	74.000	PEAK
4		7250.000	5.954	54.034	59.987	-14.013	74.000	PEAK
5		7558.750	6.532	56.087	62.619	-11.381	74.000	PEAK
6		7750.000	6.833	53.873	60.707	-13.293	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 : CB1	**Time : 2016/03/20 - 13:33**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M)_5785MHz**

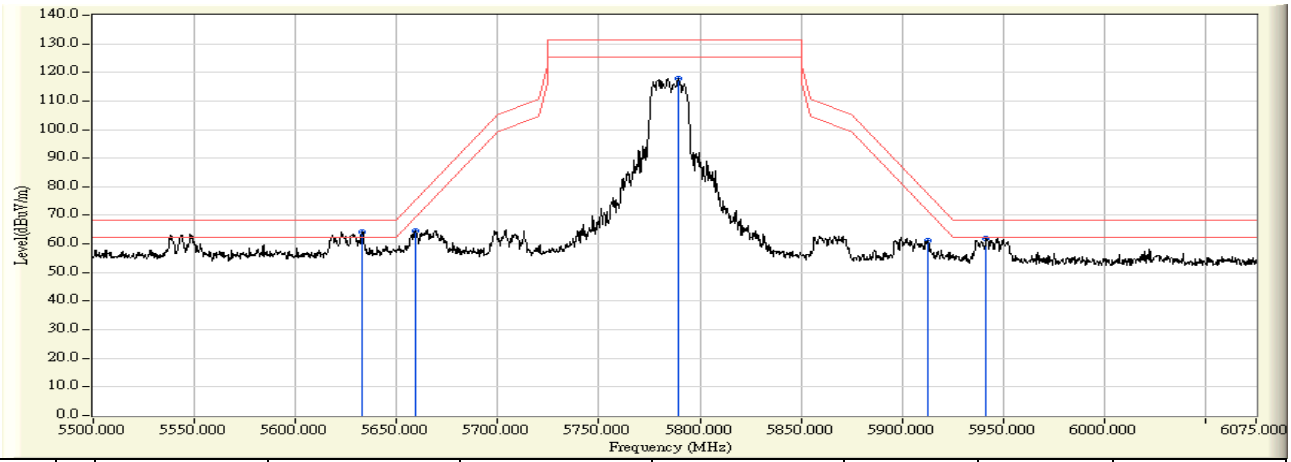


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	0.934	41.661	42.595	-11.405	54.000	AVERAGE
2		5460.000	1.853	41.554	43.407	-10.593	54.000	AVERAGE
3	*	5786.250	1.316	94.962	96.278	42.278	54.000	AVERAGE
4		7250.000	5.954	42.551	48.504	-5.496	54.000	AVERAGE
5		7712.500	6.774	42.458	49.233	-4.767	54.000	AVERAGE
6		7750.000	6.833	42.364	49.198	-4.802	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 : CB1	**Time : 2016/03/20 - 12:10**
Limit : FCC_Part15E_2016_B4_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M)_5785MHz**

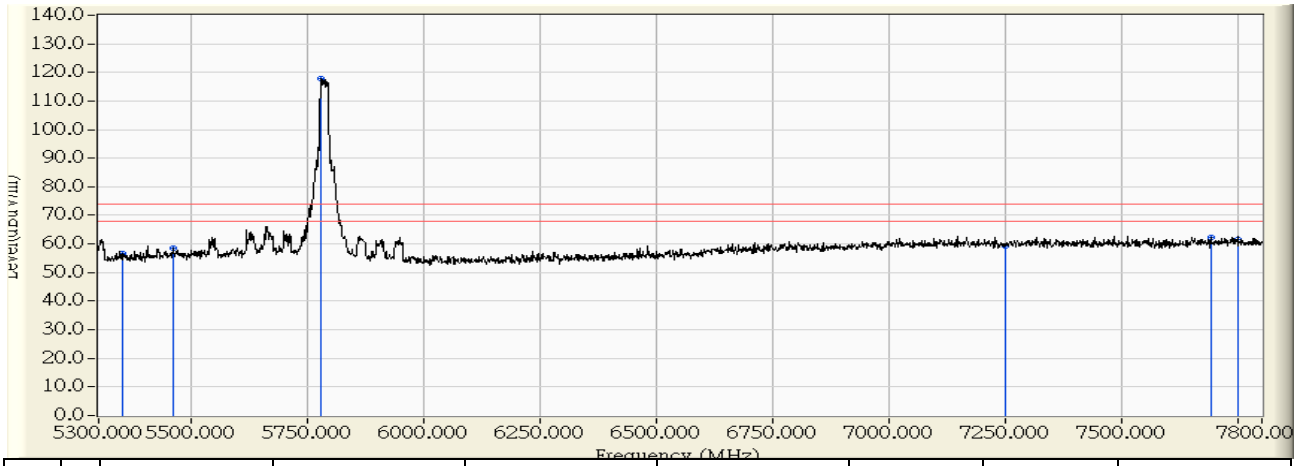


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5633.113	1.859	62.265	64.124	-4.076	68.200	PEAK
2		5659.275	1.783	62.724	60.550	-10.556	75.063	PEAK
3		5789.225	1.406	116.594	118.000	-13.200	131.200	PEAK
4		5912.563	1.048	60.007	61.055	-16.348	77.403	PEAK
5		5941.600	0.963	60.784	61.747	-6.453	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 : CB1	**Time : 2016/03/20 - 12:13**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M)_5785MHz**

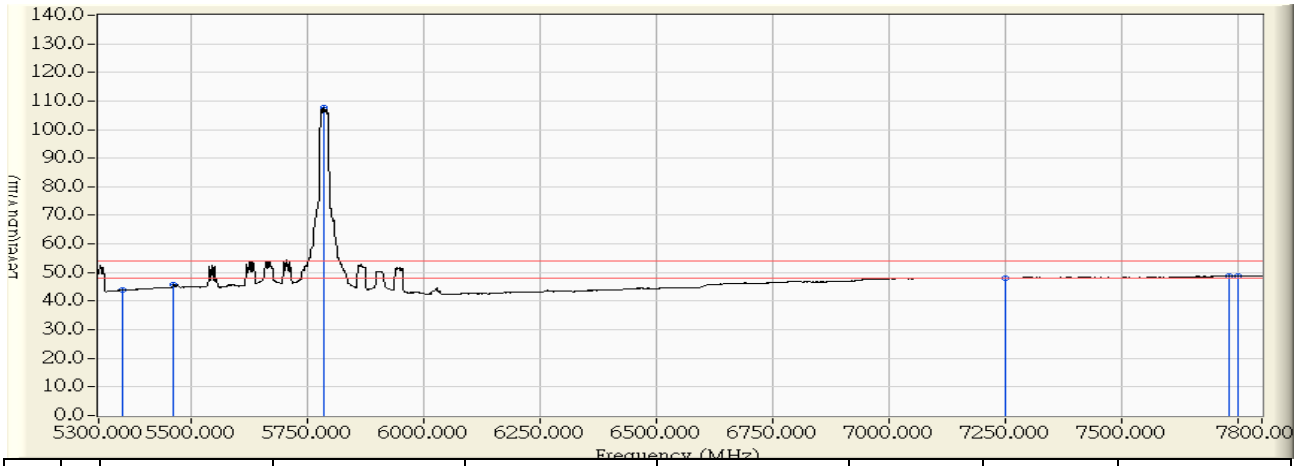


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	1.250	55.280	56.530	-17.470	74.000	PEAK
2		5460.000	2.114	56.261	58.375	-15.625	74.000	PEAK
3	*	5778.750	1.436	116.462	117.898	43.898	74.000	PEAK
4		7250.000	5.454	53.891	59.344	-14.656	74.000	PEAK
5		7690.000	6.239	55.917	62.156	-11.844	74.000	PEAK
6		7750.000	6.333	55.035	61.369	-12.631	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 : CB1	**Time : 2016/03/20 - 12:16**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M)_5785MHz**

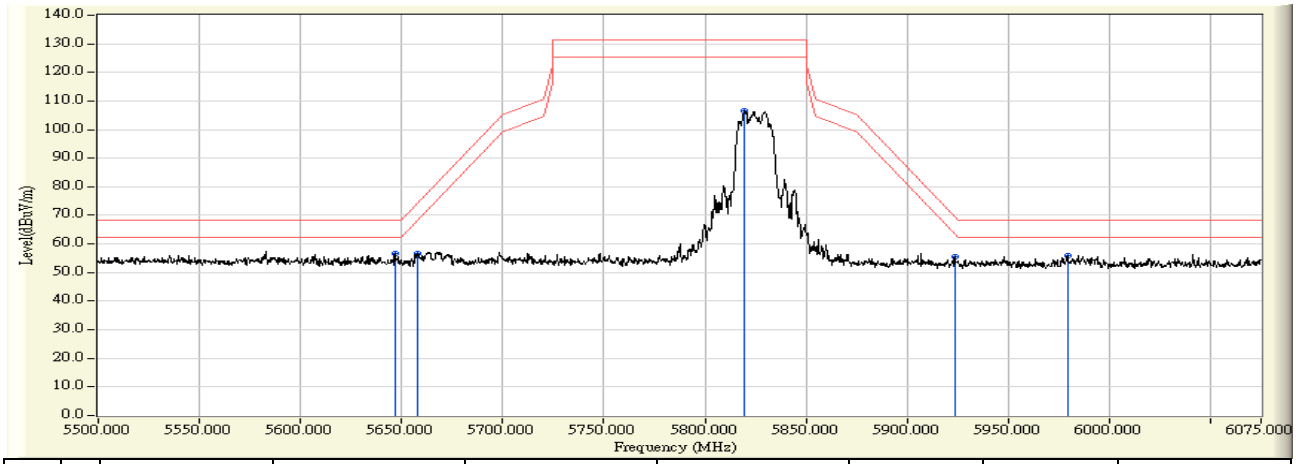


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	1.250	42.519	43.769	-10.231	54.000	AVERAGE
2		5460.000	2.114	43.578	45.692	-8.308	54.000	AVERAGE
3	*	5783.750	1.421	106.262	107.684	53.684	54.000	AVERAGE
4		7250.000	5.454	42.534	47.987	-6.013	54.000	AVERAGE
5		7730.000	6.302	42.409	48.711	-5.289	54.000	AVERAGE
6		7750.000	6.333	42.358	48.692	-5.308	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 : CB1	**Time : 2016/03/20 - 14:09**
Limit : FCC_Part15E_2016_B4_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M)_5825MHz**

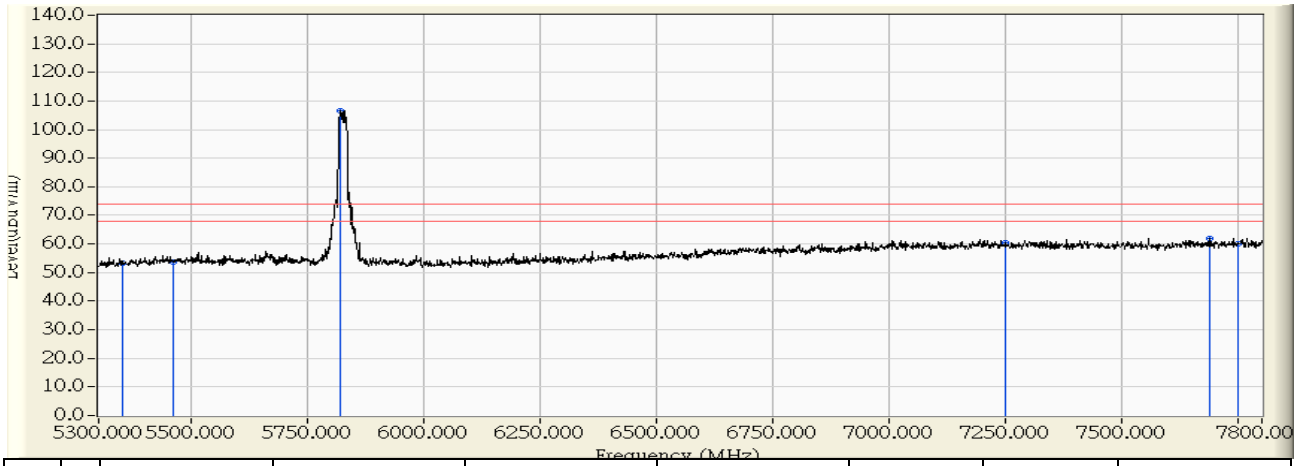


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5646.625	1.652	55.026	56.678	-11.522	68.200	PEAK
2		5658.125	1.624	55.106	60.550	-17.483	74.213	PEAK
3		5819.413	1.236	105.541	106.777	-24.423	131.200	PEAK
4		5923.488	0.987	54.400	55.386	-13.933	69.319	PEAK
5		5979.263	0.852	54.895	55.747	-12.453	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 : CB1	**Time : 2016/03/20 - 14:14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M)_5825MHz**

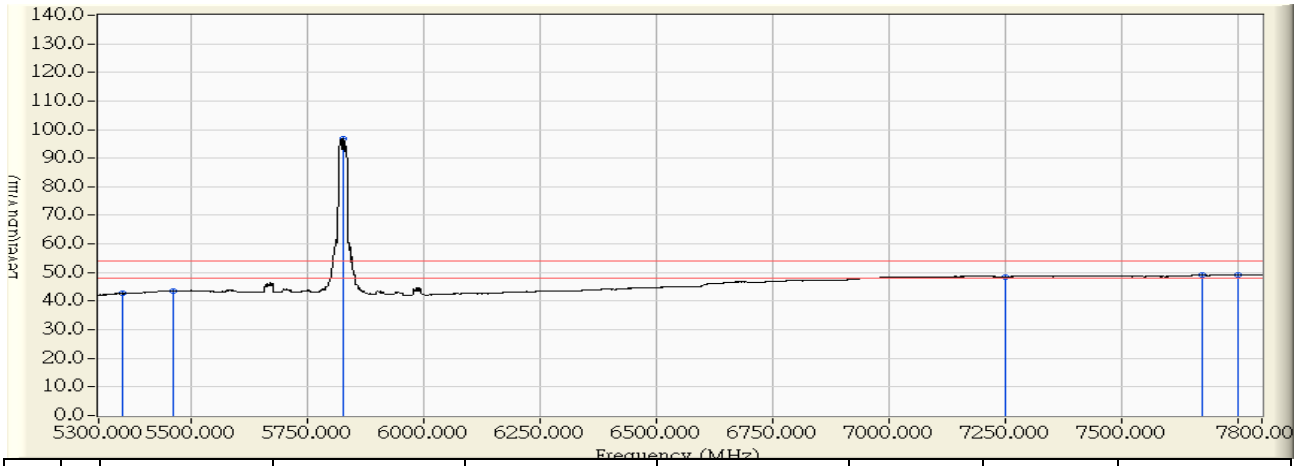


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	0.934	52.311	53.245	-20.755	74.000	PEAK
2		5460.000	1.853	51.984	53.837	-20.163	74.000	PEAK
3	*	5820.000	1.235	105.492	106.727	32.727	74.000	PEAK
4		7250.000	5.954	54.440	60.393	-13.607	74.000	PEAK
5		7686.250	6.733	55.167	61.900	-12.100	74.000	PEAK
6		7750.000	6.833	53.363	60.197	-13.803	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 : CB1	**Time : 2016/03/20 - 14:24**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M)_5825MHz**

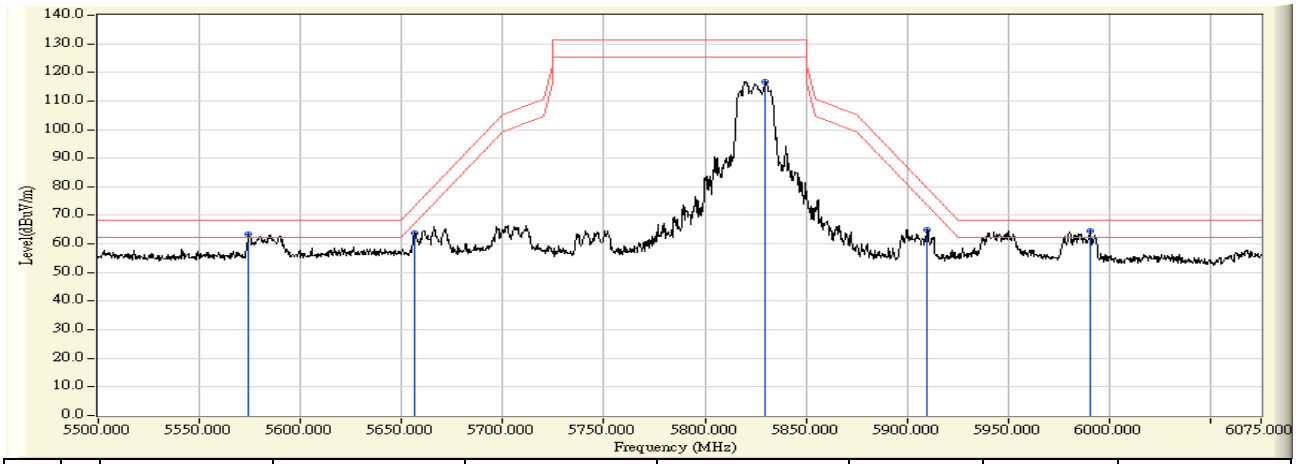


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	0.934	41.677	42.611	-11.389	54.000	AVERAGE
2		5460.000	1.853	41.609	43.462	-10.538	54.000	AVERAGE
3	*	5825.000	1.223	95.783	97.006	43.006	54.000	AVERAGE
4		7250.000	5.954	42.573	48.526	-5.474	54.000	AVERAGE
5		7671.250	6.710	42.431	49.140	-4.860	54.000	AVERAGE
6		7750.000	6.833	42.317	49.151	-4.849	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 : CB1	**Time : 2016/03/20 - 13:47**
Limit : FCC_Part15E_2016_B4_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M)_5825MHz**

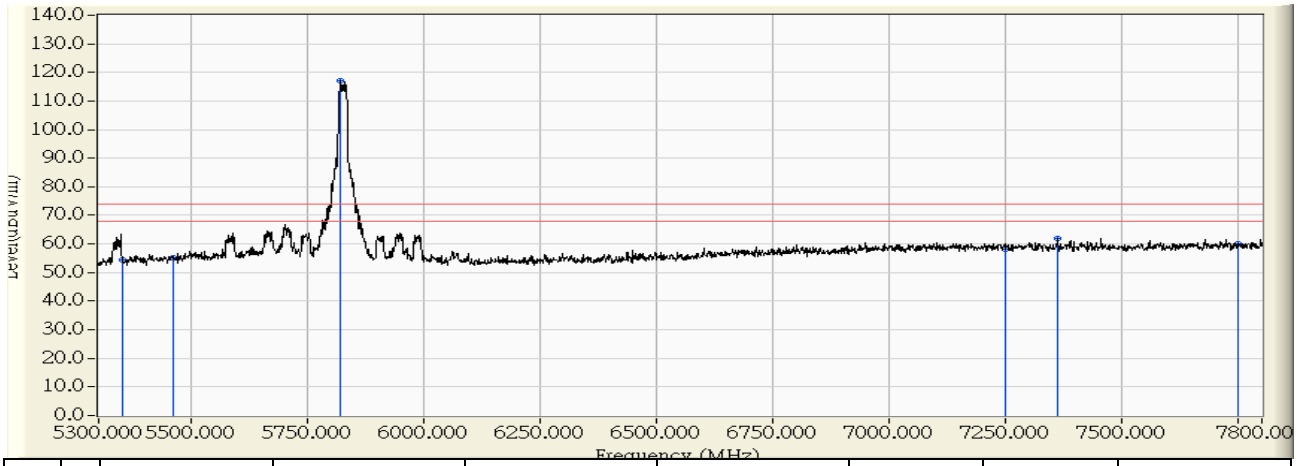


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5574.463	2.029	61.324	63.353	-4.847	68.200	PEAK
2		5656.688	1.791	62.119	60.550	-9.239	73.149	PEAK
3		5830.050	1.287	115.614	116.901	-14.299	131.200	PEAK
4		5909.975	1.055	63.923	64.978	-14.340	79.318	PEAK
5	*	5990.475	0.882	63.697	64.579	-3.621	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 : CB1	**Time : 2016/03/20 - 13:49**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M)_5825MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	1.250	53.266	54.516	-19.484	74.000	PEAK
2		5460.000	2.114	53.094	55.208	-18.792	74.000	PEAK
3	*	5820.000	1.316	115.822	117.138	43.138	74.000	PEAK
4		7250.000	5.454	52.887	58.340	-15.660	74.000	PEAK
5		7361.250	5.673	56.205	61.877	-12.123	74.000	PEAK
6		7750.000	6.333	53.733	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.

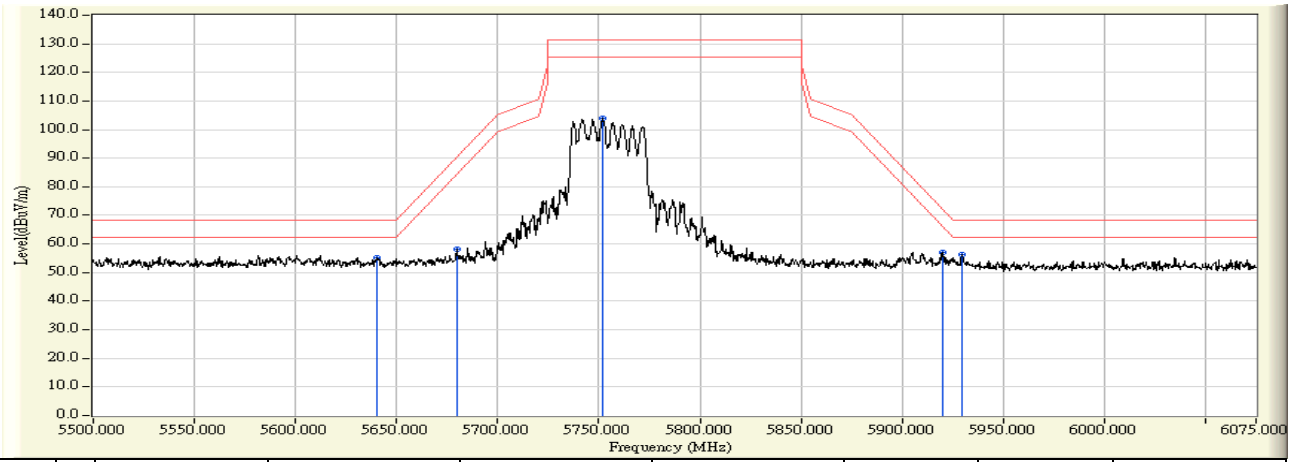
Site : CB1	**Time : 2016/03/20 - 13:59**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(20M)_5825MHz**

		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	1.250	42.659	43.909	-10.091	54.000	AVERAGE
2		5460.000	2.114	42.320	44.434	-9.566	54.000	AVERAGE
3	*	5820.000	1.316	105.396	106.712	52.712	54.000	AVERAGE
4		7250.000	5.454	42.549	48.002	-5.998	54.000	AVERAGE
5		7705.000	6.262	42.458	48.721	-5.279	54.000	AVERAGE
6		7750.000	6.333	42.334	48.668	-5.332	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 : CB1	**Time : 2016/03/20 - 14:53**
Limit : FCC_Part15E_2016_B4_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(40M)_5755MHz**

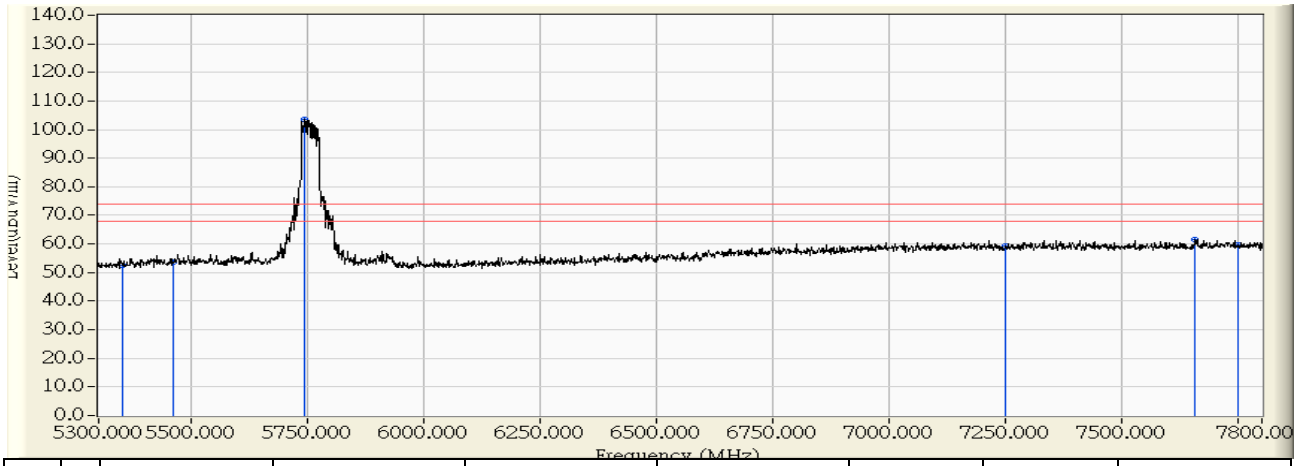


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5640.013	1.668	53.637	55.305	-12.895	68.200	PEAK
2		5679.975	1.571	56.666	60.550	-32.145	90.382	PEAK
3		5751.850	1.398	102.713	104.112	-27.088	131.200	PEAK
4		5919.750	0.995	56.189	57.184	-14.901	72.085	PEAK
5	*	5929.525	0.971	55.148	56.120	-12.080	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 : CB1	**Time : 2016/03/20 - 15:01**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(40M)_5755MHz**

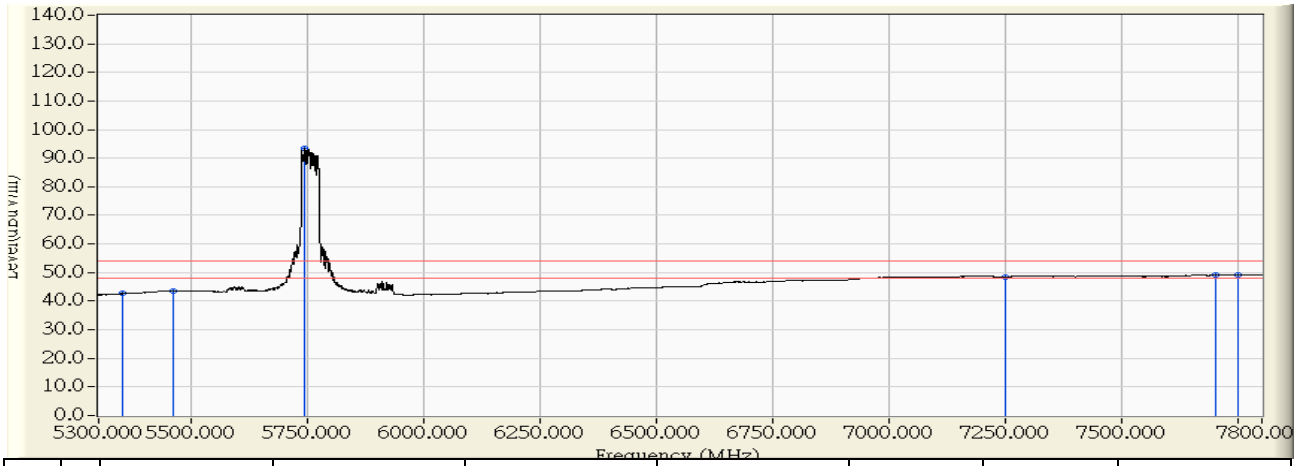


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	0.934	51.541	52.475	-21.525	74.000	PEAK
2		5460.000	1.853	51.821	53.674	-20.326	74.000	PEAK
3	*	5742.500	1.421	102.016	103.437	29.437	74.000	PEAK
4		7250.000	5.954	53.214	59.167	-14.833	74.000	PEAK
5		7656.250	6.686	55.035	61.721	-12.279	74.000	PEAK
6		7750.000	6.833	52.843	59.677	-14.323	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 : CB1	**Time : 2016/03/20 - 15:10**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(40M)_5755MHz**

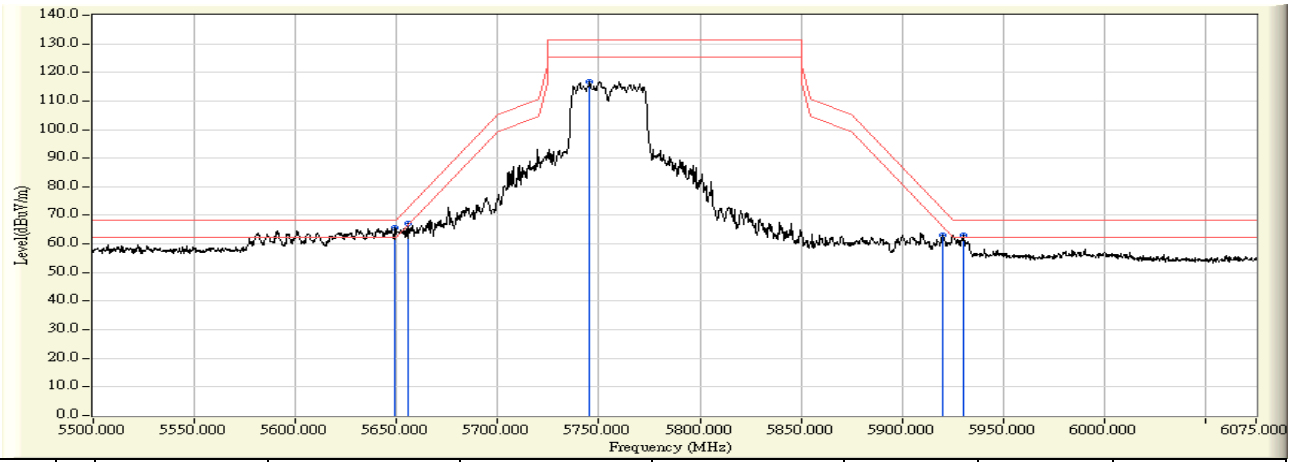


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	0.934	41.670	42.604	-11.396	54.000	AVERAGE
2		5460.000	1.853	41.632	43.485	-10.515	54.000	AVERAGE
3	*	5742.500	1.421	92.104	93.525	39.525	54.000	AVERAGE
4		7250.000	5.954	42.530	48.483	-5.517	54.000	AVERAGE
5		7700.000	6.754	42.442	49.197	-4.803	54.000	AVERAGE
6		7750.000	6.833	42.361	49.195	-4.805	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 : CB1	**Time : 2016/03/20 - 14:30**
Limit : FCC_Part15E_2016_B4_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(40M)_5755MHz**

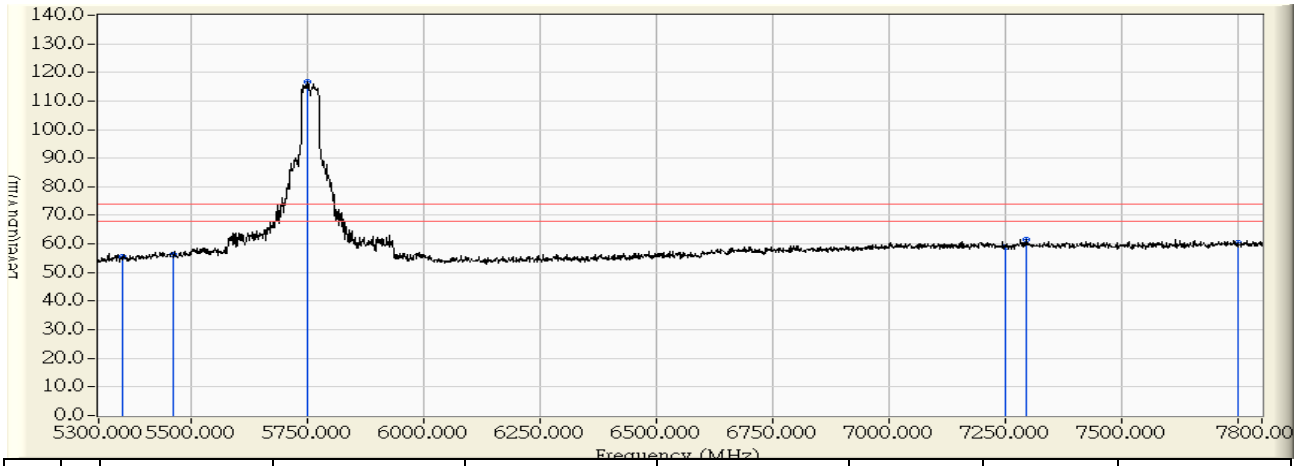


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5649.213	1.812	63.940	65.752	-2.448	68.200	PEAK
2		5655.825	1.793	65.316	60.550	-5.401	72.510	PEAK
3		5745.525	1.533	115.265	116.798	-14.402	131.200	PEAK
4		5920.038	1.025	62.149	63.175	-8.697	71.872	PEAK
5		5930.100	0.996	62.198	63.195	-5.005	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 : CB1	**Time : 2016/03/20 - 14:34**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(40M)_5755MHz**

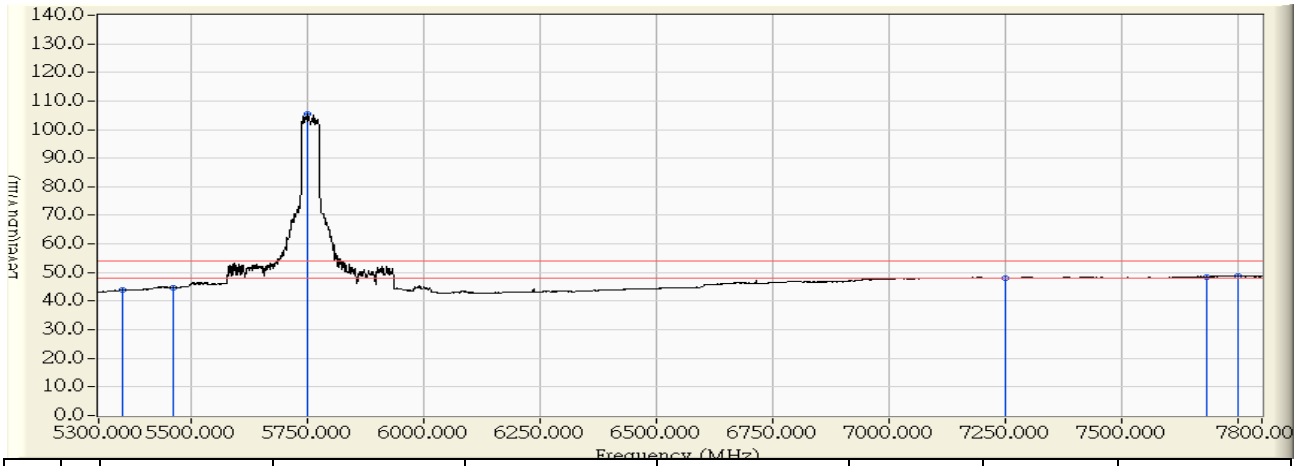


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	1.250	54.166	55.416	-18.584	74.000	PEAK
2		5460.000	2.114	54.305	56.419	-17.581	74.000	PEAK
3	*	5750.000	1.520	115.311	116.831	42.831	74.000	PEAK
4		7250.000	5.454	53.382	58.835	-15.165	74.000	PEAK
5		7295.000	5.542	56.184	61.726	-12.274	74.000	PEAK
6		7750.000	6.333	53.910	60.244	-13.756	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 : CB1	**Time : 2016/03/20 - 14:43**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(40M)_5755MHz**

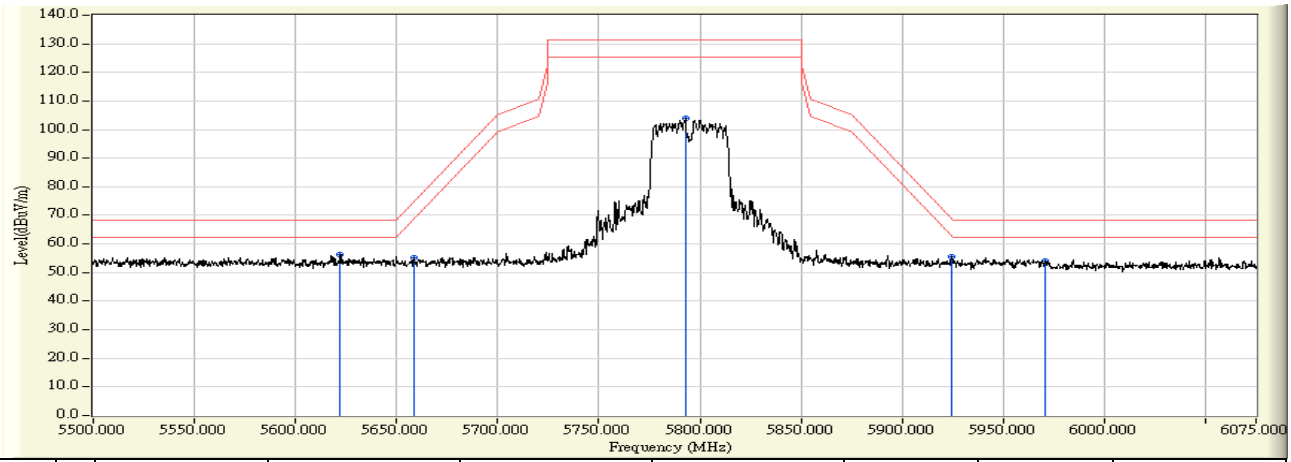


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	1.250	42.561	43.811	-10.189	54.000	AVERAGE
2		5460.000	2.114	42.622	44.736	-9.264	54.000	AVERAGE
3	*	5750.000	1.520	104.023	105.543	51.543	54.000	AVERAGE
4		7250.000	5.454	42.495	47.948	-6.052	54.000	AVERAGE
5		7680.000	6.223	42.355	48.578	-5.422	54.000	AVERAGE
6		7750.000	6.333	42.316	48.650	-5.350	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 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 : CB1	**Time : 2016/03/20 - 15:49**
Limit : FCC_Part15E_2016_B4_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(40M)_5795MHz**

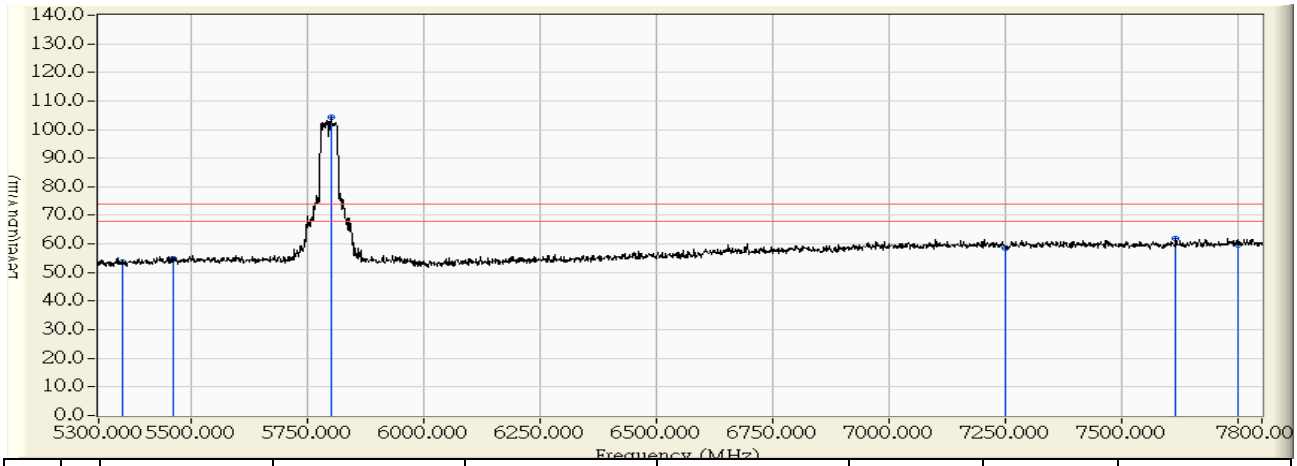


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5622.188	1.710	54.653	56.363	-11.837	68.200	PEAK
2		5658.700	1.623	53.533	60.550	-19.482	74.638	PEAK
3		5792.675	1.301	102.565	103.866	-27.334	131.200	PEAK
4		5924.350	0.984	54.439	55.423	-13.258	68.681	PEAK
5		5970.925	0.872	53.163	54.035	-14.165	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 : CB1	**Time : 2016/03/20 - 15:57**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(40M)_5795MHz**

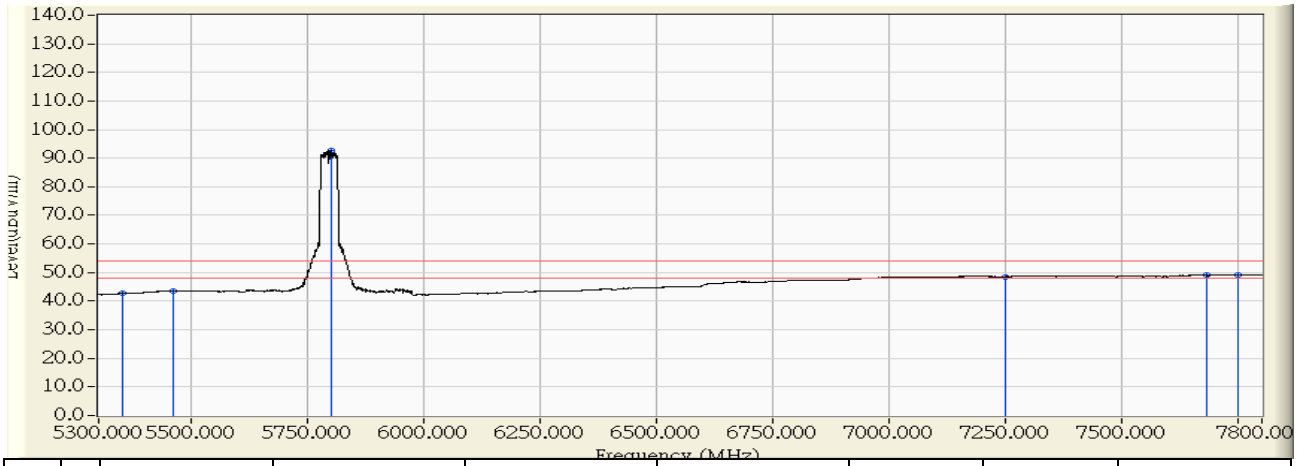


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	0.934	52.786	53.720	-20.280	74.000	PEAK
2		5460.000	1.853	53.053	54.906	-19.094	74.000	PEAK
3	*	5800.000	1.283	103.088	104.371	30.371	74.000	PEAK
4		7250.000	5.954	52.713	58.666	-15.334	74.000	PEAK
5		7613.750	6.619	55.161	61.780	-12.220	74.000	PEAK
6		7750.000	6.833	53.030	59.864	-14.136	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 : CB1	**Time : 2016/03/20 - 16:06**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(40M)_5795MHz**

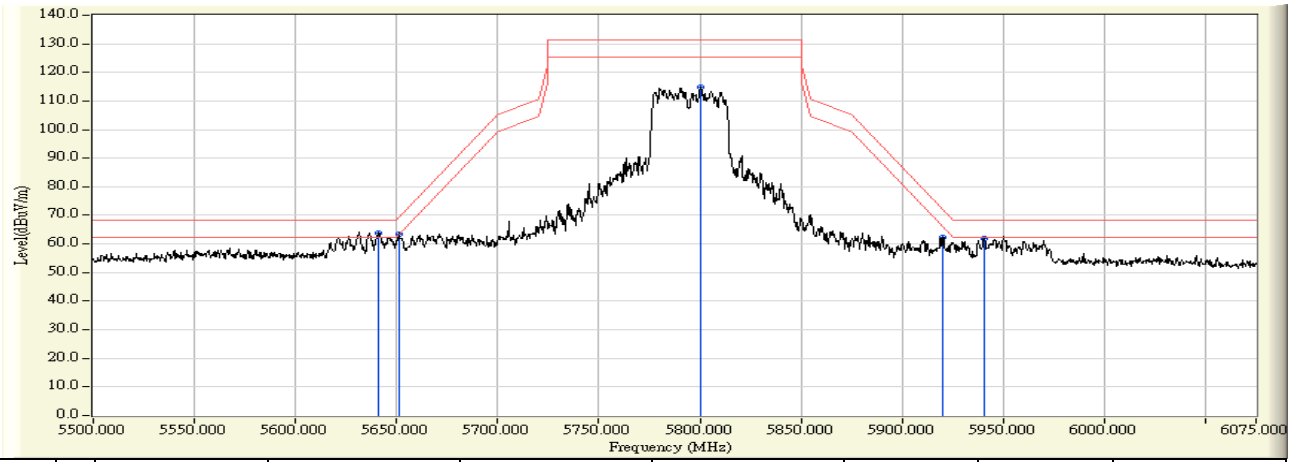


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	0.934	41.675	42.609	-11.391	54.000	AVERAGE
2		5460.000	1.853	41.639	43.492	-10.508	54.000	AVERAGE
3	*	5800.000	1.283	91.446	92.729	38.729	54.000	AVERAGE
4		7250.000	5.954	42.600	48.553	-5.447	54.000	AVERAGE
5		7680.000	6.723	42.345	49.068	-4.932	54.000	AVERAGE
6		7750.000	6.833	42.400	49.234	-4.766	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 : CB1	**Time : 2016/03/20 - 15:21**
Limit : FCC_Part15E_2016_B4_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(40M)_5795MHz**

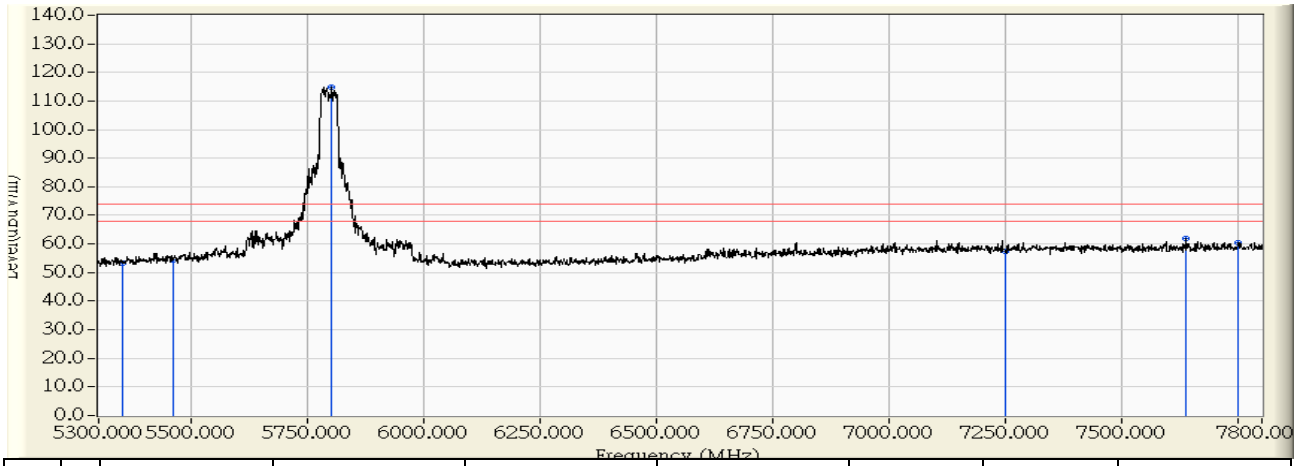


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5641.163	1.835	62.148	63.984	-4.216	68.200	PEAK
2		5650.938	1.807	61.692	60.550	-5.395	68.894	PEAK
3		5800.438	1.373	113.345	114.718	-16.482	131.200	PEAK
4		5920.325	1.025	61.309	62.334	-9.326	71.660	PEAK
5		5940.450	0.967	61.052	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 : CB1	**Time : 2016/03/20 - 15:28**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(40M)_5795MHz**

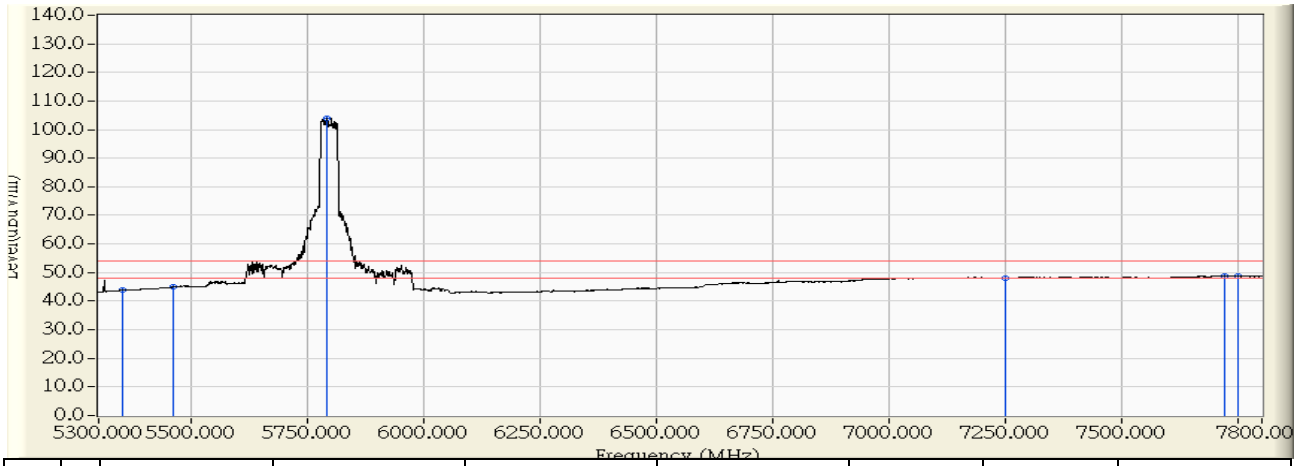


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	1.250	51.927	53.177	-20.823	74.000	PEAK
2		5460.000	2.114	52.125	54.239	-19.761	74.000	PEAK
3	*	5801.250	1.371	113.415	114.786	40.786	74.000	PEAK
4		7250.000	5.454	52.099	57.552	-16.448	74.000	PEAK
5		7637.500	6.156	55.602	61.758	-12.242	74.000	PEAK
6		7750.000	6.333	54.181	60.515	-13.485	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 : CB1	**Time : 2016/03/20 - 15:40**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11n(40M)_5795MHz**

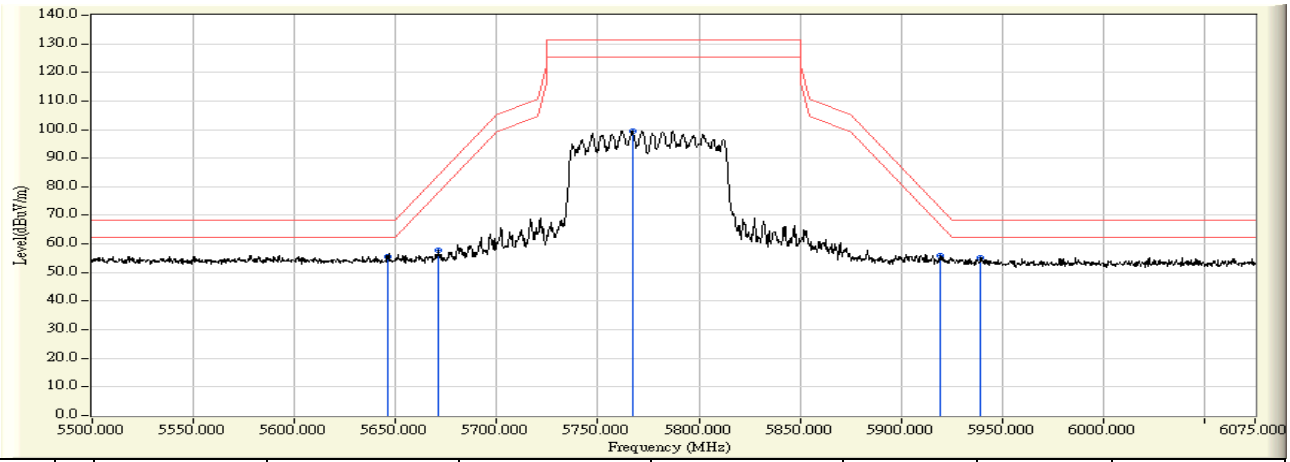


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	1.250	42.505	43.755	-10.245	54.000	AVERAGE
2		5460.000	2.114	42.746	44.860	-9.140	54.000	AVERAGE
3	*	5790.000	1.404	102.695	104.099	50.099	54.000	AVERAGE
4		7250.000	5.454	42.551	48.004	-5.996	54.000	AVERAGE
5		7718.750	6.285	42.433	48.718	-5.282	54.000	AVERAGE
6		7750.000	6.333	42.331	48.665	-5.335	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 : CB1	**Time : 2016/03/20 - 16:40**
Limit : FCC_Part15E_2016_B4_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11ac(80M)_5775MHz**

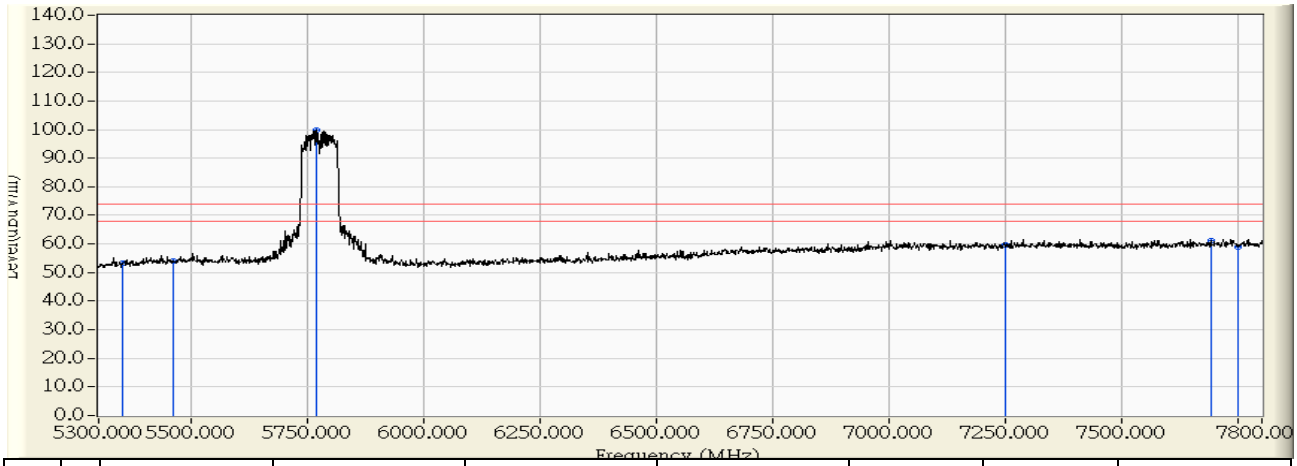


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5646.338	1.652	54.052	55.704	-12.496	68.200	PEAK
2		5671.350	1.592	56.149	60.550	-26.258	83.999	PEAK
3		5767.088	1.362	98.276	99.638	-31.562	131.200	PEAK
4		5919.175	0.996	54.759	55.755	-16.755	72.510	PEAK
5		5939.300	0.948	54.261	55.209	-12.991	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 : CB1	**Time : 2016/03/20 - 16:46**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11ac(80M)_5775MHz**

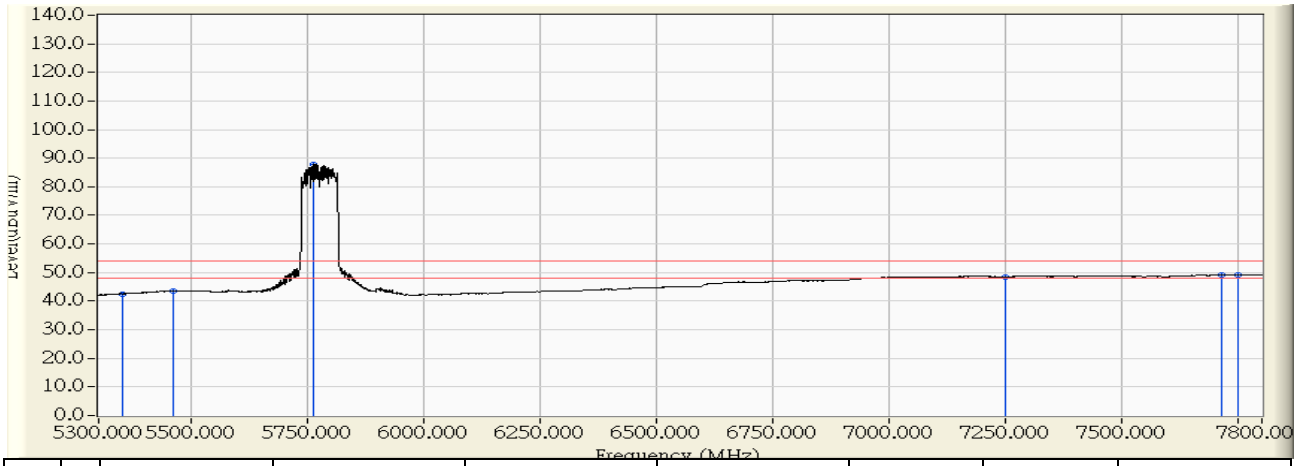


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	0.934	52.176	53.110	-20.890	74.000	PEAK
2		5460.000	1.853	52.207	54.060	-19.940	74.000	PEAK
3	*	5767.500	1.362	98.344	99.705	25.705	74.000	PEAK
4		7250.000	5.954	53.673	59.626	-14.374	74.000	PEAK
5		7691.250	6.741	54.506	61.247	-12.753	74.000	PEAK
6		7750.000	6.833	52.245	59.079	-14.921	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 : CB1	**Time : 2016/03/20 - 16:56**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11ac(80M)_5775MHz**

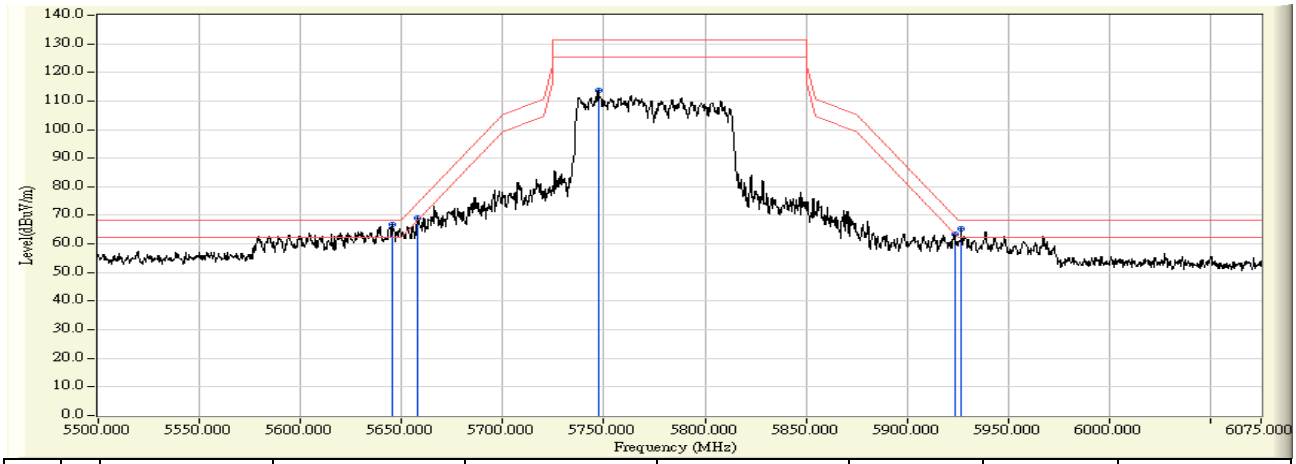


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	0.934	41.626	42.560	-11.440	54.000	AVERAGE
2		5460.000	1.853	41.552	43.405	-10.595	54.000	AVERAGE
3	*	5762.500	1.374	86.609	87.982	33.982	54.000	AVERAGE
4		7250.000	5.954	42.558	48.511	-5.489	54.000	AVERAGE
5		7713.750	6.777	42.523	49.300	-4.700	54.000	AVERAGE
6		7750.000	6.833	42.294	49.128	-4.872	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 : CB1	**Time : 2016/03/20 - 16:16**
Limit : FCC_Part15E_2016_B4_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11ac(80M)_5775MHz**

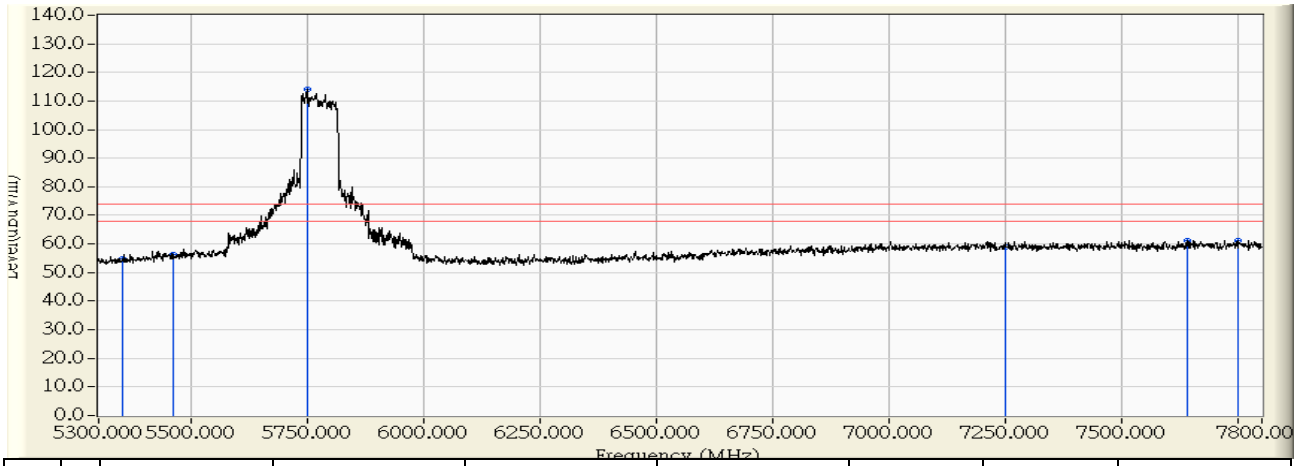


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5645.475	1.823	64.965	66.788	-1.412	68.200	PEAK
2		5657.838	1.787	67.382	60.550	-4.831	74.000	PEAK
3		5747.250	1.528	112.364	113.892	-17.308	131.200	PEAK
4		5923.488	1.016	62.393	63.409	-5.910	69.319	PEAK
5		5926.650	1.006	64.390	65.397	-2.803	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 : CB1	**Time : 2016/03/20 - 16:23**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11ac(80M)_5775MHz**

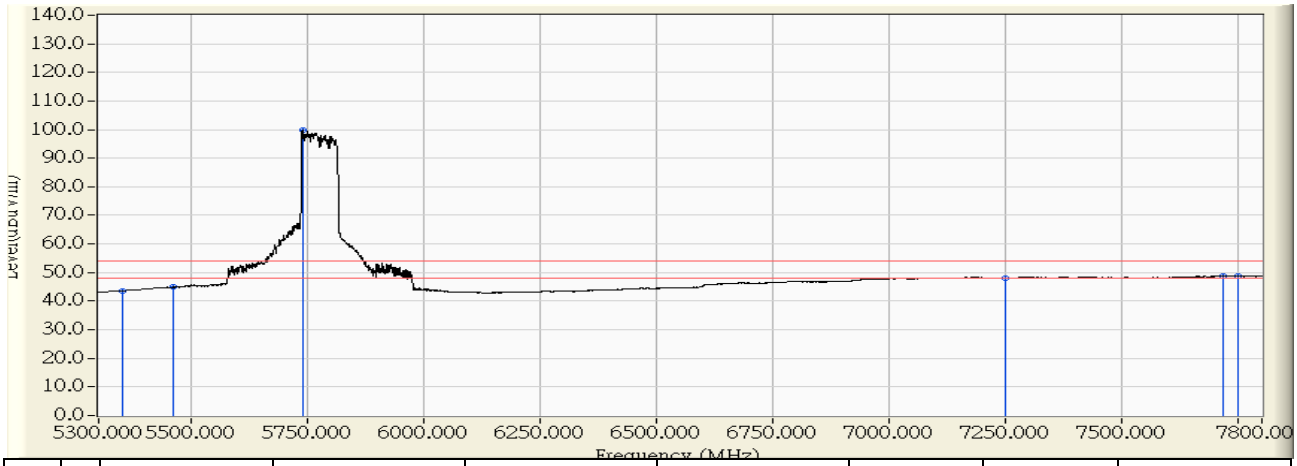


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	1.250	53.583	54.833	-19.167	74.000	PEAK
2		5460.000	2.114	54.055	56.169	-17.831	74.000	PEAK
3	*	5747.500	1.527	112.483	114.010	40.010	74.000	PEAK
4		7250.000	5.454	53.317	58.770	-15.230	74.000	PEAK
5		7638.750	6.158	54.952	61.110	-12.890	74.000	PEAK
6		7750.000	6.333	54.730	61.064	-12.936	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 : CB1	**Time : 2016/03/20 - 16:32**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual Band 3x3 802.11AC Gigabit Router	**Note : Mode 1: Transmit_Adapter 1 802.11ac(80M)_5775MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	1.250	42.447	43.697	-10.303	54.000	AVERAGE
2		5460.000	2.114	42.788	44.902	-9.098	54.000	AVERAGE
3	*	5738.750	1.552	98.104	99.656	45.656	54.000	AVERAGE
4		7250.000	5.454	42.509	47.962	-6.038	54.000	AVERAGE
5		7717.500	6.282	42.431	48.714	-5.286	54.000	AVERAGE
6		7750.000	6.333	42.346	48.680	-5.320	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.

8. Frequency Stability

8.1. Test Equipment

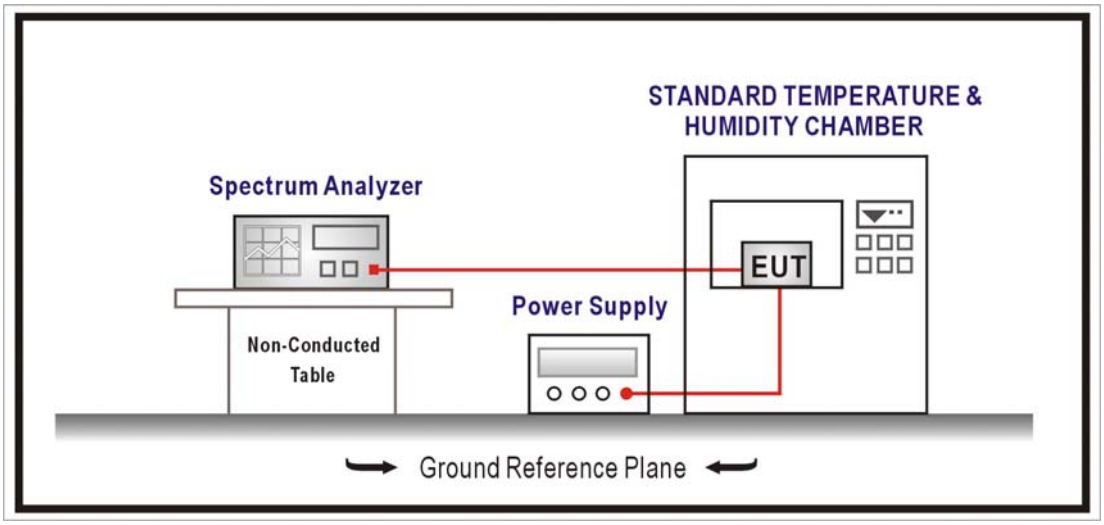
The following test equipments are used during the radiated emission tests:

Frequency Stability / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2016/08/23
Temperature & Humidity Chamber	WIT	TH-1S-B	1082101	2017/01/18

Note: All equipments 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 KDB 789033 D02 for compliance to FCC 47CFR Subpart E requirements.

8.5. Uncertainty

The measurement uncertainty is defined as ± 150 Hz

8.6. Test Result

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_Adapter 1_802.11a - 5745MHz, ANT 0		
Date of Test	2016/03/23	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5745.0529	9.2163	Pass
-10		5745.0754	13.1273	Pass
0		5744.9163	-14.5712	Pass
10		5744.8880	-19.4865	Pass
20		5744.9414	-10.1943	Pass
30		5744.9926	-1.2964	Pass
40		5744.9141	-14.9520	Pass
50		5744.9098	-15.7042	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5744.9751	-4.3426	Pass
	120	5745.0111	1.9329	Pass
	138	5744.8943	-18.3964	Pass

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_Adapter 1- 802.11a - 5825MHz, ANT 0		
Date of Test	2016/03/23	Test Site	SR7

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5825.0036	0.6101	Pass
-10		5825.0383	6.5681	Pass
0		5824.9971	-0.5057	Pass
10		5824.9894	-1.8255	Pass
20		5824.9248	-12.9085	Pass
30		5824.8926	-18.4348	Pass
40		5824.9301	-12.0045	Pass
50		5824.9417	-10.0127	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5824.9492	-8.7210	Pass
	120	5825.0112	1.9174	Pass
	138	5825.0693	11.9048	Pass

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_Adapter 1- 802.11a - 5745MHz, ANT 1		
Date of Test	2016/03/23	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5745.0138	2.3992	Pass
-10		5745.0772	13.4396	Pass
0		5744.9146	-14.8618	Pass
10		5744.9795	-3.5596	Pass
20		5744.9855	-2.5263	Pass
30		5744.9160	-14.6224	Pass
40		5744.9072	-16.1589	Pass
50		5744.9591	-7.1120	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5744.9840	-2.7883	Pass
	120	5745.0586	10.2067	Pass
	138	5745.0994	17.2938	Pass

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_Adapter 1- 802.11a - 5825MHz, ANT 1		
Date of Test	2016/03/23	Test Site	SR7

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5825.0095	1.6261	Pass
-10		5825.0215	3.6982	Pass
0		5824.9723	-4.7593	Pass
10		5824.9422	-9.9183	Pass
20		5824.9703	-5.1030	Pass
30		5824.9492	-8.7292	Pass
40		5824.9363	-10.9298	Pass
50		5824.9570	-7.3866	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5824.9150	-14.5987	Pass
	120	5824.9940	-1.0299	Pass
	138	5825.0659	11.3055	Pass

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_Adapter 1- 802.11a - 5745MHz, ANT 2		
Date of Test	2016/03/23	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5745.0589	10.2567	Pass
-10		5745.0459	7.9851	Pass
0		5744.9076	-16.0886	Pass
10		5744.8933	-18.5792	Pass
20		5744.9943	-0.9840	Pass
30		5744.9045	-16.6231	Pass
40		5744.9711	-5.0303	Pass
50		5744.9094	-15.7755	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5745.0009	0.1636	Pass
	120	5745.0118	2.0521	Pass
	138	5745.0635	11.0550	Pass

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_Adapter 1- 802.11a - 5825MHz, ANT 2		
Date of Test	2016/03/23	Test Site	SR7

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5825.0524	8.9941	Pass
-10		5825.0000	0.0075	Pass
0		5824.9987	-0.2200	Pass
10		5824.9041	-16.4611	Pass
20		5824.8921	-18.5265	Pass
30		5824.9932	-1.1732	Pass
40		5824.9738	-4.5056	Pass
50		5824.9856	-2.4756	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5825.0051	0.8679	Pass
	120	5824.9722	-4.7760	Pass
	138	5825.0259	4.4471	Pass

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_Adapter 1- 802.11n_20M - 5745MHz, ANT 0		
Date of Test	2016/03/23	Test Site	SR7

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5745.0263	4.5786	Pass
-10		5745.0112	1.9459	Pass
0		5744.9056	-16.4395	Pass
10		5744.9900	-1.7361	Pass
20		5744.8975	-17.8346	Pass
30		5744.9515	-8.4351	Pass
40		5744.9950	-0.8701	Pass
50		5744.9572	-7.4441	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5745.0100	1.7428	Pass
	120	5744.9536	-8.0715	Pass
	138	5745.0392	6.8295	Pass

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_Adapter 1- 802.11n_20M - 5825MHz, ANT 0		
Date of Test	2016/03/23	Test Site	SR7

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5825.0096	1.6539	Pass
-10		5825.0719	12.3480	Pass
0		5824.9790	-3.6091	Pass
10		5824.9422	-9.9176	Pass
20		5824.9484	-8.8532	Pass
30		5824.9981	-0.3181	Pass
40		5824.9827	-2.9767	Pass
50		5824.9396	-10.3653	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5824.9636	-6.2485	Pass
	120	5824.9946	-0.9305	Pass
	138	5825.0173	2.9760	Pass

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_Adapter 1- 802.11n_20M - 5745MHz, ANT 1		
Date of Test	2016/03/23	Test Site	SR7

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5745.0066	1.1472	Pass
-10		5745.0777	13.5213	Pass
0		5744.8931	-18.5996	Pass
10		5744.9011	-17.2217	Pass
20		5744.9058	-16.3960	Pass
30		5744.9629	-6.4538	Pass
40		5744.9385	-10.7121	Pass
50		5744.8985	-17.6622	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5745.0407	7.0840	Pass
	120	5745.0142	2.4691	Pass
	138	5744.9558	-7.6876	Pass

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_Adapter 1- 802.11n_20M - 5825MHz, ANT 1		
Date of Test	2016/03/23	Test Site	SR7

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5825.0064	1.1049	Pass
-10		5825.0663	11.3852	Pass
0		5824.9406	-10.2016	Pass
10		5824.9745	-4.3731	Pass
20		5824.9716	-4.8732	Pass
30		5824.9891	-1.8639	Pass
40		5824.9572	-7.3449	Pass
50		5824.9574	-7.3206	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5824.9786	-3.6823	Pass
	120	5824.9557	-7.6132	Pass
	138	5825.0085	1.4595	Pass

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_Adapter 1- 802.11n_20M - 5745MHz, ANT 2		
Date of Test	2016/03/23	Test Site	SR7

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5745.0496	8.6368	Pass
-10		5745.0253	4.4085	Pass
0		5744.9486	-8.9459	Pass
10		5744.9696	-5.2870	Pass
20		5744.9423	-10.0430	Pass
30		5744.8857	-19.8874	Pass
40		5744.9655	-5.9978	Pass
50		5744.9859	-2.4587	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5744.9886	-1.9870	Pass
	120	5745.0240	4.1748	Pass
	138	5744.9937	-1.1012	Pass

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_Adapter 1- 802.11n_20M - 5825MHz, ANT 2		
Date of Test	2016/03/23	Test Site	SR7

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5825.0471	8.0840	Pass
-10		5825.0369	6.3329	Pass
0		5824.9930	-1.1975	Pass
10		5824.9951	-0.8389	Pass
20		5824.9701	-5.1286	Pass
30		5824.9626	-6.4242	Pass
40		5824.9542	-7.8658	Pass
50		5824.9931	-1.1832	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5825.0007	0.1183	Pass
	120	5824.9829	-2.9357	Pass
	138	5824.9941	-1.0102	Pass

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_Adapter 1- 802.11n_40M - 5755MHz, ANT 0		
Date of Test	2016/03/23	Test Site	SR7

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5755.0190	3.2959	Pass
-10		5755.0080	1.3937	Pass
0		5754.9914	-1.4960	Pass
10		5754.9604	-6.8816	Pass
20		5754.9966	-0.5935	Pass
30		5754.9855	-2.5129	Pass
40		5754.9727	-4.7406	Pass
50		5754.9435	-9.8098	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5754.9868	-2.2864	Pass
	120	5754.9921	-1.3645	Pass
	138	5754.9609	-6.7880	Pass

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_Adapter 1- 802.11n_40M - 5795MHz, ANT 0		
Date of Test	2016/03/23	Test Site	SR7

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5795.0212	3.6563	Pass
-10		5795.0243	4.1862	Pass
0		5794.9999	-0.0096	Pass
10		5794.9709	-5.0228	Pass
20		5794.9807	-3.3331	Pass
30		5794.9905	-1.6441	Pass
40		5794.9724	-4.7582	Pass
50		5794.9764	-4.0737	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5794.9891	-1.8799	Pass
	120	5794.9763	-4.0878	Pass
	138	5795.0118	2.0343	Pass

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_Adapter 1- 802.11n_40M - 5755MHz, ANT 1		
Date of Test	2016/03/23	Test Site	SR7

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5755.0367	6.3823	Pass
-10		5755.0489	8.5007	Pass
0		5754.9918	-1.4195	Pass
10		5754.9750	-4.3395	Pass
20		5754.9598	-6.9923	Pass
30		5754.9846	-2.6713	Pass
40		5754.9725	-4.7842	Pass
50		5754.9850	-2.6056	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5755.0009	0.1504	Pass
	120	5754.9941	-1.0274	Pass
	138	5755.0127	2.2110	Pass

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_Adapter 1- 802.11n_40M - 5795MHz, ANT 1		
Date of Test	2016/03/23	Test Site	SR7

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5795.0440	7.5949	Pass
-10		5795.0513	8.8444	Pass
0		5794.9997	-0.0575	Pass
10		5794.9884	-2.0077	Pass
20		5794.9560	-7.5959	Pass
30		5794.9713	-4.9574	Pass
40		5794.9549	-7.7844	Pass
50		5794.9621	-6.5380	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5794.9891	-1.8830	Pass
	120	5794.9901	-1.7130	Pass
	138	5795.0040	0.6817	Pass

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_Adapter 1- 802.11n_40M - 5755MHz, ANT 2		
Date of Test	2016/03/23	Test Site	SR7

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5755.0507	8.8063	Pass
-10		5755.0003	0.0464	Pass
0		5754.9827	-3.0060	Pass
10		5754.9934	-1.1536	Pass
20		5754.9775	-3.9059	Pass
30		5754.9952	-0.8305	Pass
40		5754.9664	-5.8389	Pass
50		5754.9825	-3.0373	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5754.9914	-1.4927	Pass
	120	5754.9810	-3.3027	Pass
	138	5754.9995	-0.0894	Pass

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_Adapter 1- 802.11n_40M - 5795MHz, ANT 2		
Date of Test	2016/03/23	Test Site	SR7

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5795.0350	6.0377	Pass
-10		5795.0163	2.8196	Pass
0		5794.9900	-1.7272	Pass
10		5794.9947	-0.9224	Pass
20		5794.9543	-7.8784	Pass
30		5794.9776	-3.8684	Pass
40		5794.9666	-5.7557	Pass
50		5794.9697	-5.2205	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5795.0026	0.4552	Pass
	120	5795.0051	0.8725	Pass
	138	5795.0232	3.9955	Pass

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_Adapter 1- 802.11ac_80M-5775MHz, ANT 0		
Date of Test	2016/03/23	Test Site	SR7

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5775.0203	3.5125	Pass
-10		5775.0035	0.6046	Pass
0		5774.9719	-4.8679	Pass
10		5774.9652	-6.0230	Pass
20		5774.9643	-6.1864	Pass
30		5774.9760	-4.1492	Pass
40		5774.9843	-2.7234	Pass
50		5774.9795	-3.5485	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5775.0028	0.4770	Pass
	120	5775.0026	0.4527	Pass
	138	5775.0034	0.5818	Pass

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_Adapter 1- 802.11ac_80M-5775MHz, ANT 1		
Date of Test	2016/03/23	Test Site	SR7

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5775.0246	4.2664	Pass
-10		5775.0264	4.5736	Pass
0		5774.9878	-2.1071	Pass
10		5774.9987	-0.2255	Pass
20		5774.9787	-3.6801	Pass
30		5774.9874	-2.1801	Pass
40		5774.9613	-6.7089	Pass
50		5774.9570	-7.4442	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5774.9932	-1.1758	Pass
	120	5774.9962	-0.6645	Pass
	138	5774.9768	-4.0198	Pass

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_Adapter 1- 802.11ac_80M-5775MHz, ANT 2		
Date of Test	2016/03/23	Test Site	SR7

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5775.0168	2.9109	Pass
-10		5775.0084	1.4567	Pass
0		5774.9805	-3.3852	Pass
10		5774.9683	-5.4810	Pass
20		5774.9574	-7.3765	Pass
30		5774.9974	-0.4541	Pass
40		5774.9564	-7.5510	Pass
50		5774.9810	-3.2945	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5774.9899	-1.7488	Pass
	120	5774.9796	-3.5349	Pass
	138	5775.0120	2.0795	Pass