FCC Test Report

Product Name ： Wireless-AC2600 Dual WAN VPN Wireless Router

Trade Name ： ASUS

Model No. ： BRT-AC828/M2

FCC ID. ： MSQ-RT0V00

Applicant ： ASUSTeK COMPUTER INC.

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

Date of Receipt ： Nov. 02, 2015

Issued Date ： Nov. 23, 2015

Report No. ： 15B0233R-RFUSP56V00

Report Version ： V1.0

Testing Laboratory
3024

Test Report Certification

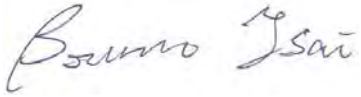
Issued Date : Nov. 23, 2015
Report No. : 15B0233R-RFUSP56V00

Product Name	:	Wireless-AC2600 Dual WAN VPN Wireless Router
Applicant	:	ASUSTeK COMPUTER INC.
Address	:	4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan
Manufacturer	:	ASUSTeK COMPUTER INC.
Model No.	:	BRT-AC828/M2
FCC ID.	:	MSQ-RT0V00
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.
The test report shall not be reproduced except in full without the written approval of QuieTek Corporation.

Documented By : 

(Carol Tsai / Senior Engineering Adm. Specialist)

Tested By : 

(Bruno Tsai / Engineer)

Approved By : 

(Roy Wang / Director)

Revision History

Report No.	Version	Description	Issued Date
15B0233R-RFUSP56V00	V1.0	Initial issue of report	Nov. 23, 2015

Laboratory Information

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

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

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

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1. General Information

1.1. EUT Description

Product Name	Wireless-AC2600 Dual WAN VPN Wireless Router
Trade Name	ASUS
Model No.	BRT-AC828/M2

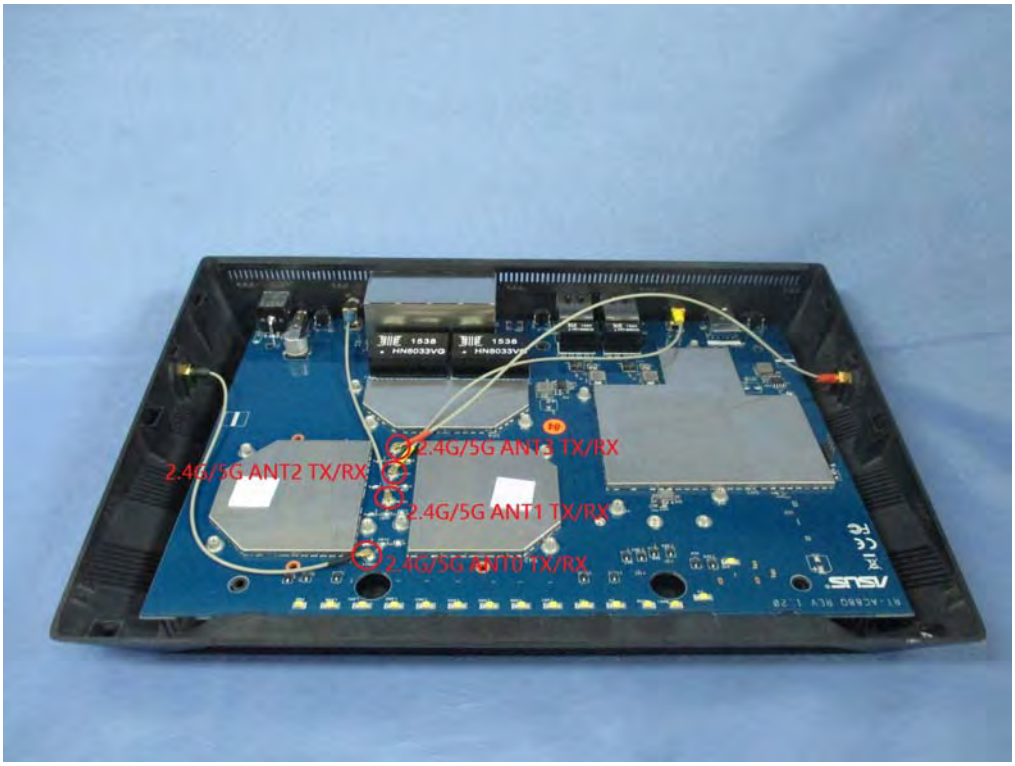
Product Type	WLAN (4TX, 4RX)	
Frequency Range/ Channel Number	IEEE 802.11a/ IEEE 802.11n	5180~5240MHz / 4 Channels
	IEEE 802.11n (40MHz)	5190~5230MHz / 2 Channels
	IEEE 802.11ac (80MHz)	5210~5210MHz / 1 Channel
Type of Modulation	IEEE 802.11a/n/ac	Orthogonal Frequency Division Multiplexing
Data Speed	IEEE 802.11a	6Mbps,9Mbps,12Mbps,18Mbps,24Mbps,36Mbps,48Mbps,54Mbps
	IEEE 802.11n	Support a subset of the combination of GI, MCS 0~MCS 7 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 Type	Dipole	
Antenna Gain	5G:3.19dBi	

Accessories Information	
LAN Cable	Shielded, 1.5m
Power Adatper 1	ASUS., ADP-45BW B I/P: 100-240V~ 50-60Hz 1.2A O/P : 19V⎓2.37A Cable Out: Non-Shielded, 2.2m
Power Adatper 2	ASUS., ADP-65DW B I/P: 100-240V~ 50-60Hz 1.5A O/P : 19V⎓3.42A Cable Out: Non-Shielded, 2.2m
Power Adatper 3	ASUS., AD883J20 I/P: 100-240V~ 50/60Hz 1.0A O/P : 19V⎓2.37A Cable Out: Non-Shielded, 2.0m
Power Adatper 4	ASUS., AD887320 I/P: 100-240V~ 50/60Hz 1.5A O/P : 19V⎓3.42A Cable Out: Non-Shielded, 2.0m

ANT-TX / RX & Bandwidth

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

4TX / 4RX



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

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
24	BPSK	1/2	1	208	432	104	216	26.00	54.00	28.80	60.00
25	QPSK	1/2	2	416	864	208	432	52.00	108.00	57.60	120.00
26	QPSK	3/4	2	416	864	312	648	78.00	162.00	86.80	180.00
27	16-QAM	1/2	4	832	1728	416	864	104.00	216.00	115.60	240.00
28	16-QAM	3/4	4	832	1728	624	1296	156.00	324.00	172.20	360.00
29	64-QAM	2/3	6	1248	2592	832	1728	208.00	432.00	231.20	480.00
30	64-QAM	3/4	6	1248	2592	936	1944	234.00	486.00	260.00	540.00
31	64-QAM	5/6	6	1248	2592	1040	2040	260.00	540.00	288.80	600.00
Note 1: Support of 400ns GI is optional on transmit and receive.											

Table 4 – MCS parameters for TX Antenna number = 4

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	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

4	0	BPSK	1/2	26.0	28.9	54.0	60.0	117.0	130.0	234.0	260.0
	1	QPSK	1/2	52.0	57.8	108.0	120.0	234.0	260.0	468.0	520.0
	2	QPSK	3/4	78.0	86.7	162.0	180.0	351.0	390.0	702.0	780.0
	3	16-QAM	1/2	104.0	115.6	216.0	240.0	468.0	520.0	936.0	1040.0
	4	16-QAM	3/4	156.0	173.3	342.0	360.0	702.0	780.0	1404.0	1560.0
	5	64-QAM	2/3	208.0	231.1	432.0	480.0	936.0	1040.0	1872.0	2080.0
	6	64-QAM	3/4	234.0	260.0	486.0	540.0	1053.0	1170.0	2106.0	2340.0
	7	64-QAM	5/6	260.0	288.9	540.0	600.0	1170.0	1300.0	N/A	N/A
	8	256-QAM	3/4	312.0	346.7	648.0	720.0	1404.0	1560.0	2808.0	3120.0
	9	256-QAM	5/6	N/A	N/A	720.0	800.0	1560.0	1733.3	3120.0	3466.7

IEEE 802.11a & IEEE 802.11n (20MHz)

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
36	5180 MHz	40	5200 MHz	44	5220 MHz	48	5240 MHz

IEEE 802.11n (40MHz)

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz				

IEEE 802.11ac (80MHz)

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

Note:

1. This device is an Wireless-AC2600 Dual WAN VPN Wireless Router including 2.4GHz b/g/n (4x4) and 5GHz a/n/ac (4x4) transmitting and receiving function.
2. These test results on a sample of the device are for the purpose of demonstrating Compliance with Part 15 Subpart E Paragraph 15.407.
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 5.2GHz is performed according to the UNII Test Procedures New Rules.
5. The function of the 2.4GHz & 5.8GHz transmitting is measured and makes a test report of the report number: 15B0233R-RFUSP28V00.
6. This device is a composite device in accordance with Part 15 regulations. The receiving function receiving was tested and its test report number is 15B0233R-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_CDD Mode_Adapter 1 Mode 2: Transmit_Adapter 2 Mode 3: Transmit_Adapter 3 Mode 4: Transmit_Adapter 4

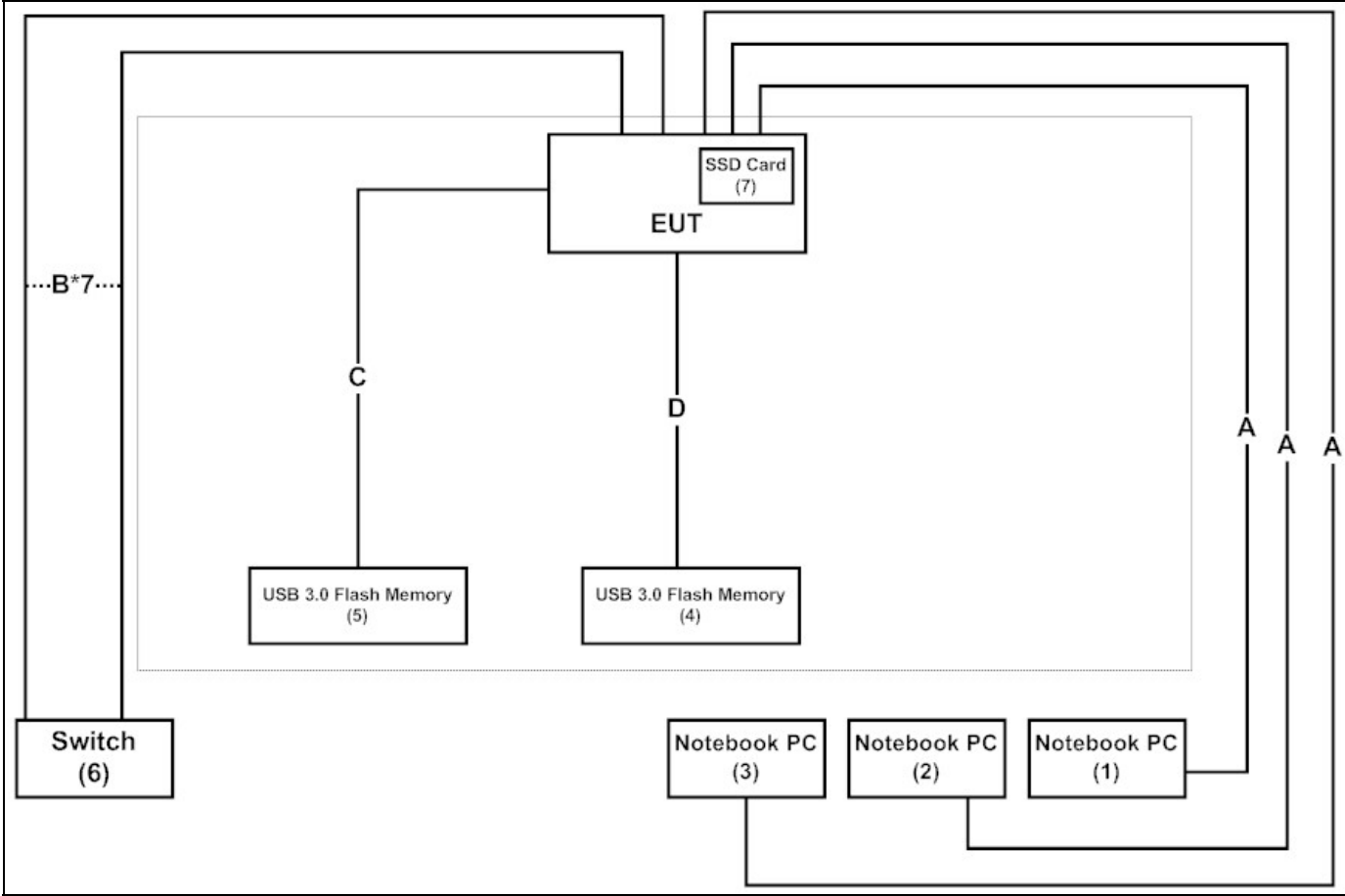
Test Items	Modulation	Channel	Antenna	Result
Conducted Emission	11ac (80MHz)	42	0+1+2+3	Complies
99 % & 26dB Bandwidth	11a	36/44/48	0/1/2/3	Complies
	11n (20MHz)	36/44/48	0/1/2/3	Complies
	11n (40MHz)	38/46	0/1/2/3	Complies
	11ac (80MHz)	42	0/1/2/3	Complies
Peak Transmit Output	11a	36/44/48	0+1+2+3	Complies
	11n (20MHz)	36/44/48	0+1+2+3	Complies
	11n (40MHz)	38/46	0+1+2+3	Complies
	11ac (80MHz)	42	0+1+2+3	Complies
Peak Power Spectrum Density	11a	36/44/48	0+1+2+3	Complies
	11n (20MHz)	36/44/48	0+1+2+3	Complies
	11n (40MHz)	38/46	0+1+2+3	Complies
	11ac (80MHz)	42	0+1+2+3	Complies
Radiated Emission	11a	36/44/48	0+1+2+3	Complies
	11n (20MHz)	36/44/48	0+1+2+3	Complies
	11n (40MHz)	38/46	0+1+2+3	Complies
	11ac (80MHz)	42	0+1+2+3	Complies
Band Edge	11a	36/44/48	0+1+2+3	Complies
	11n (20MHz)	36/44/48	0+1+2+3	Complies
	11n (40MHz)	38/46	0+1+2+3	Complies
	11ac (80MHz)	42	0+1+2+3	Complies
Frequency Stability	11a	36/48	0/1/2/3	Complies
	11n (20MHz)	36/48	0/1/2/3	Complies
	11n (40MHz)	38/46	0/1/2/3	Complies
	11ac (80MHz)	42	0/1/2/3	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	Notebook PC	Lenovo	B590	WB1529782	DoC	Non-Shielded, 1.8m, one ferrite core bonded
2	Notebook PC	ASUS	K45VD	K45VD-0343G3110M	DoC	Non-Shielded, 1.8m
3	Notebook PC	ACER	MS2296	LUSCV021391150332C2000	DoC	Non-Shielded, 2.5m one ferrite core bonded
4	USB 3.0 Flash Memory	Verbatim	16GB	N/A	DoC	--
5	USB 3.0 Flash Memory	Verbatim	16GB	N/A	DoC	--
6	Switch	D-Link	DGS1216T	F360298000042	DoC	--
7	SSD Card	Transcend	TS512GM TS800	C18573-0461	DoC	--

1.4. Configuration of tested System

Connection Diagram


Signal Cable Type		Signal cable Description
A	LAN Cable	Non-Shielded, 10m, 3 Pcs
B	LAN Cable	Non-Shielded, 10m, 7 Pcs
C	USB 3.0 Flash Memory Cable	Non-Shielded, 1.5m
D	USB 3.0 Flash Memory Cable	Non-Shielded, 1.5m

1.5. EUT Exercise Software

1	Setup the EUT as shown in Section 1.4.
2	Execute the telnet command 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
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 E 15.407 99 % & 26dB Bandwidth	15 - 35	25
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 E 15.407 Peak Transmit Power	15 - 35	25
Humidity (%RH)		25 - 75	65
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 E 15.407 Peak Power Spectrum Density	15 - 35	25
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 E 15.407 Radiated Emission	15 - 35	25
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 E 15.407 Band Edge	15 - 35	25
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 E 15.407 Frequency Stability	15 - 35	25
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000

2. Conducted Emission

2.1. Test Equipment

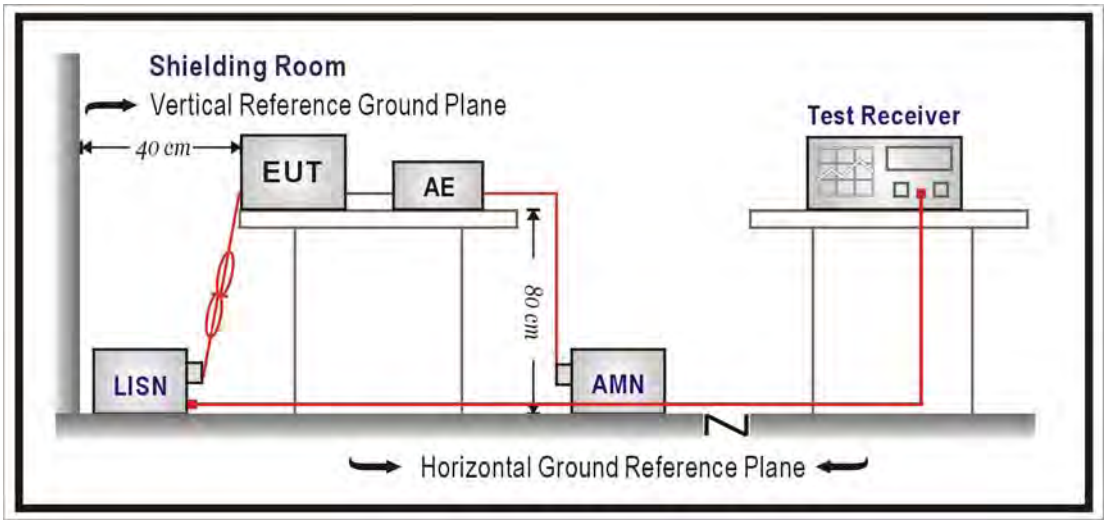
The following test equipments are used during the test:

Conducted Emission / SR2

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

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

2.2. Test Setup



2.3. Limits

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

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

2.4. Test Procedure

The EUT was setup according to ANSI C63.10: 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

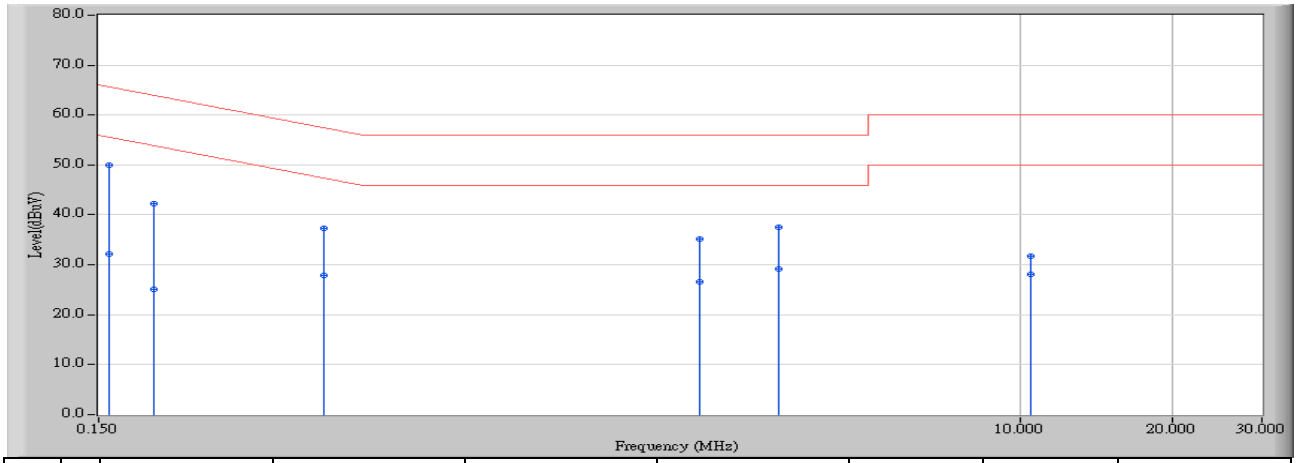
According to FCC Part 15 Subpart C Paragraph 15.207: 2014

2.6. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

2.7. Test Result

Site : SR2	**Time : 2015/11/17 - 19:17**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-5_0818 - Line1	**Power : AC 120 V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11ac(80M)_5210MHz**

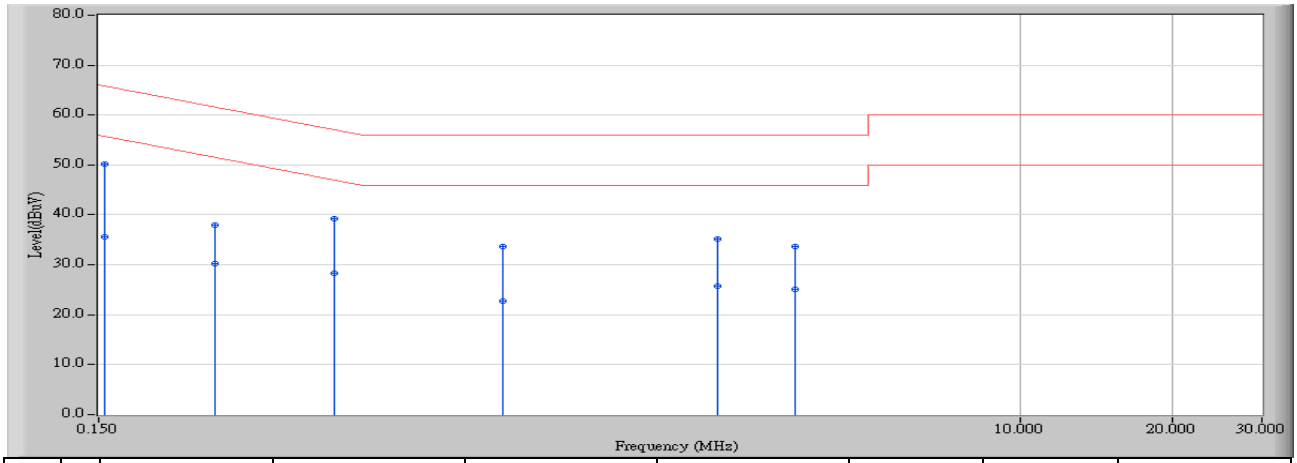


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.158	9.690	40.190	49.880	-15.698	65.578	QUASIPEAK
2		0.158	9.690	22.570	32.260	-23.318	55.578	AVERAGE
3		0.193	9.688	32.600	42.288	-21.620	63.908	QUASIPEAK
4		0.193	9.688	15.390	25.078	-28.830	53.908	AVERAGE
5		0.420	9.708	27.540	37.248	-20.209	57.457	QUASIPEAK
6		0.420	9.708	18.130	27.838	-19.619	47.457	AVERAGE
7		2.322	9.794	25.420	35.214	-20.786	56.000	QUASIPEAK
8		2.322	9.794	16.700	26.494	-19.506	46.000	AVERAGE
9		3.330	9.837	27.710	37.548	-18.452	56.000	QUASIPEAK
10		3.330	9.837	19.300	29.138	-16.862	46.000	AVERAGE
11		10.498	10.120	21.690	31.810	-28.190	60.000	QUASIPEAK
12		10.498	10.120	17.950	28.070	-21.930	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 : 2015/11/17 - 19:23**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-5_0818 - Line2	**Power : AC 120 V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11ac(80M)_5210MHz**

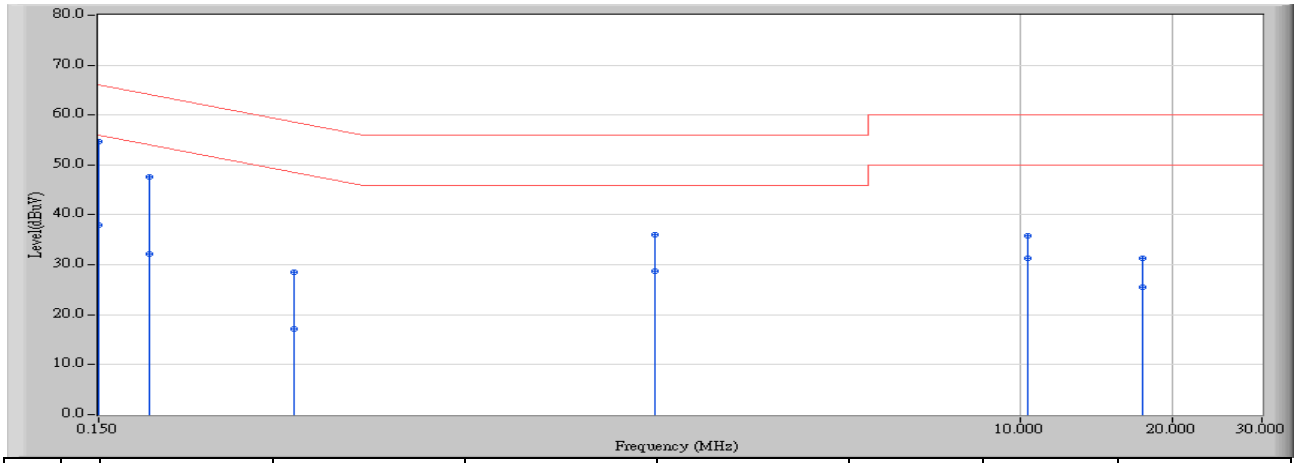


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.154	9.762	40.490	50.252	-15.535	65.786	QUASIPEAK
2		0.154	9.762	25.830	35.592	-20.195	55.786	AVERAGE
3		0.255	9.772	28.290	38.062	-23.515	61.577	QUASIPEAK
4		0.255	9.772	20.470	30.242	-21.335	51.577	AVERAGE
5		0.439	9.792	29.490	39.282	-17.798	57.079	QUASIPEAK
6		0.439	9.792	18.540	28.332	-18.748	47.079	AVERAGE
7		0.943	9.809	23.830	33.639	-22.361	56.000	QUASIPEAK
8		0.943	9.809	12.940	22.749	-23.251	46.000	AVERAGE
9		2.513	9.890	25.240	35.130	-20.870	56.000	QUASIPEAK
10		2.513	9.890	15.920	25.810	-20.190	46.000	AVERAGE
11		3.576	9.930	23.840	33.770	-22.230	56.000	QUASIPEAK
12		3.576	9.930	15.180	25.110	-20.890	46.000	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 : 2015/11/17 - 14:14**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-5_0818 - Line1	**Power : AC 120 V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 2: Transmit_Adapter 2 802.11ac(80M)_5210MHz**

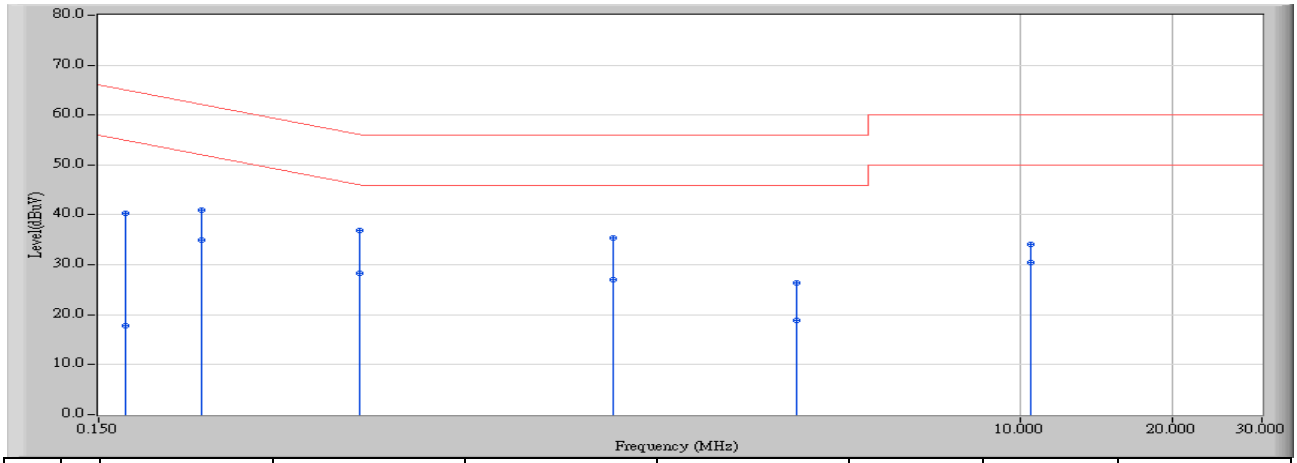


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.150	9.692	44.920	54.612	-11.388	66.000	QUASIPEAK
2		0.150	9.692	28.280	37.972	-18.028	56.000	AVERAGE
3		0.189	9.687	37.890	47.578	-16.500	64.078	QUASIPEAK
4		0.189	9.687	22.590	32.278	-21.800	54.078	AVERAGE
5		0.365	9.703	18.750	28.452	-30.165	58.617	QUASIPEAK
6		0.365	9.703	7.440	17.142	-31.475	48.617	AVERAGE
7		1.896	9.774	26.190	35.964	-20.036	56.000	QUASIPEAK
8		1.896	9.774	18.890	28.664	-17.336	46.000	AVERAGE
9		10.298	10.116	25.720	35.836	-24.164	60.000	QUASIPEAK
10		10.298	10.116	21.170	31.286	-18.714	50.000	AVERAGE
11		17.388	10.284	21.110	31.394	-28.606	60.000	QUASIPEAK
12		17.388	10.284	15.310	25.594	-24.406	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 : 2015/11/17 - 14:16**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-5_0818 - Line2	**Power : AC 120 V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 2: Transmit_Adapter 2 802.11ac(80M)_5210MHz**

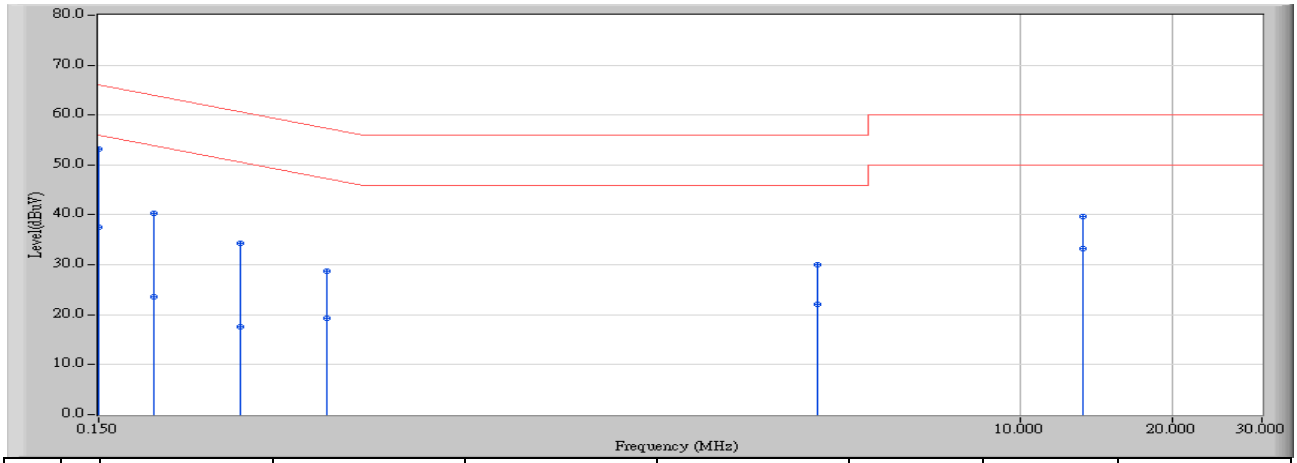


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.170	9.763	30.610	40.373	-24.611	64.983	QUASIPEAK
2		0.170	9.763	7.940	17.703	-37.281	54.983	AVERAGE
3		0.240	9.771	31.230	41.001	-21.101	62.102	QUASIPEAK
4	*	0.240	9.771	25.190	34.961	-17.141	52.102	AVERAGE
5		0.494	9.801	27.140	36.940	-19.164	56.104	QUASIPEAK
6		0.494	9.801	18.440	28.240	-17.864	46.104	AVERAGE
7		1.564	9.844	25.460	35.304	-20.696	56.000	QUASIPEAK
8		1.564	9.844	17.190	27.034	-18.966	46.000	AVERAGE
9		3.603	9.931	16.370	26.301	-29.699	56.000	QUASIPEAK
10		3.603	9.931	8.890	18.821	-27.179	46.000	AVERAGE
11		10.443	10.143	23.950	34.092	-25.908	60.000	QUASIPEAK
12		10.443	10.143	20.390	30.532	-19.468	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 : 2015/11/19 - 10:20**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-5_0818 - Line1	**Power : AC 120 V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 3: Transmit_Adapter 3 802.11ac(80M)_5210MHz**

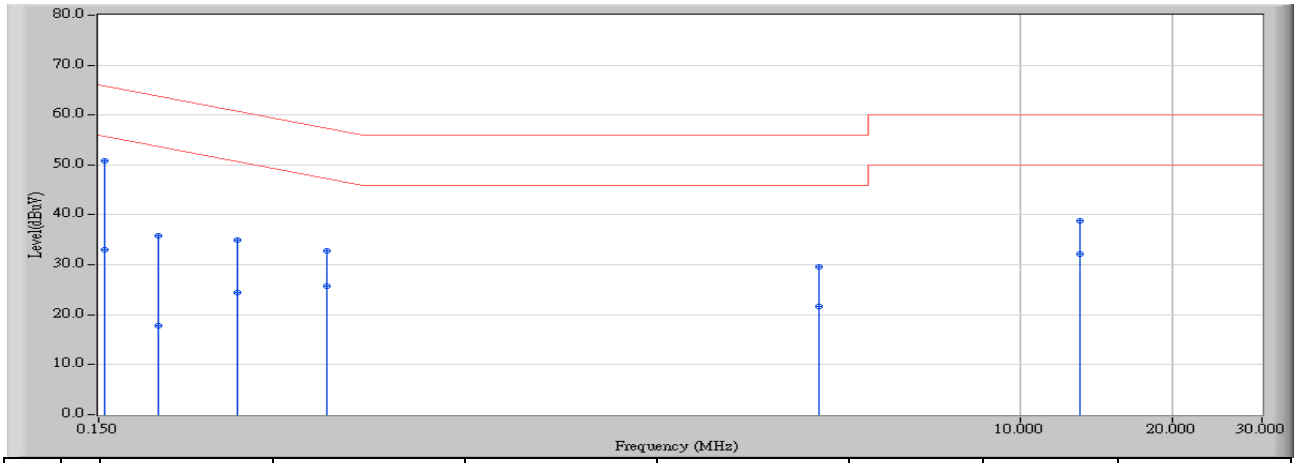


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.150	9.692	43.480	53.172	-12.828	66.000	QUASIPEAK
2		0.150	9.692	27.880	37.572	-18.428	56.000	AVERAGE
3		0.193	9.688	30.680	40.368	-23.540	63.908	QUASIPEAK
4		0.193	9.688	13.950	23.638	-30.270	53.908	AVERAGE
5		0.287	9.695	24.570	34.265	-26.353	60.619	QUASIPEAK
6		0.287	9.695	7.930	17.625	-32.993	50.619	AVERAGE
7		0.423	9.709	19.100	28.809	-28.572	57.380	QUASIPEAK
8		0.423	9.709	9.500	19.209	-28.172	47.380	AVERAGE
9		3.966	9.866	20.190	30.055	-25.945	56.000	QUASIPEAK
10		3.966	9.866	12.320	22.185	-23.815	46.000	AVERAGE
11		13.279	10.179	29.580	39.759	-20.241	60.000	QUASIPEAK
12		13.279	10.179	23.100	33.279	-16.721	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 : 2015/11/19 - 10:29**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-5_0818 - Line2	**Power : AC 120 V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 3: Transmit_Adapter 3 802.11ac(80M)_5210MHz**

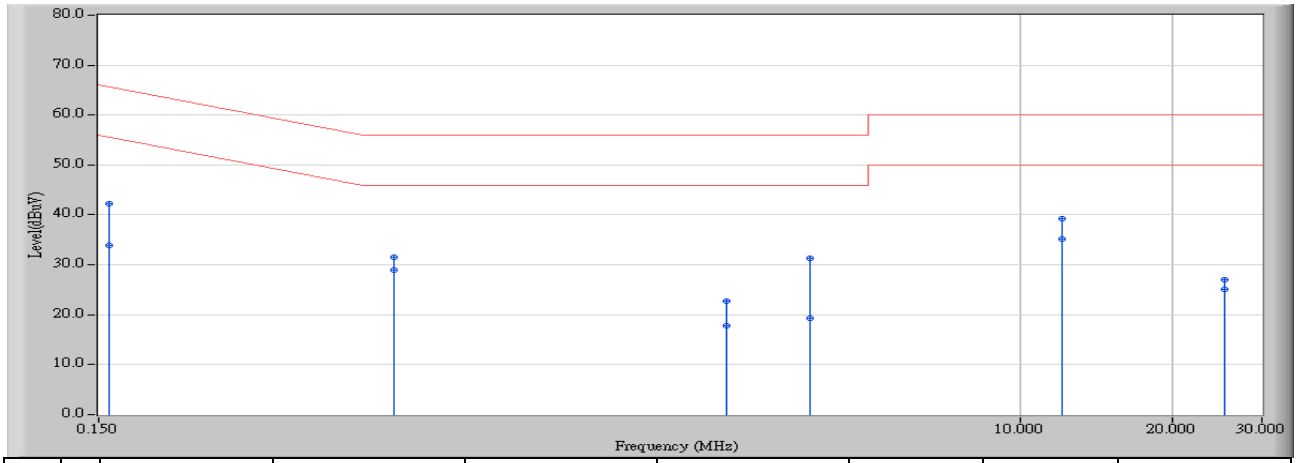


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.154	9.762	41.030	50.792	-14.994	65.786	QUASIPEAK
2		0.154	9.762	23.360	33.122	-22.664	55.786	AVERAGE
3		0.197	9.767	26.120	35.886	-27.855	63.741	QUASIPEAK
4		0.197	9.767	8.030	17.796	-35.945	53.741	AVERAGE
5		0.283	9.775	25.220	34.995	-25.738	60.733	QUASIPEAK
6		0.283	9.775	14.770	24.545	-26.188	50.733	AVERAGE
7		0.423	9.789	23.130	32.919	-24.461	57.380	QUASIPEAK
8		0.423	9.789	15.860	25.649	-21.731	47.380	AVERAGE
9		3.982	9.946	19.550	29.496	-26.504	56.000	QUASIPEAK
10		3.982	9.946	11.630	21.576	-24.424	46.000	AVERAGE
11		13.064	10.155	28.610	38.765	-21.235	60.000	QUASIPEAK
12		13.064	10.155	22.050	32.205	-17.795	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 : 2015/11/17 - 15:01**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-5_0818 - Line1	**Power : AC 120 V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 4: Transmit_Adapter 4 802.11ac(80M)_5210MHz**

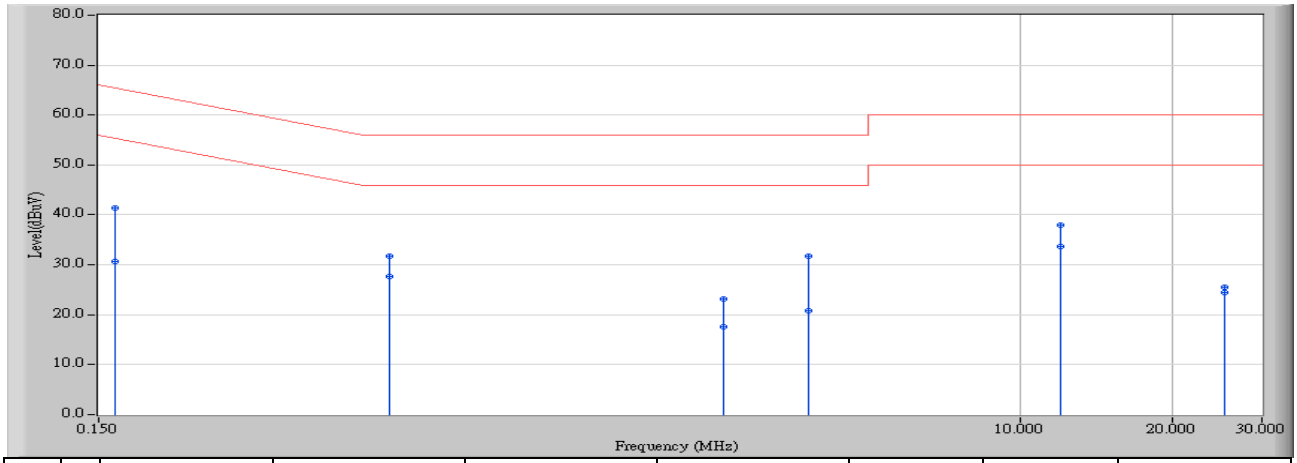


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.158	9.690	32.660	42.350	-23.228	65.578	QUASIPEAK
2		0.158	9.690	24.110	33.800	-21.778	55.578	AVERAGE
3		0.576	9.720	21.820	31.540	-24.460	56.000	QUASIPEAK
4		0.576	9.720	19.220	28.940	-17.060	46.000	AVERAGE
5		2.627	9.807	12.960	22.767	-33.233	56.000	QUASIPEAK
6		2.627	9.807	8.060	17.867	-28.133	46.000	AVERAGE
7		3.830	9.859	21.520	31.379	-24.621	56.000	QUASIPEAK
8		3.830	9.859	9.420	19.279	-26.721	46.000	AVERAGE
9		12.041	10.153	29.200	39.353	-20.647	60.000	QUASIPEAK
10	*	12.041	10.153	24.990	35.143	-14.857	50.000	AVERAGE
11		25.232	10.470	16.480	26.949	-33.051	60.000	QUASIPEAK
12		25.232	10.470	14.720	25.189	-24.811	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 : 2015/11/17 - 15:04**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-5_0818 - Line2	**Power : AC 120 V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 4: Transmit_Adapter 4 802.11ac(80M)_5210MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.162	9.762	31.610	41.372	-24.003	65.375	QUASIPEAK
2		0.162	9.762	20.840	30.602	-24.773	55.375	AVERAGE
3		0.564	9.803	21.870	31.673	-24.327	56.000	QUASIPEAK
4		0.564	9.803	17.880	27.683	-18.317	46.000	AVERAGE
5		2.591	9.893	13.350	23.243	-32.757	56.000	QUASIPEAK
6		2.591	9.893	7.640	17.533	-28.467	46.000	AVERAGE
7		3.810	9.939	21.730	31.669	-24.331	56.000	QUASIPEAK
8		3.810	9.939	10.920	20.859	-25.141	46.000	AVERAGE
9		12.029	10.150	27.830	37.980	-22.020	60.000	QUASIPEAK
10	*	12.029	10.150	23.540	33.690	-16.310	50.000	AVERAGE
11		25.232	10.256	15.250	25.506	-34.494	60.000	QUASIPEAK
12		25.232	10.256	14.100	24.356	-25.644	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% & 26dB Bandwidth

3.1. Test Equipment

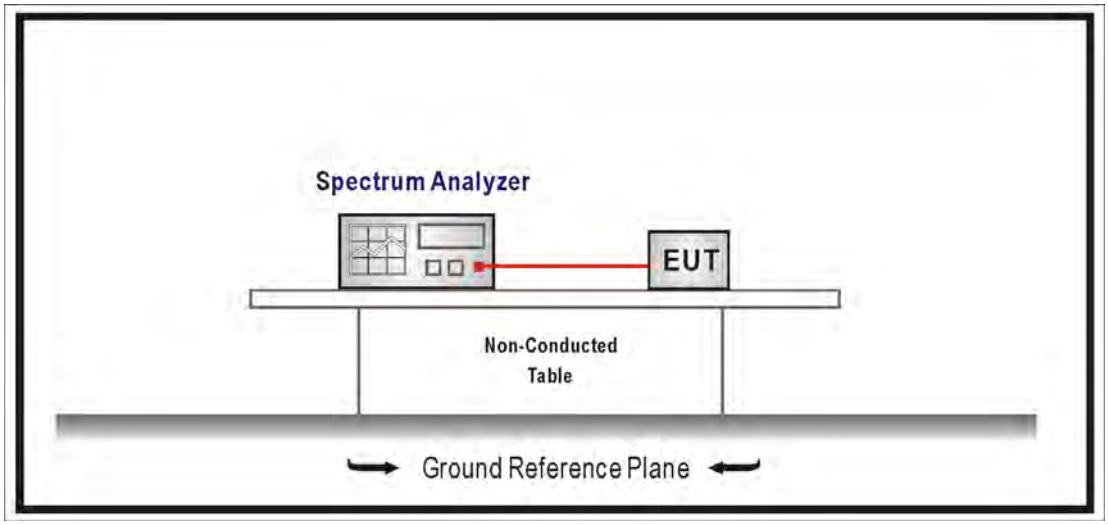
The following test equipments are used during the radiated emission tests:

99% & 26dB Bandwidth / SR7

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

Note: 1. 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

3.4. Test Procedure

99% & 26dB Bandwidth :
The EUT was tested according to U-NII test procedure of 789033 D02 General UNII Test Procedures New Rules v01 .
Set RBW 1% of the emission bandwidth, VBW equal to 3 times the RBW.

3.5. Uncertainty

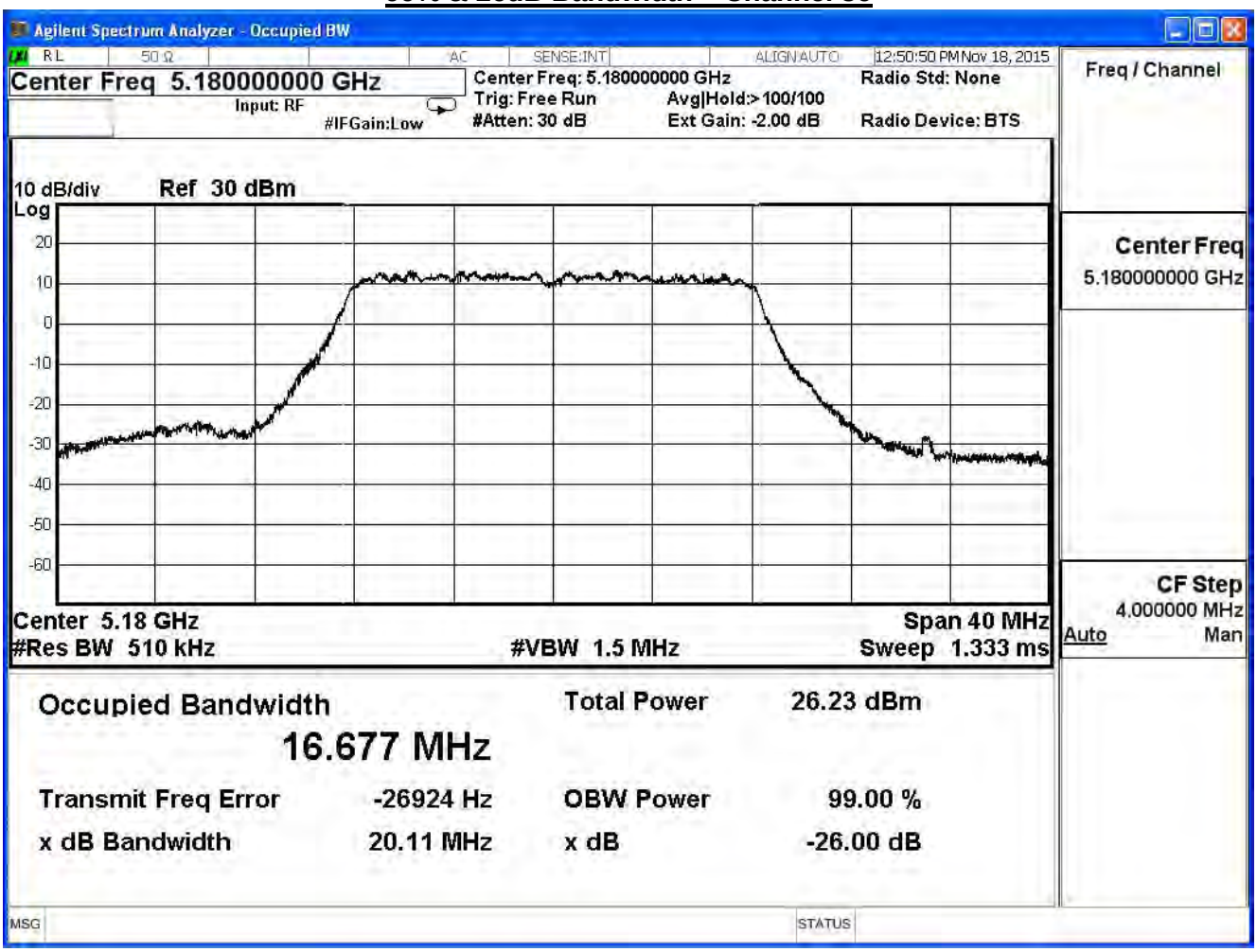
The measurement uncertainty is defined as ±150Hz

3.6. Test Result

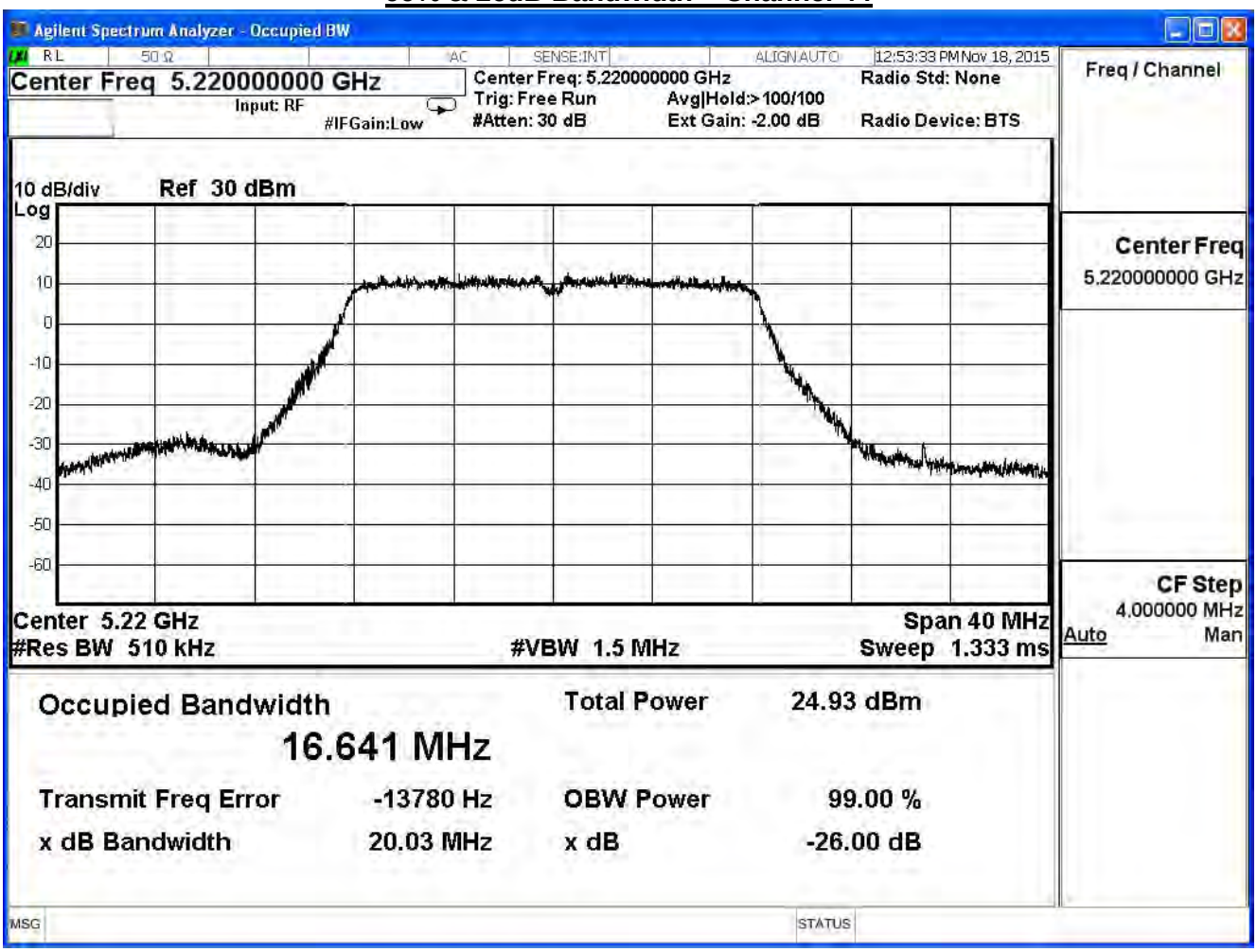
Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

802.11a (ANT 0)					
Channel No.	Frequency (MHz)	26dB Bandwidth	99% Bandwidth	Limit (MHz)	Result
		Measure Level (MHz)			
36	5180	20.11	16.68	--	Pass
44	5220	20.03	16.64	--	Pass
48	5240	20.06	16.66	--	Pass

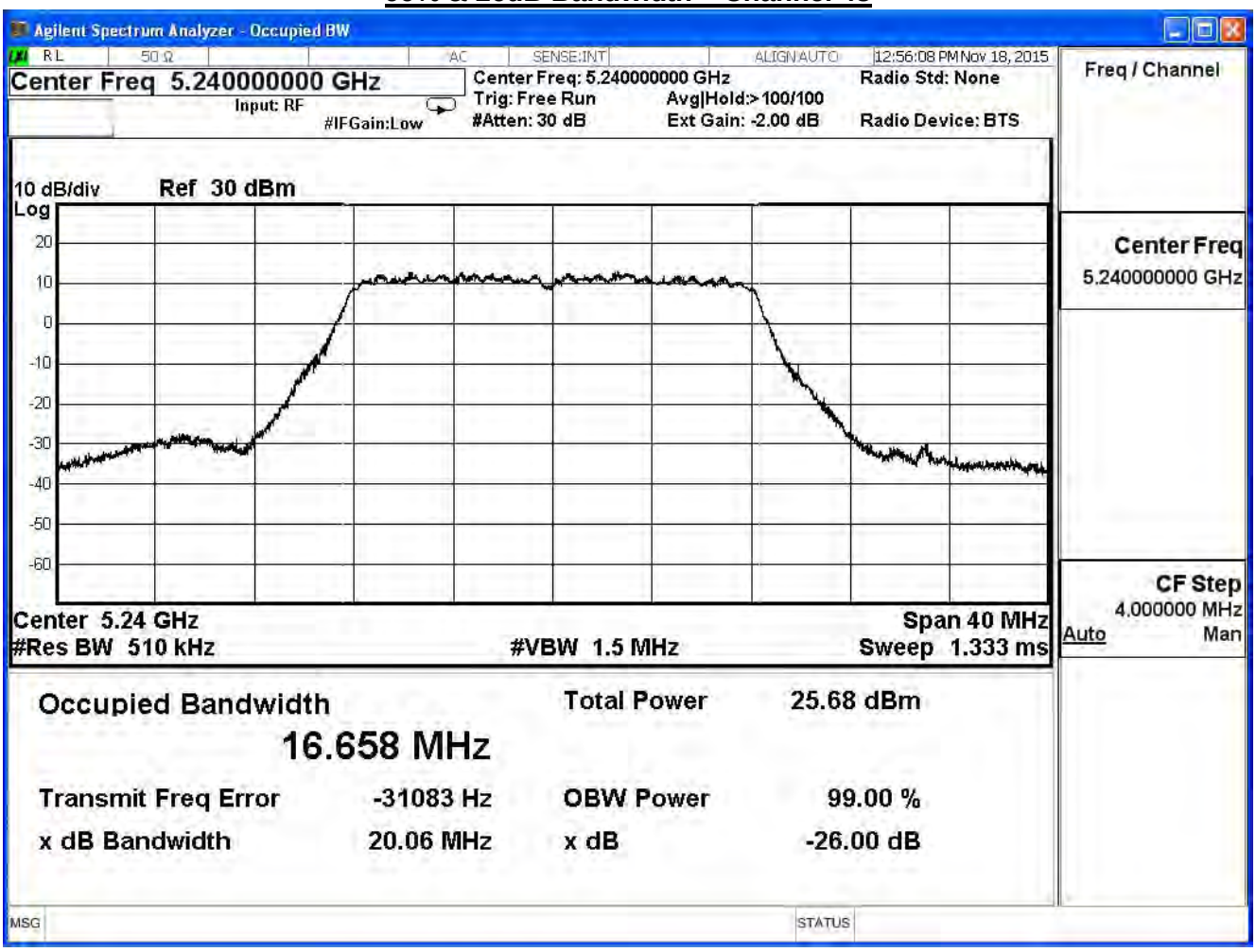
99% & 26dB Bandwidth – Channel 36



99% & 26dB Bandwidth – Channel 44



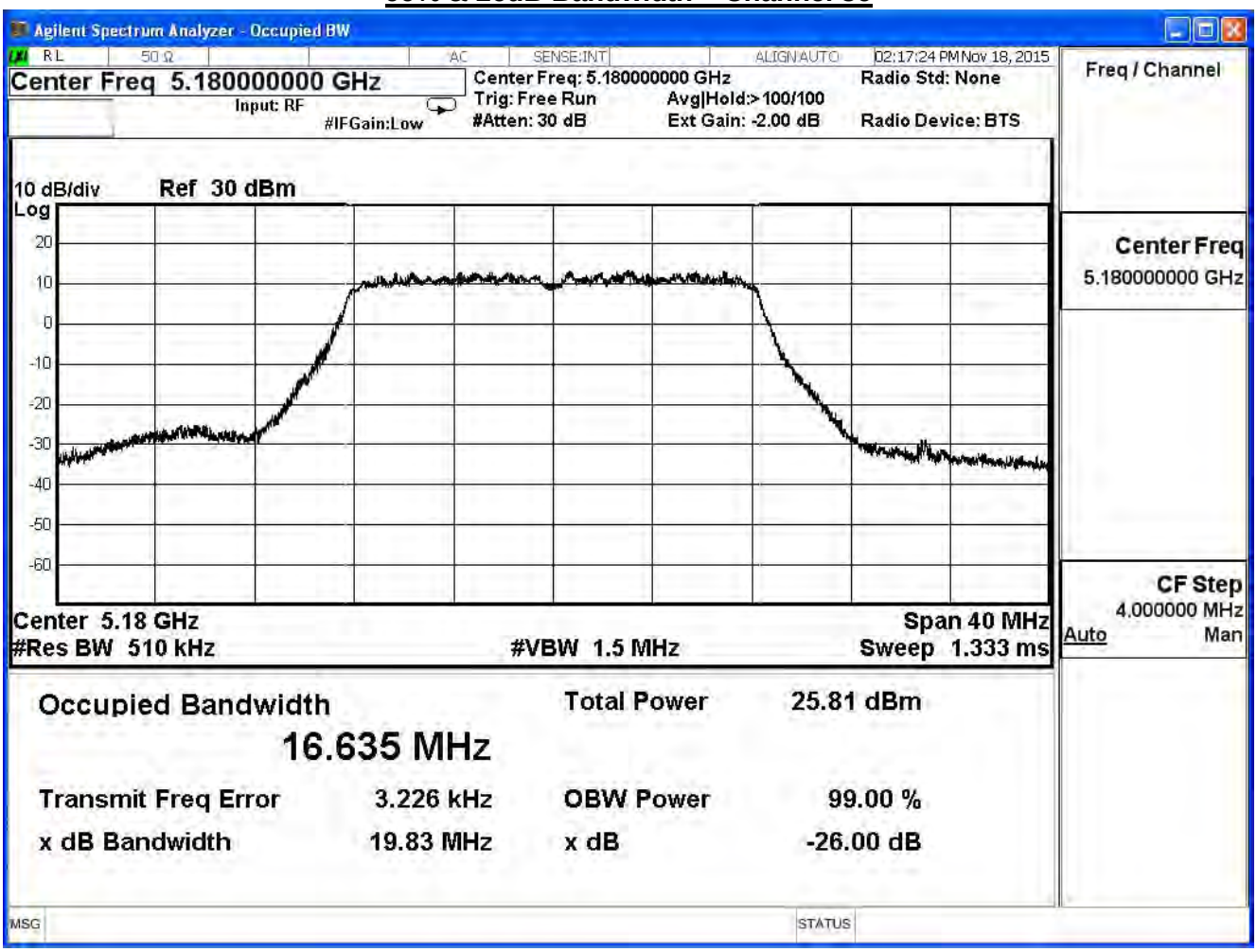
99% & 26dB Bandwidth – Channel 48



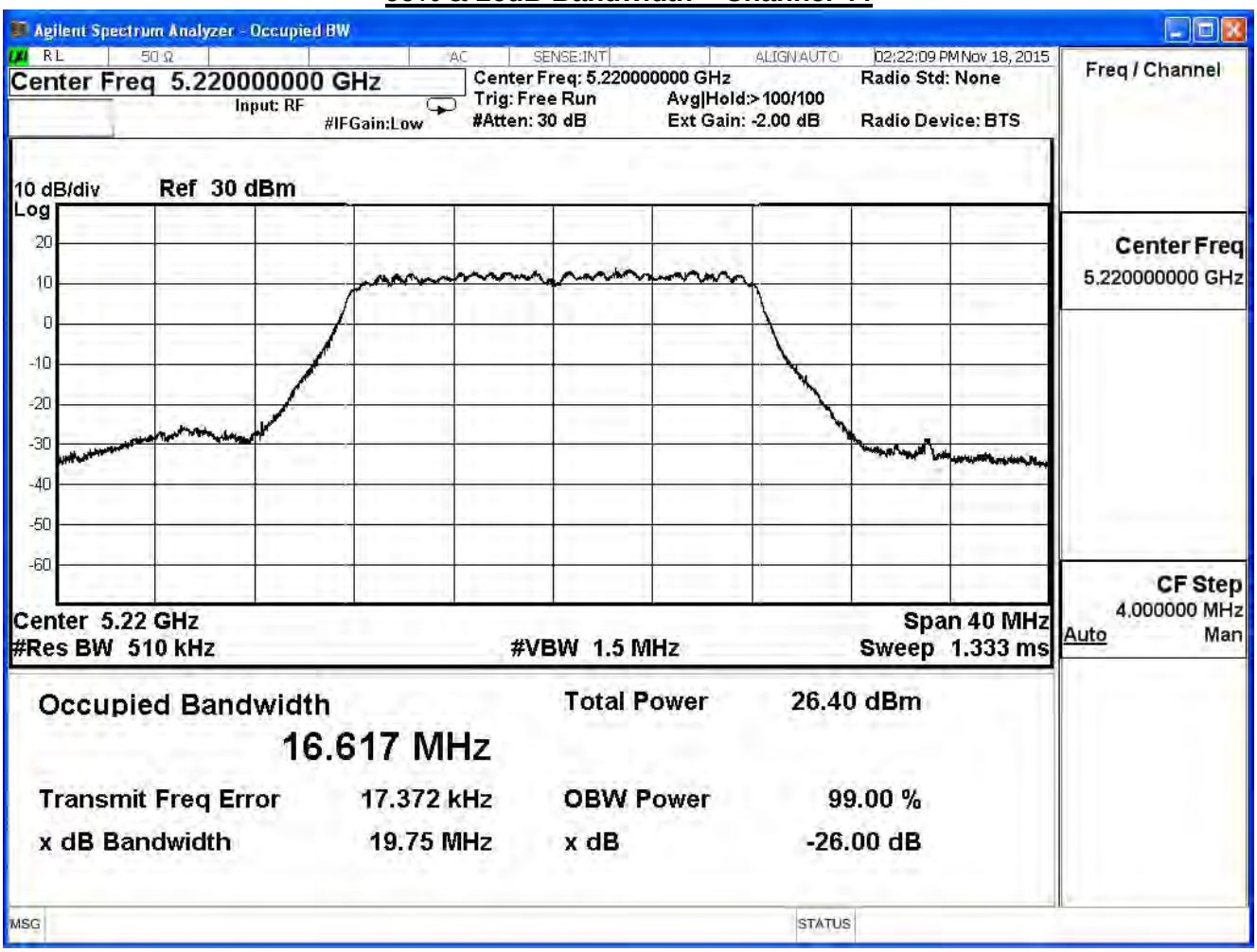
Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

802.11a (ANT 1)					
Channel No.	Frequency (MHz)	26dB Bandwidth	99% Bandwidth	Limit (MHz)	Result
		Measure Level (MHz)			
36	5180	19.83	16.64	--	Pass
44	5220	19.75	16.62	--	Pass
48	5240	19.73	16.59	--	Pass

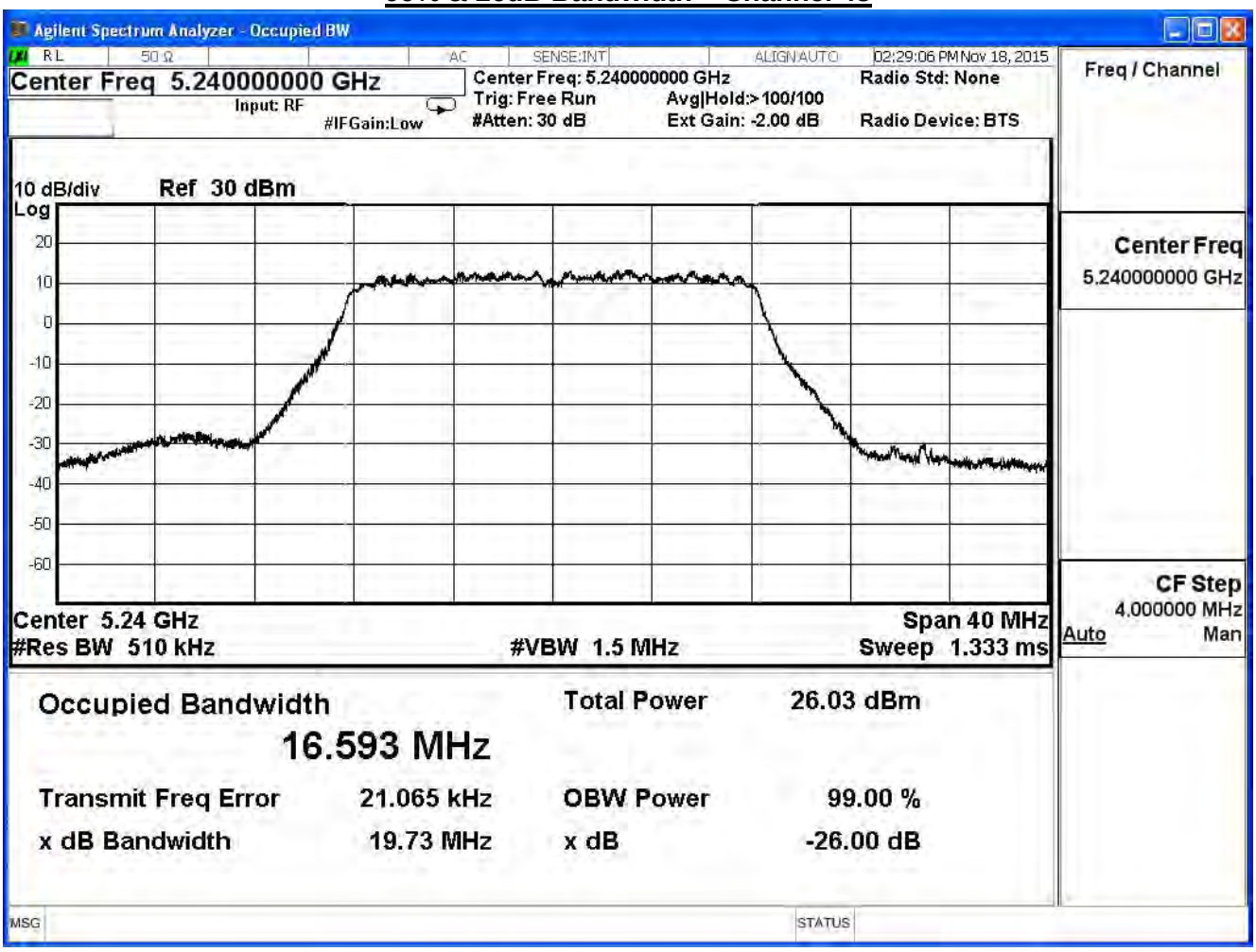
99% & 26dB Bandwidth – Channel 36



99% & 26dB Bandwidth – Channel 44



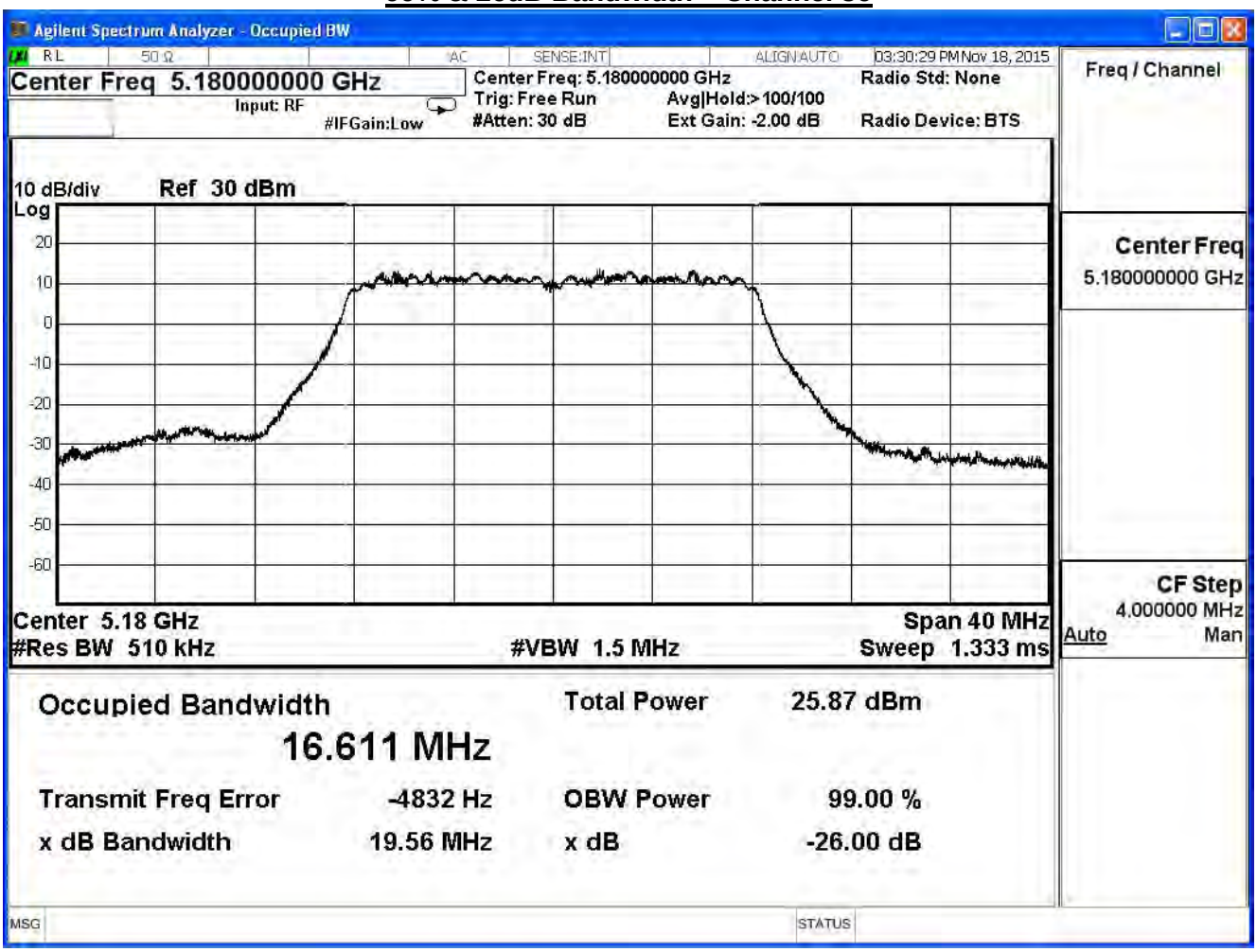
99% & 26dB Bandwidth – Channel 48



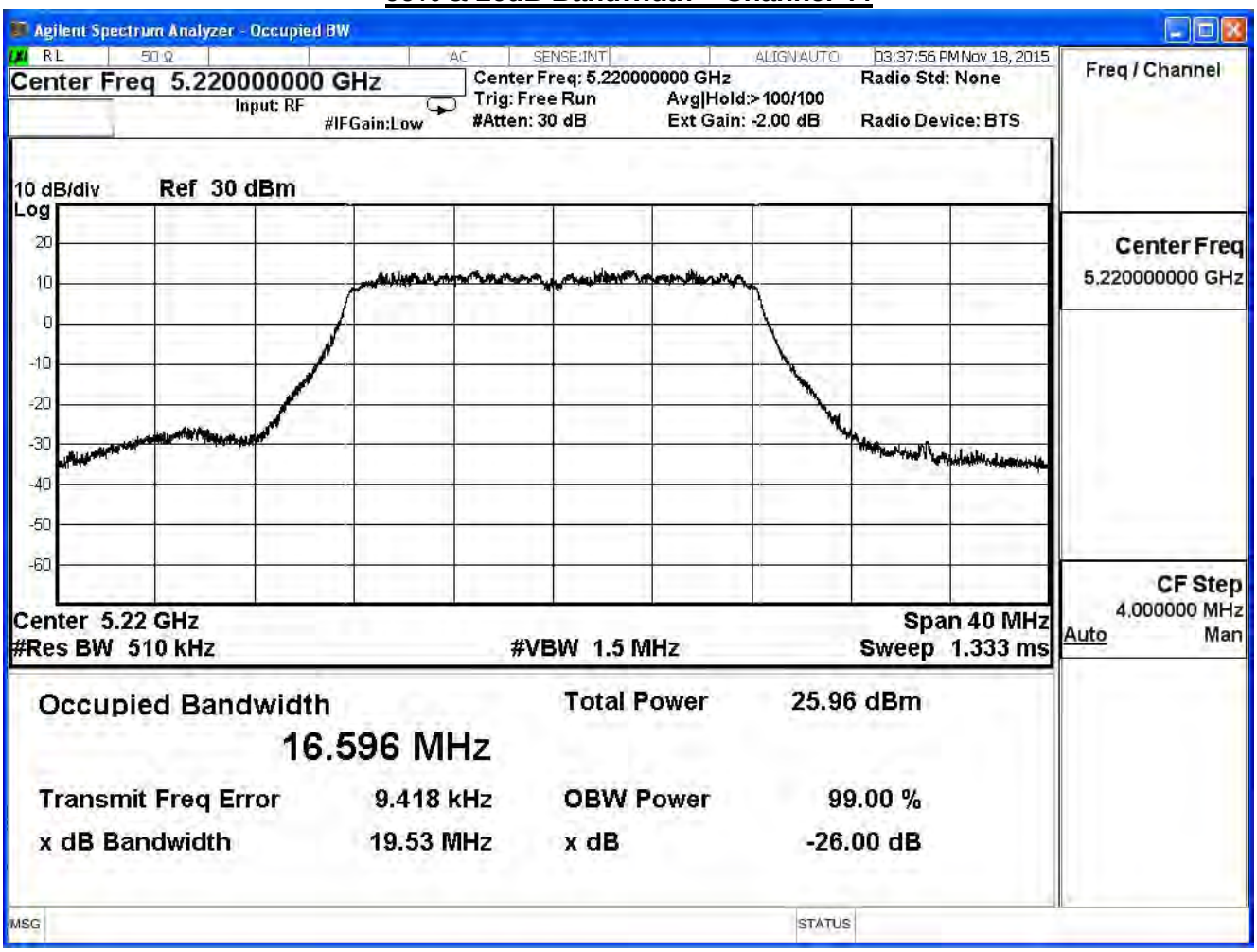
Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

802.11a (ANT 2)					
Channel No.	Frequency (MHz)	26dB Bandwidth	99% Bandwidth	Limit (MHz)	Result
		Measure Level (MHz)			
36	5180	19.56	16.61	--	Pass
44	5220	19.53	16.60	--	Pass
48	5240	19.59	16.58	--	Pass

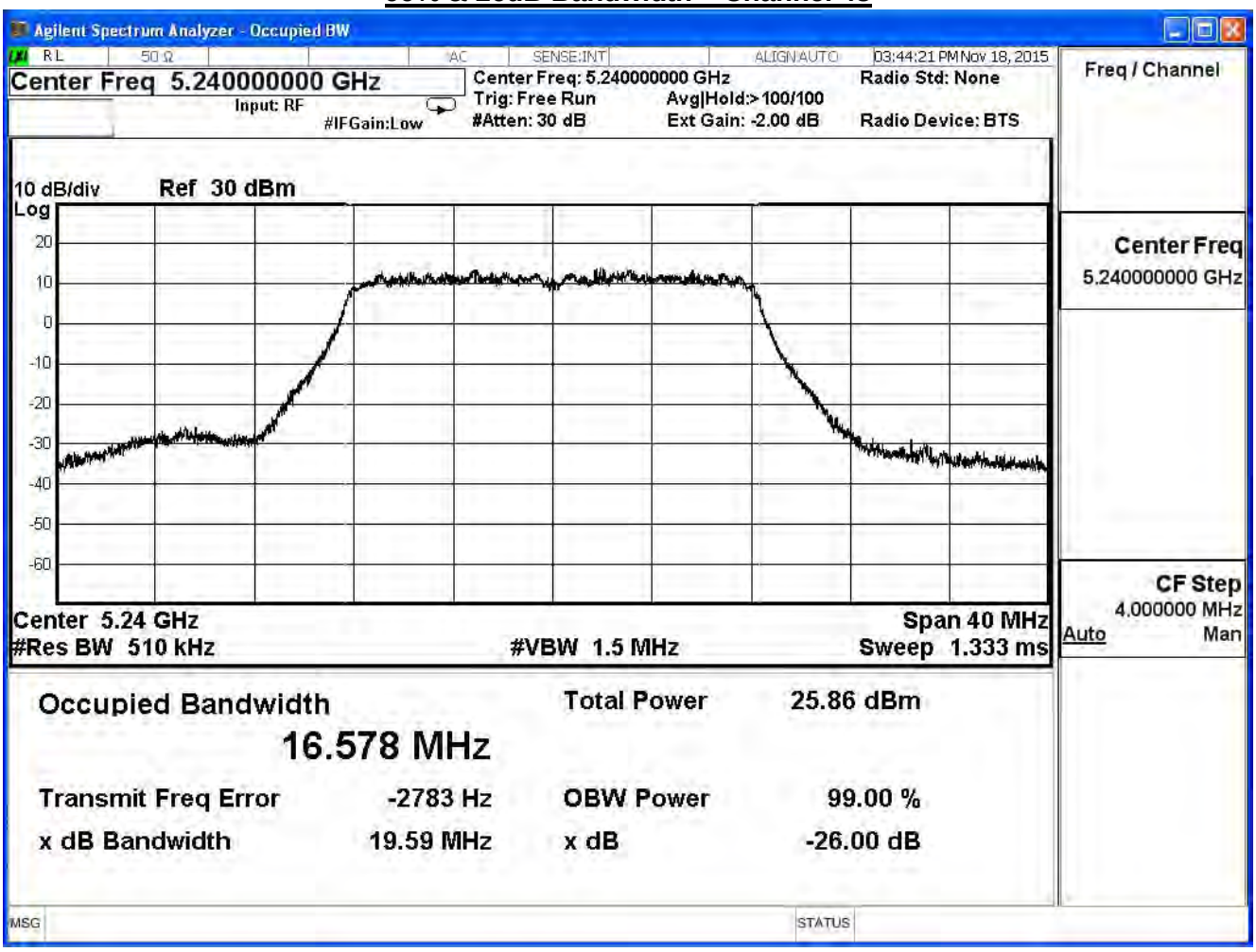
99% & 26dB Bandwidth – Channel 36



99% & 26dB Bandwidth – Channel 44



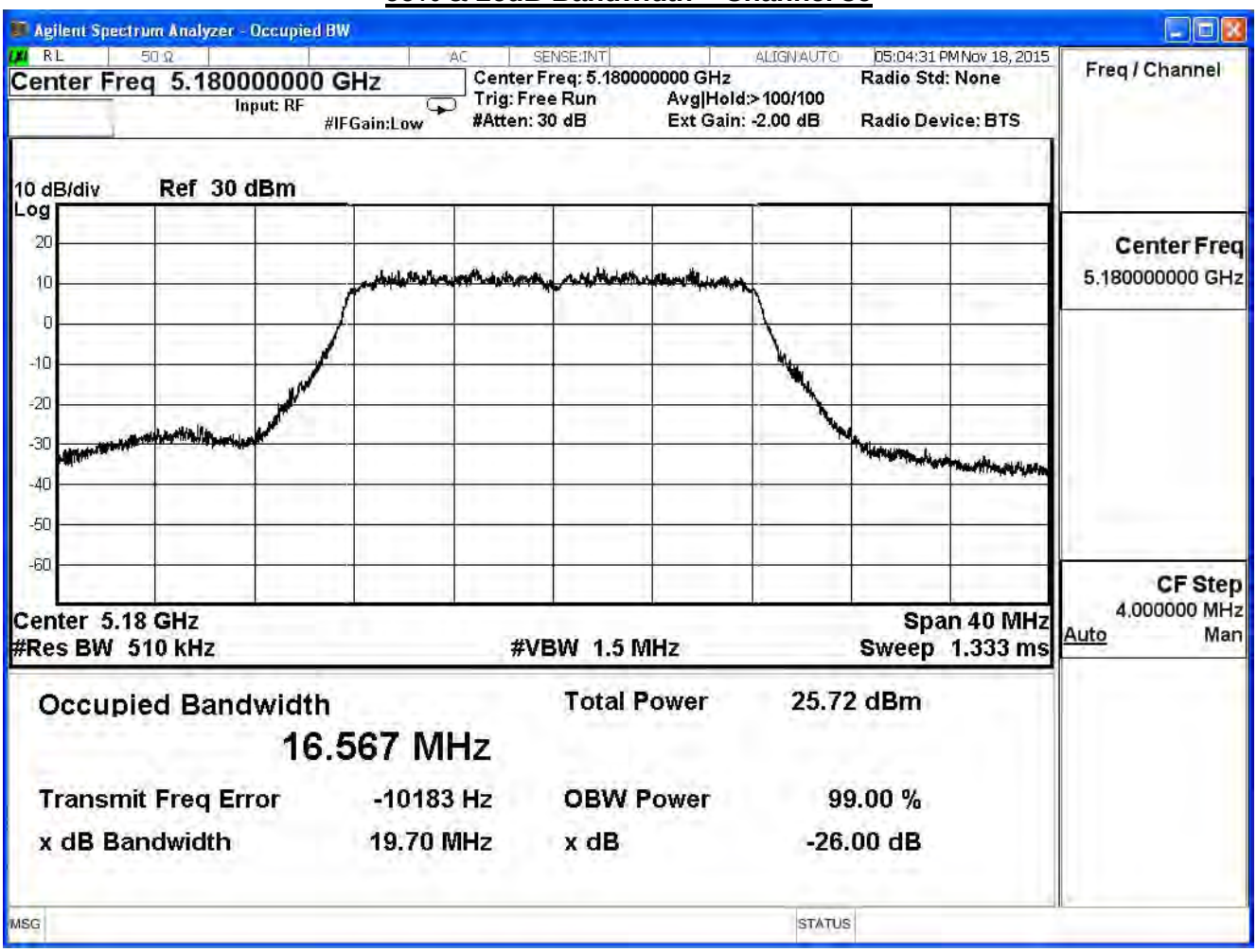
99% & 26dB Bandwidth – Channel 48



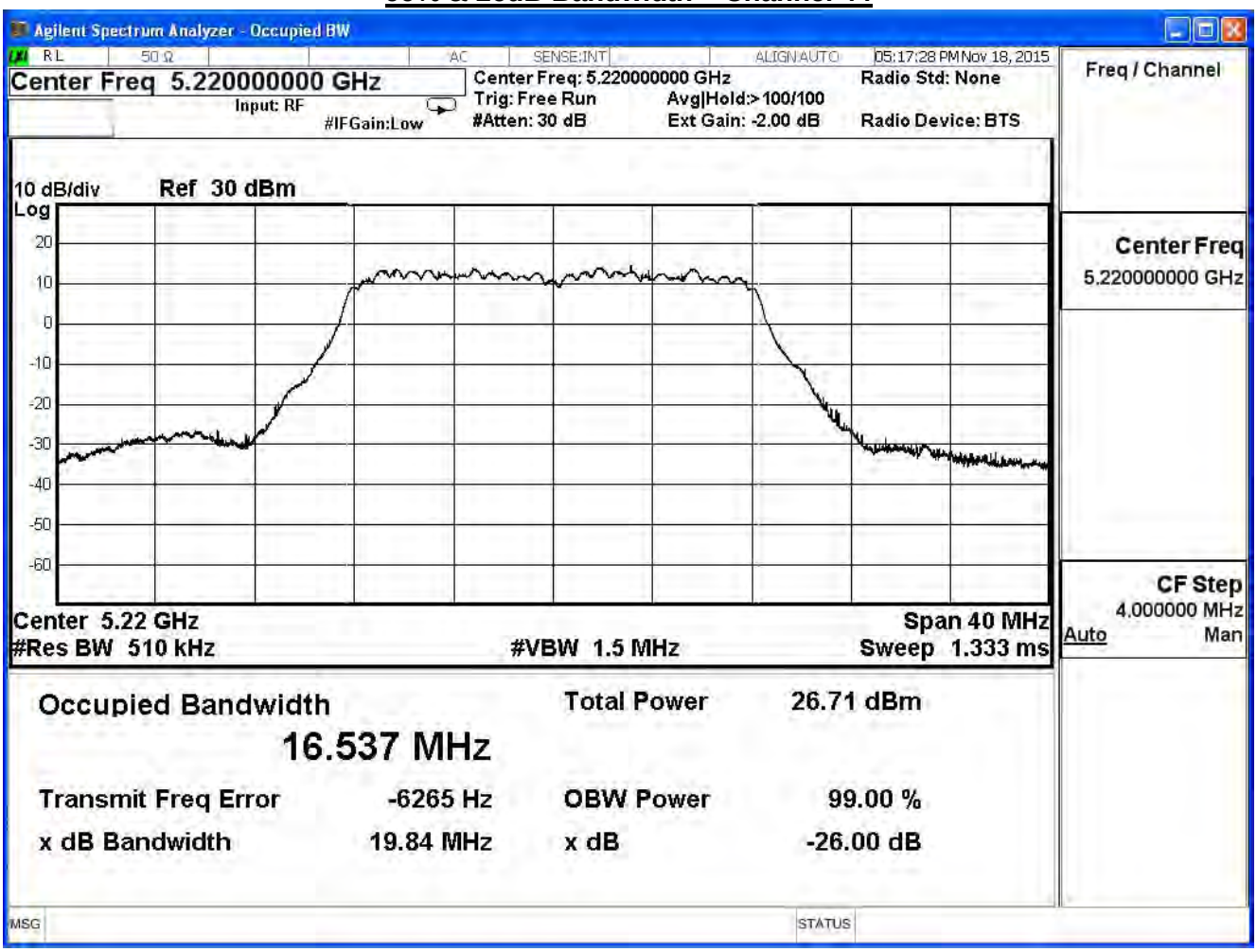
Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

802.11a (ANT 3)					
Channel No.	Frequency (MHz)	26dB Bandwidth	99% Bandwidth	Limit (MHz)	Result
		Measure Level (MHz)			
36	5180	19.70	16.57	--	Pass
44	5220	19.84	16.54	--	Pass
48	5240	19.67	16.59	--	Pass

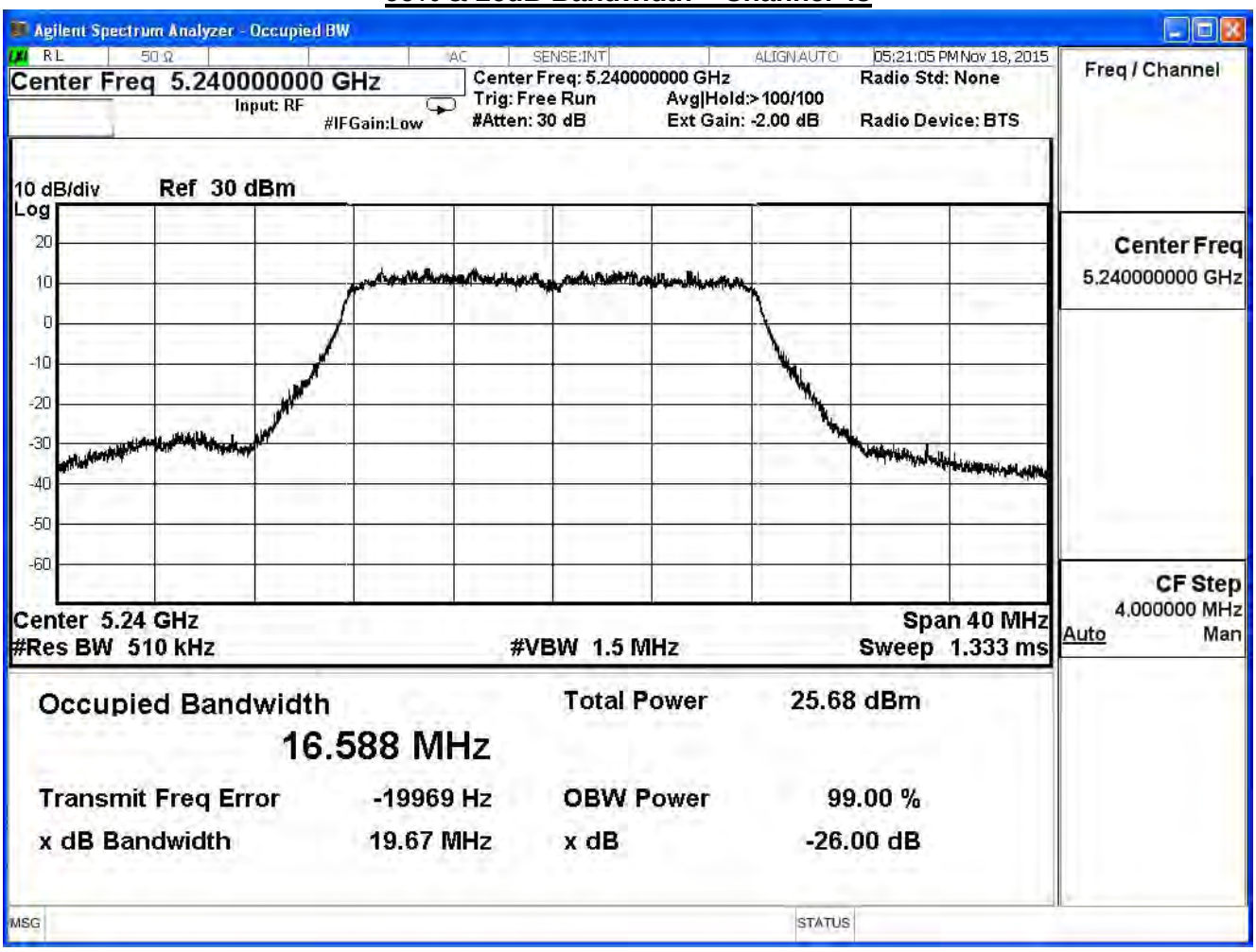
99% & 26dB Bandwidth – Channel 36



99% & 26dB Bandwidth – Channel 44



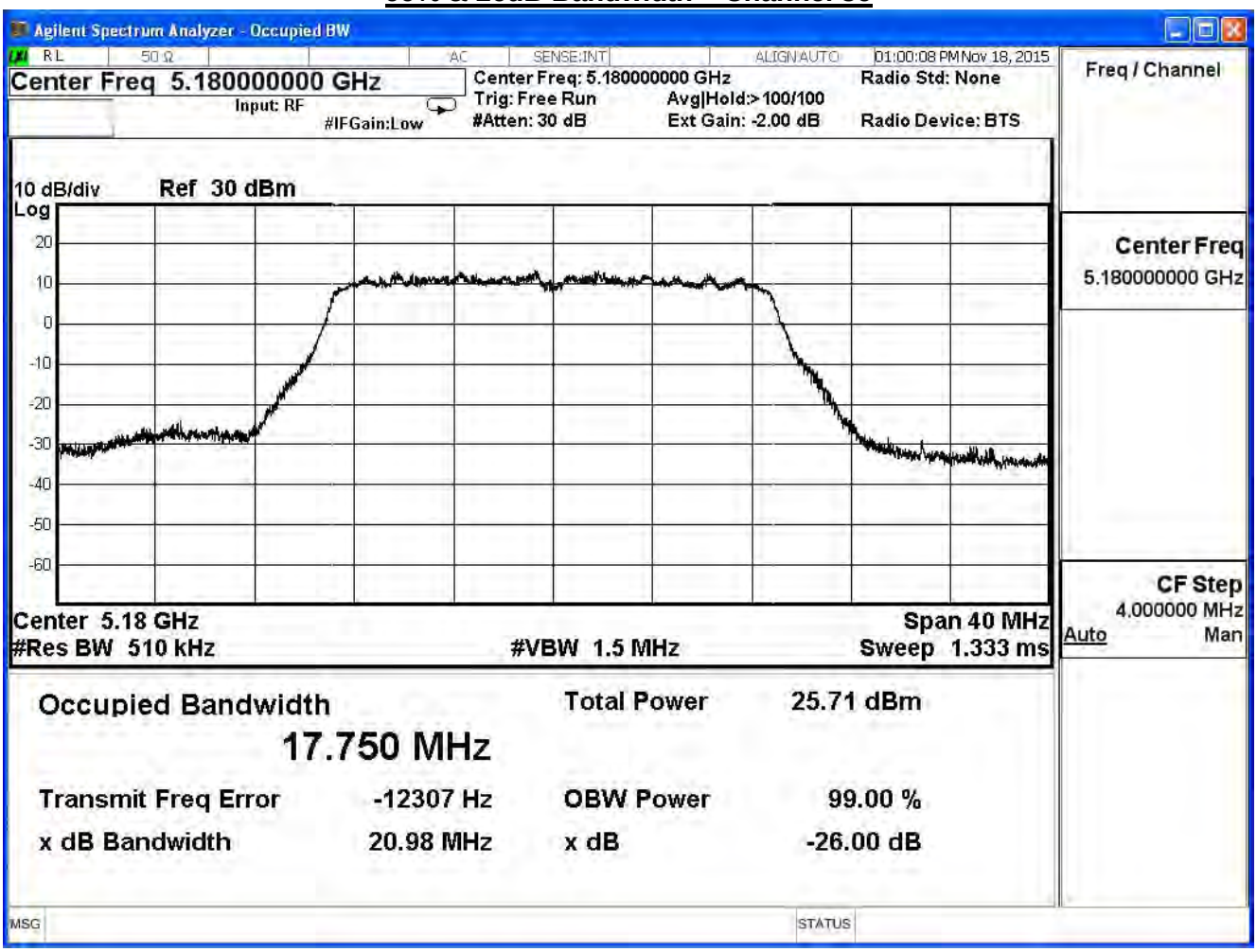
99% & 26dB Bandwidth – Channel 48



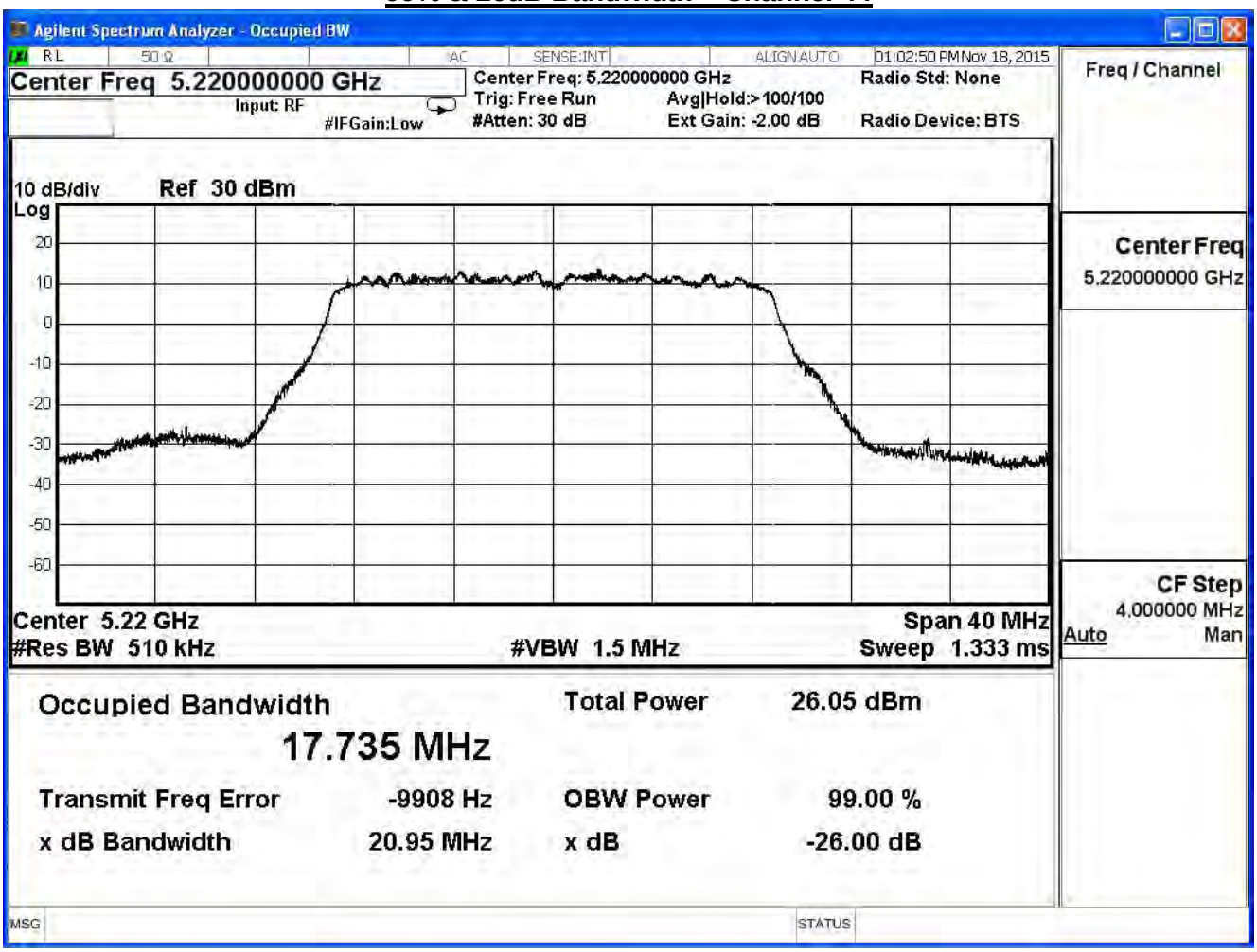
Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11n_20M (ANT 0)					
Channel No.	Frequency (MHz)	26dB Bandwidth	99% Bandwidth	Limit (MHz)	Result
		Measure Level (MHz)			
36	5180	20.98	17.75	--	Pass
44	5220	20.95	17.74	--	Pass
48	5240	20.91	17.74	--	Pass

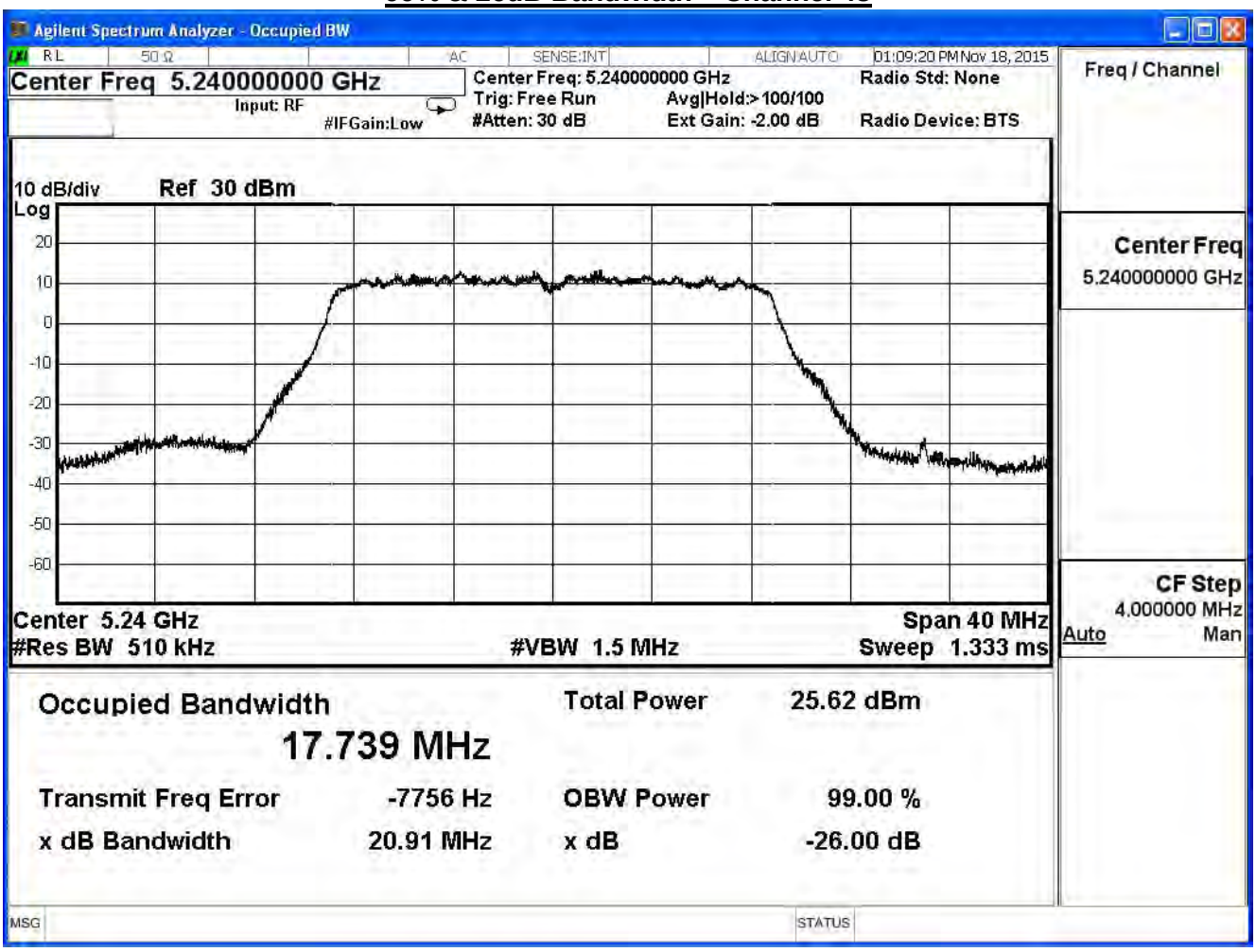
99% & 26dB Bandwidth – Channel 36



99% & 26dB Bandwidth – Channel 44



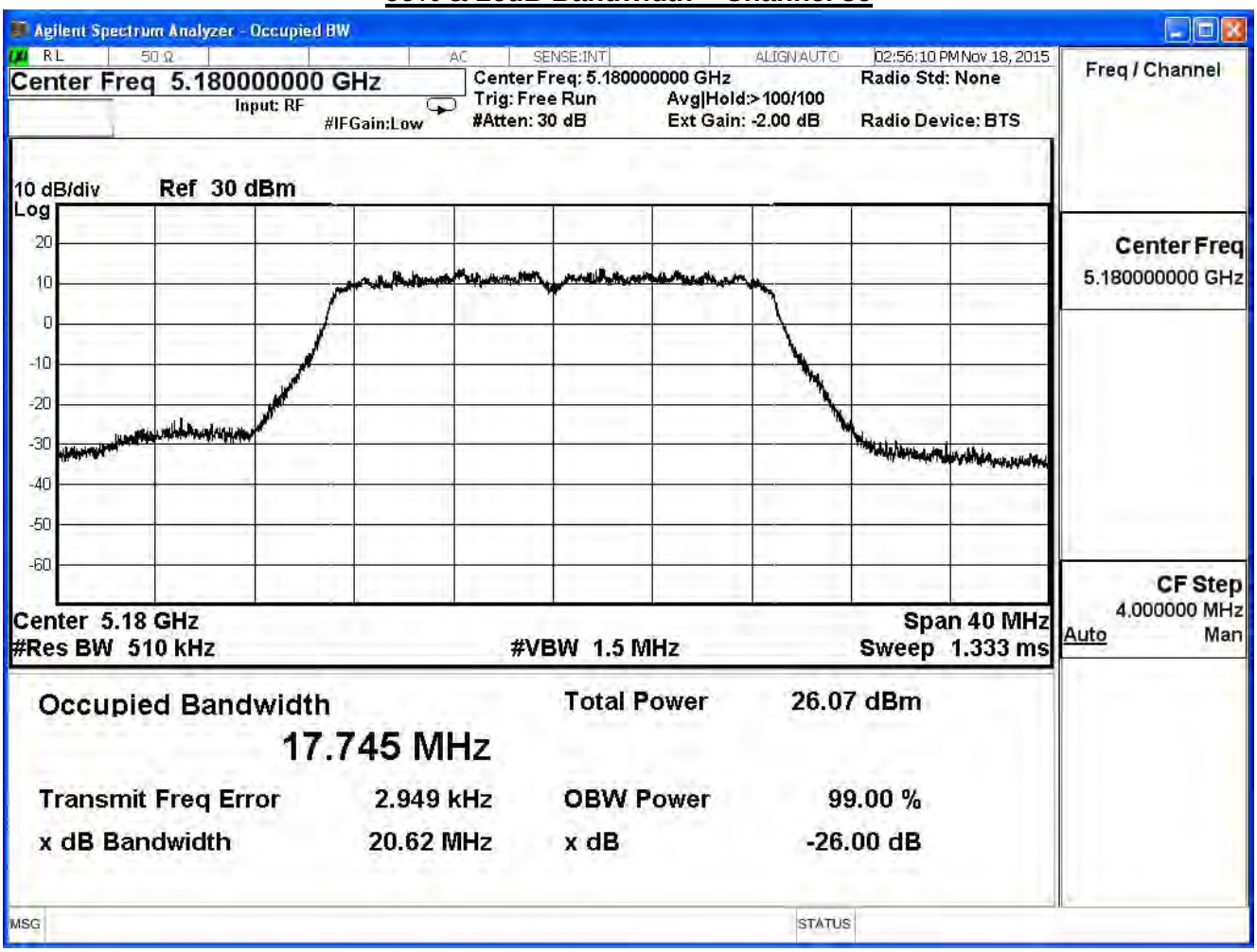
99% & 26dB Bandwidth – Channel 48



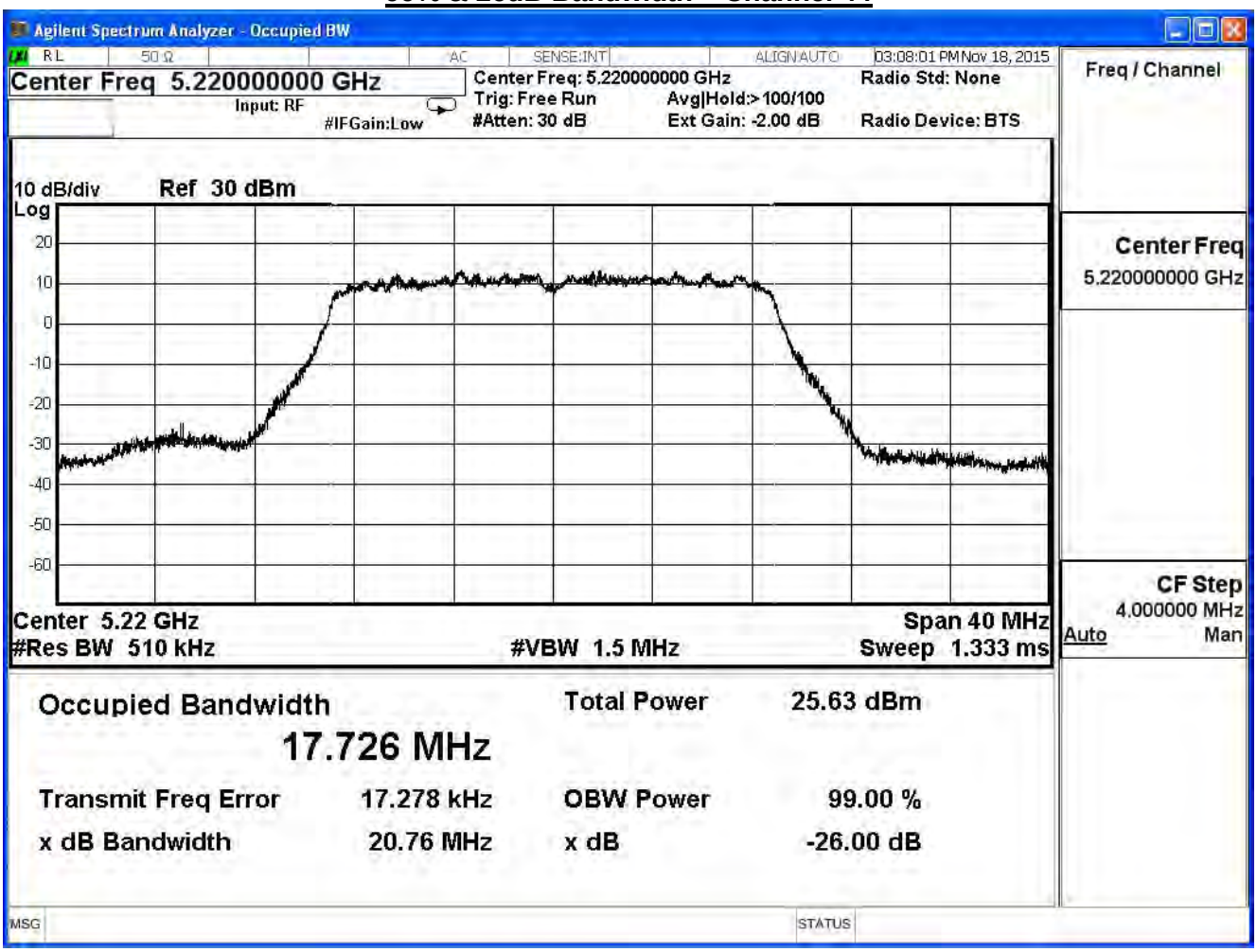
Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11n_20M (ANT 1)					
Channel No.	Frequency (MHz)	26dB Bandwidth	99% Bandwidth	Limit (MHz)	Result
		Measure Level (MHz)			
36	5180	20.62	17.75	--	Pass
44	5220	20.76	17.73	--	Pass
48	5240	20.77	17.73	--	Pass

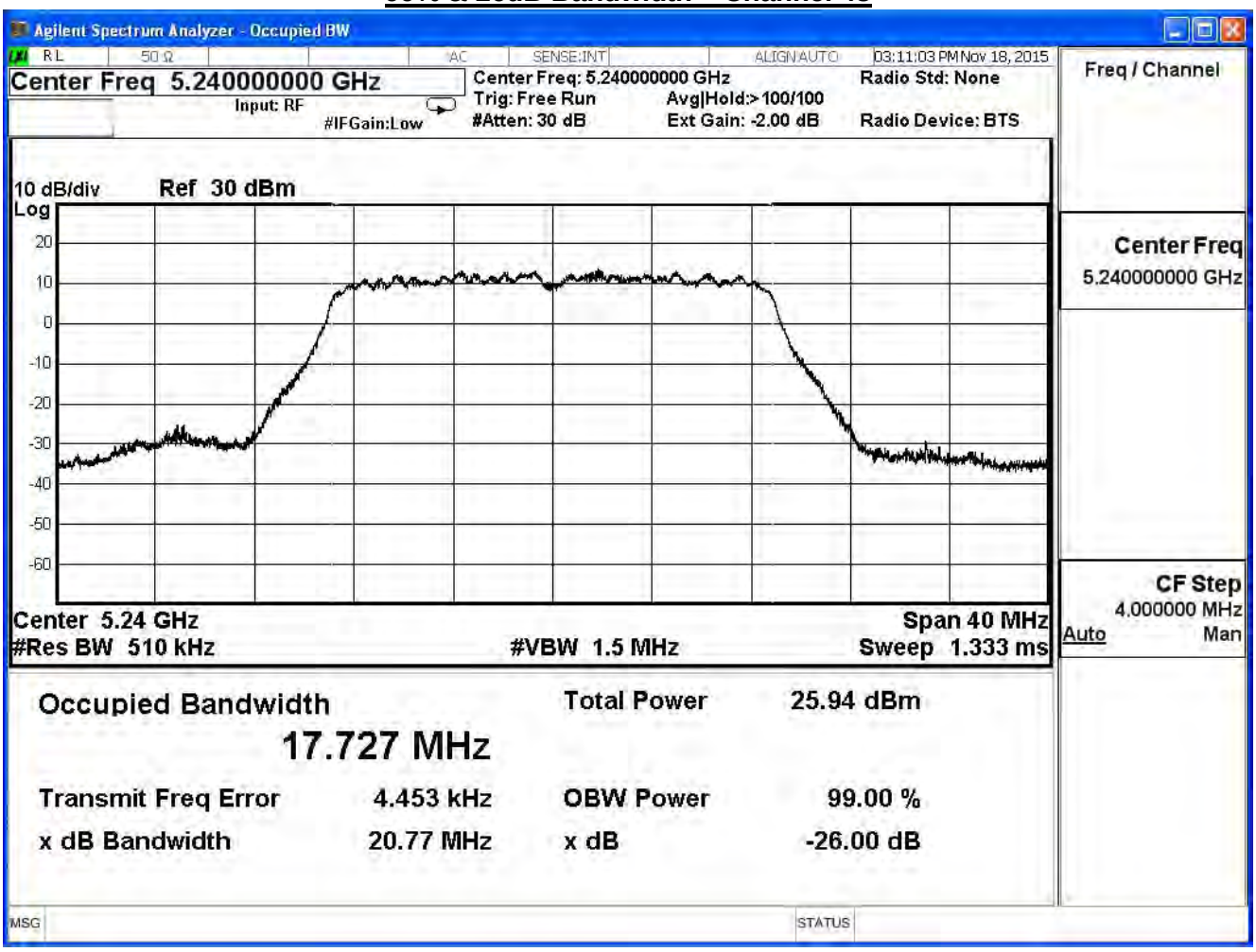
99% & 26dB Bandwidth – Channel 36



99% & 26dB Bandwidth – Channel 44



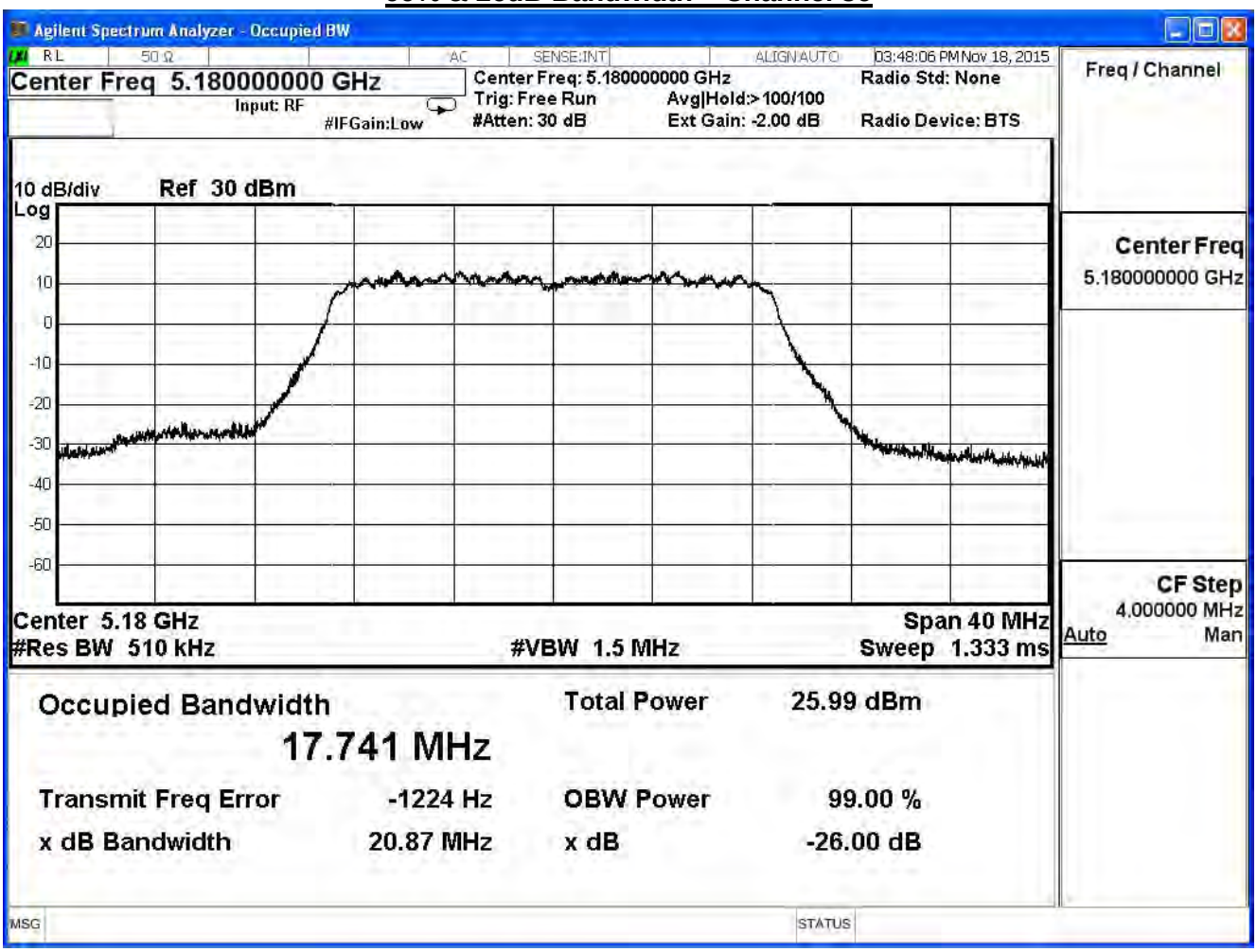
99% & 26dB Bandwidth – Channel 48



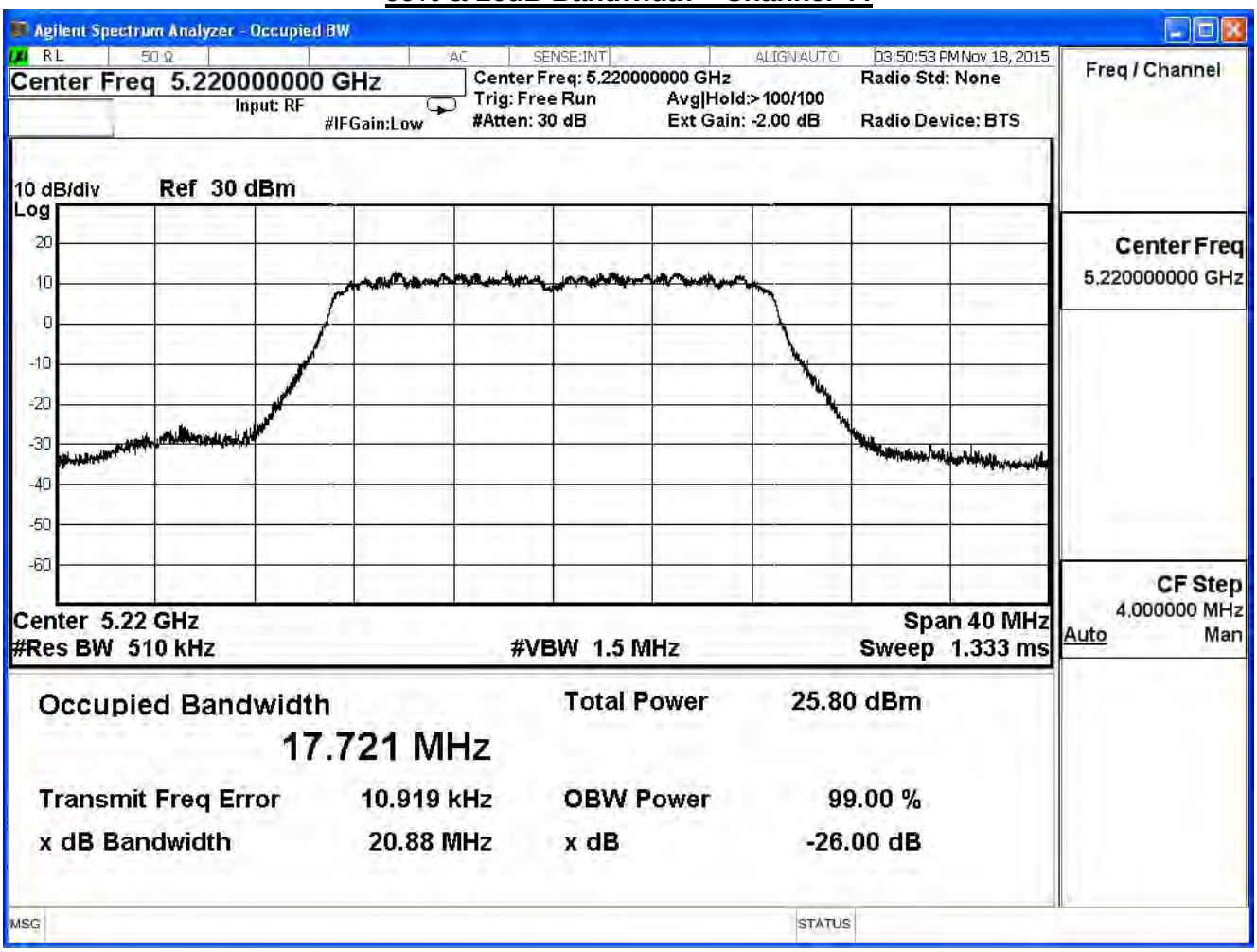
Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11n_20M (ANT 2)					
Channel No.	Frequency (MHz)	26dB Bandwidth	99% Bandwidth	Limit (MHz)	Result
		Measure Level (MHz)			
36	5180	20.87	17.74	--	Pass
44	5220	20.88	17.72	--	Pass
48	5240	20.92	17.73	--	Pass

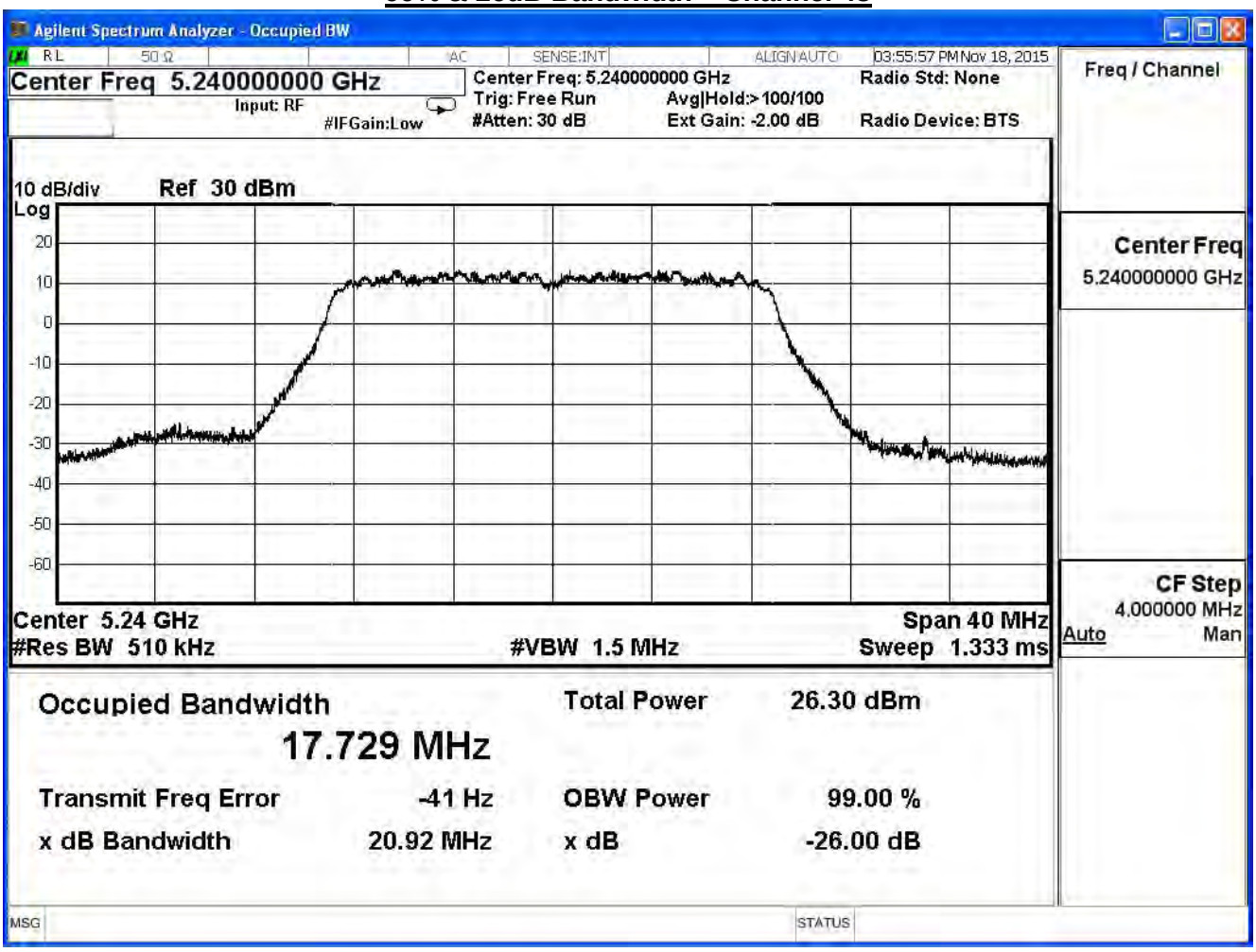
99% & 26dB Bandwidth – Channel 36



99% & 26dB Bandwidth – Channel 44



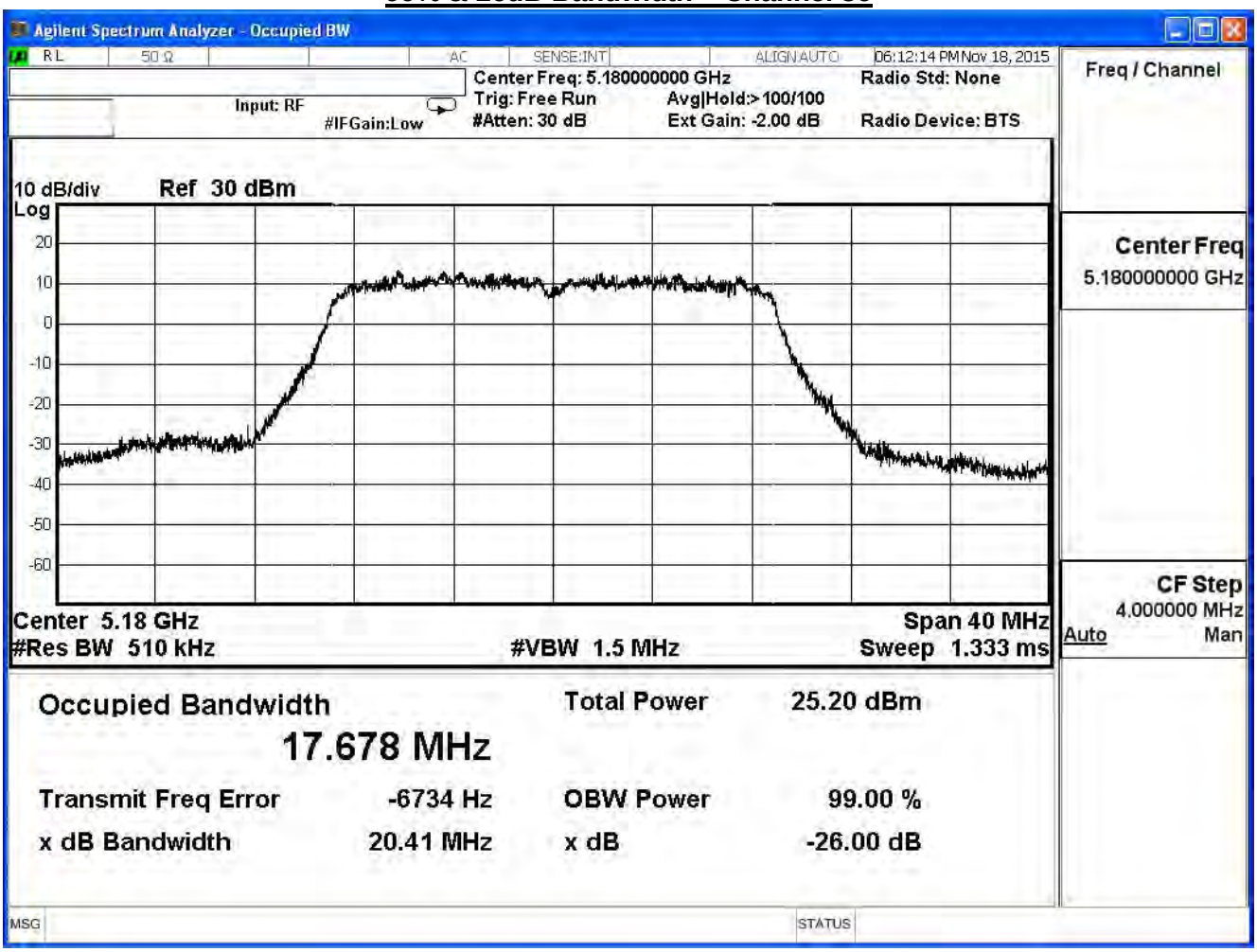
99% & 26dB Bandwidth – Channel 48



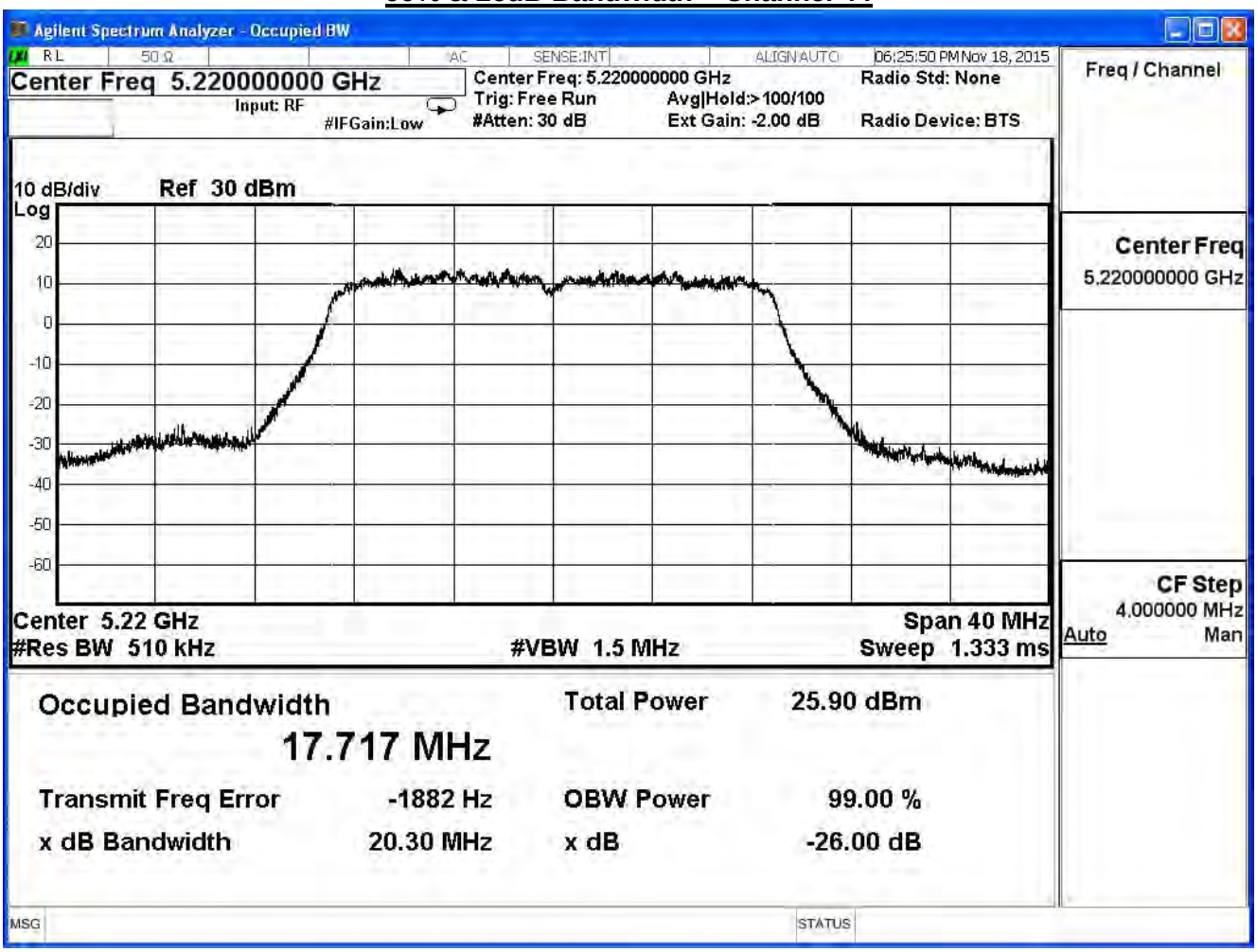
Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11n_20M (ANT 3)					
Channel No.	Frequency (MHz)	26dB Bandwidth	99% Bandwidth	Limit (MHz)	Result
		Measure Level (MHz)			
36	5180	20.41	17.68	--	Pass
44	5220	20.30	17.72	--	Pass
48	5240	20.39	17.71	--	Pass

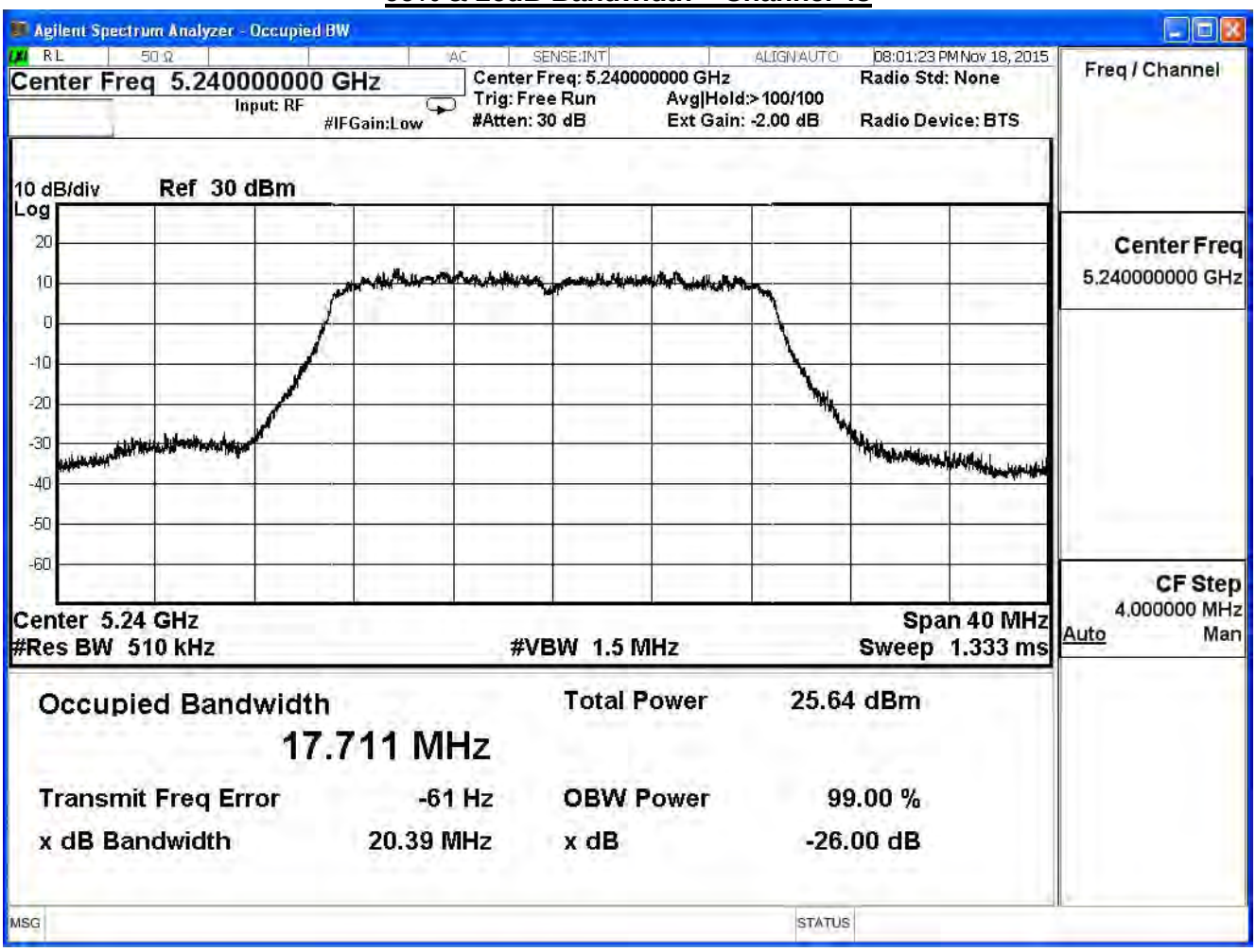
99% & 26dB Bandwidth – Channel 36



99% & 26dB Bandwidth – Channel 44



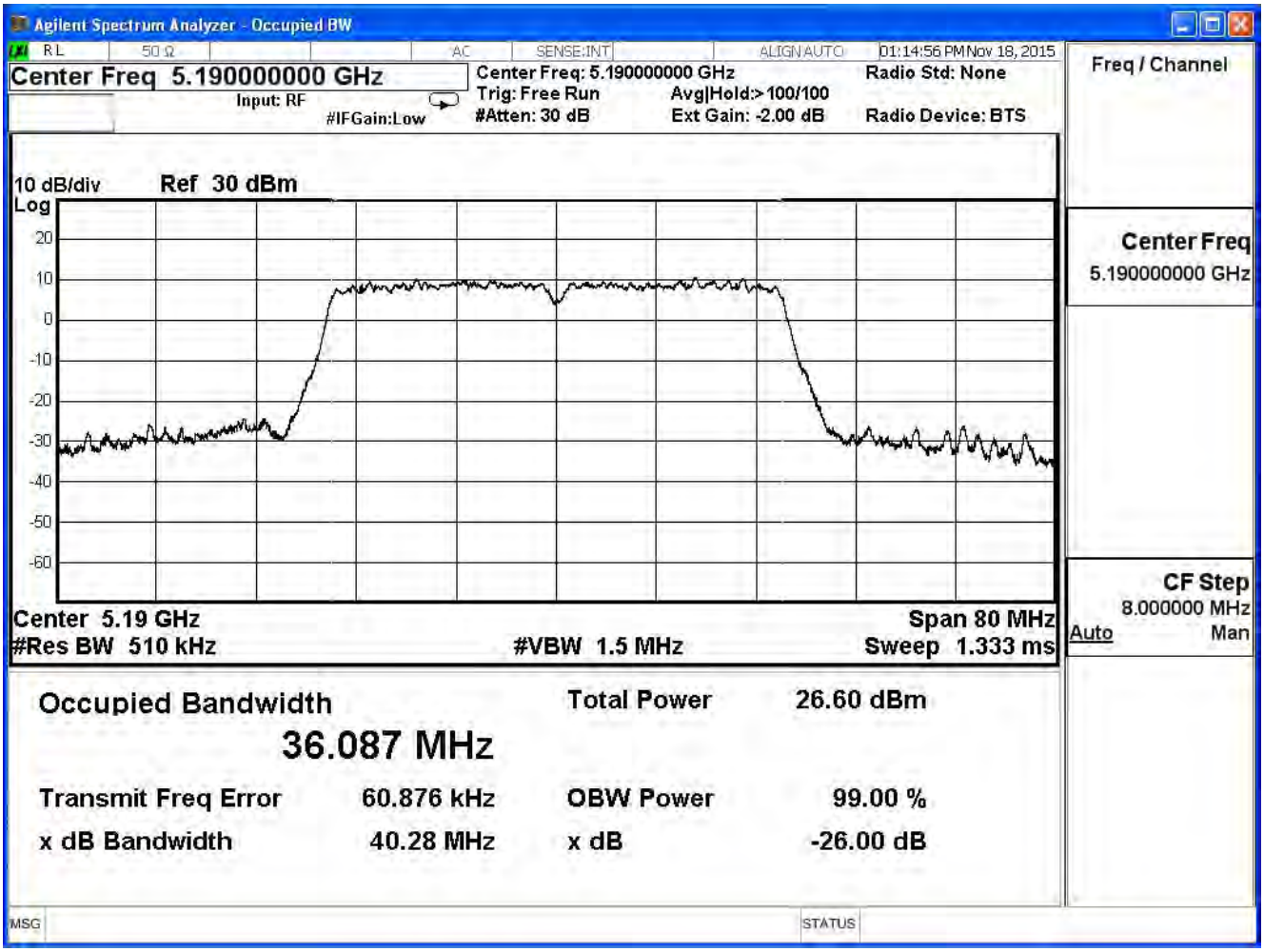
99% & 26dB Bandwidth – Channel 48



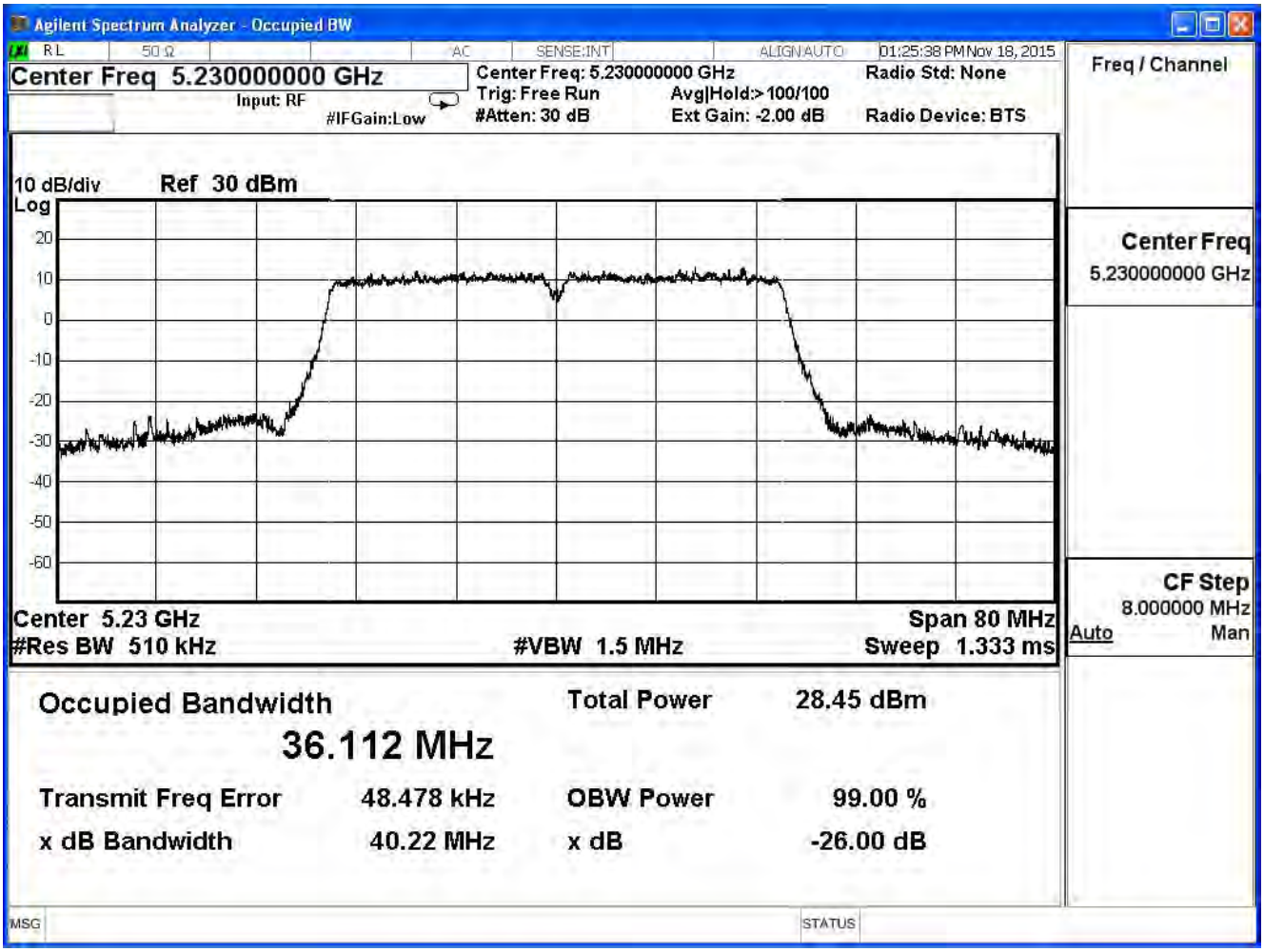
Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

802.11n_40M(ANT 0)					
Channel No.	Frequency (MHz)	26dB Bandwidth	99% Bandwidth	Limit (MHz)	Result
		Measure Level (MHz)			
38	5190	40.28	36.09	--	Pass
46	5230	40.22	36.11	--	Pass

99% & 26dB Bandwidth – Channel 38



99% & 26dB Bandwidth – Channel 46

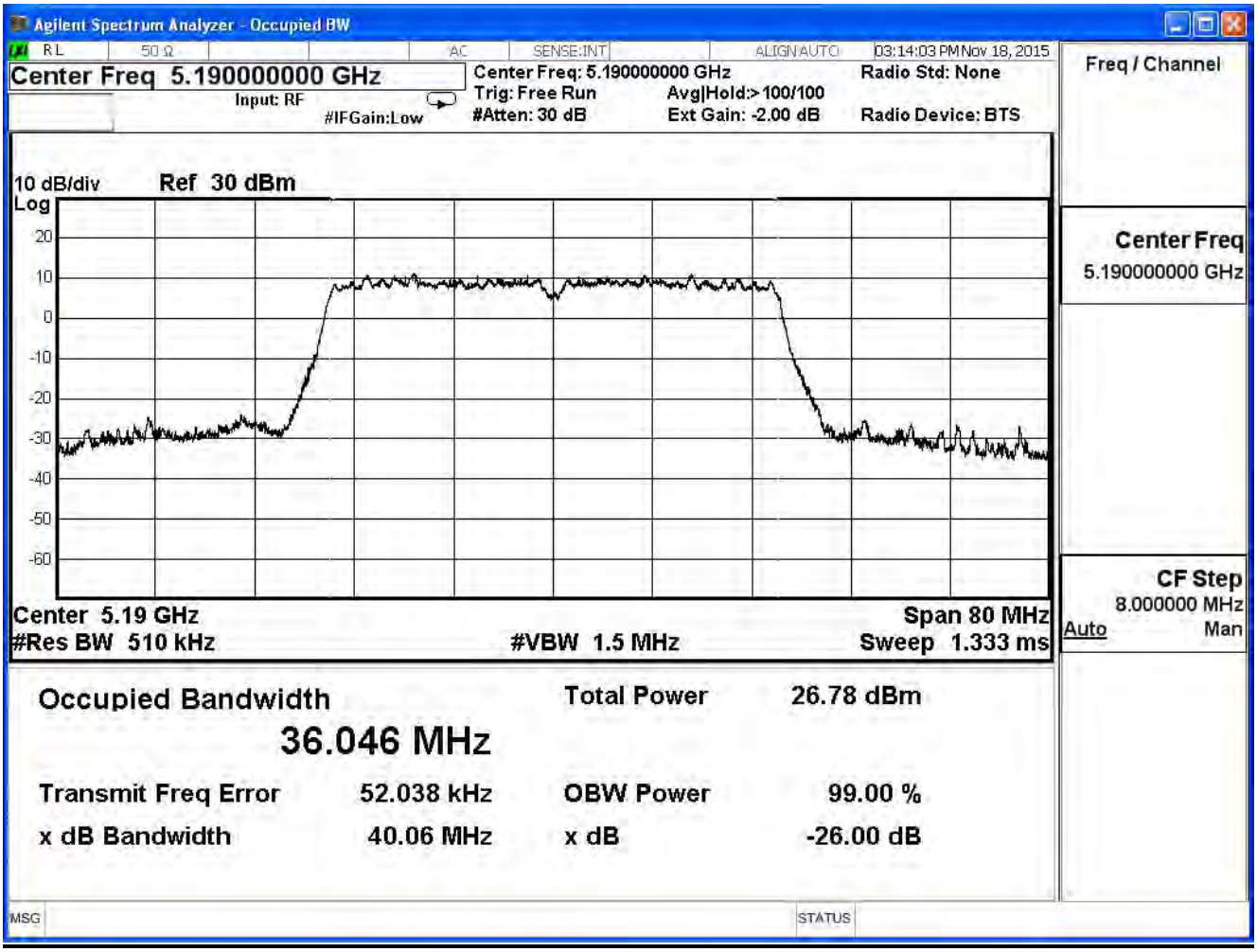


Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

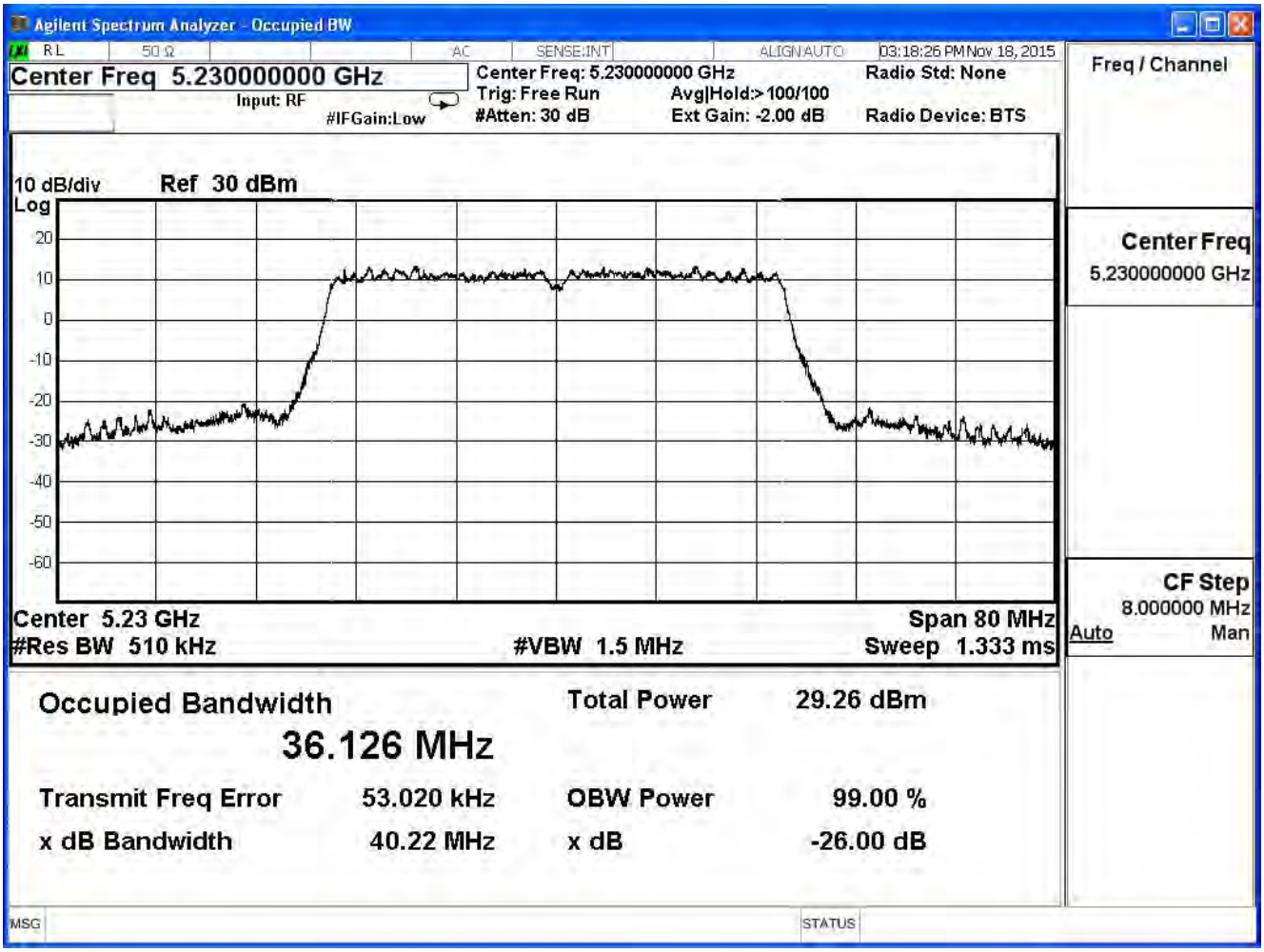
802.11n_40M(ANT 1)

Channel No.	Frequency (MHz)	26dB Bandwidth	99% Bandwidth	Limit (MHz)	Result
		Measure Level (MHz)			
38	5190	40.06	36.05	--	Pass
46	5230	40.22	36.13	--	Pass

99% & 26dB Bandwidth – Channel 38



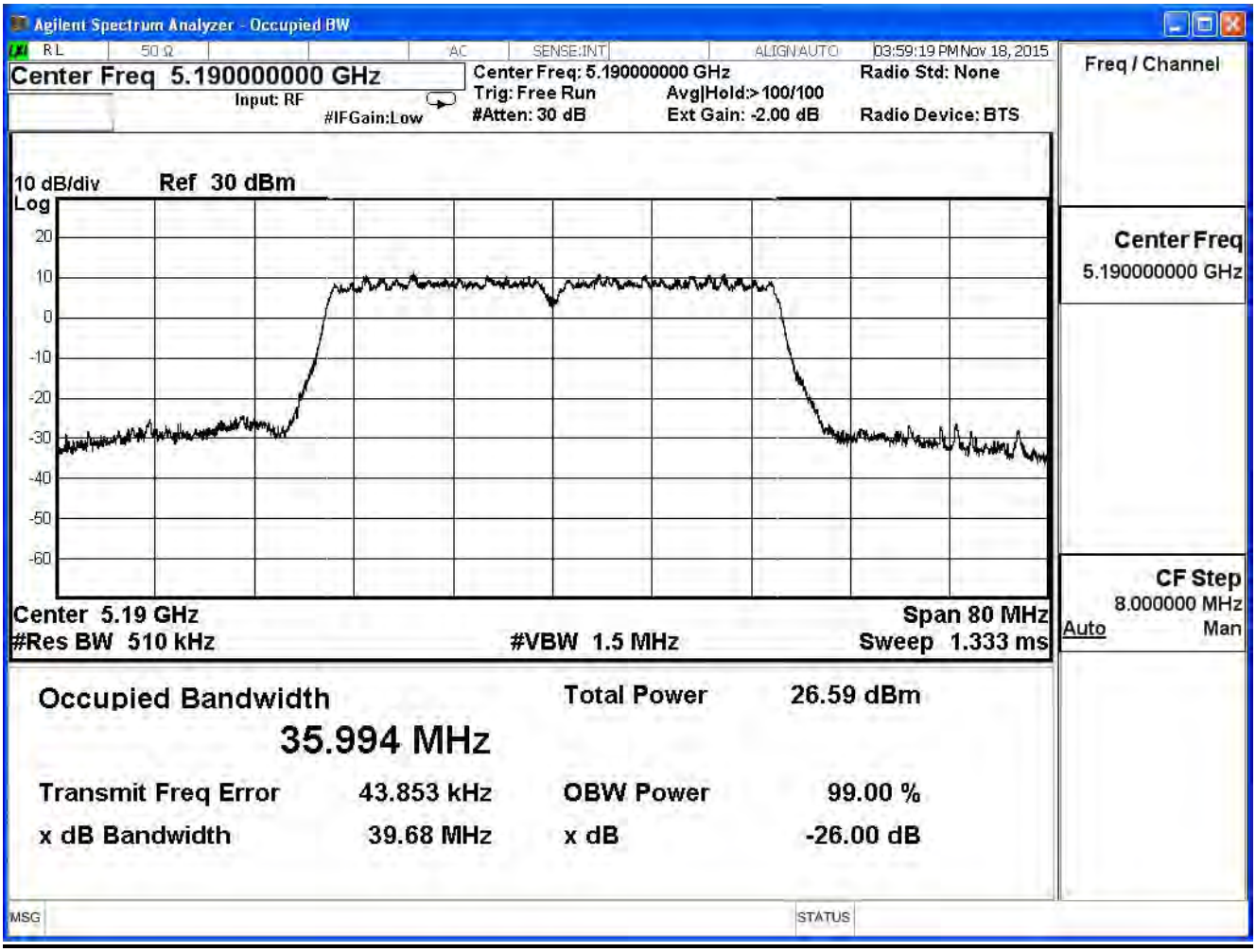
99% & 26dB Bandwidth – Channel 46



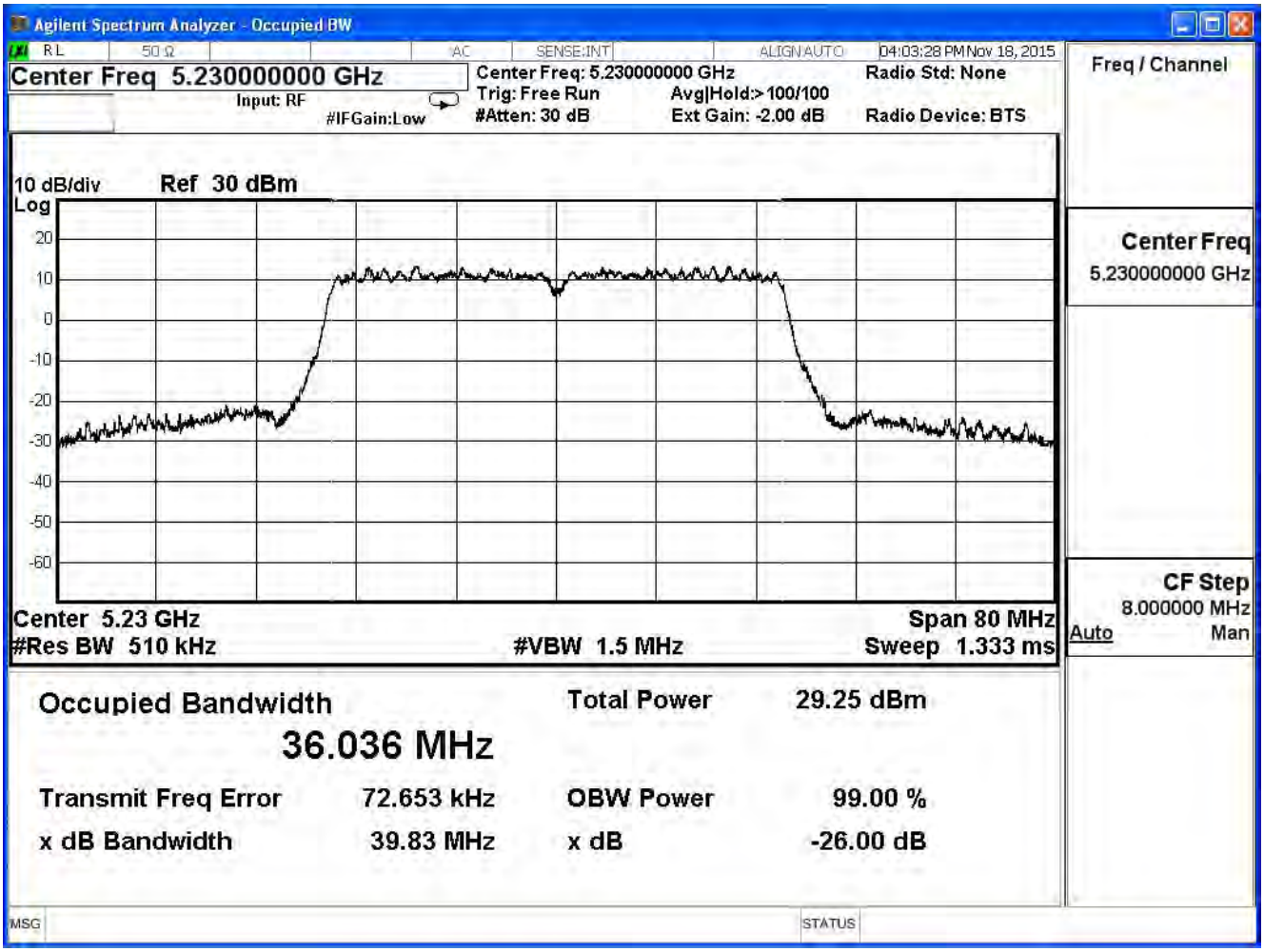
Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

802.11n_40M(ANT 2)					
Channel No.	Frequency (MHz)	26dB Bandwidth	99% Bandwidth	Limit (MHz)	Result
		Measure Level (MHz)			
38	5190	39.68	35.99	--	Pass
46	5230	39.83	36.04	--	Pass

99% & 26dB Bandwidth – Channel 38



99% & 26dB Bandwidth – Channel 46

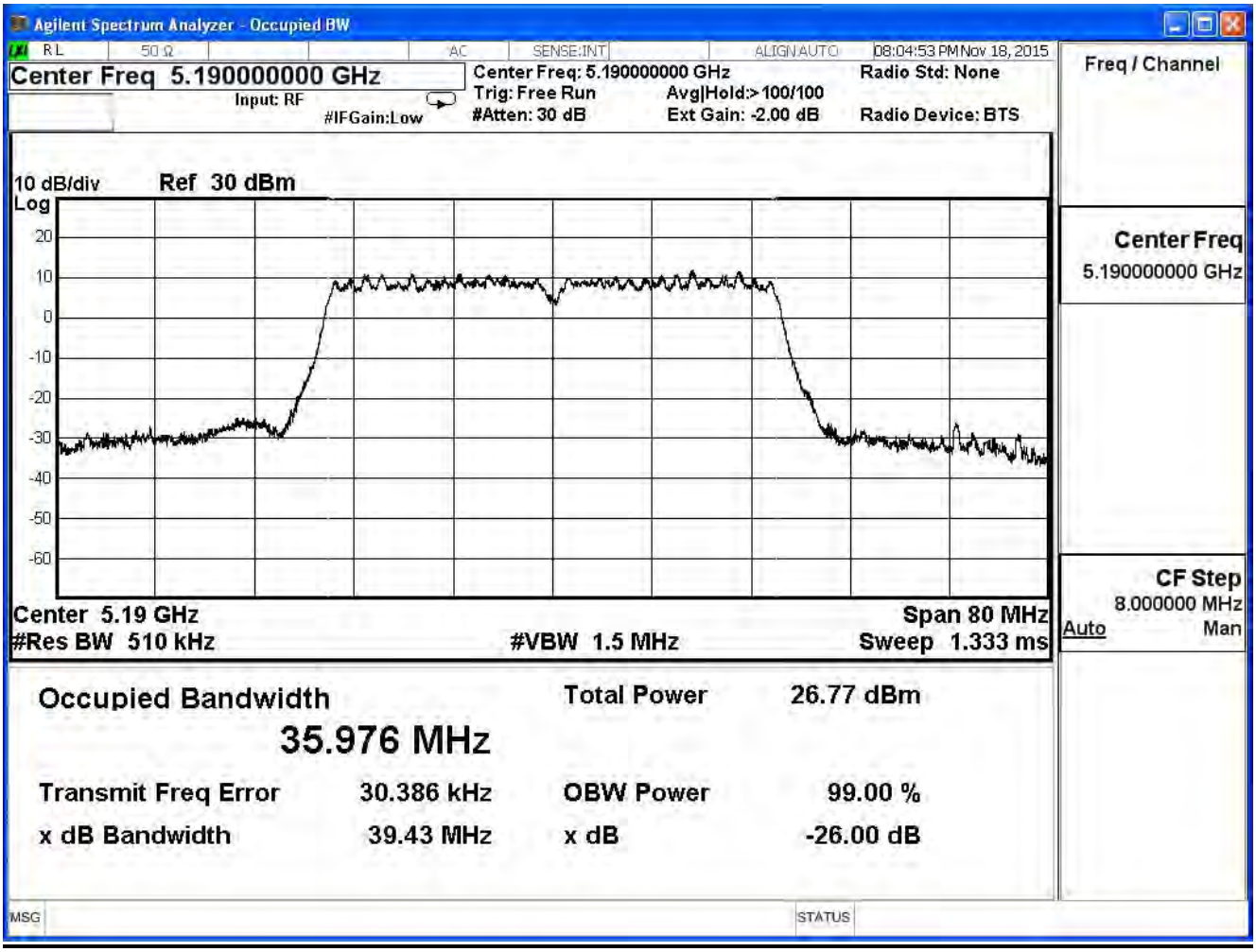


Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

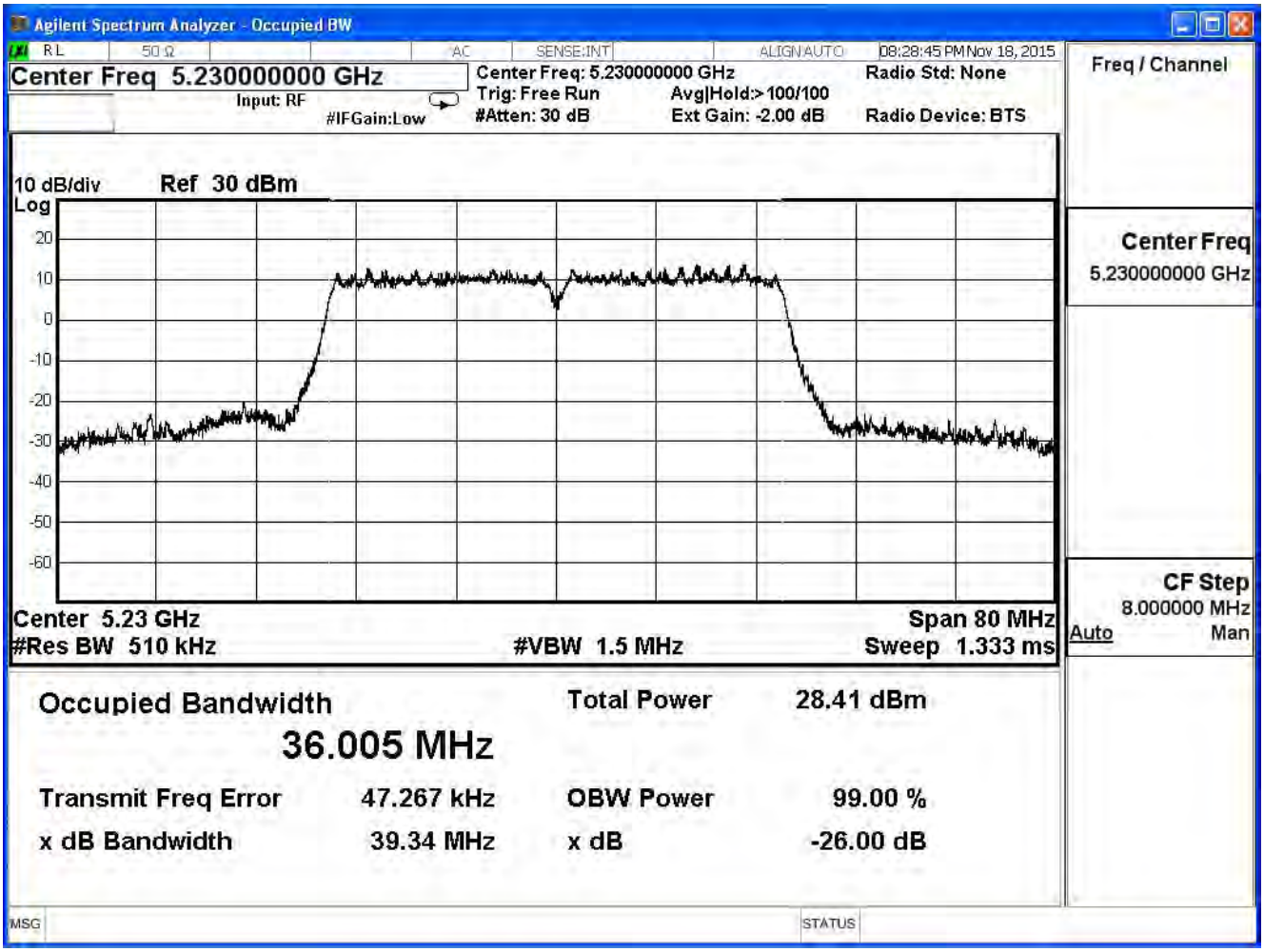
802.11n_40M(ANT 3)

Channel No.	Frequency (MHz)	26dB Bandwidth	99% Bandwidth	Limit (MHz)	Result
		Measure Level (MHz)			
38	5190	39.43	35.98	--	Pass
46	5230	39.34	36.01	--	Pass

99% & 26dB Bandwidth – Channel 38



99% & 26dB Bandwidth – Channel 46

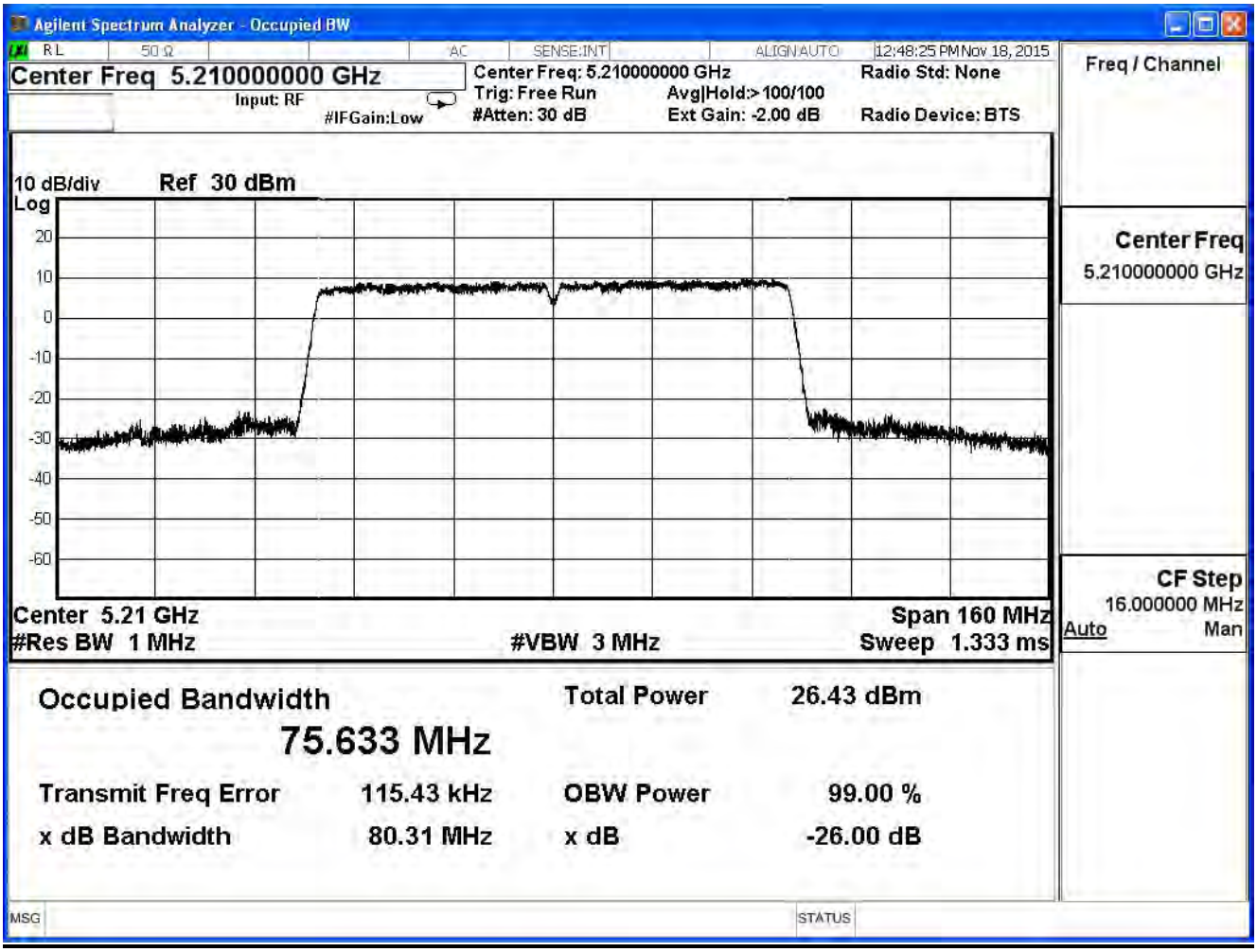


Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

802.11 ac_80M(ANT 0)

Channel No.	Frequency (MHz)	26dB Bandwidth	99% Bandwidth	Limit (MHz)	Result
		Measure Level (MHz)			
42	5210	80.31	75.63	--	Pass

99% & 26dB Bandwidth – Channel 42

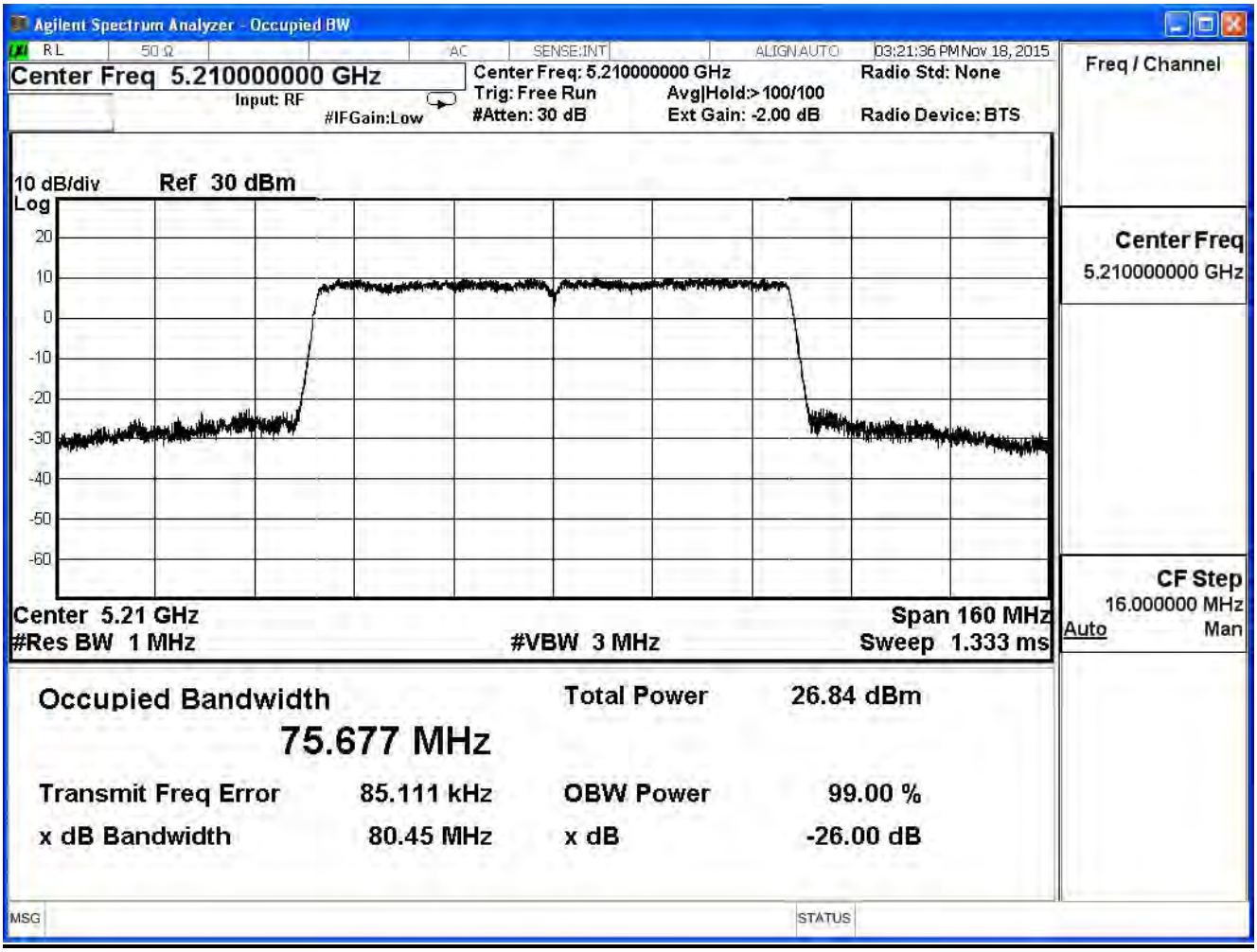


Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

802.11 ac_80M(ANT 1)

Channel No.	Frequency (MHz)	26dB Bandwidth	99% Bandwidth	Limit (MHz)	Result
		Measure Level (MHz)			
42	5210	80.45	75.68	--	Pass

99% & 26dB Bandwidth – Channel 42

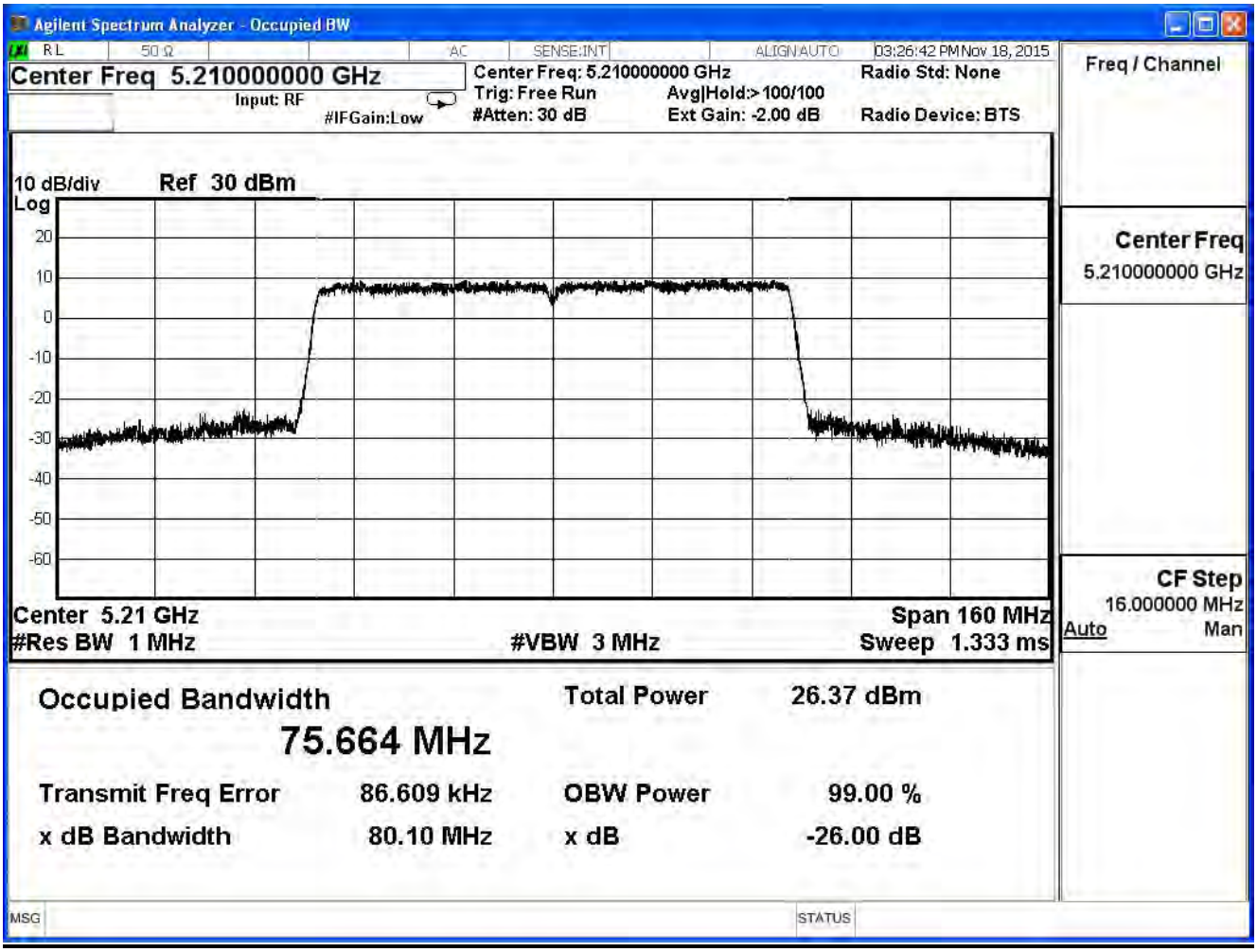


Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

802.11 ac_80M(ANT 2)

Channel No.	Frequency (MHz)	26dB Bandwidth	99% Bandwidth	Limit (MHz)	Result
		Measure Level (MHz)			
42	5210	80.10	75.66	--	Pass

99% & 26dB Bandwidth – Channel 42

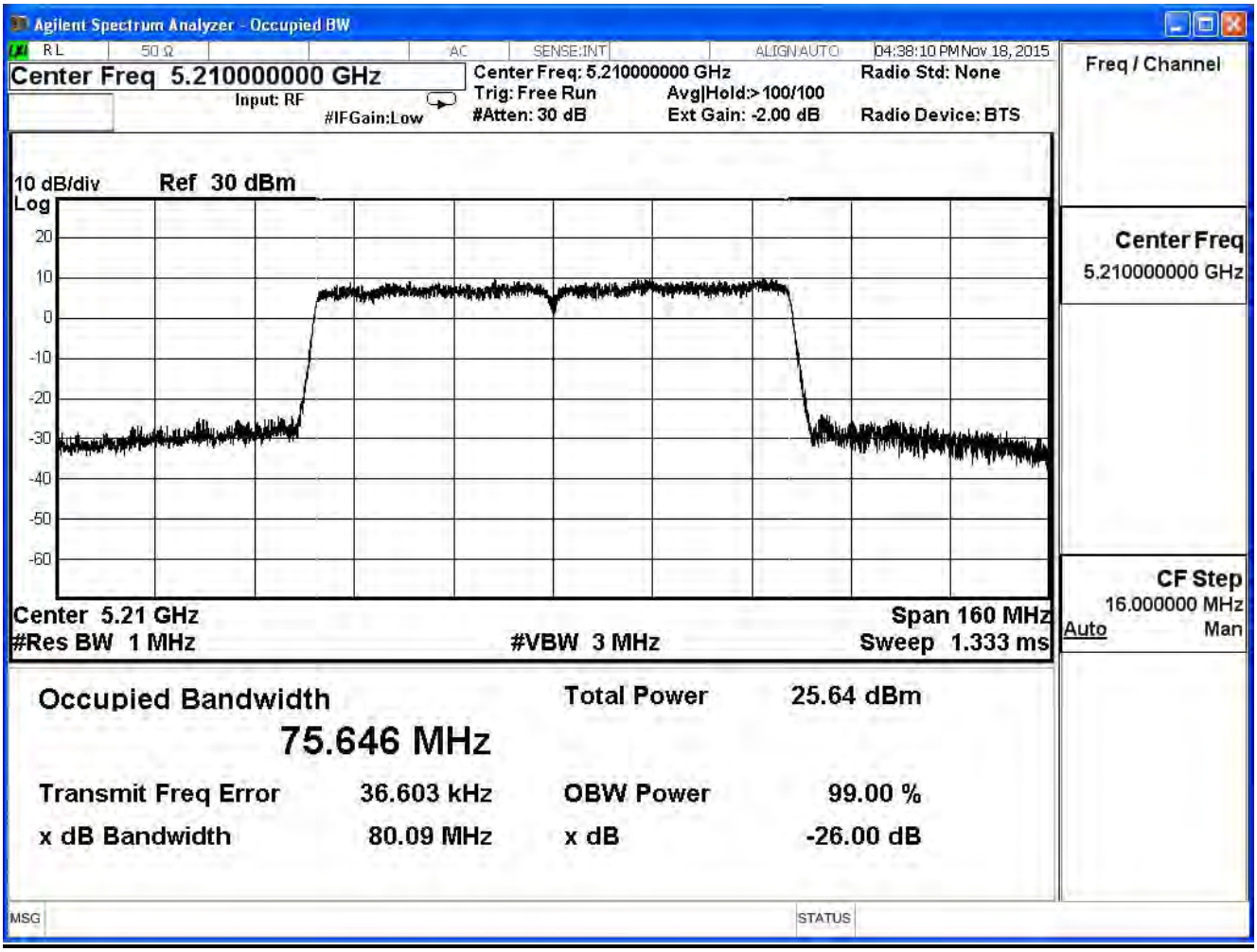


Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

802.11 ac_80M(ANT 3)

Channel No.	Frequency (MHz)	26dB Bandwidth	99% Bandwidth	Limit (MHz)	Result
		Measure Level (MHz)			
42	5210	80.09	75.65	--	Pass

99% & 26dB Bandwidth – Channel 42



4. Peak Transmit Output

4.1. Test Equipment

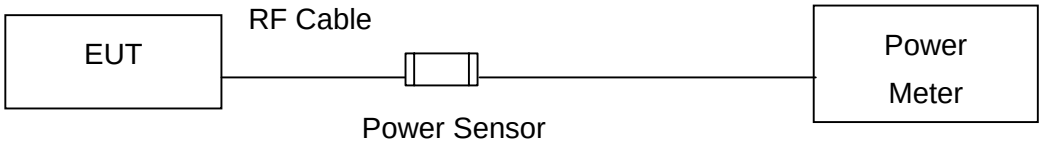
The following test equipments are used during the radiated emission tests:

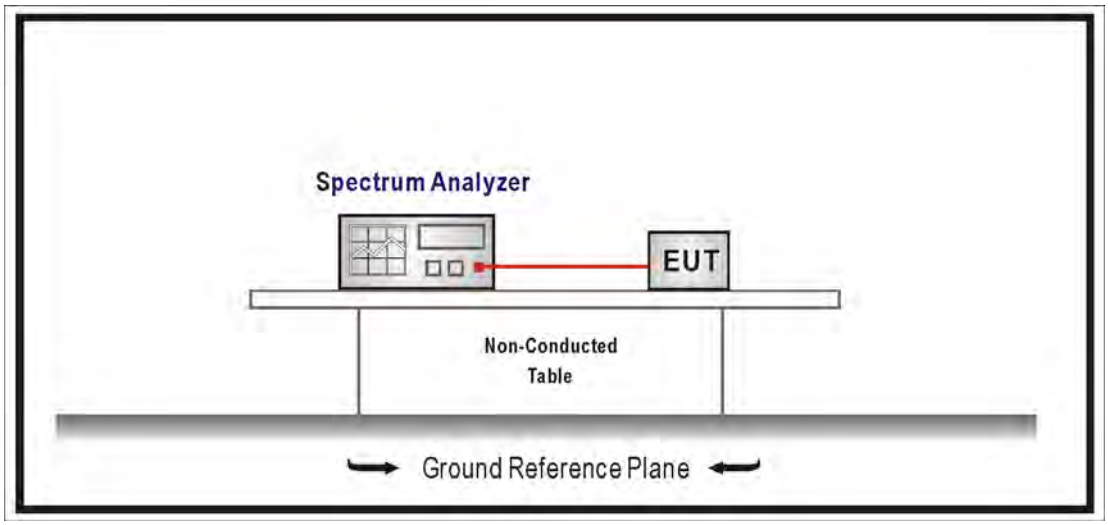
Peak Transmit Output / SR7

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

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

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 General UNII Test Procedures New Rules v01 for compliance to FCC 47CFR Subpart E requirements.

4.5. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB

4.6. Test Result

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

802.11a (ANT 0)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
36	5180	18.58	≤30
44	5220	18.66	≤30
48	5240	18.51	≤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	
36	5180	18.58	--	--	--	--	--	--	≤30dBm
44	5220	18.66	18.53	18.44	18.23	18.10	17.96	17.65	
48	5240	18.51	--	--	--	--	--	--	

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

802.11a (ANT 1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
36	5180	18.74	≤30
44	5220	18.77	≤30
48	5240	18.66	≤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	
36	5180	18.74	--	--	--	--	--	--	≤30dBm
44	5220	18.77	18.64	18.45	18.35	18.10	17.81	17.50	
48	5240	18.66	--	--	--	--	--	--	

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

802.11a (ANT 2)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
36	5180	18.59	≤30
44	5220	18.72	≤30
48	5240	18.59	≤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	
36	5180	18.59	--	--	--	--	--	--	≤30dBm
44	5220	18.72	18.59	18.50	18.29	18.04	17.75	17.44	
48	5240	18.59	--	--	--	--	--	--	

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

802.11a (ANT 3)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
36	5180	18.77	≤30
44	5220	18.71	≤30
48	5240	18.62	≤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	
36	5180	18.77	--	--	--	--	--	--	≤30dBm
44	5220	18.71	18.65	18.46	18.35	18.23	18.08	17.93	
48	5240	18.62	--	--	--	--	--	--	

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

802.11a (ANT 0+1+2+3)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
36	5180	24.69	≤30
44	5220	24.74	≤30
48	5240	24.62	≤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	24.69	--	--	--	--	--	--	≤30dBm
157	5785	24.74	24.62	24.48	24.32	24.13	23.92	23.65	
165	5825	24.62	--	--	--	--	--	--	

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11n_20M (ANT 0)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
36	5180	18.95	≤30
44	5220	19.02	≤30
48	5240	18.93	≤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	
36	5180	18.95	--	--	--	--	--	--	--	≤30dBm
44	5220	19.02	18.96	18.86	18.76	18.63	18.34	18.19	17.82	
48	5240	18.93	--	--	--	--	--	--	--	

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11n_20M (ANT 1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
36	5180	18.81	≤30
44	5220	18.79	≤30
48	5240	18.74	≤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	
36	5180	18.81	--	--	--	--	--	--	--	≤30dBm
44	5220	18.79	18.73	18.63	18.53	18.40	18.26	17.95	17.76	
48	5240	18.74	--	--	--	--	--	--	--	

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11n_20M (ANT 2)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
36	5180	18.74	≤30
44	5220	18.69	≤30
48	5240	18.89	≤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	
36	5180	18.74	--	--	--	--	--	--	--	≤30dBm
44	5220	18.69	18.56	18.37	18.27	18.02	17.87	17.56	17.38	
48	5240	18.89	--	--	--	--	--	--	--	

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11n_20M (ANT 3)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
36	5180	19.04	≤30
44	5220	18.97	≤30
48	5240	18.84	≤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	19.04	--	--	--	--	--	--	--	≤30dBm
157	5785	18.97	18.84	18.65	18.44	18.32	18.03	17.72	17.35	
165	5825	18.84	--	--	--	--	--	--	--	

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11n_20M (ANT 0+1+2+3)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
36	5180	24.91	≤30
44	5220	24.89	≤30
48	5240	24.87	≤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	
36	5180	24.91	--	--	--	--	--	--	--	≤30dBm
44	5220	24.89	24.79	24.65	24.52	24.37	24.15	23.88	23.60	
48	5240	24.87	--	--	--	--	--	--	--	

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11n(40MHz)(ANT 0)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
38	5190	19.48	≤30
46	5230	22.04	≤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	
38	5190	19.48	--	--	--	--	--	--	--	≤30dBm
46	5230	22.04	21.98	21.88	21.78	21.53	21.38	21.07	20.89	

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11n(40MHz)(ANT 1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
38	5190	19.81	≤30
46	5230	22.13	≤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	
38	5190	19.81	--	--	--	--	--	--	--	≤30dBm
46	5230	22.13	22.00	21.81	21.71	21.58	21.29	21.14	20.95	

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11n(40MHz)(ANT 2)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
38	5190	19.88	≤30
46	5230	22.01	≤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	
38	5190	19.88	--	--	--	--	--	--	--	≤30dBm
46	5230	22.01	21.88	21.79	21.68	21.43	21.29	21.13	20.76	

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11n(40MHz)(ANT 3)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
38	5190	19.71	≤30
46	5230	21.84	≤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	
38	5190	19.71	--	--	--	--	--	--	--	≤30dBm
46	5230	21.84	21.71	21.52	21.31	21.19	21.04	20.73	20.55	

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11n(40MHz)(ANT 0+1+2+3)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
38	5190	25.74	≤30
46	5230	28.03	≤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	
38	5190	25.74	--	--	--	--	--	--	--	≤30dBm
46	5230	28.03	27.91	27.77	27.64	27.45	27.27	27.04	26.81	

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

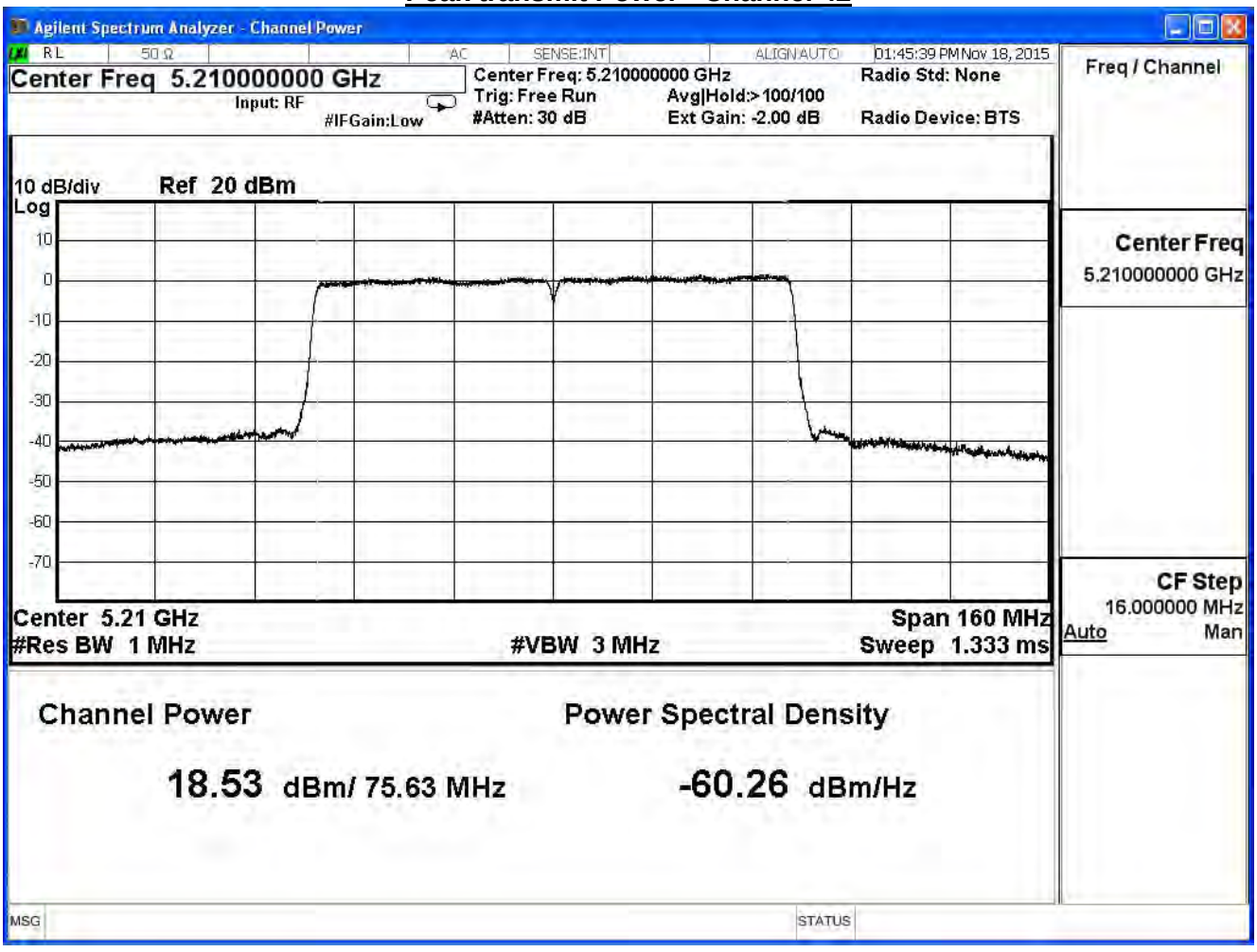
IEEE 802.11ac (80MHz) (ANT 0)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
42	5210	18.53	≤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
42	5210	18.53	18.33	18.09	17.95	17.80	17.63	17.29	16.87	16.39	16.09	

Peak transmit Power - Channel 42



Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

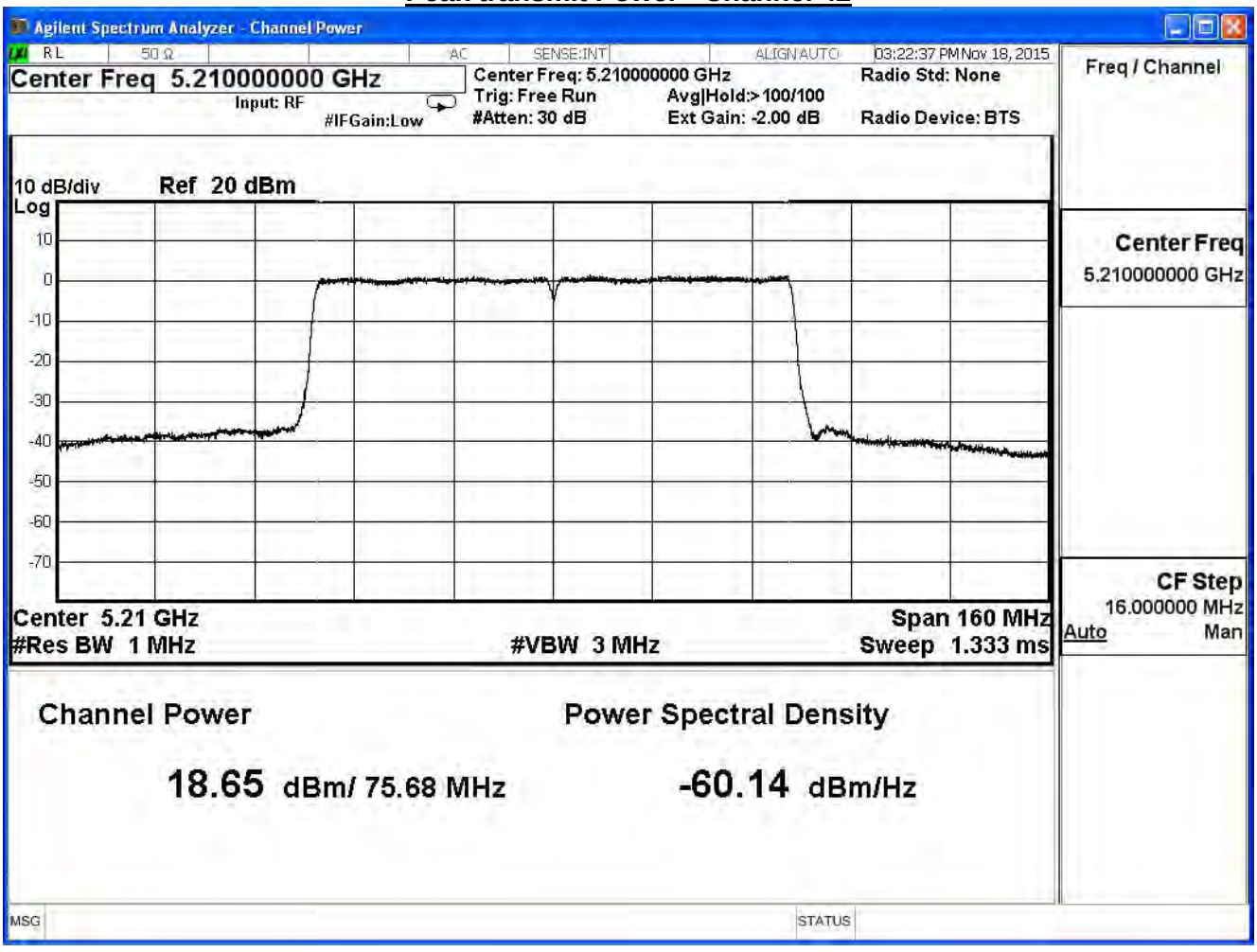
IEEE 802.11ac (80MHz) (ANT 1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
42	5210	18.65	≤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
42	5210	18.65	18.55	18.31	18.17	17.87	17.70	17.53	17.32	16.84	16.69	

Peak transmit Power - Channel 42



Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

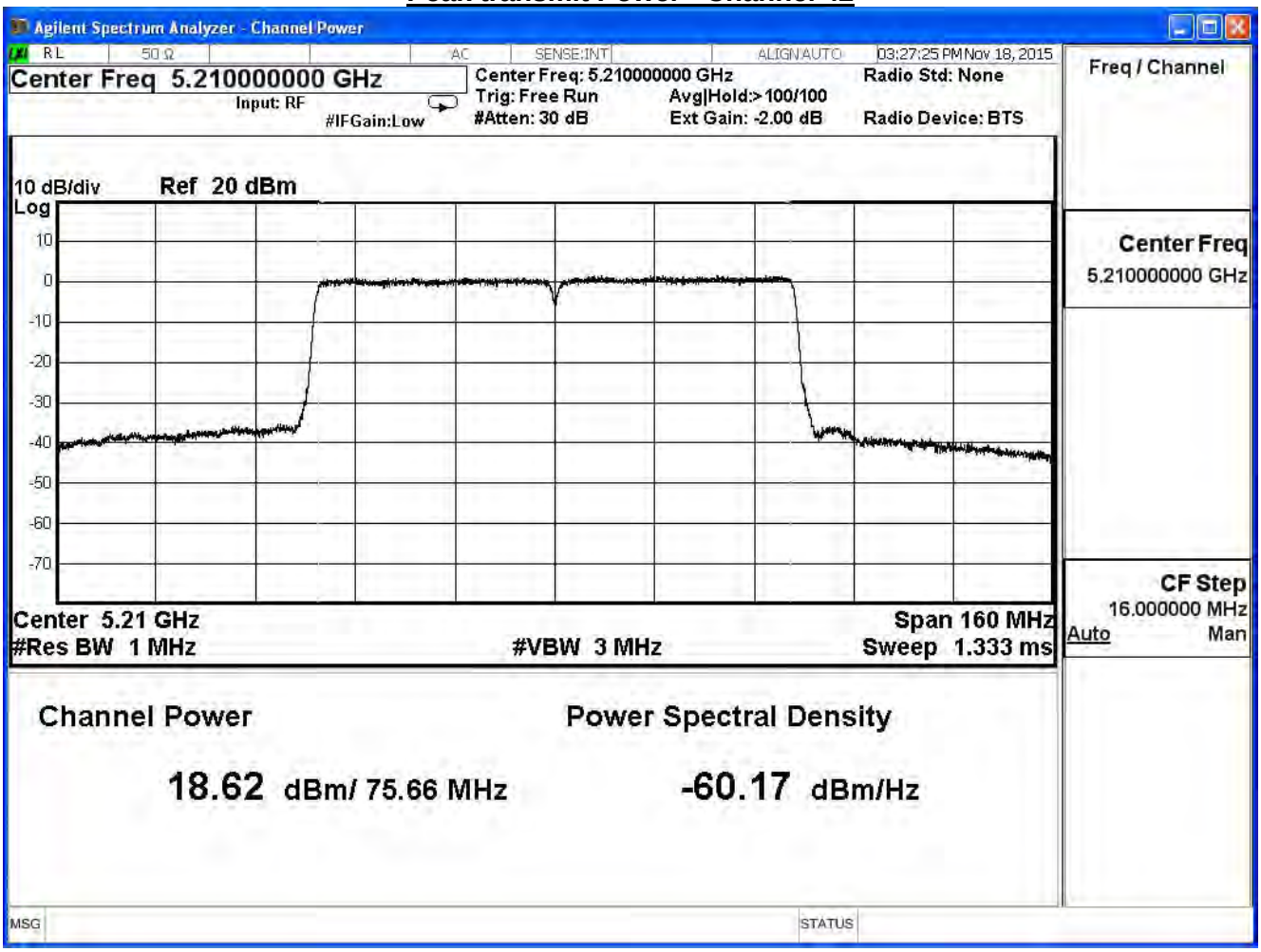
IEEE 802.11ac (80MHz) (ANT 2)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
42	5210	18.62	≤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
42	5210	18.62	18.52	18.40	18.12	17.97	17.63	17.29	16.87	16.63	16.48	

Peak transmit Power - Channel 42



Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

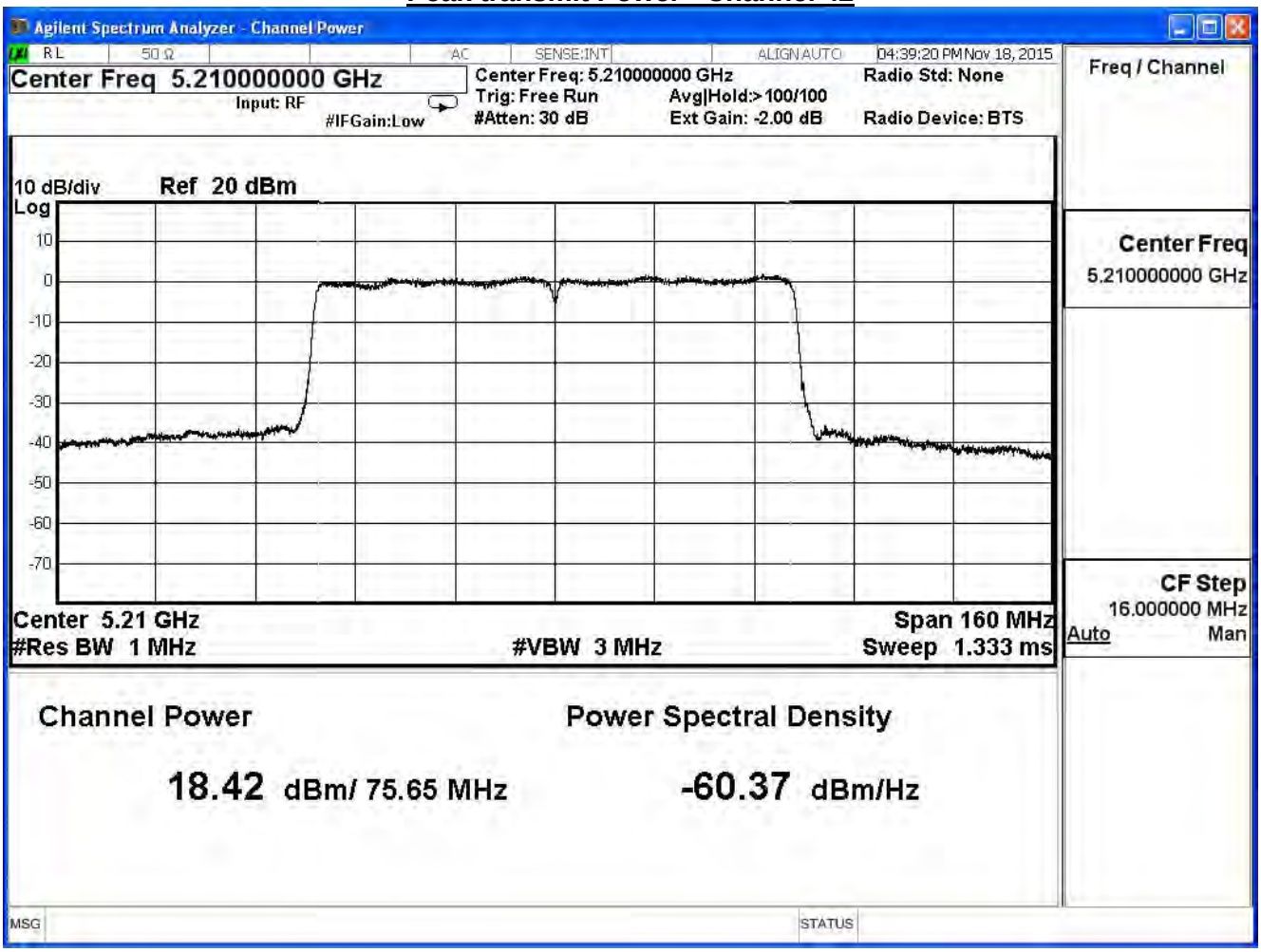
IEEE 802.11ac (80MHz) (ANT 3)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
42	5210	18.42	≤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	
42	5210	18.42	18.22	17.98	17.70	17.55	17.38	17.21	17.00	16.76	16.61	≤30dBm

Peak transmit Power - Channel 42



Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11ac (80MHz) (ANT 0+1+2+3)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
42	5210	24.58	≤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
42	5210	24.58	24.43	24.22	24.01	23.82	23.61	23.35	23.04	22.68	22.49	

5. Peak Power Spectrum Density

5.1. Test Equipment

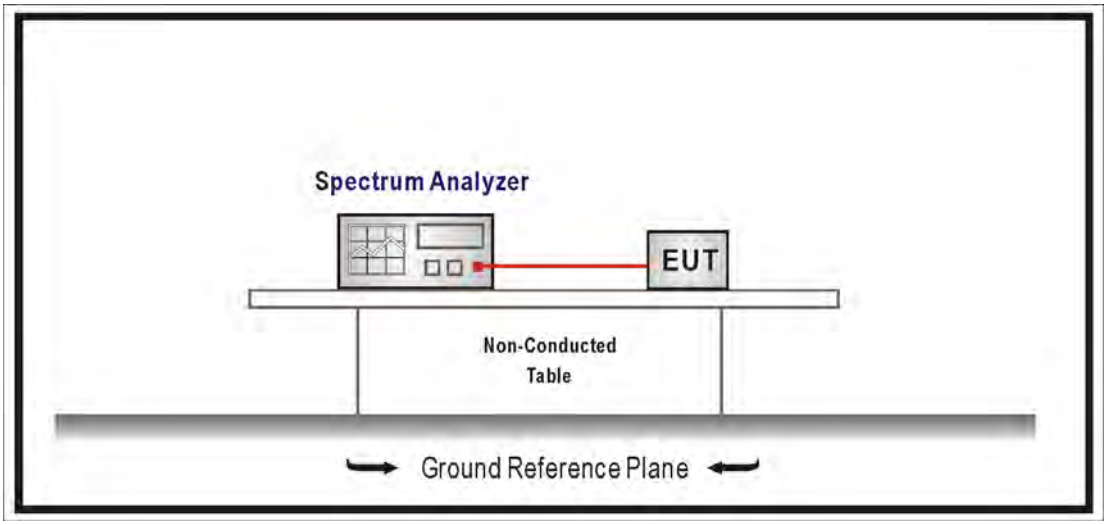
The following test equipments are used during the radiated emission tests:

Peak Power Spectrum Density / SR7

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

Note: 1. 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 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

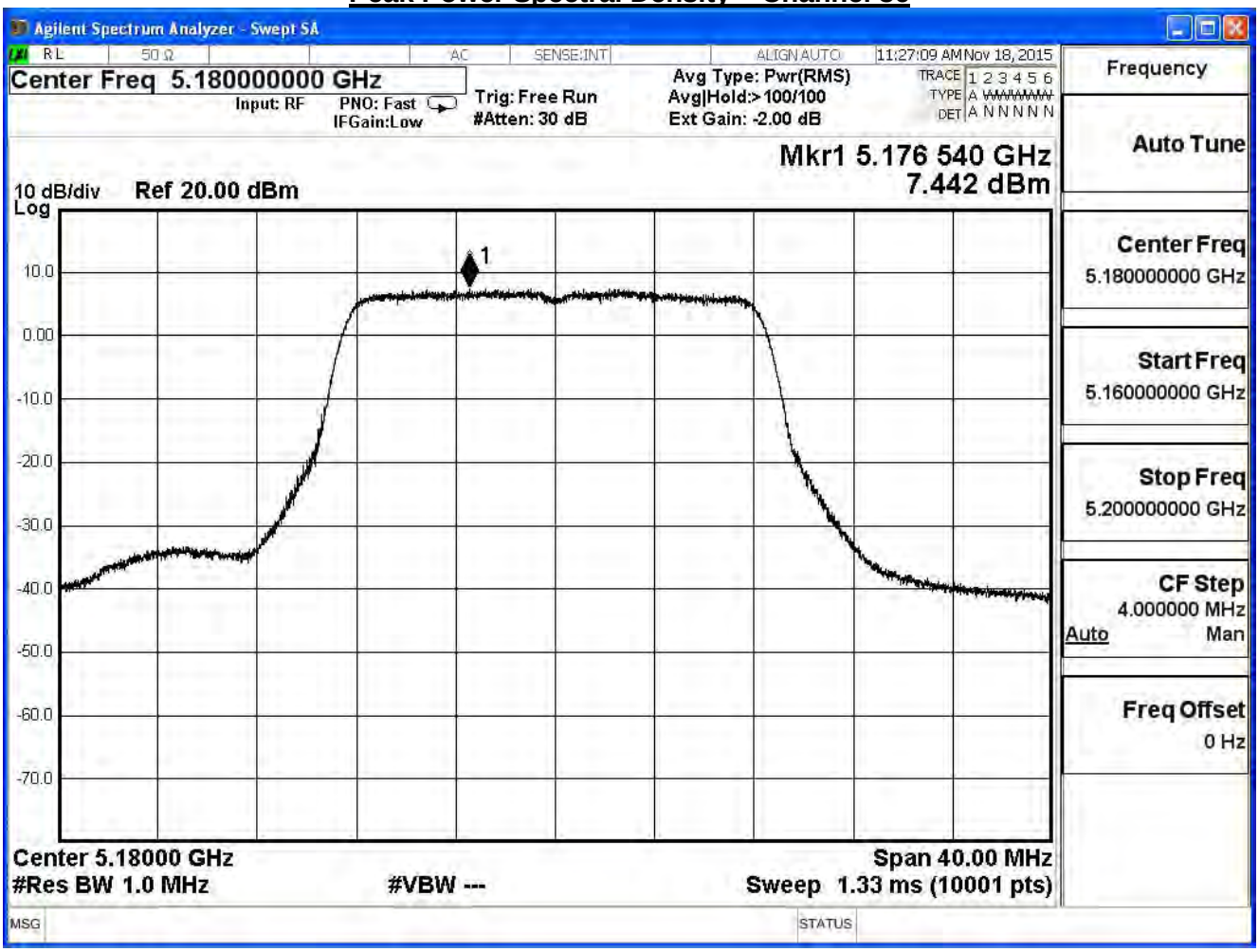
Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11a (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
36	5180	7.442	≦13.79	Pass
44	5220	7.529	≦13.79	Pass
48	5240	7.575	≦13.79	Pass

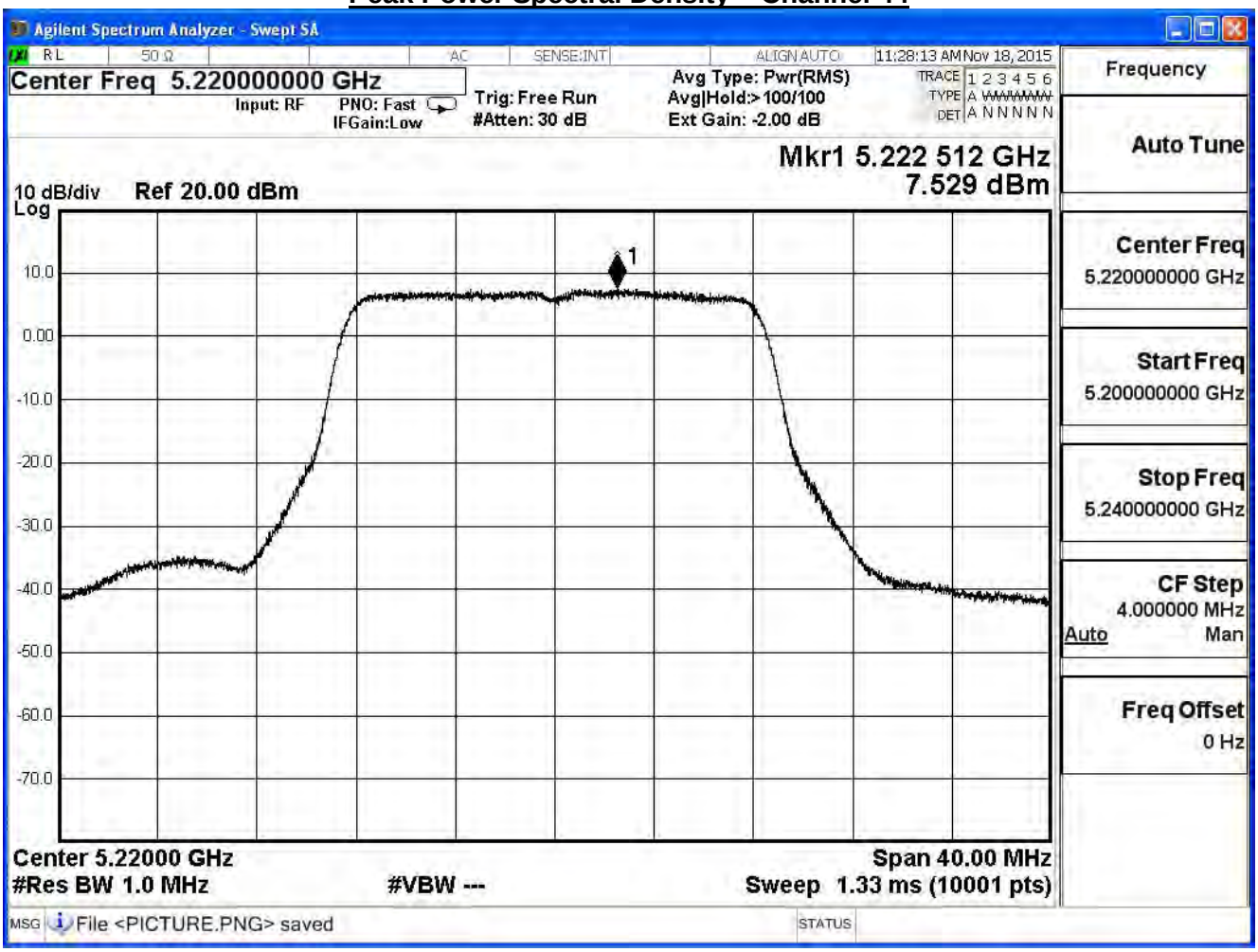
Directional Antenna: 10 Log(N)+Ant Gain =6.02+3.19= 9.21dBi

Power Density Limit:17dBm-(9.21dBi-6dB)= 13.79 dBm/MHz

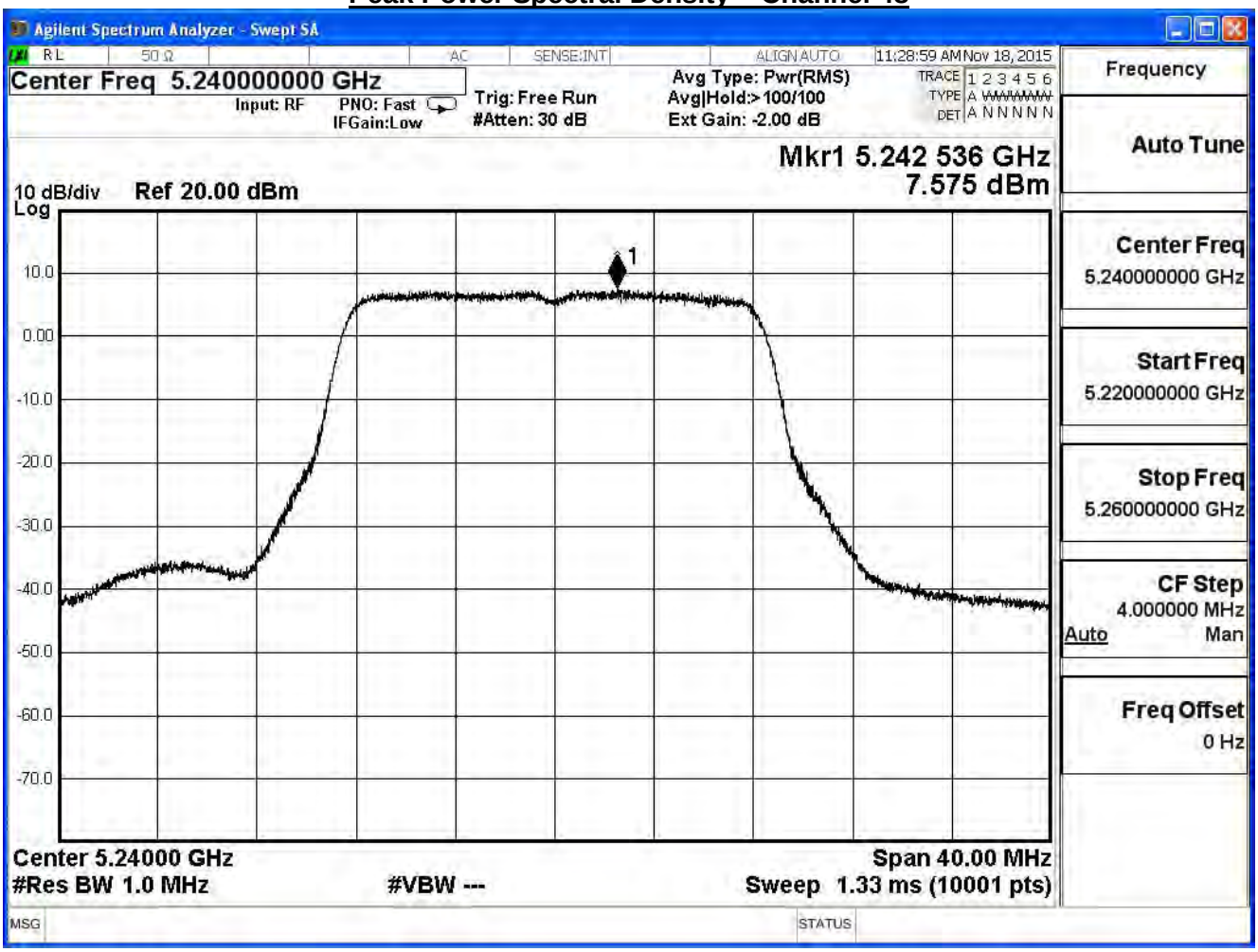
Peak Power Spectral Density – Channel 36



Peak Power Spectral Density – Channel 44



Peak Power Spectral Density – Channel 48



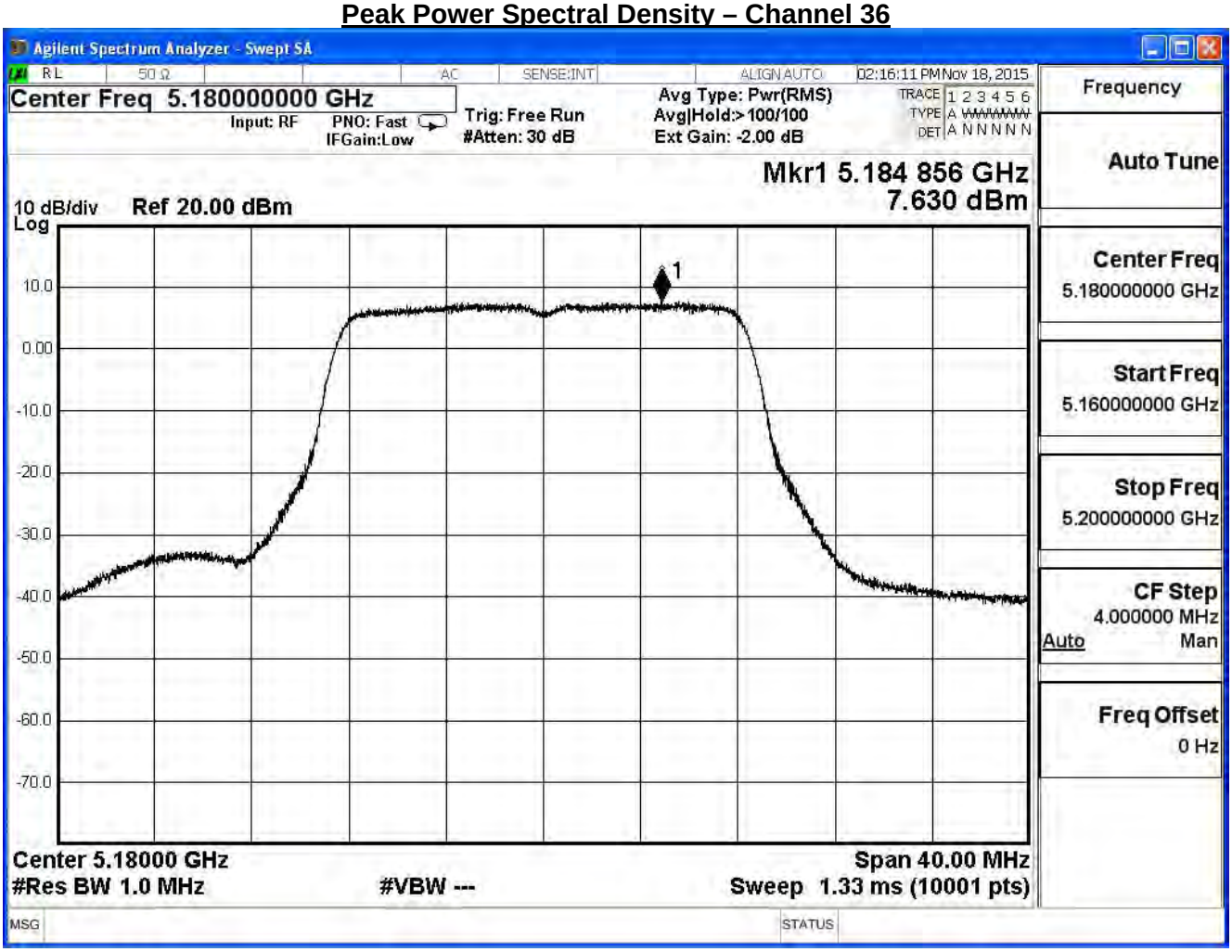
Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11a (ANT 1)				
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
36	5180	7.630	≦13.79	Pass
44	5220	7.776	≦13.79	Pass
48	5240	7.650	≦13.79	Pass

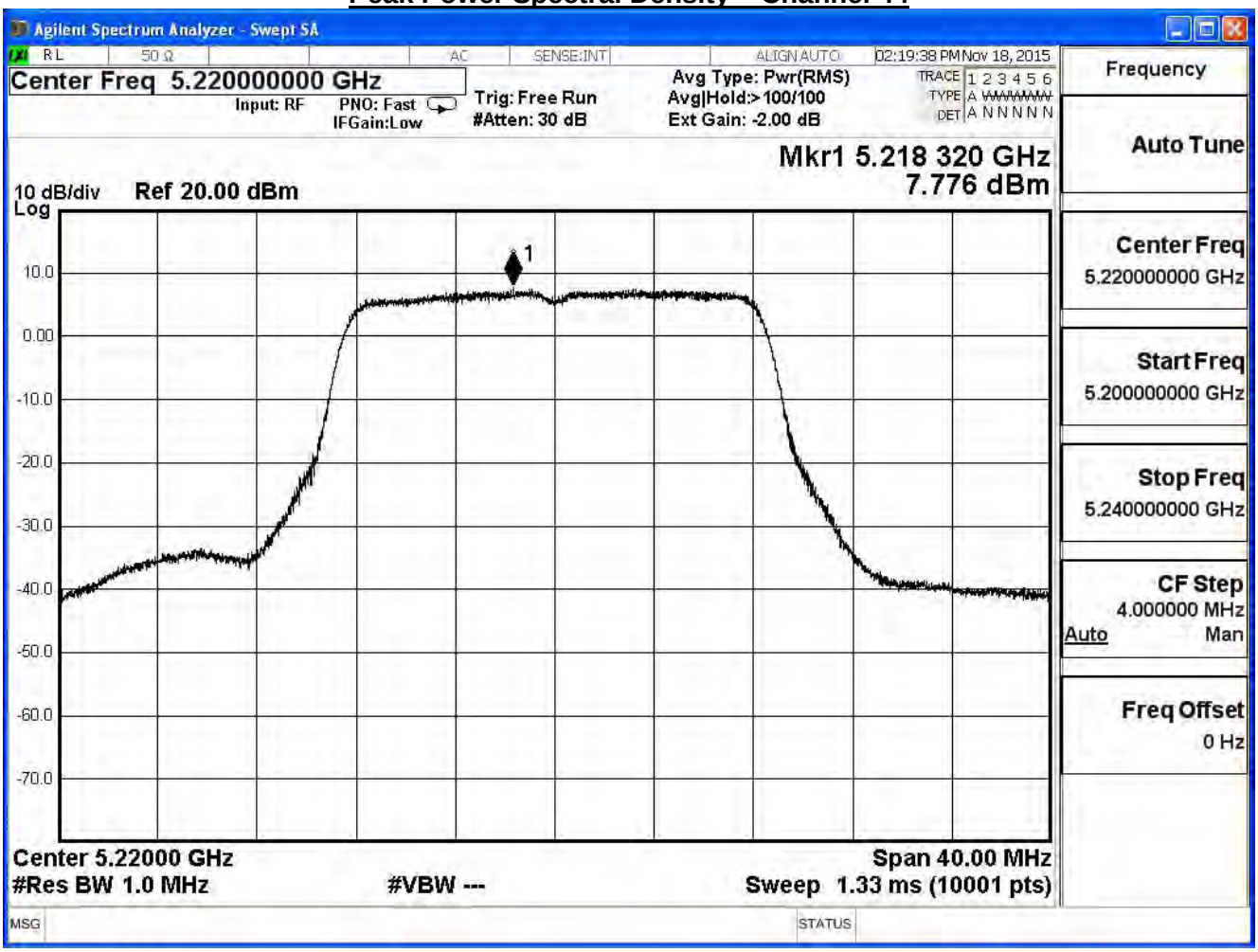
Directional Antenna: 10 Log(N)+Ant Gain =6.02+3.19= 9.21dBi

Power Density Limit:17dBm-(9.21dBi-6dB)= 13.79 dBm/MHz

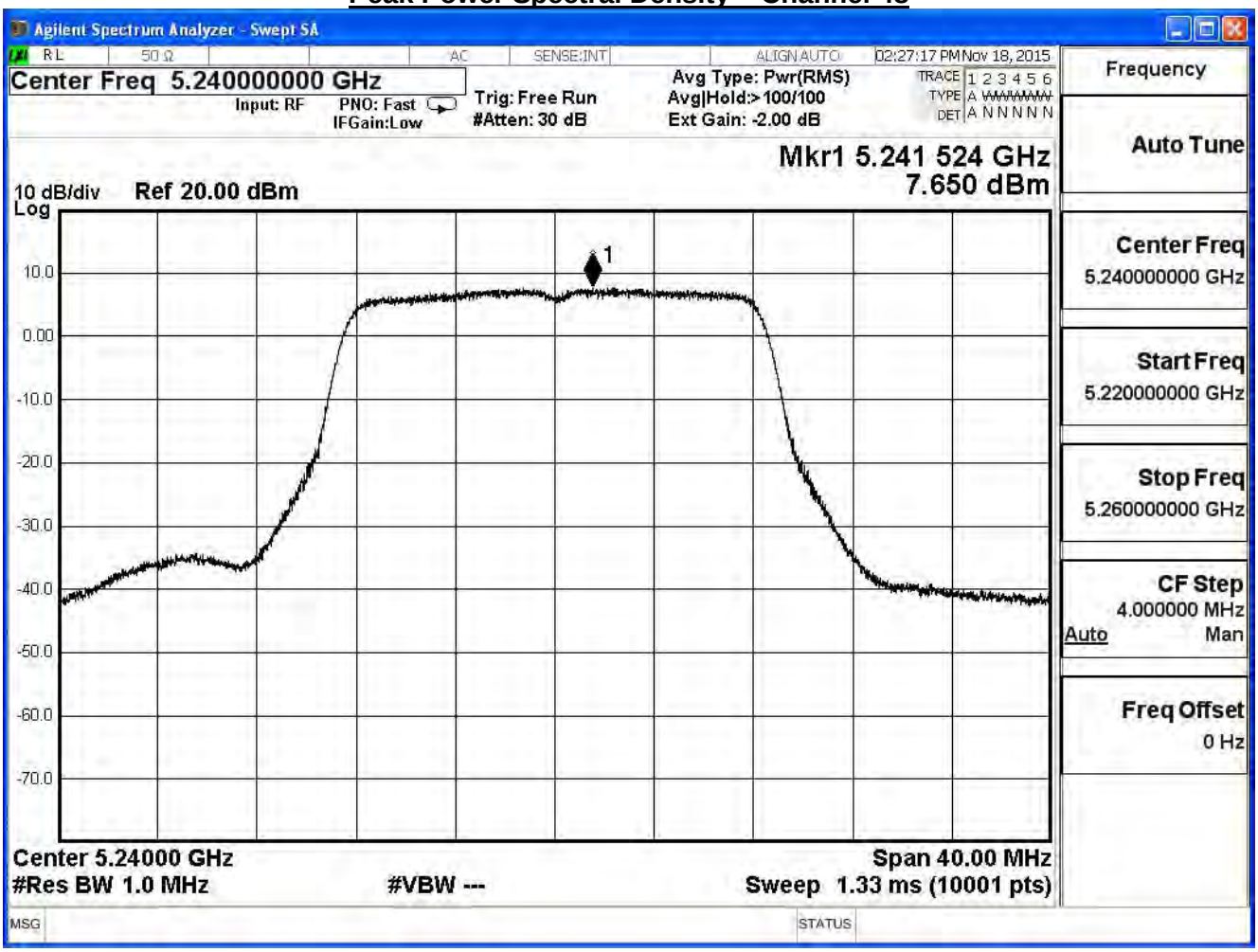
Peak Power Spectral Density – Channel 36



Peak Power Spectral Density – Channel 44



Peak Power Spectral Density – Channel 48



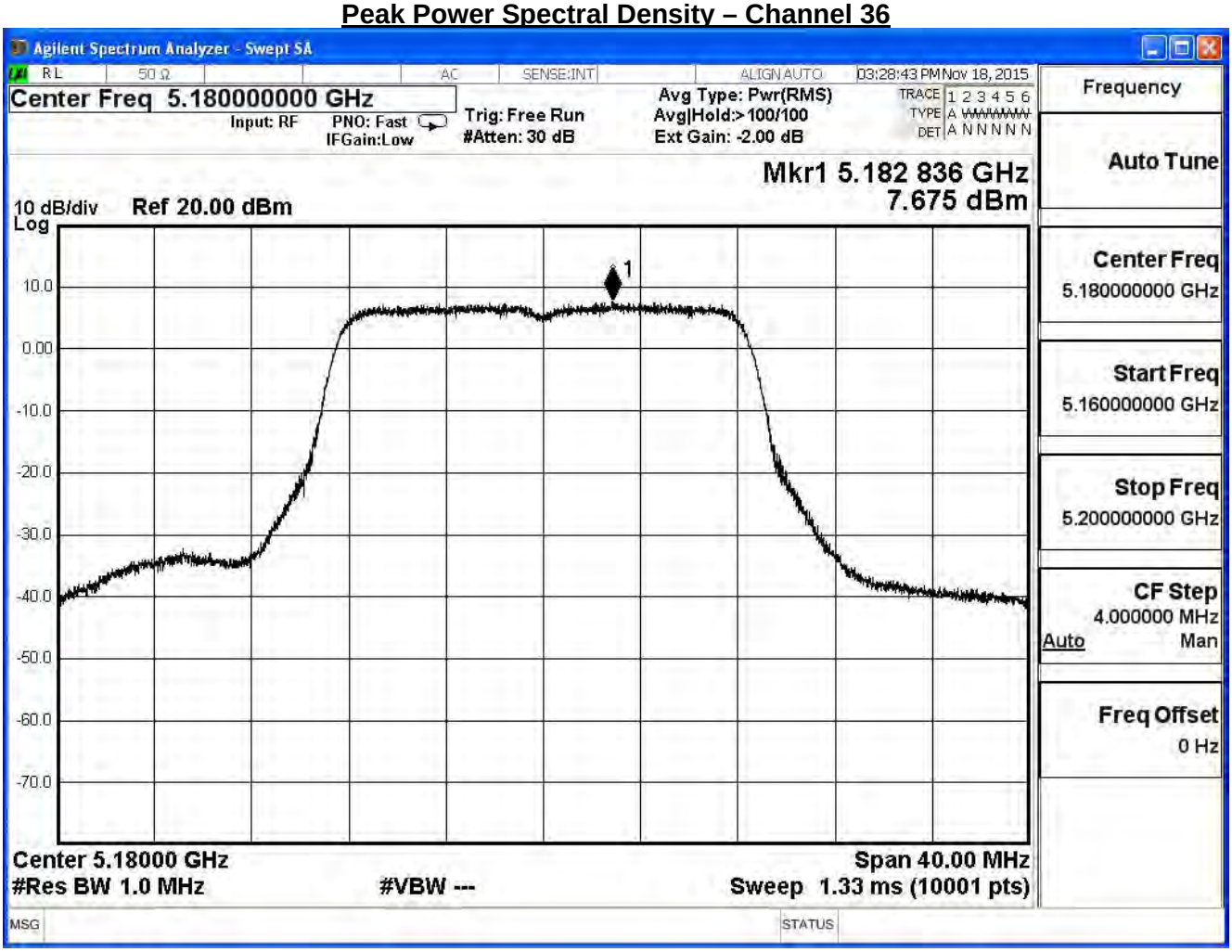
Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11a (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
36	5180	7.675	≦13.79	Pass
44	5220	7.735	≦13.79	Pass
48	5240	7.530	≦13.79	Pass

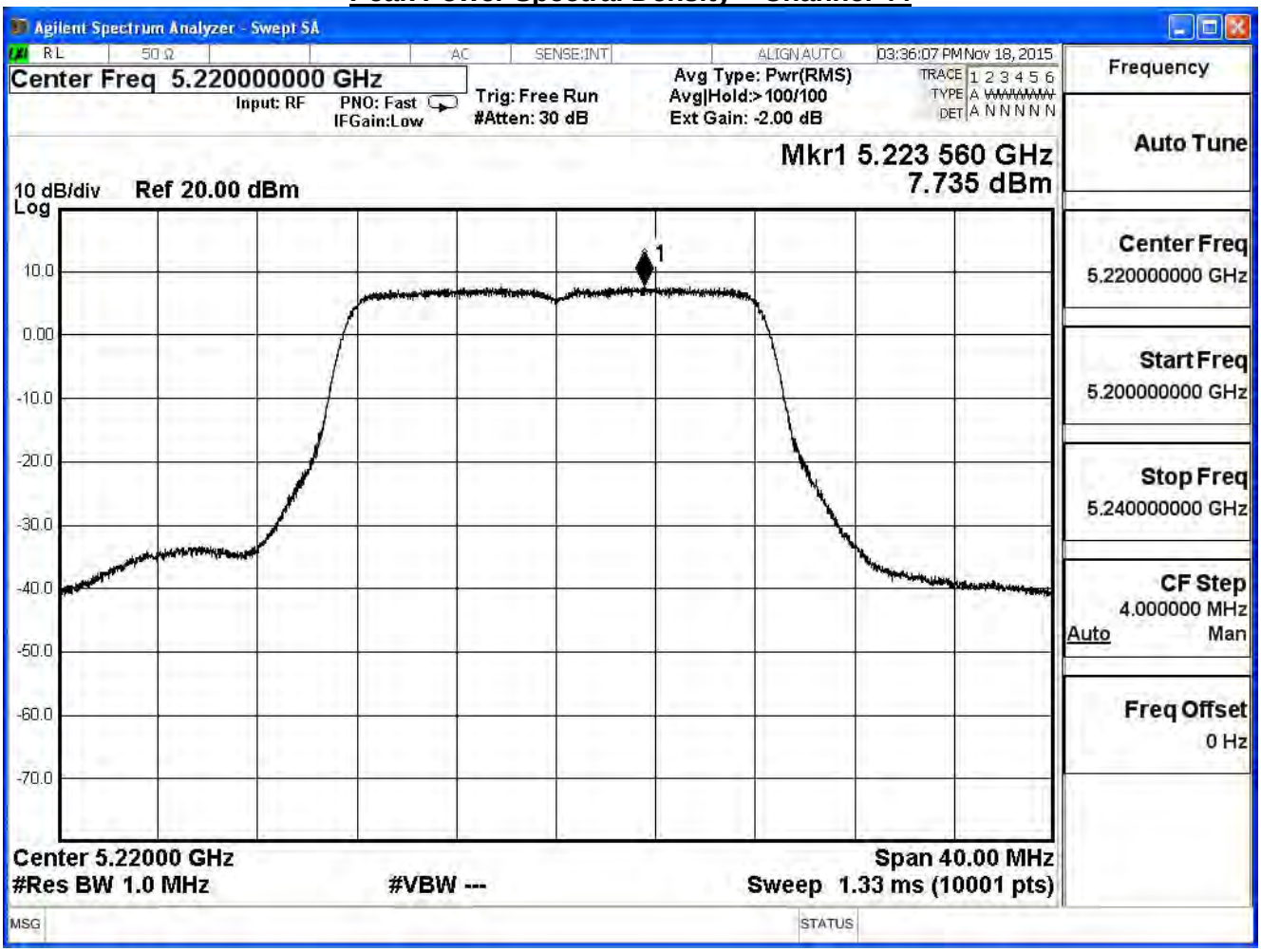
Directional Antenna: 10 Log(N)+Ant Gain =6.02+3.19= 9.21dBi

Power Density Limit:17dBm-(9.21dBi-6dB)= 13.79 dBm/MHz

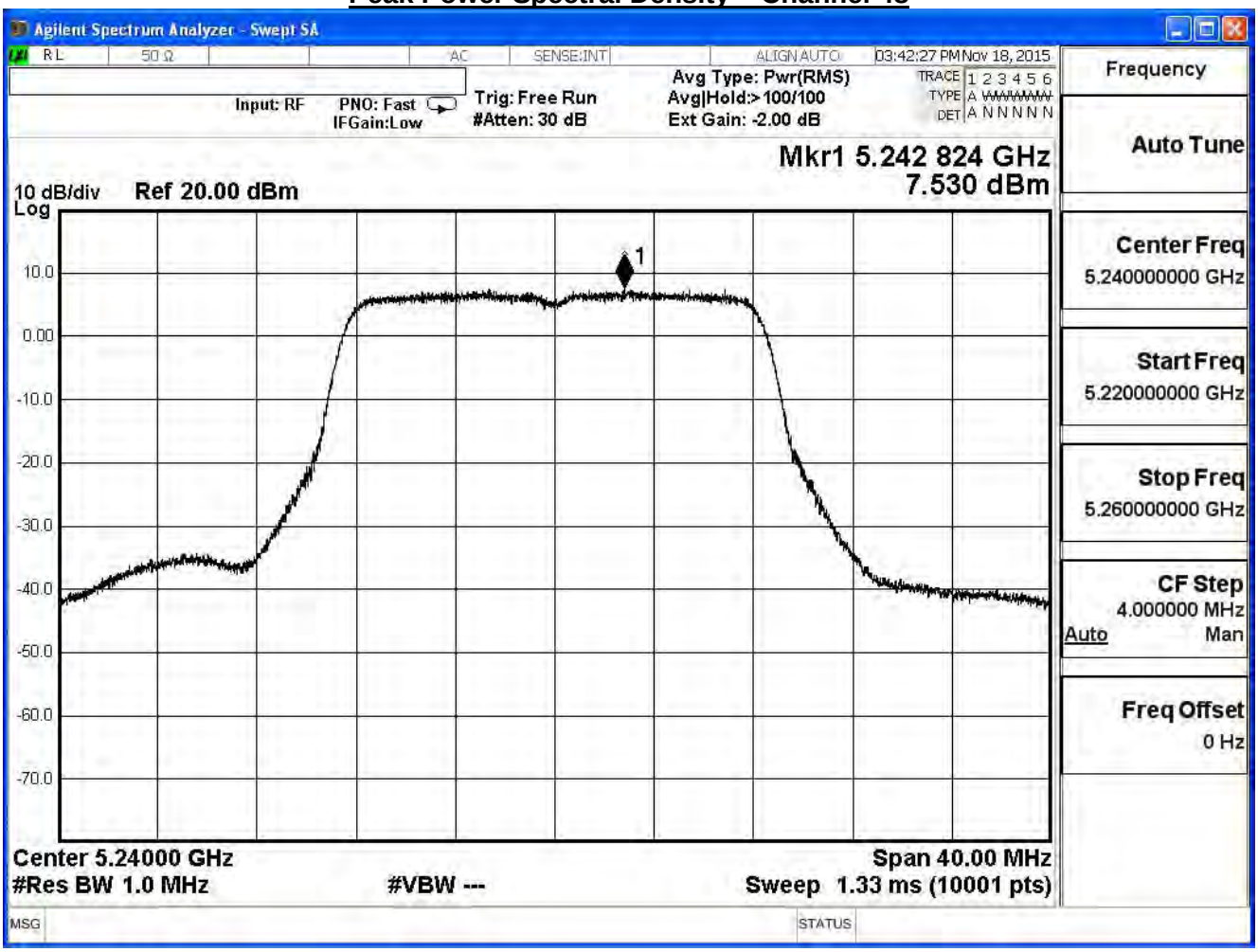
Peak Power Spectral Density – Channel 36



Peak Power Spectral Density – Channel 44



Peak Power Spectral Density – Channel 48



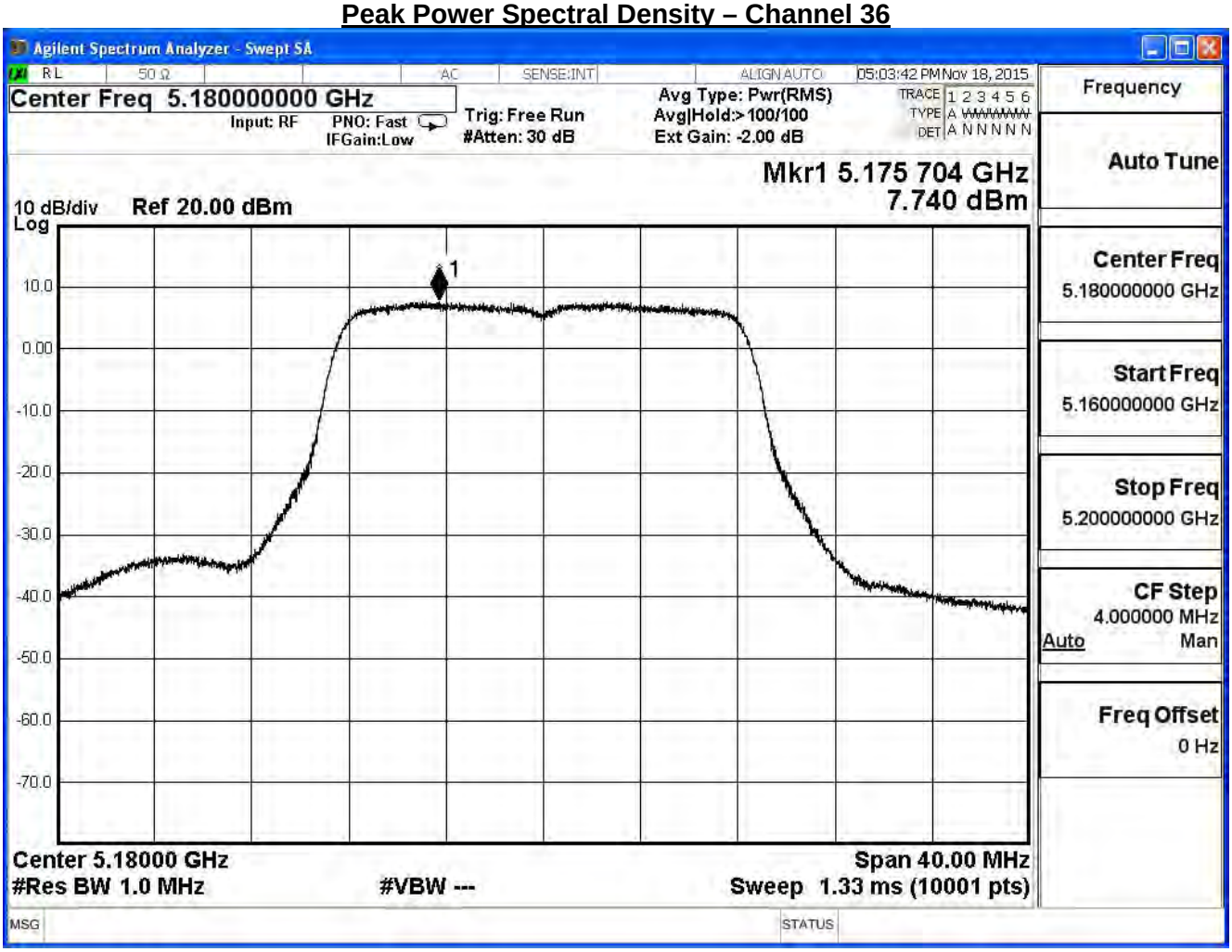
Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11a (ANT 3)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
36	5180	7.740	≦13.79	Pass
44	5220	7.632	≦13.79	Pass
48	5240	7.612	≦13.79	Pass

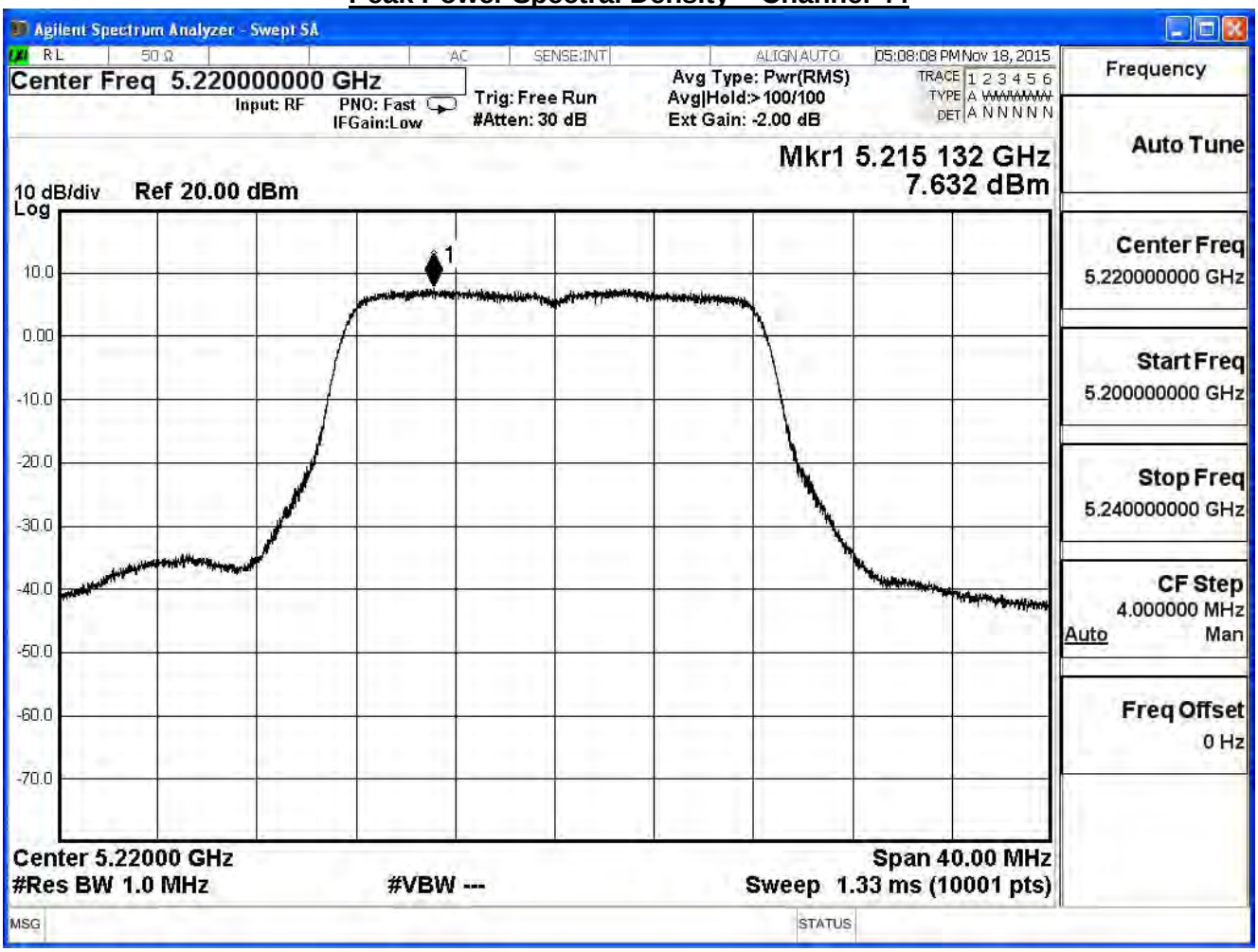
Directional Antenna: 10 Log(N)+Ant Gain =6.02+3.19= 9.21dBi

Power Density Limit:17dBm-(9.21dBi-6dB)= 13.79 dBm/MHz

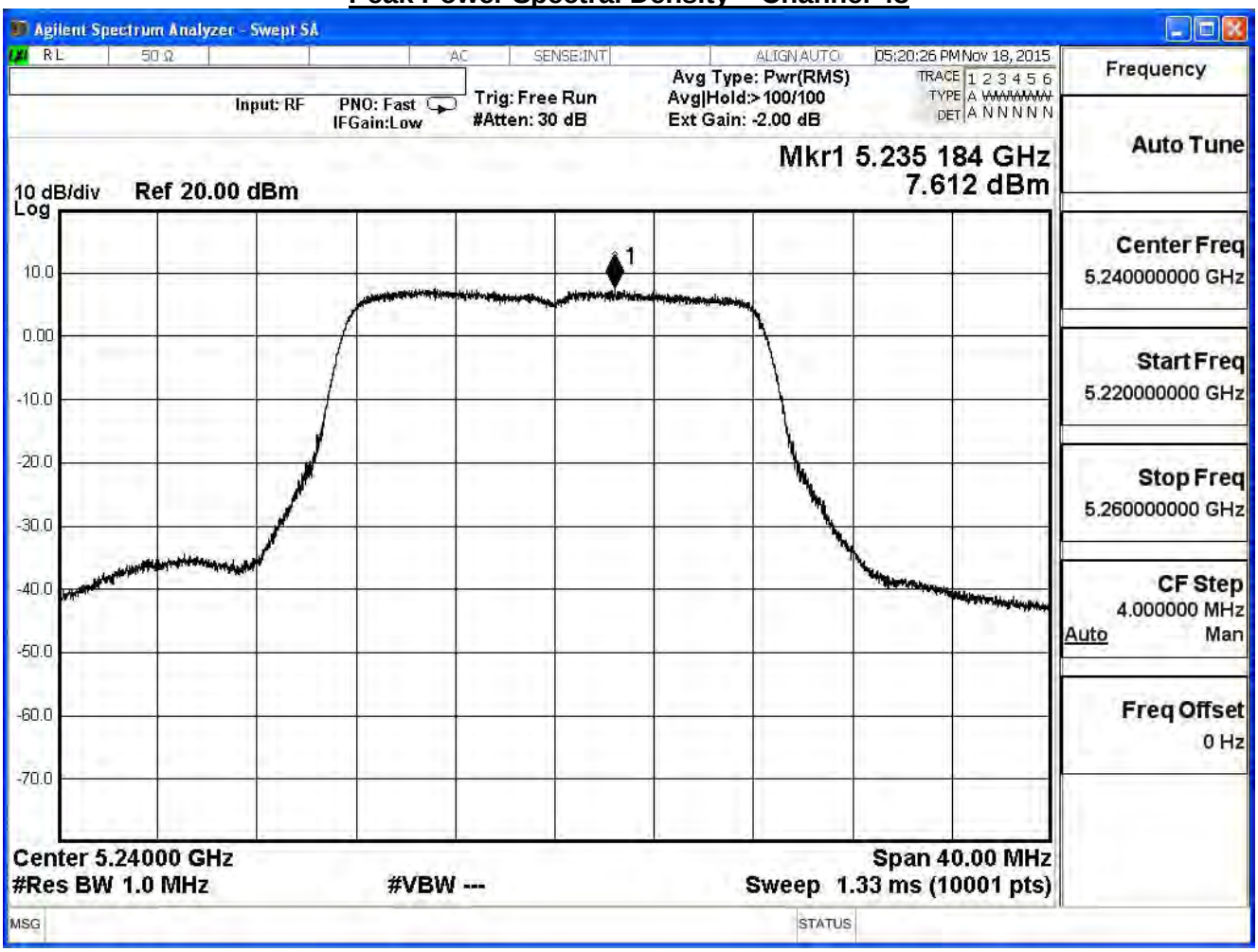
Peak Power Spectral Density – Channel 36



Peak Power Spectral Density – Channel 44



Peak Power Spectral Density – Channel 48



Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11a (ANT 0+1+2+3)				
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
36	5180	13.644	≦13.79	
44	5220	13.690	≦13.79	
48	5240	13.613	≦13.79	

Directional Antenna: 10 Log(N)+Ant Gain =6.02+3.19= 9.21dBi

Power Density Limit:17dBm-(9.21dBi-6dB)= 13.79 dBm/MHz

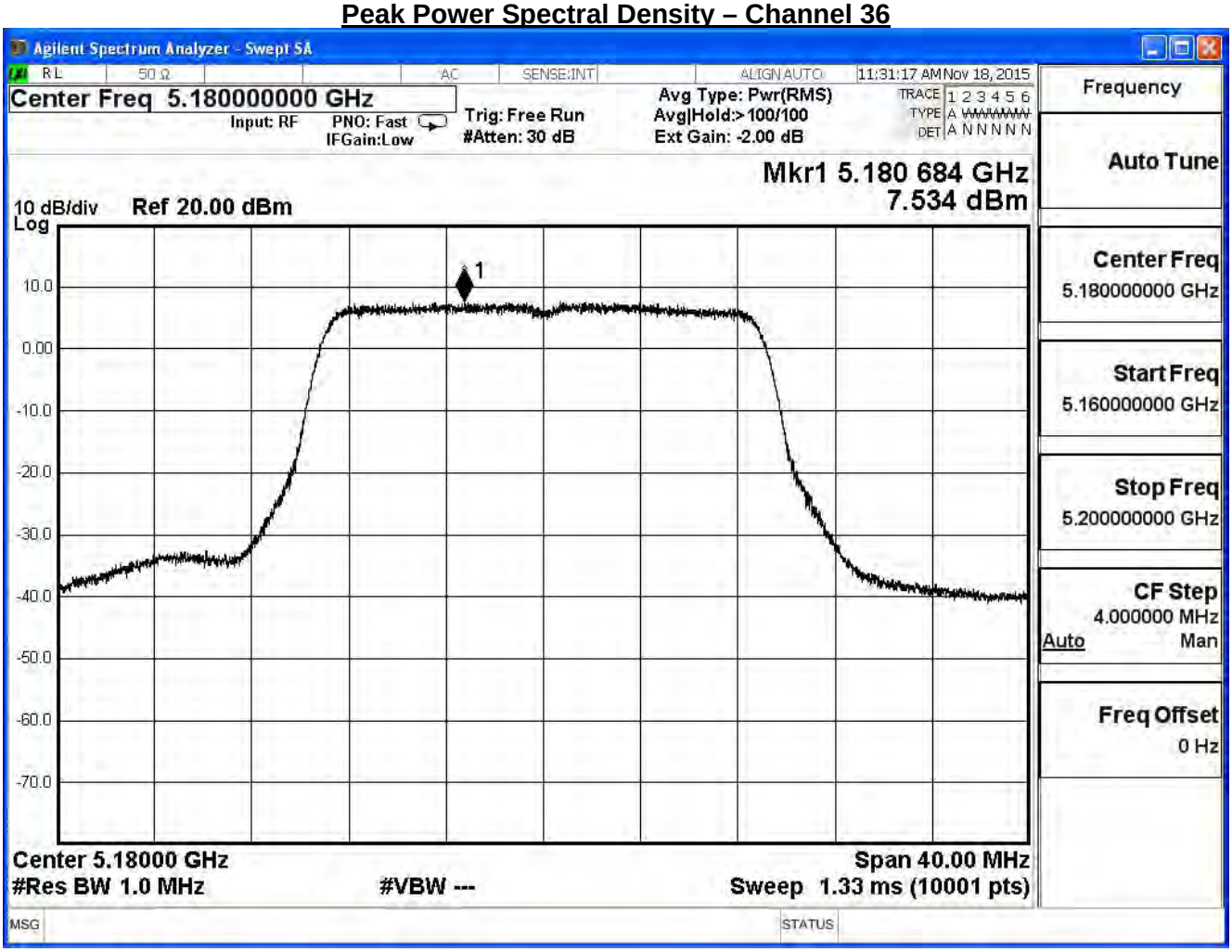
Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11n_20M (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
36	5180	7.534	≦13.79	Pass
44	5220	7.697	≦13.79	Pass
48	5240	7.771	≦13.79	Pass

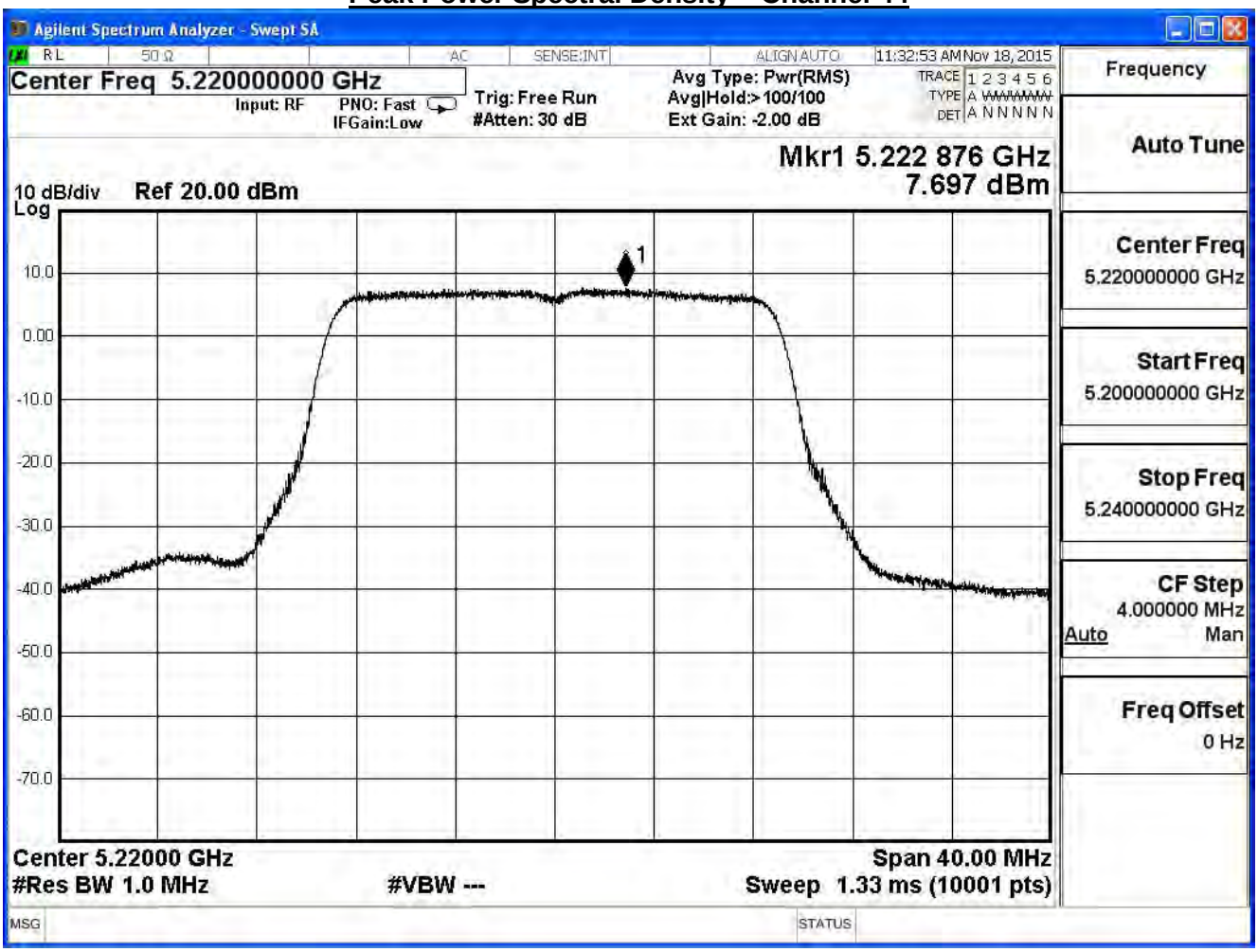
Directional Antenna: 10 Log(N)+Ant Gain =6.02+3.19= 9.21dBi

Power Density Limit:17dBm-(9.21dBi-6dB)= 13.79 dBm/MHz

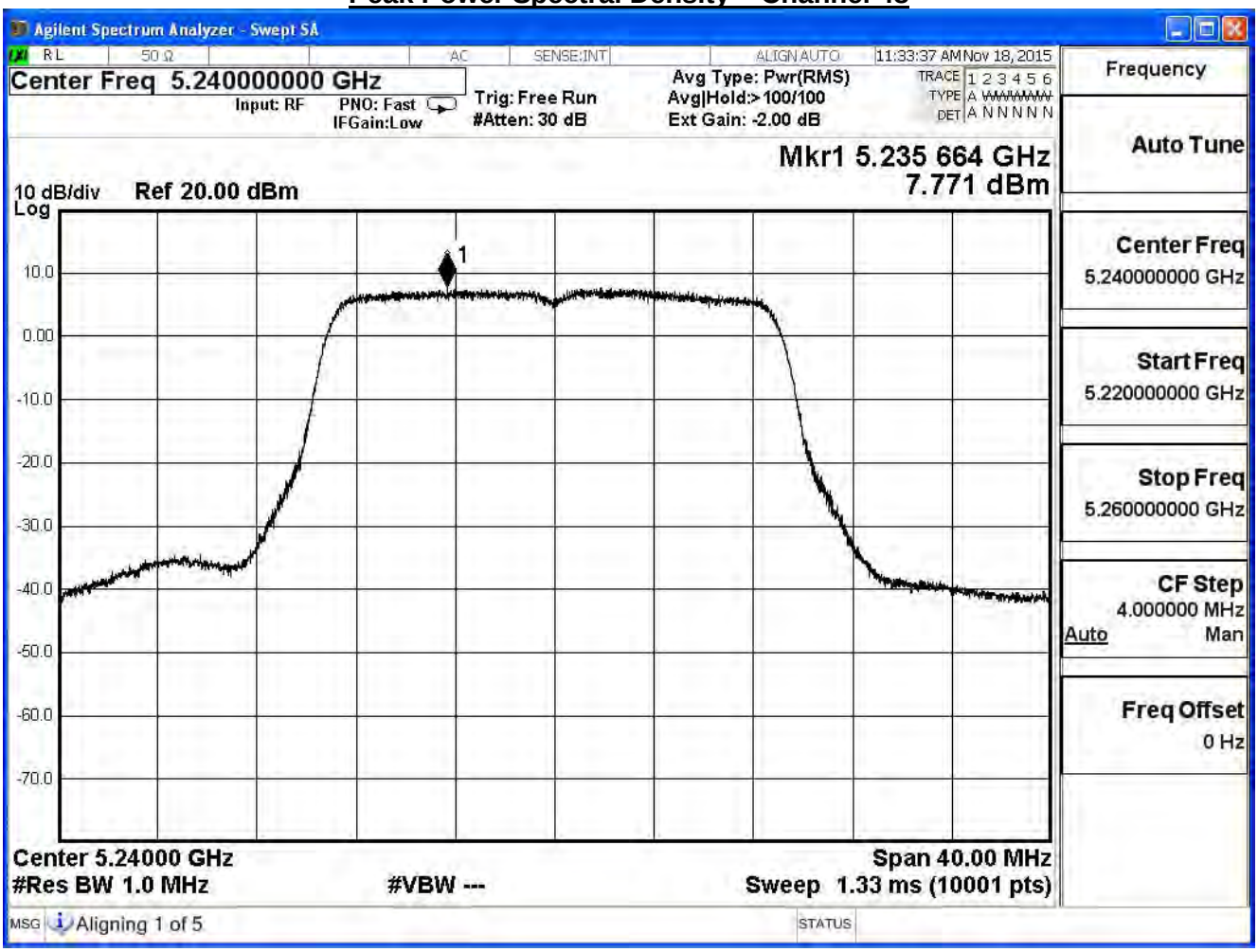
Peak Power Spectral Density – Channel 36



Peak Power Spectral Density – Channel 44



Peak Power Spectral Density – Channel 48



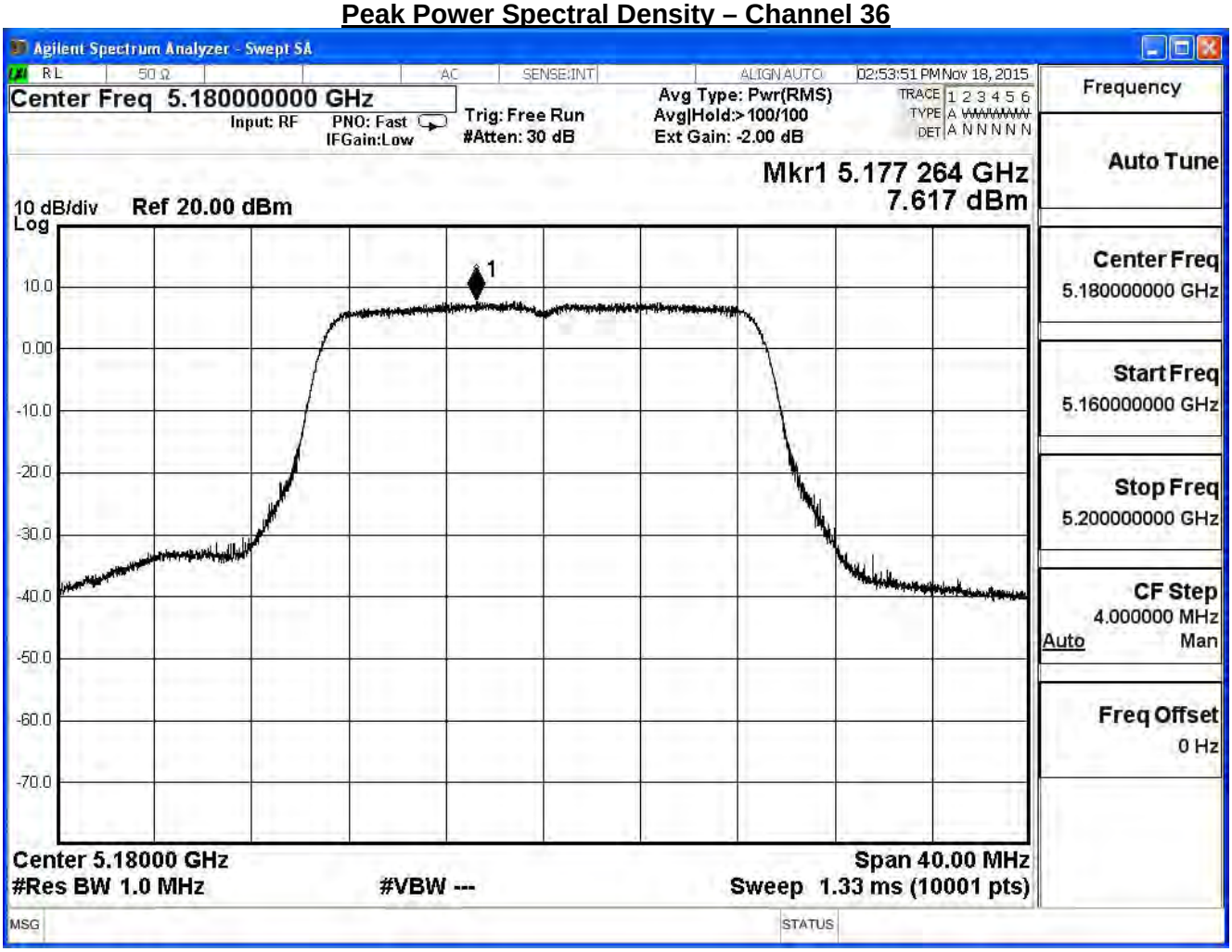
Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11n_20M (ANT 1)				
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
36	5180	7.617	≦13.79	Pass
44	5220	7.661	≦13.79	Pass
48	5240	7.750	≦13.79	Pass

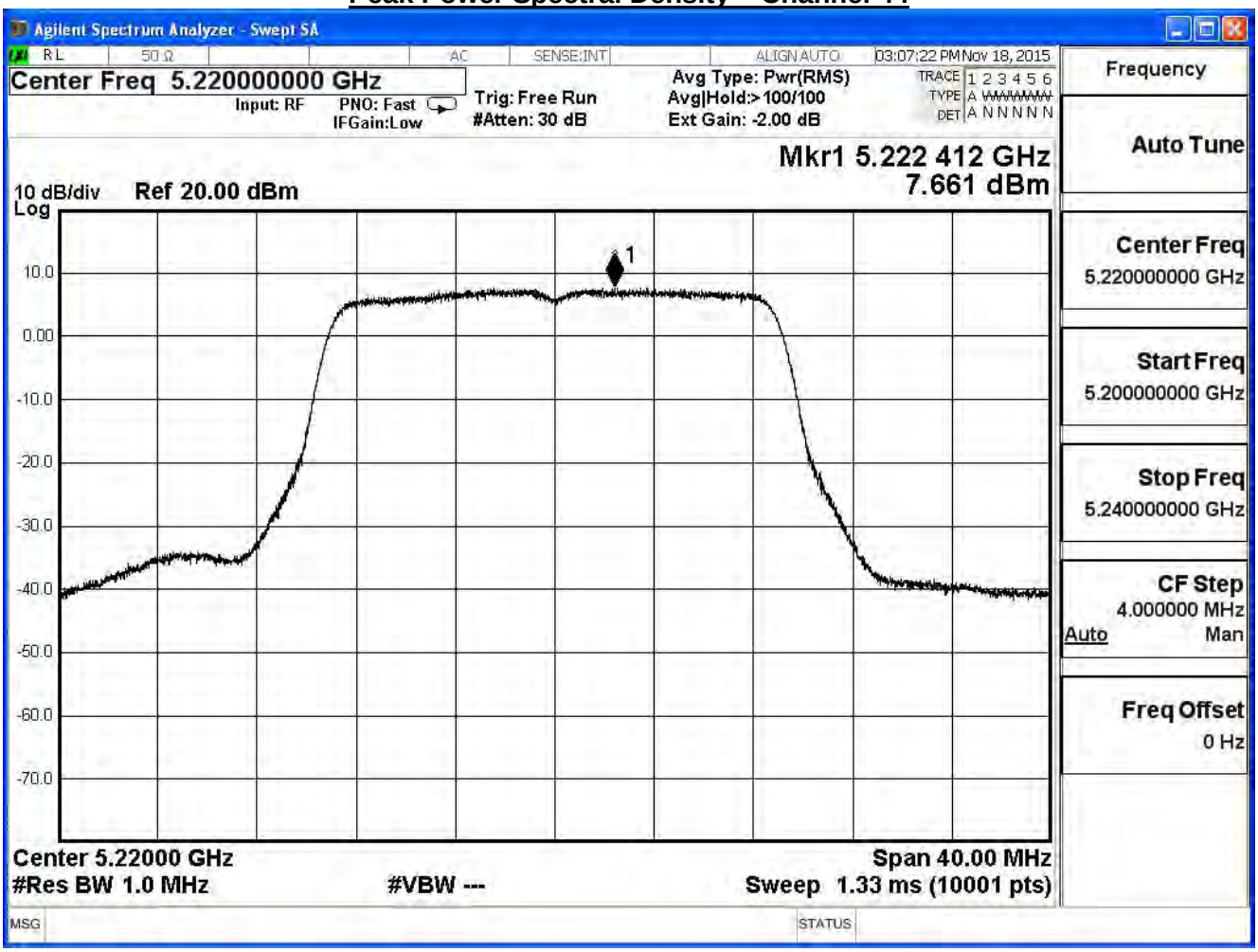
Directional Antenna: 10 Log(N)+Ant Gain =6.02+3.19= 9.21dBi

Power Density Limit:17dBm-(9.21dBi-6dB)= 13.79 dBm/MHz

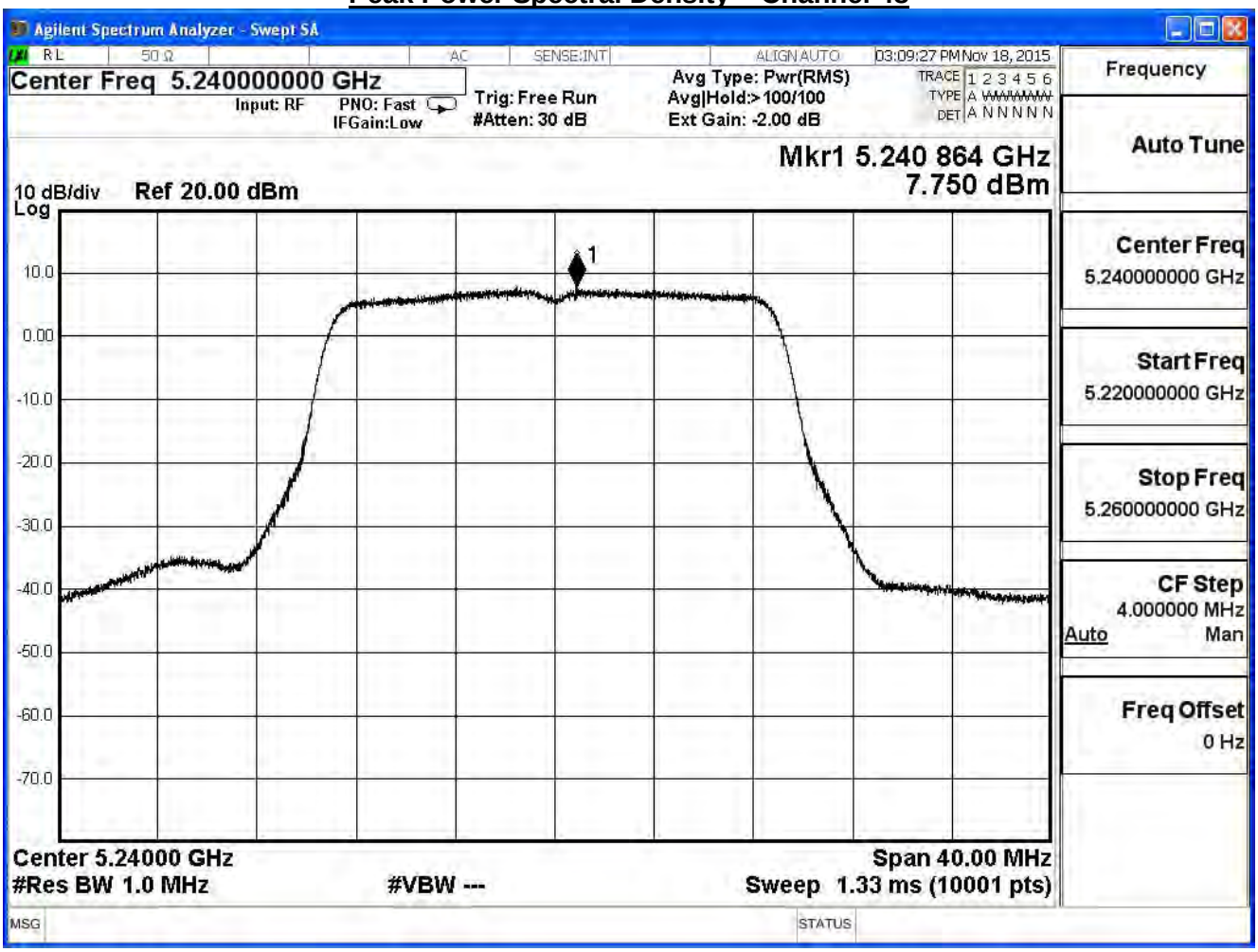
Peak Power Spectral Density – Channel 36



Peak Power Spectral Density – Channel 44



Peak Power Spectral Density – Channel 48



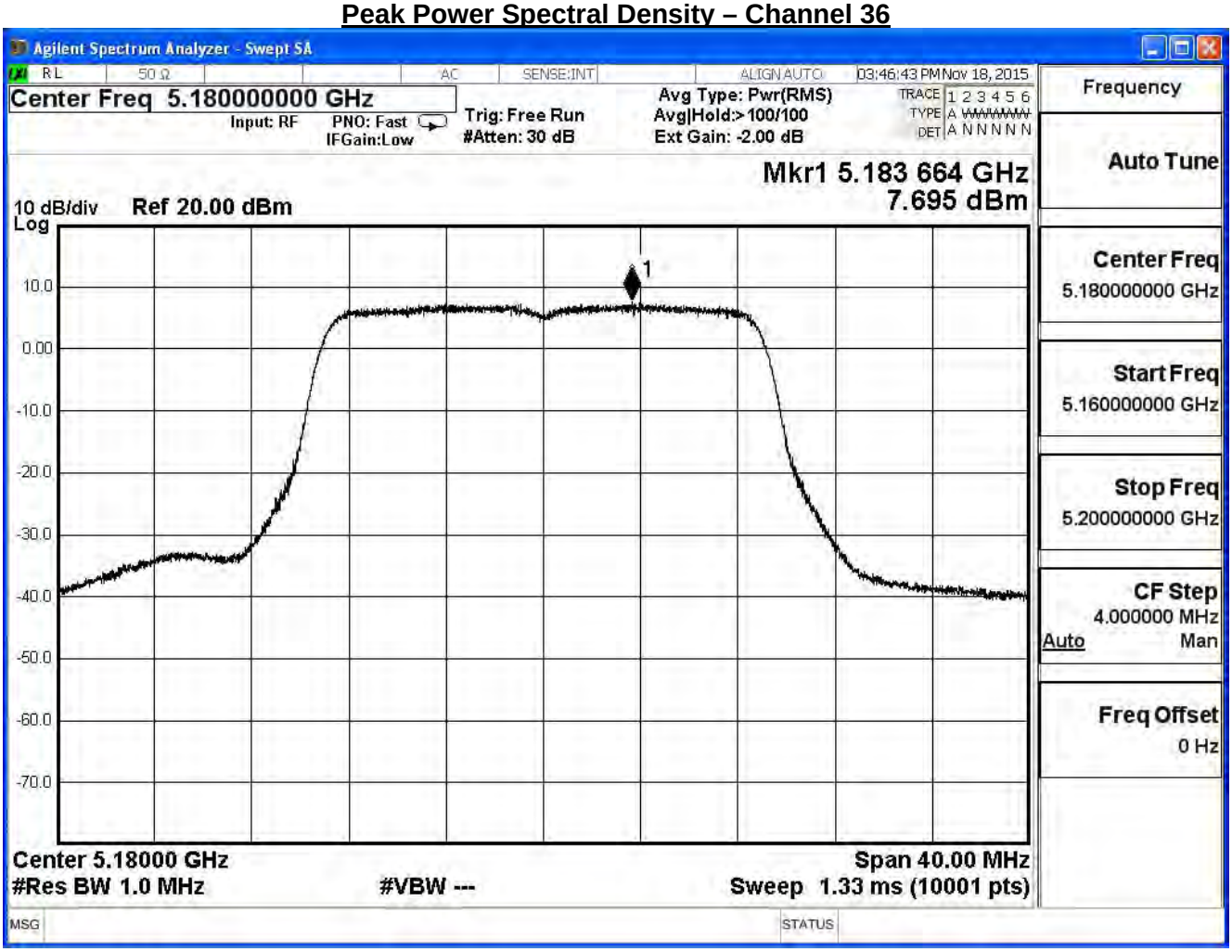
Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11n_20M (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
36	5180	7.695	≦13.79	Pass
44	5220	7.589	≦13.79	Pass
48	5240	7.721	≦13.79	Pass

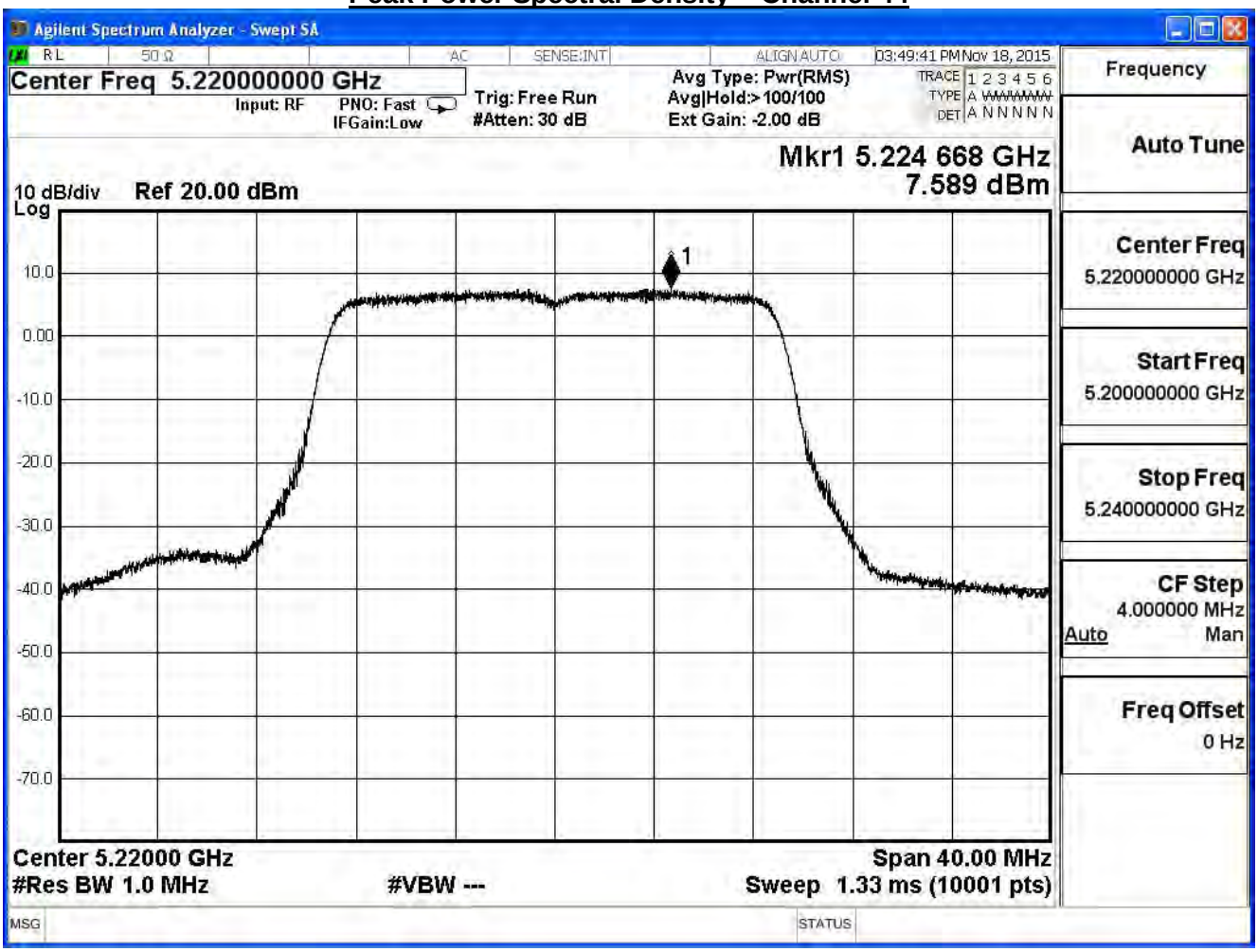
Directional Antenna: 10 Log(N)+Ant Gain =6.02+3.19= 9.21dBi

Power Density Limit:17dBm-(9.21dBi-6dB)= 13.79 dBm/MHz

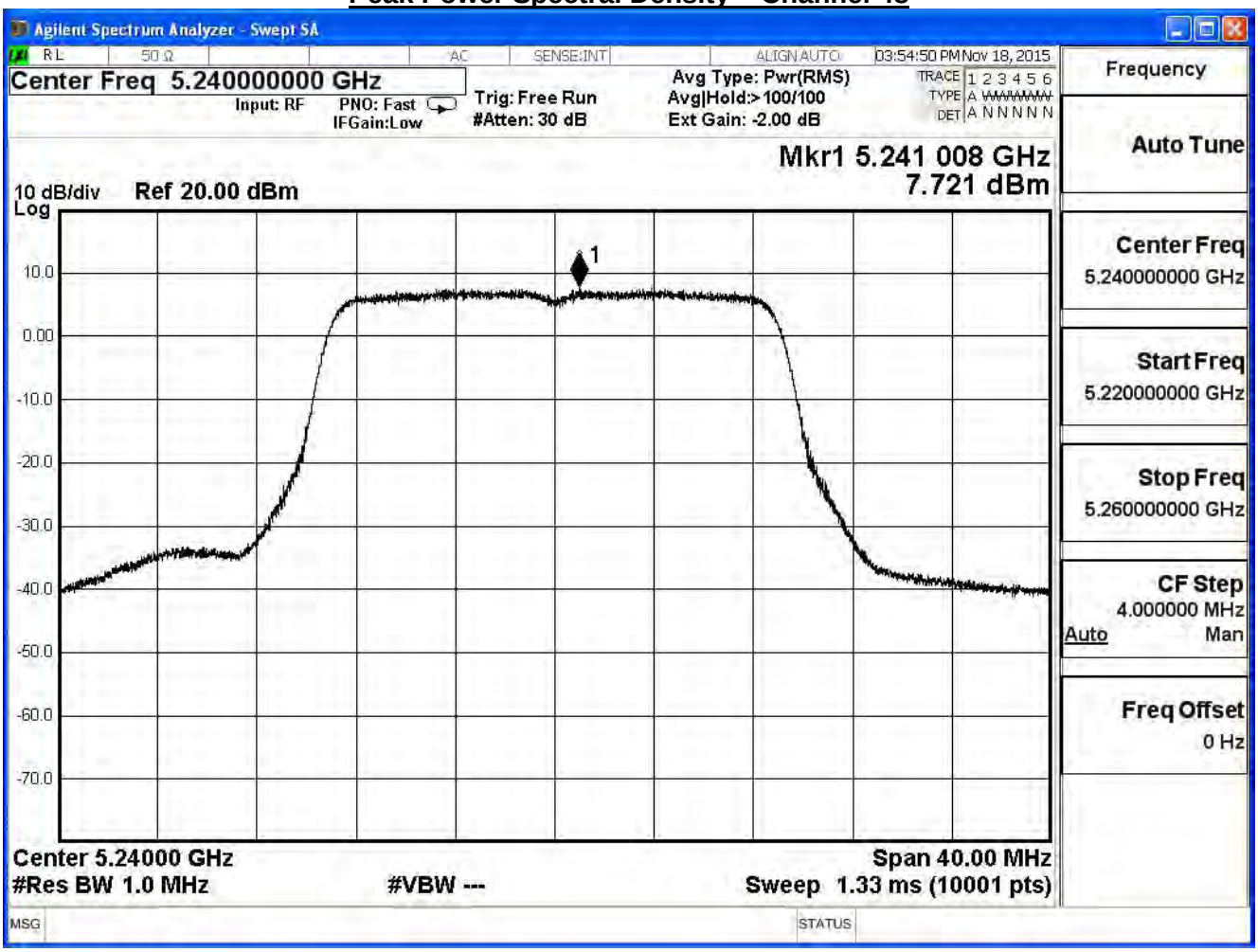
Peak Power Spectral Density – Channel 36



Peak Power Spectral Density – Channel 44



Peak Power Spectral Density – Channel 48



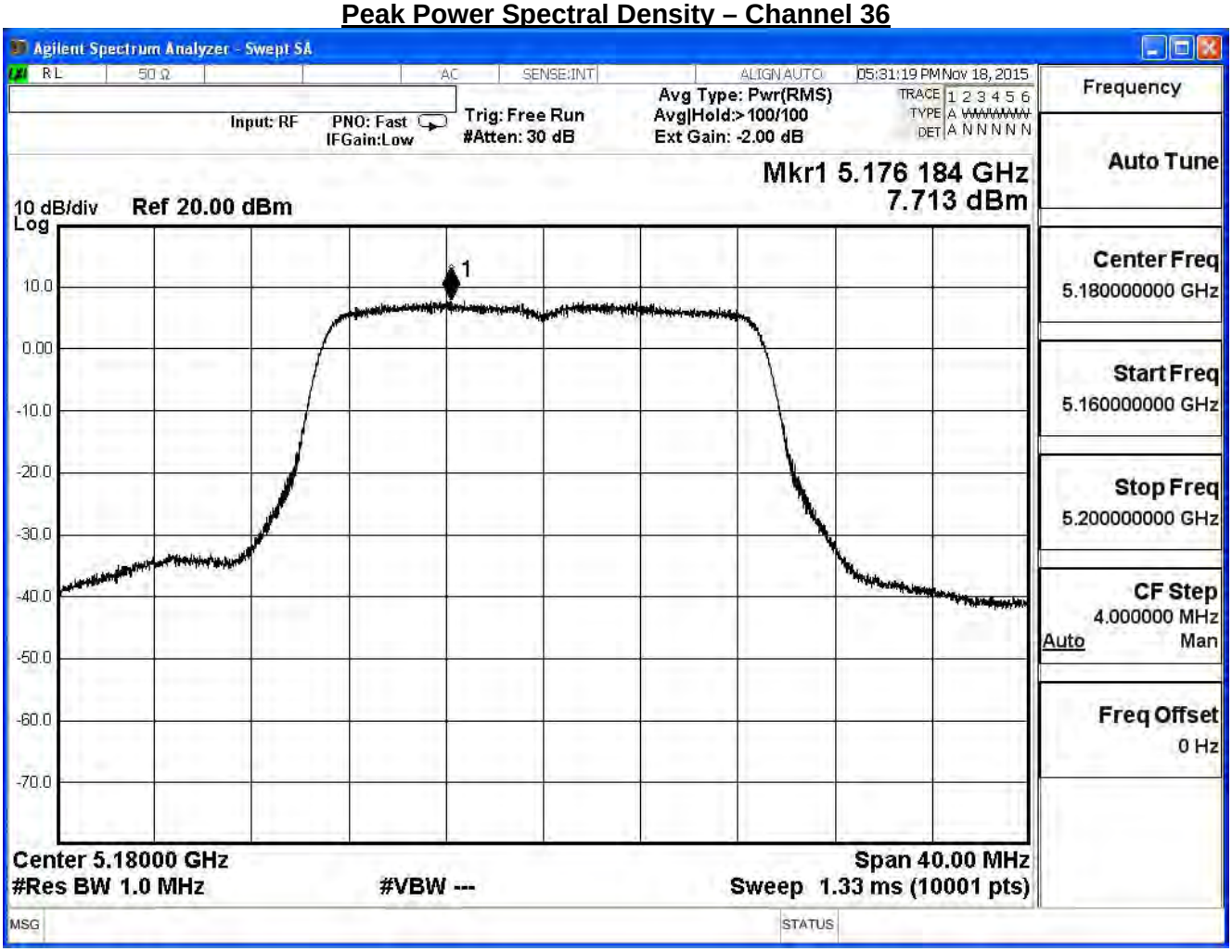
Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11n_20M (ANT 3)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
36	5180	7.713	≦13.79	Pass
44	5220	7.685	≦13.79	Pass
48	5240	7.730	≦13.79	Pass

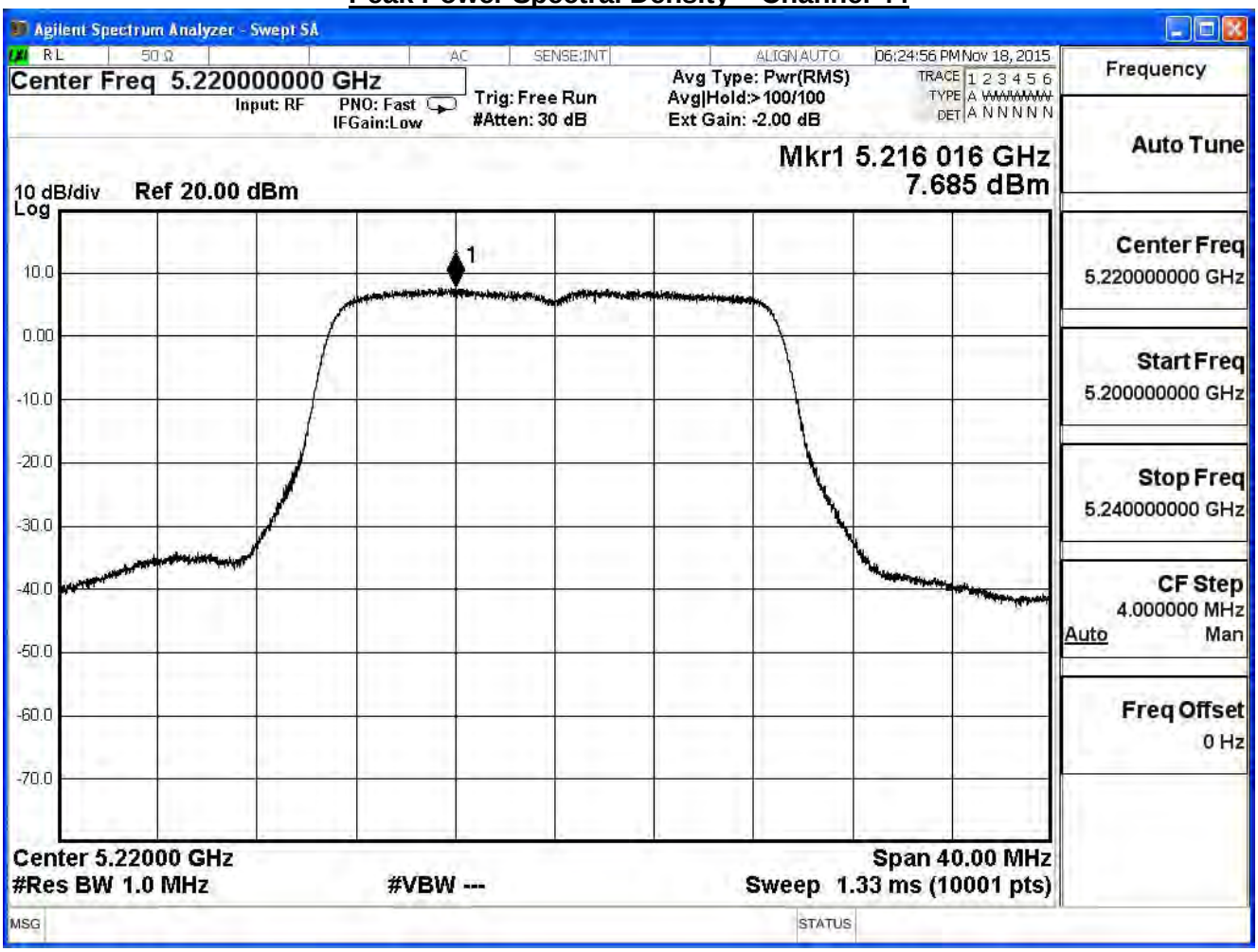
Directional Antenna: 10 Log(N)+Ant Gain =6.02+3.19= 9.21dBi

Power Density Limit:17dBm-(9.21dBi-6dB)= 13.79 dBm/MHz

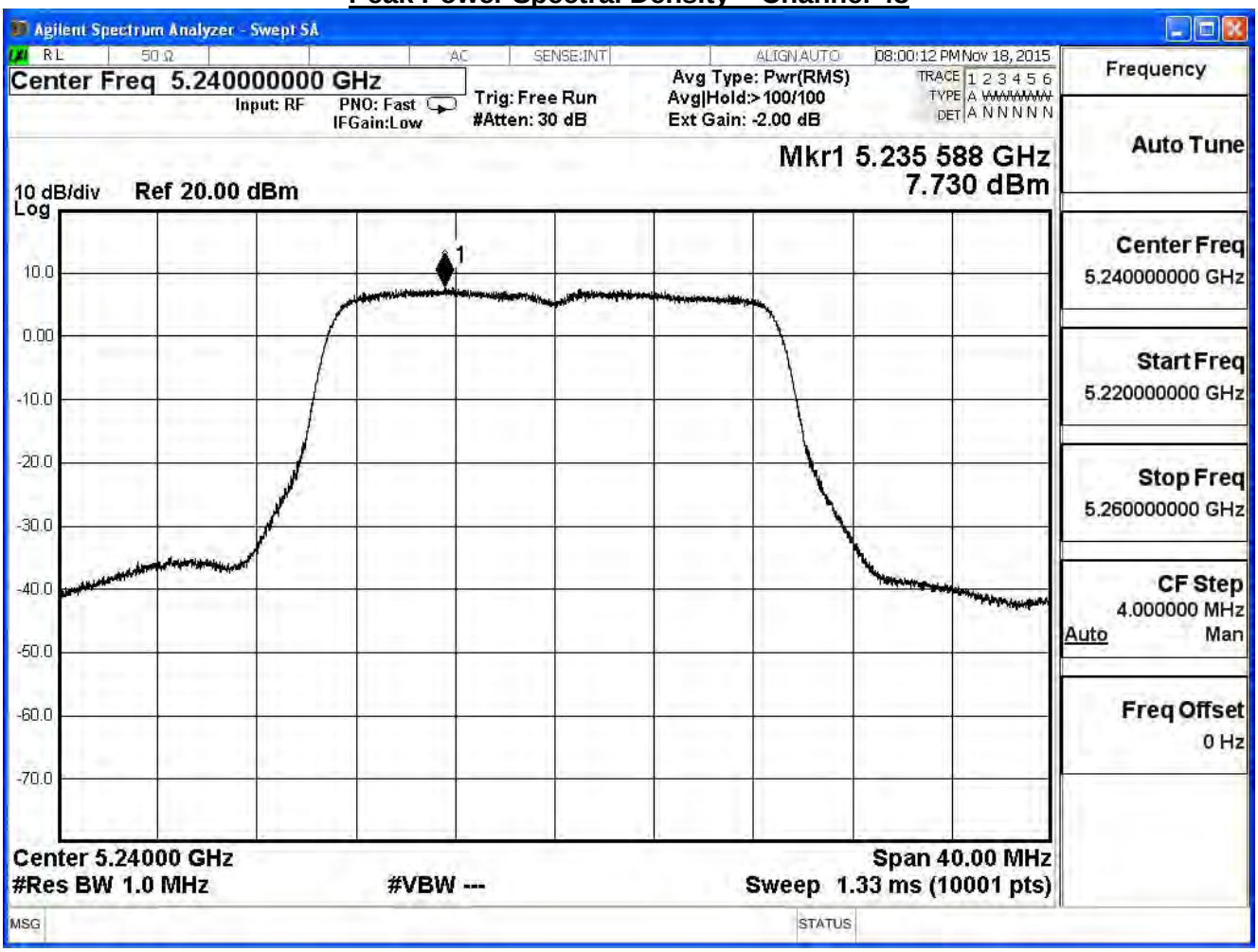
Peak Power Spectral Density – Channel 36



Peak Power Spectral Density – Channel 44



Peak Power Spectral Density – Channel 48



Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11n_20M (ANT 0+1+2+3)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
36	5180	13.661	≦13.79	Pass
44	5220	13.679	≦13.79	Pass
48	5240	13.764	≦13.79	Pass

Directional Antenna: 10 Log(N)+Ant Gain =6.02+3.19= 9.21dBi

Power Density Limit:17dBm-(9.21dBi-6dB)= 13.79 dBm/MHz

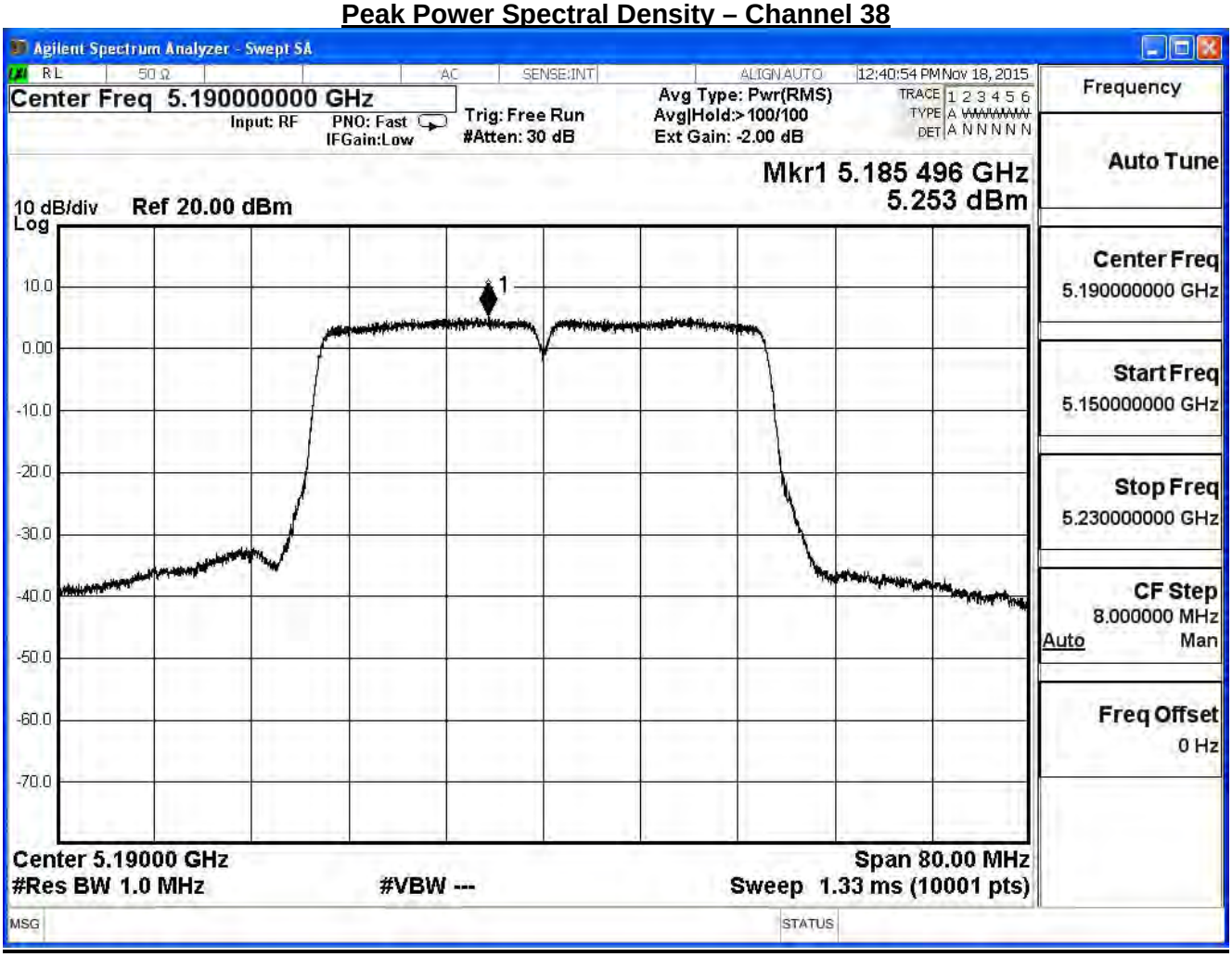
Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11n_40M(ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
38	5190	5.253	≦13.79
46	5230	7.750	≦13.79

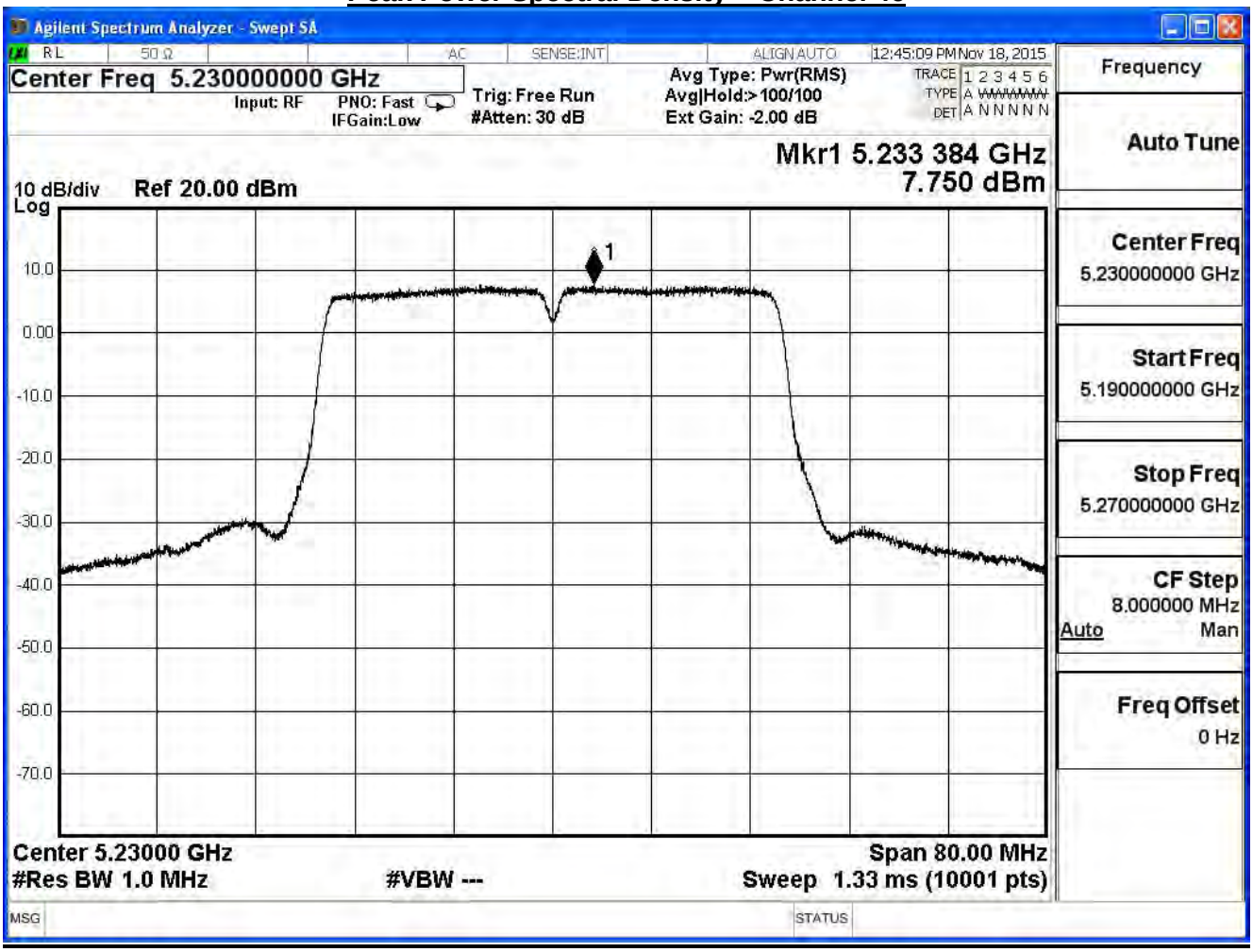
Directional Antenna: 10 Log(N)+Ant Gain =6.02+3.19= 9.21dBi

Power Density Limit:17dBm-(9.21dBi-6dB)= 13.79 dBm/MHz

Peak Power Spectral Density – Channel 38



Peak Power Spectral Density – Channel 46



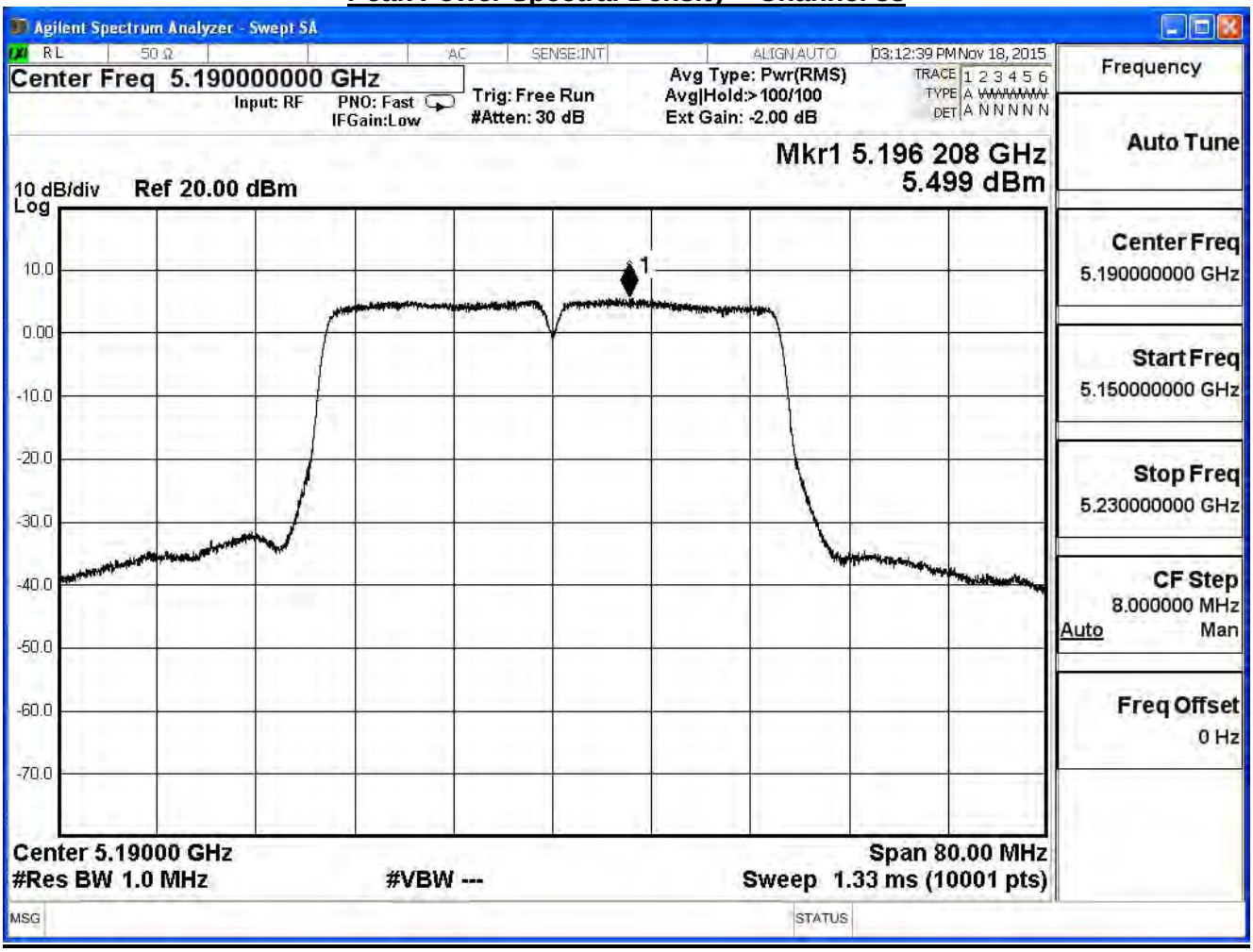
Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11n_40M(ANT 1)				
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
38	5190	5.499	≦13.79	Pass
46	5230	7.634	≦13.79	Pass

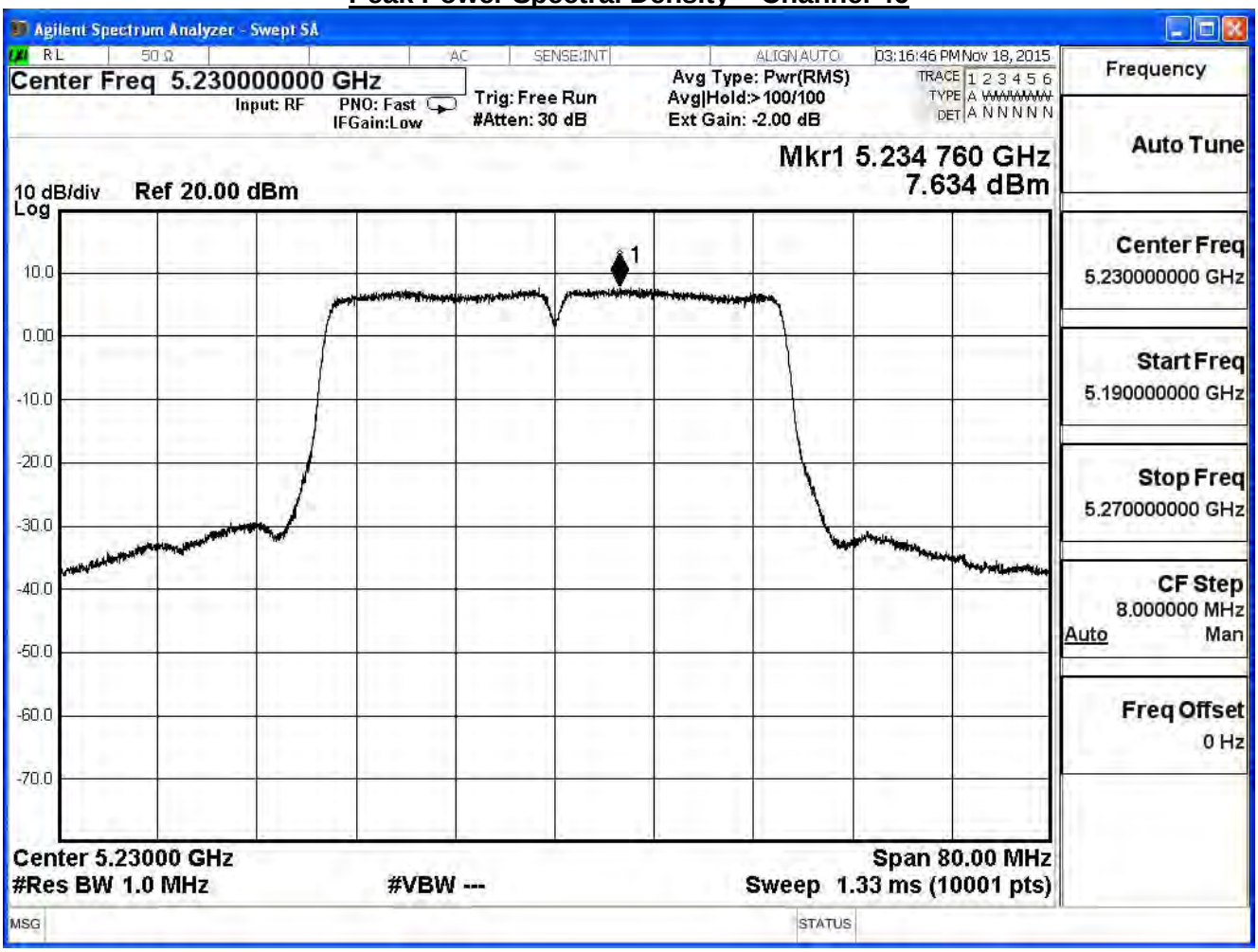
Directional Antenna: 10 Log(N)+Ant Gain =6.02+3.19= 9.21dBi

Power Density Limit:17dBm-(9.21dBi-6dB)= 13.79 dBm/MHz

Peak Power Spectral Density – Channel 38



Peak Power Spectral Density – Channel 46



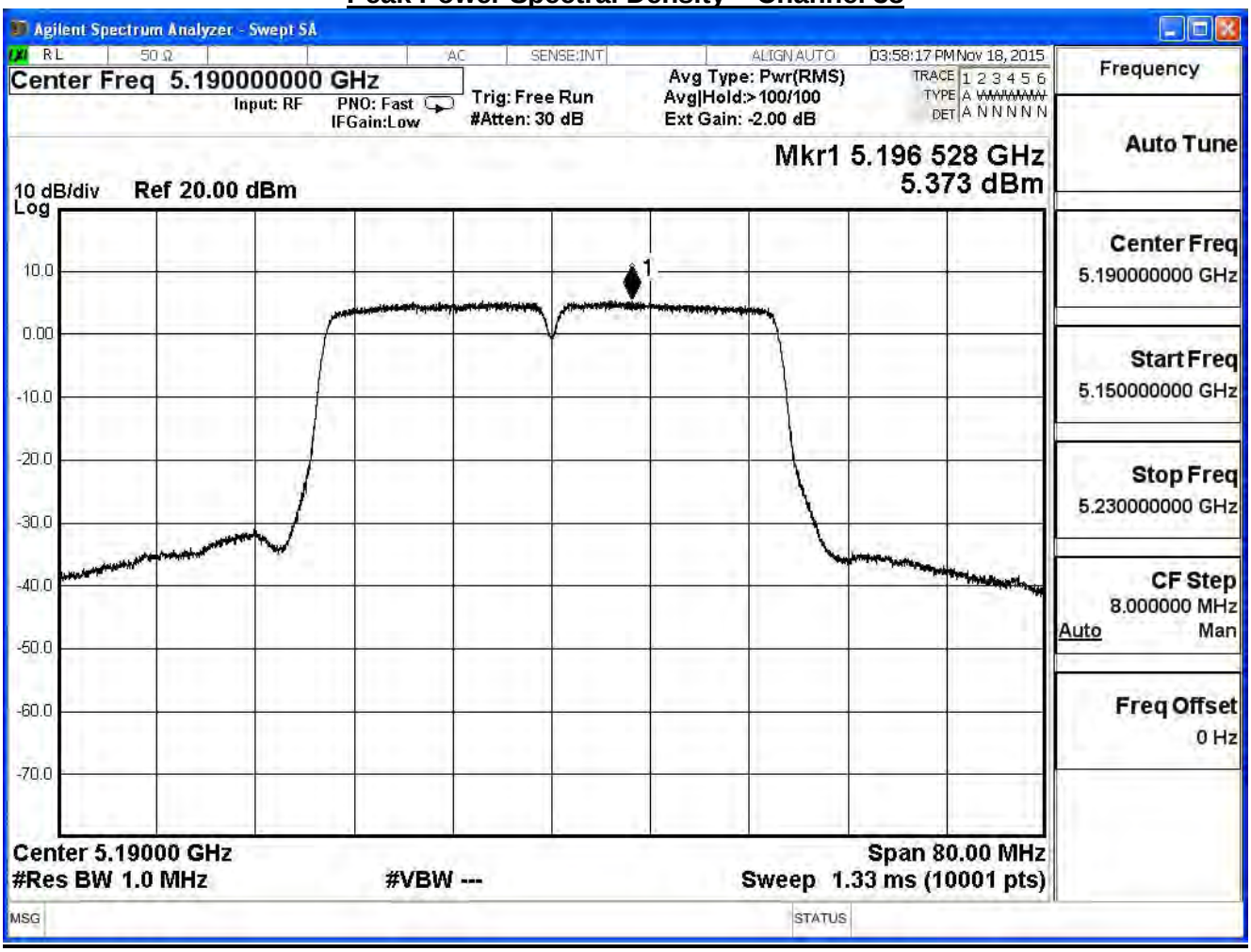
Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11n_40M(ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
38	5190	5.373	≦13.79	Pass
46	5230	7.708	≦13.79	Pass

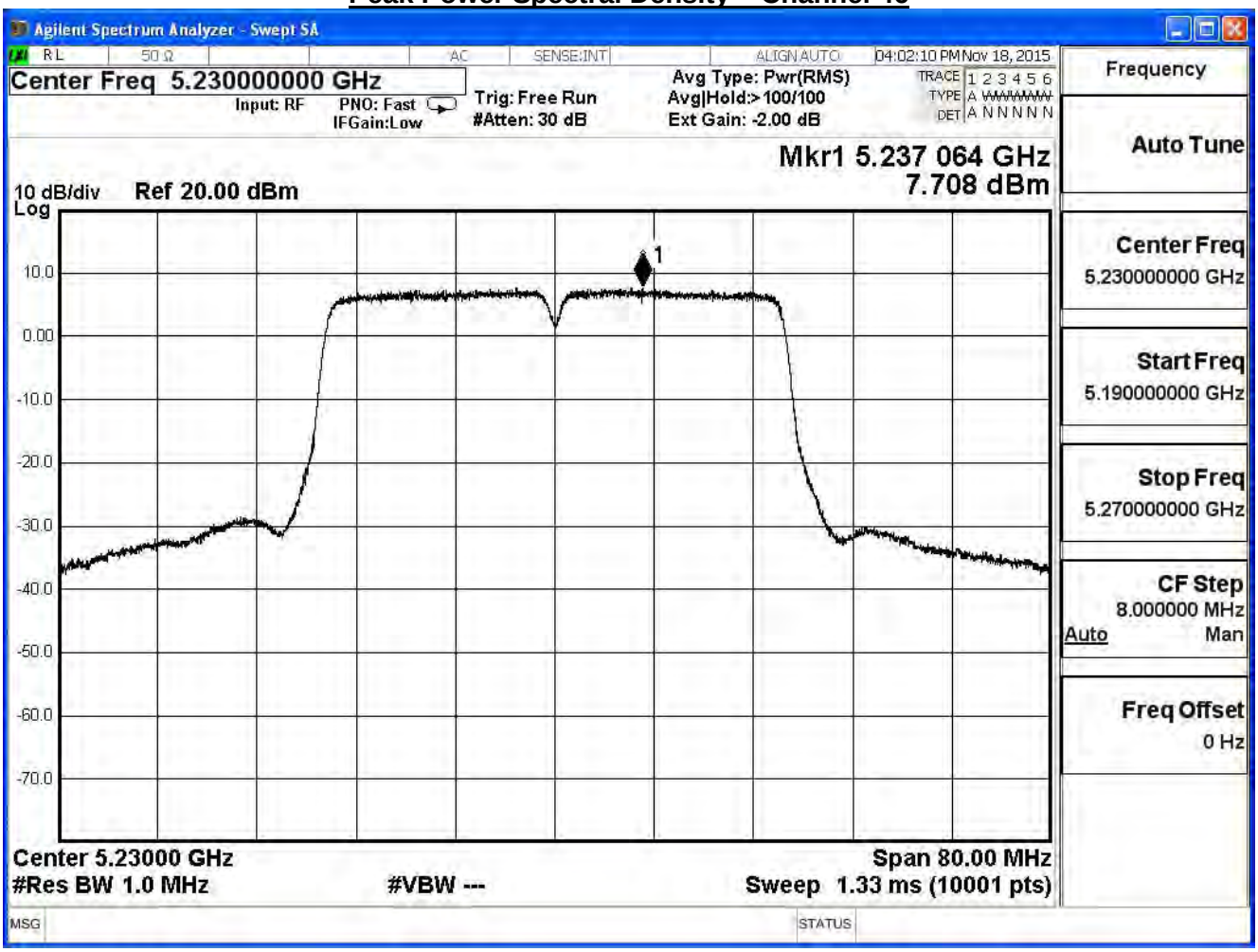
Directional Antenna: 10 Log(N)+Ant Gain =6.02+3.19= 9.21dBi

Power Density Limit:17dBm-(9.21dBi-6dB)= 13.79 dBm/MHz

Peak Power Spectral Density – Channel 38



Peak Power Spectral Density – Channel 46



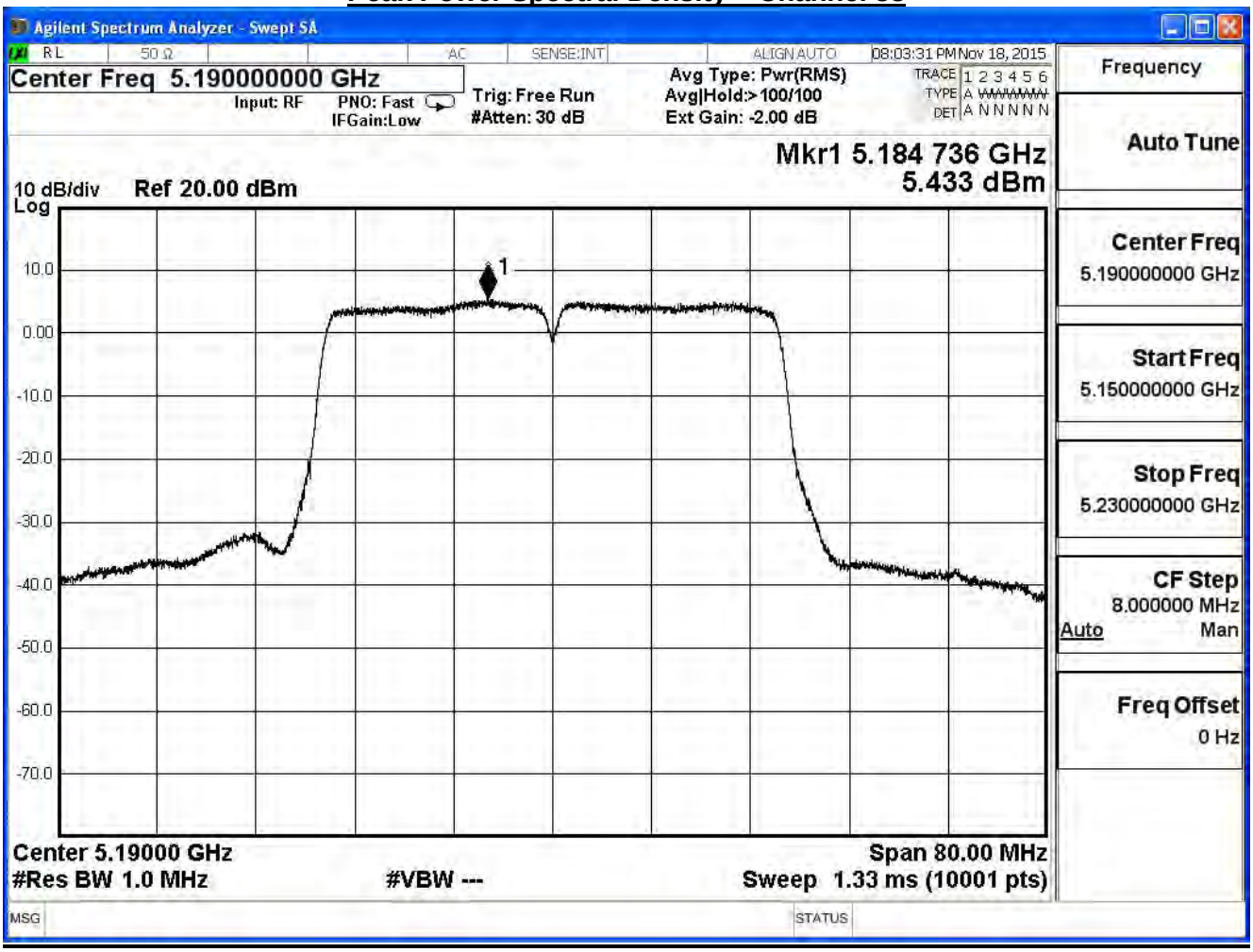
Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11n_40M(ANT 3)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
38	5190	5.433	≦13.79	Pass
46	5230	7.652	≦13.79	Pass

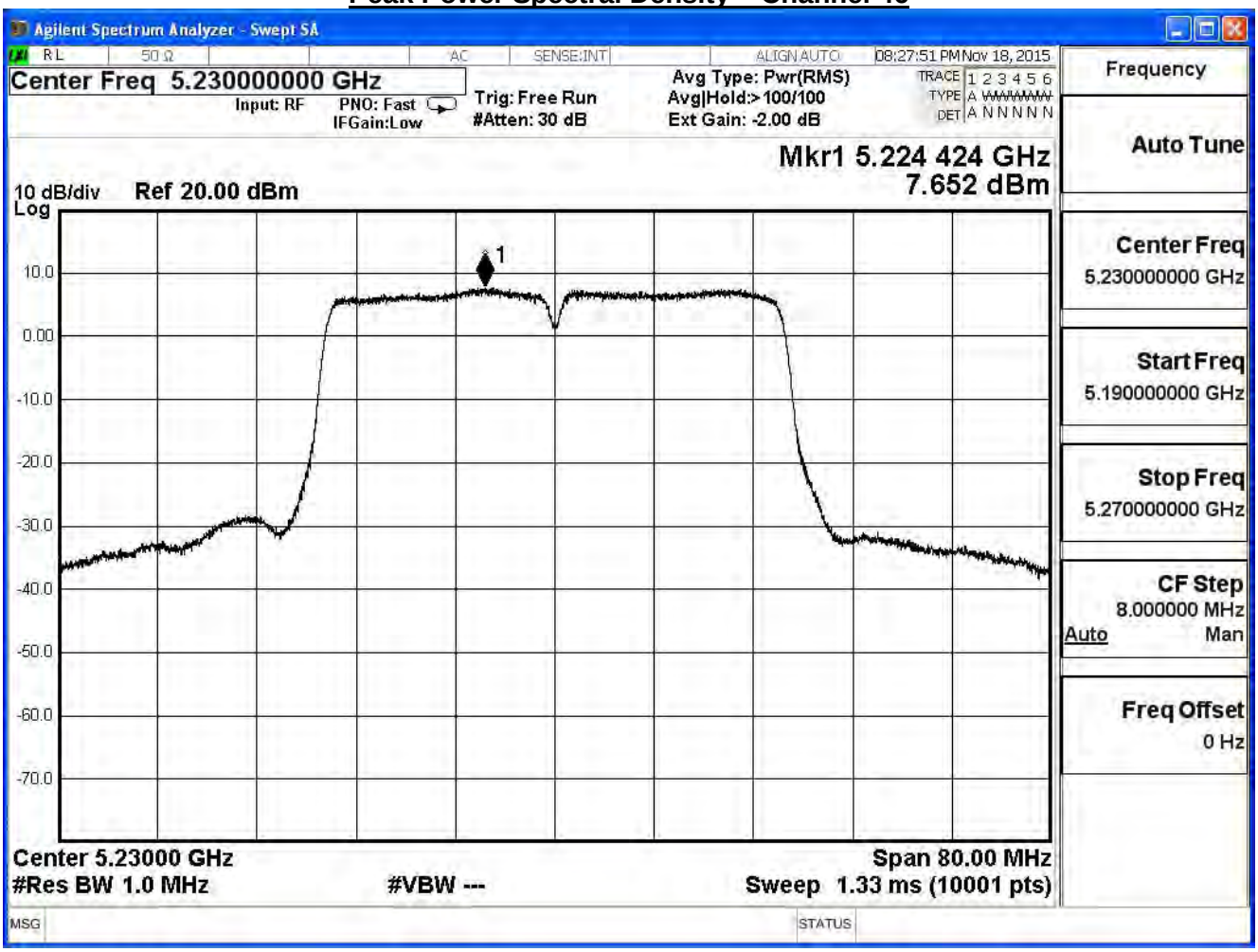
Directional Antenna: 10 Log(N)+Ant Gain =6.02+3.19= 9.21dBi

Power Density Limit:17dBm-(9.21dBi-6dB)= 13.79 dBm/MHz

Peak Power Spectral Density – Channel 38



Peak Power Spectral Density – Channel 46



Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11n_40M(ANT 0+1+2+3)				
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
38	5190	11.411	≦13.79	Pass
46	5230	13.707	≦13.79	Pass

Directional Antenna: 10 Log(N)+Ant Gain =6.02+3.19= 9.21dBi

Power Density Limit:17dBm-(9.21dBi-6dB)= 13.79 dBm/MHz

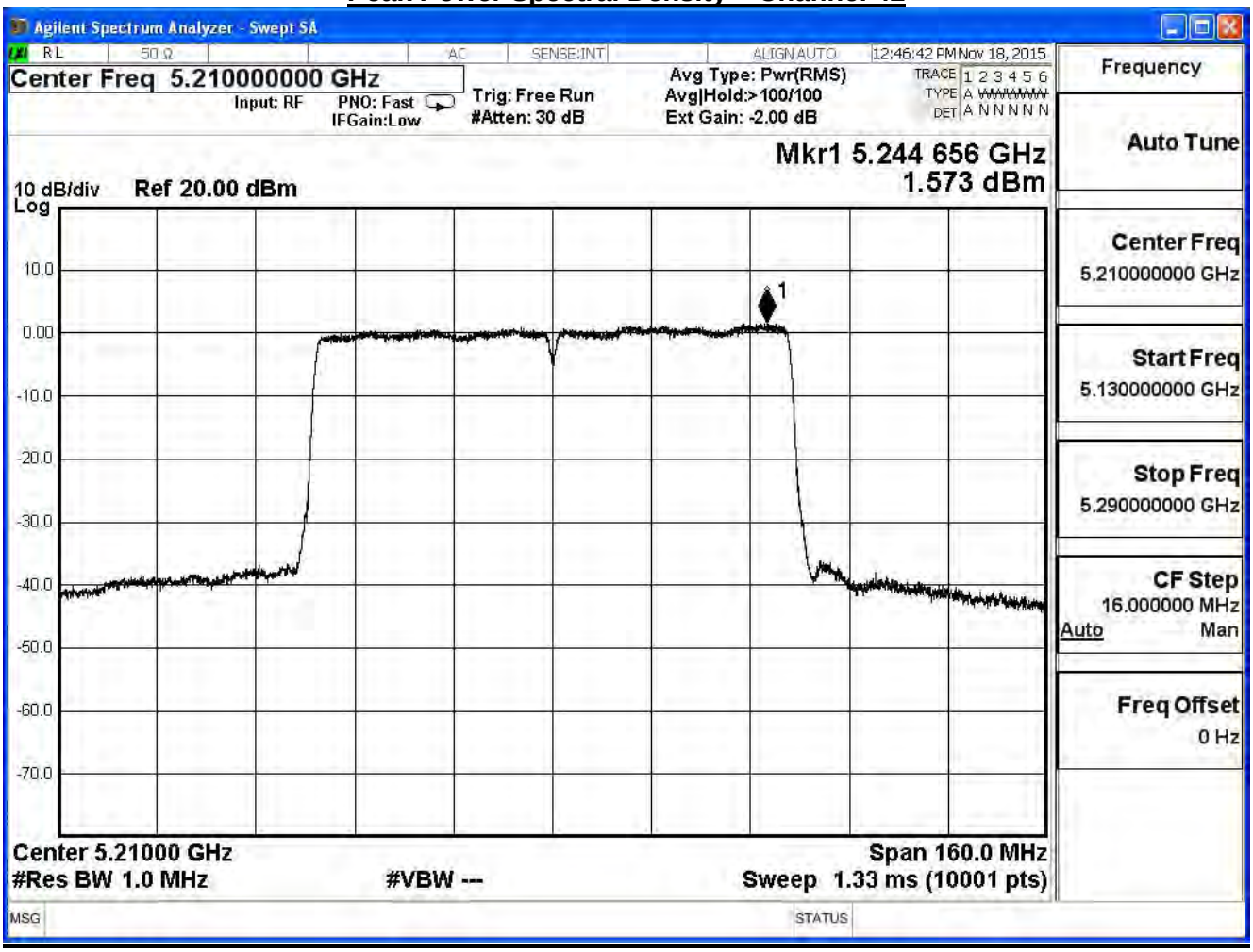
Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11ac_80M(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
42	5210	1.573	≦13.79	Pass

Directional Antenna: 10 Log(N)+Ant Gain =6.02+3.19= 9.21dBi

Power Density Limit:17dBm-(9.21dBi-6dB)= 13.79 dBm/MHz

Peak Power Spectral Density – Channel 42



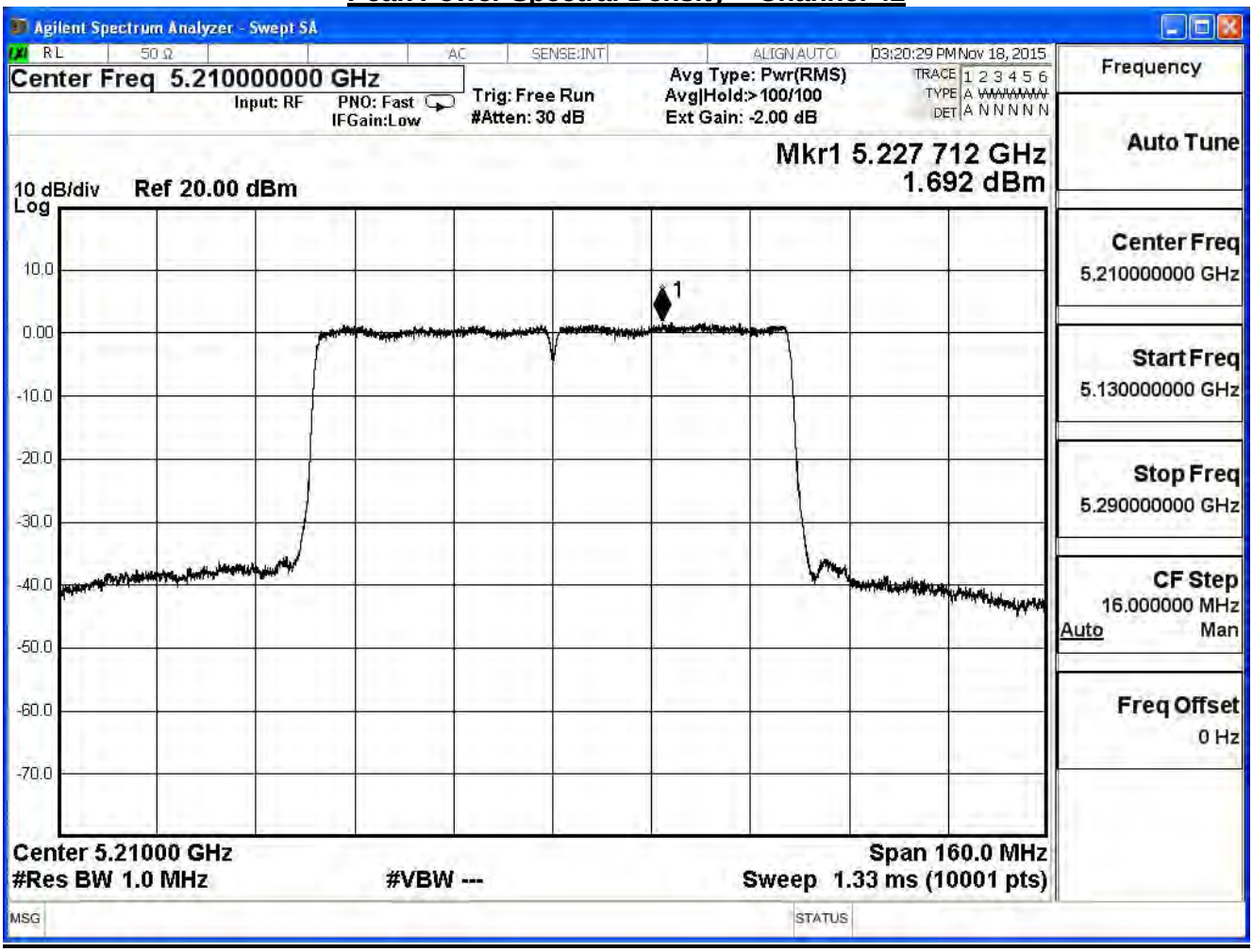
Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11ac_80M(ANT 1)				
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
42	5210	1.692	≦13.79	Pass

Directional Antenna: 10 Log(N)+Ant Gain =6.02+3.19= 9.21dBi

Power Density Limit:17dBm-(9.21dBi-6dB)= 13.79 dBm/MHz

Peak Power Spectral Density – Channel 42



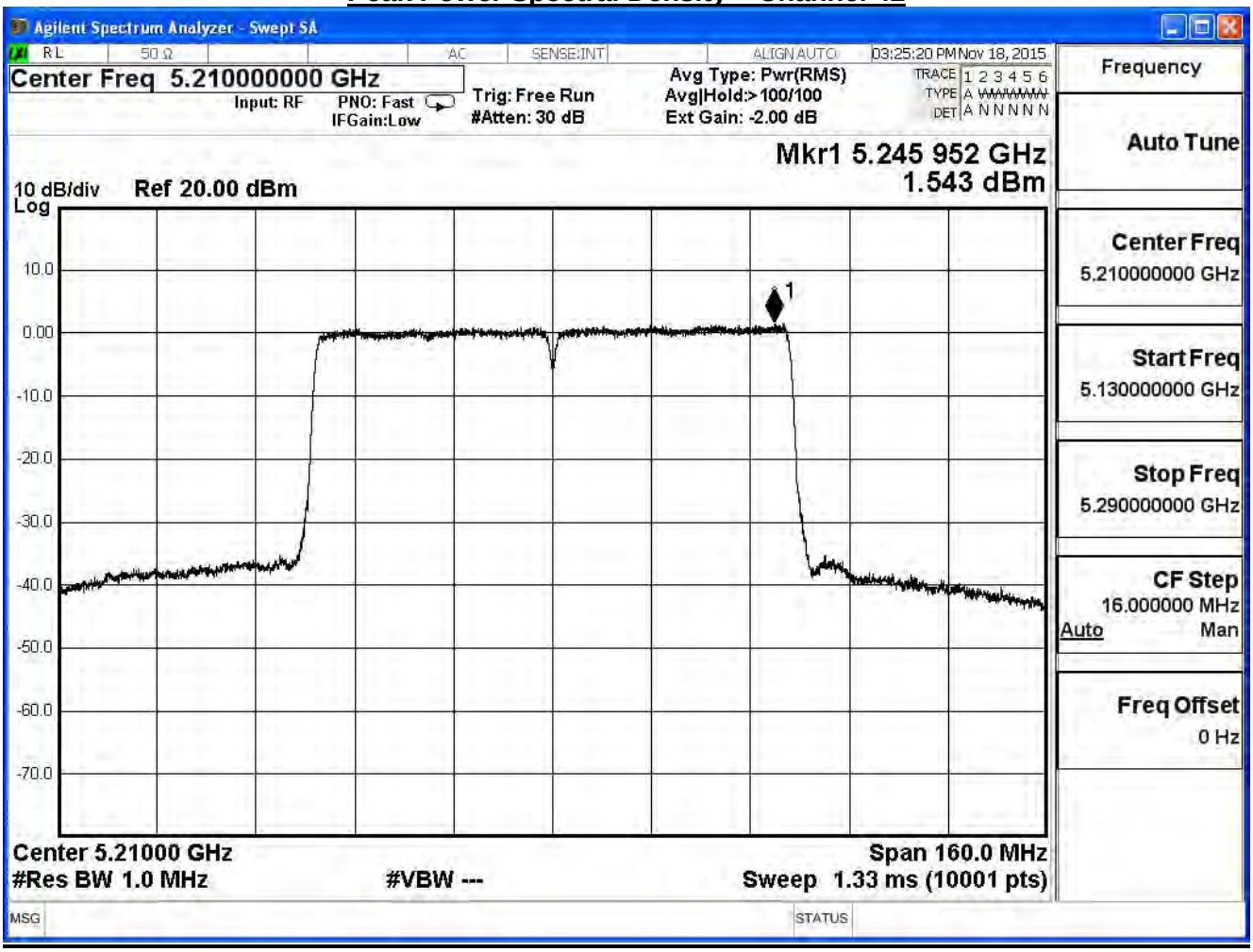
Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11ac_80M(ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
42	5210	1.543	≦13.79	Pass

Directional Antenna: 10 Log(N)+Ant Gain =6.02+3.19= 9.21dBi

Power Density Limit:17dBm-(9.21dBi-6dB)= 13.79 dBm/MHz

Peak Power Spectral Density – Channel 42



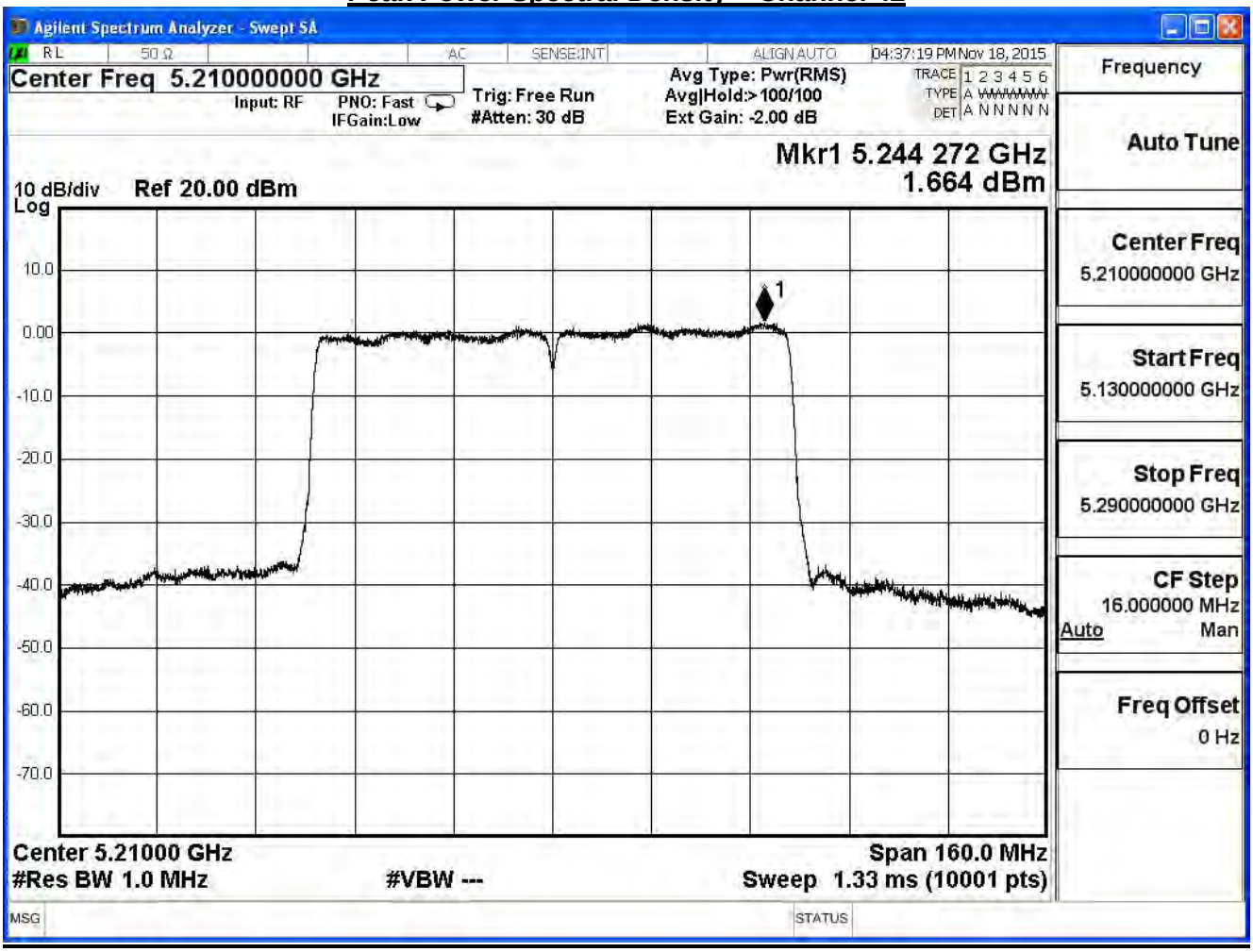
Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11ac_80M(ANT 3)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
42	5210	1.664	≦13.79	Pass

Directional Antenna: 10 Log(N)+Ant Gain =6.02+3.19= 9.21dBi

Power Density Limit:17dBm-(9.21dBi-6dB)= 13.79 dBm/MHz

Peak Power Spectral Density – Channel 42



Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11ac_80M(ANT 0+1+2+3)				
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
42	5210	7.639	≦13.79	Pass

Directional Antenna: 10 Log(N)+Ant Gain =6.02+3.19= 9.21dBi

Power Density Limit:17dBm-(9.21dBi-6dB)= 13.79 dBm/MHz

6. Radiated Emission

6.1. Test Equipment

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

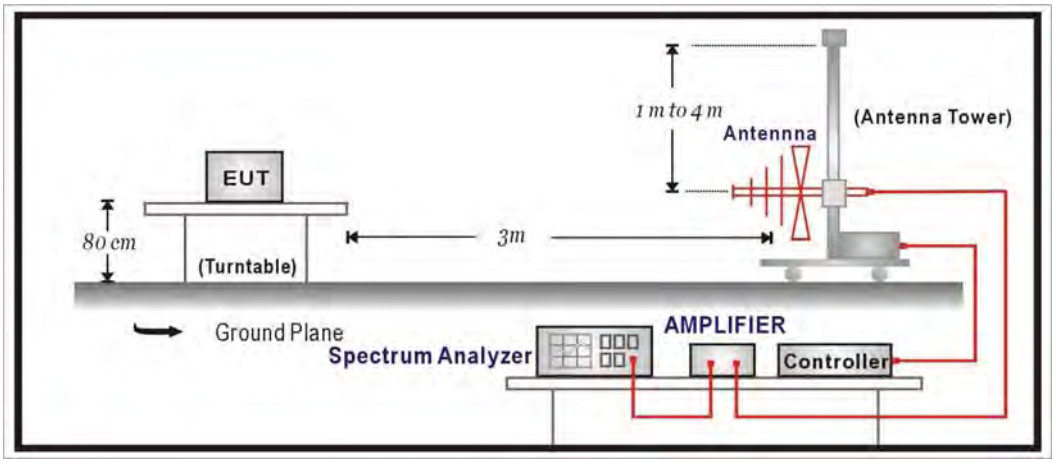
Radiated Emission / CB1

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Bilog Antenna	SCHAFFNER	CBL6112B	2895(CB1)	2016/08/14
Double Ridged Guide Horn Antenna	Schwarzback	BBHA 9120	D743	2016/01/26
Pre-Amplifier	EMCI	EMC0031835	980233	2016/01/18
Pre-Amplifier	QuieTek	AP-025C	CHM-0706049	2016/01/18
Spectrum Analyzer	Agilent	E4440A	MY46187335	2016/01/07
k Type Cable	Huber Suhner	SF 102	25623/2	2016/01/26

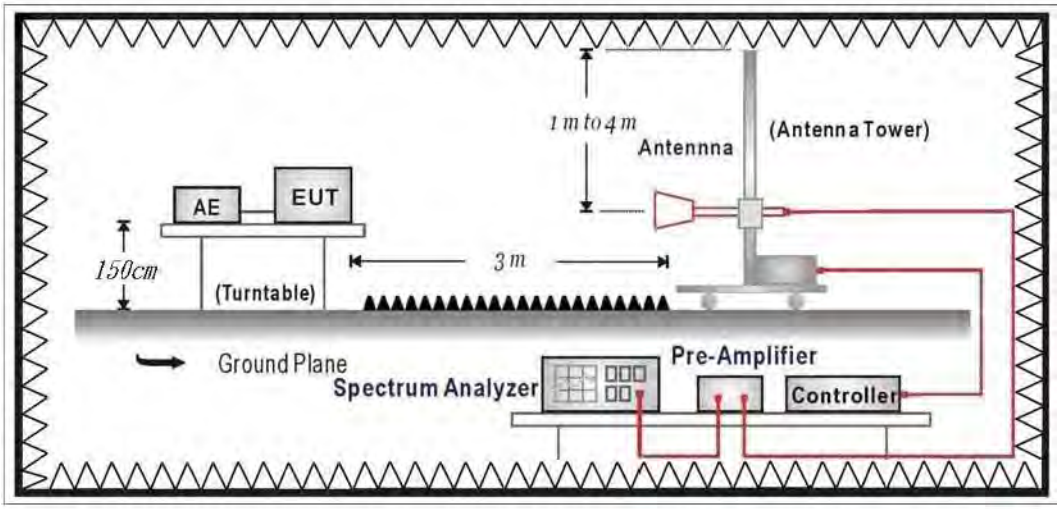
Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

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 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
5725~5850	-27 (Note1)	68.3
	-17 (Note2)	78.3

Remark:

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

6.4. Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 and 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.

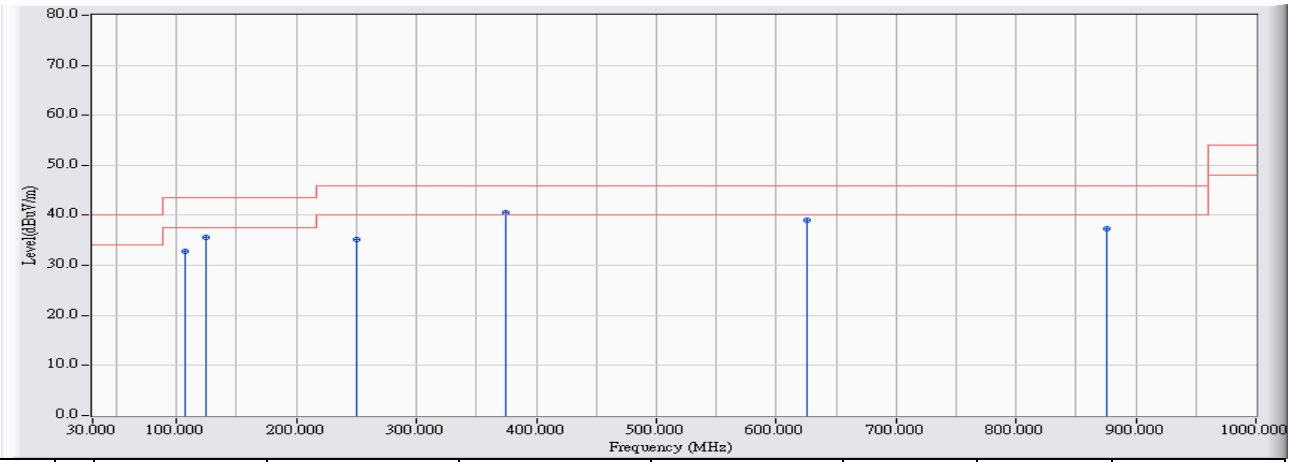
6.5. Uncertainty

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

6.6. Test Result

30MHz-1GHz Spurious

Site : CB1	**Time : 2015/11/19 - 15:02**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11ac(80M)_5210MHz**

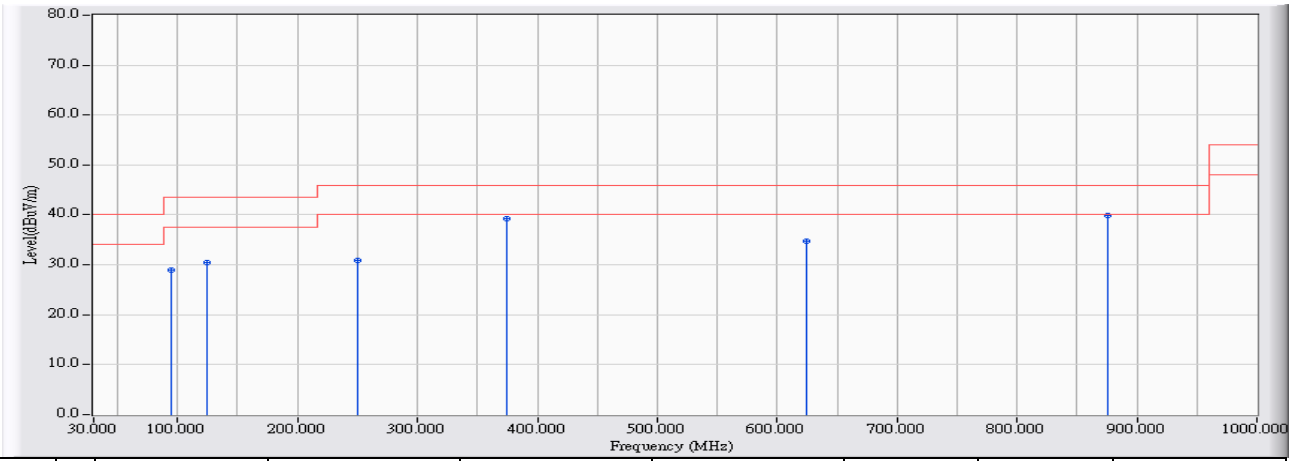


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		106.719	10.171	22.635	32.806	-10.694	43.500	QUASIPEAK
2		125.050	10.644	25.015	35.659	-7.841	43.500	QUASIPEAK
3		249.974	11.873	23.361	35.234	-10.766	46.000	QUASIPEAK
4	*	374.995	14.553	25.877	40.431	-5.569	46.000	QUASIPEAK
5		625.132	17.612	21.405	39.016	-6.984	46.000	QUASIPEAK
6		875.173	19.408	17.995	37.403	-8.597	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 : 2015/11/19 - 15:05**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11ac(80M)_5210MHz**

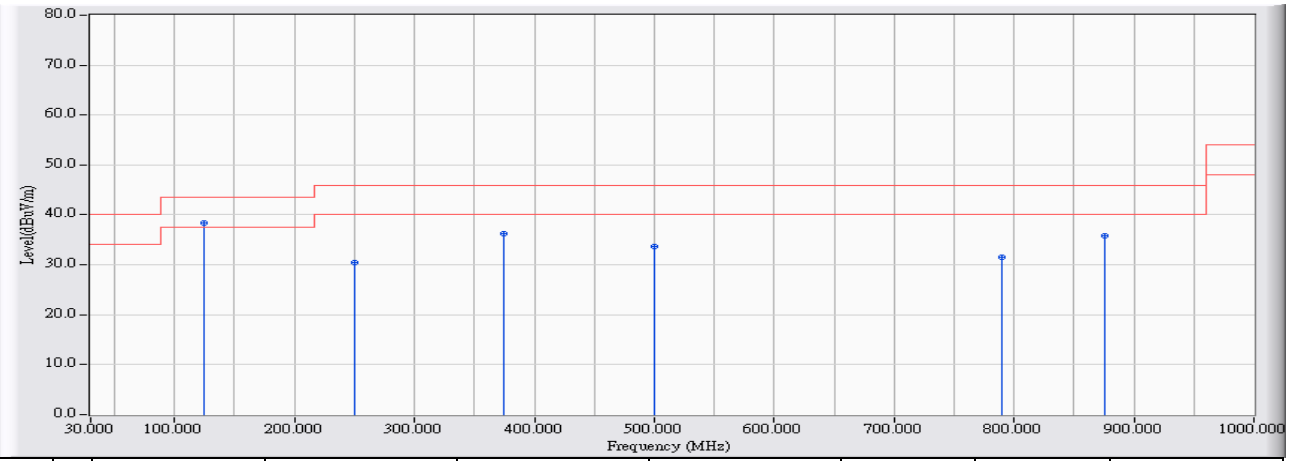


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		94.305	8.507	20.485	28.993	-14.507	43.500	QUASIPEAK
2		125.050	10.644	19.742	30.386	-13.114	43.500	QUASIPEAK
3		249.974	11.873	18.957	30.830	-15.170	46.000	QUASIPEAK
4		374.995	14.553	24.681	39.235	-6.765	46.000	QUASIPEAK
5		625.035	17.611	17.154	34.765	-11.235	46.000	QUASIPEAK
6	*	875.173	19.408	20.432	39.840	-6.160	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 : 2015/11/18 - 19:45**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 2: Transmit_Adapter 2 802.11ac(80M)_5210MHz**

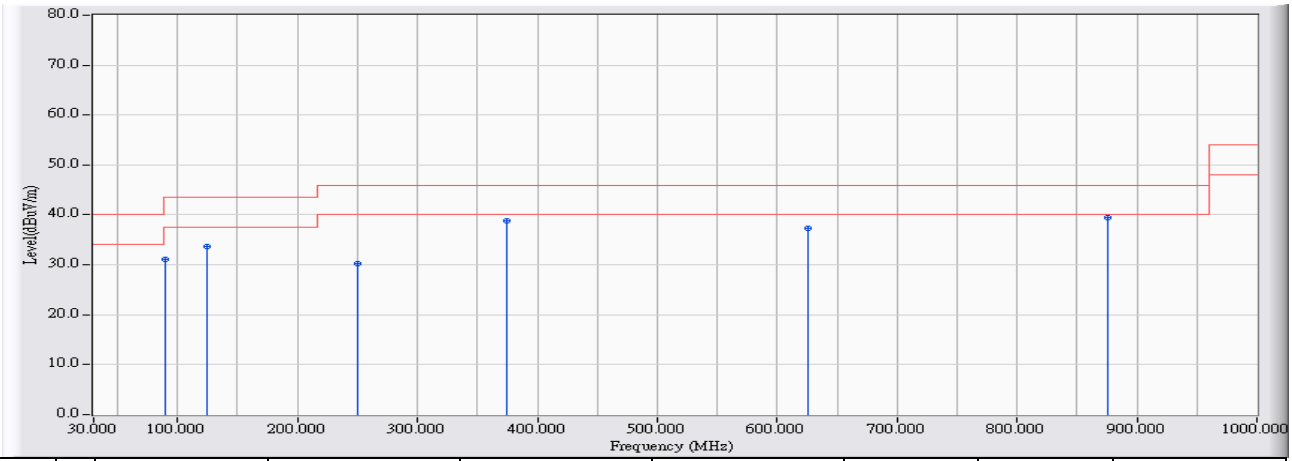


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	124.954	10.648	27.704	38.352	-5.148	43.500	QUASIPEAK
2		249.974	11.873	18.630	30.503	-15.497	46.000	QUASIPEAK
3		374.995	14.553	21.721	36.275	-9.725	46.000	QUASIPEAK
4		500.015	17.179	16.543	33.722	-12.278	46.000	QUASIPEAK
5		789.623	19.087	12.522	31.609	-14.391	46.000	QUASIPEAK
6		875.173	19.408	16.366	35.774	-10.226	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 : 2015/11/18 - 19:48**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 2: Transmit_Adapter 2 802.11ac(80M)_5210MHz**

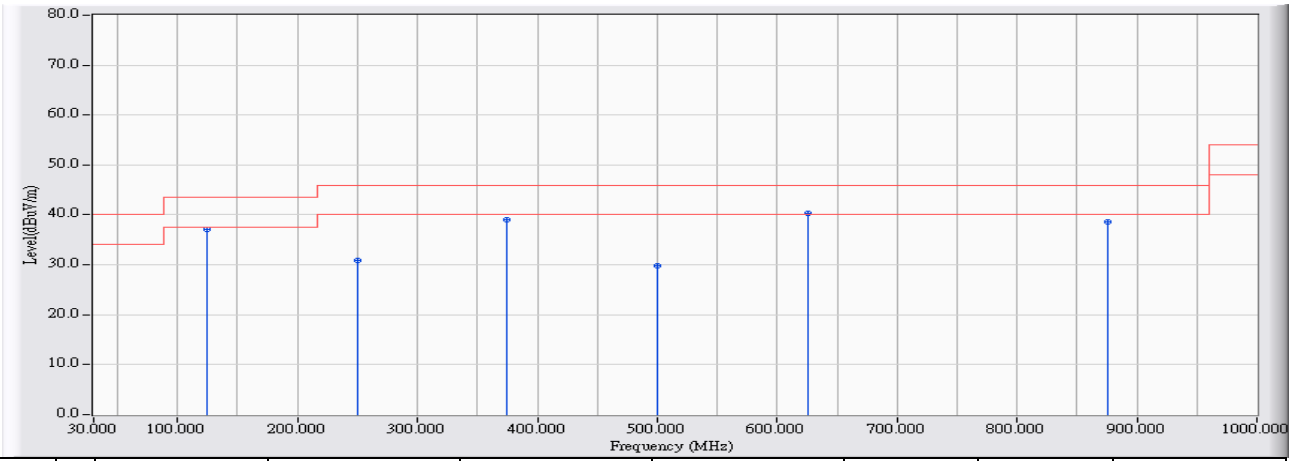


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		90.231	7.553	23.640	31.193	-12.307	43.500	QUASIPEAK
2		125.050	10.644	23.096	33.740	-9.760	43.500	QUASIPEAK
3		249.974	11.873	18.281	30.154	-15.846	46.000	QUASIPEAK
4		374.995	14.553	24.241	38.795	-7.205	46.000	QUASIPEAK
5		625.132	17.612	19.702	37.313	-8.687	46.000	QUASIPEAK
6	*	875.173	19.408	20.000	39.408	-6.592	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 : 2015/11/18 - 21:19**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 3: Transmit_Adapter 3 802.11ac(80M)_5210MHz**

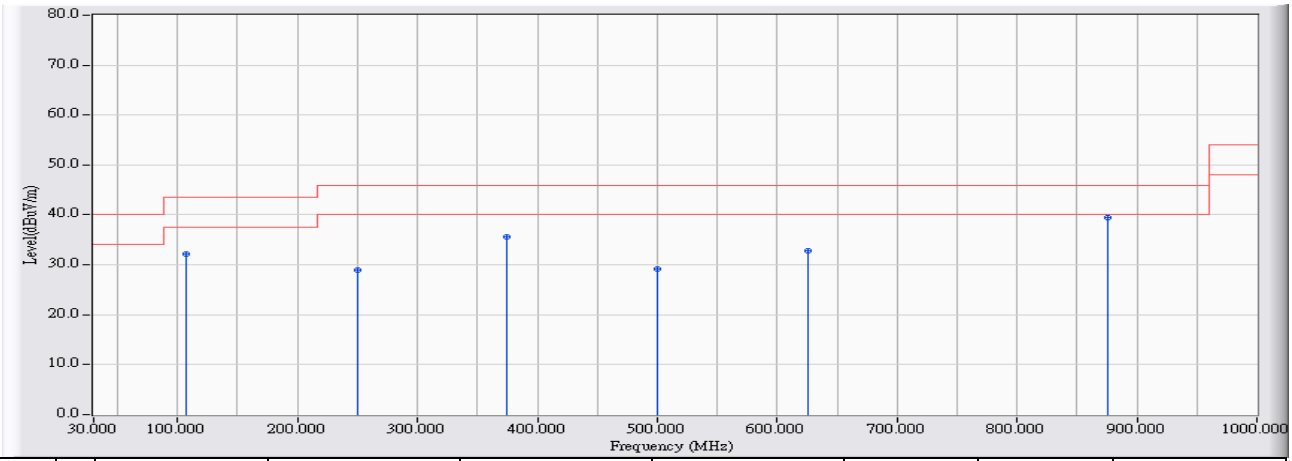


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		125.050	10.644	26.436	37.080	-6.420	43.500	QUASIPEAK
2		249.974	11.873	19.106	30.979	-15.021	46.000	QUASIPEAK
3		374.995	14.553	24.566	39.120	-6.880	46.000	QUASIPEAK
4		500.015	17.179	12.676	29.855	-16.145	46.000	QUASIPEAK
5	*	625.132	17.612	22.625	40.236	-5.764	46.000	QUASIPEAK
6		875.173	19.408	19.201	38.609	-7.391	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 : 2015/11/18 - 21:22**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 3: Transmit_Adapter 3 802.11ac(80M)_5210MHz**

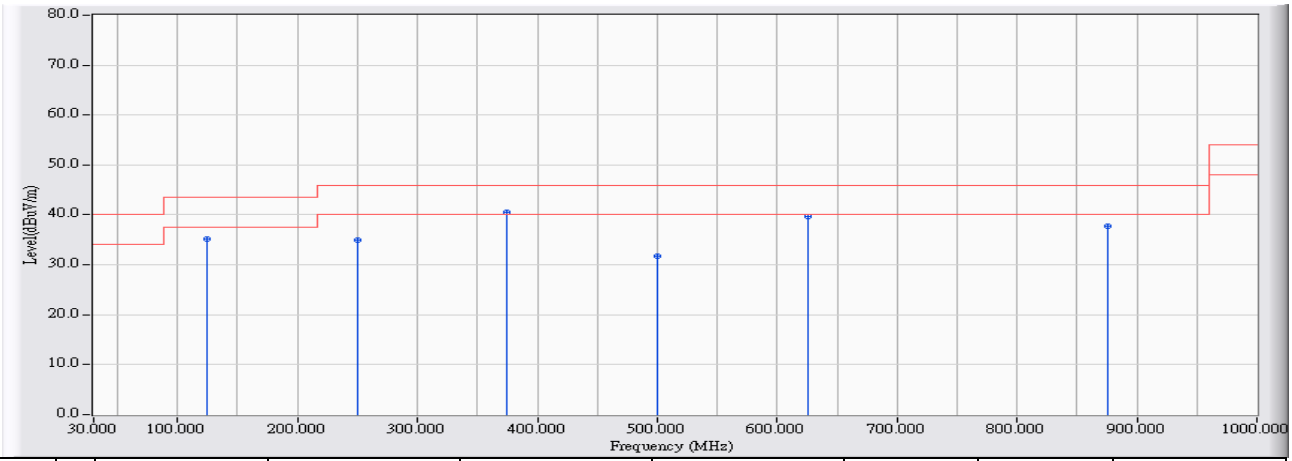


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		106.719	10.171	22.054	32.225	-11.275	43.500	QUASIPEAK
2		249.974	11.873	17.151	29.024	-16.976	46.000	QUASIPEAK
3		374.995	14.553	21.093	35.647	-10.353	46.000	QUASIPEAK
4		500.015	17.179	11.997	29.176	-16.824	46.000	QUASIPEAK
5		625.132	17.612	15.309	32.920	-13.080	46.000	QUASIPEAK
6	*	875.173	19.408	19.959	39.367	-6.633	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 : 2015/11/19 - 16:31**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 4: Transmit_Adapter 4 802.11ac(80M)_5210MHz**

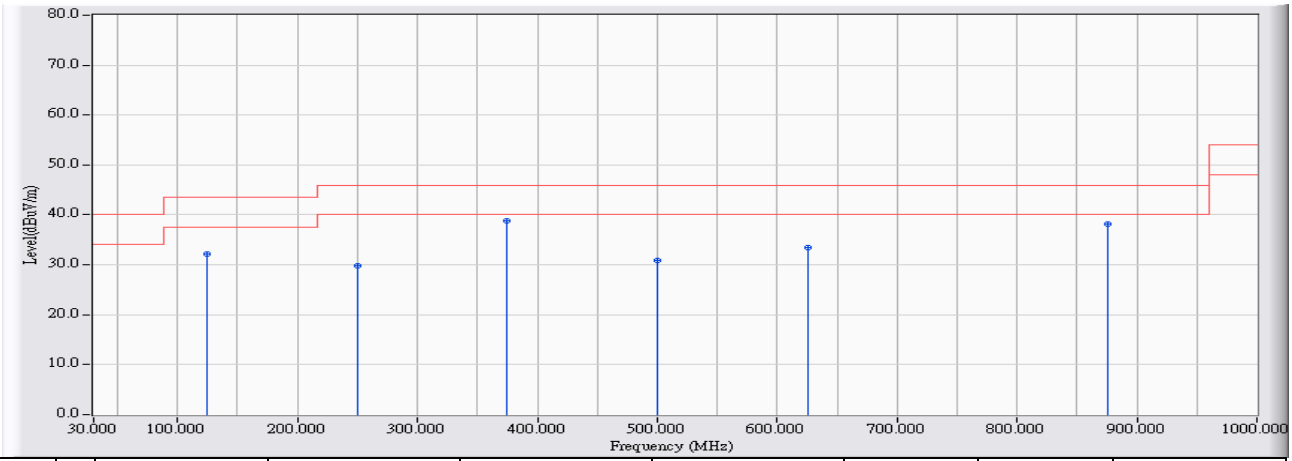


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		125.050	10.644	24.497	35.141	-8.359	43.500	QUASIPEAK
2		249.974	11.873	23.094	34.967	-11.033	46.000	QUASIPEAK
3	*	374.995	14.553	25.996	40.550	-5.450	46.000	QUASIPEAK
4		500.015	17.179	14.470	31.649	-14.351	46.000	QUASIPEAK
5		625.132	17.612	22.014	39.625	-6.375	46.000	QUASIPEAK
6		875.173	19.408	18.272	37.680	-8.320	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 : 2015/11/19 - 16:33**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 4: Transmit_Adapter 4 802.11ac(80M)_5210MHz**



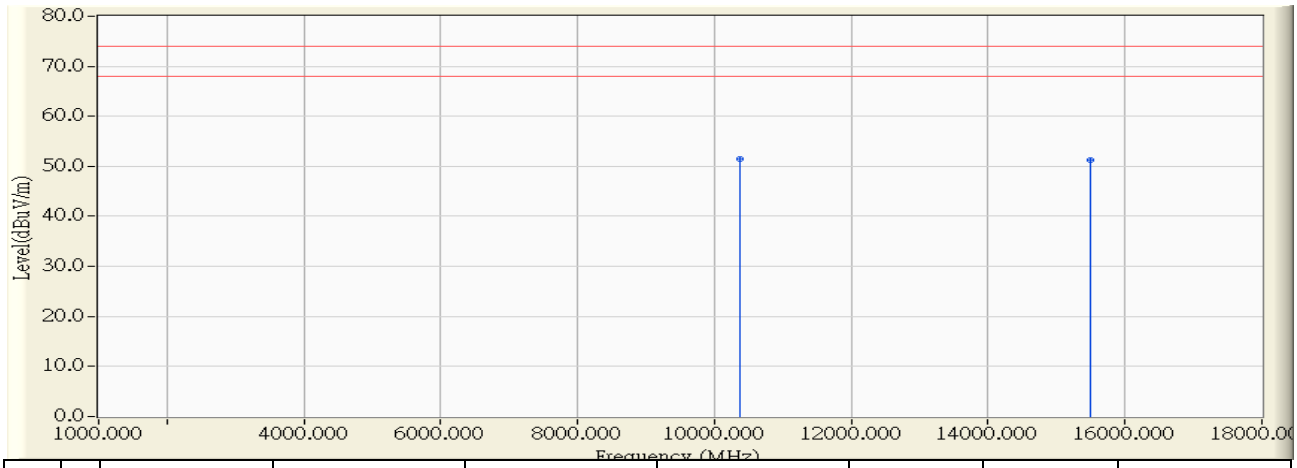
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		125.050	10.644	21.511	32.155	-11.345	43.500	QUASIPEAK
2		249.974	11.873	17.925	29.798	-16.202	46.000	QUASIPEAK
3	*	374.995	14.553	24.355	38.909	-7.091	46.000	QUASIPEAK
4		500.015	17.179	13.656	30.835	-15.165	46.000	QUASIPEAK
5		625.132	17.612	15.947	33.558	-12.442	46.000	QUASIPEAK
6		875.173	19.408	18.850	38.258	-7.742	46.000	QUASIPEAK

Note:

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

Harmonic & Spurious:

Site : CB1	**Time : 2015/11/15 - 16:25**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11a_5180MHz**

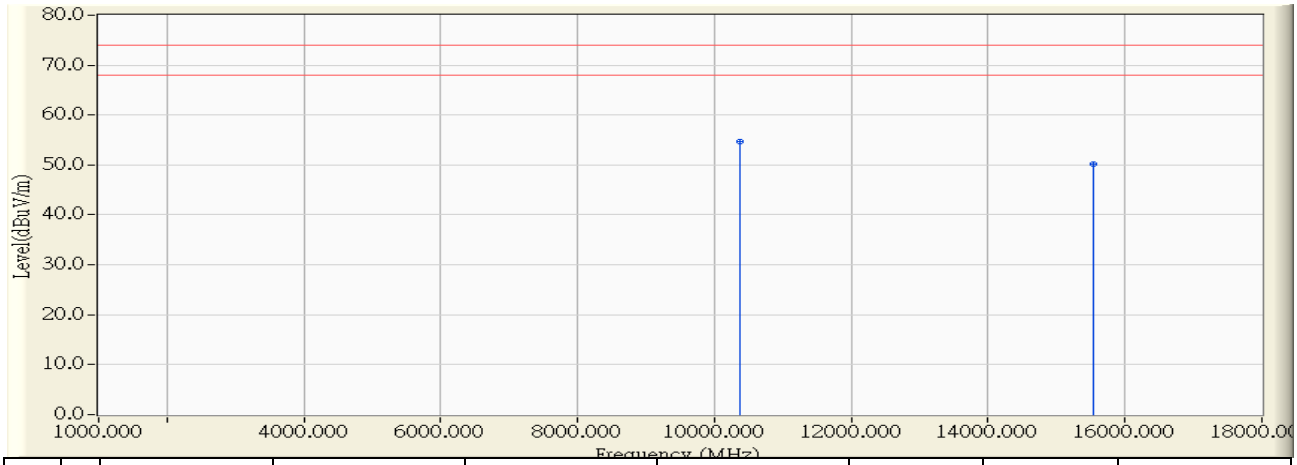


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10362.250	10.134	41.260	51.393	-22.607	74.000	PEAK
2		15496.100	11.140	40.200	51.339	-22.661	74.000	PEAK

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 : 2015/11/15 - 16:35**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11a_5180MHz**

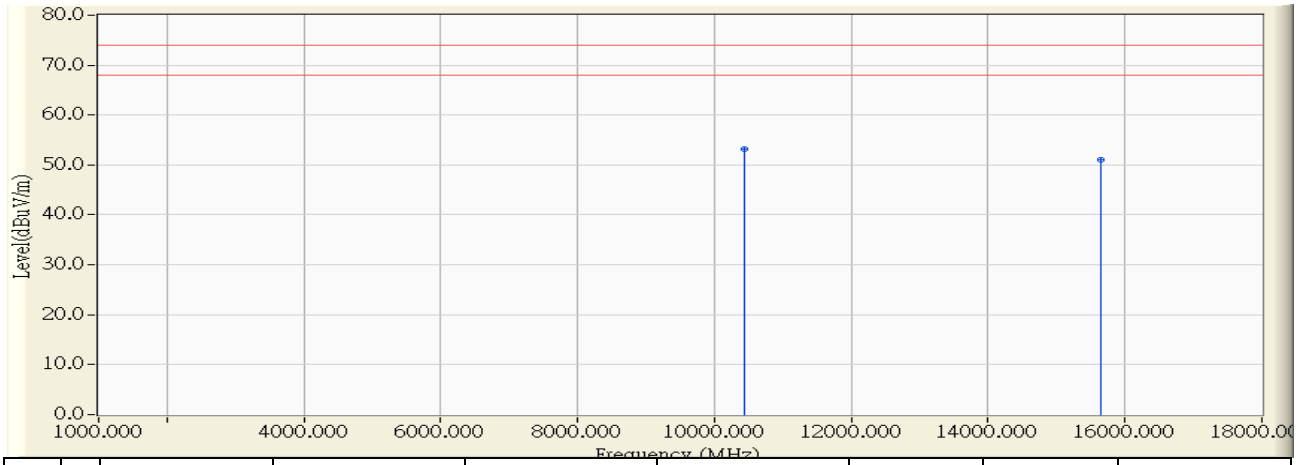


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10361.000	9.513	45.140	54.653	-19.347	74.000	PEAK
2		15544.750	11.085	39.160	50.245	-23.755	74.000	PEAK

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 : 2015/11/15 - 18:10**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11a_5220MHz**

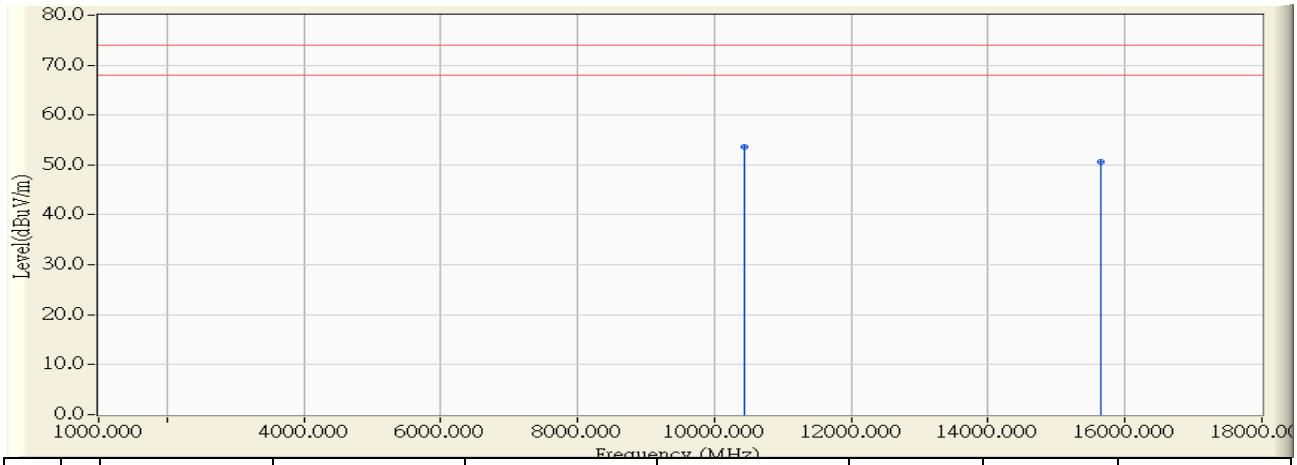


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10441.600	10.055	43.070	53.126	-20.874	74.000	PEAK
2		15650.350	10.967	40.020	50.987	-23.013	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 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 : 2015/11/15 - 18:16**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11a_5220MHz**

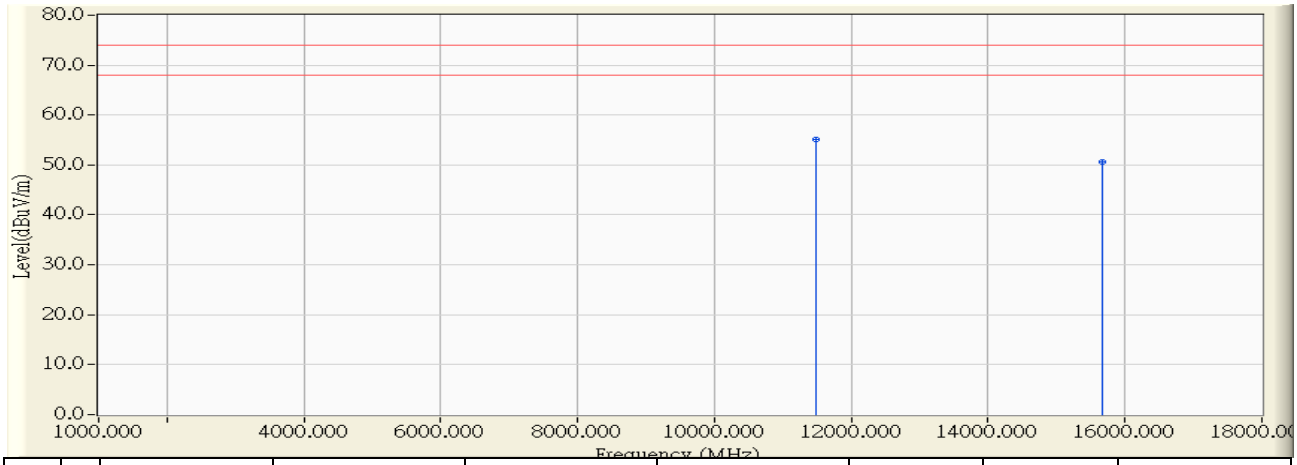


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10442.500	9.514	44.080	53.594	-20.406	74.000	PEAK
2		15636.000	10.984	39.530	50.513	-23.487	74.000	PEAK

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 : 2015/11/15 - 18:22**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11a_5240MHz**

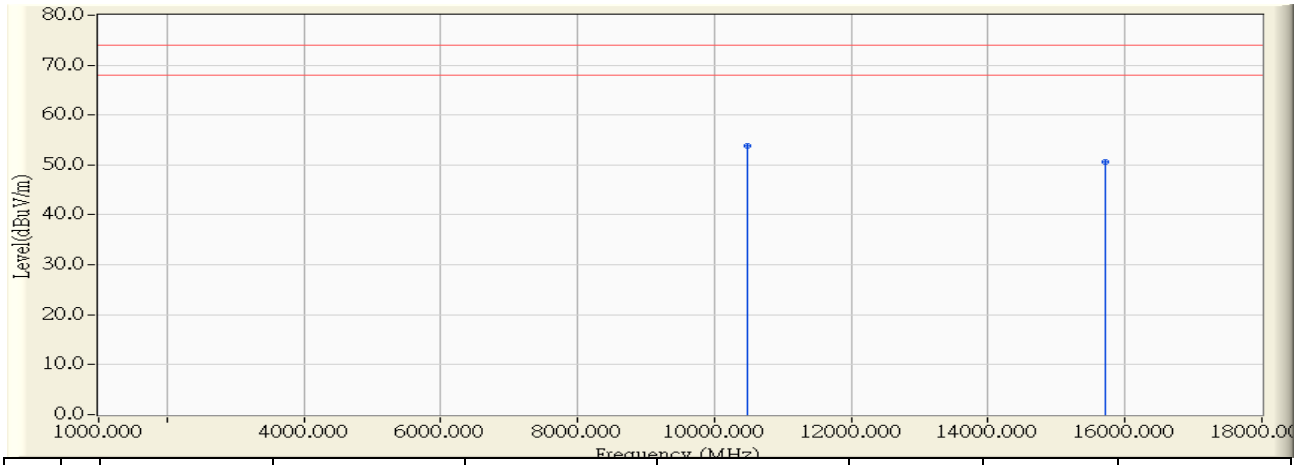


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11478.500	12.283	42.940	55.223	-18.777	74.000	PEAK
2		15677.650	10.937	39.760	50.697	-23.303	74.000	PEAK

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 : 2015/11/15 - 18:25**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11a_5240MHz**

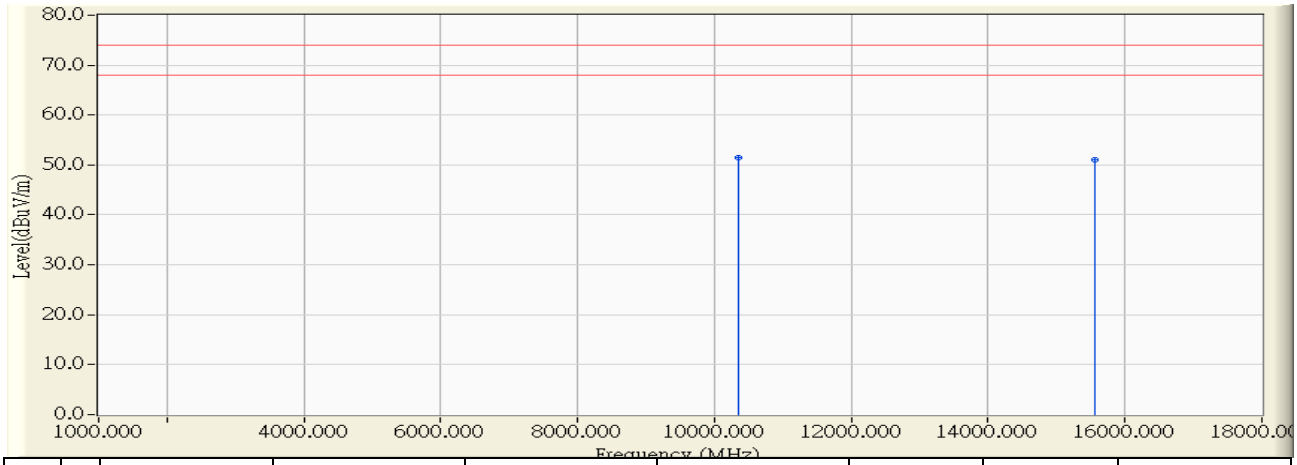


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10478.050	9.524	44.360	53.884	-20.116	74.000	PEAK
2		15721.200	10.888	39.830	50.718	-23.282	74.000	PEAK

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 : 2015/11/15 - 18:29**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11n(20M)_5180MHz**

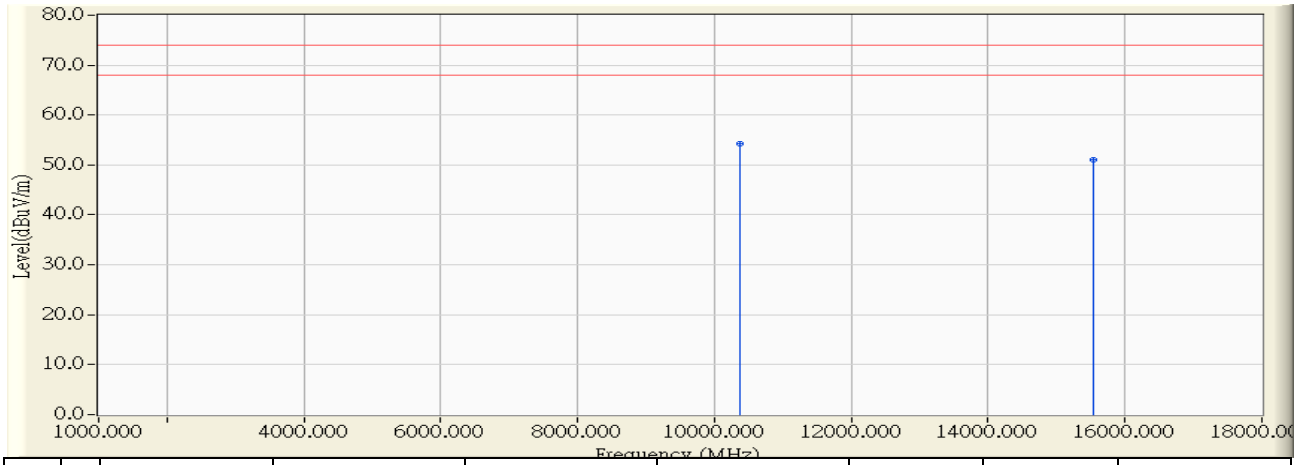


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10360.050	10.136	41.400	51.536	-22.464	74.000	PEAK
2		15552.500	11.076	39.910	50.986	-23.014	74.000	PEAK

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 : 2015/11/15 - 18:34**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11n(20M)_5180MHz**

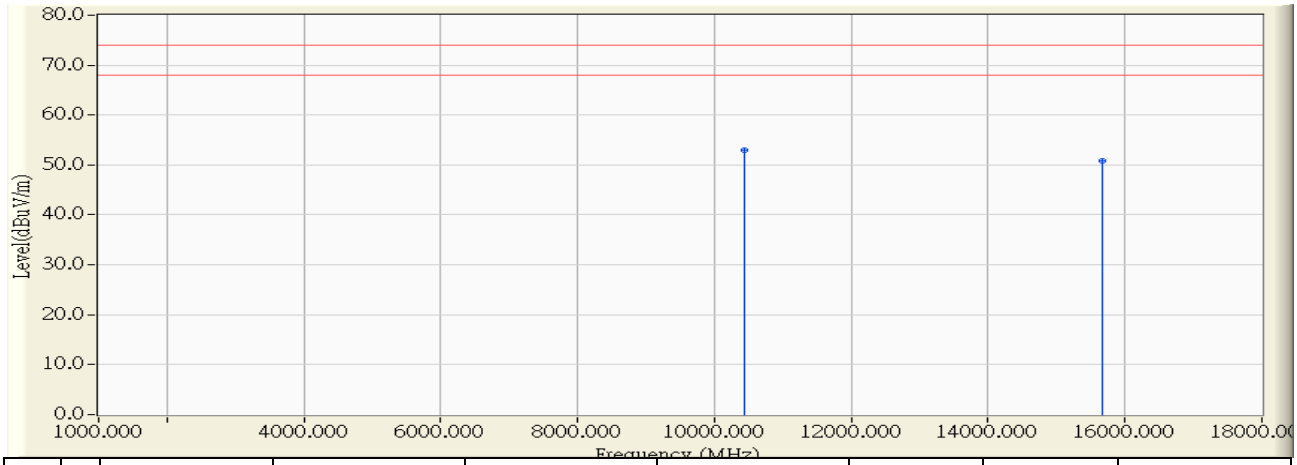


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10362.000	9.513	44.740	54.253	-19.747	74.000	PEAK
2		15547.350	11.082	39.980	51.062	-22.938	74.000	PEAK

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 : 2015/11/15 - 18:40**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11n(20M)_5220MHz**

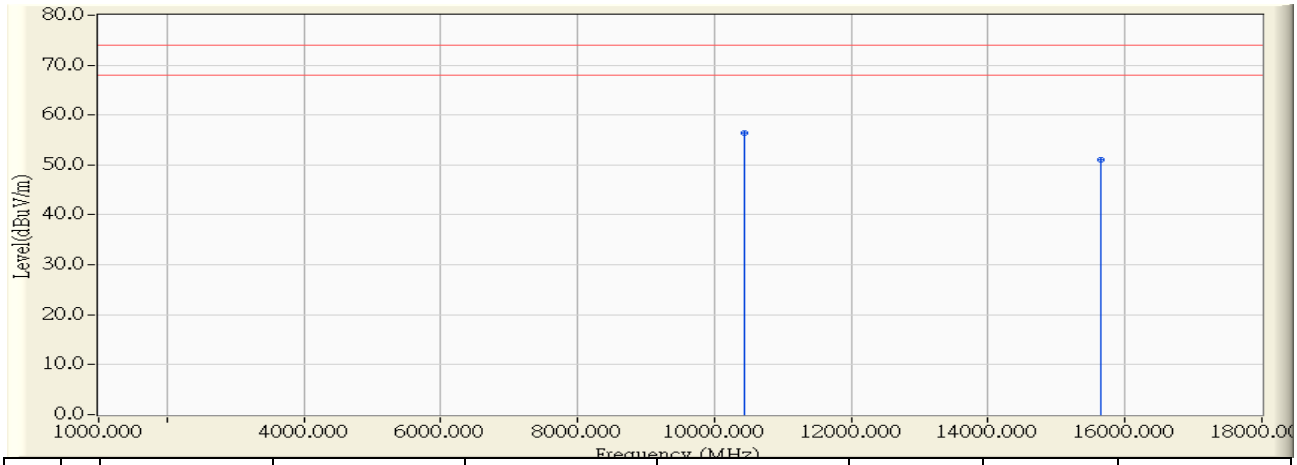


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10441.600	10.055	42.910	52.966	-21.034	74.000	PEAK
2		15666.250	10.949	39.890	50.839	-23.161	74.000	PEAK

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 : 2015/11/15 - 18:42**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11n(20M)_5220MHz**

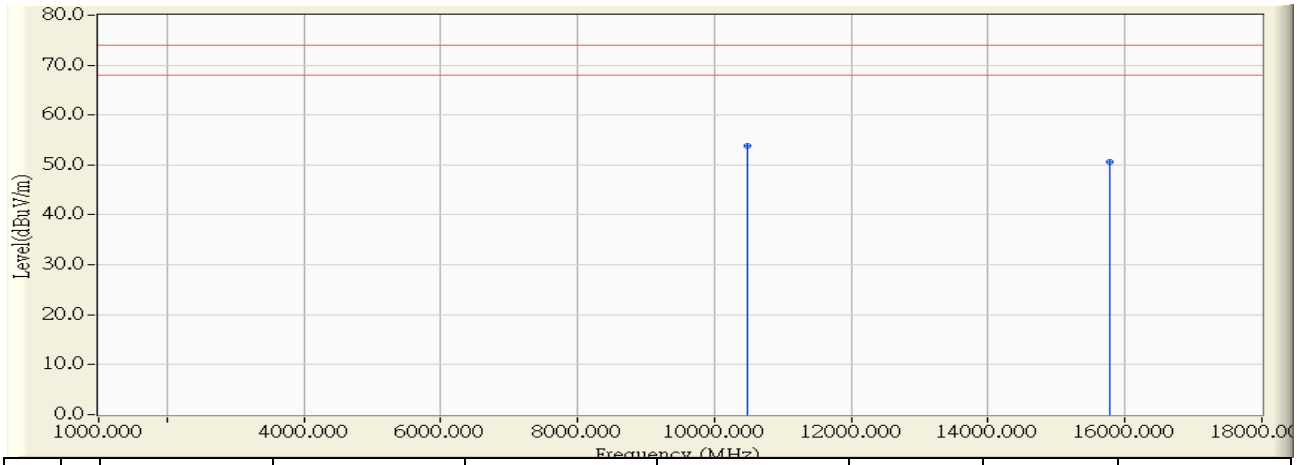


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10441.200	9.514	46.980	56.494	-17.506	74.000	PEAK
2		15646.600	10.971	40.100	51.071	-22.929	74.000	PEAK

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 : 2015/11/15 - 18:51**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11n(20M)_5240MHz**

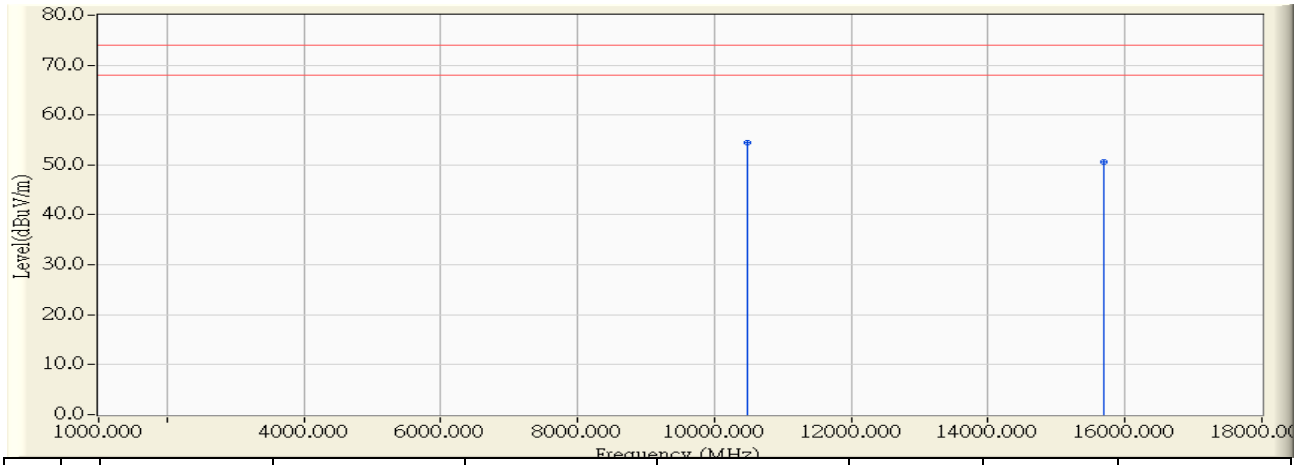


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10477.100	10.029	43.820	53.849	-20.151	74.000	PEAK
2		15766.950	10.838	39.820	50.657	-23.343	74.000	PEAK

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 : 2015/11/15 - 18:55**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11n(20M)_5240MHz**

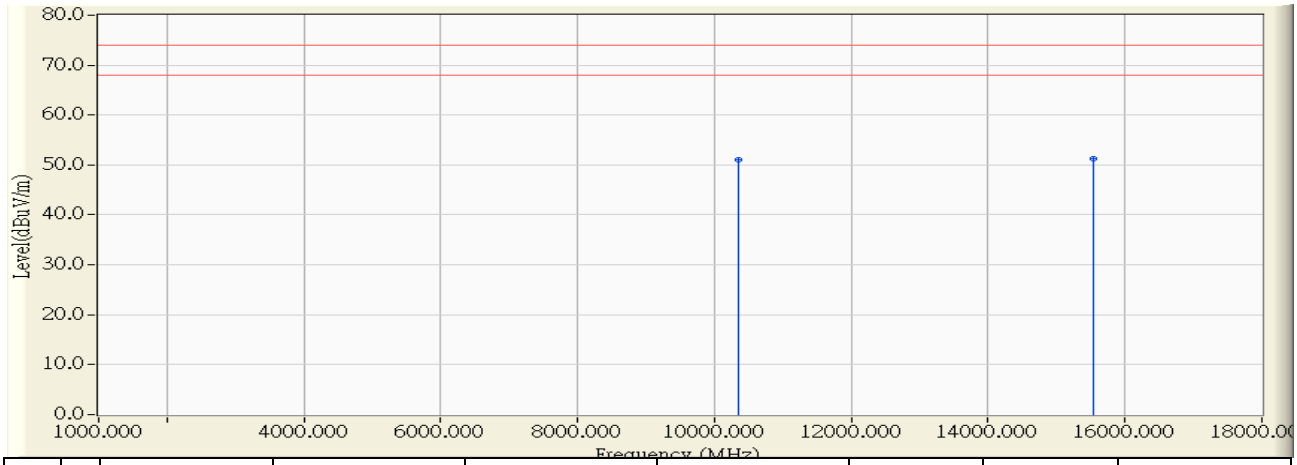


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10477.700	9.524	44.970	54.494	-19.506	74.000	PEAK
2		15682.850	10.931	39.590	50.521	-23.479	74.000	PEAK

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 : 2015/11/15 - 19:23**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11n(40M)_5190MHz**

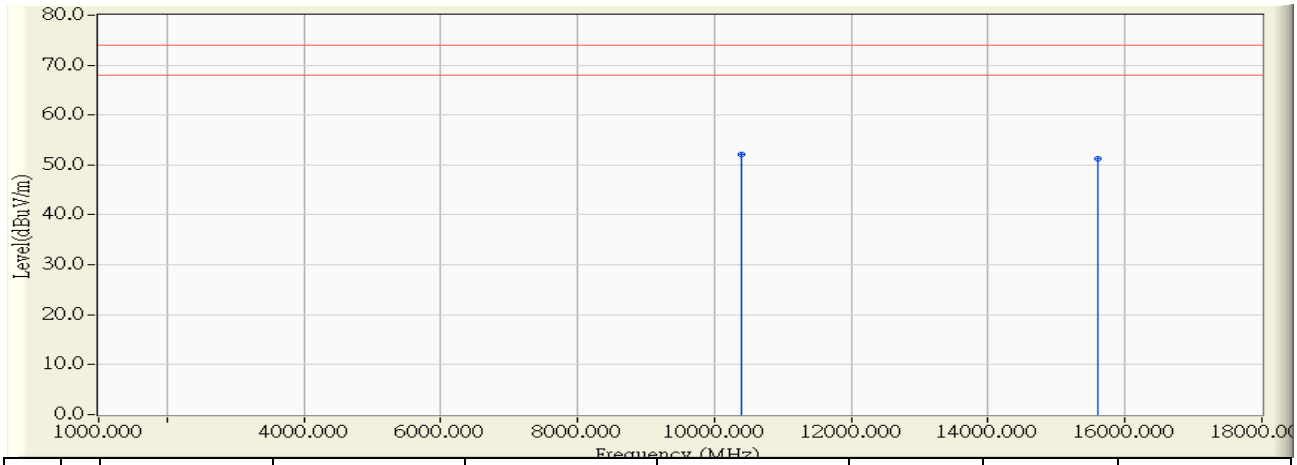


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		10359.750	10.136	40.900	51.036	-22.964	74.000	PEAK
2	*	15545.200	11.085	40.120	51.204	-22.796	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 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 : 2015/11/15 - 19:29**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11n(40M)_5190MHz**

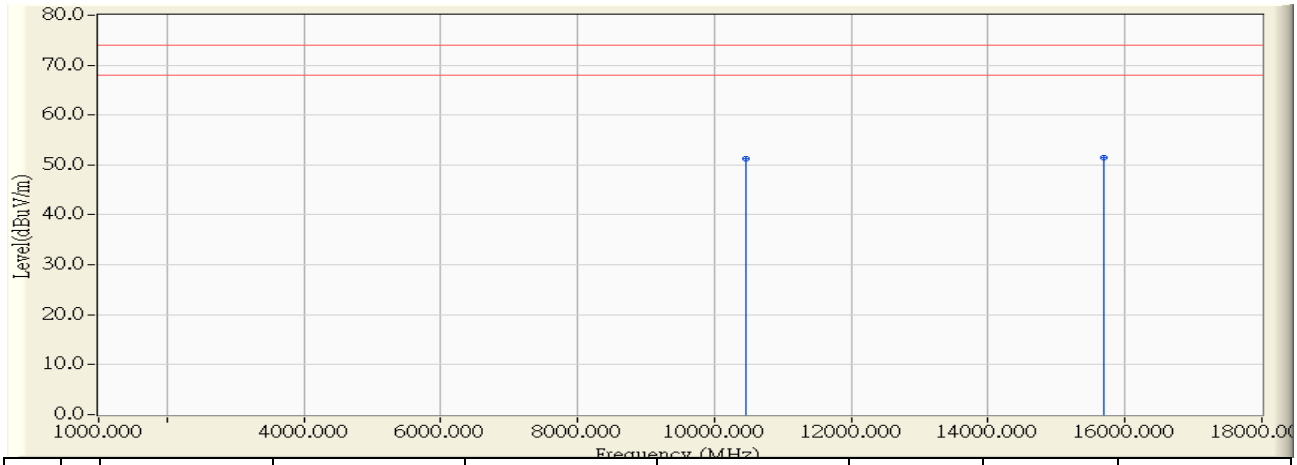


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10401.550	9.514	42.600	52.114	-21.886	74.000	PEAK
2		15592.600	11.032	40.310	51.342	-22.658	74.000	PEAK

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 : 2015/11/15 - 19:36**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11n(40M)_5230MHz**

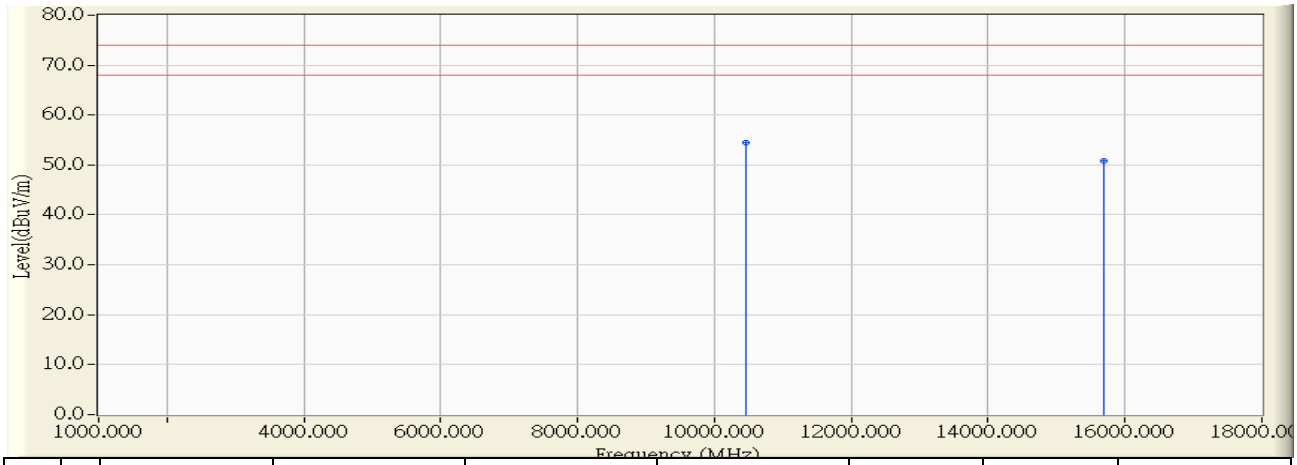


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		10463.700	10.034	41.210	51.244	-22.756	74.000	PEAK
2	*	15685.950	10.928	40.533	51.460	-22.540	74.000	PEAK

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 : 2015/11/15 - 19:42**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11n(40M)_5230MHz**

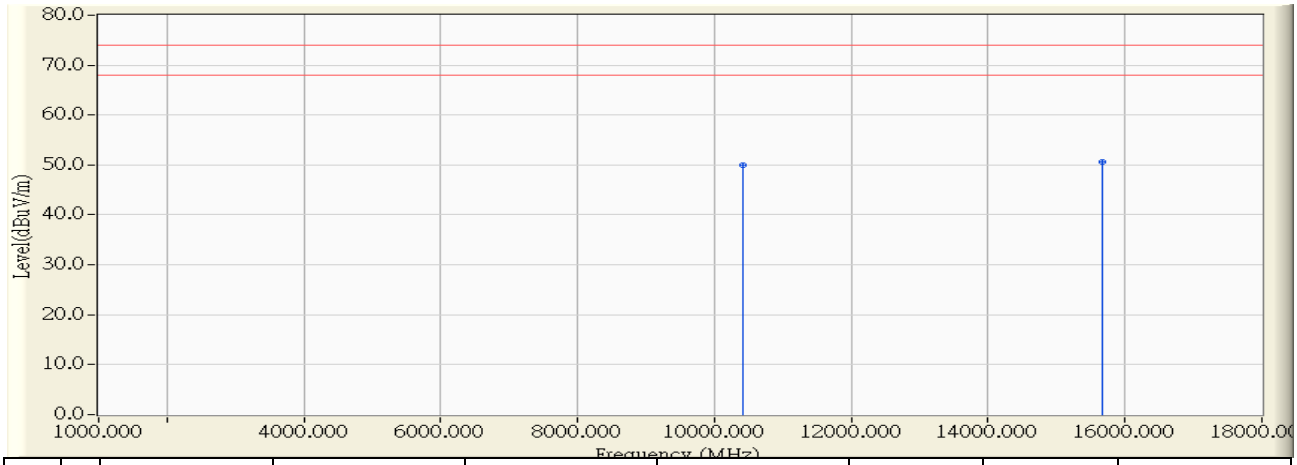


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10456.000	9.515	44.980	54.495	-19.505	74.000	PEAK
2		15680.850	10.933	39.880	50.813	-23.187	74.000	PEAK

Note:

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

Site : CB1	**Time : 2015/11/15 - 19:57**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11ac(80M)_5210MHz**

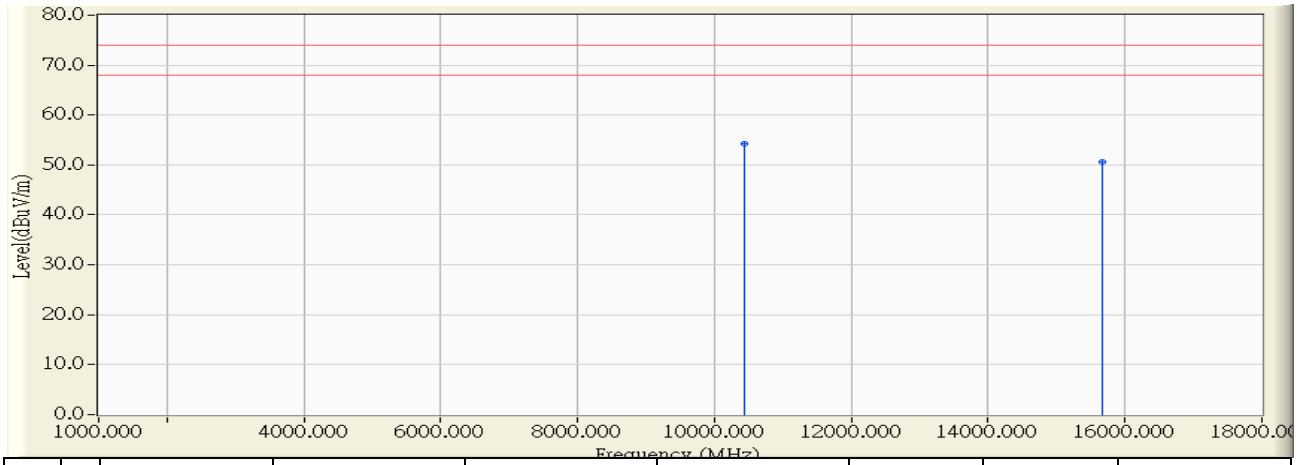


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		10419.500	10.078	39.920	49.997	-24.003	74.000	PEAK
2	*	15662.950	10.953	39.610	50.563	-23.437	74.000	PEAK

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 : 2015/11/15 - 20:04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11ac(80M)_5210MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10441.750	9.514	44.670	54.184	-19.816	74.000	PEAK
2		15676.750	10.937	39.730	50.668	-23.332	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.

7. Band Edge

7.1. Test Equipment

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

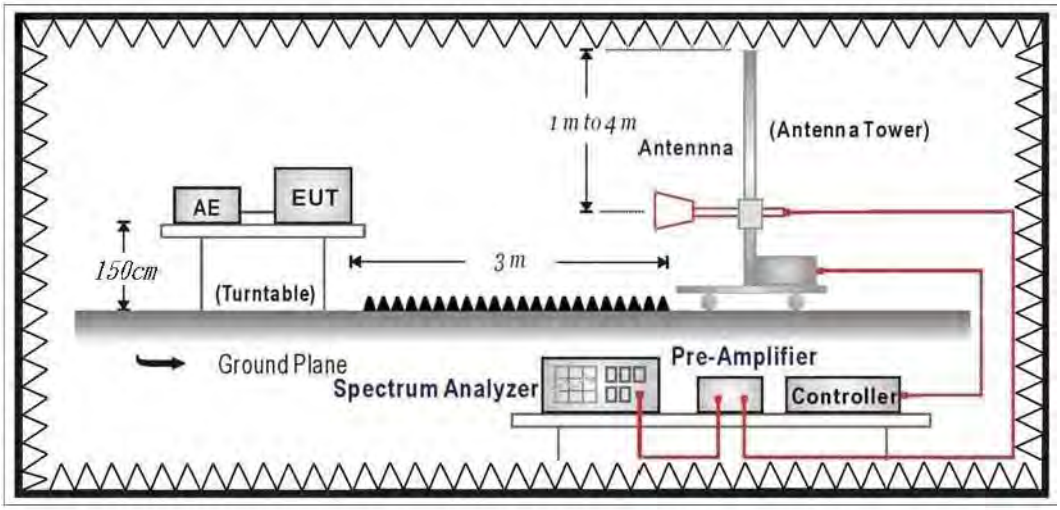
Band Edge / CB1

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Double Ridged Guide Horn Antenna	Schwarzback	BBHA 9120	D743	2016/01/26
Spectrum Analyzer	Agilent	E4440A	MY46187335	2016/01/07
k Type Cable	Huber Suhner	Sucoflex 102	25623/2	2016/01/26

Note: 1. 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
5725~5850	-27 (Note1)	68.3
	-17 (Note2)	78.3

Remark:

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

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 C63.10:2013 on radiated measurement.

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

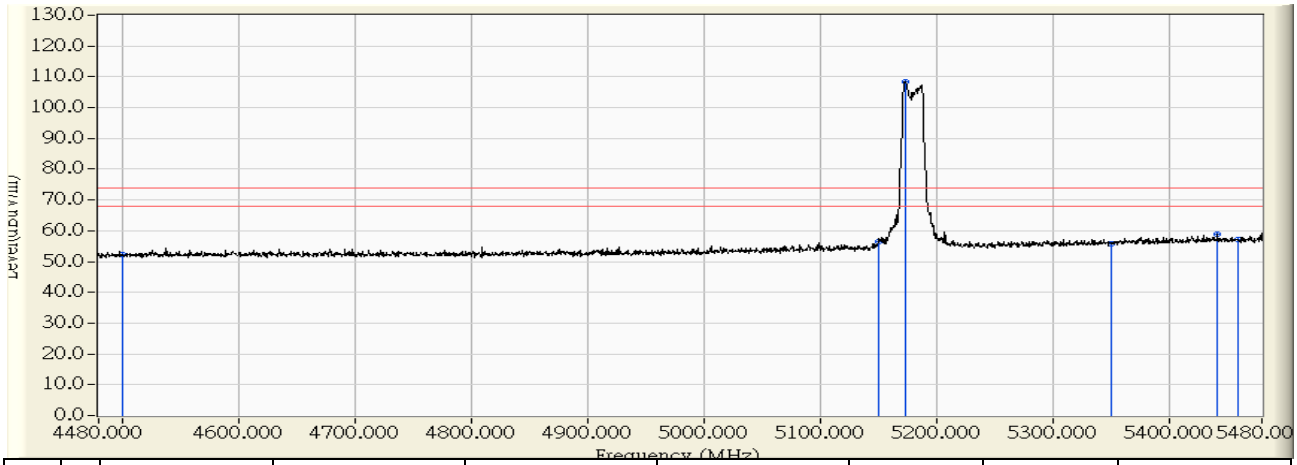
7.5. Uncertainty

The measurement uncertainty is defined as ± 3.65dB

7.6. Test Result

Radiated is defined as

Site : CB1	**Time : 2015/11/16 - 22:37**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11a_5180MHz**

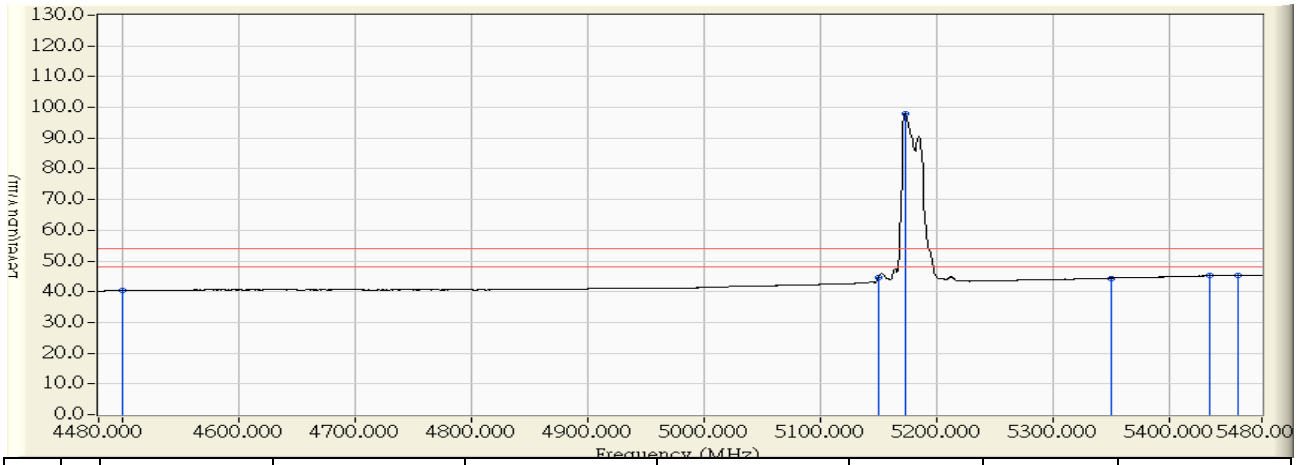


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-3.428	55.691	52.263	-21.737	74.000	PEAK
2		5150.000	-0.737	57.045	56.307	-17.693	74.000	PEAK
3	*	5174.000	-0.537	109.066	108.529	34.529	74.000	PEAK
4		5350.000	0.934	54.840	55.774	-18.226	74.000	PEAK
5		5442.000	1.703	57.148	58.850	-15.150	74.000	PEAK
6		5460.000	1.853	55.305	57.158	-16.842	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 : 2015/11/16 - 22:36**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11a_5180MHz**

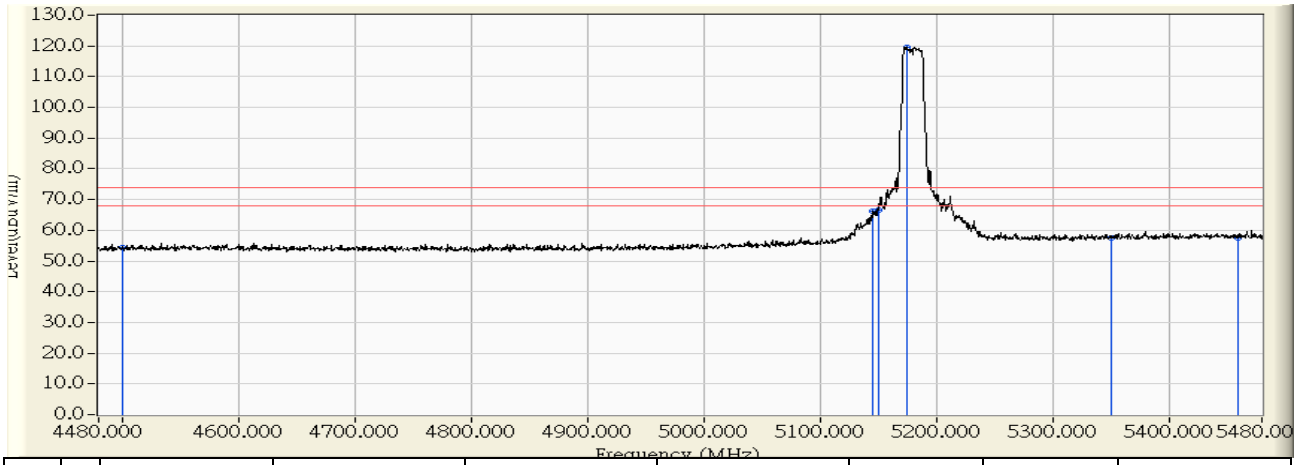


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-3.428	43.792	40.364	-13.636	54.000	AVERAGE
2		5150.000	-0.737	45.306	44.568	-9.432	54.000	AVERAGE
3	*	5173.000	-0.545	98.580	98.035	44.035	54.000	AVERAGE
4		5350.000	0.934	43.482	44.416	-9.584	54.000	AVERAGE
5		5435.500	1.648	43.591	45.239	-8.761	54.000	AVERAGE
6		5460.000	1.853	43.436	45.289	-8.711	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 : 2015/11/16 - 22:29**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11a_5180MHz**

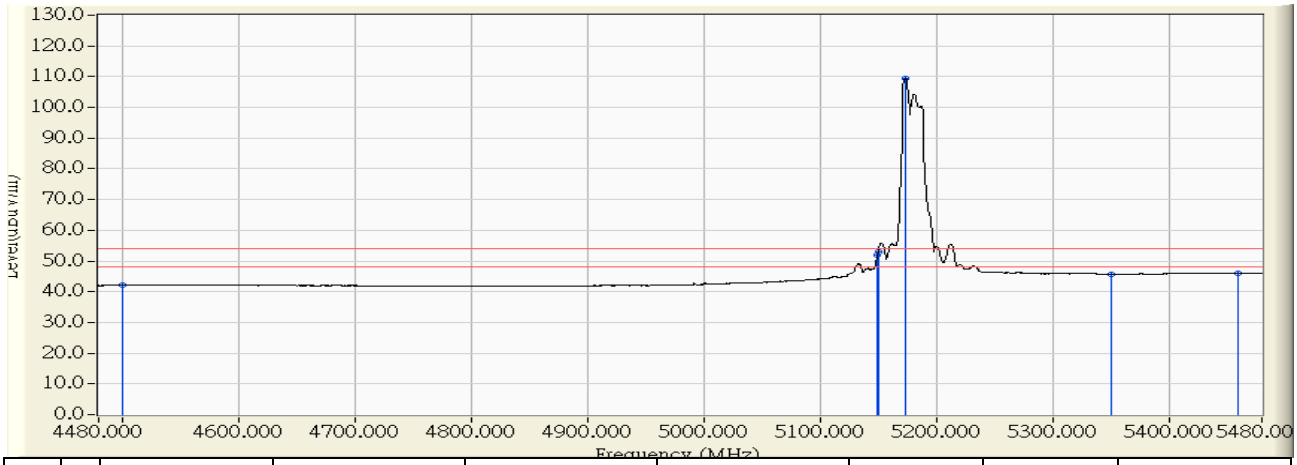


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.721	56.167	54.446	-19.554	74.000	PEAK
2		5146.000	-0.353	66.461	66.108	-7.892	74.000	PEAK
3		5150.000	-0.321	66.831	66.510	-7.490	74.000	PEAK
4	*	5174.500	-0.128	119.794	119.665	45.665	74.000	PEAK
5		5350.000	1.250	56.233	57.483	-16.517	74.000	PEAK
6		5460.000	2.114	55.539	57.653	-16.347	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 : 2015/11/16 - 22:26**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11a_5180MHz**

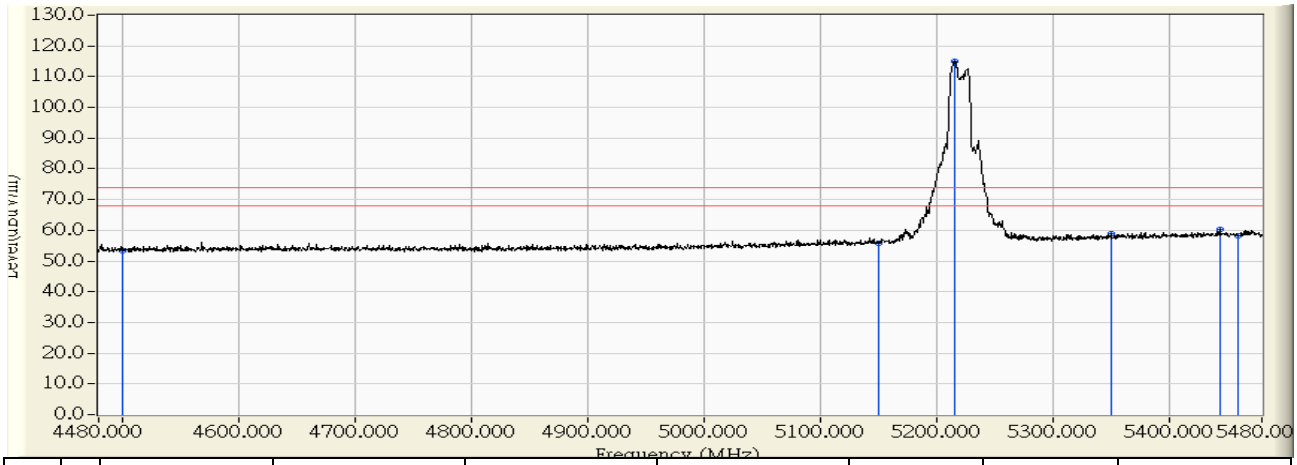


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.721	43.910	42.189	-11.811	54.000	AVERAGE
2		5149.500	-0.325	52.347	52.022	-1.978	54.000	AVERAGE
3		5150.000	-0.321	53.305	52.984	-1.016	54.000	AVERAGE
4	*	5173.000	-0.140	109.515	109.375	55.375	54.000	AVERAGE
5		5350.000	1.250	44.452	45.702	-8.298	54.000	AVERAGE
6		5460.000	2.114	43.868	45.982	-8.018	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 : 2015/11/13 - 14:50**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11a_5220MHz**

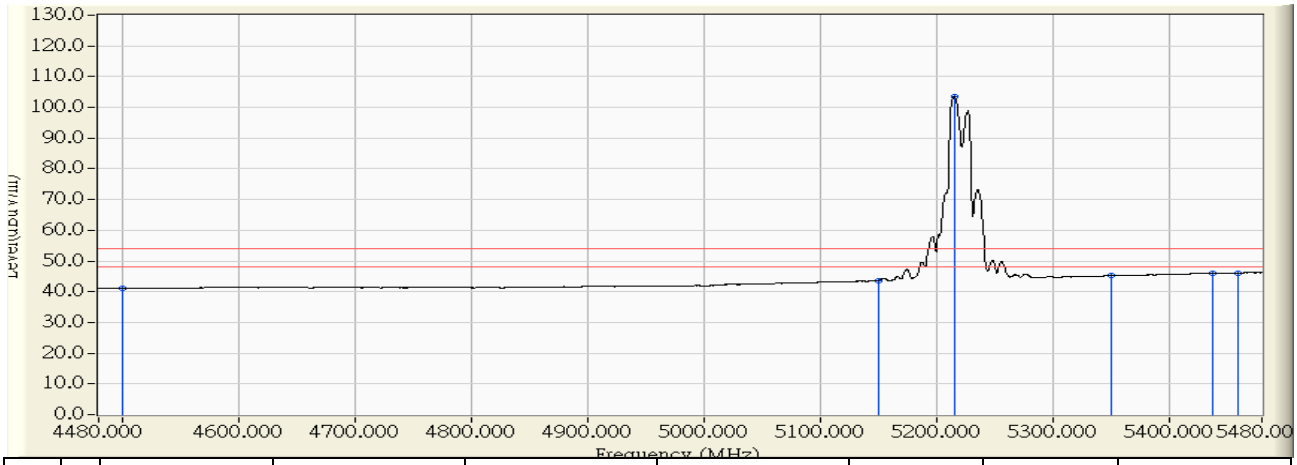


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-2.365	55.733	53.368	-20.632	74.000	PEAK
2		5150.000	0.275	55.399	55.673	-18.327	74.000	PEAK
3	*	5216.000	0.851	114.316	115.168	41.168	74.000	PEAK
4		5350.000	2.026	56.951	58.976	-15.024	74.000	PEAK
5		5444.000	2.848	57.281	60.129	-13.871	74.000	PEAK
6		5460.000	2.989	55.147	58.135	-15.865	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 : 2015/11/13 - 14:48**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11a_5220MHz**

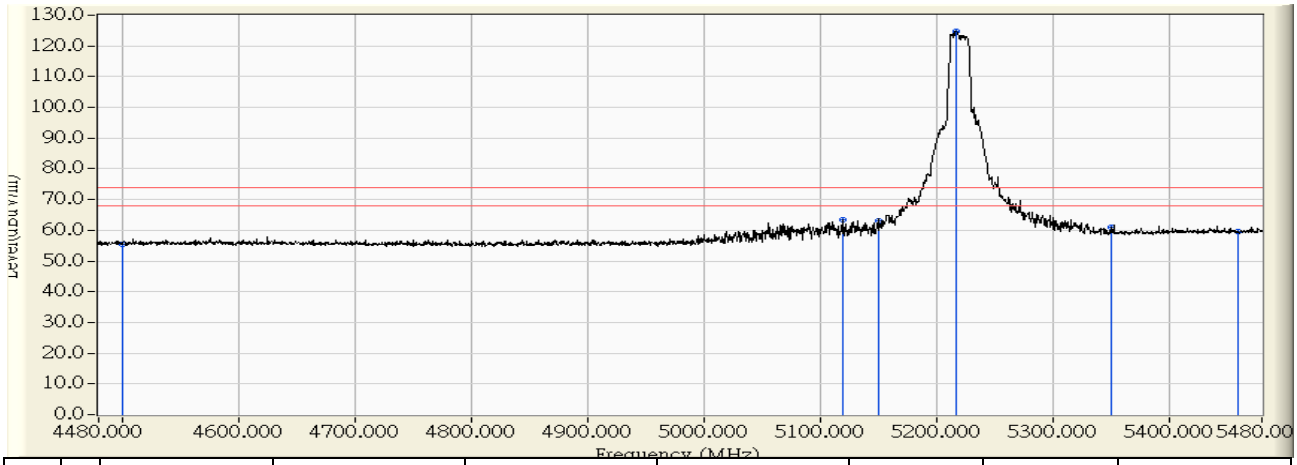


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-2.365	43.486	41.121	-12.879	54.000	AVERAGE
2		5150.000	0.275	43.322	43.596	-10.404	54.000	AVERAGE
3	*	5215.500	0.847	102.732	103.580	49.580	54.000	AVERAGE
4		5350.000	2.026	43.199	45.224	-8.776	54.000	AVERAGE
5		5437.500	2.791	43.228	46.019	-7.981	54.000	AVERAGE
6		5460.000	2.989	43.117	46.105	-7.895	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 : 2015/11/13 - 14:32**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11a_5220MHz**

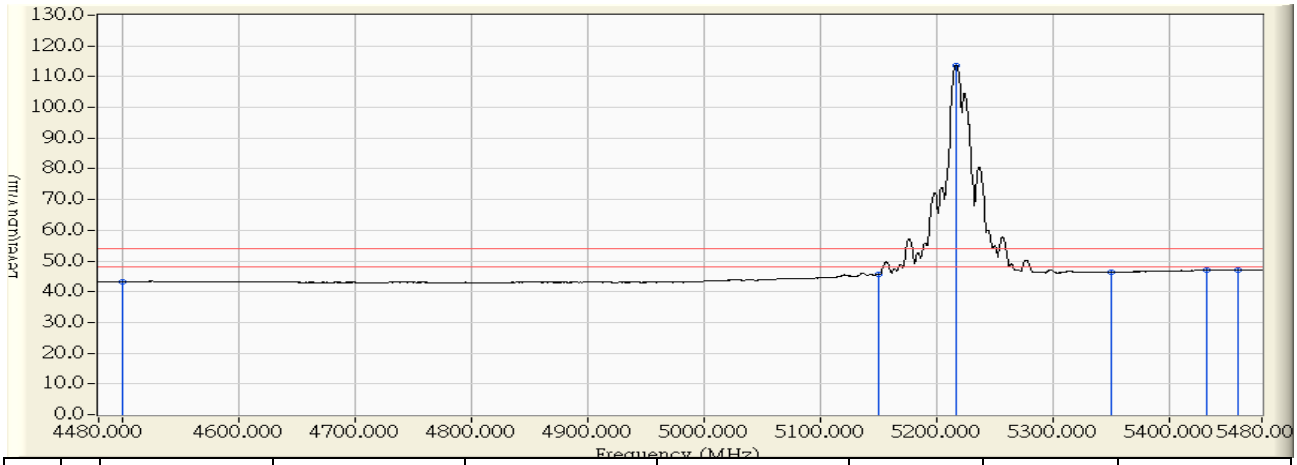


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-0.658	56.172	55.515	-18.485	74.000	PEAK
2		5119.500	0.439	62.870	63.309	-10.691	74.000	PEAK
3		5150.000	0.691	62.456	63.147	-10.853	74.000	PEAK
4	*	5217.000	1.244	123.534	124.778	50.778	74.000	PEAK
5		5350.000	2.342	58.532	60.874	-13.126	74.000	PEAK
6		5460.000	3.250	56.244	59.494	-14.506	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 : 2015/11/13 - 14:23**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11a_5220MHz**

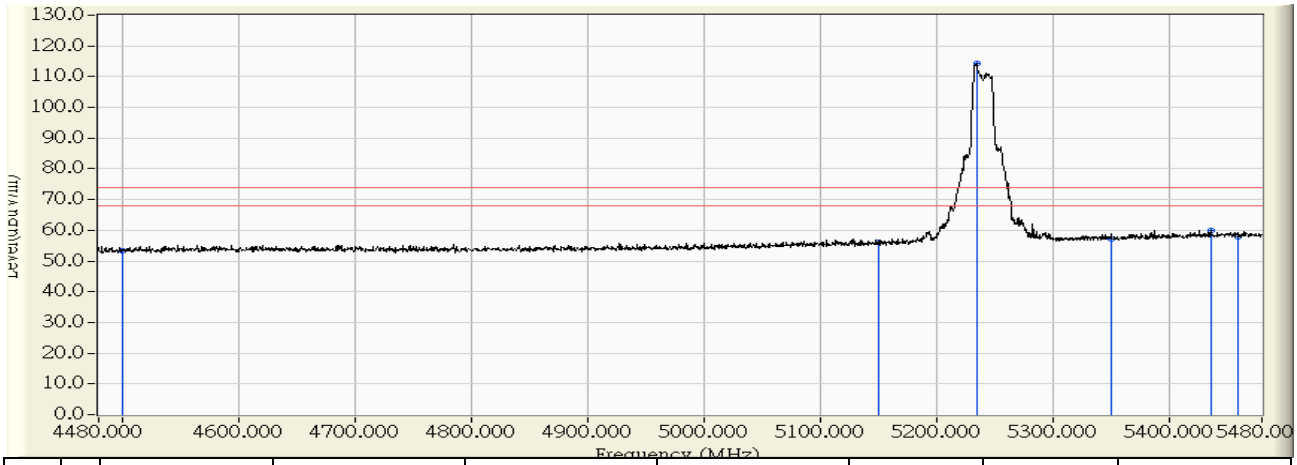


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-0.658	43.895	43.238	-10.762	54.000	AVERAGE
2		5150.000	0.691	44.989	45.680	-8.320	54.000	AVERAGE
3	*	5217.500	1.248	112.532	113.780	59.780	54.000	AVERAGE
4		5350.000	2.342	44.001	46.343	-7.657	54.000	AVERAGE
5		5432.000	3.018	43.980	46.999	-7.001	54.000	AVERAGE
6		5460.000	3.250	43.763	47.013	-6.987	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 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 : 2015/11/13 - 15:30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11a_5240MHz**

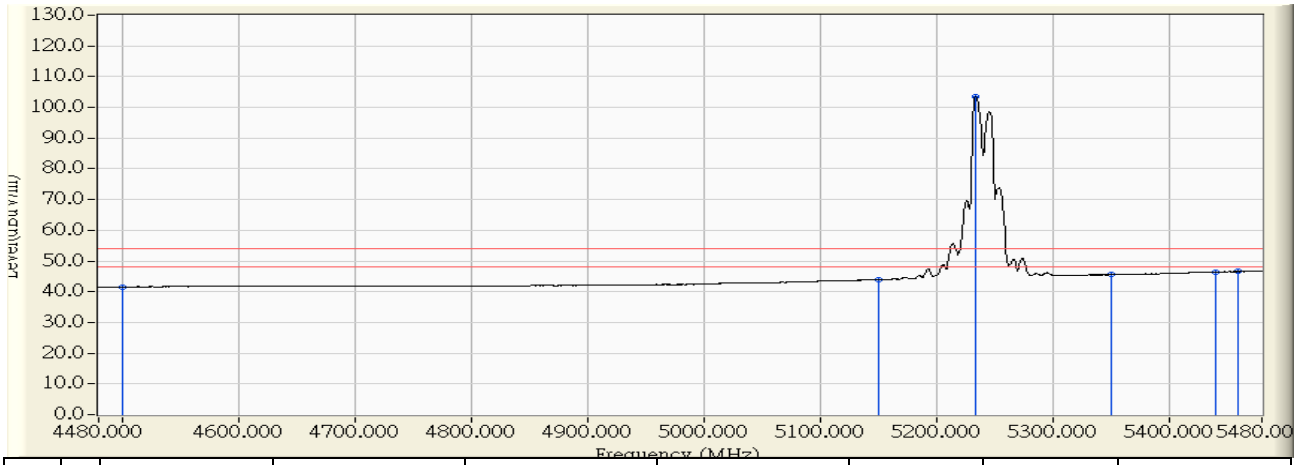


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-2.365	55.651	53.286	-20.714	74.000	PEAK
2		5150.000	0.275	55.983	56.257	-17.743	74.000	PEAK
3	*	5234.500	1.015	113.267	114.281	40.281	74.000	PEAK
4		5350.000	2.026	55.115	57.140	-16.860	74.000	PEAK
5		5436.000	2.777	57.159	59.937	-14.063	74.000	PEAK
6		5460.000	2.989	54.711	57.699	-16.301	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 : 2015/11/13 - 15:27**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11a_5240MHz**

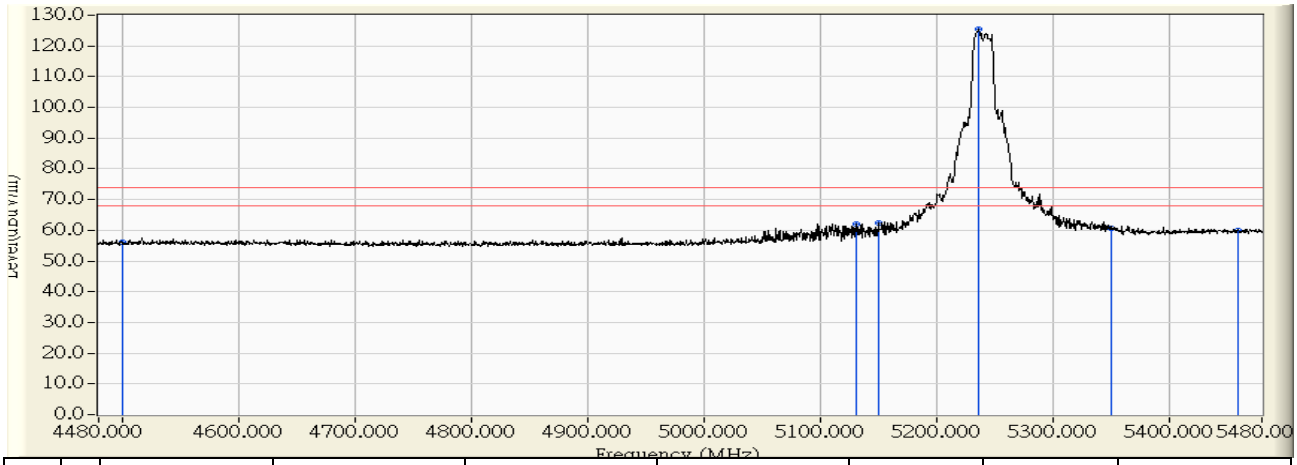


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-2.365	43.928	41.563	-12.437	54.000	AVERAGE
2		5150.000	0.275	43.638	43.912	-10.088	54.000	AVERAGE
3	*	5234.000	1.009	102.479	103.489	49.489	54.000	AVERAGE
4		5350.000	2.026	43.516	45.541	-8.459	54.000	AVERAGE
5		5440.000	2.814	43.648	46.461	-7.539	54.000	AVERAGE
6		5460.000	2.989	43.610	46.598	-7.402	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 : 2015/11/13 - 15:12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11a_5240MHz**

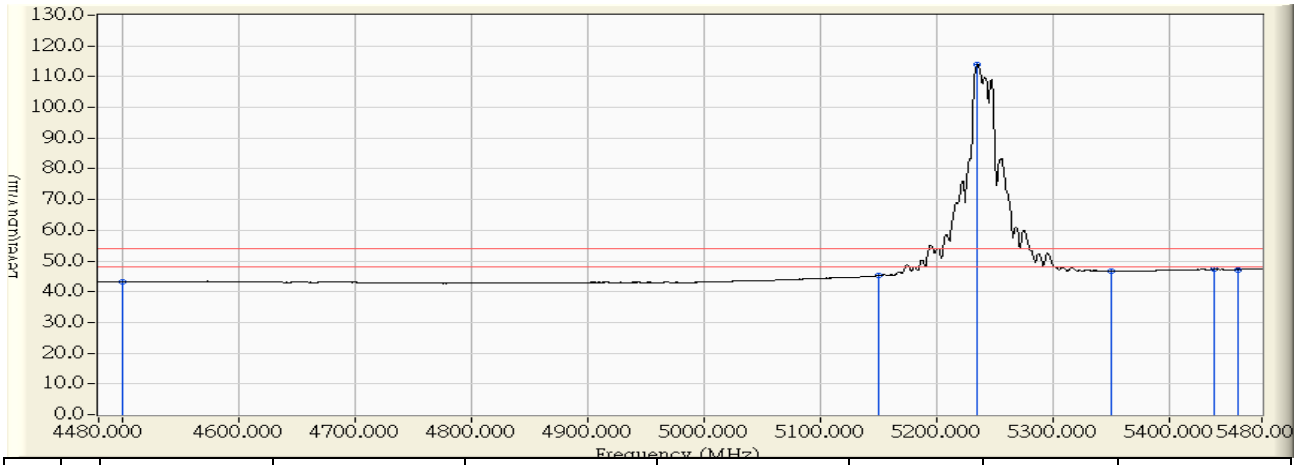


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-0.658	56.910	56.253	-17.747	74.000	PEAK
2		5131.500	0.538	61.563	62.101	-11.899	74.000	PEAK
3		5150.000	0.691	61.789	62.480	-11.520	74.000	PEAK
4	*	5236.500	1.405	124.045	125.450	51.450	74.000	PEAK
5		5350.000	2.342	58.431	60.773	-13.227	74.000	PEAK
6		5460.000	3.250	56.744	59.994	-14.006	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 : 2015/11/13 - 15:03**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11a_5240MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-0.658	43.940	43.283	-10.717	54.000	AVERAGE
2		5150.000	0.691	44.596	45.287	-8.713	54.000	AVERAGE
3	*	5235.500	1.397	112.519	113.915	59.915	54.000	AVERAGE
4		5350.000	2.342	44.287	46.629	-7.371	54.000	AVERAGE
5		5438.500	3.072	44.157	47.229	-6.771	54.000	AVERAGE
6		5460.000	3.250	43.962	47.212	-6.788	54.000	AVERAGE

Note:

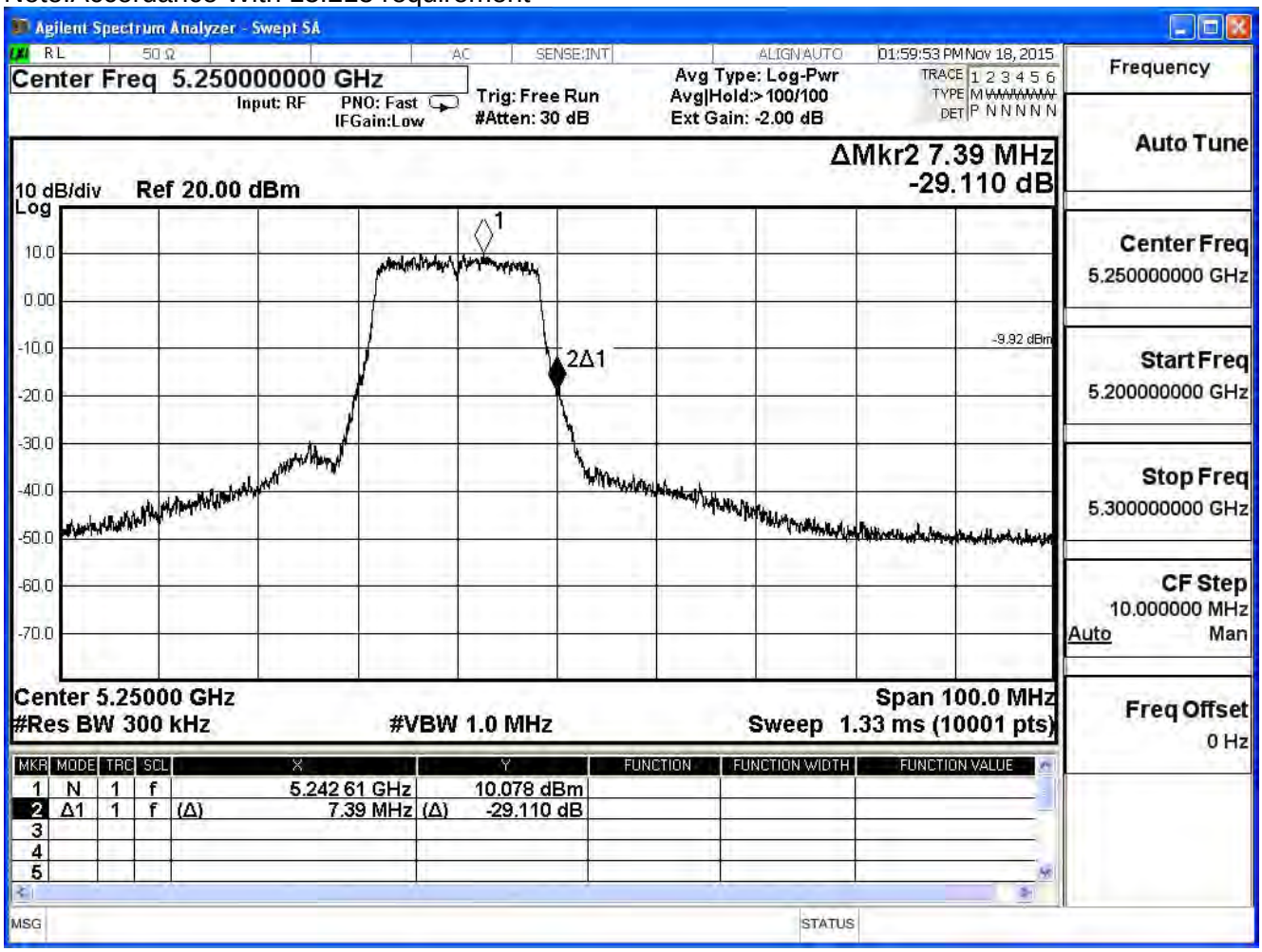
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading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

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Band edge Data		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

802.11a (ANT 0)

Test Frequency (MHz)	Measurement Level (dBc)	Limit (dBc)	Result
5240	29.110	>20	PASS

Note:Accordance With 15.215 requirement

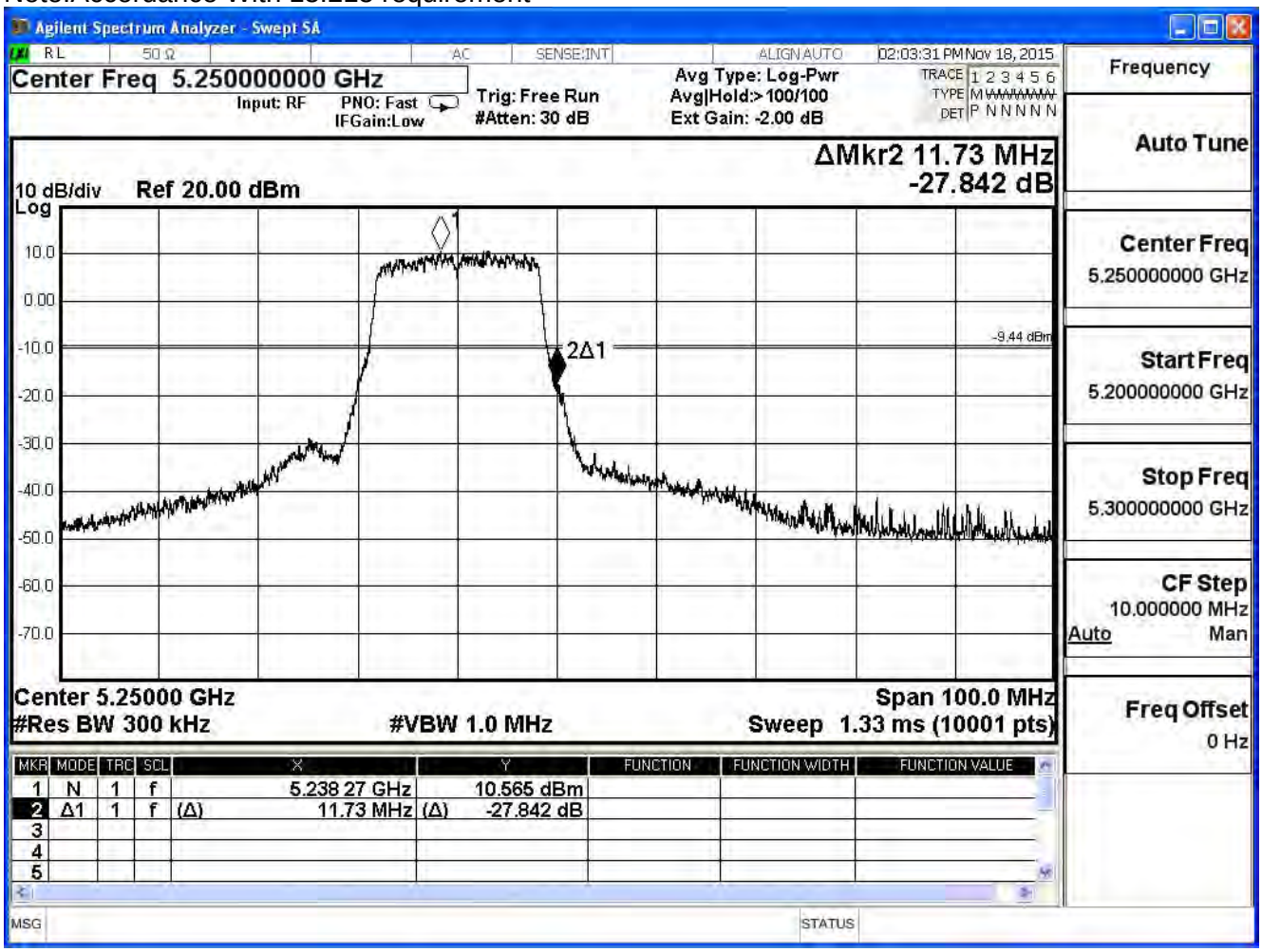


Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Band edge Data		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

802.11a (ANT 1)

Test Frequency (MHz)	Measurement Level (dBc)	Limit (dBc)	Result
5240	27.842	>20	PASS

Note:Accordance With 15.215 requirement

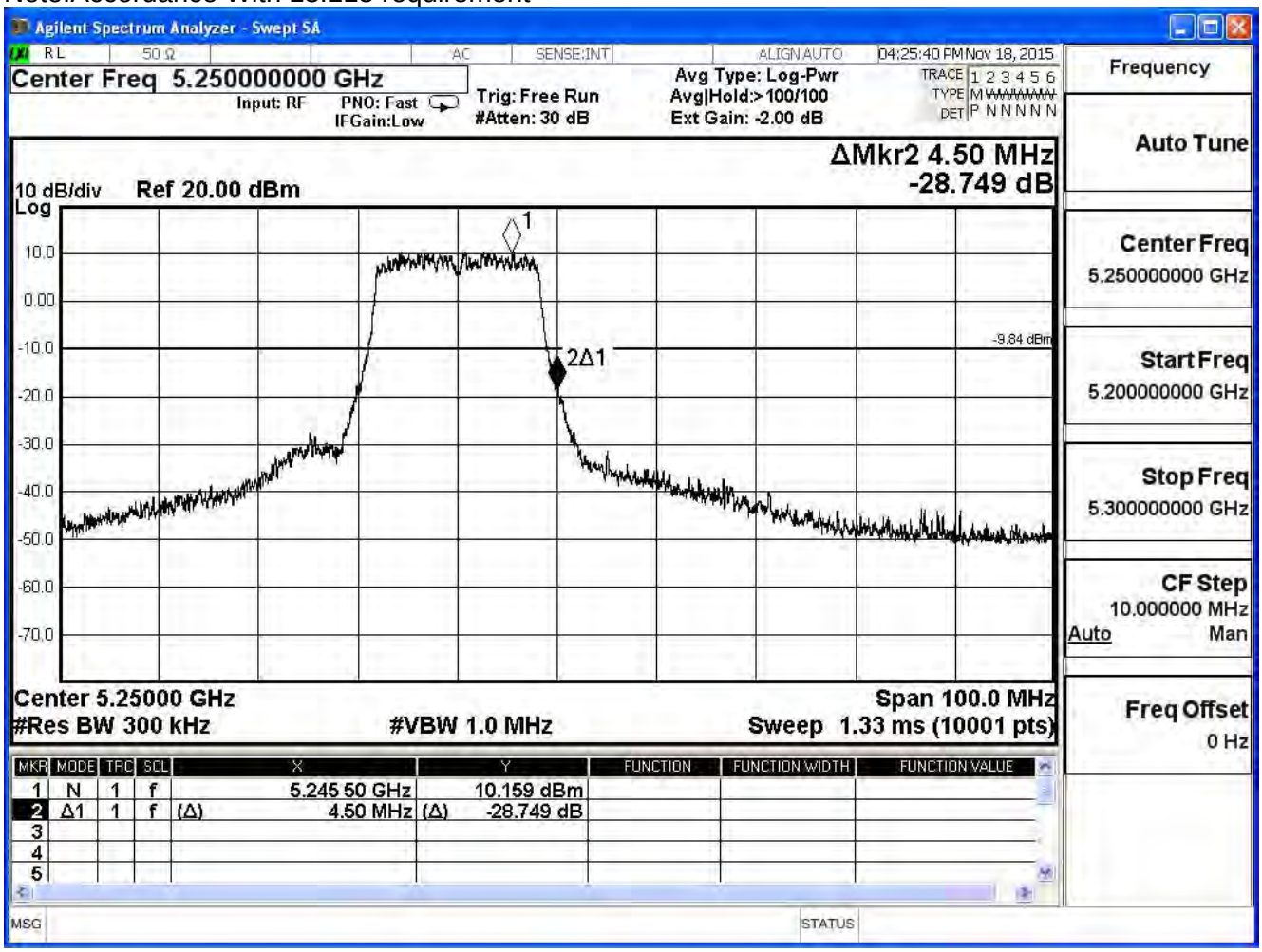


Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Band edge Data		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

802.11a (ANT 2)

Test Frequency (MHz)	Measurement Level (dBc)	Limit (dBc)	Result
5240	28.749	>20	PASS

Note:Accordance With 15.215 requirement

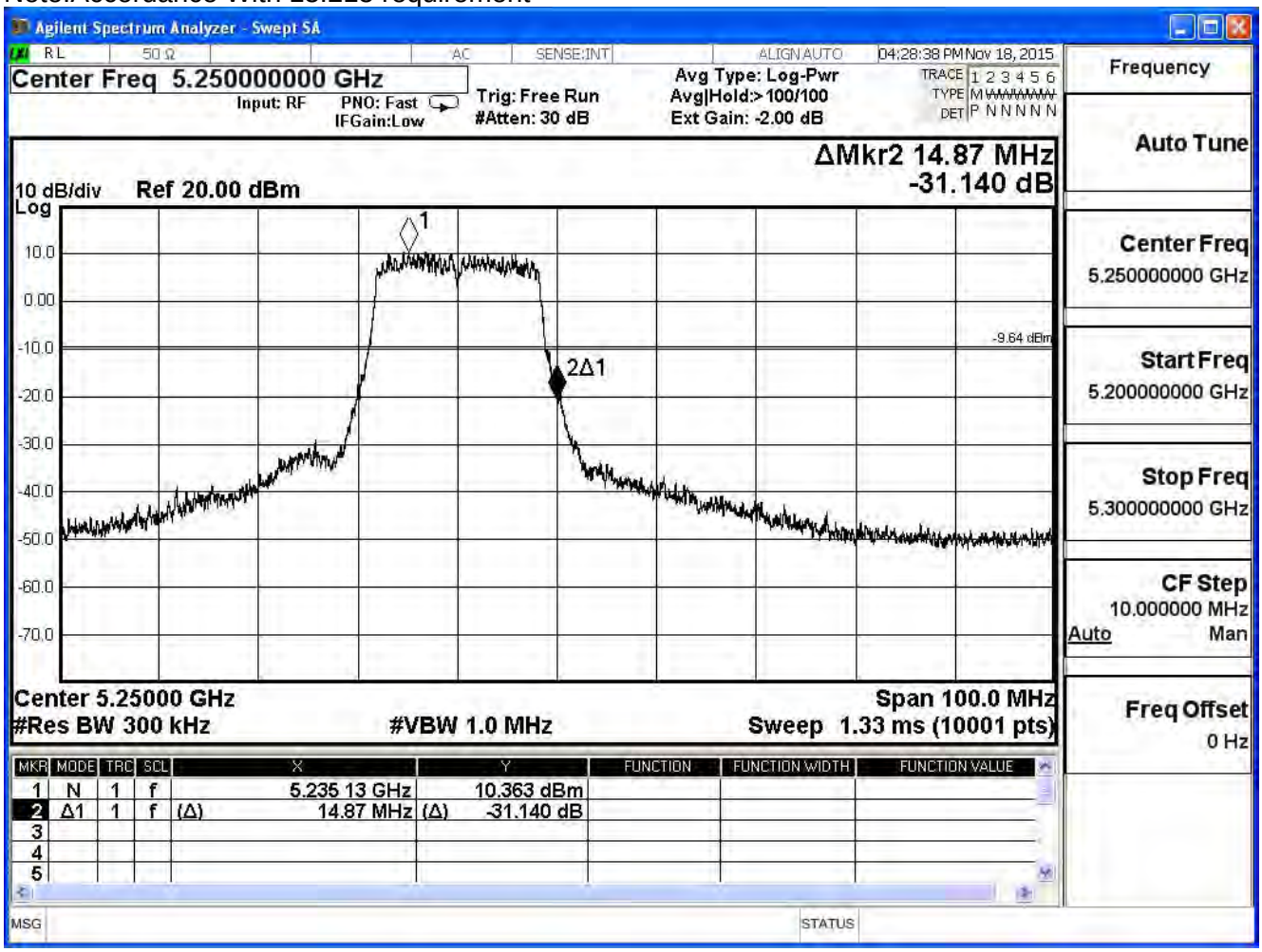


Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Band edge Data		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

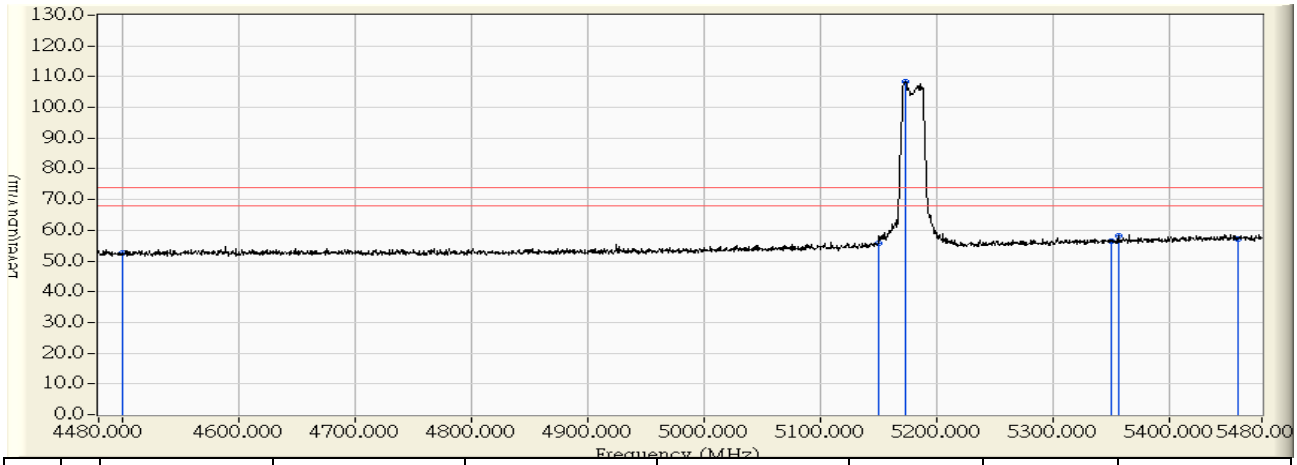
802.11a (ANT 3)

Test Frequency (MHz)	Measurement Level (dBc)	Limit (dBc)	Result
5240	31.140	>20	PASS

Note:Accordance With 15.215 requirement



Site : CB1	**Time : 2015/11/16 - 22:18**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11n(20M)_5180MHz**

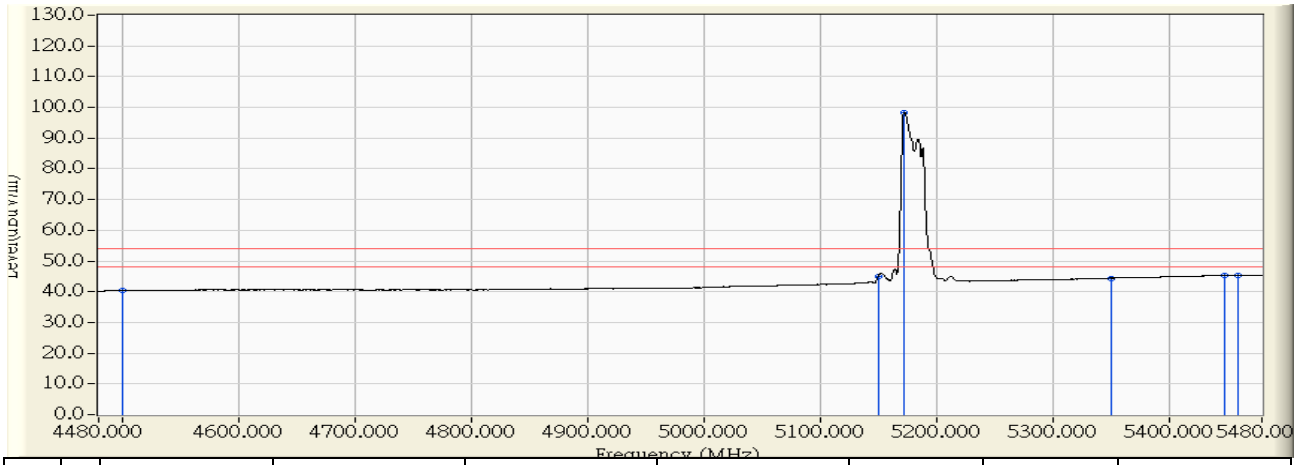


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-3.428	55.883	52.455	-21.545	74.000	PEAK
2		5150.000	-0.737	56.600	55.862	-18.138	74.000	PEAK
3	*	5173.500	-0.541	108.838	108.297	34.297	74.000	PEAK
4		5350.000	0.934	55.465	56.399	-17.601	74.000	PEAK
5		5357.500	0.996	57.258	58.254	-15.746	74.000	PEAK
6		5460.000	1.853	55.252	57.105	-16.895	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 : 2015/11/16 - 22:15**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11n(20M)_5180MHz**

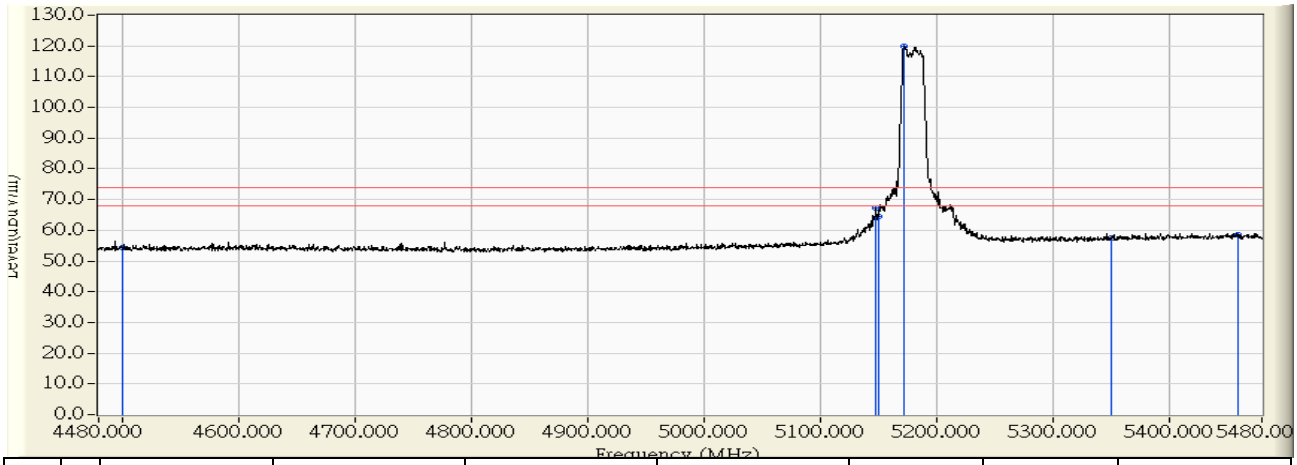


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-3.428	43.810	40.382	-13.618	54.000	AVERAGE
2		5150.000	-0.737	45.589	44.851	-9.149	54.000	AVERAGE
3	*	5172.500	-0.549	98.849	98.299	44.299	54.000	AVERAGE
4		5350.000	0.934	43.463	44.397	-9.603	54.000	AVERAGE
5		5448.000	1.753	43.490	45.243	-8.757	54.000	AVERAGE
6		5460.000	1.853	43.434	45.287	-8.713	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 : 2015/11/16 - 22:00**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11n(20M)_5180MHz**

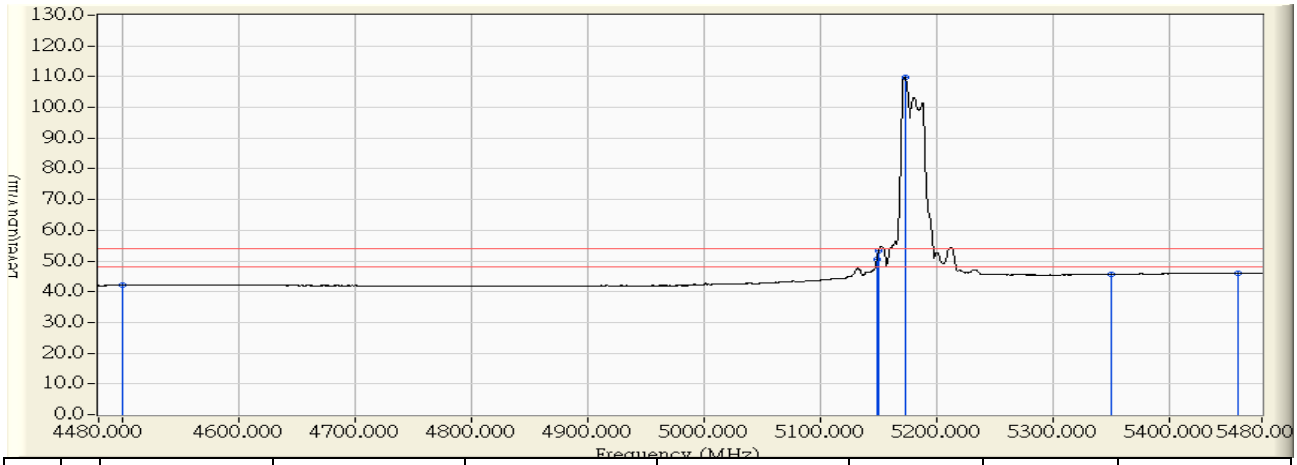


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.721	56.117	54.396	-19.604	74.000	PEAK
2		5148.500	-0.333	67.620	67.287	-6.713	74.000	PEAK
3		5150.000	-0.321	64.841	64.520	-9.480	74.000	PEAK
4	*	5172.000	-0.149	119.997	119.849	45.849	74.000	PEAK
5		5350.000	1.250	56.287	57.537	-16.463	74.000	PEAK
6		5460.000	2.114	56.341	58.455	-15.545	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 : 2015/11/16 - 21:58**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11n(20M)_5180MHz**

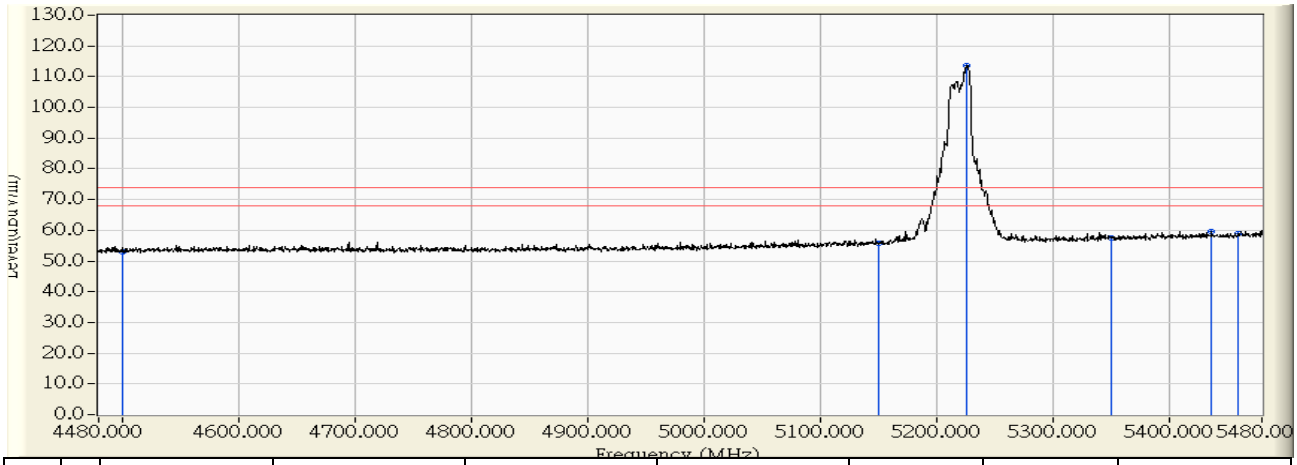


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.721	43.802	42.081	-11.919	54.000	AVERAGE
2		5149.000	-0.329	50.871	50.542	-3.458	54.000	AVERAGE
3		5150.000	-0.321	53.608	53.287	-0.713	54.000	AVERAGE
4	*	5173.000	-0.140	109.862	109.722	55.722	54.000	AVERAGE
5		5350.000	1.250	44.528	45.778	-8.222	54.000	AVERAGE
6		5460.000	2.114	43.853	45.967	-8.033	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 : 2015/11/13 - 17:50**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11n(20M)_5220MHz**

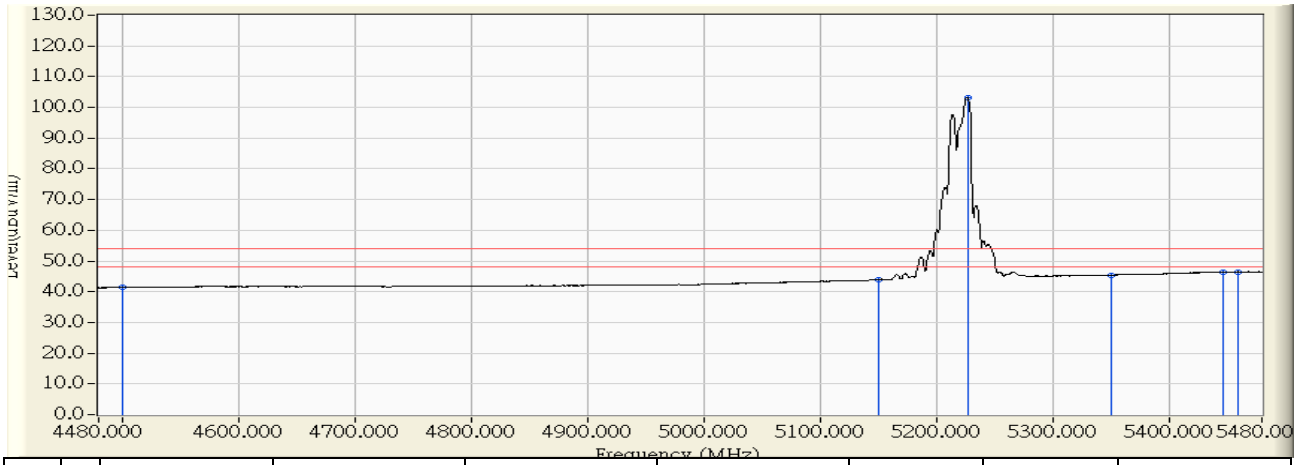


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-2.365	55.206	52.841	-21.159	74.000	PEAK
2		5150.000	0.275	55.348	55.622	-18.378	74.000	PEAK
3	*	5226.500	0.943	112.632	113.576	39.576	74.000	PEAK
4		5350.000	2.026	55.493	57.518	-16.482	74.000	PEAK
5		5436.500	2.782	56.664	59.446	-14.554	74.000	PEAK
6		5460.000	2.989	55.872	58.860	-15.140	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 : 2015/11/13 - 17:48**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11n(20M)_5220MHz**

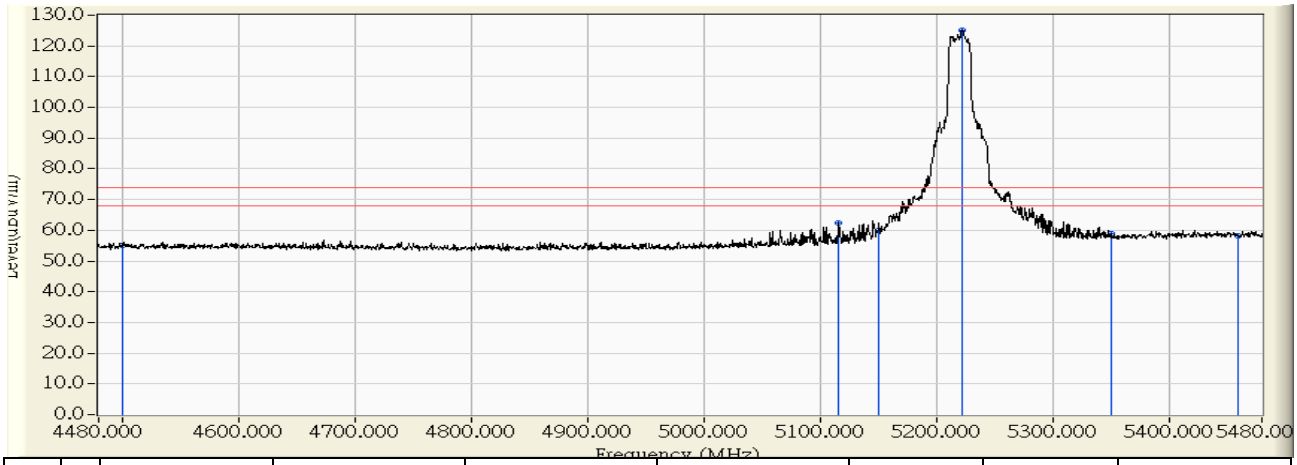


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-2.365	43.736	41.371	-12.629	54.000	AVERAGE
2		5150.000	0.275	43.504	43.778	-10.222	54.000	AVERAGE
3	*	5227.000	0.948	102.345	103.293	49.293	54.000	AVERAGE
4		5350.000	2.026	43.448	45.473	-8.527	54.000	AVERAGE
5		5446.500	2.869	43.546	46.416	-7.584	54.000	AVERAGE
6		5460.000	2.989	43.436	46.424	-7.576	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 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 : 2015/11/13 - 17:16**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11n(20M)_5220MHz**

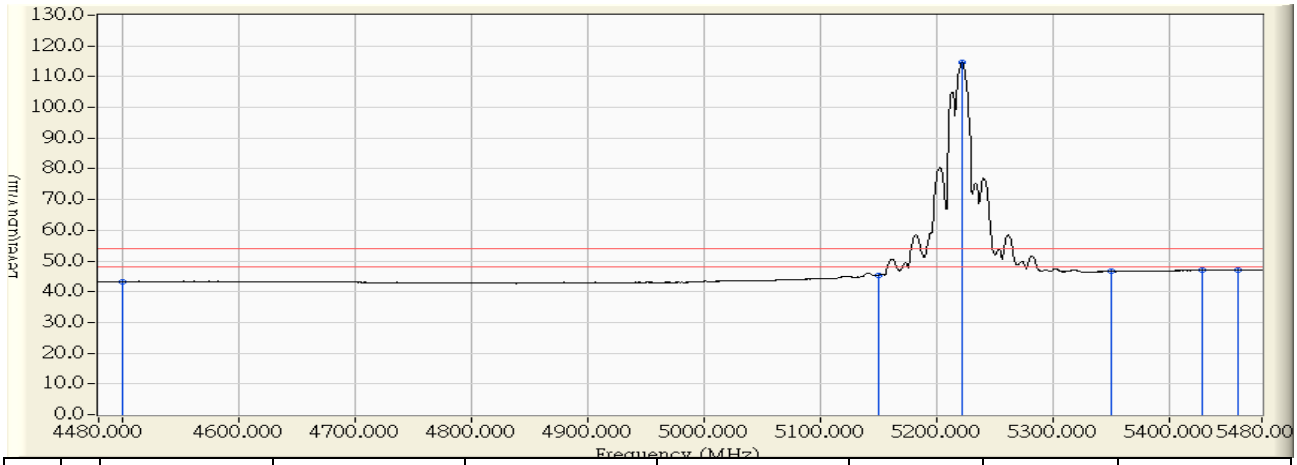


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-0.658	55.597	54.940	-19.060	74.000	PEAK
2		5116.500	0.414	61.950	62.364	-11.636	74.000	PEAK
3		5150.000	0.691	59.375	60.066	-13.934	74.000	PEAK
4	*	5222.000	1.285	123.780	125.065	51.065	74.000	PEAK
5		5350.000	2.342	56.459	58.801	-15.199	74.000	PEAK
6		5460.000	3.250	54.818	58.068	-15.932	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 : 2015/11/13 - 17:15**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11n(20M)_5220MHz**

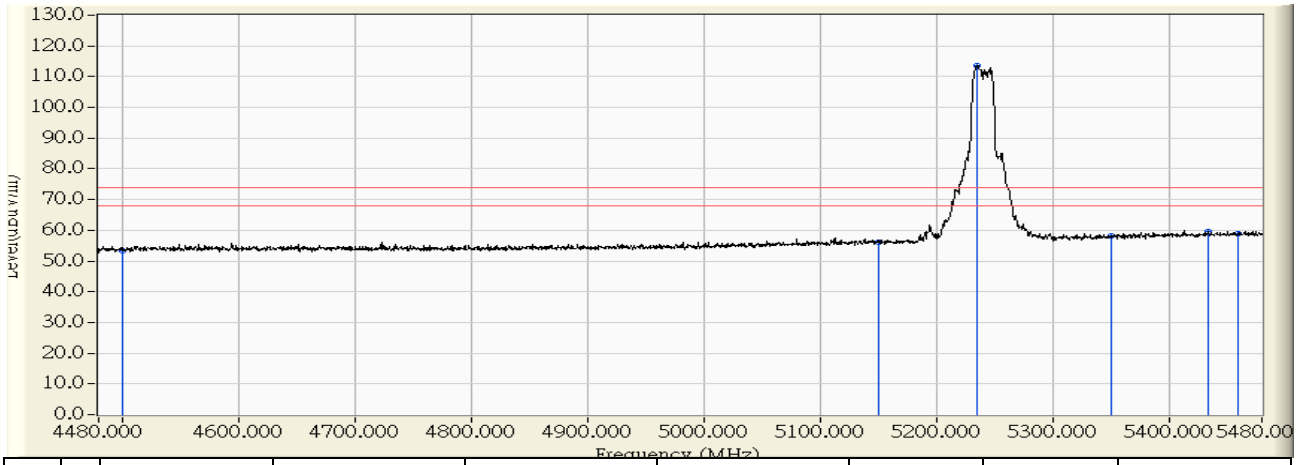


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-0.658	43.884	43.227	-10.773	54.000	AVERAGE
2		5150.000	0.691	44.576	45.267	-8.733	54.000	AVERAGE
3	*	5222.000	1.285	113.371	114.656	60.656	54.000	AVERAGE
4		5350.000	2.342	44.232	46.574	-7.426	54.000	AVERAGE
5		5428.500	2.989	43.969	46.959	-7.041	54.000	AVERAGE
6		5460.000	3.250	43.952	47.202	-6.798	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 : 2015/11/15 - 11:16**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11n(20M)_5240MHz**

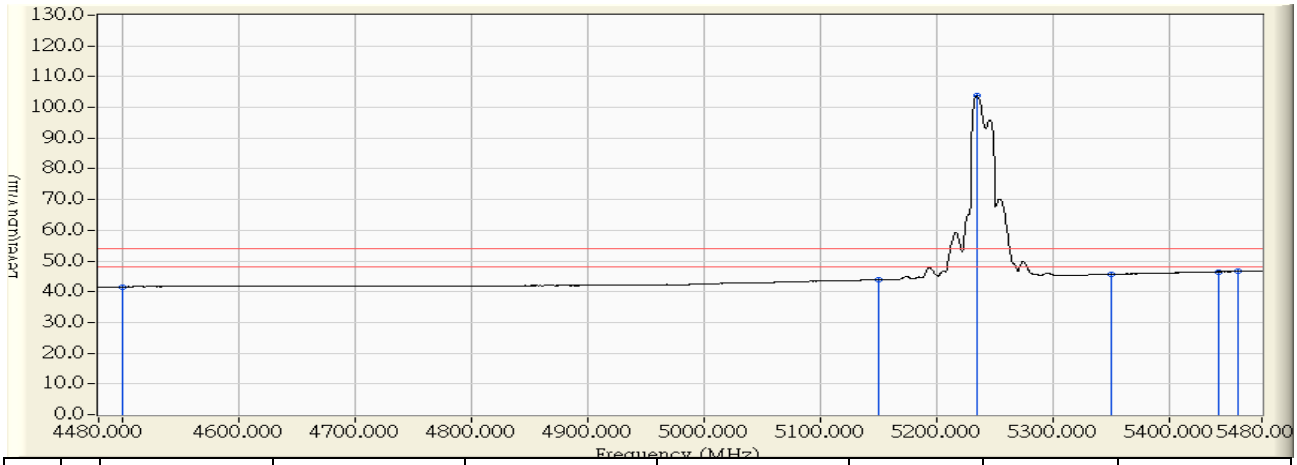


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-2.365	55.843	53.478	-20.522	74.000	PEAK
2		5150.000	0.275	55.911	56.185	-17.815	74.000	PEAK
3	*	5234.500	1.015	112.718	113.732	39.732	74.000	PEAK
4		5350.000	2.026	56.058	58.083	-15.917	74.000	PEAK
5		5434.000	2.760	56.789	59.550	-14.450	74.000	PEAK
6		5460.000	2.989	56.043	59.031	-14.969	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 : 2015/11/15 - 11:10**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11n(20M)_5240MHz**

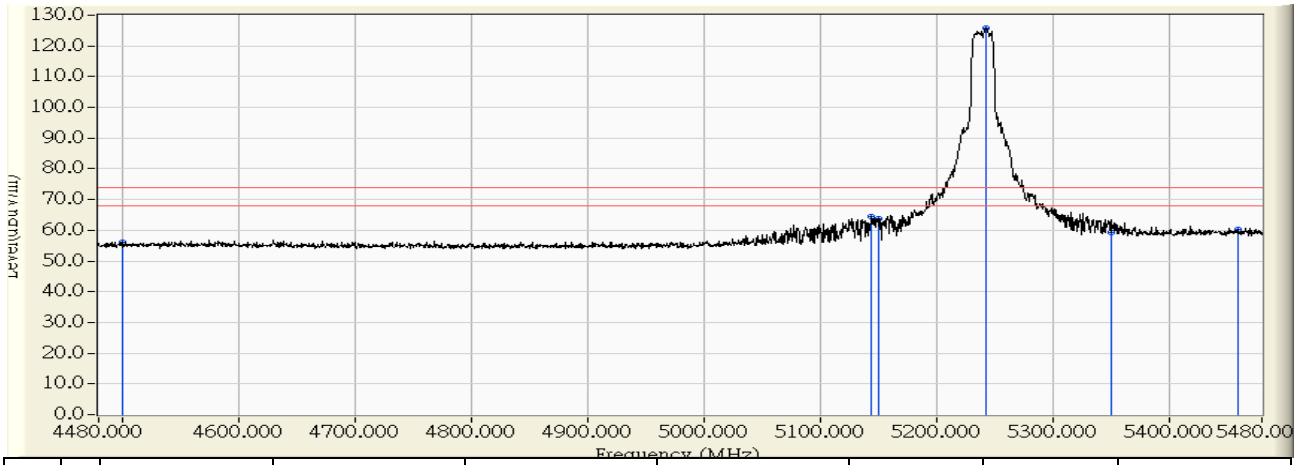


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-2.365	43.963	41.598	-12.402	54.000	AVERAGE
2		5150.000	0.275	43.635	43.909	-10.091	54.000	AVERAGE
3	*	5235.000	1.019	102.878	103.896	49.896	54.000	AVERAGE
4		5350.000	2.026	43.634	45.659	-8.341	54.000	AVERAGE
5		5442.500	2.835	43.681	46.516	-7.484	54.000	AVERAGE
6		5460.000	2.989	43.566	46.554	-7.446	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 : 2015/11/15 - 10:51**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11n(20M)_5240MHz**

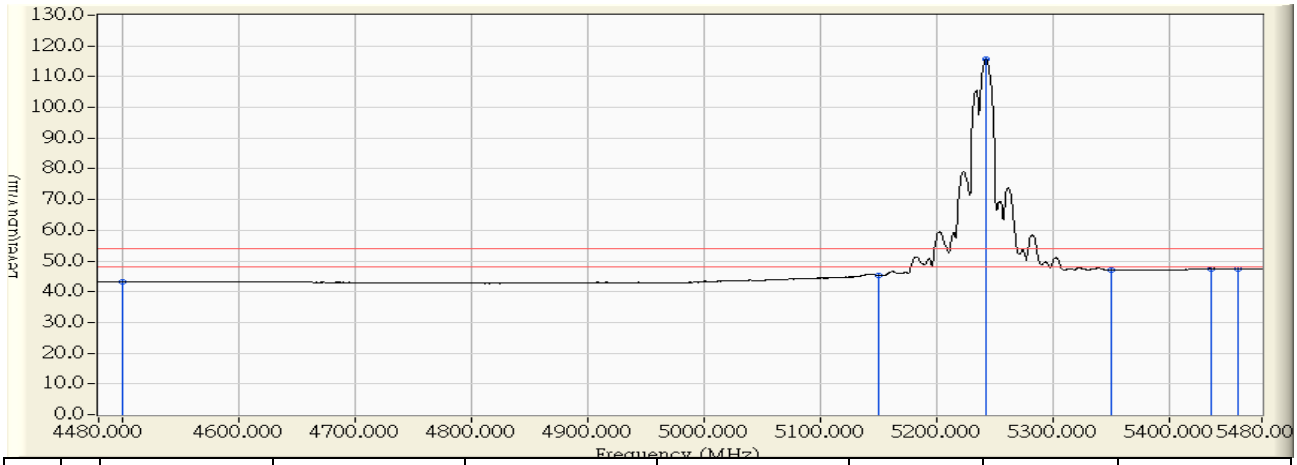


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-0.658	56.633	55.976	-18.024	74.000	PEAK
2		5143.500	0.637	63.903	64.540	-9.460	74.000	PEAK
3		5150.000	0.691	63.202	63.893	-10.107	74.000	PEAK
4	*	5242.500	1.454	124.216	125.670	51.670	74.000	PEAK
5		5350.000	2.342	56.995	59.337	-14.663	74.000	PEAK
6		5460.000	3.250	57.196	60.446	-13.554	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 : 2015/11/15 - 10:49**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11n(20M)_5240MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-0.658	43.880	43.223	-10.777	54.000	AVERAGE
2		5150.000	0.691	44.639	45.330	-8.670	54.000	AVERAGE
3	*	5243.000	1.458	114.183	115.641	61.641	54.000	AVERAGE
4		5350.000	2.342	44.752	47.094	-6.906	54.000	AVERAGE
5		5436.000	3.051	44.508	47.560	-6.440	54.000	AVERAGE
6		5460.000	3.250	44.158	47.408	-6.592	54.000	AVERAGE

Note:

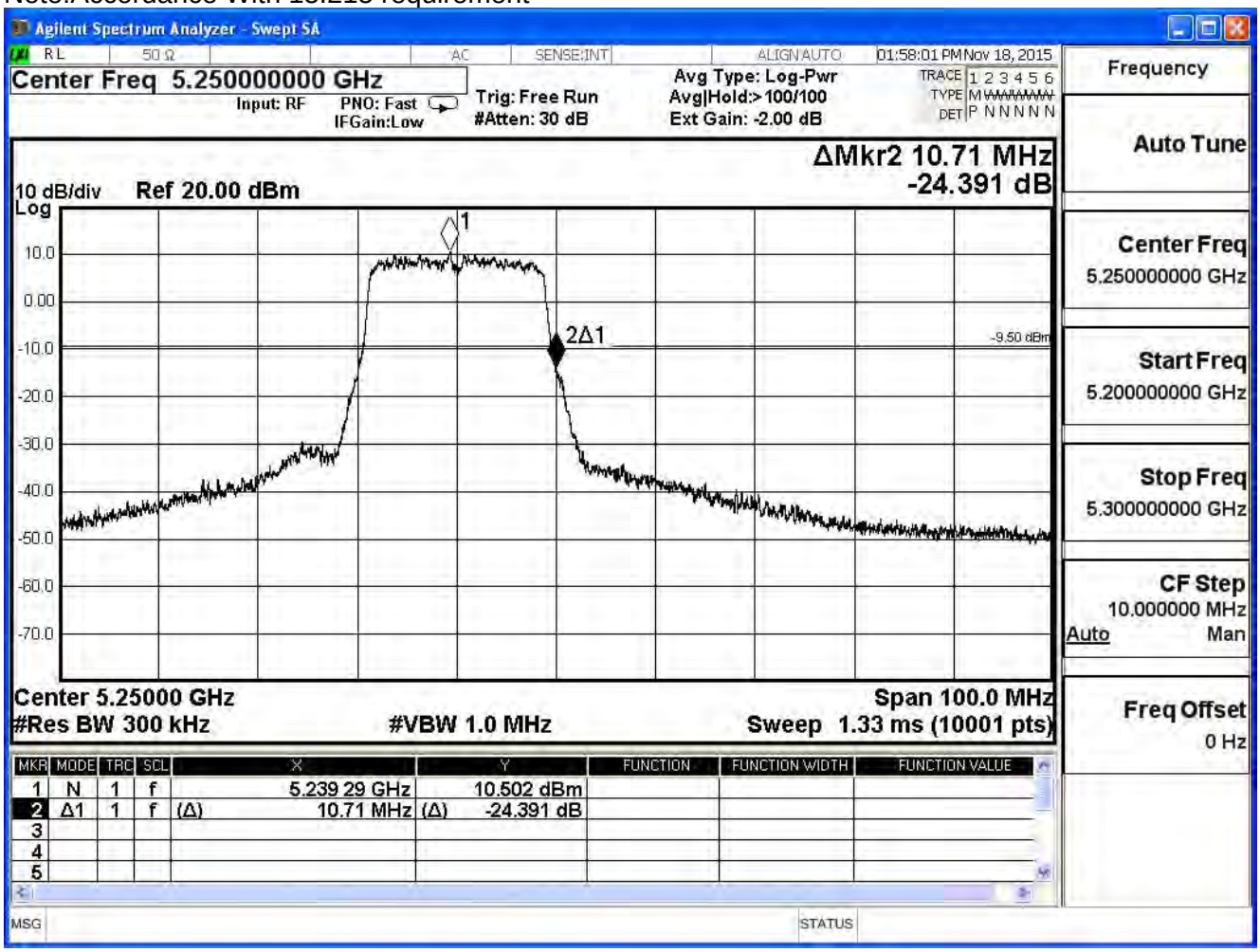
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading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

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Band edge Data		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11n_20M(ANT 0)

Test Frequency (MHz)	Measurement Level (dBc)	Limit (dBc)	Result
5240	24.391	>20	PASS

Note:Accordance With 15.215 requirement

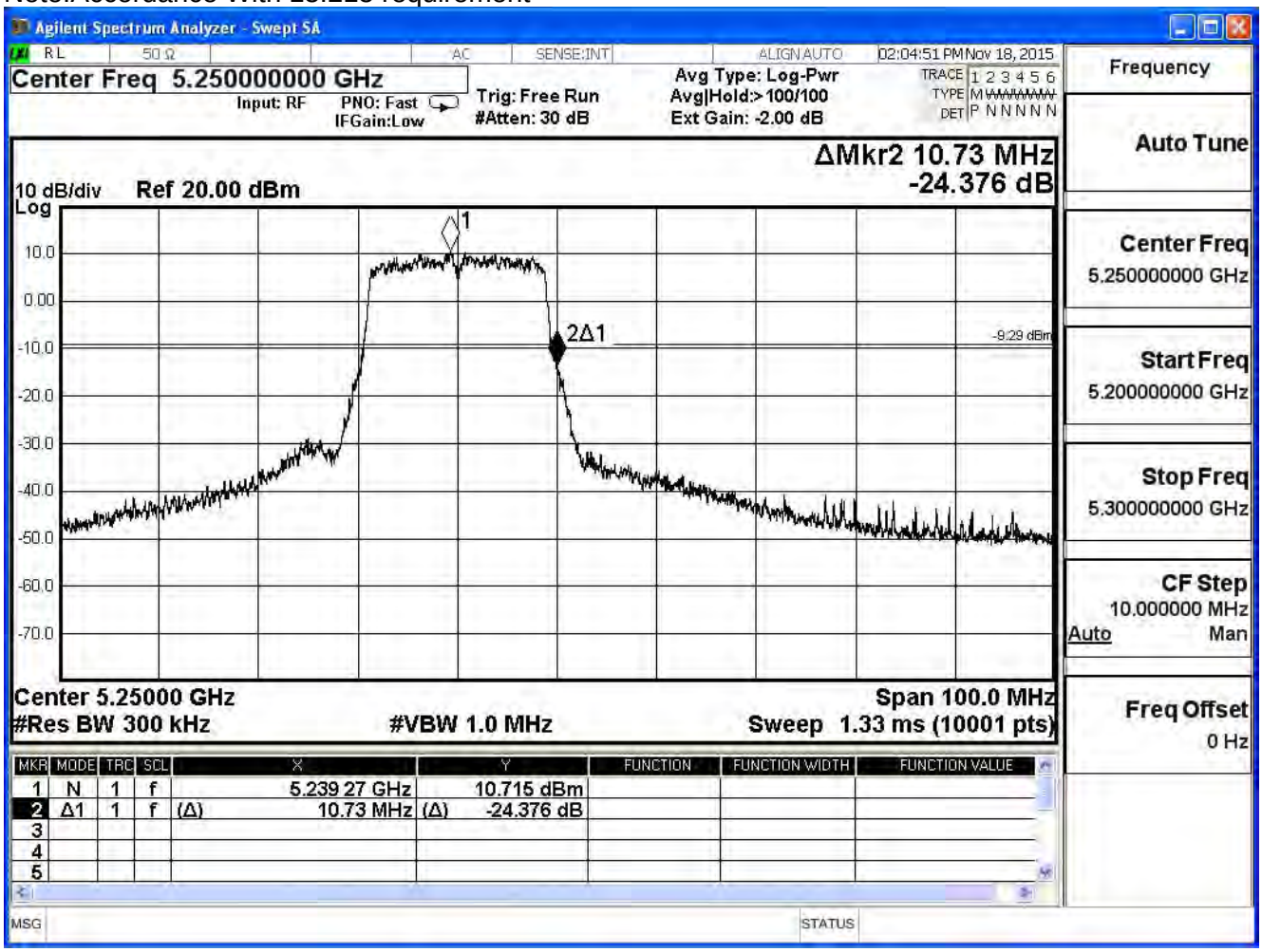


Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Band edge Data		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11n_20M(ANT 1)

Test Frequency (MHz)	Measurement Level (dBc)	Limit (dBc)	Result
5240	24.376	>20	PASS

Note:Accordance With 15.215 requirement

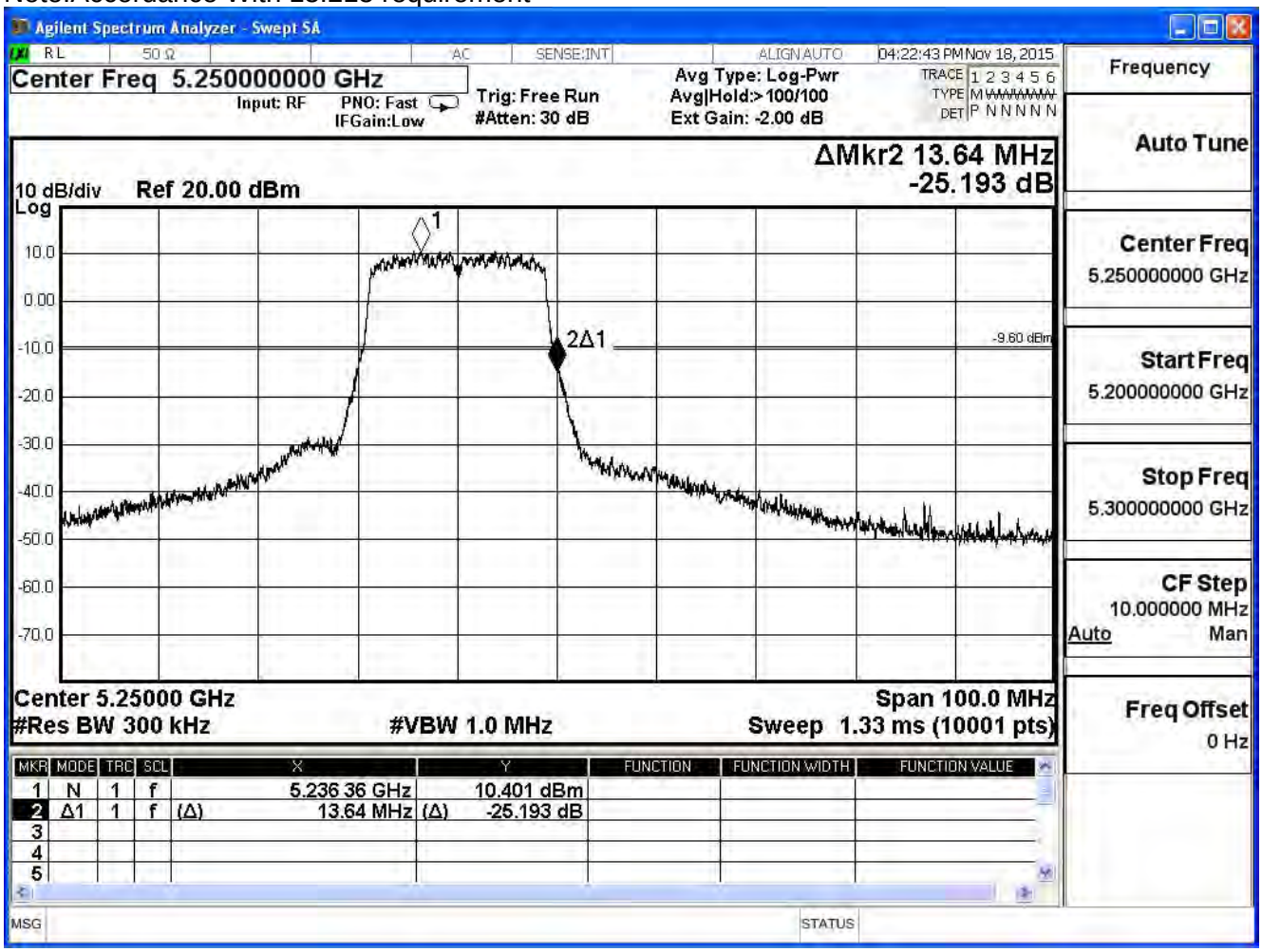


Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Band edge Data		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11n_20M(ANT 2)

Test Frequency (MHz)	Measurement Level (dBc)	Limit (dBc)	Result
5240	25.193	>20	PASS

Note:Accordance With 15.215 requirement

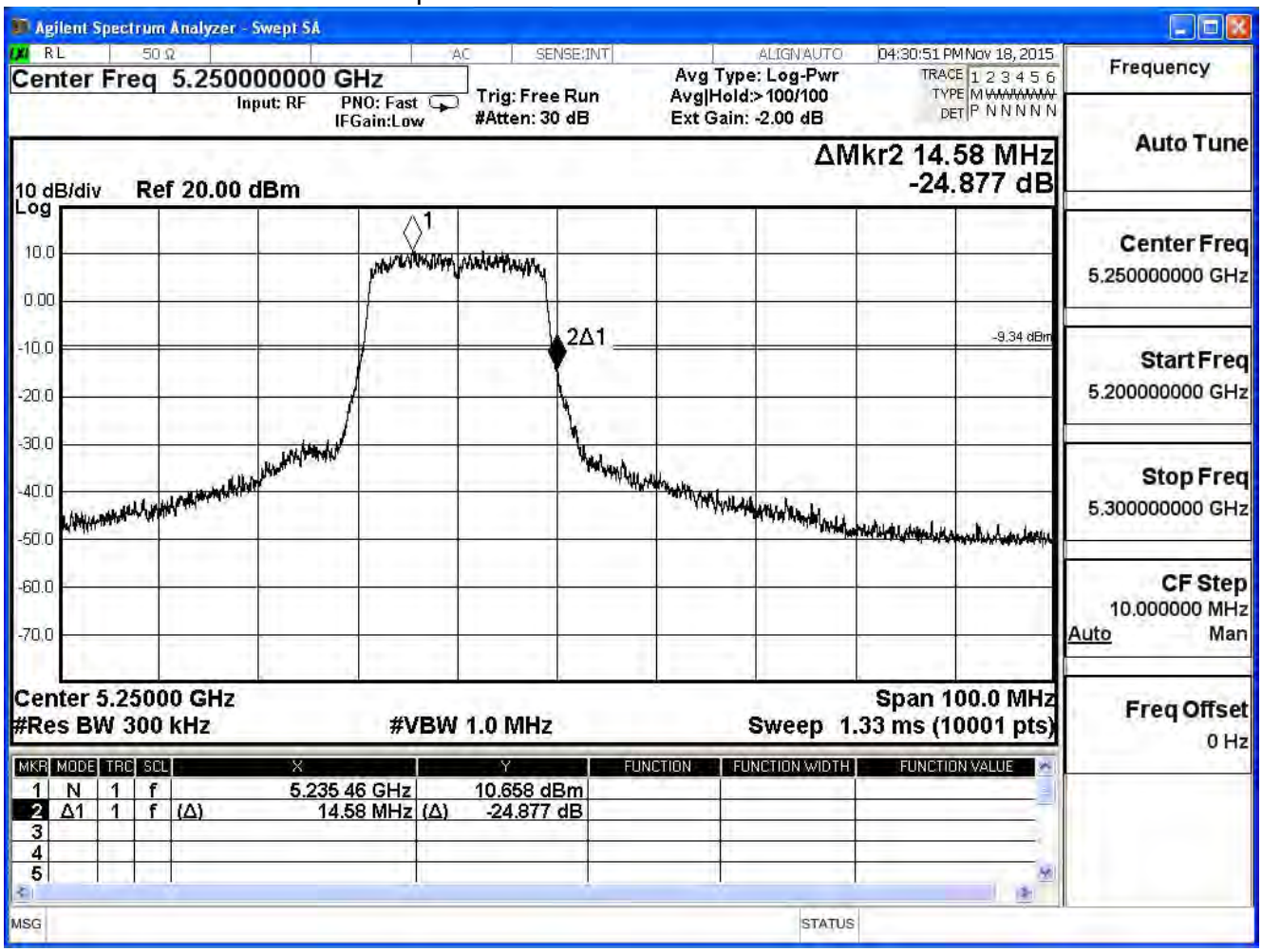


Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Band edge Data		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

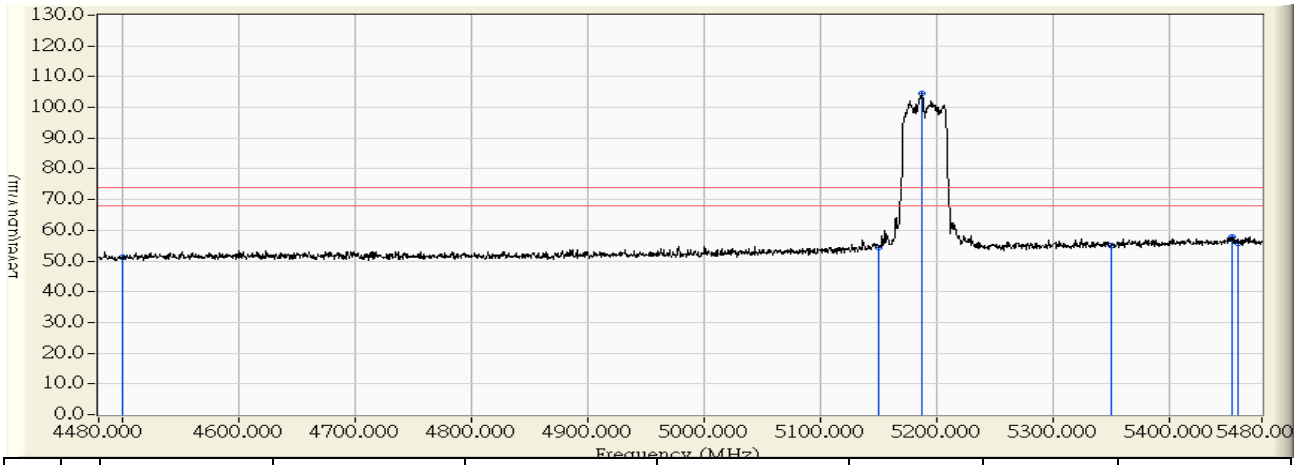
IEEE 802.11n_20M(ANT 3)

Test Frequency (MHz)	Measurement Level (dBc)	Limit (dBc)	Result
5240	24.877	>20	PASS

Note:Accordance With 15.215 requirement



Site : CB1	**Time : 2015/11/16 - 19:06**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11n(40M)_5190MHz**

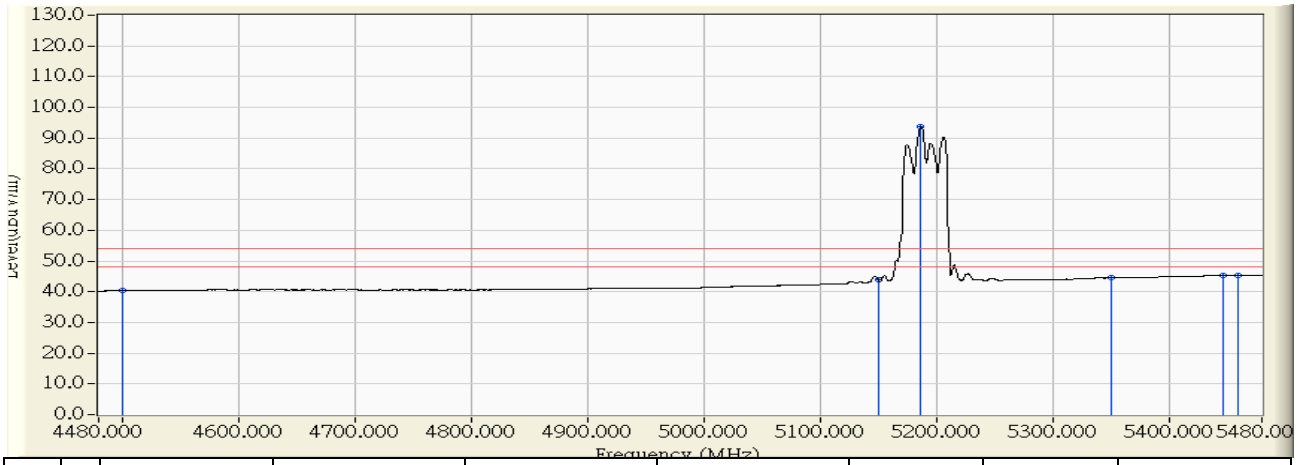


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-3.428	54.674	51.246	-22.754	74.000	PEAK
2		5150.000	-0.737	54.971	54.233	-19.767	74.000	PEAK
3	*	5187.500	-0.424	104.849	104.425	30.425	74.000	PEAK
4		5350.000	0.934	53.969	54.903	-19.097	74.000	PEAK
5		5454.000	1.803	56.135	57.938	-16.062	74.000	PEAK
6		5460.000	1.853	53.828	55.681	-18.319	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 : 2015/11/16 - 19:04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11n(40M)_5190MHz**

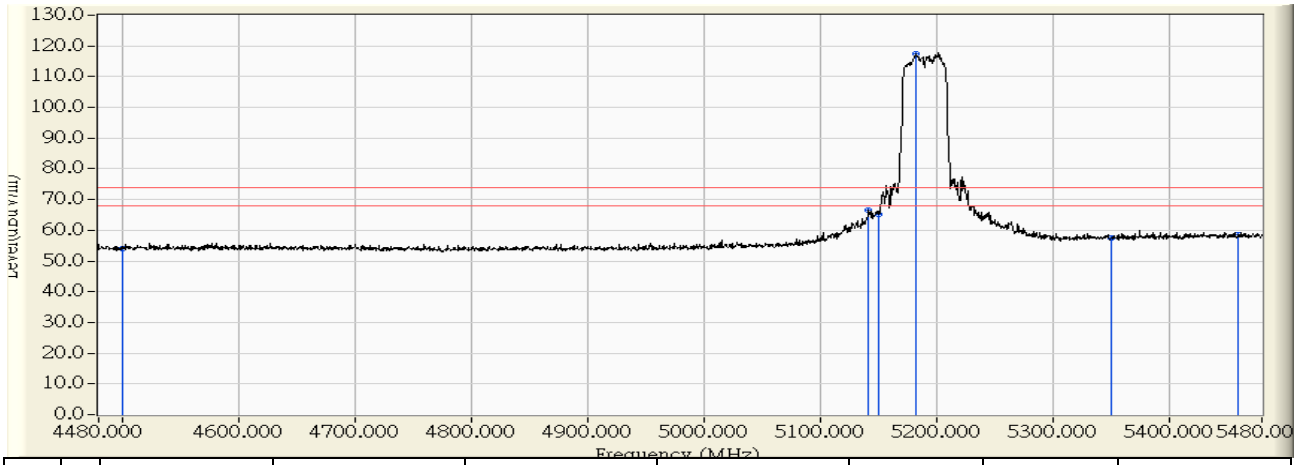


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-3.428	43.792	40.364	-13.636	54.000	AVERAGE
2		5150.000	-0.737	44.795	44.057	-9.943	54.000	AVERAGE
3	*	5187.000	-0.428	94.019	93.591	39.591	54.000	AVERAGE
4		5350.000	0.934	43.532	44.466	-9.534	54.000	AVERAGE
5		5446.500	1.739	43.497	45.237	-8.763	54.000	AVERAGE
6		5460.000	1.853	43.391	45.244	-8.756	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 : 2015/11/16 - 18:57**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11n(40M)_5190MHz**

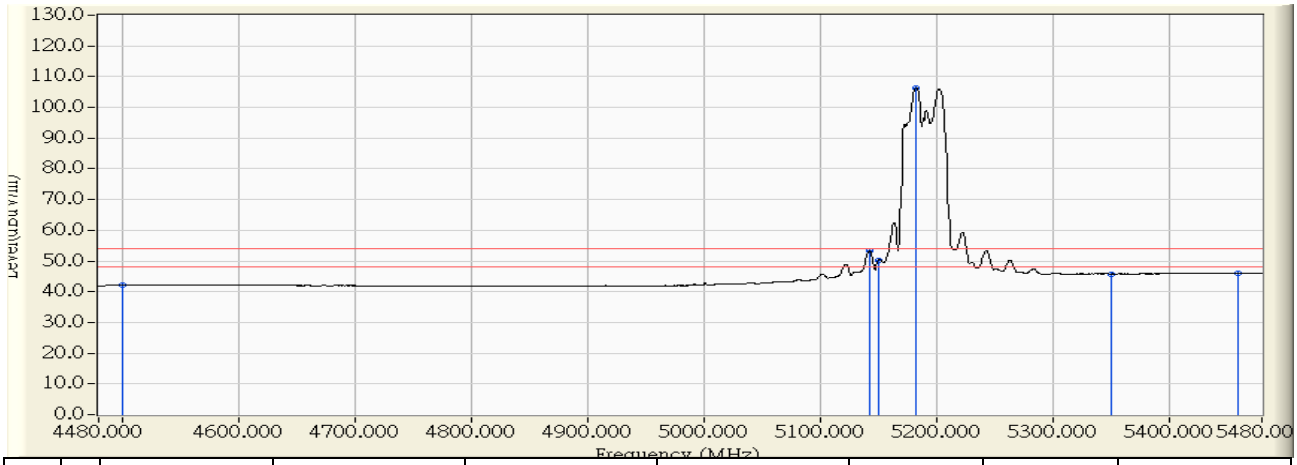


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.721	55.837	54.116	-19.884	74.000	PEAK
2		5142.000	-0.384	66.894	66.510	-7.490	74.000	PEAK
3		5150.000	-0.321	65.482	65.161	-8.839	74.000	PEAK
4	*	5183.000	-0.062	117.384	117.322	43.322	74.000	PEAK
5		5350.000	1.250	56.420	57.670	-16.330	74.000	PEAK
6		5460.000	2.114	56.278	58.392	-15.608	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 : 2015/11/16 - 18:54**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11n(40M)_5190MHz**

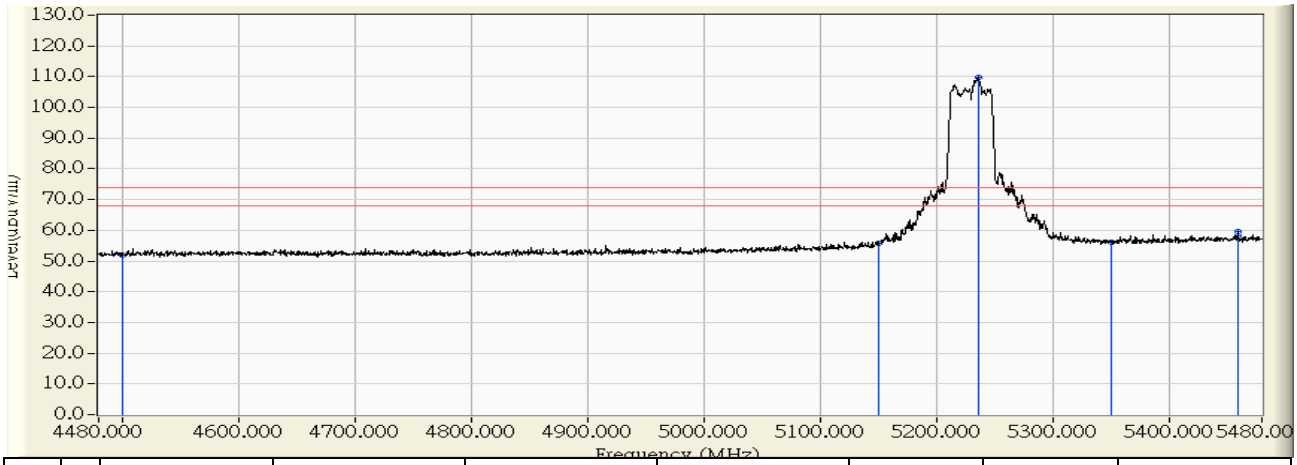


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.721	43.809	42.088	-11.912	54.000	AVERAGE
2		5142.500	-0.380	53.531	53.151	-0.849	54.000	AVERAGE
3		5150.000	-0.321	50.395	50.074	-3.926	54.000	AVERAGE
4	*	5183.000	-0.062	106.446	106.384	52.384	54.000	AVERAGE
5		5350.000	1.250	44.545	45.795	-8.205	54.000	AVERAGE
6		5460.000	2.114	43.932	46.046	-7.954	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 : 2015/11/16 - 20:21**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11n(40M)_5230MHz**

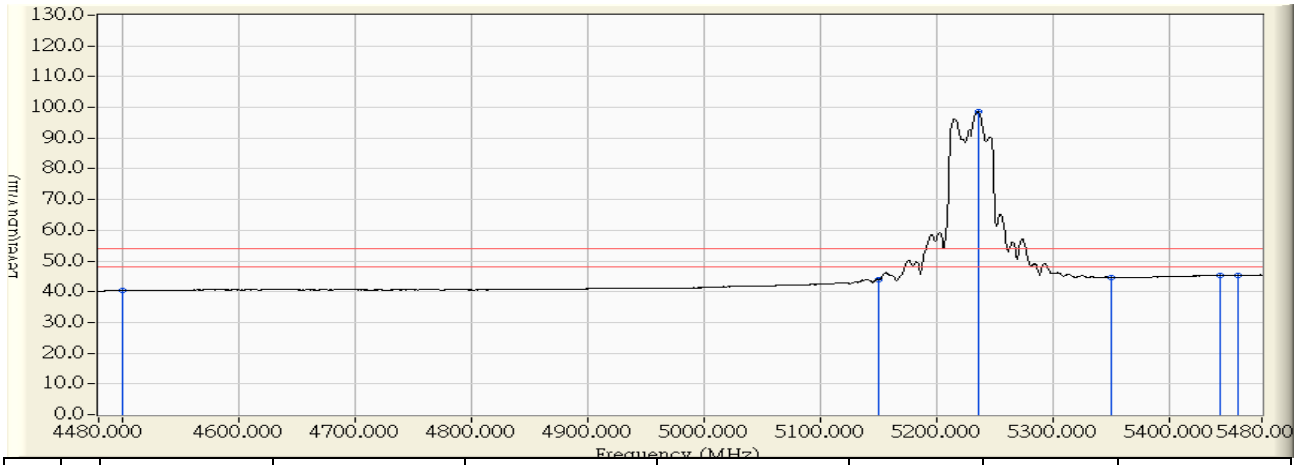


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-3.428	55.497	52.069	-21.931	74.000	PEAK
2		5150.000	-0.737	56.361	55.623	-18.377	74.000	PEAK
3	*	5236.000	-0.020	109.858	109.839	35.839	74.000	PEAK
4		5350.000	0.934	55.210	56.144	-17.856	74.000	PEAK
5		5459.000	1.844	57.752	59.596	-14.404	74.000	PEAK
6		5460.000	1.853	56.235	58.088	-15.912	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 : 2015/11/16 - 20:19**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11n(40M)_5230MHz**

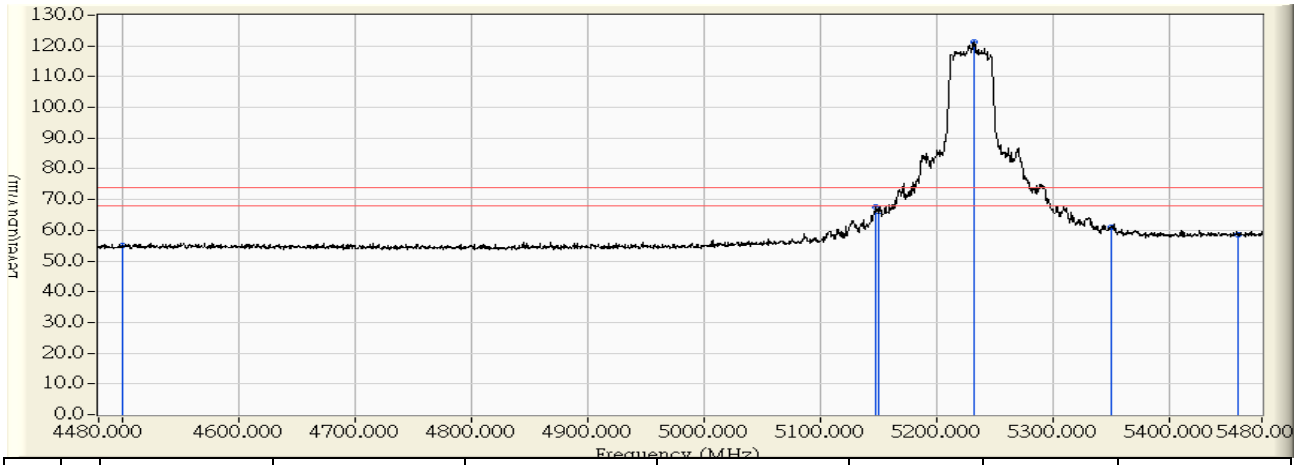


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-3.428	43.822	40.394	-13.606	54.000	AVERAGE
2		5150.000	-0.737	44.765	44.027	-9.973	54.000	AVERAGE
3	*	5236.000	-0.020	98.805	98.786	44.786	54.000	AVERAGE
4		5350.000	0.934	43.649	44.583	-9.417	54.000	AVERAGE
5		5443.500	1.715	43.554	45.269	-8.731	54.000	AVERAGE
6		5460.000	1.853	43.463	45.316	-8.684	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 : 2015/11/16 - 20:08**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11n(40M)_5230MHz**

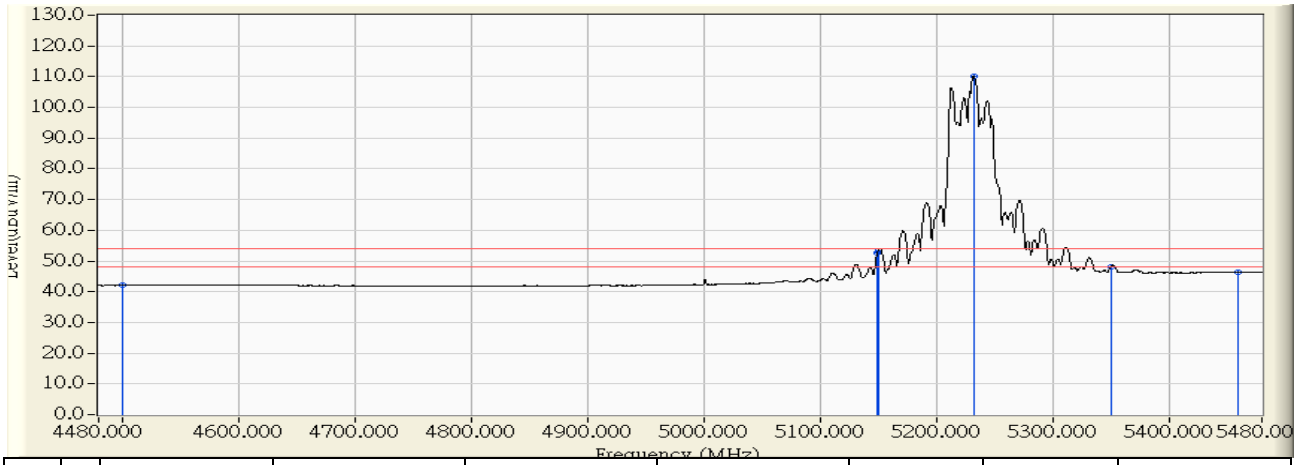


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.721	56.811	55.090	-18.910	74.000	PEAK
2		5148.000	-0.336	68.060	67.723	-6.277	74.000	PEAK
3		5150.000	-0.321	66.457	66.136	-7.864	74.000	PEAK
4	*	5232.500	0.327	120.790	121.117	47.117	74.000	PEAK
5		5350.000	1.250	59.852	61.102	-12.898	74.000	PEAK
6		5460.000	2.114	56.456	58.570	-15.430	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 : 2015/11/16 - 20:00**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11n(40M)_5230MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.721	43.878	42.157	-11.843	54.000	AVERAGE
2		5149.500	-0.325	52.893	52.568	-1.432	54.000	AVERAGE
3		5150.000	-0.321	53.479	53.158	-0.842	54.000	AVERAGE
4	*	5232.000	0.323	109.771	110.094	56.094	54.000	AVERAGE
5		5350.000	1.250	46.874	48.124	-5.876	54.000	AVERAGE
6		5460.000	2.114	44.174	46.288	-7.712	54.000	AVERAGE

Note:

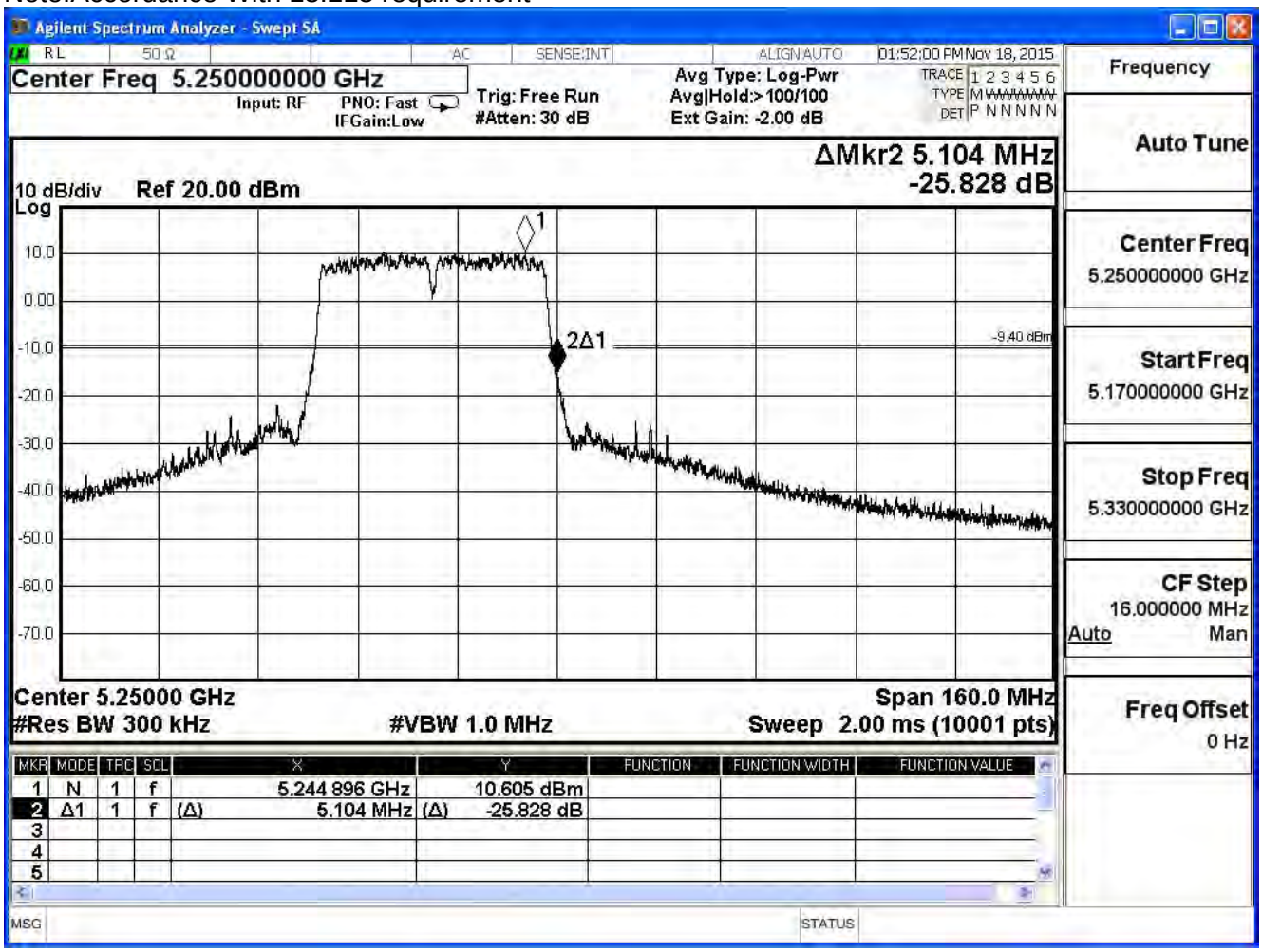
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading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

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Band edge Data		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11n_40M(ANT 0)

Test Frequency (MHz)	Measurement Level (dBc)	Limit (dBc)	Result
5230	25.828	>20	PASS

Note:Accordance With 15.215 requirement

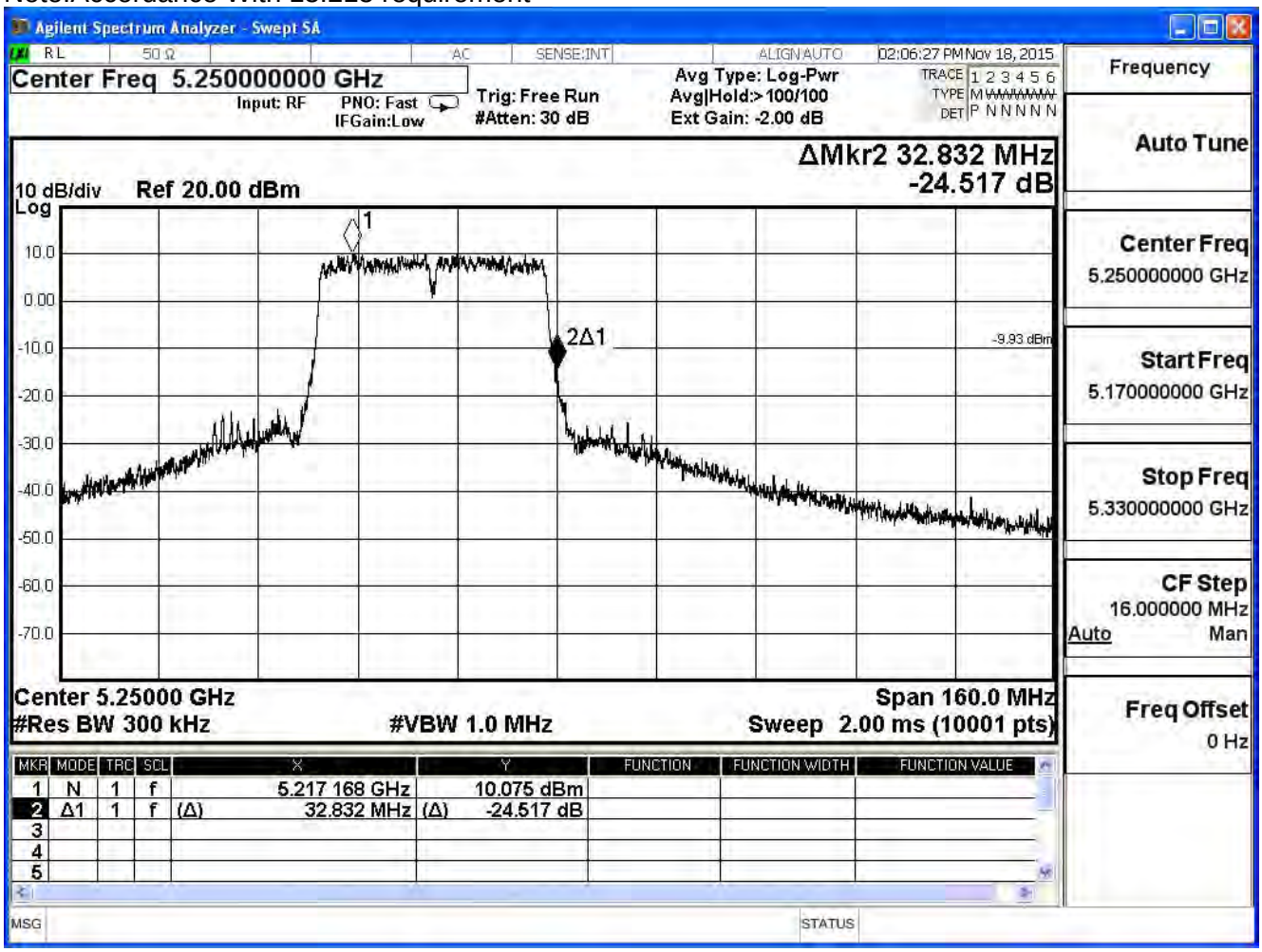


Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Band edge Data		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11n_40M(ANT 1)

Test Frequency (MHz)	Measurement Level (dBc)	Limit (dBc)	Result
5230	24.517	>20	PASS

Note:Accordance With 15.215 requirement

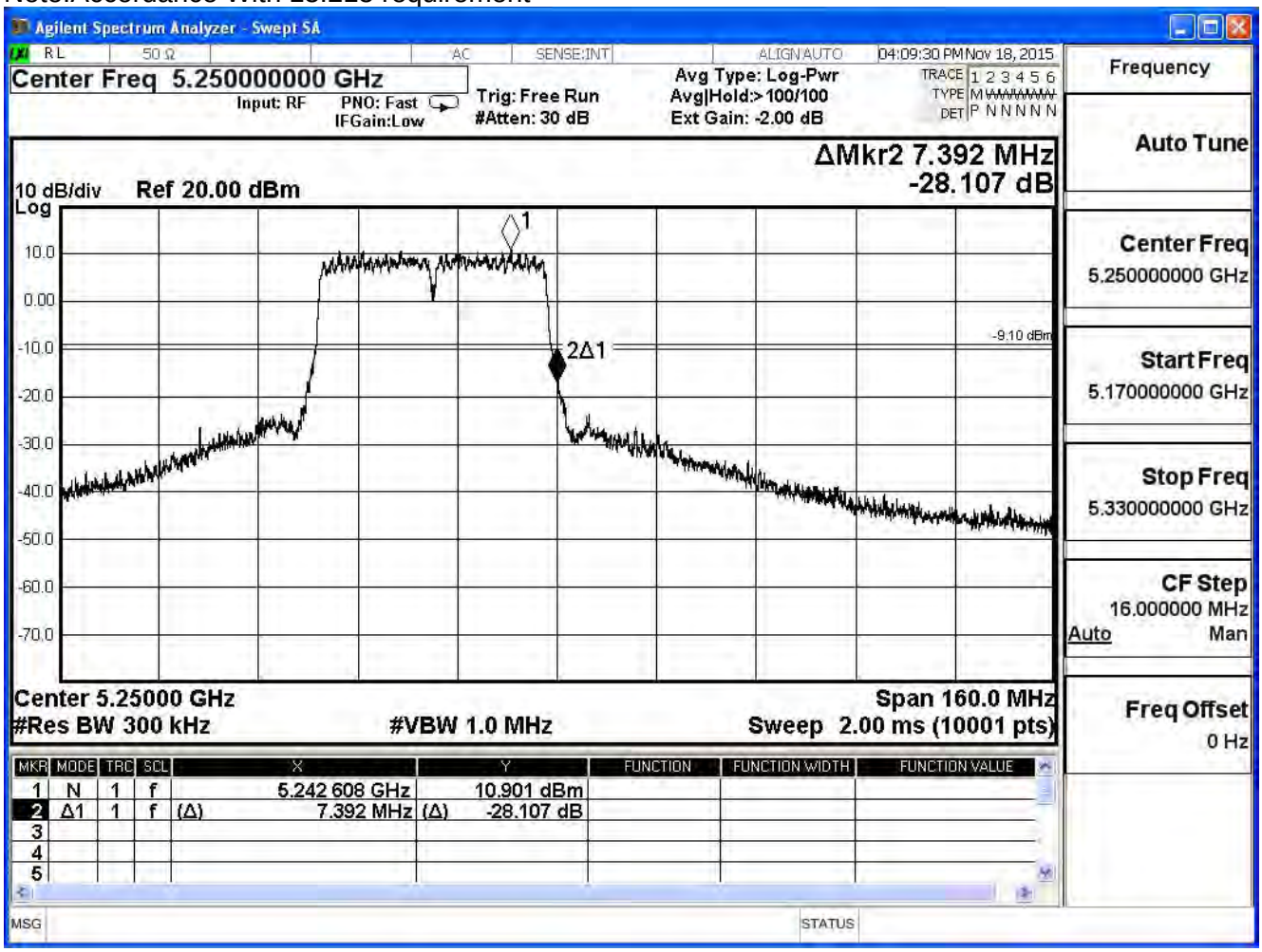


Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Band edge Data		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11n_40M(ANT 2)

Test Frequency (MHz)	Measurement Level (dBc)	Limit (dBc)	Result
5230	28.107	>20	PASS

Note:Accordance With 15.215 requirement

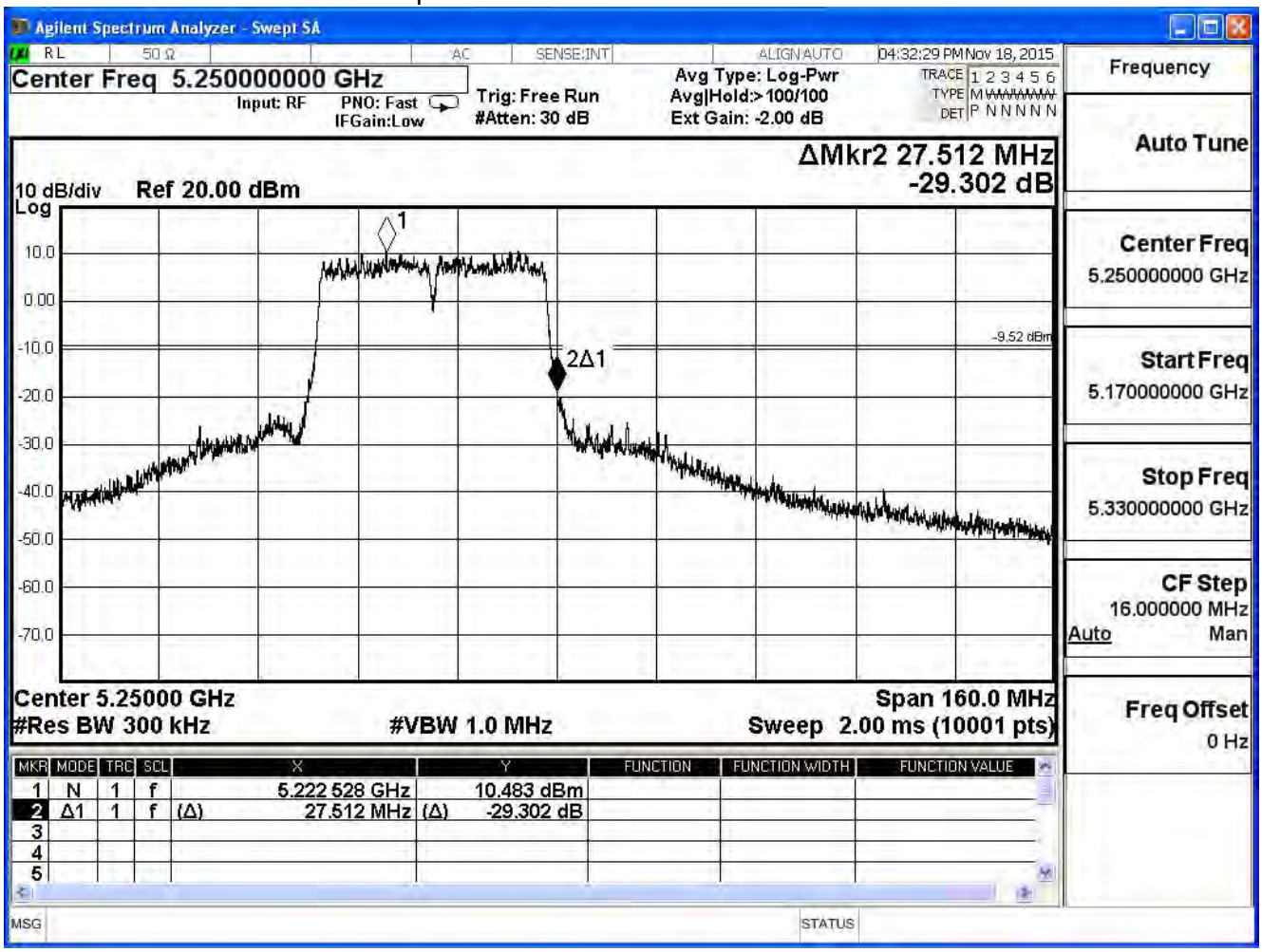


Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Band edge Data		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

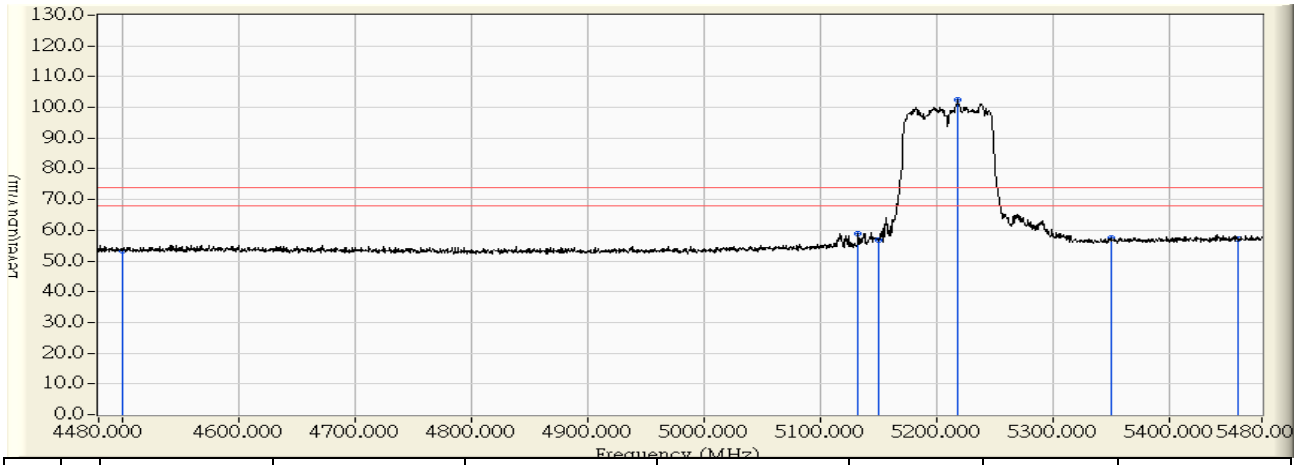
IEEE 802.11n_40M(ANT 3)

Test Frequency (MHz)	Measurement Level (dBc)	Limit (dBc)	Result
5230	29.302	>20	PASS

Note:Accordance With 15.215 requirement



Site : CB1	**Time : 2015/11/16 - 21:48**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11ac(80M)_5210MHz**

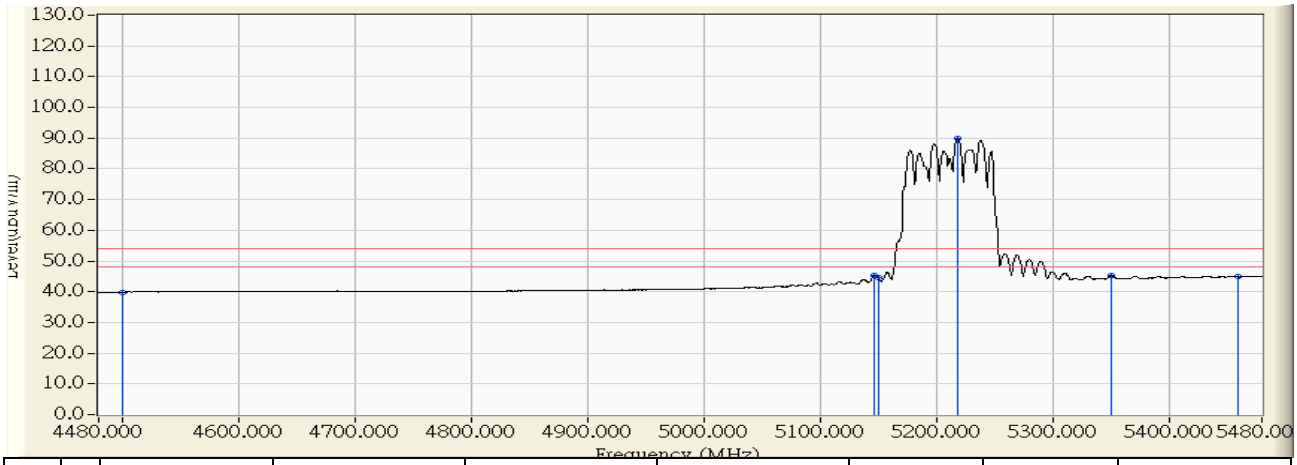


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.721	55.122	53.401	-20.599	74.000	PEAK
2		5133.000	-0.455	59.389	58.934	-15.066	74.000	PEAK
3		5150.000	-0.321	57.157	56.836	-17.164	74.000	PEAK
4	*	5218.500	0.217	102.184	102.401	28.401	74.000	PEAK
5		5350.000	1.250	56.187	57.437	-16.563	74.000	PEAK
6		5460.000	2.114	54.933	57.047	-16.953	74.000	PEAK

Note:

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

Site : CB1	**Time : 2015/11/16 - 21:46**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11ac(80M)_5210MHz**

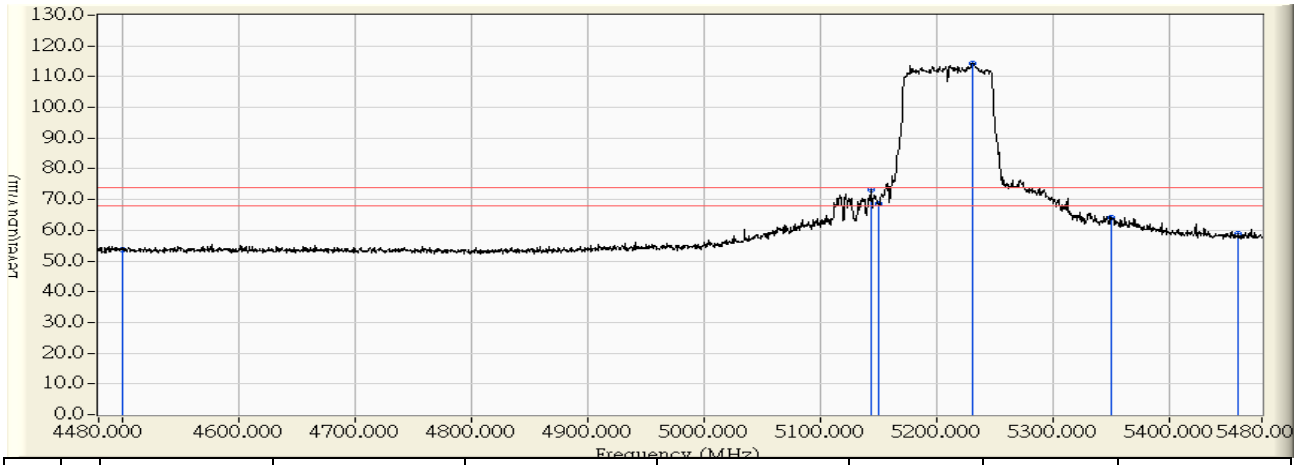


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-3.428	43.299	39.871	-14.129	54.000	AVERAGE
2		5146.500	-0.768	46.068	45.301	-8.699	54.000	AVERAGE
3		5150.000	-0.737	45.339	44.601	-9.399	54.000	AVERAGE
4	*	5218.500	-0.165	90.007	89.842	35.842	54.000	AVERAGE
5		5350.000	0.934	44.265	45.199	-8.801	54.000	AVERAGE
6		5460.000	1.853	42.935	44.788	-9.212	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 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 : 2015/11/16 - 20:49**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11ac(80M)_5210MHz**

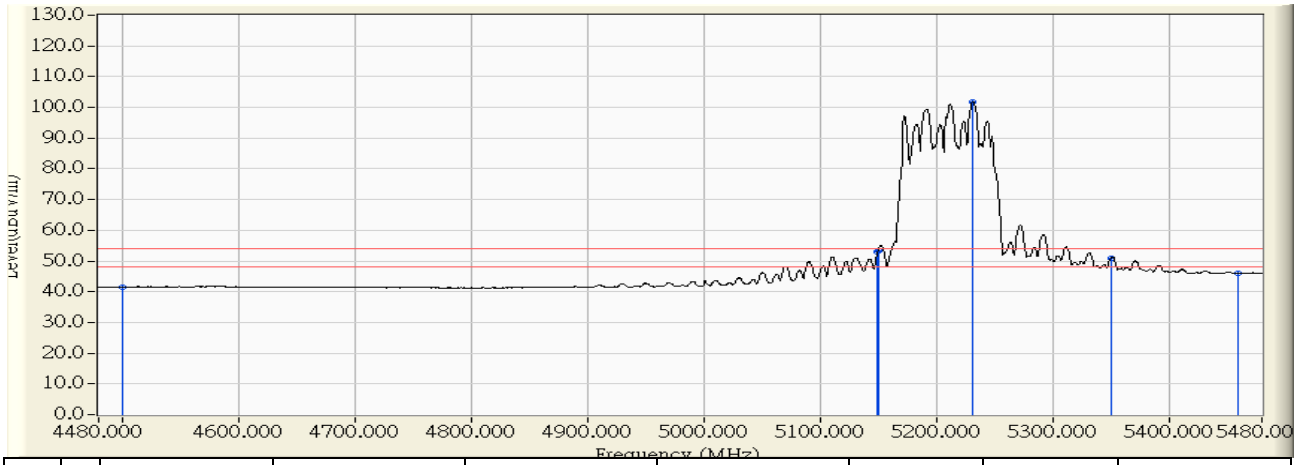


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.721	55.321	53.600	-20.400	74.000	PEAK
2		5143.500	-0.372	73.602	73.230	-0.770	74.000	PEAK
3		5150.000	-0.321	68.810	68.489	-5.511	74.000	PEAK
4	*	5231.500	0.319	114.155	114.474	40.474	74.000	PEAK
5		5350.000	1.250	62.960	64.210	-9.790	74.000	PEAK
6		5460.000	2.114	56.656	58.770	-15.230	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 : 2015/11/16 - 20:47**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless-AC2600 Dual WAN VPN Wireless Router	**Note : Mode 1: Transmit_CDD Mode_Adapter 1 802.11ac(80M)_5210MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.721	43.348	41.627	-12.373	54.000	AVERAGE
2		5149.500	-0.325	53.131	52.806	-1.194	54.000	AVERAGE
3		5150.000	-0.321	53.772	53.451	-0.549	54.000	AVERAGE
4	*	5231.500	0.319	101.455	101.774	47.774	54.000	AVERAGE
5		5350.000	1.250	49.666	50.916	-3.084	54.000	AVERAGE
6		5460.000	2.114	43.797	45.911	-8.089	54.000	AVERAGE

Note:

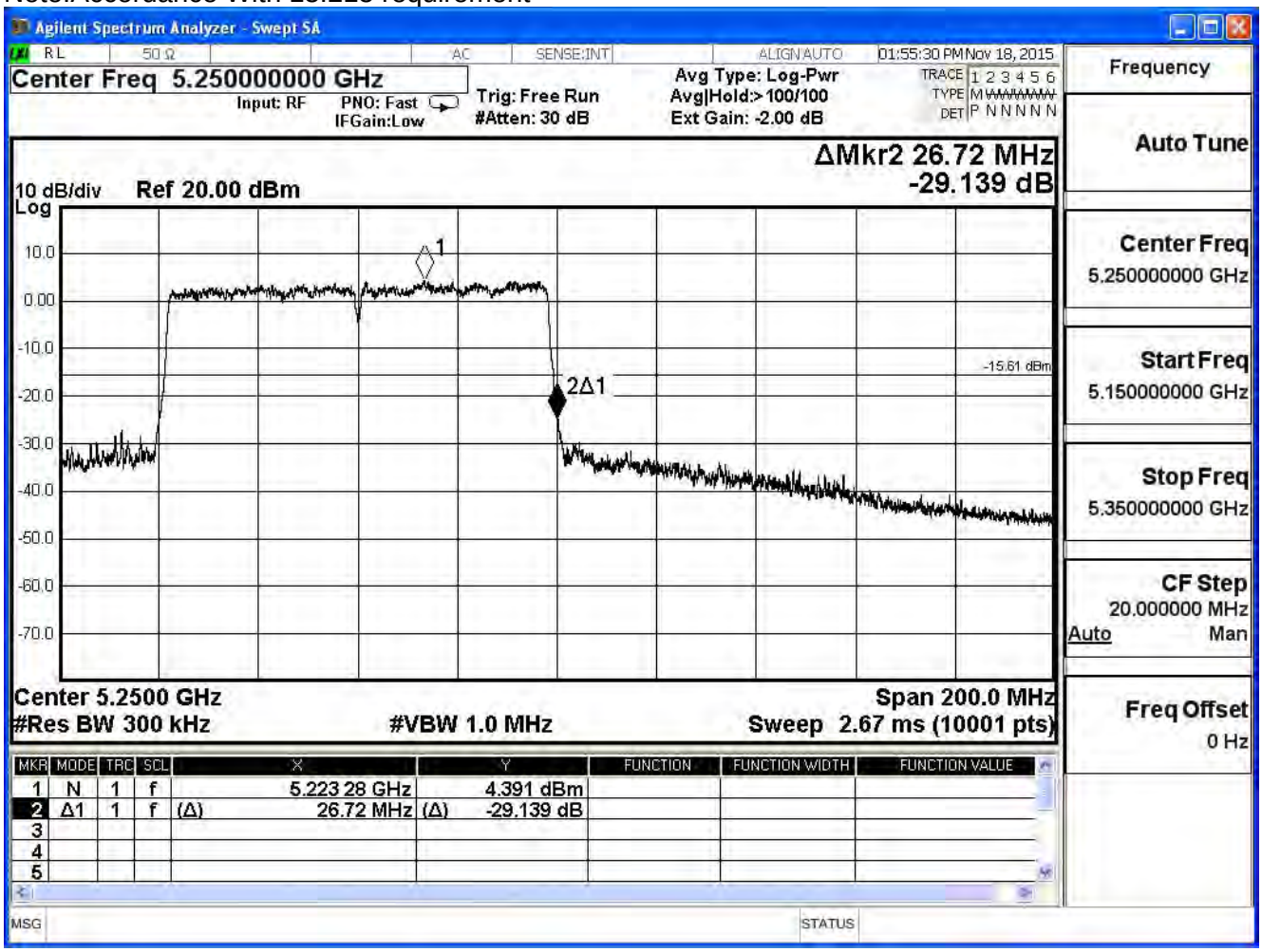
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading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

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Band edge Data		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11ac(80MHz)(ANT 0)

Test Frequency (MHz)	Measurement Level (dBc)	Limit (dBc)	Result
5210	29.139	>20	PASS

Note:Accordance With 15.215 requirement

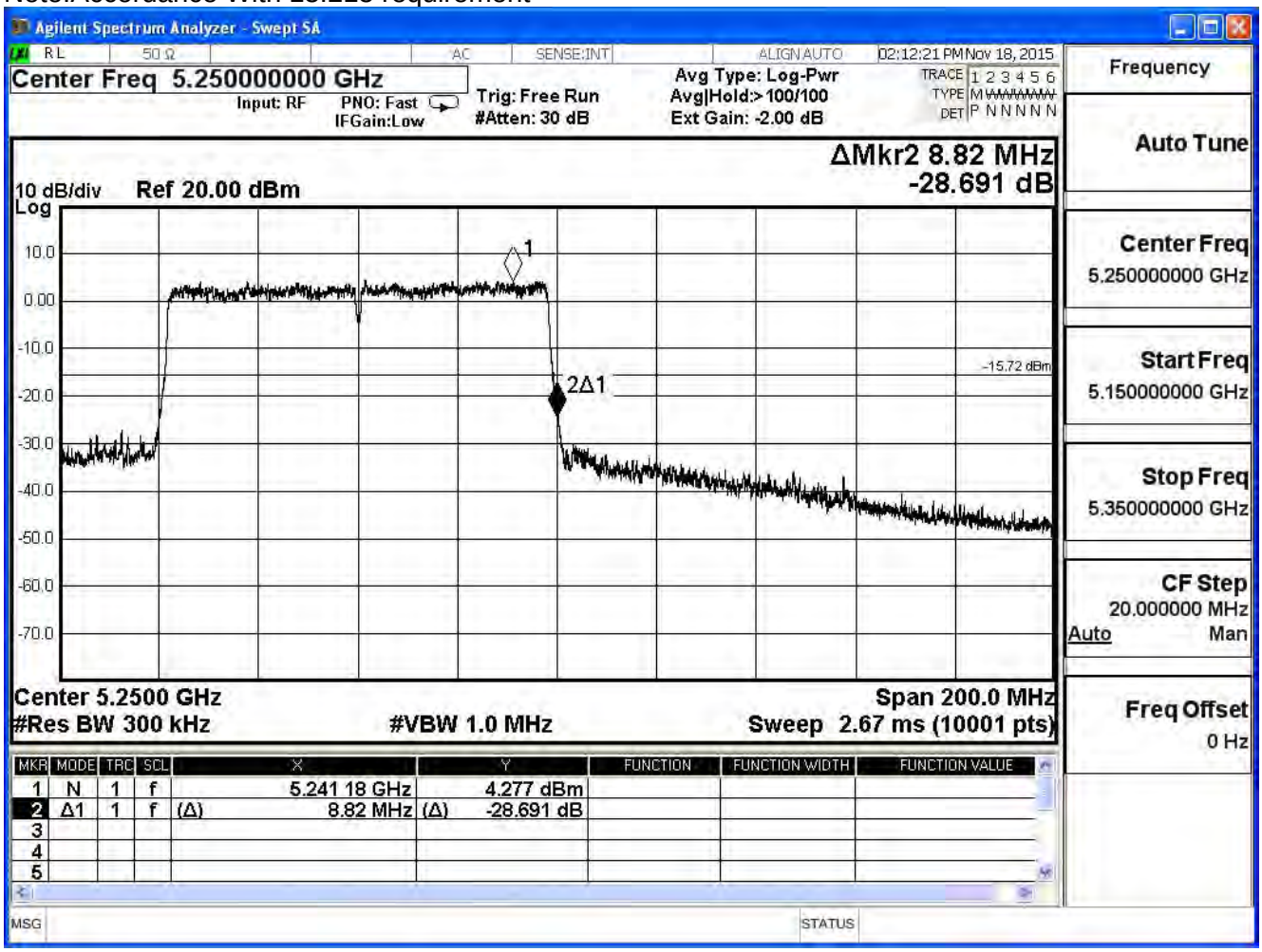


Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Band edge Data		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11ac(80MHz)(ANT 1)

Test Frequency (MHz)	Measurement Level (dBc)	Limit (dBc)	Result
5210	28.691	>20	PASS

Note:Accordance With 15.215 requirement

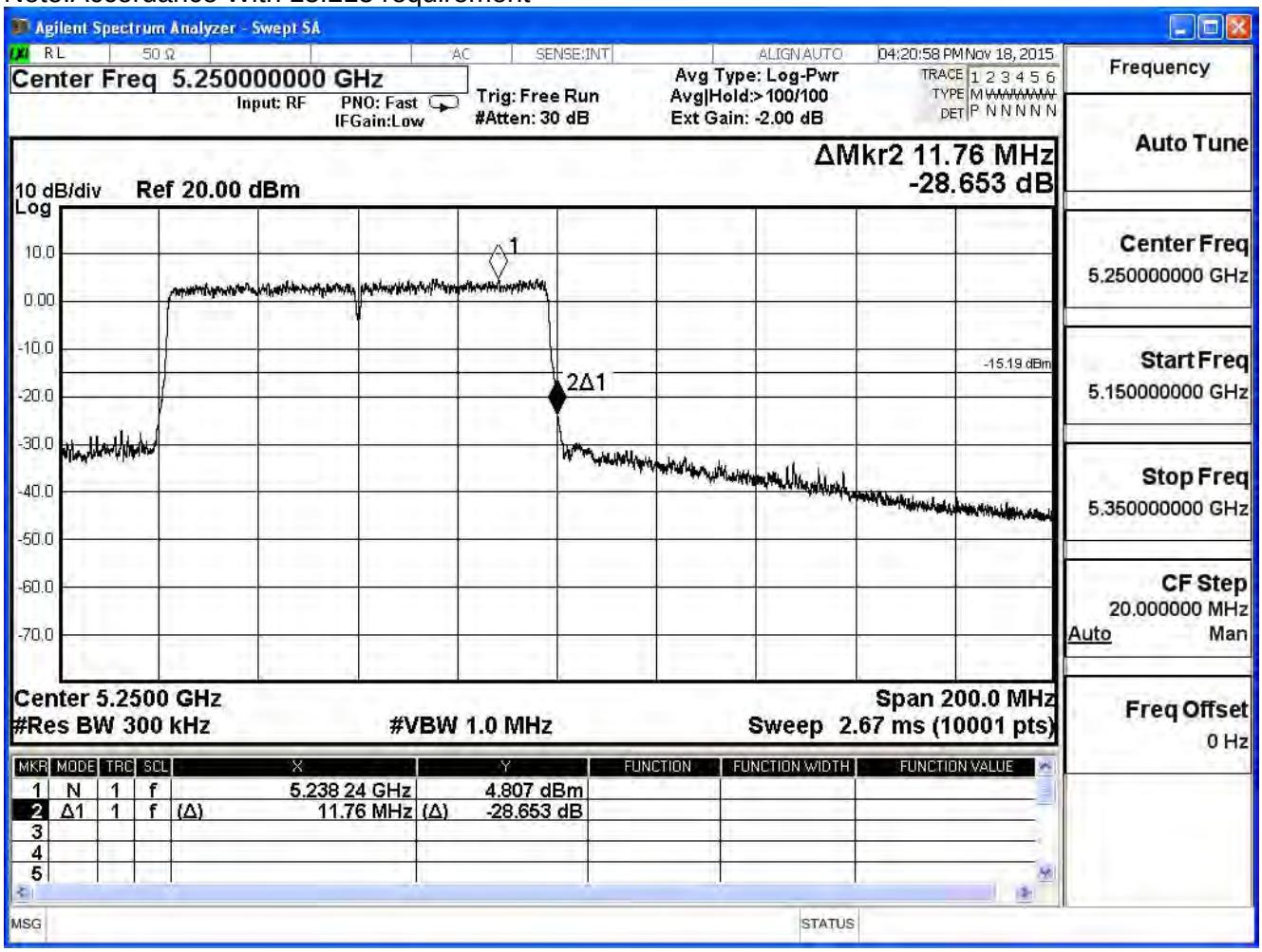


Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Band edge Data		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11ac(80MHz)(ANT 2)

Test Frequency (MHz)	Measurement Level (dBc)	Limit (dBc)	Result
5210	28.653	>20	PASS

Note:Accordance With 15.215 requirement

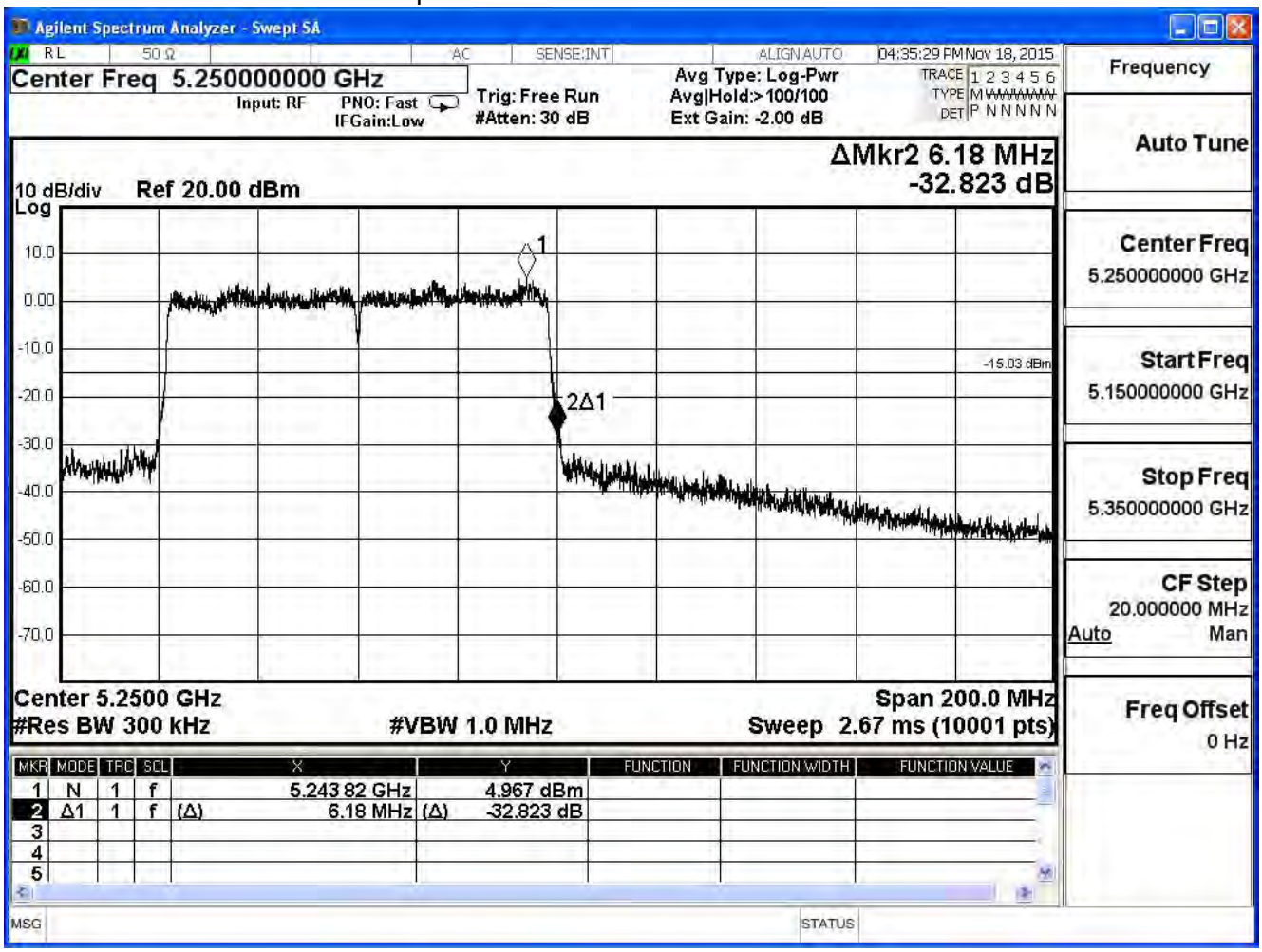


Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Band edge Data		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1		
Date of Test	2015/11/18	Test Site	SR7

IEEE 802.11ac(80MHz)(ANT 3)

Test Frequency (MHz)	Measurement Level (dBc)	Limit (dBc)	Result
5210	32.823	>20	PASS

Note:Accordance With 15.215 requirement



8. Frequency Stability

8.1. Test Equipment

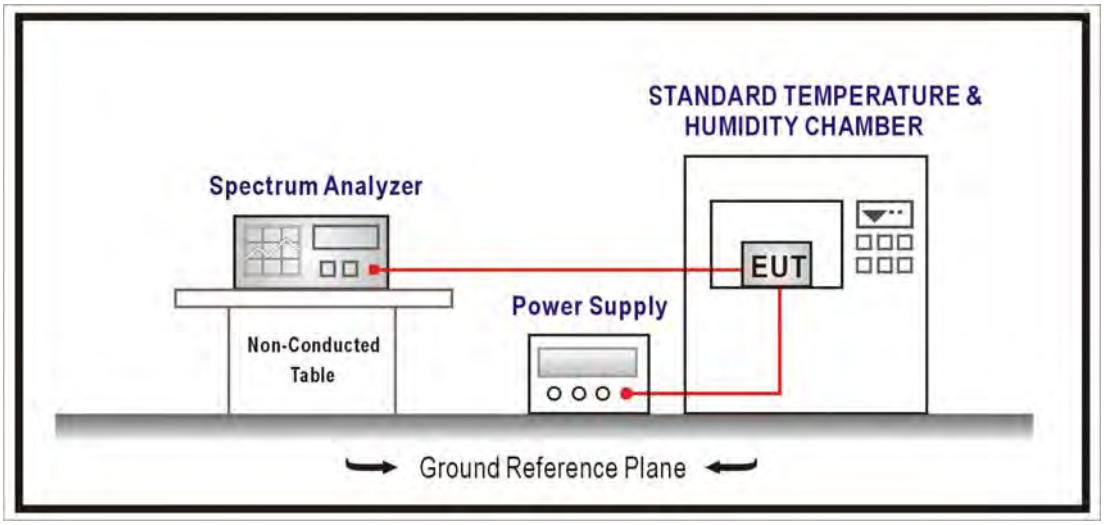
The following test equipments are used during the radiated emission tests:

Frequency Stability / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2016/07/13
Temperature & Humidity Chamber	WIT	TH-1S-B	1082101	2016/01/22

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

8.2. Test Setup



8.3. Limits

Manufactures of aII 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 for compliance to FCC 47CFR Subpart E requirements.

8.5. Uncertainty

The measurement uncertainty is defined as ± 150 Hz

8.6. Test Result

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1 - 802.11a - 5180MHz(ANT 0)		
Date of Test	2015/11/19	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5180.0146	2.8218	PASS
-10		5180.0123	2.3734	PASS
0		5179.9197	-15.5004	PASS
10		5179.9663	-6.4971	PASS
20		5179.9120	-16.9949	PASS
30		5179.9520	-9.2707	PASS
40		5179.9846	-2.9655	PASS
50		5179.8975	-19.7915	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5179.9432	-10.9651	PASS
	120	5179.9715	-5.4973	PASS
	138	5179.8880	-21.6282	PASS

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1 - 802.11a - 5240MHz(ANT 0)		
Date of Test	2015/11/19	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5240.0147	2.7993	PASS
-10		5240.0971	18.5231	PASS
0		5239.9762	-4.5391	PASS
10		5239.9176	-15.7246	PASS
20		5239.9685	-6.0084	PASS
30		5239.8750	-23.8467	PASS
40		5239.9894	-2.0225	PASS
50		5239.9452	-10.4494	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5239.9932	-1.2912	PASS
	120	5239.9374	-11.9385	PASS
	138	5240.0742	14.1674	PASS

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1 - 802.11a - 5180MHz(ANT 1)		
Date of Test	2015/11/19	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5180.0367	7.0903	PASS
-10		5180.1346	25.9870	PASS
0		5179.8880	-21.6126	PASS
10		5179.9159	-16.2308	PASS
20		5179.9413	-11.3355	PASS
30		5179.8994	-19.4160	PASS
40		5179.9330	-12.9423	PASS
50		5179.9303	-13.4561	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5179.9426	-11.0898	PASS
	120	5180.0185	3.5683	PASS
	138	5179.8488	-29.1958	PASS

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1 - 802.11a - 5240MHz(ANT 1)		
Date of Test	2015/11/19	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5240.0108	2.0682	PASS
-10		5240.0555	10.5924	PASS
0		5239.9321	-12.9565	PASS
10		5239.9396	-11.5352	PASS
20		5239.9367	-12.0852	PASS
30		5239.8549	-27.6865	PASS
40		5239.9964	-0.6814	PASS
50		5239.9614	-7.3723	PASS

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5239.9186	-15.5315	PASS
	120	5240.0082	1.5654	PASS
	138	5239.9160	-16.0345	PASS

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1 - 802.11a - 5180MHz(ANT 2)		
Date of Test	2015/11/19	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5180.0208	4.0077	PASS
-10		5180.0084	1.6268	PASS
0		5179.9820	-3.4781	PASS
10		5179.9578	-8.1549	PASS
20		5179.9401	-11.5571	PASS
30		5179.9156	-16.2976	PASS
40		5179.9934	-1.2662	PASS
50		5179.9953	-0.9022	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5179.9407	-11.4553	PASS
	120	5180.0178	3.4369	PASS
	138	5179.9988	-0.2280	PASS

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1 - 802.11a - 5240MHz(ANT 2)		
Date of Test	2015/11/19	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5240.0452	8.6285	PASS
-10		5240.1370	26.1518	PASS
0		5239.8925	-20.5074	PASS
10		5239.8761	-23.6414	PASS
20		5239.9638	-6.9156	PASS
30		5239.8746	-23.9345	PASS
40		5239.9787	-4.0664	PASS
50		5239.9066	-17.8319	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5239.8984	-19.3951	PASS
	120	5240.0153	2.9174	PASS
	138	5240.0396	7.5655	PASS

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1 - 802.11a - 5180MHz(ANT 3)		
Date of Test	2015/11/19	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5180.0556	10.7345	PASS
-10		5180.0627	12.1061	PASS
0		5179.8856	-22.0944	PASS
10		5179.9776	-4.3204	PASS
20		5179.8857	-22.0668	PASS
30		5179.9995	-0.0903	PASS
40		5179.8599	-27.0476	PASS
50		5179.8478	-29.3769	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5180.0634	12.2321	PASS
	120	5180.0220	4.2471	PASS
	138	5179.9591	-7.8988	PASS

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1 - 802.11a - 5240MHz(ANT 3)		
Date of Test	2015/11/19	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5240.0316	6.0250	PASS
-10		5240.1004	19.1614	PASS
0		5239.9536	-8.8502	PASS
10		5239.8769	-23.4905	PASS
20		5239.9214	-14.9966	PASS
30		5239.9323	-12.9167	PASS
40		5239.8433	-29.8991	PASS
50		5239.8695	-24.9043	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5239.9794	-3.9263	PASS
	120	5240.0733	13.9956	PASS
	138	5239.8819	-22.5358	PASS

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1 - 802.11n_20M - 5180MHz(ANT 0)		
Date of Test	2015/11/19	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5180.0288	5.5609	PASS
-10		5180.0026	0.5115	PASS
0		5179.9499	-9.6704	PASS
10		5179.8761	-23.9175	PASS
20		5179.8716	-24.7831	PASS
30		5179.9476	-10.1249	PASS
40		5179.9152	-16.3661	PASS
50		5179.8376	-31.3439	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5179.9867	-2.5682	PASS
	120	5180.0026	0.5092	PASS
	138	5179.8891	-21.4035	PASS

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1 - 802.11n_20M - 5240MHz(ANT 0)		
Date of Test	2015/11/19	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5240.0153	2.9178	PASS
-10		5240.1459	27.8509	PASS
0		5239.9810	-3.6229	PASS
10		5239.9454	-10.4256	PASS
20		5239.9968	-0.6188	PASS
30		5239.8617	-26.3845	PASS
40		5239.9032	-18.4827	PASS
50		5239.9732	-5.1121	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5239.9390	-11.6422	PASS
	120	5240.0388	7.4065	PASS
	138	5240.0729	13.9175	PASS

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1 - 802.11n_20M - 5180MHz(ANT 1)		
Date of Test	2015/11/19	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5180.0015	0.2824	PASS
-10		5180.0342	6.5953	PASS
0		5179.9660	-6.5709	PASS
10		5179.8929	-20.6720	PASS
20		5179.9240	-14.6729	PASS
30		5179.8814	-22.8978	PASS
40		5179.9876	-2.3874	PASS
50		5179.9262	-14.2476	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5180.0909	17.5534	PASS
	120	5180.0742	14.3332	PASS
	138	5179.8591	-27.1927	PASS

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1 - 802.11n_20M - 5240MHz(ANT 1)		
Date of Test	2015/11/19	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5240.0348	6.6497	PASS
-10		5240.1380	26.3300	PASS
0		5239.8765	-23.5720	PASS
10		5239.9165	-15.9414	PASS
20		5239.8772	-23.4433	PASS
30		5239.9831	-3.2322	PASS
40		5239.8616	-26.4172	PASS
50		5239.9675	-6.2012	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5240.0145	2.7669	PASS
	120	5239.9723	-5.2809	PASS
	138	5239.8748	-23.8840	PASS

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1 - 802.11n_20M - 5180MHz (ANT 2)		
Date of Test	2015/11/19	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5180.0005	0.0888	PASS
-10		5180.0119	2.2995	PASS
0		5179.9379	-11.9898	PASS
10		5179.8795	-23.2552	PASS
20		5179.9713	-5.5427	PASS
30		5179.8874	-21.7384	PASS
40		5179.9847	-2.9452	PASS
50		5179.8953	-20.2147	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5179.8728	-24.5563	PASS
	120	5179.9649	-6.7837	PASS
	138	5179.9129	-16.8156	PASS

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1 - 802.11n_20M - 5240MHz (ANT 2)		
Date of Test	2015/11/19	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5240.0530	10.1205	PASS
-10		5240.0825	15.7423	PASS
0		5239.8770	-23.4730	PASS
10		5239.9125	-16.7016	PASS
20		5239.8702	-24.7735	PASS
30		5239.8921	-20.5827	PASS
40		5239.8489	-28.8333	PASS
50		5239.9976	-0.4518	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5239.8802	-22.8535	PASS
	120	5239.9980	-0.3873	PASS
	138	5239.9732	-5.1064	PASS

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1 - 802.11n_20M - 5180MHz(ANT 3)		
Date of Test	2015/11/19	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5180.0502	9.6825	PASS
-10		5180.0869	16.7756	PASS
0		5179.8810	-22.9689	PASS
10		5179.8707	-24.9643	PASS
20		5179.9123	-16.9363	PASS
30		5179.8695	-25.1860	PASS
40		5179.9243	-14.6202	PASS
50		5179.9198	-15.4803	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5179.9573	-8.2368	PASS
	120	5180.0138	2.6702	PASS
	138	5179.9256	-14.3654	PASS

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1 - 802.11n_20M - 5240MHz(ANT 3)		
Date of Test	2015/11/19	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5240.0233	4.4457	PASS
-10		5240.0217	4.1474	PASS
0		5239.9603	-7.5699	PASS
10		5239.9539	-8.7929	PASS
20		5239.8937	-20.2951	PASS
30		5239.8953	-19.9717	PASS
40		5239.9812	-3.5828	PASS
50		5239.9799	-3.8275	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5240.0522	9.9607	PASS
	120	5240.0792	15.1146	PASS
	138	5240.0495	9.4416	PASS

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1 - 802.11n_40M - 5190MHz(ANT 0)		
Date of Test	2015/11/19	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5190.0412	7.9319	PASS
-10		5190.0856	16.4854	PASS
0		5189.8751	-24.0639	PASS
10		5189.9757	-4.6770	PASS
20		5189.9932	-1.3196	PASS
30		5189.8859	-21.9878	PASS
40		5189.8471	-29.4517	PASS
50		5189.9426	-11.0599	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5190.0795	15.3130	PASS
	120	5189.9219	-15.0528	PASS
	138	5190.0290	5.5896	PASS

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1 - 802.11n_40M - 5230MHz(ANT 0)		
Date of Test	2015/11/19	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5230.0134	2.5636	PASS
-10		5230.1383	26.4501	PASS
0		5229.9699	-5.7496	PASS
10		5229.8797	-23.0024	PASS
20		5229.9154	-16.1803	PASS
30		5229.8867	-21.6563	PASS
40		5229.9924	-1.4543	PASS
50		5229.9702	-5.7029	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5229.9975	-0.4815	PASS
	120	5230.0048	0.9206	PASS
	138	5229.9279	-13.7814	PASS

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1 - 802.11n_40M - 5190MHz(ANT 1)		
Date of Test	2015/11/19	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5190.0229	4.4125	PASS
-10		5190.1282	24.6985	PASS
0		5189.9823	-3.4081	PASS
10		5189.9428	-11.0306	PASS
20		5189.9890	-2.1190	PASS
30		5189.9523	-9.1953	PASS
40		5189.8824	-22.6555	PASS
50		5189.9031	-18.6729	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5189.9945	-1.0602	PASS
	120	5190.0180	3.4659	PASS
	138	5190.0344	6.6342	PASS

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1 - 802.11n_40M - 5230MHz(ANT 1)		
Date of Test	2015/11/19	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5230.0373	7.1254	PASS
-10		5230.0981	18.7527	PASS
0		5229.9766	-4.4798	PASS
10		5229.9774	-4.3178	PASS
20		5229.8830	-22.3798	PASS
30		5229.8775	-23.4182	PASS
40		5229.9569	-8.2336	PASS
50		5229.8396	-30.6687	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5229.9520	-9.1691	PASS
	120	5230.0101	1.9262	PASS
	138	5229.9959	-0.7929	PASS

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1 - 802.11n_40M - 5190MHz(ANT 2)		
Date of Test	2015/11/19	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5190.0351	6.7719	PASS
-10		5190.0423	8.1578	PASS
0		5189.9344	-12.6462	PASS
10		5189.9612	-7.4853	PASS
20		5189.9320	-13.0949	PASS
30		5189.9431	-10.9715	PASS
40		5189.9190	-15.6129	PASS
50		5189.8475	-29.3871	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5189.8889	-21.4062	PASS
	120	5190.0371	7.1427	PASS
	138	5189.9799	-3.8792	PASS

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1 - 802.11n_40M -5230MHz(ANT 2)		
Date of Test	2015/11/19	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5230.0233	4.4504	PASS
-10		5230.1278	24.4264	PASS
0		5229.9643	-6.8263	PASS
10		5229.8923	-20.5838	PASS
20		5229.9483	-9.8779	PASS
30		5229.8859	-21.8180	PASS
40		5229.9370	-12.0491	PASS
50		5229.9144	-16.3663	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5230.0624	11.9327	PASS
	120	5229.9900	-1.9039	PASS
	138	5229.9560	-8.4107	PASS

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1 - 802.11n_40M - 5190MHz(ANT 3)		
Date of Test	2015/11/19	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5190.0519	9.9969	PASS
-10		5190.0084	1.6194	PASS
0		5189.8956	-20.1209	PASS
10		5189.9206	-15.2951	PASS
20		5189.9760	-4.6294	PASS
30		5189.8898	-21.2377	PASS
40		5189.9473	-10.1572	PASS
50		5189.9599	-7.7256	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5190.0180	3.4694	PASS
	120	5190.0098	1.8907	PASS
	138	5189.8915	-20.9069	PASS

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1 - 802.11n_40M - 5230MHz(ANT 3)		
Date of Test	2015/11/19	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5230.0365	6.9698	PASS
-10		5230.1119	21.3924	PASS
0		5229.9386	-11.7338	PASS
10		5229.9665	-6.4078	PASS
20		5229.8719	-24.5007	PASS
30		5229.9456	-10.3991	PASS
40		5229.9838	-3.0952	PASS
50		5229.9930	-1.3377	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5229.9054	-18.0930	PASS
	120	5230.0031	0.5878	PASS
	138	5229.9408	-11.3128	PASS

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1 - 802.11ac_80M -5210MHz(ANT 0)		
Date of Test	2015/11/19	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5210.0091	1.7549	PASS
-10		5210.0882	16.9293	PASS
0		5209.9684	-6.0730	PASS
10		5209.9563	-8.3935	PASS
20		5209.9028	-18.6502	PASS
30		5209.9870	-2.5002	PASS
40		5209.9931	-1.3339	PASS
50		5209.8798	-23.0746	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5209.9527	-9.0767	PASS
	120	5210.0211	4.0440	PASS
	138	5209.8690	-25.1430	PASS

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1 - 802.11ac_80M -5210MHz(ANT 1)		
Date of Test	2015/11/19	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5210.0472	9.0633	PASS
-10		5210.0756	14.5110	PASS
0		5209.9763	-4.5467	PASS
10		5209.9118	-16.9226	PASS
20		5209.9611	-7.4714	PASS
30		5209.8952	-20.1164	PASS
40		5209.8981	-19.5564	PASS
50		5209.8533	-28.1606	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5209.9032	-18.5835	PASS
	120	5209.9701	-5.7386	PASS
	138	5210.0050	0.9574	PASS

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1 - 802.11ac_80M -5210MHz(ANT 2)		
Date of Test	2015/11/19	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5210.0037	0.7092	PASS
-10		5210.0537	10.2980	PASS
0		5209.9798	-3.8743	PASS
10		5209.8891	-21.2766	PASS
20		5209.9460	-10.3635	PASS
30		5209.8522	-28.3617	PASS
40		5209.9142	-16.4617	PASS
50		5209.8637	-26.1559	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5209.9977	-0.4389	PASS
	120	5209.9571	-8.2357	PASS
	138	5209.8975	-19.6781	PASS

Product	Wireless-AC2600 Dual WAN VPN Wireless Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_CDD Mode_Adapter 1 - 802.11ac_80M -5210MHz(ANT 3)		
Date of Test	2015/11/19	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5210.0418	8.0165	PASS
-10		5210.0027	0.5091	PASS
0		5209.8770	-23.6164	PASS
10		5209.8925	-20.6351	PASS
20		5209.9087	-17.5304	PASS
30		5209.9408	-11.3676	PASS
40		5209.9335	-12.7616	PASS
50		5209.9968	-0.6225	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5209.9798	-3.8686	PASS
	120	5210.0091	1.7551	PASS
	138	5209.9873	-2.4339	PASS