FCC Test Report

Product Name	：	Dual-band Wireless-AC1200 Gigabit Router
Model No.	：	RT-AC56S
FCC ID.	：	MSQ-RTAC56UA

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

Date of Receipt	：	2014/03/21
Issued Date	：	2014/08/18
Report No.	：	1430420R-RFUSP43V00
Report Version	：	V1.0

Testing Laboratory
1313

Test Report Certification

Issued Date : 2014/08/18
Report No. : 1430420R-RFUSP43V00

QuieTek

Product Name	:	Dual-band Wireless-AC1200 Gigabit Router
Applicant	:	ASUSTeK COMPUTER INC.
Address	:	4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan
Manufacturer	:	Compal Networking （KunShan） Co.,Ltd
Model No.	:	RT-AC56S
FCC ID.	:	MSQ-RTAC56UA
EUT Voltage	:	AC 100-240V / 50-60Hz
Trade Name	:	ASUS
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart E Section 15.407:2013 ANSI C63.10
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 : Fonbo Fang
(Fonbo Fang / Engineering Adm. Assistant)

Tested By : Bruno Tsai
(Bruno Tsai / Assistant Engineer)

Approved By : Roy Wang
(Roy Wang / Director)

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: 1313**
USA	**:**	**FCC, Registration Number: 365520**
Canada	**:**	**IC, Submission No: 150981**

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/tw/ctg/cts/accreditations.htm
The address and introduction of QuieTek Corporation's laboratories can be founded in our Web site : http://www.quietek.com/
If you have any comments, Please don't hesitate to contact us. Our contact information is as below:

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

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

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1. General Information

1.1. EUT Description

Product Name	Dual-band Wireless-AC1200 Gigabit Router	
Product Type	WLAN (2TX, 2RX)	
Trade Name	ASUS	
Model No.	RT-AC56S	
Frequency Range/ Channel Number	IEEE 802.11a/ IEEE 802.11n/ac(20MHz)	5180~5240MHz / 4 Channels
	IEEE 802.11n/ac(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 (OFDM)
Data Speed	IEEE 802.11a	6, 9, 18, 24, 36, 48, 54Mbps
	IEEE 802.11n	Support a subset of the combination of GI, MCS 0~MCS 15 and bandwidth defined in 802.11n
	IEEE 802.11ac	Support a subset of the combination of GI, MCS 0~MCS 9 and bandwidth defined in 802.11ac
Antenna Gain	Ant0:3.07dBi, Ant1:3.07dBi	
Antenna Type	PCB Antenna	

Component	
LAN Cable	YFC-BONEAGLE , Non-Shielded, 1.5m
LAN Cable	Cablex Electronics , Non-Shielded, 1.5m
LAN Cable	SHENZHEN , Non-Shielded, 1.5m
Power Adatper	I.T.E. POWER SUPPLY, MU24-V120200-A1 I/P: 100-240V ~ 50/60Hz 1.0A O/P: 12V⎓2A Cable out: Non-Shielded, 1.6m

ANT-TX / RX & Bandwidth

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

2TX / 2RX

IEEE 802.11n

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

Table 1 – MCS parameters for TX Antenna number = 1

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

Table 2 – MCS parameters for TX Antenna number = 2

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

IEEE 802.11ac Data Rate

Spatial Streams (Note1)	MCS Index	Modulation type	Coding rate	Data Rate(Mb/s)							
				20 MHz		40 MHz		80 MHz		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

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

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

IEEE 802.11n/ac (40MHz)

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

IEEE 802.11ac (80MHz)

Working Frequency of Each Channel	
Channel	Frequency
42	5210 MHz

Note:

1. This device is a Dual-band Wireless-AC1200 Gigabit Router including 2.4GHz b/g/n and 5GHz a/n/ac (2x2) 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.

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	Mode1: Transmit (CDD)_Bridge Mode Mode2: Transmit (Beamforming)_Bridge Mode Mode3: Transmit (CDD)_Repeat Mode Mode4: Transmit (Beamforming)_Repeat Mode

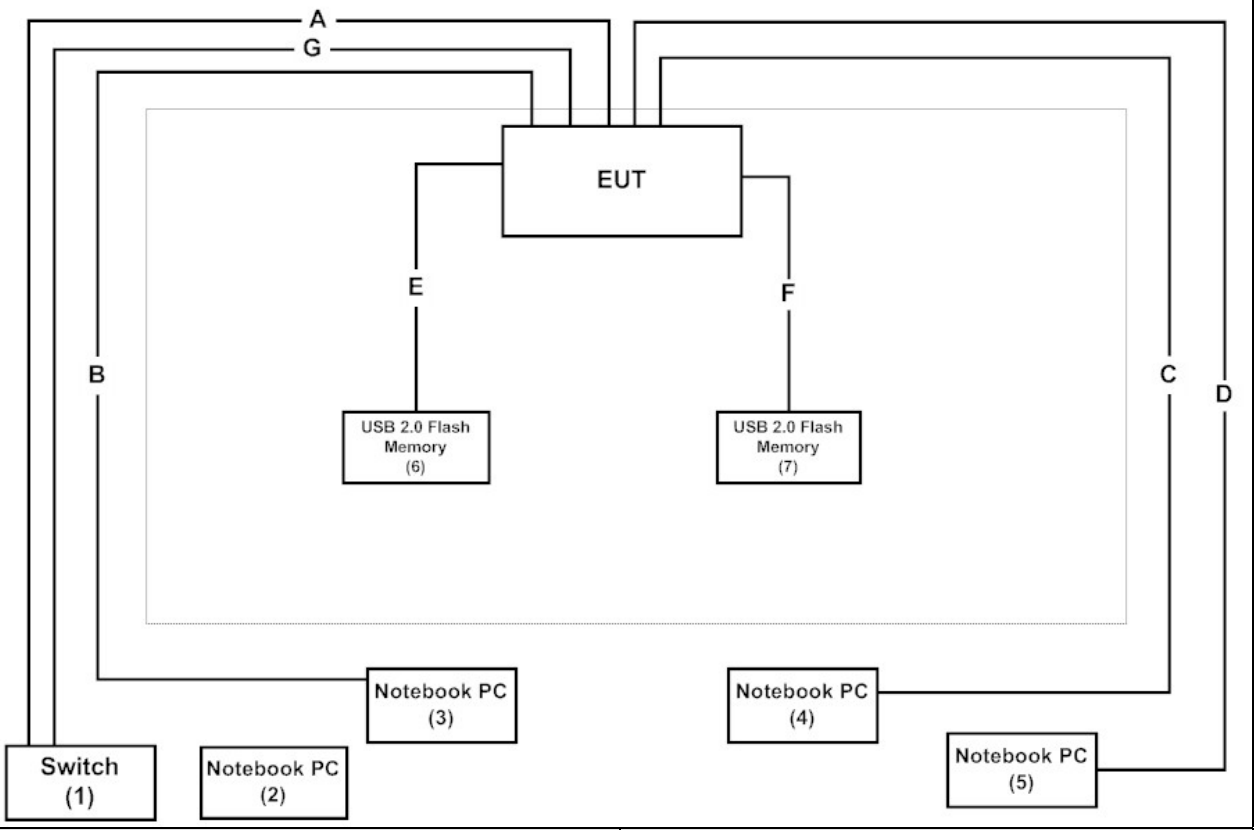
Test Items	Mode	Modulation	Channel	Antenna	Result
Conducted Emission	1	11ac (80MHz)	42	0+1	Complies
99 % & 26dB Bandwidth	1/3	a	36/44/48	0/1	Complies
	1/2/3/4	11n/ac (20MHz)	36/44/48	0/1	Complies
	1/2/3/4	11n/ac (40MHz)	38/46	0/1	Complies
	1/2/3/4	11ac (80MHz)	42	0/1	Complies
Peak Transmit Output	1/3	a	36/44/48	0+1	Complies
	1/2/3/4	11n/ac (20MHz)	36/44/48	0+1	Complies
	1/2/3/4	11n/ac (40MHz)	38/46	0+1	Complies
	1/2/3/4	11ac (80MHz)	42	0+1	Complies
Peak Power Spectrum Density	1/3	a	36/44/48	0+1	Complies
	1/2/3/4	11n/ac (20MHz)	36/44/48	0+1	Complies
	1/2/3/4	11n/ac (40MHz)	38/46	0+1	Complies
	1/2/3/4	11ac (80MHz)	42	0+1	Complies
Radiated Emission	1	a	36/44/48	0+1	Complies
	1	11n/ac (20MHz)	36/44/48	0+1	Complies
	1	11n/ac (40MHz)	38/46	0+1	Complies
	1	11ac (80MHz)	42	0+1	Complies
Band Edge	1	a	36	0+1	Complies
	1/2	11n/ac (20MHz)	36	0+1	Complies
	1/2	11n/ac (40MHz)	38	0+1	Complies
	1/2	11ac (80MHz)	42	0+1	Complies
Frequency Stability	1	a	36/44/48	0/1	Complies
	1	11n/ac (20MHz)	36/44/48	0/1	Complies
	1	11n/ac (40MHz)	38/46	0/1	Complies
	1	11ac (80MHz)	42	0/1	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	Switch	D-Link	DGS1216T	F360298000042	DoC	Non-Shielded, 1.8m
2	Notebook PC	HP	HSTNN-146C	CNU8253S1X	DoC	Non-Shielded, 1.8m
3	Notebook PC	DELL	Vostro3400	7F808N1	DoC	Non-Shielded, 1.8m
4	Notebook PC	ACER	MS2296	LUSCV02139115 0332C2000	DoC	Non-Shielded, 2.5m one ferrite core bonded
5	Notebook PC	ACER	PAV70	LUSEW0D03711 05FE221601	DoC	Non-Shielded, 2.5m one ferrite core bonded
6	USB 2.0 Flash Memory	Apacer	AH223	N/A	DoC	--
7	USB 2.0 Flash Memory	Apacer	AH223	N/A	DoC	--

1.4. Configuration of tested System

Connection Diagram


Signal Cable Type		Signal cable Description
A	LAN Cable	Non-Shielded, 1.5m
B	LAN Cable	Non-Shielded, 1.5m
C	LAN Cable	Non-Shielded, 1.5m
D	LAN Cable	Non-Shielded, 1.5m
E	USB 2.0 Flash Memory Cable	Shielded, 1m
F	USB 2.0 Flash Memory Cable	Shielded, 1m
G	LAN Cable	Non-Shielded, 1.5m

1.5. EUT Exercise Software

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

1.6. Test Facility

Ambient conditions in the laboratory:

Items	Test Item	Required (IEC 68-1)	Actual
Temperature (°C)	FCC PART 15 E 15.407 Conducted Emission	15 - 35	20
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	45
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	65
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 E 15.407 Band Edge	15 - 35	25
Humidity (%RH)		25 - 75	58
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

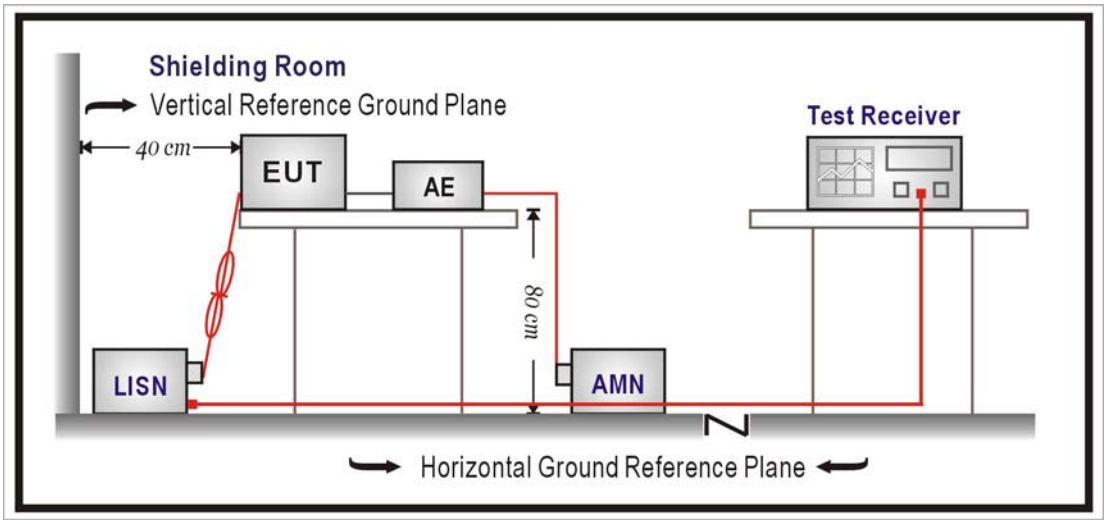
The following test equipments are used during the test:

Conducted Emission / SR2

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Artificial Mains Network	R&S	ENV4200	848411/010	2015/02/09
LISN	R&S	ENV216	100092	2014/08/08
Test Receiver	R&S	ESCS 30	825442/014	2015/07/13

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. 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

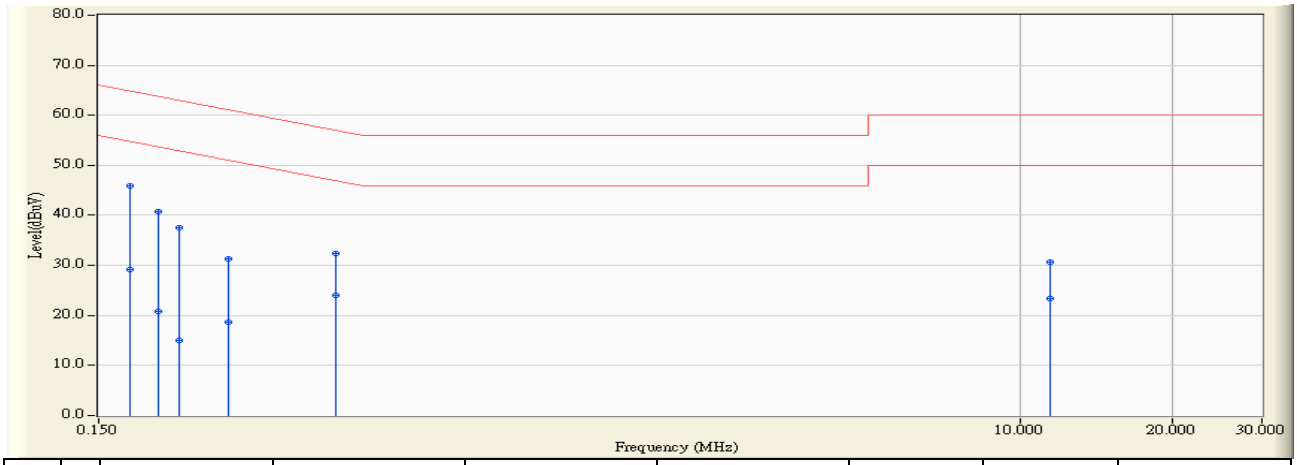
According to FCC Part 15 Subpart C Paragraph 15.207:2013

2.6. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

2.7. Test Result

Site : SR2	**Time : 2014/08/03 - 14:52**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-3_0822 - Line1	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode 802.11ac(80MHz)_5210MHz**

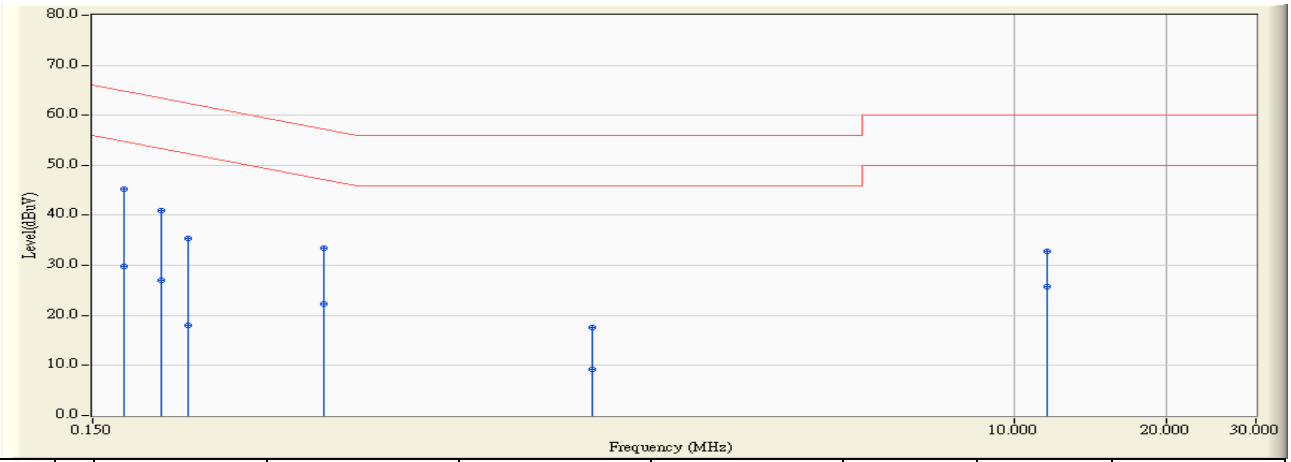


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.173	9.639	36.280	45.919	-18.875	64.794	QUASIPEAK
2		0.173	9.639	19.550	29.189	-25.605	54.794	AVERAGE
3		0.197	9.644	31.070	40.714	-23.027	63.741	QUASIPEAK
4		0.197	9.644	11.120	20.764	-32.977	53.741	AVERAGE
5		0.216	9.649	27.790	37.439	-25.517	62.956	QUASIPEAK
6		0.216	9.649	5.310	14.959	-37.997	52.956	AVERAGE
7		0.271	9.664	21.650	31.314	-29.770	61.084	QUASIPEAK
8		0.271	9.664	8.980	18.644	-32.440	51.084	AVERAGE
9		0.443	9.714	22.610	32.324	-24.682	57.006	QUASIPEAK
10		0.443	9.714	14.350	24.064	-22.942	47.006	AVERAGE
11		11.427	10.148	20.440	30.587	-29.413	60.000	QUASIPEAK
12		11.427	10.148	13.170	23.317	-26.683	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 : 2014/08/03 - 14:59**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-3_0822 - Line2	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode 802.11ac(80MHz)_5210MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.173	9.626	35.710	45.336	-19.458	64.794	QUASIPEAK
2		0.173	9.626	20.290	29.916	-24.878	54.794	AVERAGE
3		0.205	9.635	31.380	41.015	-22.403	63.418	QUASIPEAK
4		0.205	9.635	17.350	26.985	-26.433	53.418	AVERAGE
5		0.232	9.641	25.770	35.412	-26.965	62.377	QUASIPEAK
6		0.232	9.641	8.470	18.112	-34.265	52.377	AVERAGE
7		0.431	9.691	23.700	33.391	-23.838	57.229	QUASIPEAK
8		0.431	9.691	12.670	22.361	-24.868	47.229	AVERAGE
9		1.459	9.771	7.780	17.550	-38.450	56.000	QUASIPEAK
10		1.459	9.771	-0.590	9.180	-36.820	46.000	AVERAGE
11		11.568	10.180	22.530	32.710	-27.290	60.000	QUASIPEAK
12		11.568	10.180	15.470	25.650	-24.350	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

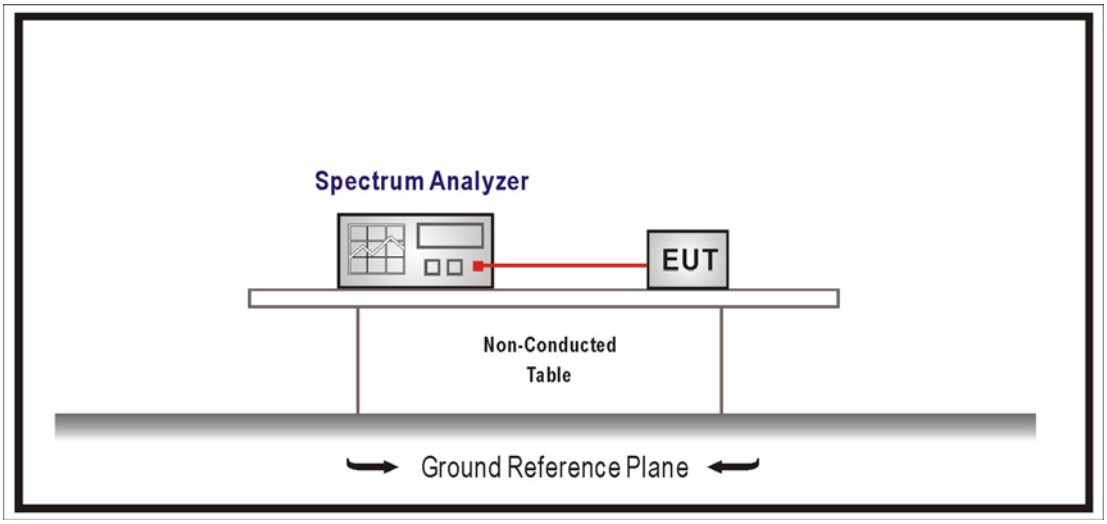
The following test equipments are used during the radiated emission tests:

99% & 26dB Bandwidth / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2015/07/14

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

3.2. Test Setup



3.3. Limits

No Required

3.4. Test Procedure

The EUT was tested according to U-NII test procedure of KDB 789033.
Set RBW 1% of the emission bandwidth, VBW equal to 3 times the RBW.

3.5. Uncertainty

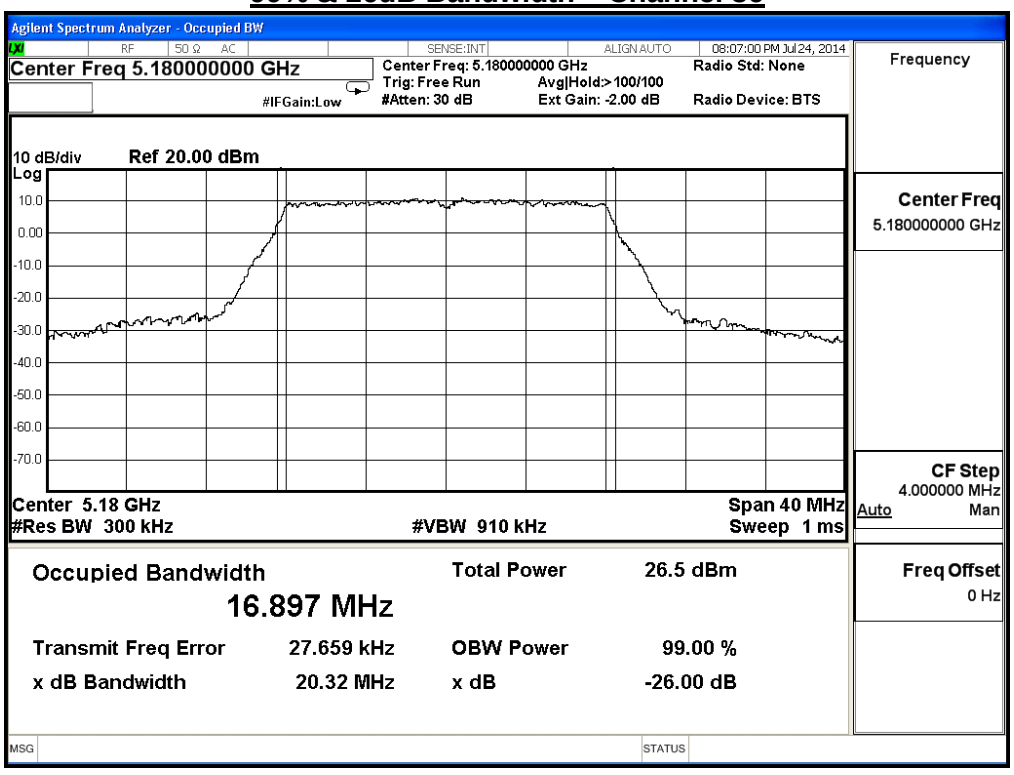
The measurement uncertainty is defined as ±150Hz

3.6. Test Result

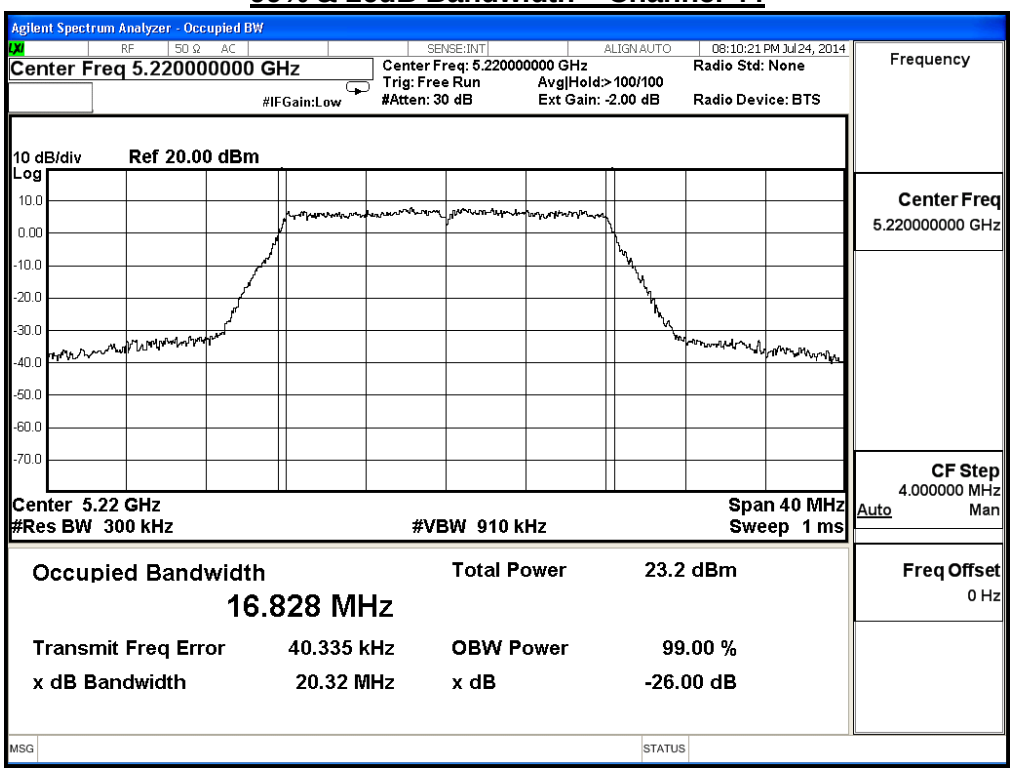
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

IEEE 802.11a, ANT 0					
Channel No.	Frequency (MHz)	26dB BW (MHz)	99 % OBW (MHz)	Required Limit (MHz)	Result
36	5180	20.32	16.897	--	Pass
44	5220	20.32	16.828	--	Pass
48	5240	20.11	16.839	--	Pass

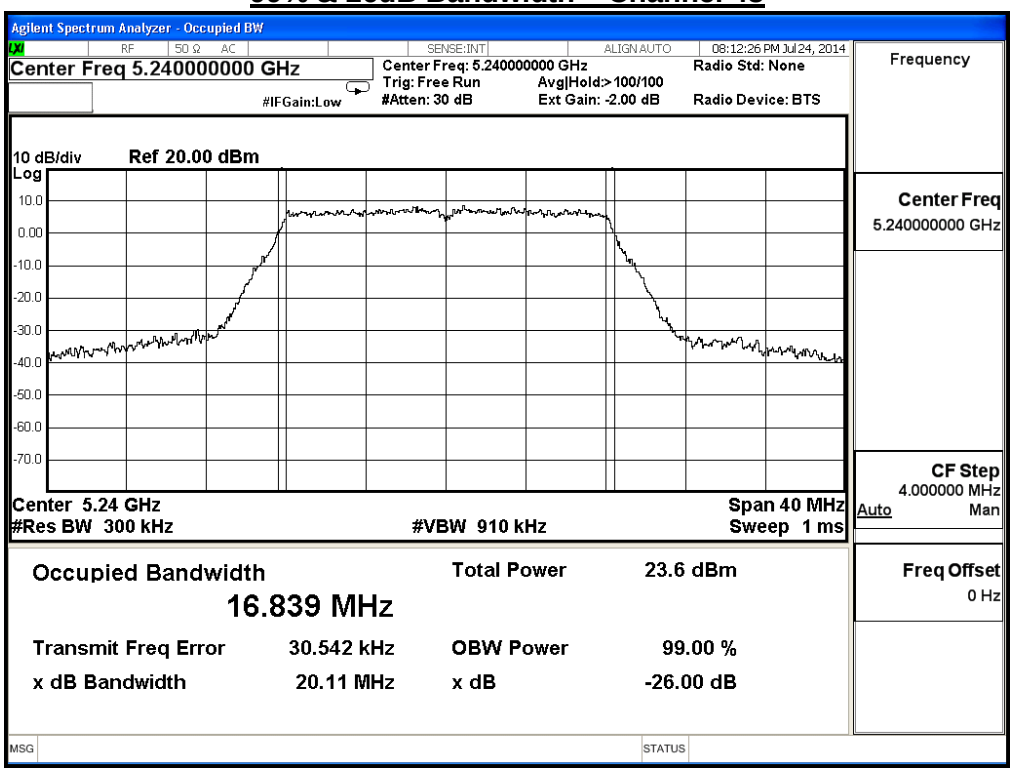
99% & 26dB Bandwidth – Channel 36



99% & 26dB Bandwidth – Channel 44



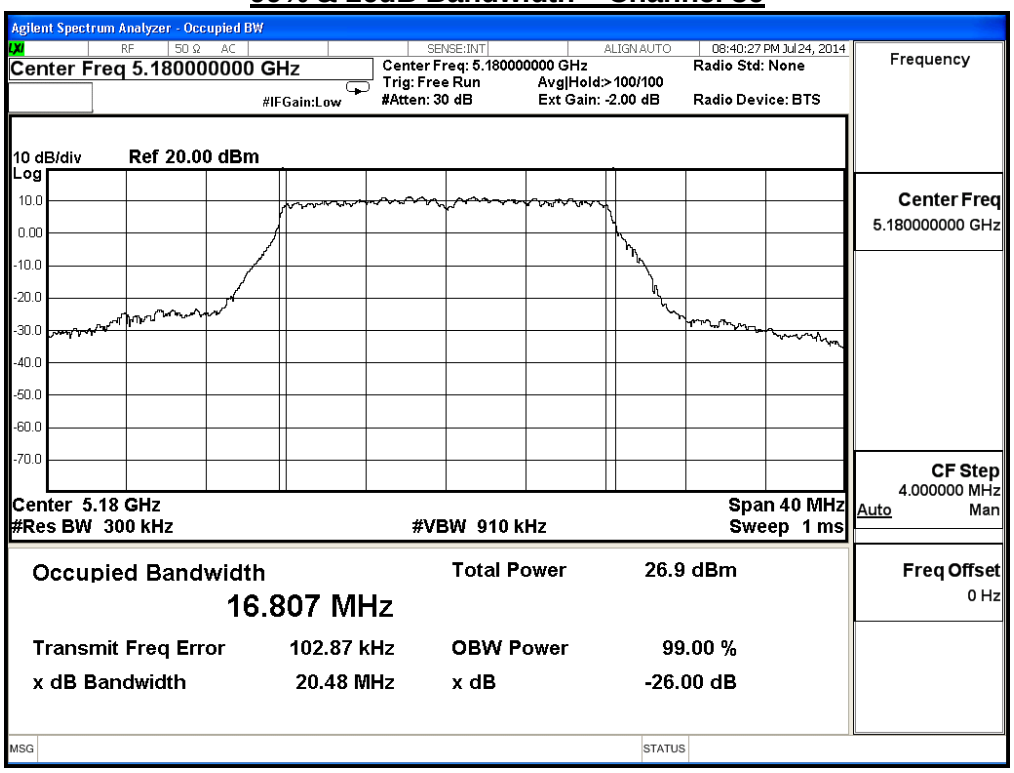
99% & 26dB Bandwidth – Channel 48



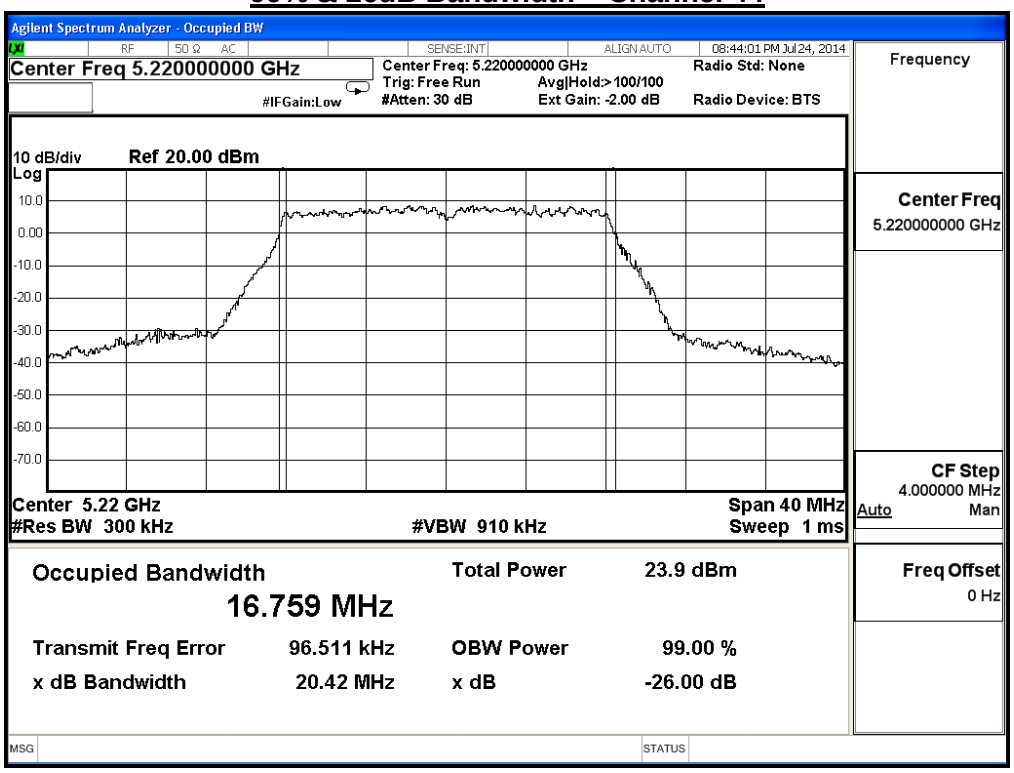
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

IEEE 802.11a, ANT 1					
Channel No.	Frequency (MHz)	26dB BW (MHz)	99 % OBW (MHz)	Required Limit (MHz)	Result
36	5180	20.48	16.807	--	Pass
44	5220	20.42	16.759	--	Pass
48	5240	20.45	16.803	--	Pass

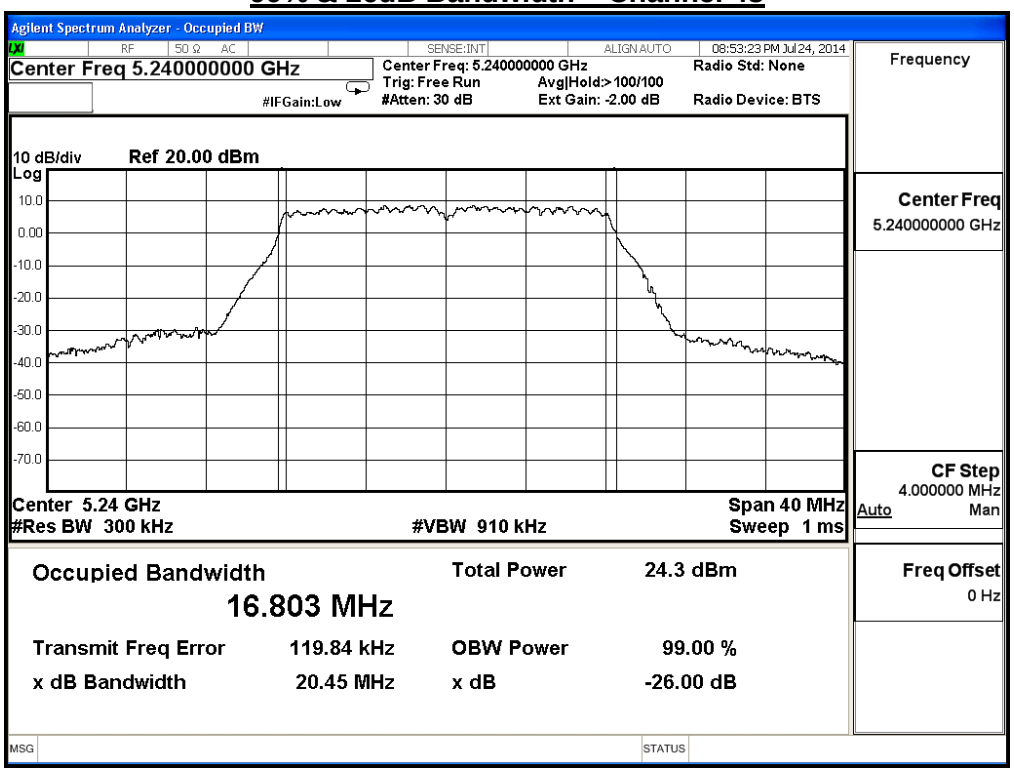
99% & 26dB Bandwidth – Channel 36



99% & 26dB Bandwidth – Channel 44



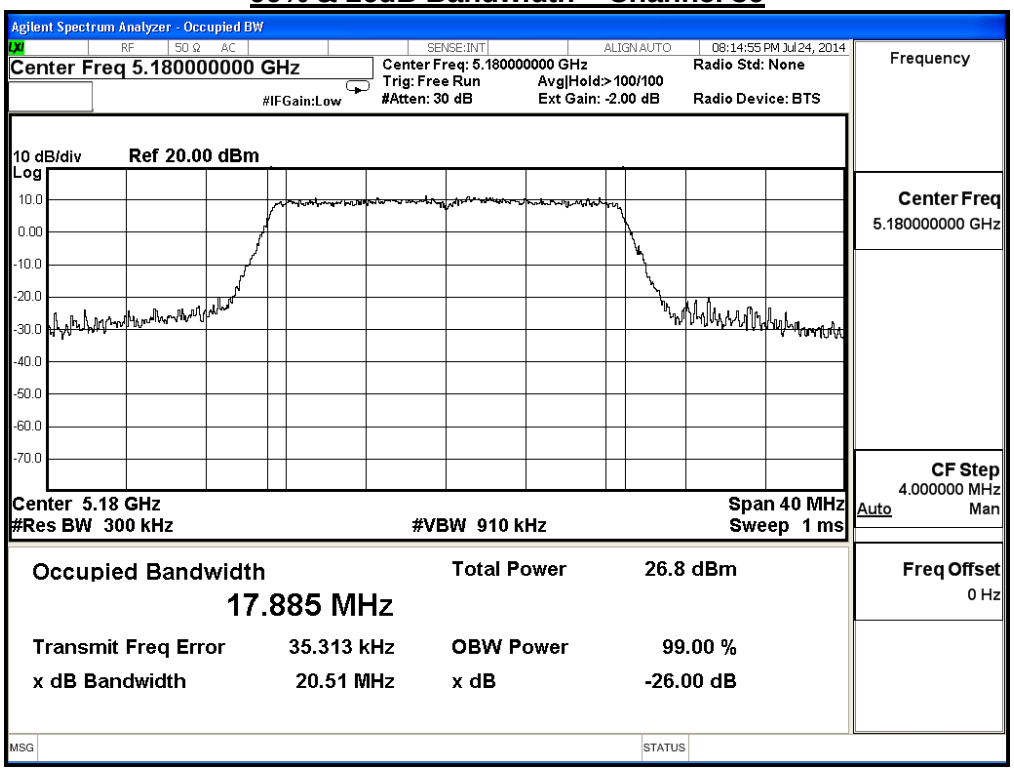
99% & 26dB Bandwidth – Channel 48



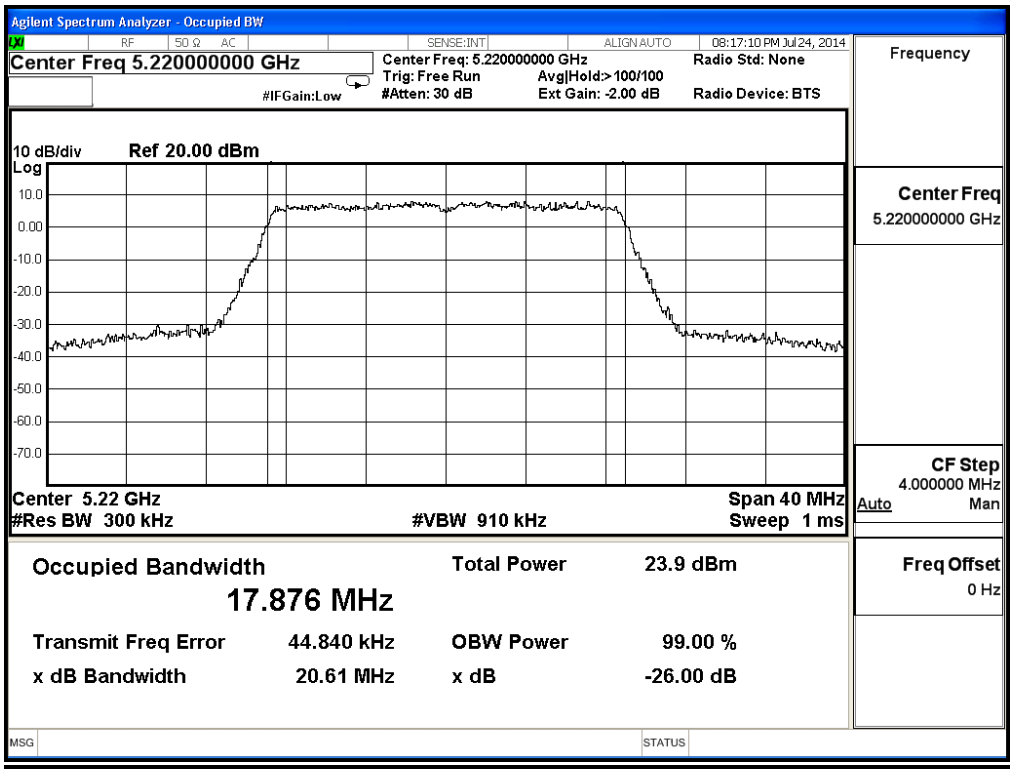
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

IEEE 802.11n_20M, ANT 0					
Channel No.	Frequency (MHz)	26dB BW (MHz)	99 % OBW (MHz)	Required Limit (MHz)	Result
36	5180	20.51	17.885	--	Pass
44	5220	20.61	17.876	--	Pass
48	5240	20.62	17.908	--	Pass

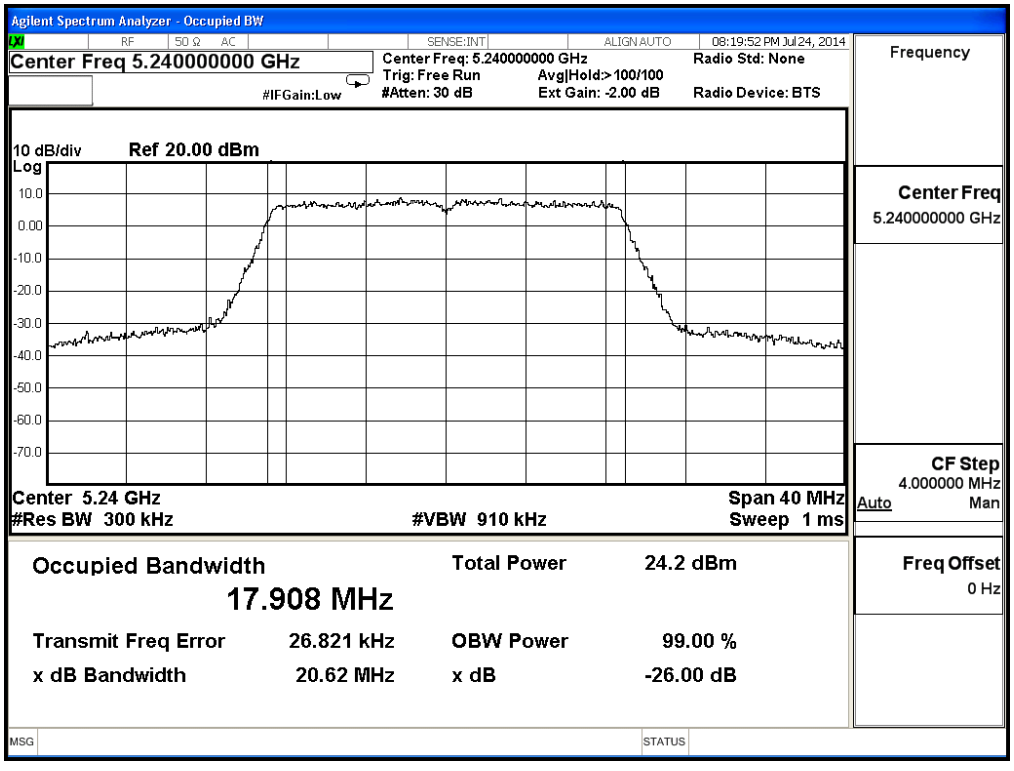
99% & 26dB Bandwidth – Channel 36



99% & 26dB Bandwidth – Channel 44



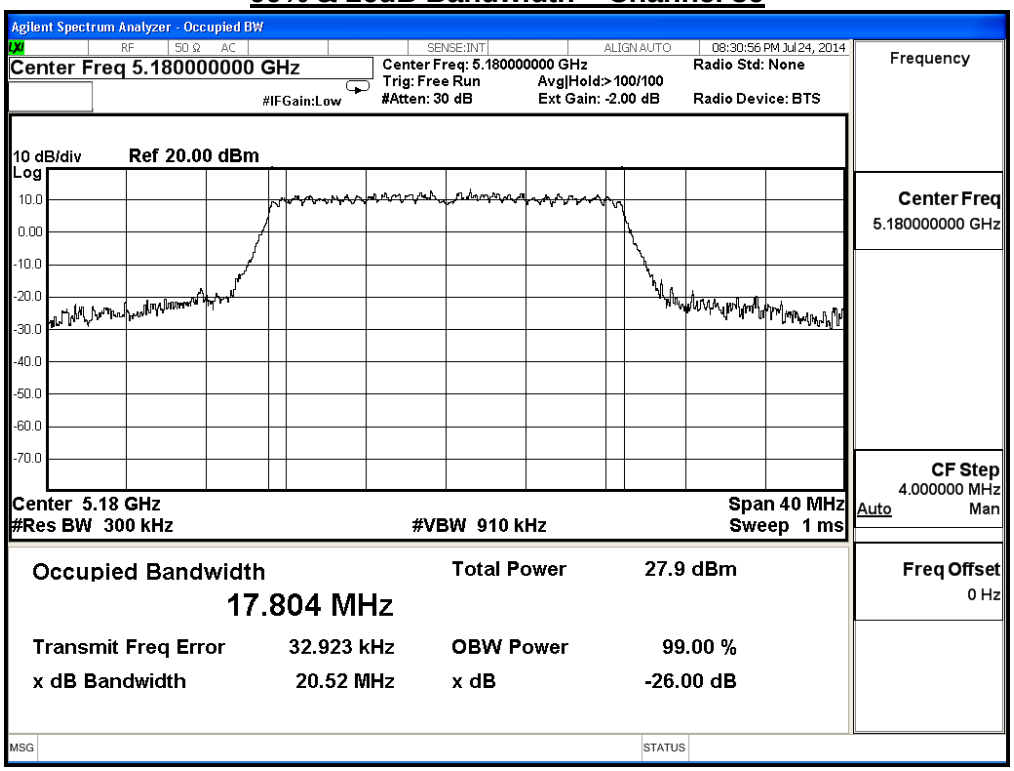
99% & 26dB Bandwidth – Channel 48



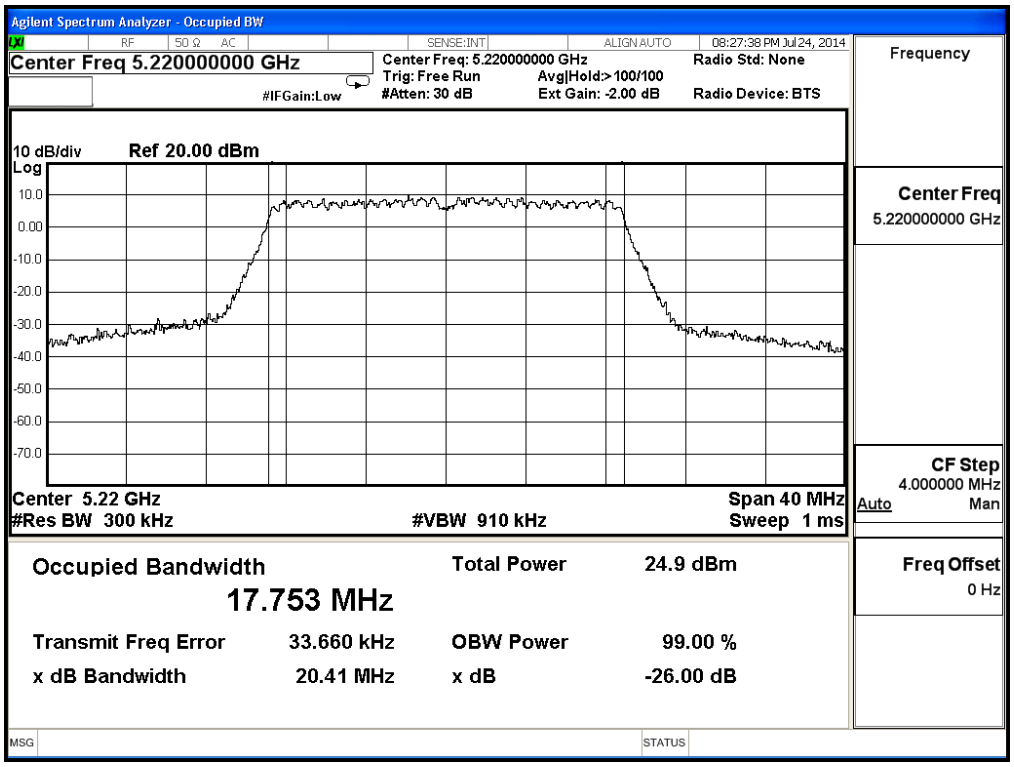
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

IEEE 802.11n_20M, ANT 1					
Channel No.	Frequency (MHz)	26dB BW (MHz)	99 % OBW (MHz)	Required Limit (MHz)	Result
36	5180	20.52	17.804	--	Pass
44	5220	20.41	17.753	--	Pass
48	5240	20.43	17.748	--	Pass

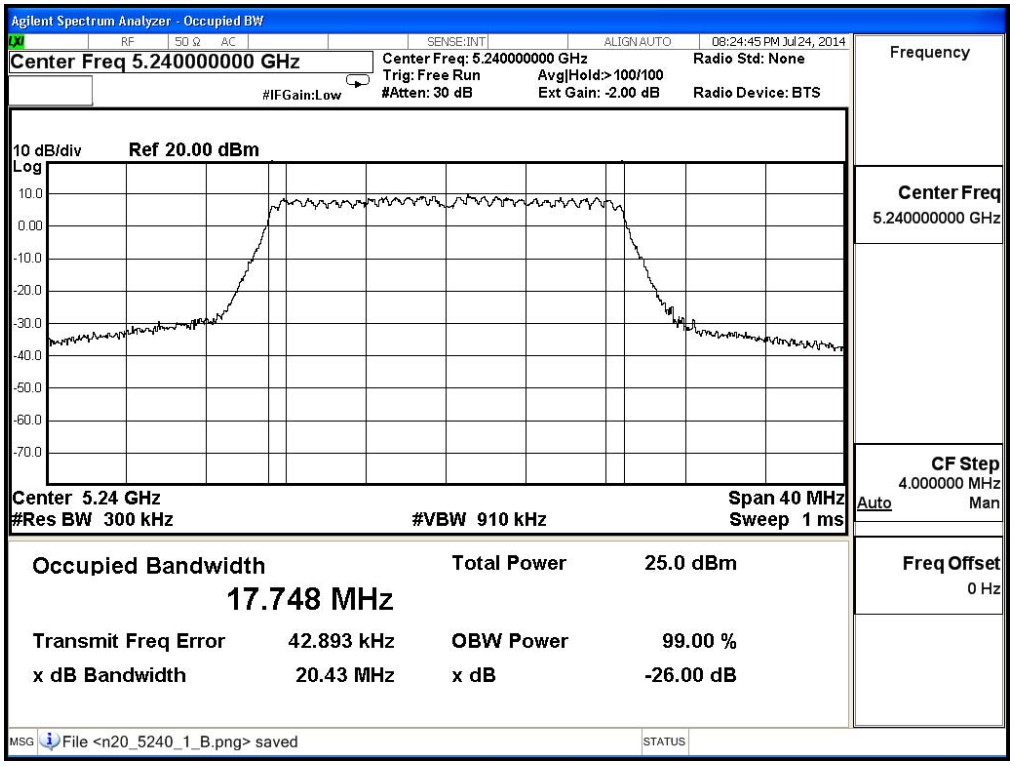
99% & 26dB Bandwidth – Channel 36



99% & 26dB Bandwidth – Channel 44



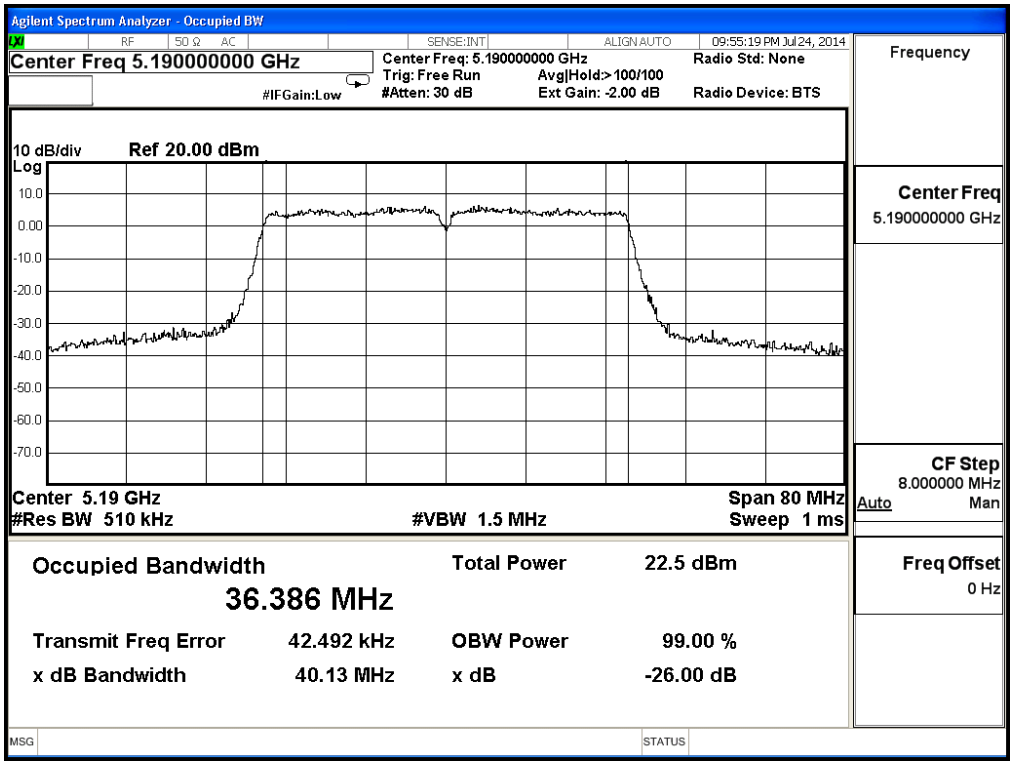
99% & 26dB Bandwidth – Channel 48



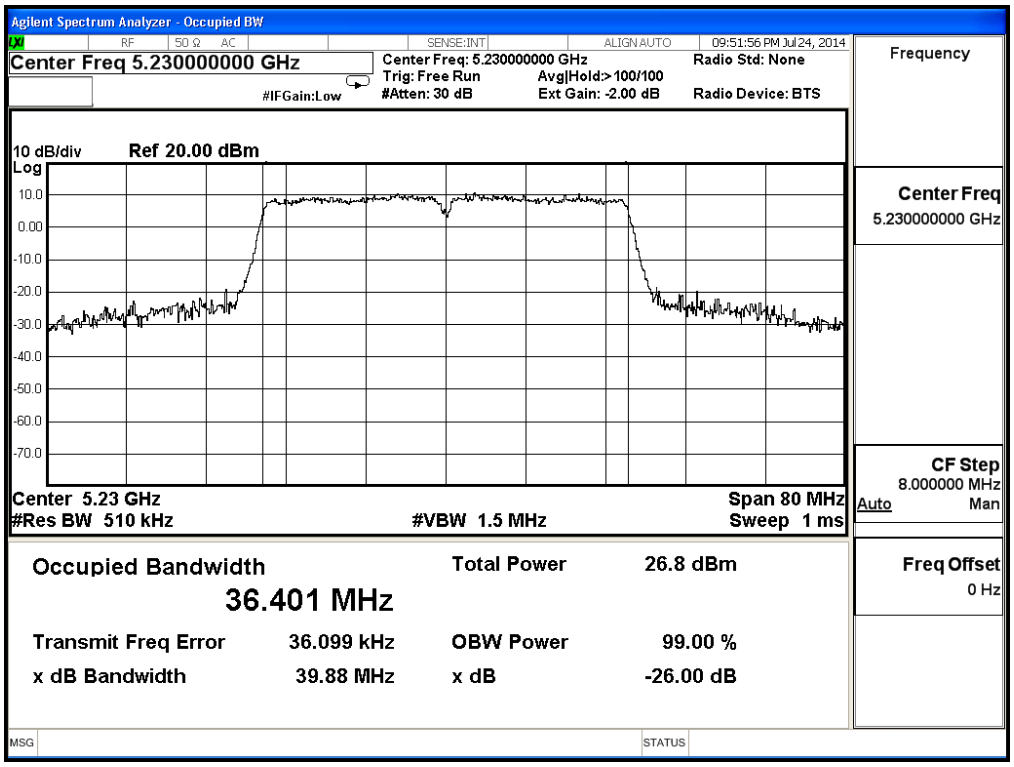
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

IEEE 802.11n_40M, ANT 0					
Channel No.	Frequency (MHz)	26dB BW (MHz)	99 % OBW (MHz)	Required Limit (MHz)	Result
38	5190	40.13	36.386	--	Pass
46	5230	39.88	36.401	--	Pass

99% & 26dB Bandwidth – Channel 38



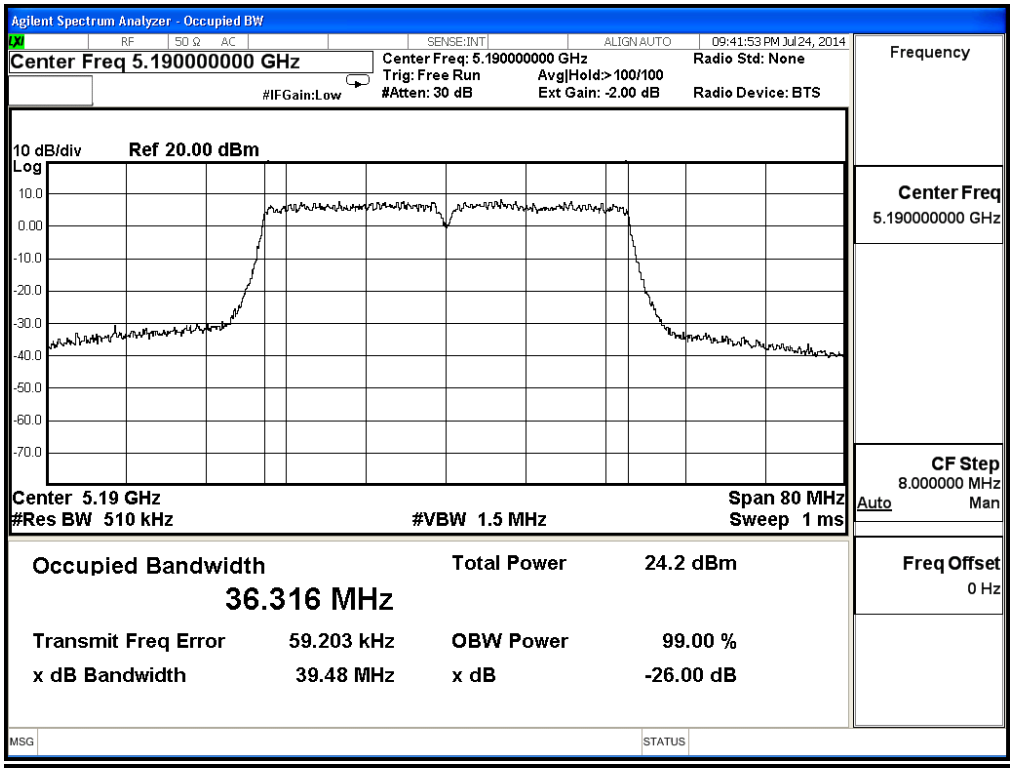
99% & 26dB Bandwidth – Channel 46



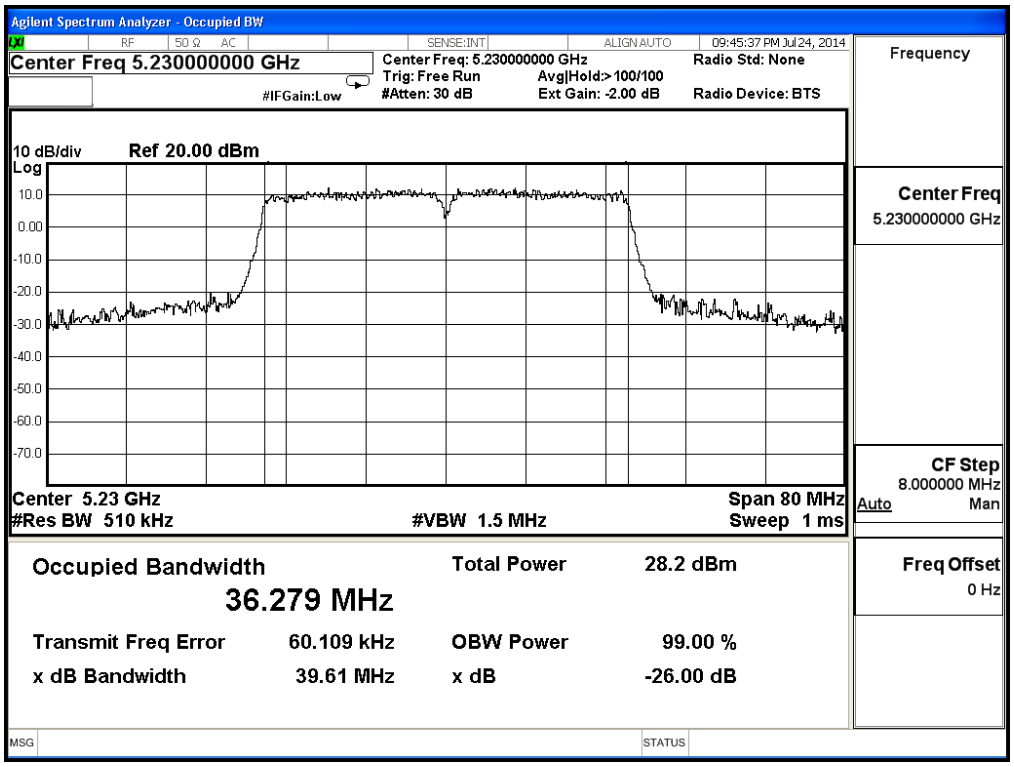
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

IEEE 802.11n_40M, ANT 1					
Channel No.	Frequency (MHz)	26dB BW (MHz)	99 % OBW (MHz)	Required Limit (MHz)	Result
38	5190	39.48	36.316	--	Pass
46	5230	39.61	36.279	--	Pass

99% & 26dB Bandwidth – Channel 38



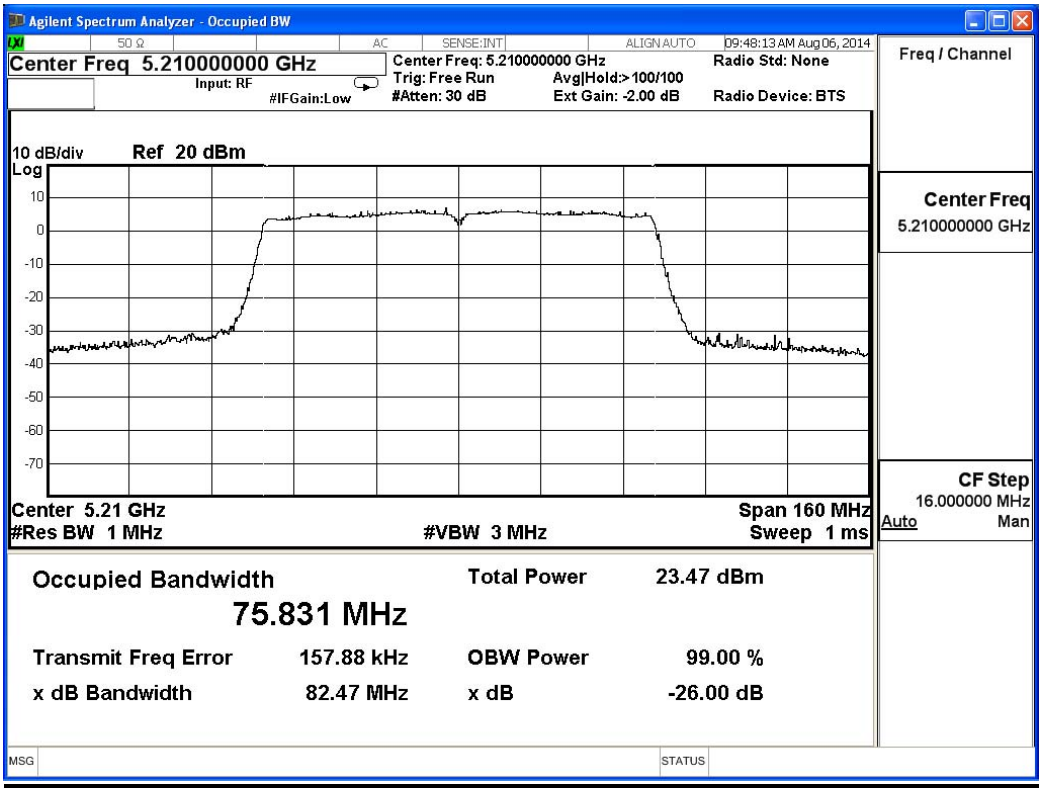
99% & 26dB Bandwidth – Channel 46



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode		
Date of Test	2014/08/06	Test Site	SR7

IEEE 802.11ac_80M, ANT 0					
Channel No.	Frequency (MHz)	26dB BW (MHz)	99 % OBW (MHz)	Required Limit (MHz)	Result
42	5210	82.47	75.831	--	Pass

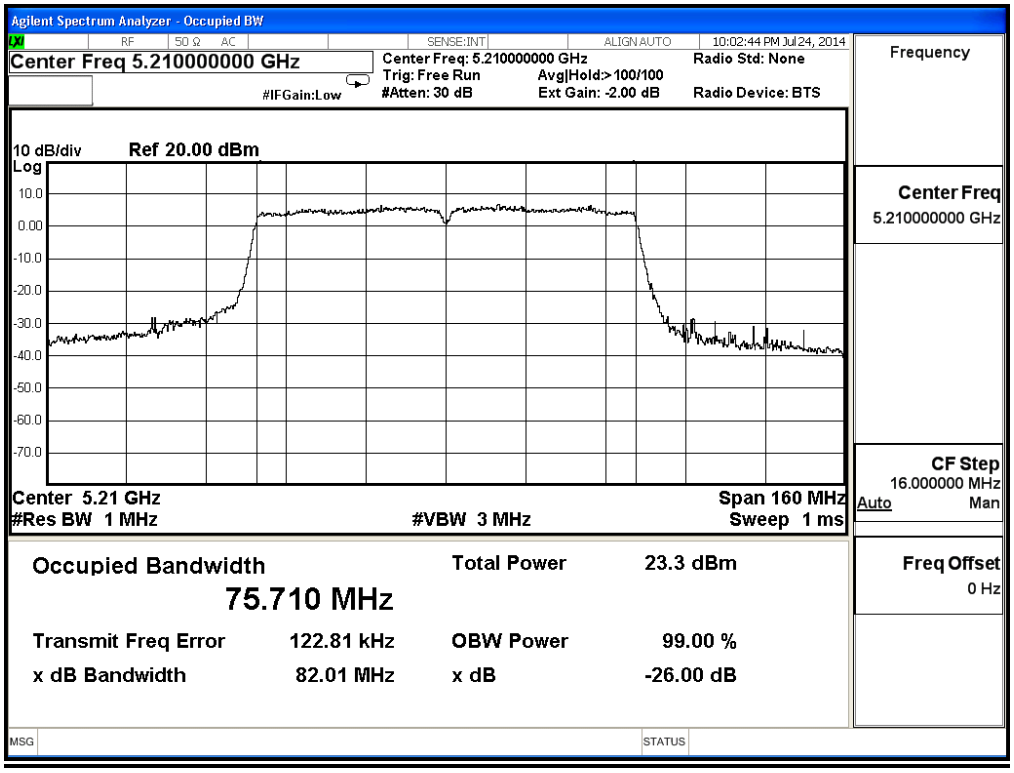
99% & 26dB Bandwidth – Channel 42



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

IEEE 802.11ac_80M, ANT 1					
Channel No.	Frequency (MHz)	26dB BW (MHz)	99 % OBW (MHz)	Required Limit (MHz)	Result
42	5210	82.01	75.710	--	Pass

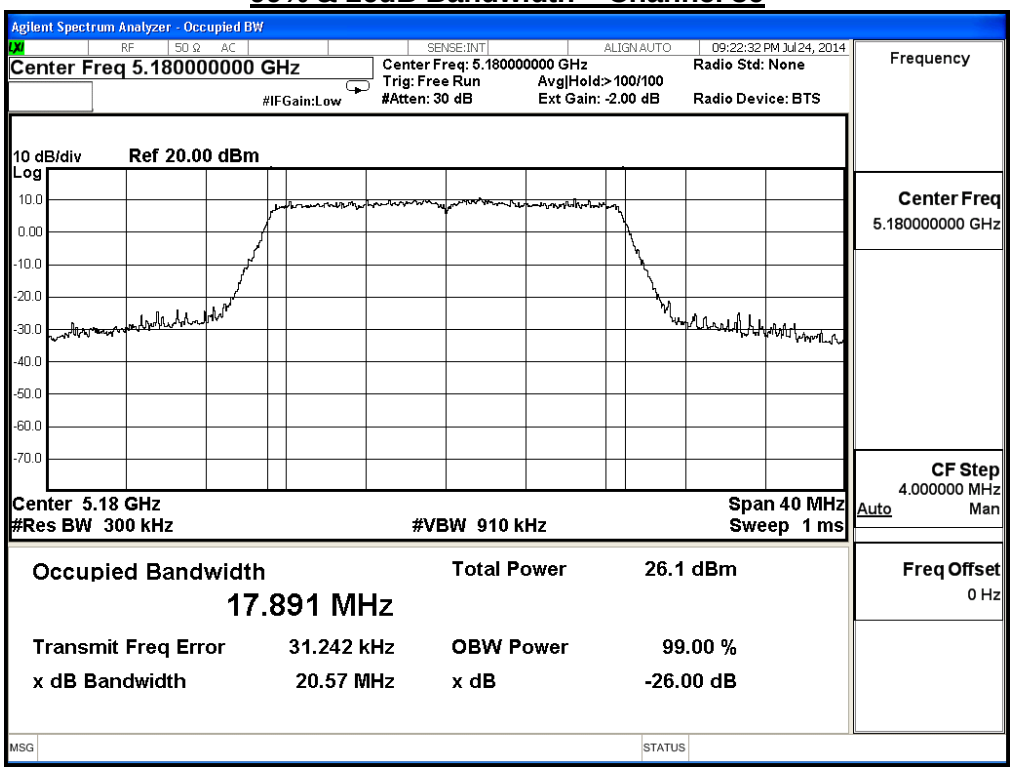
99% & 26dB Bandwidth – Channel 42



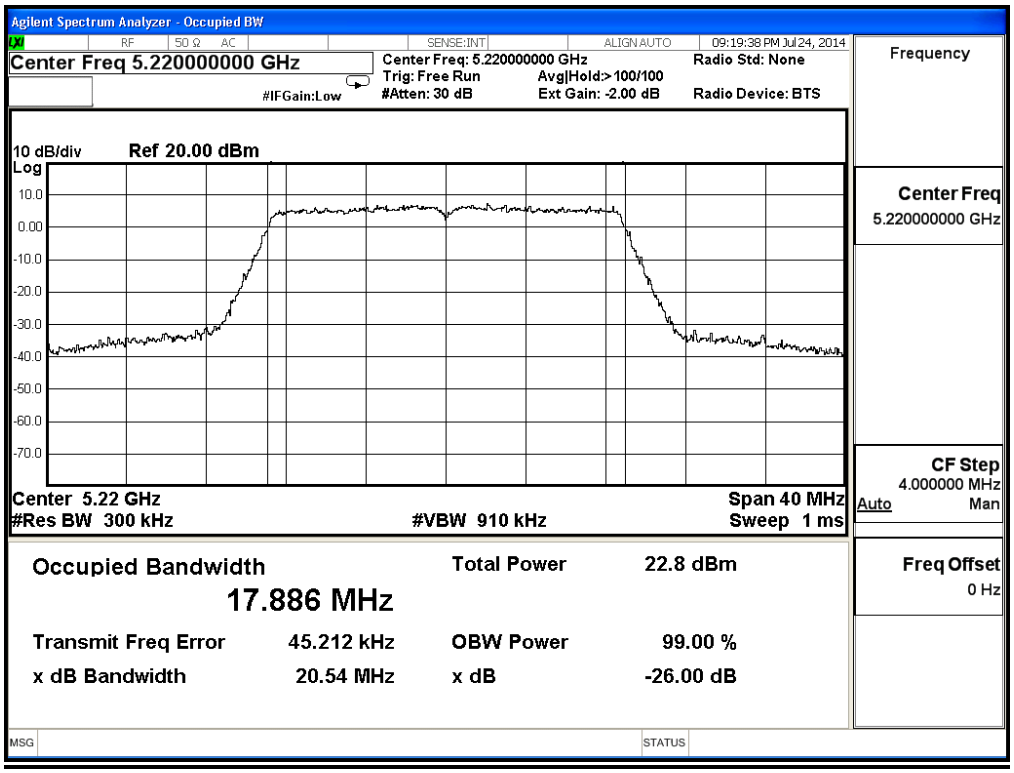
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode2: Transmit (Beamforming)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

IEEE 802.11n_20M, ANT 0					
Channel No.	Frequency (MHz)	26dB BW (MHz)	99 % OBW (MHz)	Required Limit (MHz)	Result
36	5180	20.57	17.891	--	Pass
44	5220	20.54	17.886	--	Pass
48	5240	20.85	17.904	--	Pass

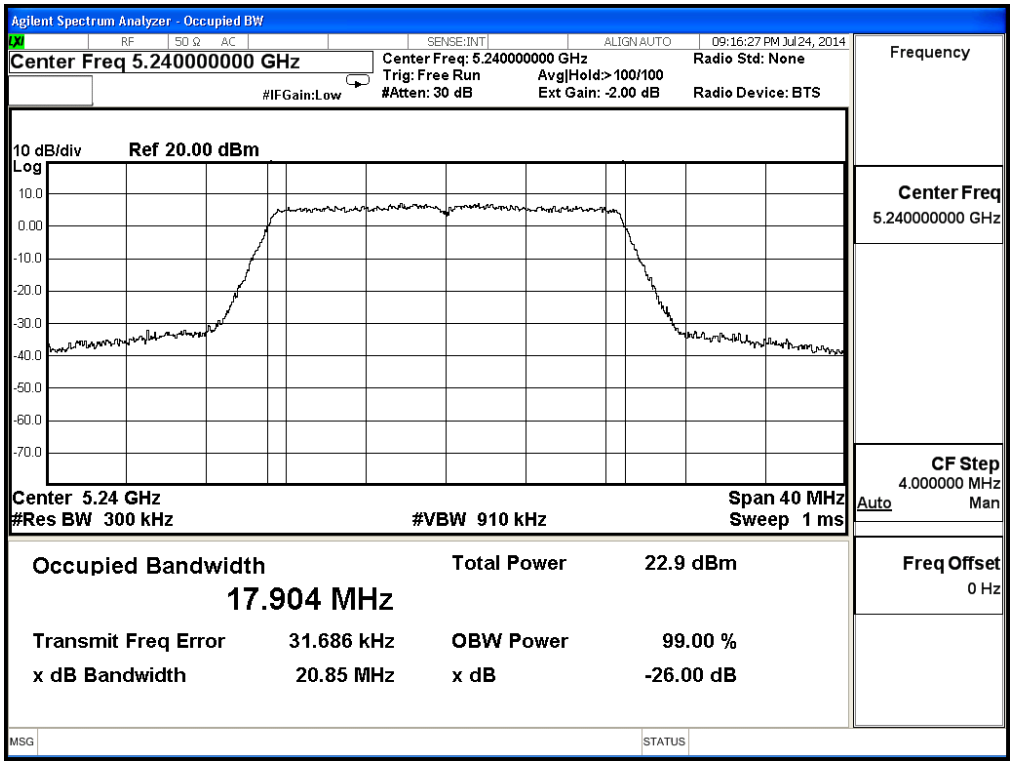
99% & 26dB Bandwidth – Channel 36



99% & 26dB Bandwidth – Channel 44



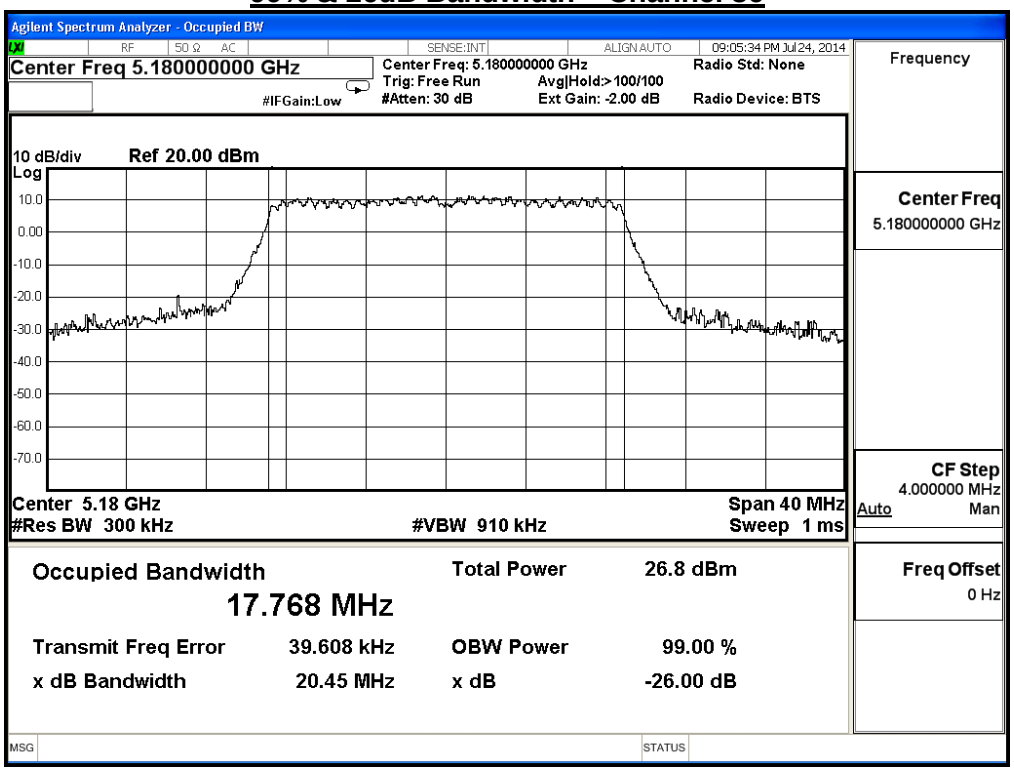
99% & 26dB Bandwidth – Channel 48



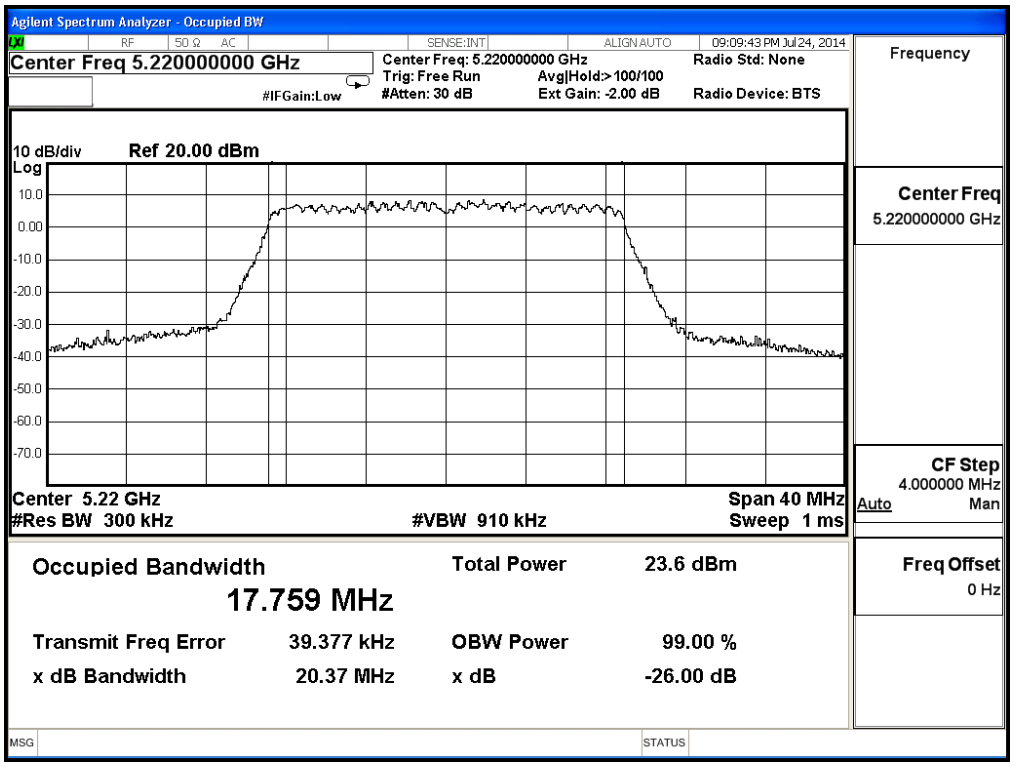
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode2: Transmit (Beamforming)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

IEEE 802.11n_20M, ANT 1					
Channel No.	Frequency (MHz)	26dB BW (MHz)	99 % OBW (MHz)	Required Limit (MHz)	Result
36	5180	20.45	17.768	--	Pass
44	5220	20.37	17.759	--	Pass
48	5240	20.51	17.751	--	Pass

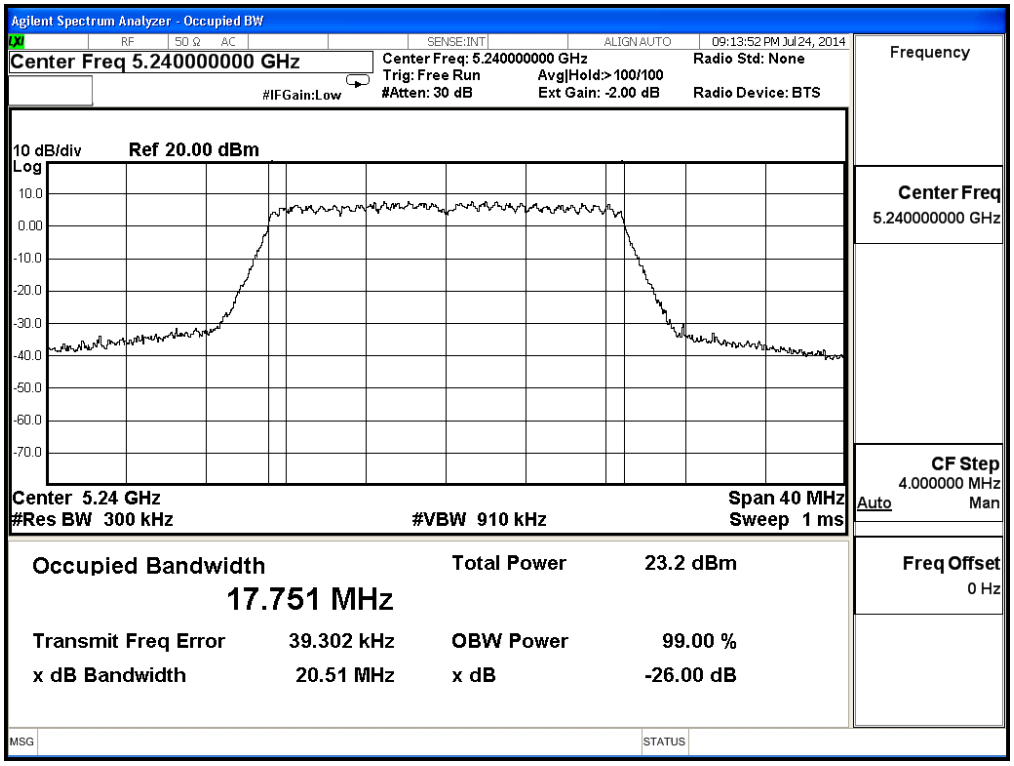
99% & 26dB Bandwidth – Channel 36



99% & 26dB Bandwidth – Channel 44



99% & 26dB Bandwidth – Channel 48

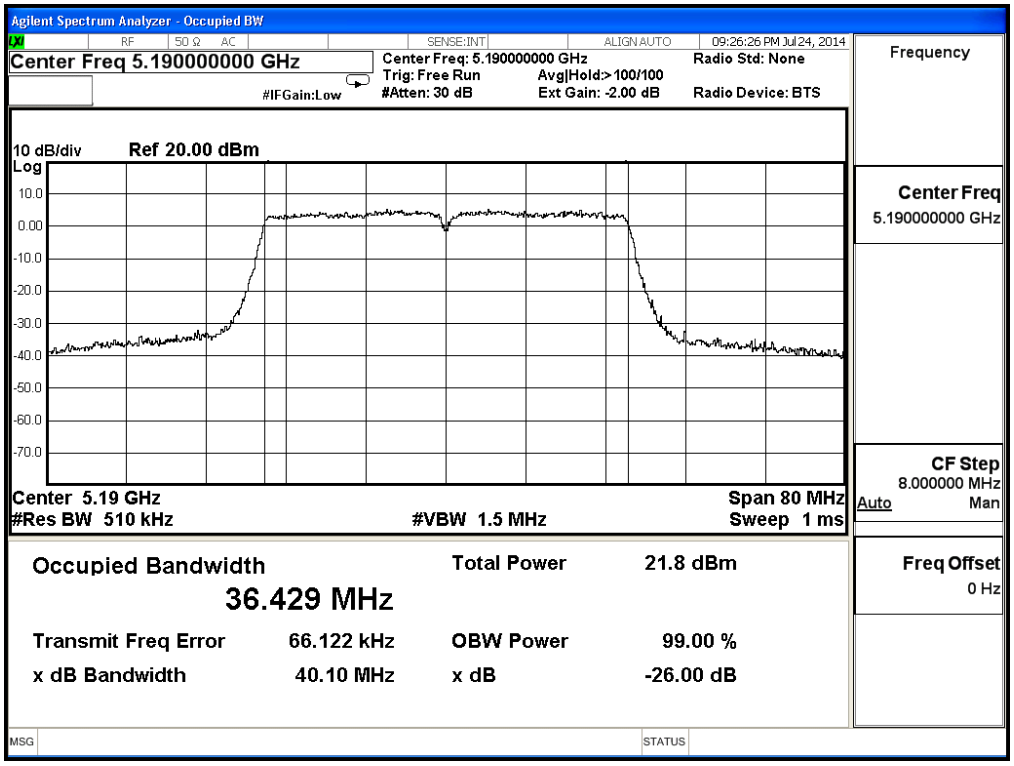


Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode2: Transmit (Beamforming)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

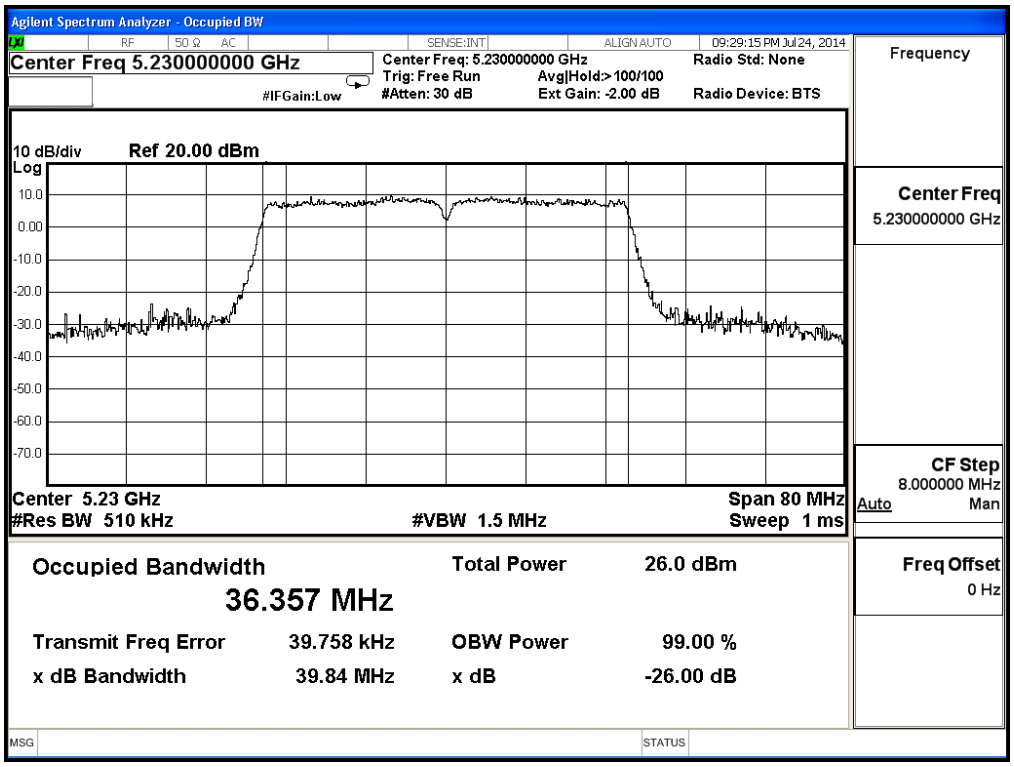
IEEE 802.11n_40M, ANT 0

Channel No.	Frequency (MHz)	26dB BW (MHz)	99 % OBW (MHz)	Required Limit (MHz)	Result
38	5190	40.10	36.429	--	Pass
46	5230	39.84	36.357	--	Pass

99% & 26dB Bandwidth – Channel 38



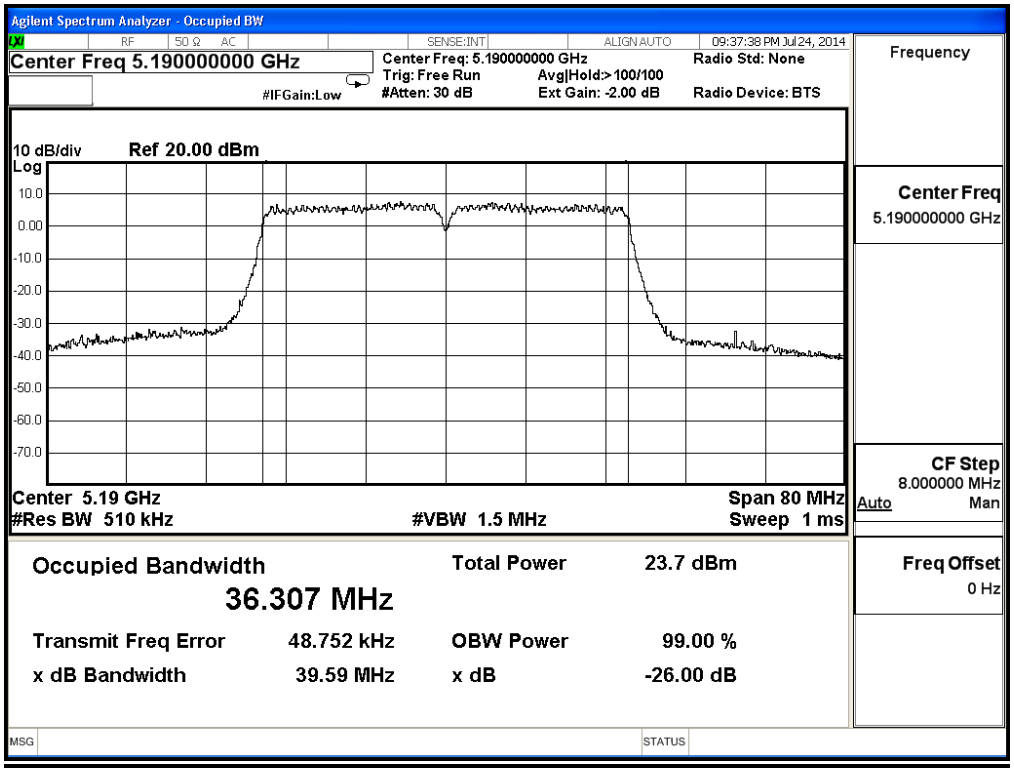
99% & 26dB Bandwidth – Channel 46



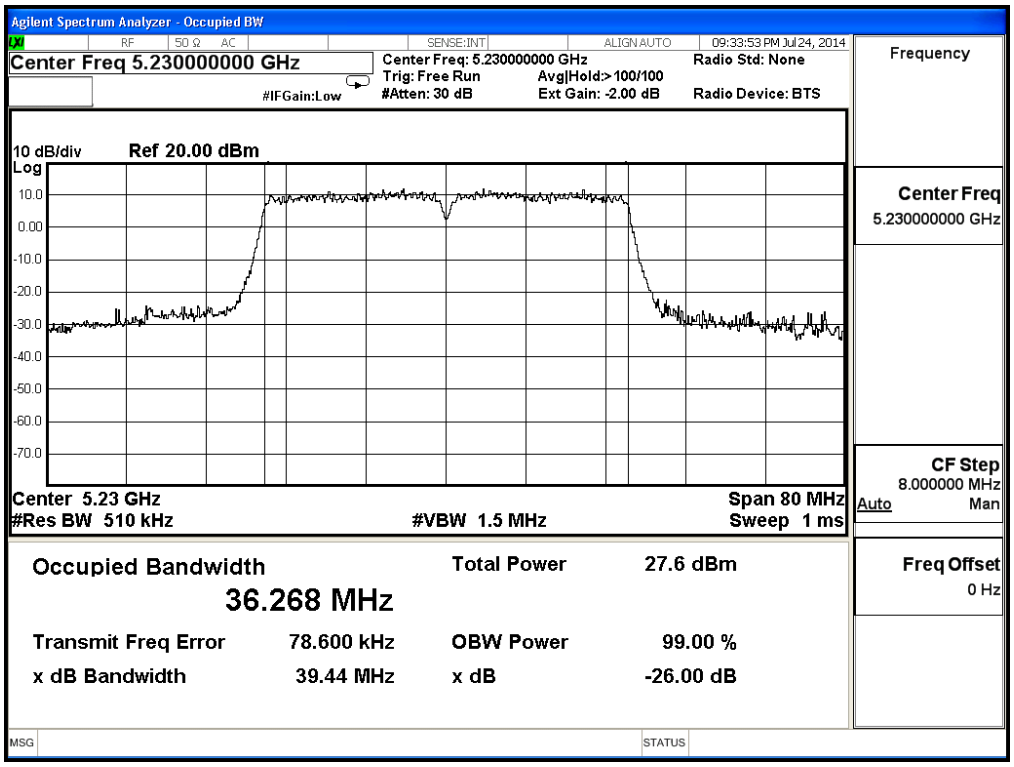
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode2: Transmit (Beamforming)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

IEEE 802.11n_40M, ANT 1					
Channel No.	Frequency (MHz)	26dB BW (MHz)	99 % OBW (MHz)	Required Limit (MHz)	Result
38	5190	39.59	36.307	--	Pass
46	5230	39.44	36.268	--	Pass

99% & 26dB Bandwidth – Channel 38



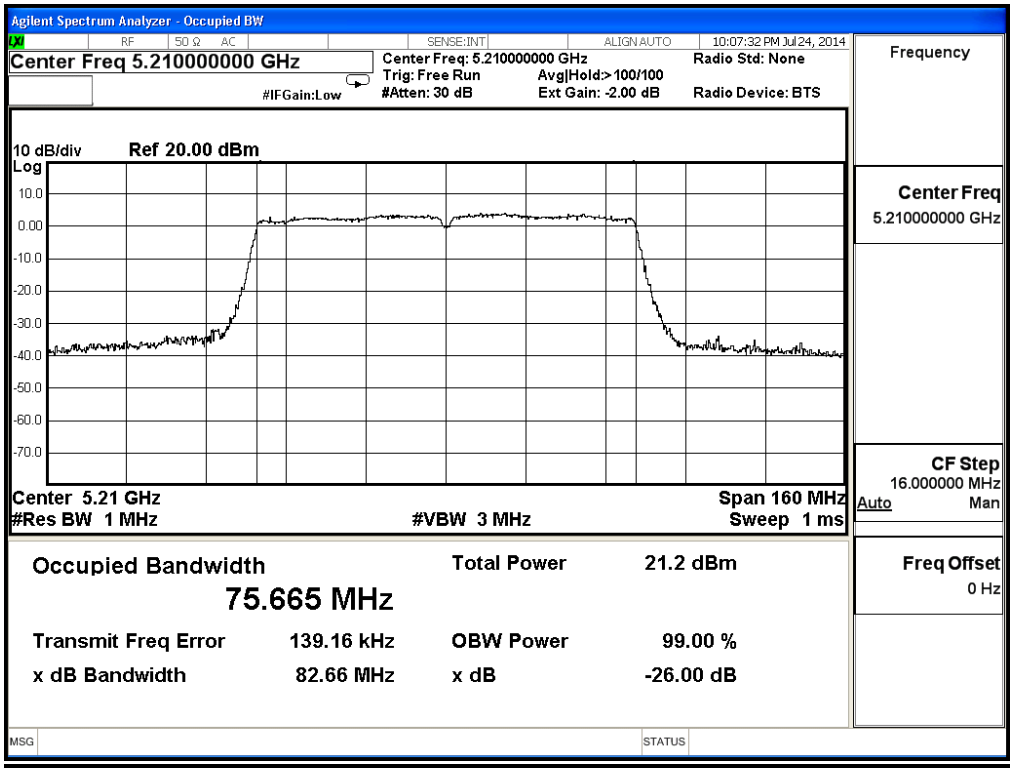
99% & 26dB Bandwidth – Channel 46



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode2: Transmit (Beamforming)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

IEEE 802.11ac_80M, ANT 0					
Channel No.	Frequency (MHz)	26dB BW (MHz)	99 % OBW (MHz)	Required Limit (MHz)	Result
42	5210	82.66	75.665	--	Pass

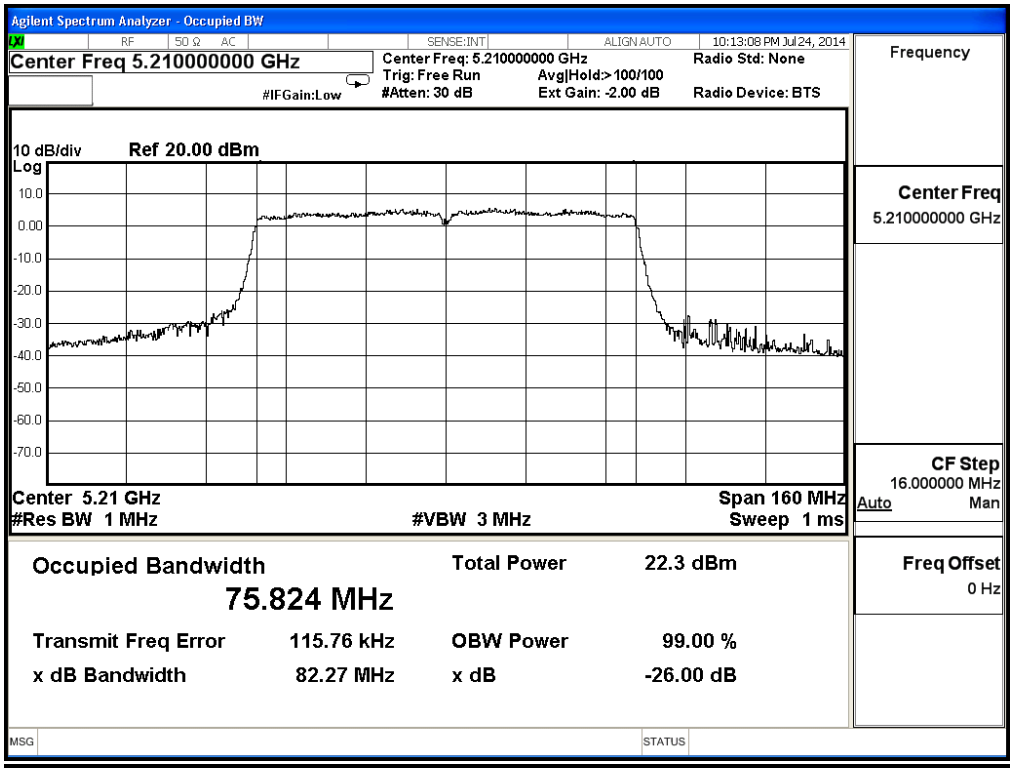
99% & 26dB Bandwidth – Channel 42



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode2: Transmit (Beamforming)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

IEEE 802.11ac_80M, ANT 1					
Channel No.	Frequency (MHz)	26dB BW (MHz)	99 % OBW (MHz)	Required Limit (MHz)	Result
42	5210	82.27	75.824	--	Pass

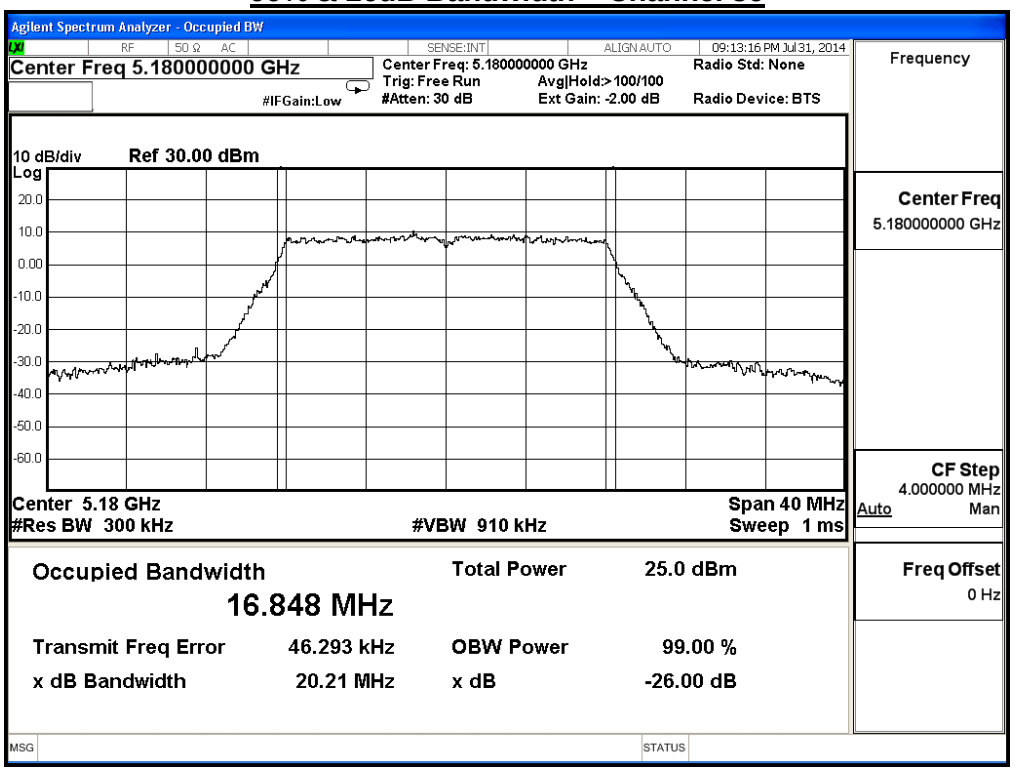
99% & 26dB Bandwidth – Channel 42



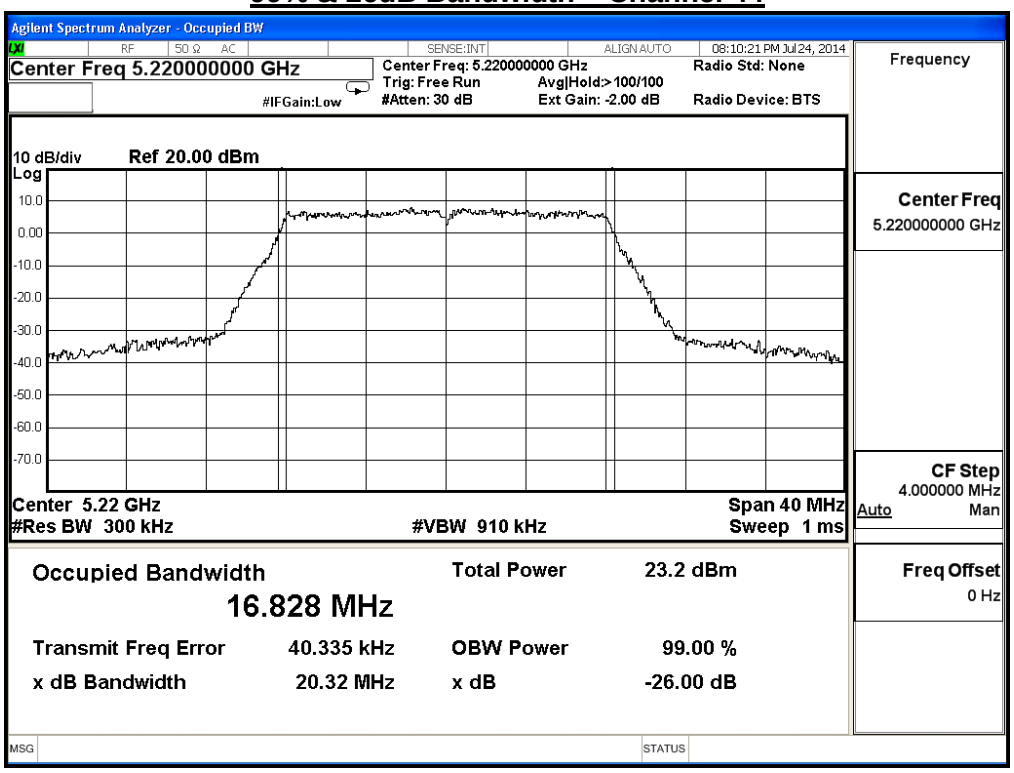
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode3: Transmit (CDD)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

IEEE 802.11a, ANT 0					
Channel No.	Frequency (MHz)	26dB BW (MHz)	99 % OBW (MHz)	Required Limit (MHz)	Result
36	5180	20.21	16.848	--	Pass
44	5220	20.32	16.828	--	Pass
48	5240	20.11	16.839	--	Pass

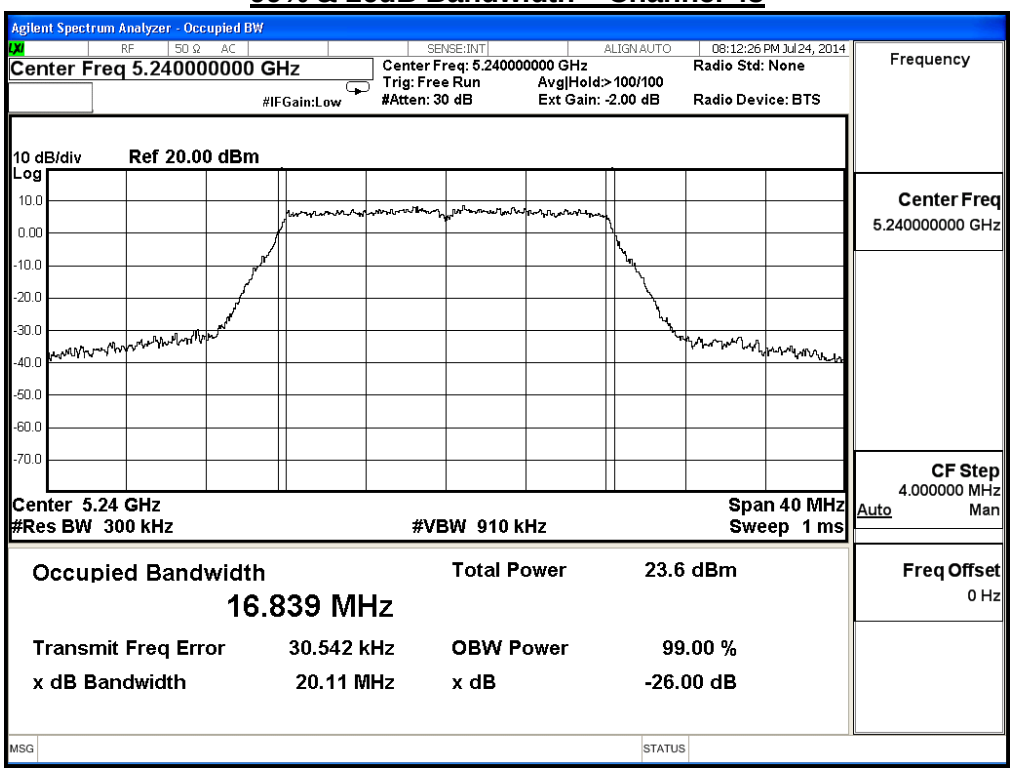
99% & 26dB Bandwidth – Channel 36



99% & 26dB Bandwidth – Channel 44



99% & 26dB Bandwidth – Channel 48

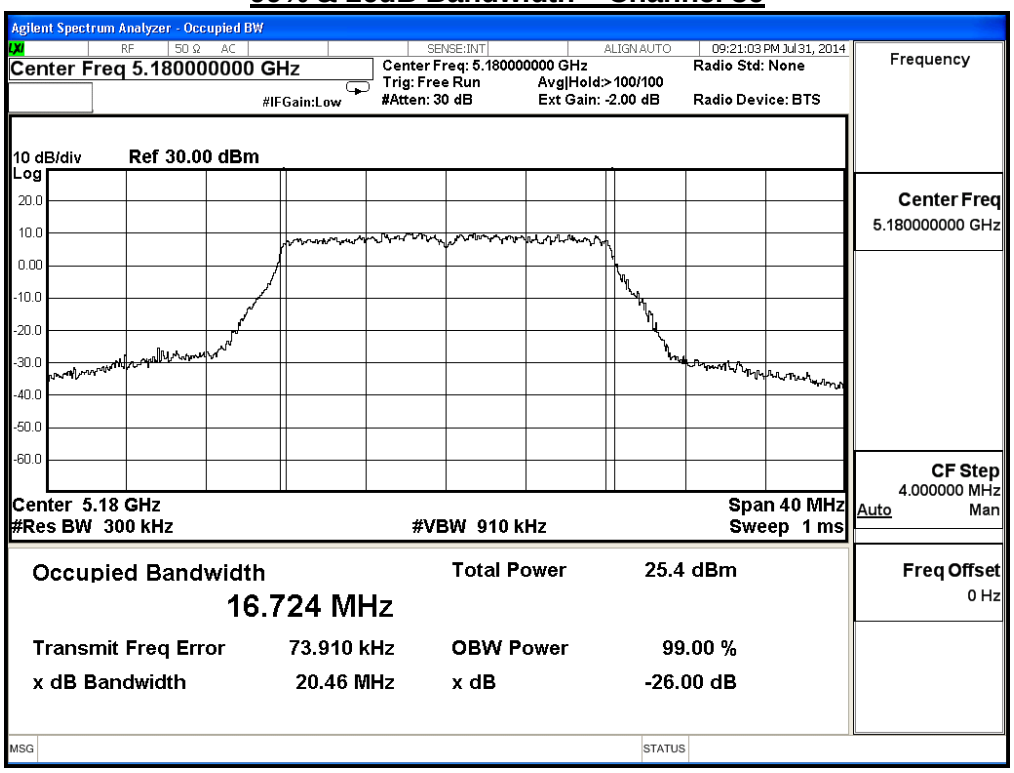


Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode3: Transmit (CDD)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

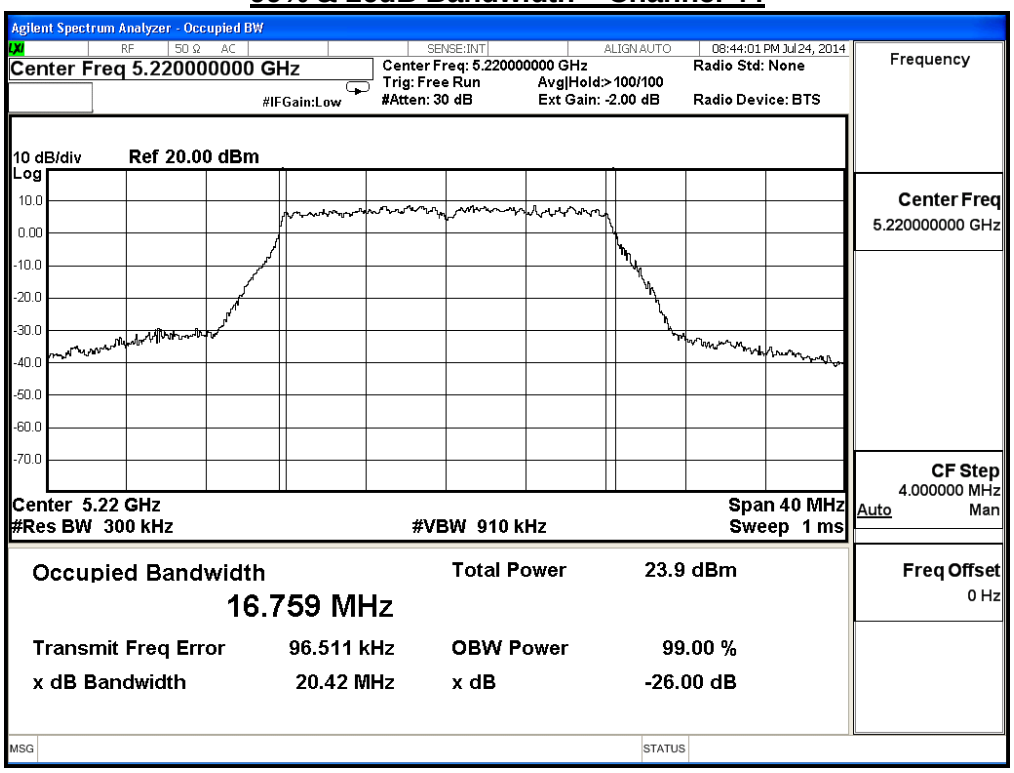
IEEE 802.11a, ANT 1

Channel No.	Frequency (MHz)	26dB BW (MHz)	99 % OBW (MHz)	Required Limit (MHz)	Result
36	5180	20.46	16.724	--	Pass
44	5220	20.42	16.759	--	Pass
48	5240	20.45	16.803	--	Pass

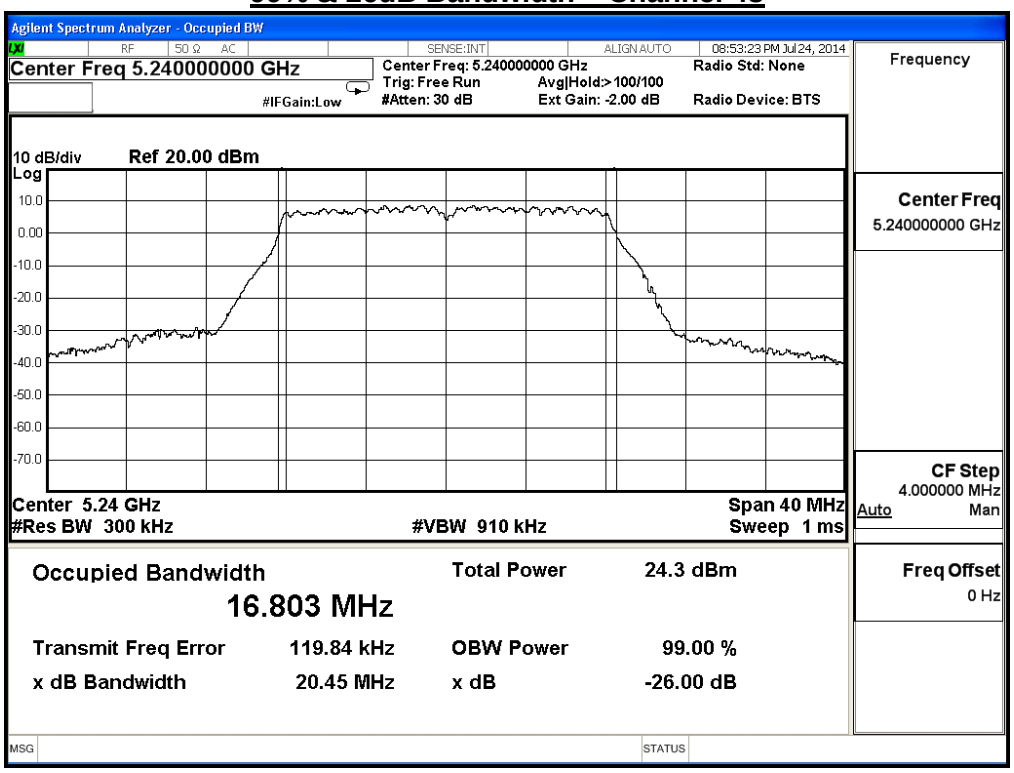
99% & 26dB Bandwidth – Channel 36



99% & 26dB Bandwidth – Channel 44



99% & 26dB Bandwidth – Channel 48

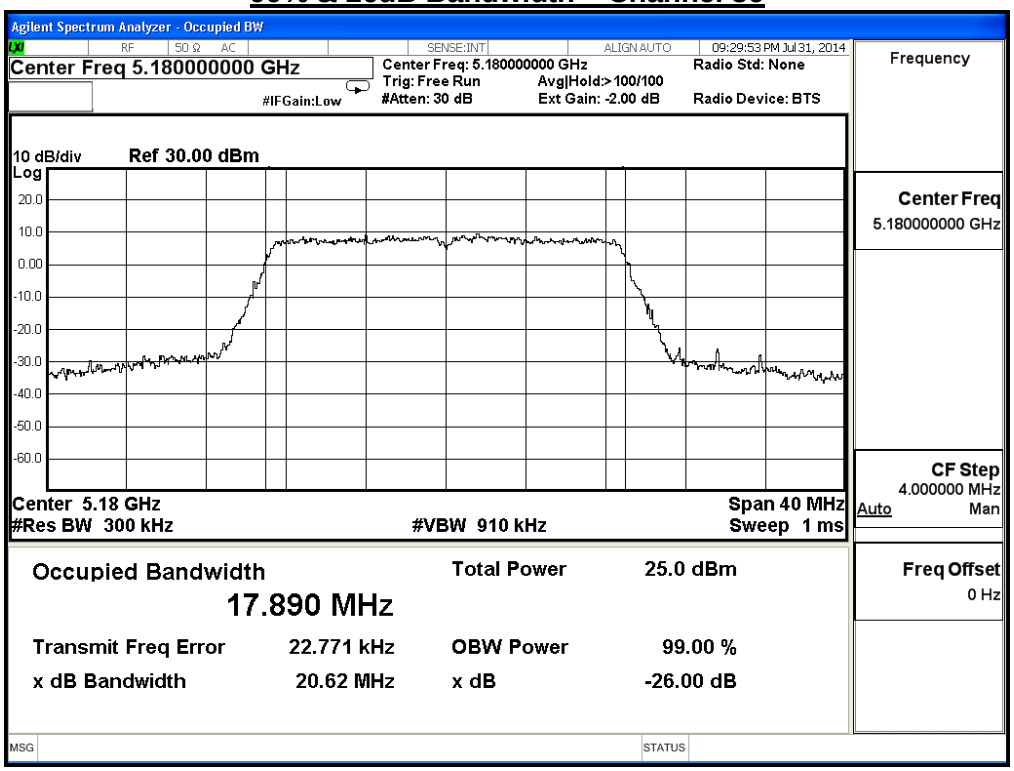


Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode3: Transmit (CDD)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

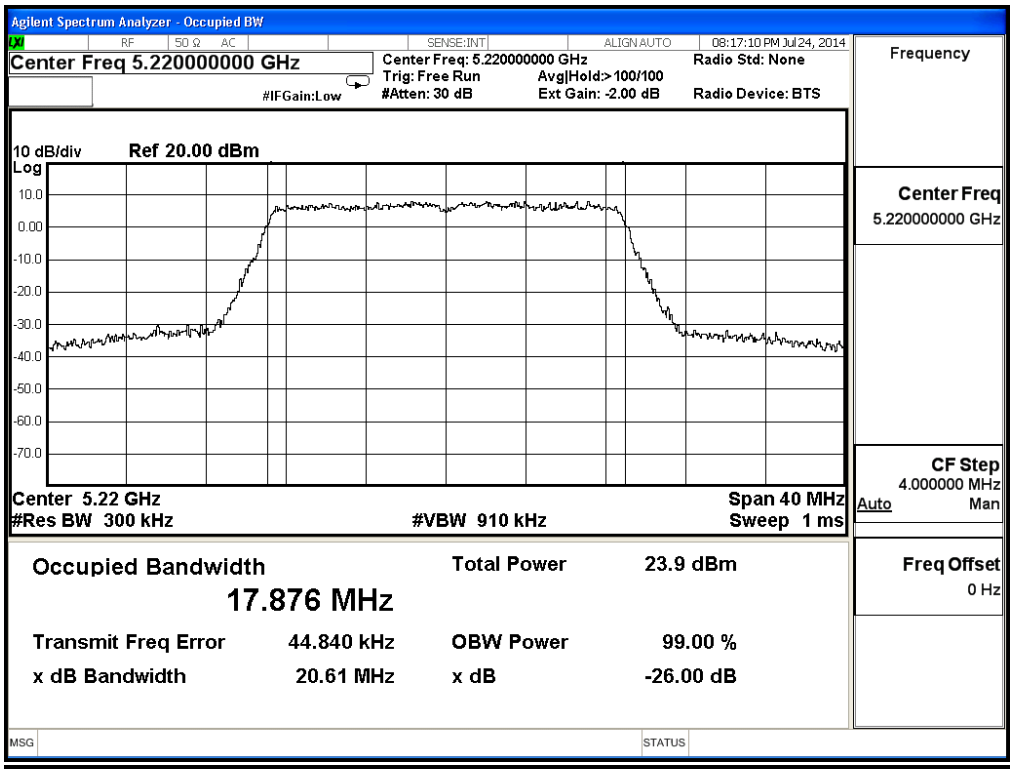
IEEE 802.11n_20M, ANT 0

Channel No.	Frequency (MHz)	26dB BW (MHz)	99 % OBW (MHz)	Required Limit (MHz)	Result
36	5180	20.62	17.890	--	Pass
44	5220	20.61	17.876	--	Pass
48	5240	20.62	17.908	--	Pass

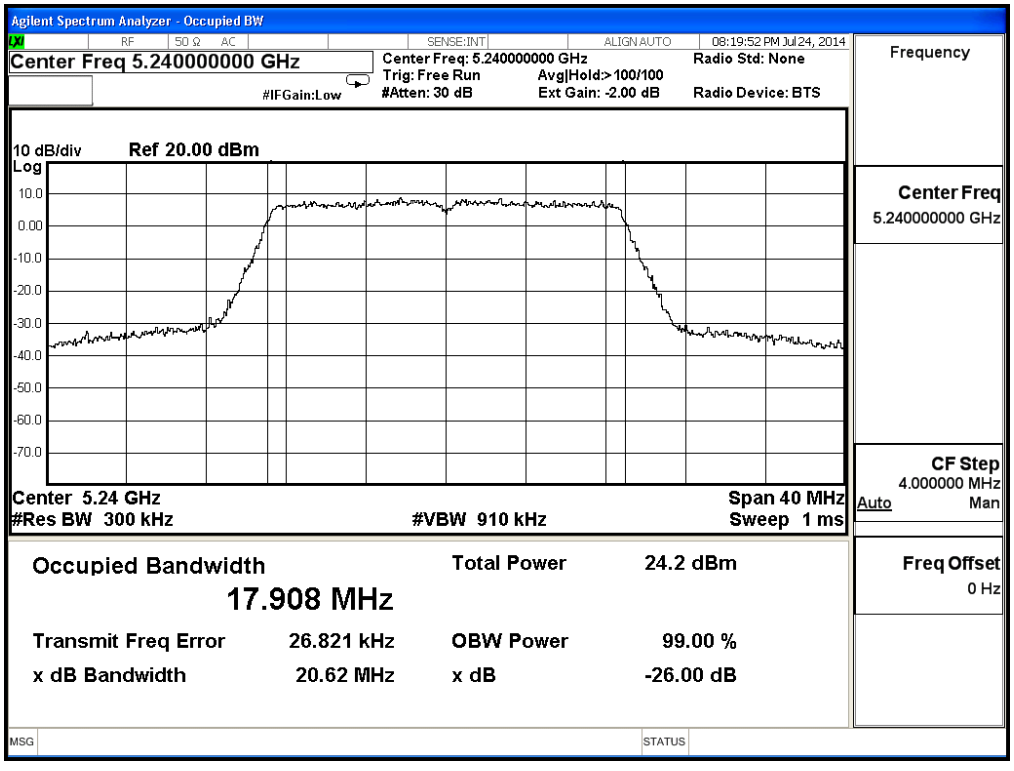
99% & 26dB Bandwidth – Channel 36



99% & 26dB Bandwidth – Channel 44



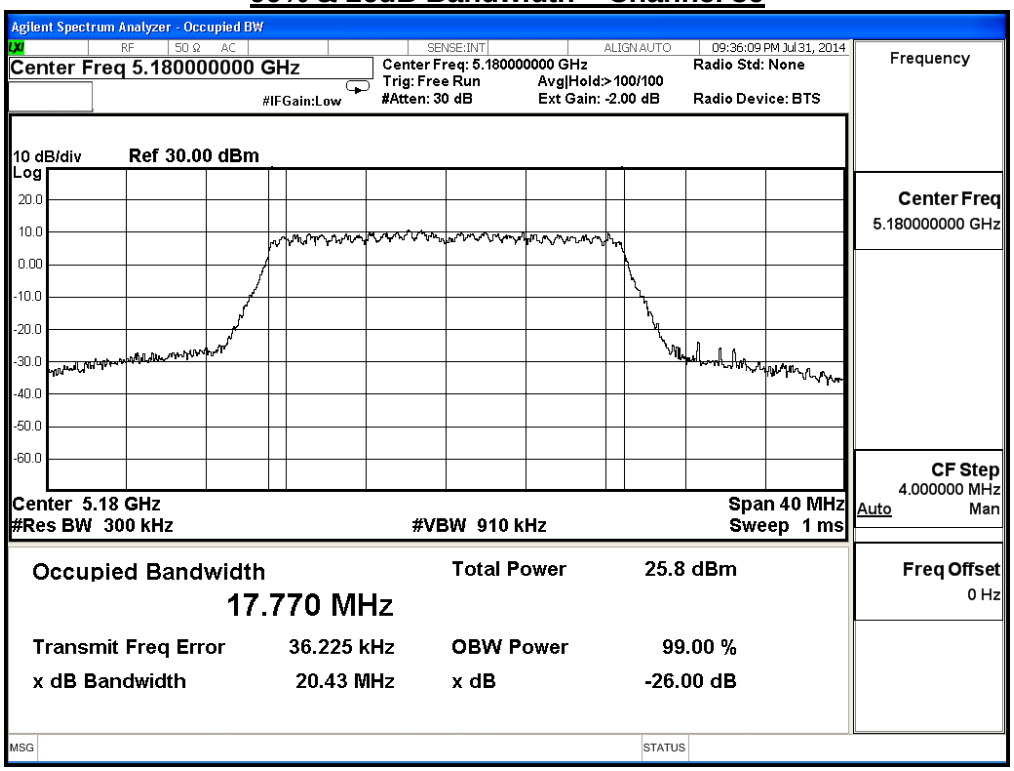
99% & 26dB Bandwidth – Channel 48



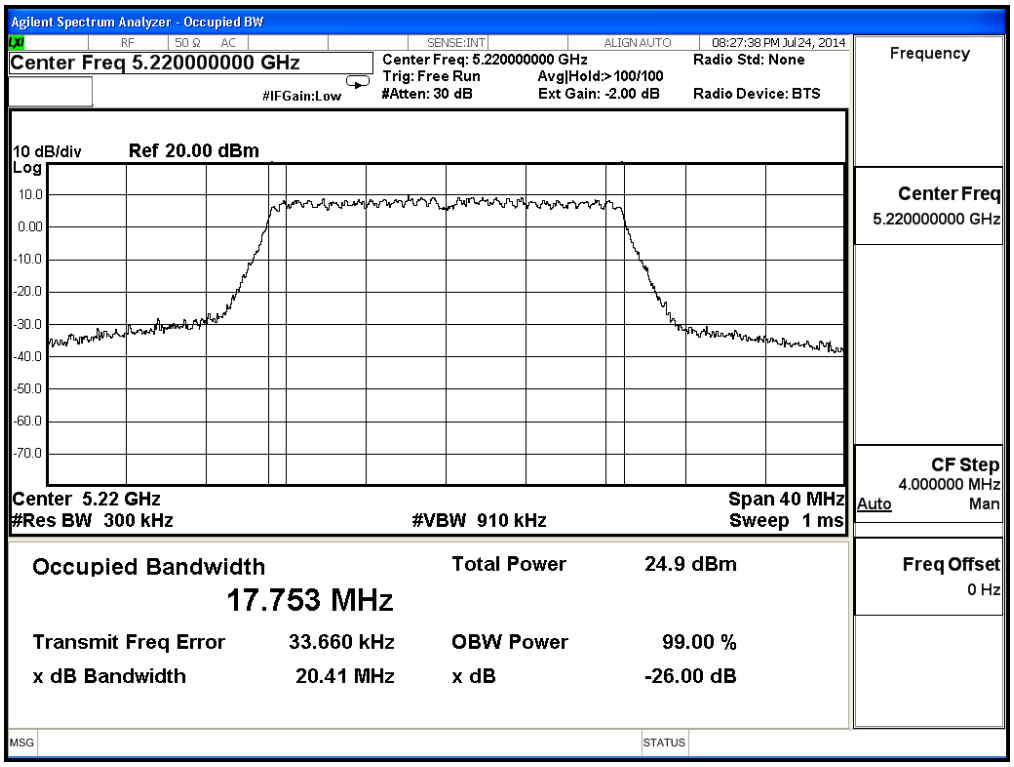
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode3: Transmit (CDD)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

IEEE 802.11n_20M, ANT 1					
Channel No.	Frequency (MHz)	26dB BW (MHz)	99 % OBW (MHz)	Required Limit (MHz)	Result
36	5180	20.43	17.770	--	Pass
44	5220	20.41	17.753	--	Pass
48	5240	20.43	17.748	--	Pass

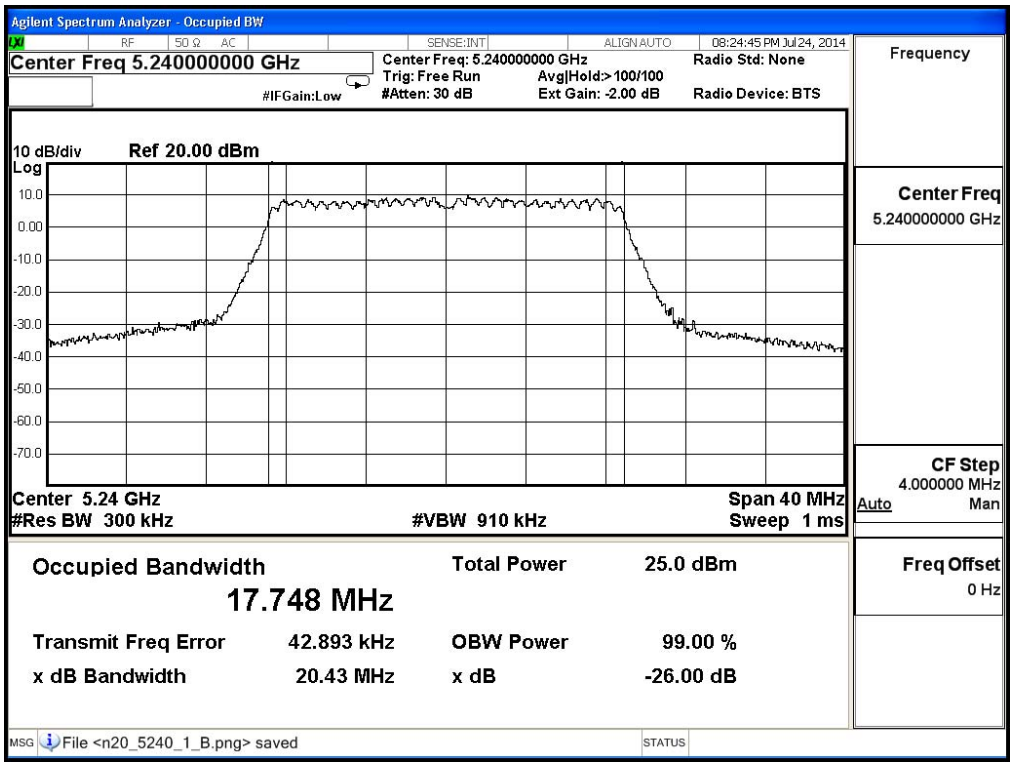
99% & 26dB Bandwidth – Channel 36



99% & 26dB Bandwidth – Channel 44



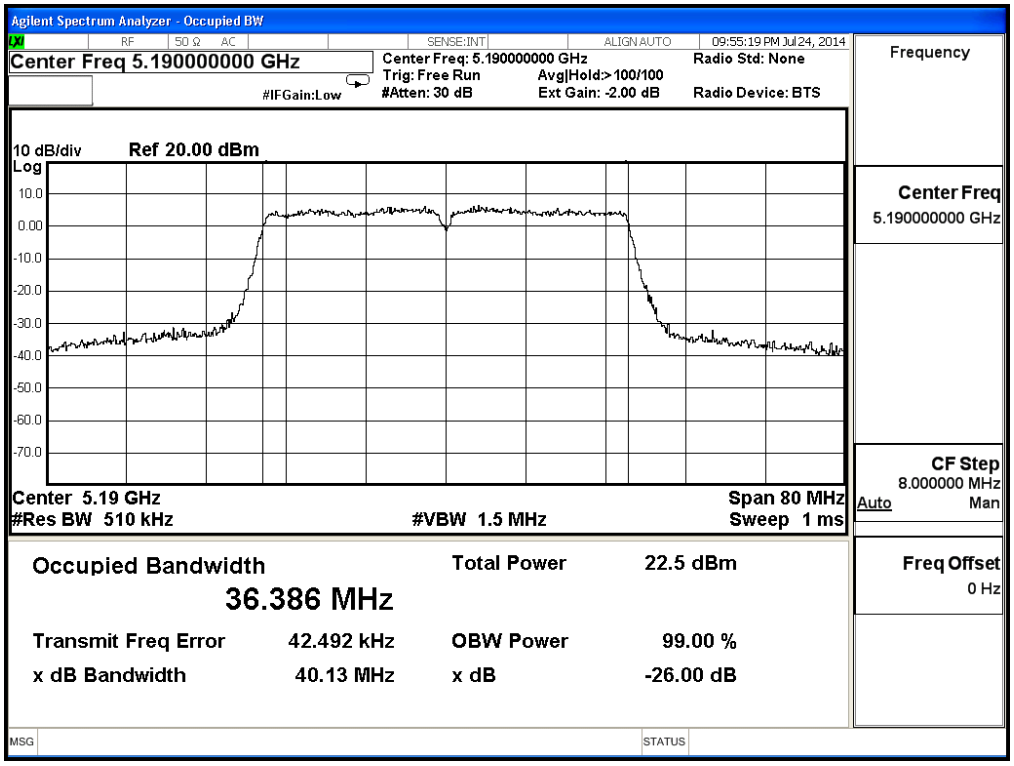
99% & 26dB Bandwidth – Channel 48



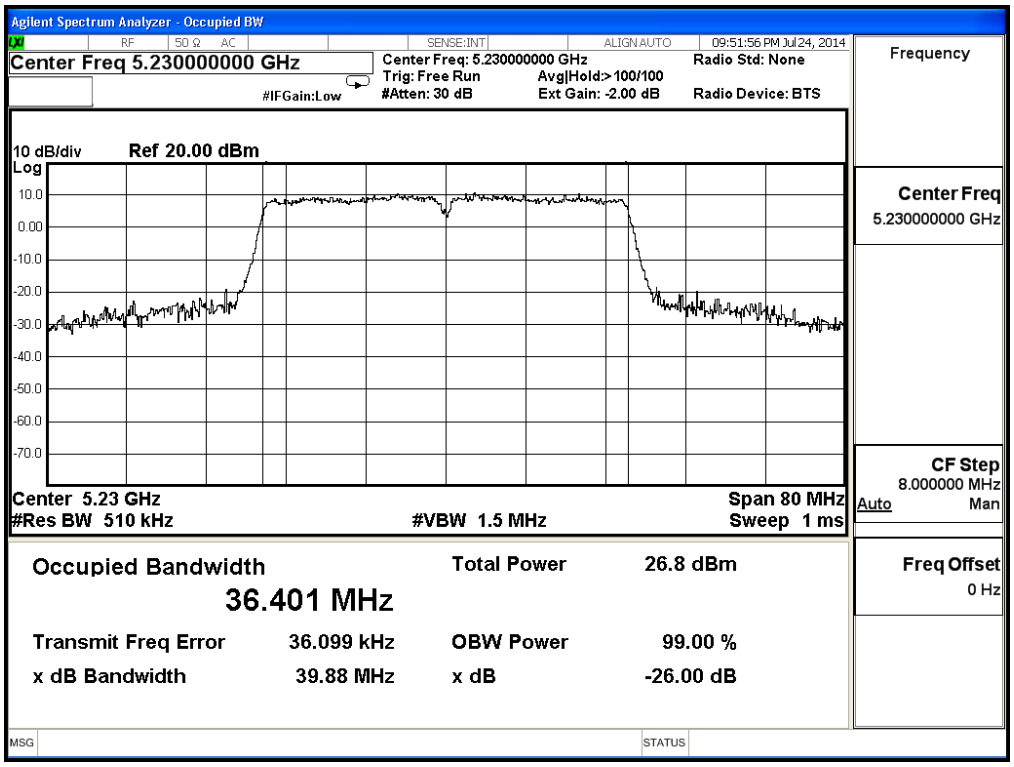
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode3: Transmit (CDD)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

IEEE 802.11n_40M, ANT 0					
Channel No.	Frequency (MHz)	26dB BW (MHz)	99 % OBW (MHz)	Required Limit (MHz)	Result
38	5190	40.13	36.386	--	Pass
46	5230	39.88	36.401	--	Pass

99% & 26dB Bandwidth – Channel 38



99% & 26dB Bandwidth – Channel 46

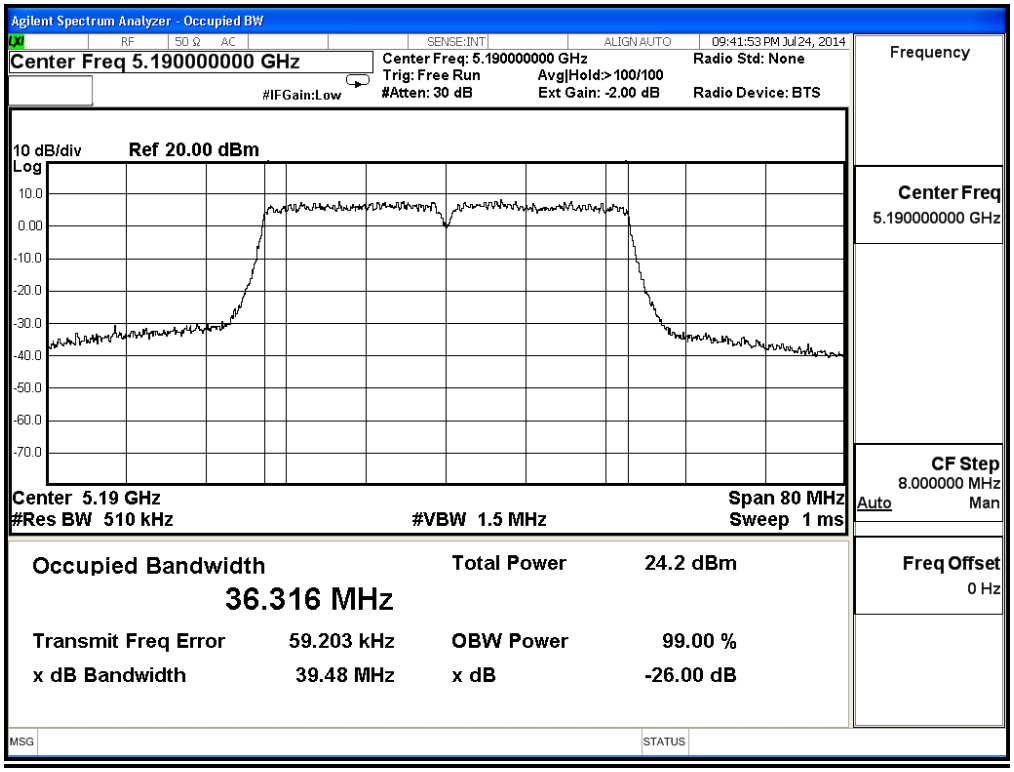


Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode3: Transmit (CDD)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

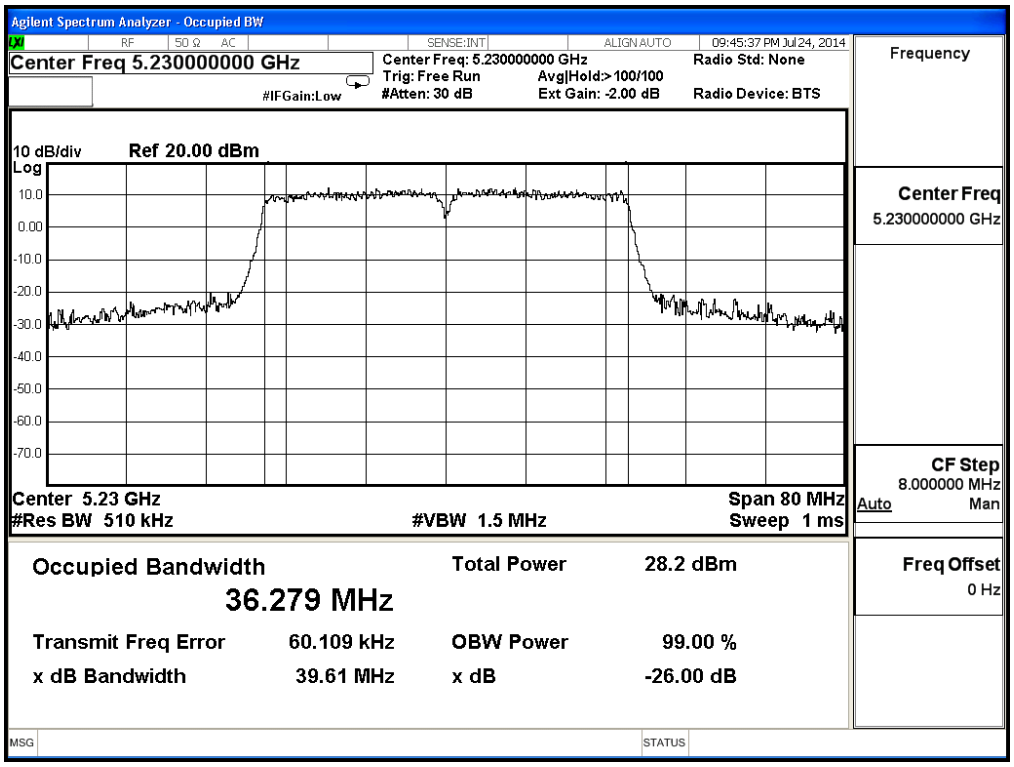
IEEE 802.11n_40M, ANT 1

Channel No.	Frequency (MHz)	26dB BW (MHz)	99 % OBW (MHz)	Required Limit (MHz)	Result
38	5190	39.48	36.316	--	Pass
46	5230	39.61	36.279	--	Pass

99% & 26dB Bandwidth – Channel 38



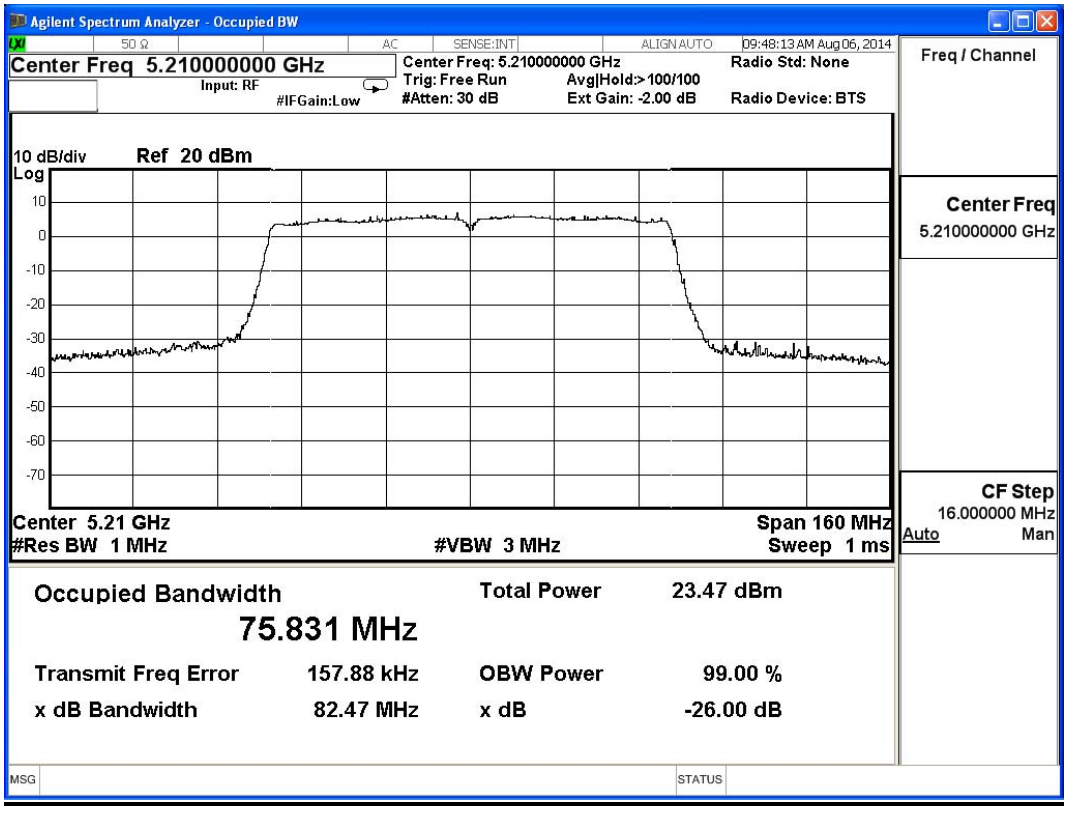
99% & 26dB Bandwidth – Channel 46



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode3: Transmit (CDD)_Repeat Mode		
Date of Test	2014/08/06	Test Site	SR7

IEEE 802.11ac_80M, ANT 0					
Channel No.	Frequency (MHz)	26dB BW (MHz)	99 % OBW (MHz)	Required Limit (MHz)	Result
42	5210	82.47	75.831	--	Pass

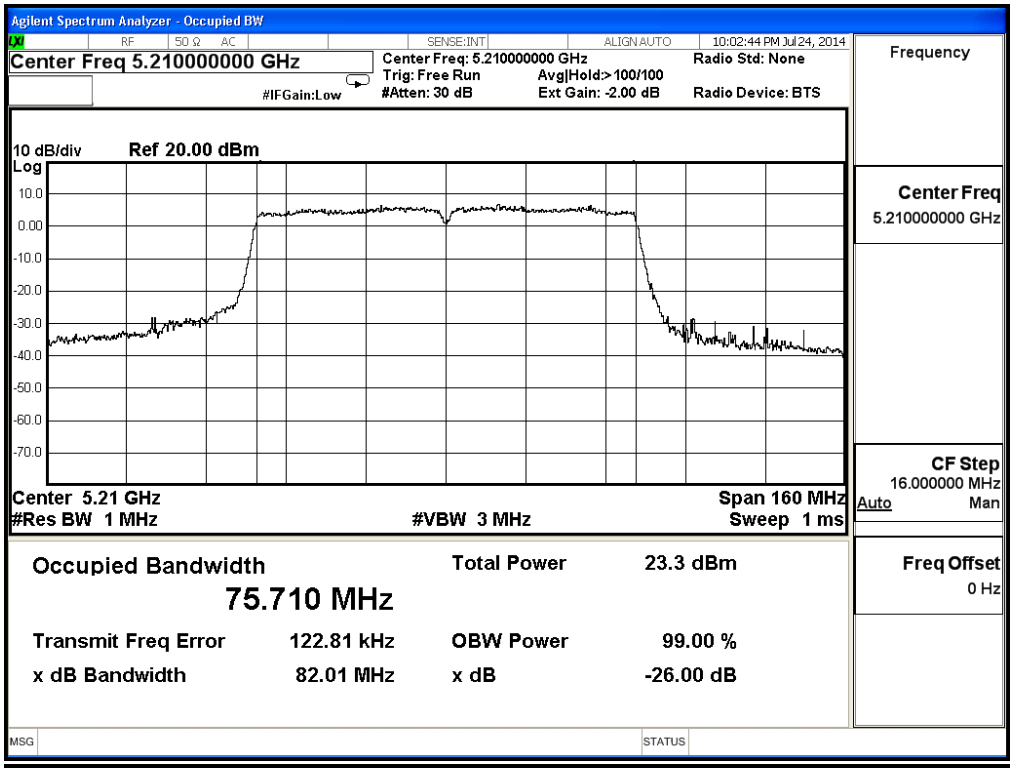
99% & 26dB Bandwidth – Channel 42



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode3: Transmit (CDD)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

IEEE 802.11ac_80M, ANT 1					
Channel No.	Frequency (MHz)	26dB BW (MHz)	99 % OBW (MHz)	Required Limit (MHz)	Result
42	5210	82.01	75.710	--	Pass

99% & 26dB Bandwidth – Channel 42

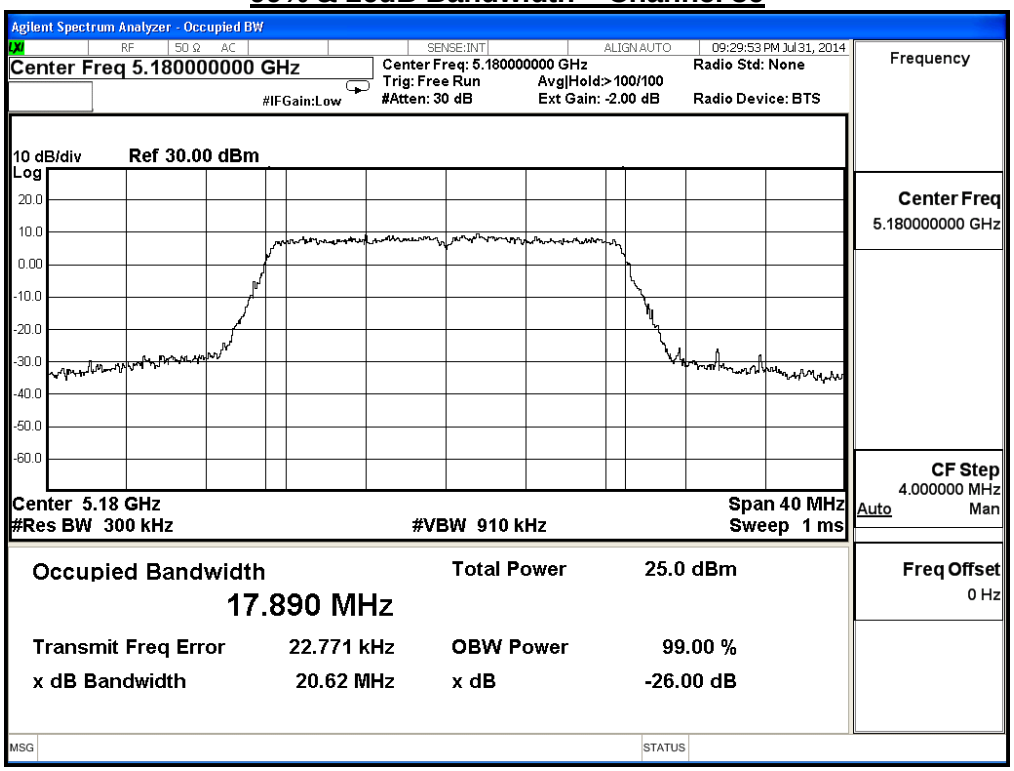


Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode4: Transmit (Beamforming)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

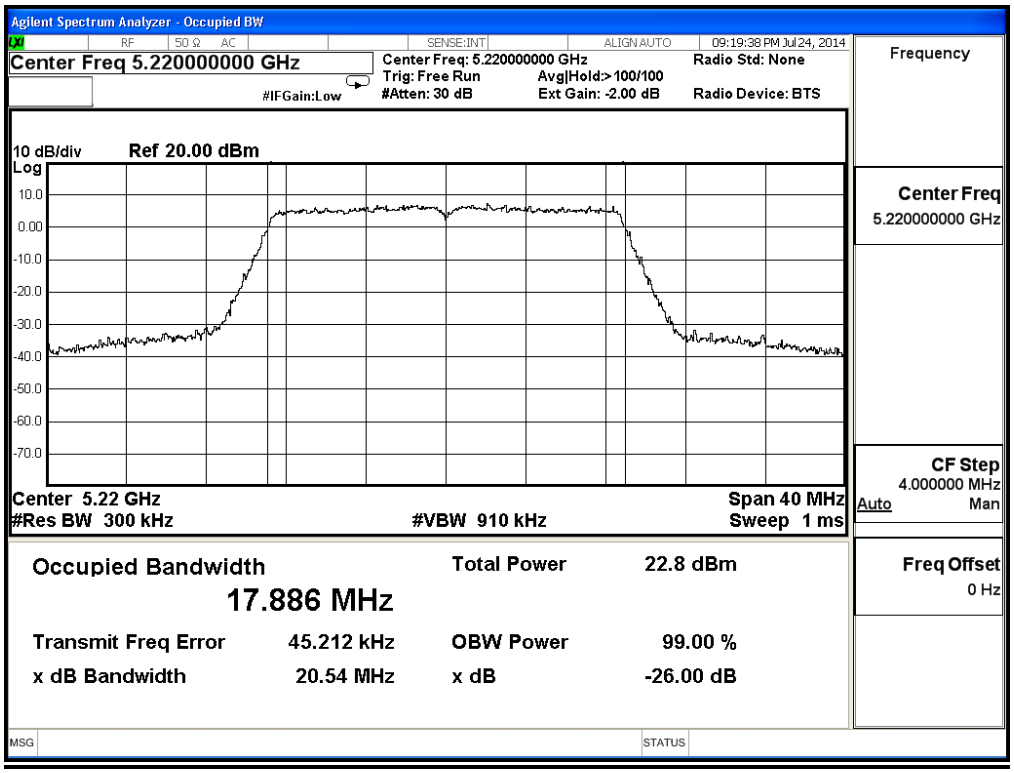
IEEE 802.11n_20M, ANT 0

Channel No.	Frequency (MHz)	26dB BW (MHz)	99 % OBW (MHz)	Required Limit (MHz)	Result
36	5180	20.62	17.890	--	Pass
44	5220	20.54	17.886	--	Pass
48	5240	20.85	17.904	--	Pass

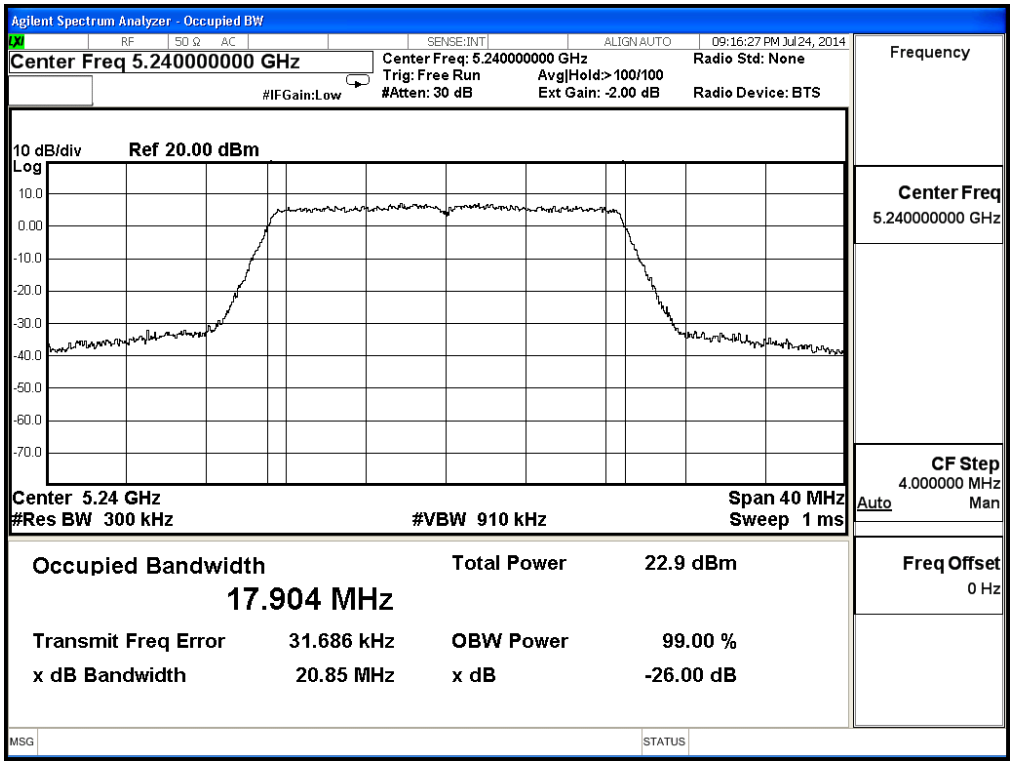
99% & 26dB Bandwidth – Channel 36



99% & 26dB Bandwidth – Channel 44



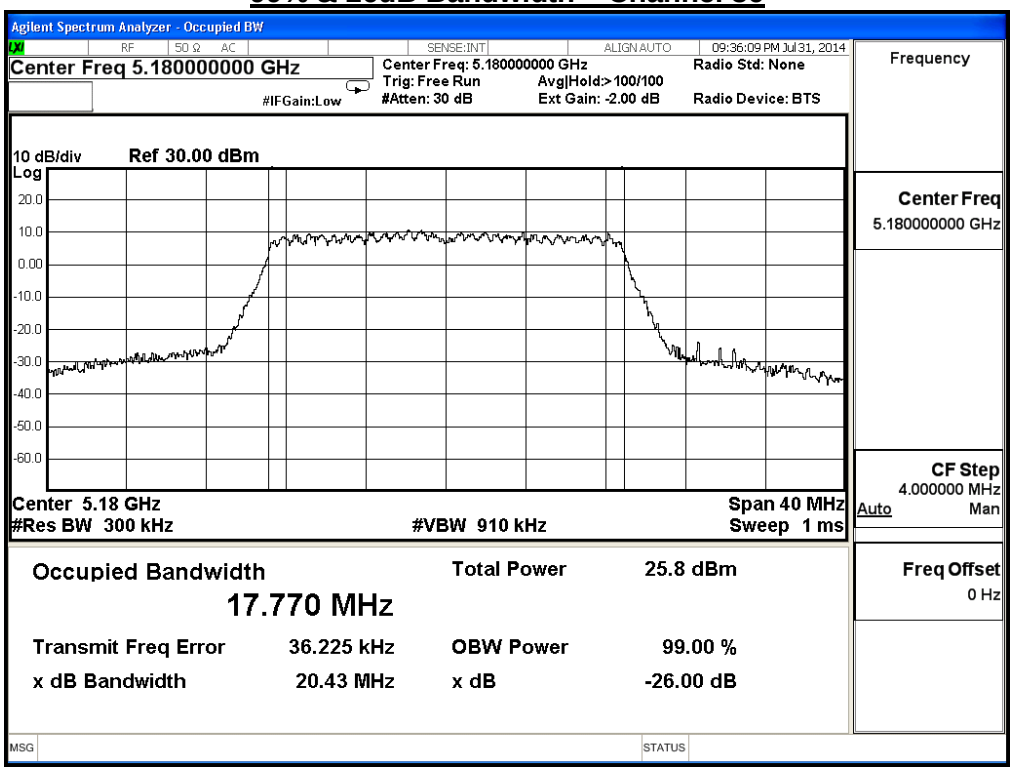
99% & 26dB Bandwidth – Channel 48



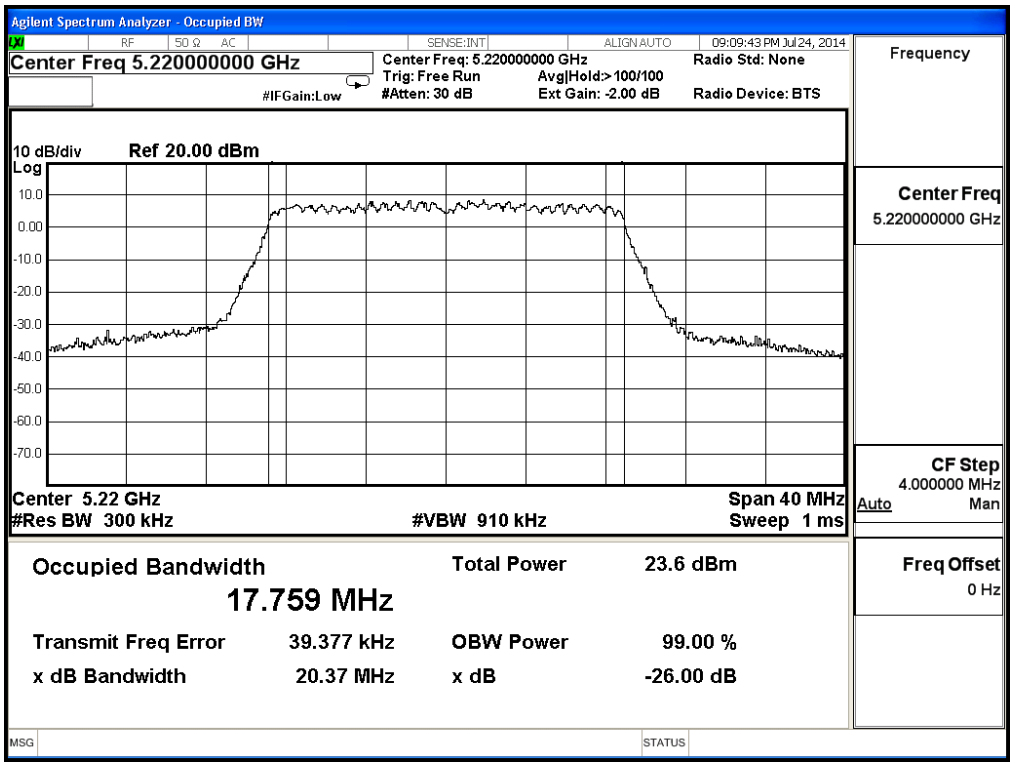
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode4: Transmit (Beamforming)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

IEEE 802.11n_20M, ANT 1					
Channel No.	Frequency (MHz)	26dB BW (MHz)	99 % OBW (MHz)	Required Limit (MHz)	Result
36	5180	20.43	17.770	--	Pass
44	5220	20.37	17.759	--	Pass
48	5240	20.51	17.751	--	Pass

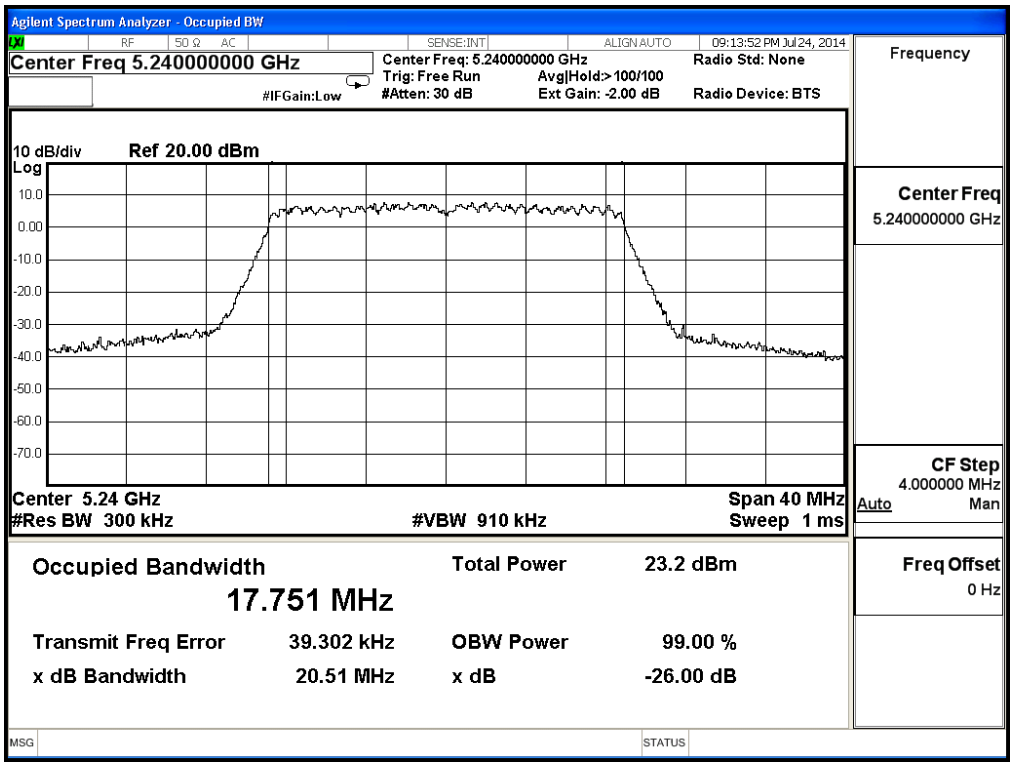
99% & 26dB Bandwidth – Channel 36



99% & 26dB Bandwidth – Channel 44



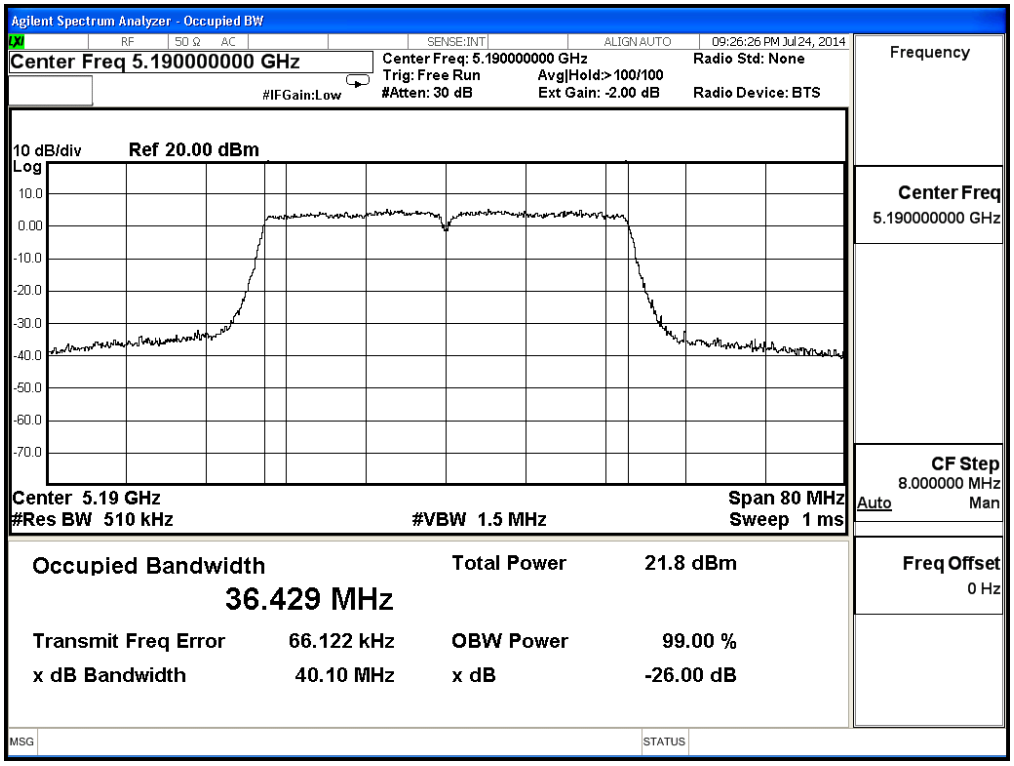
99% & 26dB Bandwidth – Channel 48



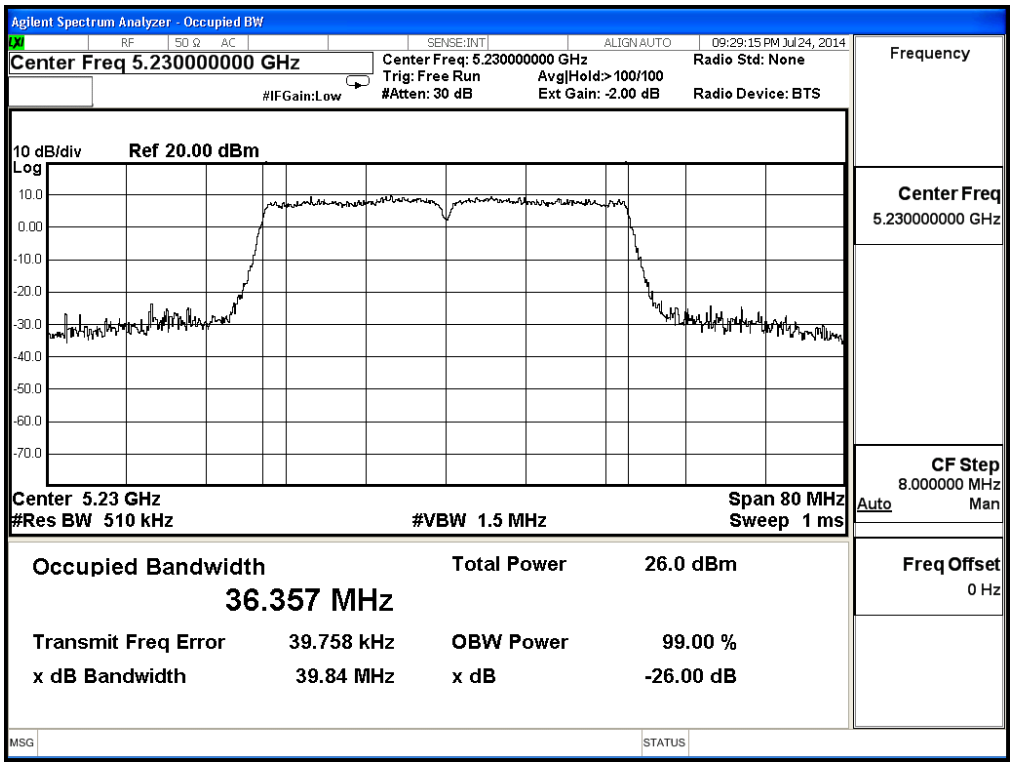
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode4: Transmit (Beamforming)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

IEEE 802.11n_40M, ANT 0					
Channel No.	Frequency (MHz)	26dB BW (MHz)	99 % OBW (MHz)	Required Limit (MHz)	Result
38	5190	40.10	36.429	--	Pass
46	5230	39.84	36.357	--	Pass

99% & 26dB Bandwidth – Channel 38



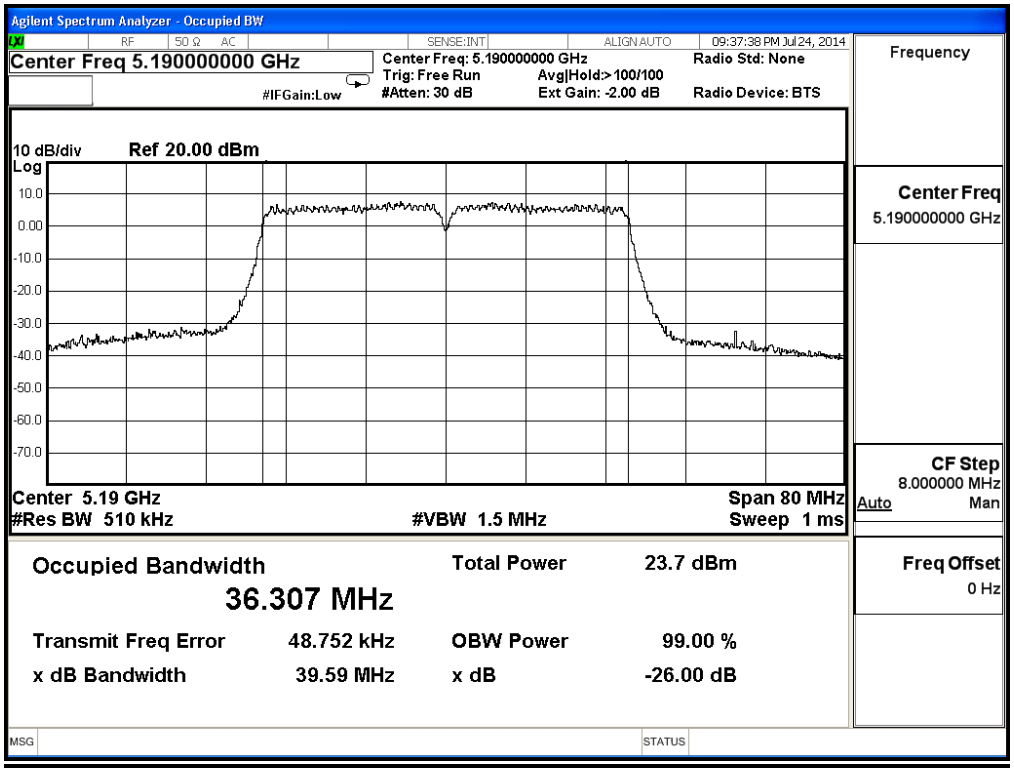
99% & 26dB Bandwidth – Channel 46



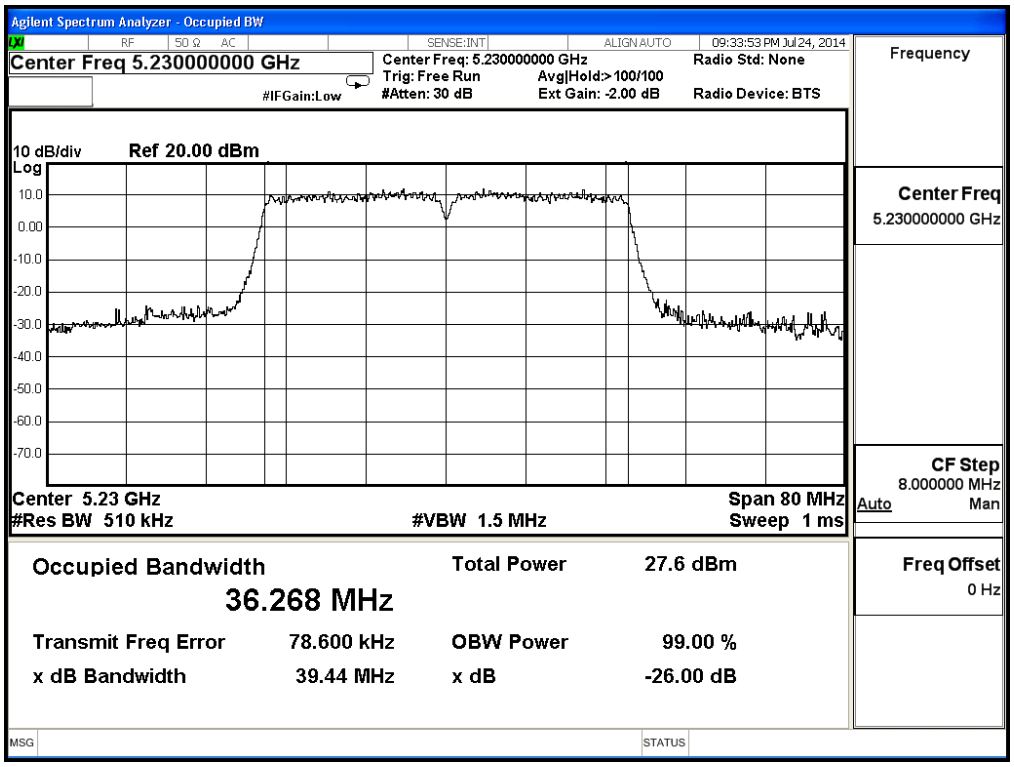
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode4: Transmit (Beamforming)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

IEEE 802.11n_40M, ANT 1					
Channel No.	Frequency (MHz)	26dB BW (MHz)	99 % OBW (MHz)	Required Limit (MHz)	Result
38	5190	39.59	36.307	--	Pass
46	5230	39.44	36.268	--	Pass

99% & 26dB Bandwidth – Channel 38



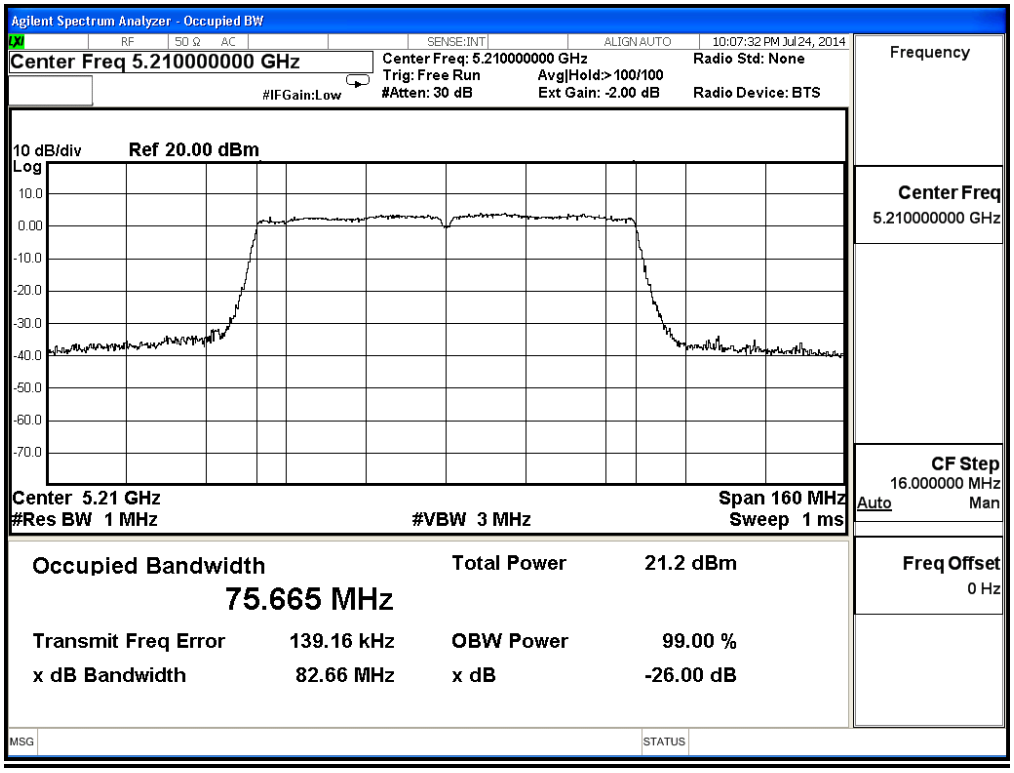
99% & 26dB Bandwidth – Channel 46



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode4: Transmit (Beamforming)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

IEEE 802.11ac_80M, ANT 0					
Channel No.	Frequency (MHz)	26dB BW (MHz)	99 % OBW (MHz)	Required Limit (MHz)	Result
42	5210	82.66	75.665	--	Pass

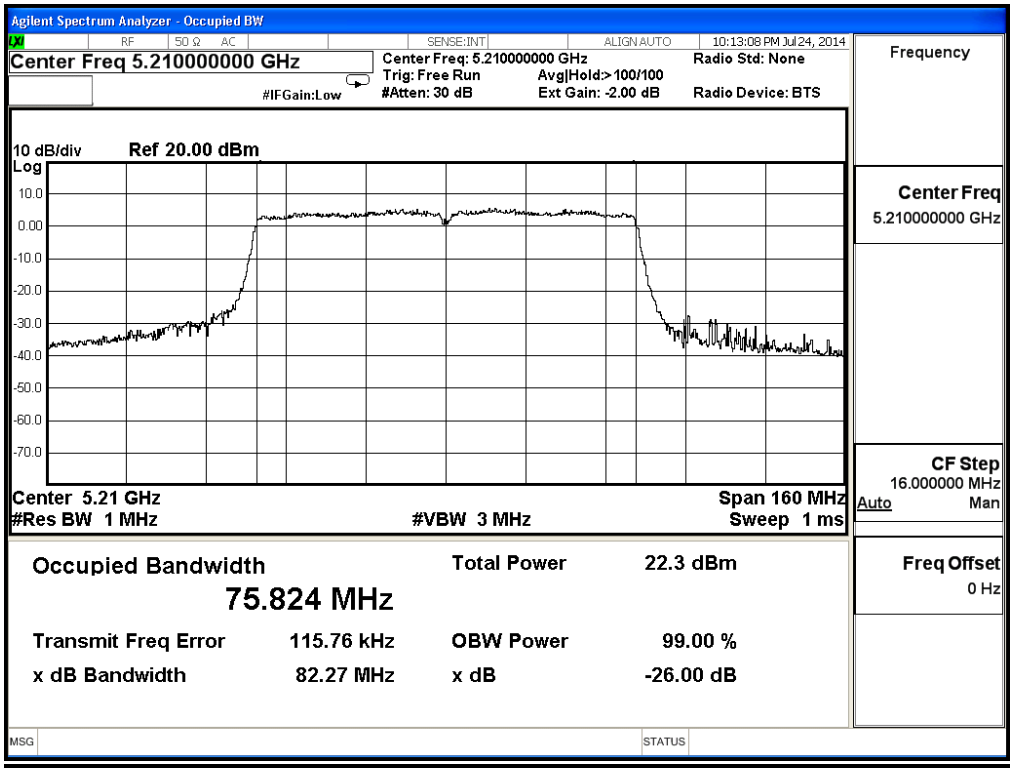
99% & 26dB Bandwidth – Channel 42



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode4: Transmit (Beamforming)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

IEEE 802.11ac_80M, ANT 1					
Channel No.	Frequency (MHz)	26dB BW (MHz)	99 % OBW (MHz)	Required Limit (MHz)	Result
42	5210	82.27	75.824	--	Pass

99% & 26dB Bandwidth – Channel 42



4. Peak Transmit Output

4.1. Test Equipment

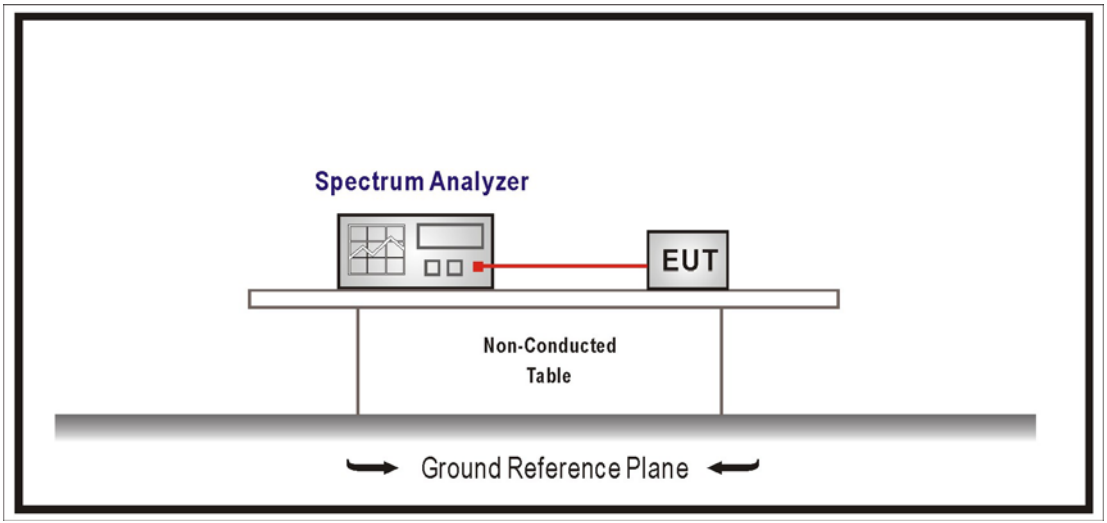
The following test equipments are used during the radiated emission tests:

Peak Transmit Output / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2015/07/14

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 or 30 dBm, where B is the 26dB emission bandwidth in MHz. 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 or 11 dBm + 10log B, where B is the 26dB emission bandwidth in MHz. 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 or 30 dBm, where B is the 26dB emission bandwidth in MHz. 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; tested to U-NII test procedure of KDB 789033 for compliance to FCC 47CFR Subpart E requirements. The Method SA-1 of the Maximum conducted output power was used.

Set RBW=1MHz, VBW≧3MHz with RMS detector and trace average 100 traces in power averaging mode. Set span to encompass the entire emission bandwidth (EBW) of the signal. Compute power by integrating the spectrum across the 26 dB EBW of the signal.

4.5. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB

4.6. Test Result

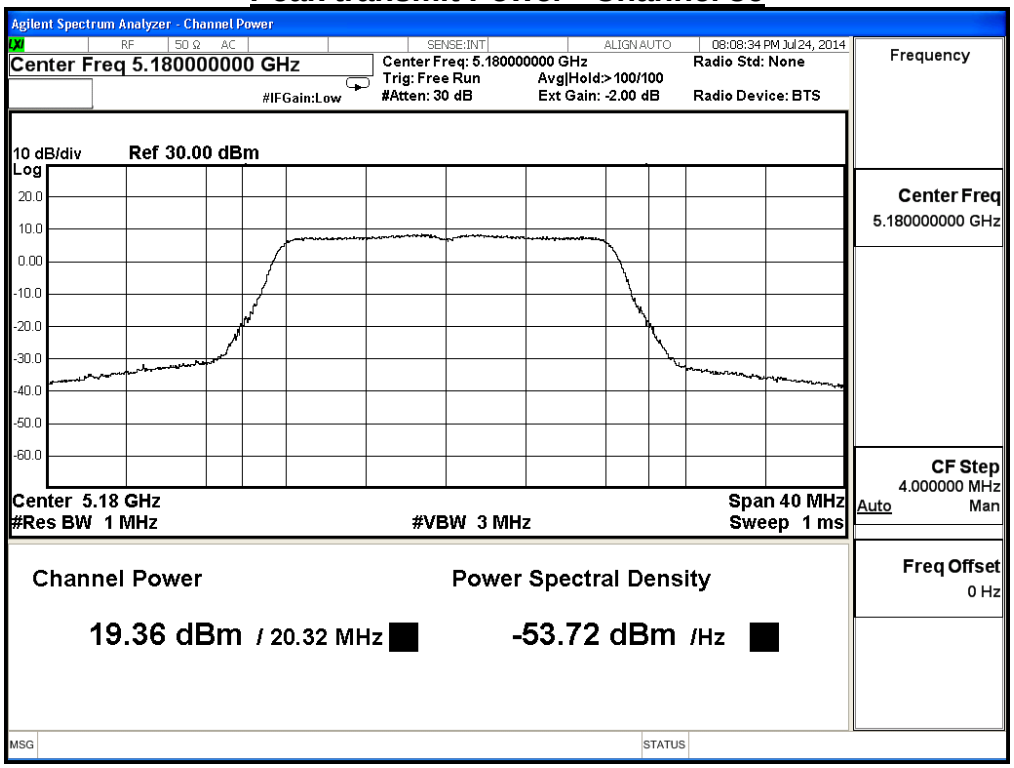
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

IEEE 802.11a, ANT 0					
Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Required Limit	Result
36	5180	20.32	19.36	≤30	Pass
44	5220	20.32	16.89	≤30	Pass
48	5240	20.11	16.91	≤30	Pass

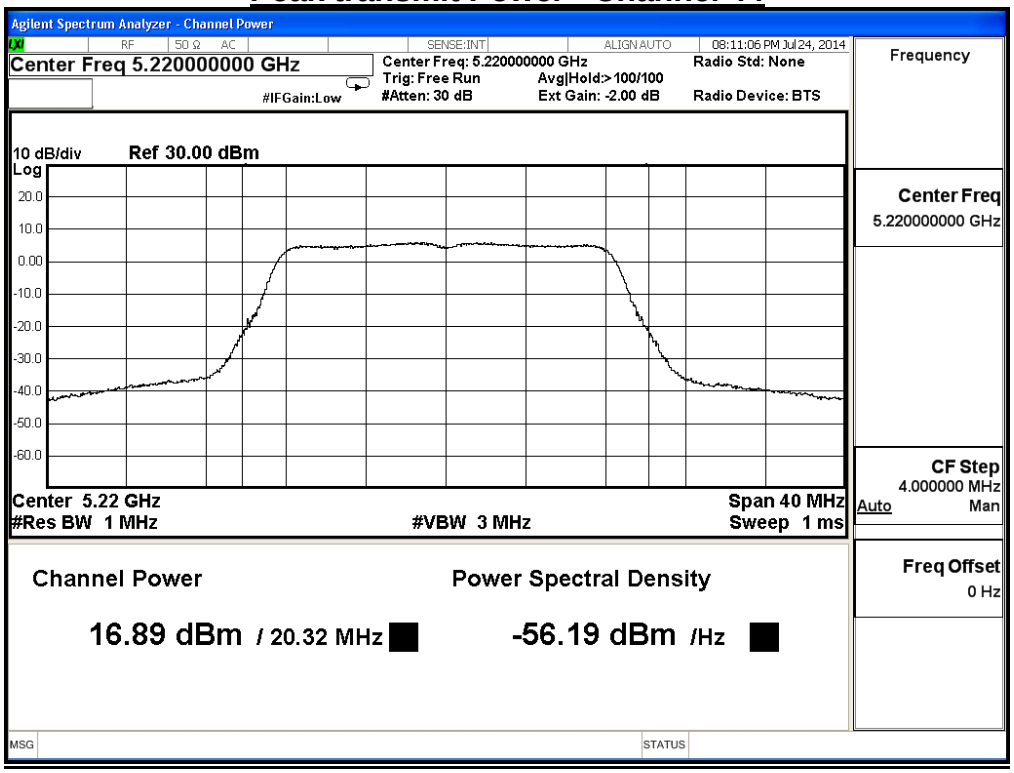
The worst emission of data rate is 6 Mbps.

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
36	5180	19.36	--	--	--	--	--	--	30dBm
44	5220	16.89	16.69	16.59	16.49	16.39	16.15	16.03	
48	5240	16.91	--	--	--	--	--	--	

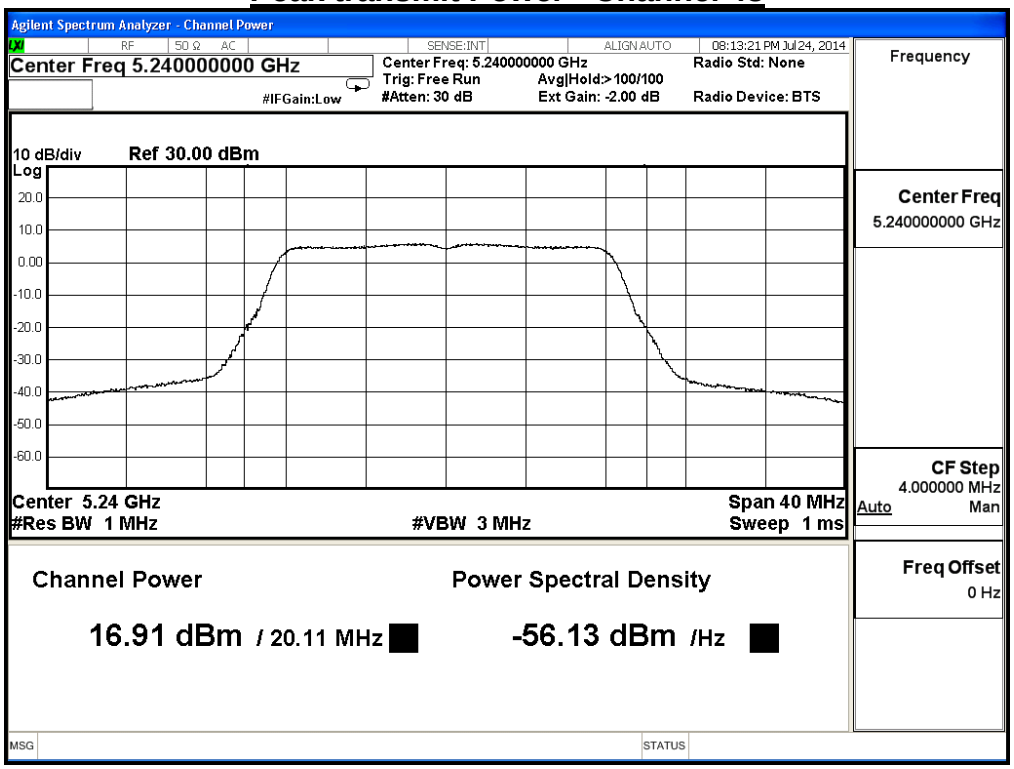
Peak transmit Power - Channel 36



Peak transmit Power - Channel 44



Peak transmit Power - Channel 48



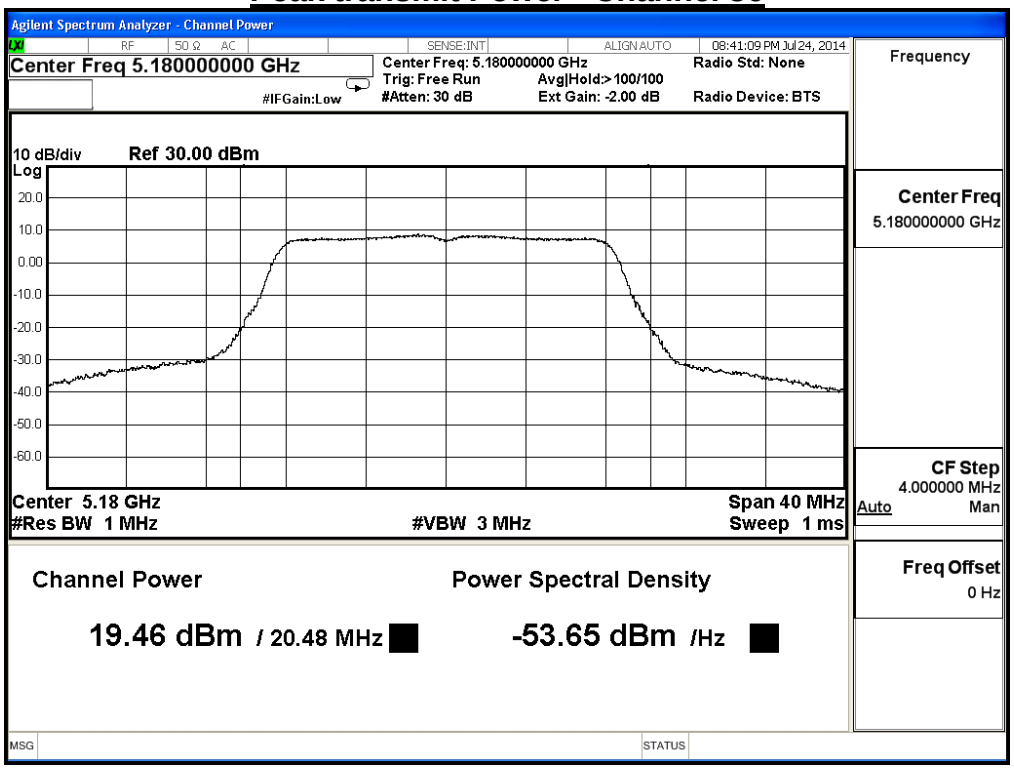
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

IEEE 802.11a, ANT 1					
Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Required Limit	Result
36	5180	20.48	19.46	≤30	Pass
44	5220	20.42	16.91	≤30	Pass
48	5240	20.45	16.83	≤30	Pass

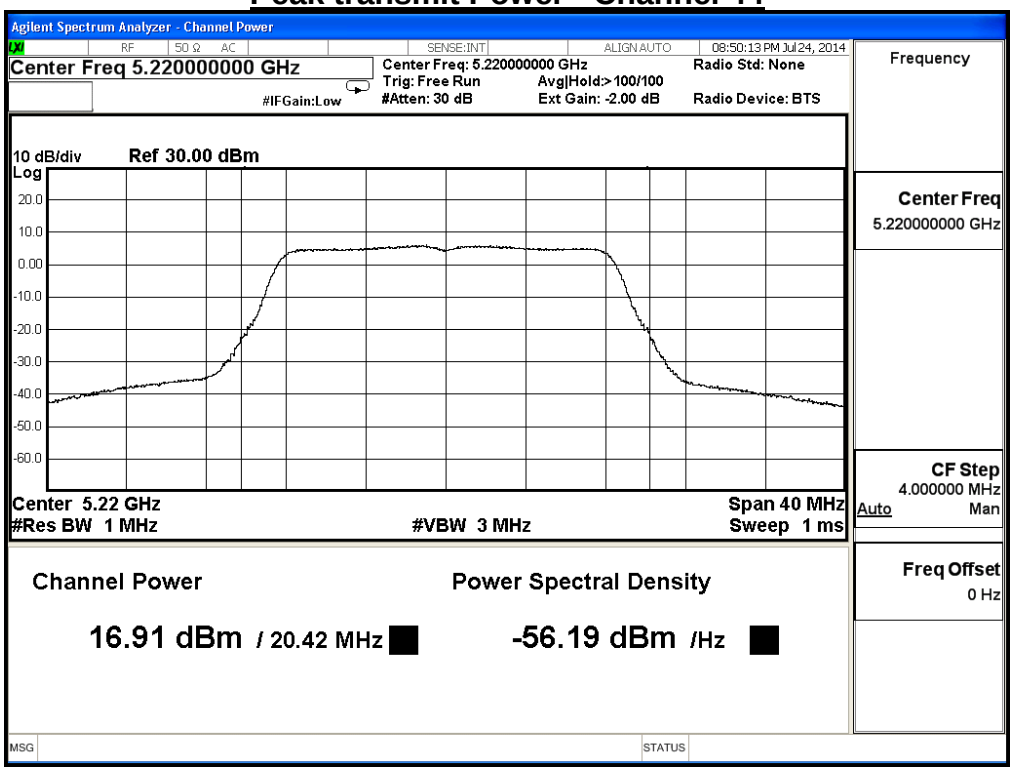
The worst emission of data rate is 6 Mbps.

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
36	5180	19.46	--	--	--	--	--	--	30dBm
44	5220	16.91	16.81	16.71	16.61	16.51	16.27	16.03	
48	5240	16.83	--	--	--	--	--	--	

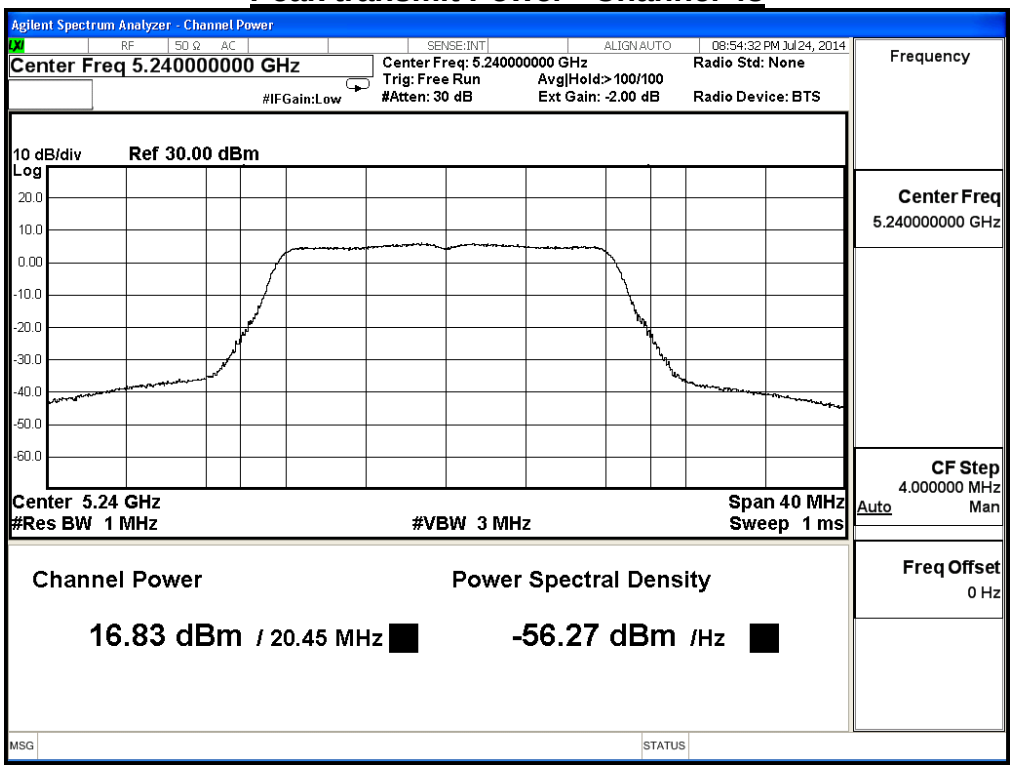
Peak transmit Power - Channel 36



Peak transmit Power - Channel 44



Peak transmit Power - Channel 48



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

IEEE 802.11a, ANT 0+1					
Channel No.	Frequency (MHz)	Output Power (mW)	Output Power (dBm)	Required Limit	Result
36	5180	174.61	22.42	≤30	Pass
44	5220	97.96	19.91	≤30	Pass
48	5240	97.29	19.88	≤30	Pass

The worst emission of data rate is 6 Mbps.

Peak Power Output (dBm)								
Channel No	Frequency (MHz)	Data Rate						Required Limit
		6	12	18	24	36	48	54	
36	5180	22.42	--	--	--	--	--	--	30dBm
44	5220	19.91	19.76	19.66	19.56	19.46	19.22	19.04	
48	5240	19.88	--	--	--	--	--	--	

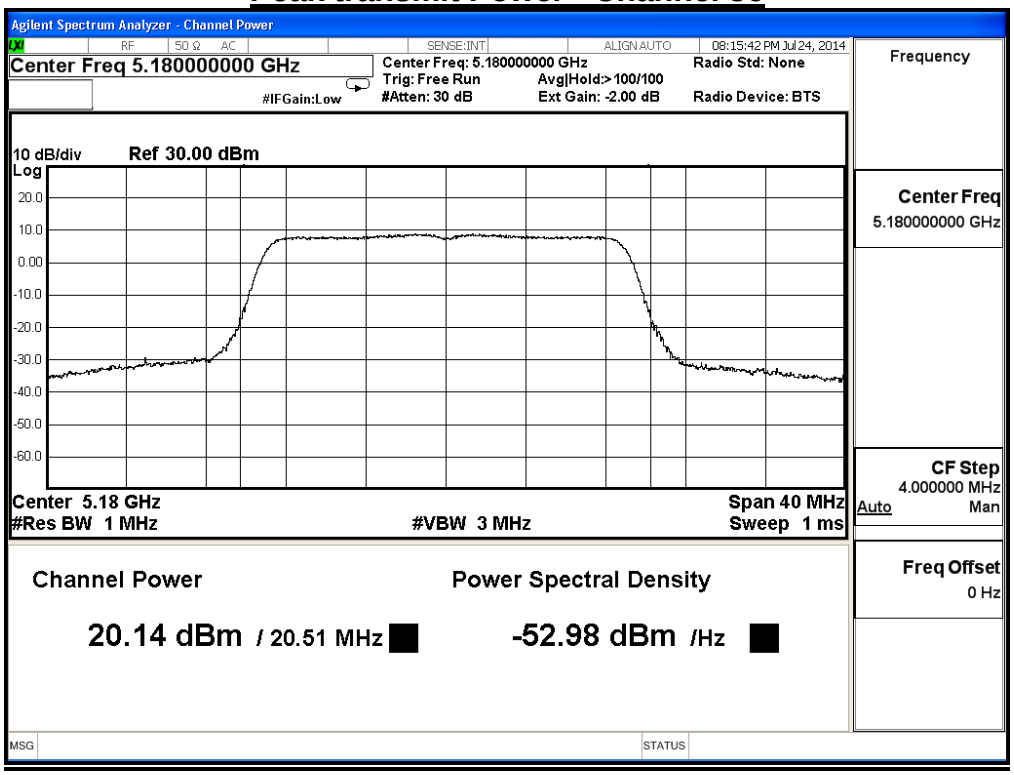
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

IEEE 802.11n(20MHz), ANT 0					
Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Required Limit	Result
36	5180	20.51	20.14	≤30	Pass
44	5220	20.61	17.09	≤30	Pass
48	5240	20.62	17.19	≤30	Pass

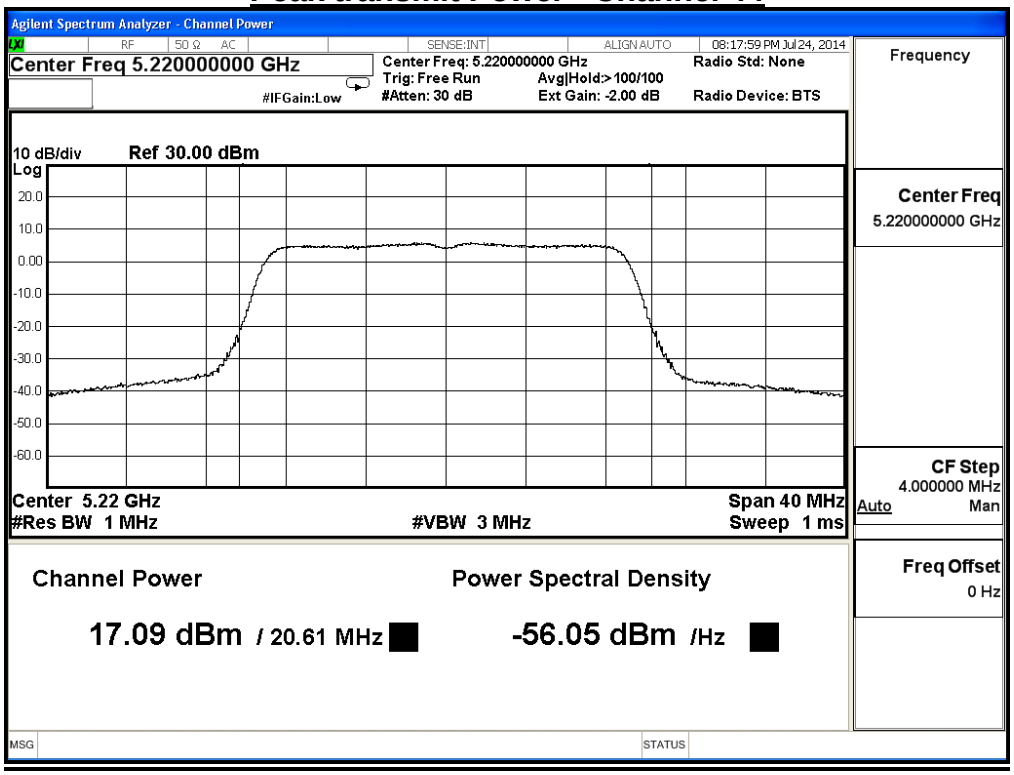
The worst emission of data rate is 6.5Mbps.

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	20.14	--	--	--	--	--	--	--	30dBm
44	5220	17.09	16.99	16.79	16.69	16.59	16.35	16.23	16.11	
48	5240	17.19	--	--	--	--	--	--	--	

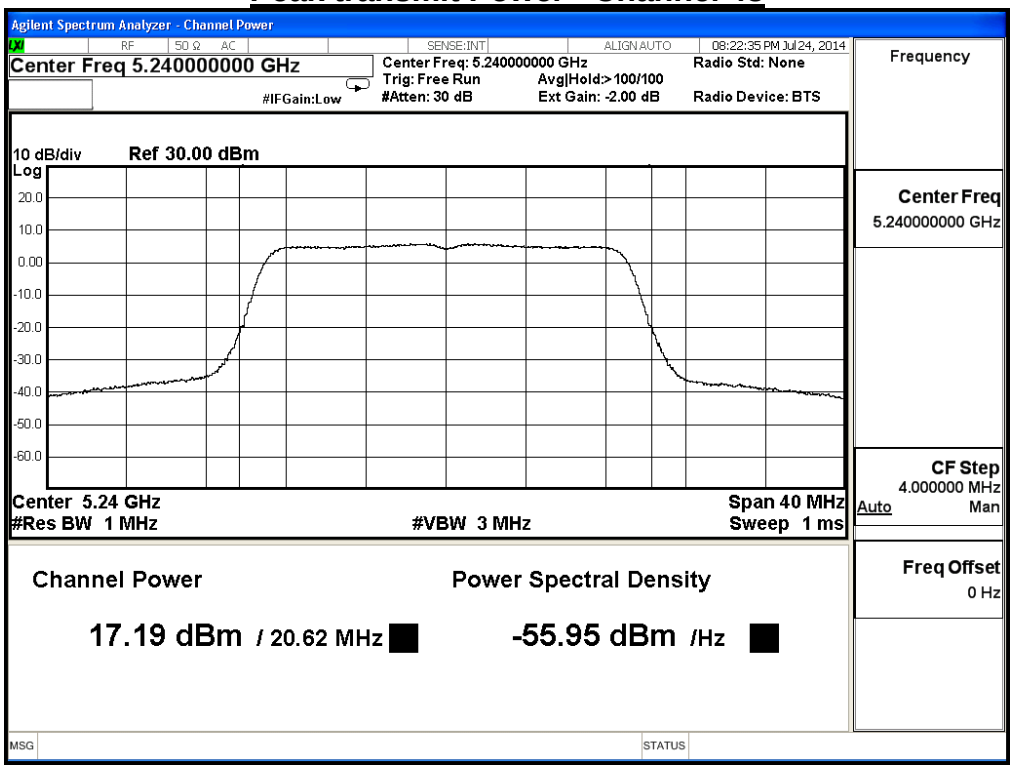
Peak transmit Power - Channel 36



Peak transmit Power - Channel 44



Peak transmit Power - Channel 48



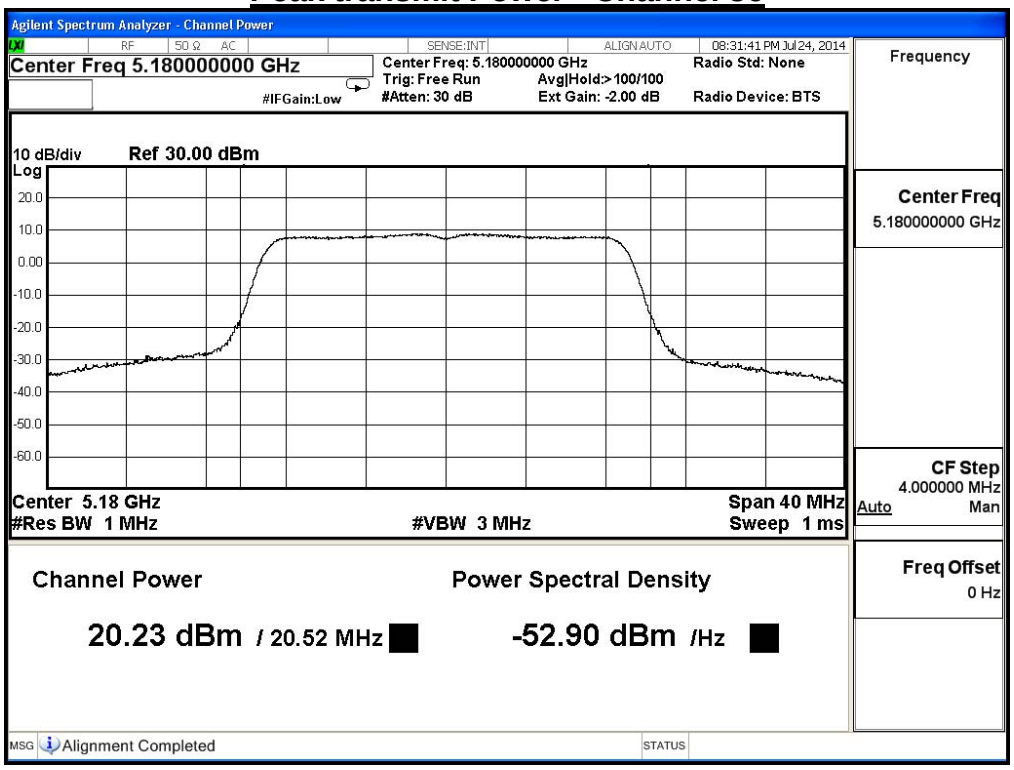
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

IEEE 802.11n(20MHz), ANT 1					
Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Required Limit	Result
36	5180	20.52	20.23	≤30	Pass
44	5220	20.41	17.26	≤30	Pass
48	5240	20.43	17.16	≤30	Pass

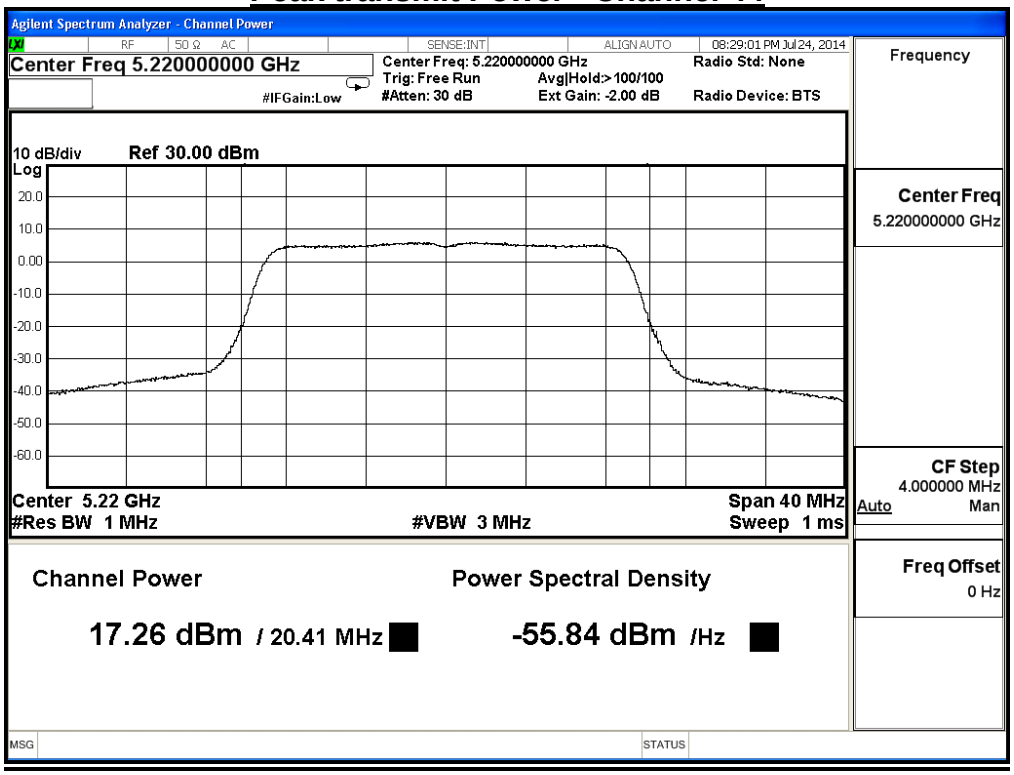
The worst emission of data rate is 6.5Mbps.

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	20.23	--	--	--	--	--	--	--	30dBm
44	5220	17.26	17.16	17.06	16.96	16.76	16.64	16.40	16.16	
48	5240	17.16	--	--	--	--	--	--	--	

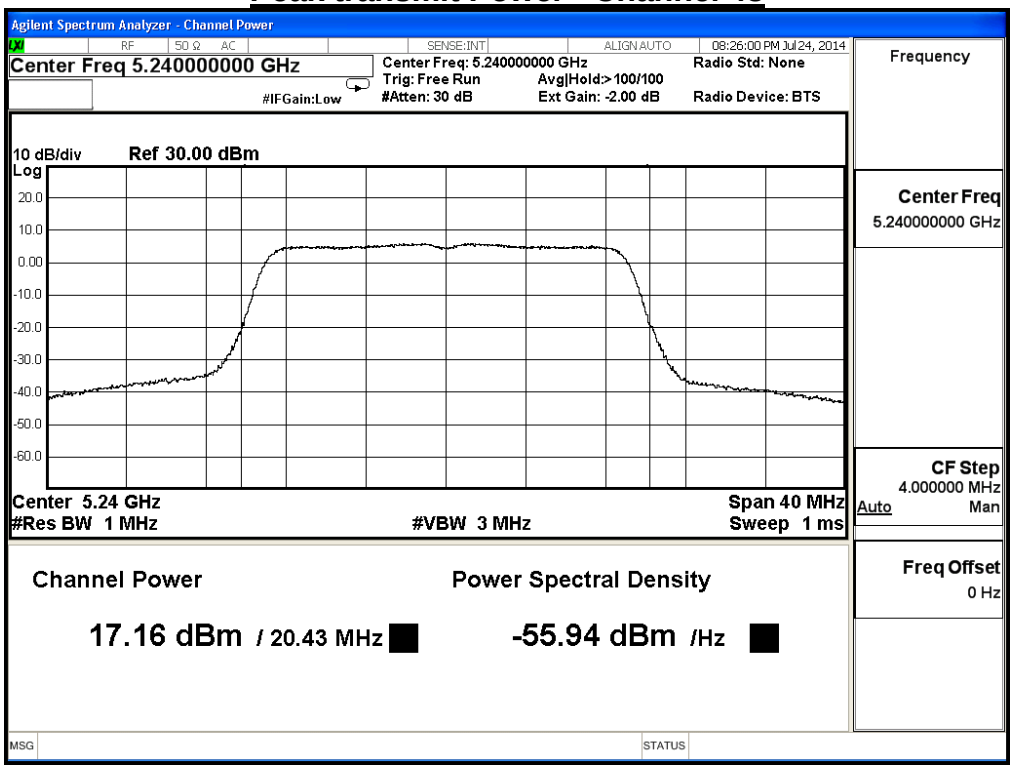
Peak transmit Power - Channel 36



Peak transmit Power - Channel 44



Peak transmit Power - Channel 48



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

IEEE 802.11n(20MHz), ANT 0+1					
Channel No.	Frequency (MHz)	Output Power (mW)	Output Power (dBm)	Required Limit	Result
36	5180	208.71	23.20	≤30	Pass
44	5220	104.38	20.19	≤30	Pass
48	5240	104.36	20.19	≤30	Pass

The worst emission of data rate is 6.5Mbps.

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	23.20	--	--	--	--	--	--	--	30dBm
44	5220	20.19	20.09	19.94	19.84	19.69	19.51	19.33	19.15	
48	5240	20.19	--	--	--	--	--	--	--	

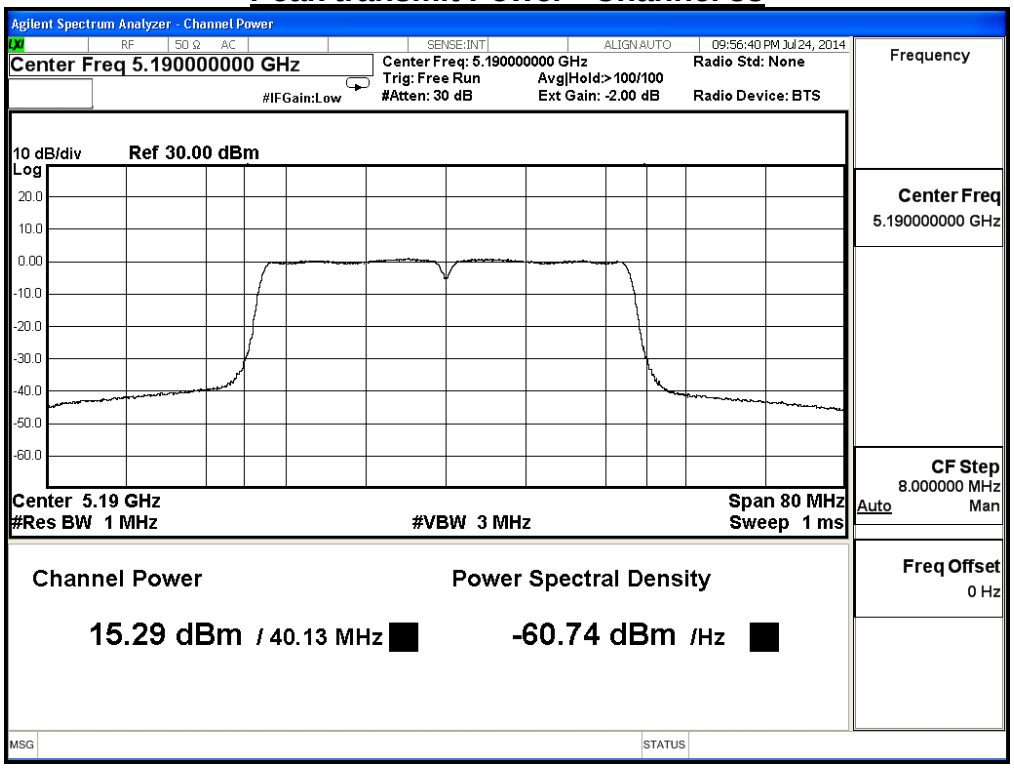
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

IEEE 802.11n(40MHz), ANT 0					
Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Required Limit	Result
38	5190	40.13	15.29	≤30	Pass
46	5230	39.88	19.56	≤30	Pass

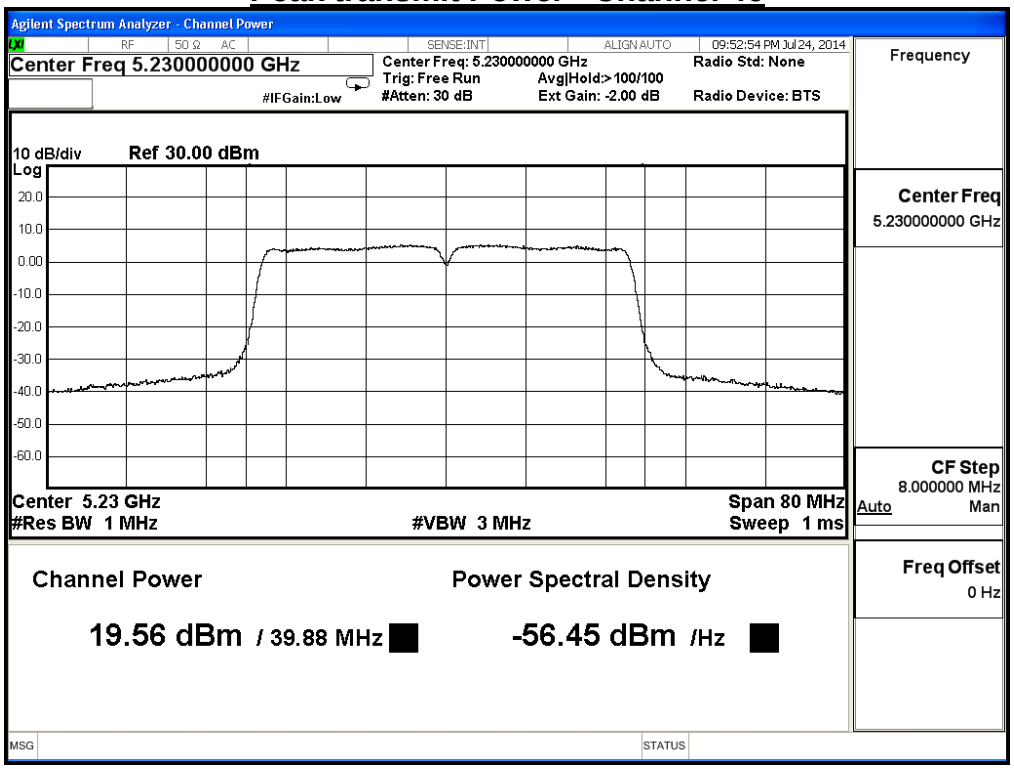
The worst emission of data rate is 13.5 Mbps

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	15.29	--	--	--	--	--	--	--	30dBm
46	5230	19.56	19.36	19.16	18.96	18.76	18.64	18.52	18.40	

Peak transmit Power - Channel 38



Peak transmit Power - Channel 46



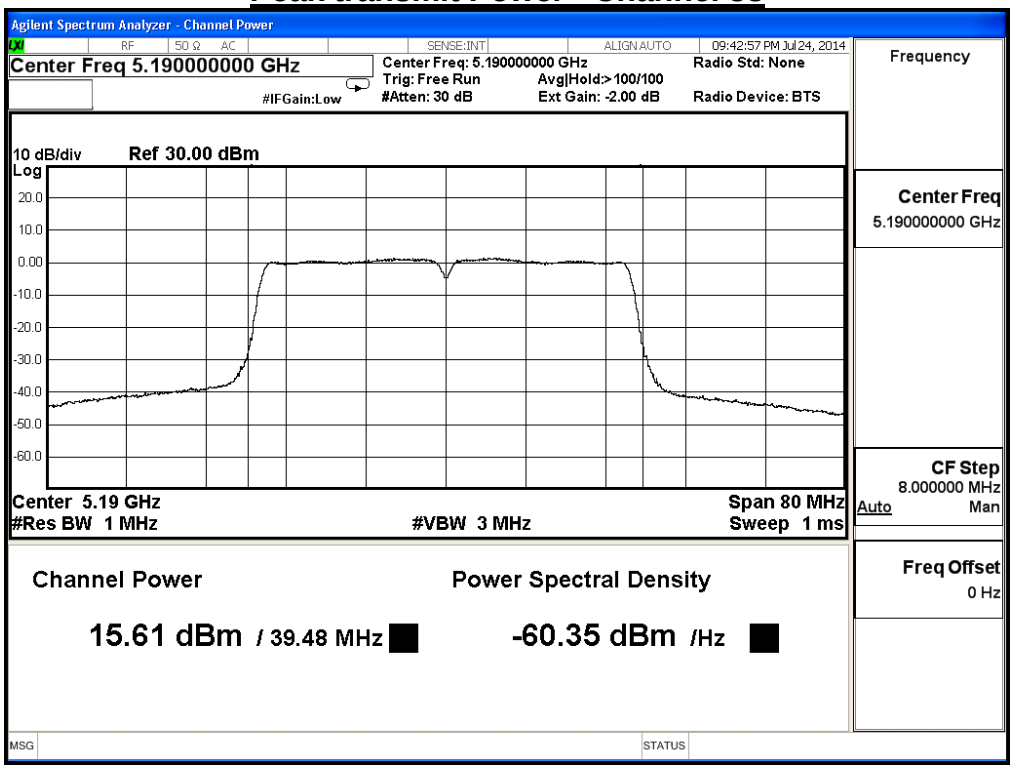
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

IEEE 802.11n(40MHz), ANT 1					
Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Required Limit	Result
38	5190	39.48	15.61	≤30	Pass
46	5230	39.61	19.45	≤30	Pass

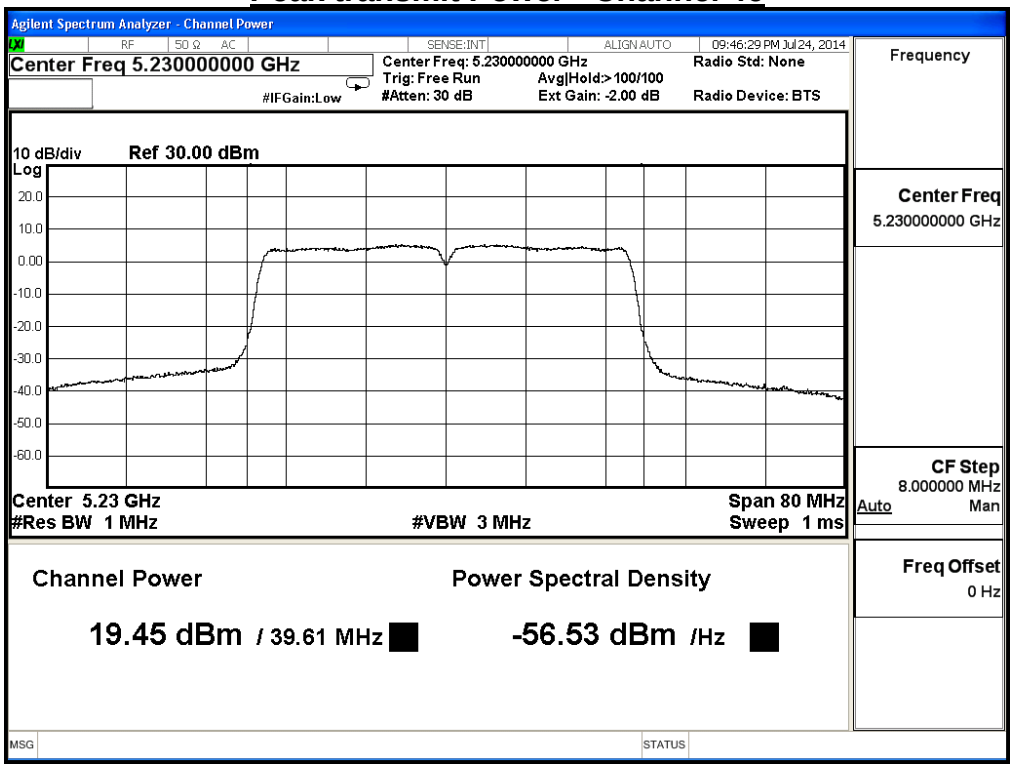
The worst emission of data rate is 13.5 Mbps

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	15.61	--	--	--	--	--	--	--	30dBm
46	5230	19.45	19.35	19.15	18.95	18.75	18.51	18.27	18.15	

Peak transmit Power - Channel 38



Peak transmit Power - Channel 46



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

IEEE 802.11n(40MHz)_ANT 0+1					
Channel No.	Frequency (MHz)	Output Power (mW)	Output Power (dBm)	Required Limit	Result
38	5190	70.20	18.46	≤30	Pass
46	5230	178.47	22.52	≤30	Pass

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	18.46	--	--	--	--	--	--	--	30dBm
46	5230	22.52	22.37	22.17	21.97	21.77	21.59	21.41	21.29	

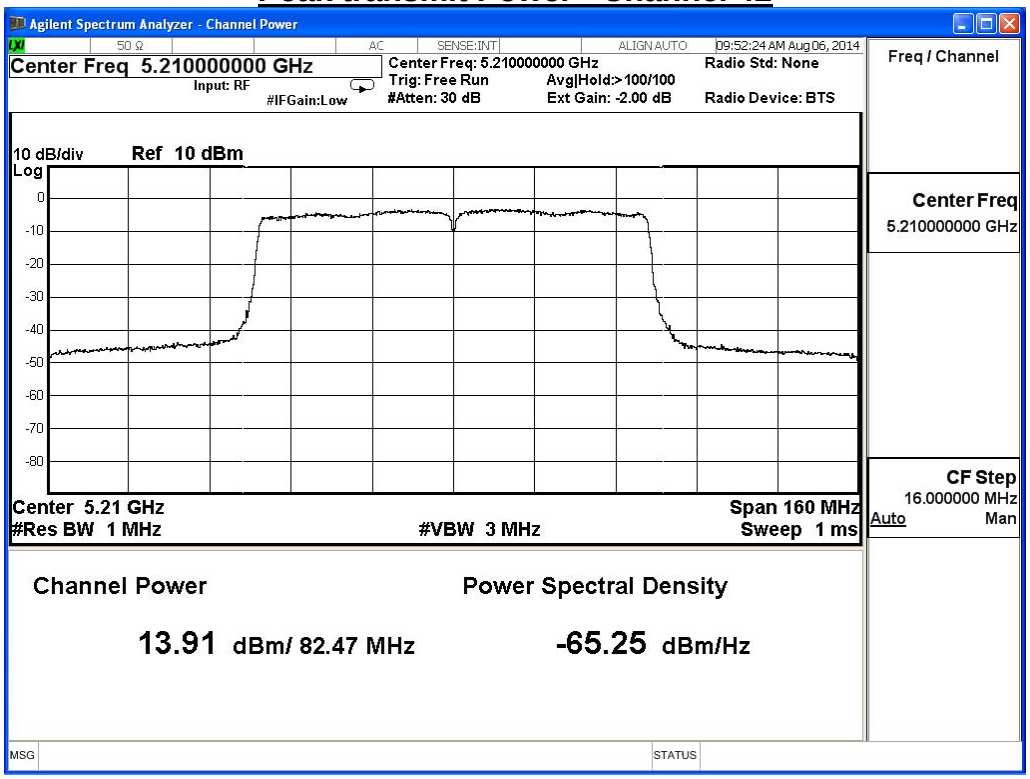
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

IEEE 802.11ac(80MHz), ANT 0					
Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Required Limit	Result
42	5210	82.47	13.91	≤30	Pass

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
Channel No	Frequency (MHz)	Data Rate									
		29.3	58.5	87.8	117	175.5	234	263.3	292.5	351	390
42	5210	13.91	13.86	13.74	13.66	13.52	13.49	13.33	13.15	13.03	12.91

Peak transmit Power - Channel 42



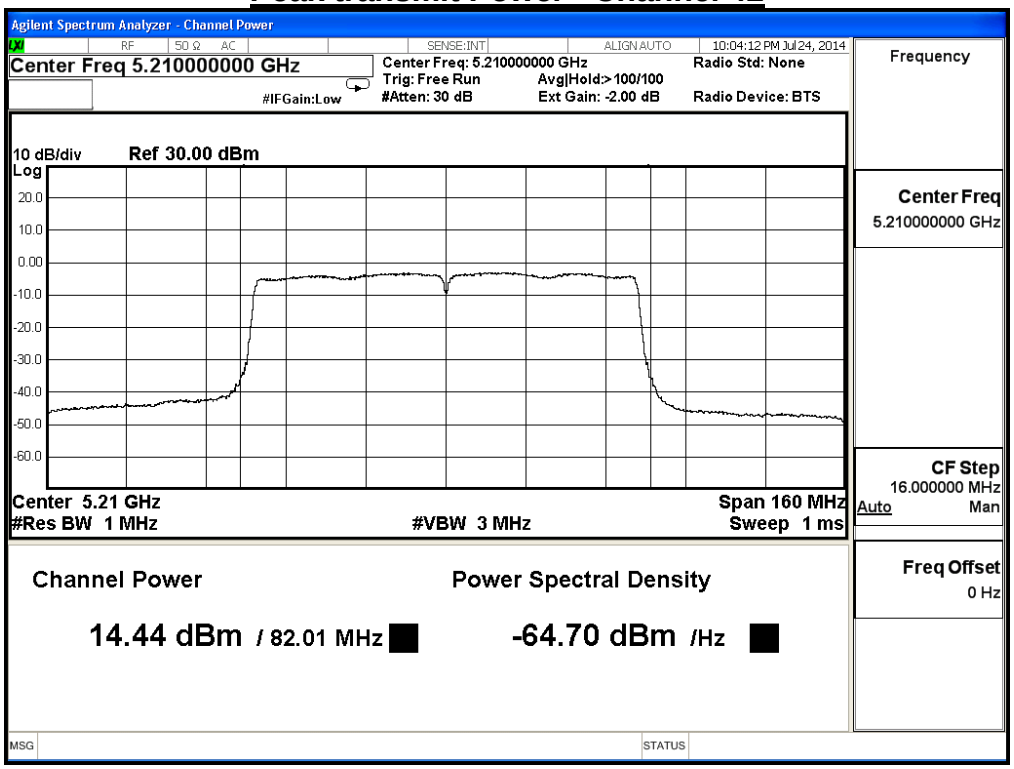
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

IEEE 802.11ac(80MHz), ANT 1					
Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Required Limit	Result
42	5210	82.01	14.44	≤30	Pass

The worst emission of data rate is 29.3Mbps.

Peak Power Output (dBm)											
MCS Index		0	1	2	3	4	5	6	7	8	9
Channel No	Frequency (MHz)	Data Rate									
		29.3	58.5	87.8	117	175.5	234	263.3	292.5	351	390
42	5210	14.440	14.34	14.14	14.04	13.94	13.84	13.60	13.48	13.36	13.12

Peak transmit Power - Channel 42



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

IEEE 802.11ac(80MHz)_ANT 0+1					
Channel No.	Frequency (MHz)	Output Power (mW)	Output Power (dBm)	Required Limit	Result
42	5210	52.40	17.14	≤30	Pass

The worst emission of data rate is 29.3Mbps.

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	8	9
Channel No	Frequency (MHz)	Data Rate									
		29.3	58.5	87.8	117	175.5	234	263.3	292.5	351	390
42	5210	17.14	16.99	16.89	16.75	16.55	16.35	16.23	16.04	15.80	15.56

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode2: Transmit (Beamforming)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

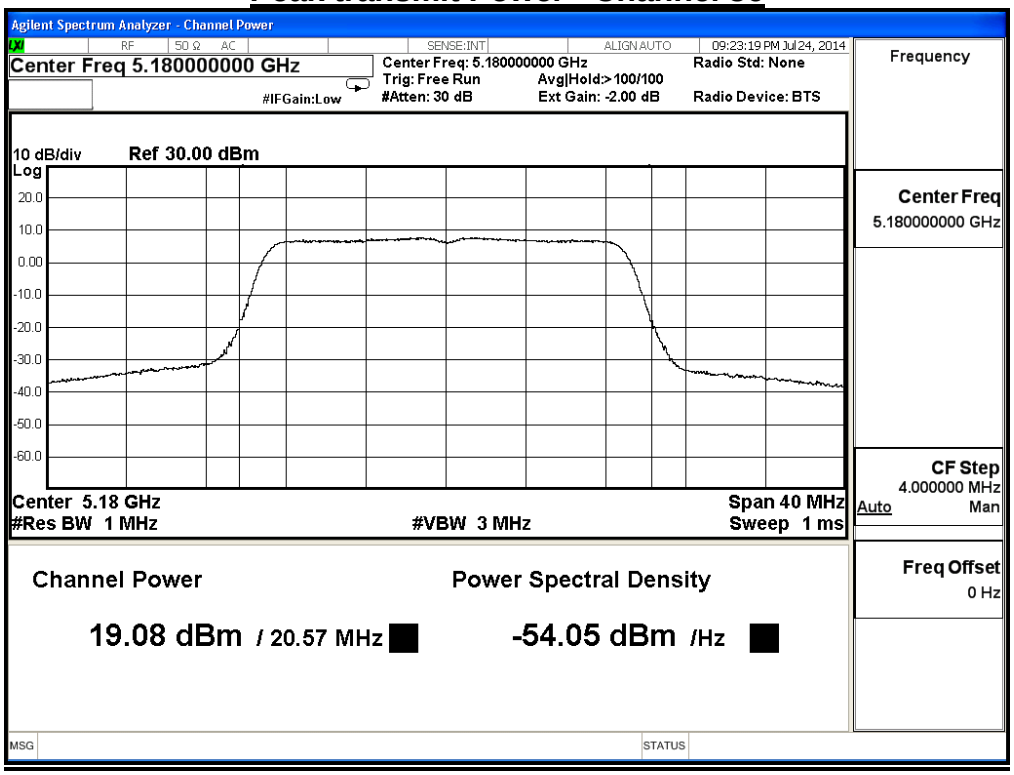
IEEE 802.11n(20MHz), ANT 0					
Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Required Limit	Result
36	5180	20.57	19.08	≤29.92	Pass
44	5220	20.54	15.71	≤29.92	Pass
48	5240	20.85	15.65	≤29.92	Pass

The worst emission of data rate is 13Mbps.

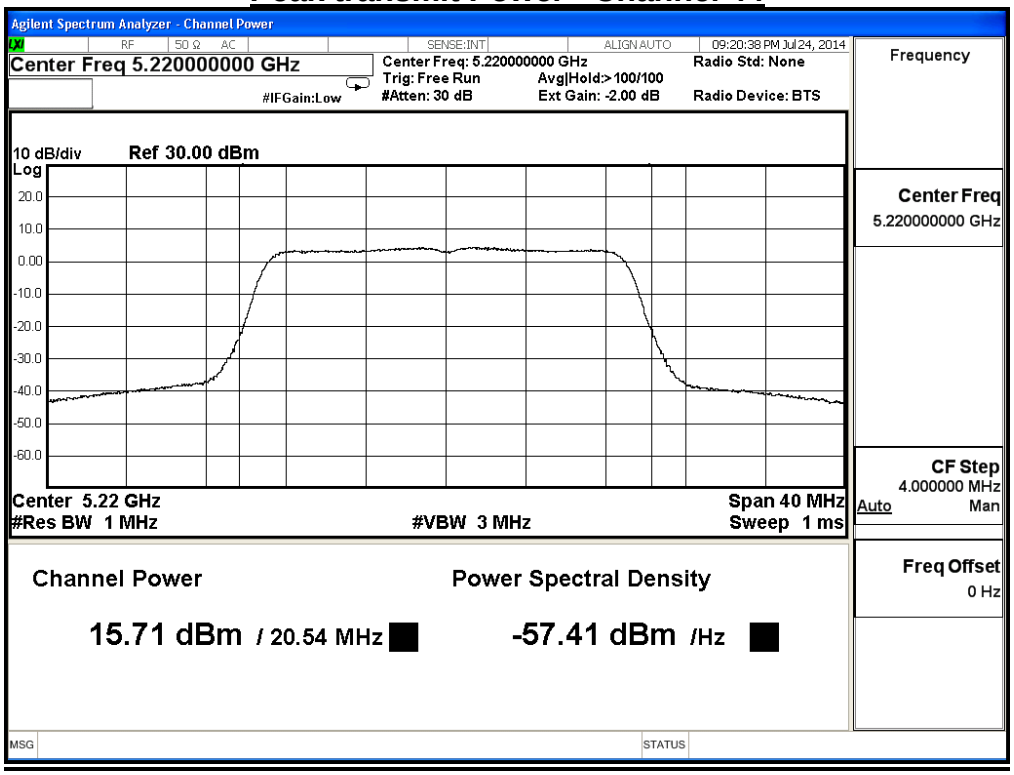
Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		6.5	13	19.5	26	39	52	58.5	65	
36	5180	19.08	--	--	--	--	--	--	--	29.92dBm
44	5220	15.71	15.51	15.41	15.21	15.01	14.77	14.53	14.29	
48	5240	15.65	--	--	--	--	--	--	--	

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 30dBm-(6.08dBi-6dB) = 29.92 dBm

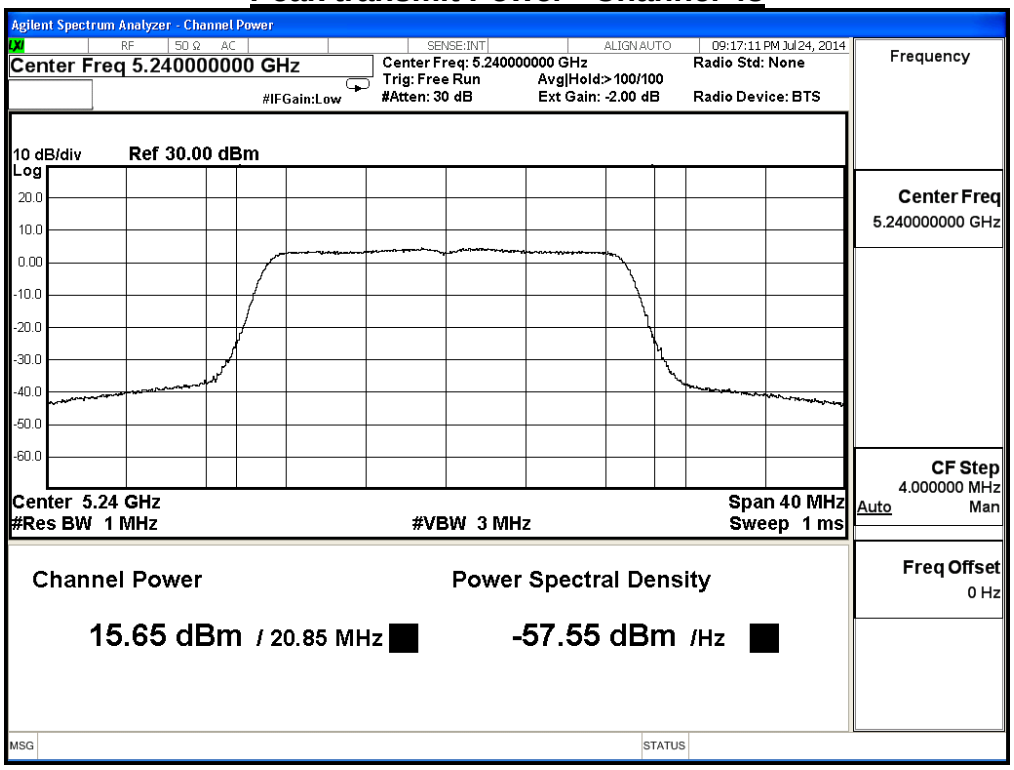
Peak transmit Power - Channel 36



Peak transmit Power - Channel 44



Peak transmit Power - Channel 48



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode2: Transmit (Beamforming)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

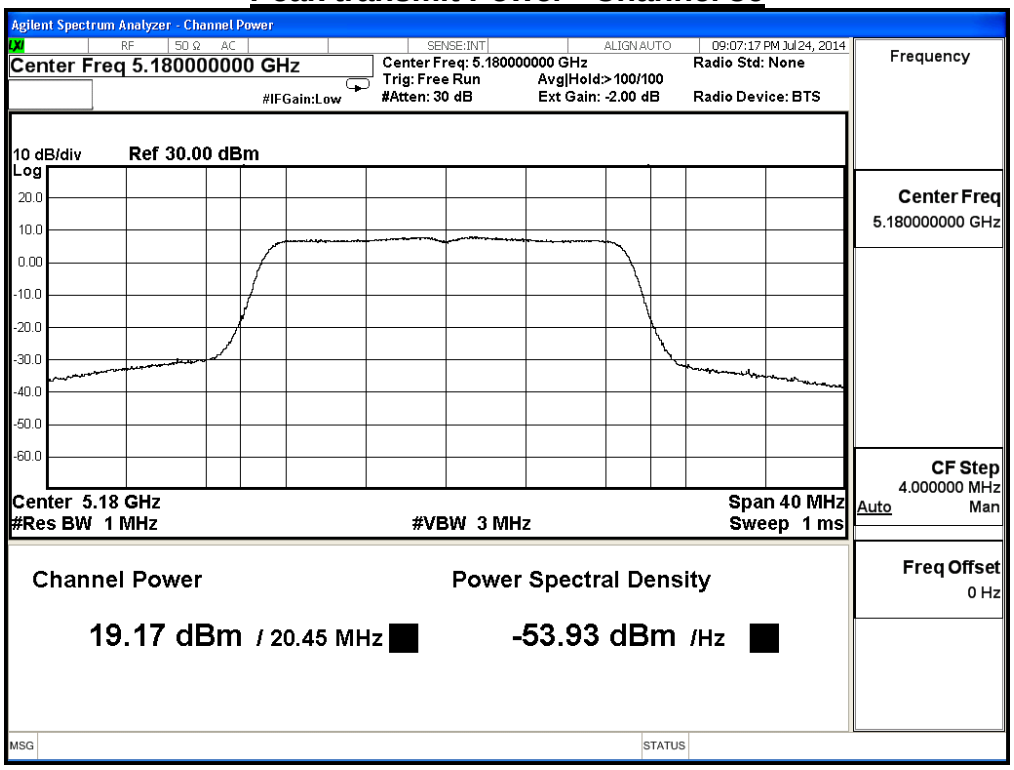
IEEE 802.11n(20MHz), ANT 1					
Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Required Limit	Result
36	5180	20.45	19.17	≤29.92	Pass
44	5220	20.37	15.82	≤29.92	Pass
48	5240	20.51	15.58	≤29.92	Pass

The worst emission of data rate is 13Mbps.

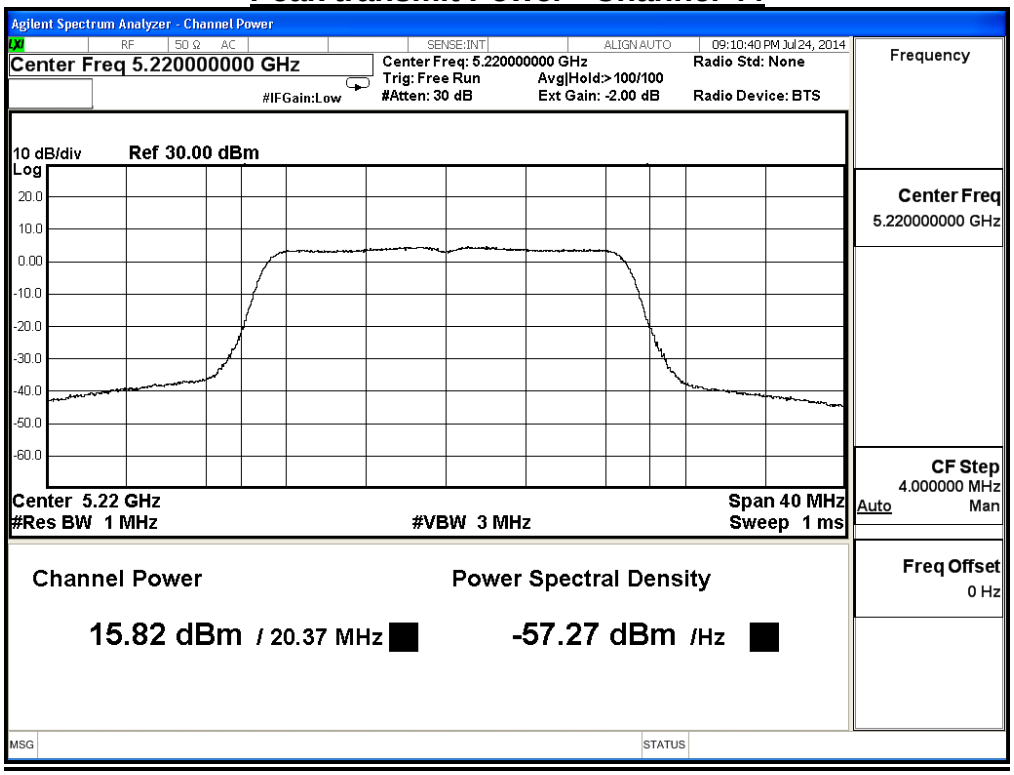
Peak Power Output (dBm)									
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		6.5	13	19.5	26	39	52	58.5	65	
36	5180	19.17	--	--	--	--	--	--	--	29.92dBm
44	5220	15.82	15.62	15.52	15.32	15.22	15.10	14.98	14.74	
48	5240	15.58	--	--	--	--	--	--	--	

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 30dBm-(6.08dBi-6dB) = 29.92 dBm

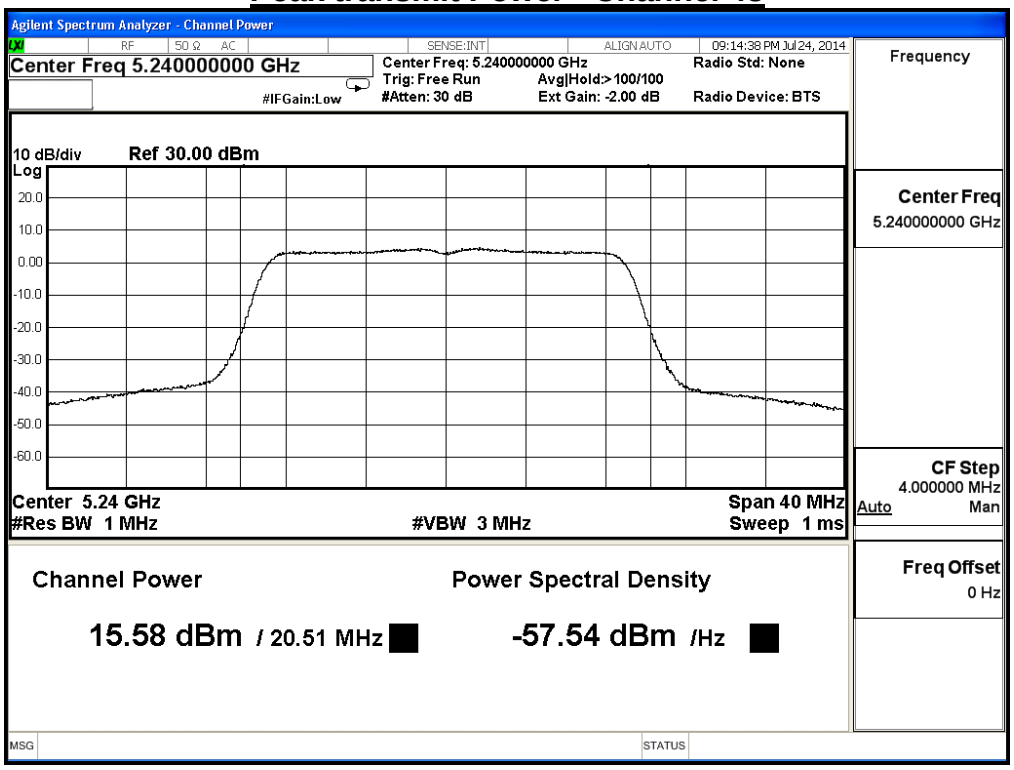
Peak transmit Power - Channel 36



Peak transmit Power - Channel 44



Peak transmit Power - Channel 48



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode2: Transmit (Beamforming)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

IEEE 802.11n(20MHz), ANT 0+1					
Channel No.	Frequency (MHz)	Output Power (mW)	Output Power (dBm)	Required Limit	Result
36	5180	163.51	22.14	≤29.92	Pass
44	5220	75.43	18.78	≤29.92	Pass
48	5240	72.87	18.63	≤29.92	Pass

The worst emission of data rate is 13Mbps.

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	22.14	--	--	--	--	--	--	--	29.92dBm
44	5220	18.78	18.58	18.48	18.28	18.13	17.95	17.77	17.53	
48	5240	18.63	--	--	--	--	--	--	--	

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 30dBm-(6.08dBi-6dB) = 29.92 dBm

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode2: Transmit (Beamforming)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

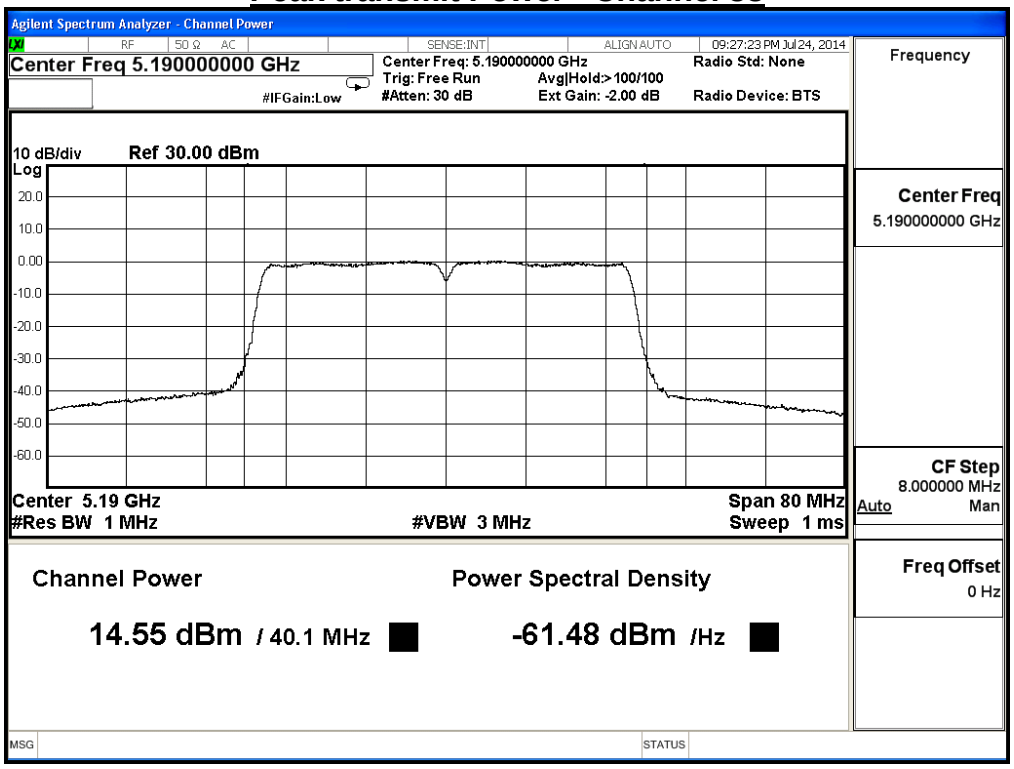
IEEE 802.11n(40MHz), ANT 0					
Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Required Limit	Result
38	5190	40.10	14.55	≤29.92	Pass
46	5230	39.84	18.86	≤29.92	Pass

The worst emission of data rate is 27 Mbps

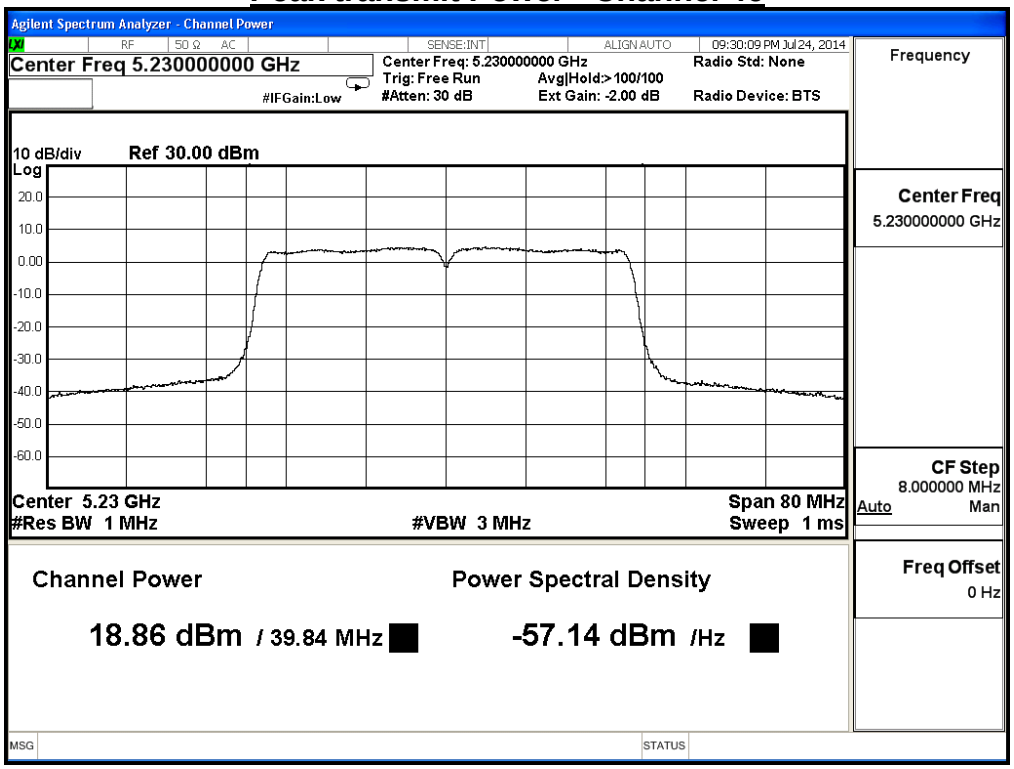
Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		13.5	27	40.5	54	81	108	121.5	135	
38	5190	14.55	--	--	--	--	--	--	--	29.92dBm
46	5230	18.86	18.66	18.46	18.26	18.06	17.94	17.82	17.70	

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 30dBm-(6.08dBi-6dB) = 29.92 dBm

Peak transmit Power - Channel 38



Peak transmit Power - Channel 46



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode2: Transmit (Beamforming)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

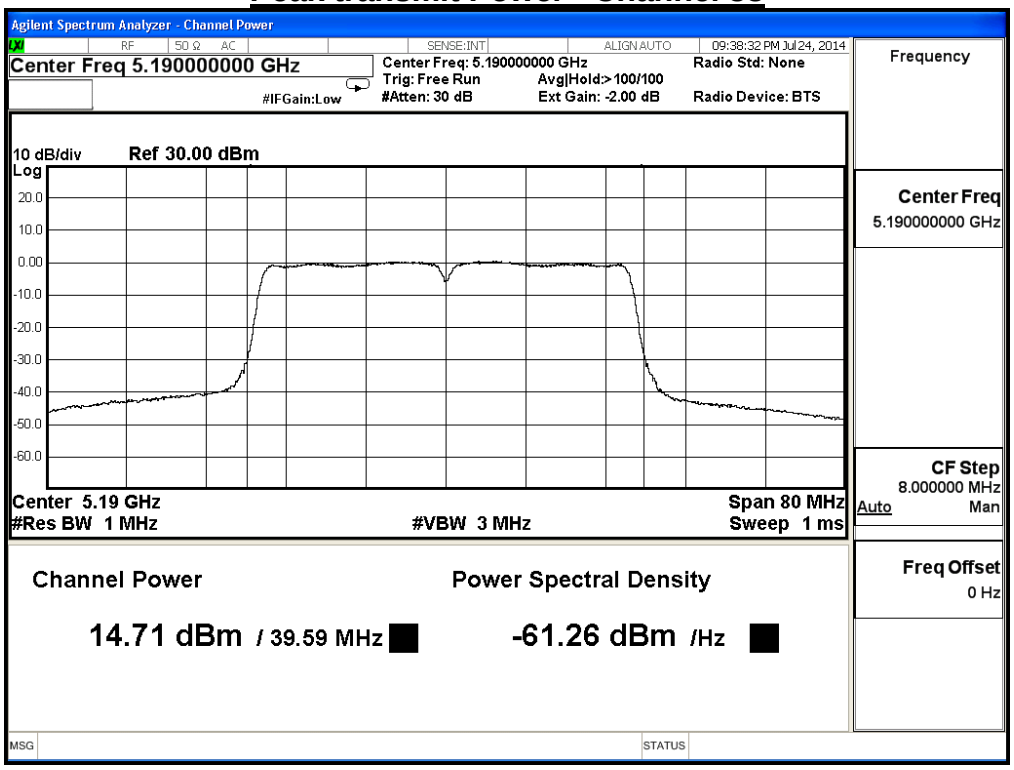
IEEE 802.11n(40MHz), ANT 1					
Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Required Limit	Result
38	5190	39.59	14.71	≤29.92	Pass
46	5230	39.44	18.88	≤29.92	Pass

The worst emission of data rate is 27 Mbps

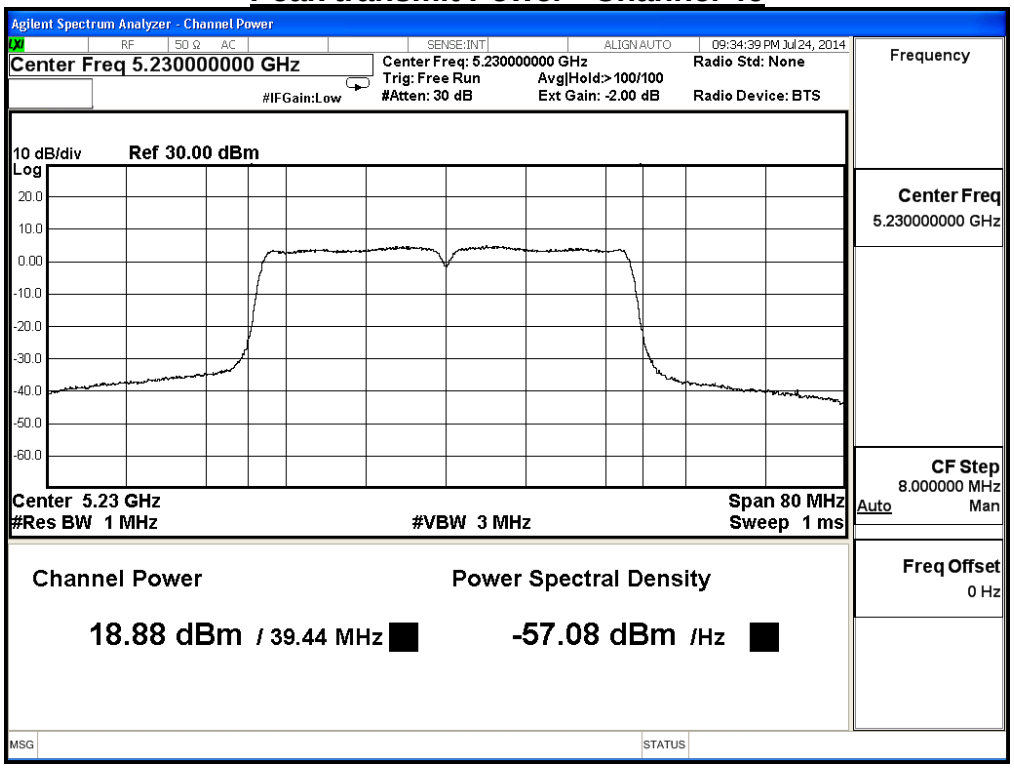
Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		13.5	27	40.5	54	81	108	121.5	135	
38	5190	14.71	--	--	--	--	--	--	--	29.92dBm
46	5230	18.88	18.68	18.48	18.38	18.18	18.06	17.82	17.70	

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 30dBm-(6.08dBi-6dB) = 29.92 dBm

Peak transmit Power - Channel 38



Peak transmit Power - Channel 46



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode2: Transmit (Beamforming)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

IEEE 802.11n(40MHz), ANT 0+1					
Channel No.	Frequency (MHz)	Output Power (mW)	Output Power (dBm)	Required Limit	Result
38	5190	58.09	17.64	≤29.92	Pass
46	5230	154.18	21.88	≤29.92	Pass

The worst emission of data rate is 27 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	17.64	--	--	--	--	--	--	--	29.92dBm
46	5230	21.88	21.68	21.48	21.33	21.13	21.01	20.83	20.71	

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 30dBm-(6.08dBi-6dB) = 29.92 dBm

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode2: Transmit (Beamforming)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

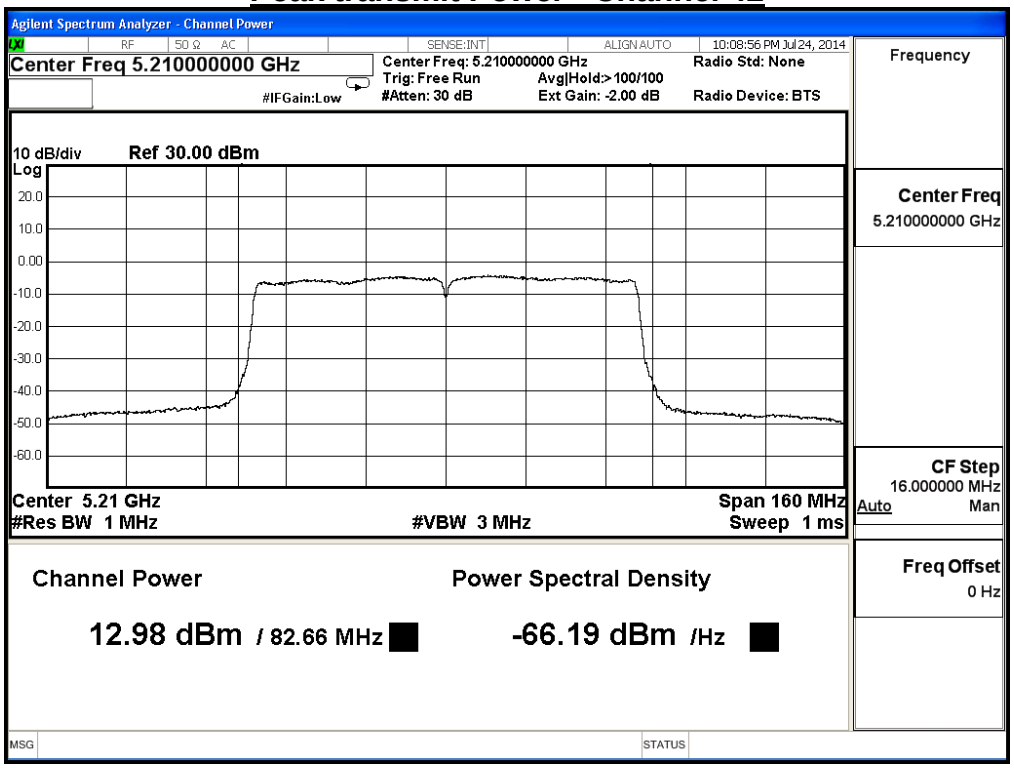
IEEE 802.11ac(80MHz), ANT 0					
Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Required Limit	Result
42	5210	82.66	12.98	≤29.92	Pass

The worst emission of data rate is 58.6Mbps.

Peak Power Output (dBm)											
MCS Index		0	1	2	3	4	5	6	7	8	9
Channel No	Frequency (MHz)	Data Rate									
		29.3	58.5	87.8	117	175.5	234	263.3	292.5	351	390
42	5210	12.98	12.88	12.78	12.68	12.48	12.38	12.26	12.14	12.02	11.90

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 30dBm-(6.08dBi-6dB) = 29.92 dBm

Peak transmit Power - Channel 42



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode2: Transmit (Beamforming)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

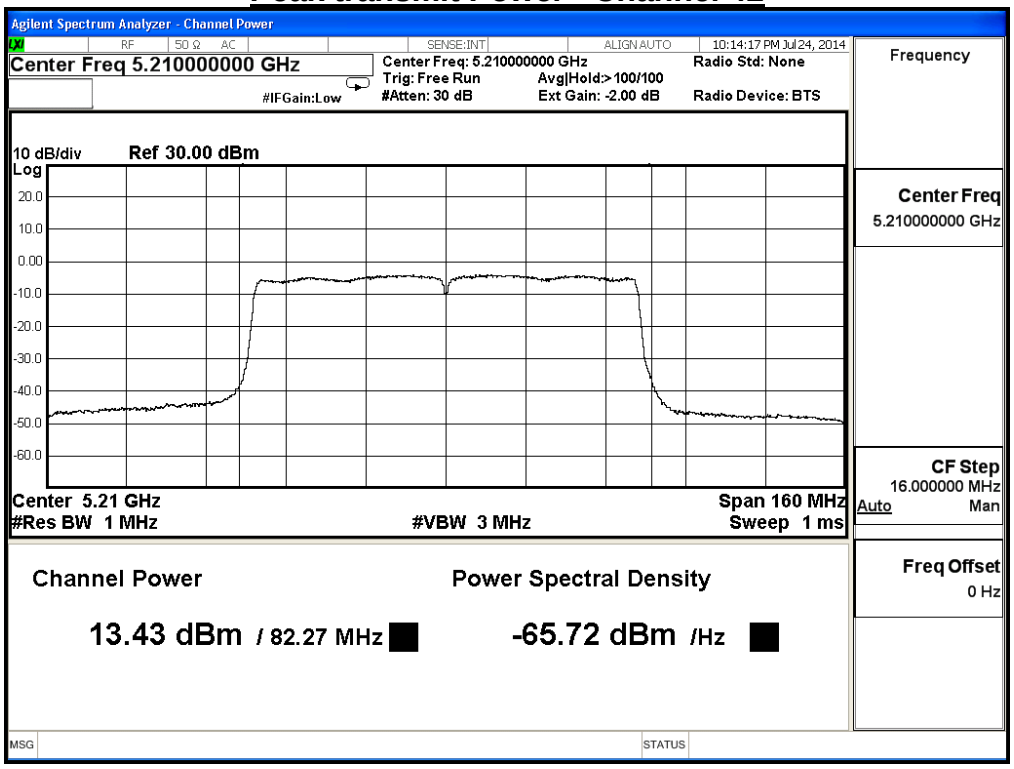
IEEE 802.11ac(80MHz), ANT 1					
Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Required Limit	Result
42	5210	82.27	13.43	≤29.92	Pass

The worst emission of data rate is 58.6Mbps.

Peak Power Output (dBm)											
MCS Index		0	1	2	3	4	5	6	7	8	9
Channel No	Frequency (MHz)	Data Rate									
		29.3	58.5	87.8	117	175.5	234	263.3	292.5	351	390
42	5210	13.43	13.23	13.13	13.03	12.93	12.73	12.61	12.49	12.37	12.25

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 30dBm-(6.08dBi-6dB) = 29.92 dBm

Peak transmit Power - Channel 42



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode2: Transmit (Beamforming)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

IEEE 802.11ac(80MHz), ANT 0+1					
Channel No.	Frequency (MHz)	Output Power (mW)	Output Power (dBm)	Required Limit	Result
42	5210	41.89	16.22	≤29.92	Pass

The worst emission of data rate is 58.6Mbps.

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	8	9
Channel No	Frequency (MHz)	Data Rate									
		29.3	58.5	87.8	117	175.5	234	263.3	292.5	351	390
42	5210	16.22	16.12	16.02	15.82	15.72	15.62	15.44	15.20	14.96	14.72

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 30dBm-(6.08dBi-6dB) = 29.92 dBm

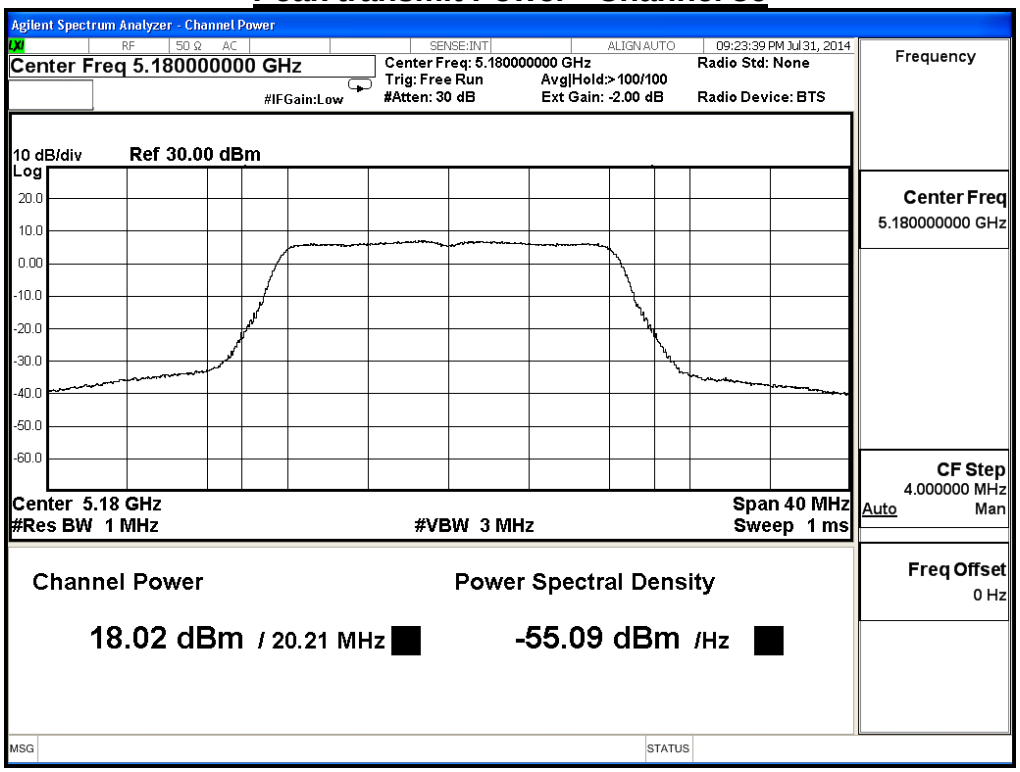
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode3: Transmit (CDD)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

IEEE 802.11a, ANT 0					
Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Required Limit	Result
36	5180	20.21	18.02	≤24	Pass
44	5220	20.32	16.89	≤24	Pass
48	5240	20.11	16.91	≤24	Pass

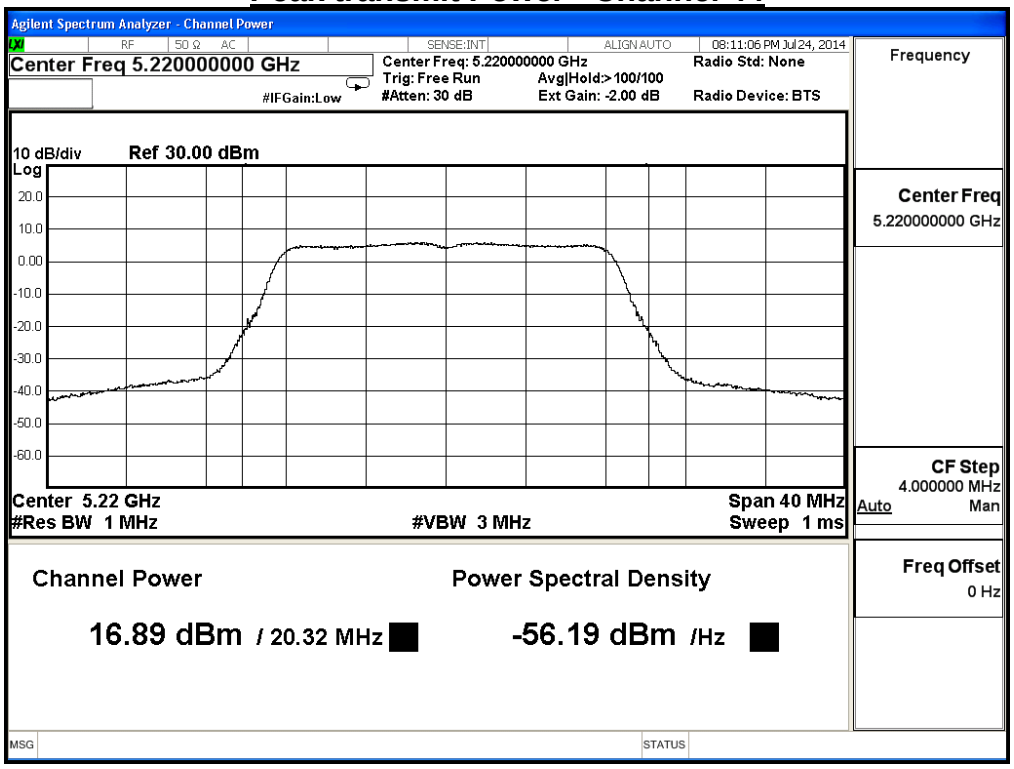
The worst emission of data rate is 6 Mbps.

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
36	5180	18.02	--	--	--	--	--	--	24dBm
44	5220	16.89	16.69	16.59	16.49	16.39	16.15	16.03	
48	5240	16.91	--	--	--	--	--	--	

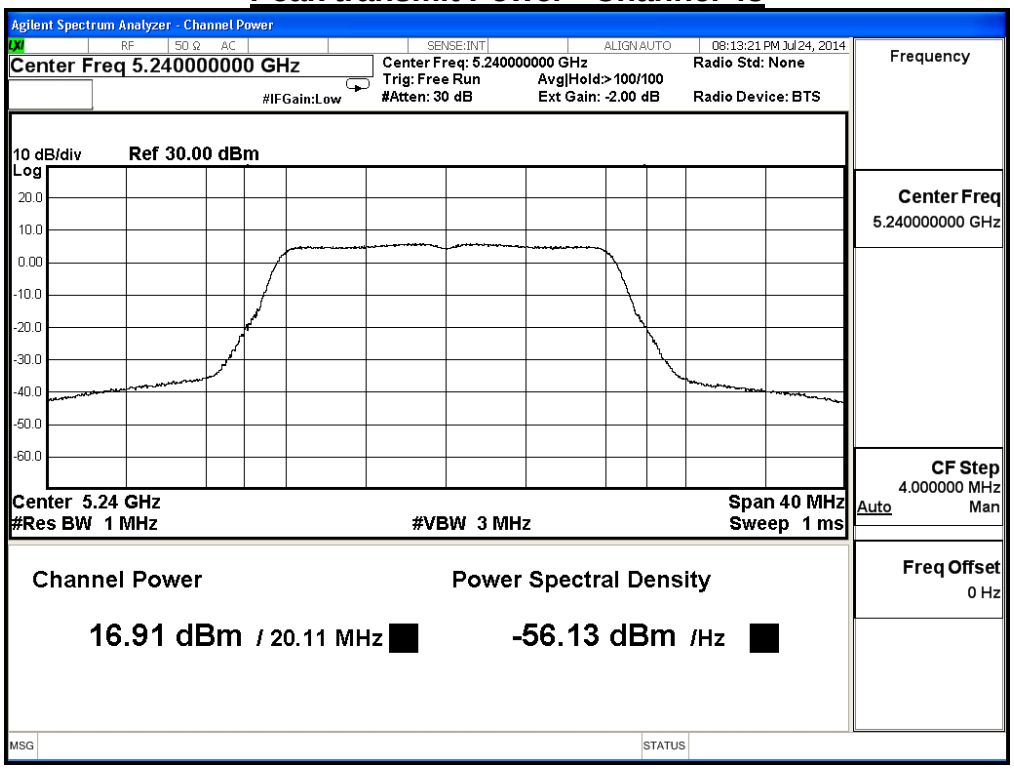
Peak transmit Power - Channel 36



Peak transmit Power - Channel 44



Peak transmit Power - Channel 48



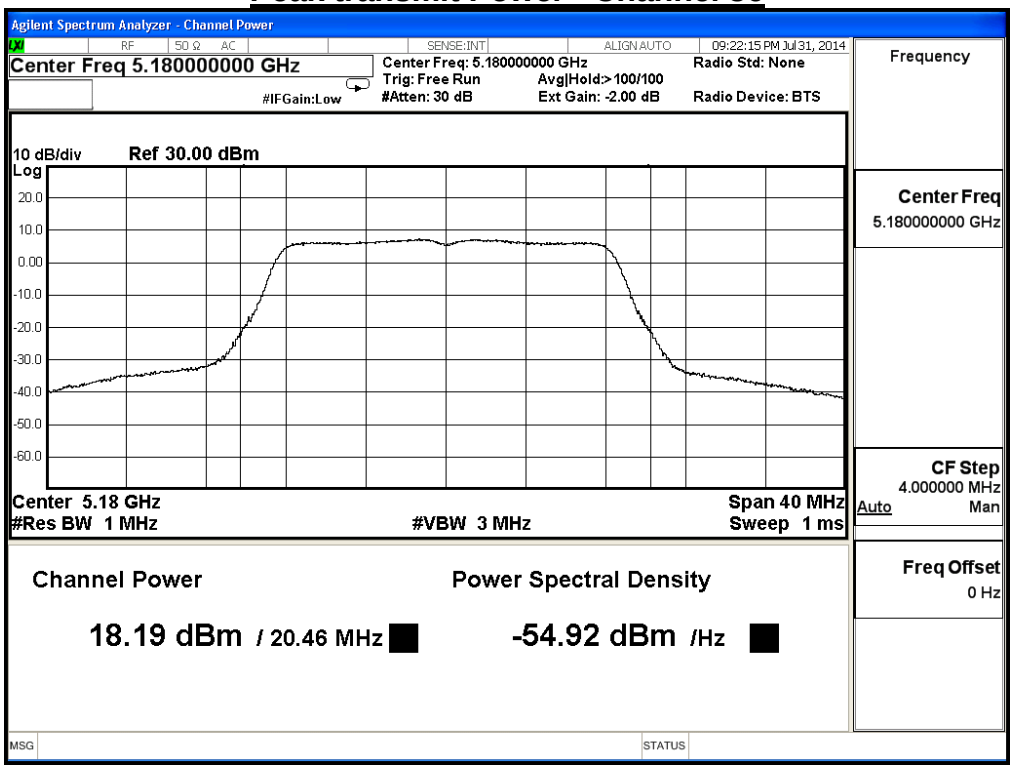
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode3: Transmit (CDD)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

IEEE 802.11a, ANT 1					
Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Required Limit	Result
36	5180	20.46	18.19	≤24	Pass
44	5220	20.42	16.91	≤24	Pass
48	5240	20.45	16.83	≤24	Pass

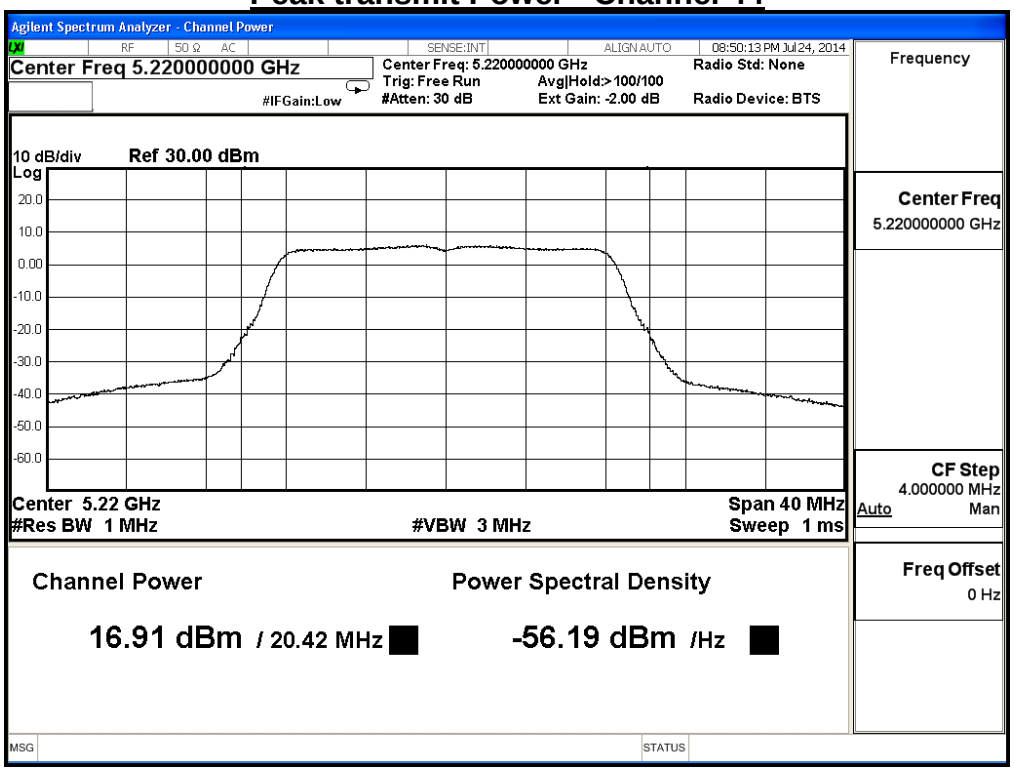
The worst emission of data rate is 6 Mbps.

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
36	5180	18.19	--	--	--	--	--	--	24dBm
44	5220	16.91	16.81	16.71	16.61	16.51	16.27	16.03	
48	5240	16.83	--	--	--	--	--	--	

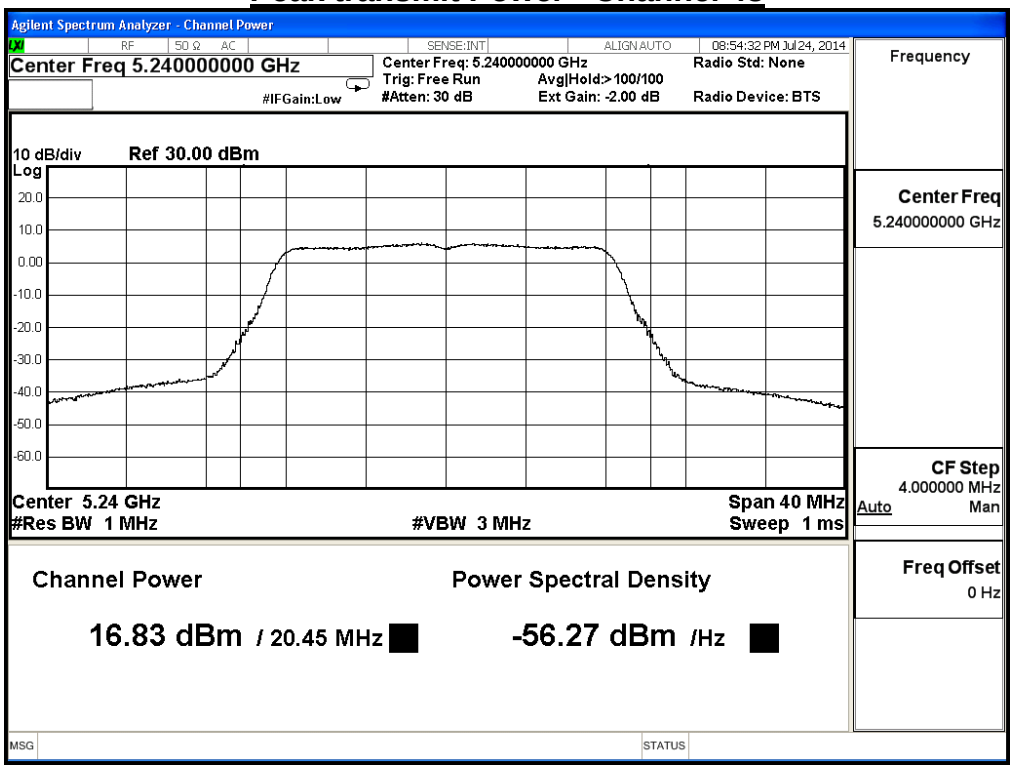
Peak transmit Power - Channel 36



Peak transmit Power - Channel 44



Peak transmit Power - Channel 48



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode3: Transmit (CDD)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

IEEE 802.11a, ANT 0+1					
Channel No.	Frequency (MHz)	Output Power (mW)	Output Power (dBm)	Required Limit	Result
36	5180	129.30	21.12	≤24	Pass
44	5220	97.96	19.91	≤24	Pass
48	5240	97.29	19.88	≤24	Pass

The worst emission of data rate is 6 Mbps.

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
36	5180	21.12	--	--	--	--	--	--	24dBm
44	5220	19.91	19.76	19.66	19.56	19.46	19.22	19.04	
48	5240	19.88	--	--	--	--	--	--	

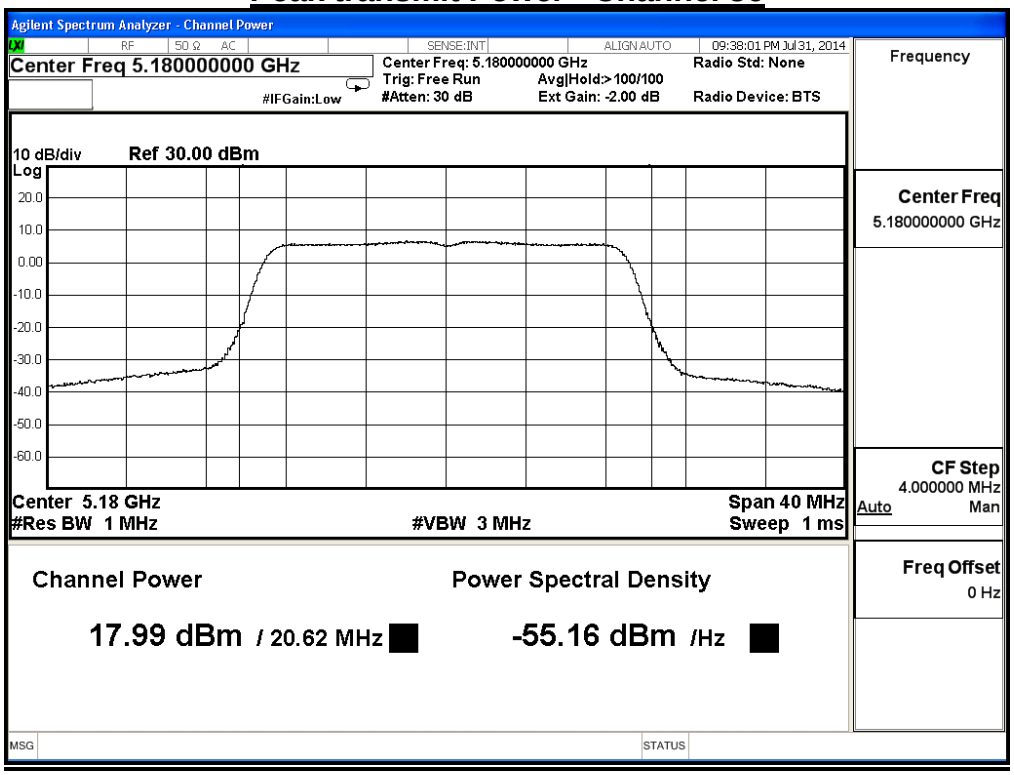
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode3: Transmit (CDD)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

IEEE 802.11n(20MHz), ANT 0					
Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Required Limit	Result
36	5180	20.62	17.99	≤24	Pass
44	5220	20.61	17.09	≤24	Pass
48	5240	20.62	17.19	≤24	Pass

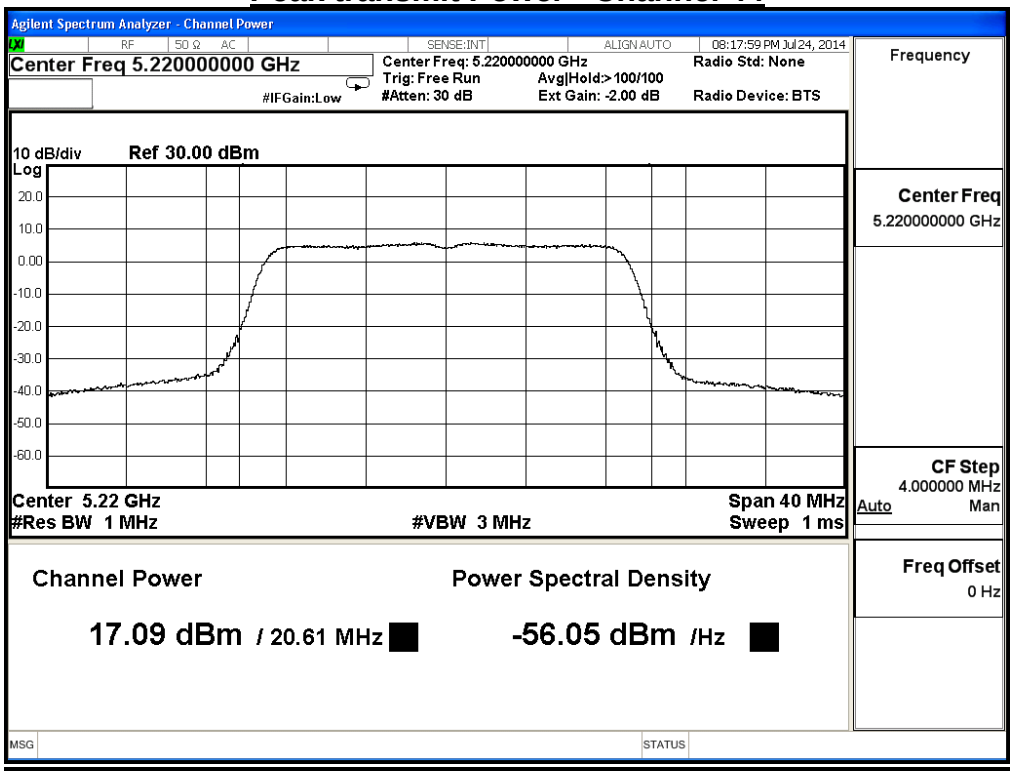
The worst emission of data rate is 6.5Mbps.

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	17.99	--	--	--	--	--	--	--	24dBm
44	5220	17.09	16.99	16.79	16.69	16.59	16.35	16.23	16.11	
48	5240	17.19	--	--	--	--	--	--	--	

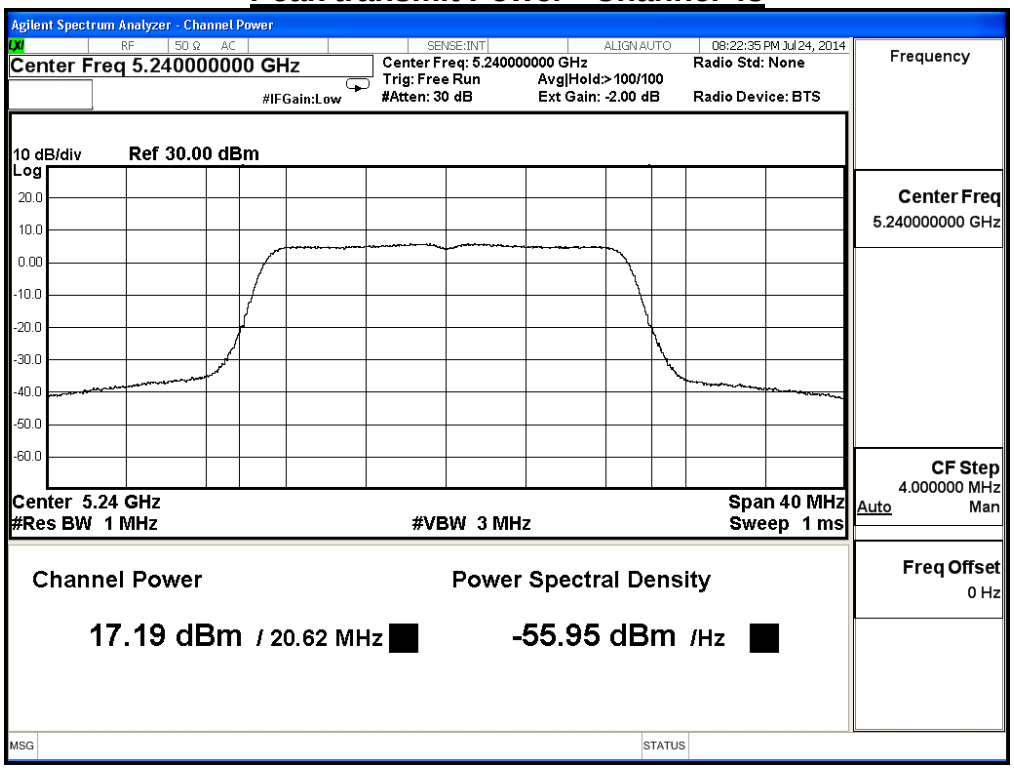
Peak transmit Power - Channel 36



Peak transmit Power - Channel 44



Peak transmit Power - Channel 48



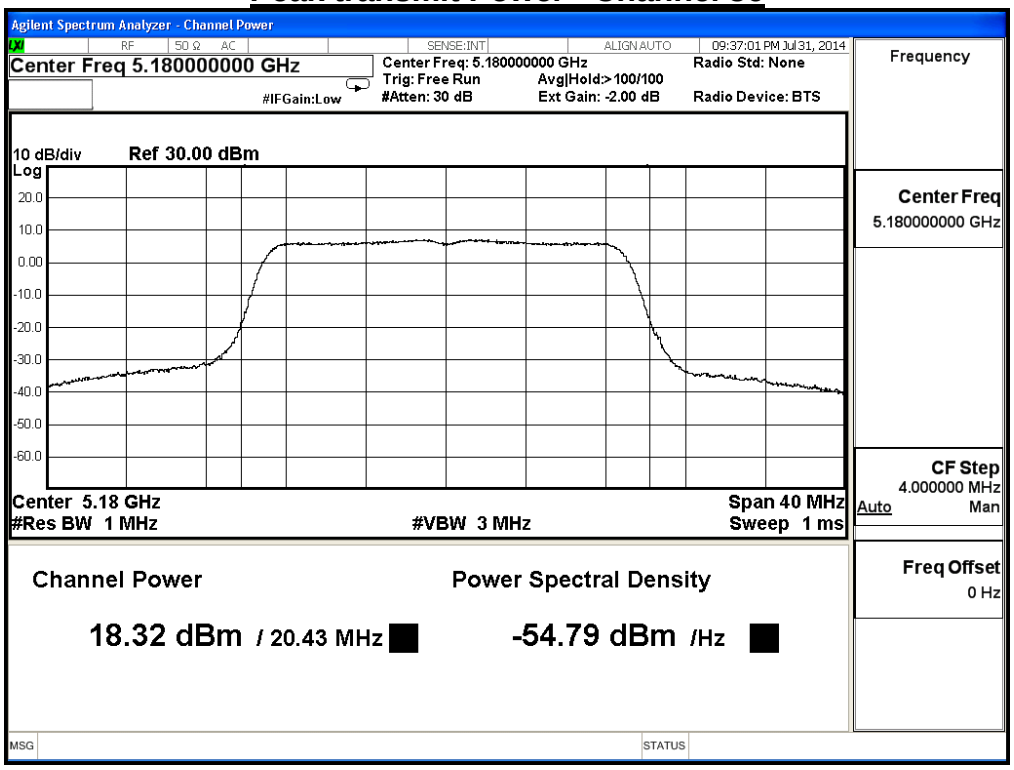
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode3: Transmit (CDD)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

IEEE 802.11n(20MHz), ANT 1					
Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Required Limit	Result
36	5180	20.43	18.32	≤24	Pass
44	5220	20.41	17.26	≤24	Pass
48	5240	20.43	17.16	≤24	Pass

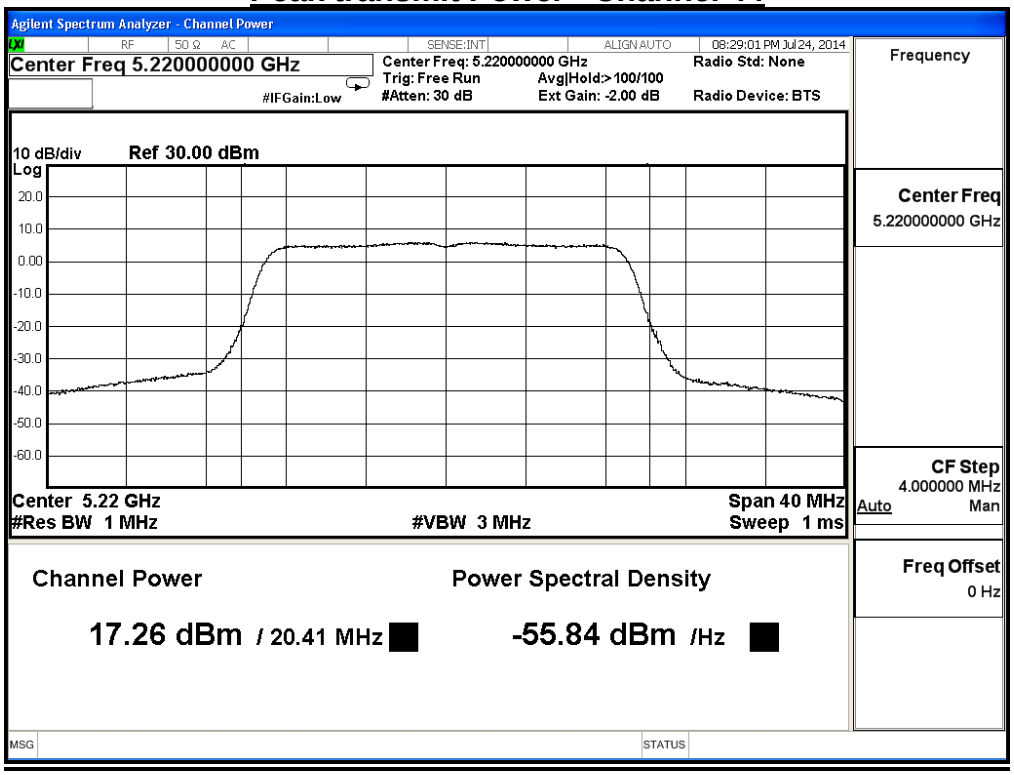
The worst emission of data rate is 6.5Mbps.

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	18.32	--	--	--	--	--	--	--	24dBm
44	5220	17.26	17.16	17.06	16.96	16.76	16.64	16.40	16.16	
48	5240	17.16	--	--	--	--	--	--	--	

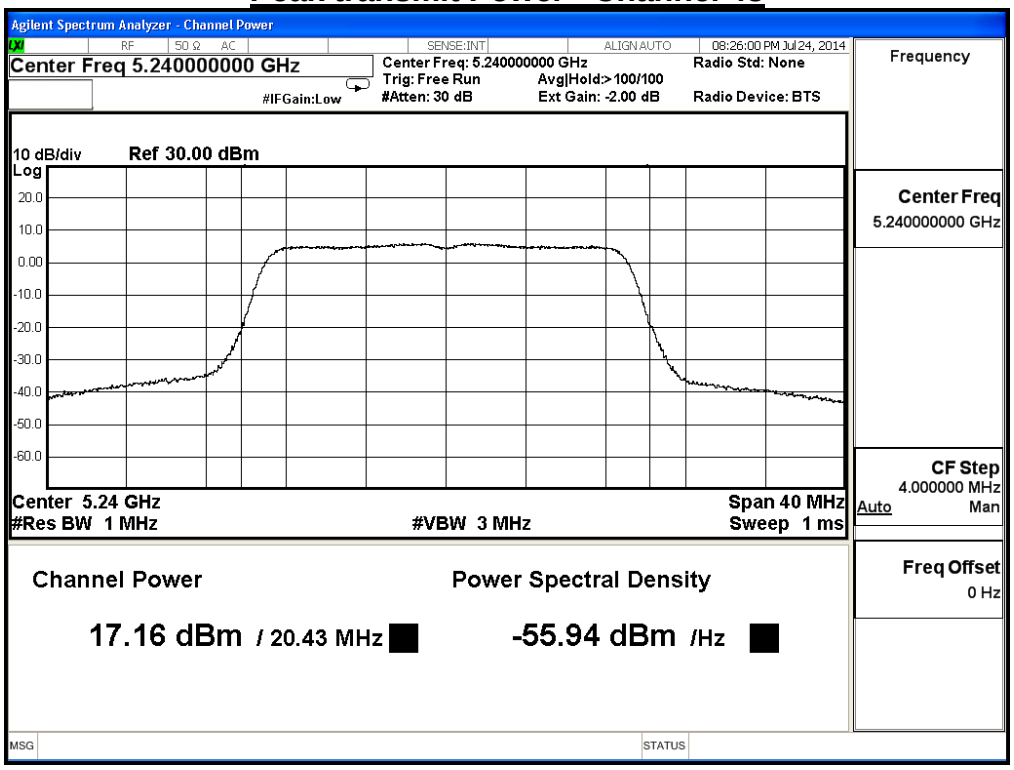
Peak transmit Power - Channel 36



Peak transmit Power - Channel 44



Peak transmit Power - Channel 48



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode3: Transmit (CDD)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

IEEE 802.11n(20MHz), ANT 0+1					
Channel No.	Frequency (MHz)	Output Power (mW)	Output Power (dBm)	Required Limit	Result
36	5180	130.87	21.17	≤24	Pass
44	5220	104.38	20.19	≤24	Pass
48	5240	104.36	20.19	≤24	Pass

The worst emission of data rate is 6.5Mbps.

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	21.17	--	--	--	--	--	--	--	24dBm
44	5220	20.19	20.09	19.94	19.84	19.69	19.51	19.33	19.15	
48	5240	20.19	--	--	--	--	--	--	--	

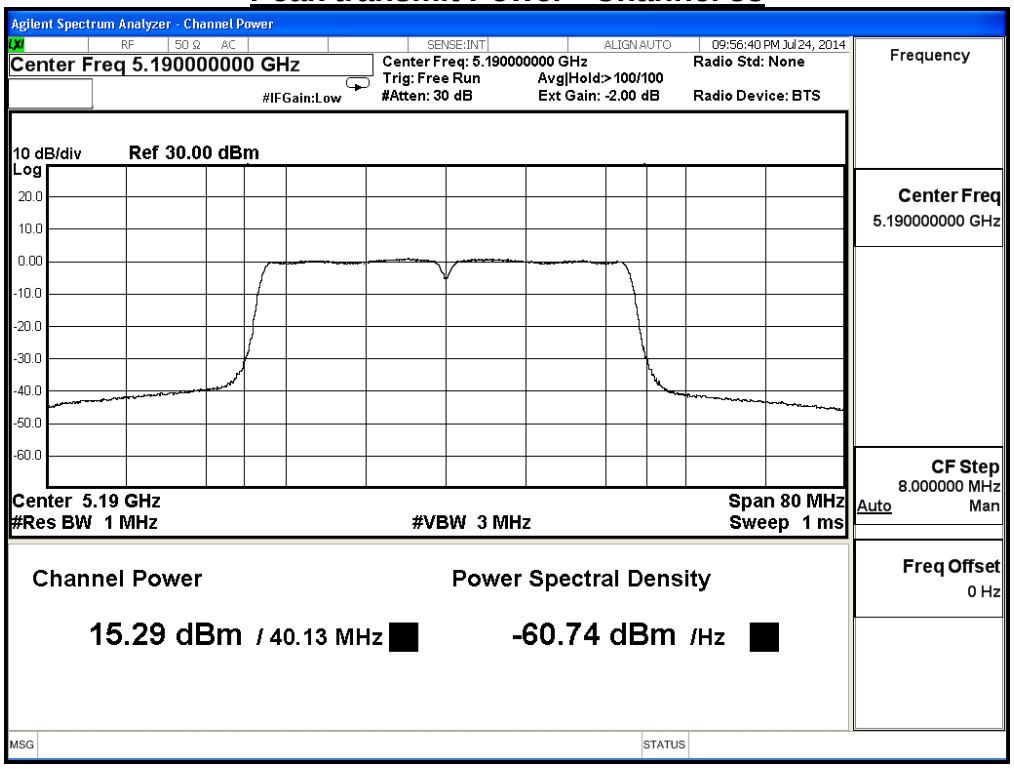
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode3: Transmit (CDD)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

IEEE 802.11n(40MHz), ANT 0					
Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Required Limit	Result
38	5190	40.13	15.29	≤24	Pass
46	5230	39.88	19.56	≤24	Pass

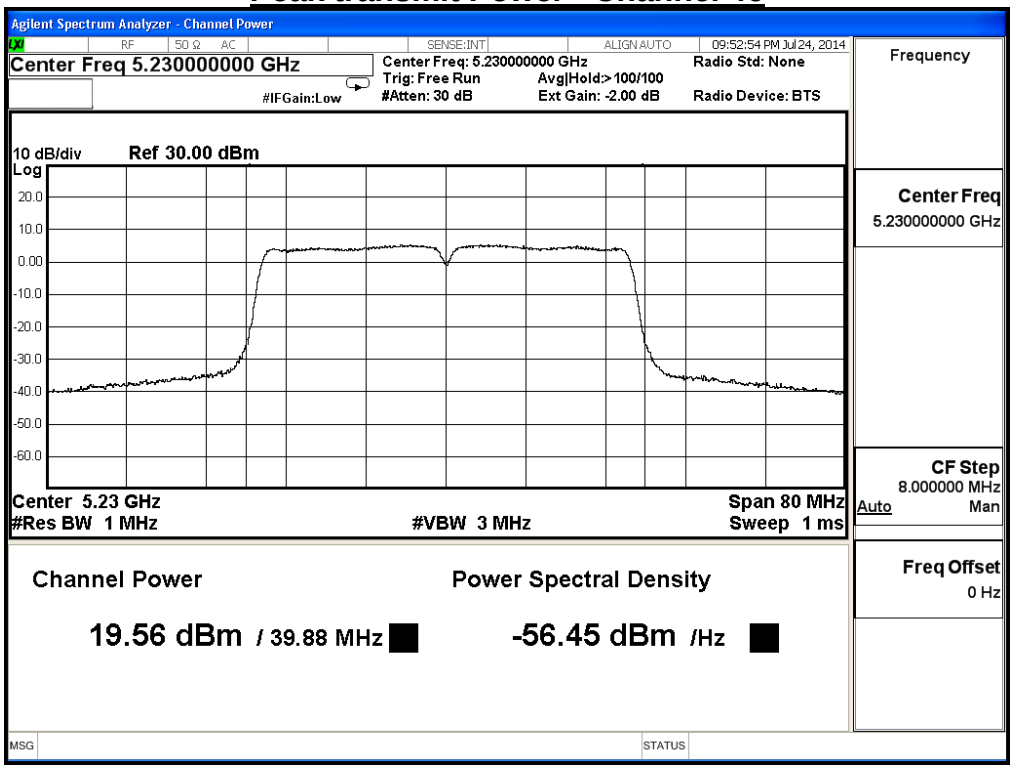
The worst emission of data rate is 13.5 Mbps

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	15.29	--	--	--	--	--	--	--	24dBm
46	5230	19.56	19.36	19.16	18.96	18.76	18.64	18.52	18.40	

Peak transmit Power - Channel 38



Peak transmit Power - Channel 46



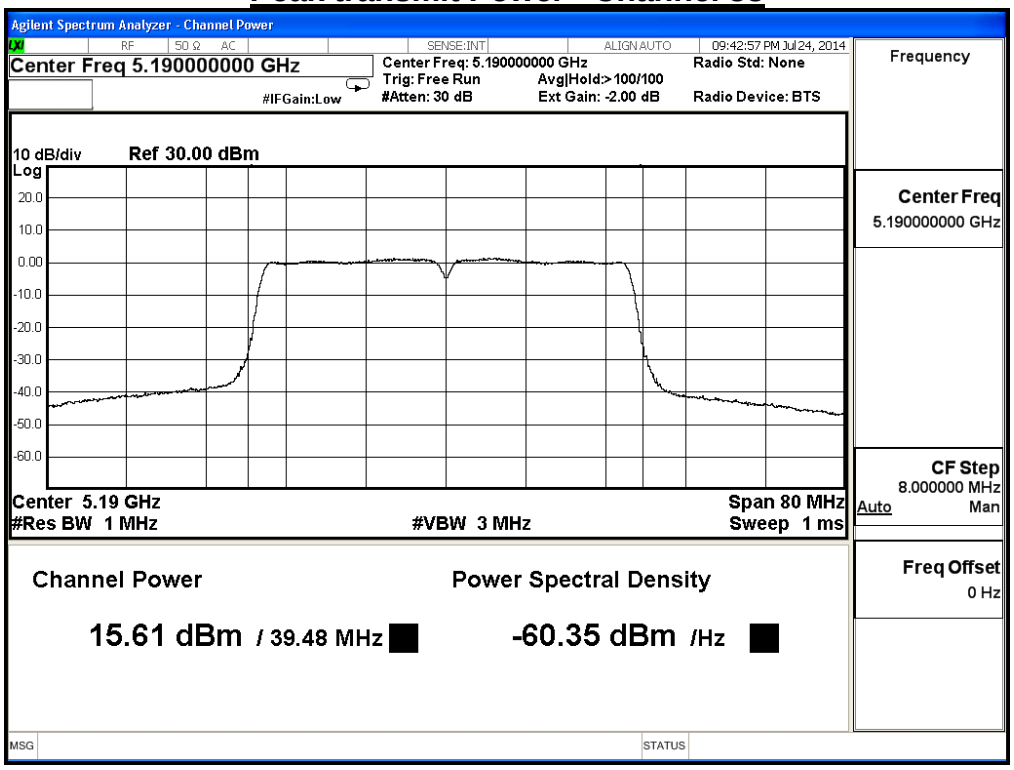
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode3: Transmit (CDD)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

IEEE 802.11n(40MHz), ANT 1					
Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Required Limit	Result
38	5190	39.48	15.61	≤24	Pass
46	5230	39.61	19.45	≤24	Pass

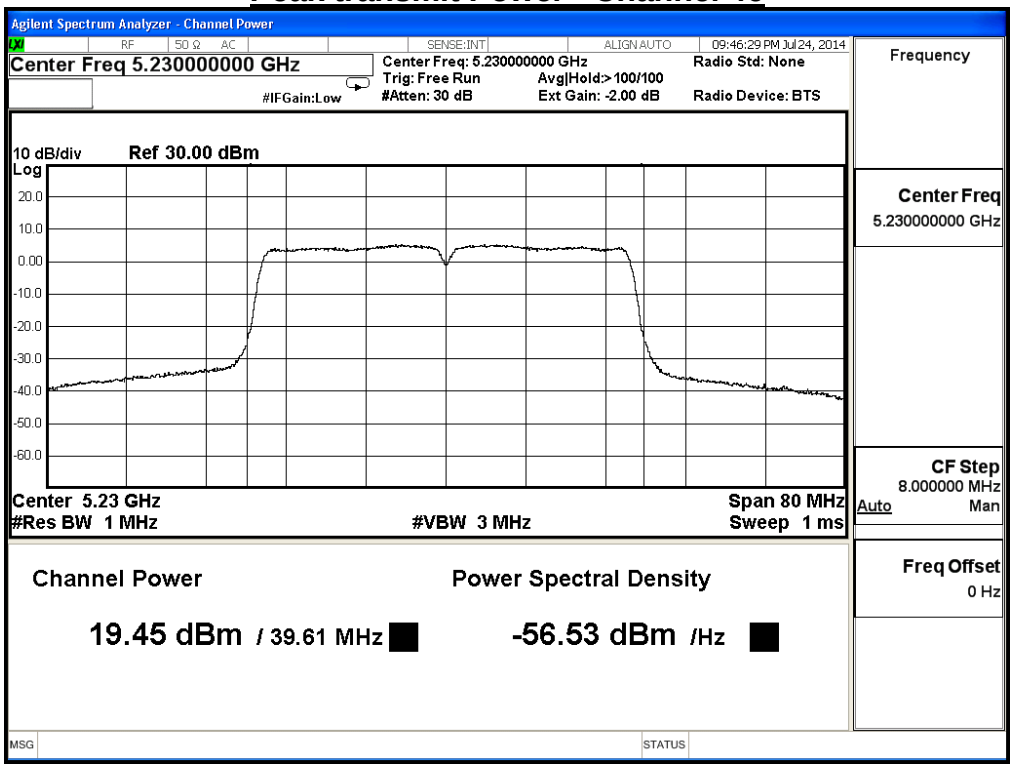
The worst emission of data rate is 13.5 Mbps

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	15.61	--	--	--	--	--	--	--	24dBm
46	5230	19.45	19.35	19.15	18.95	18.75	18.51	18.27	18.15	

Peak transmit Power - Channel 38



Peak transmit Power - Channel 46



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode3: Transmit (CDD)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

IEEE 802.11n(40MHz)_ANT 0+1					
Channel No.	Frequency (MHz)	Output Power (mW)	Output Power (dBm)	Required Limit	Result
38	5190	70.20	18.46	≤24	Pass
46	5230	178.47	22.52	≤24	Pass

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	18.46	--	--	--	--	--	--	--	24dBm
46	5230	22.52	22.37	22.17	21.97	21.77	21.59	21.41	21.29	

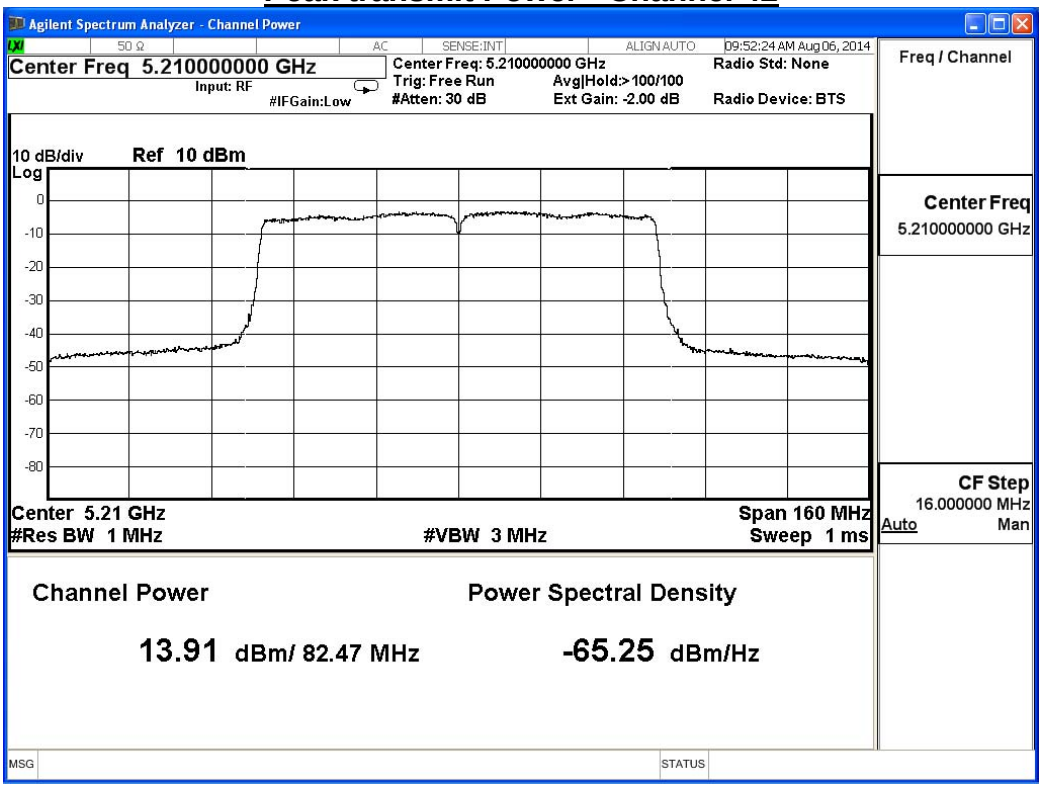
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode3: Transmit (CDD)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

IEEE 802.11ac(80MHz), ANT 0					
Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Required Limit	Result
42	5210	82.47	13.91	≤24	Pass

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
Channel No	Frequency (MHz)	Data Rate									
		29.3	58.5	87.8	117	175.5	234	263.3	292.5	351	390
42	5210	13.91	13.71	13.51	13.31	13.21	13.01	12.89	12.65	12.53	12.41

Peak transmit Power - Channel 42



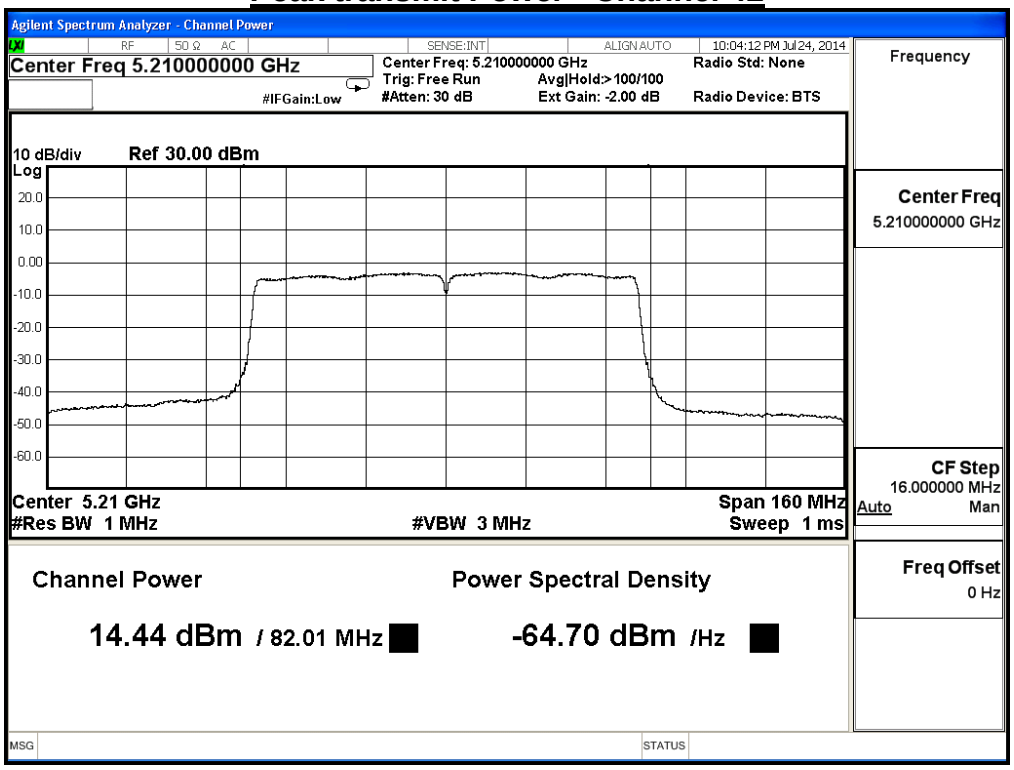
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode3: Transmit (CDD)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

IEEE 802.11ac(80MHz), ANT 1					
Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Required Limit	Result
42	5210	82.01	14.44	≤24	Pass

The worst emission of data rate is 29.3Mbps.

Peak Power Output (dBm)											
MCS Index		0	1	2	3	4	5	6	7	8	9
Channel No	Frequency (MHz)	Data Rate									
		29.3	58.5	87.8	117	175.5	234	263.3	292.5	351	390
42	5210	14.440	14.34	14.14	14.04	13.94	13.84	13.60	13.48	13.36	13.12

Peak transmit Power - Channel 42



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode3: Transmit (CDD)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

IEEE 802.11ac(80MHz)_ANT 0+1					
Channel No.	Frequency (MHz)	Output Power (mW)	Output Power (dBm)	Required Limit	Result
42	5210	52.40	17.19	≤24	Pass

The worst emission of data rate is 29.3Mbps.

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	8	9
Channel No	Frequency (MHz)	Data Rate									
		29.3	58.5	87.8	117	175.5	234	263.3	292.5	351	390
42	5210	17.19	18.19	18.00	17.78	17.65	17.48	17.33	17.22	17.04	16.85

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode4: Transmit (Beamforming)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

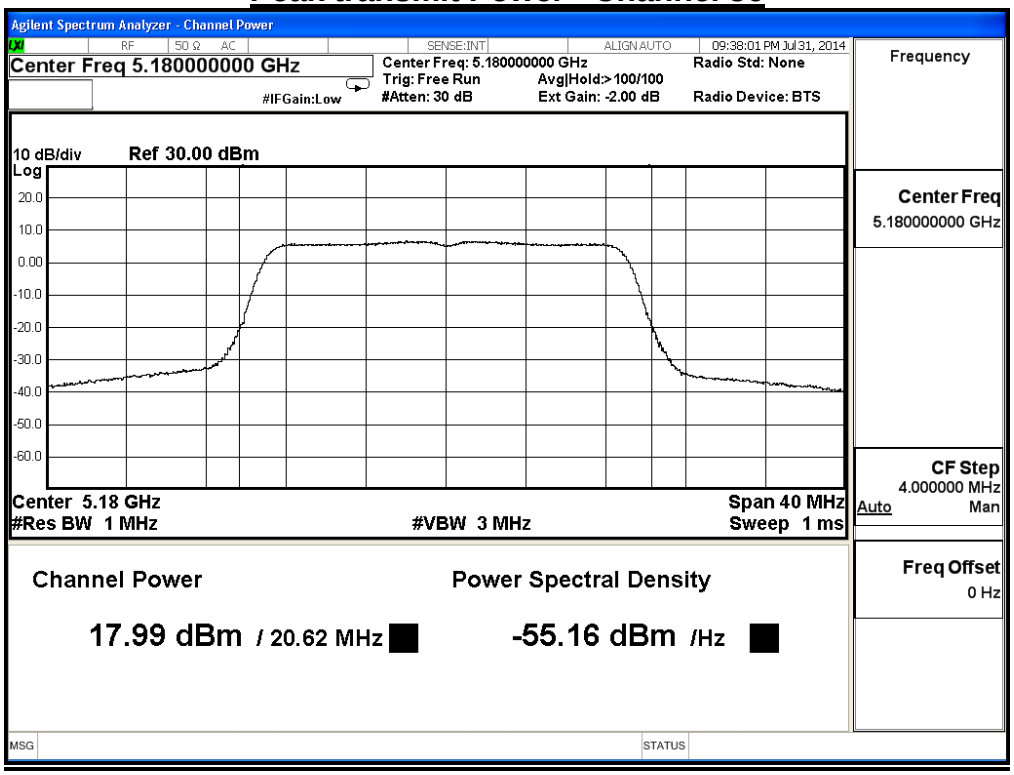
IEEE 802.11n(20MHz), ANT 0					
Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Required Limit	Result
36	5180	20.62	17.99	≤23.92	Pass
44	5220	20.54	15.71	≤23.92	Pass
48	5240	20.85	15.65	≤23.92	Pass

The worst emission of data rate is 13Mbps.

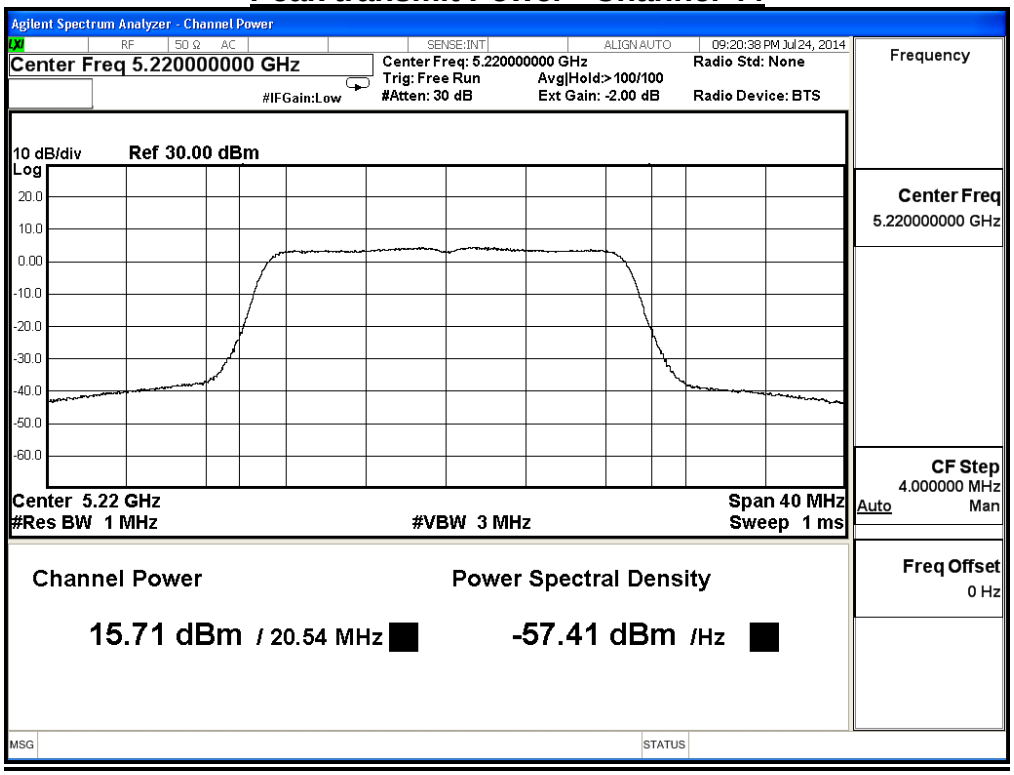
Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		6.5	13	19.5	26	39	52	58.5	65	
36	5180	17.99	--	--	--	--	--	--	--	23.92dBm
44	5220	15.71	15.51	15.41	15.21	15.01	14.77	14.53	14.29	
48	5240	15.65	--	--	--	--	--	--	--	

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 24dBm-(6.08dBi-6dB) = 23.92 dBm

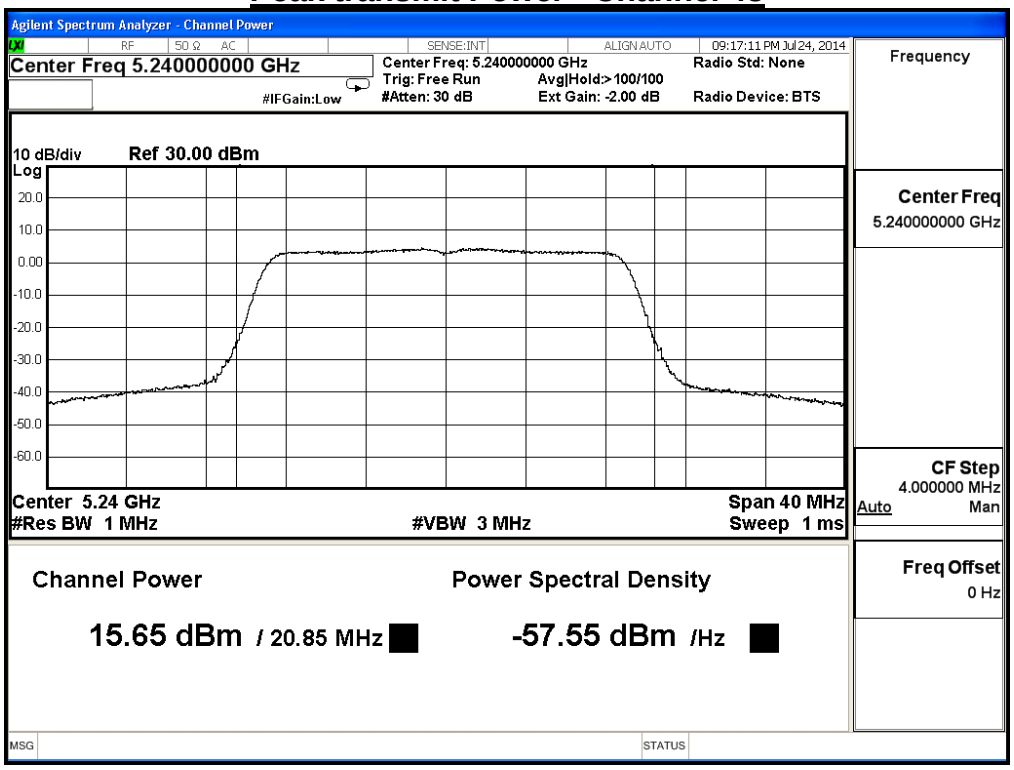
Peak transmit Power - Channel 36



Peak transmit Power - Channel 44



Peak transmit Power - Channel 48



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode4: Transmit (Beamforming)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

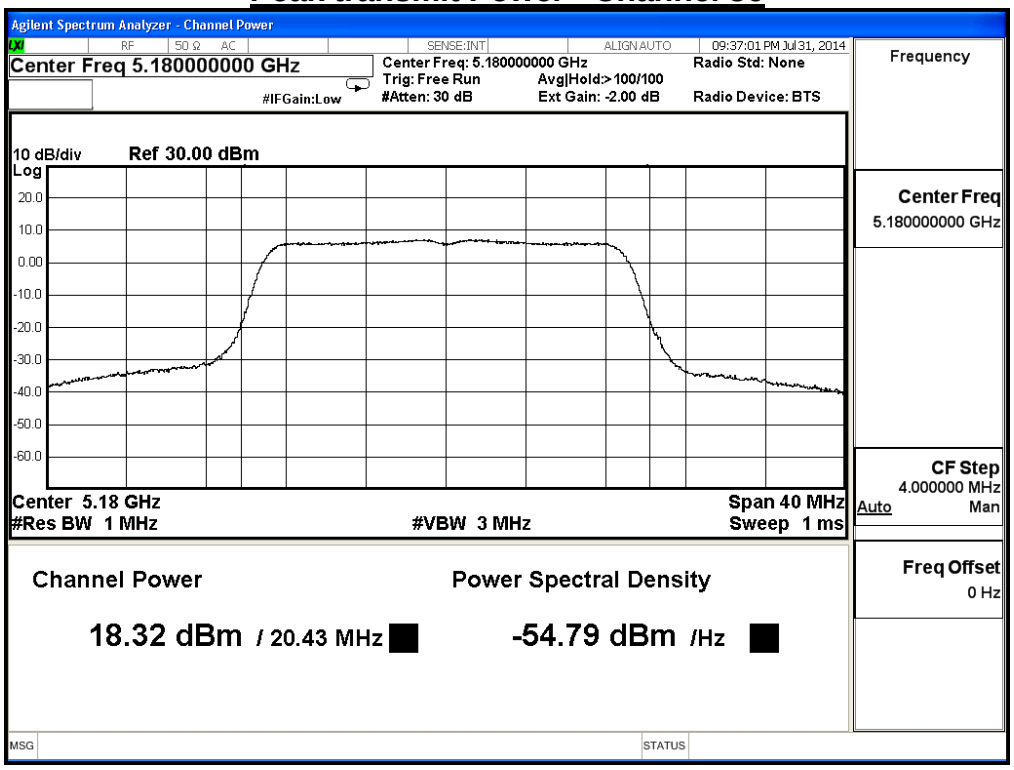
IEEE 802.11n(20MHz), ANT 1					
Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Required Limit	Result
36	5180	20.43	18.32	≤23.92	Pass
44	5220	20.37	15.82	≤23.92	Pass
48	5240	20.51	15.58	≤23.92	Pass

The worst emission of data rate is 13Mbps.

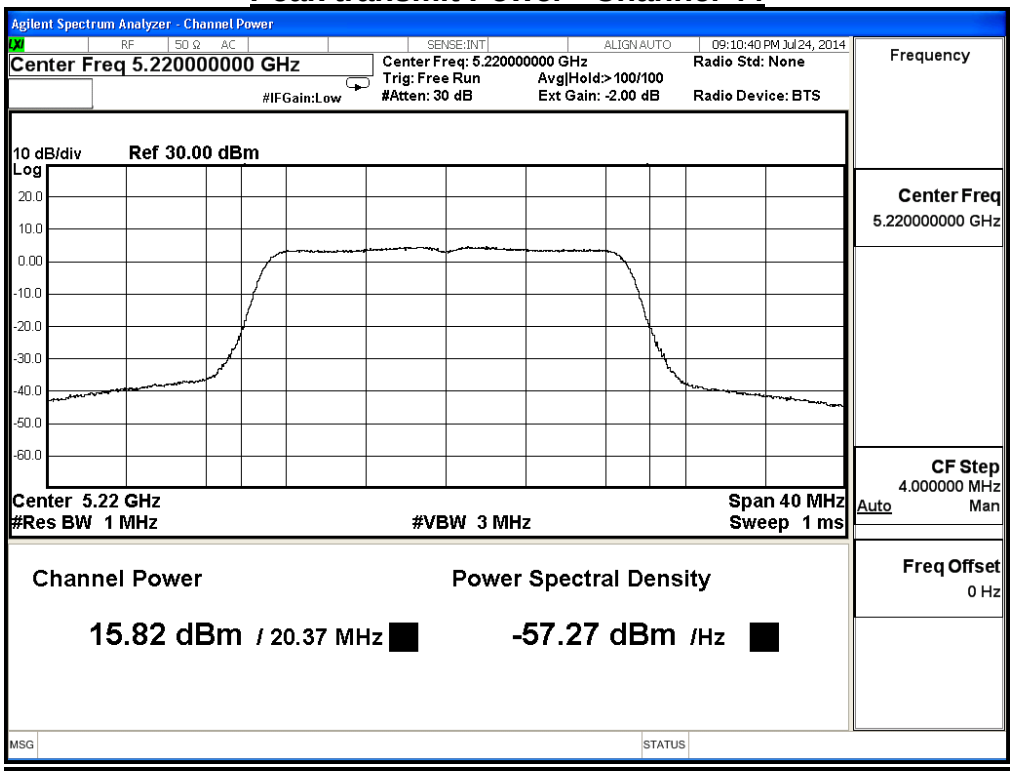
Peak Power Output (dBm)									
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		6.5	13	19.5	26	39	52	58.5	65	
36	5180	18.32	--	--	--	--	--	--	--	23.92dBm
44	5220	15.82	15.62	15.52	15.32	15.22	15.10	14.98	14.74	
48	5240	15.58	--	--	--	--	--	--	--	

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 24dBm-(6.08dBi-6dB) = 23.92 dBm

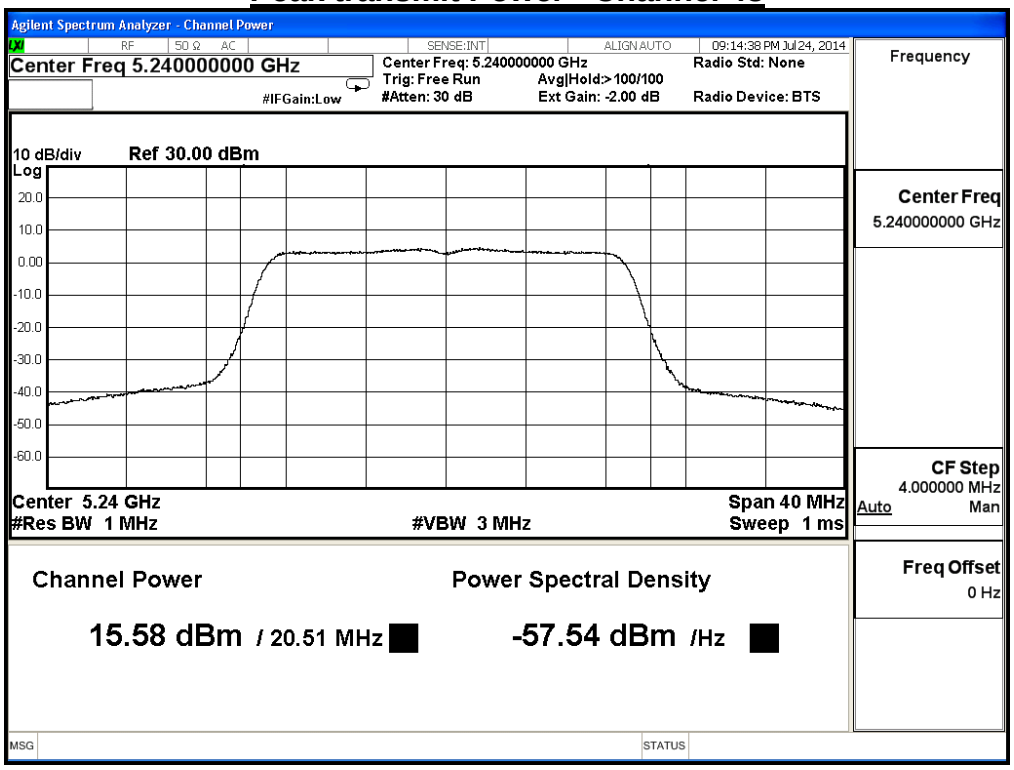
Peak transmit Power - Channel 36



Peak transmit Power - Channel 44



Peak transmit Power - Channel 48



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode4: Transmit (Beamforming)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

IEEE 802.11n(20MHz), ANT 0+1					
Channel No.	Frequency (MHz)	Output Power (mW)	Output Power (dBm)	Required Limit	Result
36	5180	130.87	21.17	≤23.92	Pass
44	5220	75.43	18.78	≤23.92	Pass
48	5240	72.87	18.63	≤23.92	Pass

The worst emission of data rate is 13Mbps.

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	21.17	--	--	--	--	--	--	--	23.92dBm
44	5220	18.78	18.58	18.48	18.28	18.13	17.95	17.77	17.53	
48	5240	18.63	--	--	--	--	--	--	--	

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 24dBm-(6.08dBi-6dB) = 23.92 dBm

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode4: Transmit (Beamforming)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

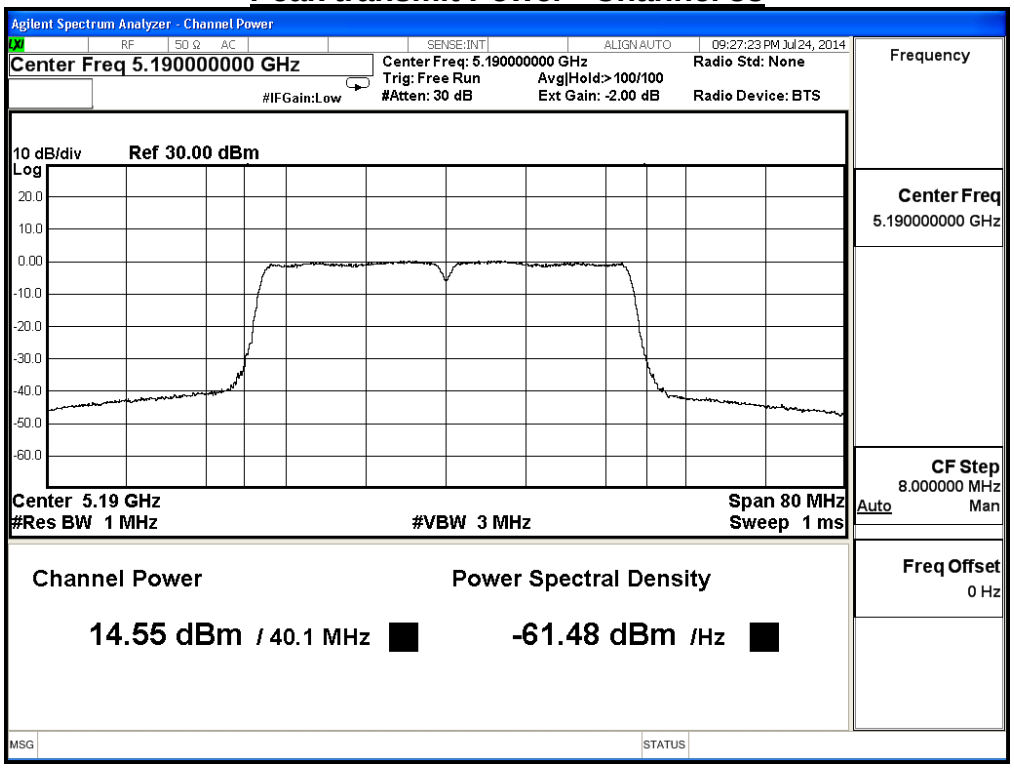
IEEE 802.11n(40MHz), ANT 0					
Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Required Limit	Result
38	5190	40.10	14.55	≤23.92	Pass
46	5230	39.84	18.86	≤23.92	Pass

The worst emission of data rate is 27Mbps

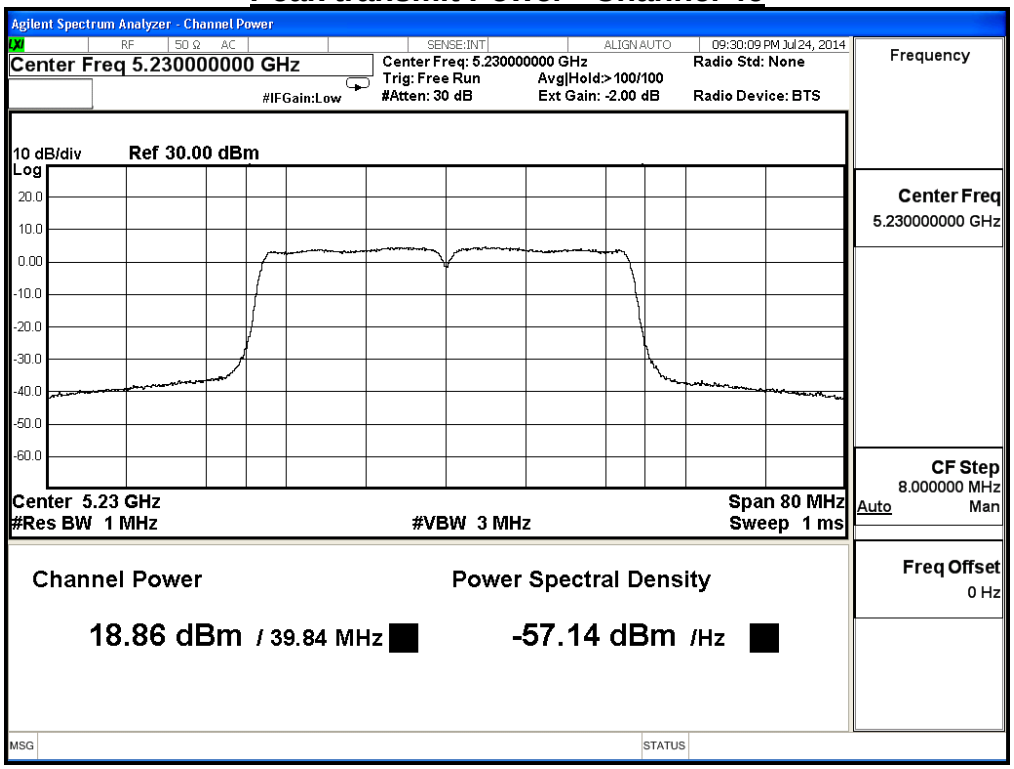
Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		13.5	27	40.5	54	81	108	121.5	135	
38	5190	14.55	--	--	--	--	--	--	--	23.92dBm
46	5230	18.86	18.66	18.46	18.26	18.06	17.94	17.82	17.70	

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 24dBm-(6.08dBi-6dB) = 23.92 dBm

Peak transmit Power - Channel 38



Peak transmit Power - Channel 46



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode4: Transmit (Beamforming)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

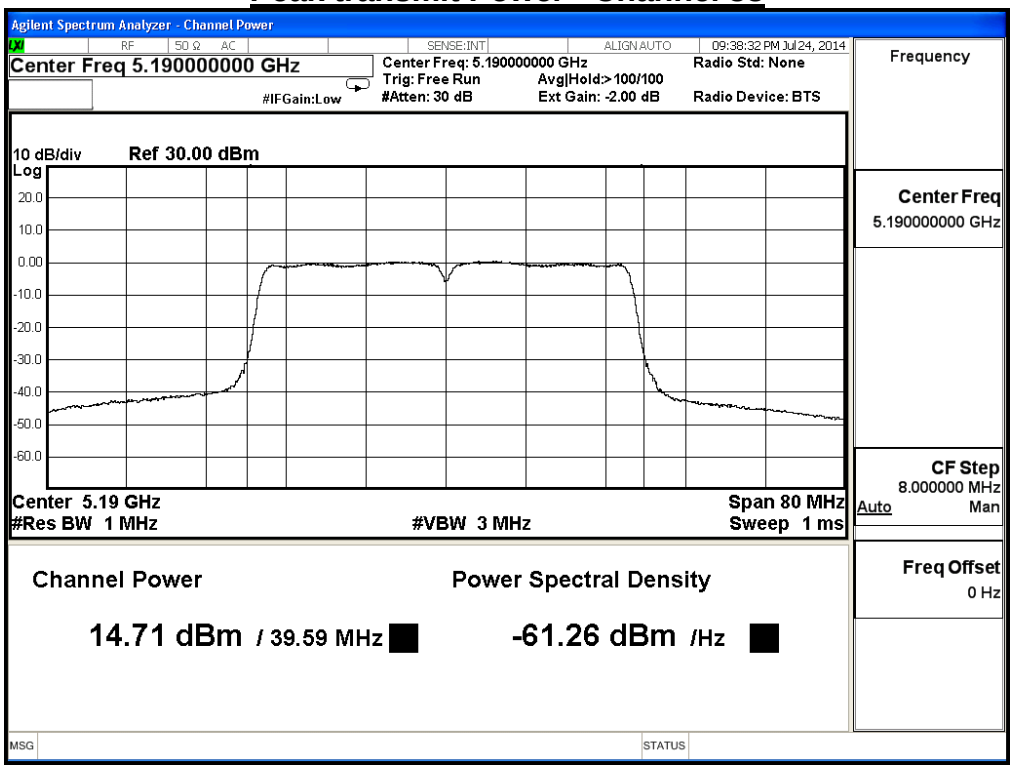
IEEE 802.11n(40MHz), ANT 1					
Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Required Limit	Result
38	5190	39.59	14.71	≤23.92	Pass
46	5230	39.44	18.88	≤23.92	Pass

The worst emission of data rate is 27Mbps

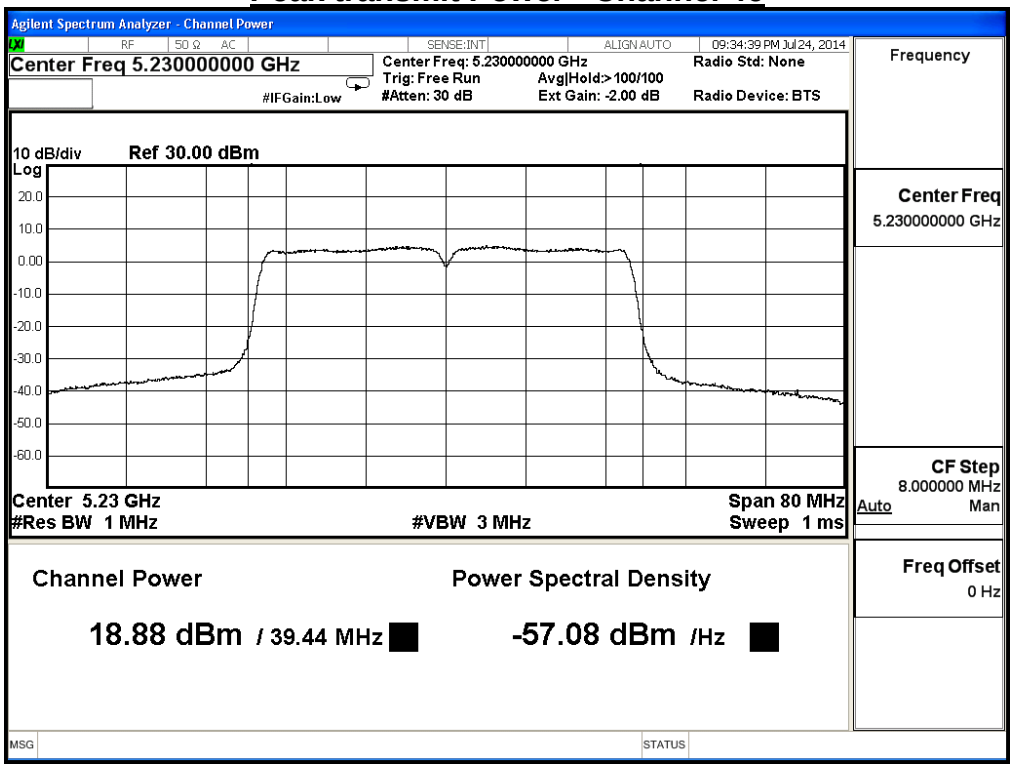
Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		13.5	27	40.5	54	81	108	121.5	135	
38	5190	14.71	--	--	--	--	--	--	--	23.92dBm
46	5230	18.88	18.68	18.48	18.38	18.18	18.06	17.82	17.70	

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 24dBm-(6.08dBi-6dB) = 23.92 dBm

Peak transmit Power - Channel 38



Peak transmit Power - Channel 46



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode4: Transmit (Beamforming)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

IEEE 802.11n(40MHz)_ANT 0+1					
Channel No.	Frequency (MHz)	Output Power (mW)	Output Power (dBm)	Required Limit	Result
38	5190	58.09	17.64	≤23.92	Pass
46	5230	154.18	21.88	≤23.92	Pass

The worst emission of data rate is 27Mbps

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	17.64	--	--	--	--	--	--	--	23.92dBm
46	5230	21.88	21.68	21.48	21.33	21.13	21.01	20.83	20.71	

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 24dBm-(6.08dBi-6dB) = 23.92 dBm

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode4: Transmit (Beamforming)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

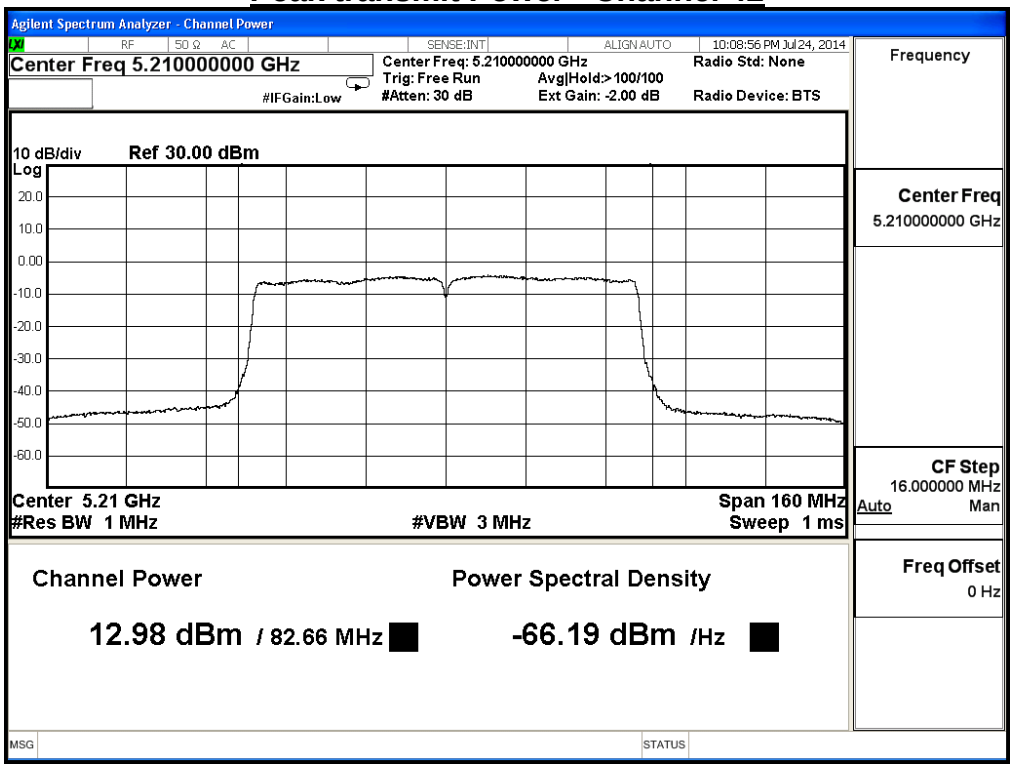
IEEE 802.11ac(80MHz), ANT 0					
Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Required Limit	Result
42	5210	82.66	12.98	≤23.92	Pass

The worst emission of data rate is 58.5 Mbps.

Peak Power Output (dBm)											
MCS Index		0	1	2	3	4	5	6	7	8	9
Channel No	Frequency (MHz)	Data Rate									
		29.3	58.5	87.8	117	175.5	234	263.3	292.5	351	390
42	5210	12.98	12.88	12.78	12.68	12.48	12.38	12.26	12.14	12.02	11.90

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 24dBm-(6.08dBi-6dB) = 23.92 dBm

Peak transmit Power - Channel 42



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode4: Transmit (Beamforming)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

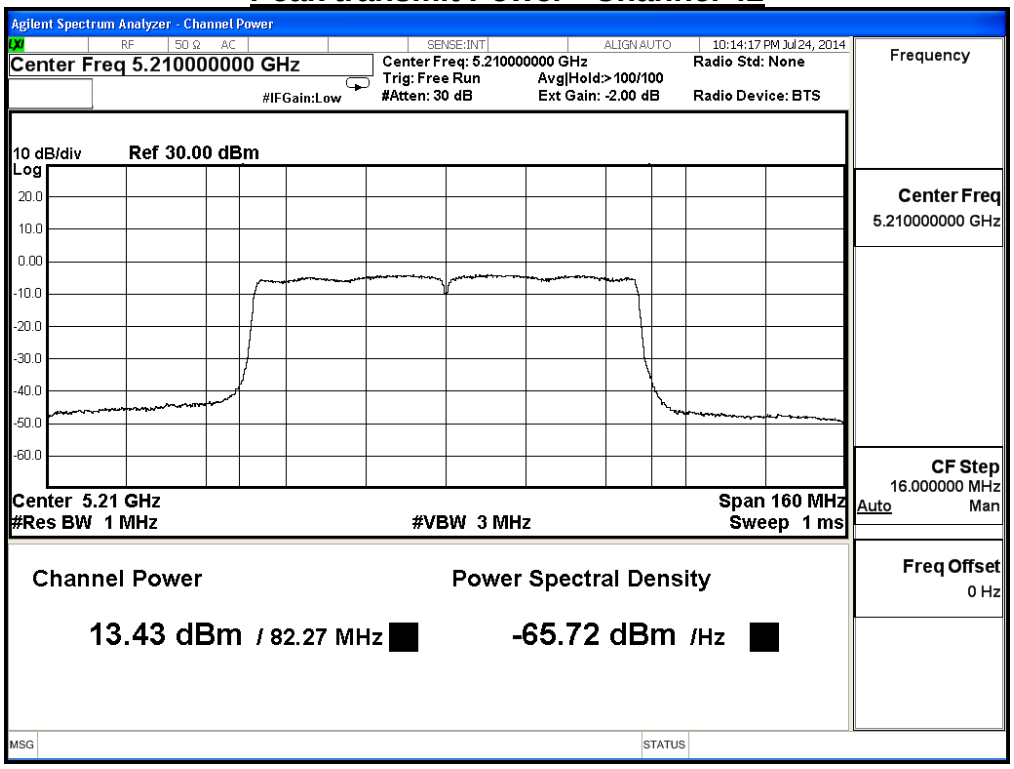
IEEE 802.11ac(80MHz), ANT 1					
Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Required Limit	Result
42	5210	82.27	13.43	≤23.92	Pass

The worst emission of data rate is 58.5Mbps.

Peak Power Output (dBm)											
MCS Index		0	1	2	3	4	5	6	7	8	9
Channel No	Frequency (MHz)	Data Rate									
		29.3	58.5	87.8	117	175.5	234	263.3	292.5	351	390
42	5210	13.43	13.23	13.13	13.03	12.93	12.73	12.61	12.49	12.37	12.25

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 24dBm-(6.08dBi-6dB) = 23.92 dBm

Peak transmit Power - Channel 42



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode4: Transmit (Beamforming)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

IEEE 802.11ac(80MHz), ANT 0+1					
Channel No.	Frequency (MHz)	Output Power (mW)	Output Power (dBm)	Required Limit	Result
42	5210	41.89	16.22	≤23.92	Pass

The worst emission of data rate is 58.5Mbps.

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	8	9
Channel No	Frequency (MHz)	Data Rate									
		29.3	58.5	87.8	117	175.5	234	263.3	292.5	351	390
42	5210	16.22	16.12	16.02	15.82	15.72	15.62	15.44	15.20	14.96	14.72

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 24dBm-(6.08dBi-6dB) = 23.92 dBm

5. Peak Power Spectrum Density

5.1. Test Equipment

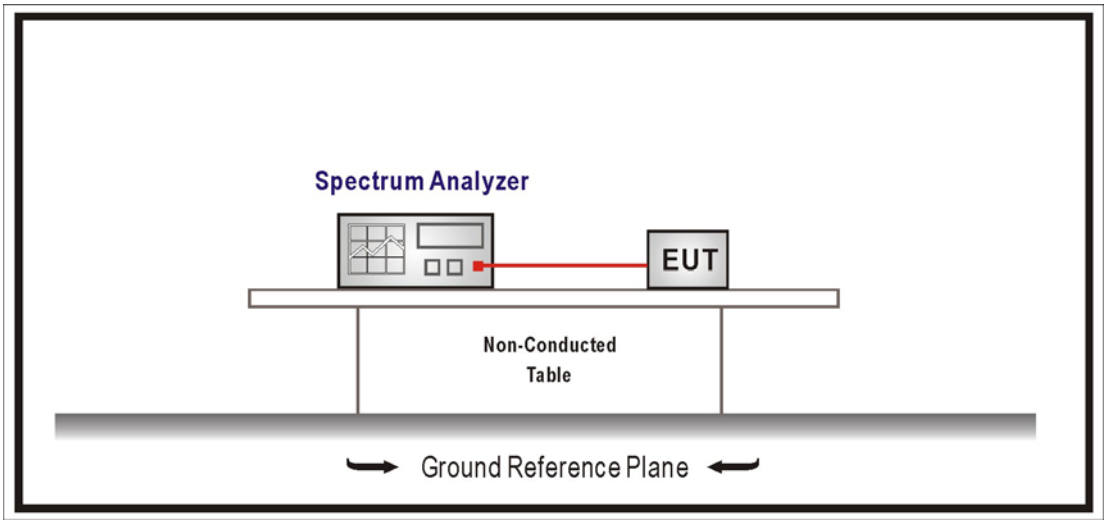
The following test equipments are used during the radiated emission tests:

Peak Power Spectrum Density / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2015/07/14

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 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.
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 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.

5.4. Test Procedure

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

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.

5.5. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB

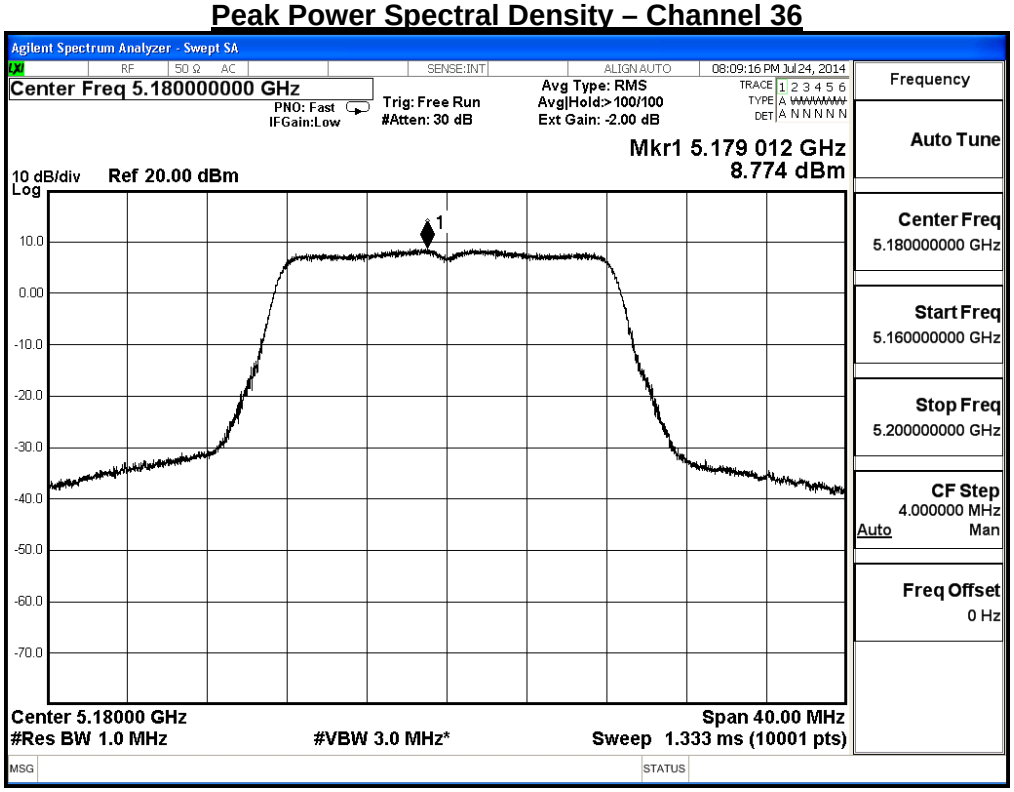
5.6. Test Result

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

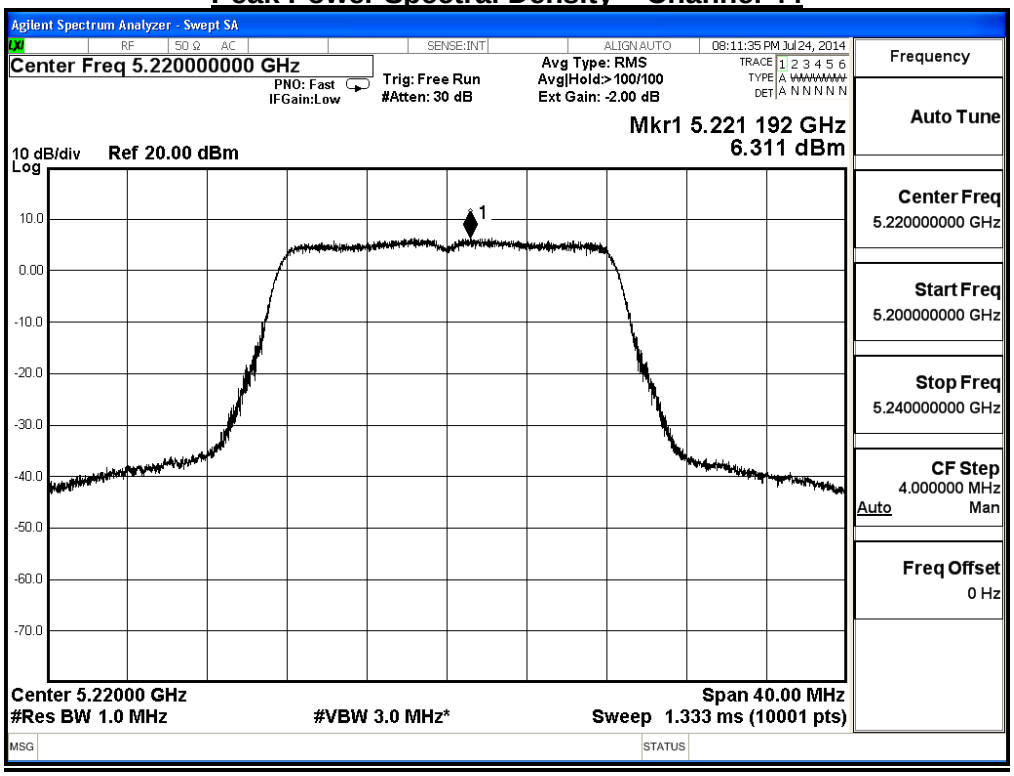
IEEE 802.11a, ANT 0				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
36	5180	8.77	≦16.92	Pass
44	5220	6.31	≦16.92	Pass
48	5240	6.55	≦16.92	Pass

Note:
Directional Antenna Gain = Beamforming Gain + Max Gain = 6.08dBi
Required Limit = 17dBm - (6.08dBi-6dB)=16.92 dBm

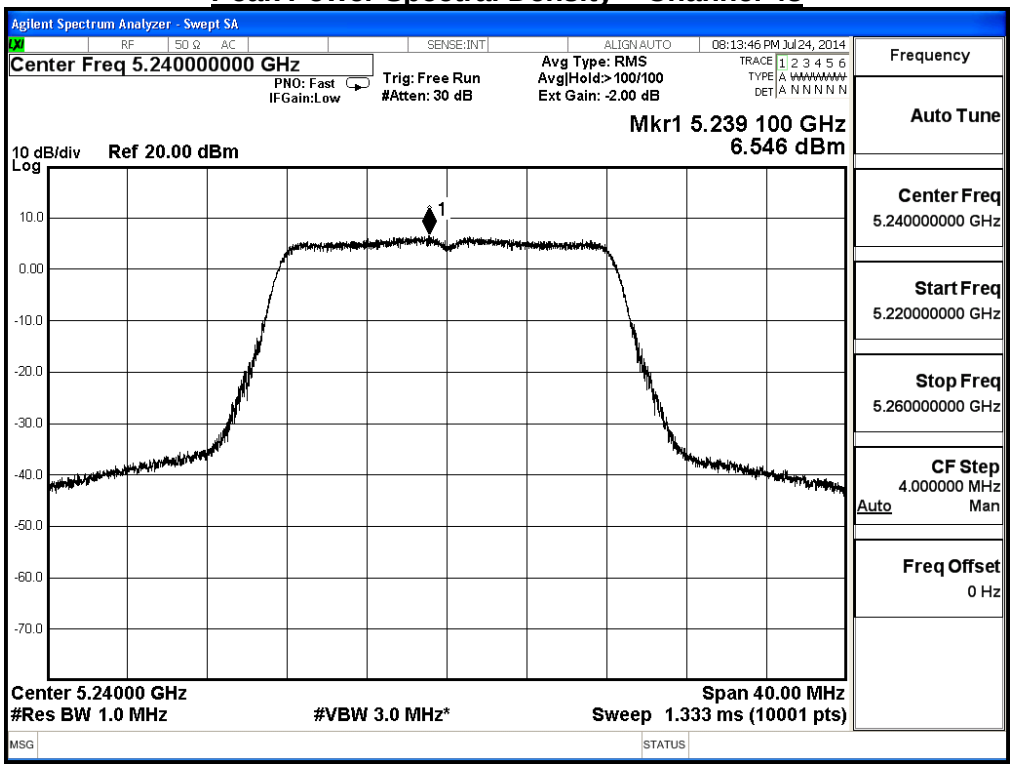
Peak Power Spectral Density – Channel 36



Peak Power Spectral Density – Channel 44



Peak Power Spectral Density – Channel 48

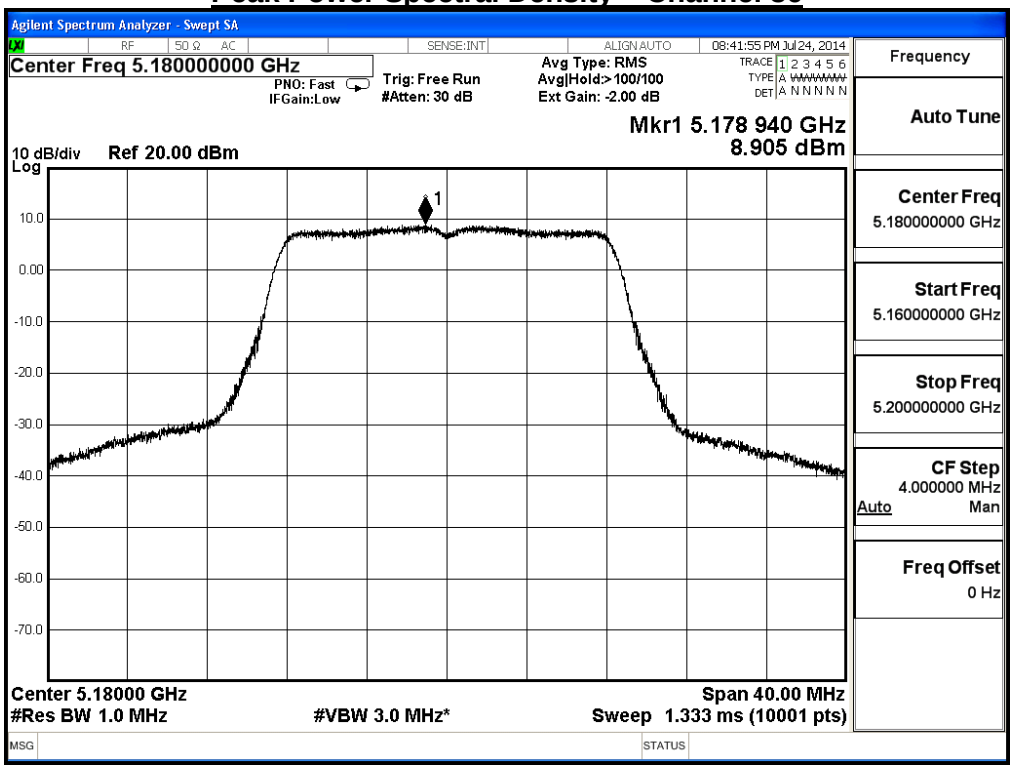


Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

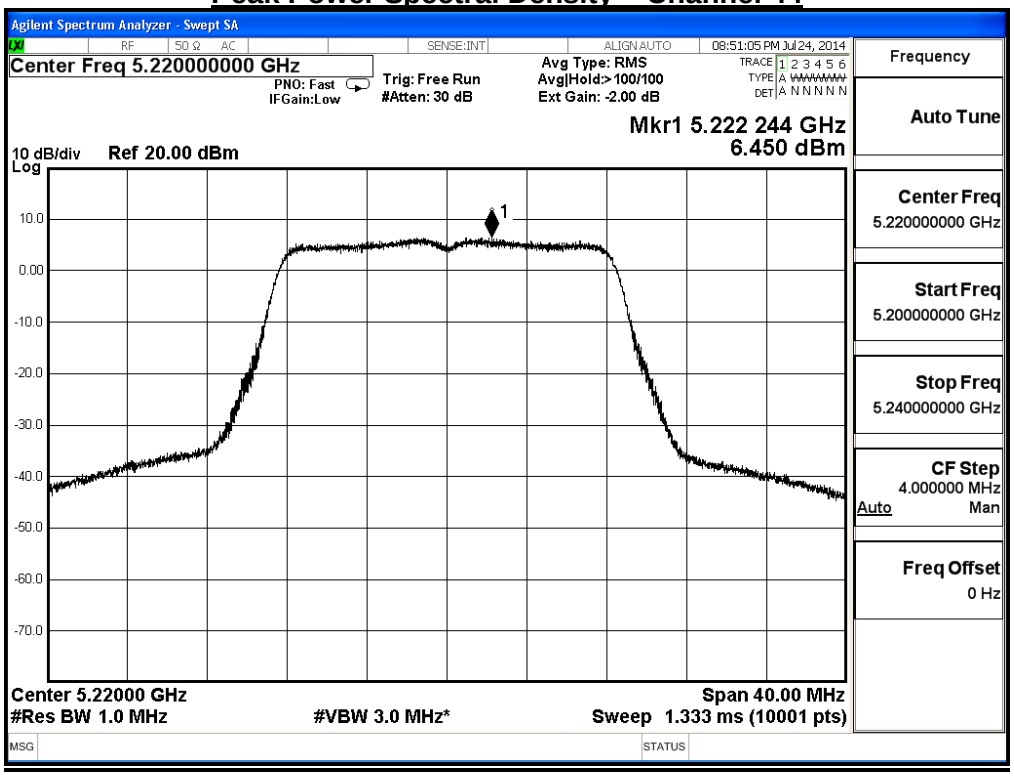
IEEE 802.11a, ANT 1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
36	5180	8.91	≦16.92	Pass
44	5220	6.45	≦16.92	Pass
48	5240	6.55	≦16.92	Pass

Note:
Directional Antenna Gain = Beamforming Gain + Max Gain = 6.08dBi
Required Limit = 17dBm - (6.08dBi-6dB)=16.92 dBm

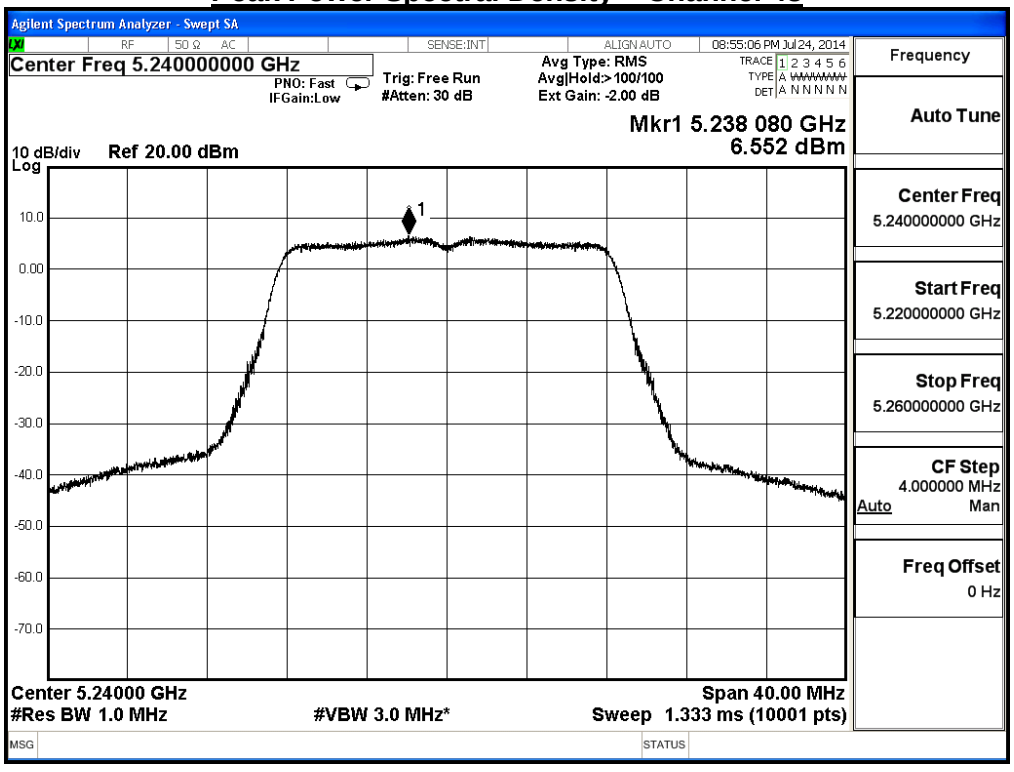
Peak Power Spectral Density – Channel 36



Peak Power Spectral Density – Channel 44



Peak Power Spectral Density – Channel 48



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

IEEE 802.11a, ANT 0+1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
36	5180	11.85	≦16.92	Pass
44	5220	9.39	≦16.92	Pass
48	5240	9.56	≦16.92	Pass

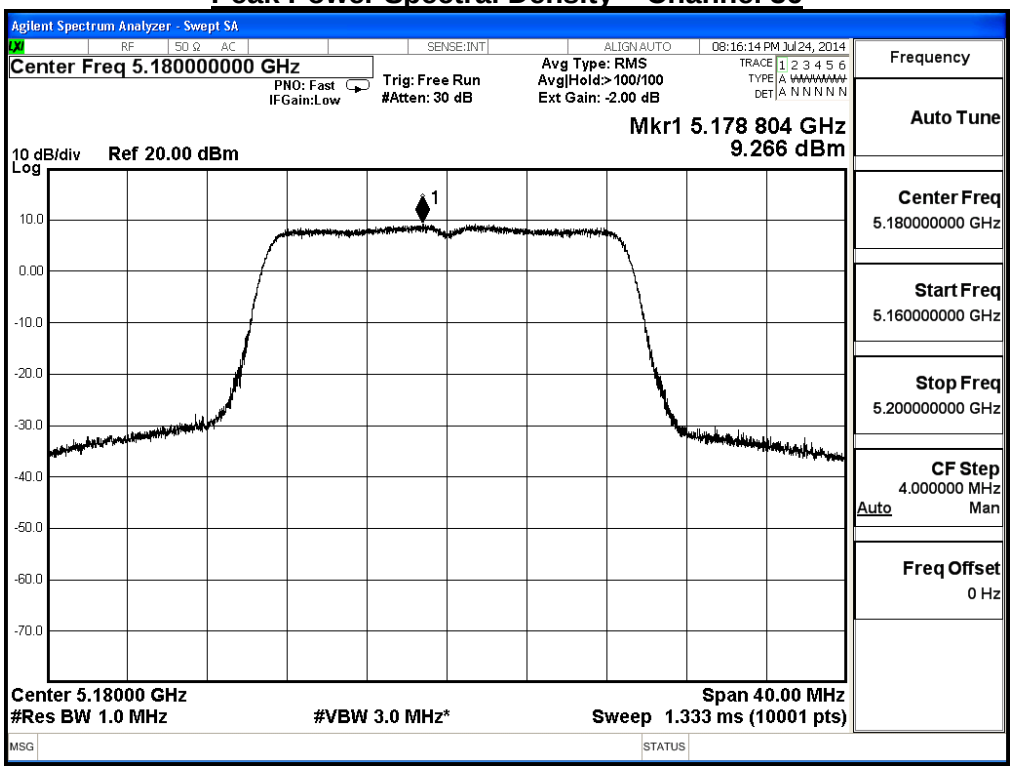
Note:
Directional Antenna Gain = Beamforming Gain + Max Gain = 6.08dBi
Required Limit = 17dBm - (6.08dBi-6dB)=16.92 dBm

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

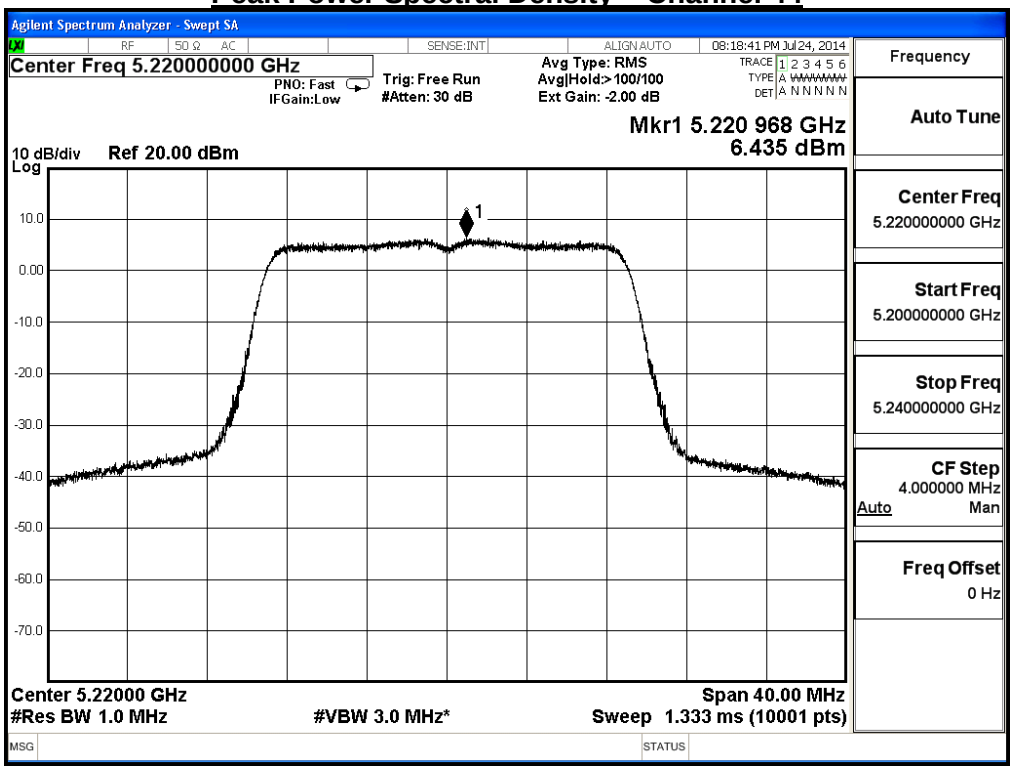
IEEE 802.11n_20M, ANT 0				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
36	5180	9.27	≦16.92	Pass
44	5220	6.44	≦16.92	Pass
48	5240	6.62	≦16.92	Pass

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 17dBm - (6.08dBi-6dB)=16.92 dBm

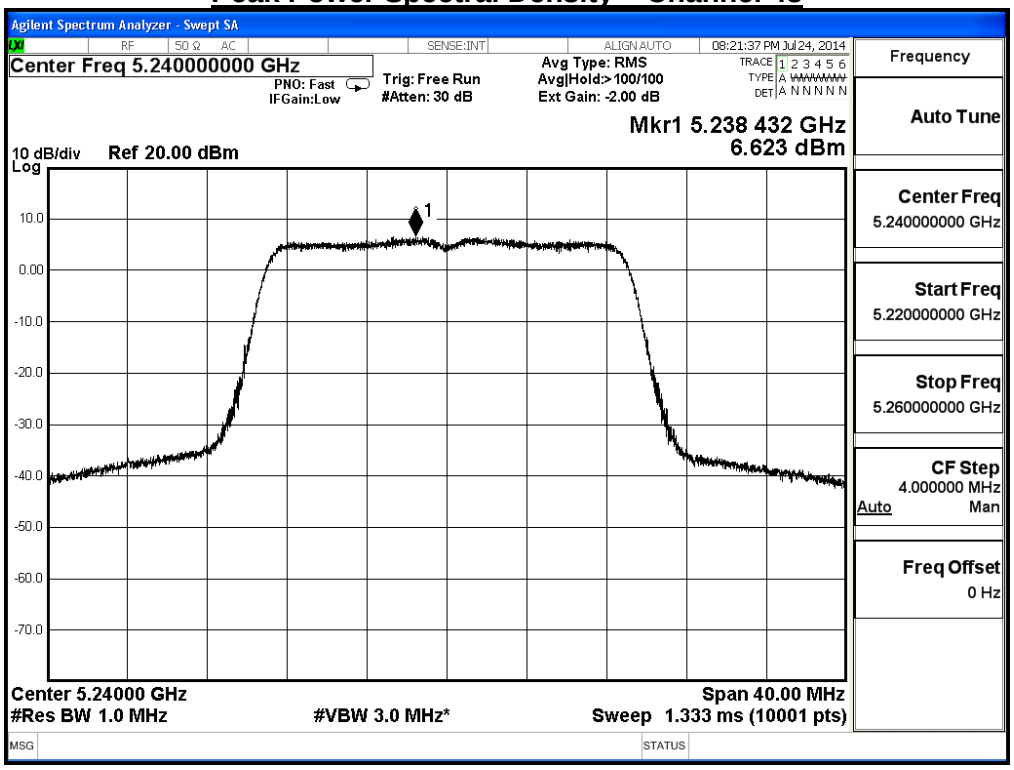
Peak Power Spectral Density – Channel 36



Peak Power Spectral Density – Channel 44



Peak Power Spectral Density – Channel 48

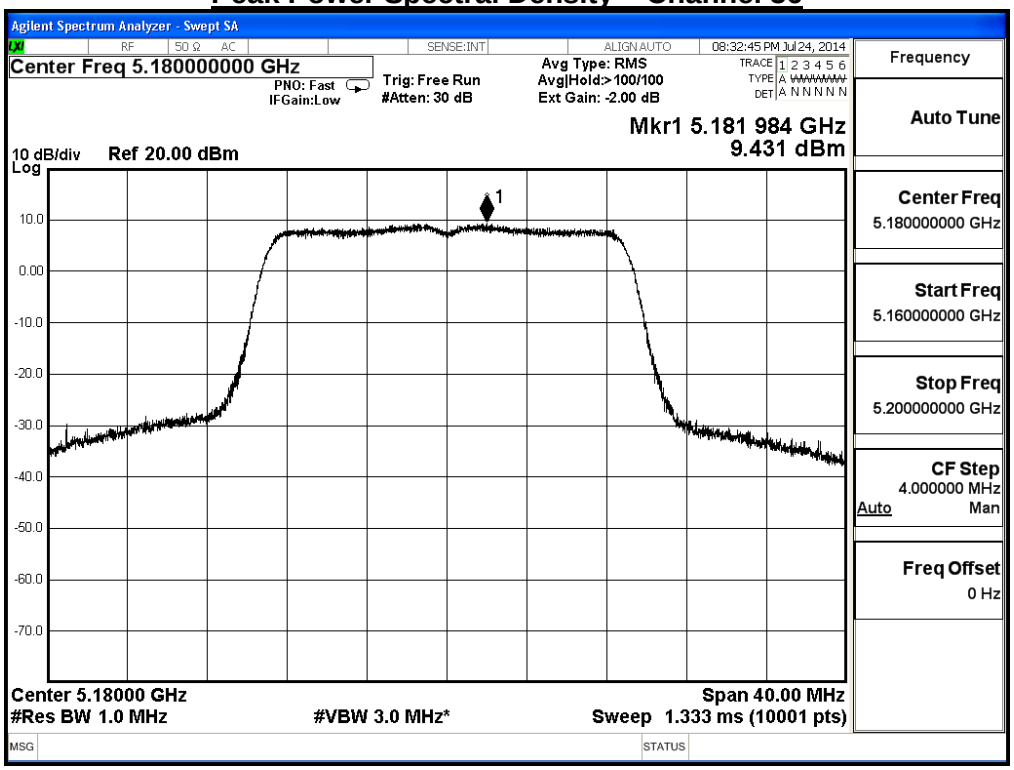


Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

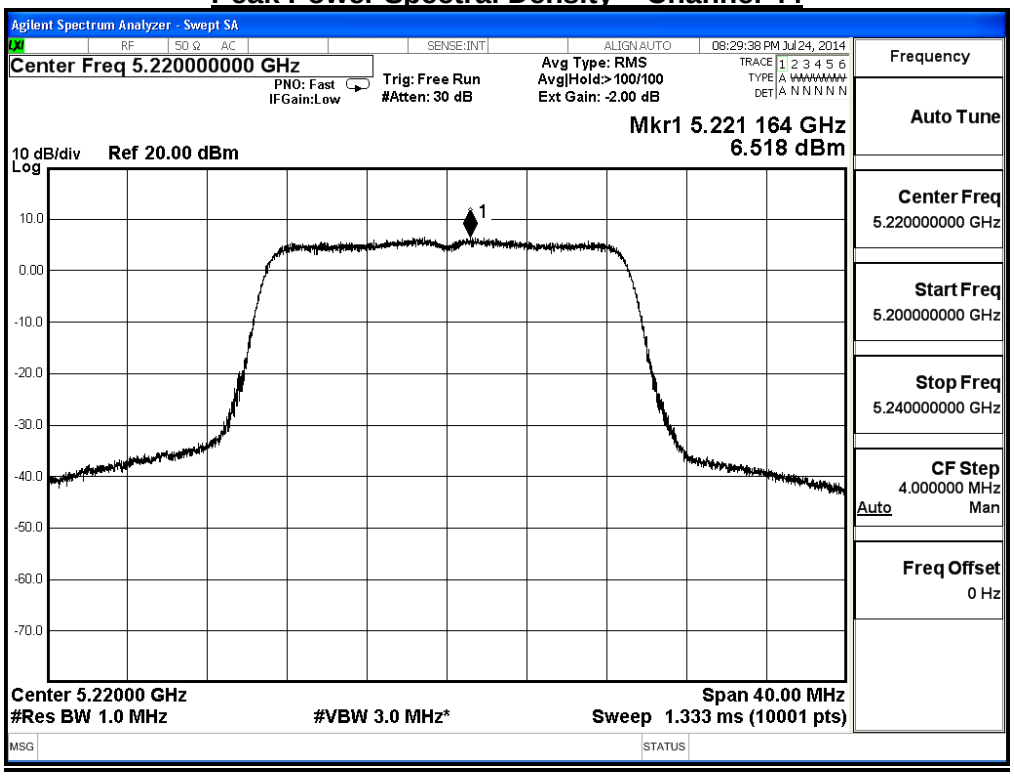
IEEE 802.11n_20M, ANT 1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
36	5180	9.43	≦16.92	Pass
44	5220	6.52	≦16.92	Pass
48	5240	6.44	≦16.92	Pass

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 17dBm - (6.08dBi-6dB)=16.92 dBm

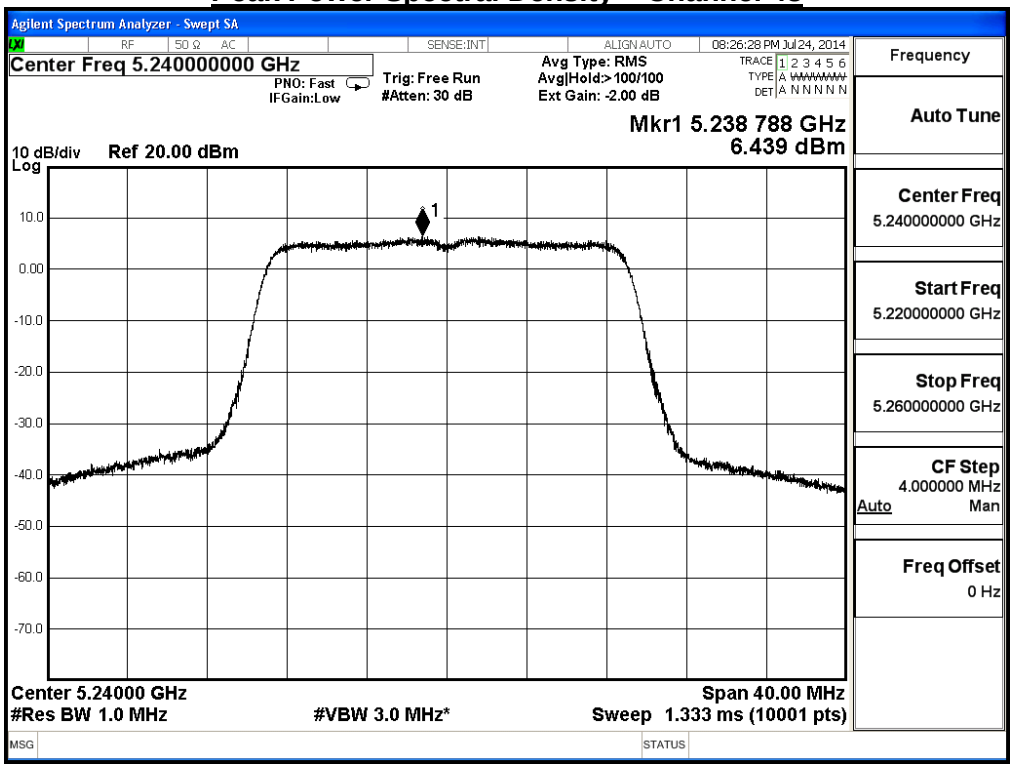
Peak Power Spectral Density – Channel 36



Peak Power Spectral Density – Channel 44



Peak Power Spectral Density – Channel 48



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

IEEE 802.11n_20M, ANT 0+1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
36	5180	12.36	≦16.92	Pass
44	5220	9.49	≦16.92	Pass
48	5240	9.54	≦16.92	Pass

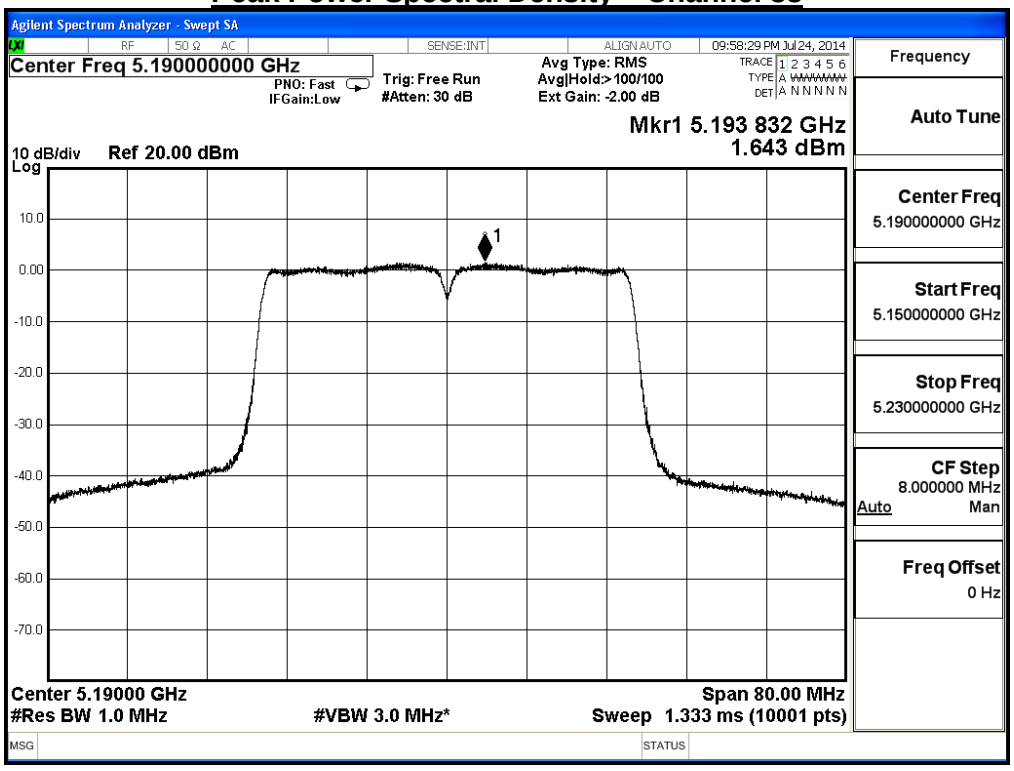
Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 17dBm - (6.08dBi-6dB)=16.92 dBm

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

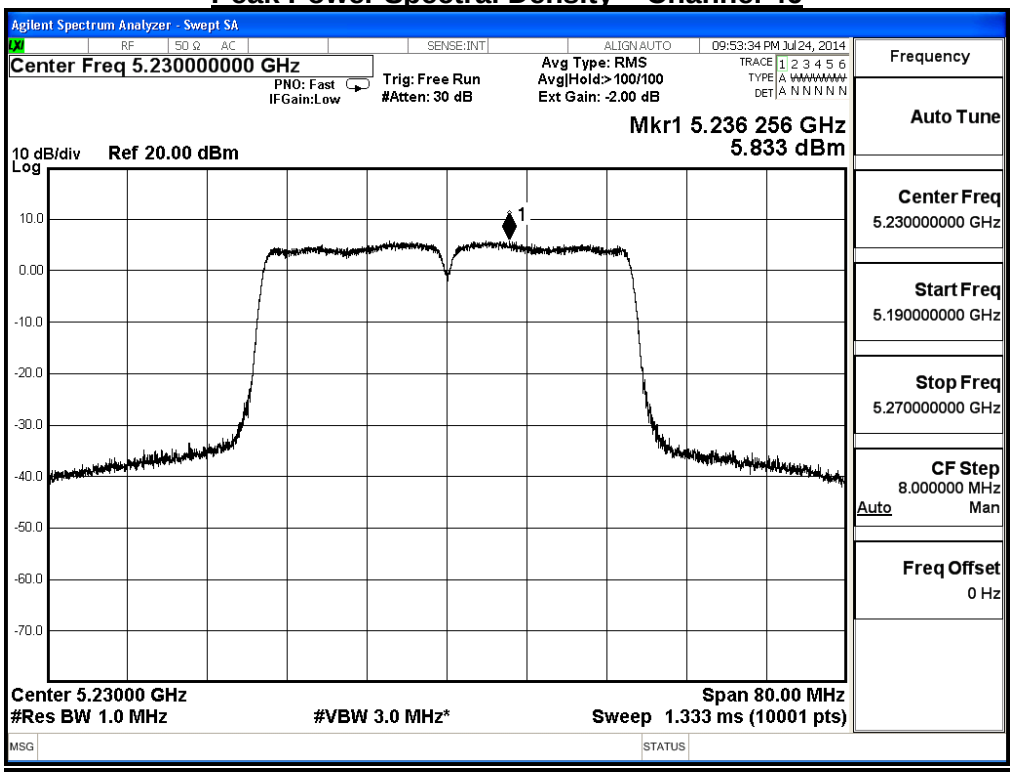
IEEE 802.11n_40M, ANT 0				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
38	5190	1.64	≦16.92	Pass
46	5230	5.83	≦16.92	Pass

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 17dBm - (6.08dBi-6dB)=16.92 dBm

Peak Power Spectral Density – Channel 38



Peak Power Spectral Density – Channel 46

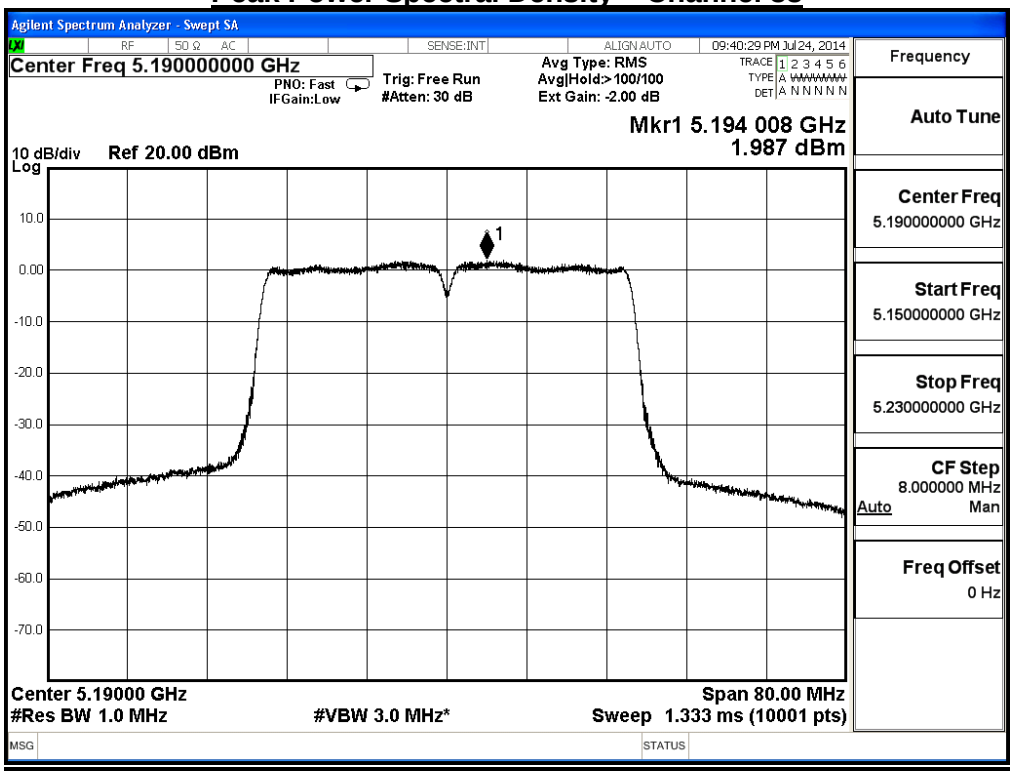


Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

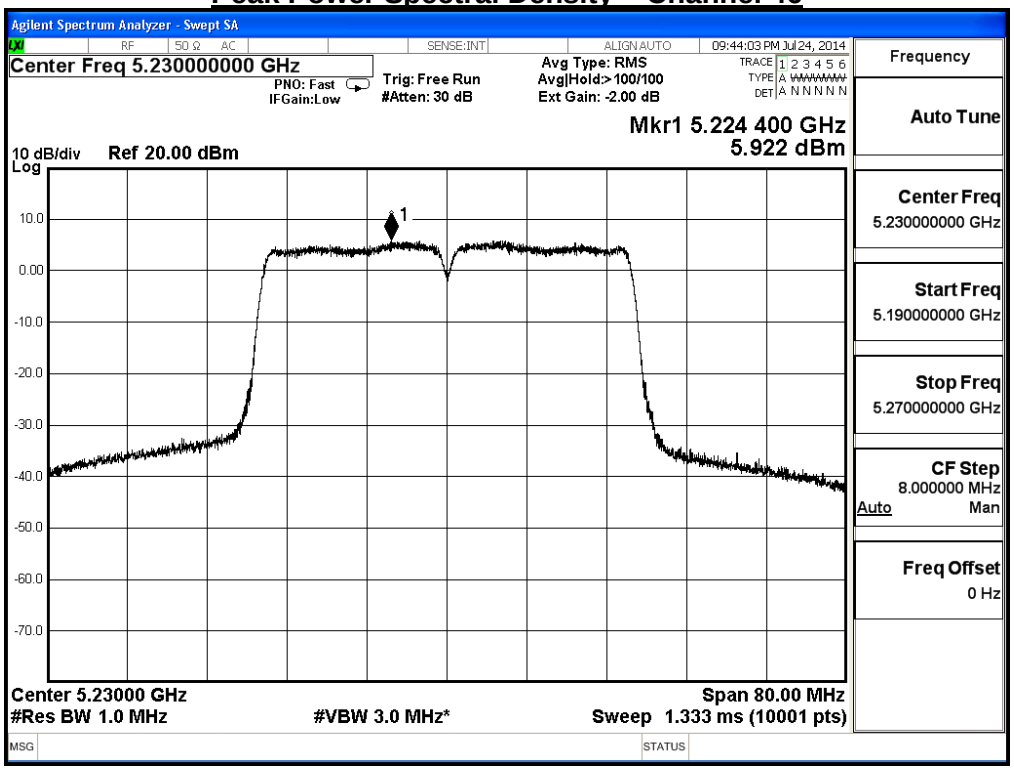
IEEE 802.11n_40M, ANT 1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
38	5190	1.99	≦16.92	Pass
46	5230	5.92	≦16.92	Pass

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 17dBm - (6.08dBi-6dB)=16.92 dBm

Peak Power Spectral Density – Channel 38



Peak Power Spectral Density – Channel 46



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

IEEE 802.11n_40M, ANT 0+1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
38	5190	4.83	≦16.92	Pass
46	5230	8.89	≦16.92	Pass

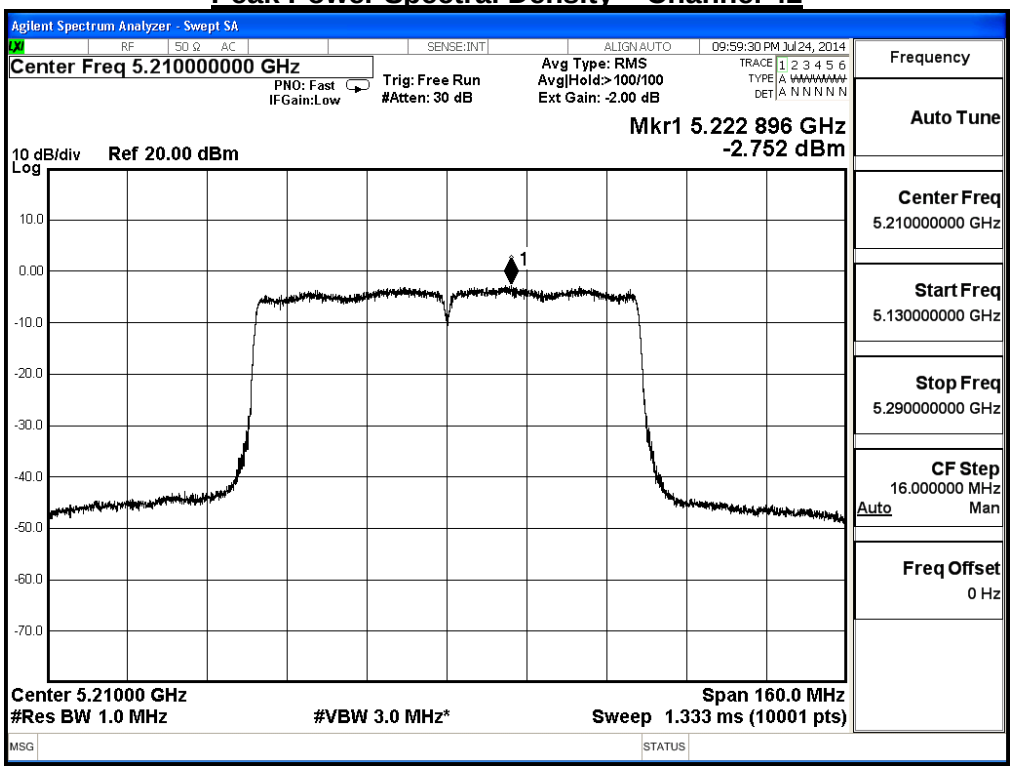
Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 17dBm - (6.08dBi-6dB)=16.92 dBm

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

IEEE 802.11ac_80M, ANT 0				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
42	5210	-2.75	≦16.92	Pass

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 17dBm - (6.08dBi-6dB)=16.92 dBm

Peak Power Spectral Density – Channel 42

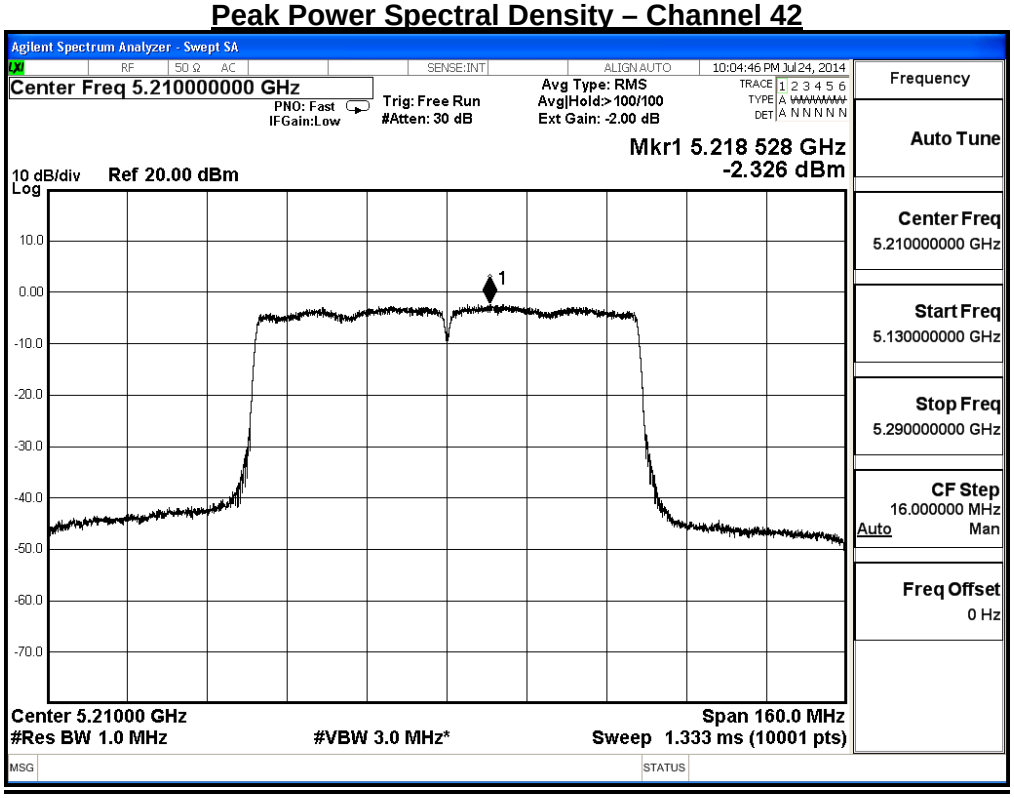


Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

IEEE 802.11ac_80M, ANT 1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
42	5210	-2.31	≦16.92	Pass

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 17dBm - (6.08dBi-6dB)=16.92 dBm

Peak Power Spectral Density – Channel 42



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

IEEE 802.11ac_80M, ANT 0+1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
42	5210	0.48	≦16.92	Pass

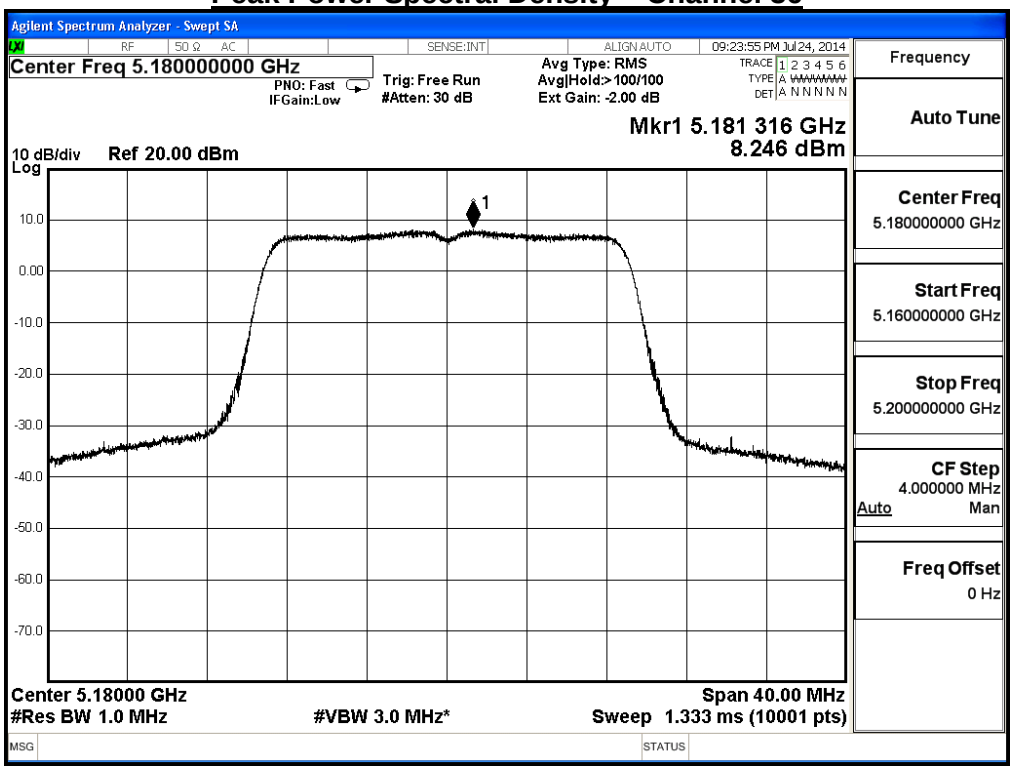
Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 17dBm - (6.08dBi-6dB)=16.92 dBm

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode2: Transmit (Beamforming)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

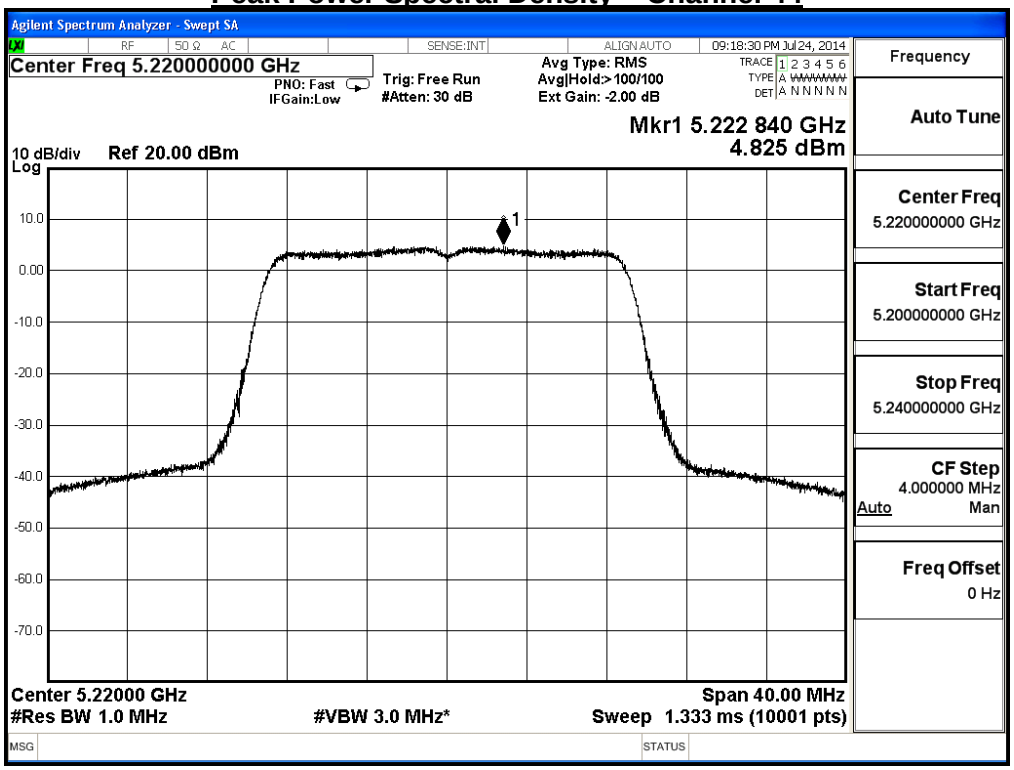
IEEE 802.11n_20M, ANT 0				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
36	5180	8.25	≦16.92	Pass
44	5220	4.83	≦16.92	Pass
48	5240	4.99	≦16.92	Pass

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 17dBm - (6.08dBi-6dB)=16.92 dBm

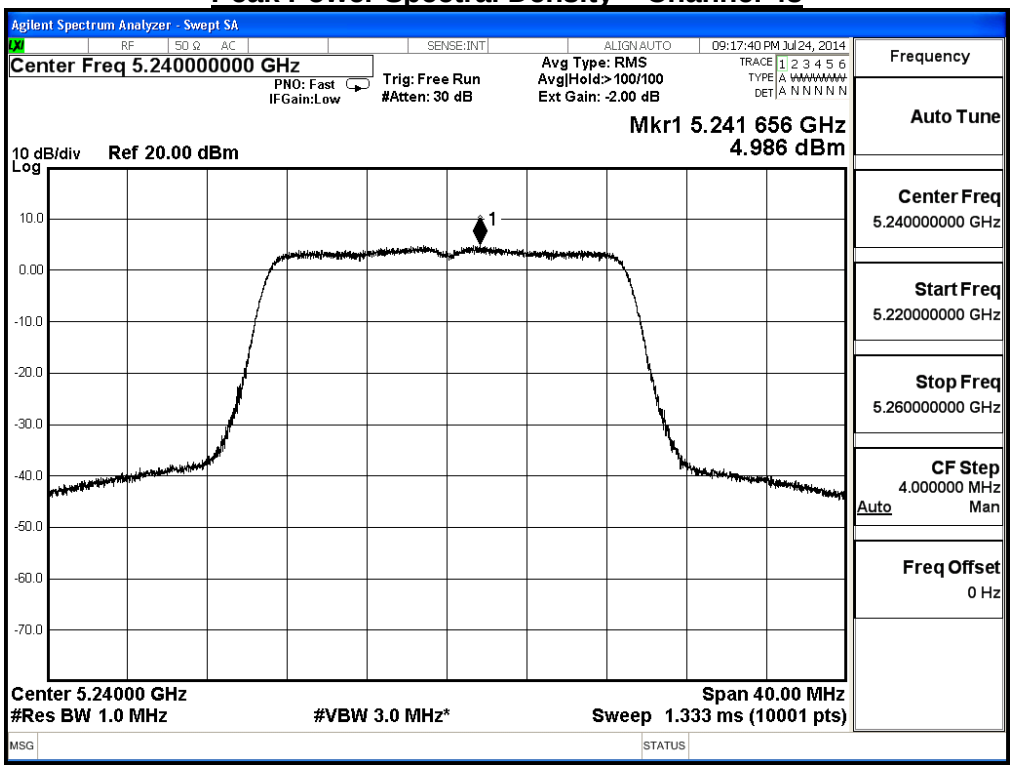
Peak Power Spectral Density – Channel 36



Peak Power Spectral Density – Channel 44



Peak Power Spectral Density – Channel 48

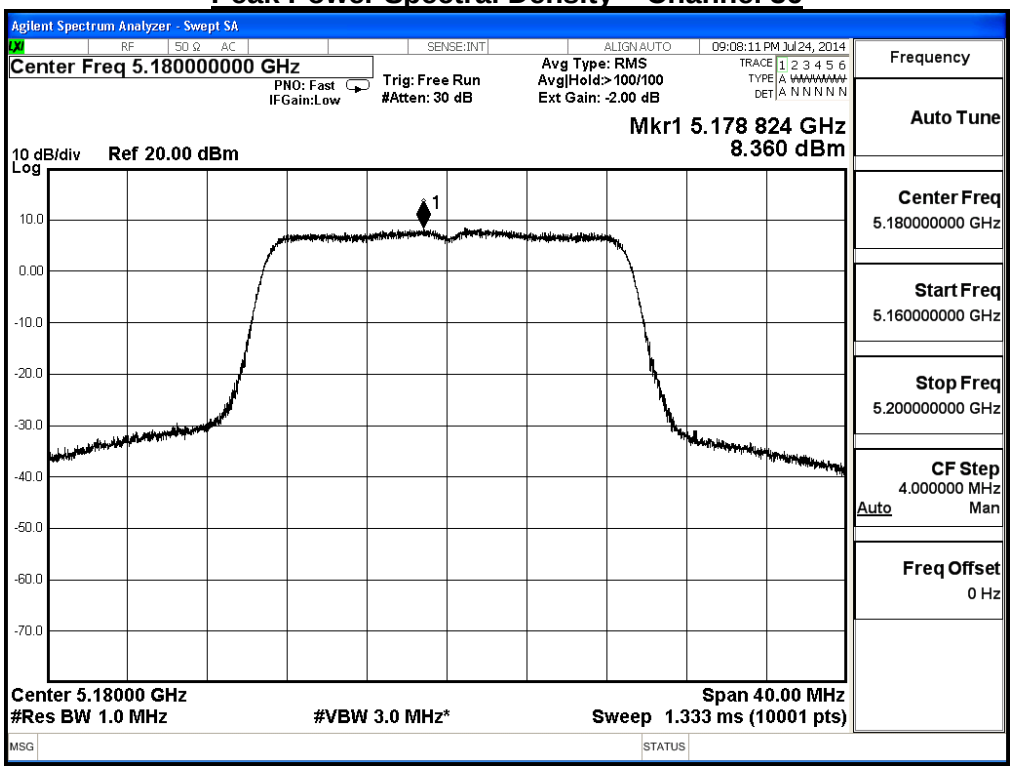


Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode2: Transmit (Beamforming)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

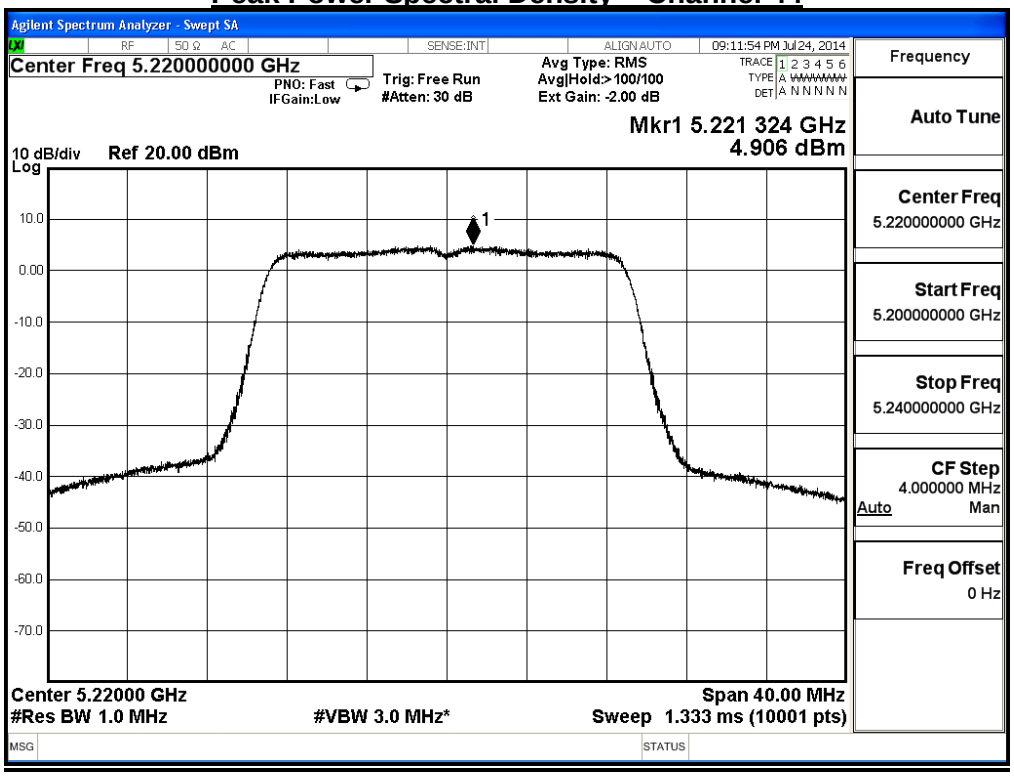
IEEE 802.11n_20M, ANT 1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
36	5180	8.36	≦16.92	Pass
44	5220	4.91	≦16.92	Pass
48	5240	4.88	≦16.92	Pass

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 17dBm - (6.08dBi-6dB)=16.92 dBm

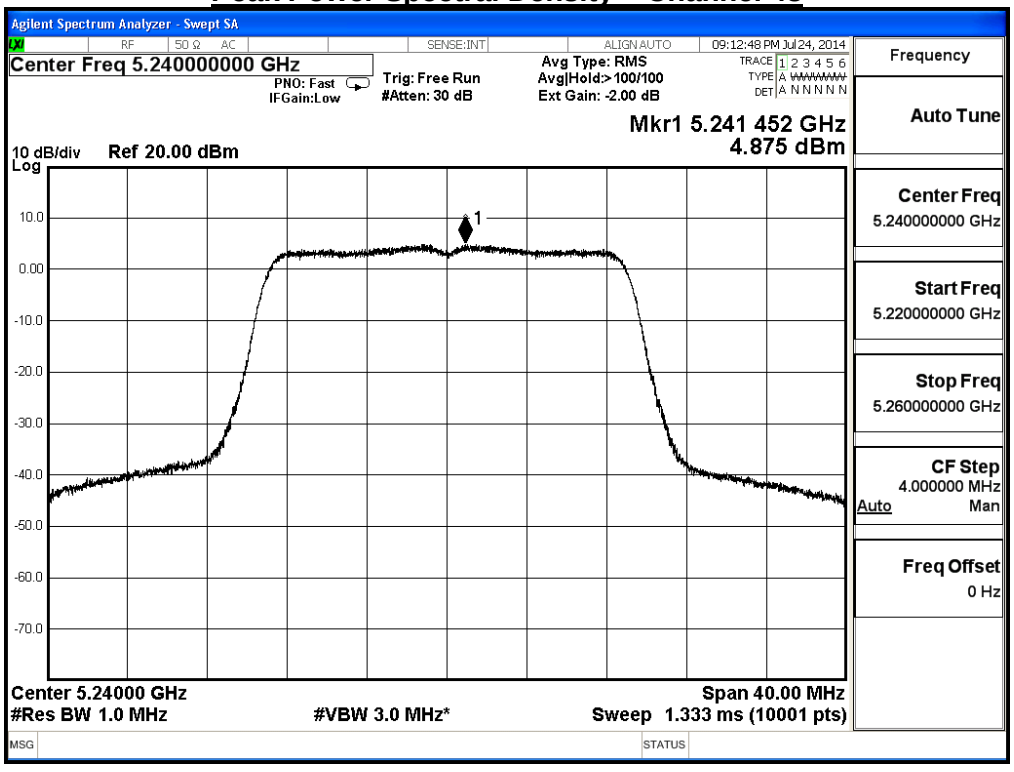
Peak Power Spectral Density – Channel 36



Peak Power Spectral Density – Channel 44



Peak Power Spectral Density – Channel 48



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode2: Transmit (Beamforming)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

IEEE 802.11n_20M, ANT 0+1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
36	5180	11.31	≦16.92	Pass
44	5220	7.88	≦16.92	Pass
48	5240	7.94	≦16.92	Pass

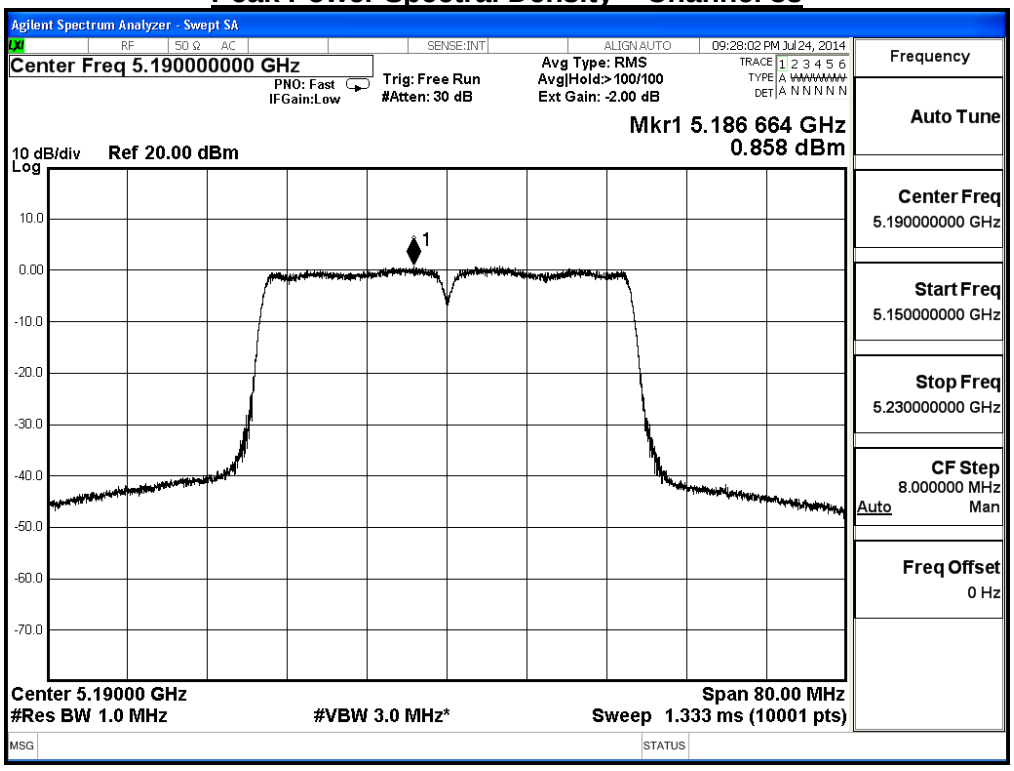
Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 17dBm - (6.08dBi-6dB)=16.92 dBm

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode2: Transmit (Beamforming)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

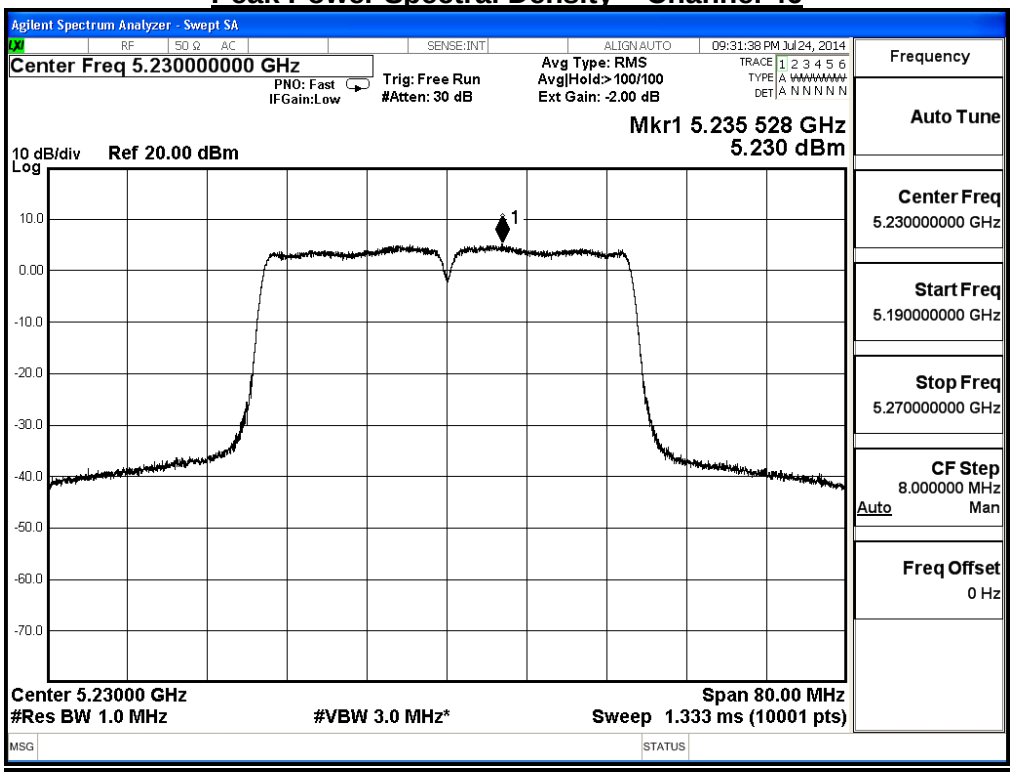
IEEE 802.11n_40M, ANT 0				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
38	5190	0.86	≦16.92	Pass
46	5230	5.23	≦16.92	Pass

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 17dBm - (6.08dBi-6dB)=16.92 dBm

Peak Power Spectral Density – Channel 38



Peak Power Spectral Density – Channel 46

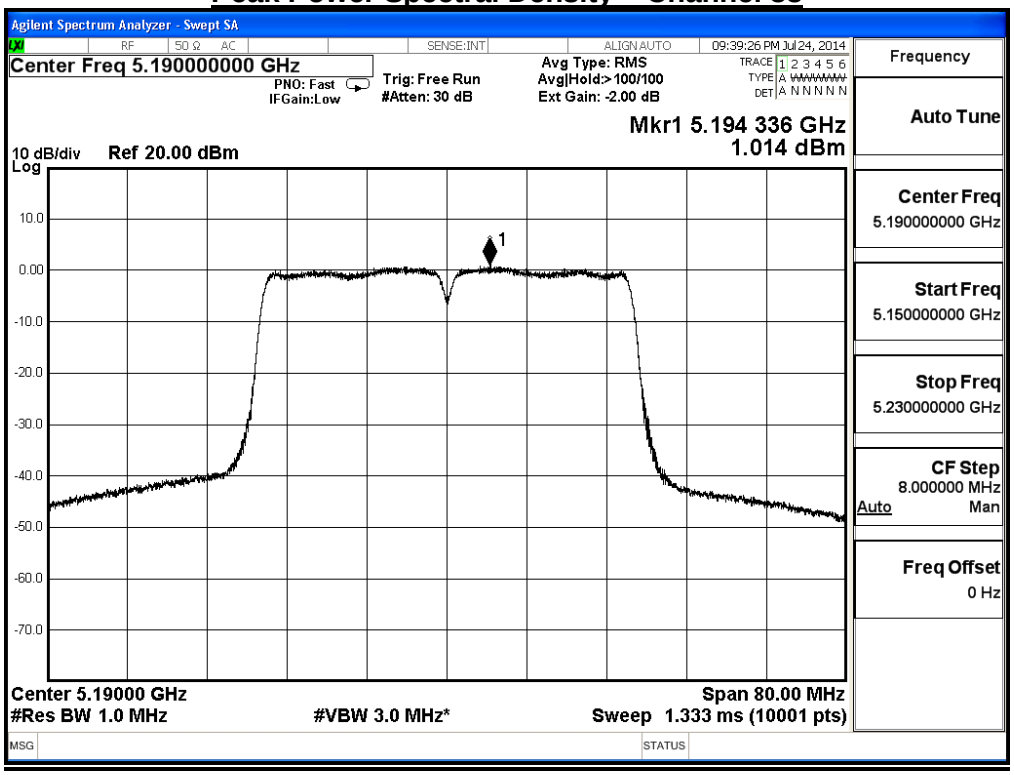


Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode2: Transmit (Beamforming)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

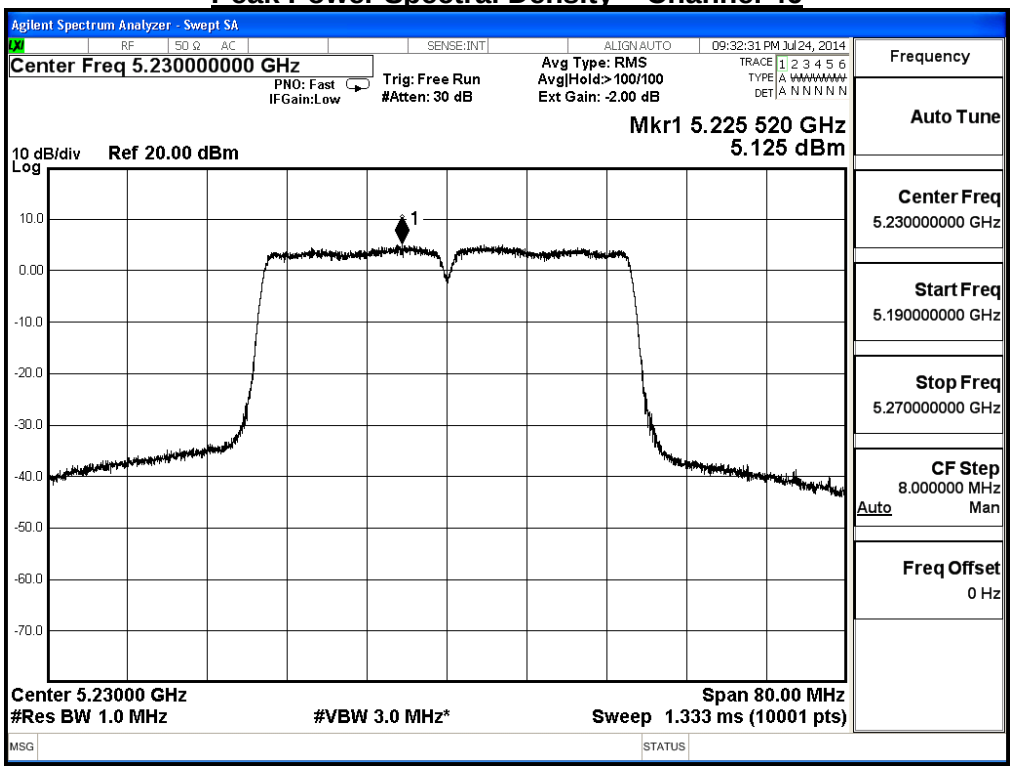
IEEE 802.11n_40M, ANT 1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
38	5190	1.01	≦16.92	Pass
46	5230	5.13	≦16.92	Pass

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 17dBm - (6.08dBi-6dB)=16.92 dBm

Peak Power Spectral Density – Channel 38



Peak Power Spectral Density – Channel 46



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode2: Transmit (Beamforming)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

IEEE 802.11n_40M, ANT 0+1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
38	5190	3.95	≦16.92	Pass
46	5230	8.19	≦16.92	Pass

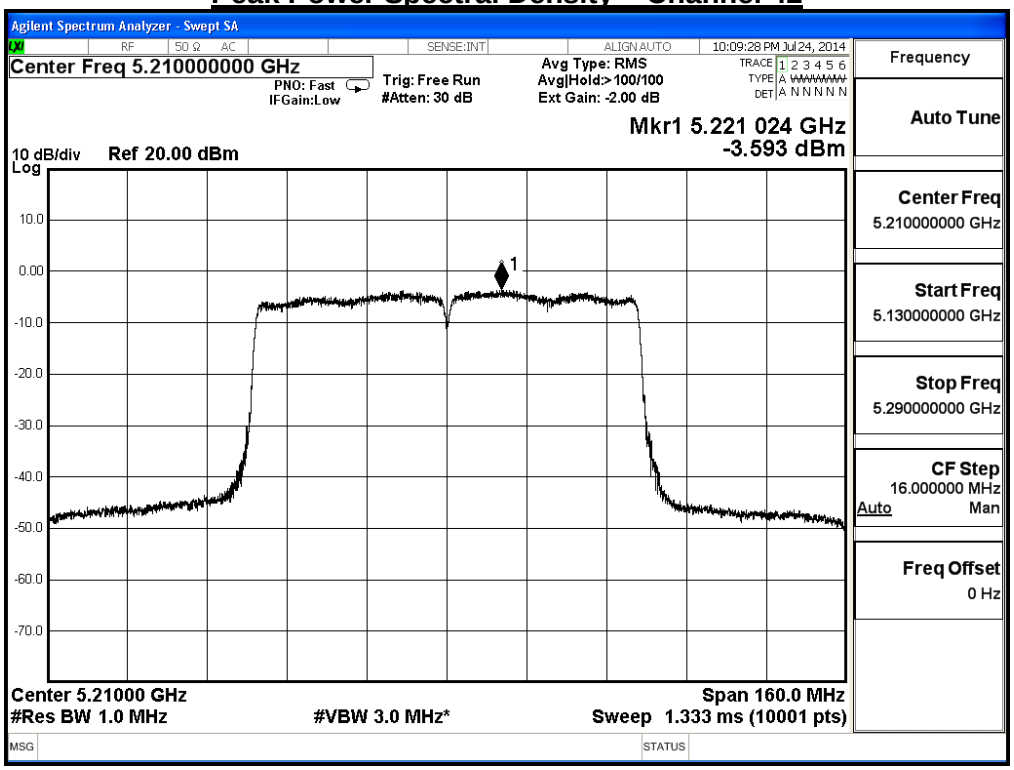
Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 17dBm - (6.08dBi-6dB)=16.92 dBm

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode2: Transmit (Beamforming)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

IEEE 802.11ac_80M, ANT 0				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
42	5210	-3.59	≦16.92	Pass

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 17dBm - (6.08dBi-6dB)=16.92 dBm

Peak Power Spectral Density – Channel 42

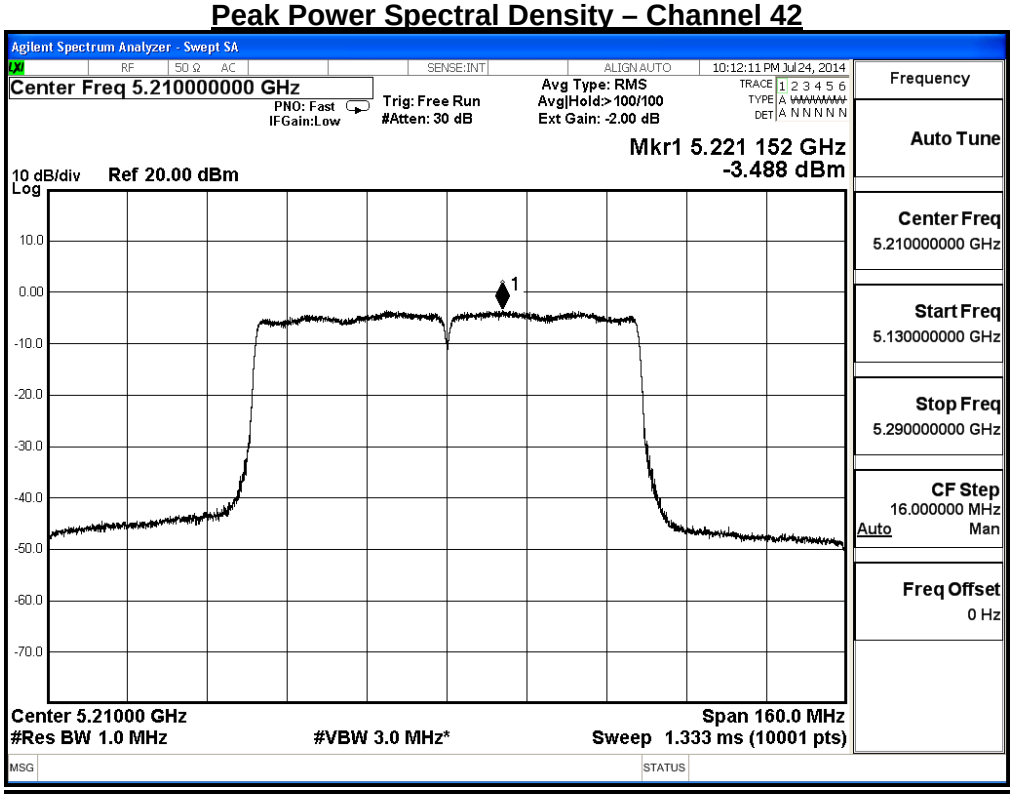


Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode2: Transmit (Beamforming)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

IEEE 802.11ac_80M, ANT 1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
42	5210	-3.49	≦16.92	Pass

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 17dBm - (6.08dBi-6dB)=16.92 dBm

Peak Power Spectral Density – Channel 42



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode2: Transmit (Beamforming)_Bridge Mode		
Date of Test	2014/07/24	Test Site	SR7

IEEE 802.11ac_80M, ANT 0+1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
42	5210	-0.53	≦16.92	Pass

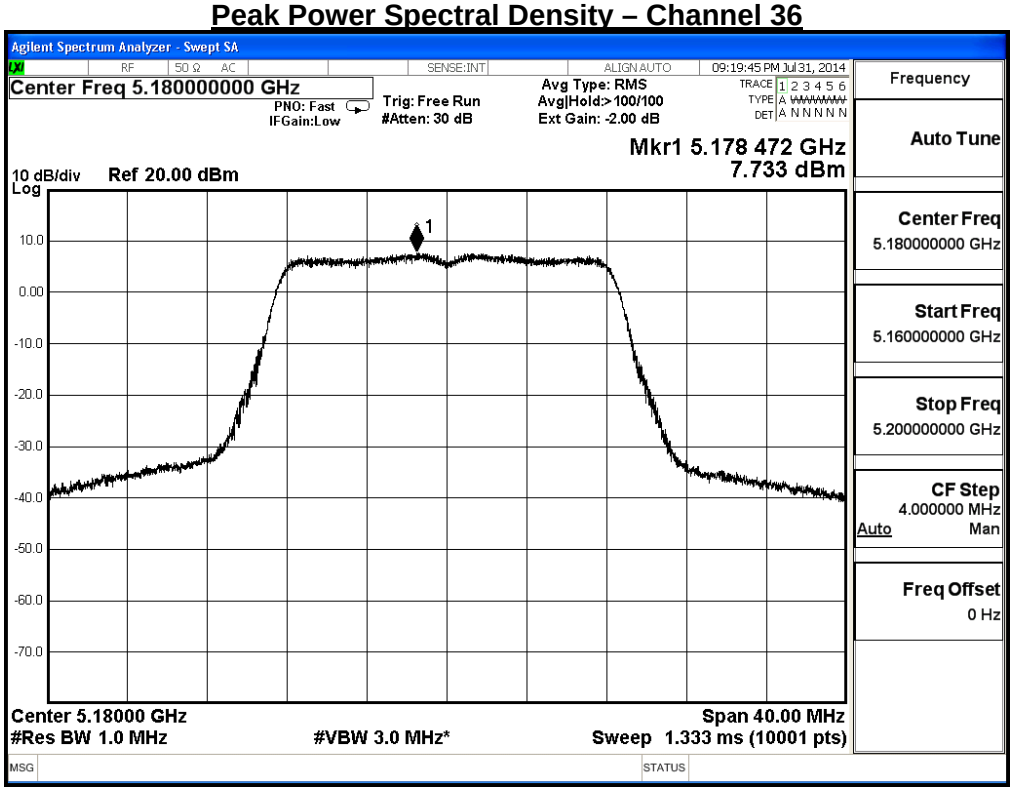
Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 17dBm - (6.08dBi-6dB)=16.92 dBm

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode3: Transmit (CDD)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

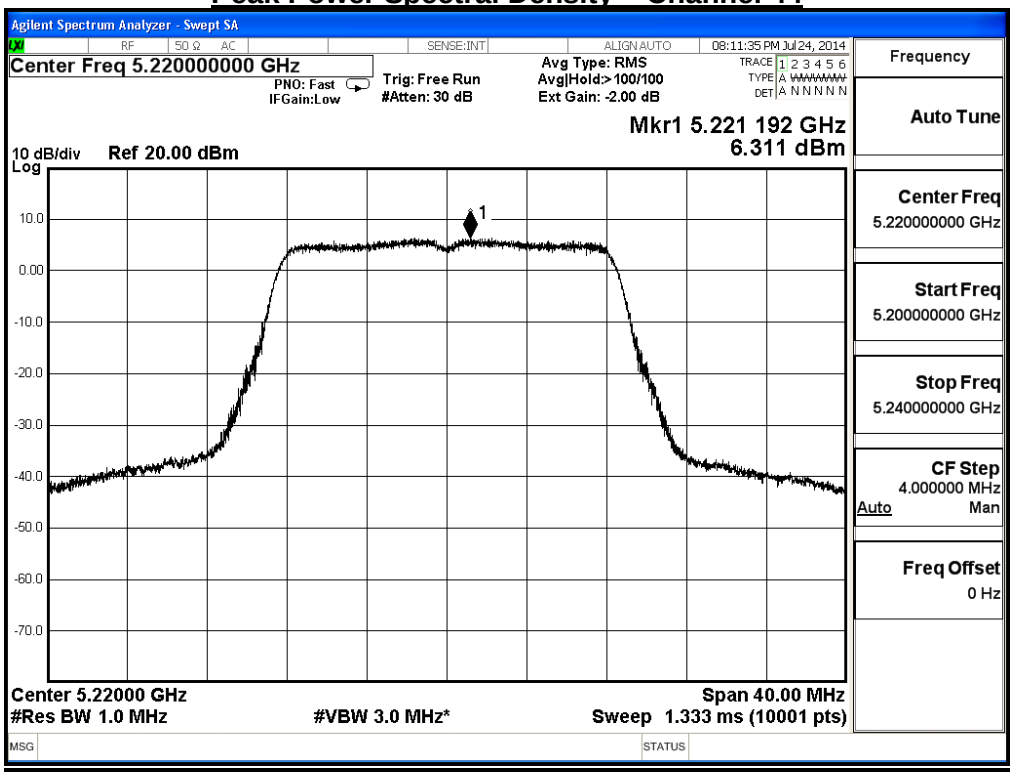
IEEE 802.11a, ANT 0				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
36	5180	7.73	≦10.92	Pass
44	5220	6.31	≦10.92	Pass
48	5240	6.55	≦10.92	Pass

Note:
Directional Antenna Gain = Beamforming Gain + Max Gain = 6.07dBi
Required Limit = 11dBm - (6.08dBi-6dB)=10.92 dBm

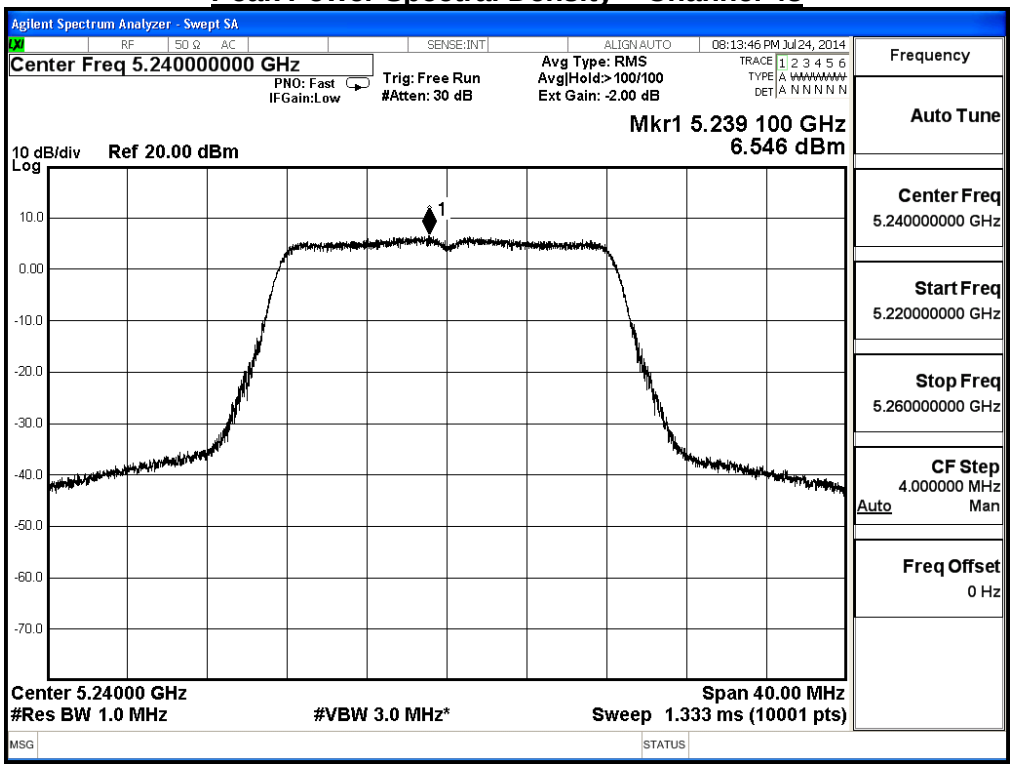
Peak Power Spectral Density – Channel 36



Peak Power Spectral Density – Channel 44



Peak Power Spectral Density – Channel 48

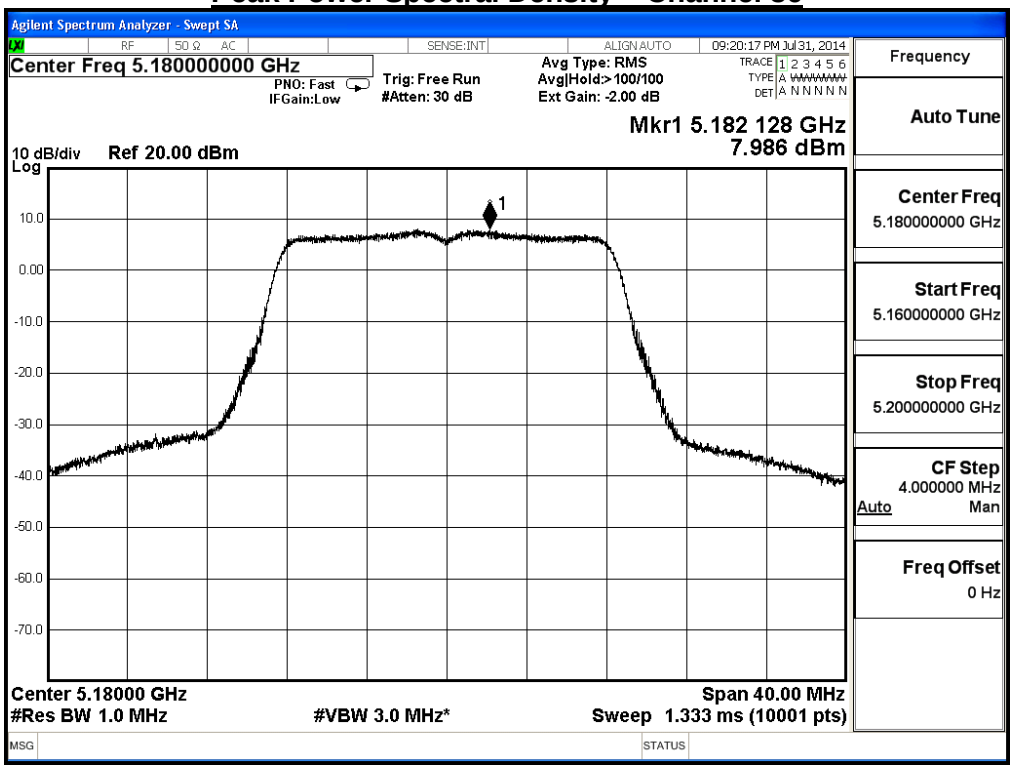


Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode3: Transmit (CDD)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

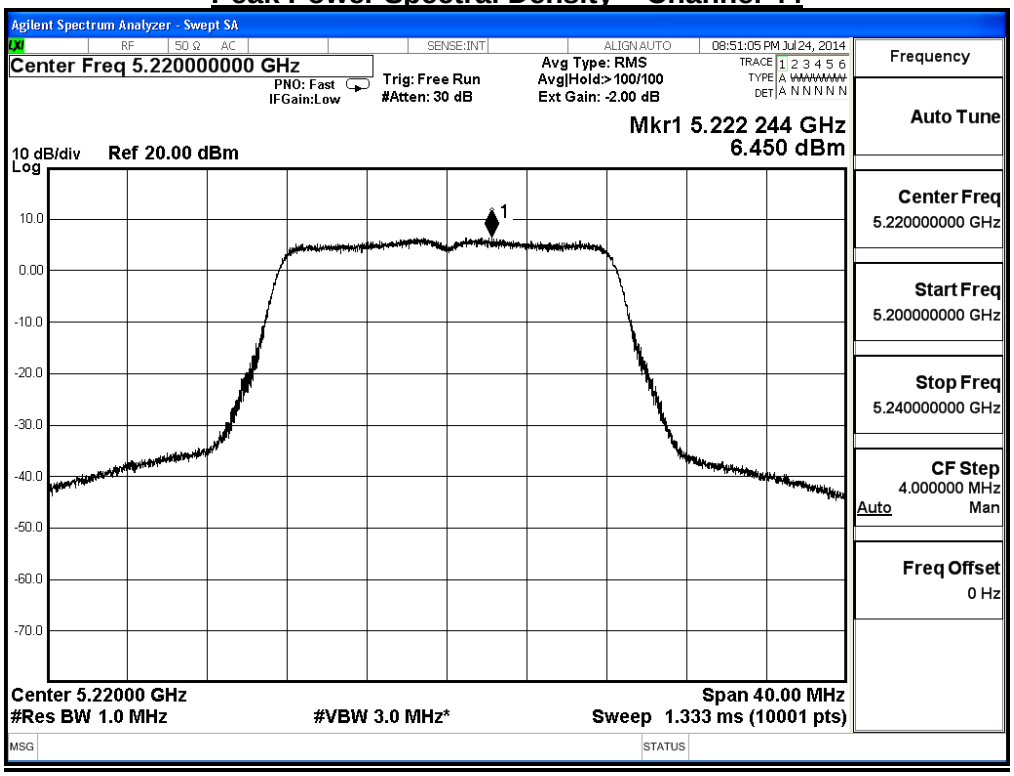
IEEE 802.11a, ANT 1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
36	5180	7.99	≦10.92	Pass
44	5220	6.45	≦10.92	Pass
48	5240	6.55	≦10.92	Pass

Note:
Directional Antenna Gain = Beamforming Gain + Max Gain = 6.07dBi
Required Limit = 11dBm - (6.08dBi-6dB)=10.92 dBm

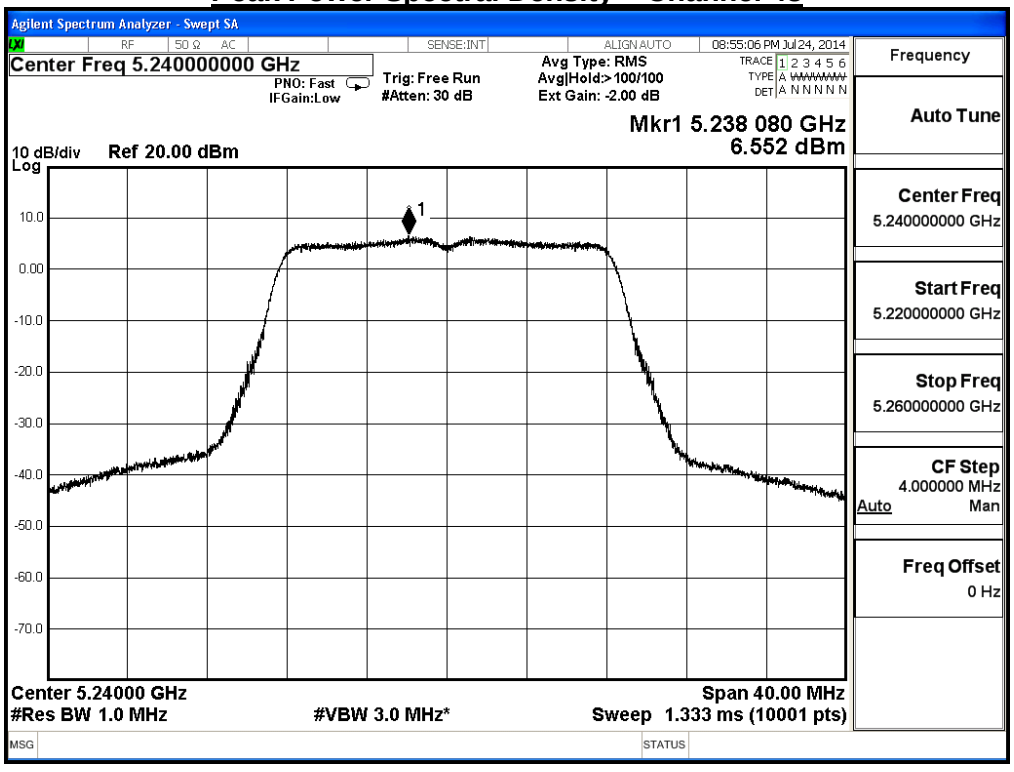
Peak Power Spectral Density – Channel 36



Peak Power Spectral Density – Channel 44



Peak Power Spectral Density – Channel 48



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode3: Transmit (CDD)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

IEEE 802.11a, ANT 0+1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
36	5180	10.87	≦10.92	Pass
44	5220	9.39	≦10.92	Pass
48	5240	9.56	≦10.92	Pass

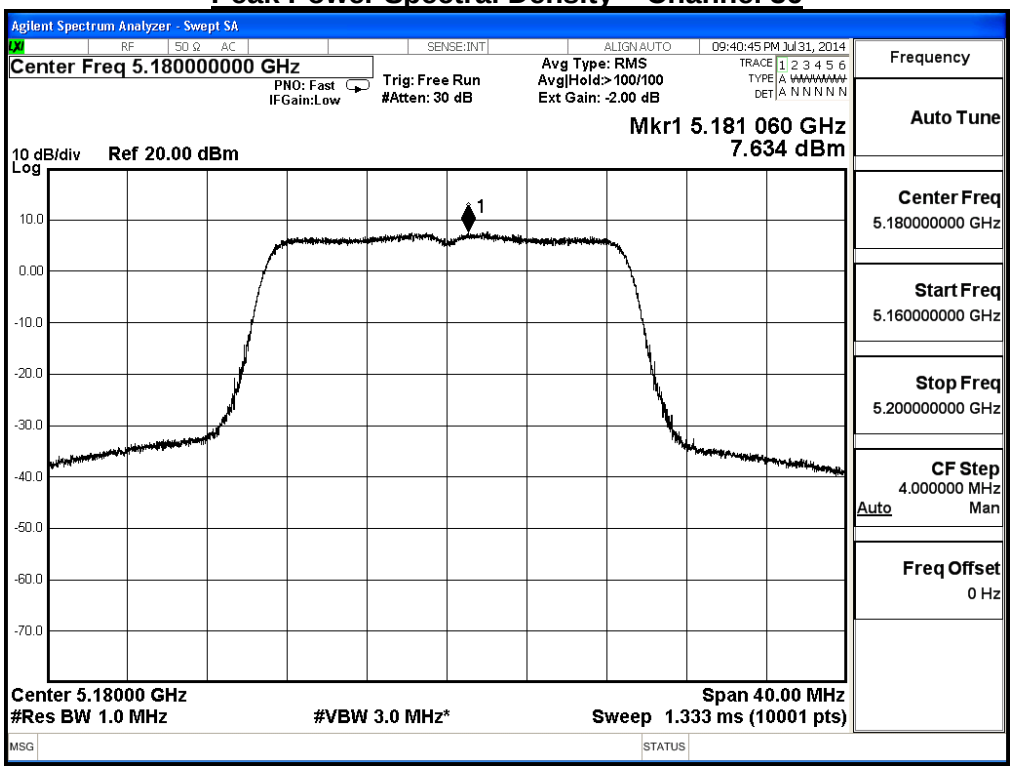
Note:
Directional Antenna Gain = Beamforming Gain + Max Gain = 6.07dBi
Required Limit = 11dBm - (6.08dBi-6dB)=10.92 dBm

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode3: Transmit (CDD)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

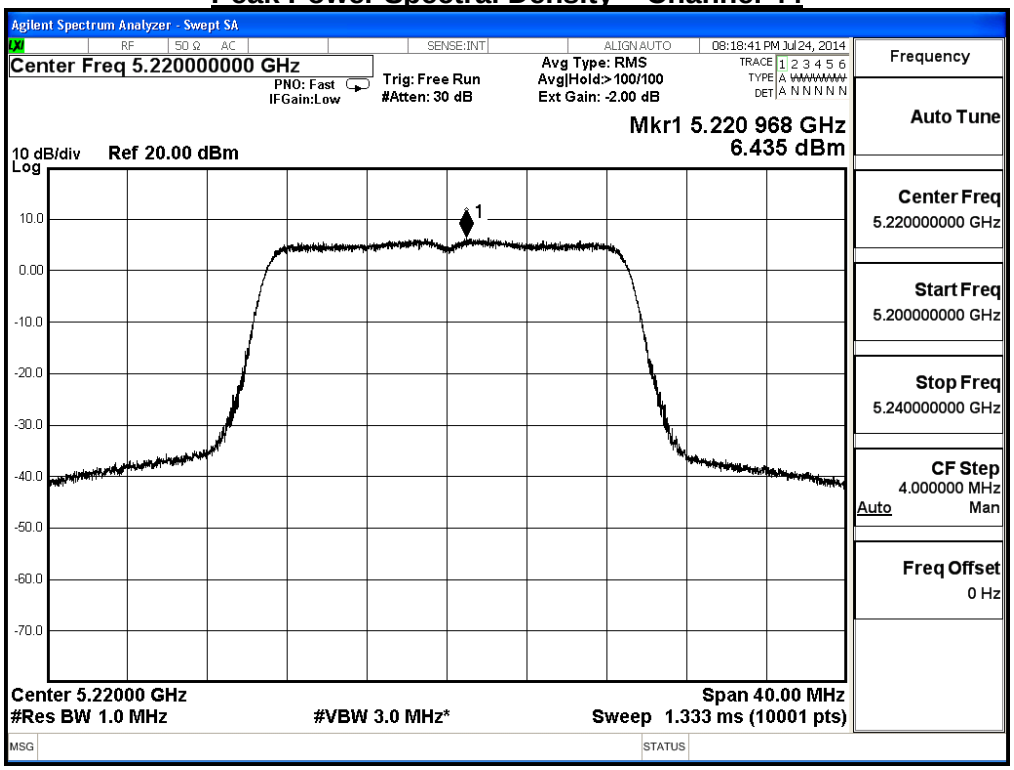
IEEE 802.11n_20M, ANT 0				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
36	5180	7.63	≦10.92	Pass
44	5220	6.44	≦10.92	Pass
48	5240	6.62	≦10.92	Pass

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 11dBm - (6.08dBi-6dB)=10.92 dBm

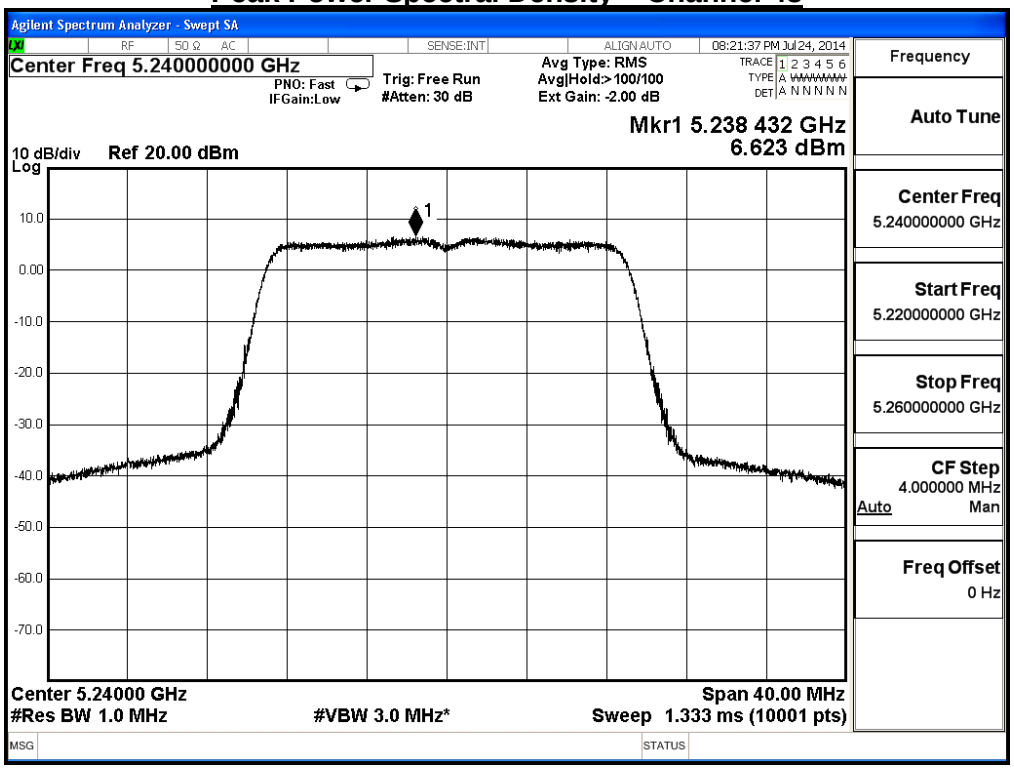
Peak Power Spectral Density – Channel 36



Peak Power Spectral Density – Channel 44



Peak Power Spectral Density – Channel 48

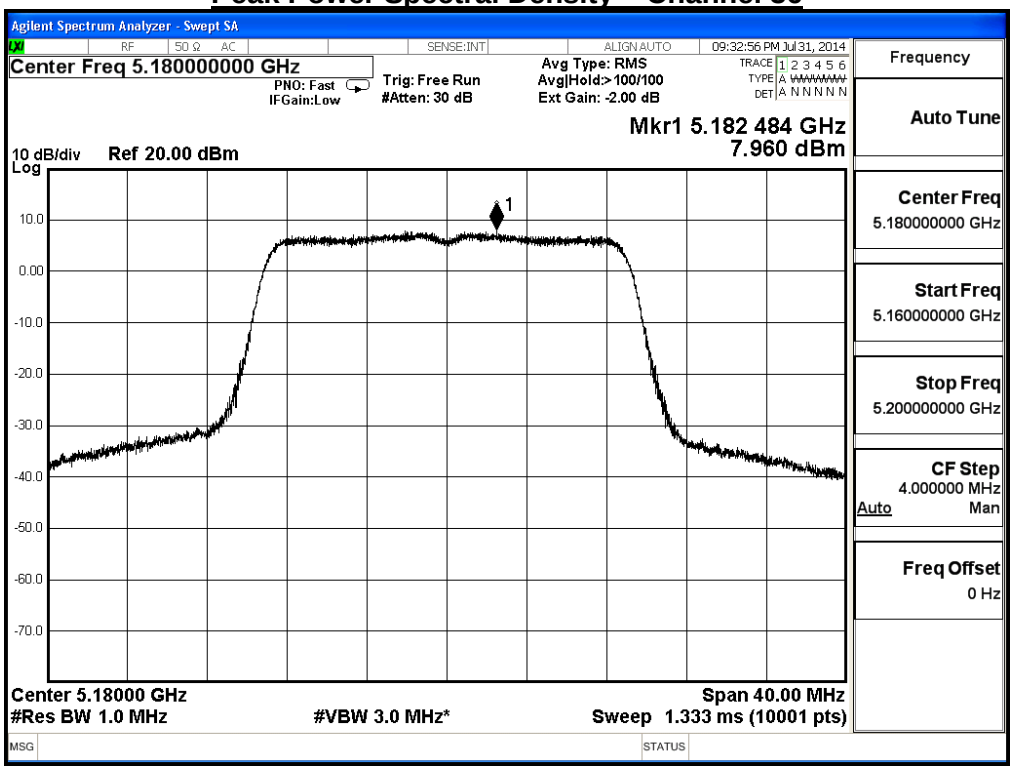


Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode3: Transmit (CDD)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

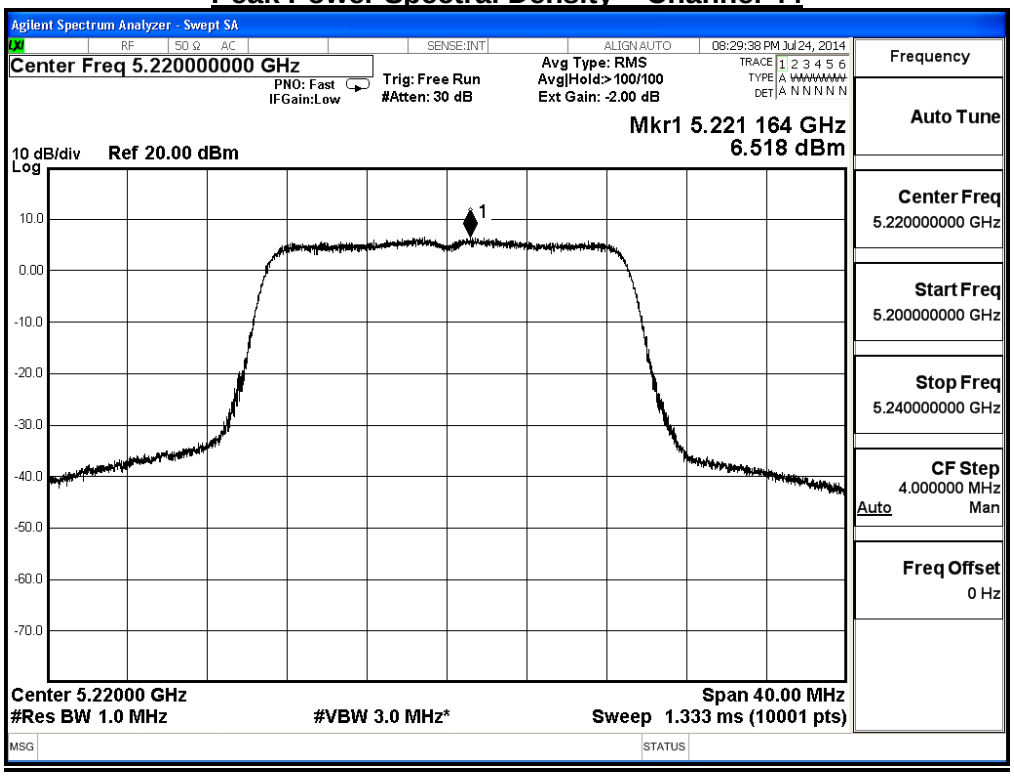
IEEE 802.11n_20M, ANT 1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
36	5180	7.96	≦10.92	Pass
44	5220	6.52	≦10.92	Pass
48	5240	6.44	≦10.92	Pass

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 11dBm - (6.08dBi-6dB)=10.92 dBm

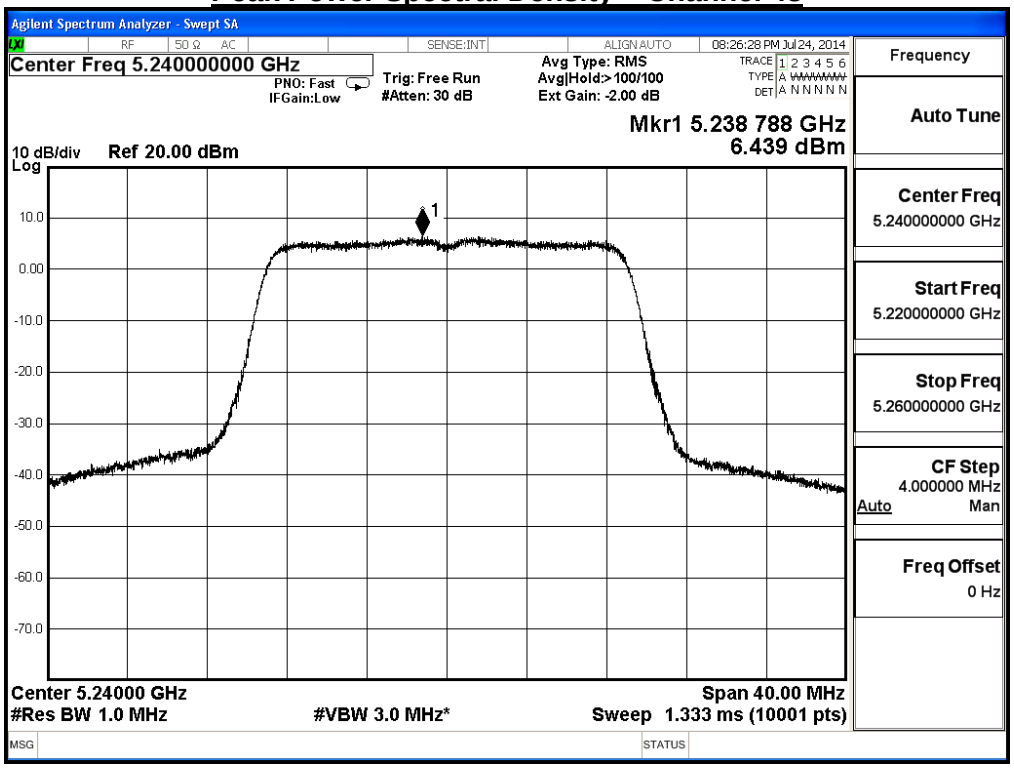
Peak Power Spectral Density – Channel 36



Peak Power Spectral Density – Channel 44



Peak Power Spectral Density – Channel 48



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode3: Transmit (CDD)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

IEEE 802.11n_20M, ANT 0+1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
36	5180	10.81	≦10.92	Pass
44	5220	9.49	≦10.92	Pass
48	5240	9.54	≦10.92	Pass

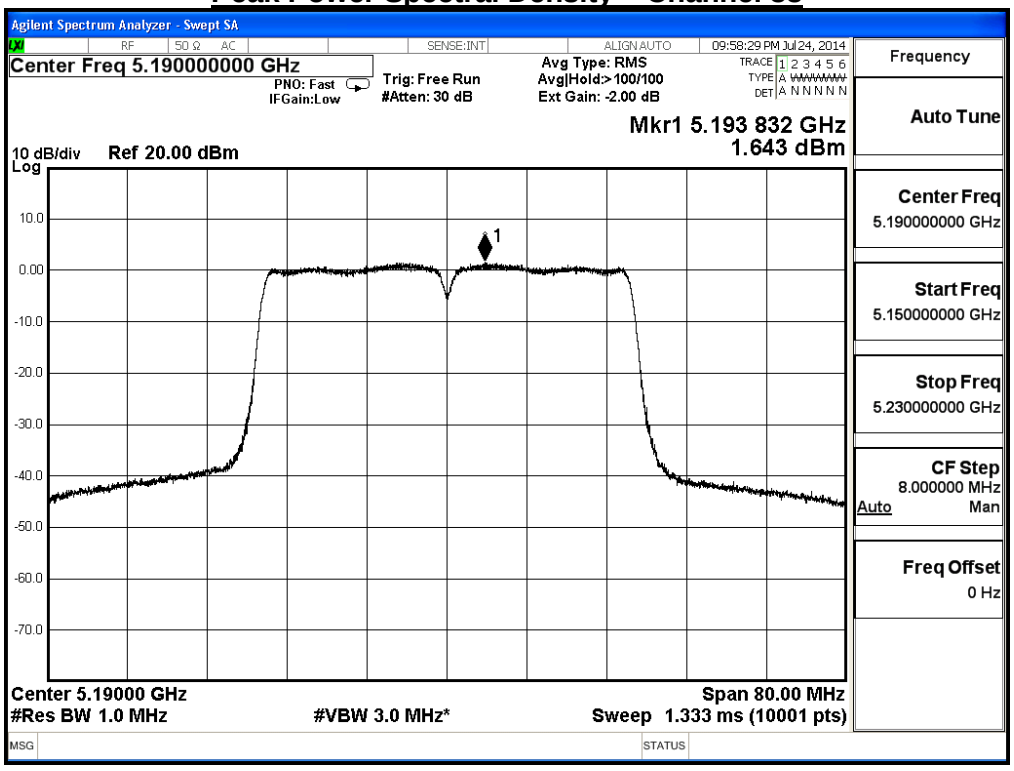
Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 11dBm - (6.08dBi-6dB)=10.92 dBm

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode3: Transmit (CDD)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

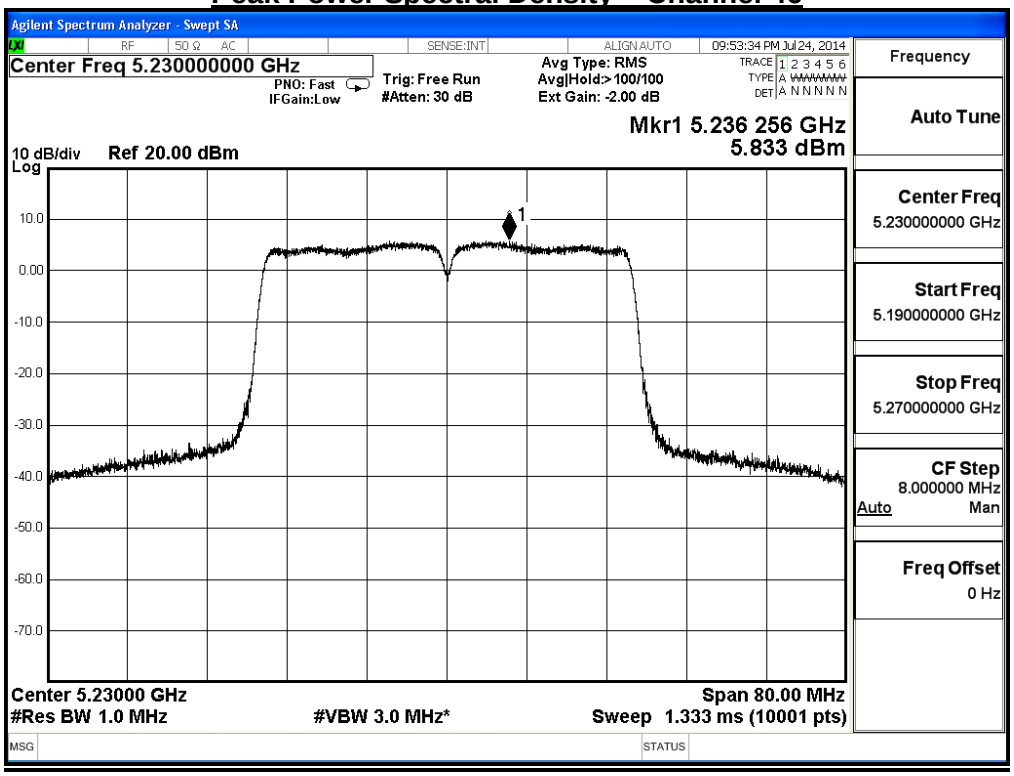
IEEE 802.11n_40M, ANT 0				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
38	5190	1.64	≦10.92	Pass
46	5230	5.83	≦10.92	Pass

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 11dBm - (6.08dBi-6dB)=10.92 dBm

Peak Power Spectral Density – Channel 38



Peak Power Spectral Density – Channel 46

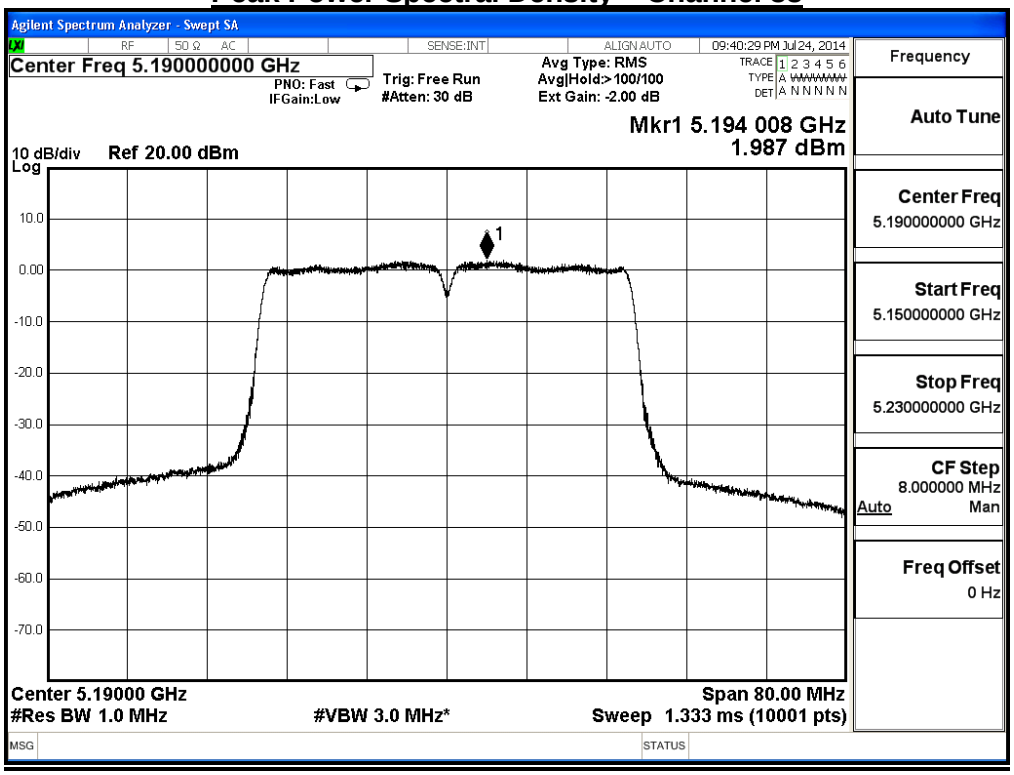


Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode3: Transmit (CDD)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

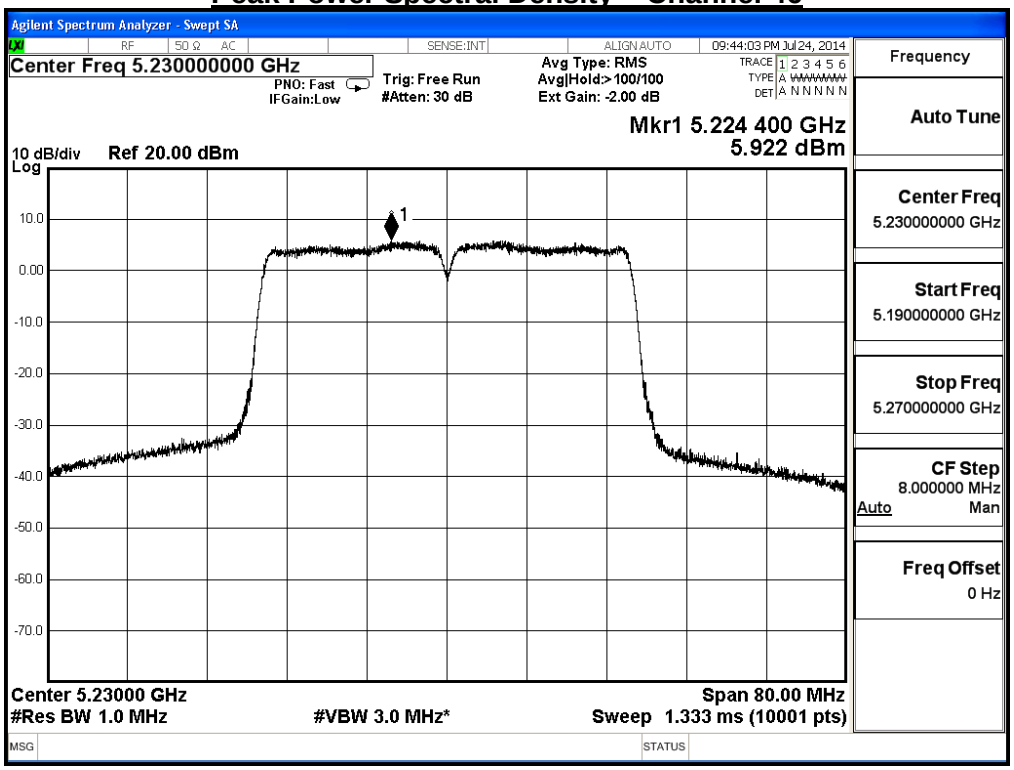
IEEE 802.11n_40M, ANT 1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
38	5190	1.99	≦10.92	Pass
46	5230	5.92	≦10.92	Pass

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 11dBm - (6.08dBi-6dB)=10.92 dBm

Peak Power Spectral Density – Channel 38



Peak Power Spectral Density – Channel 46



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode3: Transmit (CDD)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

IEEE 802.11n_40M, ANT 0+1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
38	5190	4.83	≦10.92	Pass
46	5230	8.89	≦10.92	Pass

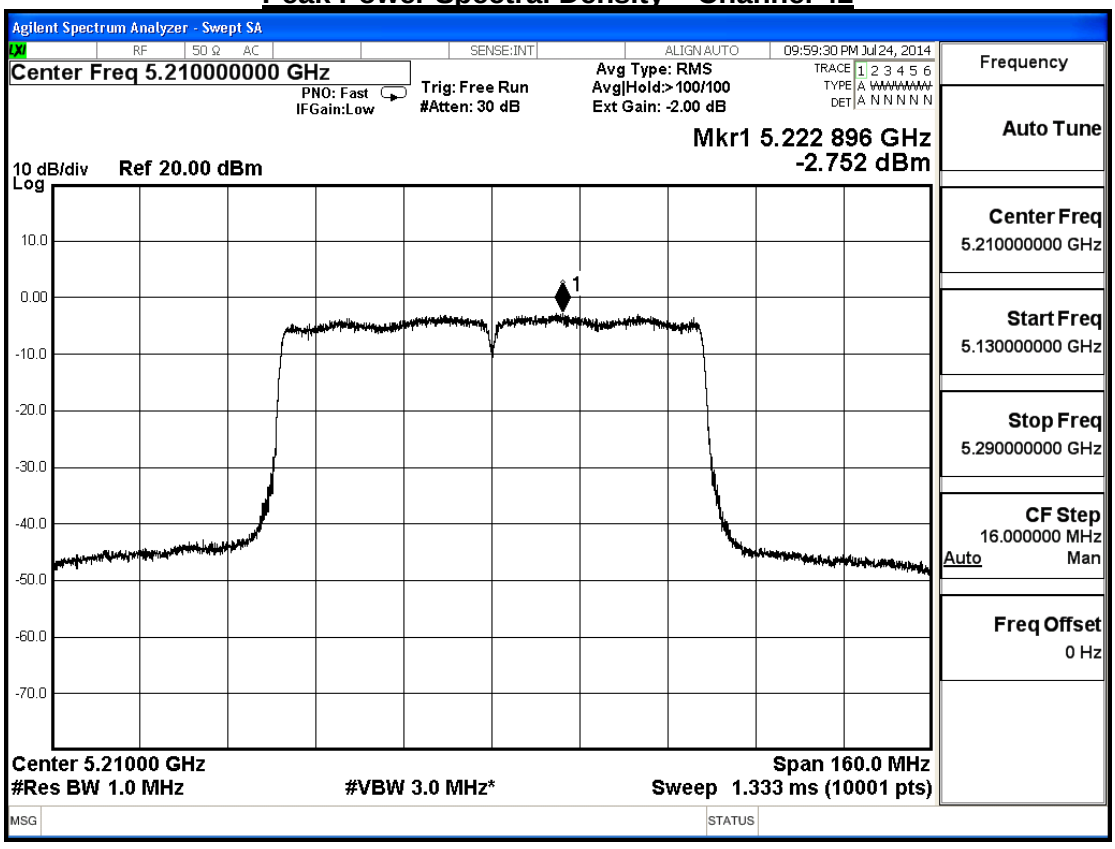
Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 11dBm - (6.08dBi-6dB)=10.92 dBm

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode3: Transmit (CDD)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

IEEE 802.11ac_80M, ANT 0				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
42	5210	-2.75	≦10.92	Pass

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 11dBm - (6.08dBi-6dB)=10.92 dBm

Peak Power Spectral Density – Channel 42

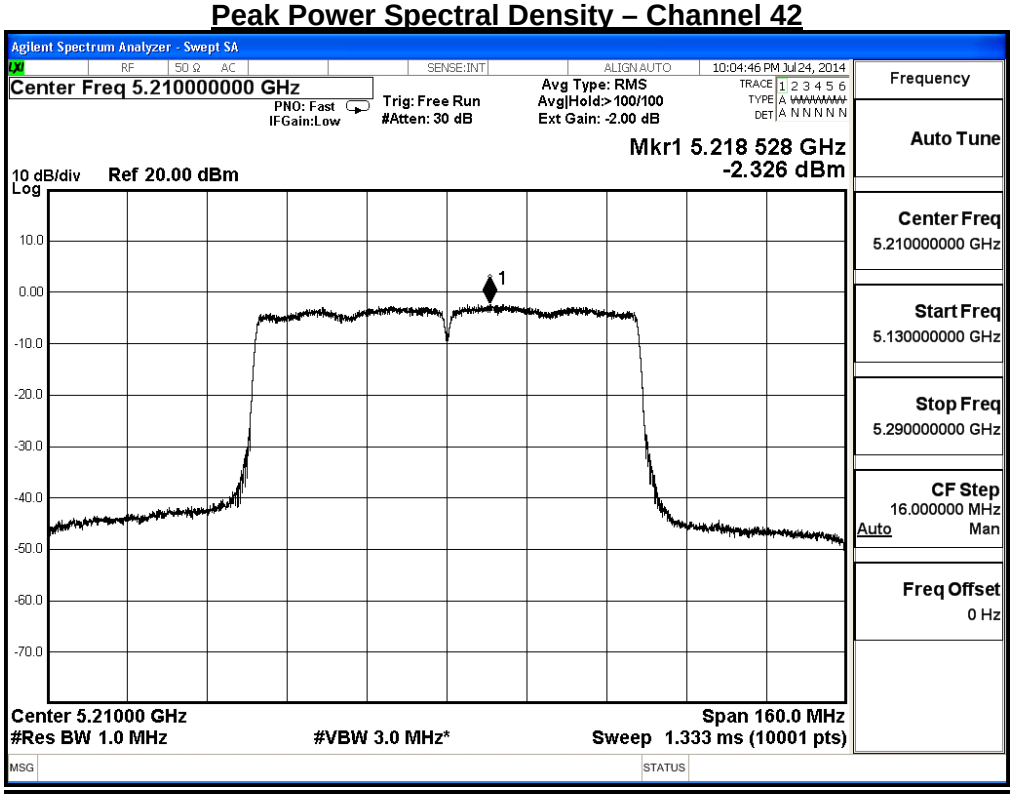


Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode3: Transmit (CDD)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

IEEE 802.11ac_80M, ANT 1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
42	5210	-2.33	≦10.92	Pass

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 11dBm - (6.08dBi-6dB)=10.92 dBm

Peak Power Spectral Density – Channel 42



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode3: Transmit (CDD)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

IEEE 802.11ac_80M, ANT 0+1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
42	5210	0.48	≦10.92	Pass

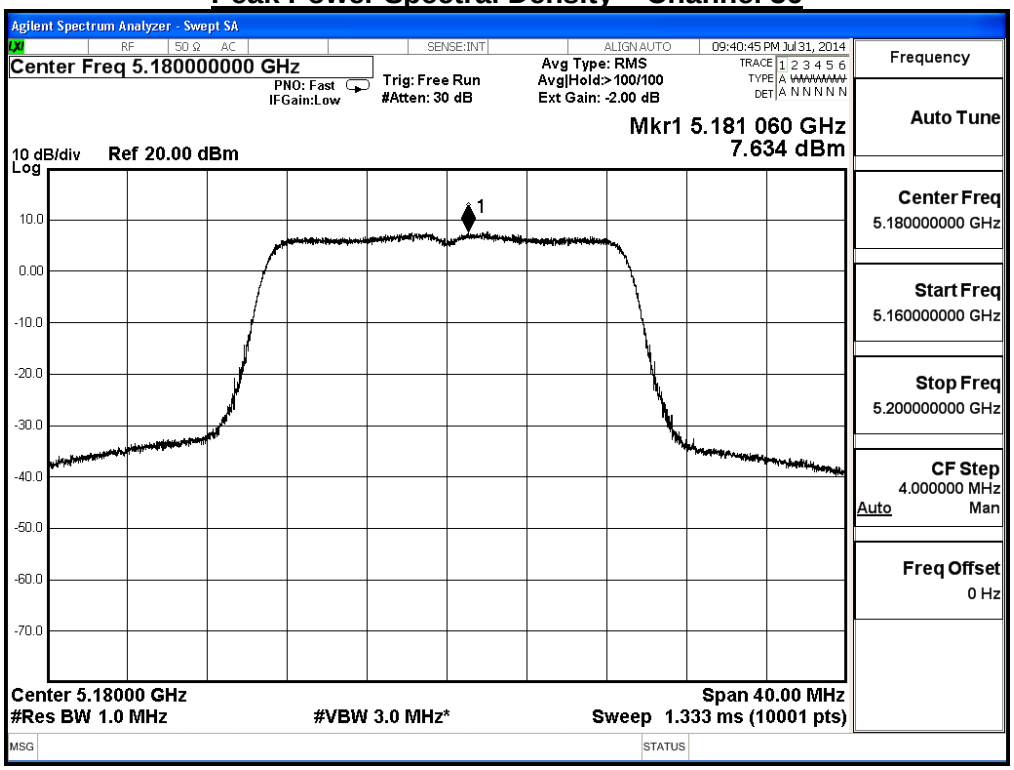
Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 11dBm - (6.08dBi-6dB)=10.92 dBm

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode4: Transmit (Beamforming)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

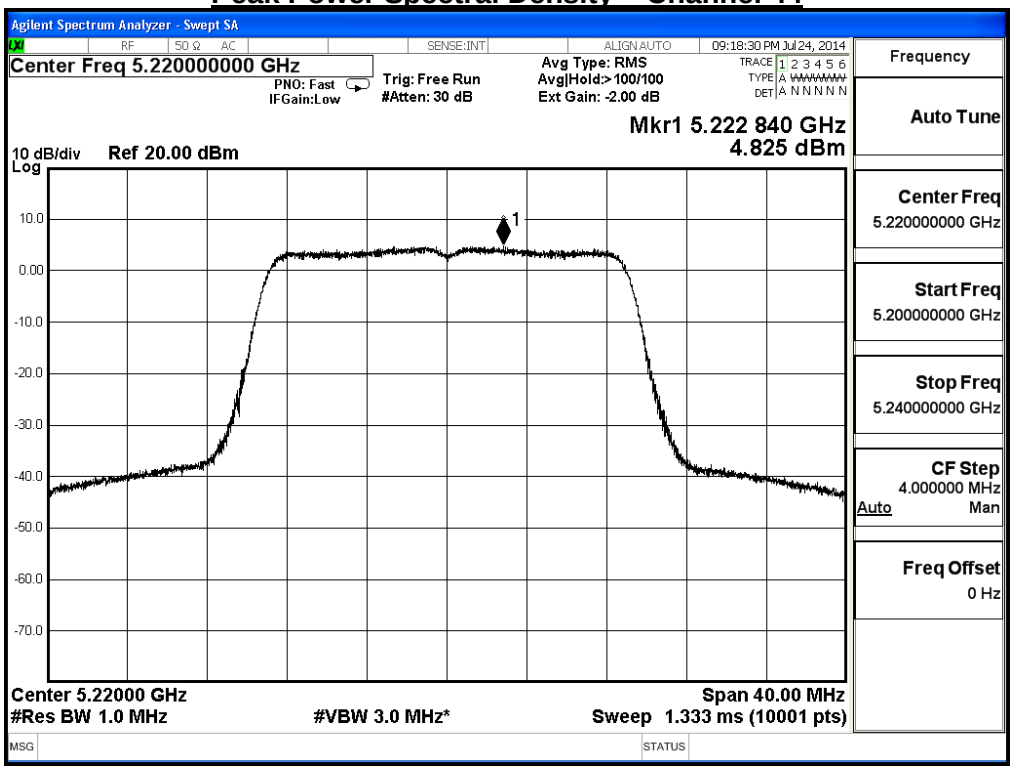
IEEE 802.11n_20M, ANT 0				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
36	5180	7.63	≦10.92	Pass
44	5220	4.83	≦10.92	Pass
48	5240	4.99	≦10.92	Pass

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 11dBm - (6.08dBi-6dB)=10.92 dBm

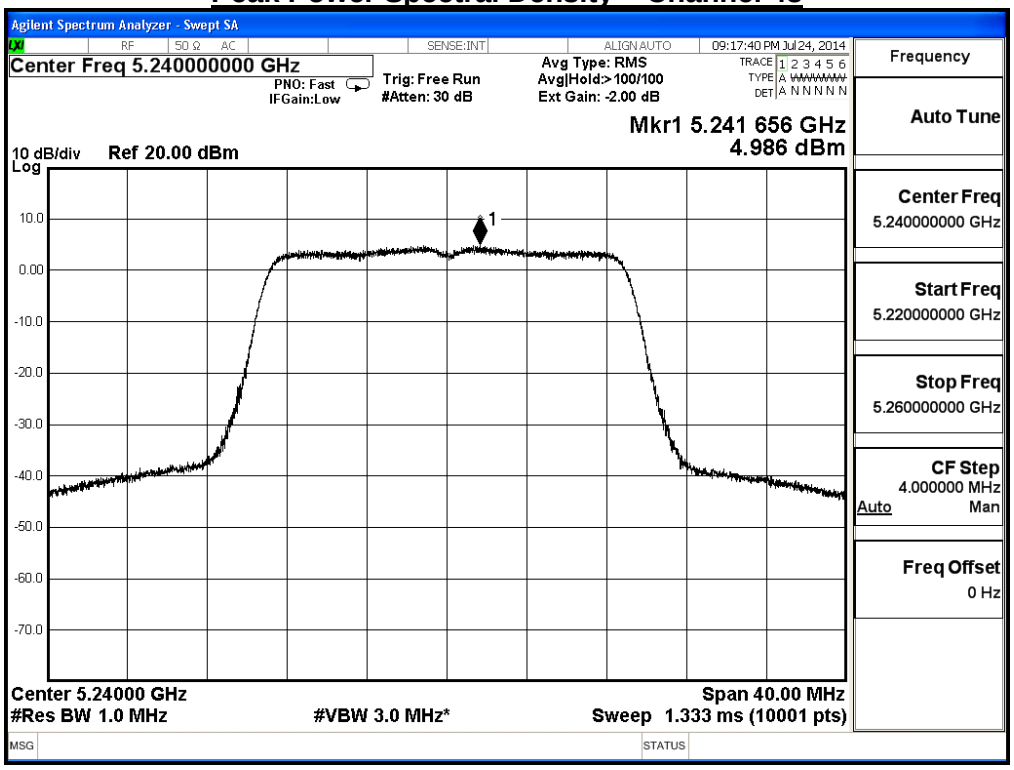
Peak Power Spectral Density – Channel 36



Peak Power Spectral Density – Channel 44



Peak Power Spectral Density – Channel 48

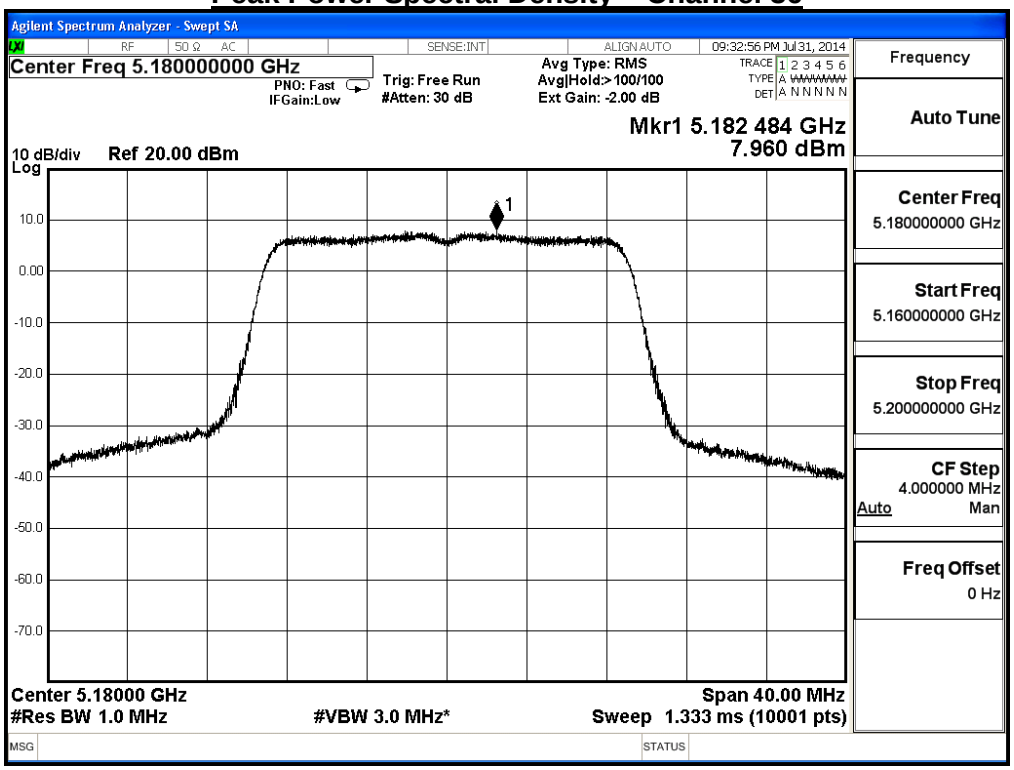


Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode4: Transmit (Beamforming)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

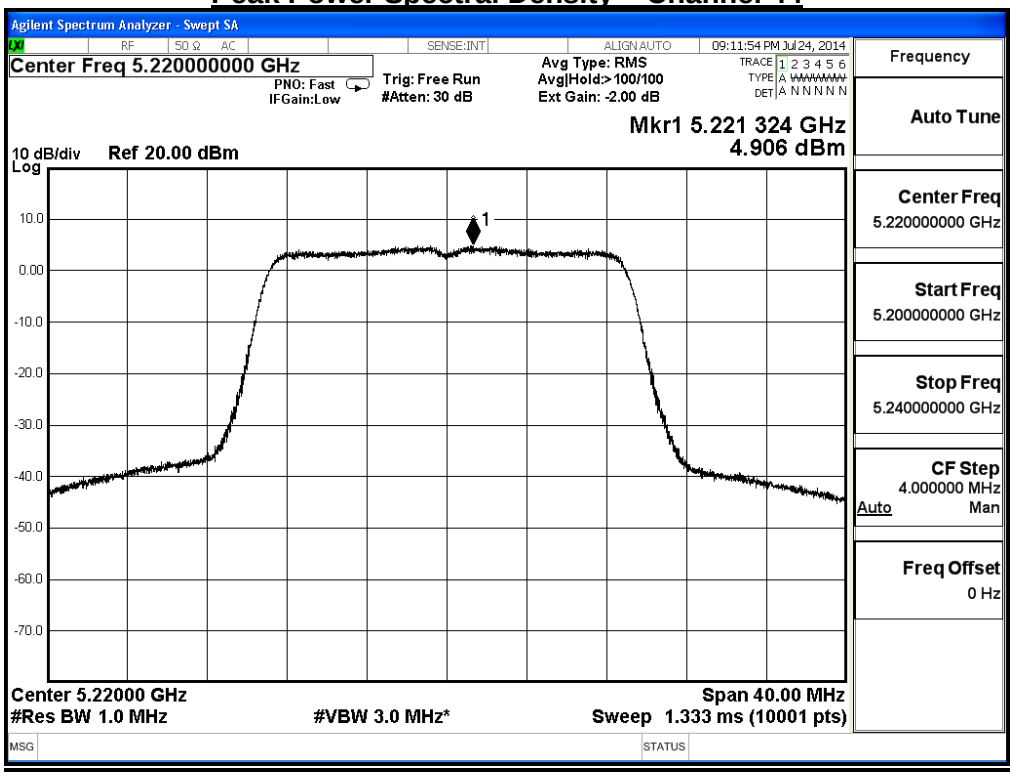
IEEE 802.11n_20M, ANT 1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
36	5180	7.96	≦10.92	Pass
44	5220	4.91	≦10.92	Pass
48	5240	4.88	≦10.92	Pass

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 11dBm - (6.08dBi-6dB)=10.92 dBm

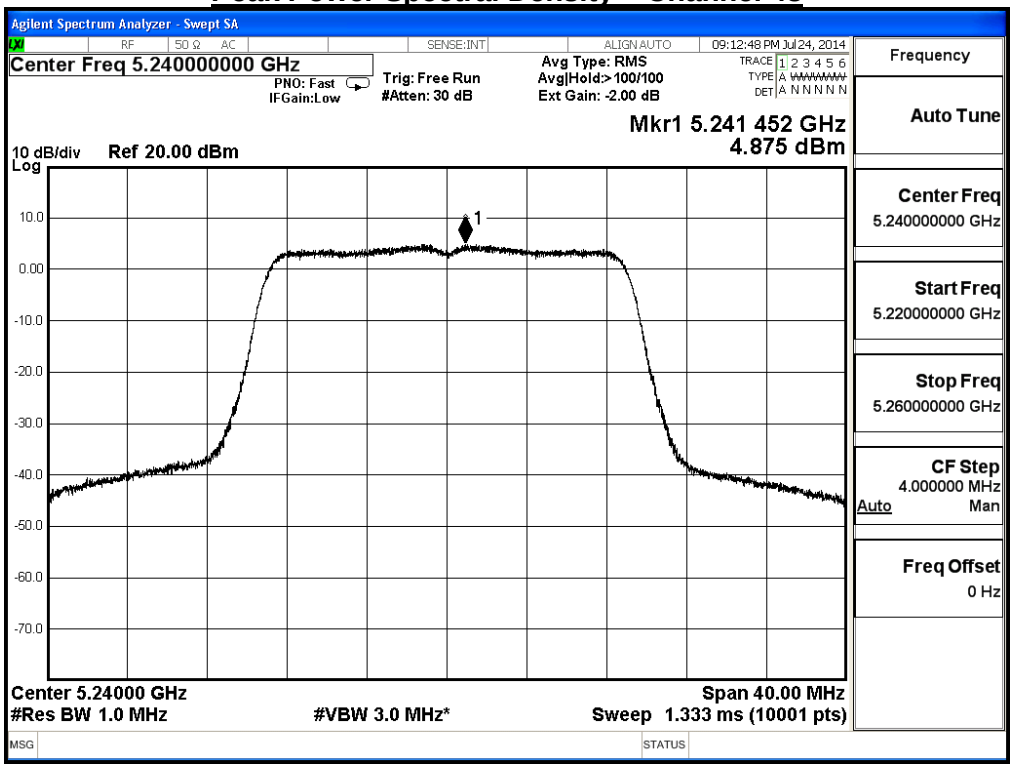
Peak Power Spectral Density – Channel 36



Peak Power Spectral Density – Channel 44



Peak Power Spectral Density – Channel 48



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode4: Transmit (Beamforming)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

IEEE 802.11n_20M, ANT 0+1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
36	5180	10.81	≦10.92	Pass
44	5220	7.88	≦10.92	Pass
48	5240	7.94	≦10.92	Pass

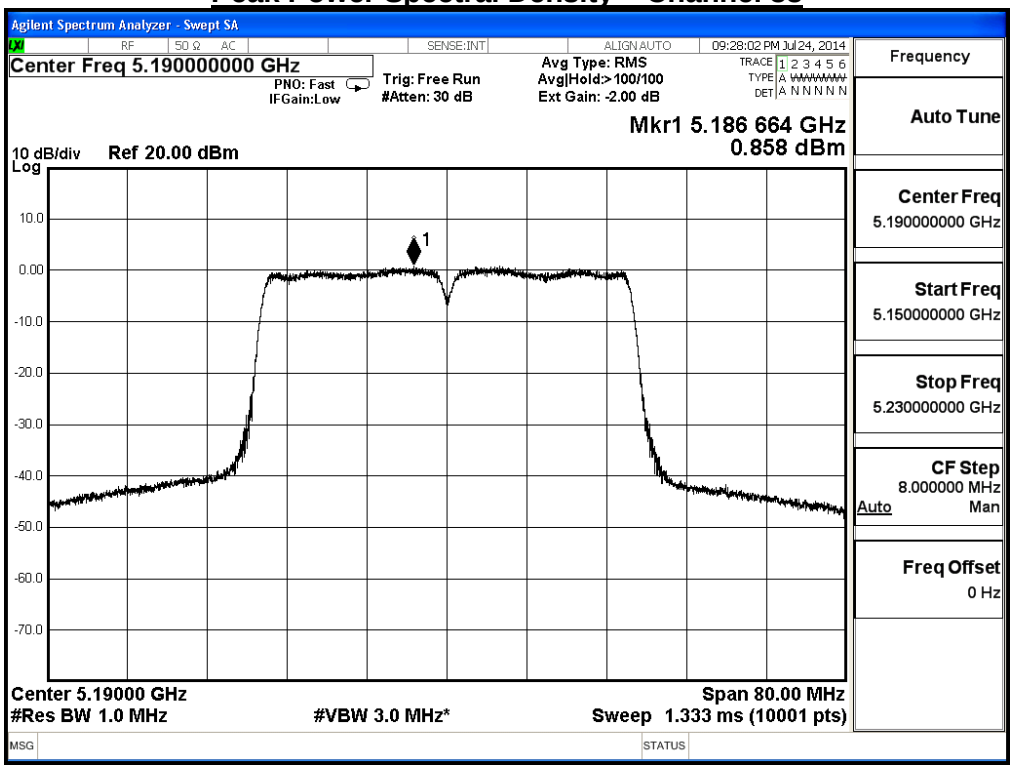
Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 11dBm - (6.08dBi-6dB)=10.92 dBm

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode4: Transmit (Beamforming)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

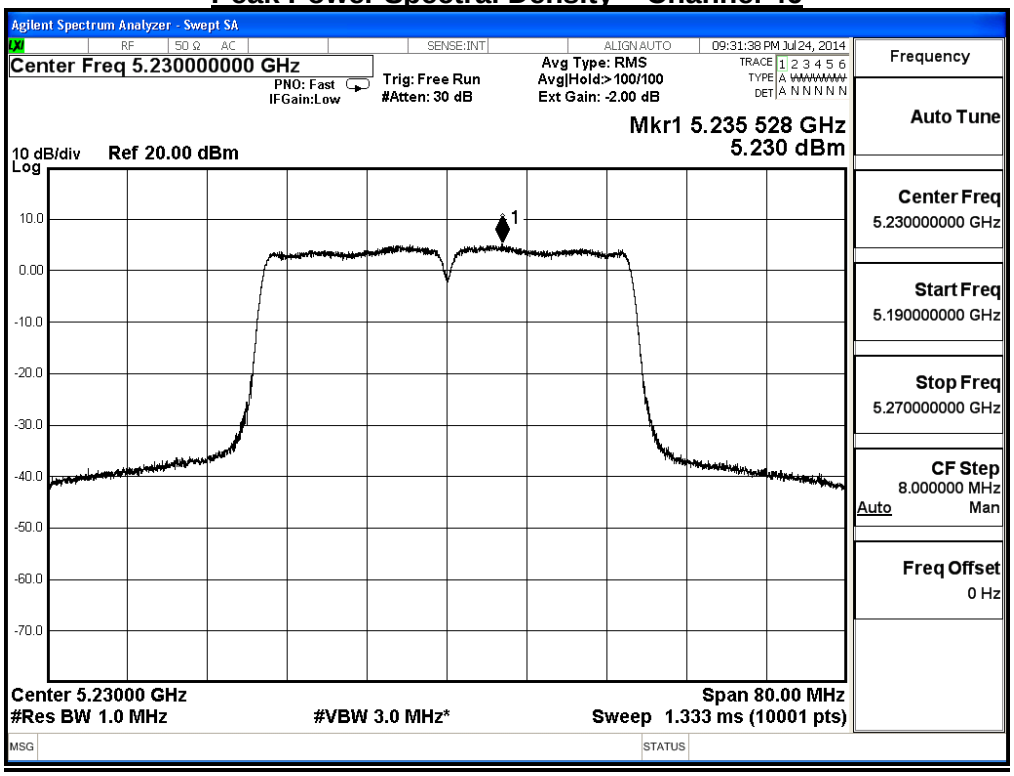
IEEE 802.11n_40M, ANT 0				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
38	5190	0.86	≦10.92	Pass
46	5230	5.23	≦10.92	Pass

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 11dBm - (6.08dBi-6dB)=10.92 dBm

Peak Power Spectral Density – Channel 38



Peak Power Spectral Density – Channel 46

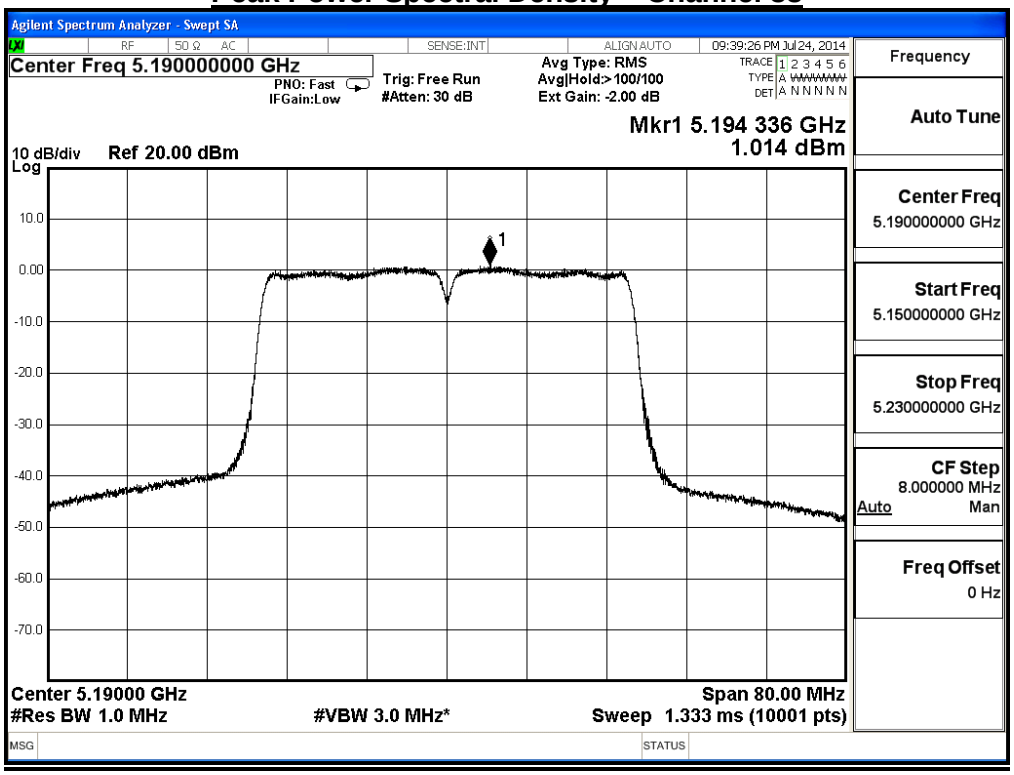


Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode4: Transmit (Beamforming)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

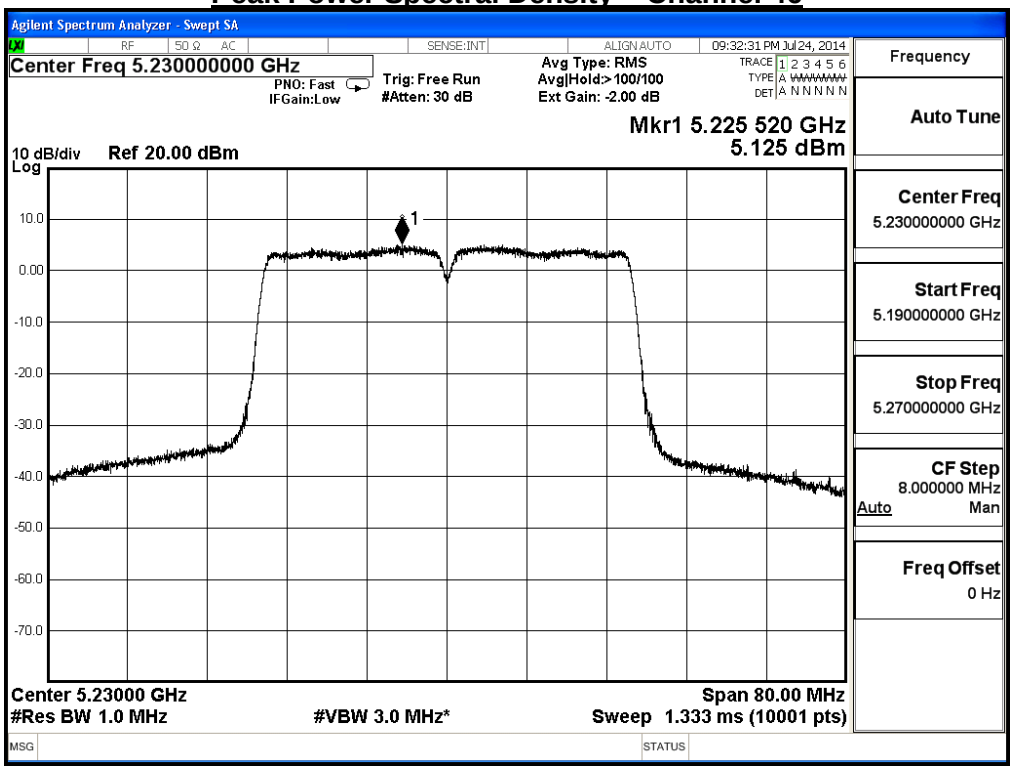
IEEE 802.11n_40M, ANT 1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
38	5190	1.01	≦10.92	Pass
46	5230	5.13	≦10.92	Pass

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 11dBm - (6.08dBi-6dB)=10.92 dBm

Peak Power Spectral Density – Channel 38



Peak Power Spectral Density – Channel 46



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode4: Transmit (Beamforming)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

IEEE 802.11n_40M, ANT 0+1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
38	5190	3.95	≦10.92	Pass
46	5230	8.19	≦10.92	Pass

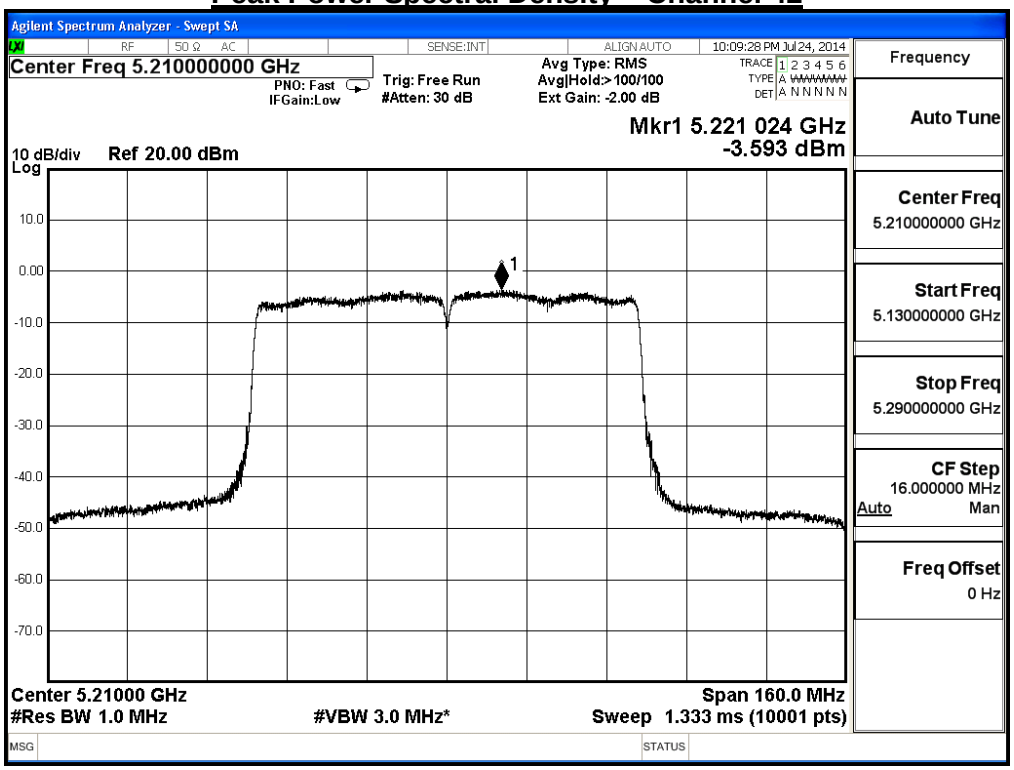
Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 11dBm - (6.08dBi-6dB)=10.92 dBm

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode4: Transmit (Beamforming)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

IEEE 802.11ac_80M, ANT 0				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
42	5210	-3.59	≦10.92	Pass

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 11dBm - (6.08dBi-6dB)=10.92 dBm

Peak Power Spectral Density – Channel 42

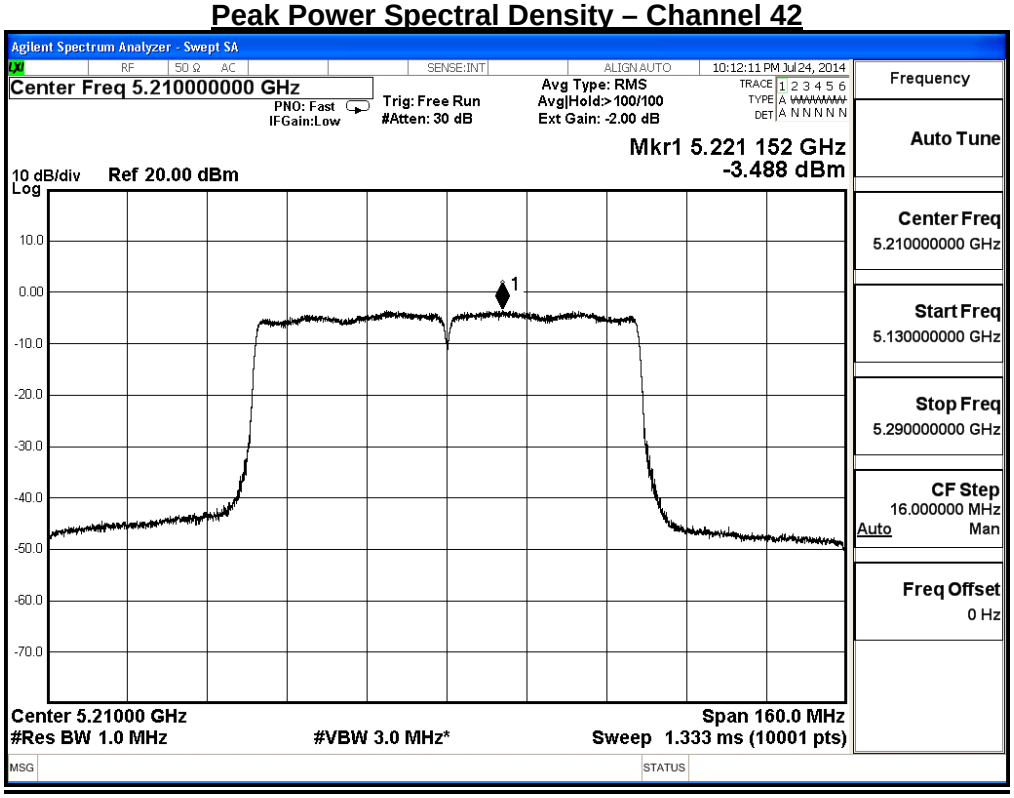


Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode4: Transmit (Beamforming)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

IEEE 802.11ac_80M, ANT 1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
42	5210	-3.47	≦10.92	Pass

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 11dBm - (6.08dBi-6dB)=10.92 dBm

Peak Power Spectral Density – Channel 42



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Peak Power Spectral Density		
Test Mode	Mode4: Transmit (Beamforming)_Repeat Mode		
Date of Test	2014/07/31	Test Site	SR7

IEEE 802.11ac_80M, ANT 0+1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
42	5210	-0.53	≦10.92	Pass

Note:
Directional Antenna Gain = 10log(Ant N)+max Gain = 6.08dBi
Required Limit = 11dBm - (6.08dBi-6dB)=10.92 dBm

6. Radiated Emission

6.1. Test Equipment

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

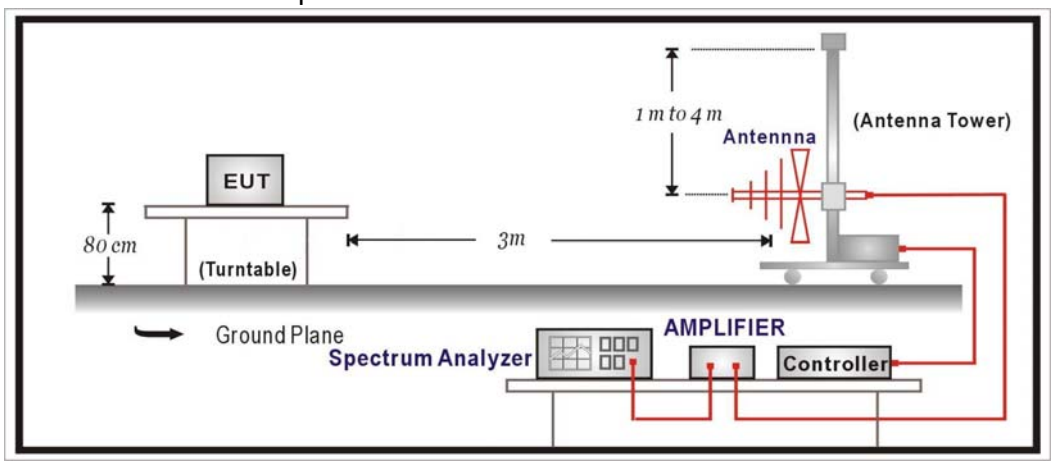
Radiated Emission / CB1

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Bilog Antenna	SCHAFFNER	CBL6112B	2895	2014/08/14
Double Ridged Guide Horn Antenna	Schwarzback	BBHA 9120	D743	2015/02/12
Pre-Amplifier	MITEQ	AMF-4D-005180-24-10P	888003	2015/06/02
Pre-Amplifier	QuieTek	AP-025C	CHM-0706049	2015/02/06
Spectrum Analyzer	Agilent	E4440A	MY46187335	2015/01/12
k Type Cable	Huber Suhner	Sucoflex 102	25623/2	2015/02/10

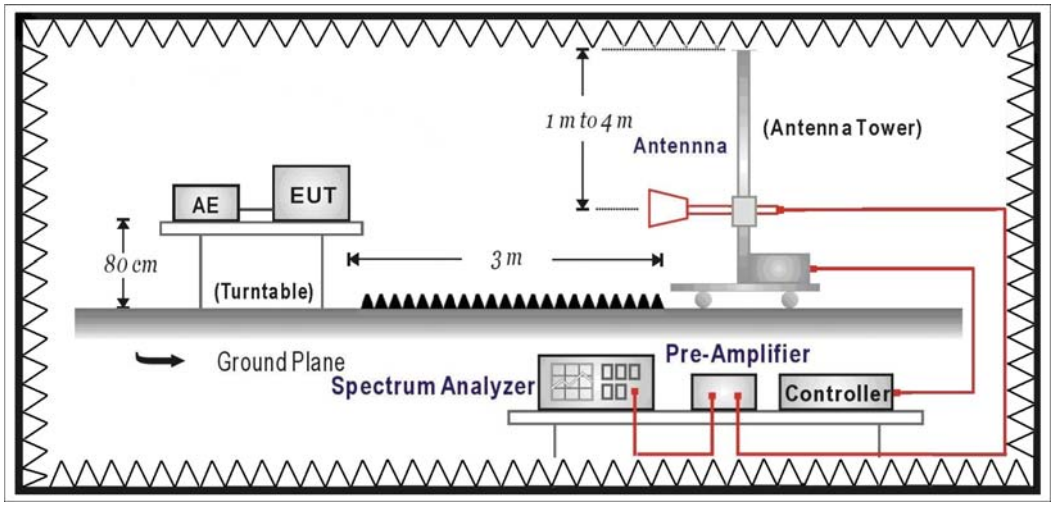
Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

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 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10 on radiated measurement.
The 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.

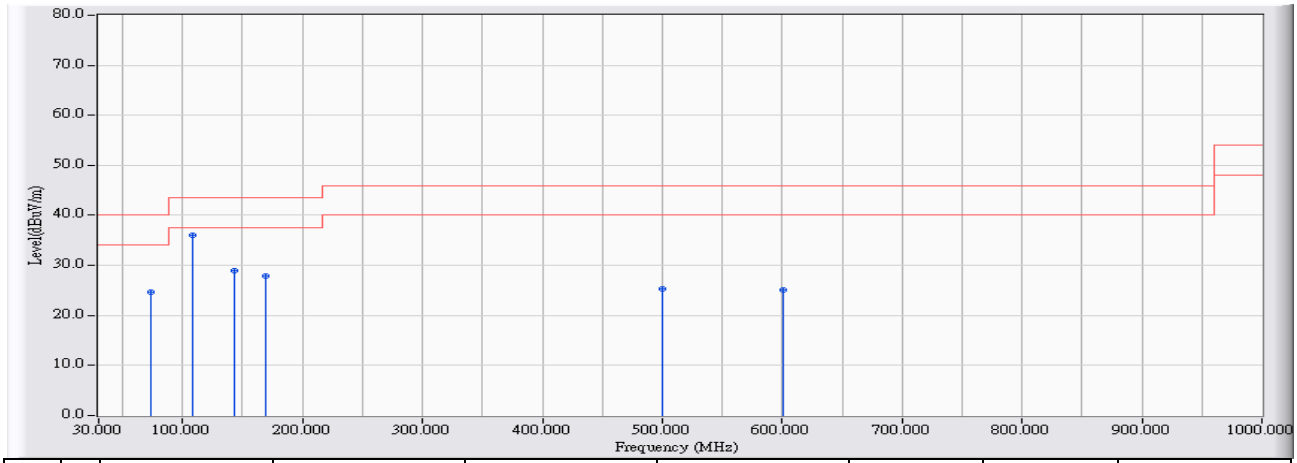
6.5. Uncertainty

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

6.6. Test Result

30MHz-1GHz Spurious

Site : CB1	**Time : 2014/08/10 - 11:27**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode _802.11a_5220MHz**

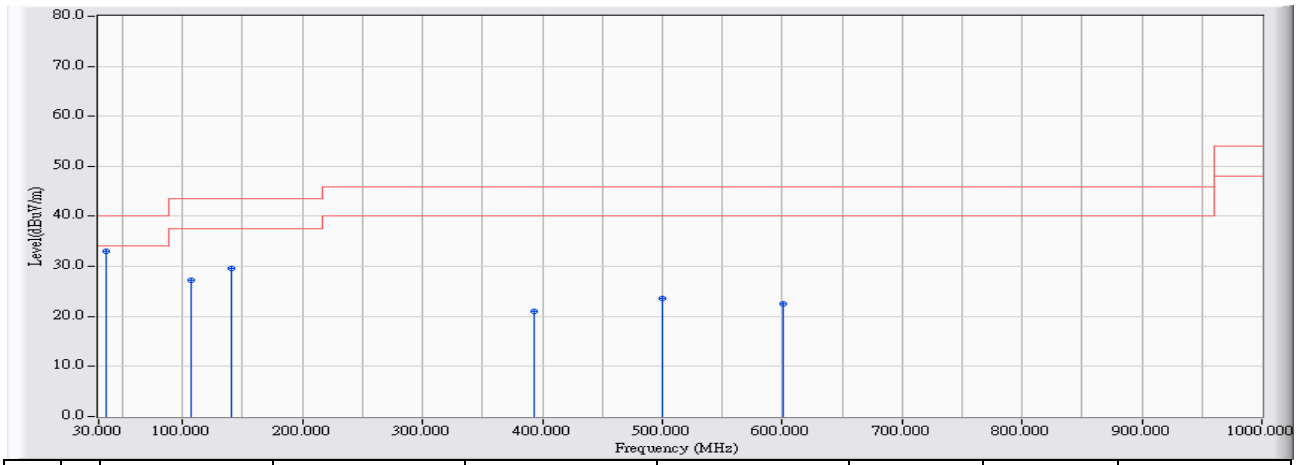


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		73.650	-27.272	51.943	24.671	-15.329	40.000	QUASIPEAK
2	*	108.570	-22.795	58.770	35.974	-7.526	43.500	QUASIPEAK
3		143.490	-23.104	52.055	28.951	-14.549	43.500	QUASIPEAK
4		168.710	-24.204	52.168	27.964	-15.536	43.500	QUASIPEAK
5		500.450	-15.179	40.547	25.368	-20.632	46.000	QUASIPEAK
6		600.360	-14.464	39.554	25.089	-20.911	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 : 2014/08/10 - 11:29**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode 802.11a_5220MHz**

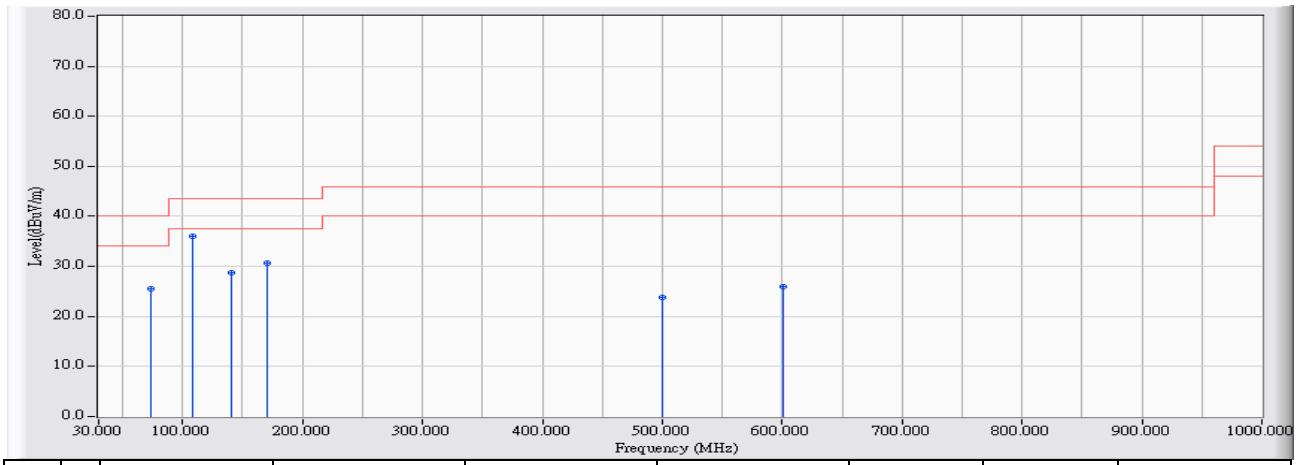


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	36.305	-20.671	53.597	32.926	-7.074	40.000	QUASIPEAK
2		106.630	-22.889	50.102	27.212	-16.288	43.500	QUASIPEAK
3		141.065	-22.983	52.523	29.540	-13.960	43.500	QUASIPEAK
4		393.265	-17.514	38.447	20.933	-25.067	46.000	QUASIPEAK
5		500.450	-15.179	38.692	23.513	-22.487	46.000	QUASIPEAK
6		600.360	-14.464	36.973	22.508	-23.492	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 : 2014/08/10 - 11:30**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode 802.11n 20M_5220MHz**

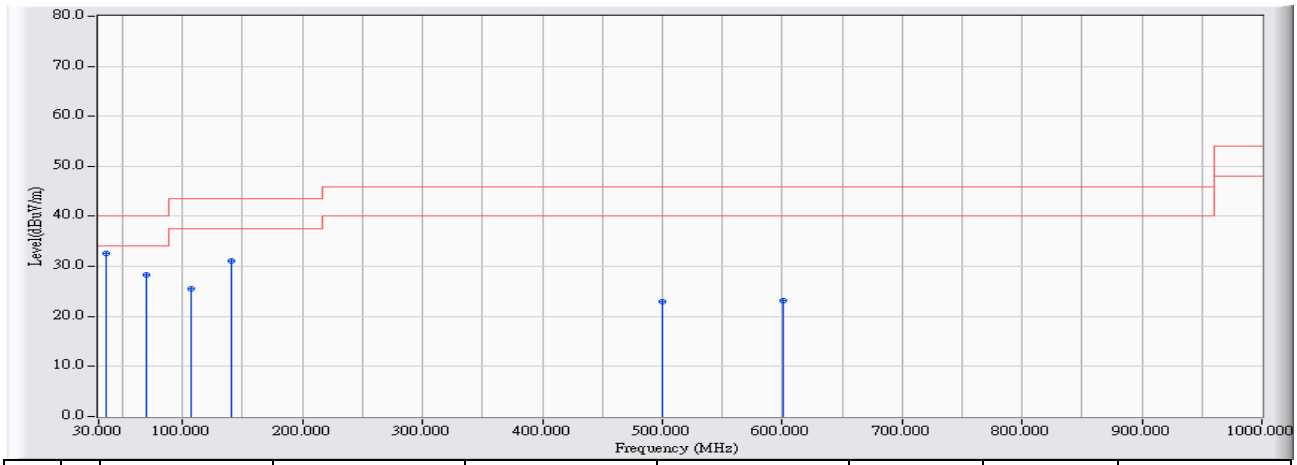


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		73.650	-27.272	52.798	25.526	-14.474	40.000	QUASIPEAK
2	*	108.570	-22.795	58.743	35.947	-7.553	43.500	QUASIPEAK
3		141.065	-22.983	51.662	28.679	-14.821	43.500	QUASIPEAK
4		170.650	-24.278	55.039	30.761	-12.739	43.500	QUASIPEAK
5		500.450	-15.179	39.067	23.888	-22.112	46.000	QUASIPEAK
6		600.360	-14.464	40.381	25.916	-20.084	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 : 2014/08/10 - 11:32**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode 802.11n 20M_5220MHz**

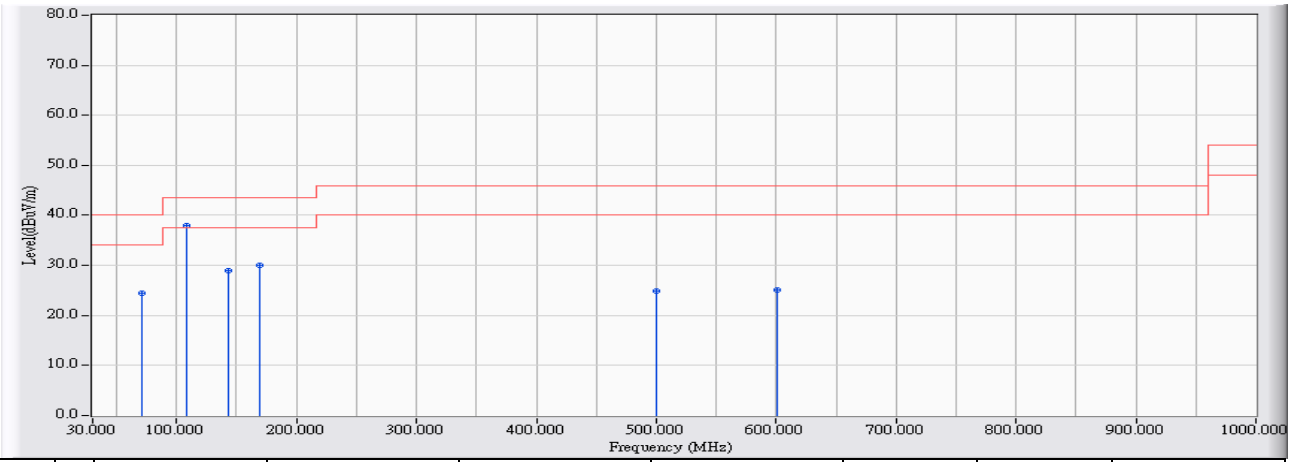


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	36.305	-20.671	53.232	32.561	-7.439	40.000	QUASIPEAK
2		69.285	-27.527	55.844	28.316	-11.684	40.000	QUASIPEAK
3		106.630	-22.889	48.495	25.605	-17.895	43.500	QUASIPEAK
4		141.065	-22.983	54.042	31.059	-12.441	43.500	QUASIPEAK
5		500.450	-15.179	38.172	22.993	-23.007	46.000	QUASIPEAK
6		600.360	-14.464	37.699	23.234	-22.766	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 : 2014/08/10 - 11:33**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode 802.11n 40M_5230MHz**

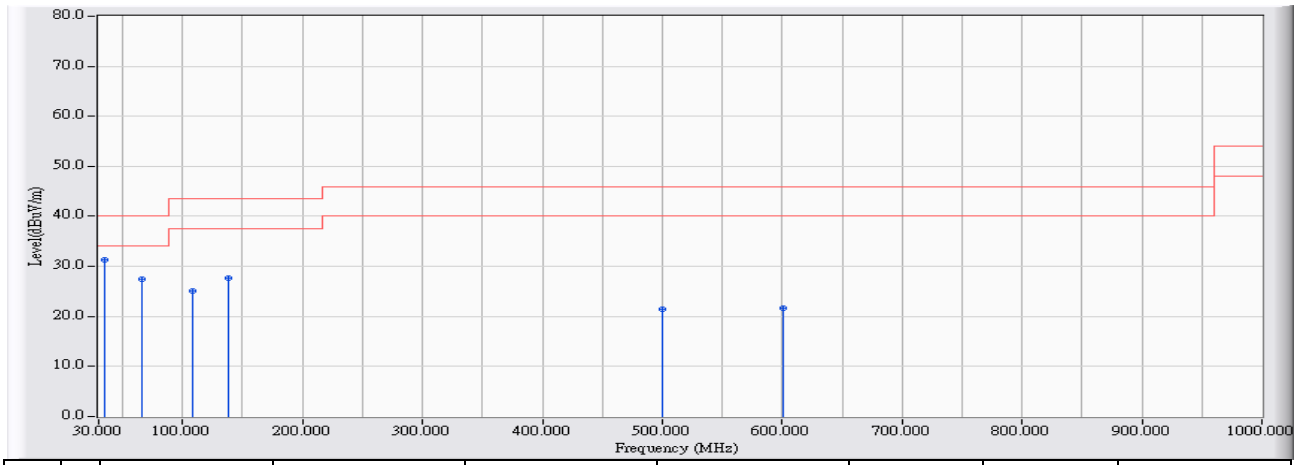


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		70.740	-27.491	52.023	24.532	-15.468	40.000	QUASIPEAK
2	*	108.570	-22.795	60.680	37.884	-5.616	43.500	QUASIPEAK
3		143.490	-23.104	52.140	29.036	-14.464	43.500	QUASIPEAK
4		168.710	-24.204	54.238	30.034	-13.466	43.500	QUASIPEAK
5		500.450	-15.179	40.038	24.859	-21.141	46.000	QUASIPEAK
6		600.360	-14.464	39.662	25.197	-20.803	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 : 2014/08/10 - 11:35**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode 802.11n 40M_5230MHz**

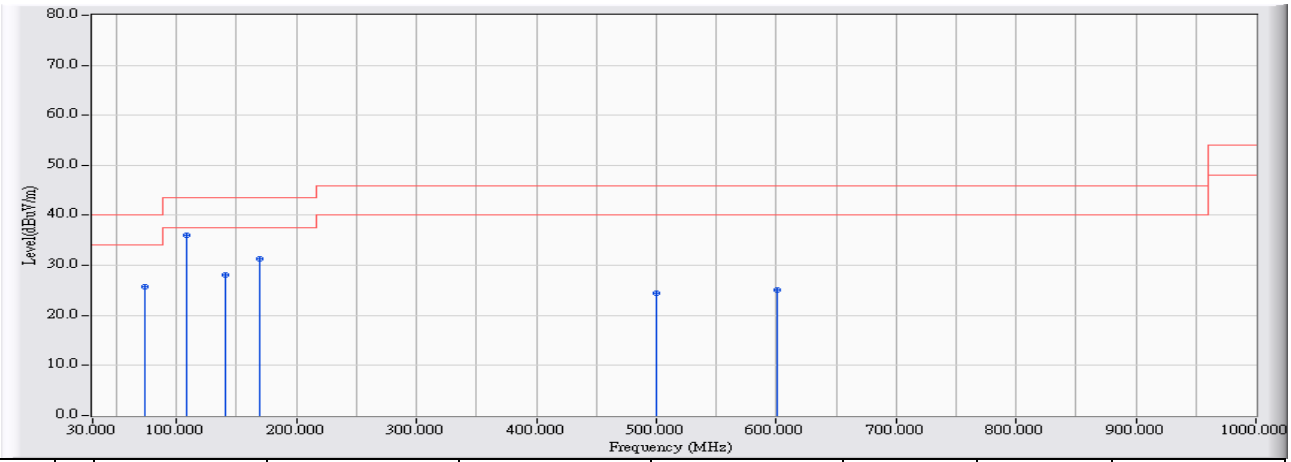


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	35.335	-20.280	51.512	31.231	-8.769	40.000	QUASIPEAK
2		66.375	-27.450	54.868	27.418	-12.582	40.000	QUASIPEAK
3		108.570	-22.795	47.946	25.150	-18.350	43.500	QUASIPEAK
4		138.640	-22.882	50.657	27.774	-15.726	43.500	QUASIPEAK
5		500.450	-15.179	36.568	21.389	-24.611	46.000	QUASIPEAK
6		600.360	-14.464	36.180	21.715	-24.285	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 : 2014/08/10 - 11:36**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode 802.11ac 80M_5210MHz**

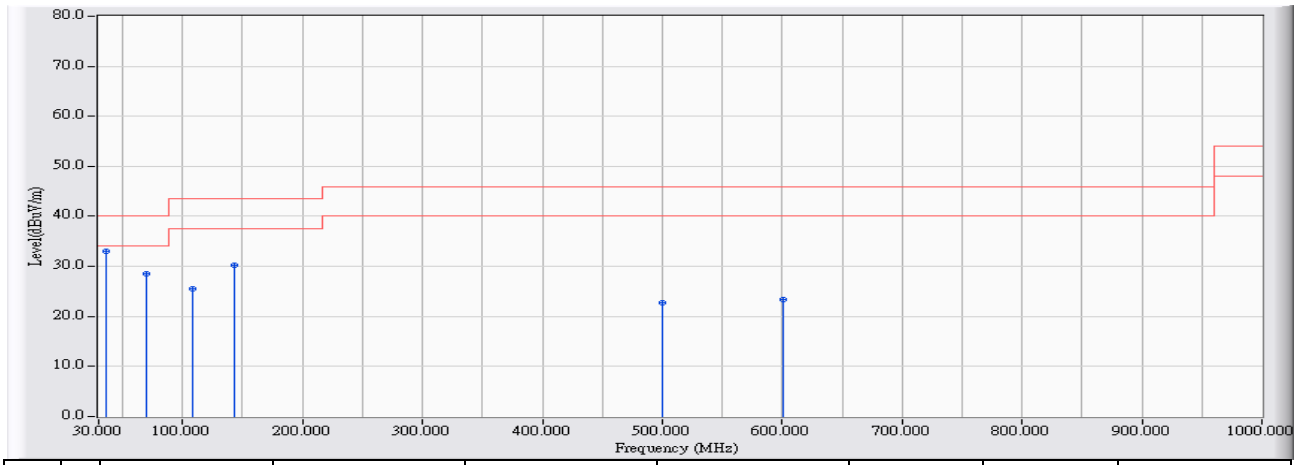


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		73.165	-27.308	53.074	25.766	-14.234	40.000	QUASIPEAK
2	*	108.570	-22.795	58.902	36.106	-7.394	43.500	QUASIPEAK
3		141.065	-22.983	51.175	28.192	-15.308	43.500	QUASIPEAK
4		168.710	-24.204	55.512	31.308	-12.192	43.500	QUASIPEAK
5		500.450	-15.179	39.647	24.468	-21.532	46.000	QUASIPEAK
6		600.360	-14.464	39.523	25.058	-20.942	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 : 2014/08/10 - 11:38**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode 802.11ac 80M_5210MHz**



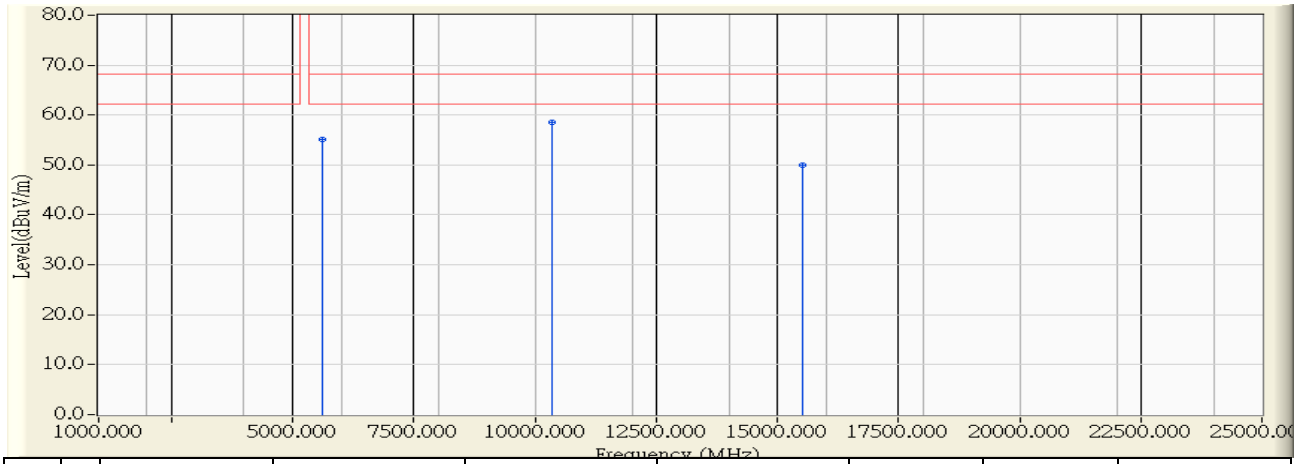
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	36.305	-20.671	53.723	33.052	-6.948	40.000	QUASIPEAK
2		69.285	-27.527	55.982	28.454	-11.546	40.000	QUASIPEAK
3		108.570	-22.795	48.400	25.604	-17.896	43.500	QUASIPEAK
4		143.490	-23.104	53.401	30.297	-13.203	43.500	QUASIPEAK
5		500.450	-15.179	37.853	22.674	-23.326	46.000	QUASIPEAK
6		600.360	-14.464	37.769	23.304	-22.696	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 : 2014/07/21 - 14:11**
Limit : FCC_SPARTE_15.407_H_Band1_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode 802.11a_5180MHz**

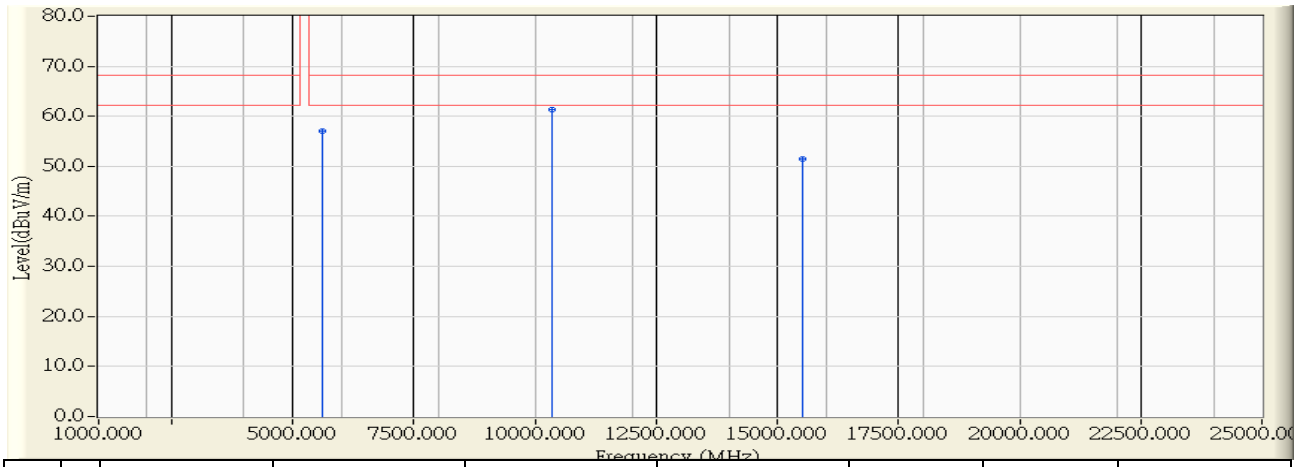


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5613.970	3.118	51.980	55.098	-13.202	68.300	PEAK
2	*	10362.625	10.323	48.250	58.573	-9.727	68.300	PEAK
3		15536.570	11.076	38.860	49.935	-18.365	68.300	PEAK

Note:

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

Site : CB1	**Time : 2014/07/21 - 14:57**
Limit : FCC_SPARTE_15.407_H_Band1_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode 802.11a_5180MHz**

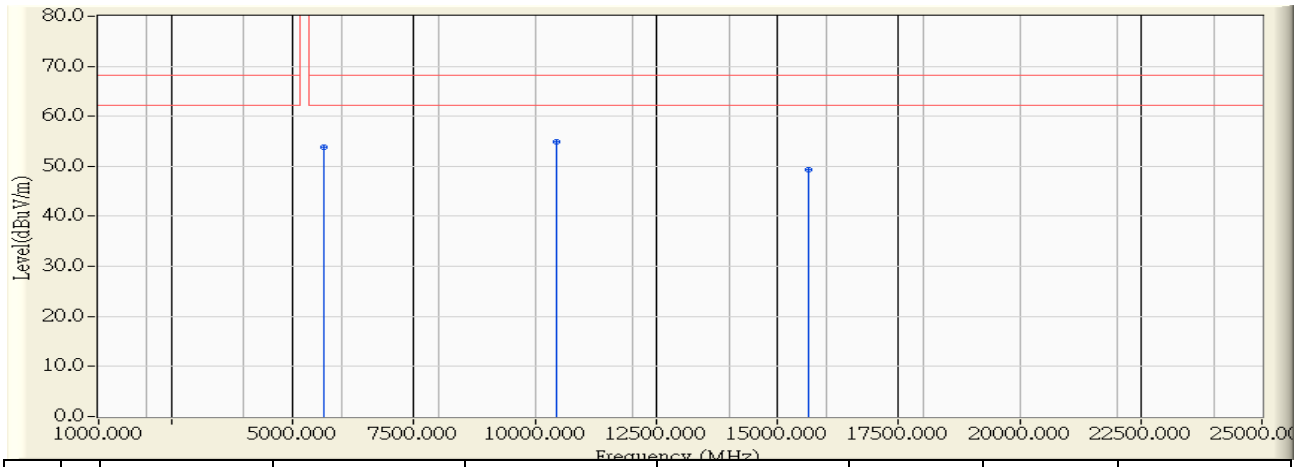


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5612.221	3.124	53.880	57.004	-11.296	68.300	PEAK
2	*	10365.750	10.314	51.000	61.314	-6.986	68.300	PEAK
3		15536.550	11.076	40.410	51.485	-16.815	68.300	PEAK

Note:

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

Site : CB1	**Time : 2014/07/21 - 15:13**
Limit : FCC_SPARTE_15.407_H_Band1_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode 802.11a_5220MHz**

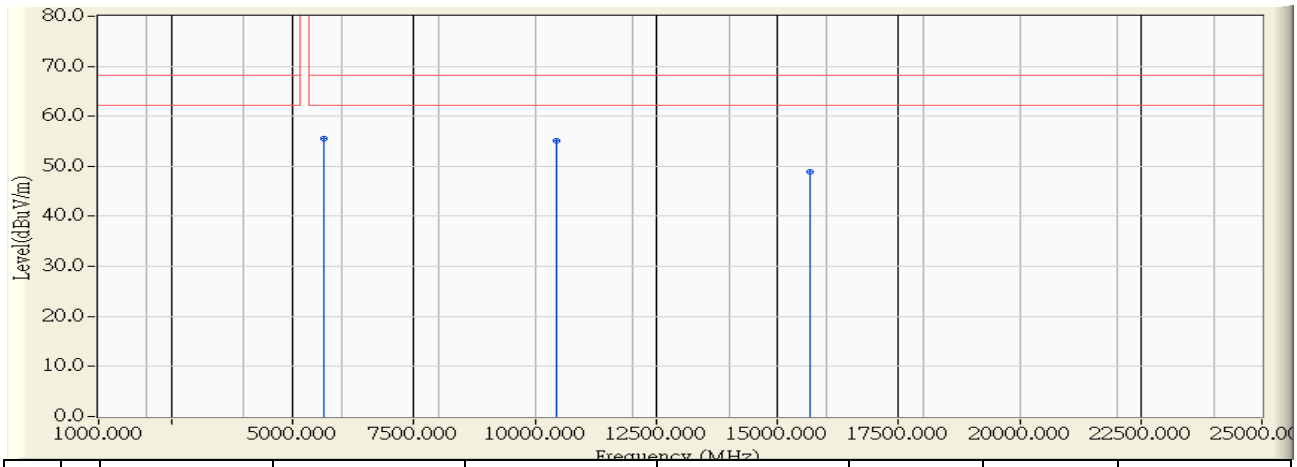


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5654.920	2.959	50.950	53.910	-14.390	68.300	PEAK
2	*	10438.570	10.098	44.800	54.897	-13.403	68.300	PEAK
3		15660.875	10.936	38.310	49.246	-19.054	68.300	PEAK

Note:

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

Site : CB1	**Time : 2014/07/21 - 15:33**
Limit : FCC_SPARTE_15.407_H_Band1_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode 802.11a_5220MHz**

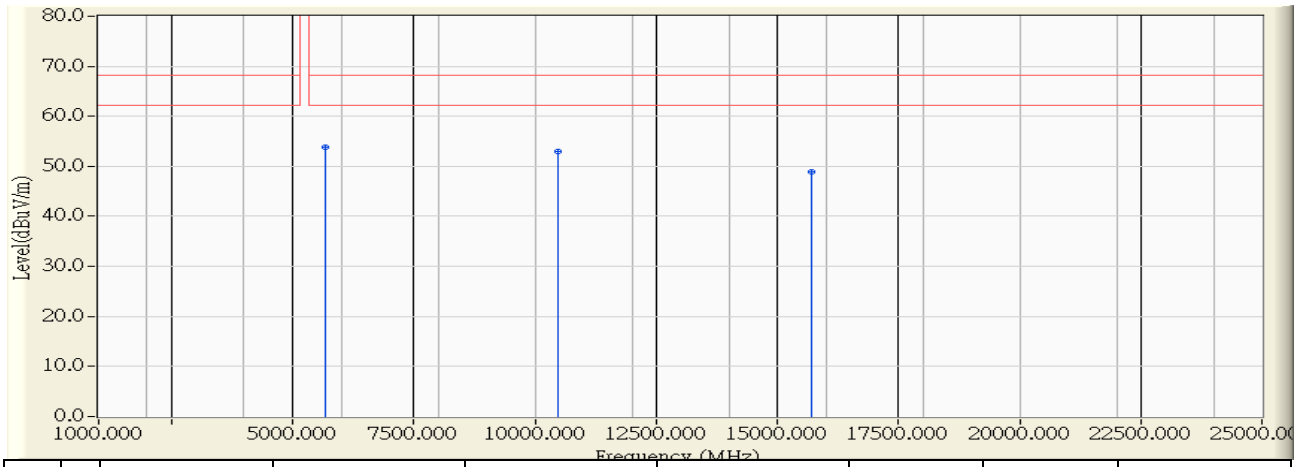


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5655.146	2.958	52.540	55.499	-12.801	68.300	PEAK
2		10442.340	10.086	45.030	55.116	-13.184	68.300	PEAK
3		15662.810	10.934	38.060	48.994	-19.306	68.300	PEAK

Note:

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

Site : CB1	**Time : 2014/07/21 - 15:45**
Limit : FCC_SPARTE_15.407_H_Band1_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode 802.11a_5240MHz**

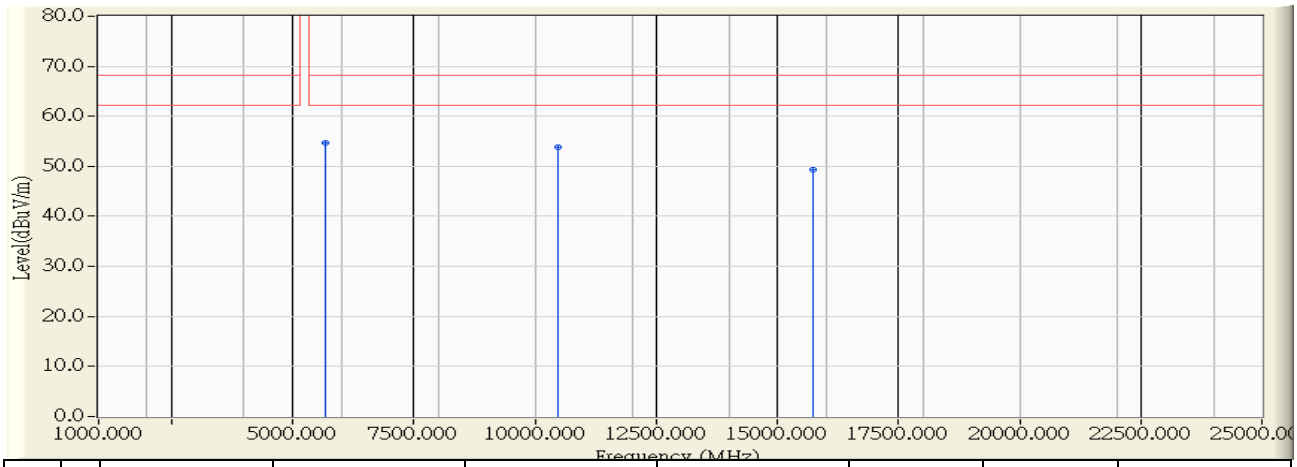


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5677.746	2.872	50.990	53.862	-14.438	68.300	PEAK
2		10483.740	10.072	42.900	52.972	-15.328	68.300	PEAK
3		15707.100	10.884	37.950	48.835	-19.465	68.300	PEAK

Note:

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

Site : CB1	**Time : 2014/07/21 - 16:19**
Limit : FCC_SPARTE_15.407_H_Band1_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode 802.11a_5240MHz**

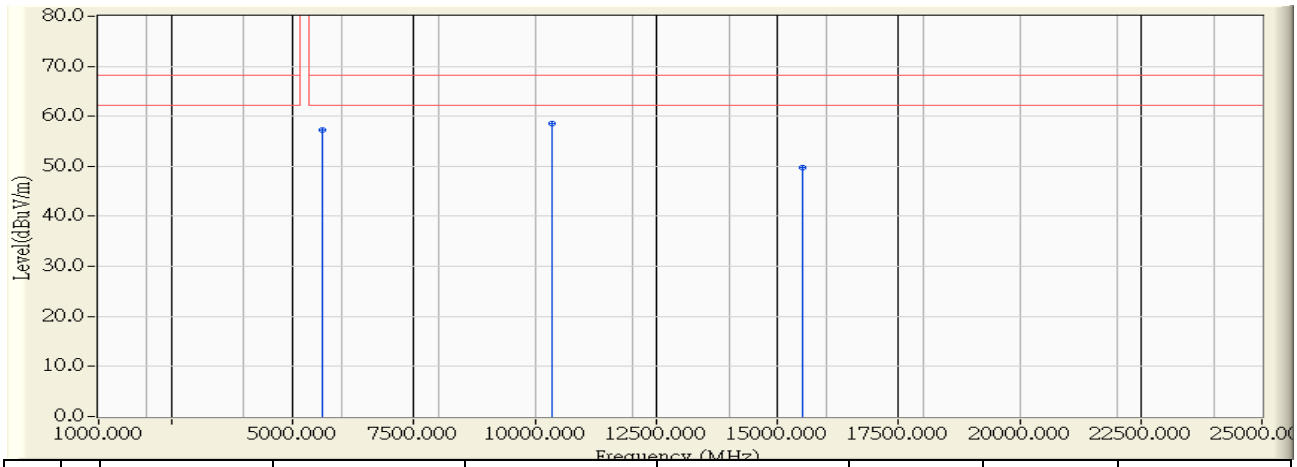


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5676.721	2.876	51.880	54.756	-13.544	68.300	PEAK
2		10482.260	10.068	43.820	53.887	-14.413	68.300	PEAK
3		15725.840	10.864	38.420	49.284	-19.016	68.300	PEAK

Note:

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

Site : CB1	**Time : 2014/07/21 - 16:48**
Limit : FCC_SPARTE_15.407_H_Band1_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode 802.11n(20M)_5180MHz**

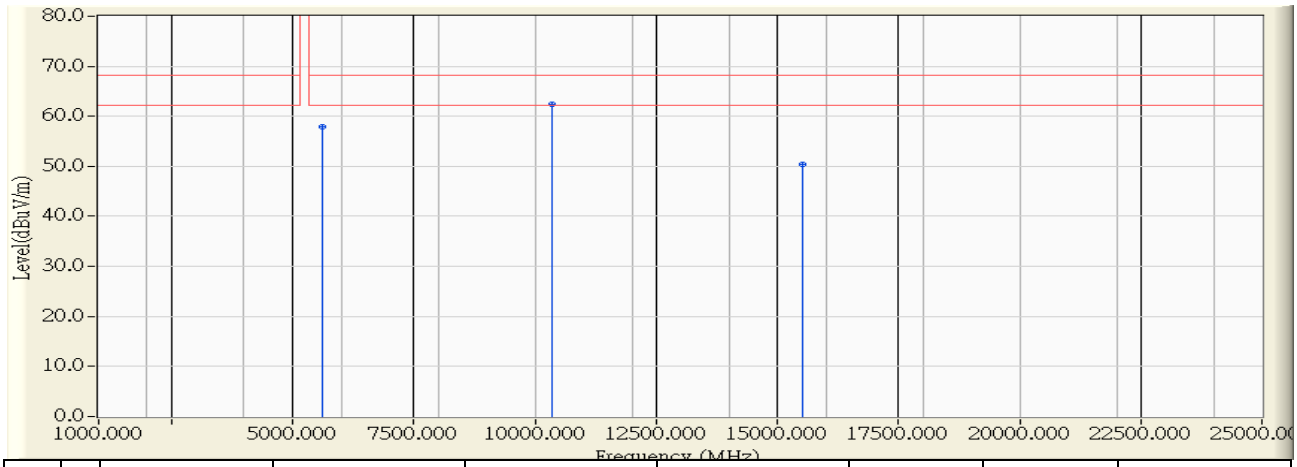


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5612.700	3.122	54.060	57.183	-11.117	68.300	PEAK
2	*	10357.100	10.340	48.300	58.640	-9.660	68.300	PEAK
3		15531.680	11.080	38.600	49.681	-18.619	68.300	PEAK

Note:

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

Site : CB1	**Time : 2014/07/21 - 17:22**
Limit : FCC_SPARTE_15.407_H_Band1_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode 802.11n(20M)_5180MHz**

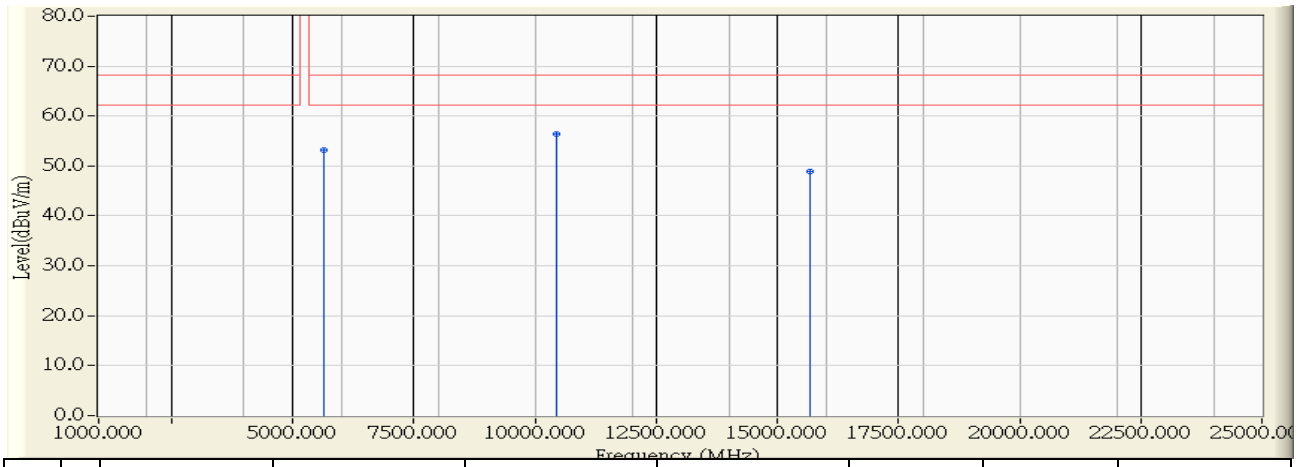


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5611.900	3.125	54.890	58.016	-10.284	68.300	PEAK
2	*	10360.280	10.331	51.980	62.310	-5.990	68.300	PEAK
3		15537.320	11.075	39.390	50.464	-17.836	68.300	PEAK

Note:

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

Site : CB1	**Time : 2014/07/21 - 17:48**
Limit : FCC_SPARTE_15.407_H_Band1_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode 802.11n(20M)_5220MHz**

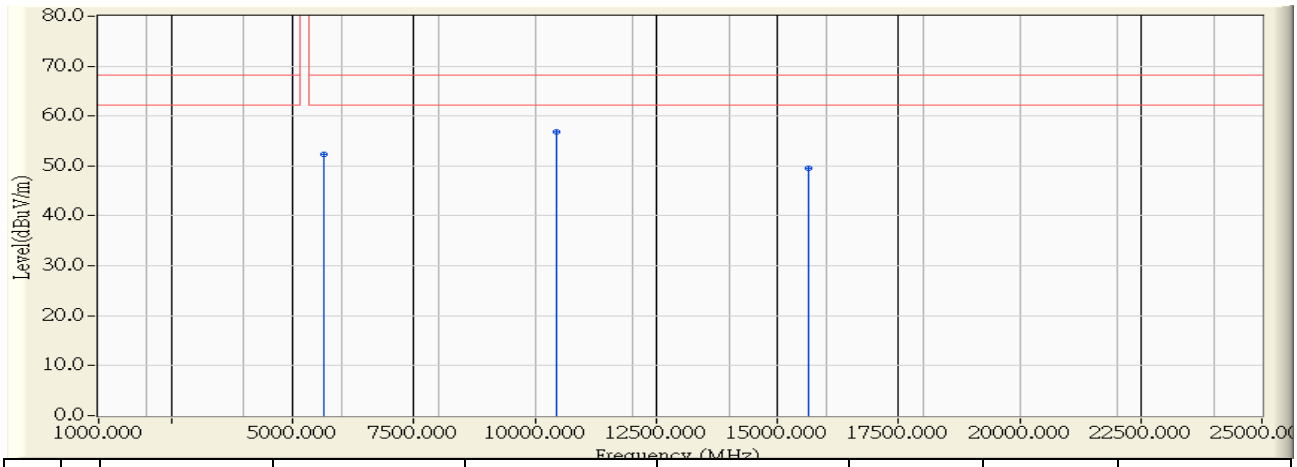


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5655.420	2.958	50.160	53.118	-15.182	68.300	PEAK
2	*	10442.180	10.087	46.351	56.437	-11.863	68.300	PEAK
3		15663.540	10.934	38.030	48.963	-19.337	68.300	PEAK

Note:

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

Site : CB1	**Time : 2014/07/21 - 18:01**
Limit : FCC_SPARTE_15.407_H_Band1_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode 802.11n(20M)_5220MHz**

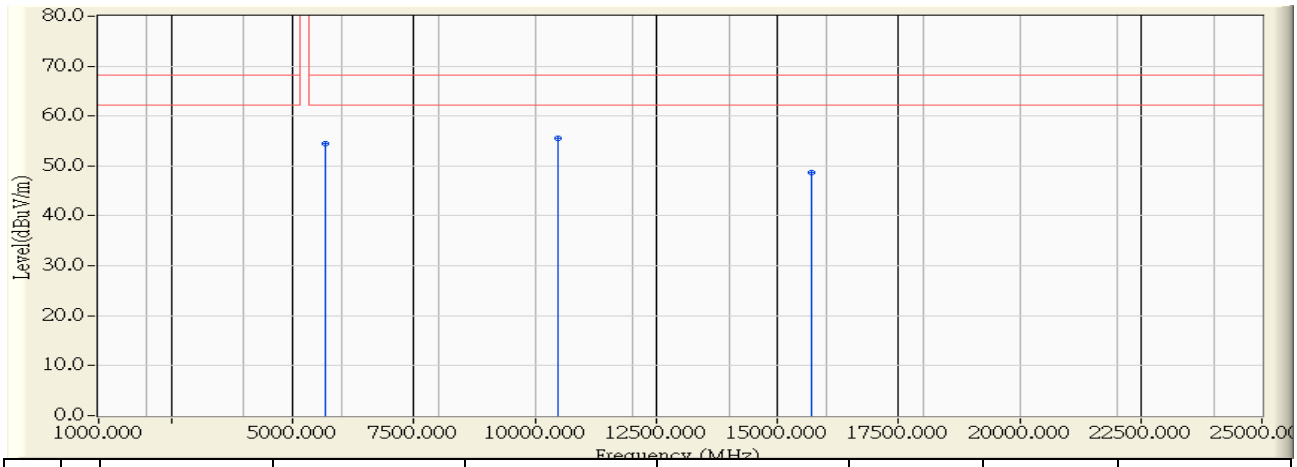


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5654.846	2.960	49.340	52.300	-16.000	68.300	PEAK
2	*	10441.180	10.089	46.650	56.739	-11.561	68.300	PEAK
3		15647.560	10.951	38.630	49.581	-18.719	68.300	PEAK

Note:

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

Site : CB1	**Time : 2014/07/22 - 15:46**
Limit : FCC_SPARTE_15.407_H_Band1_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode 802.11n(20M)_5240MHz**

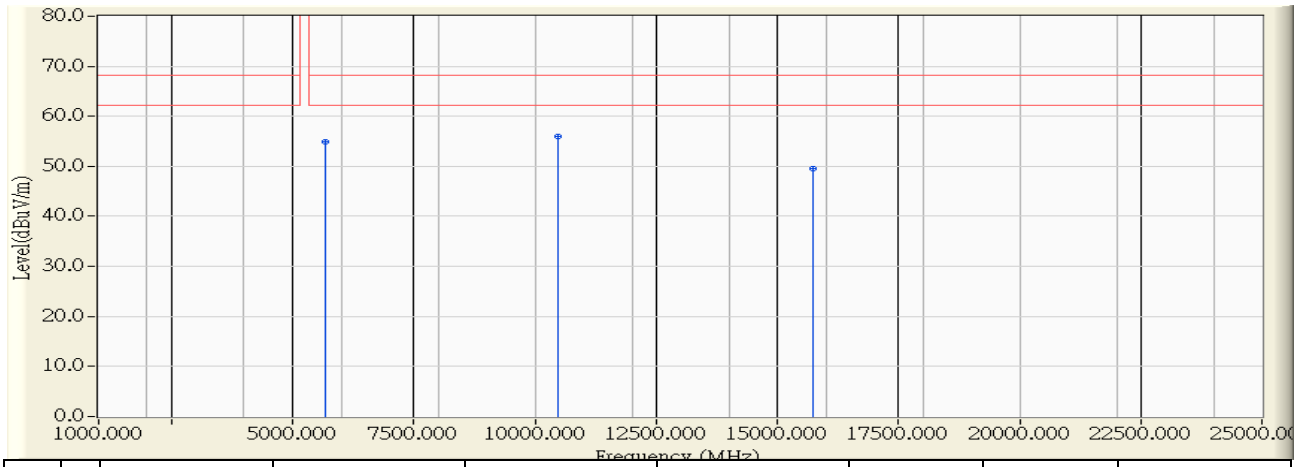


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5676.820	2.876	51.600	54.475	-13.825	68.300	PEAK
2	*	10481.860	10.066	45.400	55.466	-12.834	68.300	PEAK
3		15709.340	10.882	37.890	48.772	-19.528	68.300	PEAK

Note:

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

Site : CB1	**Time : 2014/07/22 - 15:53**
Limit : FCC_SPARTE_15.407_H_Band1_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode 802.11n(20M)_5240MHz**

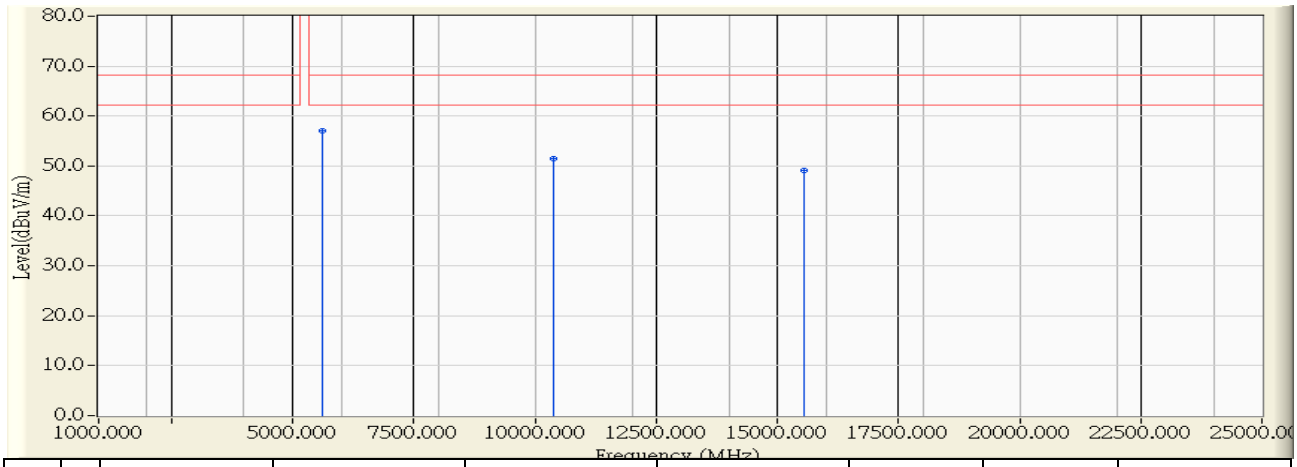


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5676.796	2.876	51.970	54.845	-13.455	68.300	PEAK
2	*	10483.420	10.071	45.830	55.901	-12.399	68.300	PEAK
3		15723.600	10.867	38.620	49.487	-18.813	68.300	PEAK

Note:

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

Site : CB1	**Time : 2014/07/22 - 16:10**
Limit : FCC_SPARTE_15.407_H_Band1_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode 802.11n(40M)_5190MHz**

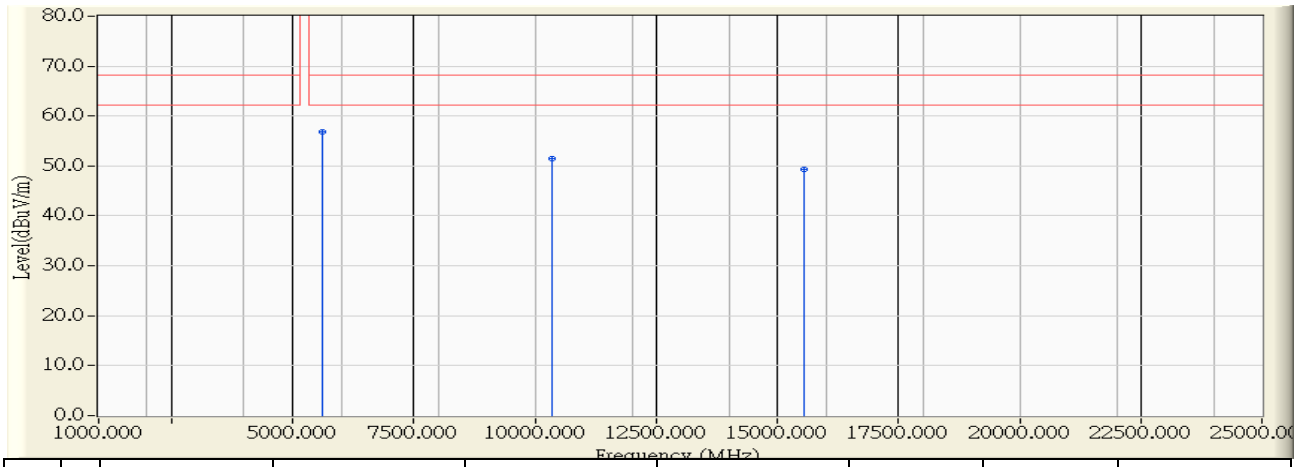


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5622.276	3.086	53.870	56.956	-11.344	68.300	PEAK
2		10378.720	10.275	41.220	51.495	-16.805	68.300	PEAK
3		15540.040	11.071	37.940	49.011	-19.289	68.300	PEAK

Note:

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

Site : CB1	**Time : 2014/07/22 - 16:16**
Limit : FCC_SPARTE_15.407_H_Band1_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode 802.11n(40M)_5190MHz**

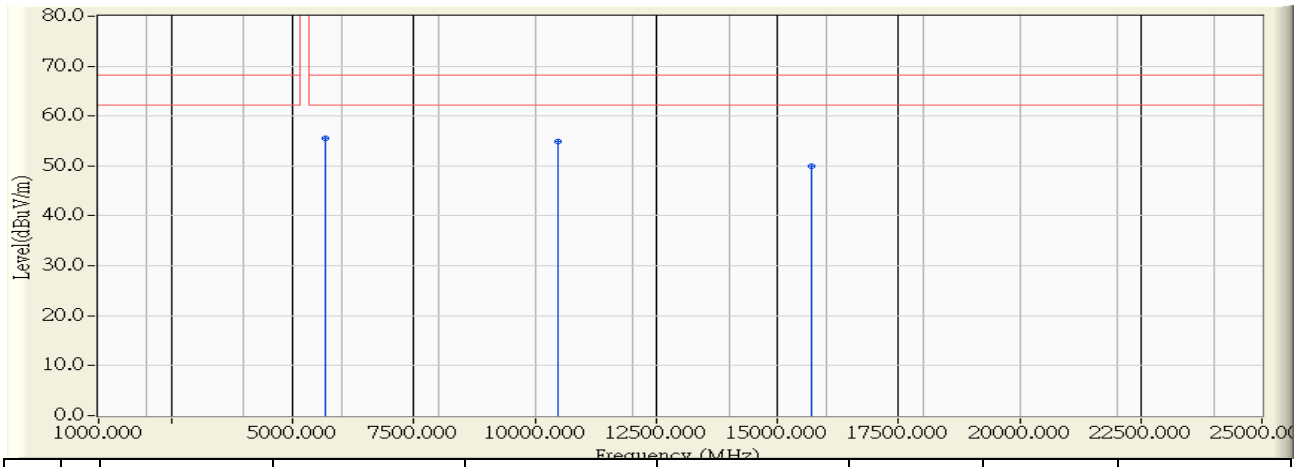


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5622.526	3.085	53.740	56.825	-11.475	68.300	PEAK
2		10362.760	10.323	41.250	51.573	-16.727	68.300	PEAK
3		15563.240	11.046	38.180	49.225	-19.075	68.300	PEAK

Note:

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

Site : CB1	**Time : 2014/07/22 - 16:26**
Limit : FCC_SPARTE_15.407_H_Band1_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode 802.11n(40M)_5230MHz**

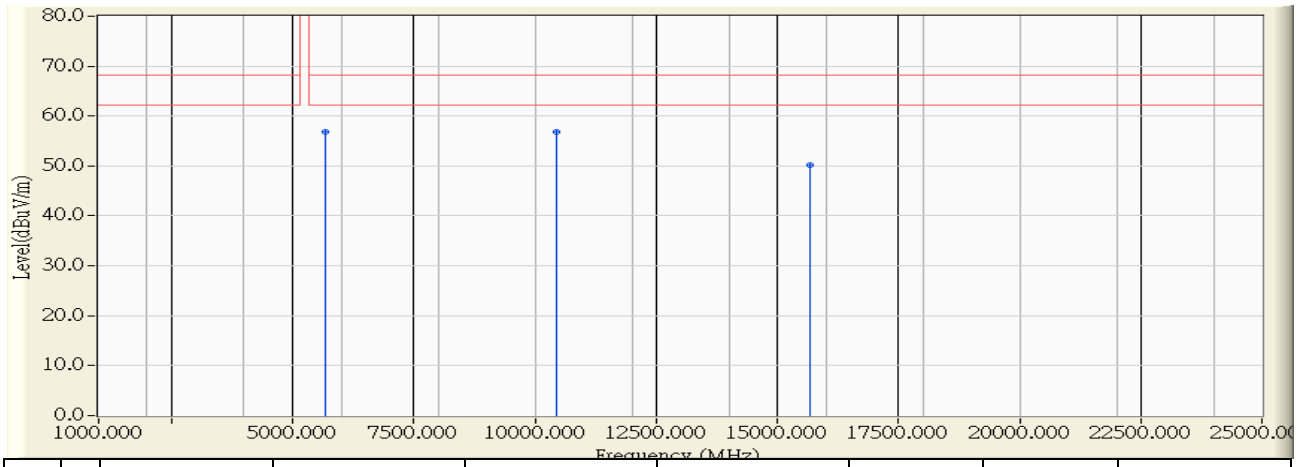


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5665.810	2.918	52.630	55.548	-12.752	68.300	PEAK
2		10469.080	10.023	44.970	54.993	-13.307	68.300	PEAK
3		15693.360	10.900	39.150	50.050	-18.250	68.300	PEAK

Note:

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

Site : CB1	**Time : 2014/07/22 - 16:52**
Limit : FCC_SPARTE_15.407_H_Band1_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode 802.11n(40M)_5230MHz**

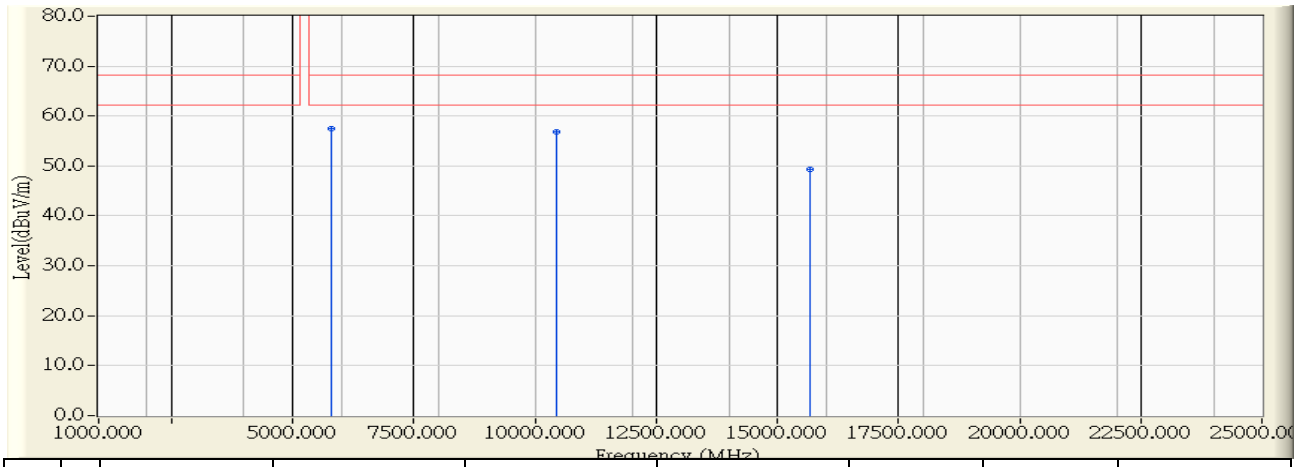


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5665.801	2.918	53.830	56.748	-11.552	68.300	PEAK
2	*	10460.640	10.039	46.820	56.860	-11.440	68.300	PEAK
3		15688.720	10.905	39.310	50.215	-18.085	68.300	PEAK

Note:

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

Site : CB1	**Time : 2014/07/22 - 17:01**
Limit : FCC_SPARTE_15.407_H_Band1_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode 802.11ac(80M)_5210MHz**

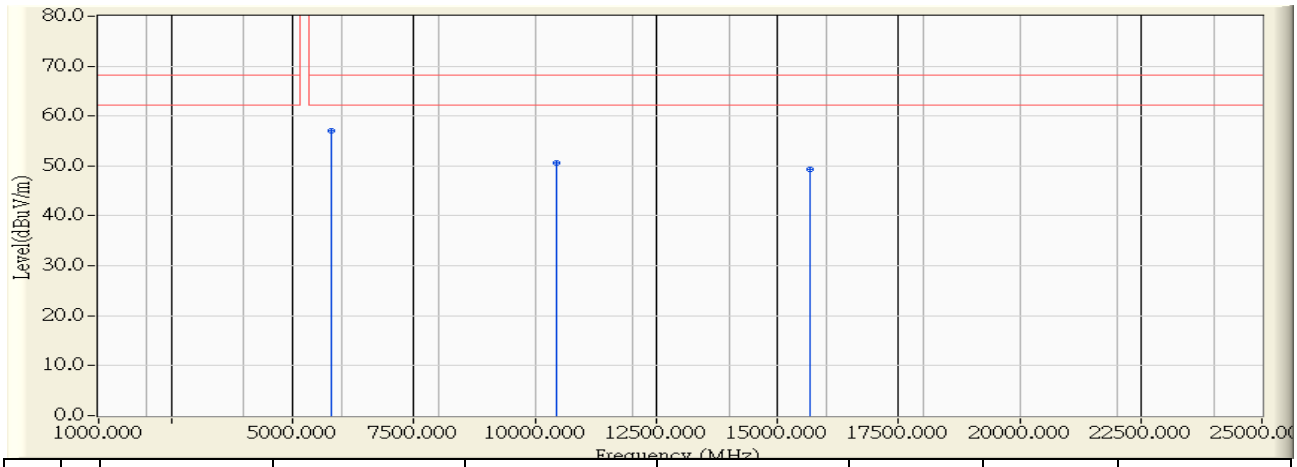


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5788.915	2.443	55.090	57.533	-10.767	68.300	PEAK
2		10453.825	10.054	46.880	56.933	-11.367	68.300	PEAK
3		15683.100	10.912	38.520	49.432	-18.868	68.300	PEAK

Note:

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

Site : CB1	**Time : 2014/07/22 - 17:31**
Limit : FCC_SPARTE_15.407_H_Band1_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode 802.11ac(80M)_5210MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5788.855	2.444	54.550	56.993	-11.307	68.300	PEAK
2		10451.520	10.058	40.640	50.698	-17.602	68.300	PEAK
3		15663.840	10.933	38.380	49.313	-18.987	68.300	PEAK

Note:

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

7. Band Edge

7.1. Test Equipment

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

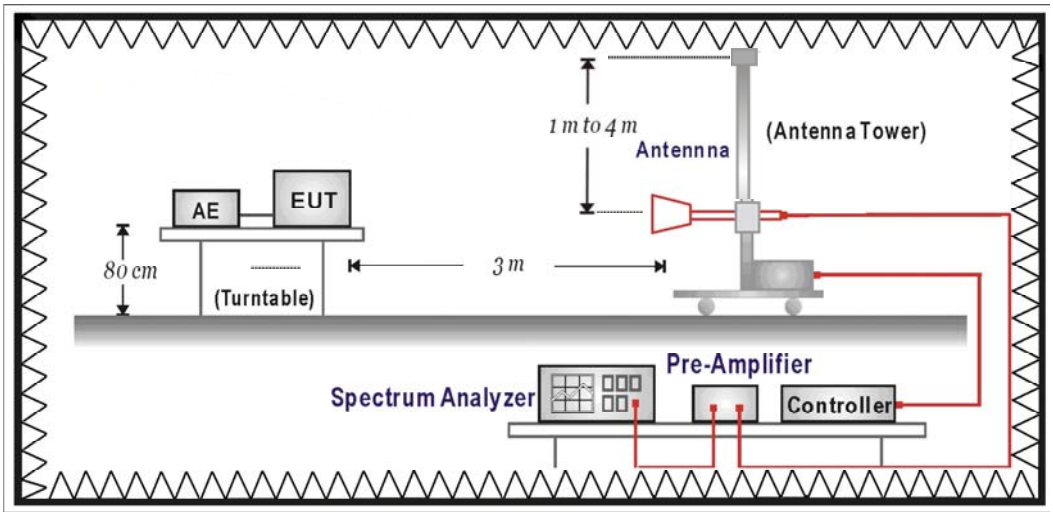
Band Edge / CB1

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Double Ridged Guide Horn Antenna	Schwarzback	BBHA 9120	D743	2015/02/12
Spectrum Analyzer	Agilent	E4440A	MY46187335	2015/01/12
k Type Cable	Huber Suhner	Sucoflex 102	25623/2	2015/02/10

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:

4. RF Voltage (dBuV) = 20 log RF Voltage (uV)
5. In the Above Table, the tighter limit applies at the band edges.
6. 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:

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

7.4. Test Procedure

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

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

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

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

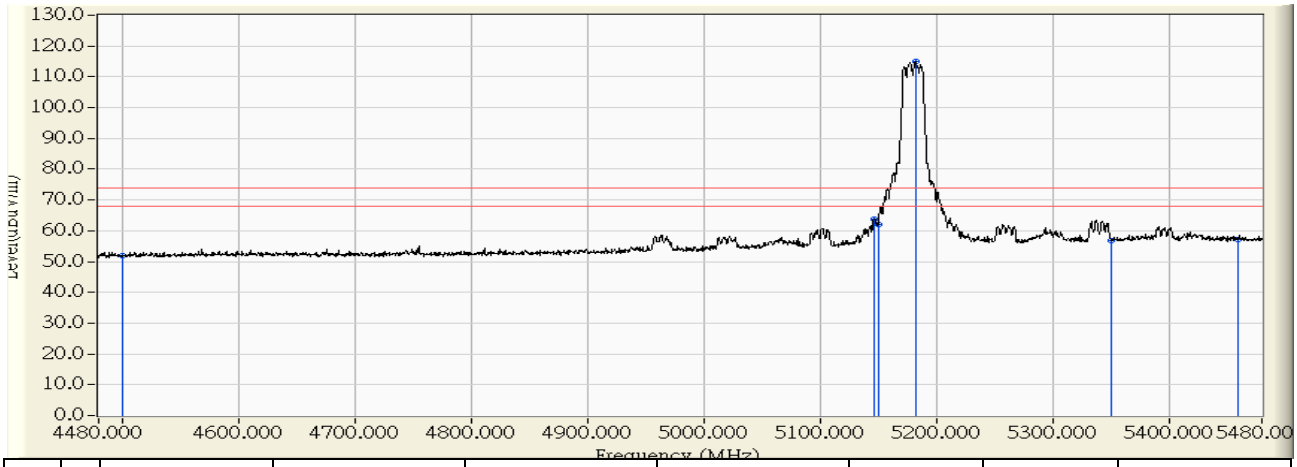
7.5. Uncertainty

The measurement uncertainty is defined as ± 3.65dB

7.6. Test Result

Radiated is defined as

Site : CB1	**Time : 2014/07/20 - 16:42**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode_802.11a_5180MHz**

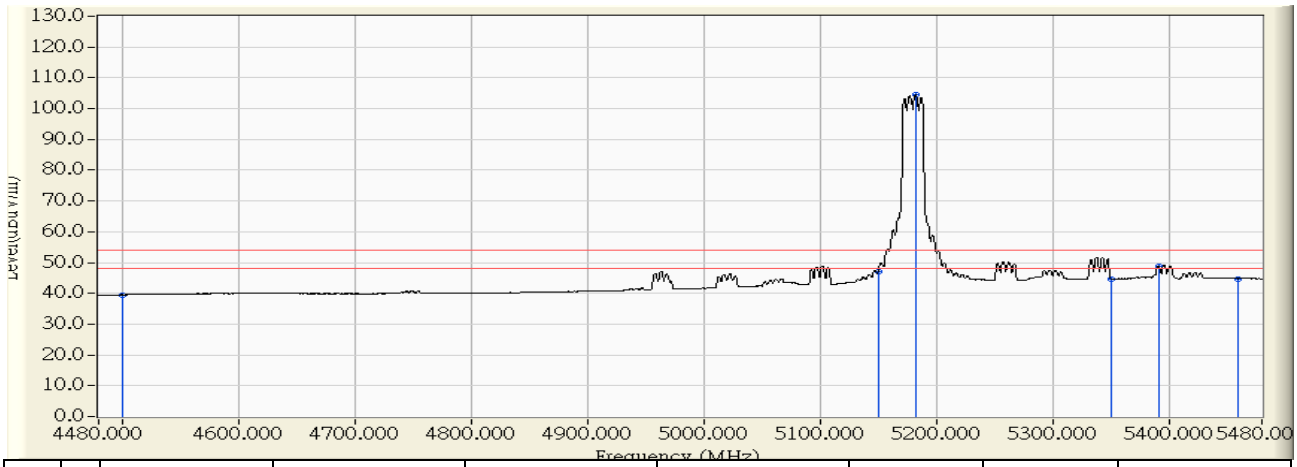


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	53.263	51.939	-22.061	74.000	PEAK
2		5146.500	1.212	62.691	63.903	-10.097	74.000	PEAK
3		5150.000	1.239	60.934	62.173	-11.827	74.000	PEAK
4	*	5182.000	1.487	113.359	114.846	40.846	74.000	PEAK
5		5350.000	2.790	54.162	56.952	-17.048	74.000	PEAK
6		5460.000	3.622	53.532	57.154	-16.846	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 : 2014/07/20 - 16:44**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode_802.11a_5180MHz**

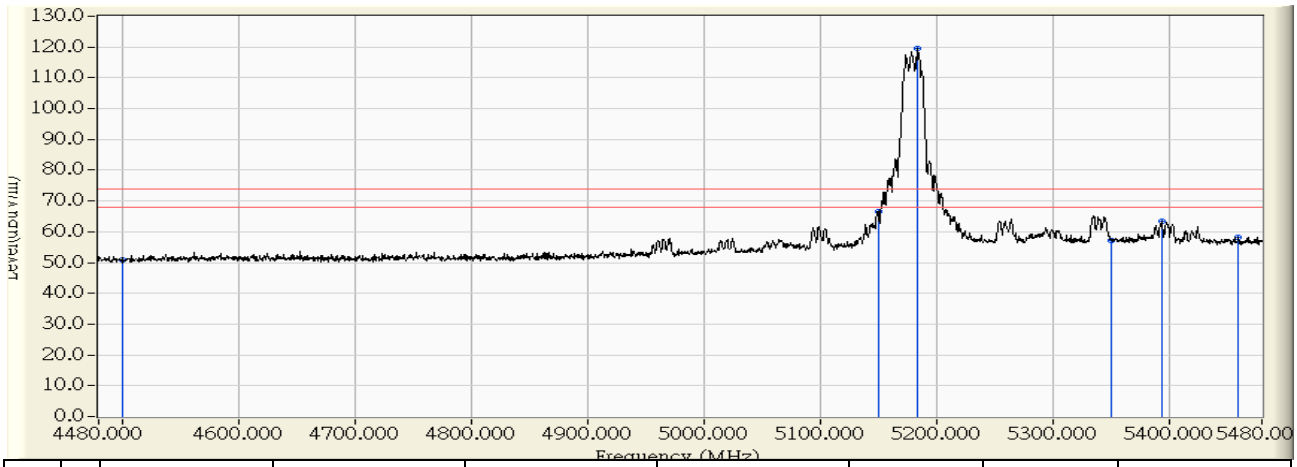


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	40.878	39.554	-14.446	54.000	AVERAGE
2		5150.000	1.239	45.884	47.123	-6.877	54.000	AVERAGE
3	*	5182.000	1.487	103.000	104.487	50.487	54.000	AVERAGE
4		5350.000	2.790	41.941	44.731	-9.269	54.000	AVERAGE
5		5391.000	3.108	45.800	48.908	-5.092	54.000	AVERAGE
6		5460.000	3.622	41.162	44.784	-9.216	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 : 2014/07/20 - 16:35**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode_802.11a_5180MHz**

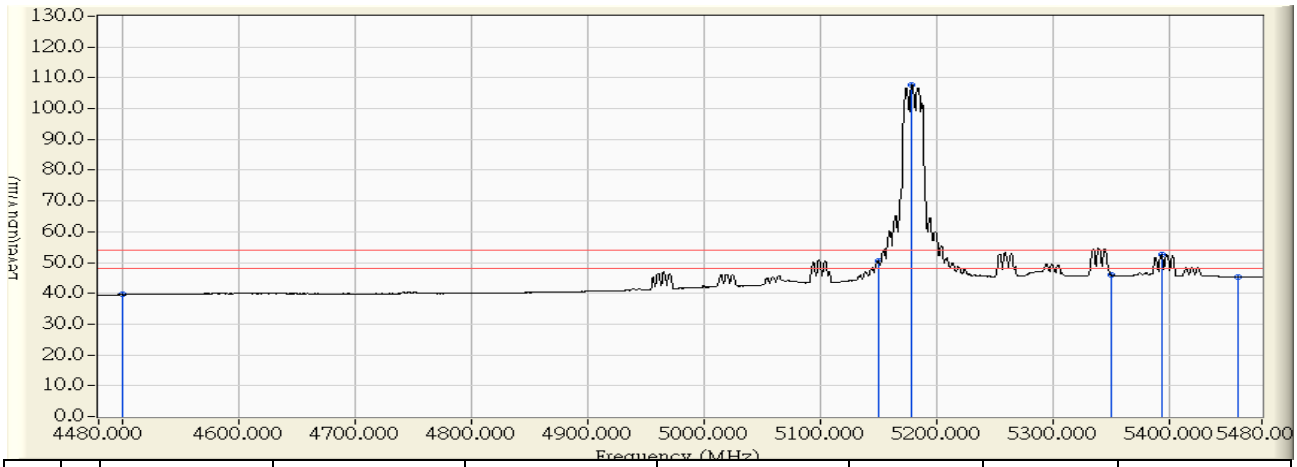


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	52.280	50.956	-23.044	74.000	PEAK
2		5150.000	1.239	65.346	66.585	-7.415	74.000	PEAK
3	*	5184.000	1.502	118.122	119.625	45.625	74.000	PEAK
4		5350.000	2.790	54.486	57.276	-16.724	74.000	PEAK
5		5393.500	3.128	60.255	63.382	-10.618	74.000	PEAK
6		5460.000	3.622	54.469	58.091	-15.909	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 : 2014/07/20 - 16:34**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode_802.11a_5180MHz**

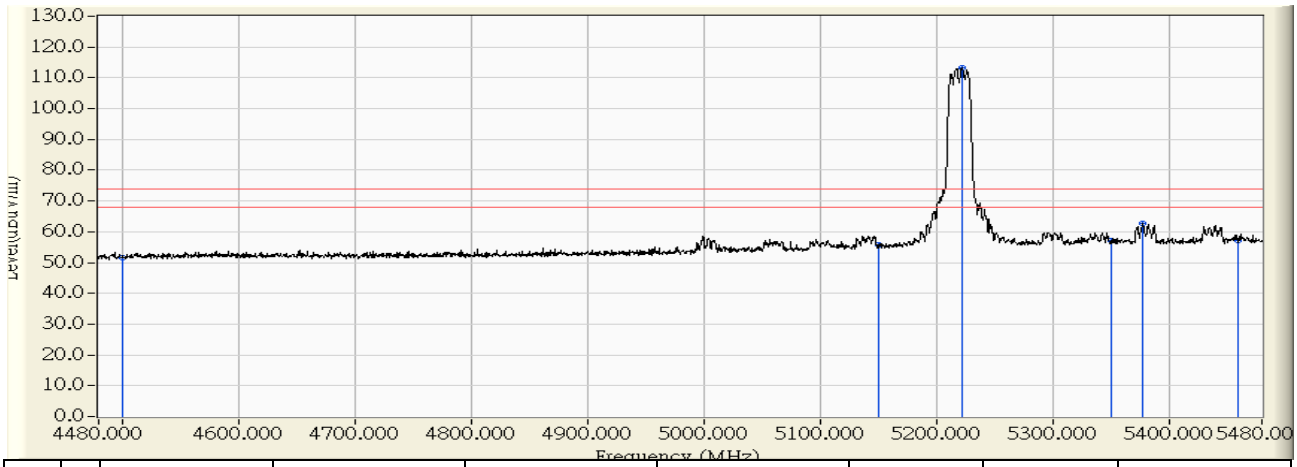


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	40.891	39.567	-14.433	54.000	AVERAGE
2		5150.000	1.239	49.349	50.588	-3.412	54.000	AVERAGE
3	*	5179.000	1.463	106.130	107.594	53.594	54.000	AVERAGE
4		5350.000	2.790	43.054	45.844	-8.156	54.000	AVERAGE
5		5393.500	3.128	49.524	52.651	-1.349	54.000	AVERAGE
6		5460.000	3.622	41.838	45.460	-8.540	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 : 2014/07/20 - 16:54**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode_802.11a_5220MHz**

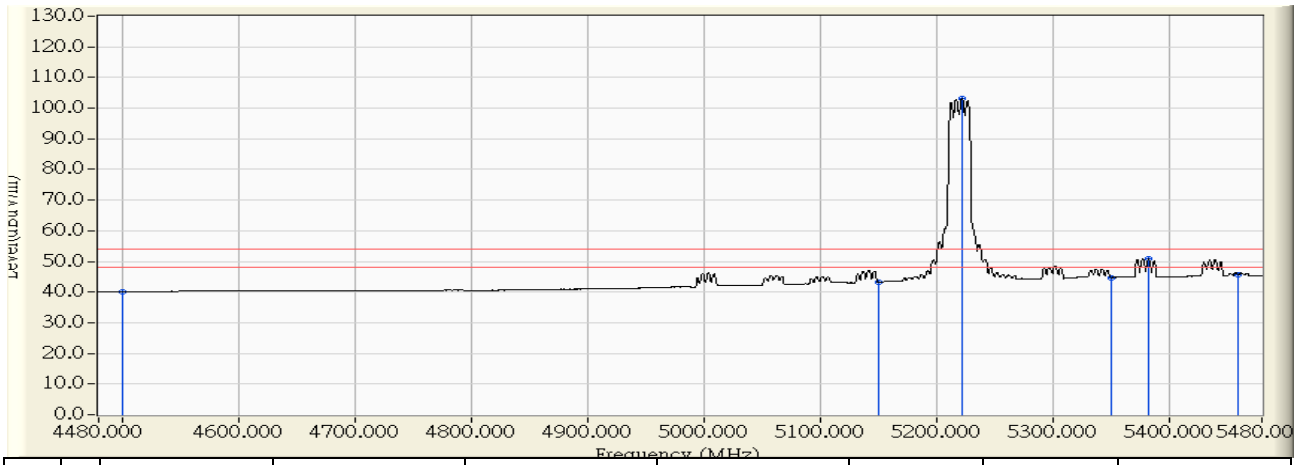


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	52.735	51.411	-22.589	74.000	PEAK
2		5150.000	1.239	54.488	55.727	-18.273	74.000	PEAK
3	*	5222.000	1.797	111.563	113.360	39.360	74.000	PEAK
4		5350.000	2.790	54.216	57.006	-16.994	74.000	PEAK
5		5378.000	3.008	59.900	62.907	-11.093	74.000	PEAK
6		5460.000	3.622	53.579	57.201	-16.799	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 : 2014/07/20 - 16:55**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode_802.11a_5220MHz**

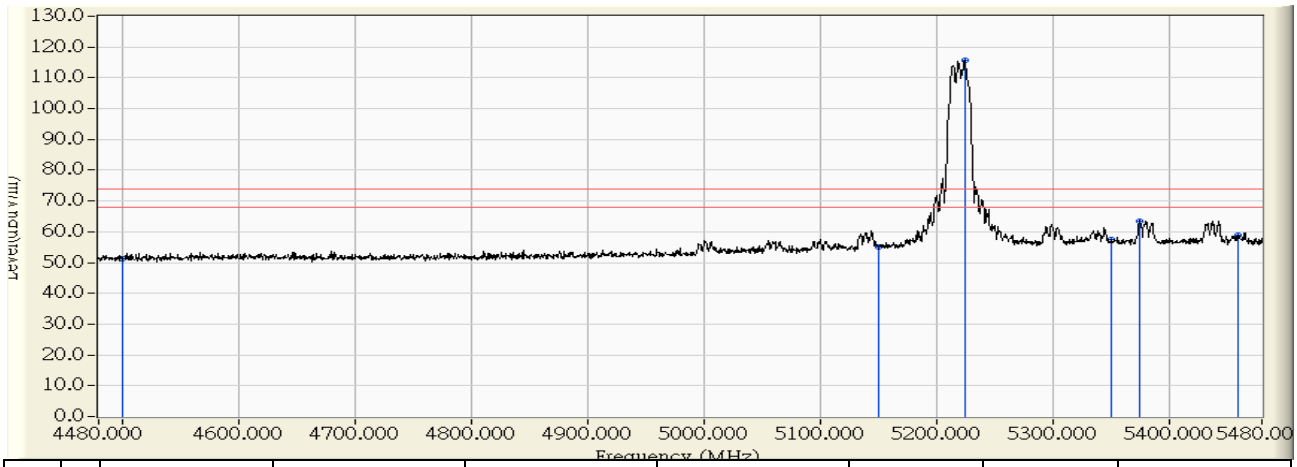


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	41.365	40.041	-13.959	54.000	AVERAGE
2		5150.000	1.239	42.039	43.278	-10.722	54.000	AVERAGE
3	*	5222.000	1.797	101.254	103.051	49.051	54.000	AVERAGE
4		5350.000	2.790	41.980	44.770	-9.230	54.000	AVERAGE
5		5382.500	3.042	47.676	50.718	-3.282	54.000	AVERAGE
6		5460.000	3.622	41.892	45.514	-8.486	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 : 2014/07/20 - 16:51**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode_802.11a_5220MHz**

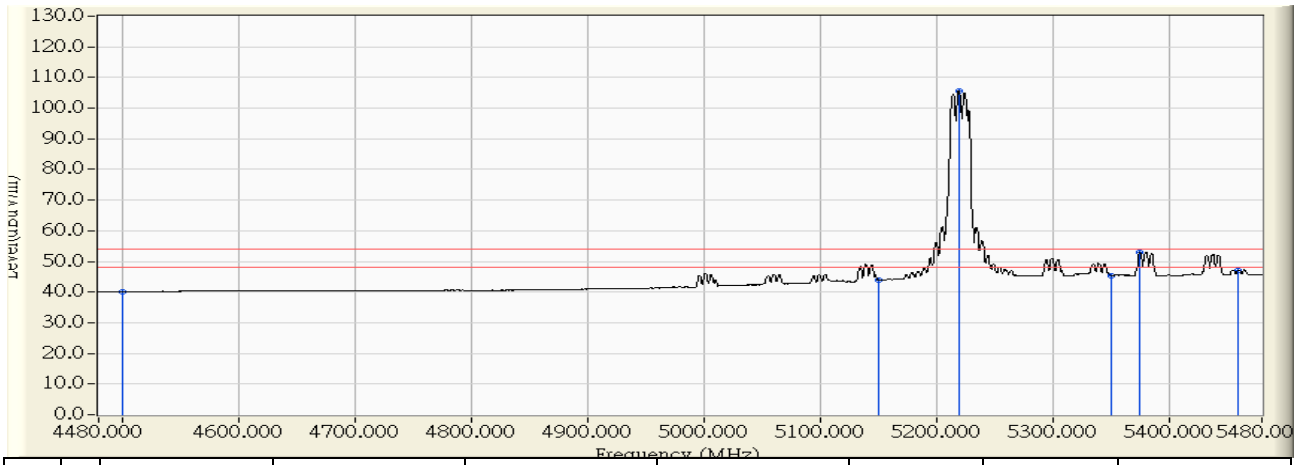


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	52.387	51.063	-22.937	74.000	PEAK
2		5150.000	1.239	53.986	55.225	-18.775	74.000	PEAK
3	*	5224.500	1.817	113.832	115.649	41.649	74.000	PEAK
4		5350.000	2.790	54.676	57.466	-16.534	74.000	PEAK
5		5374.500	2.980	60.326	63.306	-10.694	74.000	PEAK
6		5460.000	3.622	55.383	59.005	-14.995	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 : 2014/07/20 - 16:50**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode_802.11a_5220MHz**

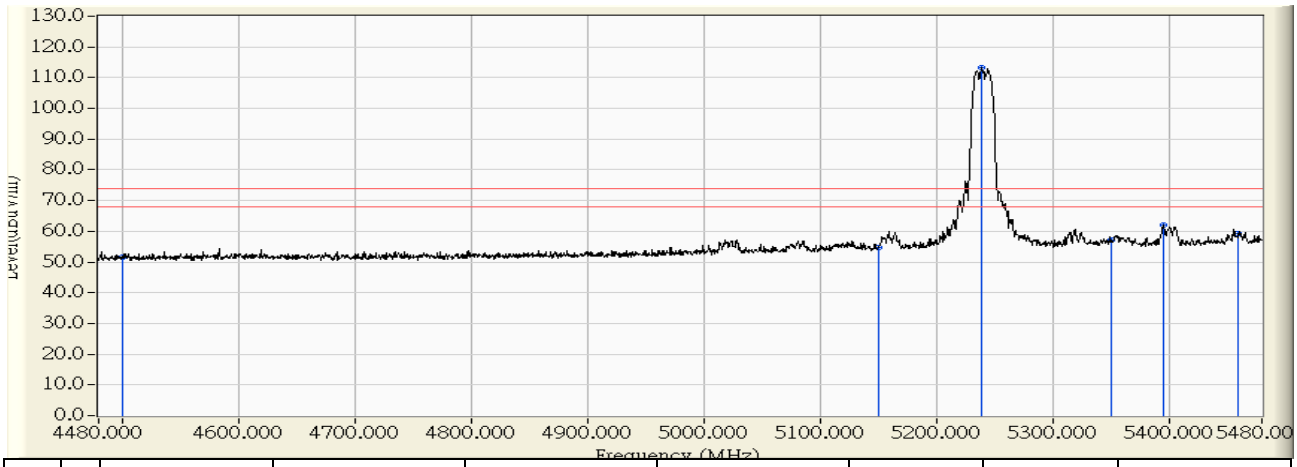


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	41.360	40.036	-13.964	54.000	AVERAGE
2		5150.000	1.239	42.609	43.848	-10.152	54.000	AVERAGE
3	*	5219.500	1.778	103.721	105.499	51.499	54.000	AVERAGE
4		5350.000	2.790	42.678	45.468	-8.532	54.000	AVERAGE
5		5375.000	2.984	49.915	52.899	-1.101	54.000	AVERAGE
6		5460.000	3.622	43.506	47.128	-6.872	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/07/20 - 17:10**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode_802.11a_5240MHz**

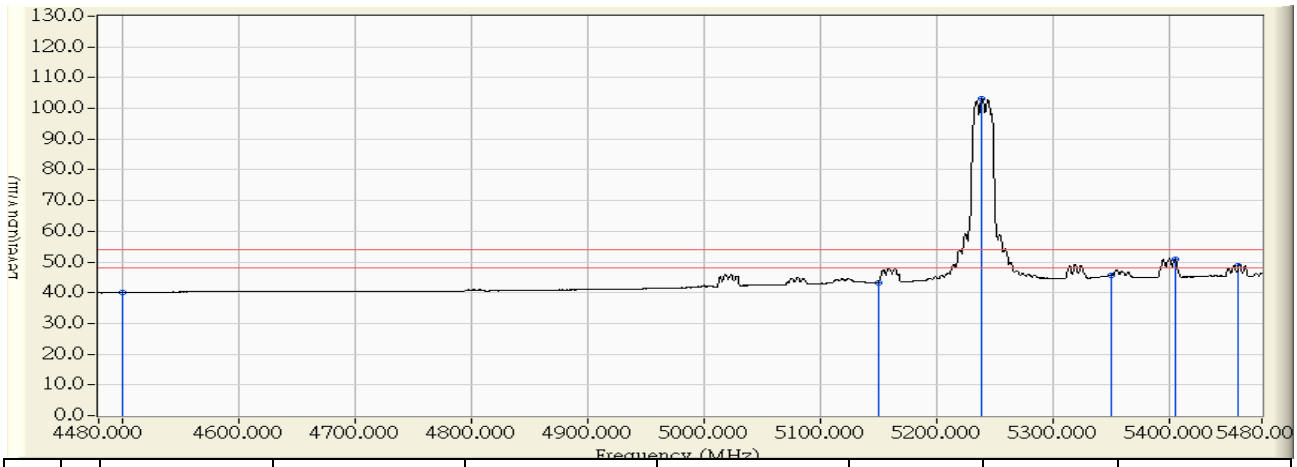


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	53.021	51.697	-22.303	74.000	PEAK
2		5150.000	1.239	53.375	54.614	-19.386	74.000	PEAK
3	*	5239.500	1.933	111.171	113.104	39.104	74.000	PEAK
4		5350.000	2.790	54.304	57.094	-16.906	74.000	PEAK
5		5395.000	3.139	58.805	61.944	-12.056	74.000	PEAK
6		5460.000	3.622	55.578	59.200	-14.800	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 : 2014/07/20 - 17:12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode_802.11a_5240MHz**

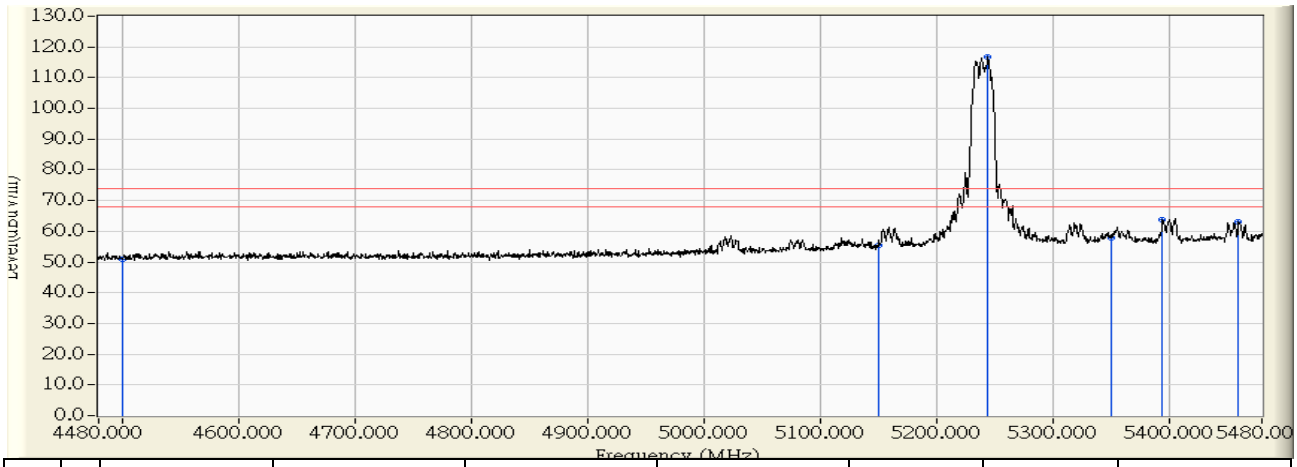


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	41.375	40.051	-13.949	54.000	AVERAGE
2		5150.000	1.239	42.018	43.257	-10.743	54.000	AVERAGE
3	*	5239.500	1.933	101.335	103.268	49.268	54.000	AVERAGE
4		5350.000	2.790	42.801	45.591	-8.409	54.000	AVERAGE
5		5405.000	3.217	47.703	50.919	-3.081	54.000	AVERAGE
6		5460.000	3.622	45.124	48.746	-5.254	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 : 2014/07/20 - 17:04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode_802.11a_5240MHz**

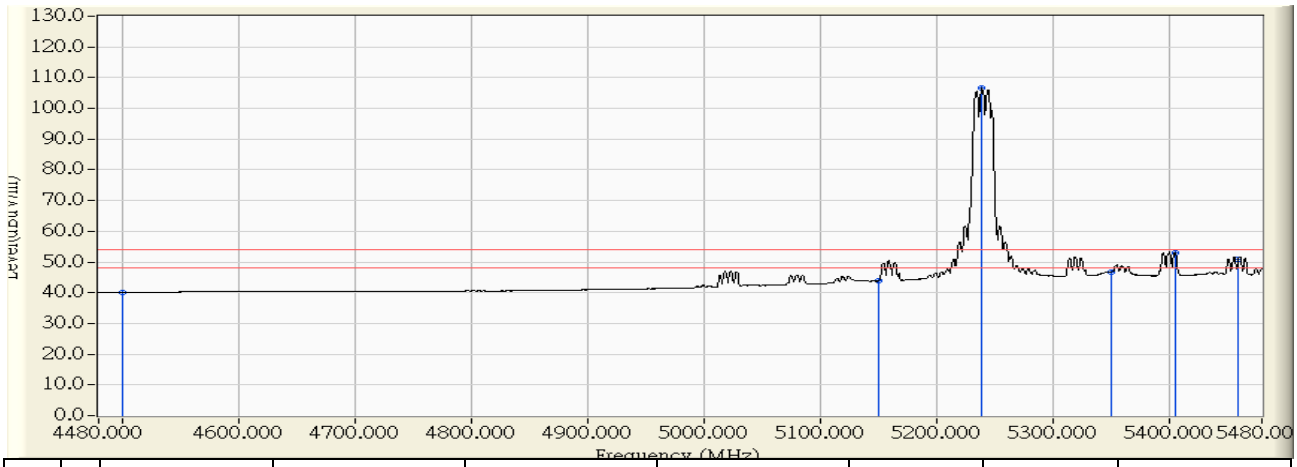


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	52.333	51.009	-22.991	74.000	PEAK
2		5150.000	1.239	54.305	55.544	-18.456	74.000	PEAK
3	*	5244.500	1.972	114.891	116.863	42.863	74.000	PEAK
4		5350.000	2.790	55.040	57.830	-16.170	74.000	PEAK
5		5394.500	3.135	60.529	63.664	-10.336	74.000	PEAK
6		5460.000	3.622	59.549	63.171	-10.829	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 : 2014/07/20 - 17:03**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode_802.11a_5240MHz**

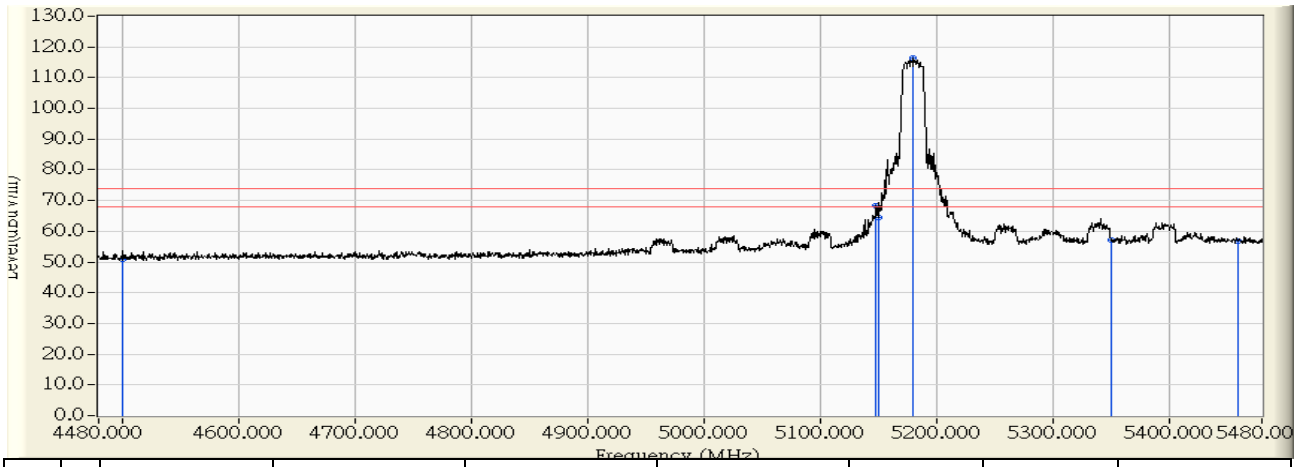


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	41.360	40.036	-13.964	54.000	AVERAGE
2		5150.000	1.239	42.590	43.829	-10.171	54.000	AVERAGE
3	*	5239.500	1.933	104.664	106.597	52.597	54.000	AVERAGE
4		5350.000	2.790	43.972	46.762	-7.238	54.000	AVERAGE
5		5405.000	3.217	49.798	53.014	-0.986	54.000	AVERAGE
6		5460.000	3.622	47.406	51.028	-2.972	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 : 2014/07/20 - 17:30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode_802.11n(20M)_5180MHz**

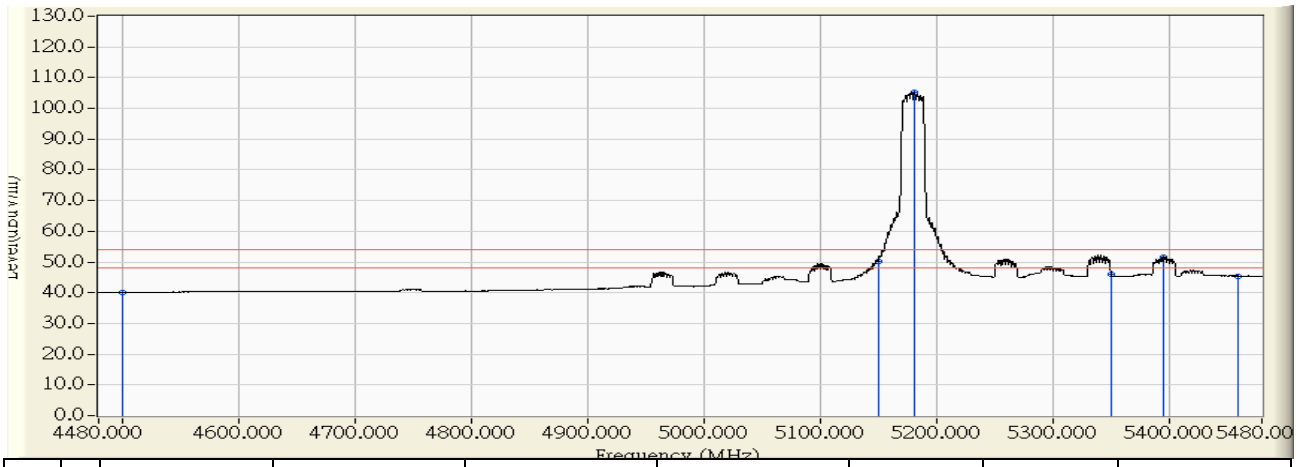


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	52.366	51.042	-22.958	74.000	PEAK
2		5148.500	1.227	67.058	68.285	-5.715	74.000	PEAK
3		5150.000	1.239	63.323	64.562	-9.438	74.000	PEAK
4	*	5180.500	1.475	114.915	116.391	42.391	74.000	PEAK
5		5350.000	2.790	54.291	57.081	-16.919	74.000	PEAK
6		5460.000	3.622	53.041	56.663	-17.337	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 : 2014/07/20 - 17:32**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode_802.11n(20M)_5180MHz**

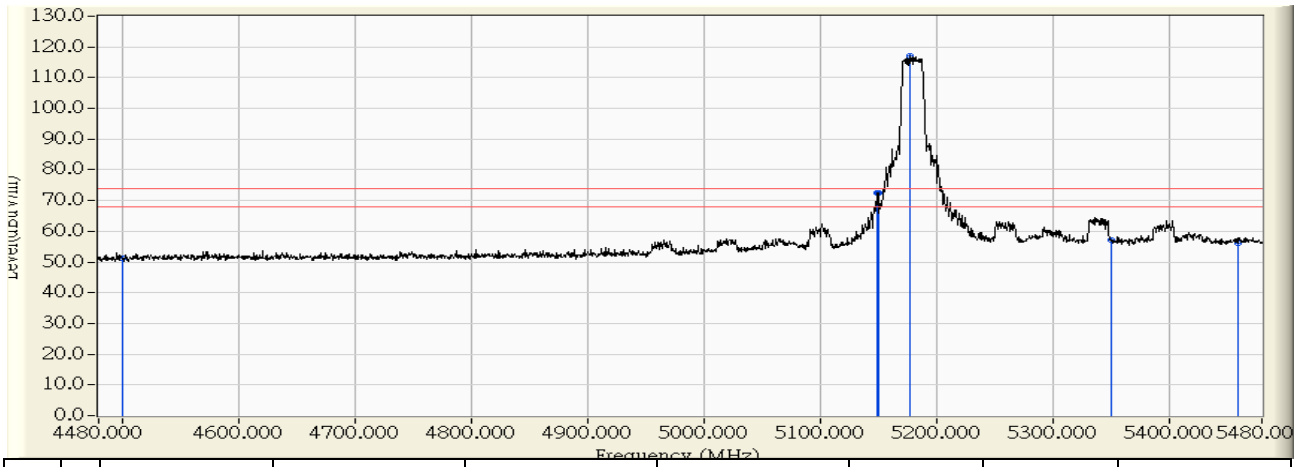


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	41.349	40.025	-13.975	54.000	AVERAGE
2		5150.000	1.239	48.801	50.040	-3.960	54.000	AVERAGE
3	*	5181.000	1.479	103.884	105.363	51.363	54.000	AVERAGE
4		5350.000	2.790	43.265	46.055	-7.945	54.000	AVERAGE
5		5395.000	3.139	48.270	51.409	-2.591	54.000	AVERAGE
6		5460.000	3.622	41.849	45.471	-8.529	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 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 : 2014/07/20 - 17:22**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode_802.11n(20M)_5180MHz**

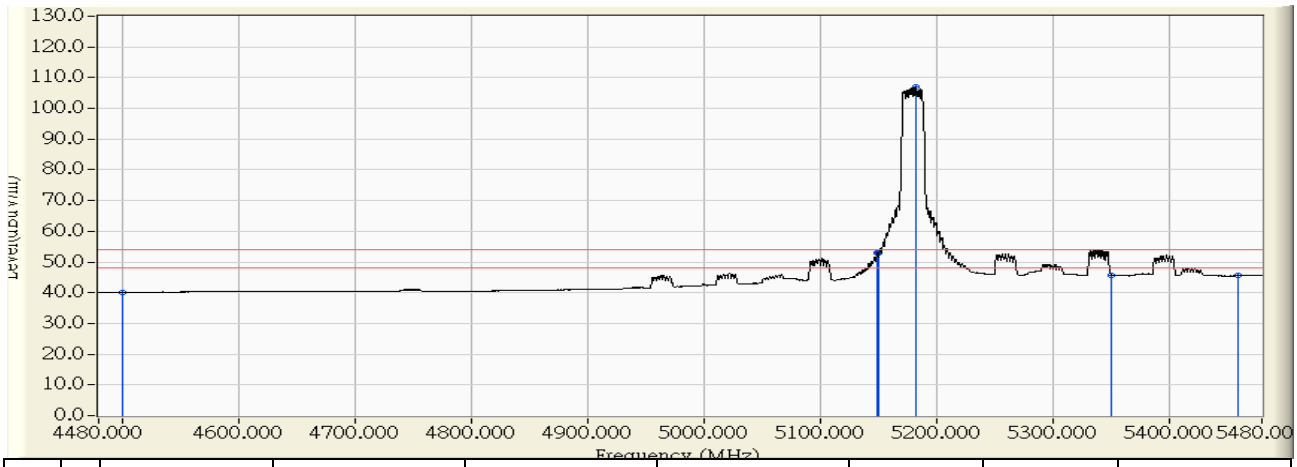


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	52.421	51.097	-22.903	74.000	PEAK
2		5149.000	1.231	71.243	72.474	-1.526	74.000	PEAK
3		5150.000	1.239	71.224	72.463	-1.537	74.000	PEAK
4	*	5177.500	1.453	115.662	117.114	43.114	74.000	PEAK
5		5350.000	2.790	54.365	57.155	-16.845	74.000	PEAK
6		5460.000	3.622	52.639	56.261	-17.739	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 : 2014/07/20 - 17:21**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode_802.11n(20M)_5180MHz**

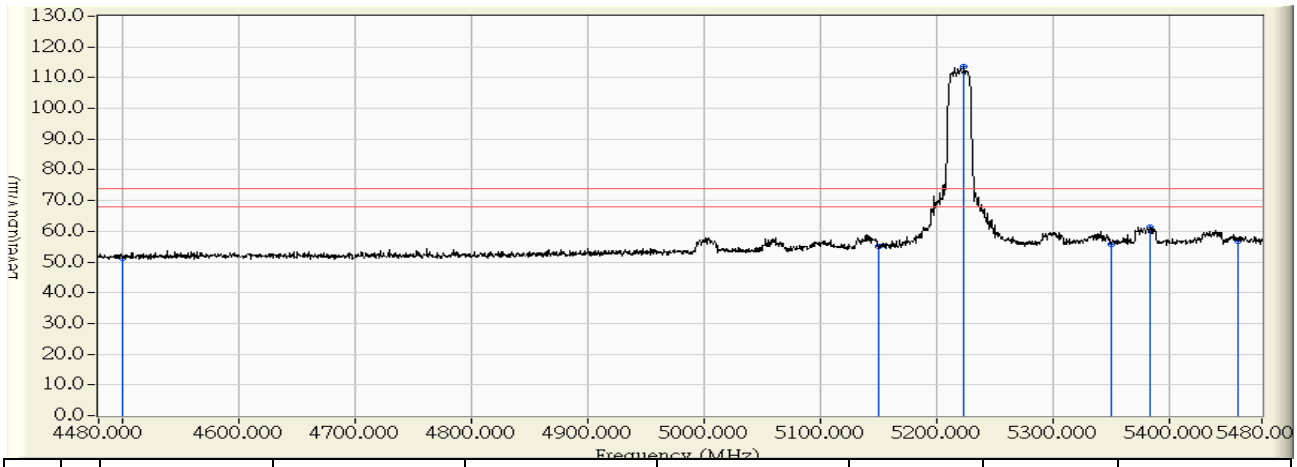


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	41.377	40.053	-13.947	54.000	PEAK
2		5149.500	1.235	51.744	52.979	-1.021	54.000	PEAK
3		5150.000	1.239	51.788	53.027	-0.973	54.000	PEAK
4	*	5182.000	1.487	105.389	106.876	52.876	54.000	PEAK
5		5350.000	2.790	43.006	45.796	-8.204	54.000	PEAK
6		5460.000	3.622	41.888	45.510	-8.490	54.000	PEAK

Note:

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

Site : CB1	**Time : 2014/07/20 - 17:53**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode_802.11n(20M)_5220MHz**

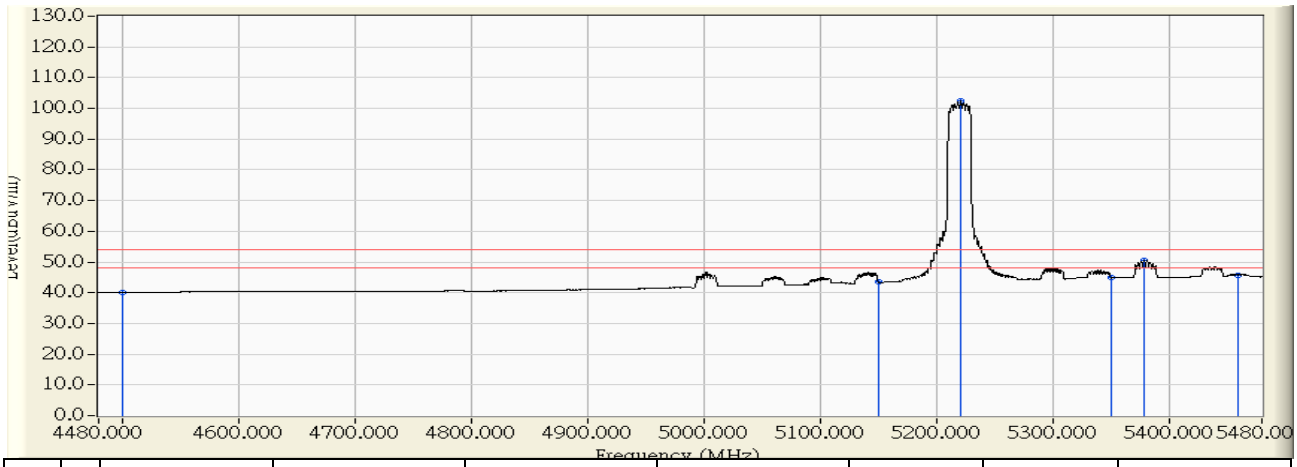


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	52.511	51.187	-22.813	74.000	PEAK
2		5150.000	1.239	53.677	54.916	-19.084	74.000	PEAK
3	*	5223.500	1.810	111.672	113.481	39.481	74.000	PEAK
4		5350.000	2.790	53.036	55.826	-18.174	74.000	PEAK
5		5383.500	3.051	58.392	61.442	-12.558	74.000	PEAK
6		5460.000	3.622	53.074	56.696	-17.304	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/07/20 - 17:54**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode_802.11n(20M)_5220MHz**

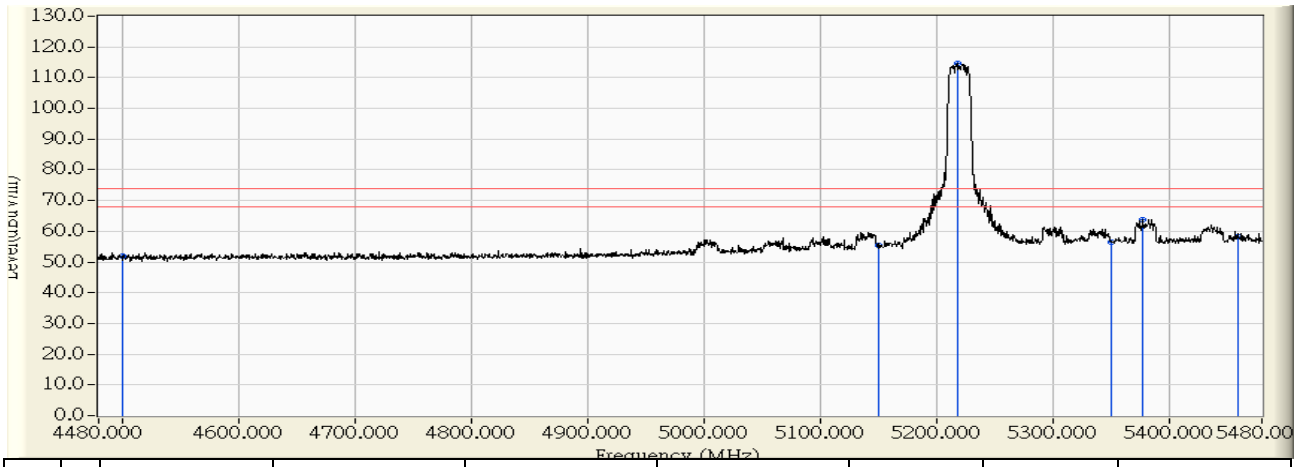


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	41.397	40.073	-13.927	54.000	AVERAGE
2		5150.000	1.239	42.253	43.492	-10.508	54.000	AVERAGE
3	*	5221.000	1.790	100.580	102.370	48.370	54.000	AVERAGE
4		5350.000	2.790	42.093	44.883	-9.117	54.000	AVERAGE
5		5378.500	3.011	47.447	50.458	-3.542	54.000	AVERAGE
6		5460.000	3.622	42.066	45.688	-8.312	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 : 2014/07/20 - 17:48**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode_802.11n(20M)_5220MHz**

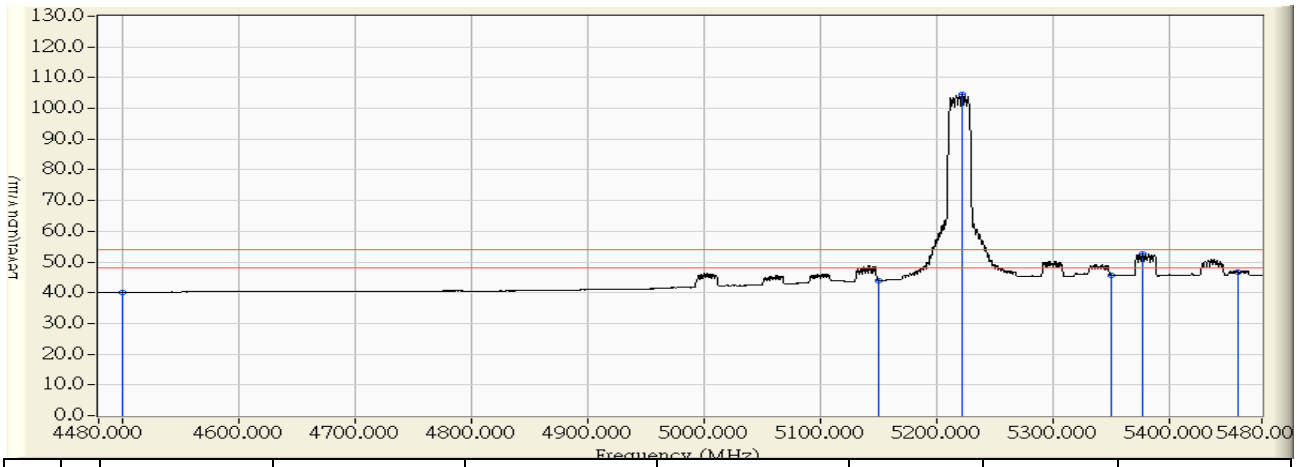


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	53.157	51.833	-22.167	74.000	PEAK
2		5150.000	1.239	54.100	55.339	-18.661	74.000	PEAK
3	*	5218.000	1.767	112.815	114.581	40.581	74.000	PEAK
4		5350.000	2.790	53.592	56.382	-17.618	74.000	PEAK
5		5378.000	3.008	60.805	63.812	-10.188	74.000	PEAK
6		5460.000	3.622	54.620	58.242	-15.758	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 : 2014/07/20 - 17:44**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode_802.11n(20M)_5220MHz**

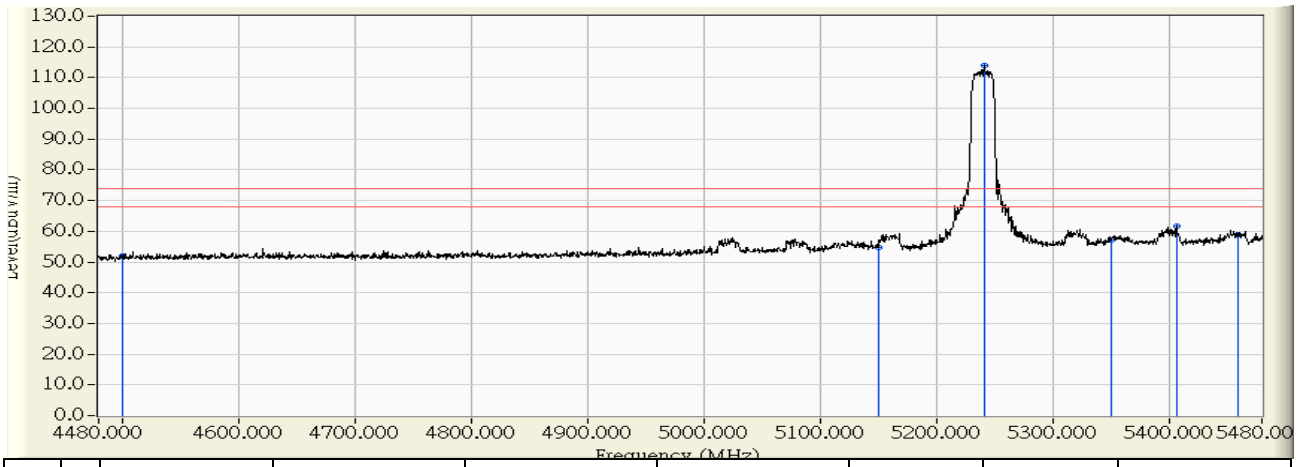


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	41.340	40.016	-13.984	54.000	AVERAGE
2		5150.000	1.239	42.604	43.843	-10.157	54.000	AVERAGE
3	*	5222.500	1.801	102.593	104.394	50.394	54.000	AVERAGE
4		5350.000	2.790	42.763	45.553	-8.447	54.000	AVERAGE
5		5377.500	3.003	49.797	52.800	-1.200	54.000	AVERAGE
6		5460.000	3.622	43.227	46.849	-7.151	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 : 2014/07/20 - 18:10**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode_802.11n(20M)_5240MHz**

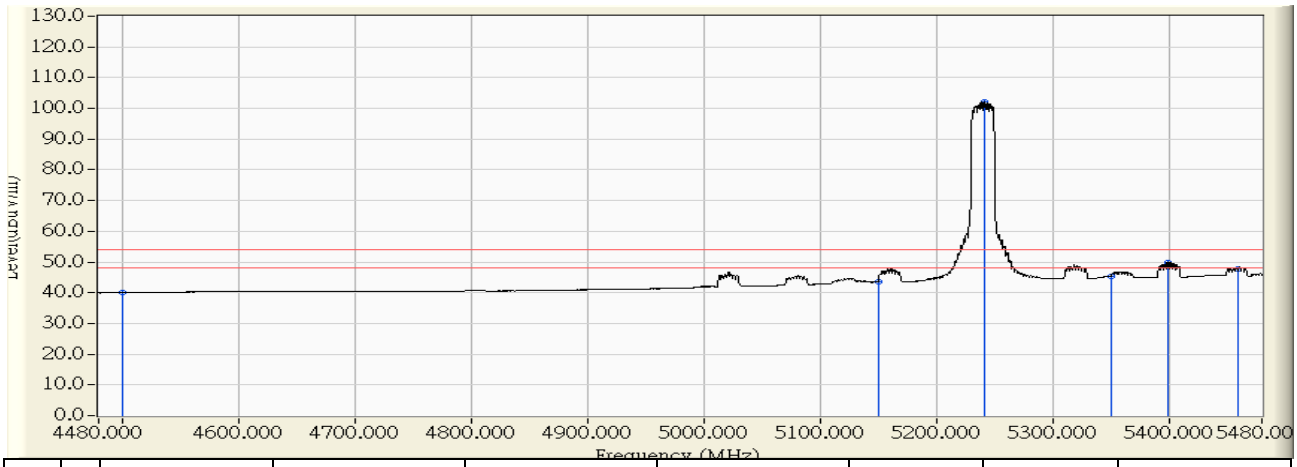


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	53.237	51.913	-22.087	74.000	PEAK
2		5150.000	1.239	53.551	54.790	-19.210	74.000	PEAK
3	*	5241.000	1.945	111.886	113.831	39.831	74.000	PEAK
4		5350.000	2.790	54.538	57.328	-16.672	74.000	PEAK
5		5406.500	3.228	58.398	61.626	-12.374	74.000	PEAK
6		5460.000	3.622	55.112	58.734	-15.266	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 : 2014/07/20 - 18:12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode_802.11n(20M)_5240MHz**

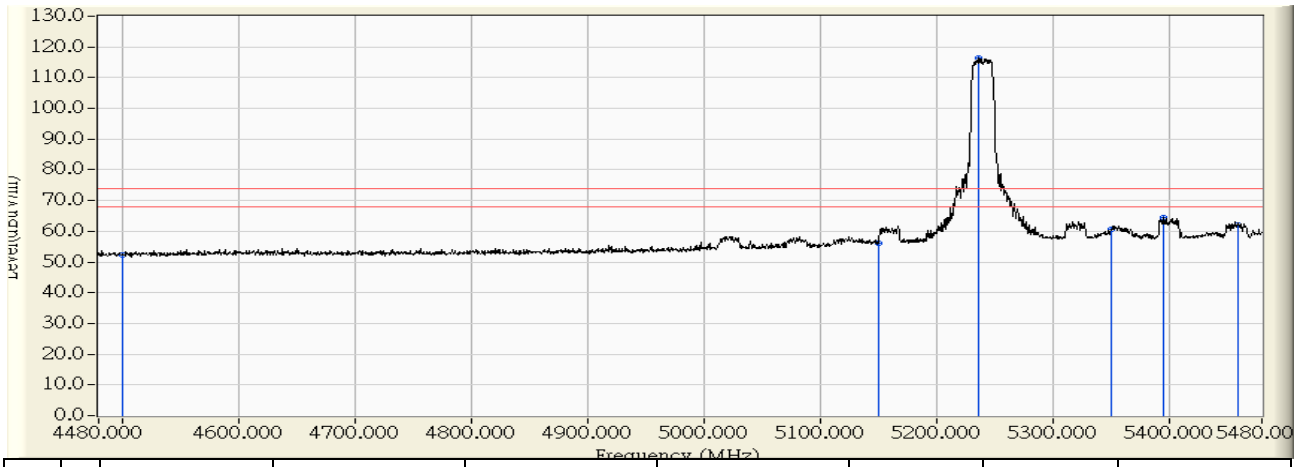


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	41.326	40.002	-13.998	54.000	AVERAGE
2		5150.000	1.239	42.254	43.493	-10.507	54.000	AVERAGE
3	*	5241.000	1.945	100.291	102.236	48.236	54.000	AVERAGE
4		5350.000	2.790	42.678	45.468	-8.532	54.000	AVERAGE
5		5399.000	3.169	46.582	49.752	-4.248	54.000	AVERAGE
6		5460.000	3.622	44.090	47.712	-6.288	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 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 : 2014/07/20 - 18:05**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode_802.11n(20M)_5240MHz**

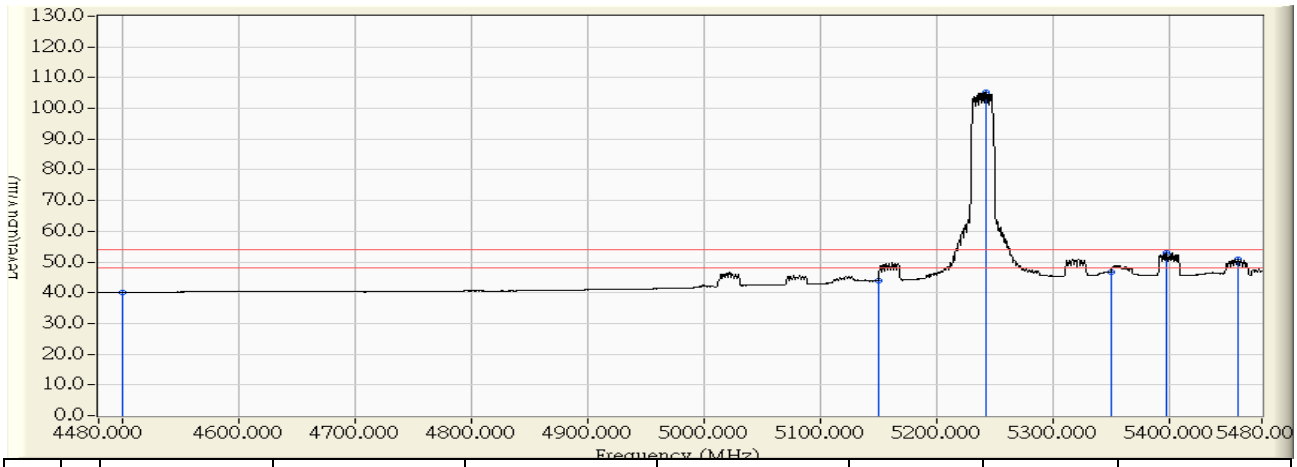


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	53.506	52.182	-21.818	74.000	PEAK
2		5150.000	1.239	54.965	56.204	-17.796	74.000	PEAK
3	*	5237.000	1.914	114.546	116.460	42.460	74.000	PEAK
4		5350.000	2.790	57.691	60.481	-13.519	74.000	PEAK
5		5395.500	3.142	61.245	64.388	-9.612	74.000	PEAK
6		5460.000	3.622	58.574	62.196	-11.804	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 : 2014/07/20 - 17:59**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode_802.11n(20M)_5240MHz**

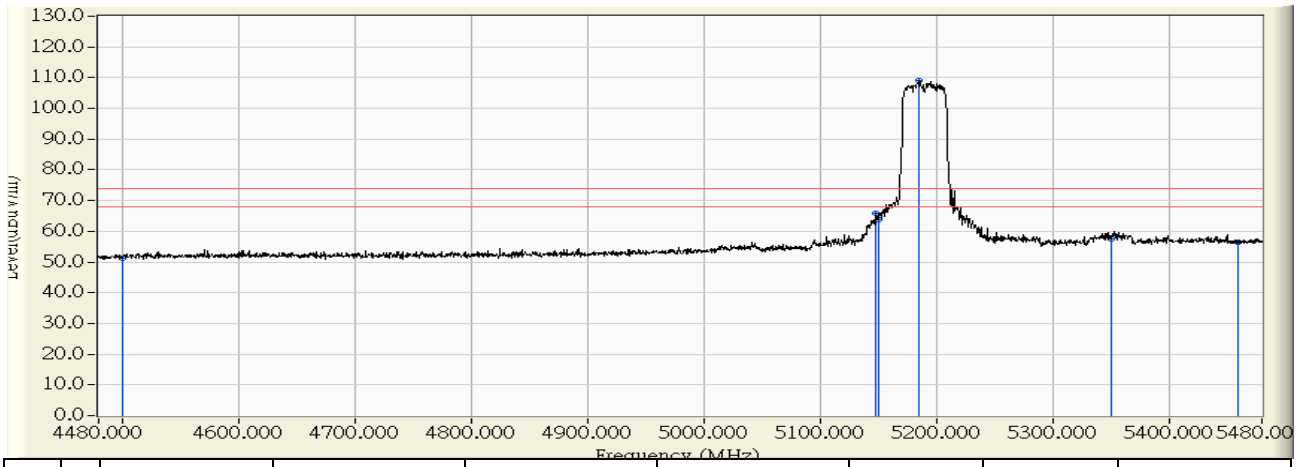


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	41.333	40.009	-13.991	54.000	AVERAGE
2		5150.000	1.239	42.604	43.843	-10.157	54.000	AVERAGE
3	*	5242.500	1.957	103.307	105.263	51.263	54.000	AVERAGE
4		5350.000	2.790	44.059	46.849	-7.151	54.000	AVERAGE
5		5397.500	3.158	49.669	52.827	-1.173	54.000	AVERAGE
6		5460.000	3.622	47.411	51.033	-2.967	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 : 2014/07/20 - 18:21**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode_802.11n(40M)_5190MHz**

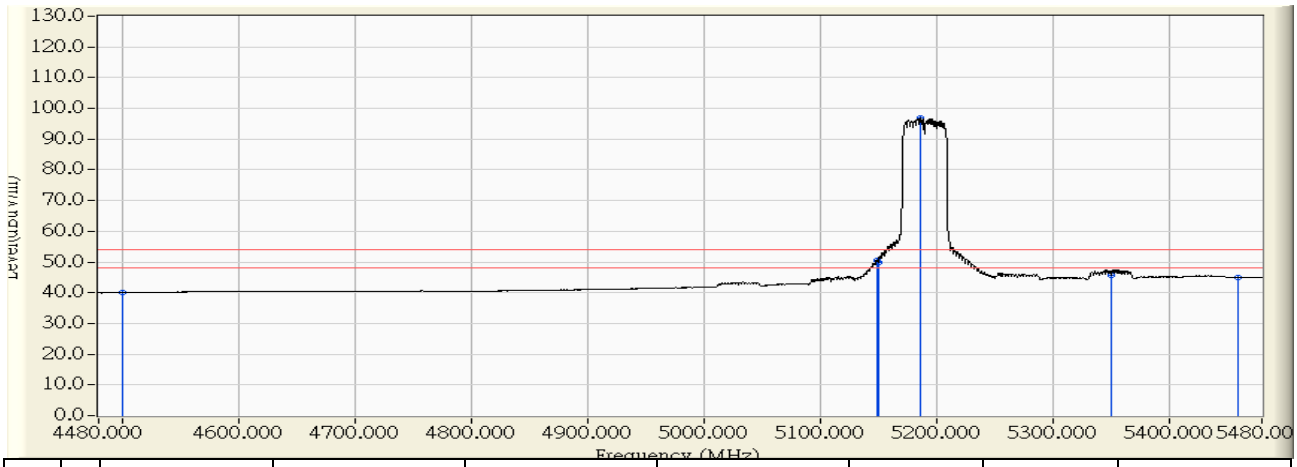


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	52.518	51.194	-22.806	74.000	PEAK
2		5148.500	1.227	64.787	66.014	-7.986	74.000	PEAK
3		5150.000	1.239	62.386	63.625	-10.375	74.000	PEAK
4	*	5184.500	1.506	107.615	109.122	35.122	74.000	PEAK
5		5350.000	2.790	54.560	57.350	-16.650	74.000	PEAK
6		5460.000	3.622	52.879	56.501	-17.499	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 : 2014/07/20 - 18:23**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode_802.11n(40M)_5190MHz**

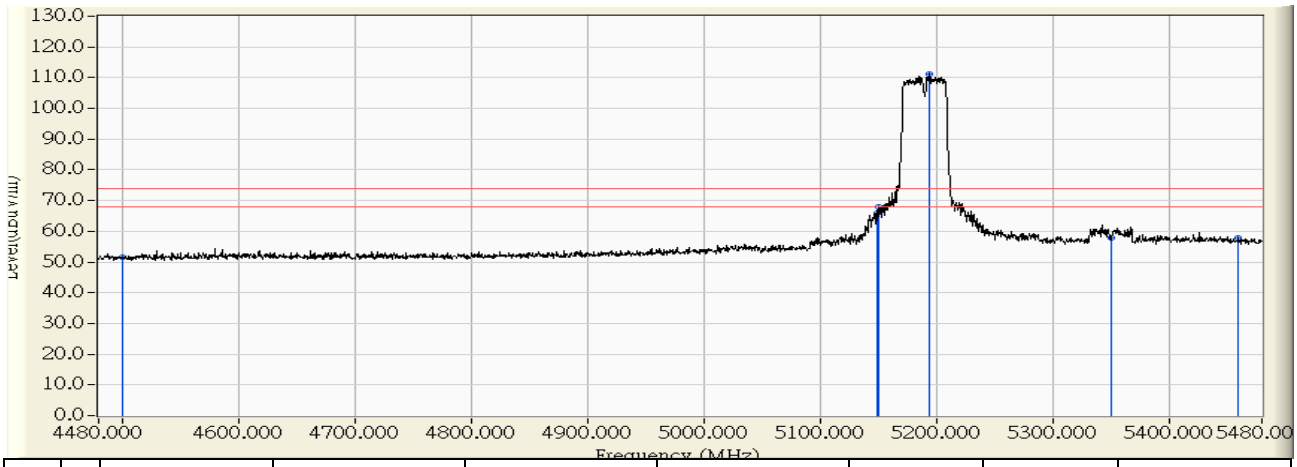


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	41.367	40.043	-13.957	54.000	AVERAGE
2		5149.000	1.231	49.402	50.633	-3.367	54.000	AVERAGE
3		5150.000	1.239	48.736	49.975	-4.025	54.000	AVERAGE
4	*	5186.000	1.518	95.436	96.954	42.954	54.000	AVERAGE
5		5350.000	2.790	42.931	45.721	-8.279	54.000	AVERAGE
6		5460.000	3.622	41.457	45.079	-8.921	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 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 : 2014/07/20 - 18:18**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode_802.11n(40M)_5190MHz**

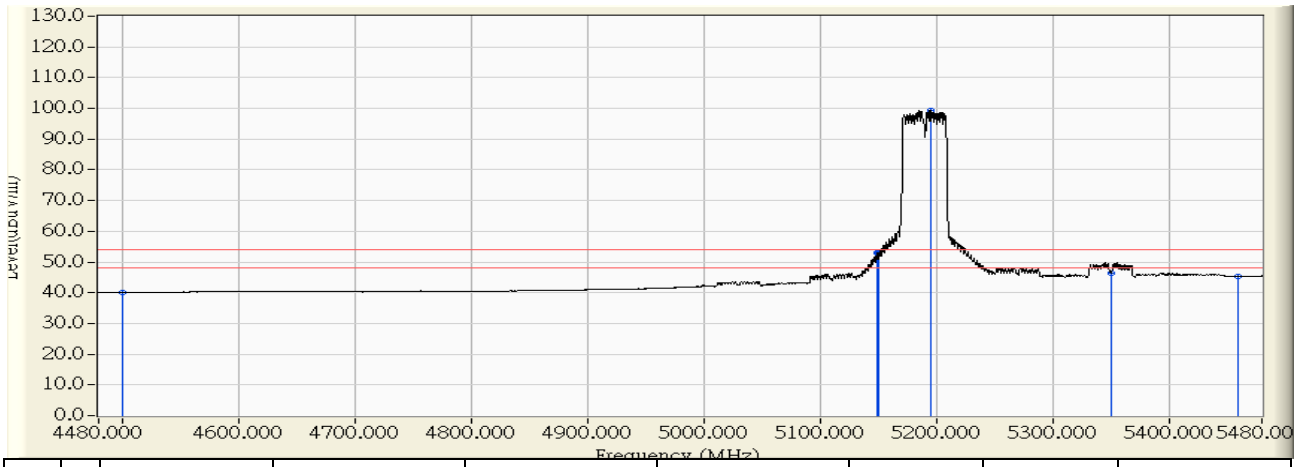


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	52.837	51.513	-22.487	74.000	PEAK
2		5149.500	1.235	64.744	65.979	-8.021	74.000	PEAK
3		5150.000	1.239	66.693	67.932	-6.068	74.000	PEAK
4	*	5194.500	1.584	109.650	111.234	37.234	74.000	PEAK
5		5350.000	2.790	55.087	57.877	-16.123	74.000	PEAK
6		5460.000	3.622	54.069	57.691	-16.309	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 : 2014/07/20 - 18:17**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode_802.11n(40M)_5190MHz**

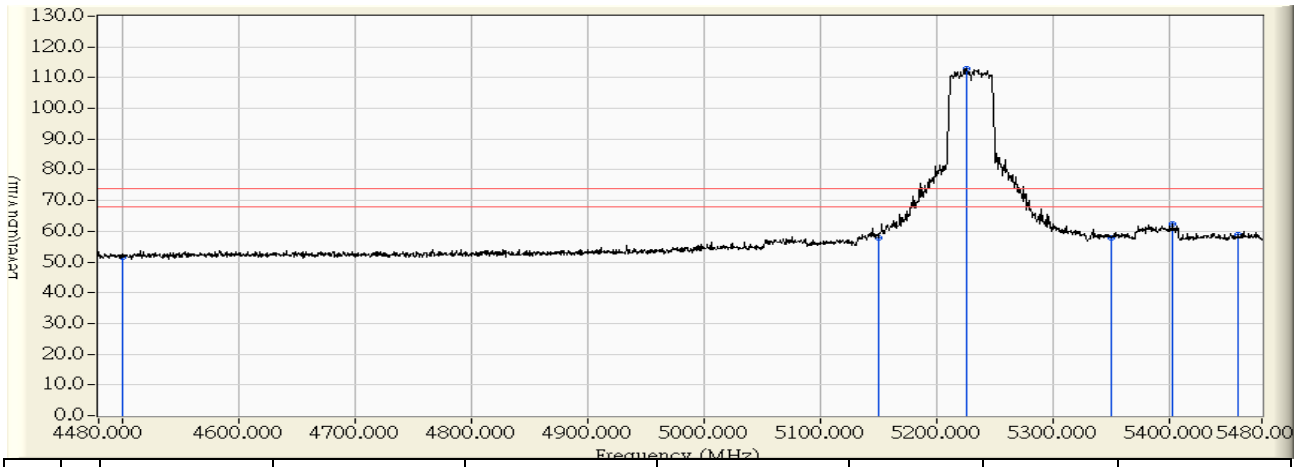


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	41.338	40.014	-13.986	54.000	AVERAGE
2		5149.500	1.235	51.624	52.859	-1.141	54.000	AVERAGE
3		5150.000	1.239	51.712	52.951	-1.049	54.000	AVERAGE
4	*	5195.000	1.588	97.857	99.445	45.445	54.000	AVERAGE
5		5350.000	2.790	43.595	46.385	-7.615	54.000	AVERAGE
6		5460.000	3.622	41.695	45.317	-8.683	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 : 2014/07/20 - 18:31**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode_802.11n(40M)_5230MHz**

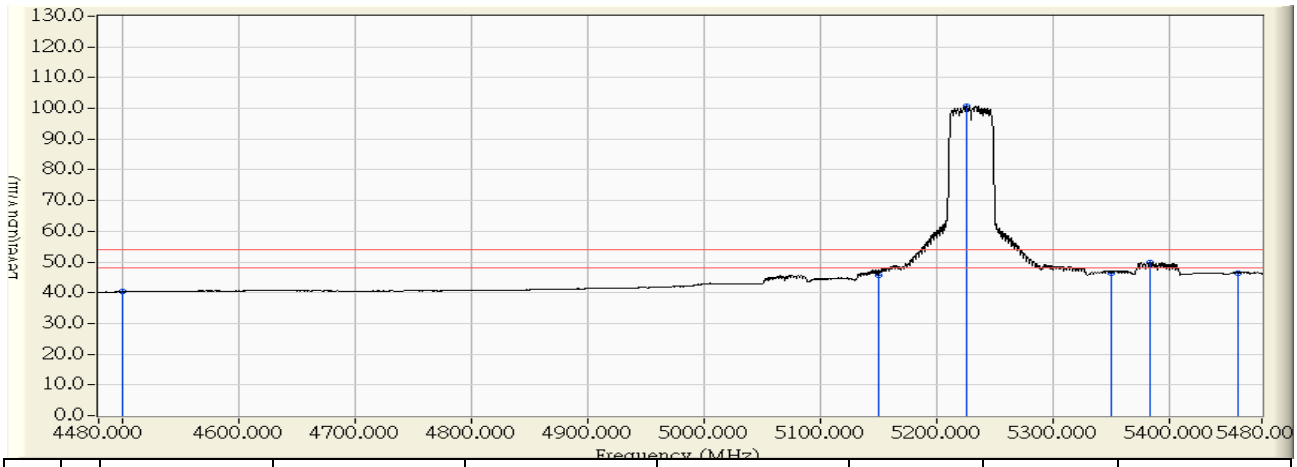


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	52.914	51.590	-22.410	74.000	PEAK
2		5150.000	1.239	56.694	57.933	-16.067	74.000	PEAK
3	*	5226.500	1.833	111.053	112.885	38.885	74.000	PEAK
4		5350.000	2.790	54.892	57.682	-16.318	74.000	PEAK
5		5403.500	3.206	59.157	62.362	-11.638	74.000	PEAK
6		5460.000	3.622	55.223	58.845	-15.155	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 : 2014/07/20 - 18:32**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode_802.11n(40M)_5230MHz**

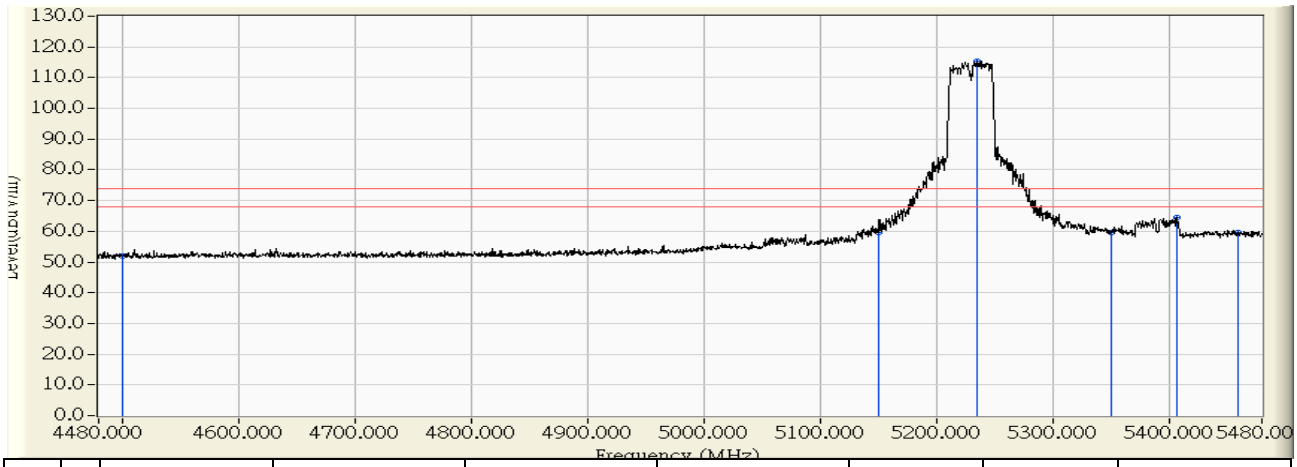


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	41.624	40.300	-13.700	54.000	AVERAGE
2		5150.000	1.239	44.449	45.688	-8.312	54.000	AVERAGE
3	*	5226.000	1.828	99.070	100.898	46.898	54.000	AVERAGE
4		5350.000	2.790	43.611	46.401	-7.599	54.000	AVERAGE
5		5384.000	3.053	46.753	49.807	-4.193	54.000	AVERAGE
6		5460.000	3.622	42.651	46.273	-7.727	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 : 2014/07/20 - 18:29**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode_802.11n(40M)_5230MHz**

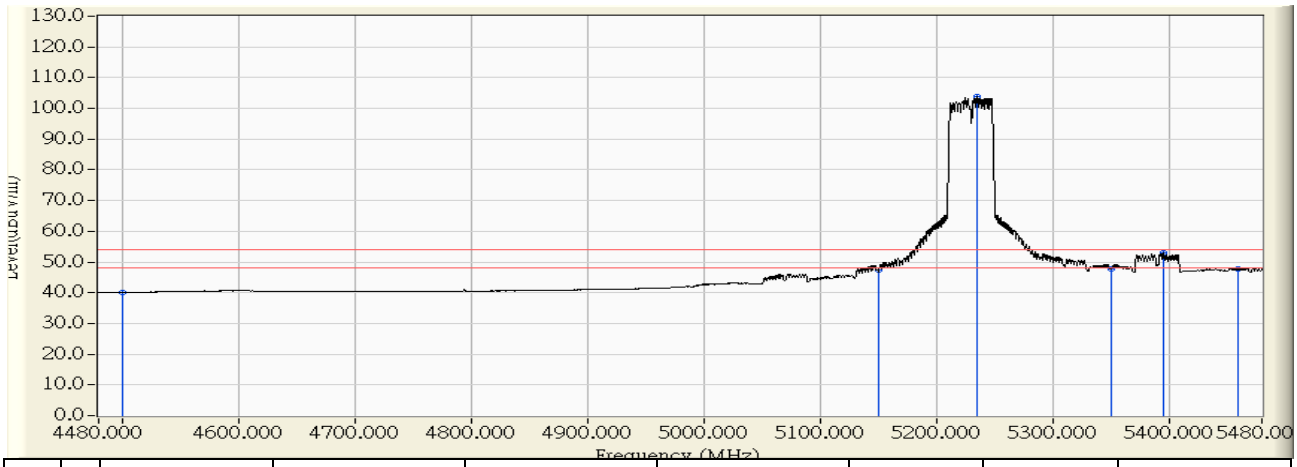


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	53.278	51.954	-22.046	74.000	PEAK
2		5150.000	1.239	58.359	59.598	-14.402	74.000	PEAK
3	*	5234.500	1.894	113.631	115.525	41.525	74.000	PEAK
4		5350.000	2.790	56.797	59.587	-14.413	74.000	PEAK
5		5407.500	3.236	61.185	64.421	-9.579	74.000	PEAK
6		5460.000	3.622	55.944	59.566	-14.434	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 : 2014/07/20 - 18:27**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode_802.11n(40M)_5230MHz**

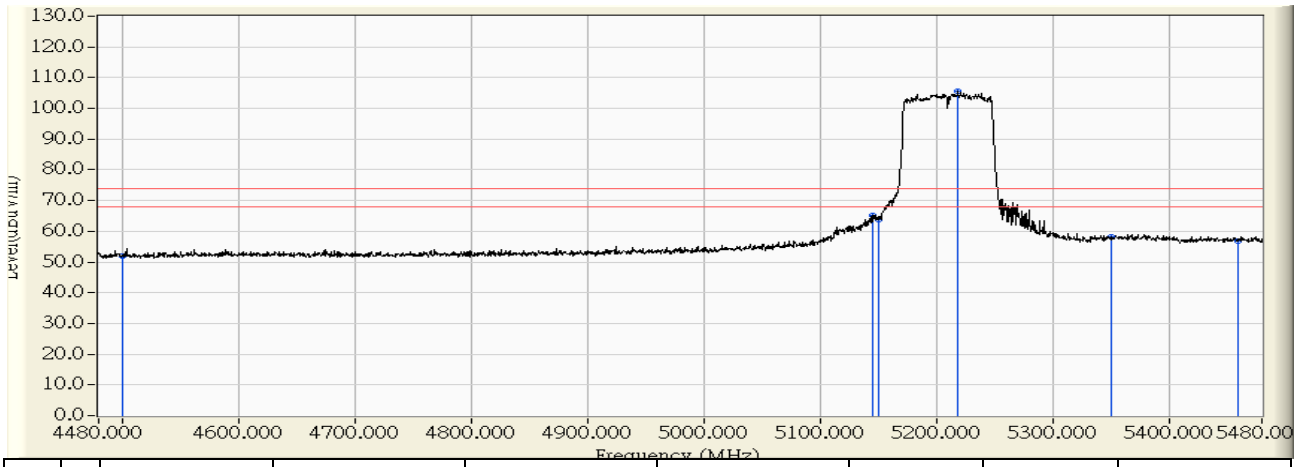


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	41.474	40.150	-13.850	54.000	AVERAGE
2		5150.000	1.239	46.003	47.242	-6.758	54.000	AVERAGE
3	*	5235.000	1.898	102.062	103.960	49.960	54.000	AVERAGE
4		5350.000	2.790	44.949	47.739	-6.261	54.000	AVERAGE
5		5395.000	3.139	49.730	52.869	-1.131	54.000	AVERAGE
6		5460.000	3.622	44.214	47.836	-6.164	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 : 2014/07/20 - 18:42**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode_802.11ac(80M)_5210MHz**

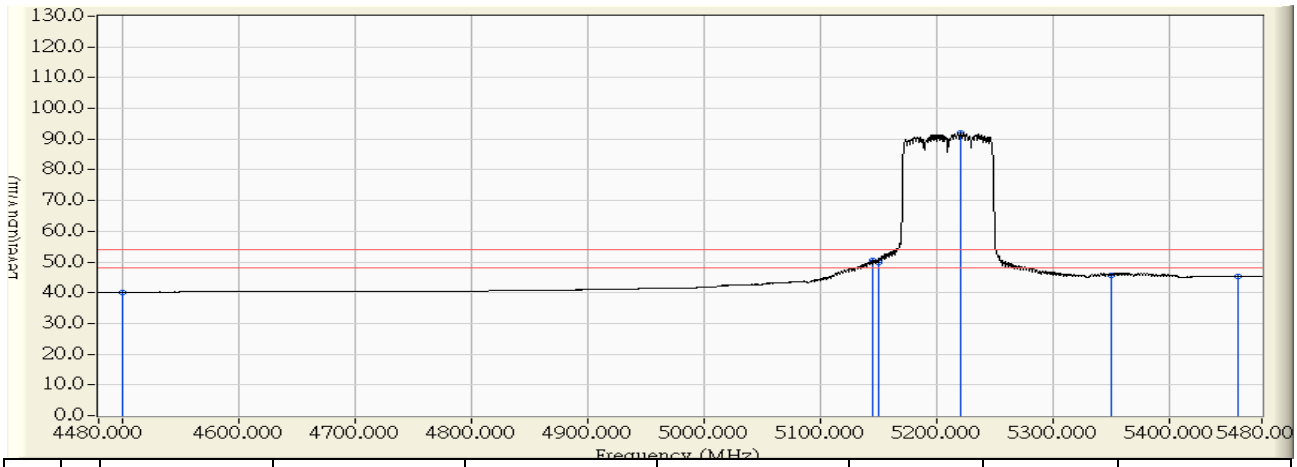


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	53.104	51.780	-22.220	74.000	PEAK
2		5145.000	1.200	63.928	65.128	-8.872	74.000	PEAK
3		5150.000	1.239	62.702	63.941	-10.059	74.000	PEAK
4	*	5218.500	1.770	103.822	105.592	31.592	74.000	PEAK
5		5350.000	2.790	55.261	58.051	-15.949	74.000	PEAK
6		5460.000	3.622	53.171	56.793	-17.207	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 : 2014/07/20 - 18:46**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode_802.11ac(80M)_5210MHz**

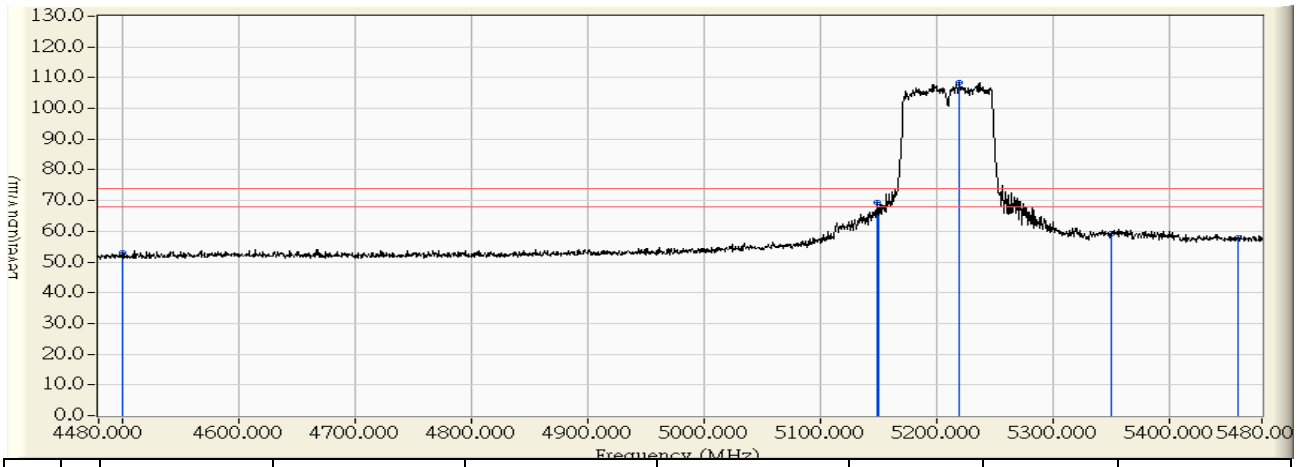


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	41.350	40.026	-13.974	54.000	AVERAGE
2		5146.000	1.208	49.323	50.531	-3.469	54.000	AVERAGE
3		5150.000	1.239	48.632	49.871	-4.129	54.000	AVERAGE
4	*	5221.000	1.790	90.278	92.068	38.068	54.000	AVERAGE
5		5350.000	2.790	42.693	45.483	-8.517	54.000	AVERAGE
6		5460.000	3.622	41.602	45.224	-8.776	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 : 2014/07/20 - 18:40**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode_802.11ac(80M)_5210MHz**

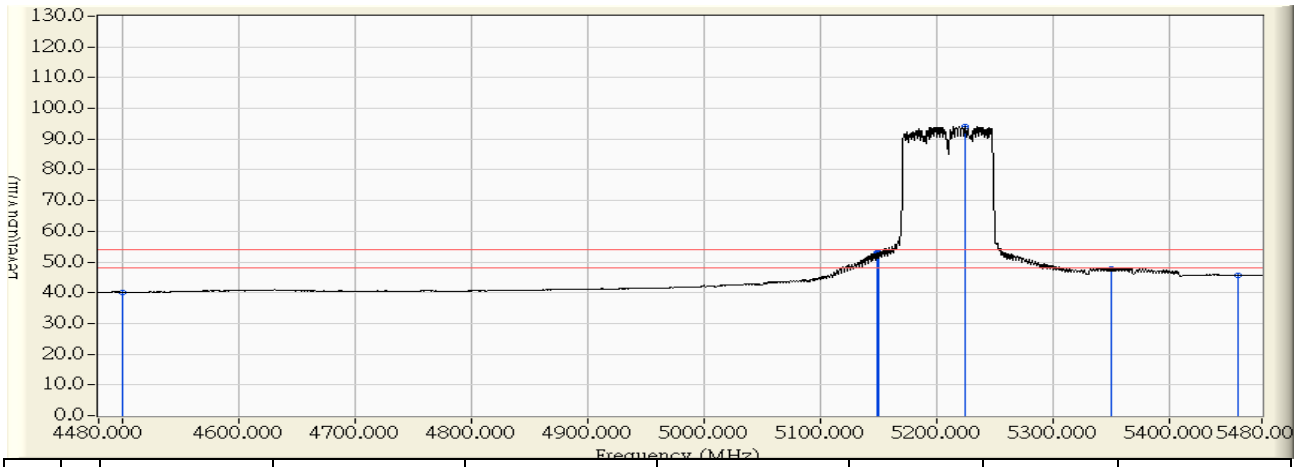


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	54.331	53.007	-20.993	74.000	PEAK
2		5149.500	1.235	68.154	69.389	-4.611	74.000	PEAK
3		5150.000	1.239	65.473	66.712	-7.288	74.000	PEAK
4	*	5220.000	1.782	106.550	108.332	34.332	74.000	PEAK
5		5350.000	2.790	56.515	59.305	-14.695	74.000	PEAK
6		5460.000	3.622	54.244	57.866	-16.134	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 : 2014/07/20 - 18:38**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : Mode1: Transmit (CDD)_Bridge Mode_802.11ac(80M)_5210MHz**

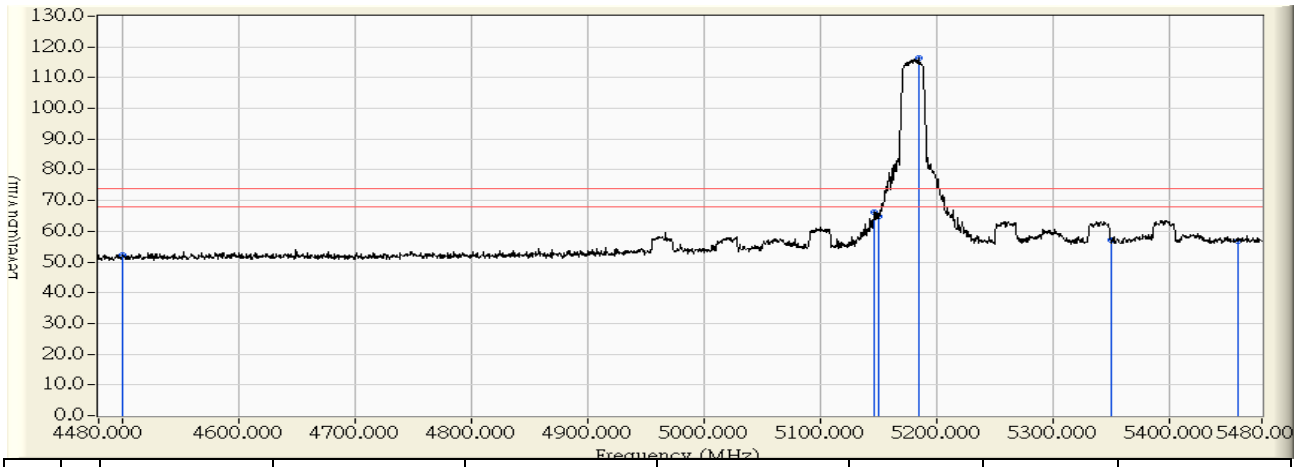


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	41.498	40.174	-13.826	54.000	AVERAGE
2		5149.500	1.235	51.689	52.924	-1.076	54.000	AVERAGE
3		5150.000	1.239	51.742	52.981	-1.019	54.000	AVERAGE
4	*	5225.000	1.821	92.303	94.124	40.124	54.000	AVERAGE
5		5350.000	2.790	44.956	47.746	-6.254	54.000	AVERAGE
6		5460.000	3.622	42.107	45.729	-8.271	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 : 2014/07/18 - 14:09**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Mode2: Transmit (Beamforming)_Bridge Mode_802.11n(20M)_5180MHz**

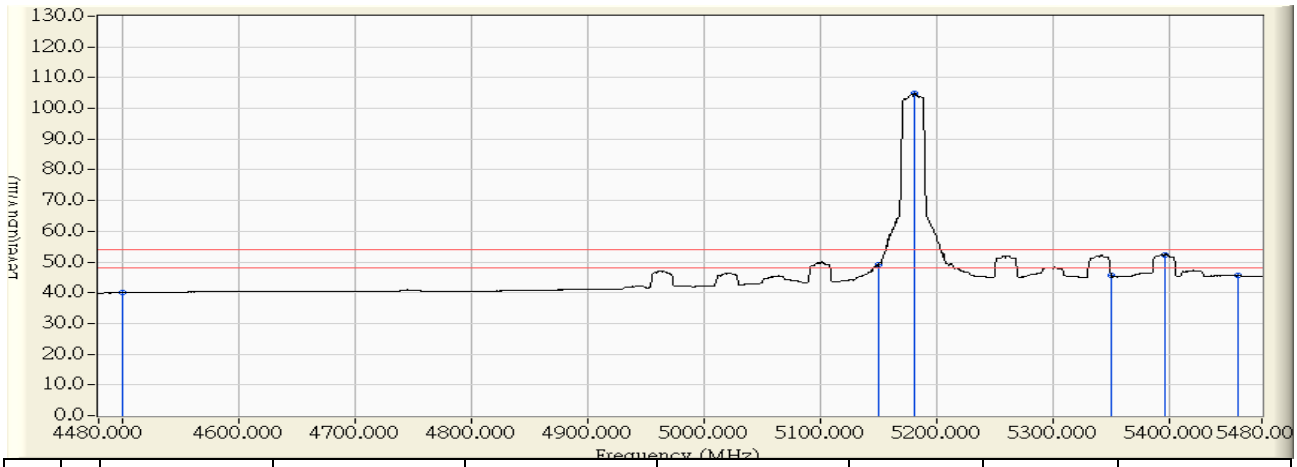


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	53.540	52.216	-21.784	74.000	PEAK
2		5147.000	1.216	65.114	66.330	-7.670	74.000	PEAK
3		5150.000	1.239	63.545	64.784	-9.216	74.000	PEAK
4	*	5184.500	1.506	115.011	116.518	42.518	74.000	PEAK
5		5350.000	2.790	54.488	57.278	-16.722	74.000	PEAK
6		5460.000	3.622	53.100	56.722	-17.278	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 : 2014/07/18 - 14:11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Mode2: Transmit (Beamforming)_Bridge Mode_802.11n(20M)_5180MHz**

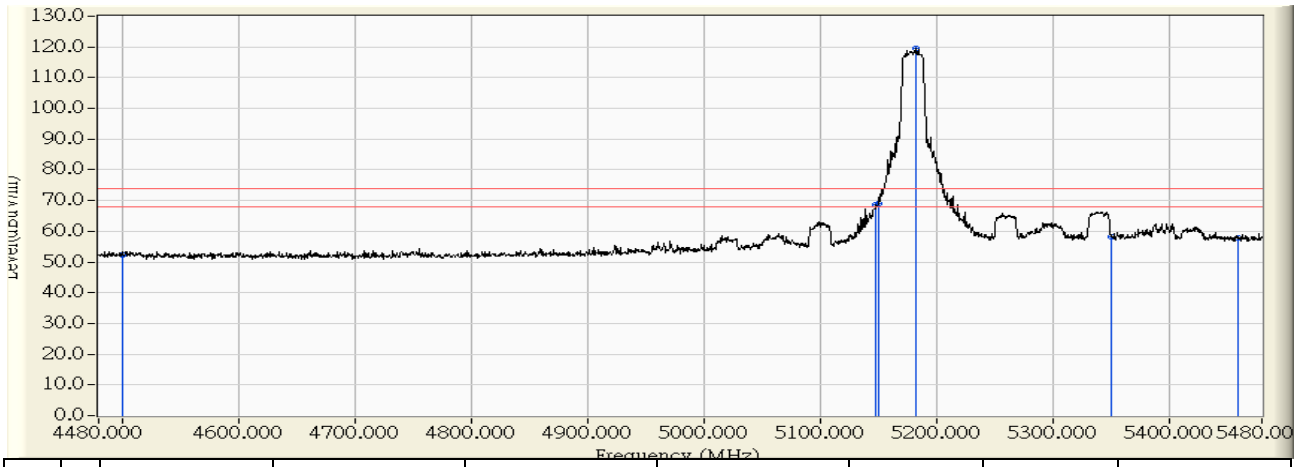


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	41.296	39.972	-14.028	54.000	AVERAGE
2		5150.000	1.239	47.898	49.137	-4.863	54.000	AVERAGE
3	*	5181.500	1.484	103.335	104.818	50.818	54.000	AVERAGE
4		5350.000	2.790	42.909	45.699	-8.301	54.000	AVERAGE
5		5396.500	3.151	49.166	52.317	-1.683	54.000	AVERAGE
6		5460.000	3.622	41.917	45.539	-8.461	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 : 2014/07/18 - 13:57**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Mode2: Transmit (Beamforming)_Bridge Mode_802.11n(20M)_5180MHz**

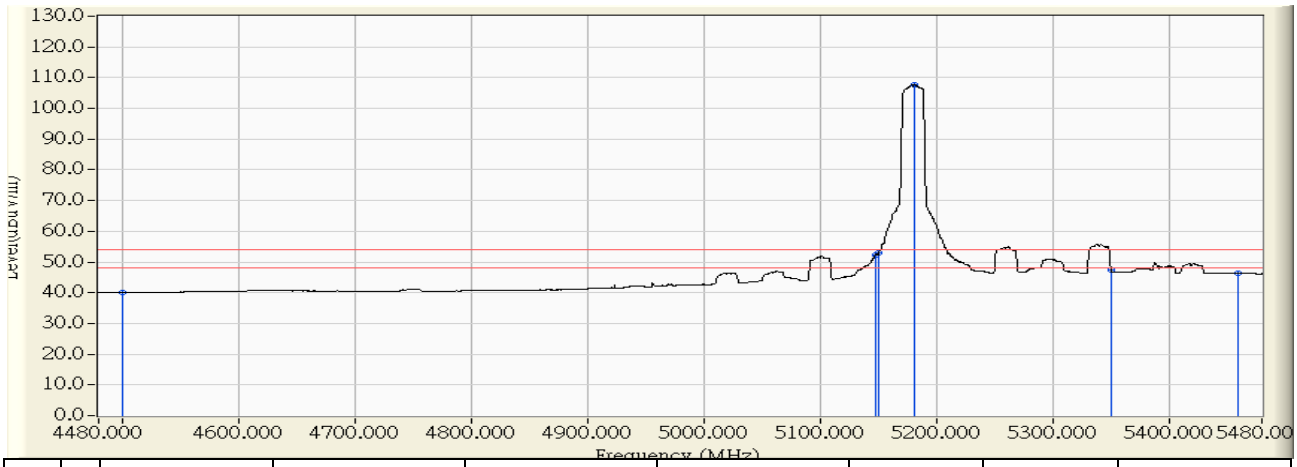


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	53.533	52.209	-21.791	74.000	PEAK
2		5148.000	1.224	67.357	68.580	-5.420	74.000	PEAK
3		5150.000	1.239	67.910	69.149	-4.851	74.000	PEAK
4	*	5182.500	1.491	117.930	119.421	45.421	74.000	PEAK
5		5350.000	2.790	55.331	58.121	-15.879	74.000	PEAK
6		5460.000	3.622	54.392	58.014	-15.986	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 : 2014/07/18 - 13:56**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Mode2: Transmit (Beamforming)_Bridge Mode_802.11n(20M)_5180MHz**

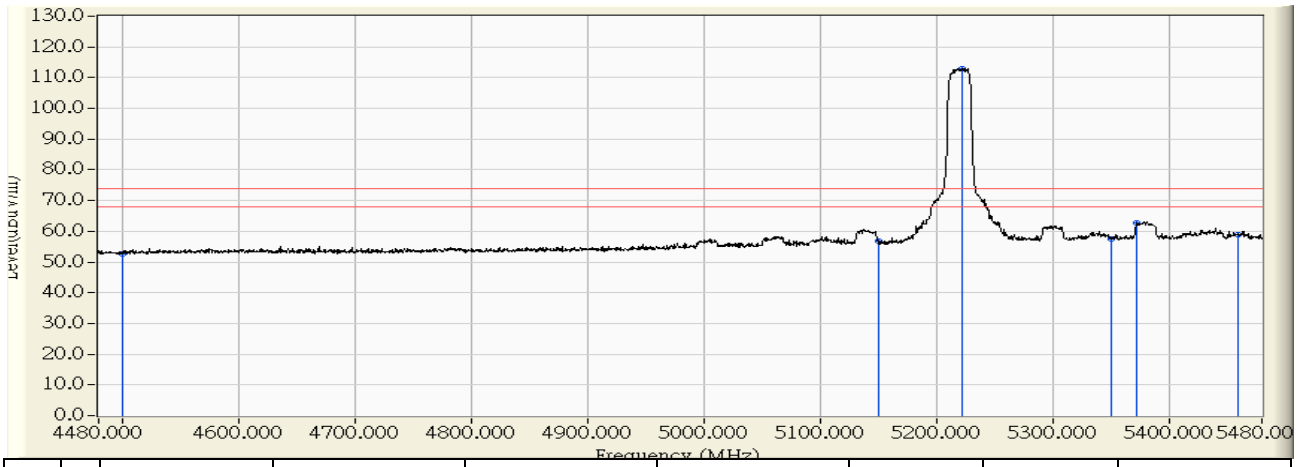


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	41.359	40.035	-13.965	54.000	AVERAGE
2		5147.500	1.220	51.212	52.432	-1.568	54.000	AVERAGE
3		5150.000	1.239	51.692	52.931	-1.069	54.000	AVERAGE
4	*	5181.500	1.484	106.365	107.848	53.848	54.000	AVERAGE
5		5350.000	2.790	44.764	47.554	-6.446	54.000	AVERAGE
6		5460.000	3.622	42.777	46.399	-7.601	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 : 2014/07/18 - 15:33**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Mode2: Transmit (Beamforming)_Bridge Mode_802.11n(20M)_5220MHz**

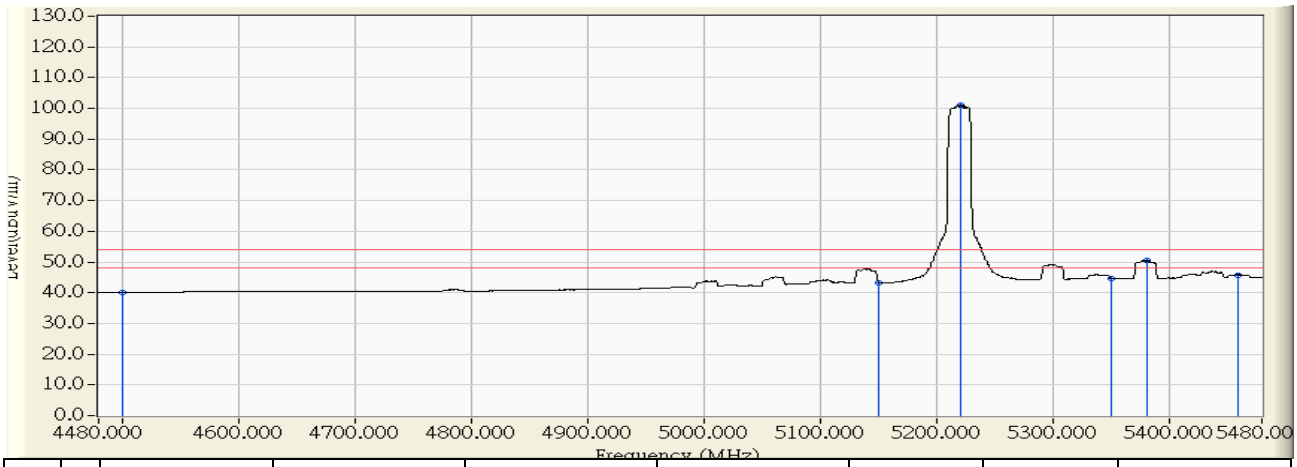


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	53.800	52.476	-21.524	74.000	PEAK
2		5150.000	1.239	55.541	56.780	-17.220	74.000	PEAK
3	*	5222.500	1.801	111.235	113.036	39.036	74.000	PEAK
4		5350.000	2.790	54.708	57.498	-16.502	74.000	PEAK
5		5372.500	2.965	59.707	62.671	-11.329	74.000	PEAK
6		5460.000	3.622	55.346	58.968	-15.032	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 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 : 2014/07/18 - 15:36**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Mode2: Transmit (Beamforming)_Bridge Mode_802.11n(20M)_5220MHz**

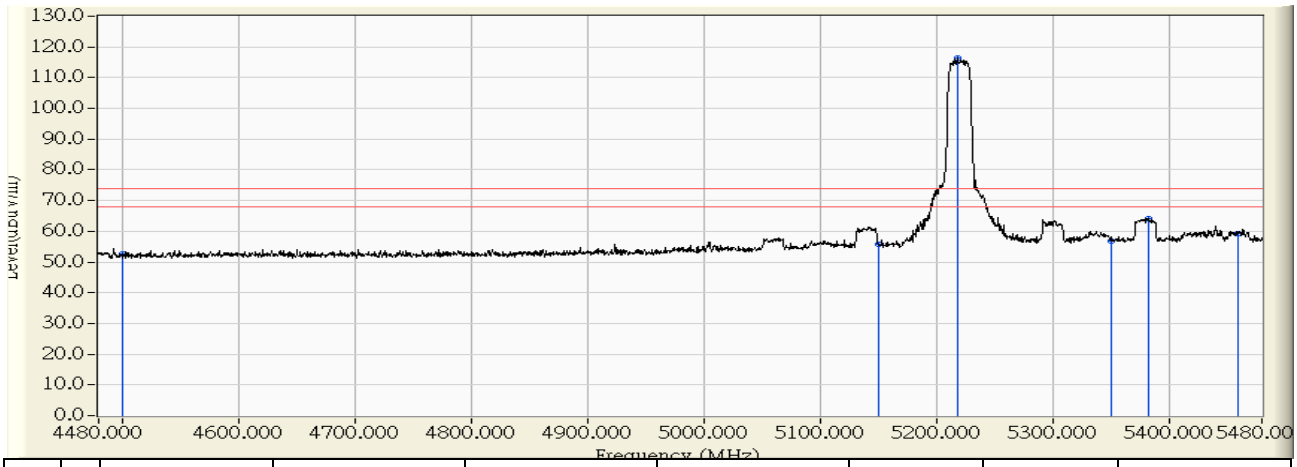


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	41.337	40.013	-13.987	54.000	AVERAGE
2		5150.000	1.239	42.114	43.353	-10.647	54.000	AVERAGE
3	*	5221.500	1.794	99.424	101.217	47.217	54.000	AVERAGE
4		5350.000	2.790	41.781	44.571	-9.429	54.000	AVERAGE
5		5381.000	3.030	47.414	50.444	-3.556	54.000	AVERAGE
6		5460.000	3.622	42.129	45.751	-8.249	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 : 2014/07/18 - 14:57**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Mode2: Transmit (Beamforming)_Bridge Mode_802.11n(20M)_5220MHz**

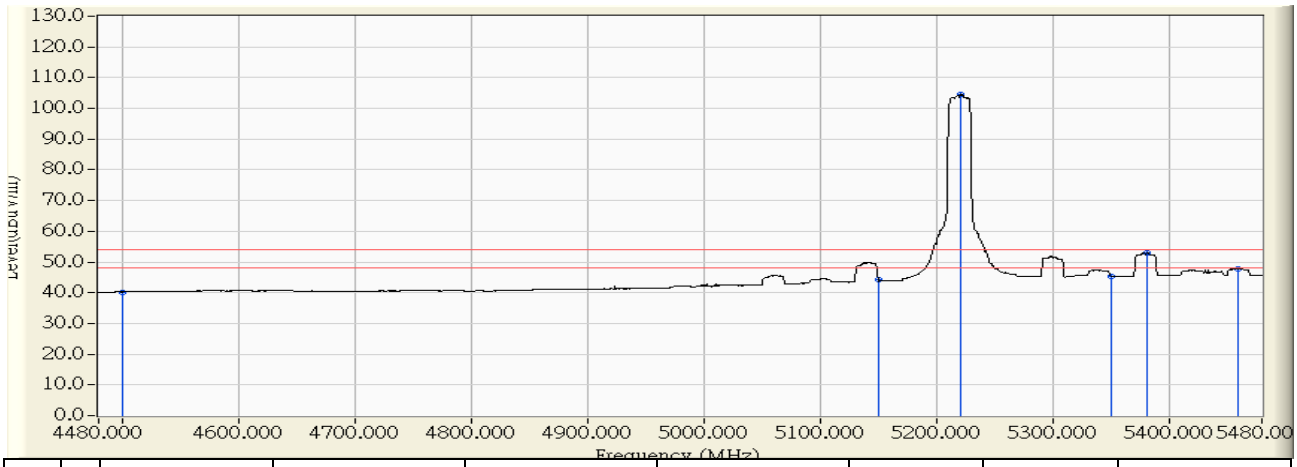


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	54.030	52.706	-21.294	74.000	PEAK
2		5150.000	1.239	54.367	55.606	-18.394	74.000	PEAK
3	*	5218.000	1.767	114.570	116.336	42.336	74.000	PEAK
4		5350.000	2.790	54.162	56.952	-17.048	74.000	PEAK
5		5382.500	3.042	61.156	64.198	-9.802	74.000	PEAK
6		5460.000	3.622	55.464	59.086	-14.914	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 : 2014/07/18 - 14:55**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Mode2: Transmit (Beamforming)_Bridge Mode_802.11n(20M)_5220MHz**

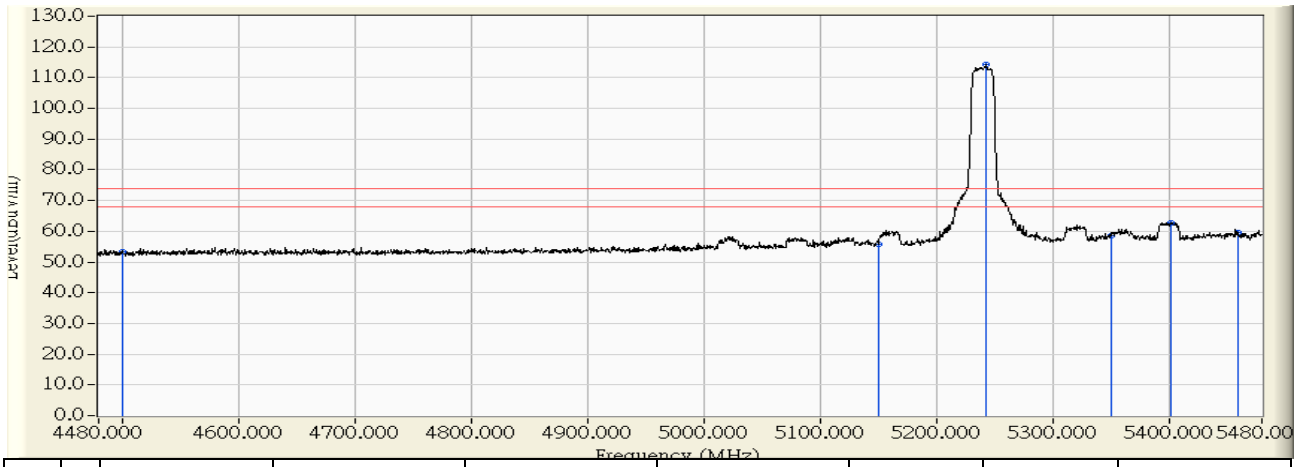


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	41.576	40.252	-13.748	54.000	AVERAGE
2		5150.000	1.239	42.927	44.166	-9.834	54.000	AVERAGE
3	*	5221.000	1.790	102.701	104.491	50.491	54.000	AVERAGE
4		5350.000	2.790	42.508	45.298	-8.702	54.000	AVERAGE
5		5381.500	3.035	49.973	53.007	-0.993	54.000	AVERAGE
6		5460.000	3.622	43.966	47.588	-6.412	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 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 : 2014/07/18 - 18:13**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Mode2: Transmit (Beamforming)_Bridge Mode_802.11n(20M)_5240MHz**

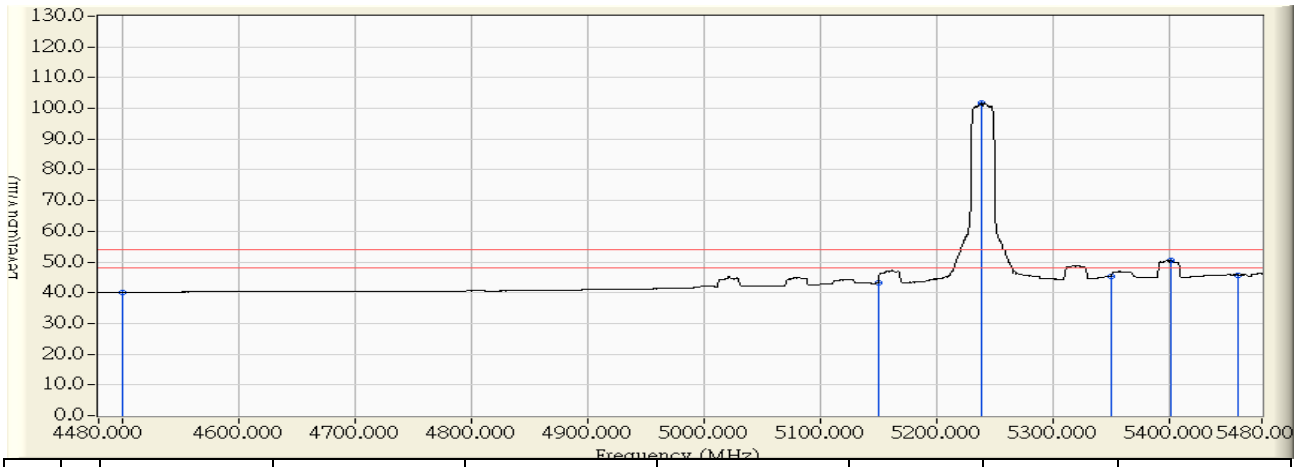


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	54.779	53.455	-20.545	74.000	PEAK
2		5150.000	1.239	54.658	55.897	-18.103	74.000	PEAK
3	*	5243.000	1.961	112.241	114.201	40.201	74.000	PEAK
4		5350.000	2.790	55.769	58.559	-15.441	74.000	PEAK
5		5401.500	3.190	59.409	62.598	-11.402	74.000	PEAK
6		5460.000	3.622	55.812	59.434	-14.566	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 : 2014/07/18 - 18:16**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Mode2: Transmit (Beamforming)_Bridge Mode_802.11n(20M)_5240MHz**

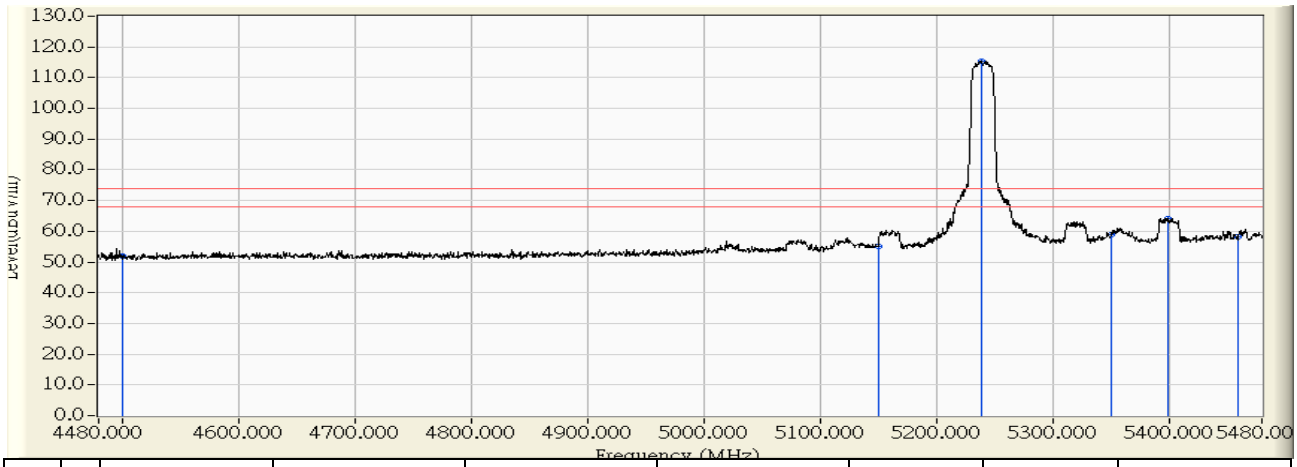


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	41.344	40.020	-13.980	54.000	AVERAGE
2		5150.000	1.239	41.875	43.114	-10.886	54.000	AVERAGE
3	*	5238.500	1.926	99.728	101.653	47.653	54.000	AVERAGE
4		5350.000	2.790	42.600	45.390	-8.610	54.000	AVERAGE
5		5401.500	3.190	47.288	50.477	-3.523	54.000	AVERAGE
6		5460.000	3.622	42.172	45.794	-8.206	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 : 2014/07/18 - 18:07**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Mode2: Transmit (Beamforming)_Bridge Mode_802.11n(20M)_5240MHz**

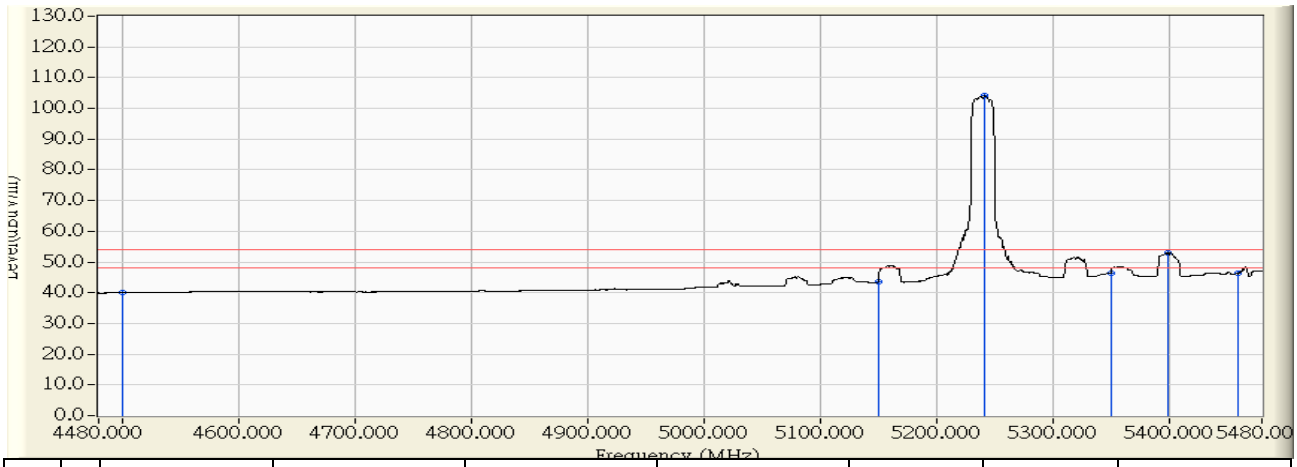


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	53.393	52.069	-21.931	74.000	PEAK
2		5150.000	1.239	53.772	55.011	-18.989	74.000	PEAK
3	*	5238.500	1.926	113.601	115.526	41.526	74.000	PEAK
4		5350.000	2.790	56.059	58.849	-15.151	74.000	PEAK
5		5399.000	3.169	61.085	64.255	-9.745	74.000	PEAK
6		5460.000	3.622	54.570	58.192	-15.808	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 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 : 2014/07/18 - 18:02**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Mode2: Transmit (Beamforming)_Bridge Mode_802.11n(20M)_5240MHz**

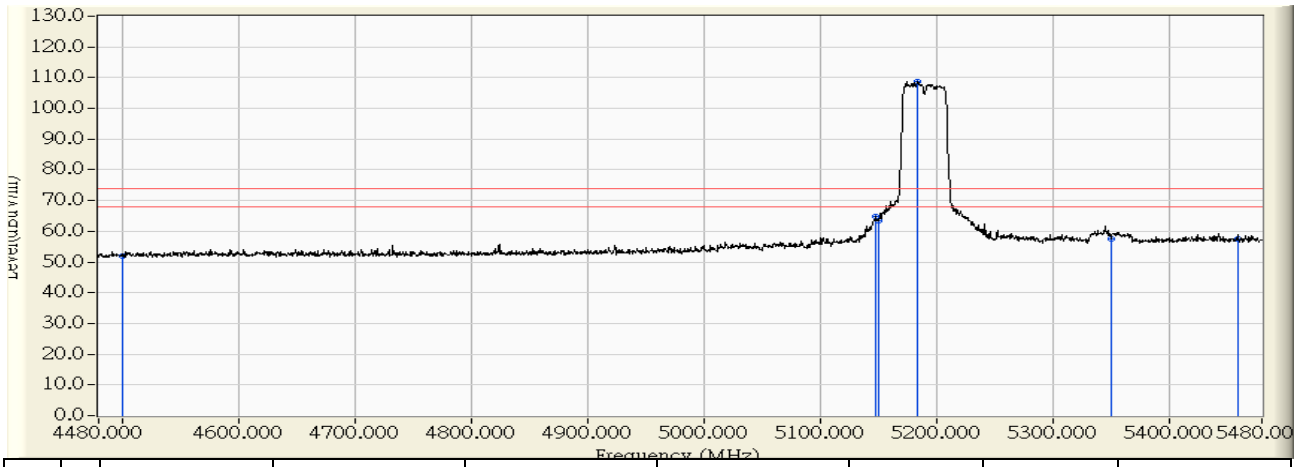


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	41.291	39.967	-14.033	54.000	AVERAGE
2		5150.000	1.239	42.154	43.393	-10.607	54.000	AVERAGE
3	*	5241.500	1.949	102.254	104.203	50.203	54.000	AVERAGE
4		5350.000	2.790	43.589	46.379	-7.621	54.000	AVERAGE
5		5399.000	3.169	49.715	52.885	-1.115	54.000	AVERAGE
6		5460.000	3.622	42.618	46.240	-7.760	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 : 2014/07/20 - 14:37**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Mode2: Transmit (Beamforming)_Bridge Mode_802.11n(40M)_5190MHz**

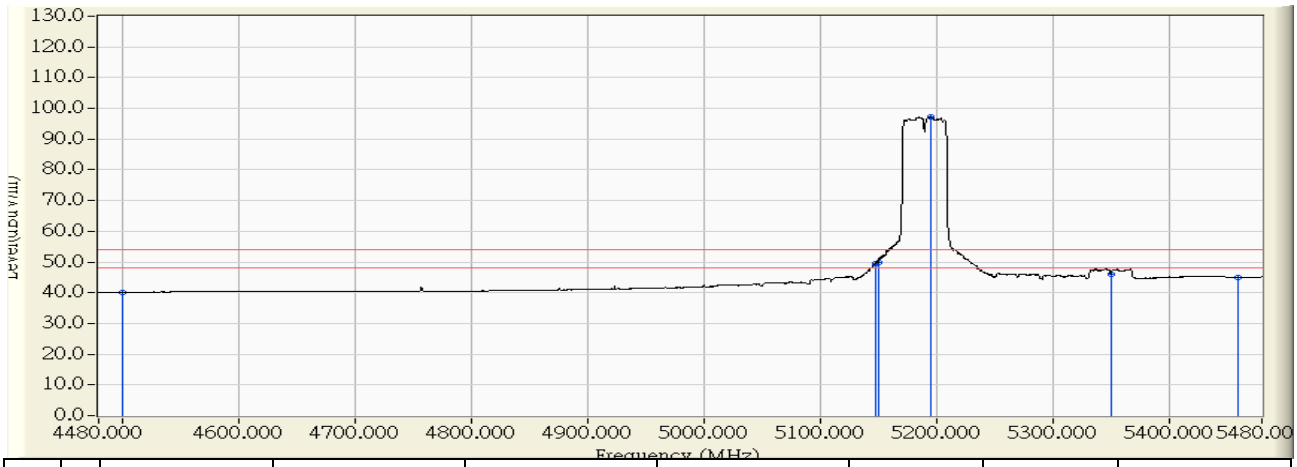


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	53.353	52.029	-21.971	74.000	PEAK
2		5148.500	1.227	63.640	64.867	-9.133	74.000	PEAK
3		5150.000	1.239	62.102	63.341	-10.659	74.000	PEAK
4	*	5184.000	1.502	107.161	108.664	34.664	74.000	PEAK
5		5350.000	2.790	54.766	57.556	-16.444	74.000	PEAK
6		5460.000	3.622	53.983	57.605	-16.395	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 : 2014/07/20 - 14:40**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Mode2: Transmit (Beamforming)_Bridge Mode_802.11n(40M)_5190MHz**

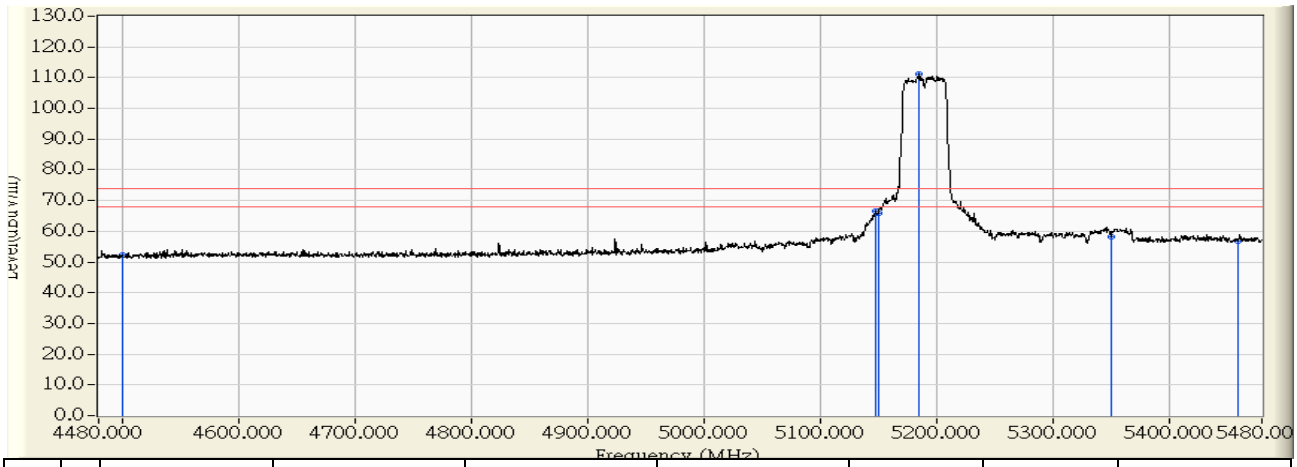


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	41.434	40.110	-13.890	54.000	AVERAGE
2		5147.500	1.220	48.444	49.664	-4.336	54.000	AVERAGE
3		5150.000	1.239	48.743	49.982	-4.018	54.000	AVERAGE
4	*	5195.000	1.588	95.718	97.306	43.306	54.000	AVERAGE
5		5350.000	2.790	43.111	45.901	-8.099	54.000	AVERAGE
6		5460.000	3.622	41.429	45.051	-8.949	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 : 2014/07/20 - 14:20**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Mode2: Transmit (Beamforming)_Bridge Mode_802.11n(40M)_5190MHz**

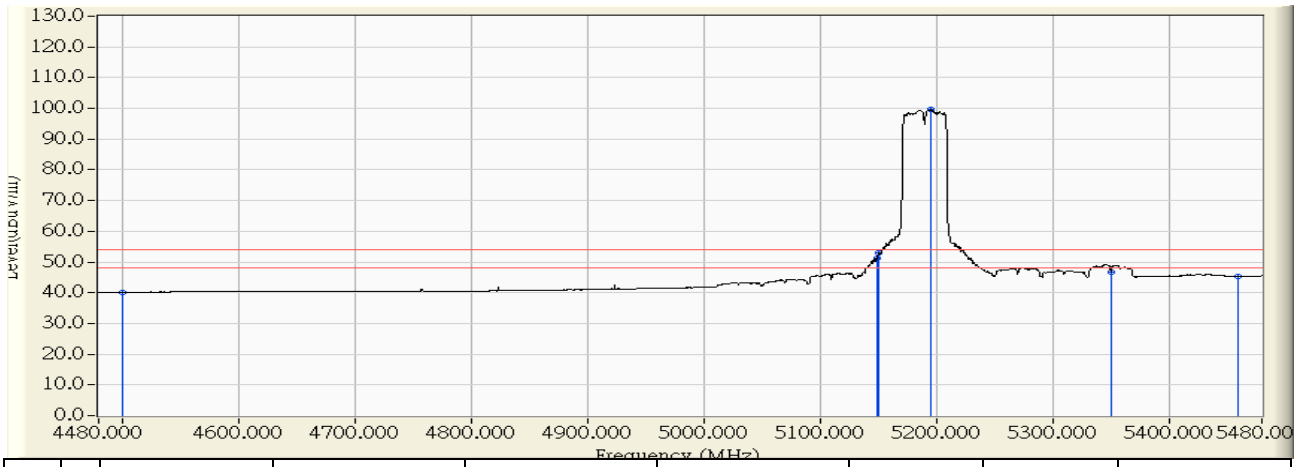


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	53.737	52.413	-21.587	74.000	PEAK
2		5148.000	1.224	65.202	66.425	-7.575	74.000	PEAK
3		5150.000	1.239	64.664	65.903	-8.097	74.000	PEAK
4	*	5185.500	1.514	109.674	111.188	37.188	74.000	PEAK
5		5350.000	2.790	55.430	58.220	-15.780	74.000	PEAK
6		5460.000	3.622	53.228	56.850	-17.150	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 : 2014/07/20 - 14:18**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Mode2: Transmit (Beamforming)_Bridge Mode_802.11n(40M)_5190MHz**

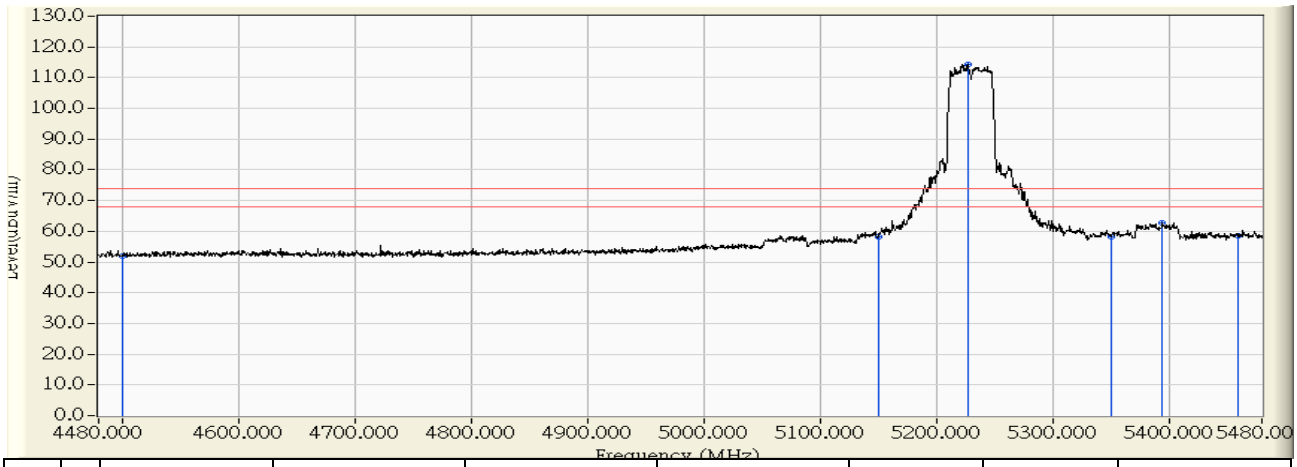


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	41.420	40.096	-13.904	54.000	AVERAGE
2		5149.000	1.231	49.888	51.119	-2.881	54.000	AVERAGE
3		5150.000	1.239	51.566	52.805	-1.195	54.000	AVERAGE
4	*	5195.500	1.591	98.074	99.666	45.666	54.000	AVERAGE
5		5350.000	2.790	44.061	46.851	-7.149	54.000	AVERAGE
6		5460.000	3.622	41.683	45.305	-8.695	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 : 2014/07/20 - 15:13**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Mode2: Transmit (Beamforming)_Bridge Mode_802.11n(40M)_5230MHz**

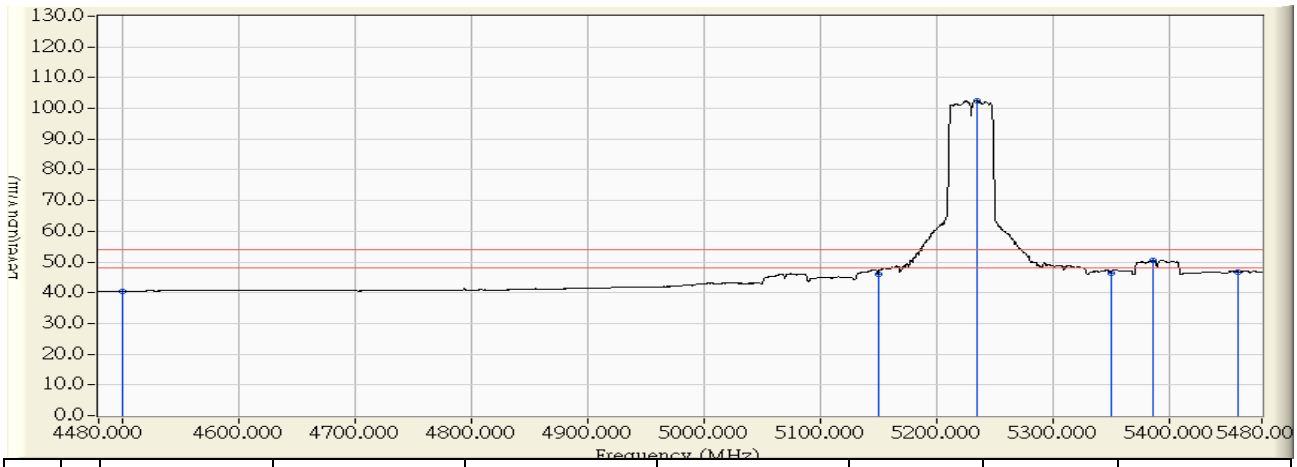


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	53.185	51.861	-22.139	74.000	PEAK
2		5150.000	1.239	56.909	58.148	-15.852	74.000	PEAK
3	*	5227.000	1.836	112.567	114.403	40.403	74.000	PEAK
4		5350.000	2.790	55.247	58.037	-15.963	74.000	PEAK
5		5394.000	3.131	59.483	62.614	-11.386	74.000	PEAK
6		5460.000	3.622	55.064	58.686	-15.314	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 : 2014/07/20 - 15:15**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Mode2: Transmit (Beamforming)_Bridge Mode_802.11n(40M)_5230MHz**

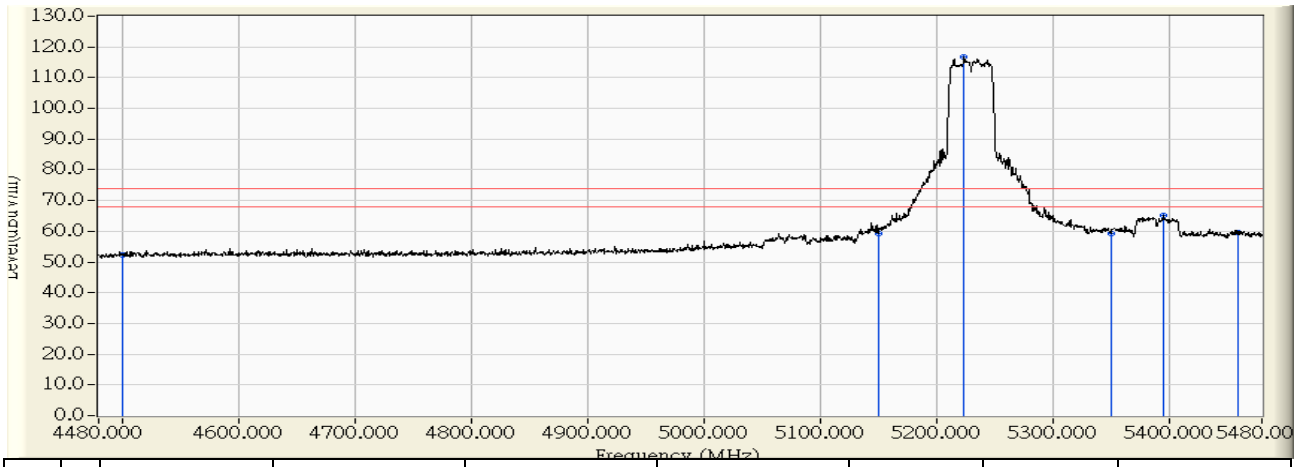


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	41.689	40.365	-13.635	54.000	AVERAGE
2		5150.000	1.239	44.601	45.840	-8.160	54.000	AVERAGE
3	*	5235.000	1.898	100.729	102.627	48.627	54.000	AVERAGE
4		5350.000	2.790	43.721	46.511	-7.489	54.000	AVERAGE
5		5386.000	3.069	47.391	50.460	-3.540	54.000	AVERAGE
6		5460.000	3.622	43.203	46.825	-7.175	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 : 2014/07/20 - 15:06**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Mode2: Transmit (Beamforming)_Bridge Mode_802.11n(40M)_5230MHz**

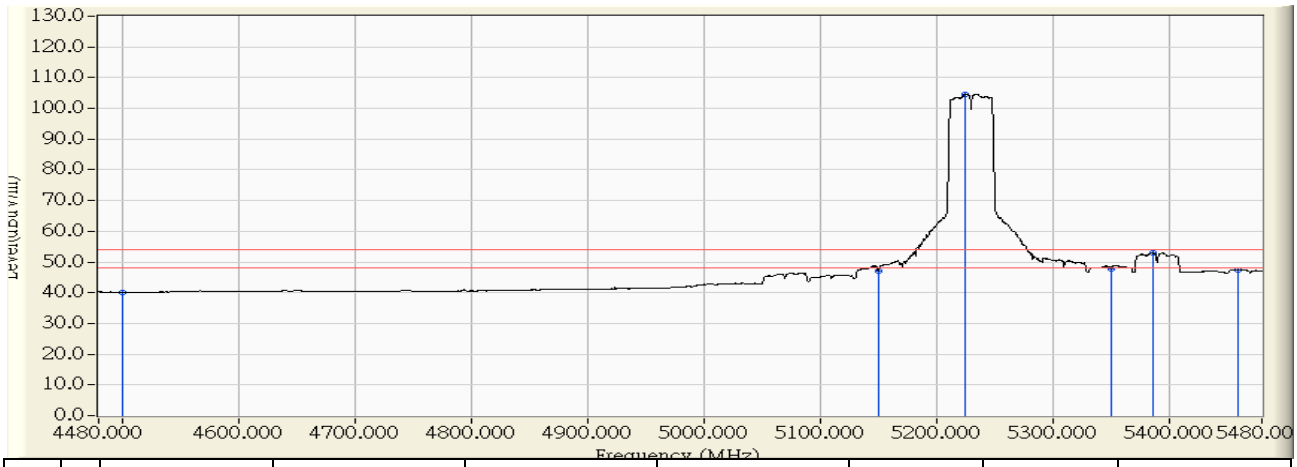


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	53.635	52.311	-21.689	74.000	PEAK
2		5150.000	1.239	58.008	59.247	-14.753	74.000	PEAK
3	*	5224.000	1.812	114.820	116.633	42.633	74.000	PEAK
4		5350.000	2.790	56.354	59.144	-14.856	74.000	PEAK
5		5396.000	3.147	62.018	65.165	-8.835	74.000	PEAK
6		5460.000	3.622	55.941	59.563	-14.437	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 : 2014/07/20 - 15:02**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Mode2: Transmit (Beamforming)_Bridge Mode_802.11n(40M)_5230MHz**

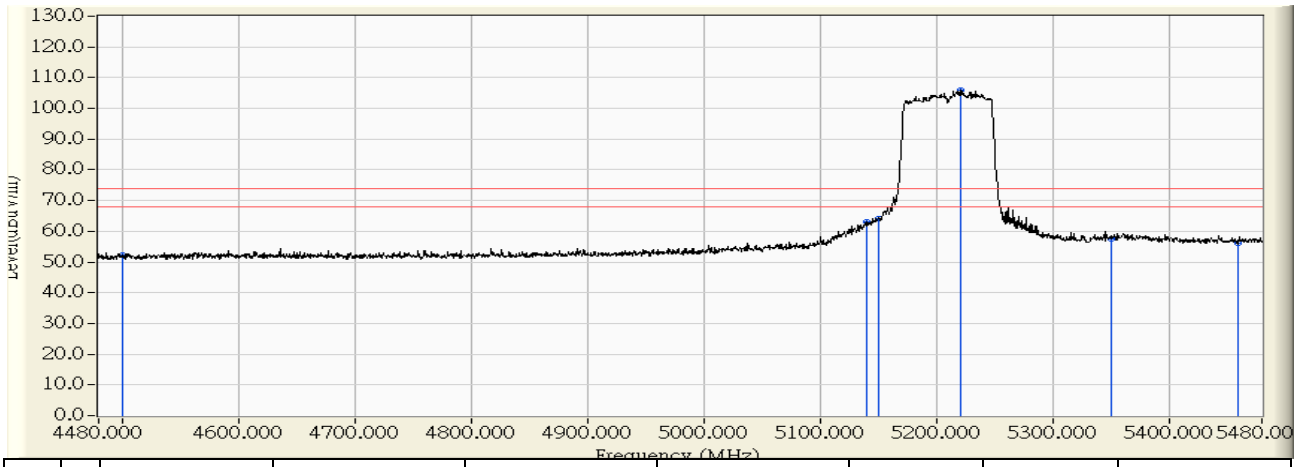


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	41.444	40.120	-13.880	54.000	AVERAGE
2		5150.000	1.239	45.649	46.888	-7.112	54.000	AVERAGE
3	*	5225.500	1.824	102.850	104.675	50.675	54.000	AVERAGE
4		5350.000	2.790	44.847	47.637	-6.363	54.000	AVERAGE
5		5386.000	3.069	49.842	52.911	-1.089	54.000	AVERAGE
6		5460.000	3.622	43.631	47.253	-6.747	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 : 2014/07/20 - 16:00**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Mode2: Transmit (Beamforming)_Bridge Mode_802.11ac(80M)_5210MHz**

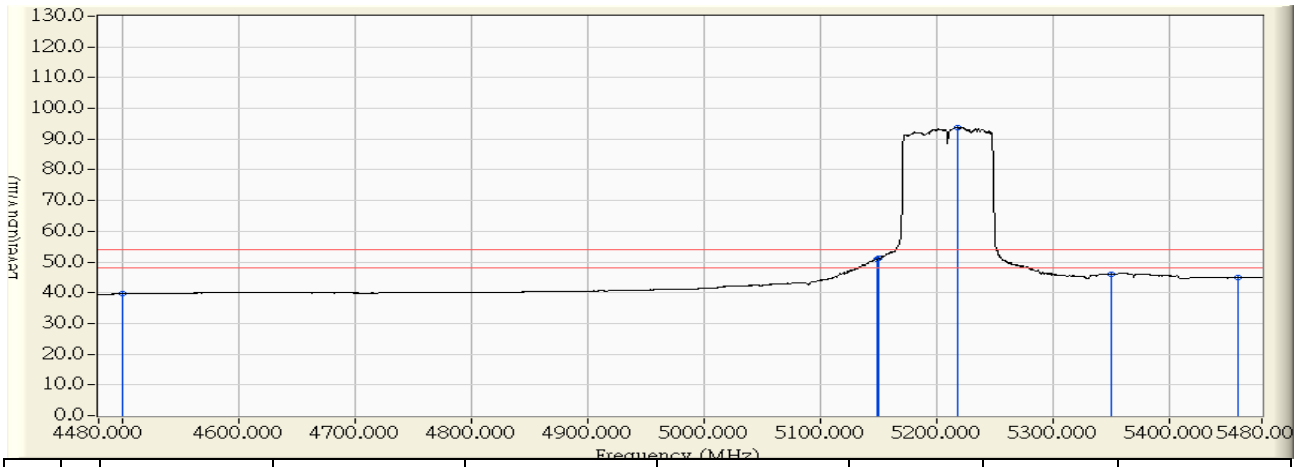


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	53.530	52.206	-21.794	74.000	PEAK
2		5140.000	1.162	62.065	63.226	-10.774	74.000	PEAK
3		5150.000	1.239	63.050	64.289	-9.711	74.000	PEAK
4	*	5220.500	1.785	104.046	105.832	31.832	74.000	PEAK
5		5350.000	2.790	54.719	57.509	-16.491	74.000	PEAK
6		5460.000	3.622	52.554	56.176	-17.824	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 : 2014/07/20 - 16:09**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Mode2: Transmit (Beamforming)_Bridge Mode_802.11ac(80M)_5210MHz**

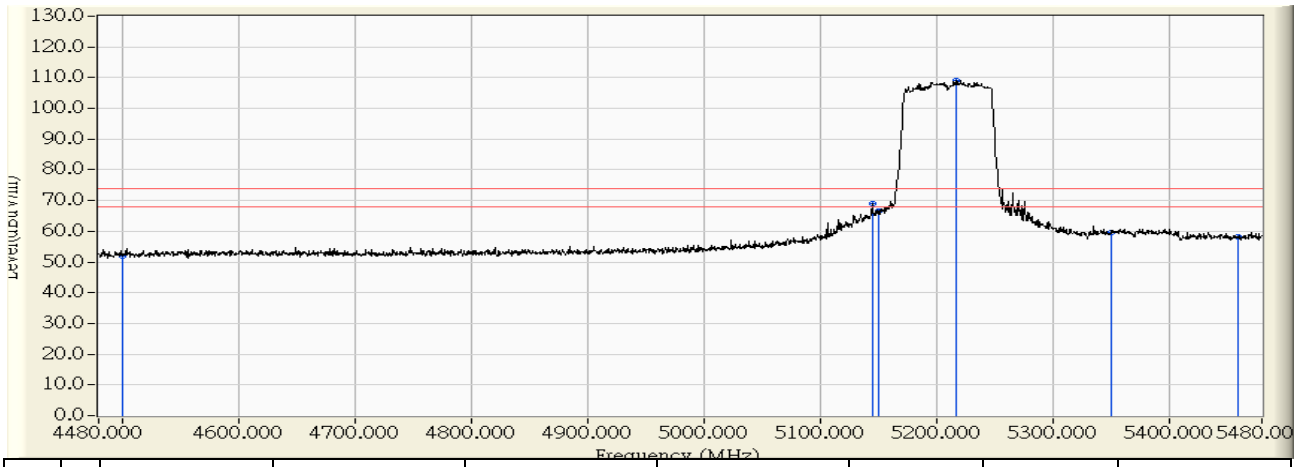


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	40.955	39.631	-14.369	54.000	AVERAGE
2		5149.500	1.235	49.595	50.830	-3.170	54.000	AVERAGE
3		5150.000	1.239	49.864	51.103	-2.897	54.000	AVERAGE
4	*	5219.000	1.773	92.082	93.856	39.856	54.000	AVERAGE
5		5350.000	2.790	43.162	45.952	-8.048	54.000	AVERAGE
6		5460.000	3.622	41.186	44.808	-9.192	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/07/20 - 15:55**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Mode2: Transmit (Beamforming)_Bridge Mode_802.11ac(80M)_5210MHz**

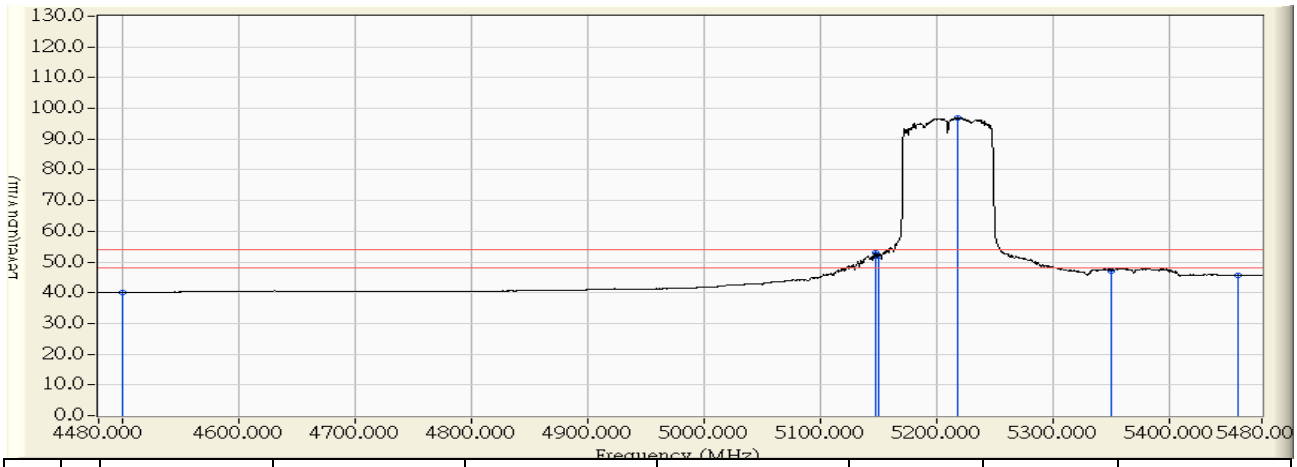


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	53.339	52.015	-21.985	74.000	PEAK
2		5145.000	1.200	67.894	69.094	-4.906	74.000	PEAK
3		5150.000	1.239	65.447	66.686	-7.314	74.000	PEAK
4	*	5217.500	1.763	107.369	109.131	35.131	74.000	PEAK
5		5350.000	2.790	56.811	59.601	-14.399	74.000	PEAK
6		5460.000	3.622	54.479	58.101	-15.899	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 : 2014/07/20 - 15:54**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Mode2: Transmit (Beamforming)_Bridge Mode_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	-1.324	41.368	40.044	-13.956	54.000	AVERAGE
2		5148.000	1.224	51.638	52.861	-1.139	54.000	AVERAGE
3		5150.000	1.239	50.813	52.052	-1.948	54.000	AVERAGE
4	*	5218.000	1.767	95.234	97.000	43.000	54.000	AVERAGE
5		5350.000	2.790	44.325	47.115	-6.885	54.000	AVERAGE
6		5460.000	3.622	42.073	45.695	-8.305	54.000	AVERAGE

Note:

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

8. Frequency Stability

8.1. Test Equipment

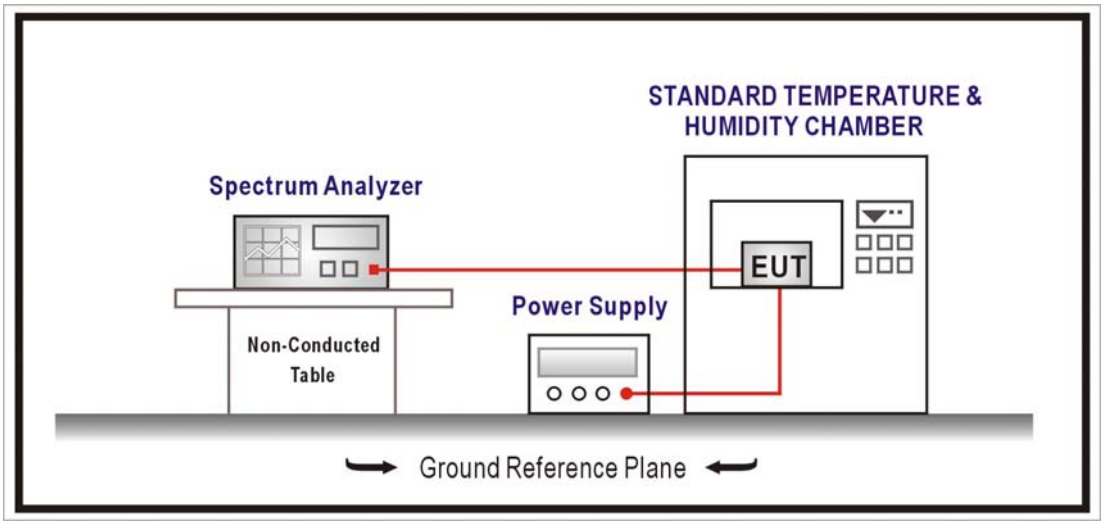
The following test equipments are used during the radiated emission tests:

Frequency Stability / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	R&S	FSP40	100005	2015/07/14
Standard Temperature & Humidity Chamber	WIT	TH-1S-B	1082101	2015/01/22

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

8.2. Test Setup



8.3. Limits

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

8.4. Test Procedure

The EUT was setup to ANSI C63.10; 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	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode - 802.11a - 5180MHz, ANT 0		
Date of Test	2014/07/24	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5180.2293	44.2701	Pass
-10		5180.8001	154.4637	Pass
0		5180.2902	56.0219	Pass
10		5180.7814	150.8544	Pass
20		5180.2735	52.7909	Pass
30		5180.2123	40.9828	Pass
40		5180.6998	135.1005	Pass
50		5180.7300	140.9333	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5180.1824	35.2220	Pass
	120	5180.1850	35.7112	Pass
	138	5180.3327	64.2304	Pass

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode - 802.11a - 5240MHz, ANT 0		
Date of Test	2014/07/24	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5240.1601	30.5593	Pass
-10		5240.8054	153.6973	Pass
0		5240.5645	107.7291	Pass
10		5240.1485	28.3320	Pass
20		5240.2117	40.3970	Pass
30		5240.1013	19.3277	Pass
40		5240.3331	63.5622	Pass
50		5240.6292	120.0797	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5240.4928	94.0371	Pass
	120	5240.0690	13.1636	Pass
	138	5240.0331	6.3131	Pass

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode - 802.11a - 5180MHzm ANT 1		
Date of Test	2014/07/24	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5180.2921	56.3841	Pass
-10		5180.0425	8.1960	Pass
0		5180.4451	85.9174	Pass
10		5180.6479	125.0813	Pass
20		5180.4227	81.6050	Pass
30		5180.8636	166.7173	Pass
40		5180.8620	166.4033	Pass
50		5180.1872	36.1373	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5180.4650	89.7713	Pass
	120	5180.4106	79.2630	Pass
	138	5180.4346	83.9026	Pass

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode - 802.11a - 5240MHz, ANT 1		
Date of Test	2014/07/24	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5240.1640	31.2956	Pass
-10		5240.3586	68.4366	Pass
0		5240.3781	72.1595	Pass
10		5240.2645	50.4711	Pass
20		5240.1350	25.7708	Pass
30		5240.7062	134.7798	Pass
40		5240.8347	159.2947	Pass
50		5240.6215	118.5975	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5240.0632	12.0690	Pass
	120	5240.2049	39.1123	Pass
	138	5240.4064	77.5515	Pass

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode - 802.11n_20M - 5180MHz, ANT 0		
Date of Test	2014/07/24	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5180.1848	35.6666	Pass
-10		5180.0026	0.5081	Pass
0		5180.8397	162.1062	Pass
10		5180.2827	54.5832	Pass
20		5180.4899	94.5658	Pass
30		5180.5142	99.2609	Pass
40		5180.8686	167.6901	Pass
50		5180.8532	164.7166	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5180.4233	81.7116	Pass
	120	5180.2587	49.9486	Pass
	138	5180.1314	25.3636	Pass

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode - 802.11n_20M - 5240MHz, ANT 0		
Date of Test	2014/07/24	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5240.7545	143.9953	Pass
-10		5240.8662	165.3093	Pass
0		5240.5452	104.0505	Pass
10		5240.7413	141.4765	Pass
20		5240.7581	144.6742	Pass
30		5240.6195	118.2198	Pass
40		5240.0235	4.4900	Pass
50		5240.8563	163.4252	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5240.3542	67.5911	Pass
	120	5240.4217	80.4730	Pass
	138	5240.4106	78.3636	Pass

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode - 802.11n_20M – 5180MHz, ANT 1		
Date of Test	2014/07/24	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5180.1539	29.7155	Pass
-10		5180.2649	51.1442	Pass
0		5180.1396	26.9432	Pass
10		5180.1635	31.5685	Pass
20		5180.5684	109.7381	Pass
30		5180.1714	33.0812	Pass
40		5180.1213	23.4123	Pass
50		5180.5379	103.8466	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5180.4499	86.8475	Pass
	120	5180.7189	138.7790	Pass
	138	5180.6641	128.1955	Pass

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode - 802.11n_20M - 5240MHz , ANT 1		
Date of Test	2014/07/24	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5240.4177	79.7087	Pass
-10		5240.1922	36.6707	Pass
0		5240.0412	7.8594	Pass
10		5240.5489	104.7548	Pass
20		5240.0869	16.5817	Pass
30		5240.3207	61.1948	Pass
40		5240.3013	57.4961	Pass
50		5240.7563	144.3341	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5240.1519	28.9825	Pass
	120	5240.3287	62.7358	Pass
	138	5240.1161	22.1531	Pass

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode - 802.11n_40M - 5190MHz, ANT 0		
Date of Test	2014/07/24	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5190.4222	81.3499	Pass
-10		5190.0295	5.6826	Pass
0		5190.0360	6.9357	Pass
10		5190.0106	2.0385	Pass
20		5190.5931	114.2681	Pass
30		5190.6505	125.3410	Pass
40		5190.7432	143.2044	Pass
50		5190.4610	88.8219	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5190.2792	53.7936	Pass
	120	5190.2777	53.5105	Pass
	138	5190.0867	16.6992	Pass

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode - 802.11n_40M - 5230MHz, ANT 0		
Date of Test	2014/07/24	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5230.5270	100.7598	Pass
-10		5230.5073	97.0071	Pass
0		5230.4438	84.8622	Pass
10		5230.3401	65.0202	Pass
20		5230.8771	167.7010	Pass
30		5230.0569	10.8779	Pass
40		5230.0183	3.4907	Pass
50		5230.3865	73.9078	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5230.3015	57.6510	Pass
	120	5230.3207	61.3140	Pass
	138	5230.4300	82.2115	Pass

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode - 802.11n_40M - 5190MHz, ANT 1		
Date of Test	2014/07/24	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5190.5259	101.3378	Pass
-10		5190.3311	63.7974	Pass
0		5190.3053	58.8286	Pass
10		5190.8397	161.7894	Pass
20		5190.0575	11.0825	Pass
30		5190.7765	149.6124	Pass
40		5190.3847	74.1197	Pass
50		5190.8441	162.6310	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5190.4266	82.1953	Pass
	120	5190.1644	31.6850	Pass
	138	5190.1235	23.8041	Pass

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode - 802.11n_40M - 5230MHz, ANT 1		
Date of Test	2014/07/24	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5230.6340	121.2304	Pass
-10		5230.5576	106.6206	Pass
0		5230.1348	25.7663	Pass
10		5230.6458	123.4799	Pass
20		5230.2908	55.6117	Pass
30		5230.0215	4.1025	Pass
40		5230.3104	59.3552	Pass
50		5230.6013	114.9698	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5230.0433	8.2783	Pass
	120	5230.0861	16.4641	Pass
	138	5230.2634	50.3650	Pass

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode - 802.11ac_80M -5210MHz, ANT 0		
Date of Test	2014/07/24	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5210.5012	96.1902	Pass
-10		5210.5871	112.6785	Pass
0		5210.2569	49.3163	Pass
10		5210.8787	168.6476	Pass
20		5210.2533	48.6099	Pass
30		5210.7305	140.2131	Pass
40		5210.6331	121.5157	Pass
50		5210.6338	121.6521	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5210.4431	85.0389	Pass
	120	5210.2608	50.0504	Pass
	138	5210.0547	10.5016	Pass

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode1: Transmit (CDD)_Bridge Mode - 802.11ac_80M -5210MHz, ANT 1		
Date of Test	2014/07/24	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5210.0328	6.2996	Pass
-10		5210.1711	32.8378	Pass
0		5210.1132	21.7254	Pass
10		5210.3251	62.4007	Pass
20		5210.7717	148.1199	Pass
30		5210.2023	38.8334	Pass
40		5210.8939	171.5835	Pass
50		5210.1714	32.9007	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5210.1044	20.0418	Pass
	120	5210.1816	34.8644	Pass
	138	5210.0269	5.1595	Pass