FCC Test Report

Product Name ： Gigabit Router Dual-band Wireless-N900

Model No. ： RT-N66U, RT-N66R, RT-N66W

FCC ID. ： MSQ-RT0K00

Applicant ： ASUSTeK COMPUTER INC.

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

Date of Receipt ： 2014/09/24

Issued Date ： 2015/01/29

Report No. ： 1490542R-RFUSP43V00

Report Version ： V1.0

Test Report Certification

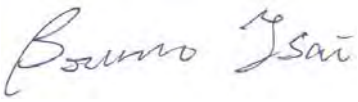
Issued Date : 2015/01/29
Report No. : 1490542R-RFUSP43V00

Product Name	:	Gigabit Router Dual-band Wireless-N900
Applicant	:	ASUSTeK COMPUTER INC.
Address	:	4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan
Manufacturer	:	(1) Askey Technology(Jiangsu)LTD.
		(2) Compal Networking (KunShan) Co., LTD.
Model No.	:	RT-N66U, RT-N66R, RT-N66W
FCC ID.	:	MSQ-RT0K00
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: 2009
Test Result	:	Complied

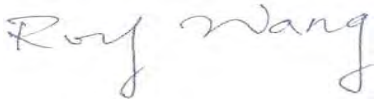
The test results relate only to the samples tested.
The test report shall not be reproduced except in full without the written approval of QuieTek Corporation.

Documented By : 

(Carol Tsai / Engineering Adm. Specialist)

Reviewed By : 

(Bruno Tsai / Engineer)

Approved By : 

(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: 3024**
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/chinese/about/certificates.aspx?bval=5
The address and introduction of QuieTek Corporation's laboratories can be founded in our Web site : http://www.quietek.com/
If you have any comments, Please don't hesitate to contact us. Our contact information is as below:

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

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

TABLE OF CONTENTS

1. General Information

1.1. EUT Description

Product Name	Gigabit Router Dual-band Wireless-N900
Product Type	WLAN (3TX, 3RX)
Trade Name	ASUS
Model No.	RT-N66U, RT-N66R, RT-N66W
Frequency Range/Channel Number -IEEE 802.11a & IEEE 802.11n (20MHz)	5180~5240MHz / 4 Channels
Frequency Range/Channel Number -IEEE 802.11n (40MHz)	5190~5230MHz / 2 Channels
Type of Modulation (IEEE 802.11a/n)	Orthogonal Frequency Division Multiplexing (OFDM)
Data Speed (IEEE 802.11a)	6Mbps,9Mbps,12Mbps,18Mbps,24Mbps,36Mbps,48Mbps,54Mbps
Data Speed (IEEE 802.11n)	Support a subset of the combination of GI, MCS 0~MCS 23 and bandwidth defined in 802.11n

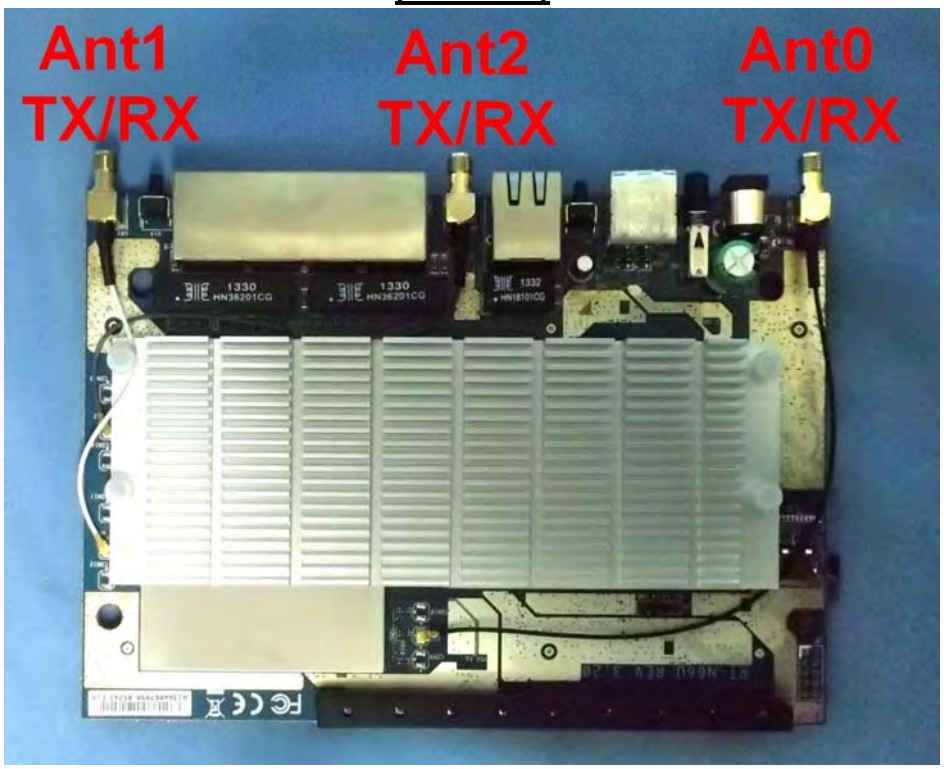
Antenna Information	
Vender/Model	For M/N: RT-N66U, RT-N66R: Walsin/ RFDPA141000SBLB812 Whayu / C660-510332-A For M/N: RT-N66W: Walsin/ RFDPA141000SBLB803
Antenna Type	Dipole Antenna
Antenna Gain	5G Band1: Ant0: 4dBi, Ant1: 4dBi, Ant2: 4dBi 5G Band2: Ant0: 4dBi, Ant1: 4dBi, Ant2: 4dBi 5G Band3: Ant0: 4dBi, Ant1: 4dBi, Ant2: 4dBi

Component	
Antenna (For M/N: RT-N66U, RT-N66R)	Walsin/ RFDPA141000SBLB812, 3 PCS
Antenna (For M/N: RT-N66U, RT-N66R)	Whayu / C660-510332-A, 3 PCS
Antenna (For M/N: RT-N66W)	Walsin/ RFDPA141000SBLB803, 3 PCS
LAN Cable	Non-Shielded, 1.5m
Power Adatper	ASUS, AD82030 I/P : AC 100-240V~ 50-60Hz 0.8A O/P : 19V⎓1.58A Cable Out: Non-Shielded, 2.5m, one ferrite core bonded.
Power Adatper	I.T.E., MU30-5120250-A1 I/P : 100-240V-50/60Hz 0.8A O/P : 12V⎓2.5A Cable Out: Non-shielded, 1.8m

ANT-TX / RX & Bandwidth

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

(3TX / 3RX)



IEEE 802.11n

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

Table 1 – MCS parameters for TX Antenna number = 1

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

Table 2 – MCS parameters for TX Antenna number = 2

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

Table 3 – MCS parameters for TX Antenna number = 3

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

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

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

Note:

1. This device is a Gigabit Router Dual-band Wireless-N900 including 2.4GHz b/g/n and 5GHz a/n (3x3) transmitting and receiving function.
2. The different of the each model is shown as below:

Model No.	Externals color	Antenna
RT-N66U, RT-N66R	Black	Walsin/ RFDPA141000SBLB812
		Whayu / C660-510332-A
RT-N66W	White	Walsin/ RFDPA141000SBLB803

   The variation of model number is for different strategy of marketing.
3. These test results on a sample of the device are for the purpose of demonstrating Compliance with Part 15 Subpart E Paragraph 15.407.
4. 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.
5. The function of the 2.4GHz and 5.8GHz transmitting is measured and makes a test report of the report number: 1490542R-RFUSP28V00.
6. This device has USB and Ethernet ports, which can be connected to computer. It is a Class B personal computer and peripheral. Its test report number is 1490542R-RFUSP01V00 under part 15B with Declaration of Conformity letter.
7. The different of the each Antenna shown as below:

Antenna Source	Antenna Model	Antenna Gain (5G)
Walsin	RFDPA141000SBLB812	4dBi
Whayu	C660-510332-A	4dBi
Walsin	RFDPA141000SBLB803	4dBi

1.2. Test Mode

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

TX	Mode 1: Transmit_AD82030 Mode 2: Transmit_MU30-5120250-A1

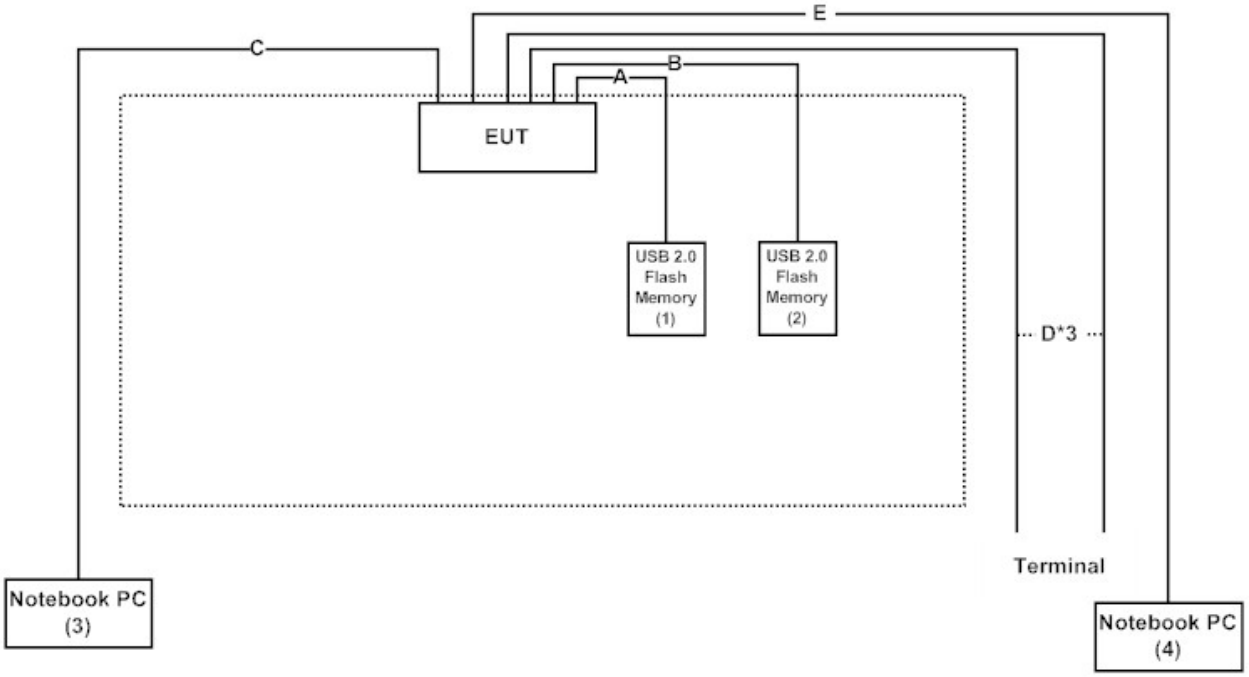
Test Items	Modulation	Channel	Antenna	Result
Conducted Emission	11n(40MHz)	38	0+1+2	Complies
99 % & 26dB Bandwidth	11a	36/44/48	0/1/2	Complies
	11n(20MHz)	36/44/48	0/1/2	Complies
	11n(40MHz)	38/46	0/1/2	Complies
Peak Transmit Output	11a	36/44/48	0+1+2	Complies
	11n(20MHz)	36/44/48	0+1+2	Complies
	11n(40MHz)	38/46	0+1+2	Complies
Peak Power Spectrum Density	11a	36/44/48	0+1+2	Complies
	11n(20MHz)	36/44/48	0+1+2	Complies
	11n(40MHz)	38/46	0+1+2	Complies
Radiated Emission	11a	36/44/48	0+1+2	Complies
	11n(20MHz)	36/44/48	0+1+2	Complies
	11n(40MHz)	38/46	0+1+2	Complies
Band Edge	11a	36	0+1+2	Complies
	11n(20MHz)	36	0+1+2	Complies
	11n(40MHz)	38	0+1+2	Complies
Frequency Stability	11a	36/48	0/1/2	Complies
	11n(20MHz)	36/48	0/1/2	Complies
	11n(40MHz)	38/46	0/1/2	Complies

1.3. Tested System Details

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

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

1.4. Configuration of tested System

Connection Diagram


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

1.5. EUT Exercise Software

1	Setup the EUT as shown in Section 1.5.
2	Execute the MFG Control Panel Ver 1.4.0.0 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 Peal Transmit Power	15 - 35	25
Humidity (%RH)		25 - 75	65
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 E 15.407 Peak Power Spectrum Density	15 - 35	25
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 E 15.407 Radiated Emission	15 - 35	25
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 E 15.407 Band Edge	15 - 35	25
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 E 15.407 Frequency Stability	15 - 35	25
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000

2. Conducted Emission

2.1. Test Equipment

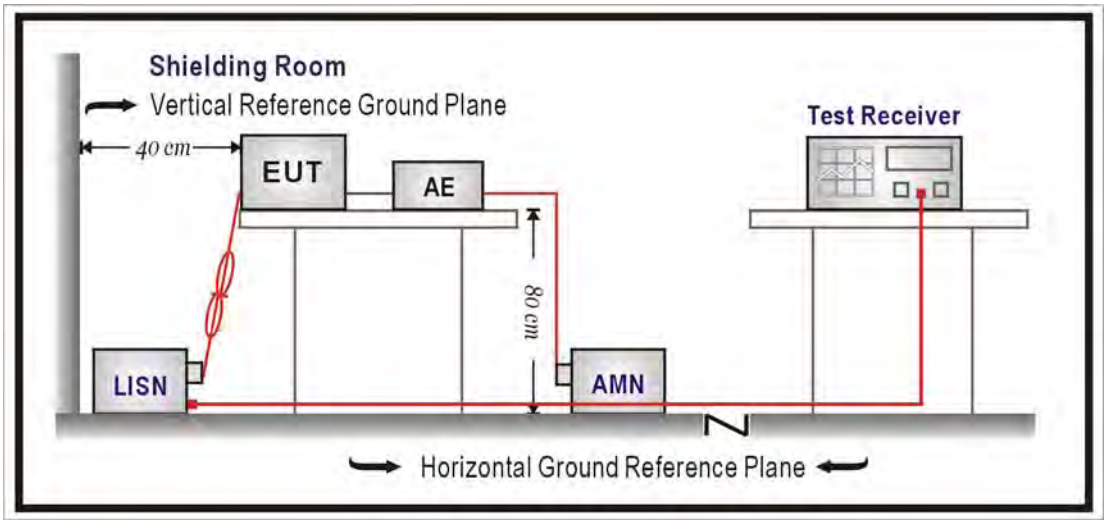
The following test equipments are used during the test:

Conducted Emission / SR2

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Artificial Mains Network	R&S	ENV4200	848411/010	2015/02/09
LISN	R&S	ENV216	100092	2015/08/24
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: 2009. 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

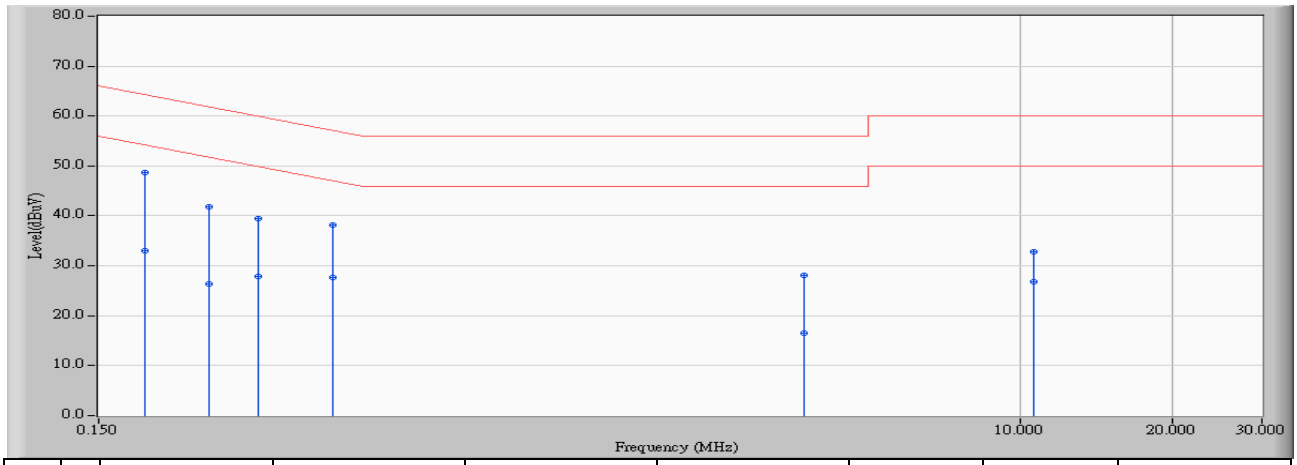
According to FCC Part 15 Subpart C Paragraph 15.207: 2013

2.6. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

2.7. Test Result

Site : SR2	**Time : 2015/01/26 - 16:36**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-4_0825 - Line1	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(40MHz)_5230MHz**

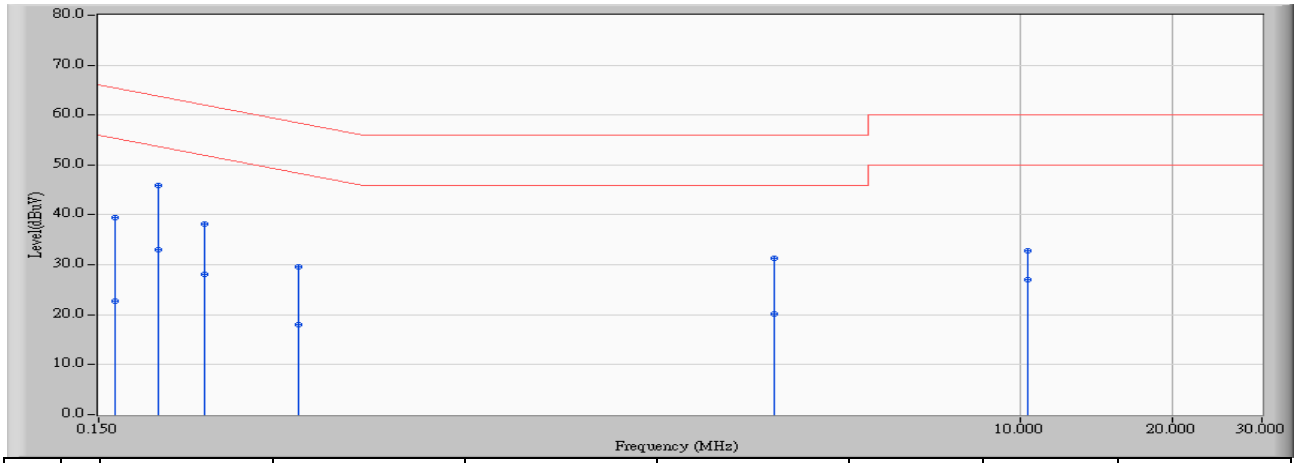


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.185	9.760	38.980	48.740	-15.511	64.251	QUASIPEAK
2		0.185	9.760	23.370	33.130	-21.121	54.251	AVERAGE
3		0.248	9.758	32.010	41.768	-20.068	61.835	QUASIPEAK
4		0.248	9.758	16.640	26.398	-25.438	51.835	AVERAGE
5		0.310	9.755	29.630	39.385	-20.582	59.966	QUASIPEAK
6		0.310	9.755	18.200	27.955	-22.012	49.966	AVERAGE
7		0.435	9.751	28.480	38.231	-18.923	57.154	QUASIPEAK
8		0.435	9.751	17.920	27.671	-19.483	47.154	AVERAGE
9		3.728	9.904	18.180	28.084	-27.916	56.000	QUASIPEAK
10		3.728	9.904	6.640	16.544	-29.456	46.000	AVERAGE
11		10.580	10.110	22.620	32.730	-27.270	60.000	QUASIPEAK
12		10.580	10.110	16.720	26.830	-23.170	50.000	AVERAGE

Note:

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

Site : SR2	**Time : 2015/01/26 - 16:40**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-4_0825 - Line2	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(40MHz)_5230MHz**

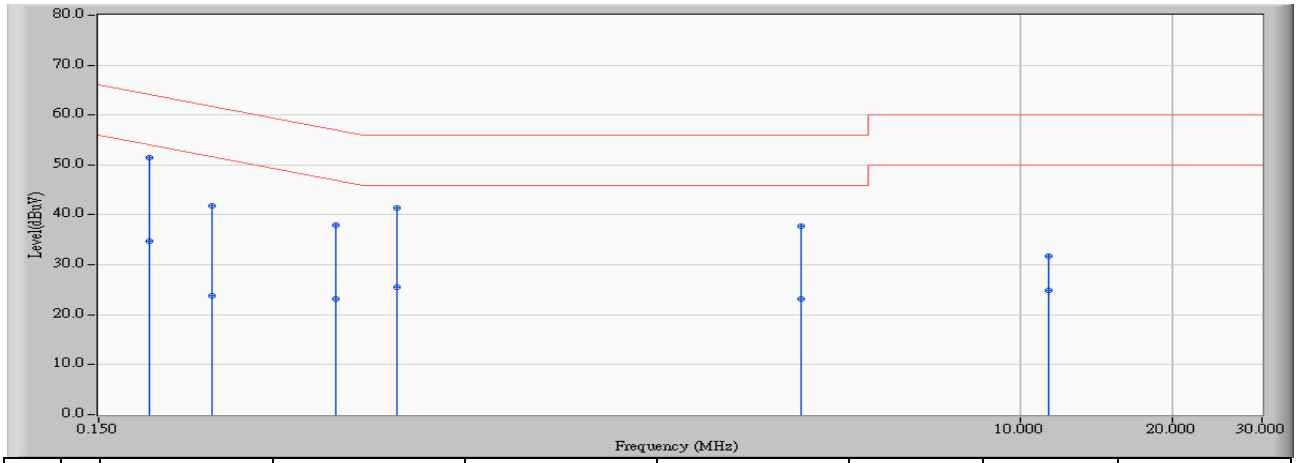


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.162	9.810	29.710	39.520	-25.855	65.375	QUASIPEAK
2		0.162	9.810	12.860	22.670	-32.705	55.375	AVERAGE
3	*	0.197	9.810	36.160	45.970	-17.771	63.741	QUASIPEAK
4		0.197	9.810	23.140	32.950	-20.791	53.741	AVERAGE
5		0.244	9.812	28.260	38.072	-23.895	61.967	QUASIPEAK
6		0.244	9.812	18.180	27.992	-23.975	51.967	AVERAGE
7		0.373	9.819	19.880	29.699	-28.743	58.442	QUASIPEAK
8		0.373	9.819	8.170	17.989	-30.453	48.442	AVERAGE
9		3.263	9.948	21.450	31.397	-24.603	56.000	QUASIPEAK
10		3.263	9.948	10.220	20.167	-25.833	46.000	AVERAGE
11		10.302	10.198	22.680	32.878	-27.122	60.000	QUASIPEAK
12		10.302	10.198	16.720	26.918	-23.082	50.000	AVERAGE

Note:

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

Site : SR2	**Time : 2015/01/26 - 15:12**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-4_0825 - Line1	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 2: Transmit_ MU30-5120250-A1 802.11n(40MHz)_5230MHz**

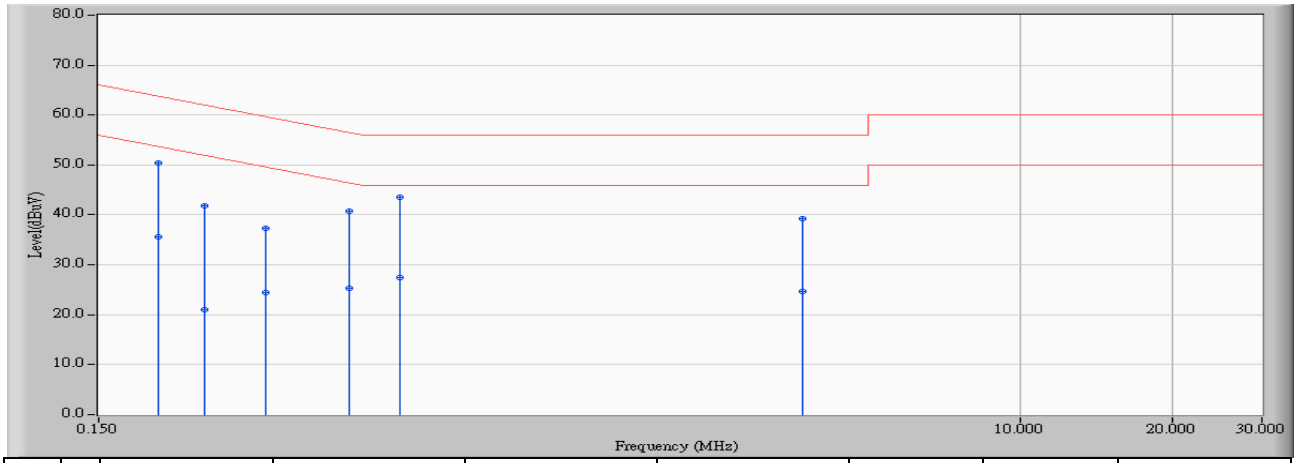


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.189	9.760	41.650	51.410	-12.668	64.078	QUASIPEAK
2		0.189	9.760	24.940	34.700	-19.378	54.078	AVERAGE
3		0.252	9.758	32.010	41.768	-19.938	61.705	QUASIPEAK
4		0.252	9.758	14.040	23.798	-27.908	51.705	AVERAGE
5		0.443	9.751	28.300	38.051	-18.955	57.006	QUASIPEAK
6		0.443	9.751	13.310	23.061	-23.945	47.006	AVERAGE
7		0.584	9.761	31.730	41.491	-14.509	56.000	QUASIPEAK
8		0.584	9.761	15.800	25.561	-20.439	46.000	AVERAGE
9		3.689	9.901	27.740	37.642	-18.358	56.000	QUASIPEAK
10		3.689	9.901	13.160	23.062	-22.938	46.000	AVERAGE
11		11.365	10.123	21.630	31.753	-28.247	60.000	QUASIPEAK
12		11.365	10.123	14.720	24.843	-25.157	50.000	AVERAGE

Note:

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

Site : SR2	**Time : 2015/01/26 - 15:17**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-4_0825 - Line2	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 2: Transmit_ MU30-5120250-A1 802.11n(40MHz)_5230MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.197	9.810	40.620	50.430	-13.311	63.741	QUASIPEAK
2		0.197	9.810	25.750	35.560	-18.181	53.741	AVERAGE
3		0.244	9.812	31.950	41.762	-20.205	61.967	QUASIPEAK
4		0.244	9.812	11.300	21.112	-30.855	51.967	AVERAGE
5		0.322	9.816	27.590	37.406	-22.252	59.658	QUASIPEAK
6		0.322	9.816	14.670	24.486	-25.172	49.658	AVERAGE
7		0.470	9.820	30.840	40.660	-15.848	56.508	QUASIPEAK
8		0.470	9.820	15.470	25.290	-21.218	46.508	AVERAGE
9	*	0.591	9.829	33.750	43.579	-12.421	56.000	QUASIPEAK
10		0.591	9.829	17.520	27.349	-18.651	46.000	AVERAGE
11		3.712	9.971	29.190	39.161	-16.839	56.000	QUASIPEAK
12		3.712	9.971	14.800	24.771	-21.229	46.000	AVERAGE

Note:

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

3. 99% & 26dB Bandwidth

3.1. Test Equipment

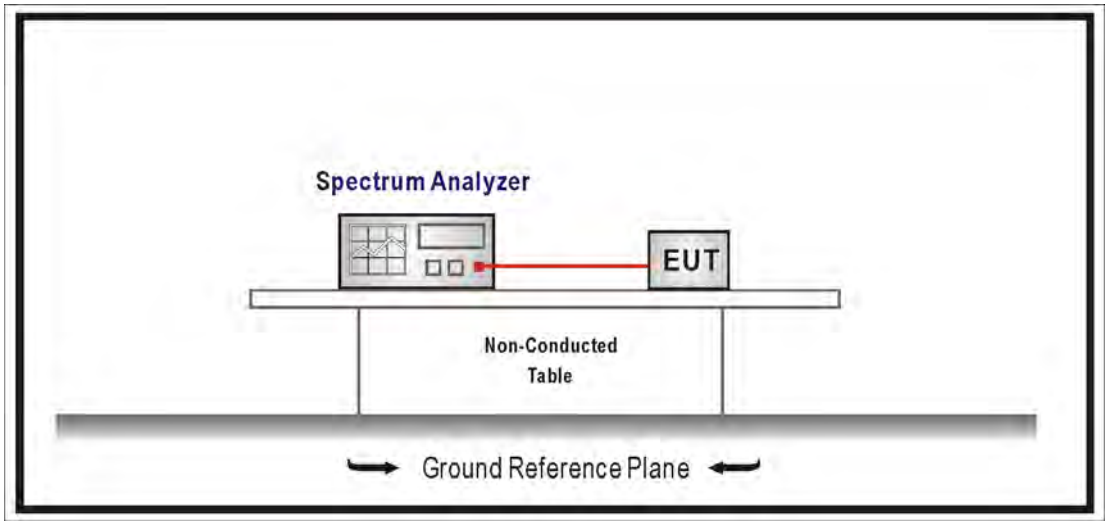
The following test equipments are used during the radiated emission tests:

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

99% & 26dB Bandwidth : No Required

3.4. Test Procedure

99% & 26dB Bandwidth :
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

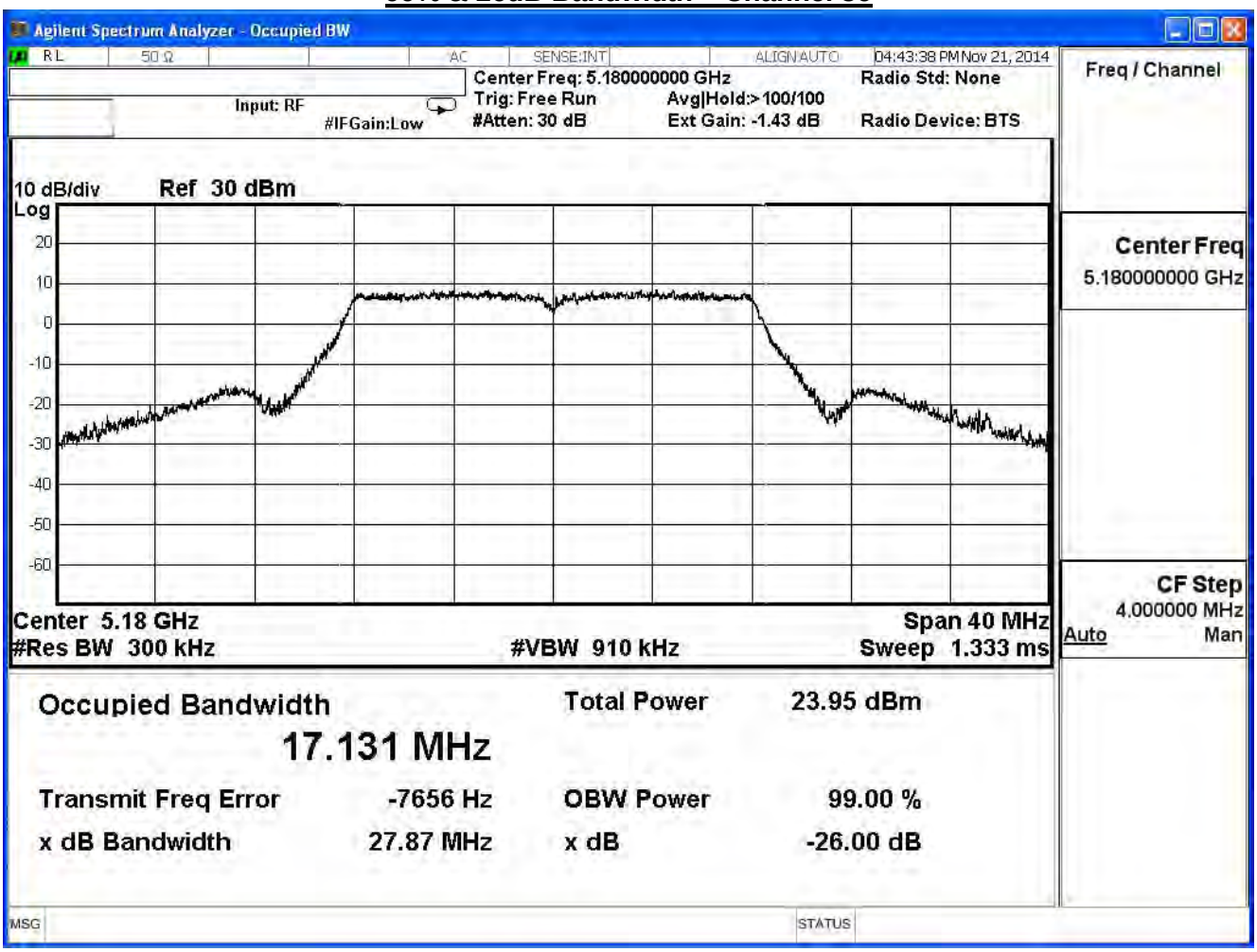
The measurement uncertainty is defined as ±150Hz

3.6. Test Result

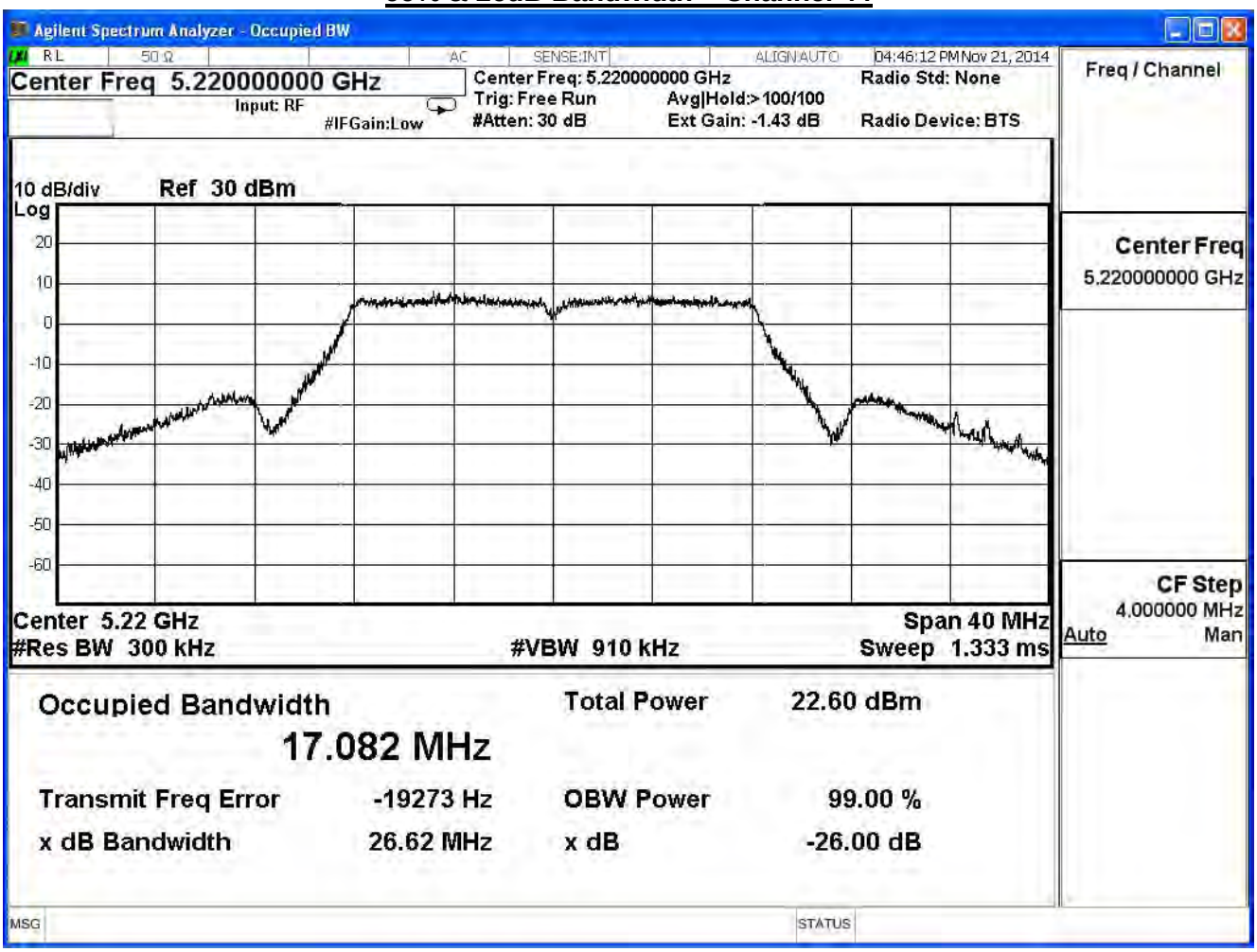
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/23	Test Site	SR7

802.11a (ANT 0)				
Channel No.	Frequency (MHz)	26dB BW (MHz)	99 % OBW (MHz)	Limit (MHz)
36	5180	27.870	17.131	--
44	5220	26.620	17.082	--
48	5240	28.710	17.172	--

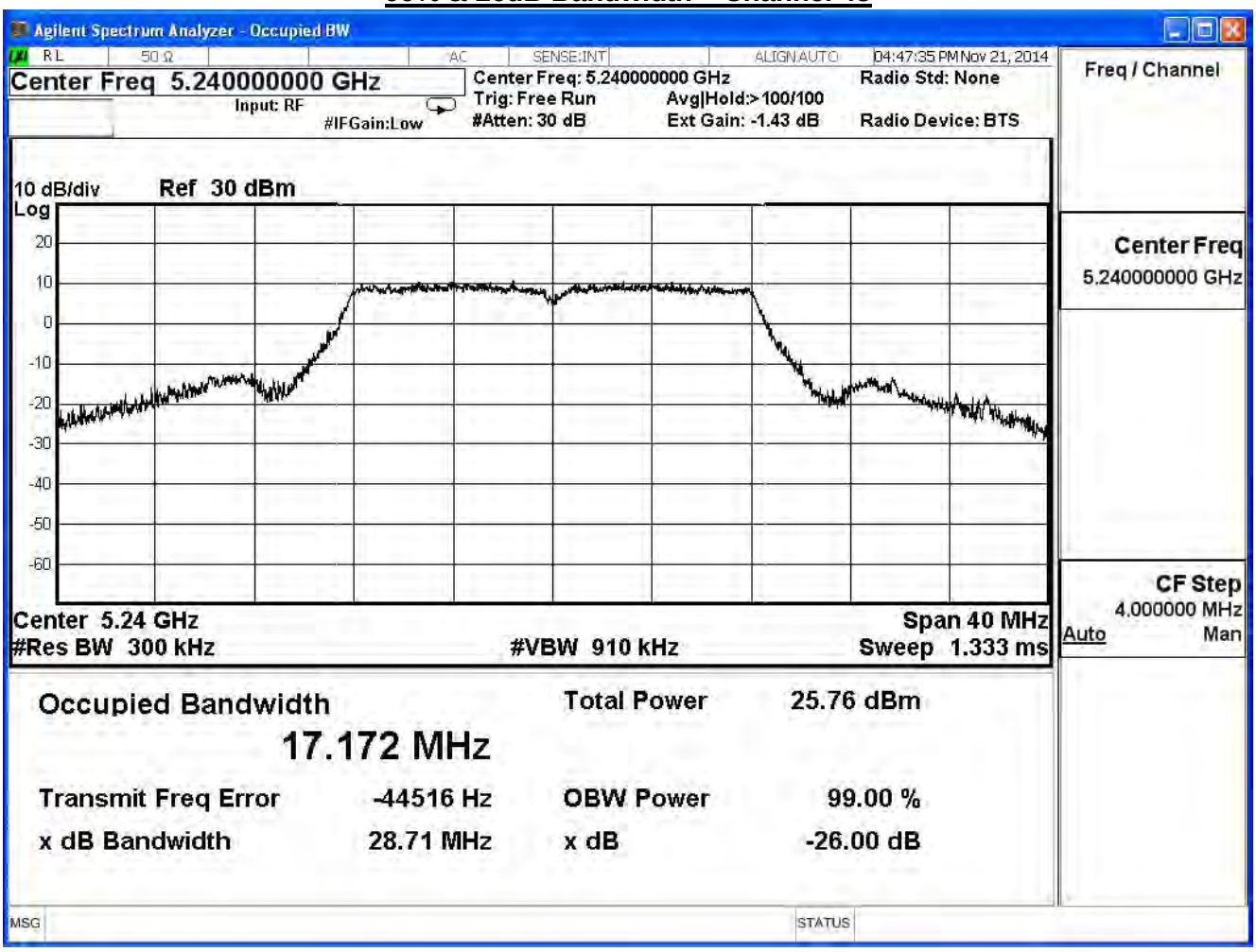
99% & 26dB Bandwidth – Channel 36



99% & 26dB Bandwidth – Channel 44



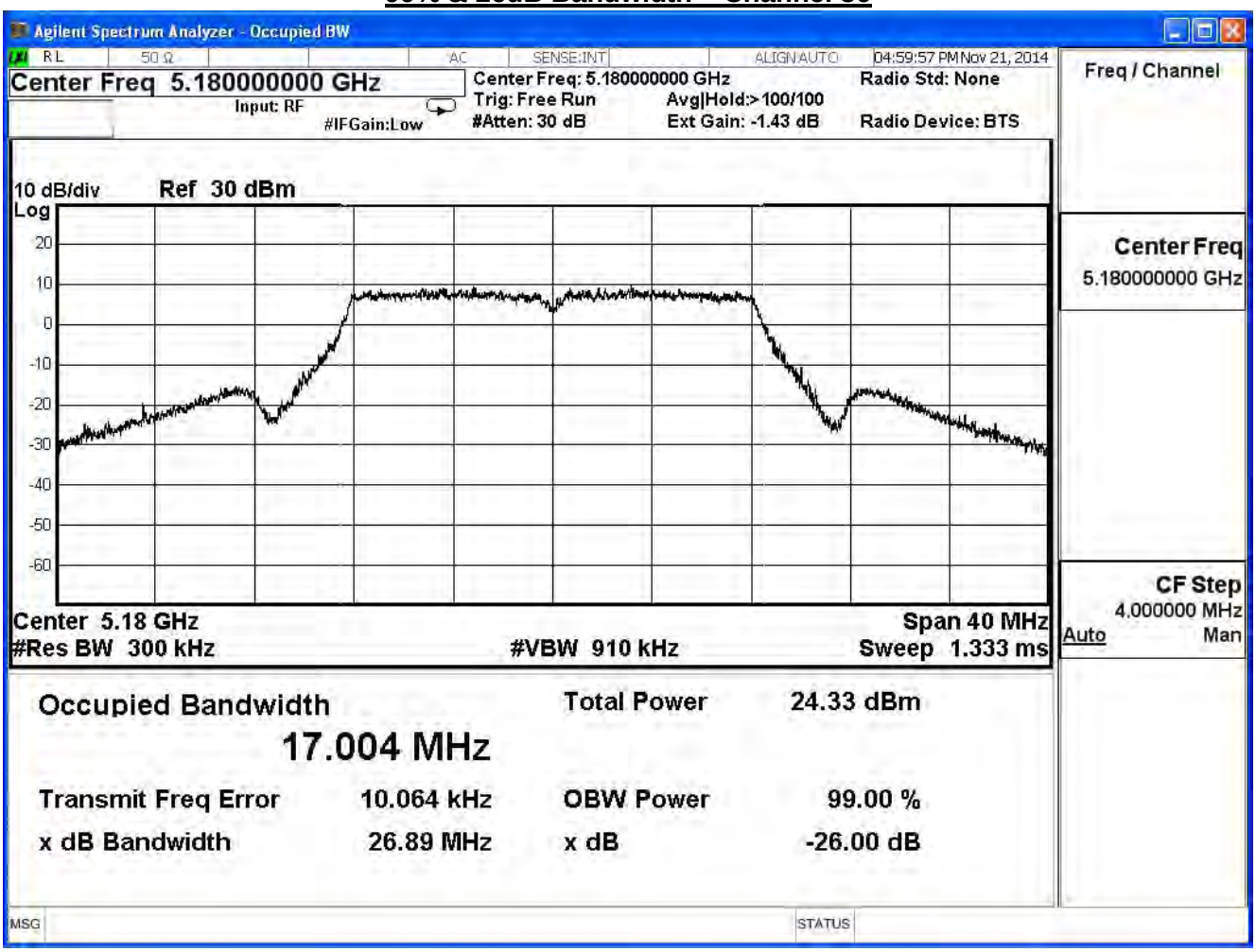
99% & 26dB Bandwidth – Channel 48



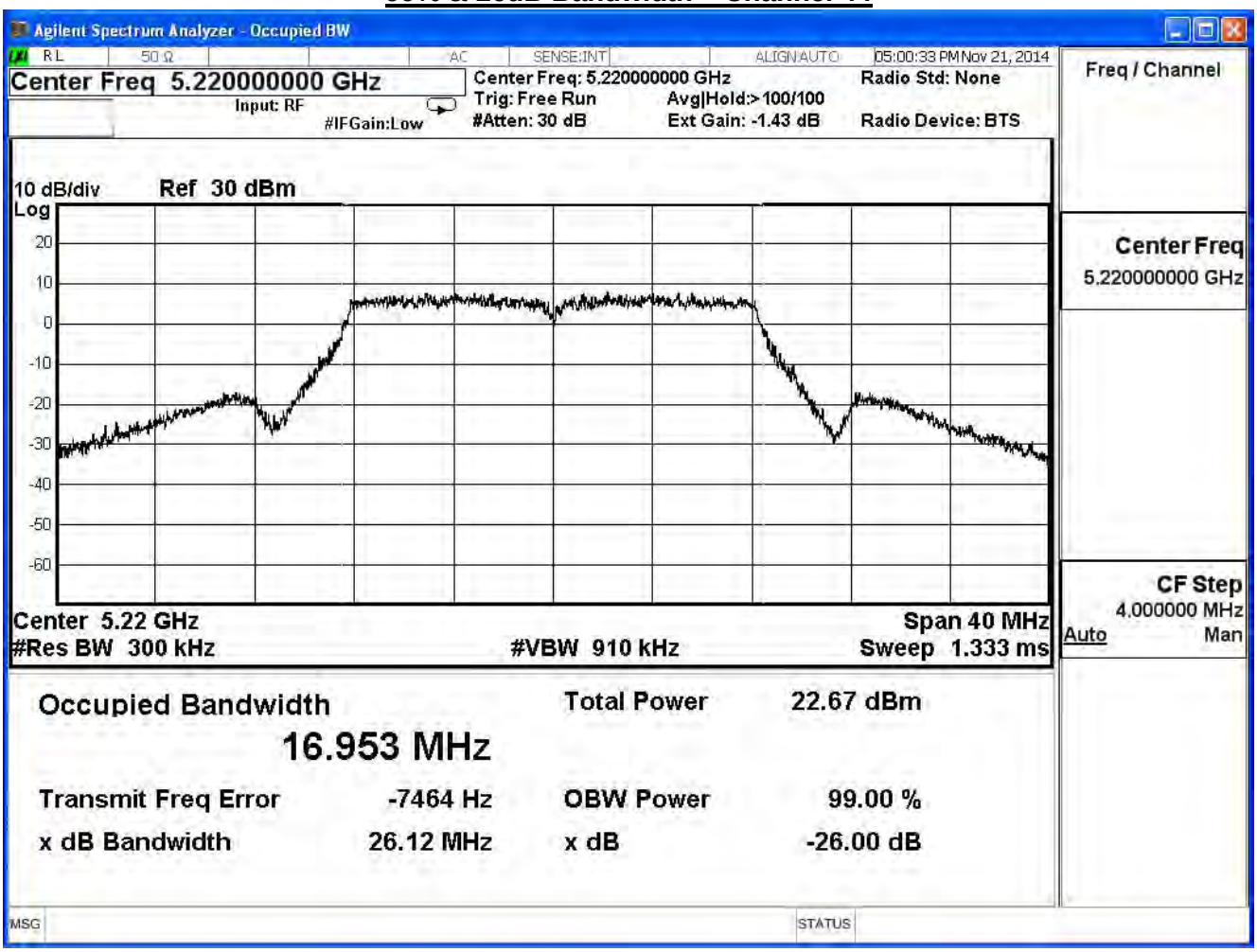
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/23	Test Site	SR7

802.11a (ANT 1)				
Channel No.	Frequency (MHz)	26dB BW (MHz)	99 % OBW (MHz)	Limit (MHz)
36	5180	26.890	17.004	--
44	5220	26.120	16.953	--
48	5240	26.510	17.026	--

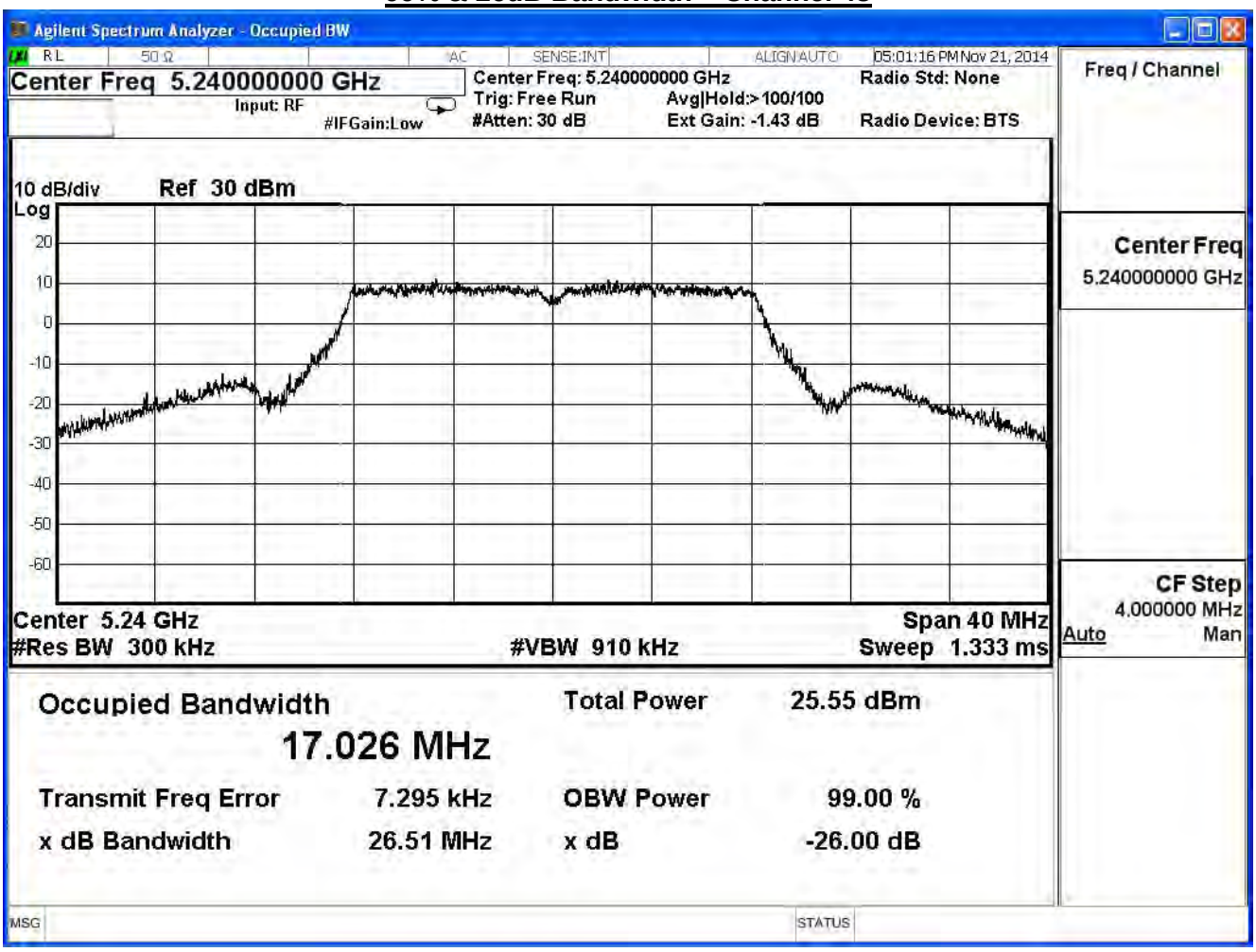
99% & 26dB Bandwidth – Channel 36



99% & 26dB Bandwidth – Channel 44



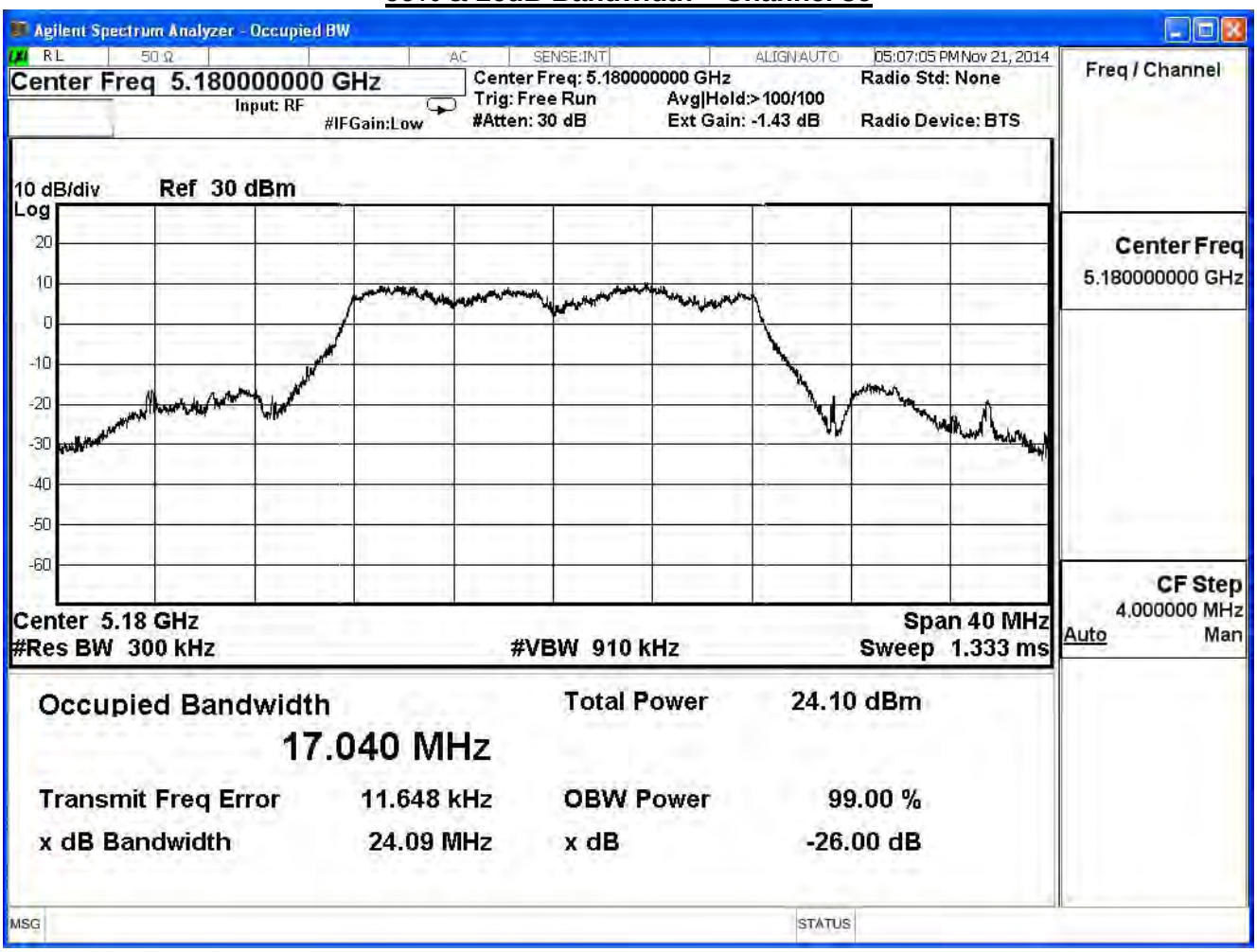
99% & 26dB Bandwidth – Channel 48



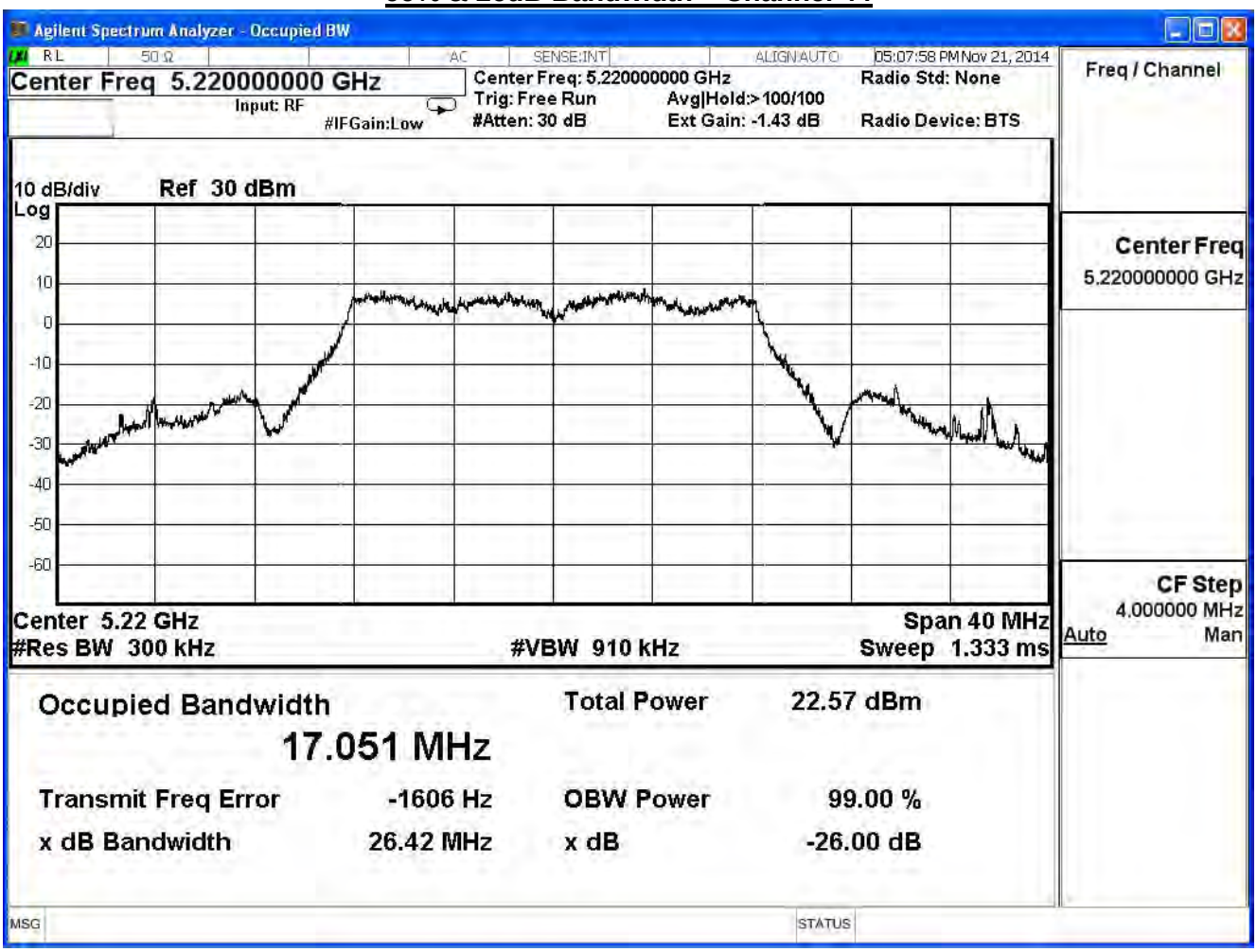
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/23	Test Site	SR7

802.11a (ANT 2)				
Channel No.	Frequency (MHz)	26dB BW (MHz)	99 % OBW (MHz)	Limit (MHz)
36	5180	24.090	17.040	--
44	5220	26.420	17.051	--
48	5240	26.790	17.050	--

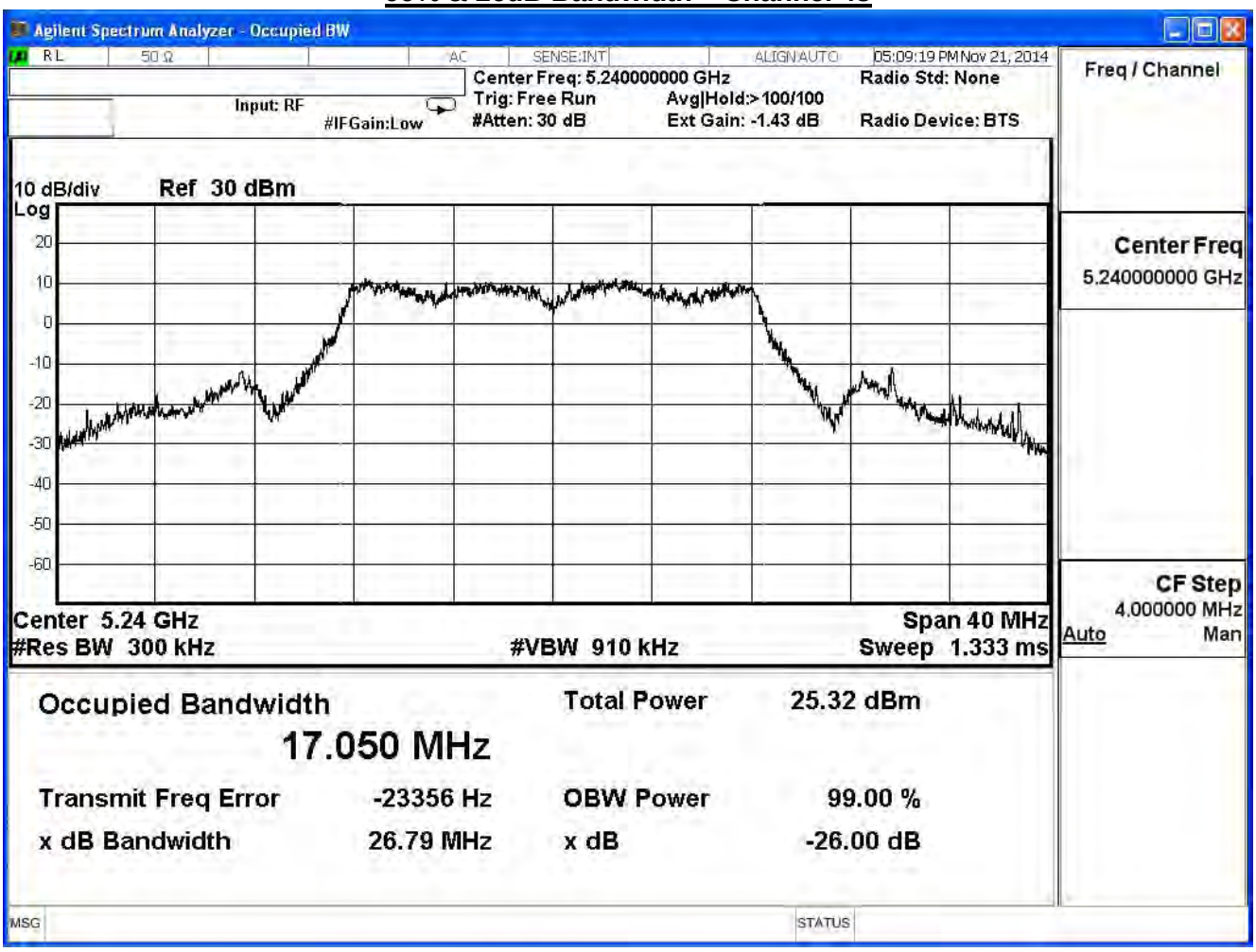
99% & 26dB Bandwidth – Channel 36



99% & 26dB Bandwidth – Channel 44



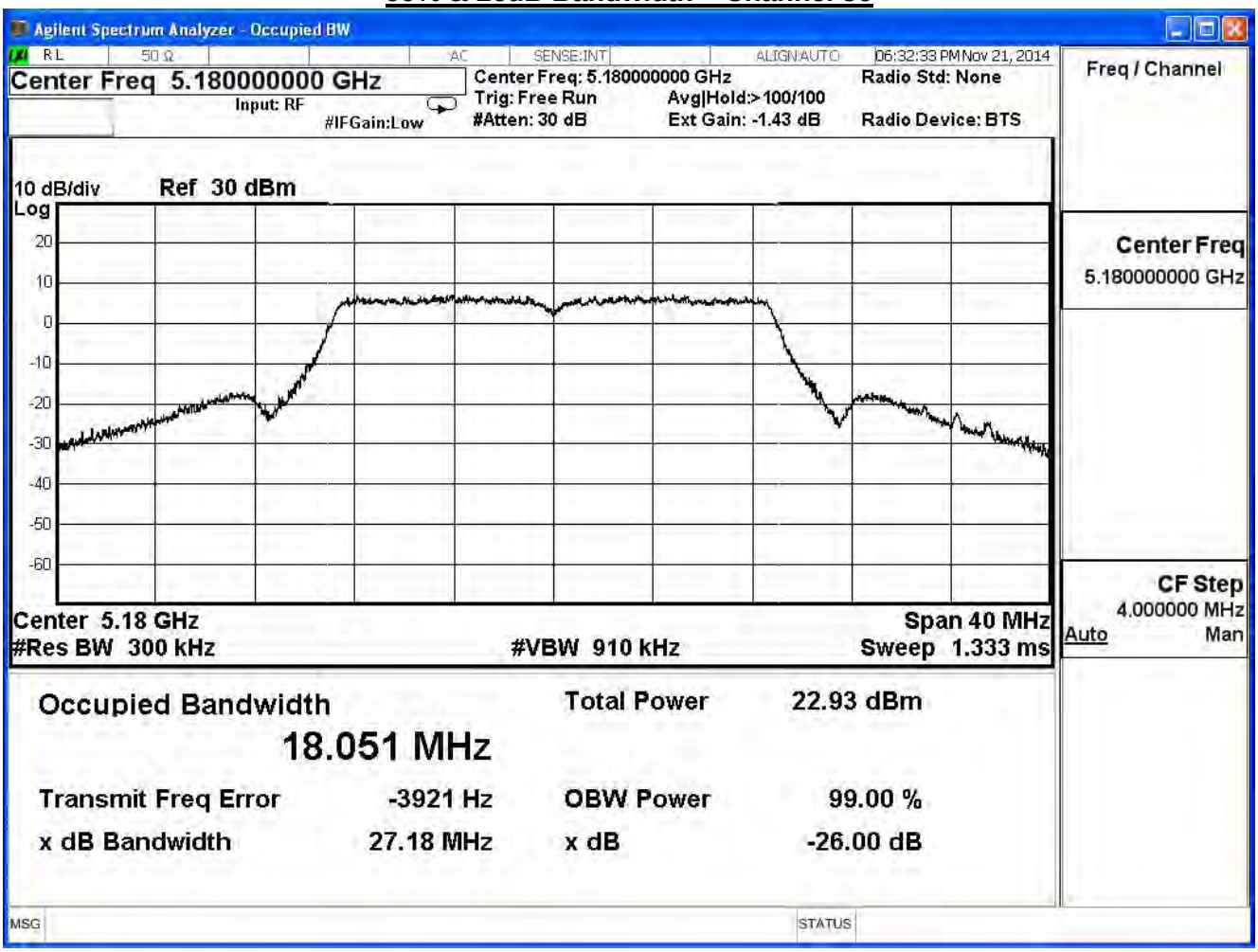
99% & 26dB Bandwidth – Channel 48



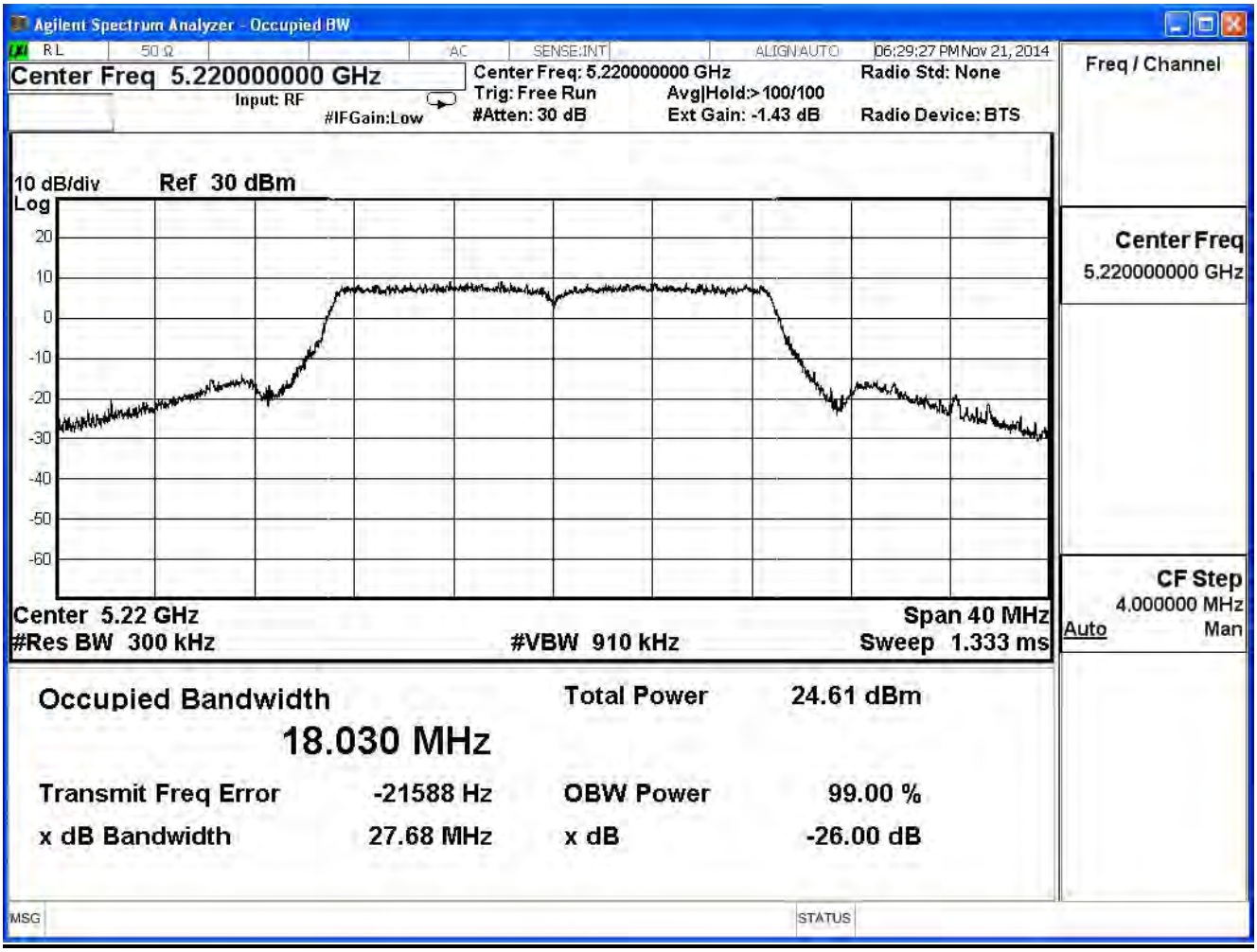
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/23	Test Site	SR7

802.11n_20M(ANT 0)				
Channel No.	Frequency (MHz)	26dB BW (MHz)	99 % OBW (MHz)	Limit (MHz)
36	5180	27.180	18.051	--
44	5220	27.680	18.030	--
48	5240	29.160	18.216	--

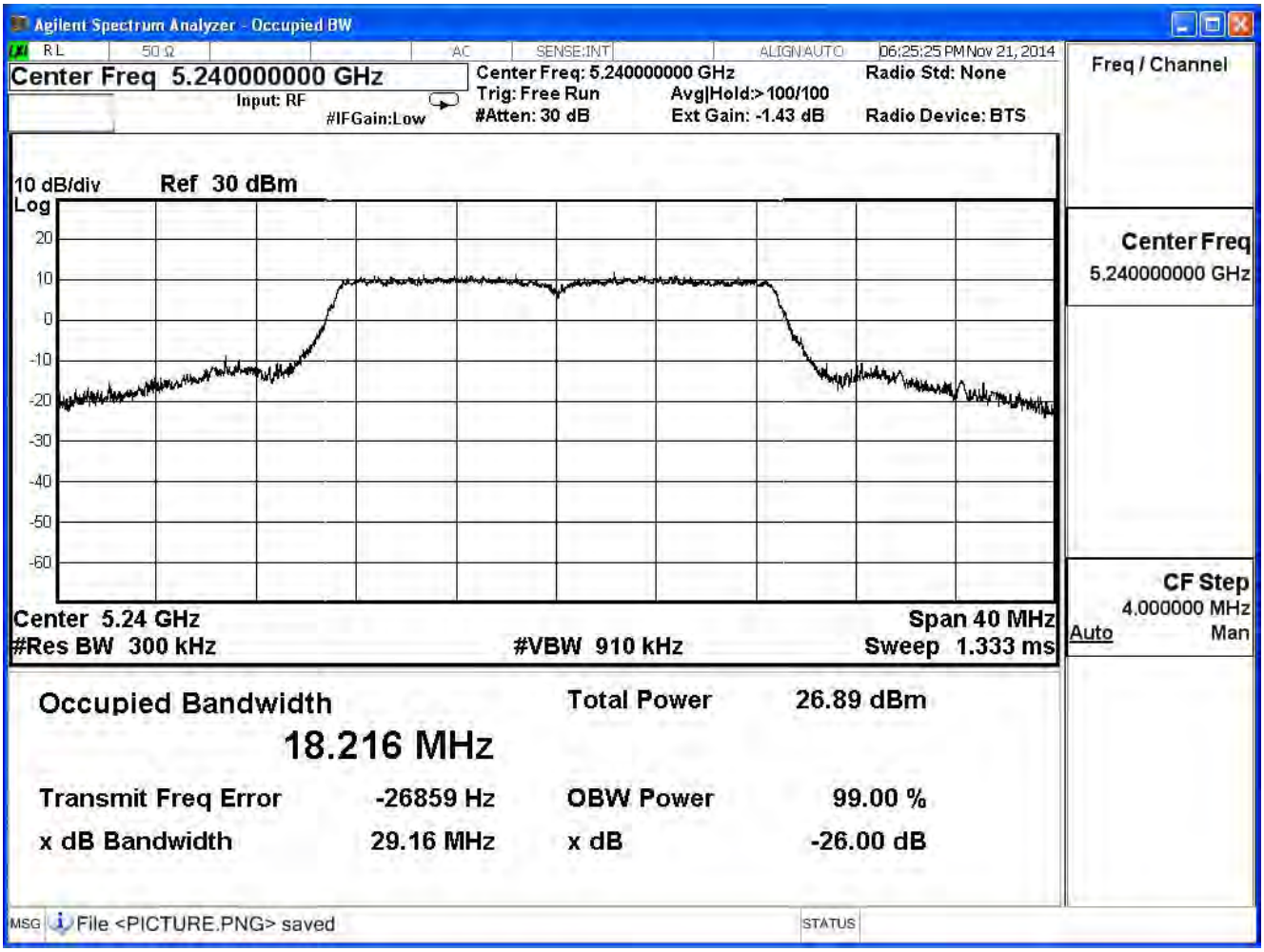
99% & 26dB Bandwidth – Channel 36



99% & 26dB Bandwidth – Channel 44



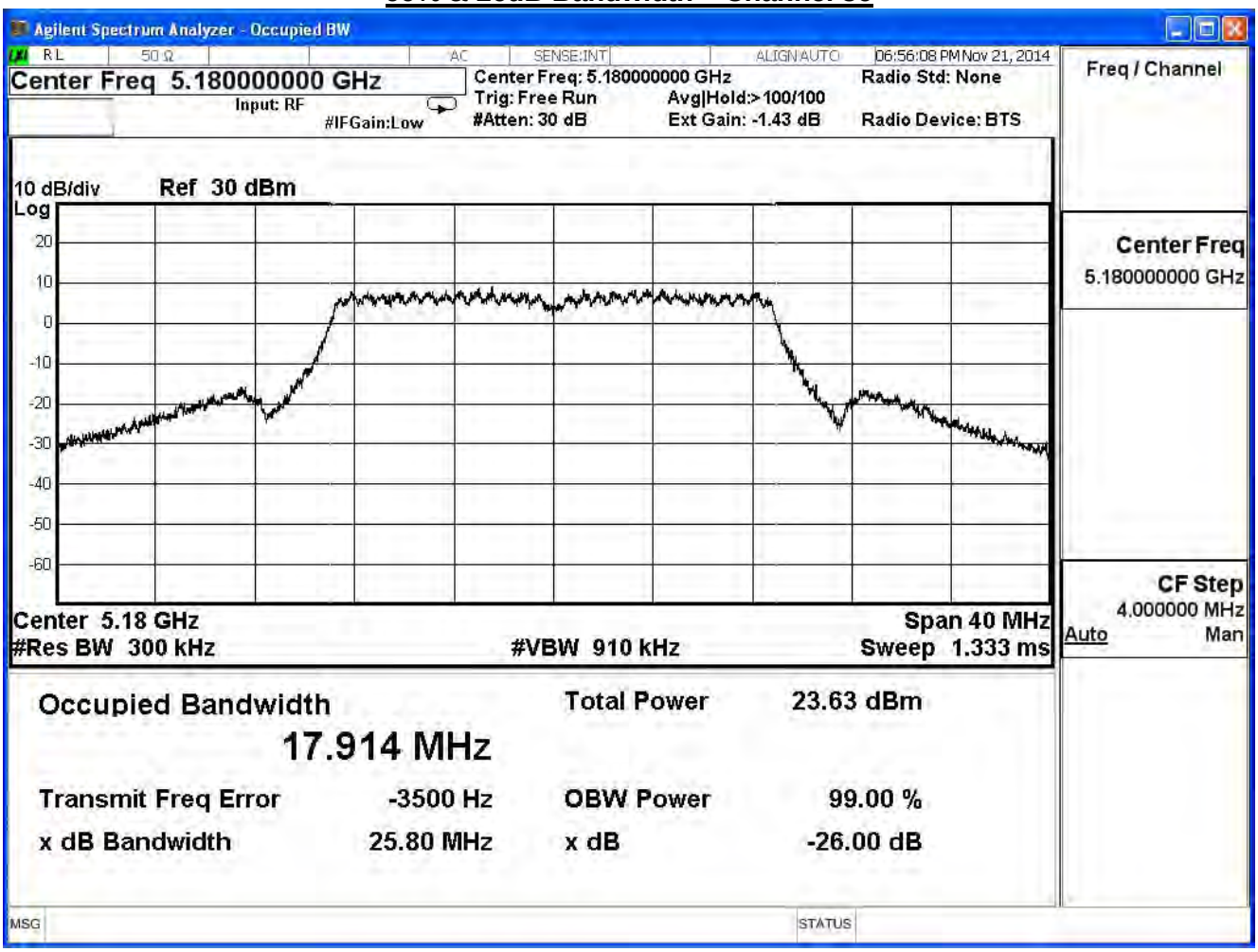
99% & 26dB Bandwidth – Channel 48



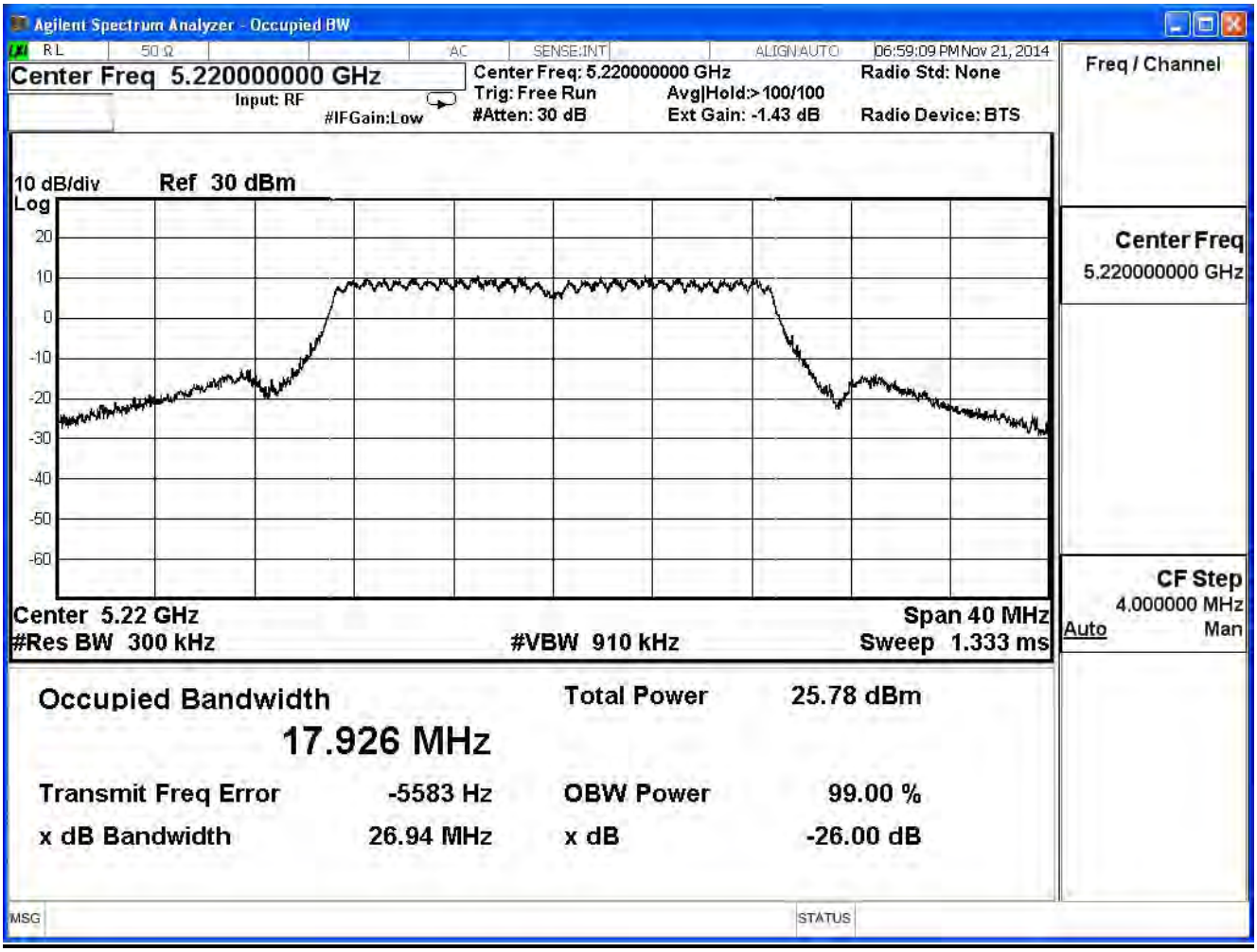
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/23	Test Site	SR7

802.11n_20M(ANT 1)				
Channel No.	Frequency (MHz)	26dB BW (MHz)	99 % OBW (MHz)	Limit (MHz)
36	5180	25.800	17.914	--
44	5220	26.940	17.926	--
48	5240	28.530	18.013	--

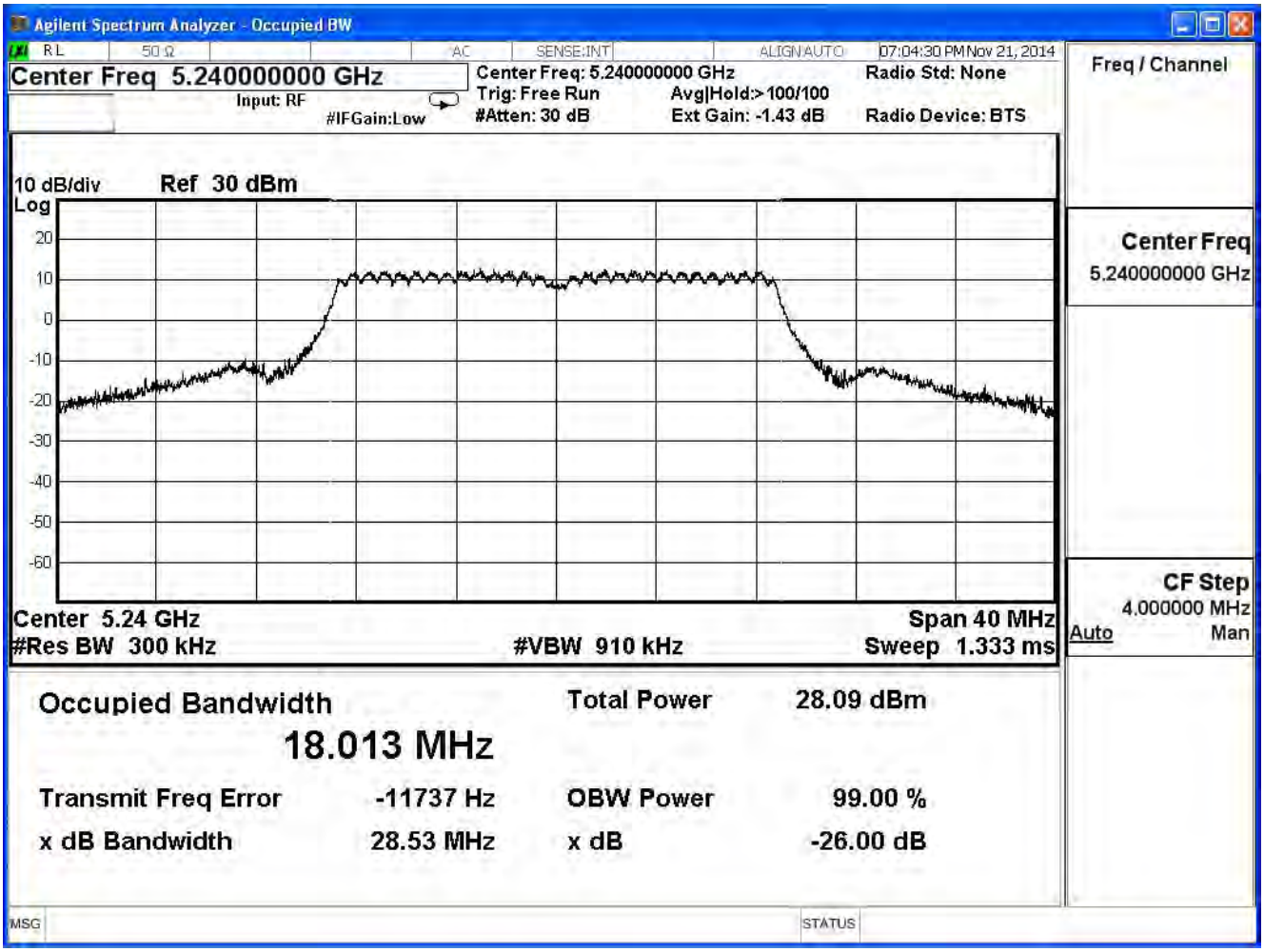
99% & 26dB Bandwidth – Channel 36



99% & 26dB Bandwidth – Channel 44



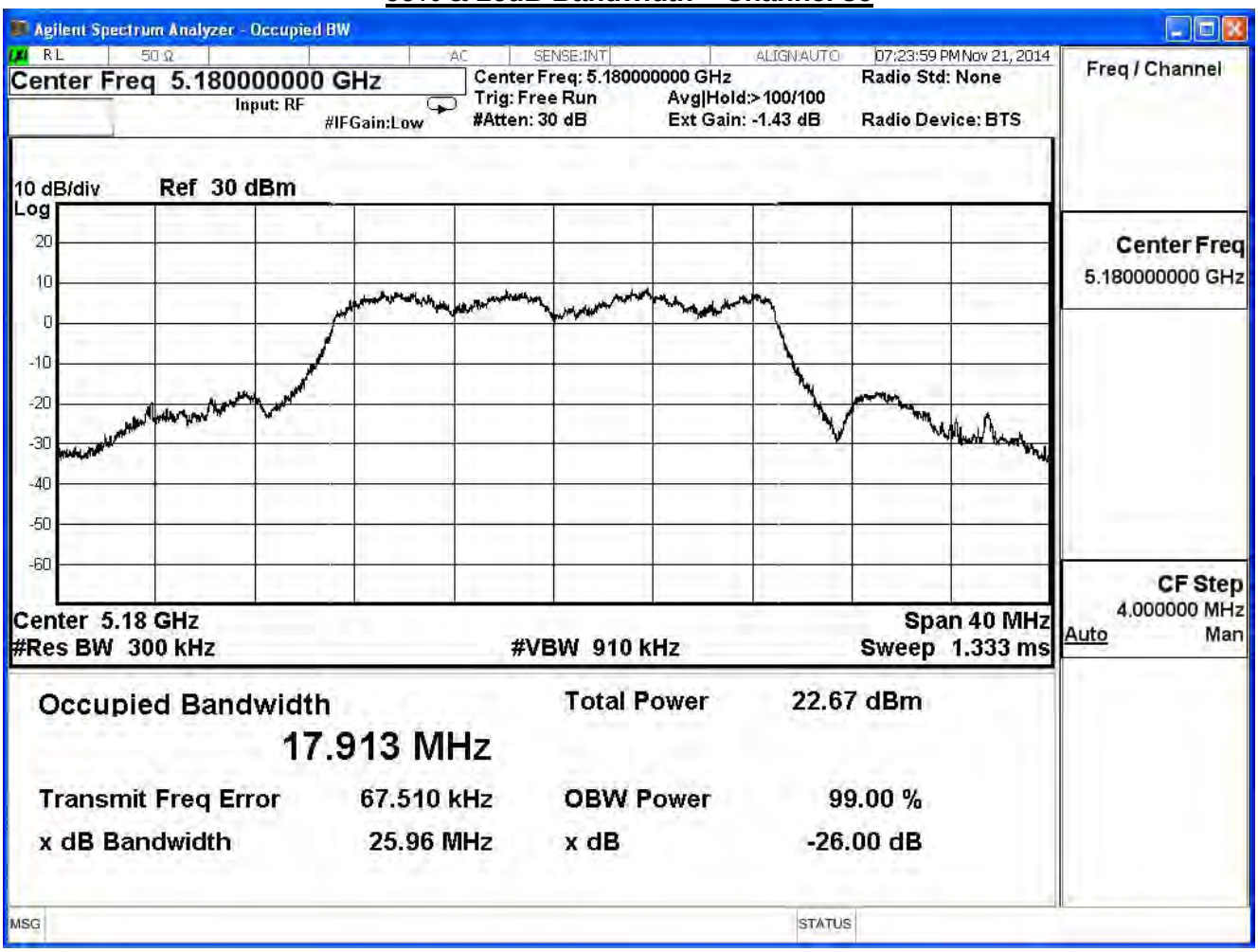
99% & 26dB Bandwidth – Channel 48



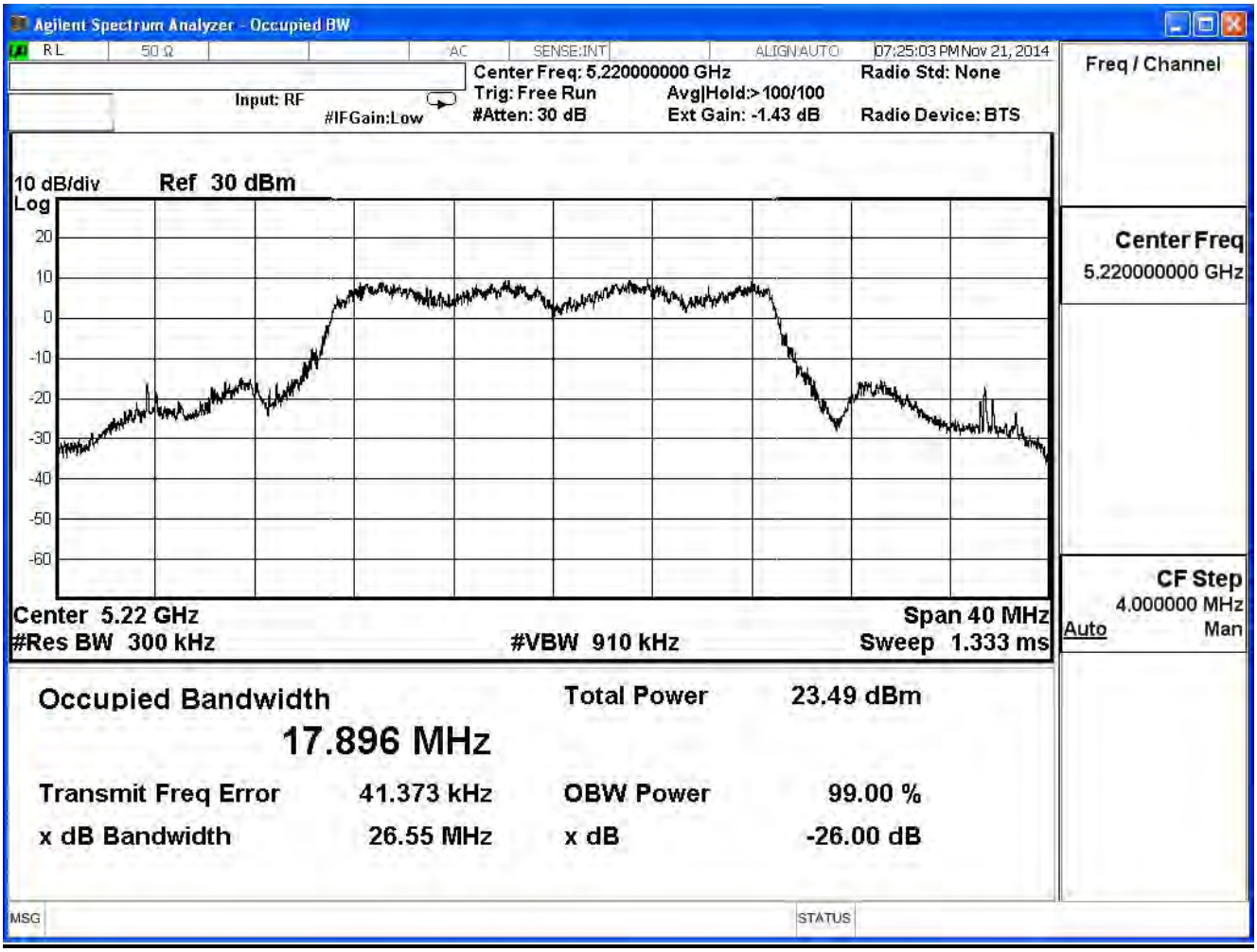
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/23	Test Site	SR7

802.11n_20M(ANT 2)				
Channel No.	Frequency (MHz)	26dB BW (MHz)	99 % OBW (MHz)	Limit (MHz)
36	5180	25.960	17.913	--
44	5220	26.550	17.896	--
48	5240	27.700	17.914	--

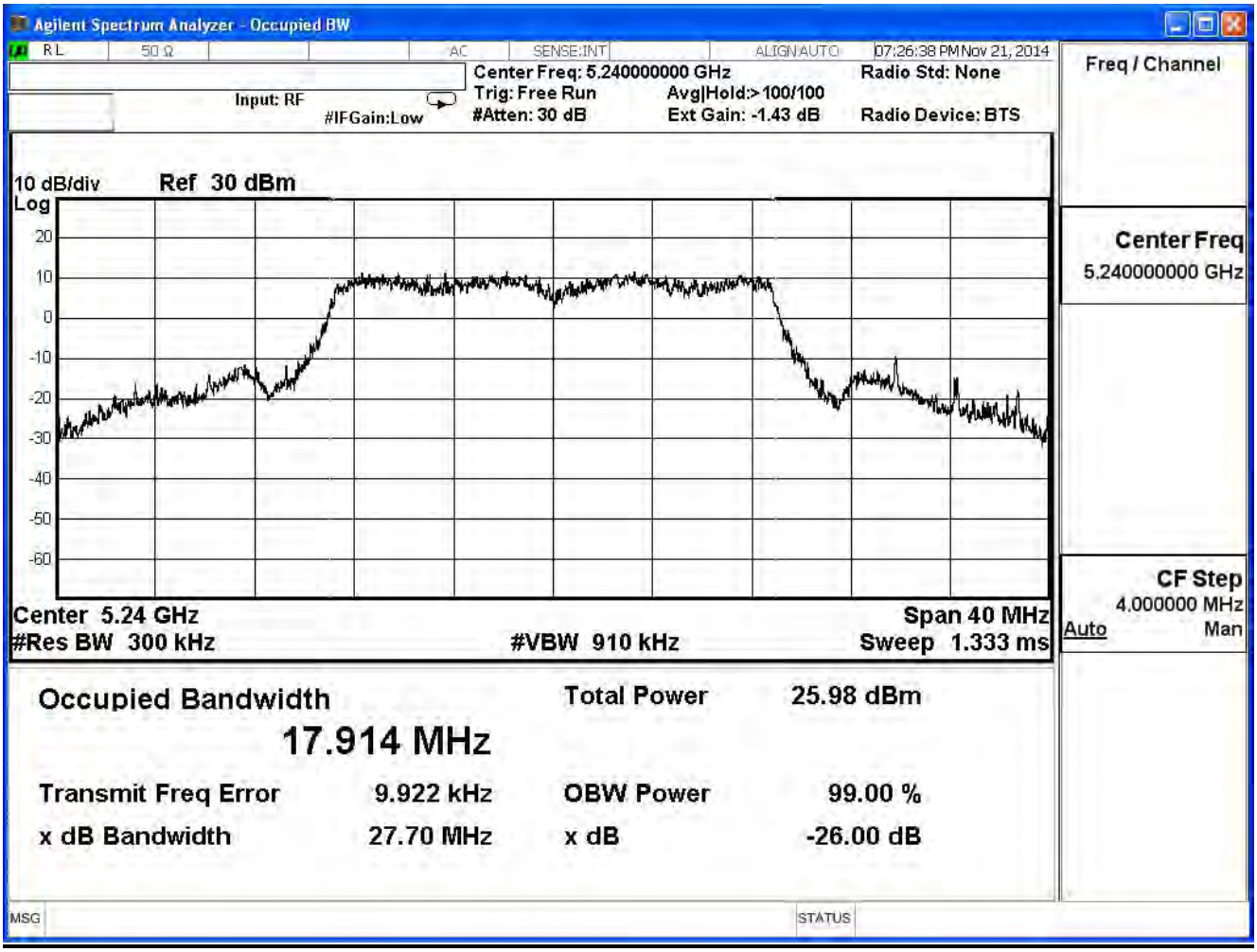
99% & 26dB Bandwidth – Channel 36



99% & 26dB Bandwidth – Channel 44



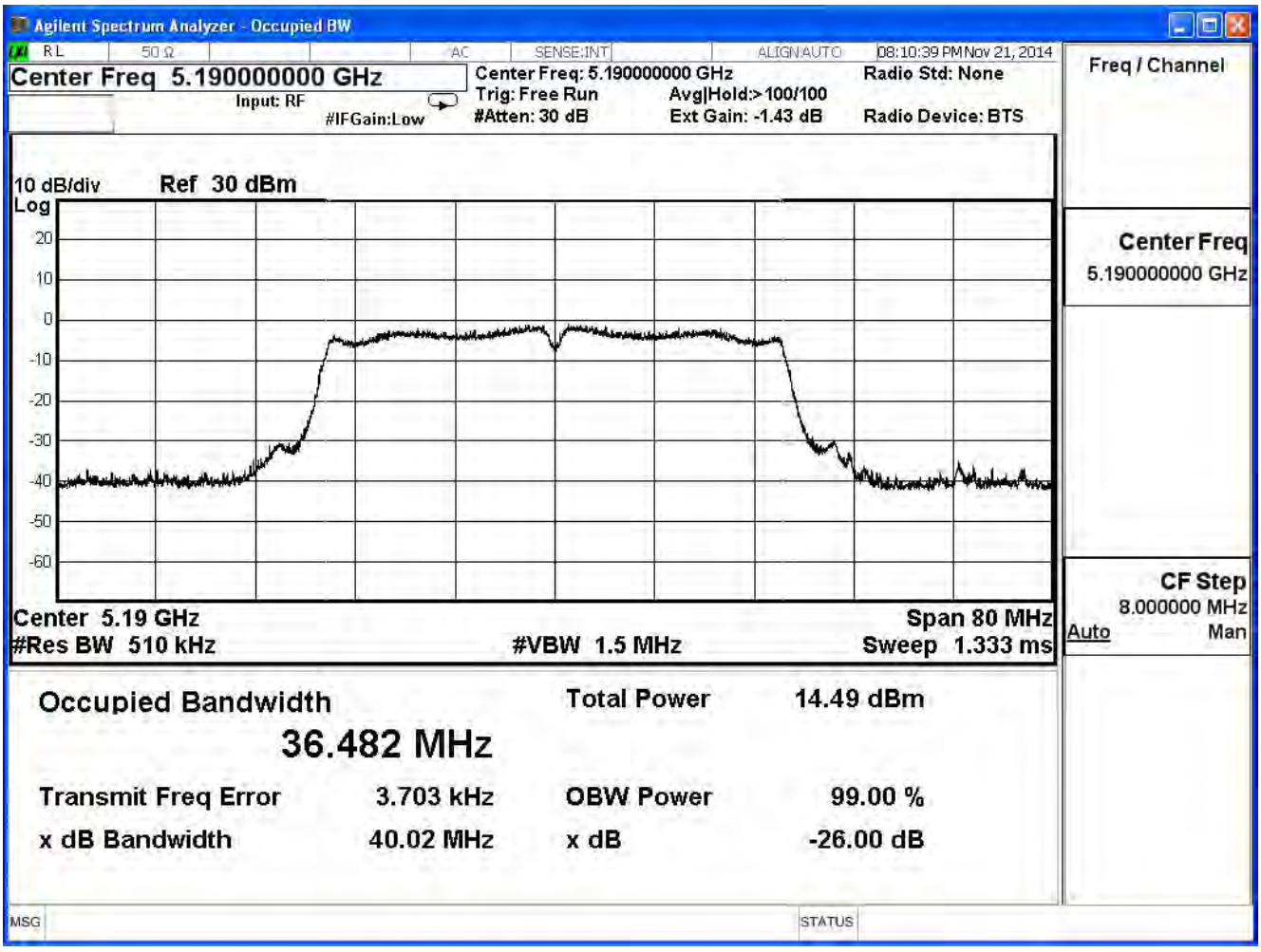
99% & 26dB Bandwidth – Channel 48



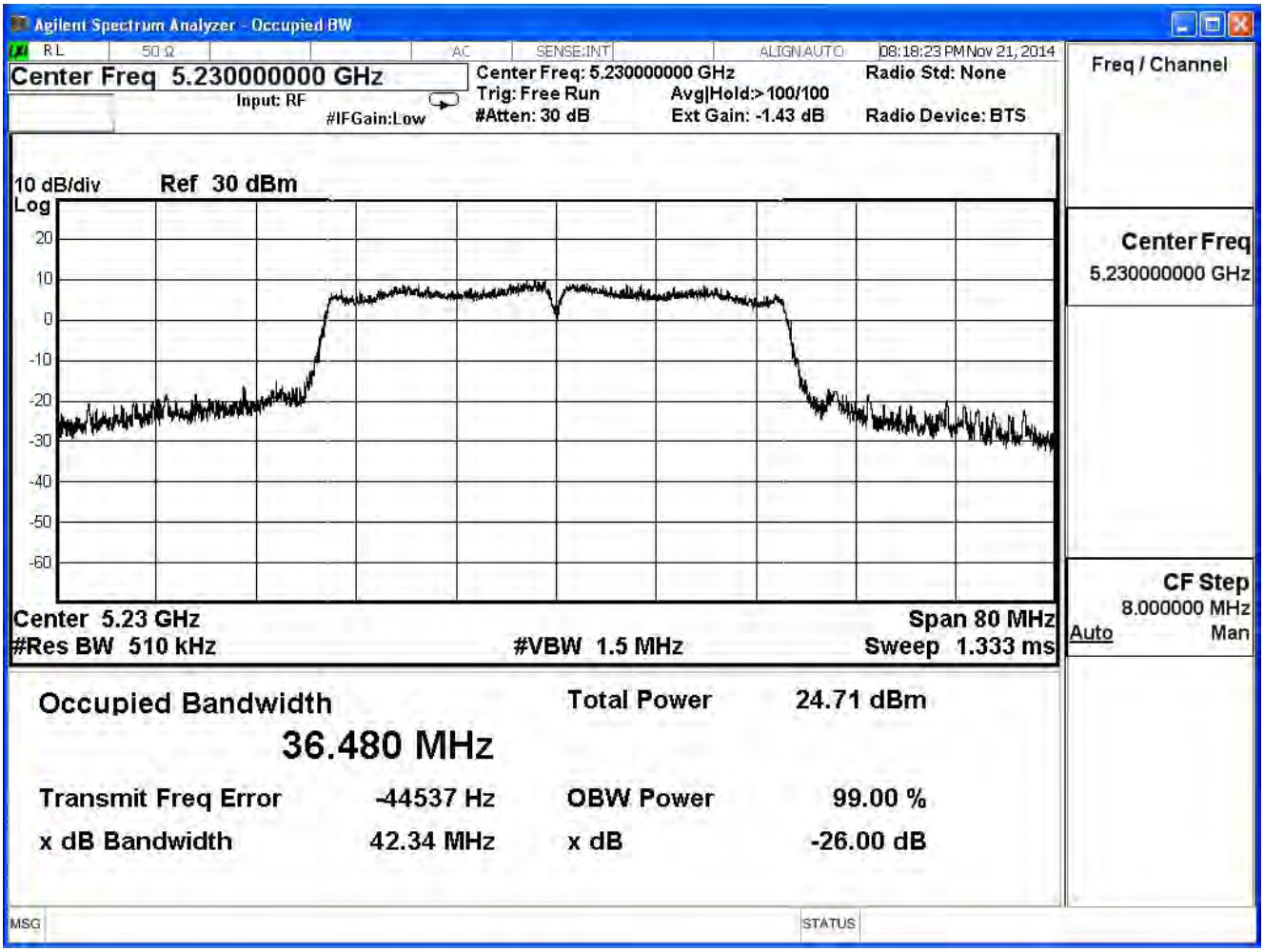
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/23	Test Site	SR7

802.11n_40M(ANT 0)				
Channel No.	Frequency (MHz)	26dB BW (MHz)	99 % OBW (MHz)	Limit (MHz)
38	5190	40.020	36.482	--
46	5230	42.340	36.480	--

99% & 26dB Bandwidth – Channel 38



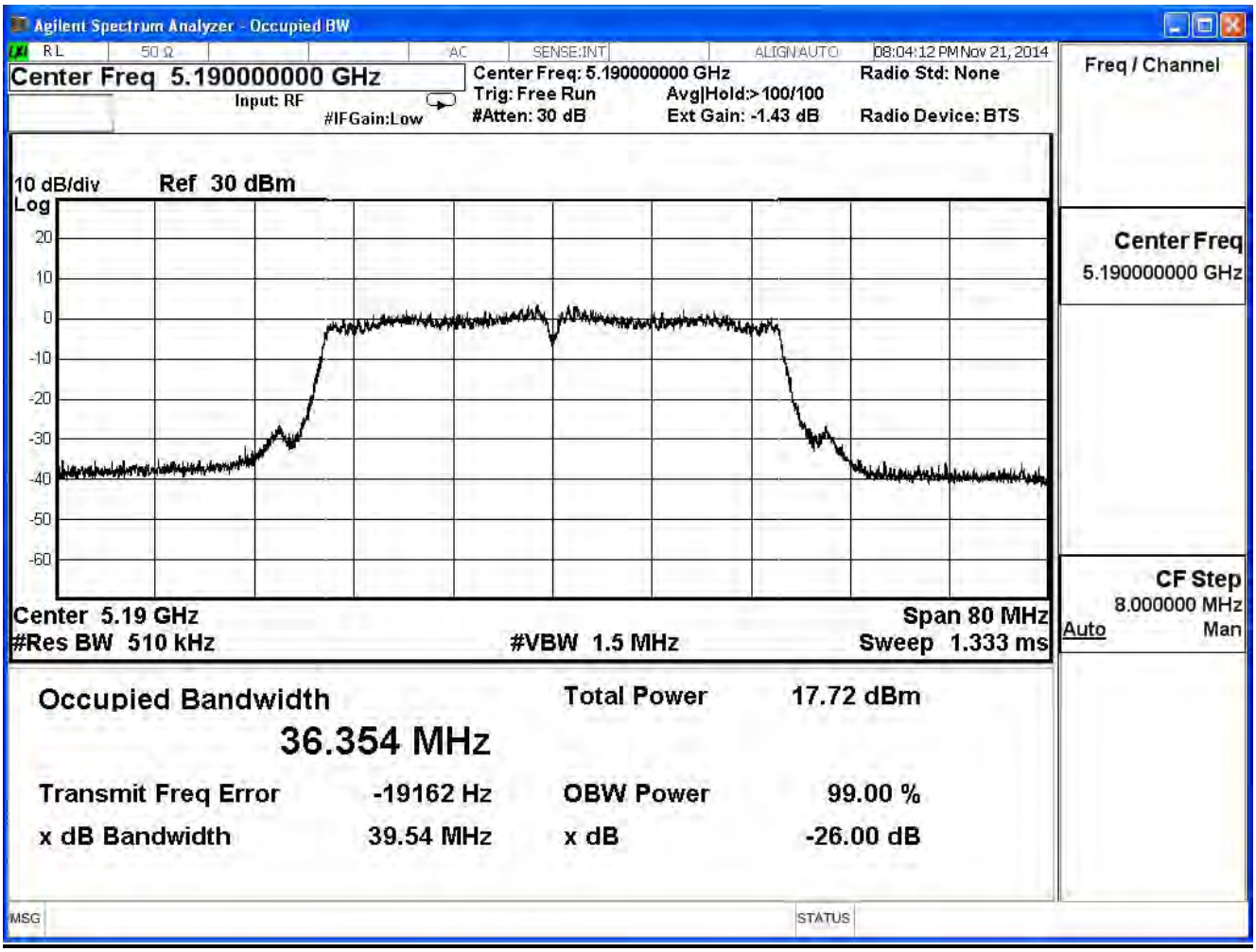
99% & 26dB Bandwidth – Channel 46



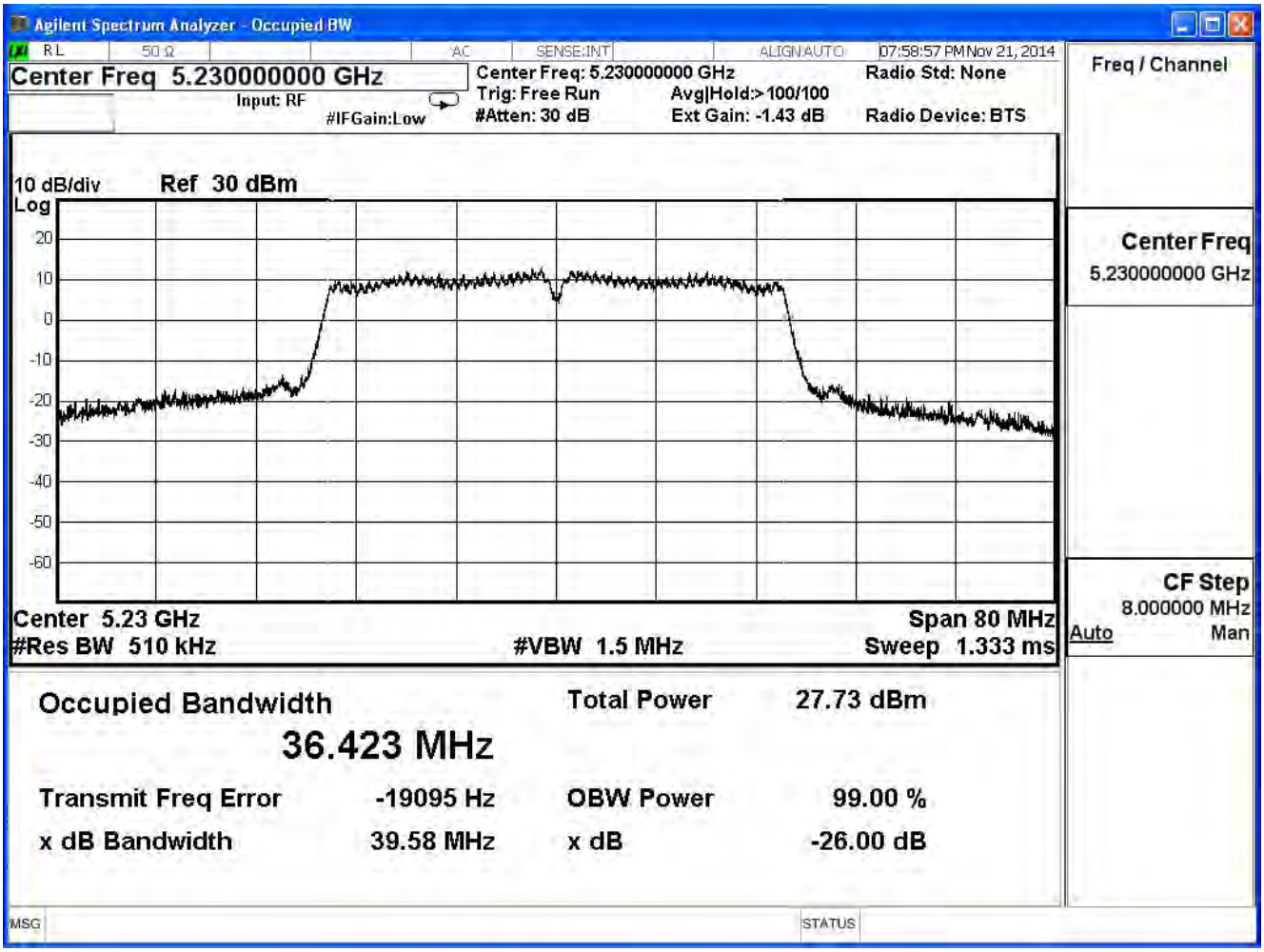
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/23	Test Site	SR7

802.11n_40M(ANT 1)				
Channel No.	Frequency (MHz)	26dB BW (MHz)	99 % OBW (MHz)	Limit (MHz)
38	5190	39.540	36.354	--
46	5230	39.580	36.423	--

99% & 26dB Bandwidth – Channel 38



99% & 26dB Bandwidth – Channel 46

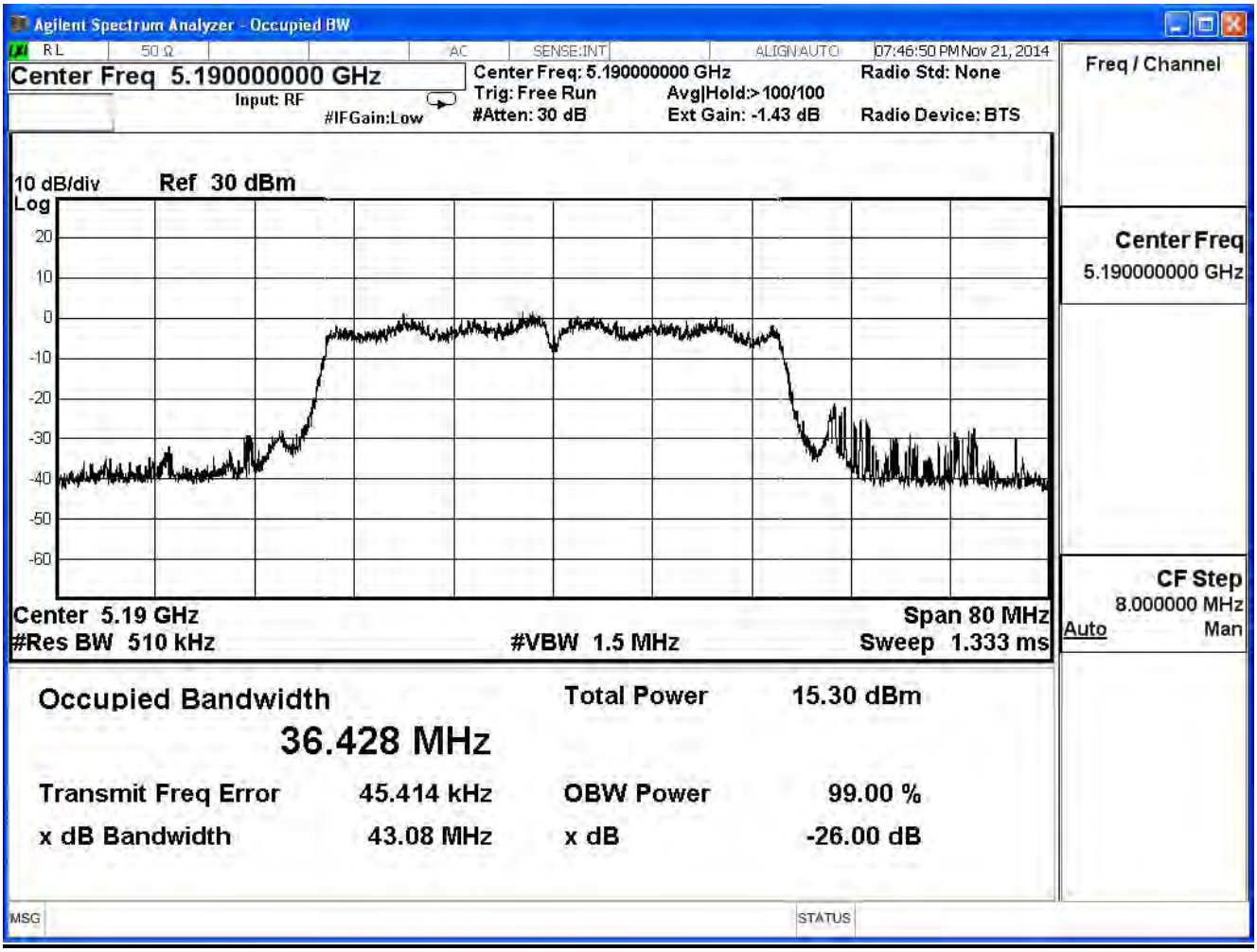


Product	Gigabit Router Dual-band Wireless-N900		
Test Item	99% & 26dB Bandwidth		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/23	Test Site	SR7

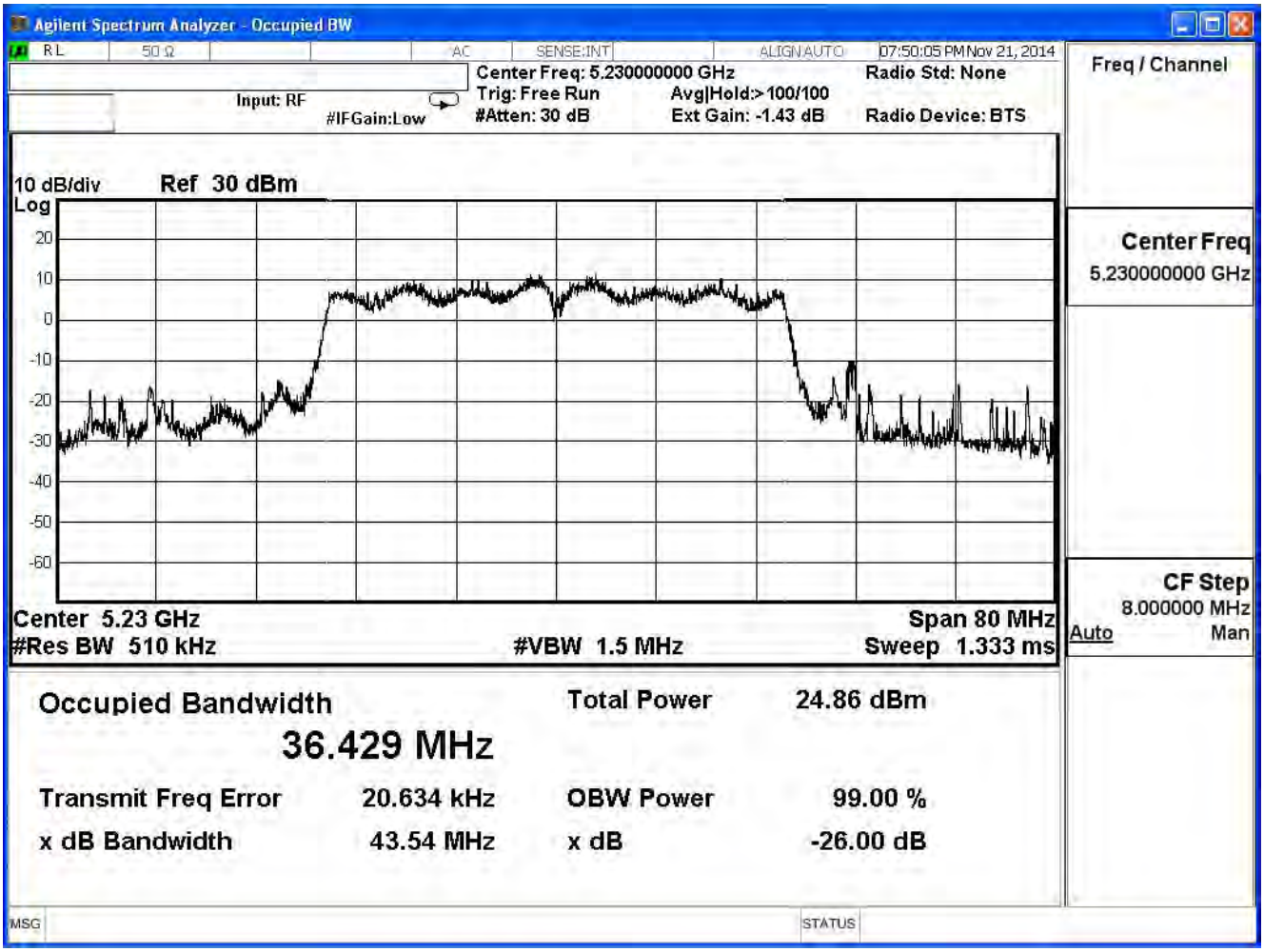
802.11n_40M(ANT 2)

Channel No.	Frequency (MHz)	26dB BW (MHz)	99 % OBW (MHz)	Limit (MHz)
38	5190	43.080	36.428	--
46	5230	43.540	36.429	--

99% & 26dB Bandwidth – Channel 38



99% & 26dB Bandwidth – Channel 46



4. Peak Transmit Output

4.1. Test Equipment

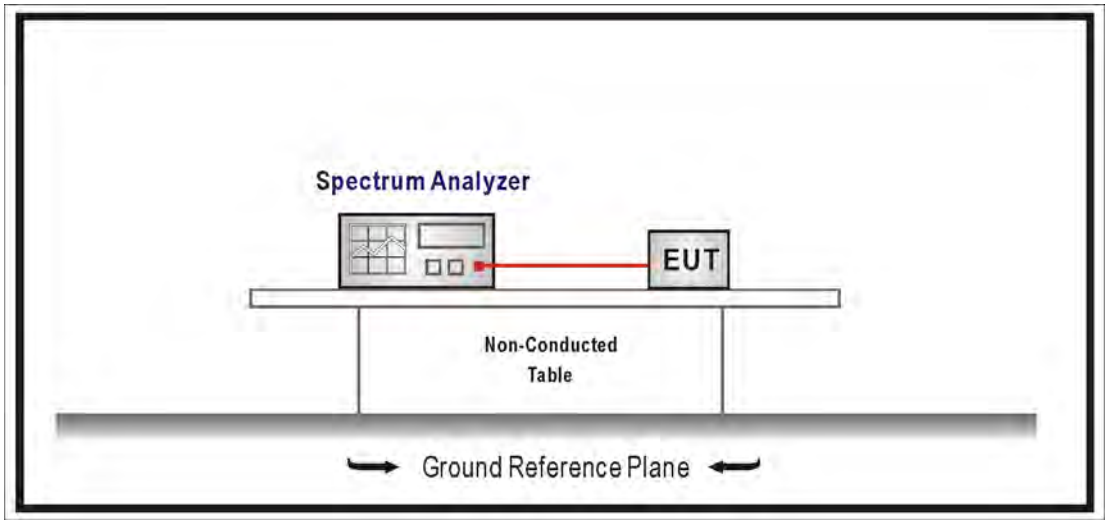
The following test equipments are used during the radiated emission tests:

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. If transmitting antenna of directional gain greater than 6 dBi are used, the peak transmit power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.
2. For the band 5.25-5.35 GHz, the peak transmit power over the frequency band of operation shall not exceed the lesser of 250 mW. If transmitting antenna of directional gain greater than 6 dBi are used, the peak transmit power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.
3. For the band 5.725-5.850 GHz, the peak transmit power over the frequency band of operation shall not exceed the lesser of 1W. If transmitting antenna of directional gain greater than 6 dBi are used, the peak transmit power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.

4.4. Test Procedure

The EUT was setup to ANSI C63.10: 2009; 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

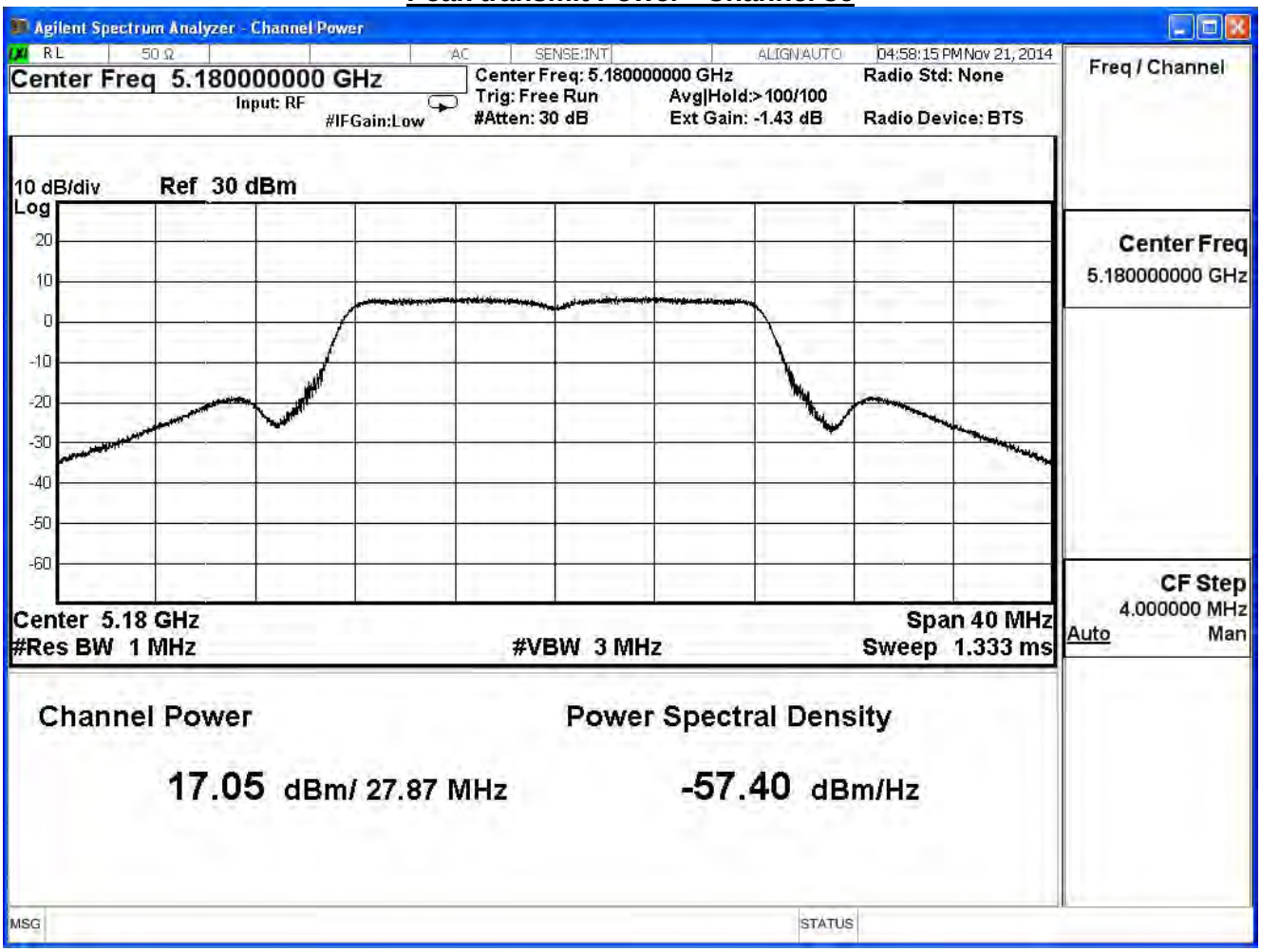
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/23	Test Site	SR7

802.11a (ANT 0)-AP and Bridge mode					
Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Required Limit	Result
36	5180	27.870	17.050	≤30	Pass
44	5220	26.620	16.020	≤30	Pass
48	5240	28.710	19.050	≤30	Pass

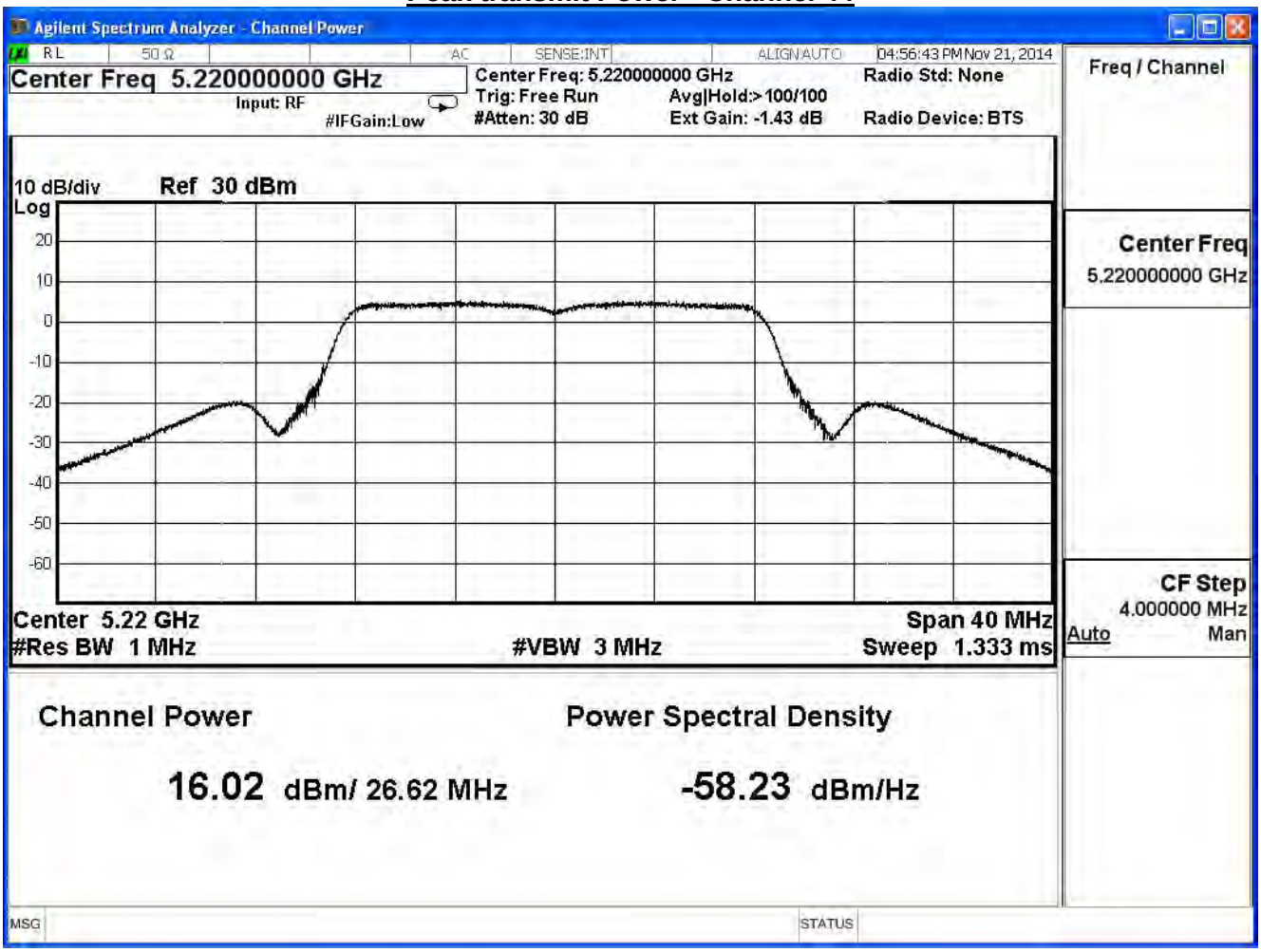
The worst emission of data rate is 6Mbps.

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
36	5180	17.05	--	--	--	--	--	--	30dBm
44	5220	16.02	15.80	15.70	15.60	15.36	15.12	14.97	
48	5240	19.05	--	--	--	--	--	--	

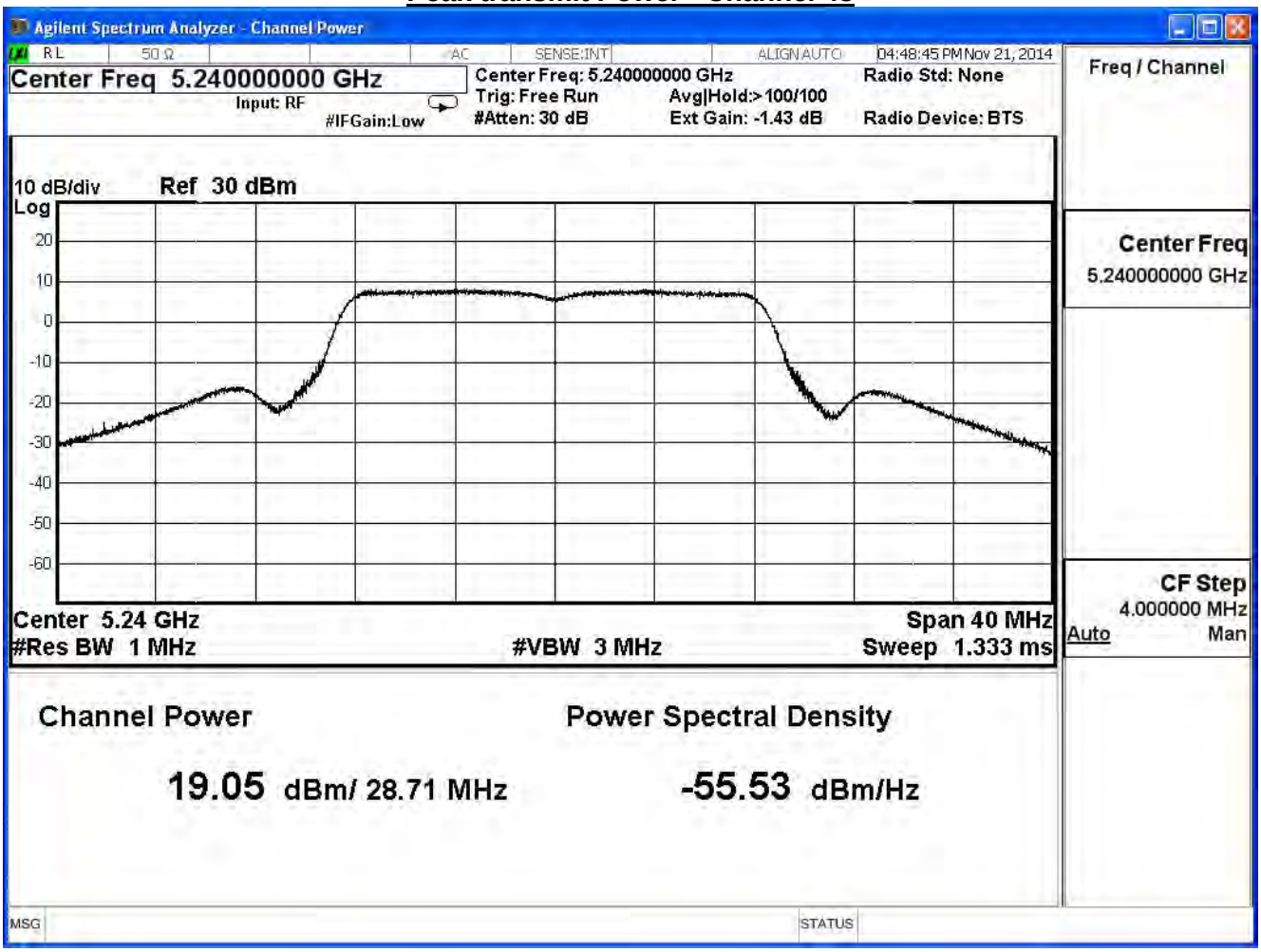
Peak transmit Power - Channel 36



Peak transmit Power - Channel 44



Peak transmit Power - Channel 48



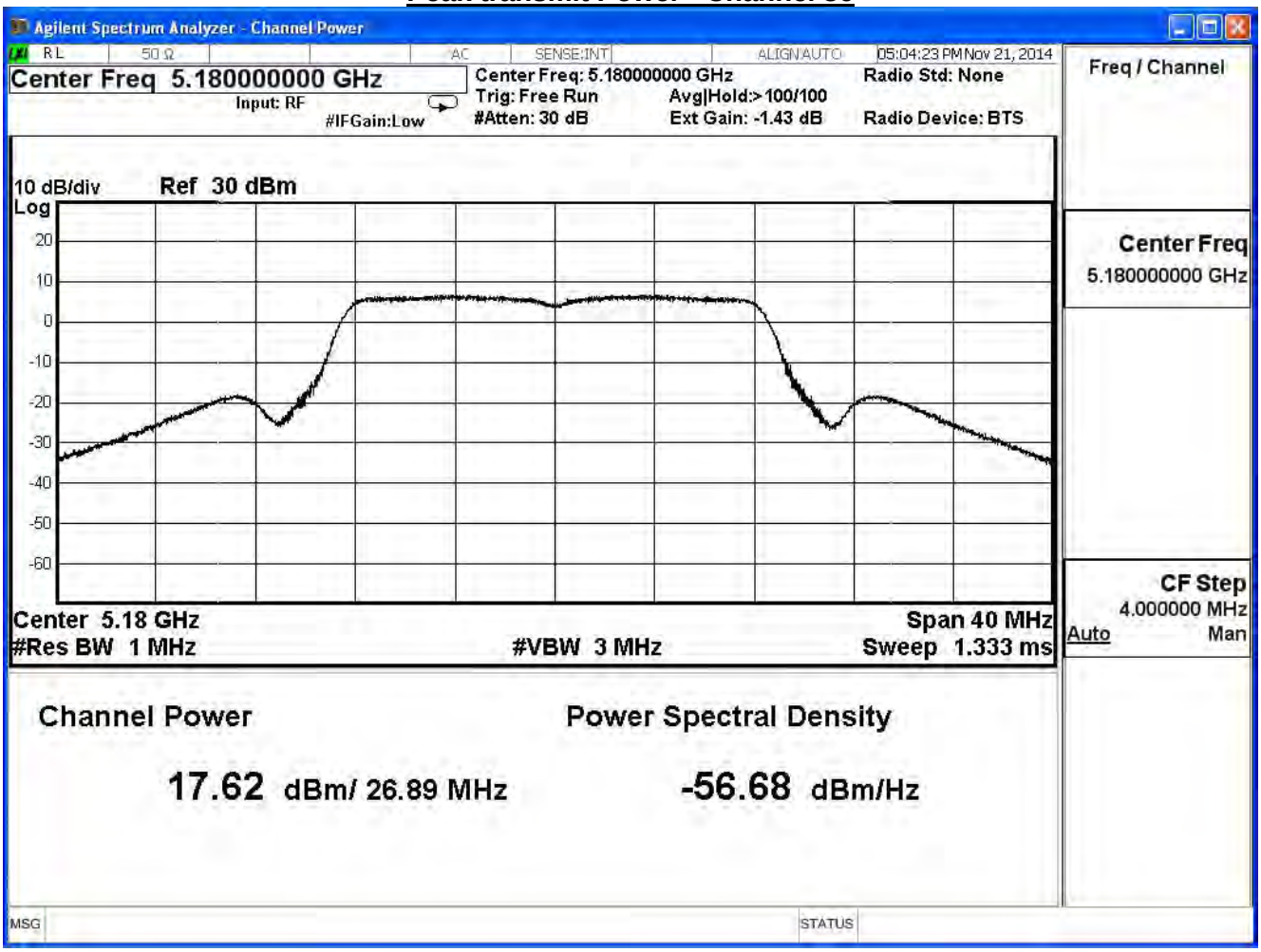
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/23	Test Site	SR7

802.11a (ANT 1)-AP and Bridge mode					
Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Required Limit	Result
36	5180	26.890	17.620	≤30	Pass
44	5220	26.120	16.170	≤30	Pass
48	5240	26.510	19.260	≤30	Pass

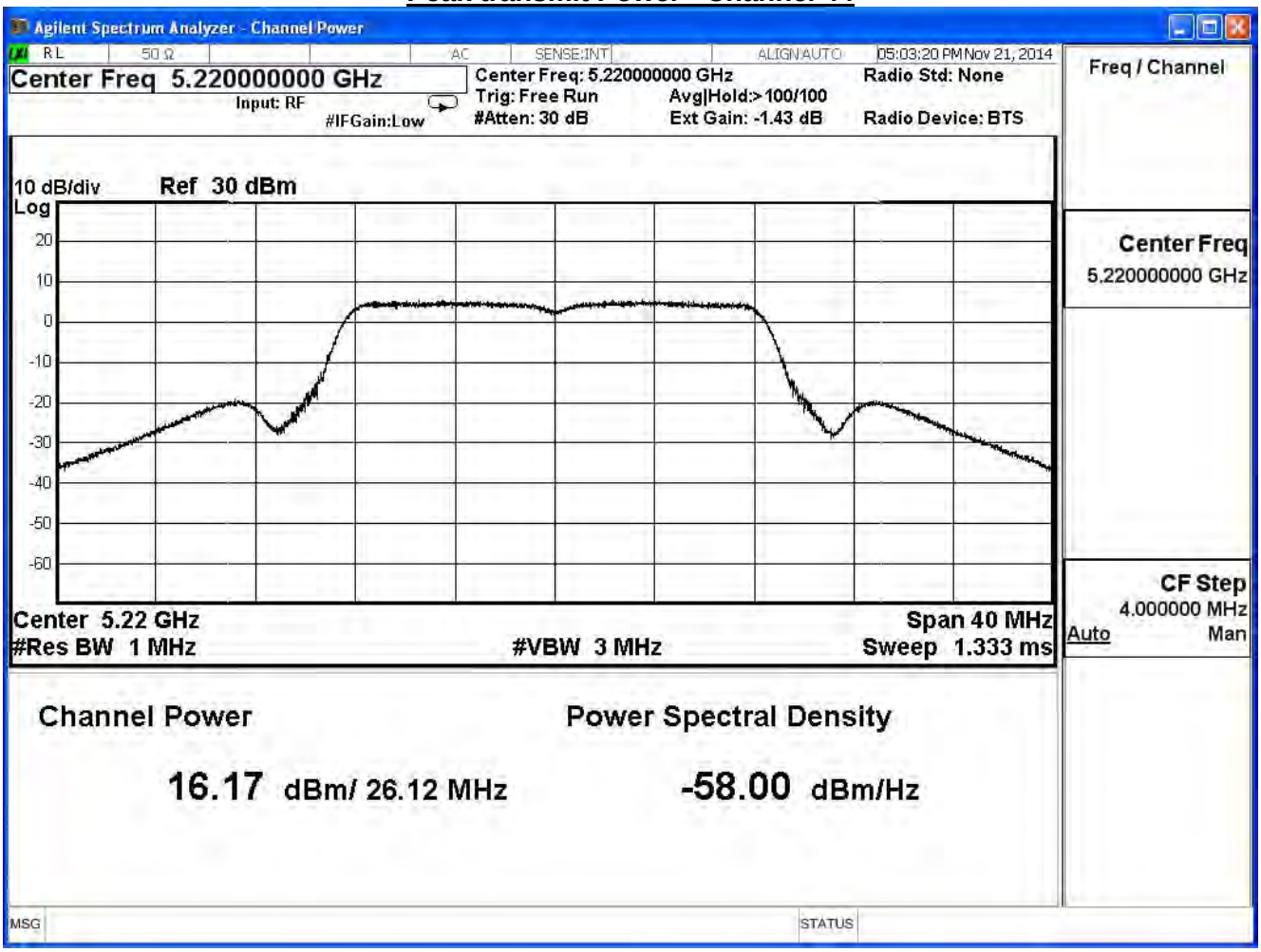
The worst emission of data rate is 6Mbps.

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
36	5180	17.62	--	--	--	--	--	--	30dBm
44	5220	16.17	16.07	15.95	15.75	15.55	15.42	15.18	
48	5240	19.26	--	--	--	--	--	--	

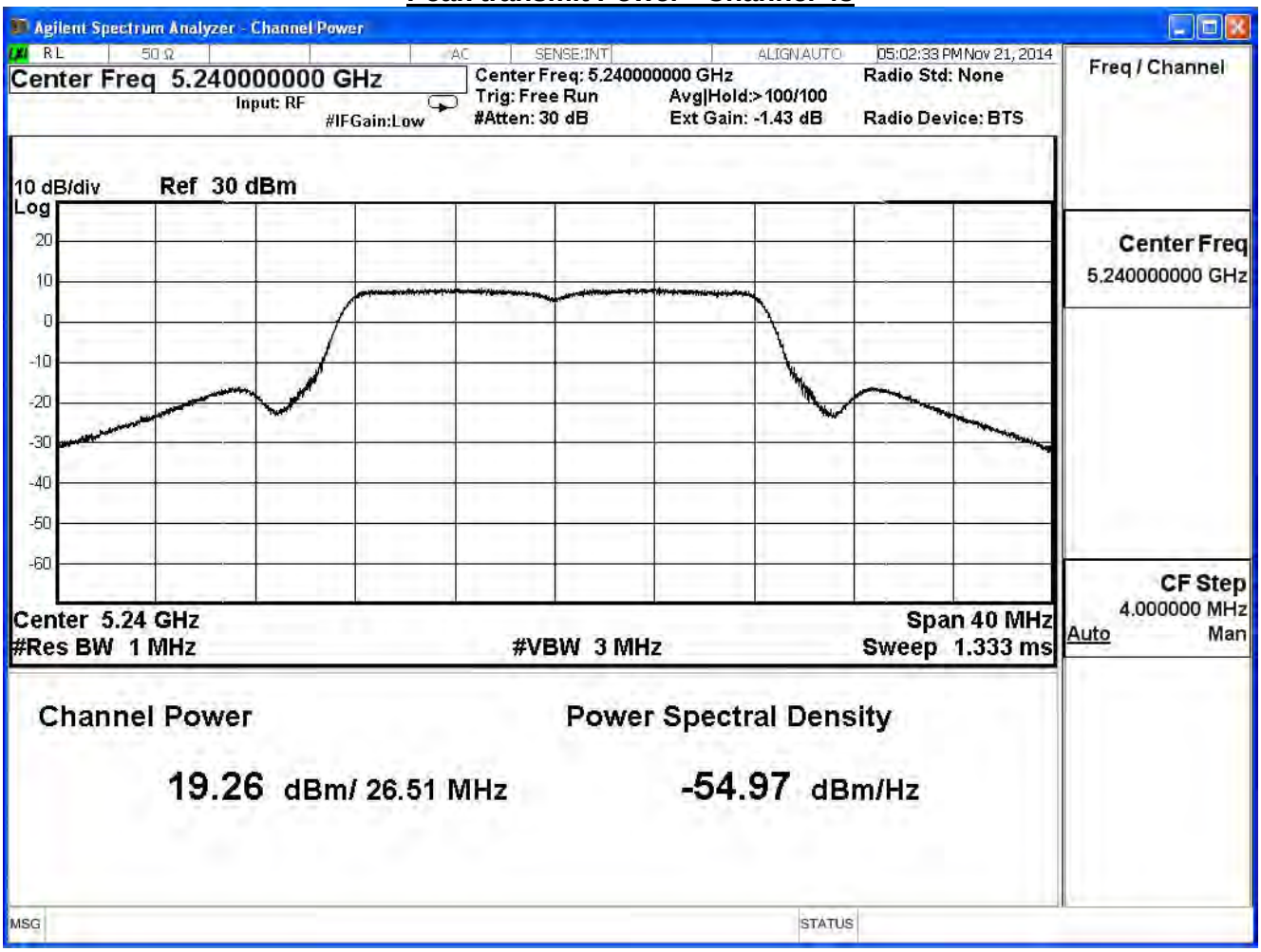
Peak transmit Power - Channel 36



Peak transmit Power - Channel 44



Peak transmit Power - Channel 48



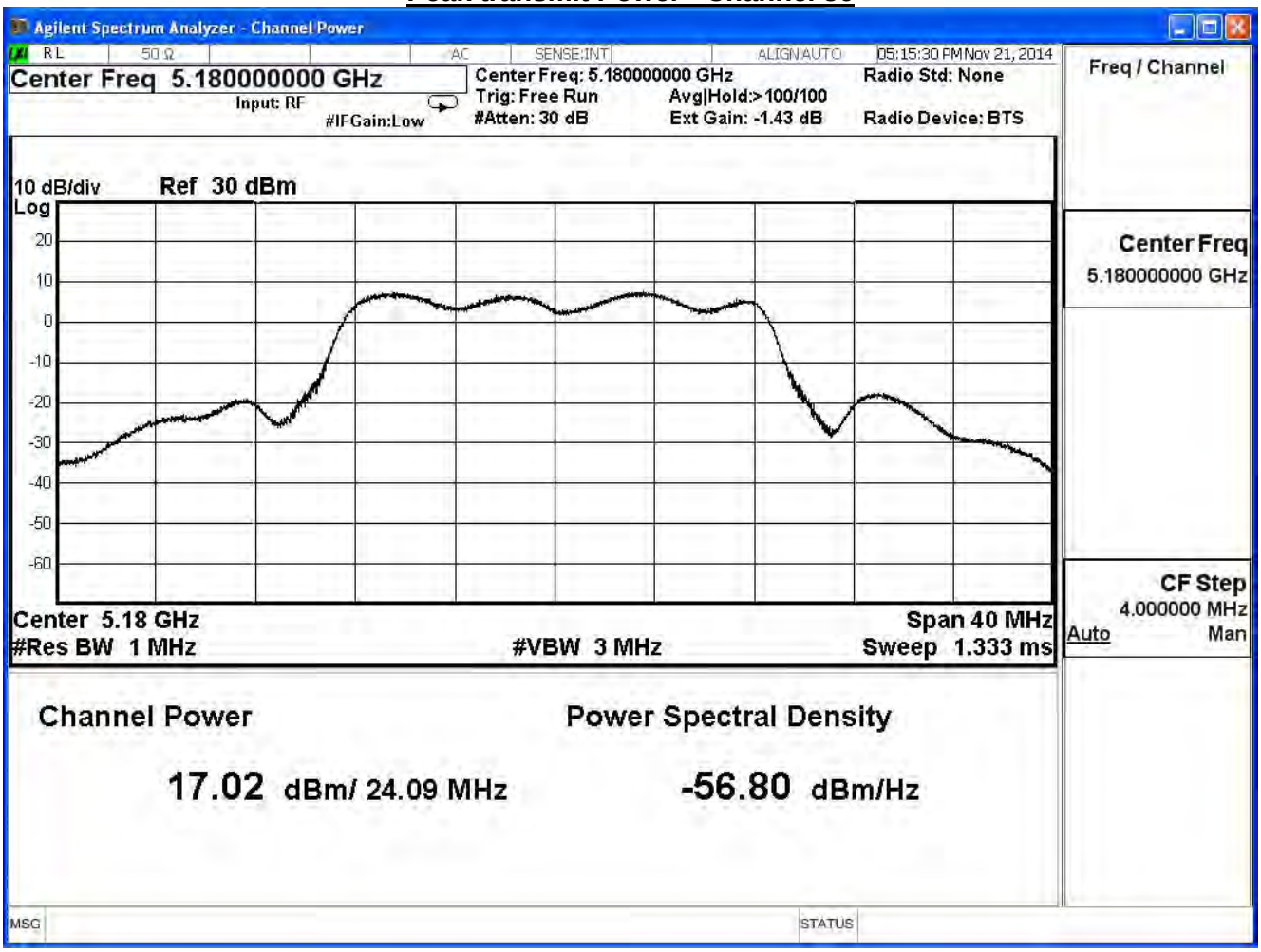
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/23	Test Site	SR7

802.11a (ANT 2)-AP and Bridge mode					
Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Required Limit	Result
36	5180	24.090	17.020	≤30	Pass
44	5220	26.420	16.240	≤30	Pass
48	5240	26.790	19.410	≤30	Pass

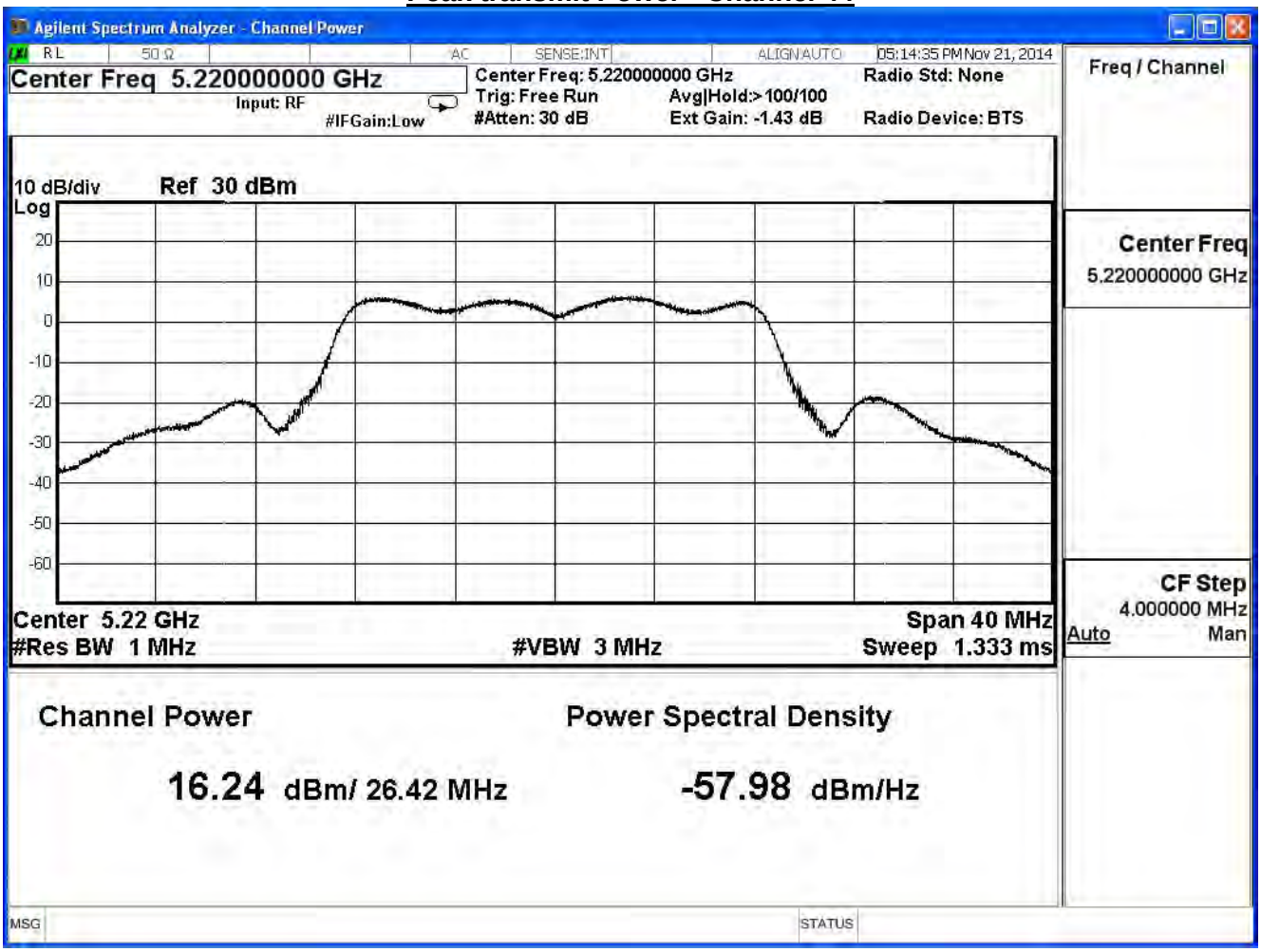
The worst emission of data rate is 6Mbps.

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
36	5180	17.02	--	--	--	--	--	--	30dBm
44	5220	16.24	16.14	16.04	15.92	15.72	15.60	15.48	
48	5240	19.41	--	--	--	--	--	--	

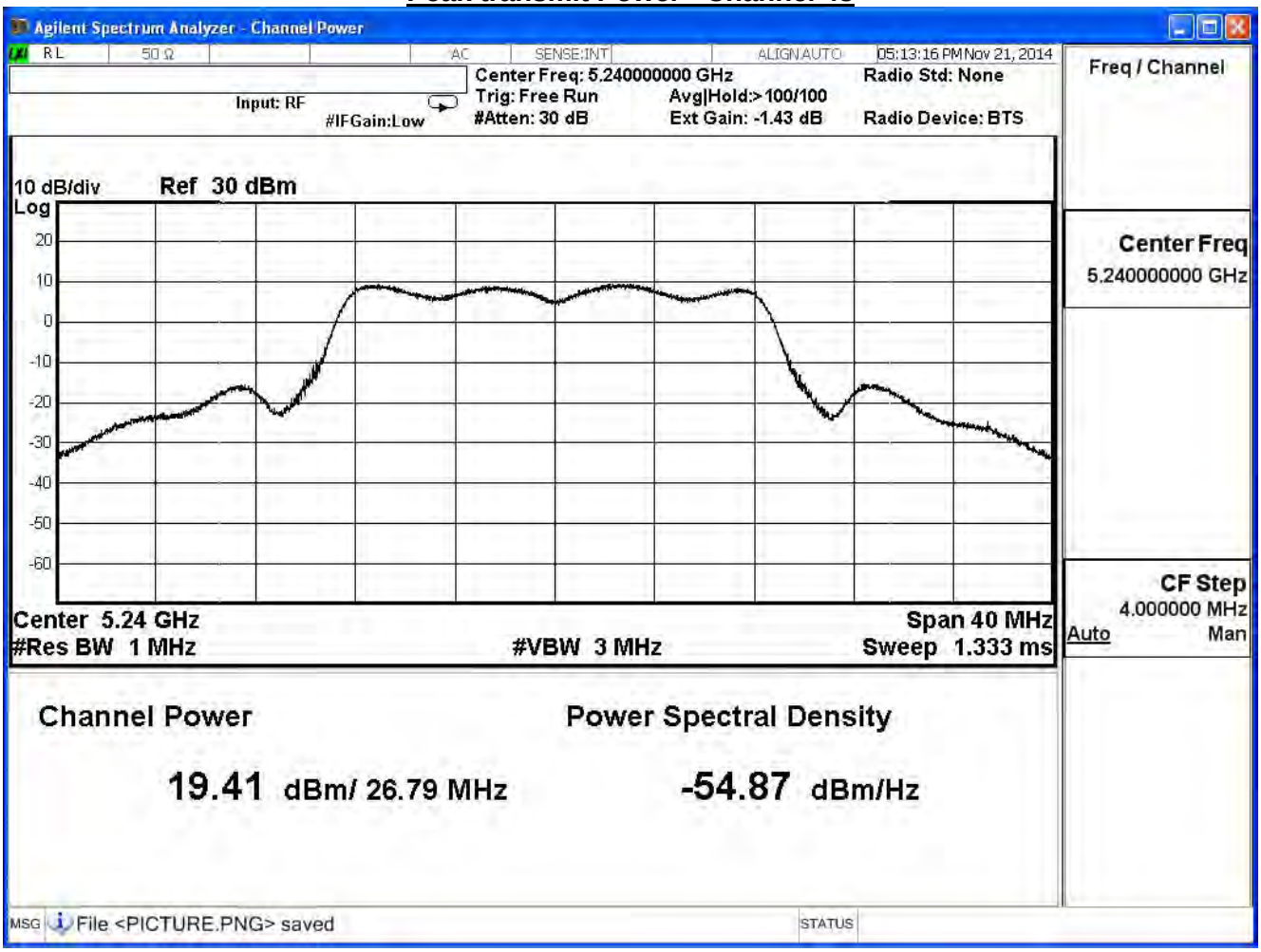
Peak transmit Power - Channel 36



Peak transmit Power - Channel 44



Peak transmit Power - Channel 48



Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/23	Test Site	SR7

802.11a (ANT 0+1+2)-AP and Bridge mode					
Channel No.	Frequency (MHz)	Output Power (mW)	Output Power (dBm)	Required Limit	Result
36	5180	158.859	22.010	≤30	Pass
44	5220	123.467	20.916	≤30	Pass
48	5240	251.983	24.014	≤30	Pass

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
36	5180	22.01	--	--	--	--	--	--	30dBm
44	5220	20.92	20.78	20.67	20.53	20.32	20.16	19.99	
48	5240	24.01	--	--	--	--	--	--	

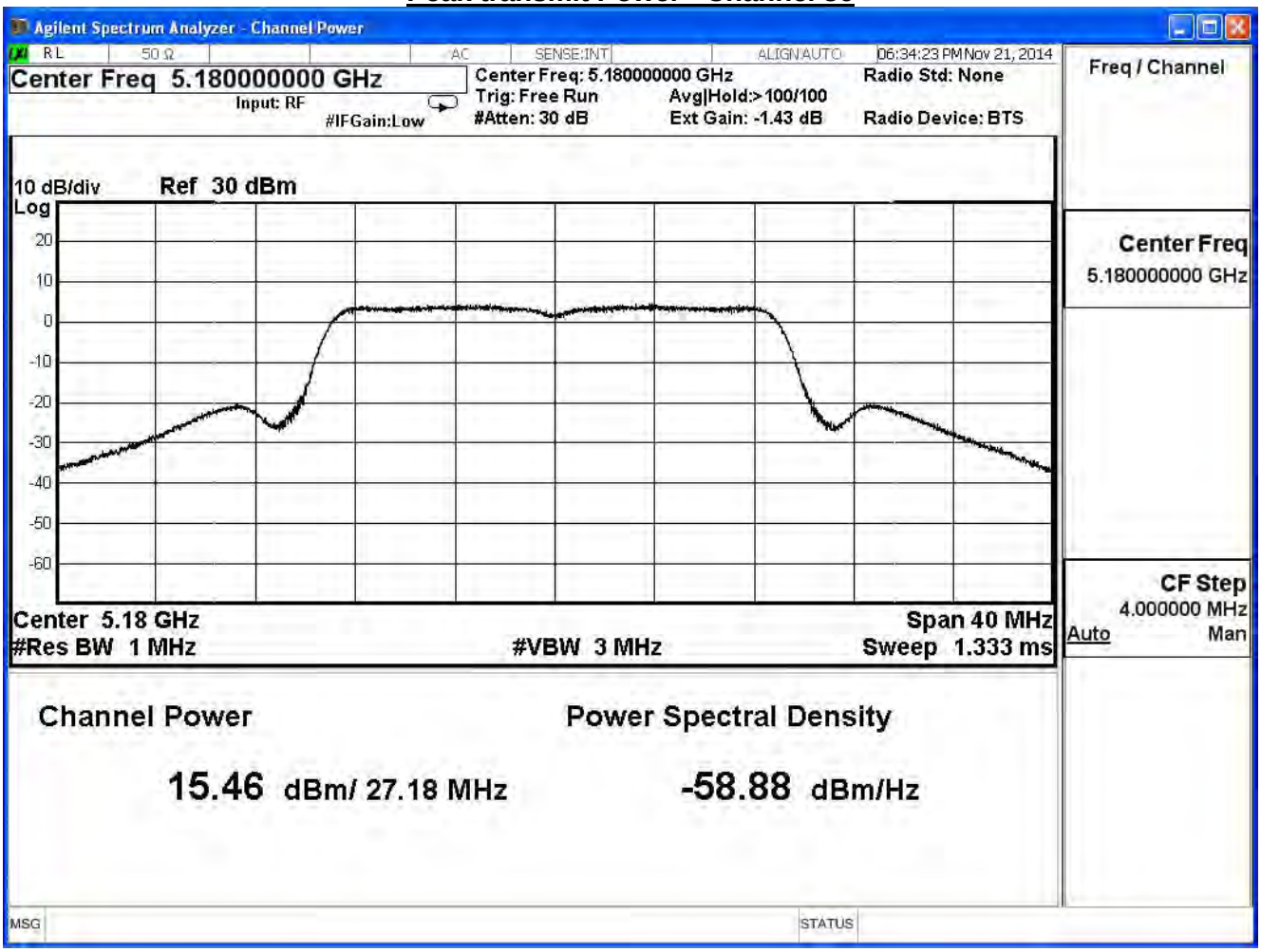
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/23	Test Site	SR7

IEEE 802.11n(20MHz) (ANT 0)-AP and Bridge mode					
Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Required Limit	Result
36	5180	27.180	15.460	≤30	Pass
44	5220	27.680	17.570	≤30	Pass
48	5240	29.160	19.470	≤30	Pass

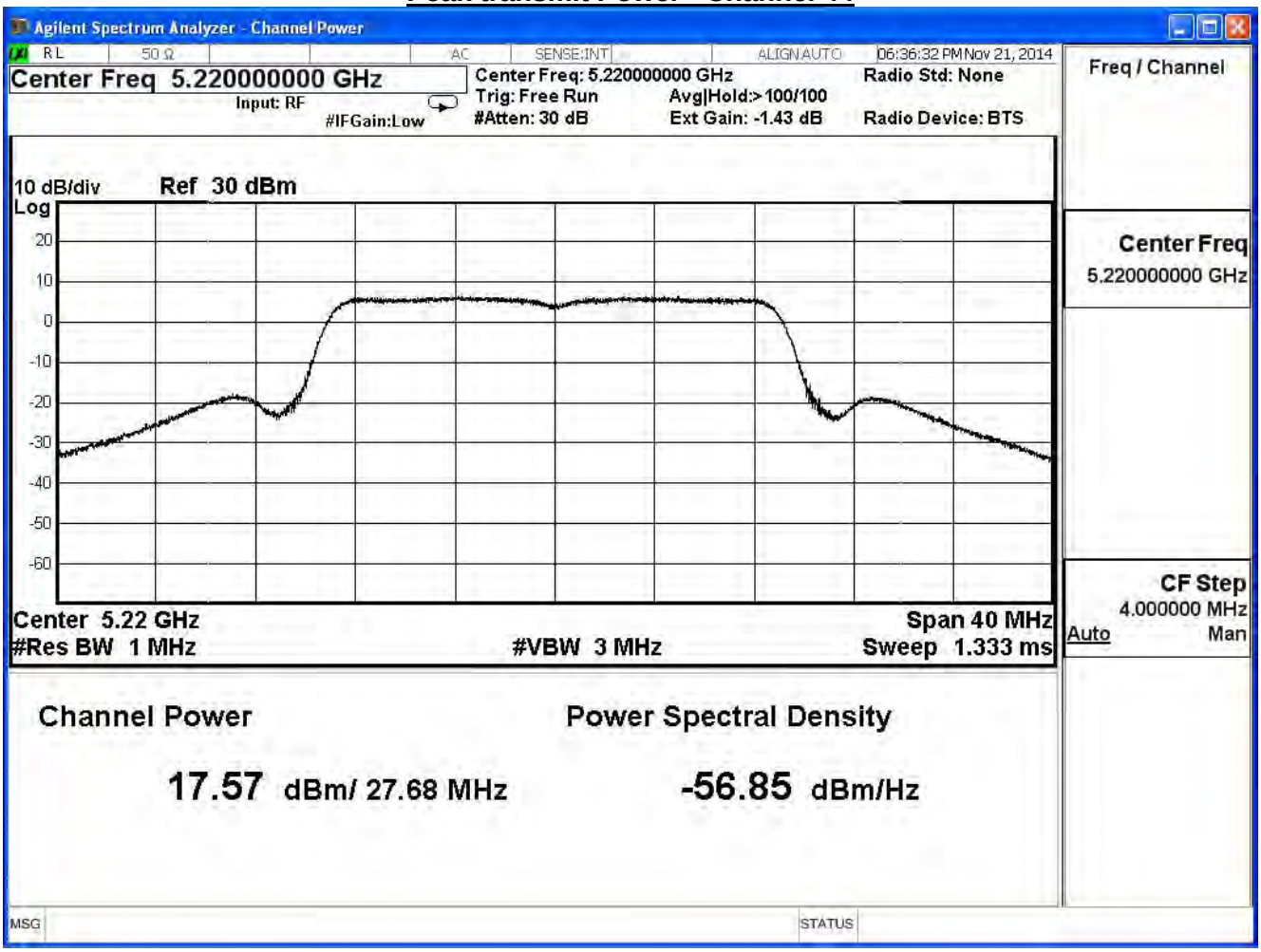
The worst emission of data rate is 6.5 Mbps.

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		6.5	13	19.5	26	39	52	58.5	65	
36	5180	15.46	--	--	--	--	--	--	--	30dBm
44	5220	17.57	17.35	17.15	17.05	16.81	16.69	16.54	16.42	
48	5240	19.47	--	--	--	--	--	--	--	

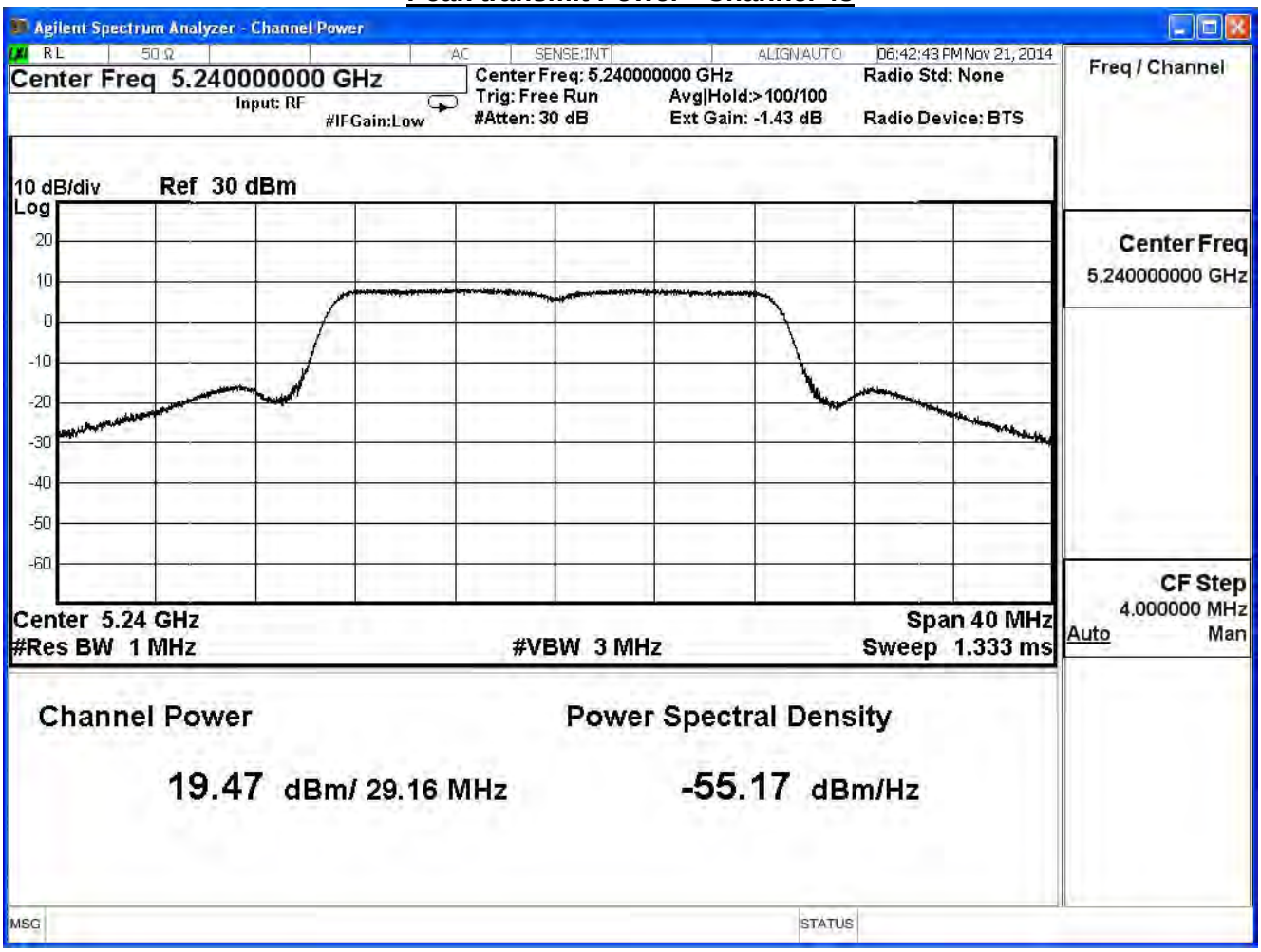
Peak transmit Power - Channel 36



Peak transmit Power - Channel 44



Peak transmit Power - Channel 48



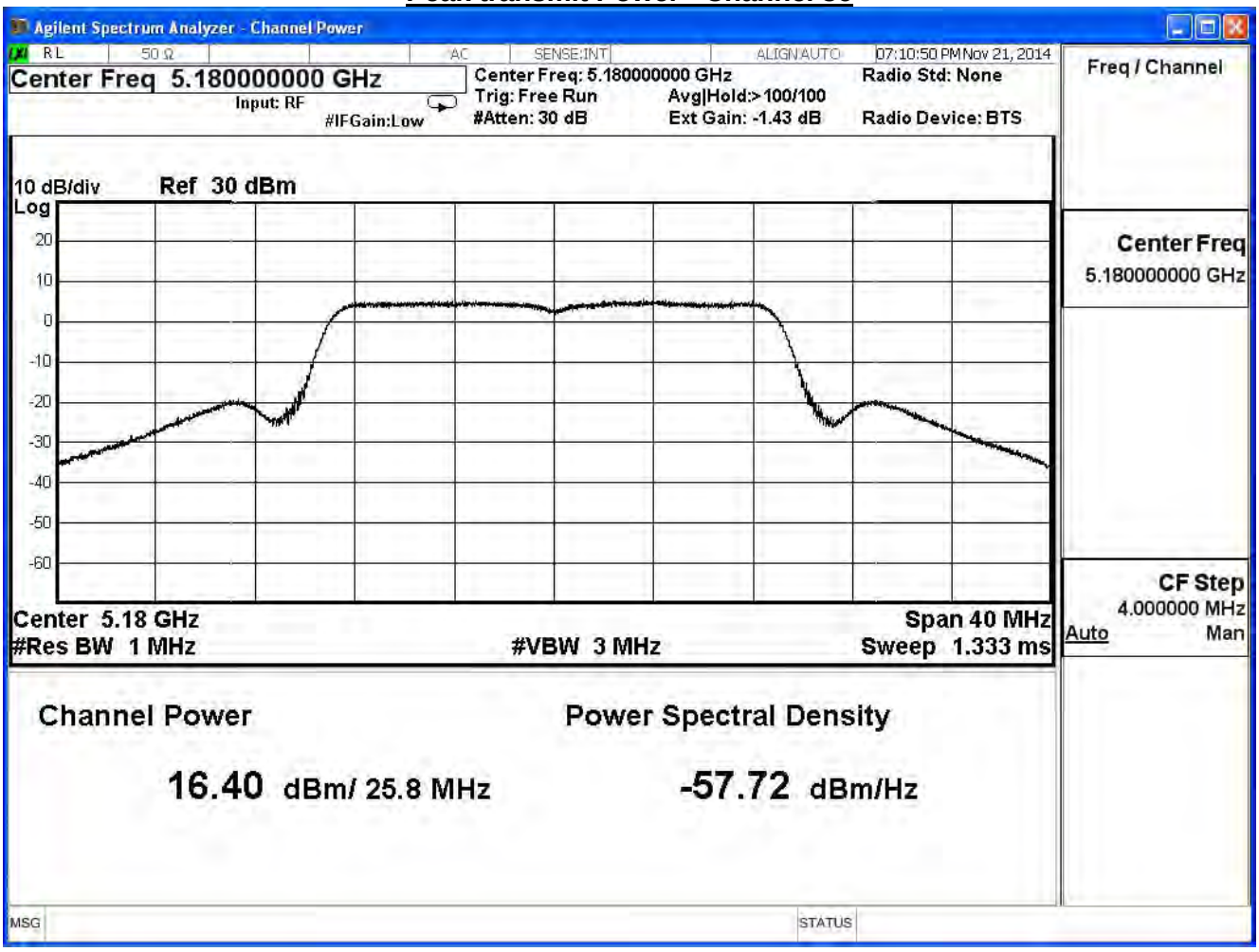
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/23	Test Site	SR7

IEEE 802.11n(20MHz)(ANT 1)- AP and Bridge mode					
Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Required Limit	Result
36	5180	25.800	16.400	≤30	Pass
44	5220	26.940	18.140	≤30	Pass
48	5240	28.530	20.190	≤30	Pass

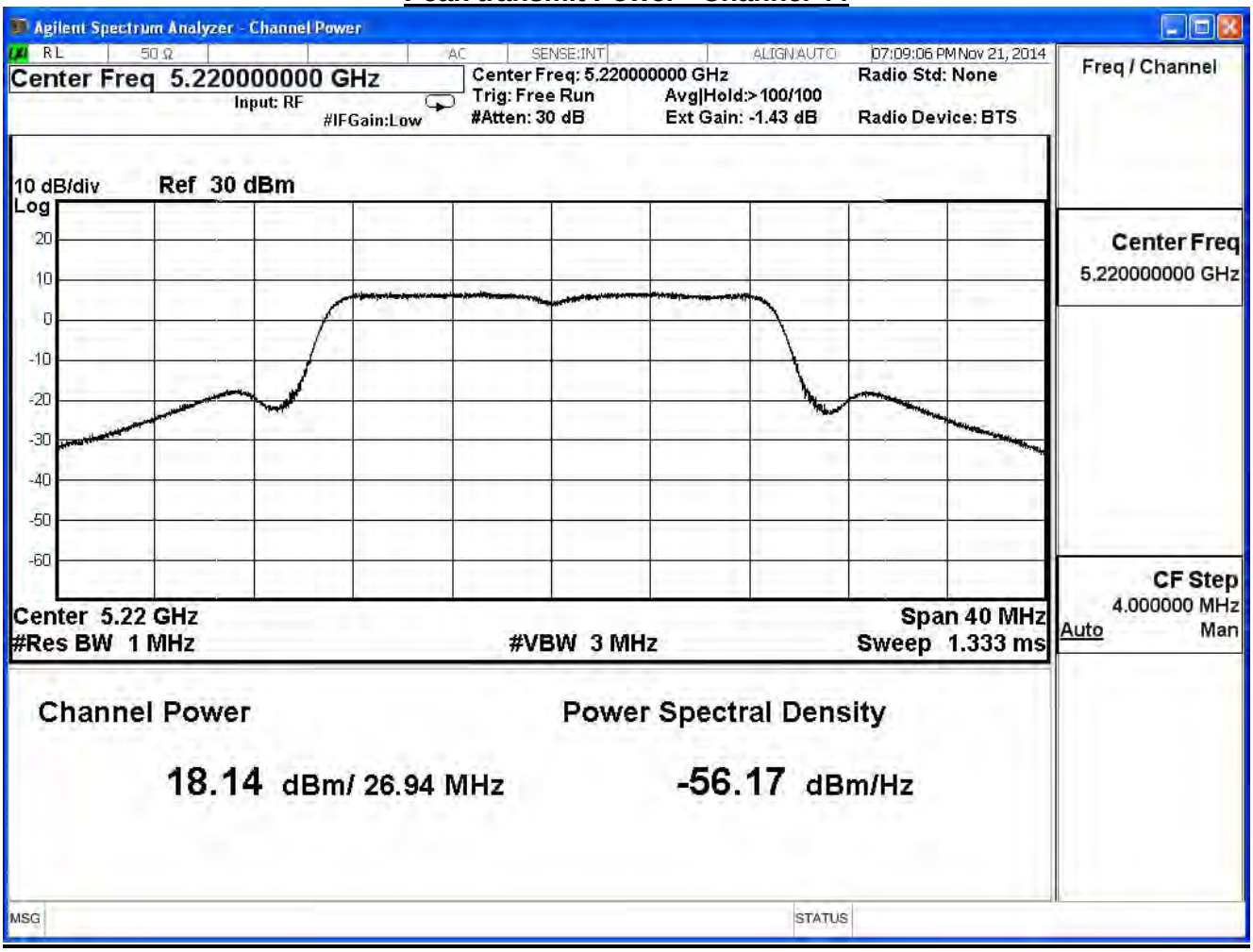
The worst emission of data rate is 6.5 Mbps.

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		6.5	13	19.5	26	39	52	58.5	65	
36	5180	16.40	--	--	--	--	--	--	--	30dBm
44	5220	18.14	17.94	17.70	17.60	17.40	17.14	17.02	16.90	
48	5240	20.19	--	--	--	--	--	--	--	

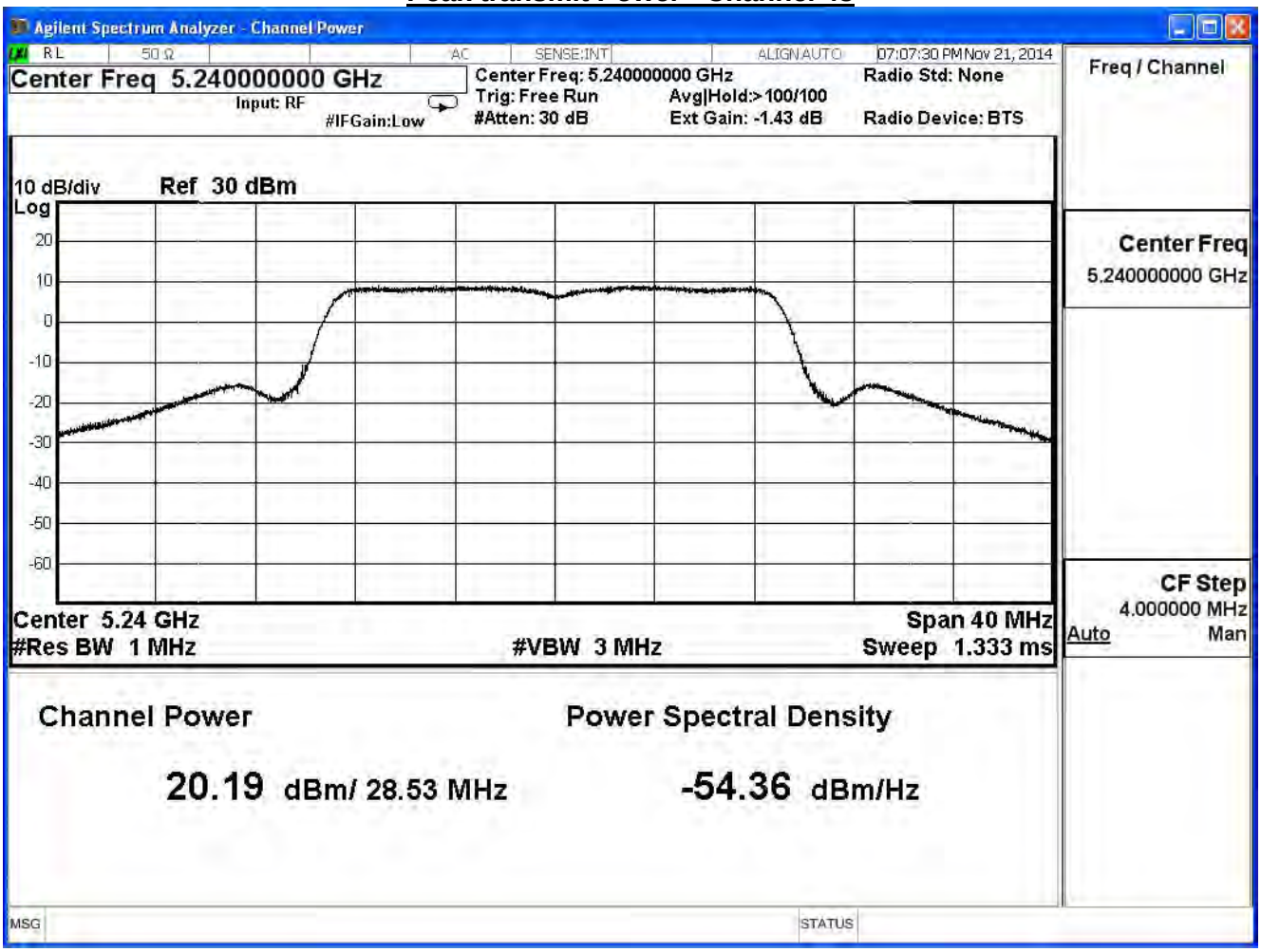
Peak transmit Power - Channel 36



Peak transmit Power - Channel 44



Peak transmit Power - Channel 48



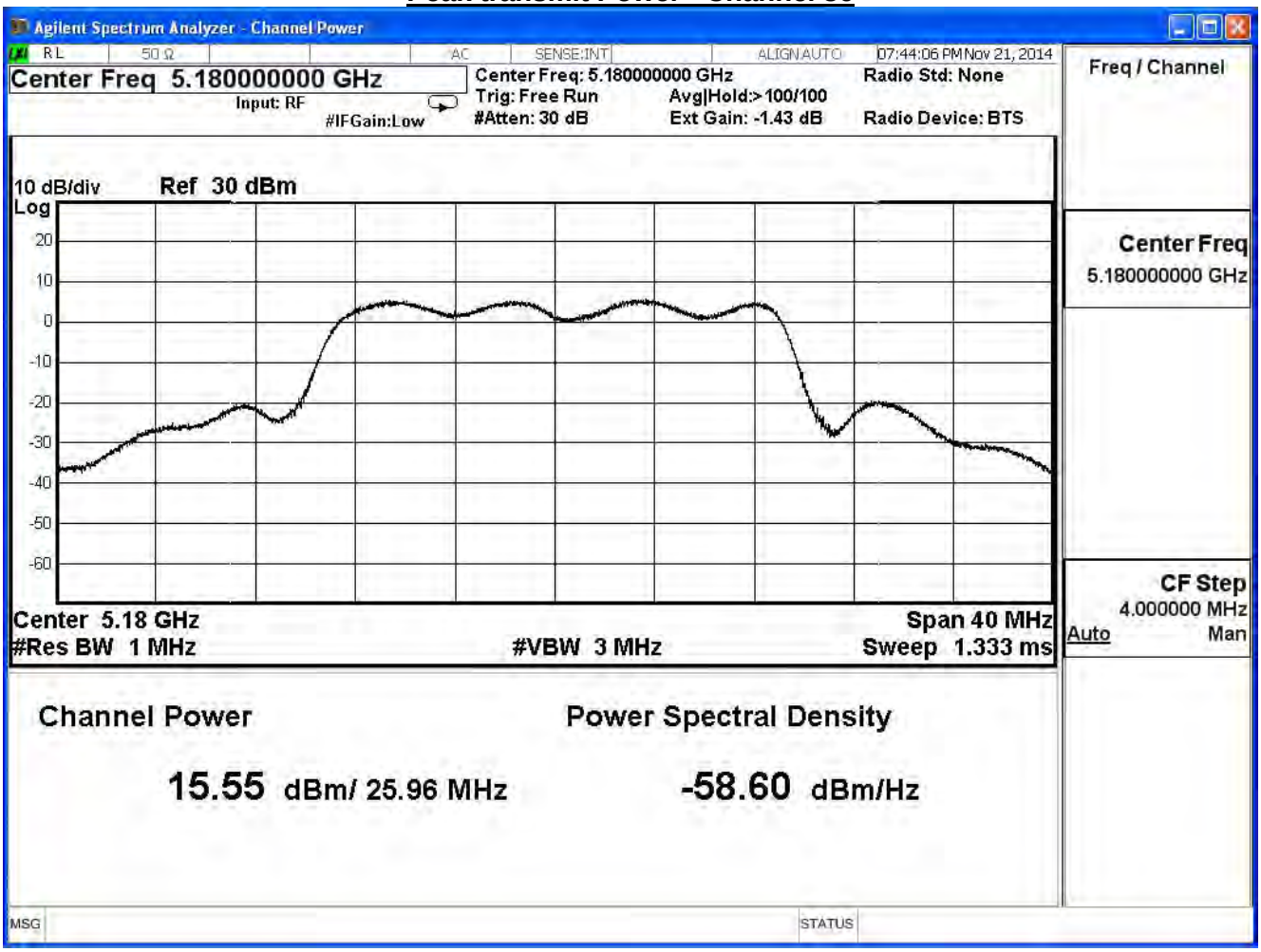
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/23	Test Site	SR7

IEEE 802.11n(20MHz)(ANT 2) -AP and Bridge mode					
Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Required Limit	Result
36	5180	25.960	15.550	≤30	Pass
44	5220	26.550	17.570	≤30	Pass
48	5240	27.700	19.960	≤30	Pass

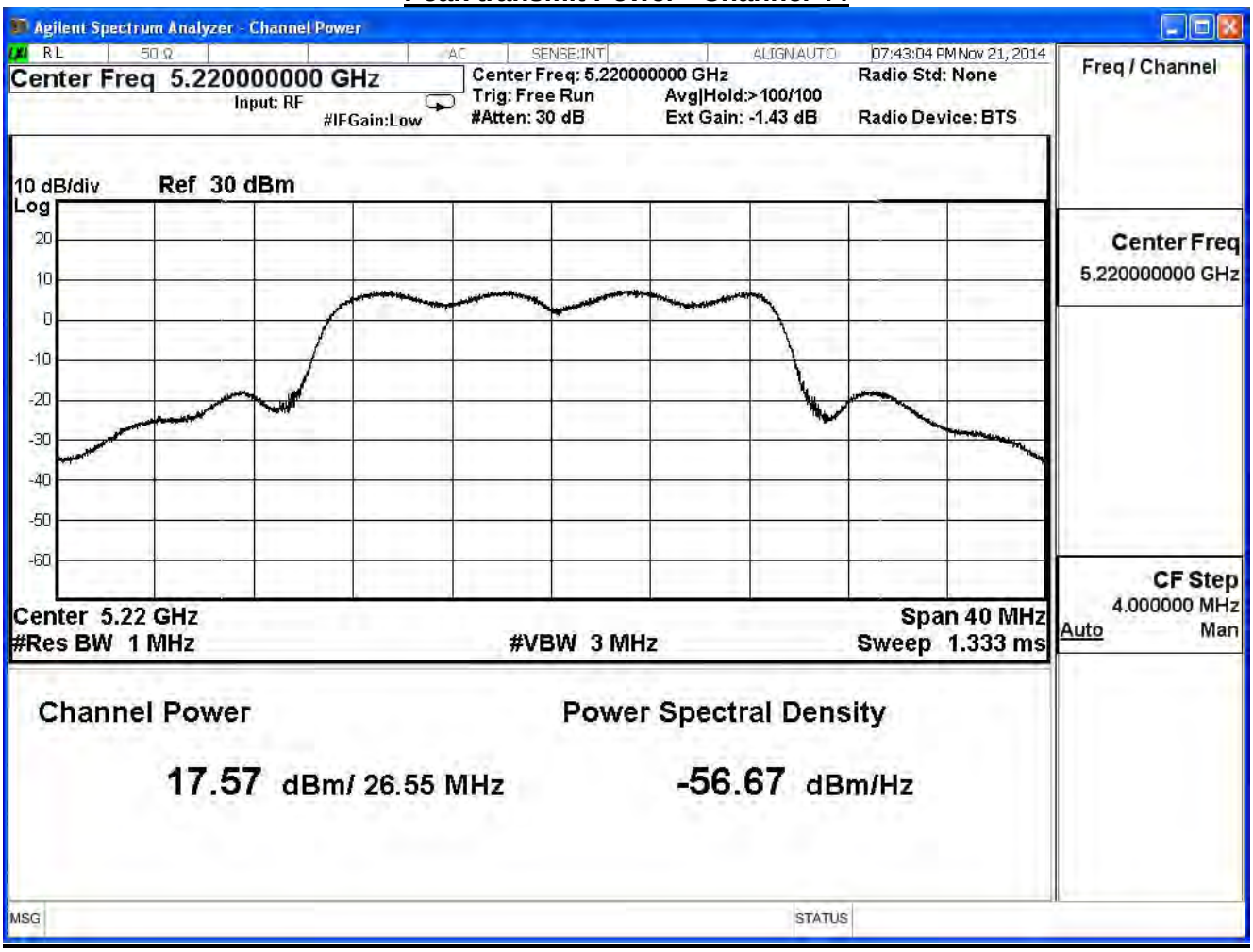
The worst emission of data rate is 6.5 Mbps.

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		6.5	13	19.5	26	39	52	58.5	65	
36	5180	15.55	--	--	--	--	--	--	--	30dBm
44	5220	17.57	17.37	17.27	17.15	16.95	16.83	16.59	16.47	
48	5240	19.96	--	--	--	--	--	--	--	

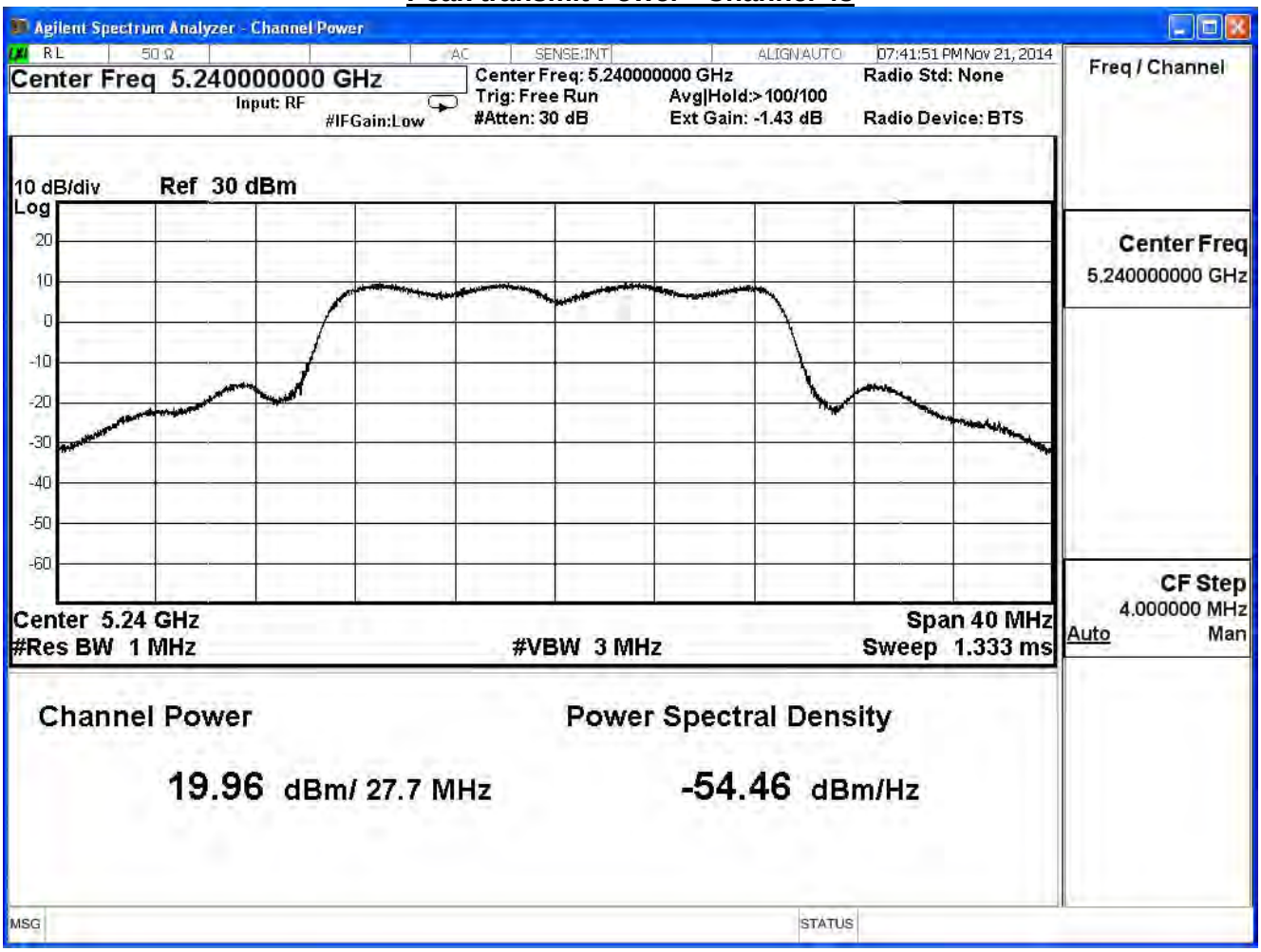
Peak transmit Power - Channel 36



Peak transmit Power - Channel 44



Peak transmit Power - Channel 48



Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/23	Test Site	SR7

IEEE 802.11n(20MHz)(ANT 0+1+2) -AP and Bridge mode					
Channel No.	Frequency (MHz)	Output Power (mW)	Output Power (dBm)	Required Limit	Result
36	5180	114.700	20.596	≤30	Pass
44	5220	179.459	22.540	≤30	Pass
48	5240	292.067	24.655	≤30	Pass

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	20.60	--	--	--	--	--	--	--	30dBm
44	5220	22.54	22.33	22.15	22.04	21.83	21.66	21.49	21.37	
48	5240	24.65	--	--	--	--	--	--	--	

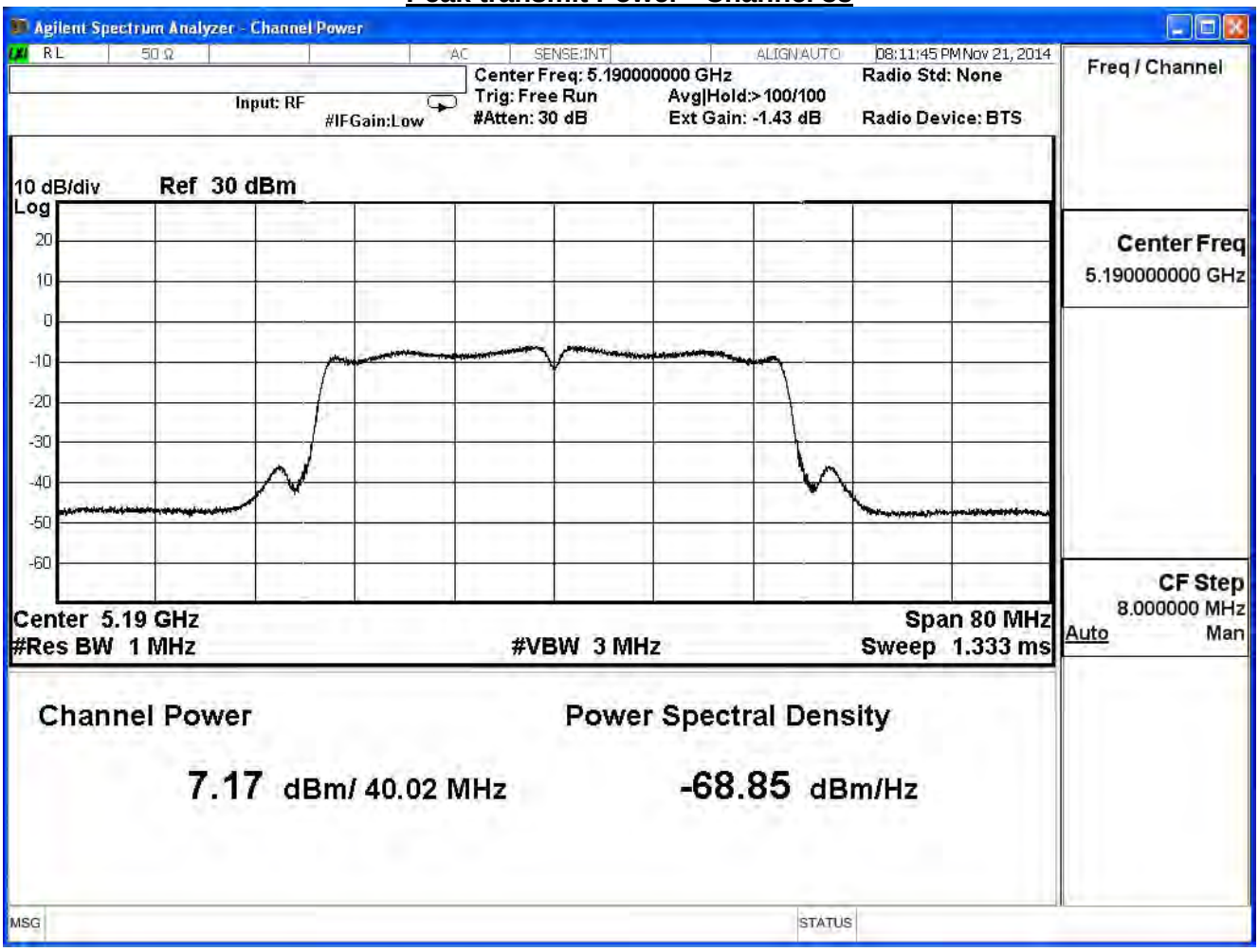
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/23	Test Site	SR7

IEEE 802.11n(40MHz)(ANT 0) -AP and Bridge mode					
Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Required Limit	Result
38	5190	40.020	7.170	≤30	Pass
46	5230	42.340	18.530	≤30	Pass

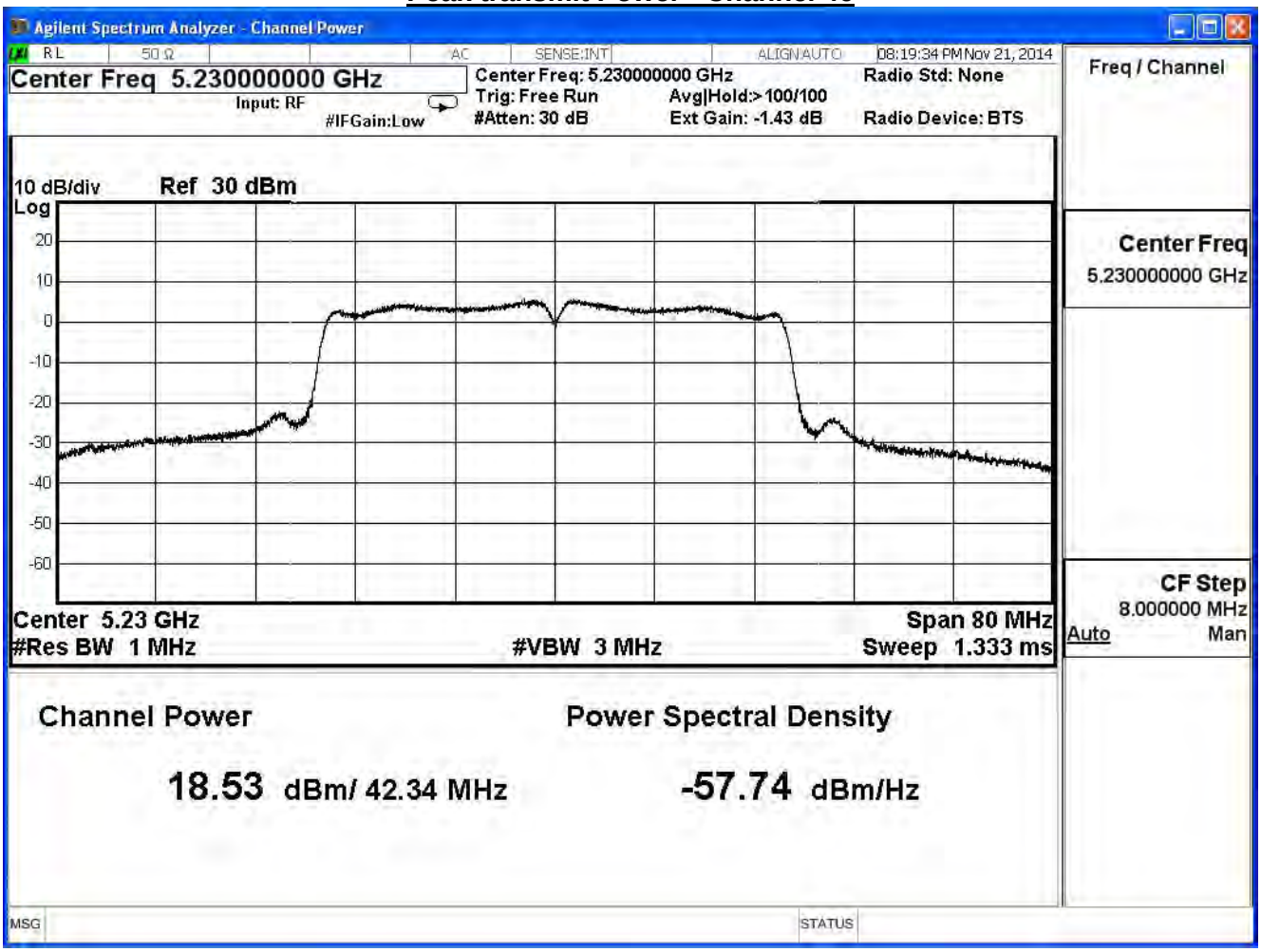
The worst emission of data rate is 13.5 Mbps

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	7.17	--	--	--	--	--	--	--	30dBm
46	5230	18.53	18.43	18.23	18.13	18.03	17.79	17.67	17.43	

Peak transmit Power - Channel 38



Peak transmit Power - Channel 46



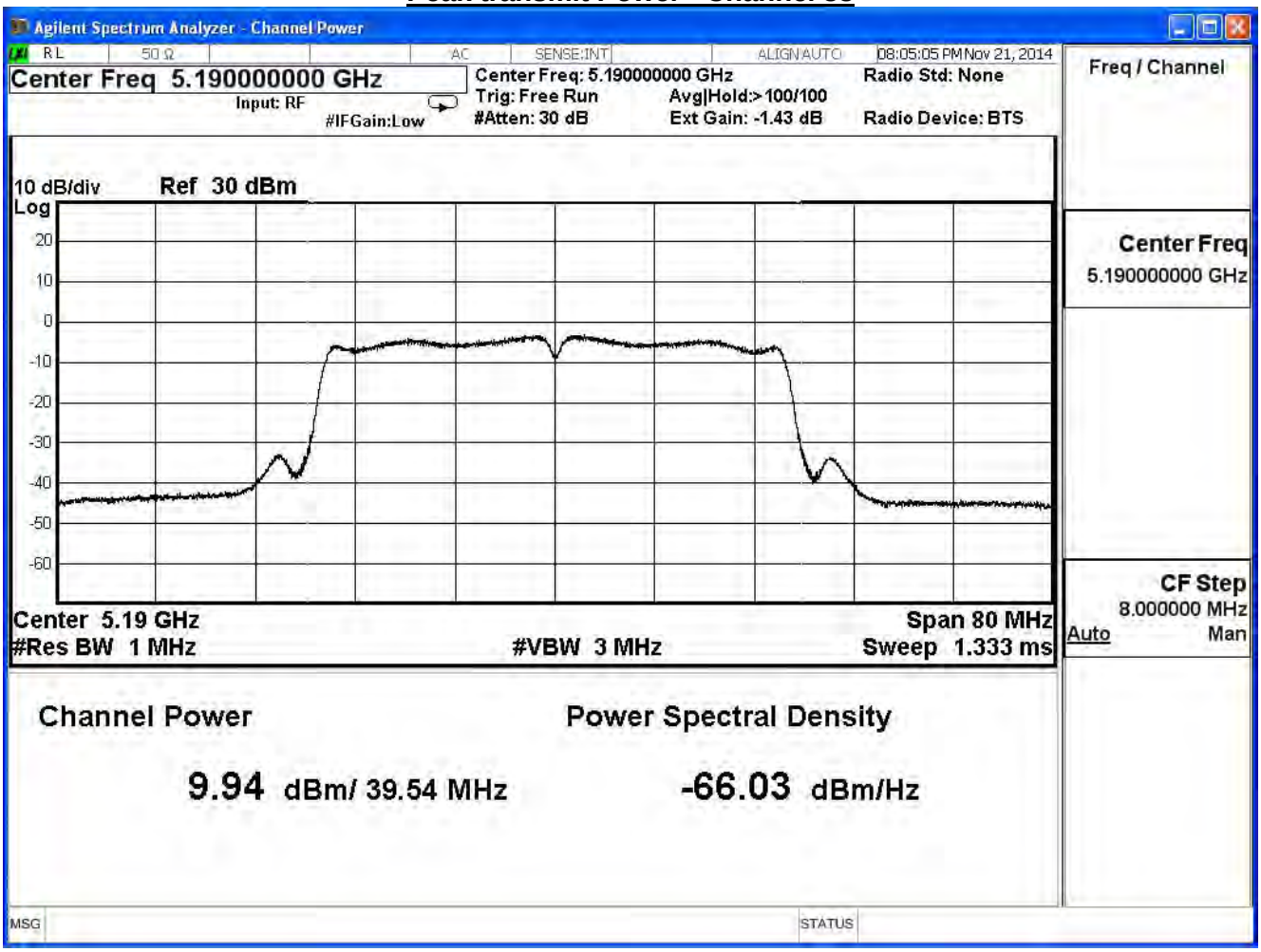
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/23	Test Site	SR7

IEEE 802.11n(40MHz)(ANT 1)- AP and Bridge mode					
Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Required Limit	Result
38	5190	39.540	9.940	≤30	Pass
46	5230	39.580	19.170	≤30	Pass

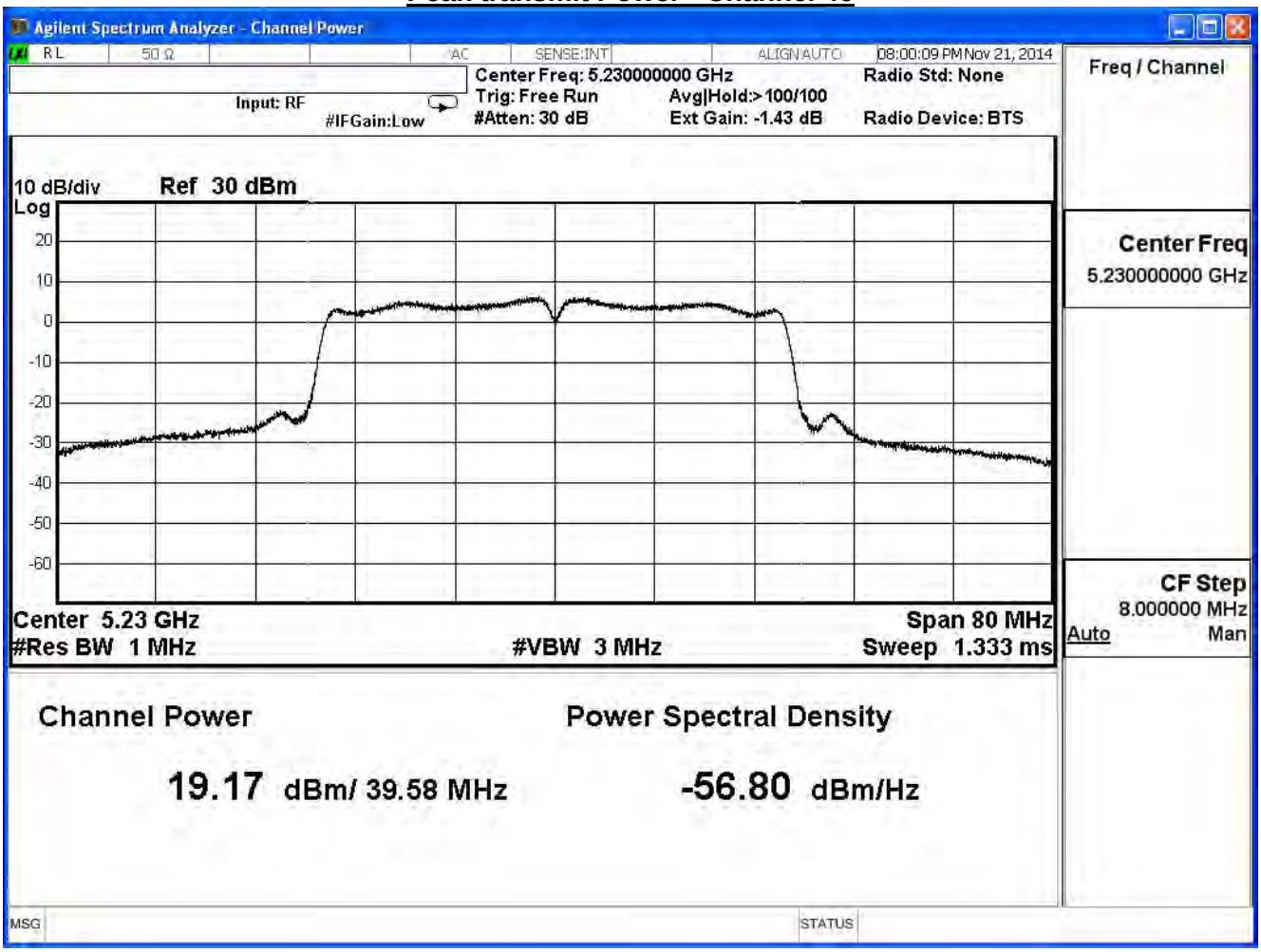
The worst emission of data rate is 13.5 Mbps

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	9.94	--	--	--	--	--	--	--	30dBm
46	5230	19.17	19.07	18.97	18.87	18.67	18.43	18.19	17.95	

Peak transmit Power - Channel 38



Peak transmit Power - Channel 46



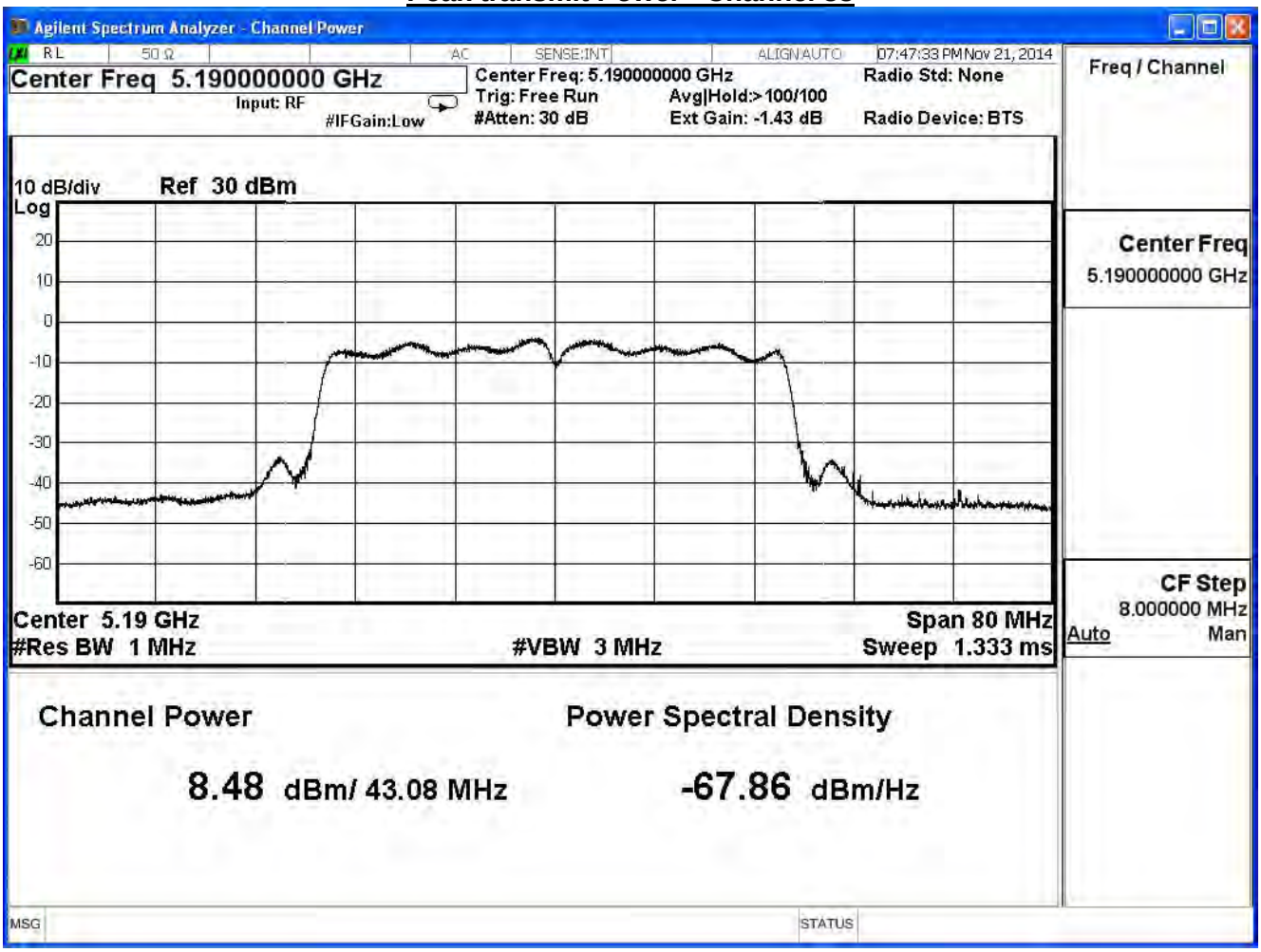
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/23	Test Site	SR7

IEEE 802.11n(40MHz)(ANT 2)- AP and Bridge mode					
Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Required Limit	Result
38	5190	43.080	8.480	≤30	Pass
46	5230	43.540	18.830	≤30	Pass

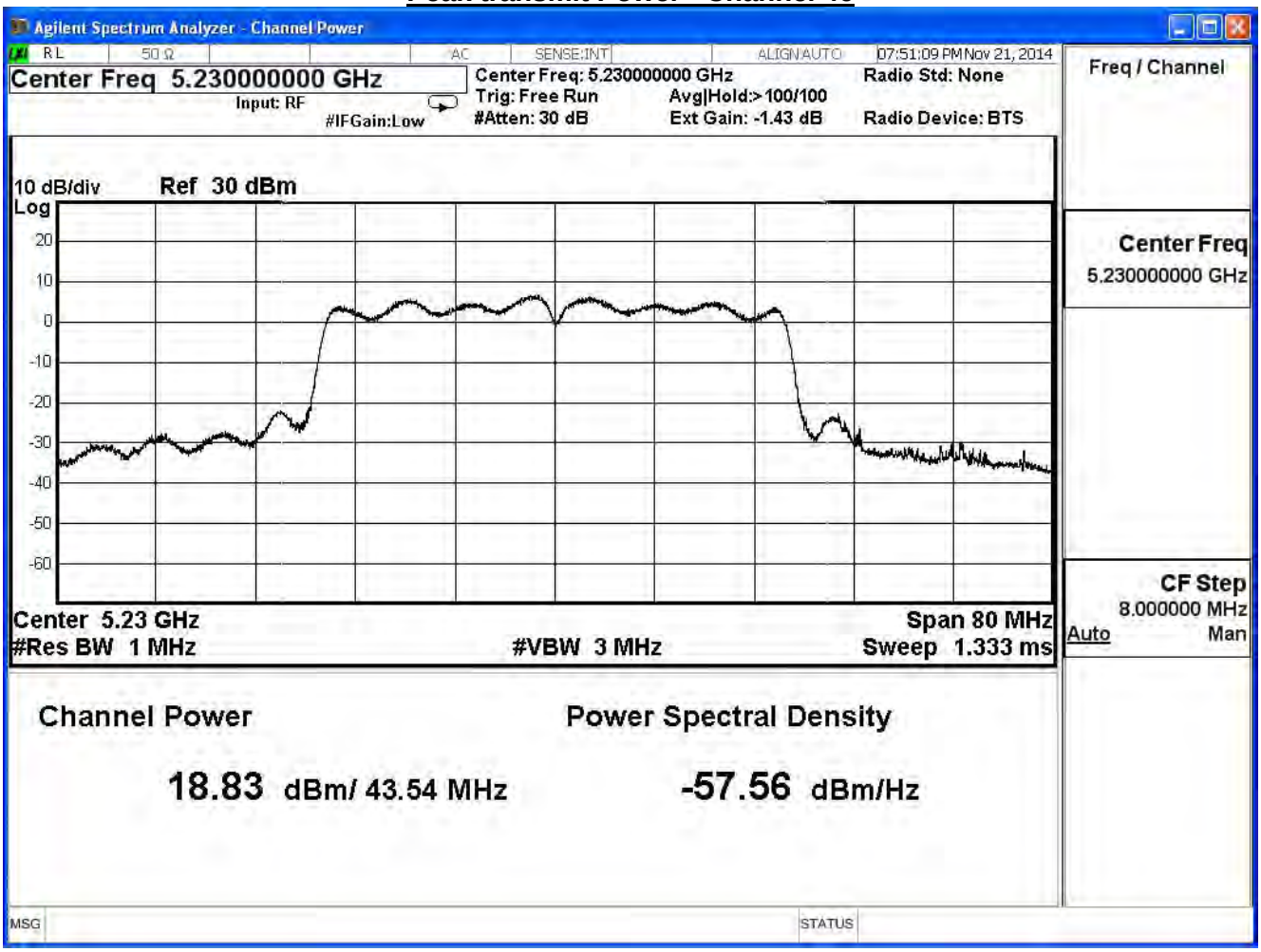
The worst emission of data rate is 13.5 Mbps

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	8.48	--	--	--	--	--	--	--	30dBm
46	5230	18.83	18.73	18.53	18.33	18.23	18.11	17.87	17.63	

Peak transmit Power - Channel 38



Peak transmit Power - Channel 46



Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/23	Test Site	SR7

IEEE 802.11n(40MHz)(ANT 0+1+2)- AP and Bridge mode

Channel No.	Frequency (MHz)	Output Power (mW)	Output Power (dBm)	Required Limit	Result
38	5190	22.122	13.448	≤30	Pass
46	5230	230.273	23.622	≤30	Pass

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	13.45	--	--	--	--	--	--	--	30dBm
46	5230	23.62	23.52	23.36	23.23	23.09	22.89	22.69	22.45	

5. Peak Power Spectrum Density

5.1. Test Equipment

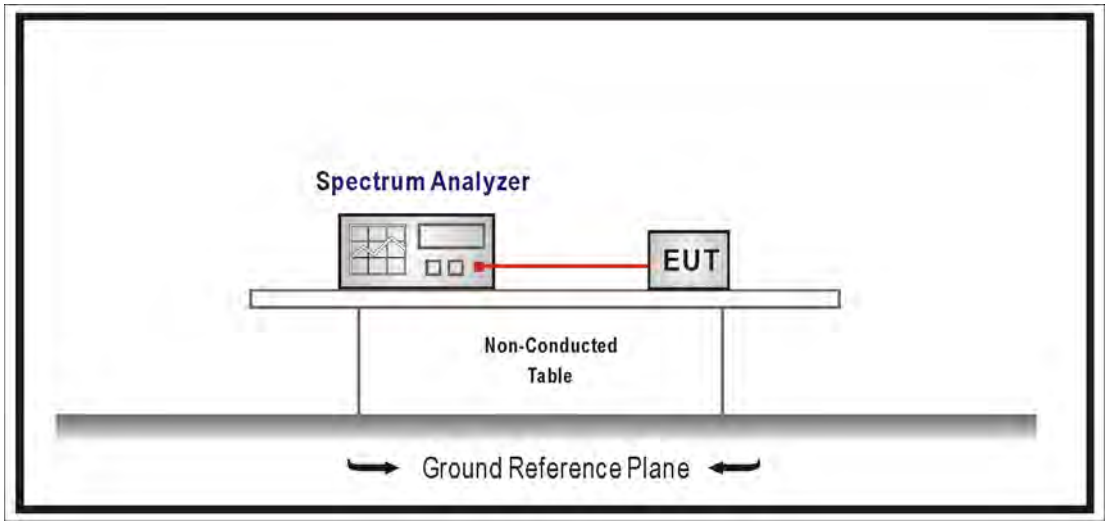
The following test equipments are used during the radiated emission tests:

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 1MHz band. If transmitting antenna of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.
2. For the band 5.25-5.35 GHz, the peak power spectral density shall not exceed 11 dBm in any 1-MHz band. If transmitting antenna of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.
3. For the band 5.725-5.850 GHz, the peak power spectral density shall not exceed 30 dBm in any 500KHz band. If transmitting antenna of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.

5.4. Test Procedure

The EUT was setup to ANSI C63.10: 2009; tested to U-NII test procedure of KDB 789033 for compliance to FCC 47CFR Subpart E requirements.

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

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

5.5. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB

5.6. Test Result

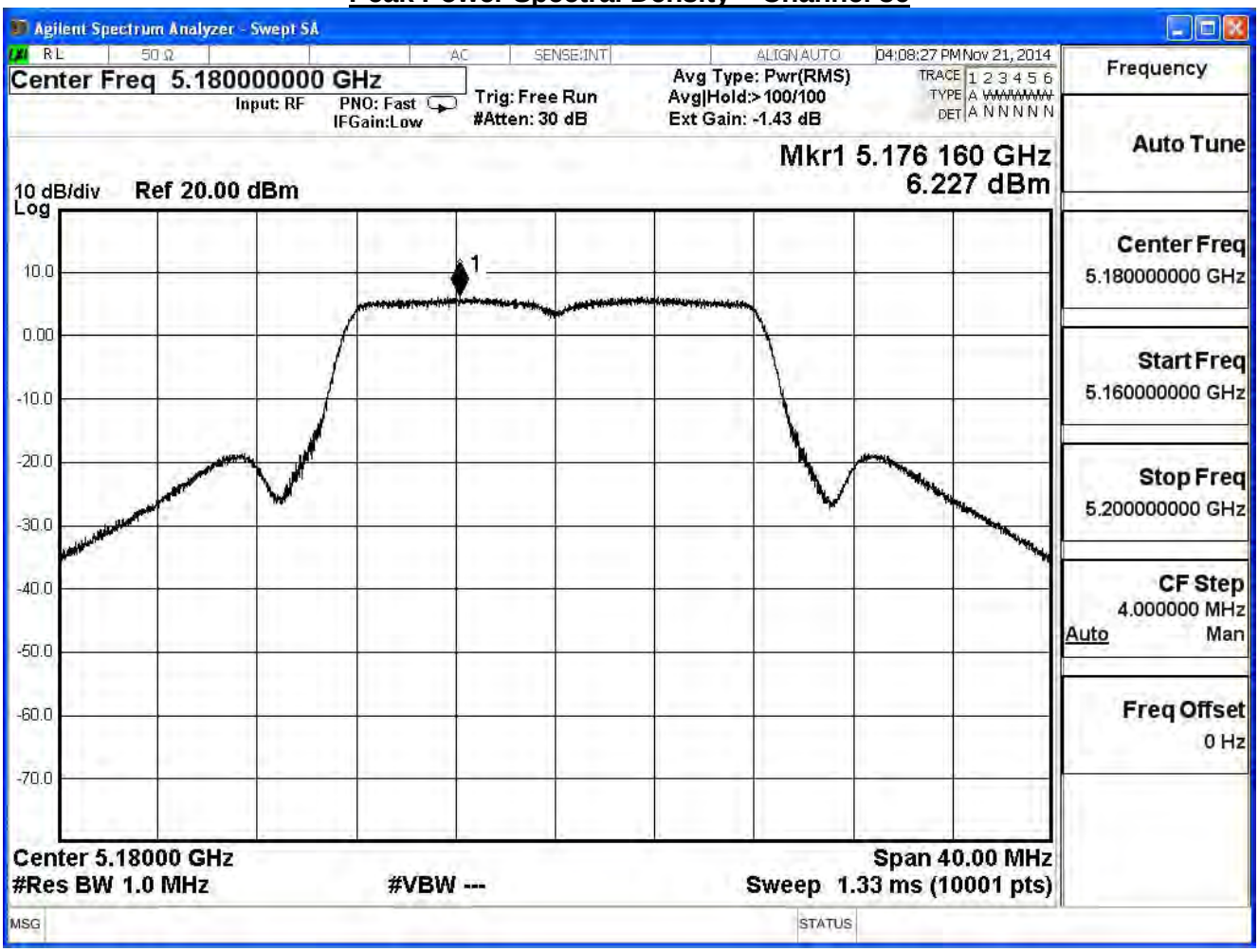
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/23	Test Site	SR7

IEEE 802.11a (ANT 0)-AP and Bridge mode				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
36	5180	6.227	≦14.23	Pass
44	5220	5.202	≦14.23	Pass
48	5240	8.480	≦14.23	Pass

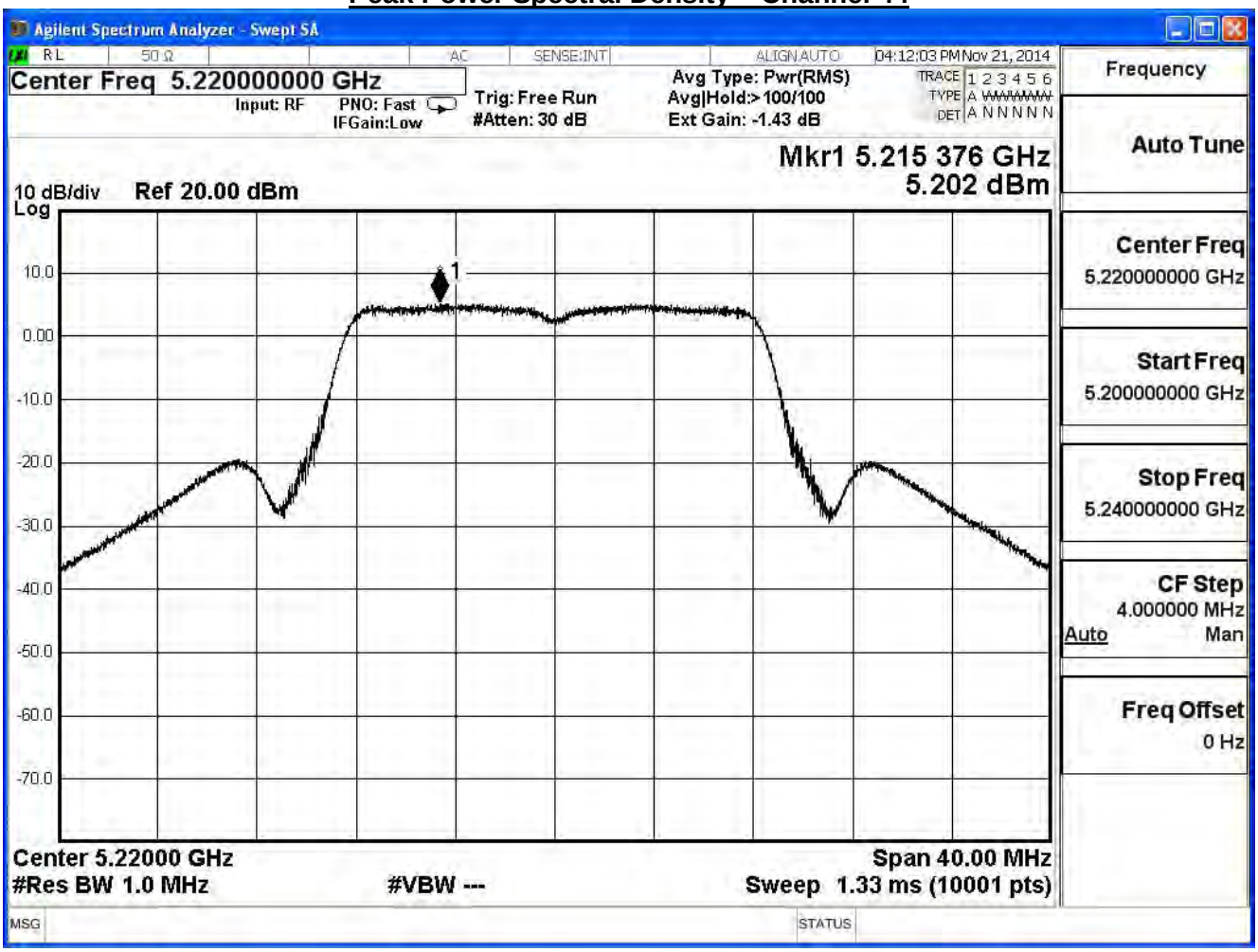
Directional Antenna: 10log(Ant N)+Max Gain = 10log(3)+4=8.77dBi

Power Density Limit:17dBm-(8.77dBi-6dB)=14.23dBm/MHz

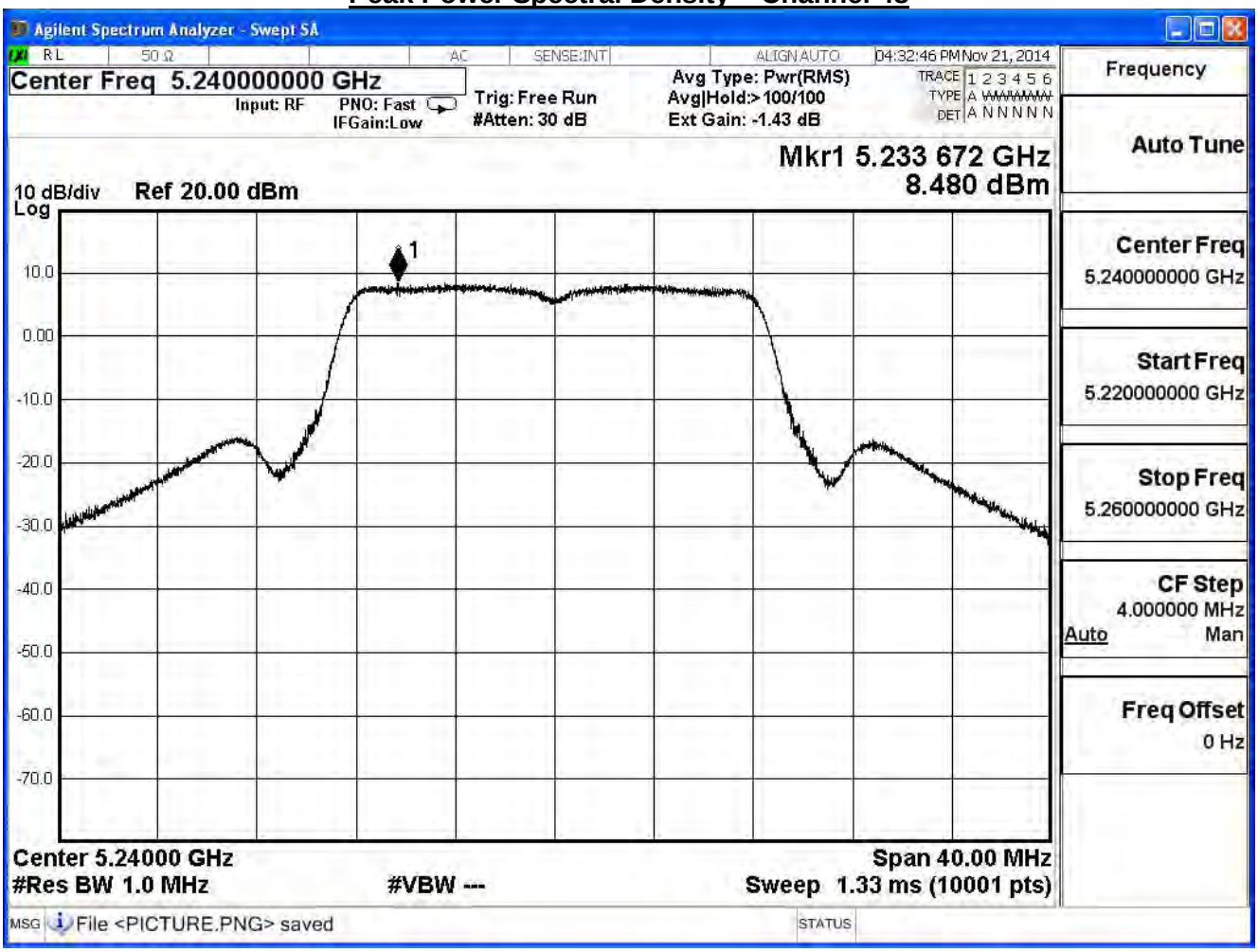
Peak Power Spectral Density – Channel 36



Peak Power Spectral Density – Channel 44



Peak Power Spectral Density – Channel 48



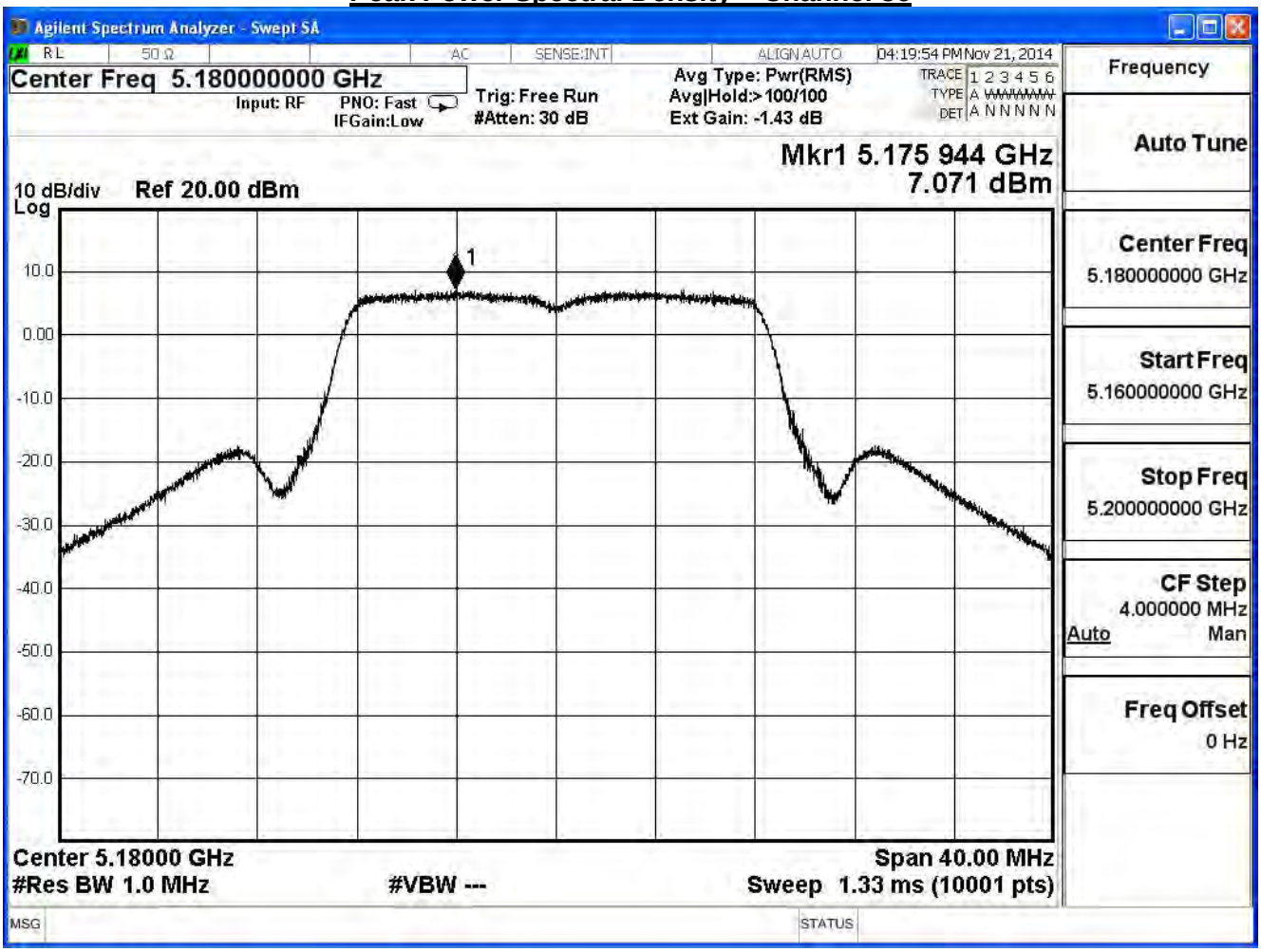
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/23	Test Site	SR7

IEEE 802.11a (ANT 1) -AP and Bridge mode				
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
36	5180	7.071	≦14.23	Pass
44	5220	5.893	≦14.23	Pass
48	5240	9.258	≦14.23	Pass

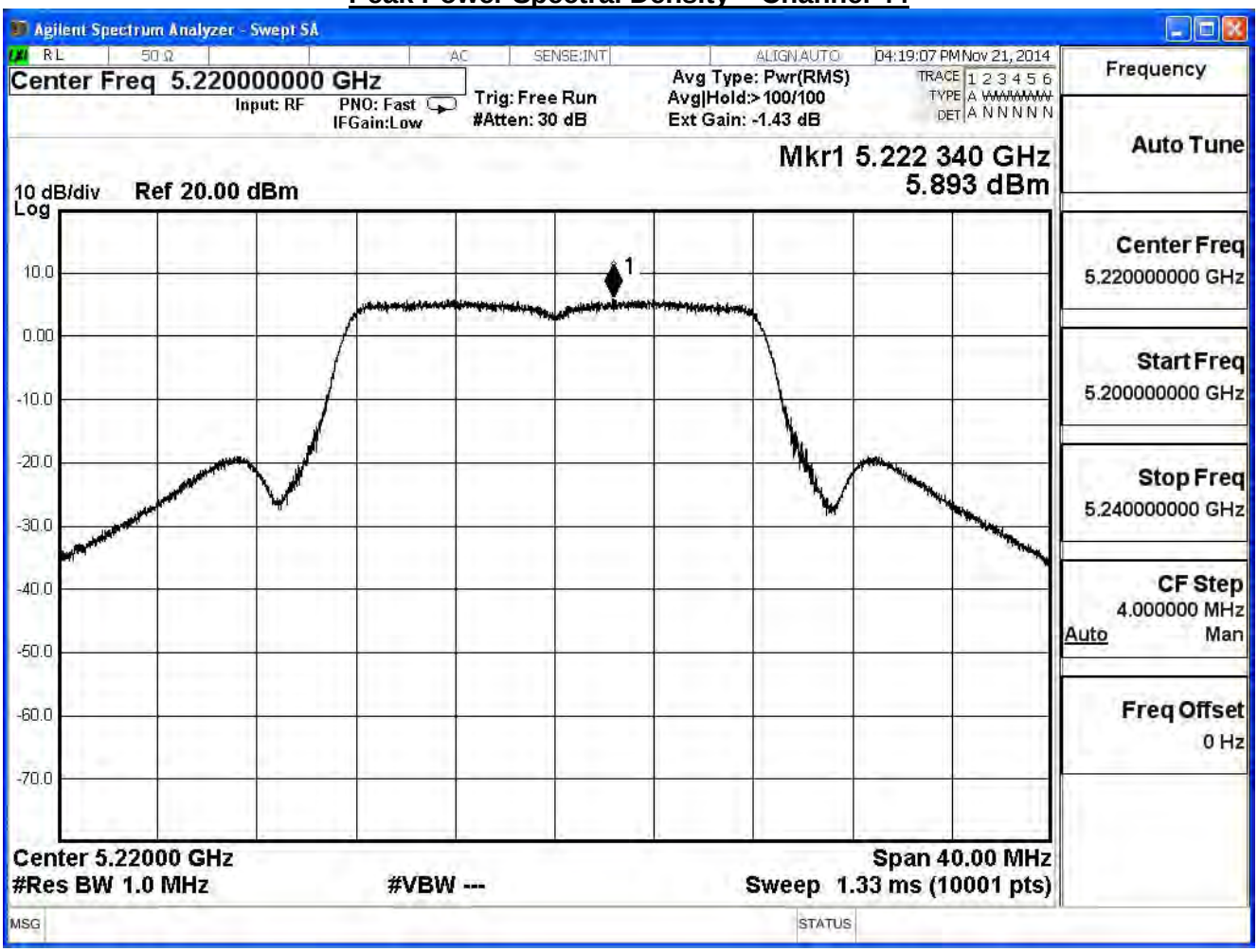
Directional Antenna: 10log(Ant N)+Max Gain = 10log(3)+4=8.77dBi

Power Density Limit:17dBm-(8.77dBi-6dB)=14.23dBm/MHz

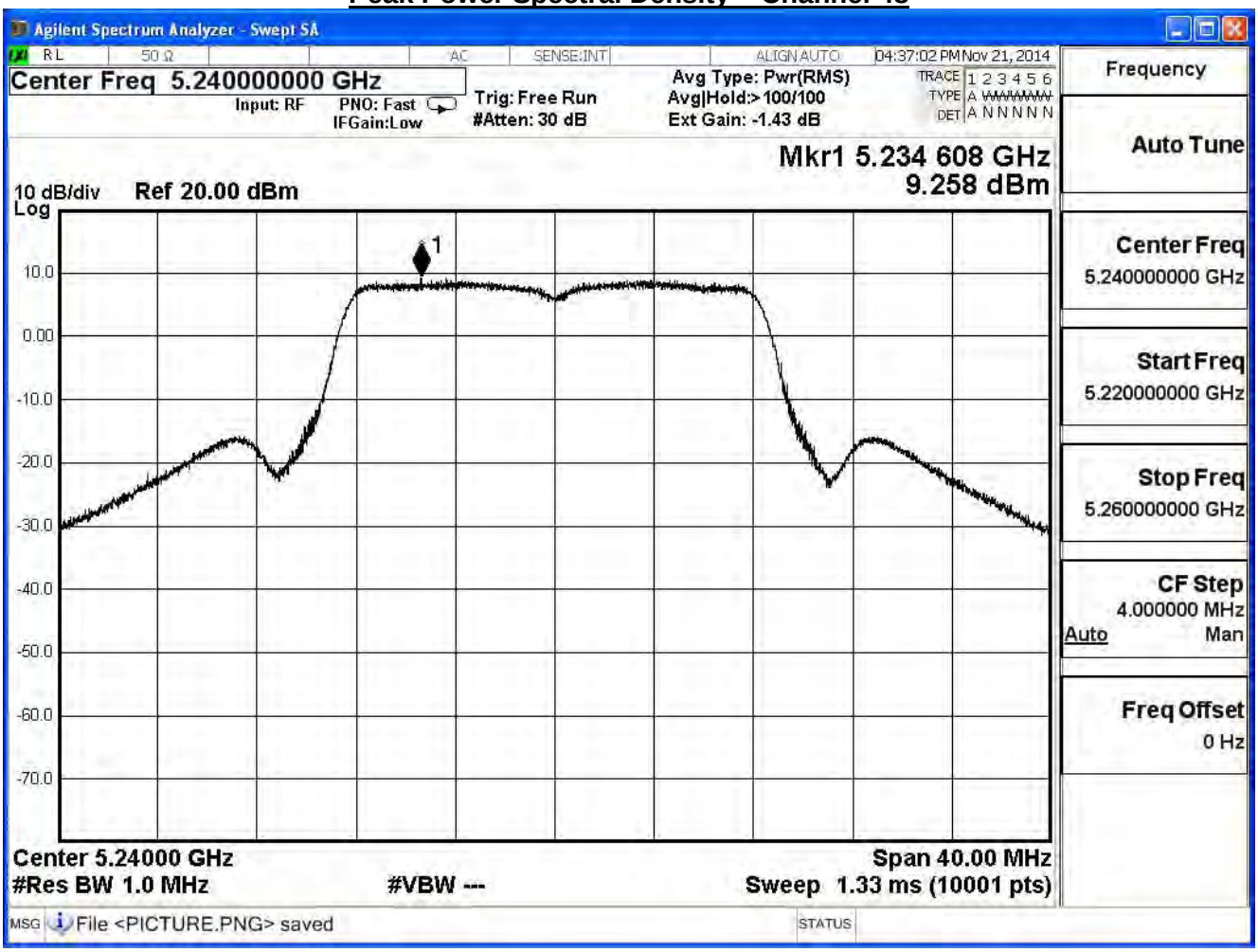
Peak Power Spectral Density – Channel 36



Peak Power Spectral Density – Channel 44



Peak Power Spectral Density – Channel 48



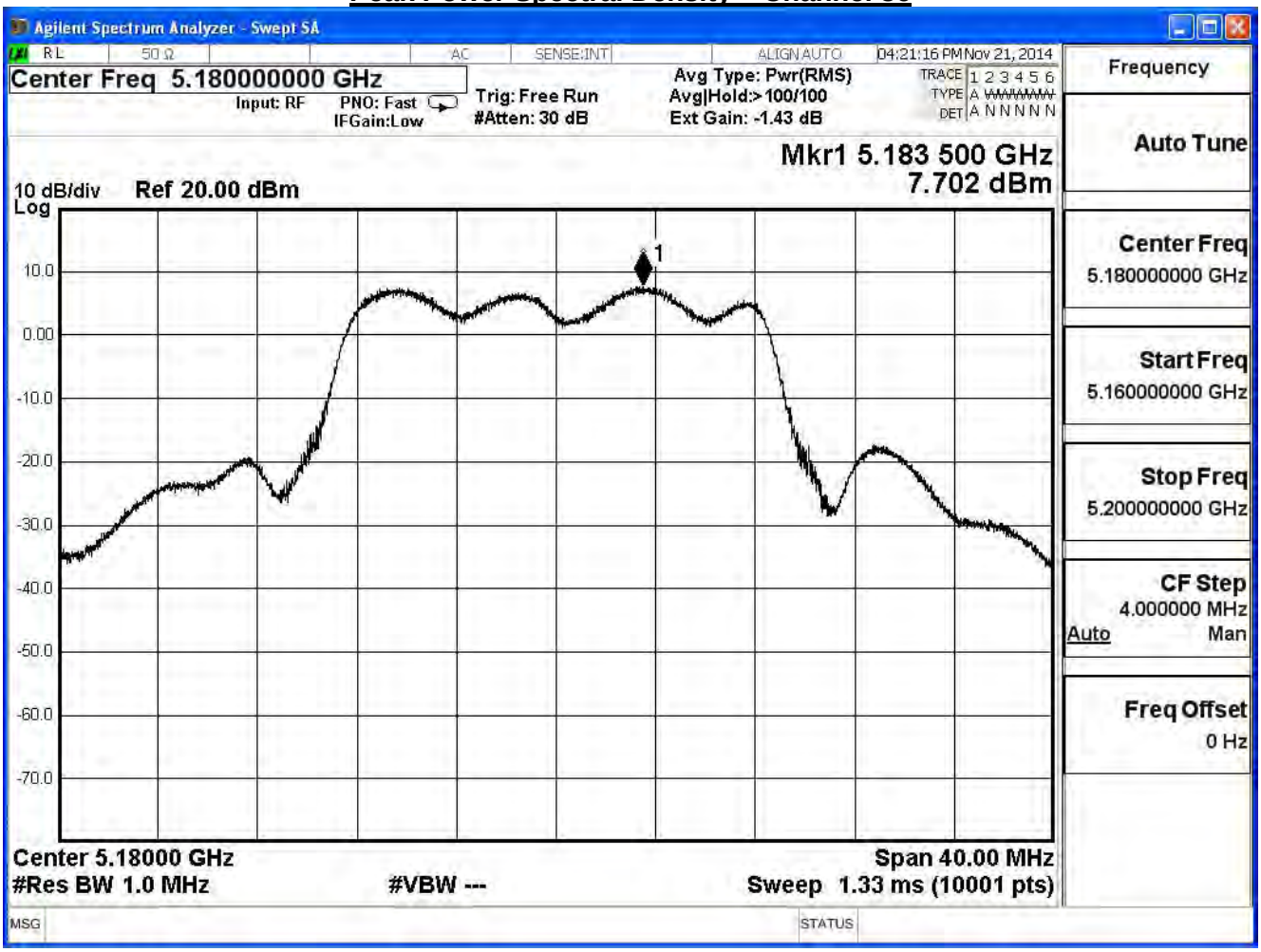
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/23	Test Site	SR7

IEEE 802.11a (ANT 2)- AP and Bridge mode				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
36	5180	7.702	≦14.23	Pass
44	5220	6.371	≦14.23	Pass
48	5240	9.683	≦14.23	Pass

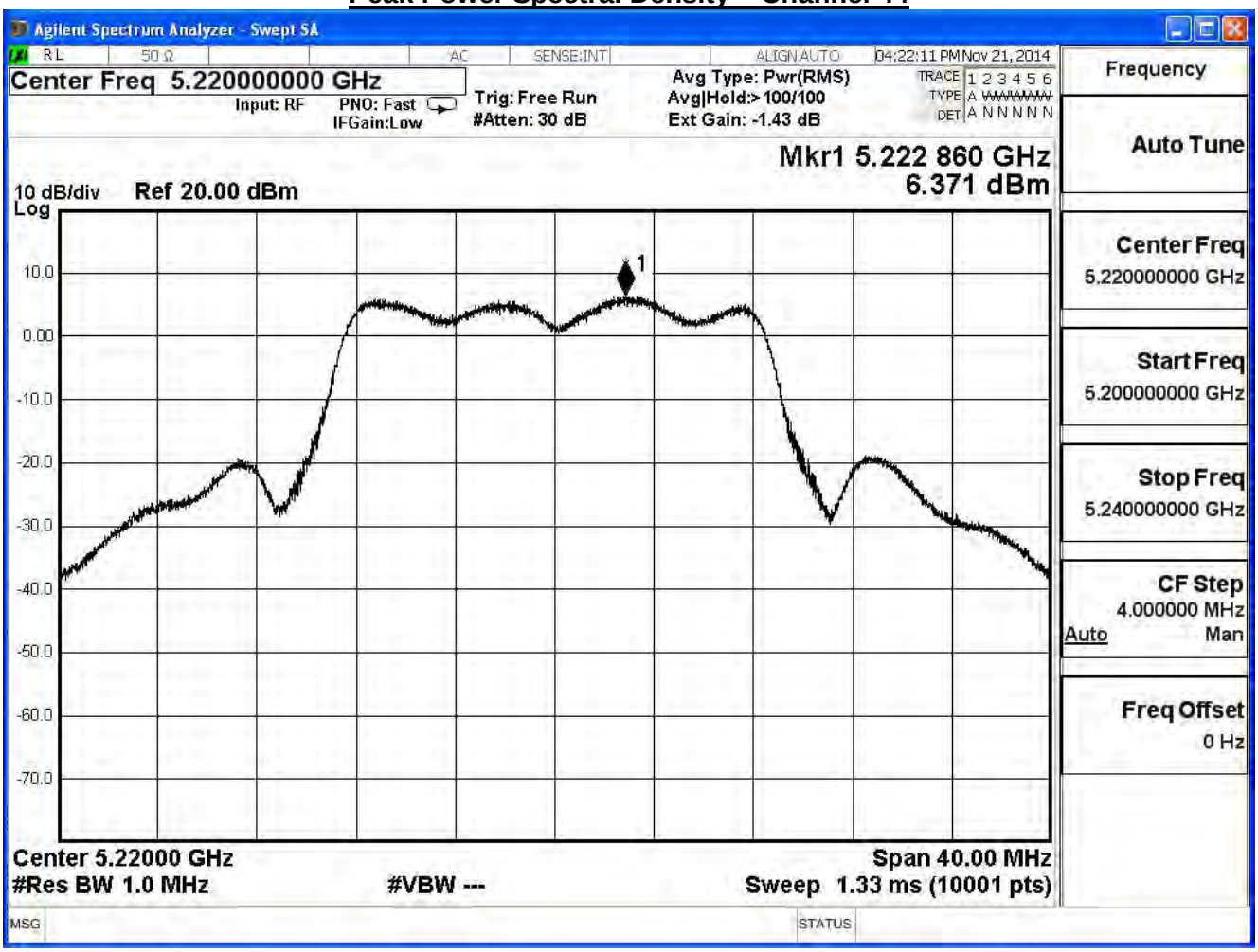
Directional Antenna: 10log(Ant N)+Max Gain = 10log(3)+4=8.77dBi

Power Density Limit:17dBm-(8.77dBi-6dB)=14.23dBm/MHz

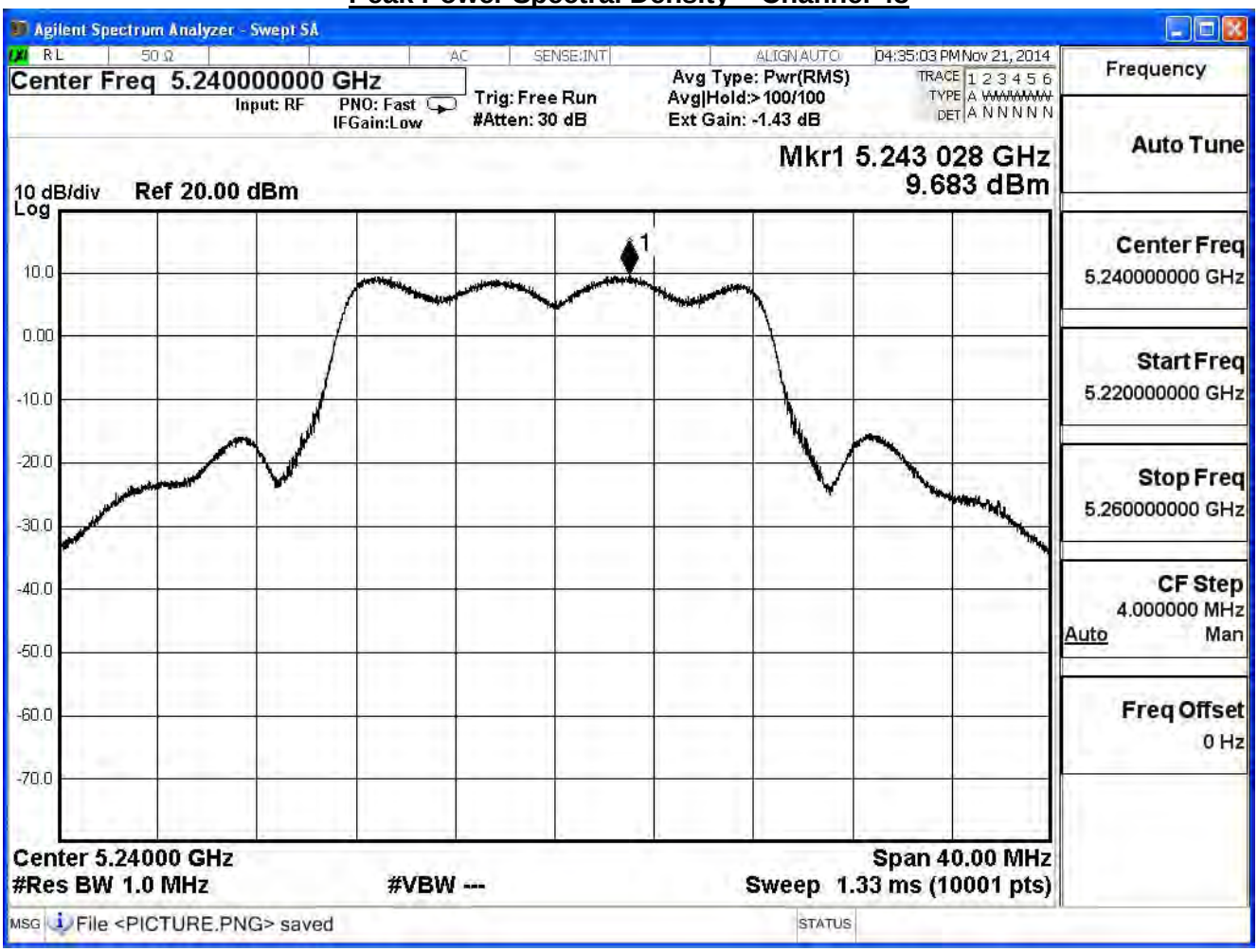
Peak Power Spectral Density – Channel 36



Peak Power Spectral Density – Channel 44



Peak Power Spectral Density – Channel 48



Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/23	Test Site	SR7

IEEE 802.11a (ANT 0+1+2)- AP and Bridge mode				
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
36	5180	11.813	≦14.23	Pass
44	5220	10.619	≦14.23	Pass
48	5240	13.940	≦14.23	Pass

Directional Antenna: 10log(Ant N)+Max Gain = 10log(3)+4=8.77dBi

Power Density Limit:17dBm-(8.77dBi-6dB)=14.23dBm/MHz

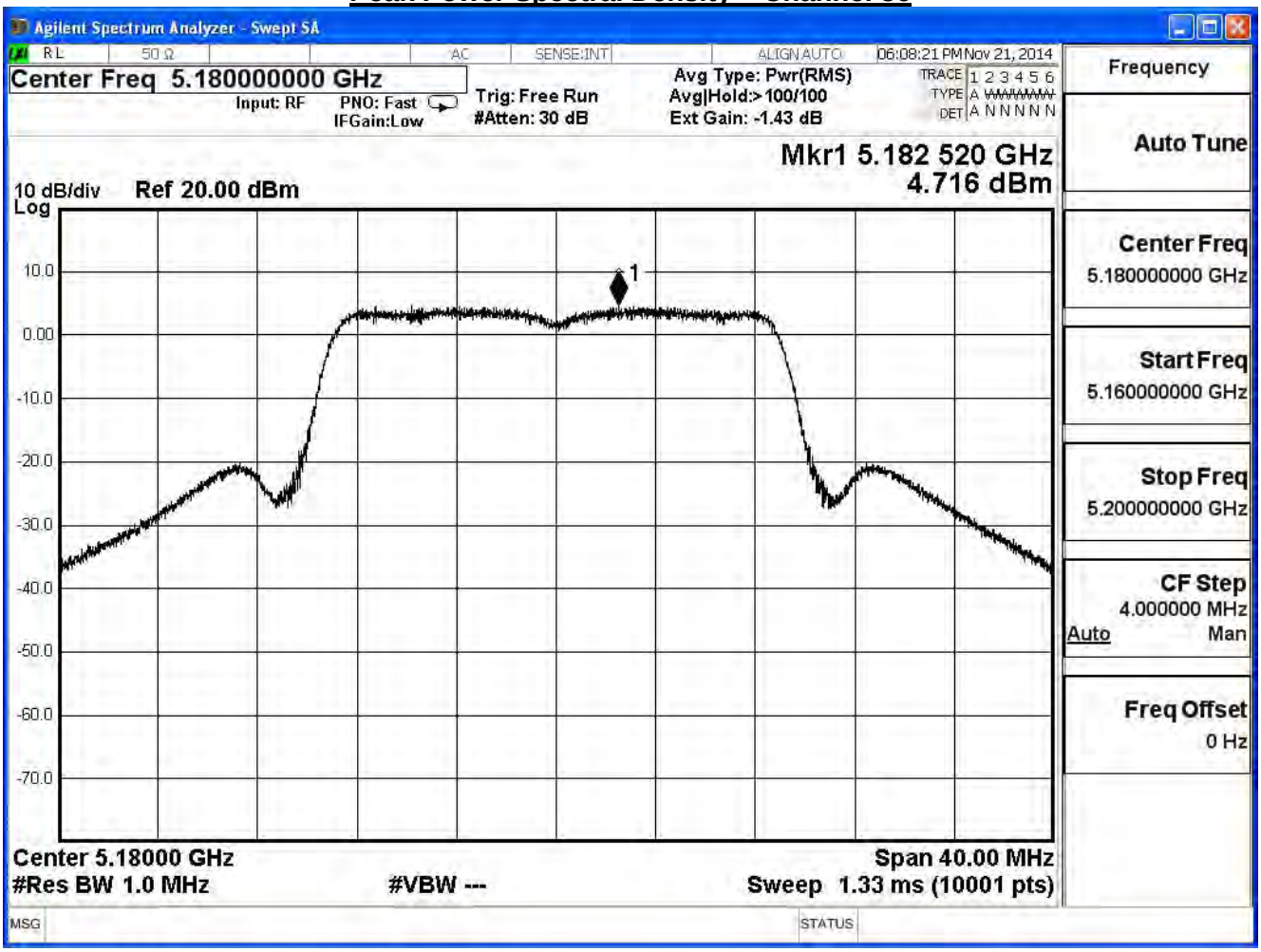
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/23	Test Site	SR7

IEEE 802.11n_20M(ANT 0) -AP and Bridge mode				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
36	5180	4.716	≦14.23	Pass
44	5220	6.712	≦14.23	Pass
48	5240	8.704	≦14.23	Pass

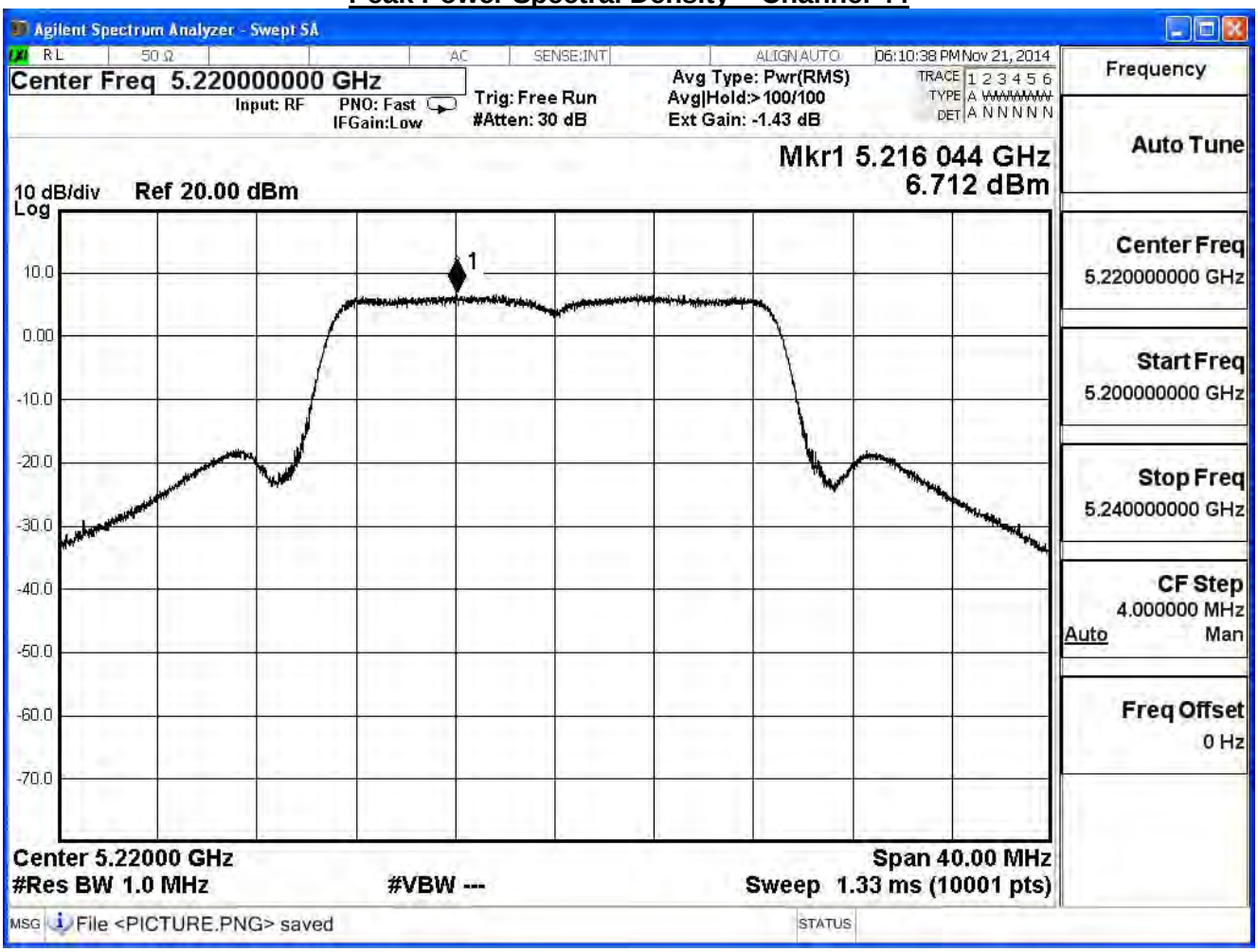
Directional Antenna: 10log(Ant N)+Max Gain = 10log(3)+4=8.77dBi

Power Density Limit:17dBm-(8.77dBi-6dB)=14.23dBm/MHz

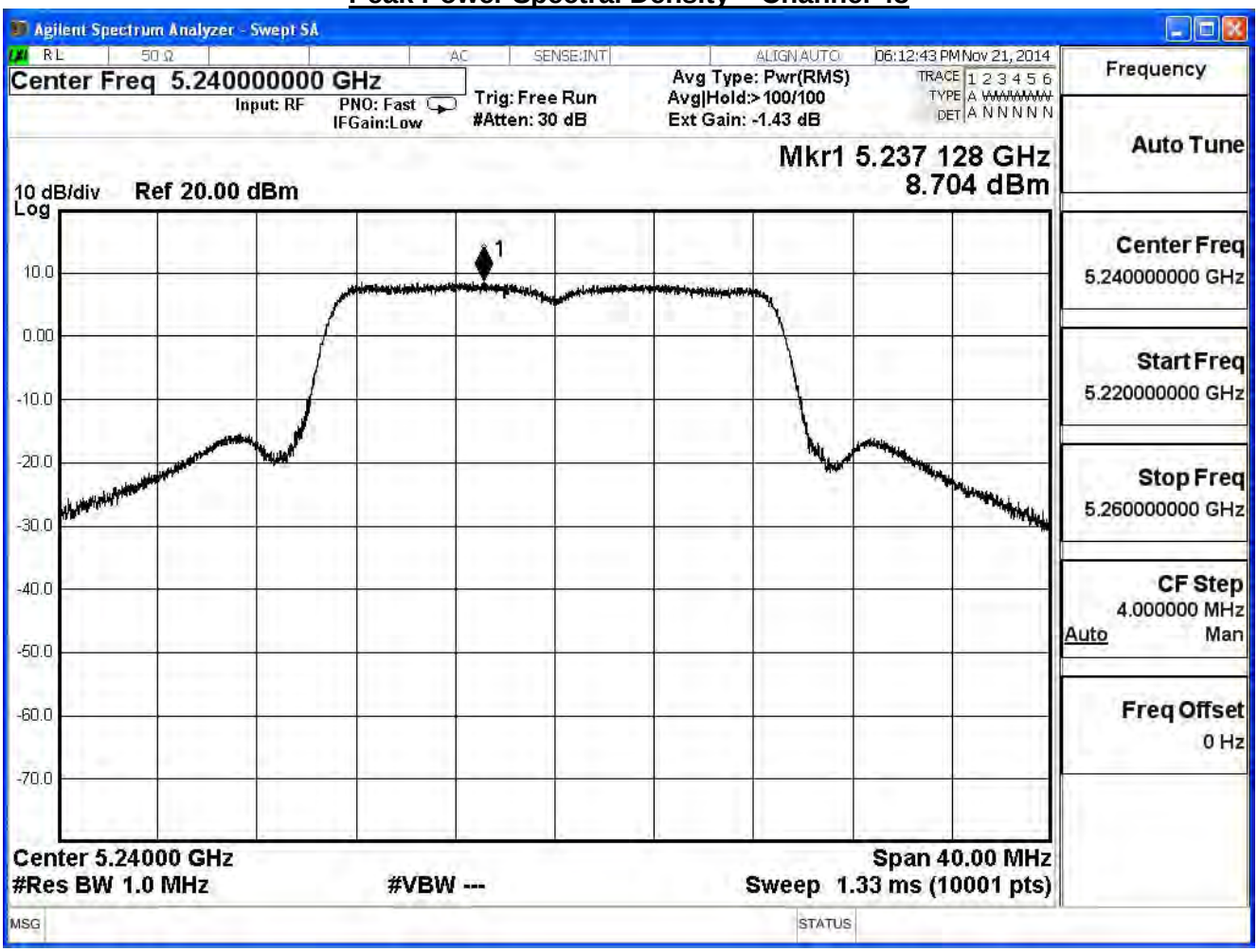
Peak Power Spectral Density – Channel 36



Peak Power Spectral Density – Channel 44



Peak Power Spectral Density – Channel 48



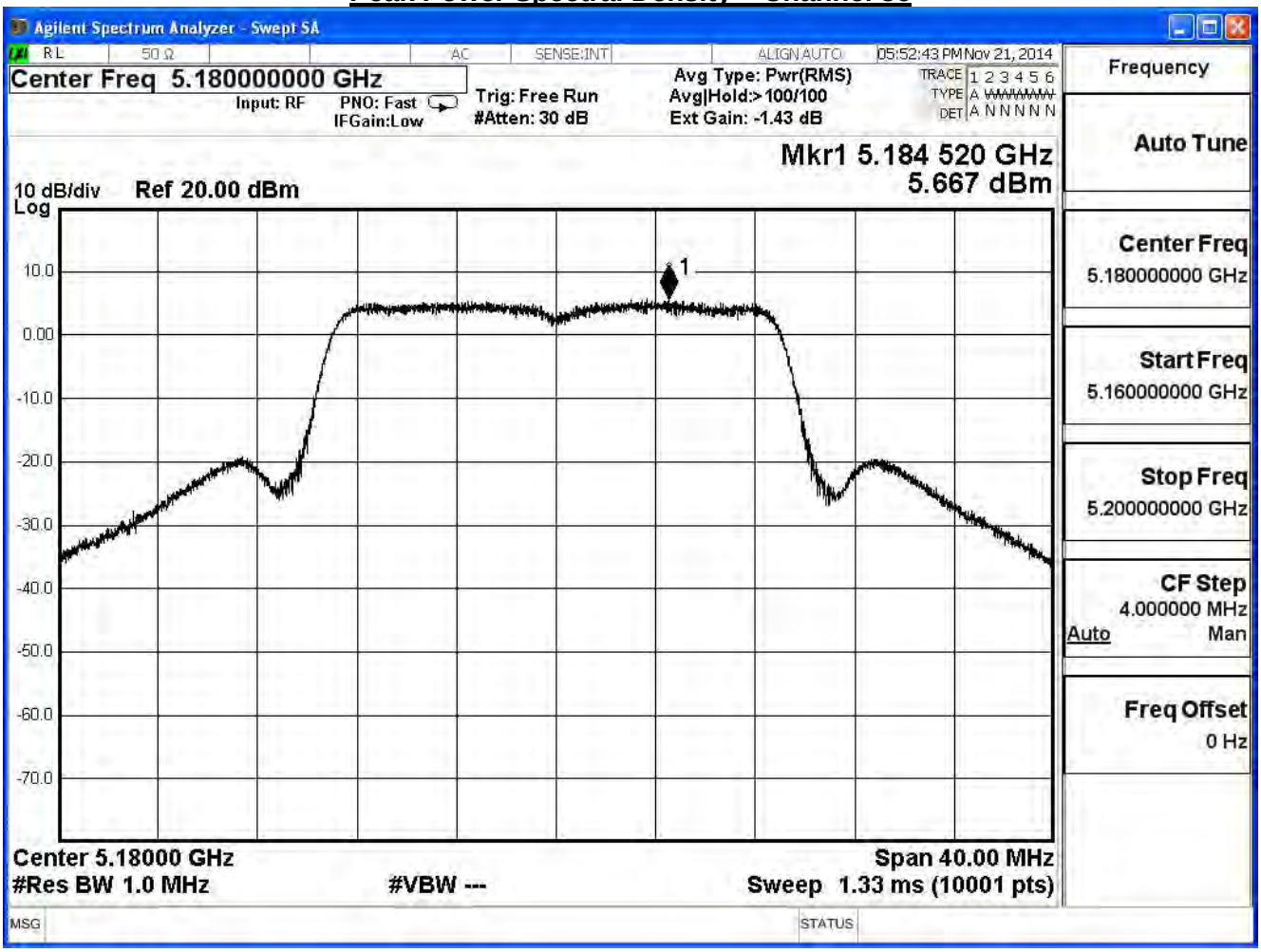
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/23	Test Site	SR7

IEEE 802.11n_20M(ANT 1)- AP and Bridge mode				
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
36	5180	5.667	≦14.23	Pass
44	5220	7.053	≦14.23	Pass
48	5240	9.304	≦14.23	Pass

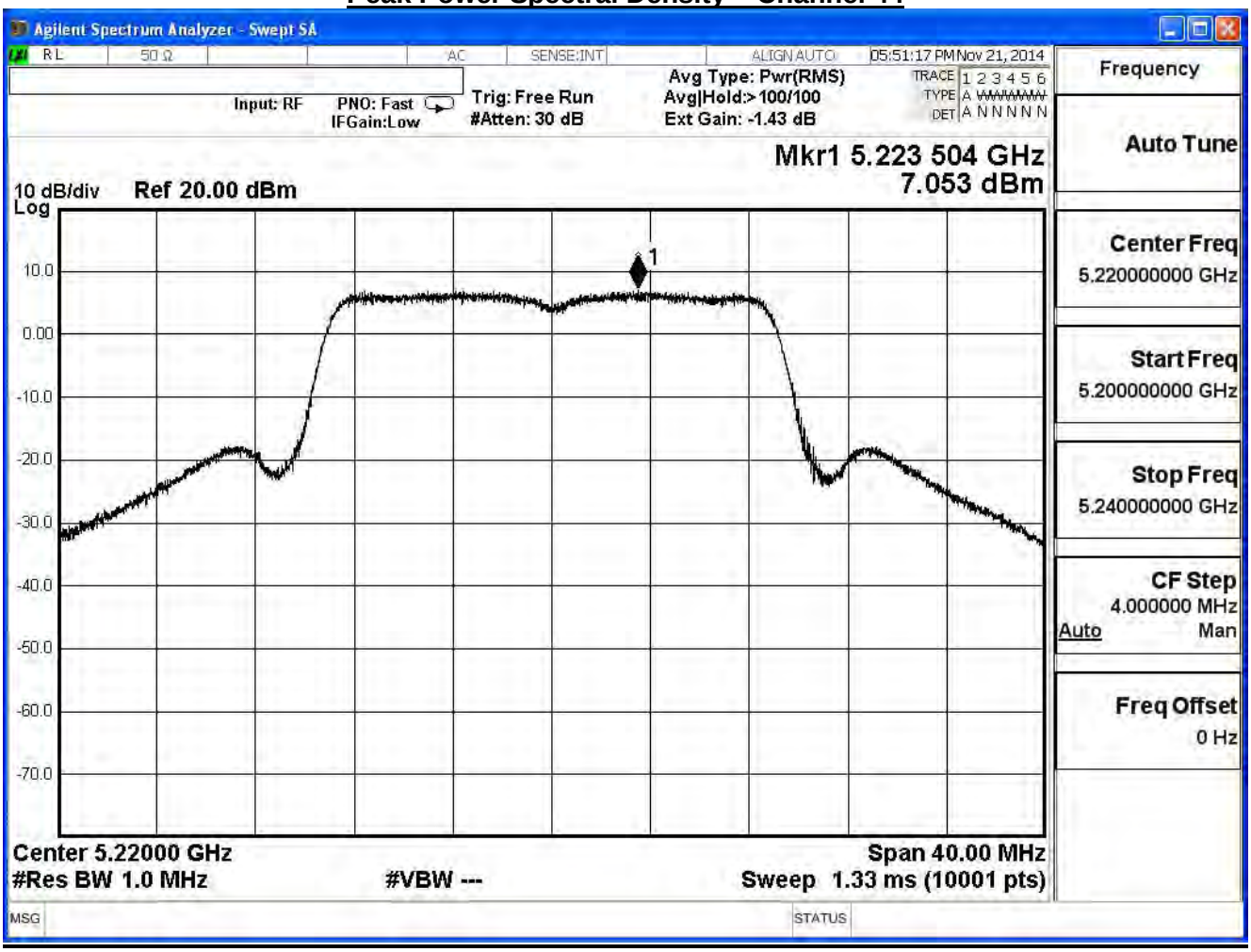
Directional Antenna: 10log(Ant N)+Max Gain = 10log(3)+4=8.77dBi

Power Density Limit:17dBm-(8.77dBi-6dB)=14.23dBm/MHz

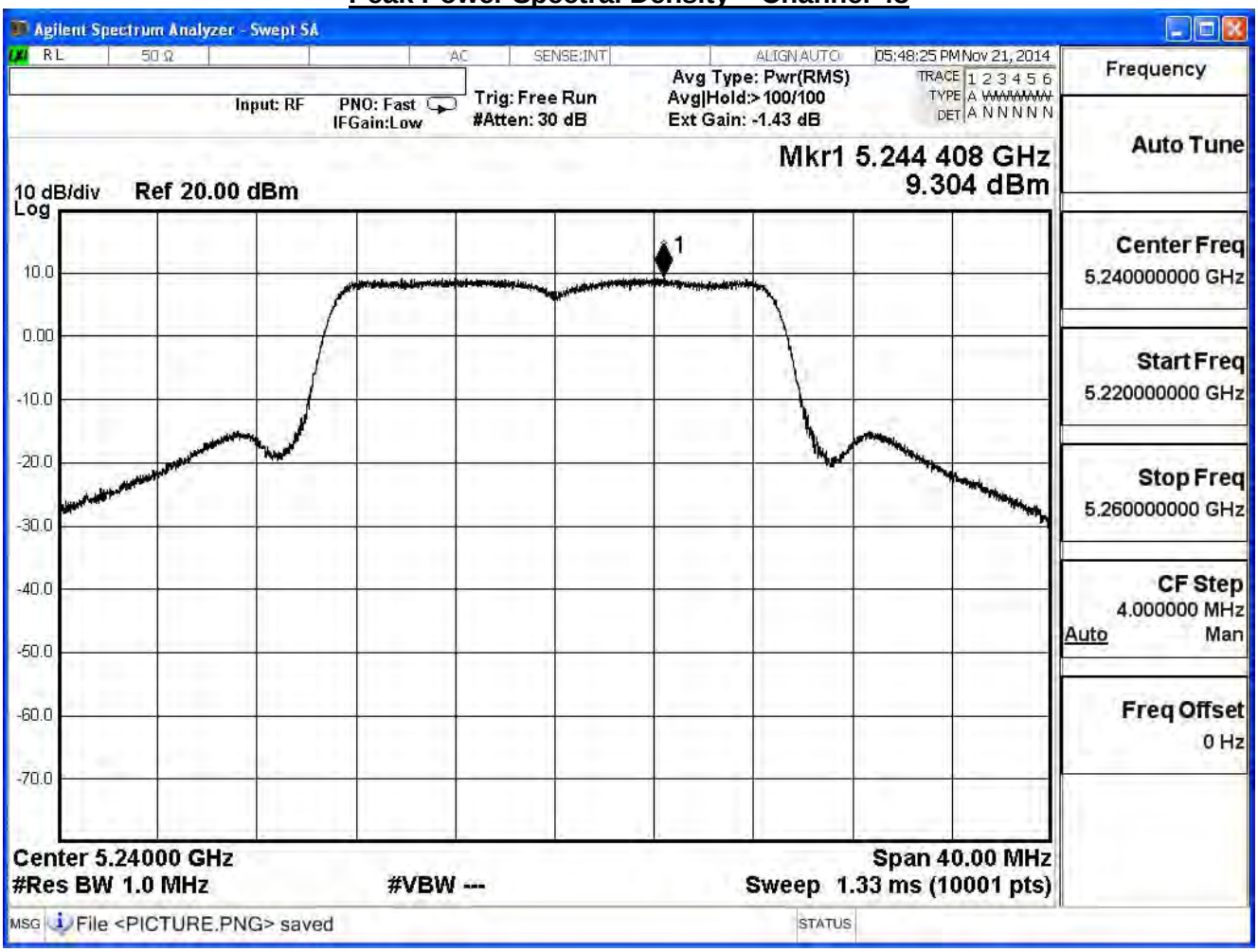
Peak Power Spectral Density – Channel 36



Peak Power Spectral Density – Channel 44



Peak Power Spectral Density – Channel 48



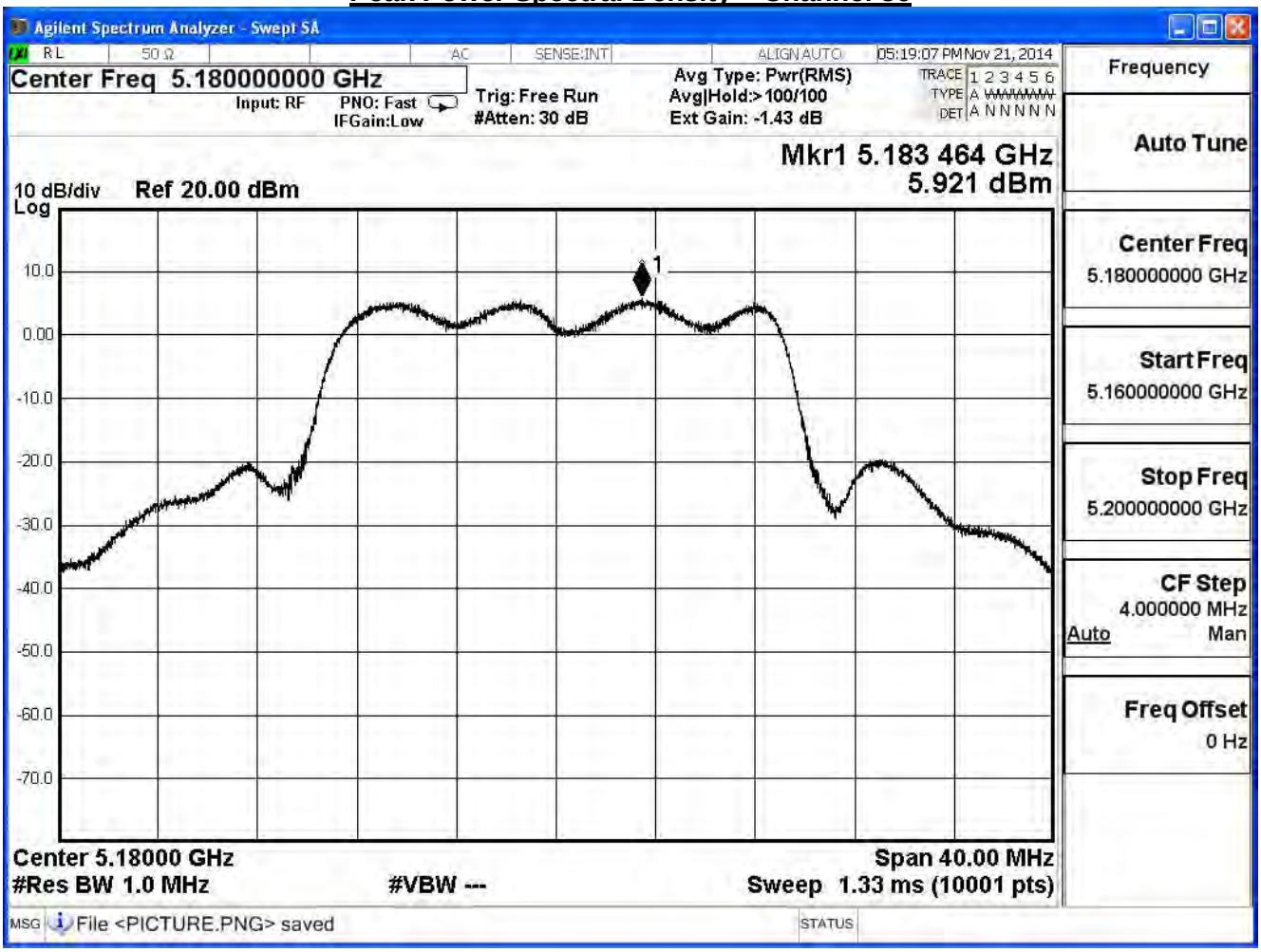
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/23	Test Site	SR7

IEEE 802.11n_20M(ANT 2)-AP and Bridge mode				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
36	5180	5.921	≦14.23	Pass
44	5220	7.600	≦14.23	Pass
48	5240	9.610	≦14.23	Pass

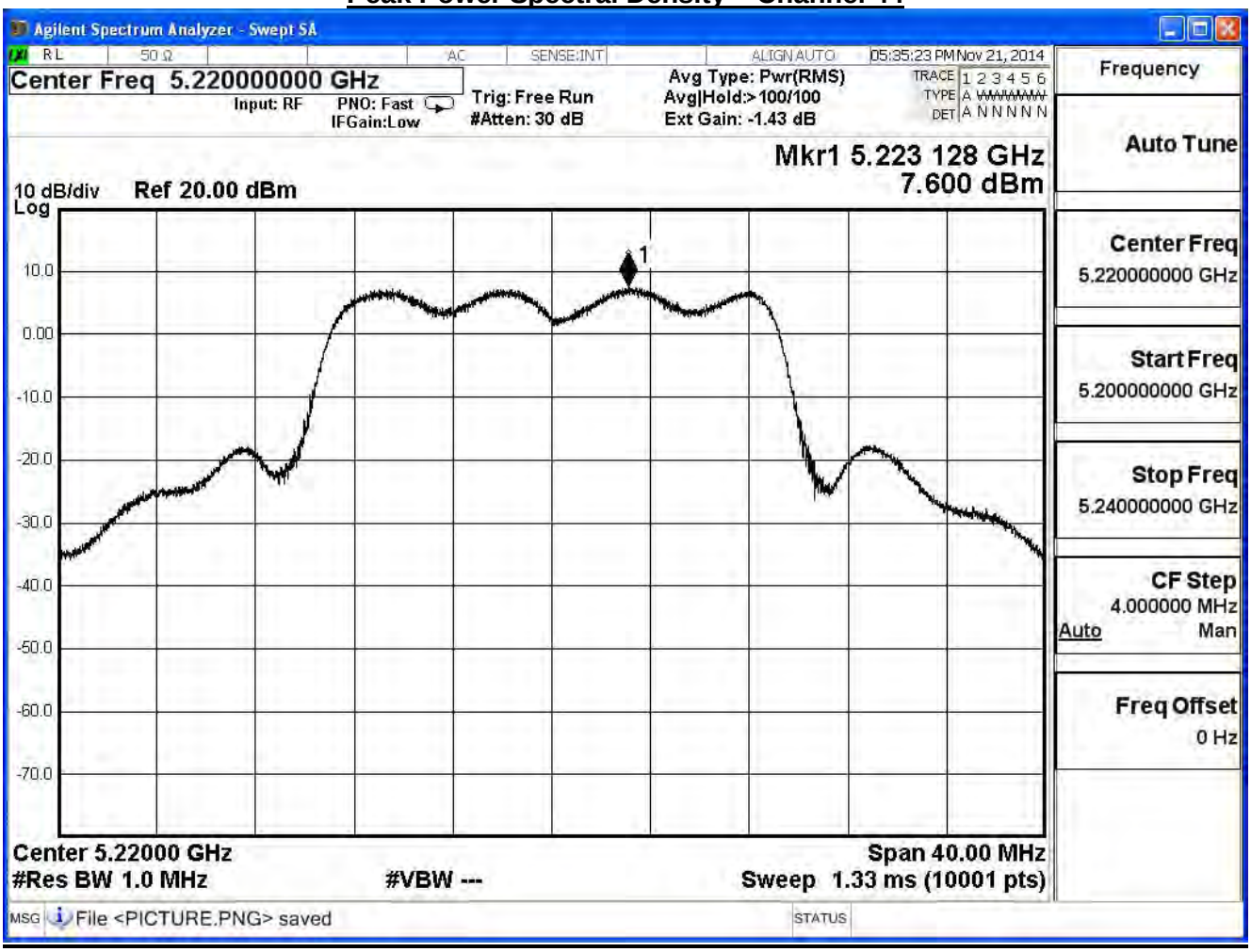
Directional Antenna: 10log(Ant N)+Max Gain = 10log(3)+4=8.77dBi

Power Density Limit:17dBm-(8.77dBi-6dB)=14.23dBm/MHz

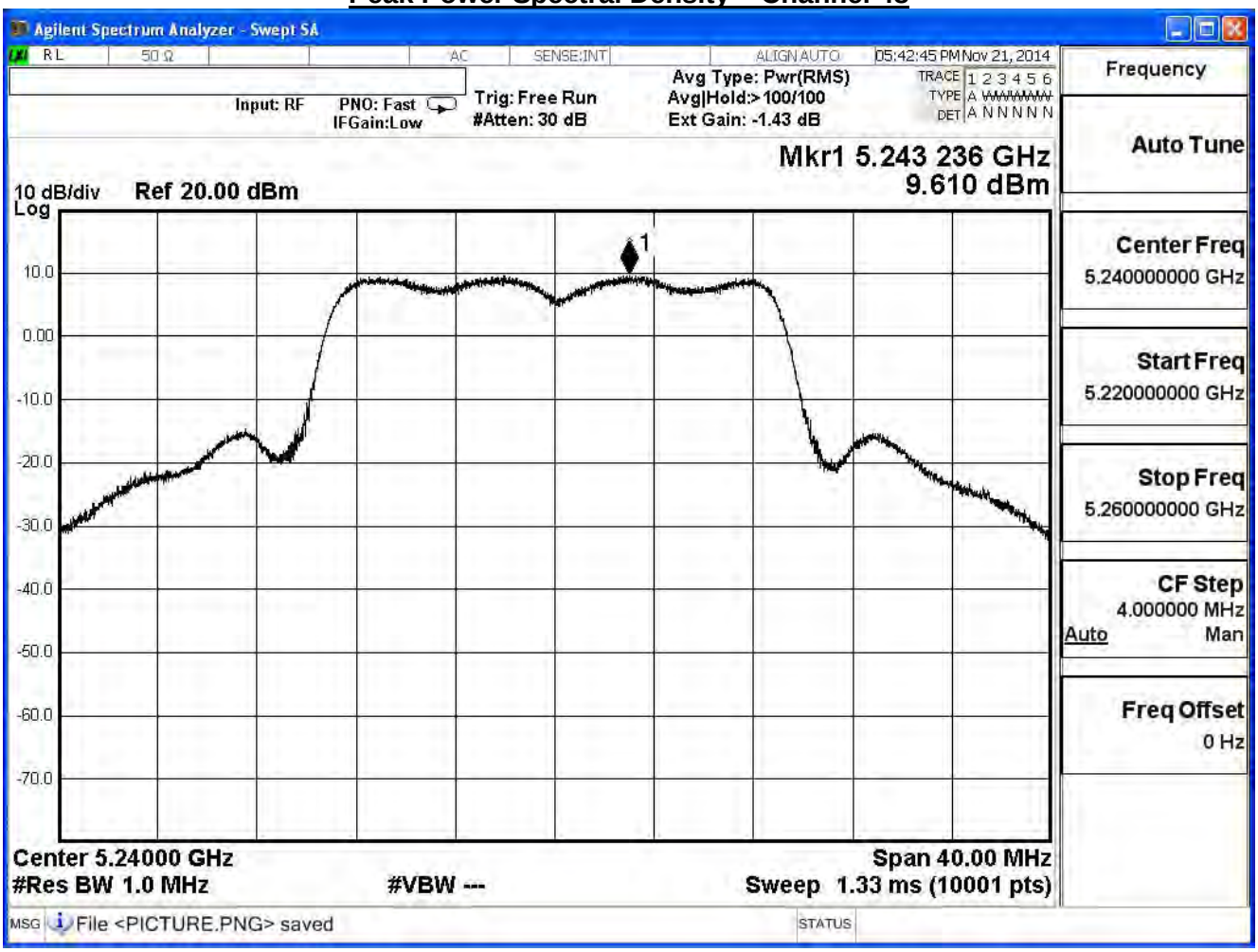
Peak Power Spectral Density – Channel 36



Peak Power Spectral Density – Channel 44



Peak Power Spectral Density – Channel 48



Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/23	Test Site	SR7

IEEE 802.11n_20M(ANT 0+1+2)- AP and Bridge mode

Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
36	5180	10.236	≦14.23	Pass
44	5220	11.908	≦14.23	Pass
48	5240	13.993	≦14.23	Pass

Directional Antenna: 10log(Ant N)+Max Gain = 10log(3)+4=8.77dBi

Power Density Limit:17dBm-(8.77dBi-6dB)=14.23dBm/MHz

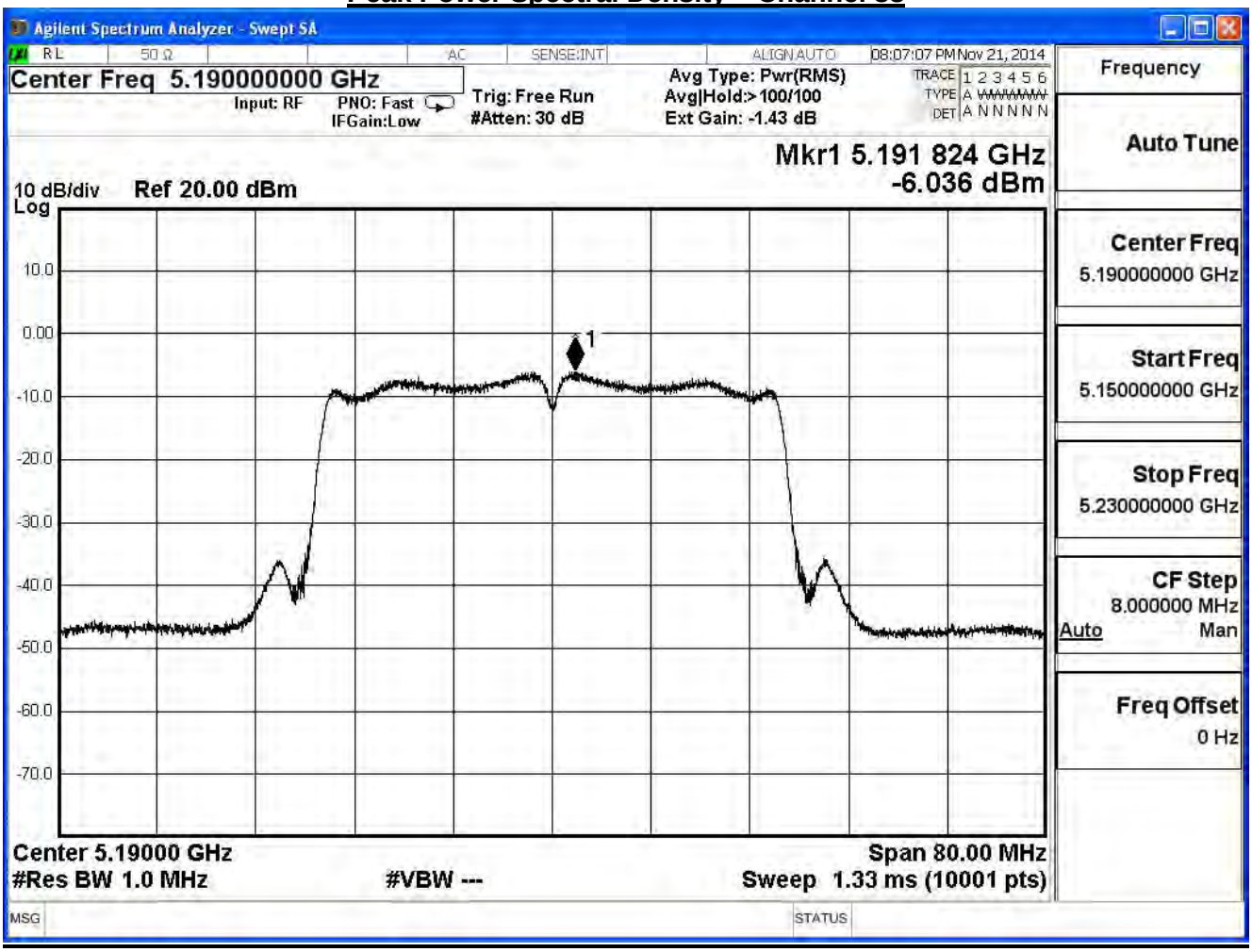
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/23	Test Site	SR7

IEEE 802.11n_40M(ANT 0)- AP and Bridge mode			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
38	5190	-6.036	≦14.23
46	5230	5.770	≦14.23

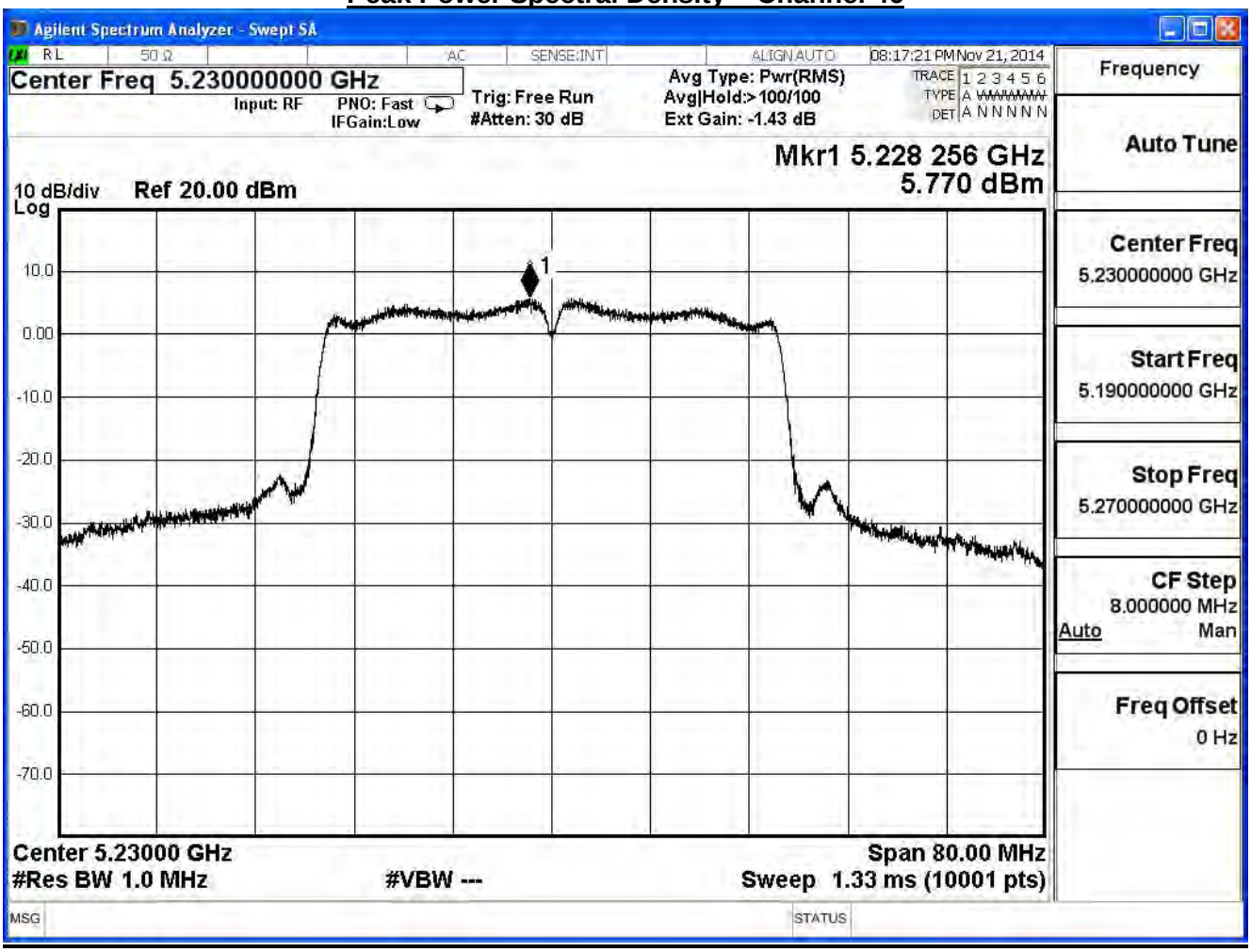
Directional Antenna: 10log(Ant N)+Max Gain = 10log(3)+4=8.77dBi

Power Density Limit:17dBm-(8.77dBi-6dB)=14.23dBm/MHz

Peak Power Spectral Density – Channel 38



Peak Power Spectral Density – Channel 46



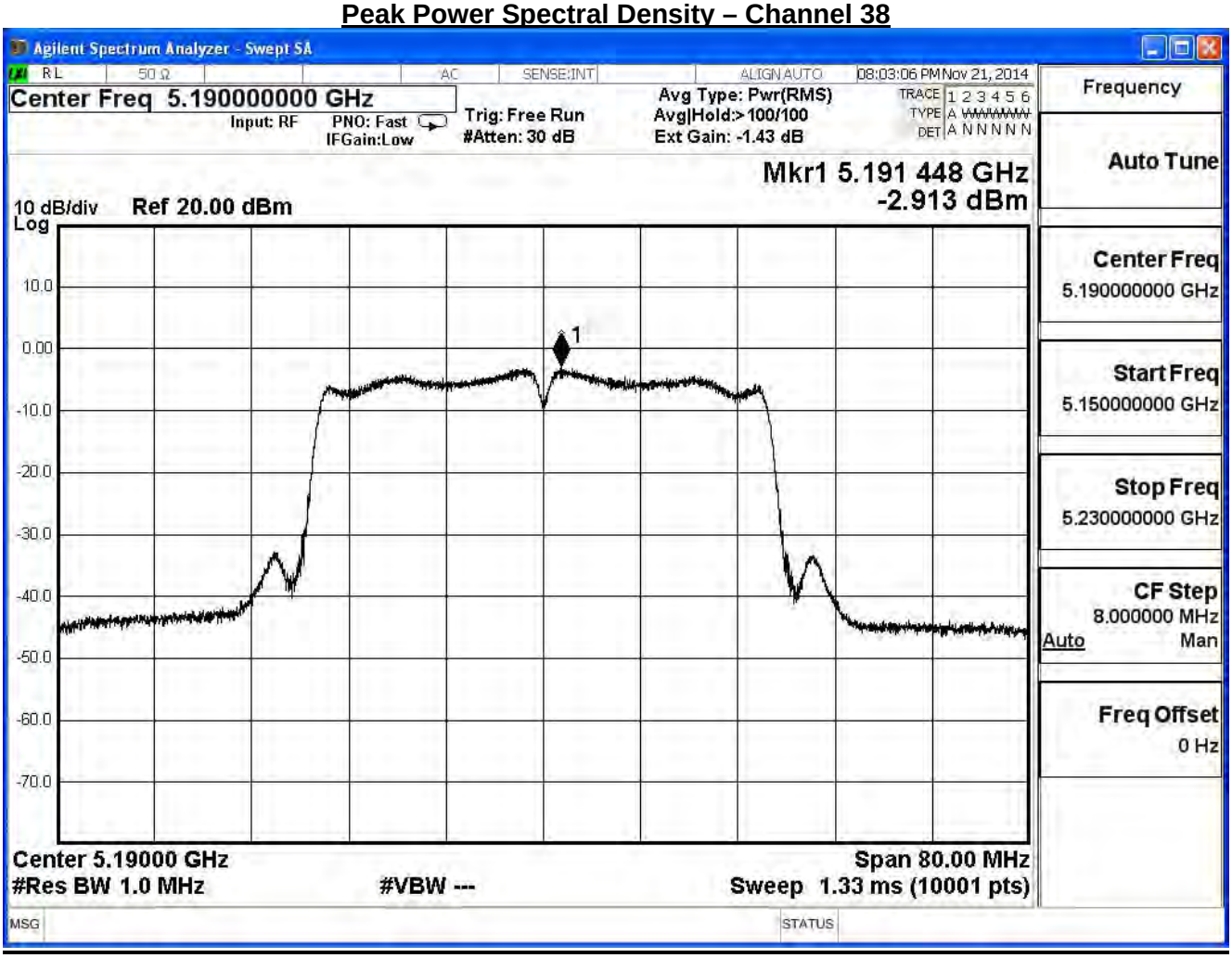
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/23	Test Site	SR7

IEEE 802.11n_40M(ANT 1)- AP and Bridge mode				
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
38	5190	-2.913	≦14.23	Pass
46	5230	6.226	≦14.23	Pass

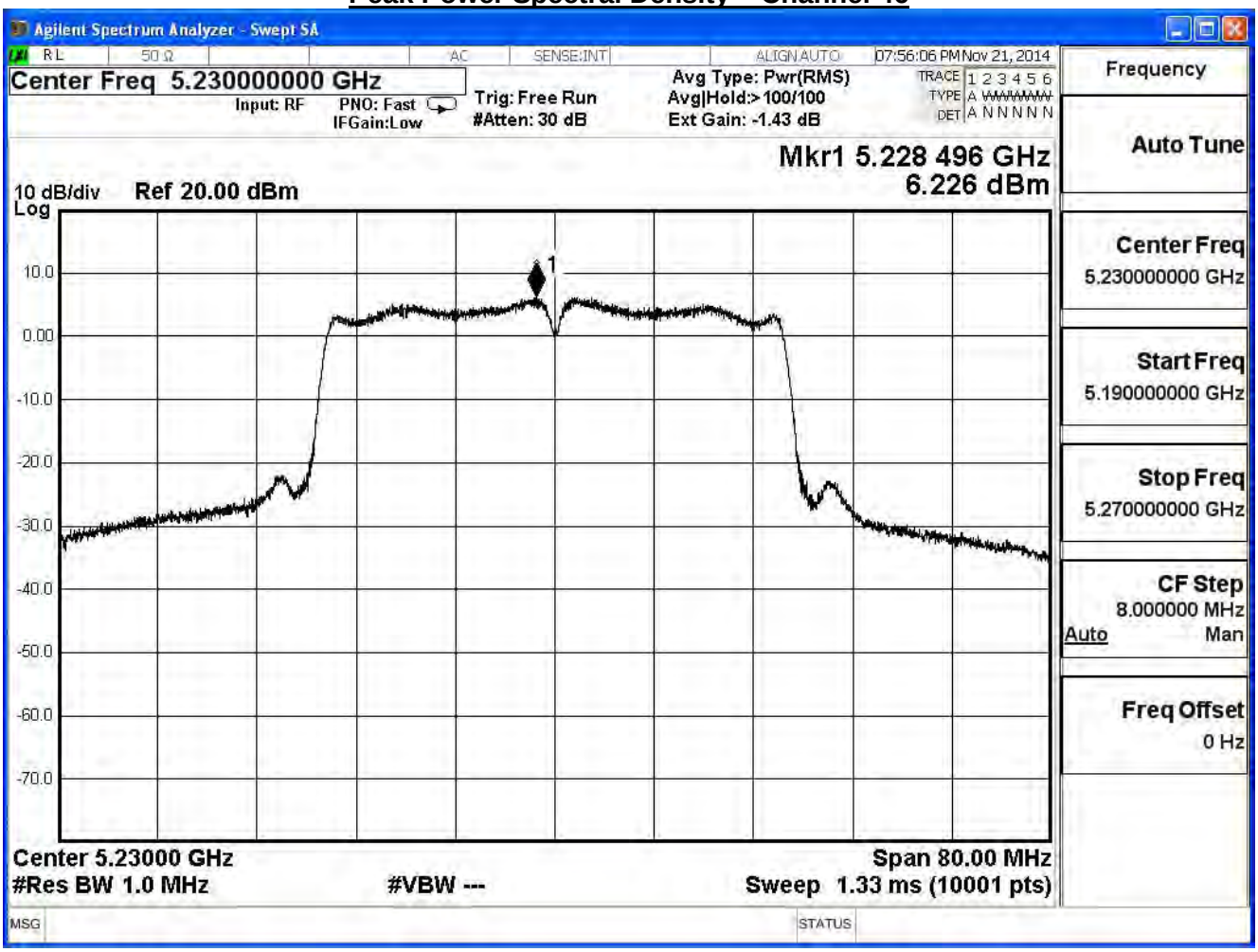
Directional Antenna: 10log(Ant N)+Max Gain = 10log(3)+4=8.77dBi

Power Density Limit:17dBm-(8.77dBi-6dB)=14.23dBm/MHz

Peak Power Spectral Density – Channel 38



Peak Power Spectral Density – Channel 46



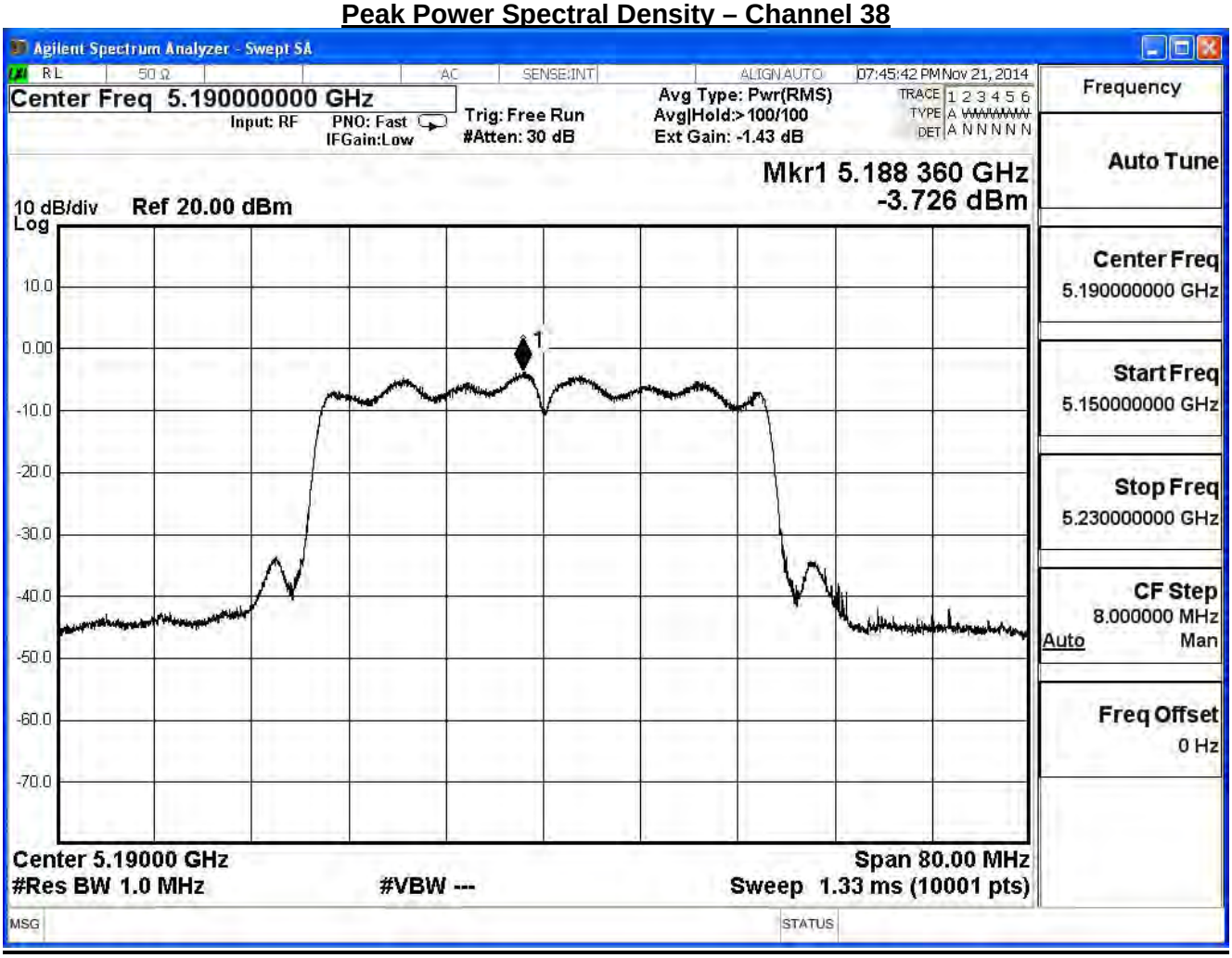
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/23	Test Site	SR7

IEEE 802.11n_40M(ANT 2) -AP and Bridge mode				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
38	5190	-3.726	≦14.23	Pass
46	5230	6.881	≦14.23	Pass

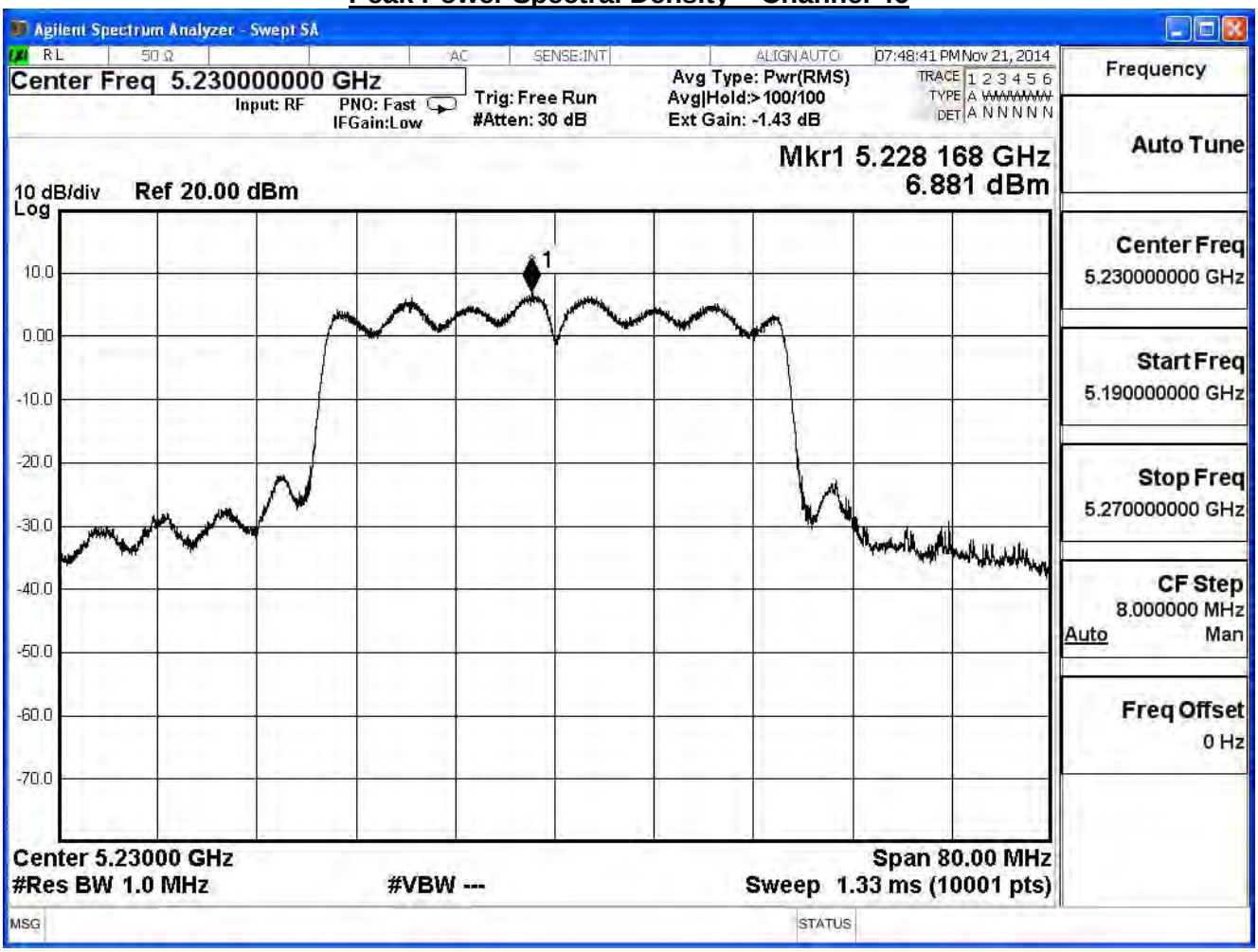
Directional Antenna: 10log(Ant N)+Max Gain = 10log(3)+4=8.77dBi

Power Density Limit:17dBm-(8.77dBi-6dB)=14.23dBm/MHz

Peak Power Spectral Density – Channel 38



Peak Power Spectral Density – Channel 46



Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/23	Test Site	SR7

IEEE 802.11n_40M(ANT 0+1+2) -AP and Bridge mode				
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
38	5190	0.735	≦14.23	Pass
46	5230	11.088	≦14.23	Pass

Directional Antenna: 10log(Ant N)+Max Gain = 10log(3)+4=8.77dBi

Power Density Limit:17dBm-(8.77dBi-6dB)=14.23dBm/MHz

6. Radiated Emission

6.1. Test Equipment

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

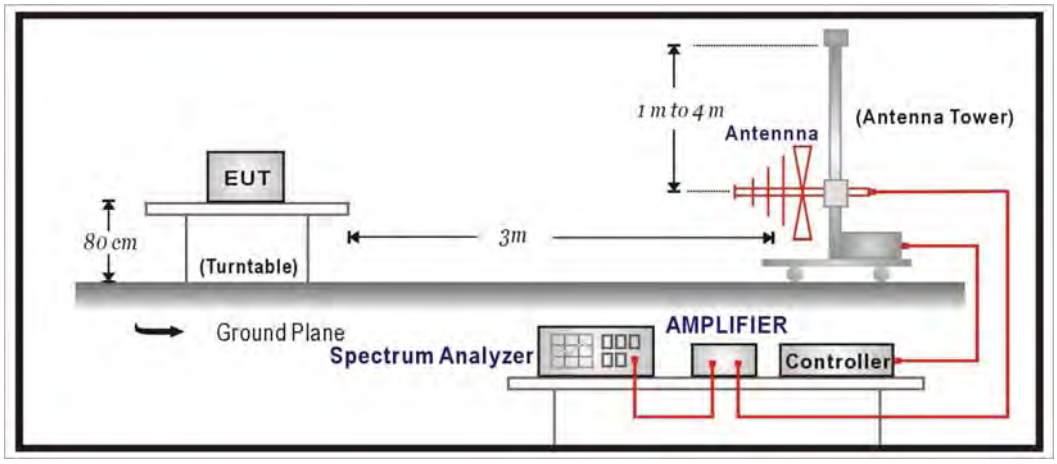
Radiated Emission / CB1

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Bilog Antenna	Schaffner	CBL6112B	2895(CB1)	2015/08/14
Double Ridged Guide Horn Antenna	Schwarzback	BBHA 9120	D743	2015/02/12
Pre-Amplifier	Quietek	AMF-4D.	888003	2015/06/02
Pre-Amplifier	QuieTek	AP-025C	CHM-0706049	2015/02/06
Spectrum Analyzer	Agilent	E4440A	MY46187335	2016/01/07
k Type Cable	Huber Suhner	Sucoflex 102	25623/2	2015/02/10

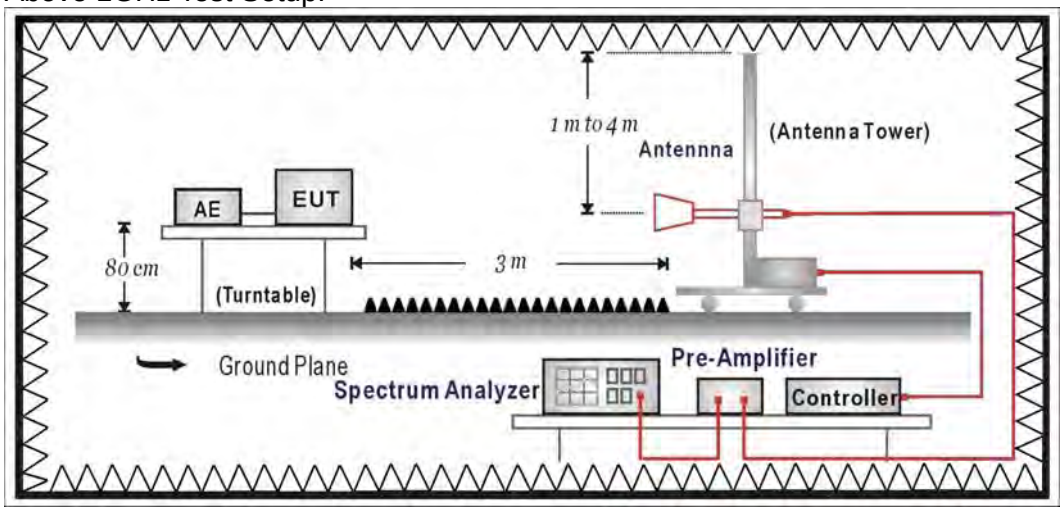
Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

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: 2009 on radiated measurement.
The additional latch filter below 1GHz was used to measure the level of harmonics radiated emission during field dtrength of harmonics measurement.
The bandwidth below 1GHz setting on the field strength meter is 120 KHz, above 1GHz are 1 MHz.
The frequency range from 30MHz to 10th harminics is checked.

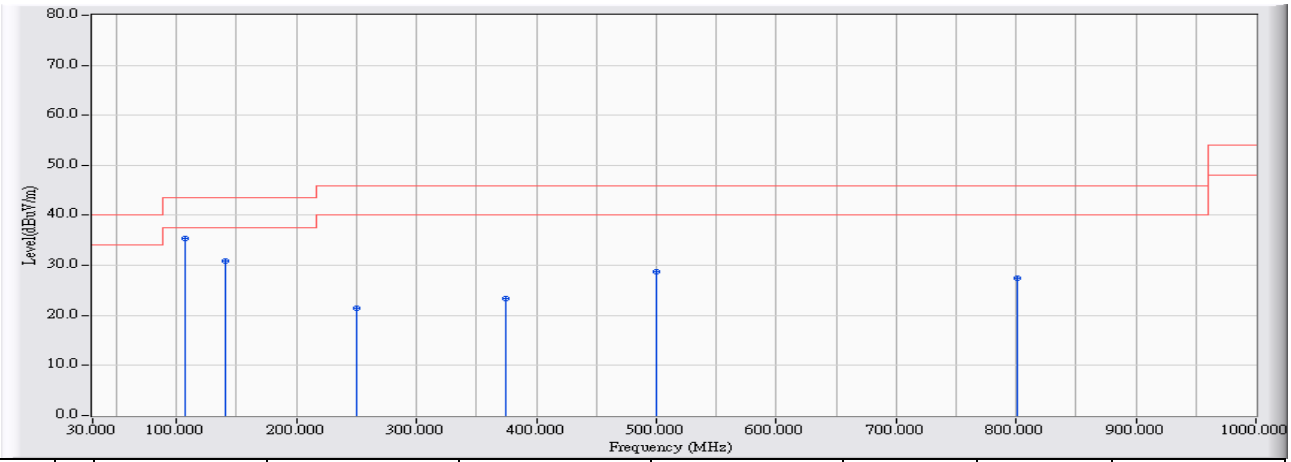
6.5. Uncertainty

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

6.6. Test Result

30MHz-1GHz Spurious

Site : CB1	**Time : 2015/01/26 - 20:15**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11a_5220MHz**

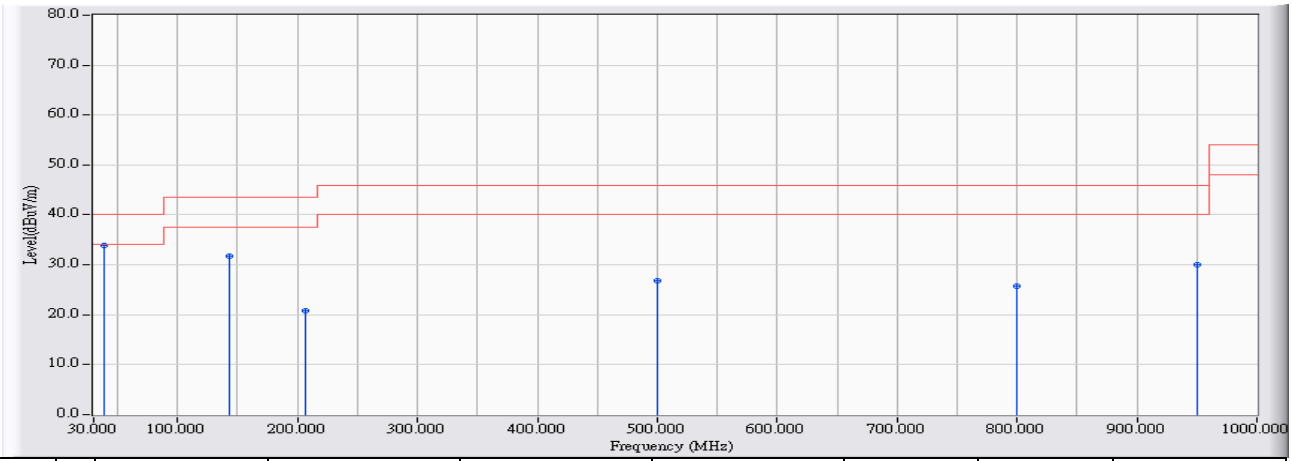


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	106.630	-13.949	49.444	35.494	-8.006	43.500	QUASIPEAK
2		141.065	-13.997	44.974	30.977	-12.523	43.500	QUASIPEAK
3		250.190	-12.235	33.742	21.507	-24.493	46.000	QUASIPEAK
4		374.835	-9.991	33.300	23.309	-22.691	46.000	QUASIPEAK
5		500.450	-7.839	36.680	28.841	-17.159	46.000	QUASIPEAK
6		800.665	-6.406	33.936	27.530	-18.470	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2015/01/26 - 20:19**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11a_5220MHz**

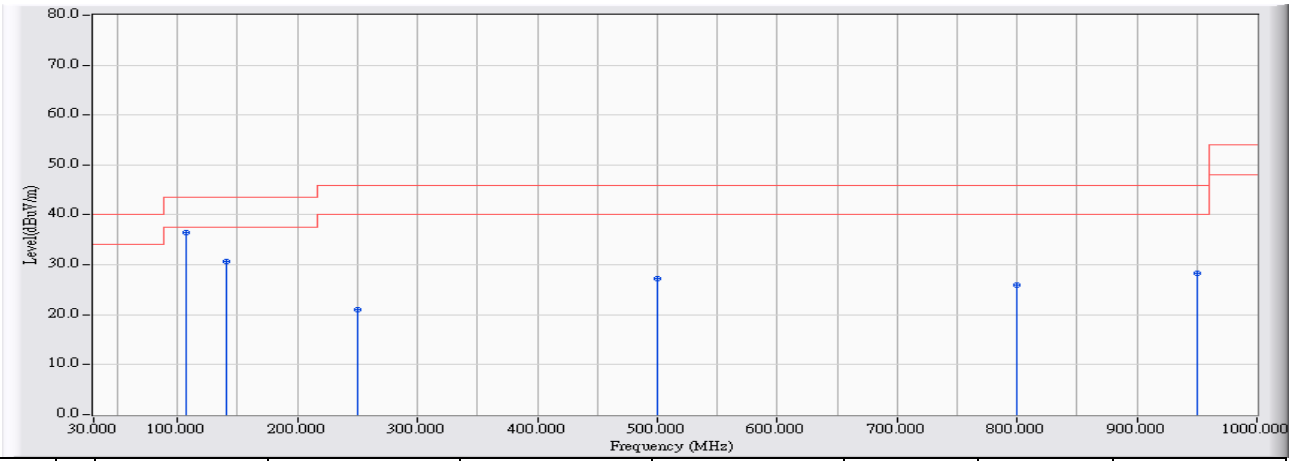


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	38.730	-13.098	46.883	33.785	-6.215	40.000	QUASIPEAK
2		143.490	-14.115	45.877	31.762	-11.738	43.500	QUASIPEAK
3		206.055	-15.407	36.148	20.741	-22.759	43.500	QUASIPEAK
4		500.450	-7.839	34.546	26.707	-19.293	46.000	QUASIPEAK
5		800.180	-6.406	32.143	25.737	-20.263	46.000	QUASIPEAK
6		950.530	-5.839	35.853	30.013	-15.987	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2015/01/26 - 20:23**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(20MHz)_5220MHz**

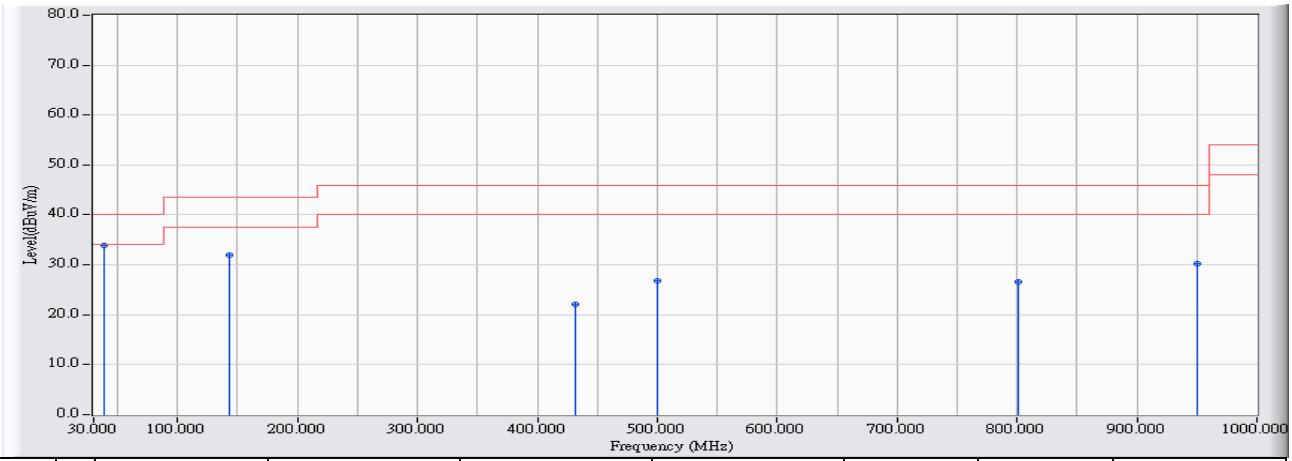


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	106.630	-13.949	50.413	36.463	-7.037	43.500	QUASIPEAK
2		141.065	-13.997	44.661	30.664	-12.836	43.500	QUASIPEAK
3		250.190	-12.235	33.331	21.096	-24.904	46.000	QUASIPEAK
4		500.450	-7.839	35.118	27.279	-18.721	46.000	QUASIPEAK
5		800.180	-6.406	32.325	25.919	-20.081	46.000	QUASIPEAK
6		950.530	-5.839	34.092	28.252	-17.748	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2015/01/26 - 20:28**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(20MHz)_5220MHz**

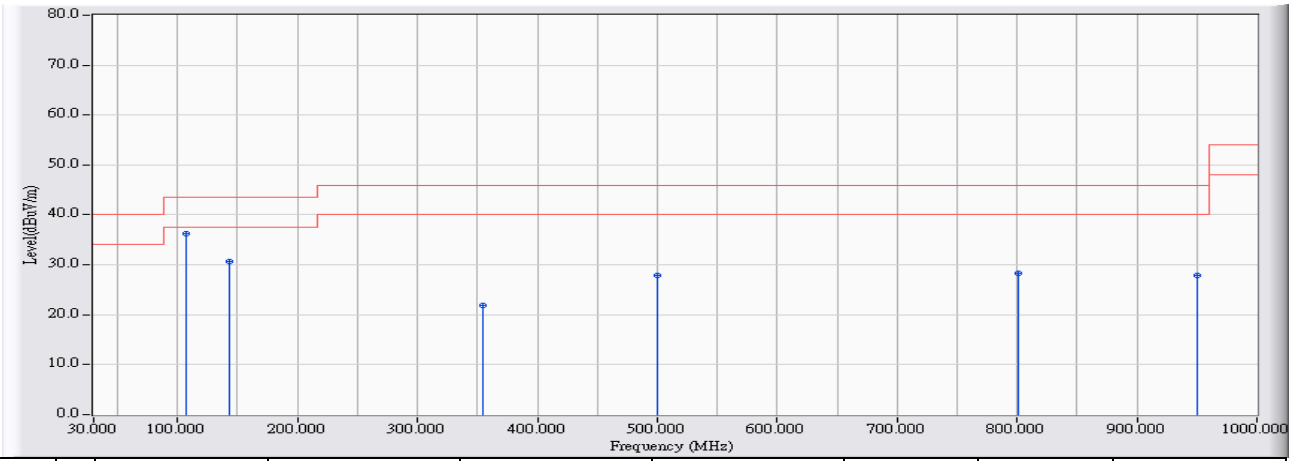


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	38.730	-13.098	46.930	33.832	-6.168	40.000	QUASIPEAK
2		143.490	-14.115	46.071	31.956	-11.544	43.500	QUASIPEAK
3		431.580	-8.969	31.150	22.181	-23.819	46.000	QUASIPEAK
4		500.450	-7.839	34.730	26.891	-19.109	46.000	QUASIPEAK
5		800.665	-6.406	33.033	26.627	-19.373	46.000	QUASIPEAK
6		950.530	-5.839	36.015	30.175	-15.825	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2015/01/26 - 20:34**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(40MHz)_5230MHz**

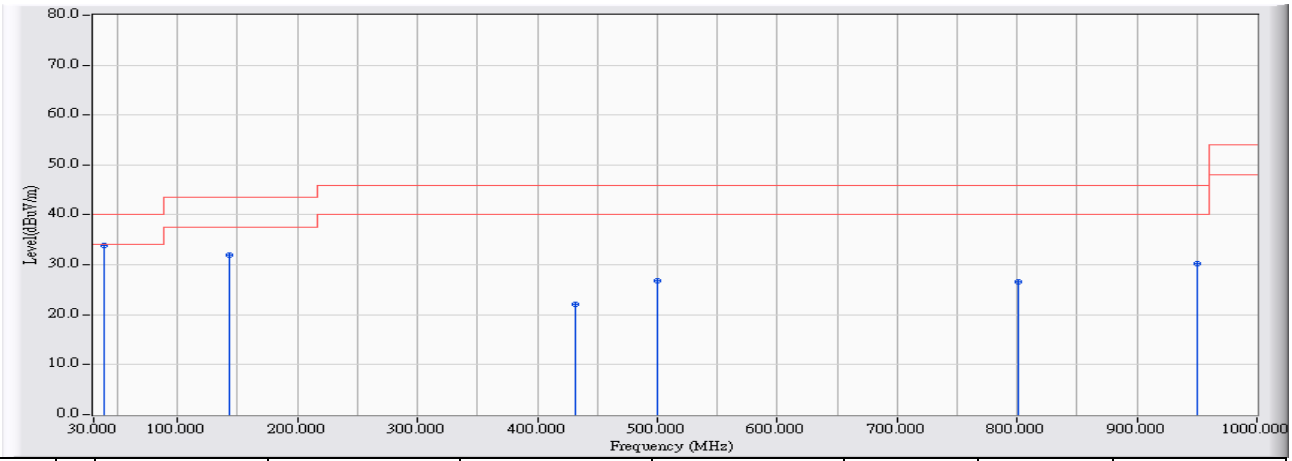


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	106.630	-13.949	50.101	36.151	-7.349	43.500	QUASIPEAK
2		143.490	-14.115	44.887	30.772	-12.728	43.500	QUASIPEAK
3		354.950	-10.387	32.191	21.804	-24.196	46.000	QUASIPEAK
4		500.450	-7.839	35.792	27.953	-18.047	46.000	QUASIPEAK
5		800.665	-6.406	34.777	28.371	-17.629	46.000	QUASIPEAK
6		950.530	-5.839	33.708	27.868	-18.132	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2015/01/26 - 20:41**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(20MHz)_5220MHz**

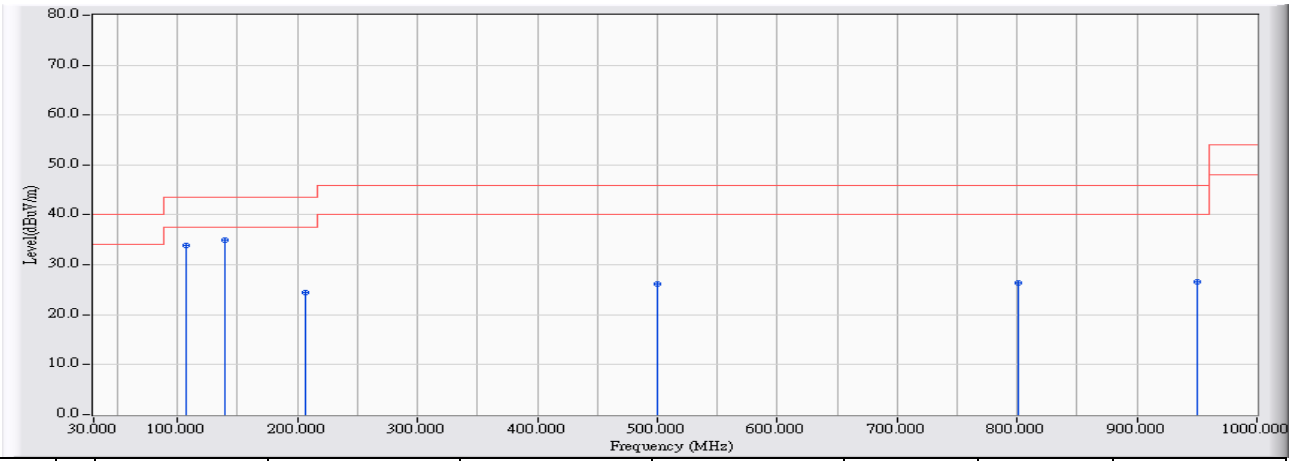


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	38.730	-13.098	46.930	33.832	-6.168	40.000	QUASIPEAK
2		143.490	-14.115	46.071	31.956	-11.544	43.500	QUASIPEAK
3		431.580	-8.969	31.150	22.181	-23.819	46.000	QUASIPEAK
4		500.450	-7.839	34.730	26.891	-19.109	46.000	QUASIPEAK
5		800.665	-6.406	33.033	26.627	-19.373	46.000	QUASIPEAK
6		950.530	-5.839	36.015	30.175	-15.825	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2015/01/26 - 20:46**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 2: Transmit_ MU30-5120250-A1 802.11a_5220MHz**

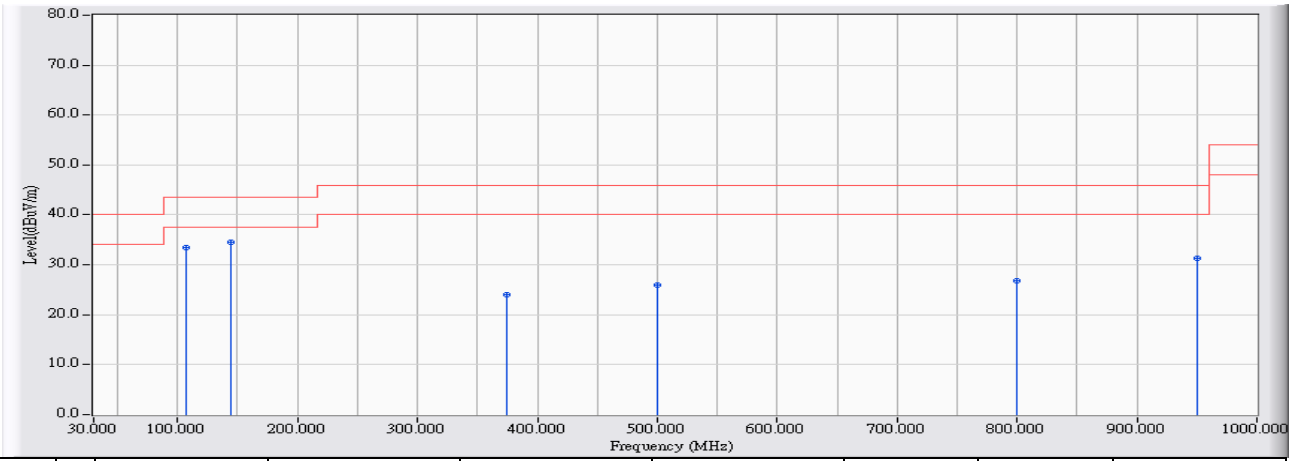


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		106.630	-13.949	47.912	33.962	-9.538	43.500	QUASIPEAK
2	*	139.125	-13.917	48.789	34.873	-8.627	43.500	QUASIPEAK
3		206.540	-15.372	39.853	24.481	-19.019	43.500	QUASIPEAK
4		500.450	-7.839	33.915	26.076	-19.924	46.000	QUASIPEAK
5		800.665	-6.406	32.749	26.343	-19.657	46.000	QUASIPEAK
6		950.530	-5.839	32.334	26.494	-19.506	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2015/01/26 - 20:50**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 2: Transmit_ MU30-5120250-A1 802.11a_5220MHz**

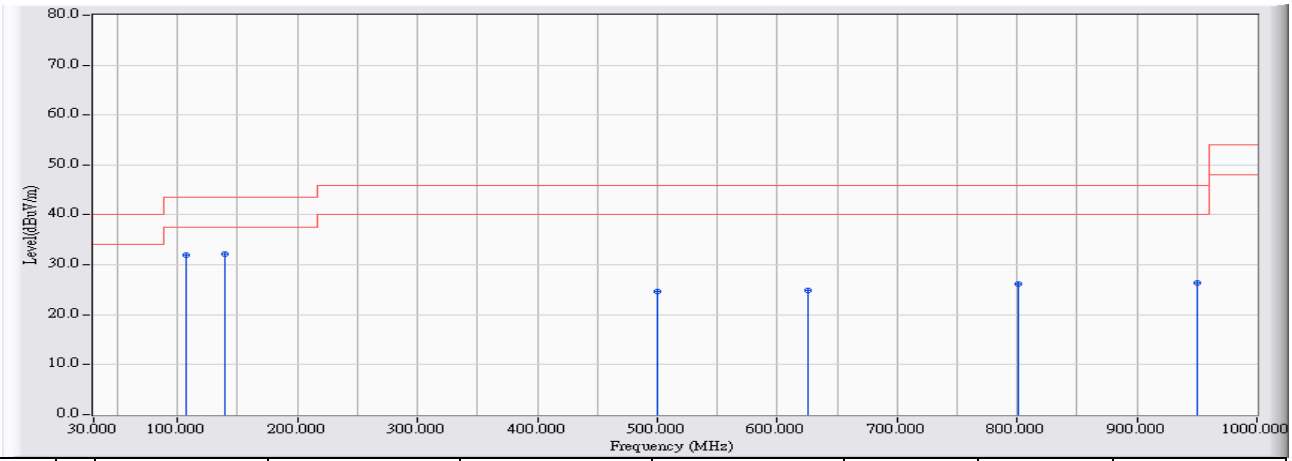


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		106.630	-13.949	47.404	33.454	-10.046	43.500	QUASIPEAK
2	*	143.975	-14.139	48.750	34.611	-8.889	43.500	QUASIPEAK
3		374.835	-9.991	33.936	23.945	-22.055	46.000	QUASIPEAK
4		500.450	-7.839	33.894	26.055	-19.945	46.000	QUASIPEAK
5		800.180	-6.406	33.272	26.866	-19.134	46.000	QUASIPEAK
6		950.530	-5.839	37.223	31.383	-14.617	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2015/01/26 - 20:54**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 2: Transmit_ MU30-5120250-A1 802.11n(20MHz)_5220MHz**

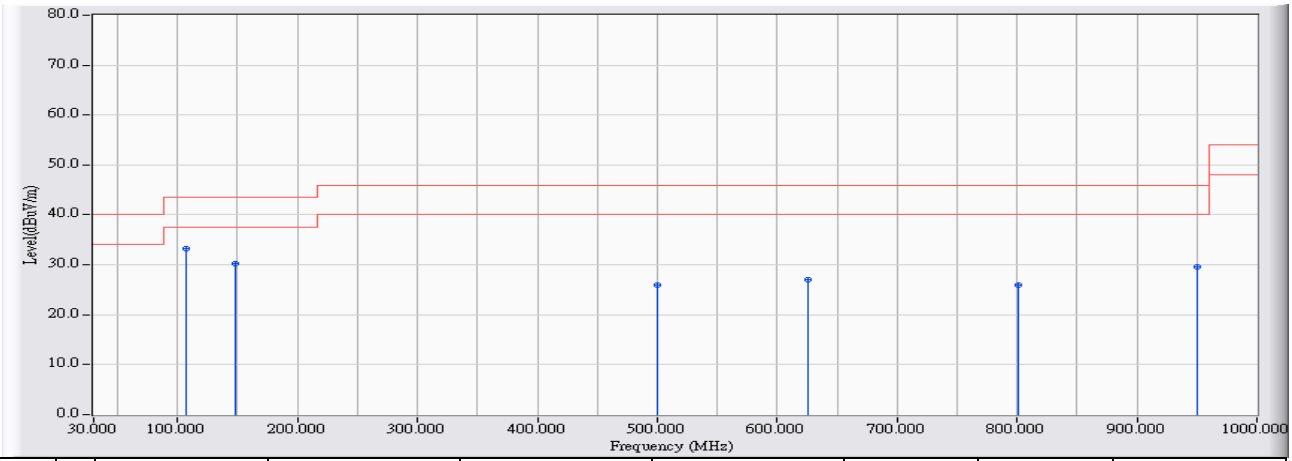


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		106.630	-13.949	45.811	31.861	-11.639	43.500	QUASIPEAK
2	*	139.125	-13.917	46.152	32.236	-11.264	43.500	QUASIPEAK
3		500.450	-7.839	32.462	24.623	-21.377	46.000	QUASIPEAK
4		625.095	-7.481	32.355	24.875	-21.125	46.000	QUASIPEAK
5		800.665	-6.406	32.471	26.065	-19.935	46.000	QUASIPEAK
6		950.530	-5.839	32.233	26.393	-19.607	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2015/01/26 - 20:58**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 2: Transmit_ MU30-5120250-A1 802.11n(20MHz)_5220MHz**

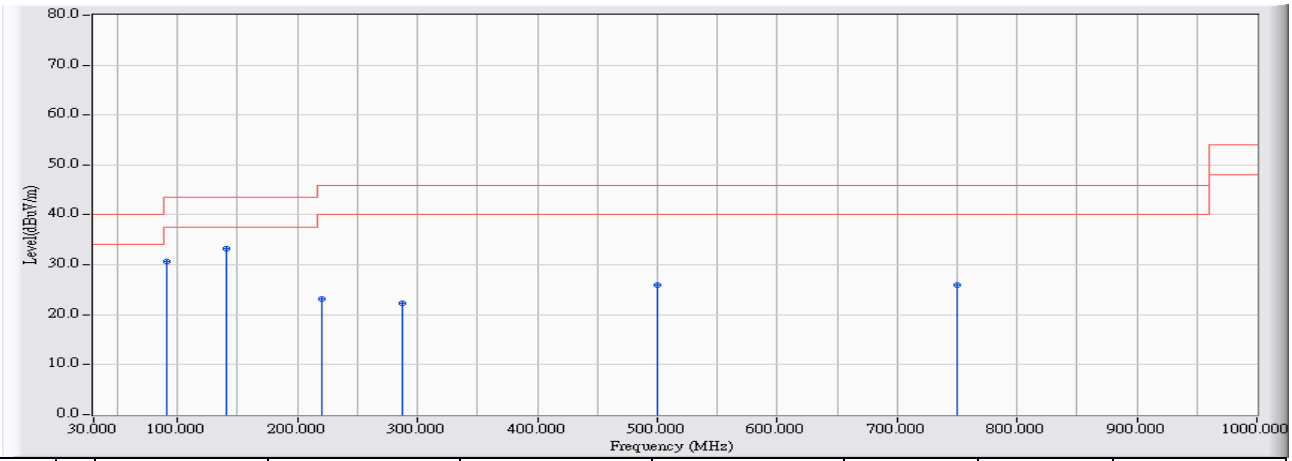


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	106.630	-13.949	47.148	33.198	-10.302	43.500	QUASIPEAK
2		148.340	-14.352	44.597	30.246	-13.254	43.500	QUASIPEAK
3		500.450	-7.839	33.737	25.898	-20.102	46.000	QUASIPEAK
4		625.095	-7.481	34.437	26.957	-19.043	46.000	QUASIPEAK
5		800.665	-6.406	32.396	25.990	-20.010	46.000	QUASIPEAK
6		950.530	-5.839	35.364	29.524	-16.476	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2015/01/26 - 21:04**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 2: Transmit_ MU30-5120250-A1 802.11n(40MHz)_5230MHz**

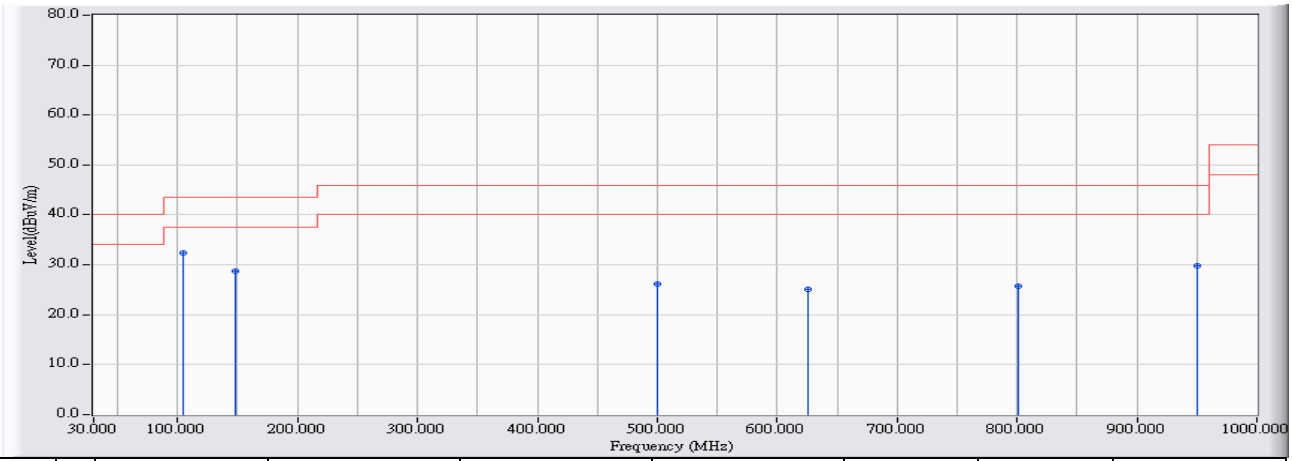


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		90.625	-16.147	46.771	30.624	-12.876	43.500	QUASIPEAK
2	*	141.065	-13.997	47.229	33.232	-10.268	43.500	QUASIPEAK
3		220.605	-14.358	37.589	23.231	-22.769	46.000	QUASIPEAK
4		287.535	-11.670	33.949	22.279	-23.721	46.000	QUASIPEAK
5		500.450	-7.839	33.854	26.015	-19.985	46.000	QUASIPEAK
6		750.225	-6.821	32.732	25.911	-20.089	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2015/01/26 - 21:08**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 2: Transmit_ MU30-5120250-A1 802.11n(40MHz)_5230MHz**



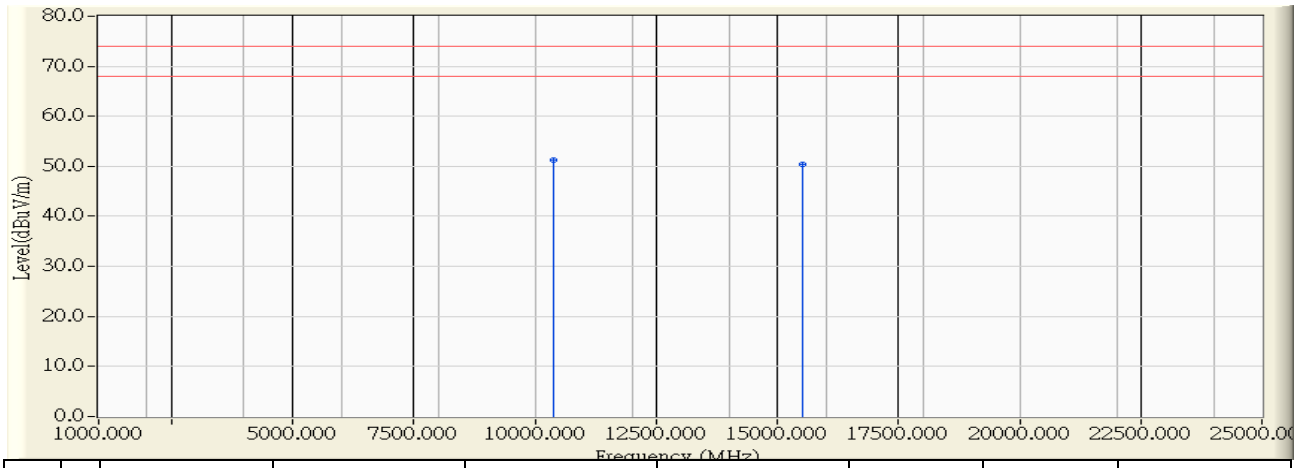
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	104.690	-14.047	46.445	32.398	-11.102	43.500	QUASIPEAK
2		148.340	-14.352	43.176	28.825	-14.675	43.500	QUASIPEAK
3		500.450	-7.839	33.970	26.131	-19.869	46.000	QUASIPEAK
4		625.095	-7.481	32.477	24.997	-21.003	46.000	QUASIPEAK
5		800.665	-6.406	32.142	25.736	-20.264	46.000	QUASIPEAK
6		950.530	-5.839	35.625	29.785	-16.215	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 : 2014/11/20 - 13:14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11a_5180MHz**

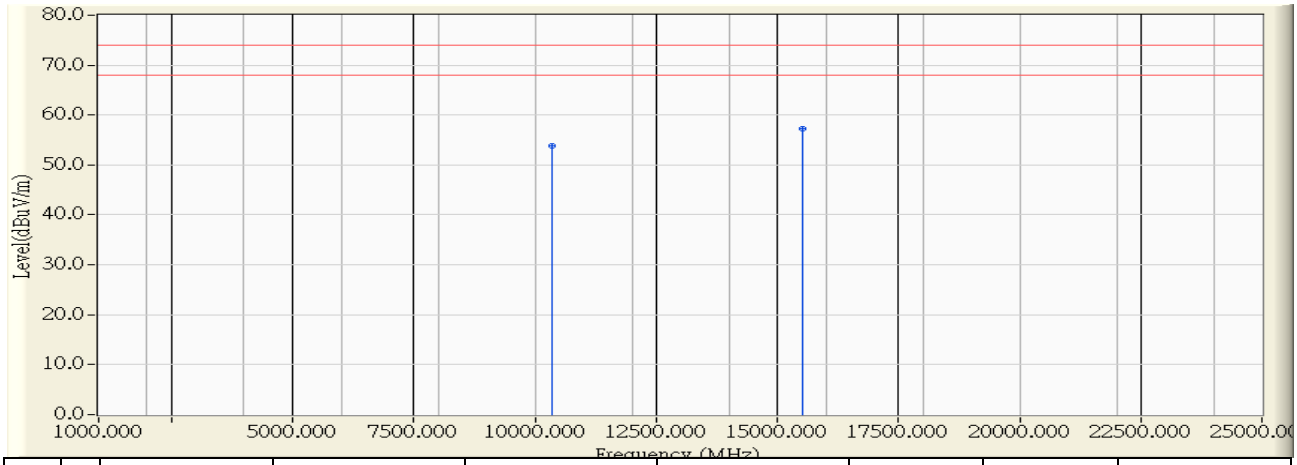


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10377.580	10.278	40.990	51.269	-22.731	74.000	PEAK
2		15529.260	11.083	39.270	50.353	-23.647	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/20 - 13:18**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11a_5180MHz**

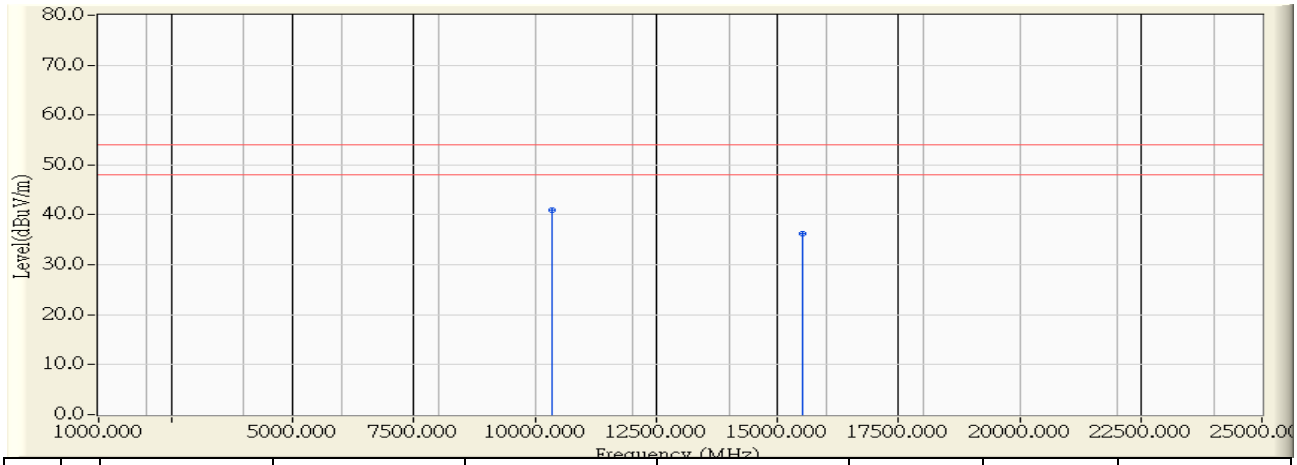


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		10357.210	10.340	43.540	53.879	-20.121	74.000	PEAK
2	*	15533.100	11.079	46.160	57.239	-16.761	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/20 - 13:18**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11a_5180MHz**

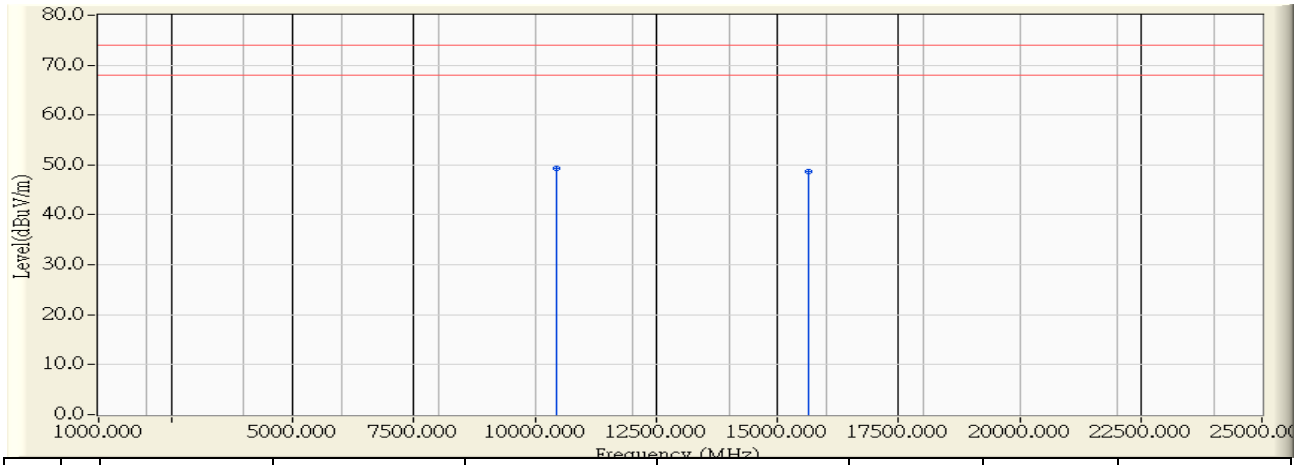


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10356.970	10.341	30.590	40.930	-13.070	54.000	AVERAGE
2		15533.940	11.079	25.190	36.268	-17.732	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/11/20 - 13:26**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11a_5220MHz**

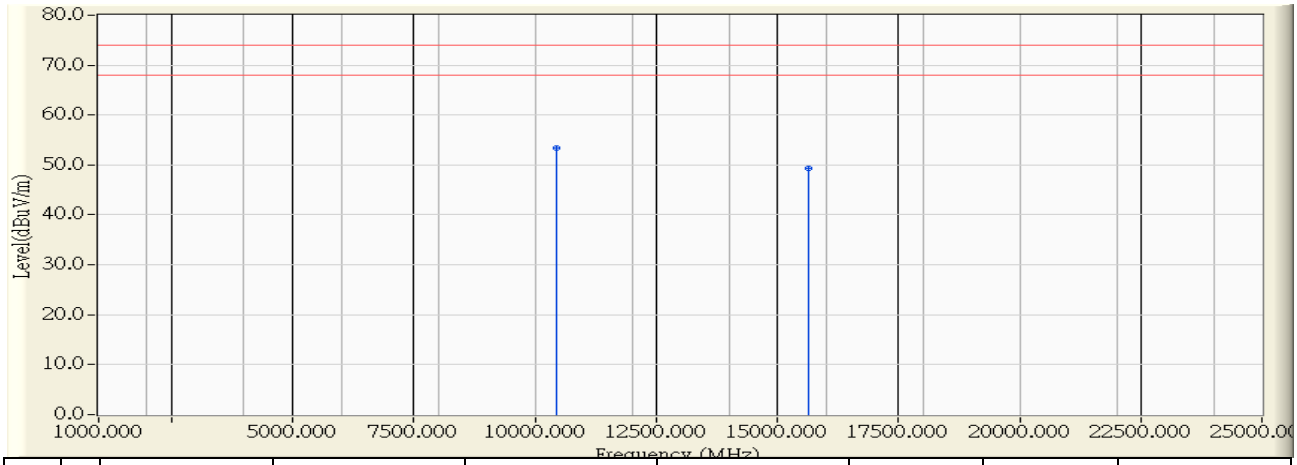


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10446.090	10.075	39.170	49.245	-24.755	74.000	PEAK
2		15659.070	10.939	37.700	48.638	-25.362	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/20 - 13:29**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11a_5220MHz**

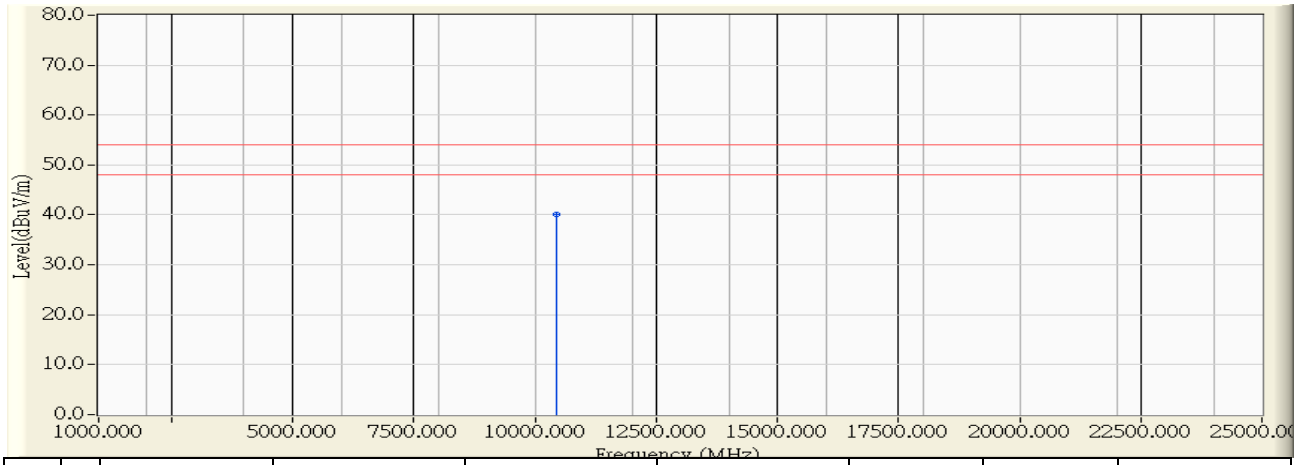


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10440.150	10.092	43.360	53.452	-20.548	74.000	PEAK
2		15656.850	10.941	38.420	49.361	-24.639	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/20 - 13:29**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11a_5220MHz**

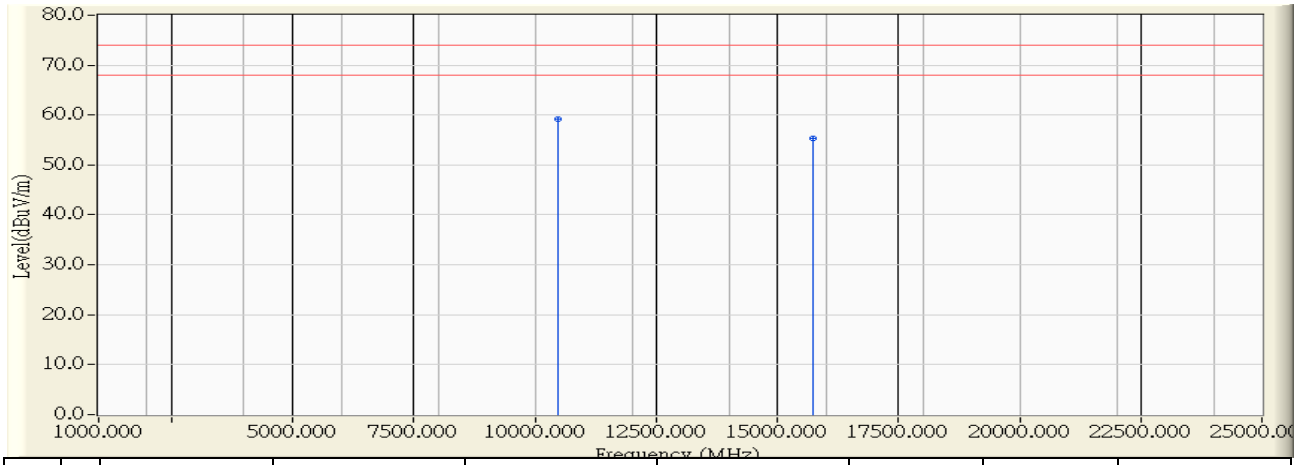


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10441.340	10.089	30.100	40.189	-13.811	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/11/20 - 13:37**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11a_5240MHz**

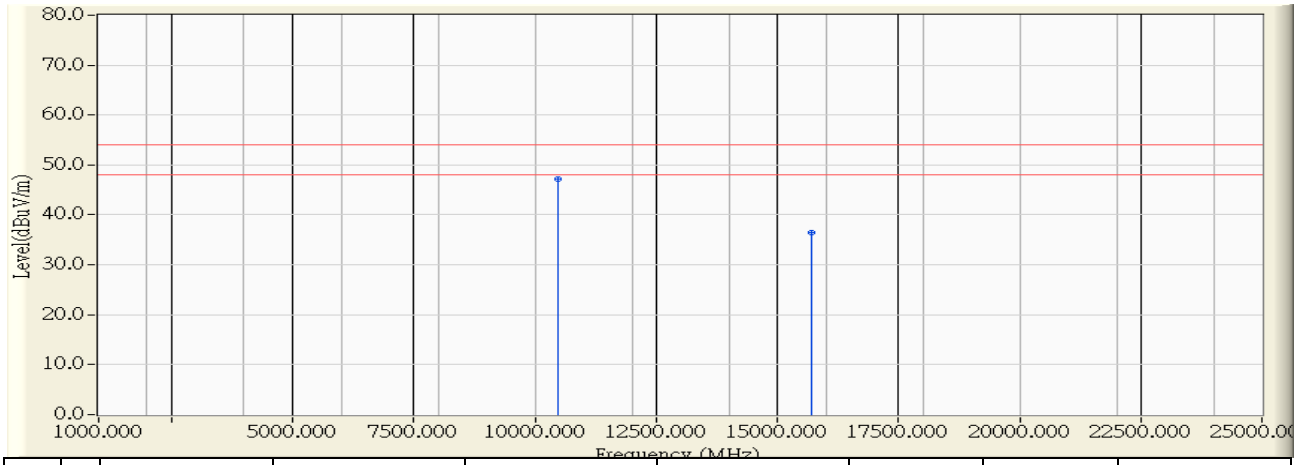


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10481.410	10.064	49.090	59.155	-14.845	74.000	PEAK
2		15733.590	10.855	44.530	55.385	-18.615	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/20 - 13:39**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11a_5240MHz**

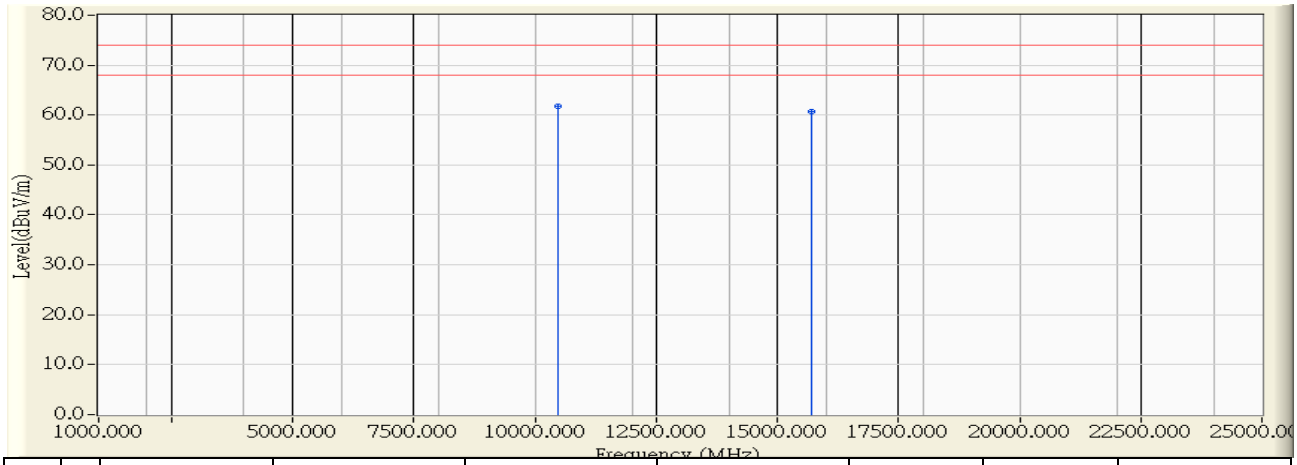


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10481.530	10.065	37.170	47.235	-6.765	54.000	AVERAGE
2		15715.260	10.876	25.670	36.546	-17.454	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/11/20 - 13:48**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11a_5240MHz**

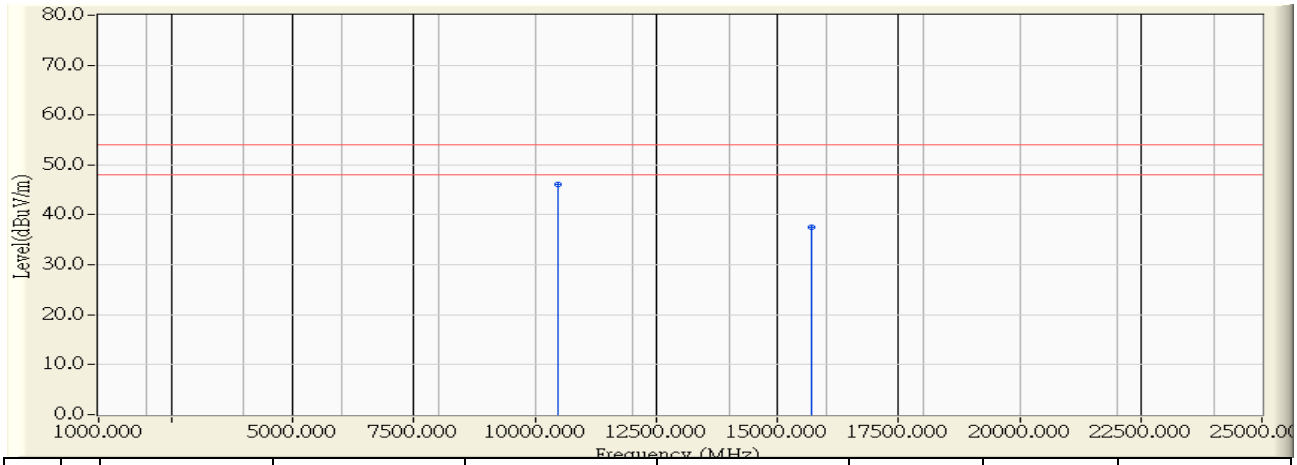


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10481.230	10.064	51.670	61.734	-12.266	74.000	PEAK
2		15712.590	10.879	49.760	60.639	-13.361	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/20 - 14:08**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11a_5240MHz**

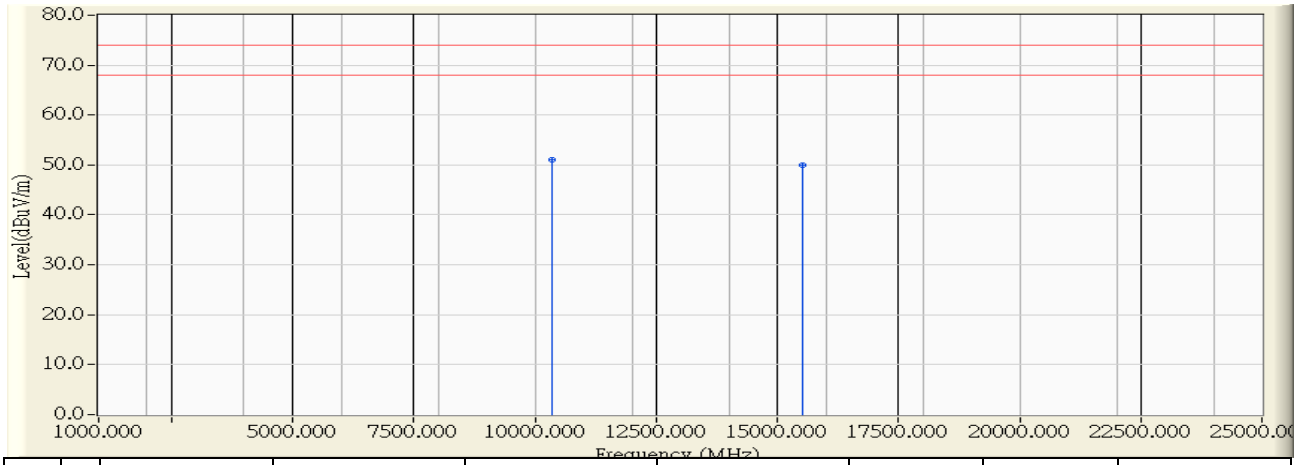


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10481.830	10.066	36.120	46.186	-7.814	54.000	AVERAGE
2		15712.650	10.879	26.660	37.539	-16.461	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/11/20 - 14:16**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(20MHz)_5180MHz**

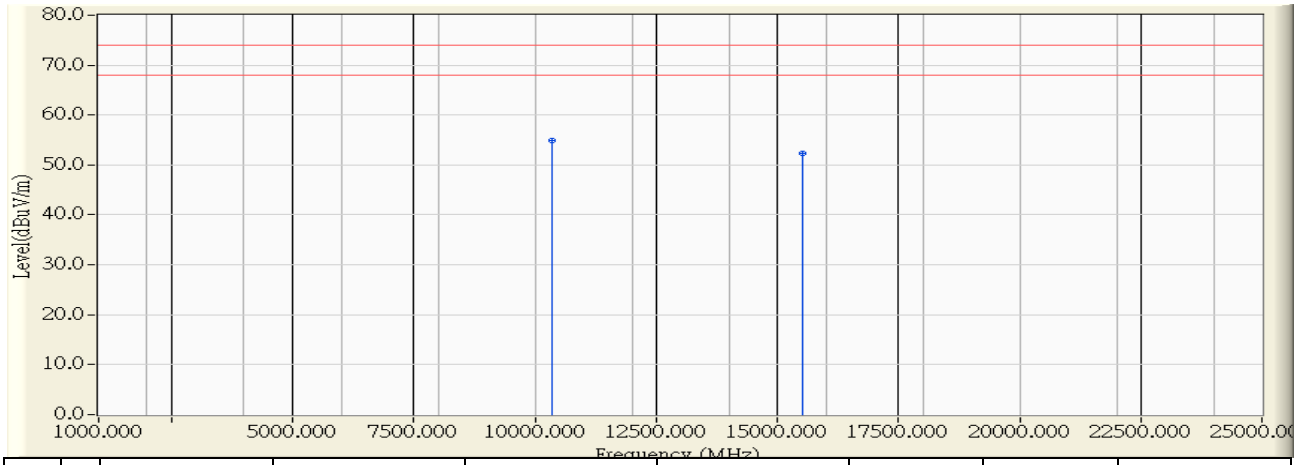


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10360.880	10.328	40.760	51.088	-22.912	74.000	PEAK
2		15538.150	11.074	38.830	49.903	-24.097	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/20 - 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 : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(20MHz)_5180MHz**

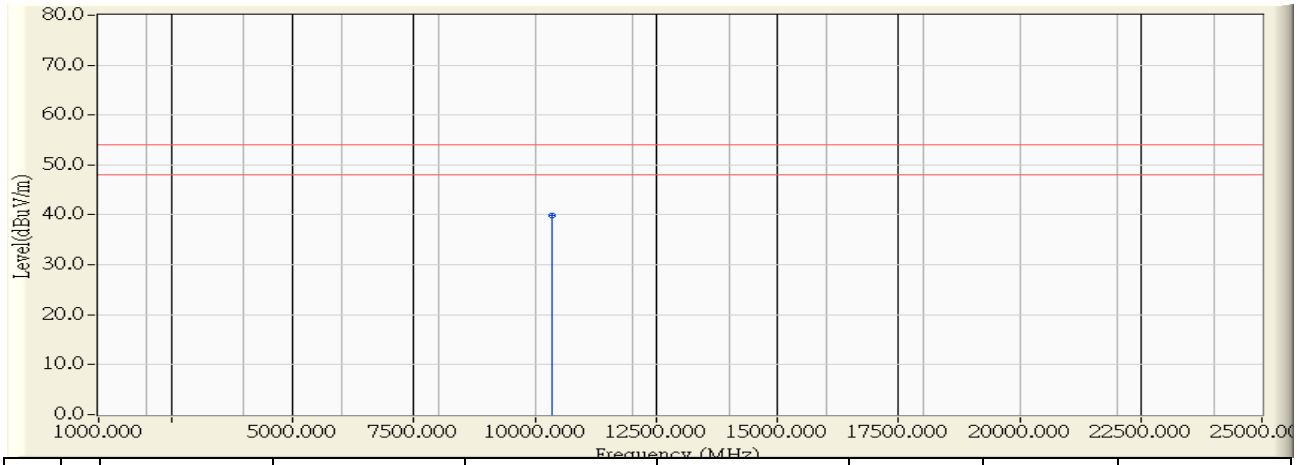


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10360.750	10.329	44.540	54.869	-19.131	74.000	PEAK
2		15531.510	11.081	41.280	52.361	-21.639	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/20 - 14:21**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(20MHz)_5180MHz**

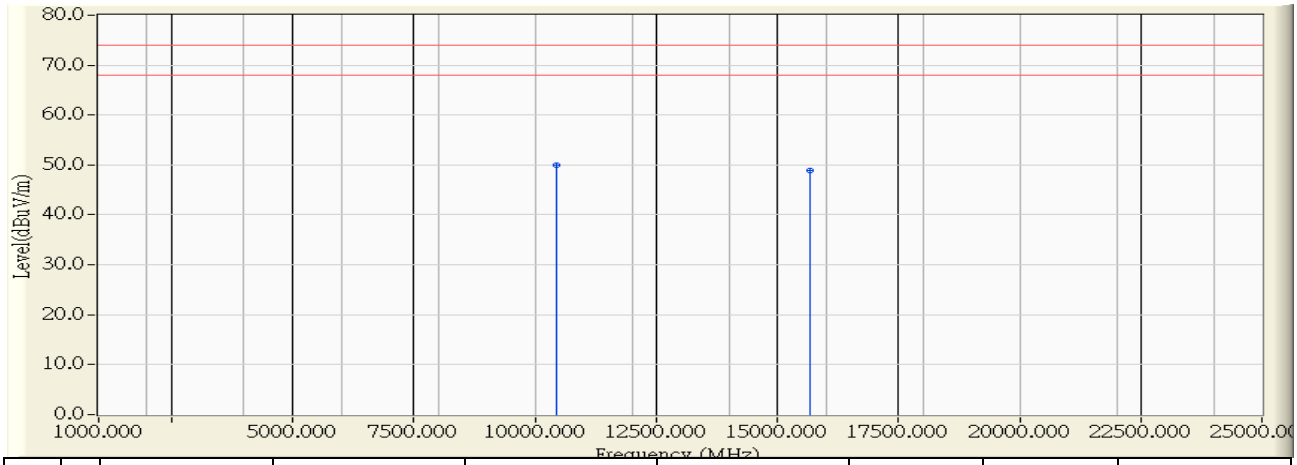


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10361.560	10.326	29.510	39.836	-14.164	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/11/20 - 14:25**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(20MHz)_5220MHz**

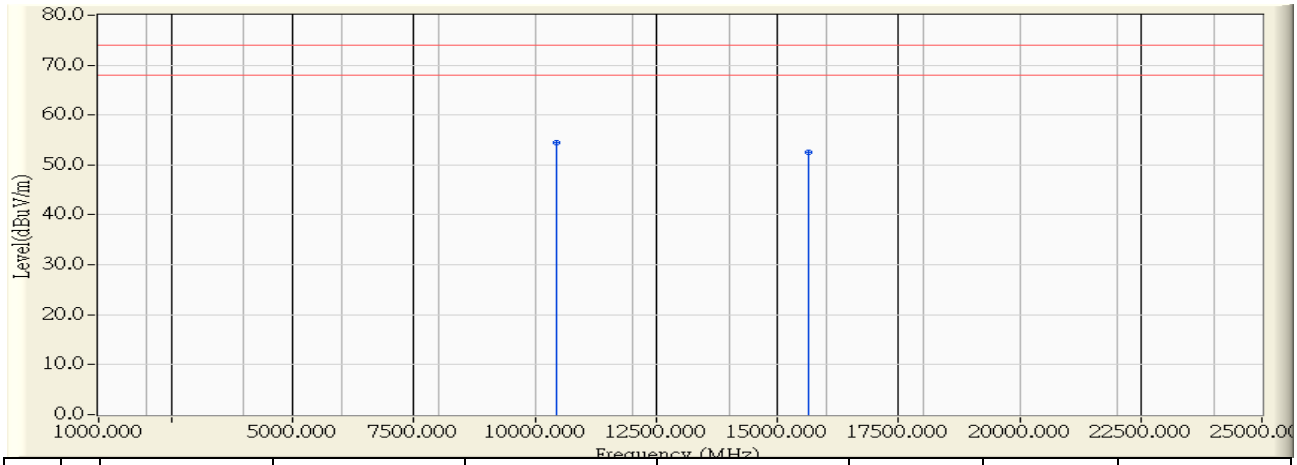


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10442.260	10.086	39.990	50.076	-23.924	74.000	PEAK
2		15679.380	10.916	37.940	48.856	-25.144	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/20 - 14:33**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(20MHz)_5220MHz**

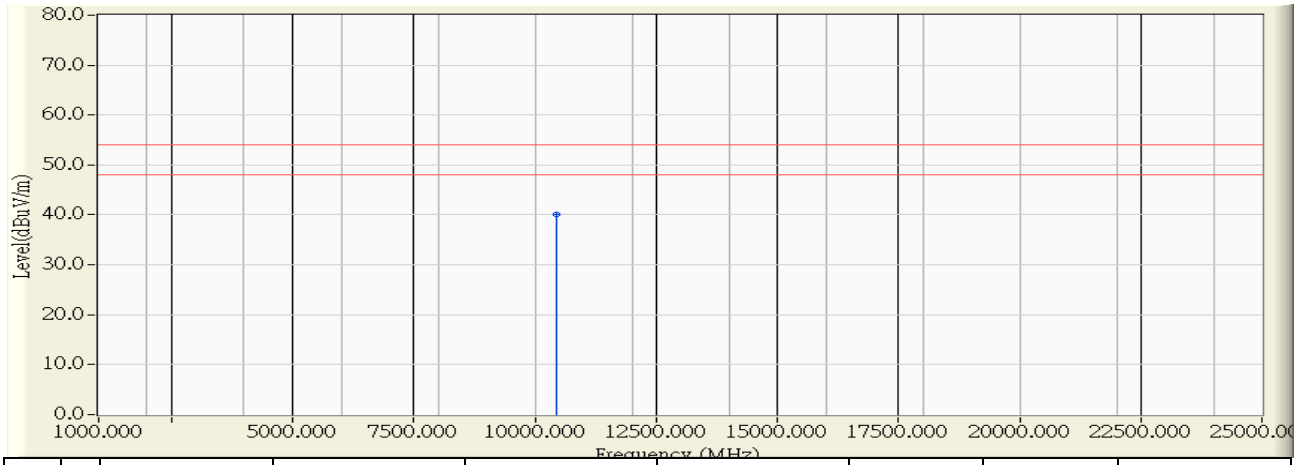


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10441.230	10.089	44.380	54.469	-19.531	74.000	PEAK
2		15656.910	10.941	41.500	52.441	-21.559	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/20 - 14:34**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(20MHz)_5220MHz**

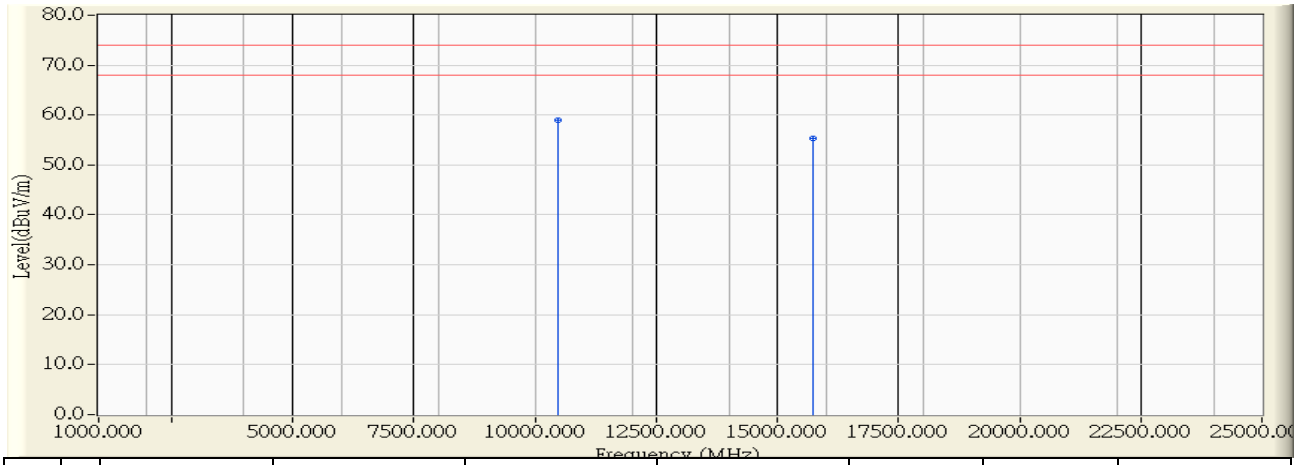


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10441.200	10.089	29.930	40.019	-13.981	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/11/20 - 14:43**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(20MHz)_5240MHz**

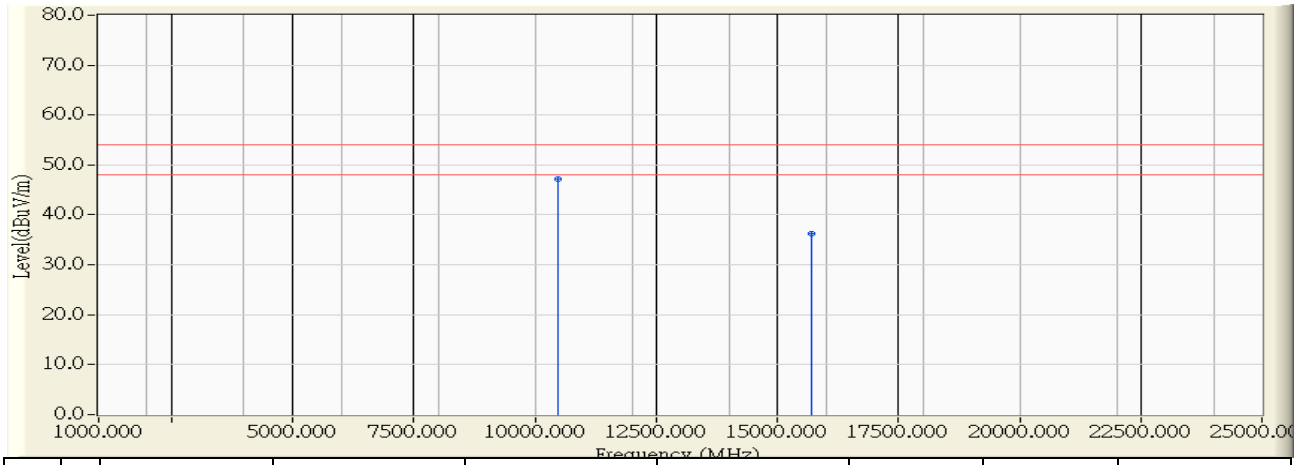


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10480.920	10.063	48.970	59.033	-14.967	74.000	PEAK
2		15731.000	10.858	44.480	55.338	-18.662	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/20 - 14:44**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(20MHz)_5240MHz**

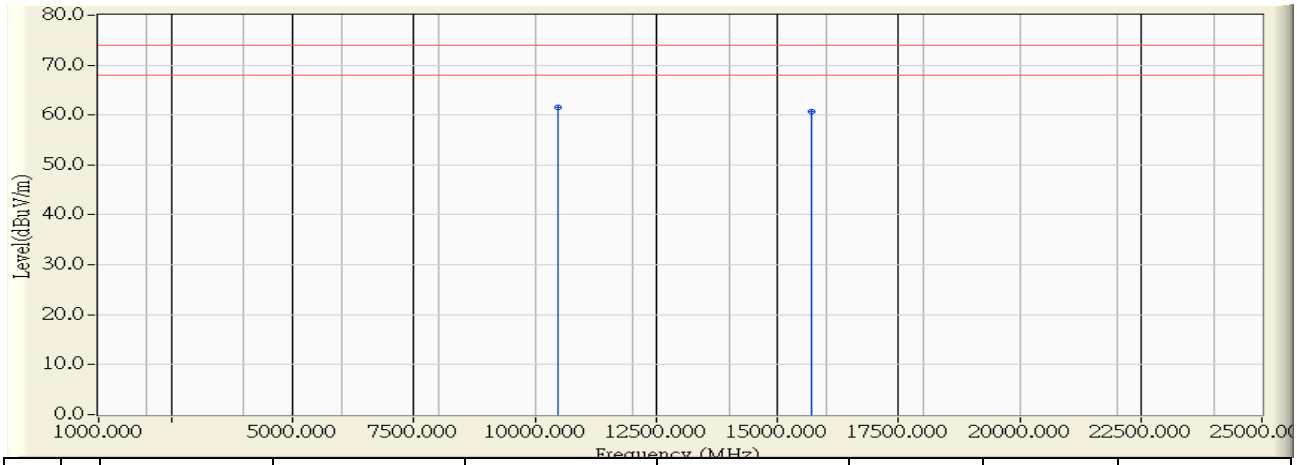


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10480.930	10.063	37.070	47.133	-6.867	54.000	AVERAGE
2		15722.000	10.868	25.480	36.348	-17.652	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/11/20 - 14:55**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(20MHz)_5240MHz**

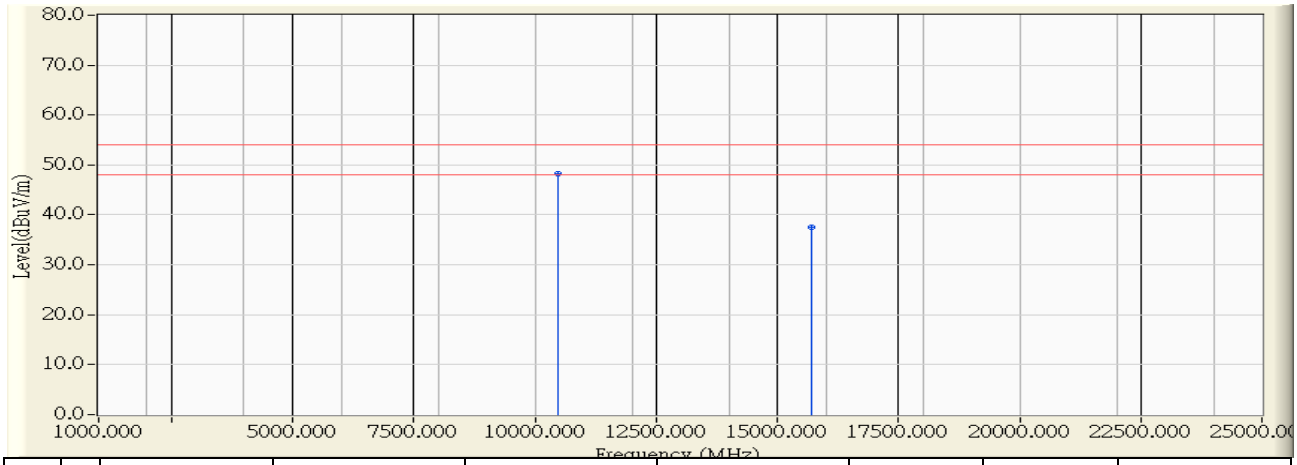


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10480.560	10.062	51.480	61.542	-12.458	74.000	PEAK
2		15722.000	10.868	49.770	60.638	-13.362	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/20 - 14:56**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(20MHz)_5240MHz**

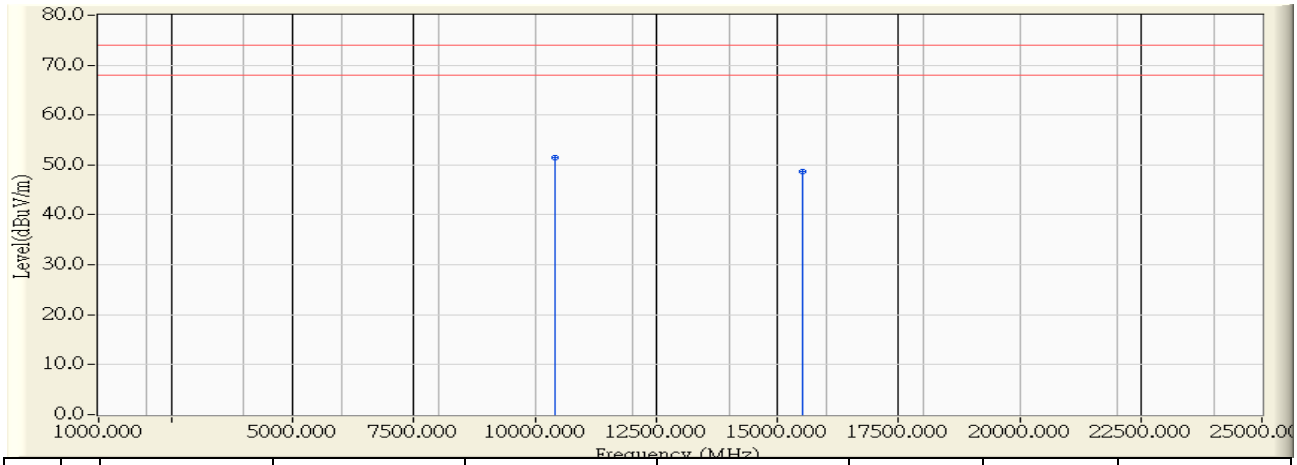


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10481.730	10.066	38.190	48.256	-5.744	54.000	AVERAGE
2		15712.160	10.879	26.560	37.439	-16.561	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/11/20 - 15:09**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(40MHz)_5190MHz**

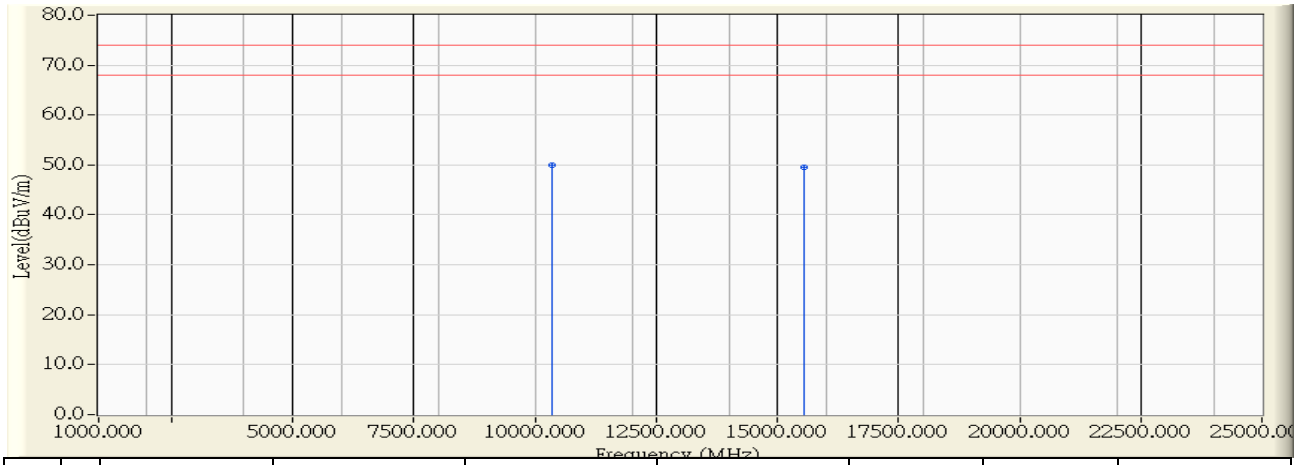


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10404.400	10.199	41.240	51.439	-22.561	74.000	PEAK
2		15537.800	11.074	37.680	48.754	-25.246	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/20 - 15:13**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(40MHz)_5190MHz**

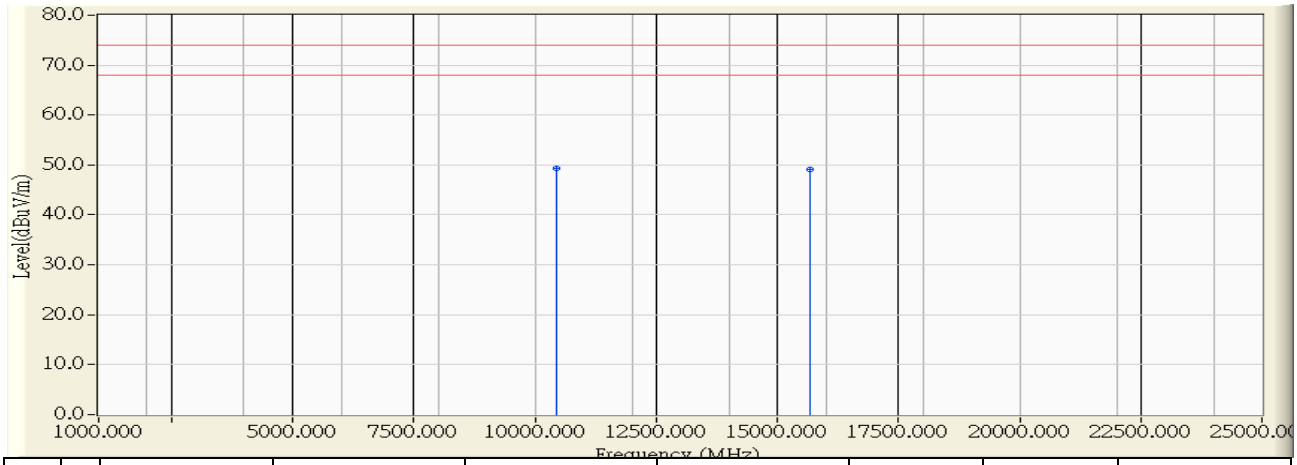


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10364.080	10.319	39.580	49.899	-24.101	74.000	PEAK
2		15550.360	11.060	38.490	49.550	-24.450	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/20 - 15:19**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(40MHz)_5230MHz**

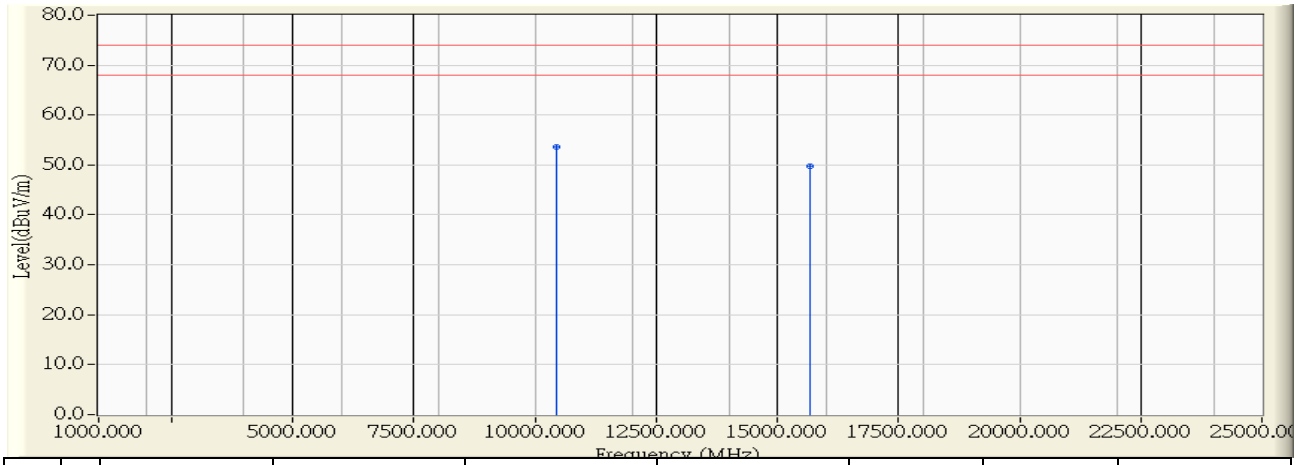


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10454.400	10.052	39.270	49.322	-24.678	74.000	PEAK
2		15687.120	10.907	38.150	49.057	-24.943	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/20 - 15:22**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(40MHz)_5230MHz**

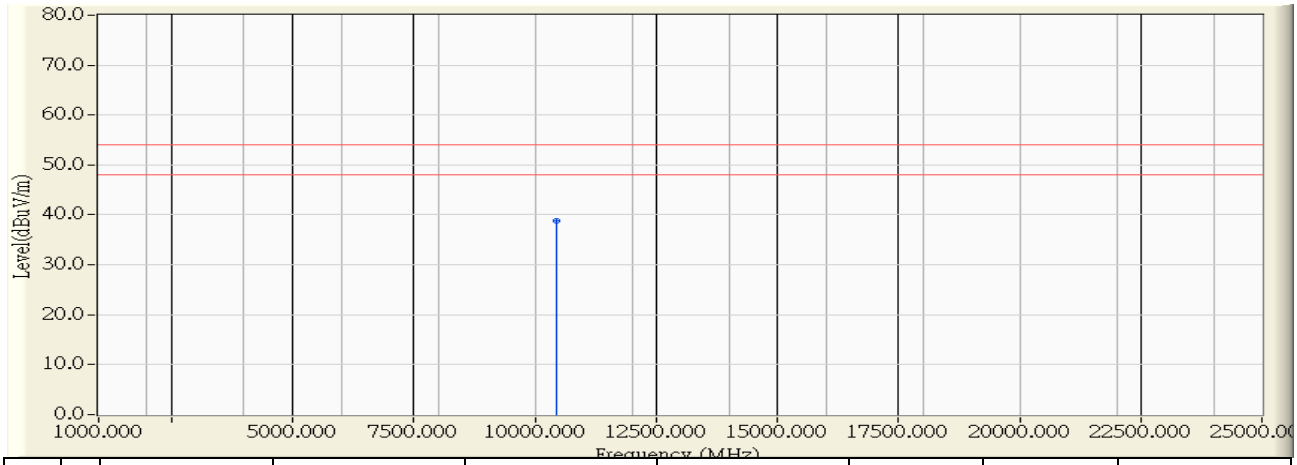


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10461.320	10.038	43.600	53.638	-20.362	74.000	PEAK
2		15683.440	10.911	38.900	49.811	-24.189	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/20 - 15:23**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(40MHz)_5230MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10455.800	10.050	28.720	38.769	-15.231	54.000	AVERAGE

Note:

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

7. Band Edge

7.1. Test Equipment

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

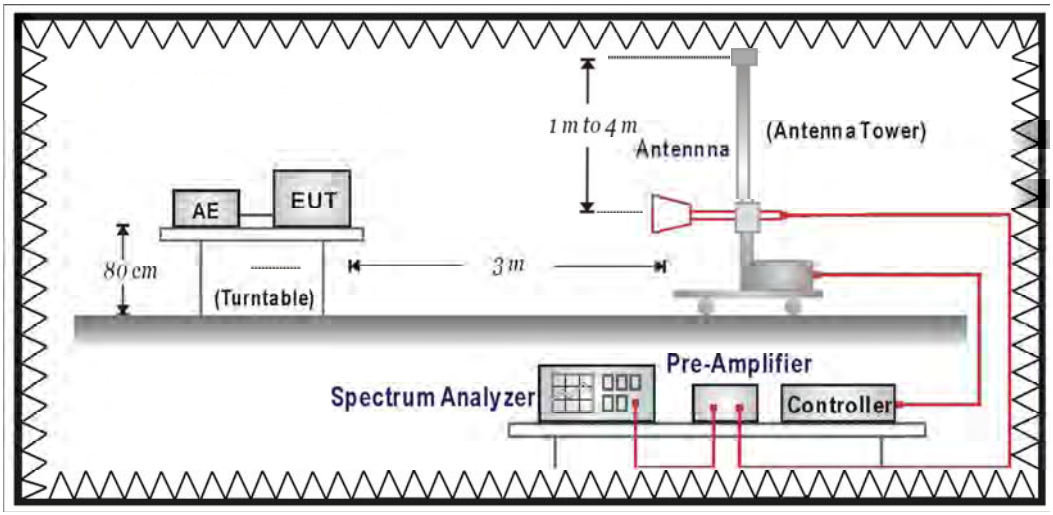
Band Edge / CB1

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	2016/01/07
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:

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

➢ Unwanted Emission out of the restricted bands Limits

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

Remark:

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

7.4. Test Procedure

The EUT and its simulators are placed on a turn table which is 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: 2009on radiated measurement.

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

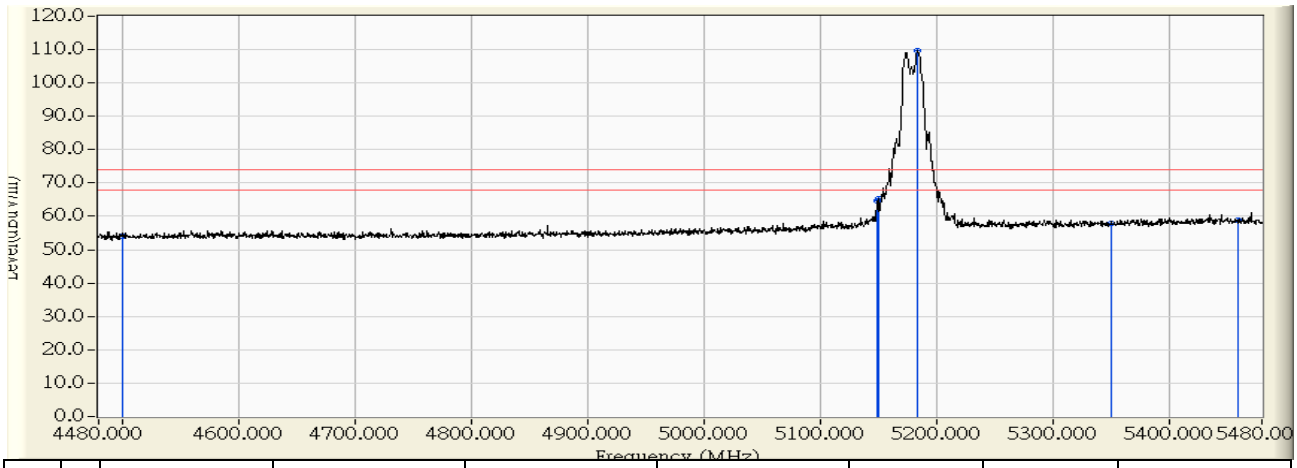
7.5. Uncertainty

The measurement uncertainty is defined as ± 3.65dB

7.6. Test Result

Radiated is defined as

Site : CB1	**Time : 2014/11/16 - 19:42**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11a_5180MHz**

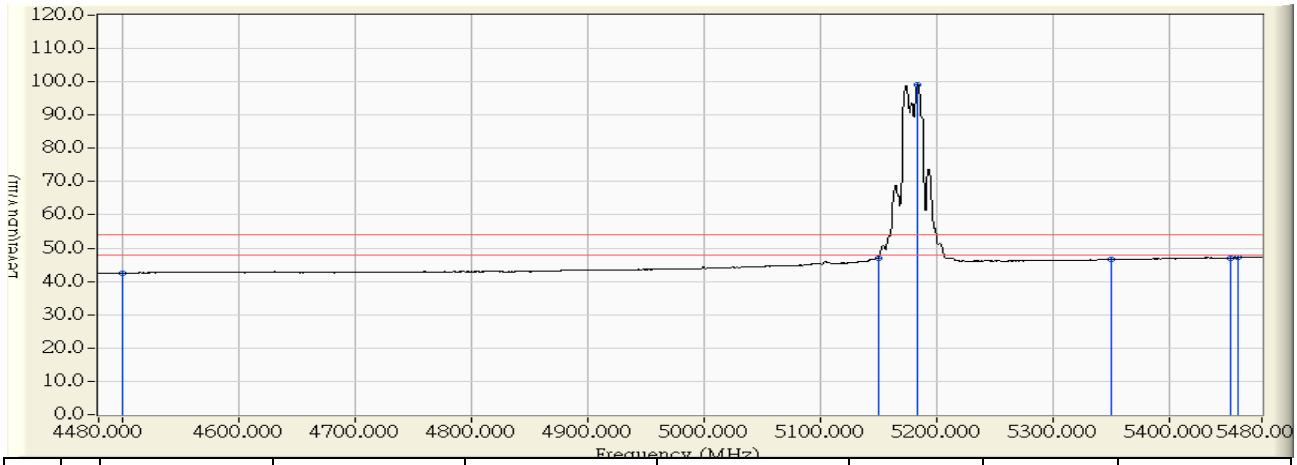


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	55.299	53.975	-20.025	74.000	PEAK
2		5149.000	1.231	63.533	64.764	-9.236	74.000	PEAK
3		5150.000	1.239	64.098	65.337	-8.663	74.000	PEAK
4	*	5184.000	1.502	108.162	109.665	35.665	74.000	PEAK
5		5350.000	2.790	55.079	57.869	-16.131	74.000	PEAK
6		5460.000	3.622	55.125	58.747	-15.253	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 : 2014/11/16 - 19:45**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11a_5180MHz**

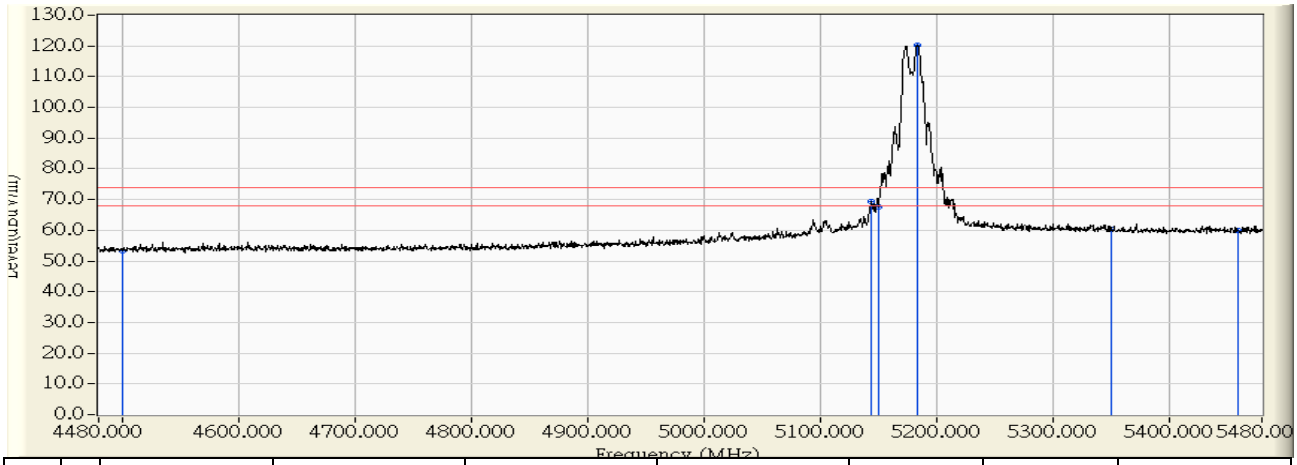


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	43.834	42.510	-11.490	54.000	AVERAGE
2		5150.000	1.239	45.705	46.944	-7.056	54.000	AVERAGE
3	*	5184.000	1.502	97.673	99.176	45.176	54.000	AVERAGE
4		5350.000	2.790	43.837	46.627	-7.373	54.000	AVERAGE
5		5452.500	3.585	43.506	47.091	-6.909	54.000	AVERAGE
6		5460.000	3.622	43.527	47.149	-6.851	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 : 2014/11/16 - 18:11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11a_5180MHz**

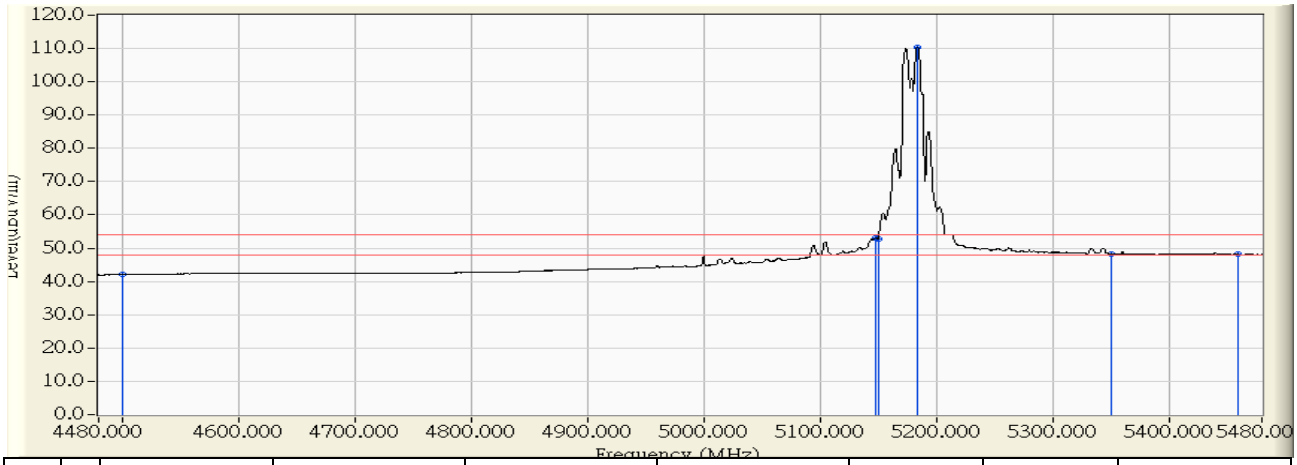


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	54.571	53.247	-20.753	74.000	PEAK
2		5144.000	1.192	68.093	69.285	-4.715	74.000	PEAK
3		5150.000	1.239	66.404	67.643	-6.357	74.000	PEAK
4	*	5183.500	1.498	118.638	120.137	46.137	74.000	PEAK
5		5350.000	2.790	57.507	60.297	-13.703	74.000	PEAK
6		5460.000	3.622	56.442	60.064	-13.936	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/16 - 18:09**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11a_5180MHz**

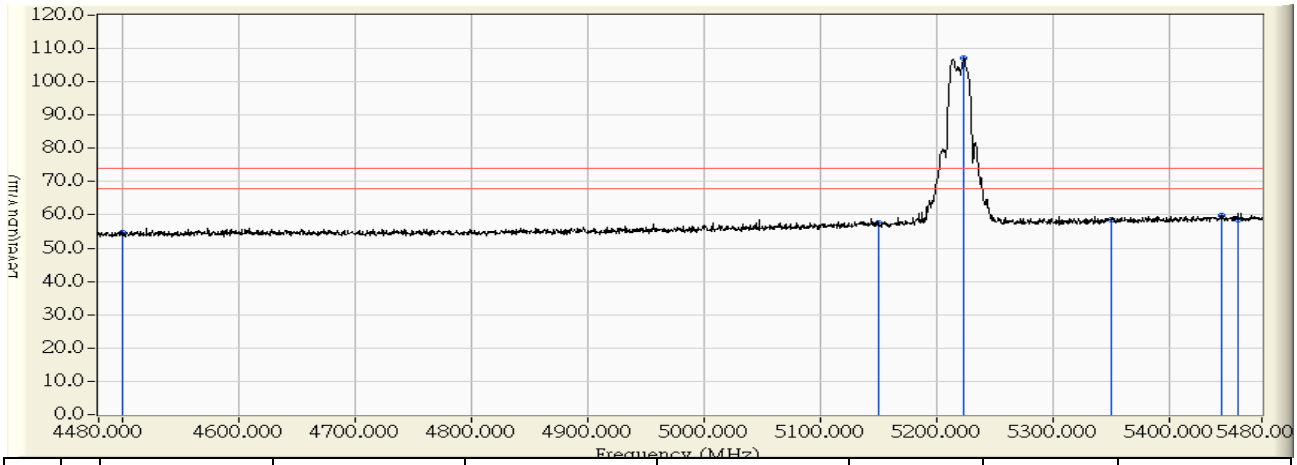


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	43.362	42.038	-11.962	54.000	AVERAGE
2		5148.000	1.224	51.867	53.090	-0.910	54.000	AVERAGE
3		5150.000	1.239	51.626	52.865	-1.135	54.000	AVERAGE
4	*	5184.000	1.502	108.781	110.284	56.284	54.000	AVERAGE
5		5350.000	2.790	45.425	48.215	-5.785	54.000	AVERAGE
6		5460.000	3.622	44.525	48.147	-5.853	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 : 2014/11/16 - 20:05**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11a_5220MHz**

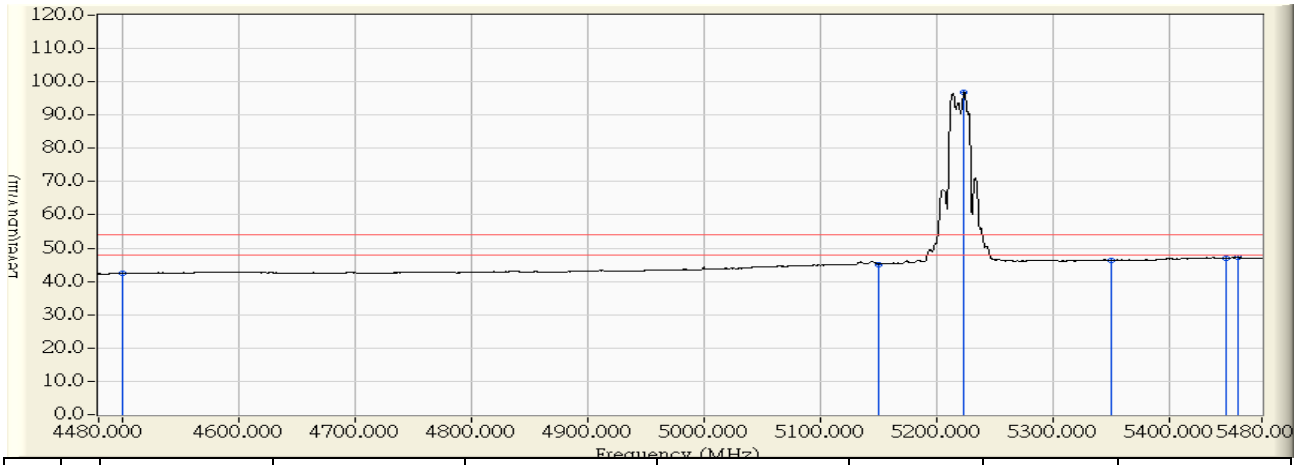


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	55.904	54.580	-19.420	74.000	PEAK
2		5150.000	1.239	56.197	57.436	-16.564	74.000	PEAK
3	*	5223.500	1.810	105.346	107.155	33.155	74.000	PEAK
4		5350.000	2.790	55.908	58.698	-15.302	74.000	PEAK
5		5446.000	3.534	56.352	59.886	-14.114	74.000	PEAK
6		5460.000	3.622	54.921	58.543	-15.457	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 : 2014/11/16 - 20:09**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11a_5220MHz**

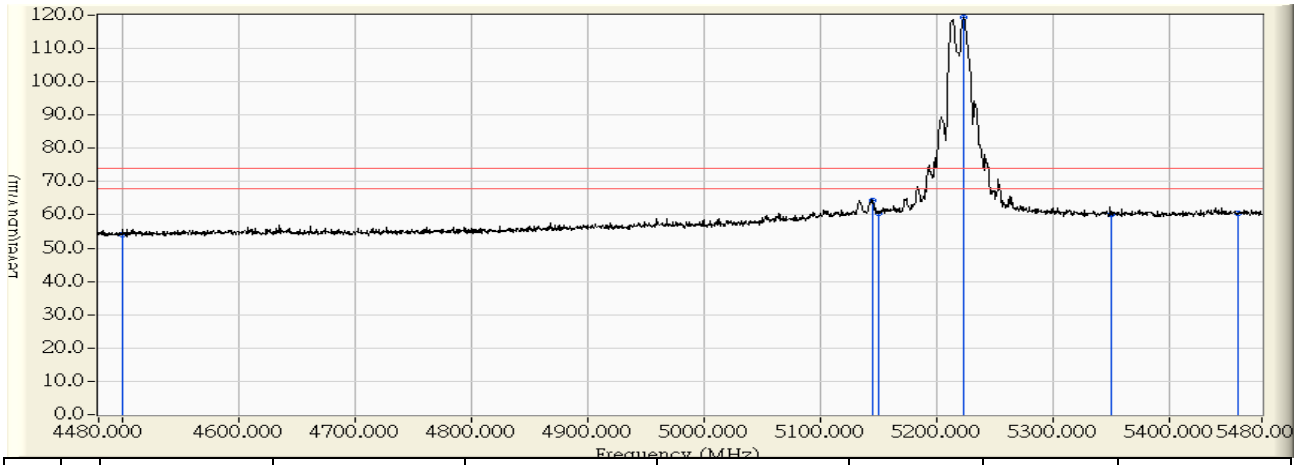


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	43.784	42.460	-11.540	54.000	AVERAGE
2		5150.000	1.239	43.924	45.163	-8.837	54.000	AVERAGE
3	*	5224.000	1.812	94.915	96.728	42.728	54.000	AVERAGE
4		5350.000	2.790	43.636	46.426	-7.574	54.000	AVERAGE
5		5449.000	3.557	43.523	47.081	-6.919	54.000	AVERAGE
6		5460.000	3.622	43.554	47.176	-6.824	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 : 2014/11/16 - 19:57**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11a_5220MHz**

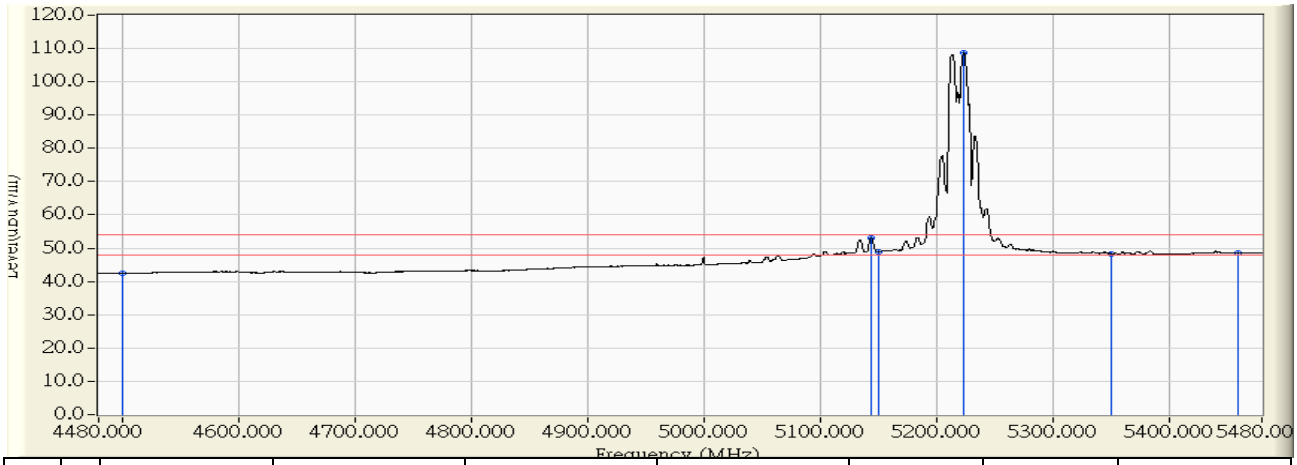


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	55.243	53.919	-20.081	74.000	PEAK
2		5145.000	1.200	63.226	64.426	-9.574	74.000	PEAK
3		5150.000	1.239	59.288	60.527	-13.473	74.000	PEAK
4	*	5224.000	1.812	117.386	119.199	45.199	74.000	PEAK
5		5350.000	2.790	57.488	60.278	-13.722	74.000	PEAK
6		5460.000	3.622	56.913	60.535	-13.465	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 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 : 2014/11/16 - 19:55**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11a_5220MHz**

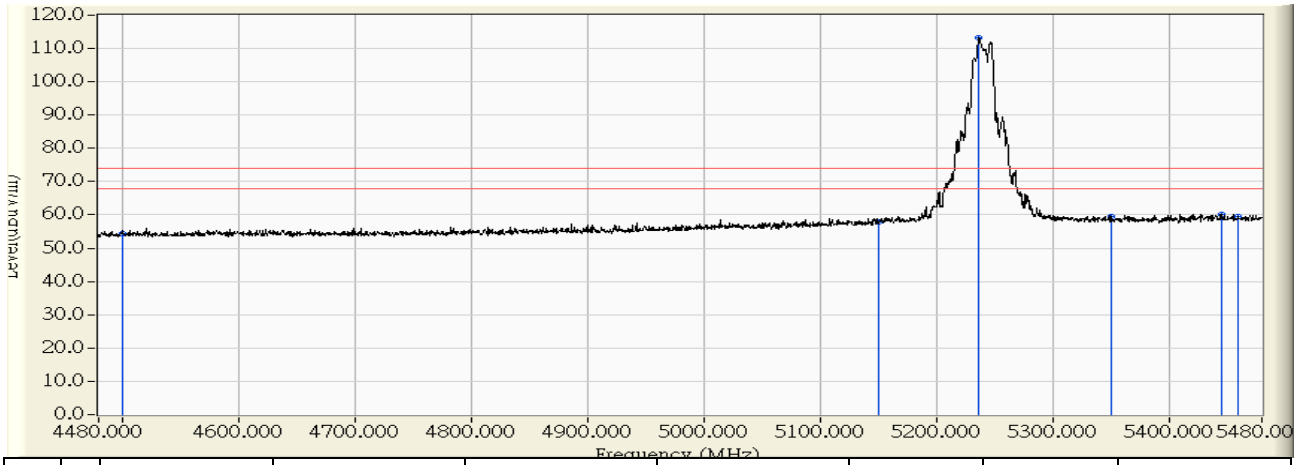


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	43.838	42.514	-11.486	54.000	AVERAGE
2		5144.500	1.196	51.872	53.068	-0.932	54.000	AVERAGE
3		5150.000	1.239	47.745	48.984	-5.016	54.000	AVERAGE
4	*	5223.500	1.810	106.827	108.636	54.636	54.000	AVERAGE
5		5350.000	2.790	45.581	48.371	-5.629	54.000	AVERAGE
6		5460.000	3.622	44.934	48.556	-5.444	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 : 2014/11/16 - 20:33**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11a_5240MHz**

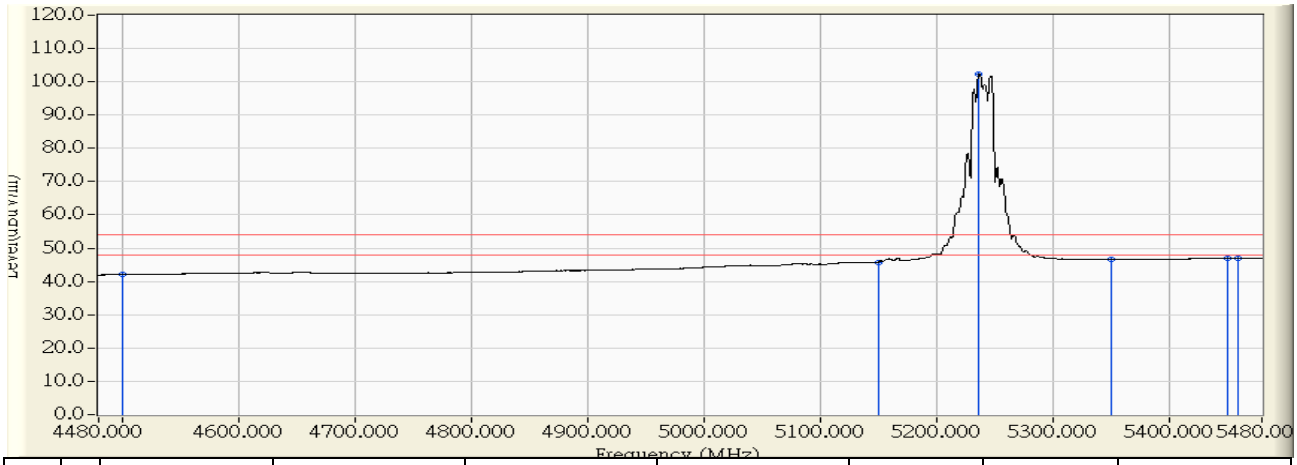


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	55.571	54.247	-19.753	74.000	PEAK
2		5150.000	1.239	56.661	57.900	-16.100	74.000	PEAK
3	*	5237.000	1.914	111.393	113.307	39.307	74.000	PEAK
4		5350.000	2.790	56.620	59.410	-14.590	74.000	PEAK
5		5445.000	3.527	56.755	60.282	-13.718	74.000	PEAK
6		5460.000	3.622	55.974	59.596	-14.404	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 : 2014/11/16 - 20:38**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11a_5240MHz**

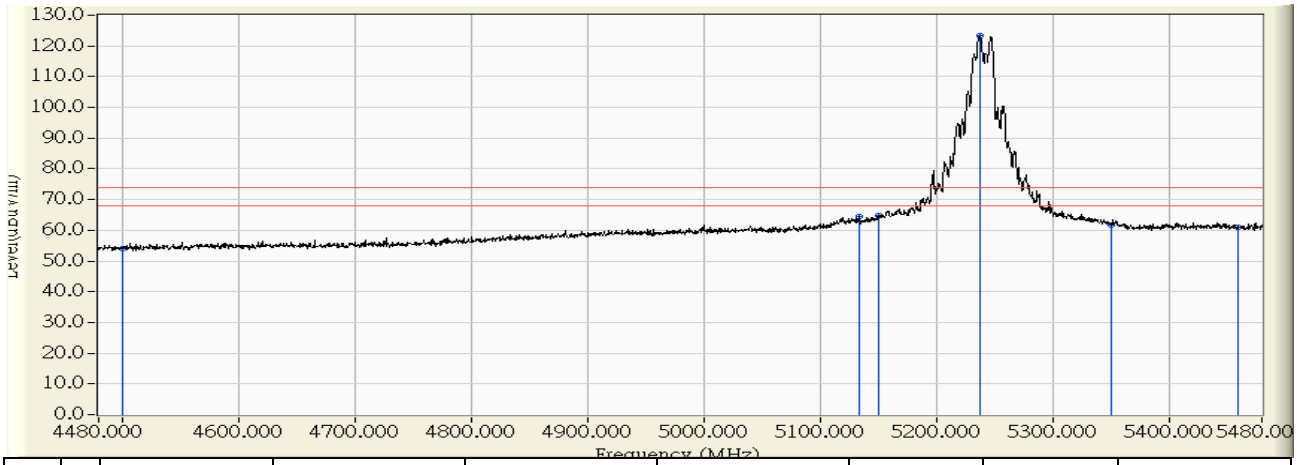


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	43.369	42.045	-11.955	54.000	AVERAGE
2		5150.000	1.239	44.542	45.781	-8.219	54.000	AVERAGE
3	*	5237.000	1.914	100.343	102.257	48.257	54.000	AVERAGE
4		5350.000	2.790	43.892	46.682	-7.318	54.000	AVERAGE
5		5450.000	3.566	43.410	46.975	-7.025	54.000	AVERAGE
6		5460.000	3.622	43.404	47.026	-6.974	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 : 2014/11/16 - 20:24**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11a_5240MHz**

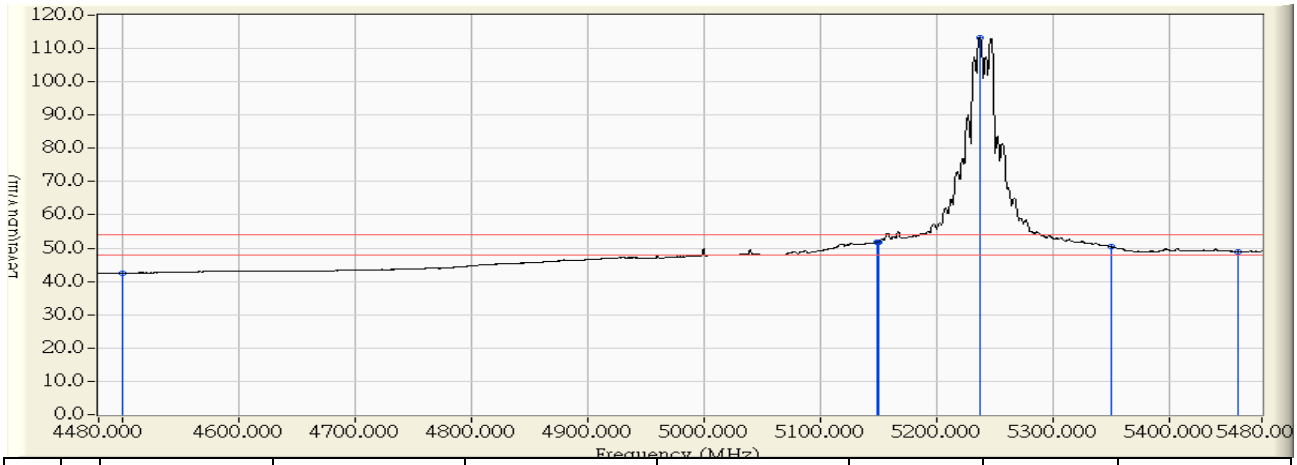


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	55.285	53.961	-20.039	74.000	PEAK
2		5133.500	1.110	63.311	64.422	-9.578	74.000	PEAK
3		5150.000	1.239	63.715	64.954	-9.046	74.000	PEAK
4	*	5237.500	1.918	121.431	123.349	49.349	74.000	PEAK
5		5350.000	2.790	58.777	61.567	-12.433	74.000	PEAK
6		5460.000	3.622	57.542	61.164	-12.836	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 : 2014/11/16 - 20:22**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11a_5240MHz**

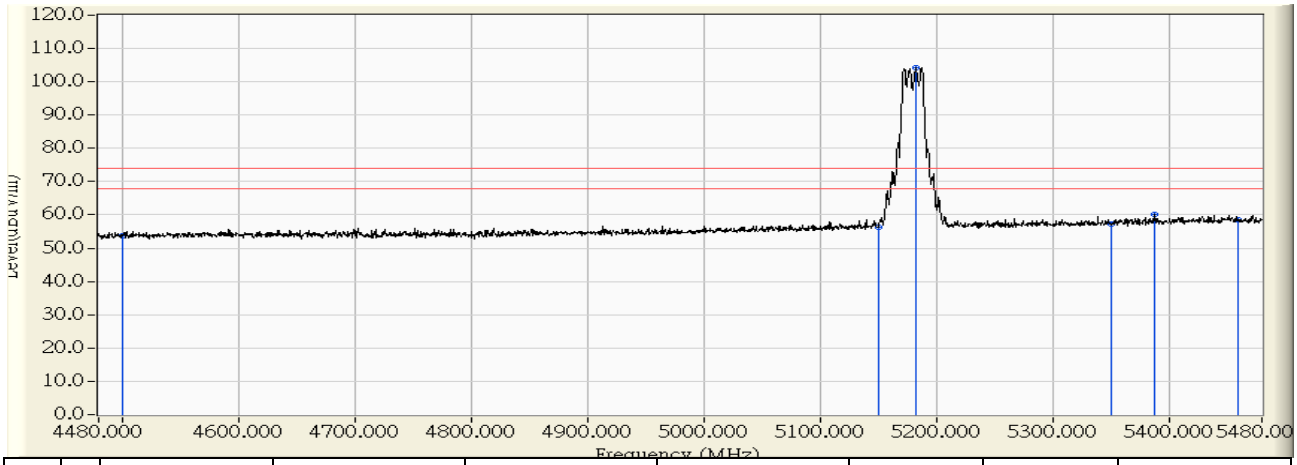


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	43.813	42.489	-11.511	54.000	AVERAGE
2		5149.000	1.231	50.545	51.776	-2.224	54.000	AVERAGE
3		5150.000	1.239	50.603	51.842	-2.158	54.000	AVERAGE
4	*	5237.500	1.918	111.457	113.375	59.375	54.000	AVERAGE
5		5350.000	2.790	47.562	50.352	-3.648	54.000	AVERAGE
6		5460.000	3.622	45.401	49.023	-4.977	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 : 2014/11/17 - 10:21**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(20MHz)_5180MHz**

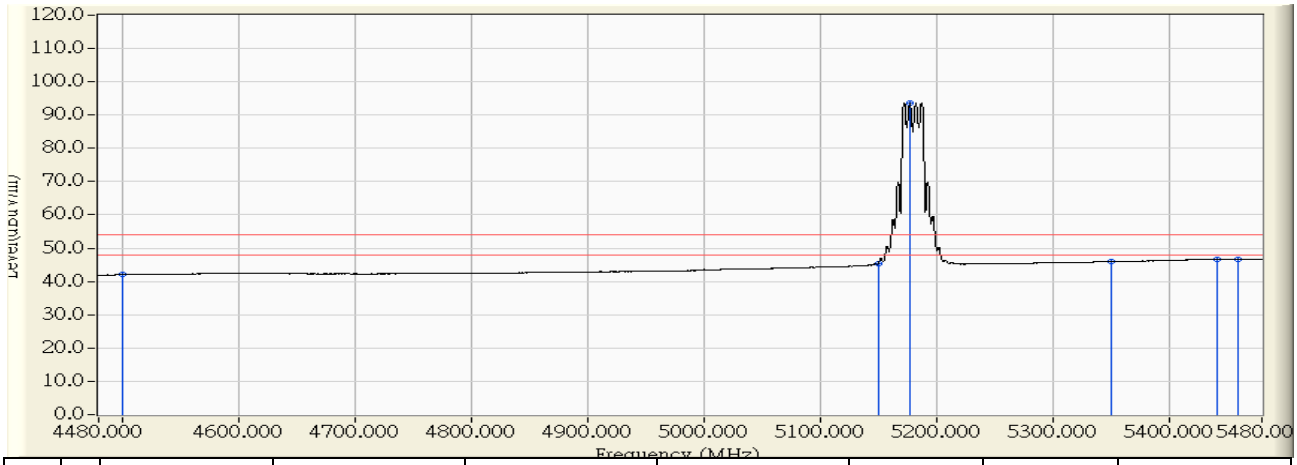


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	54.956	53.632	-20.368	74.000	PEAK
2		5150.000	1.239	55.066	56.305	-17.695	74.000	PEAK
3	*	5182.500	1.491	102.762	104.253	30.253	74.000	PEAK
4		5350.000	2.790	54.484	57.274	-16.726	74.000	PEAK
5		5387.500	3.081	57.127	60.208	-13.792	74.000	PEAK
6		5460.000	3.622	55.083	58.705	-15.295	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 : 2014/11/17 - 10:23**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(20MHz)_5180MHz**

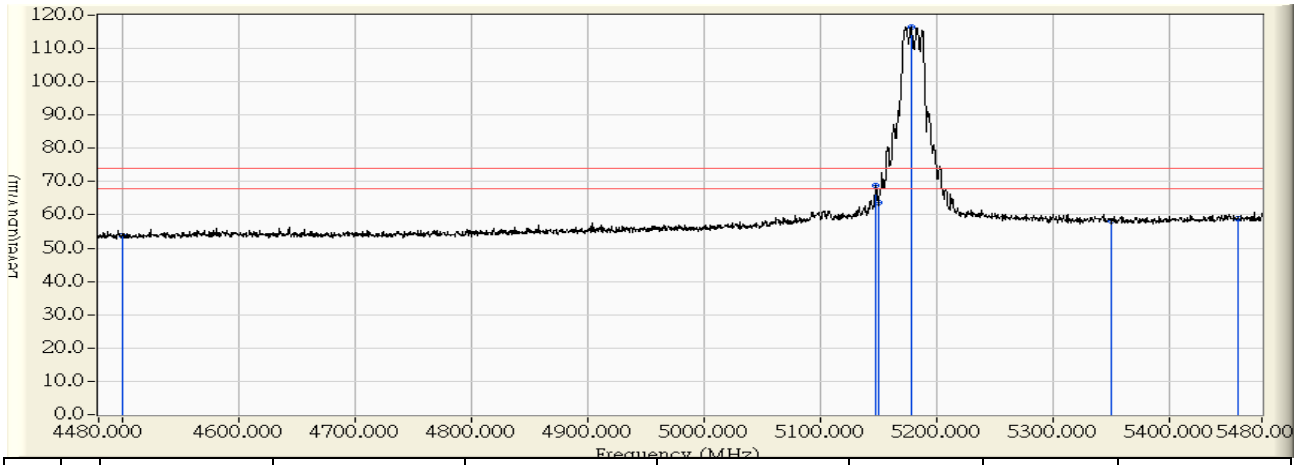


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	43.312	41.988	-12.012	54.000	AVERAGE
2		5150.000	1.239	43.979	45.218	-8.782	54.000	AVERAGE
3	*	5177.500	1.453	92.251	93.703	39.703	54.000	AVERAGE
4		5350.000	2.790	43.159	45.949	-8.051	54.000	AVERAGE
5		5441.500	3.500	43.254	46.753	-7.247	54.000	AVERAGE
6		5460.000	3.622	43.105	46.727	-7.273	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 : 2014/11/17 - 10:16**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(20MHz)_5180MHz**

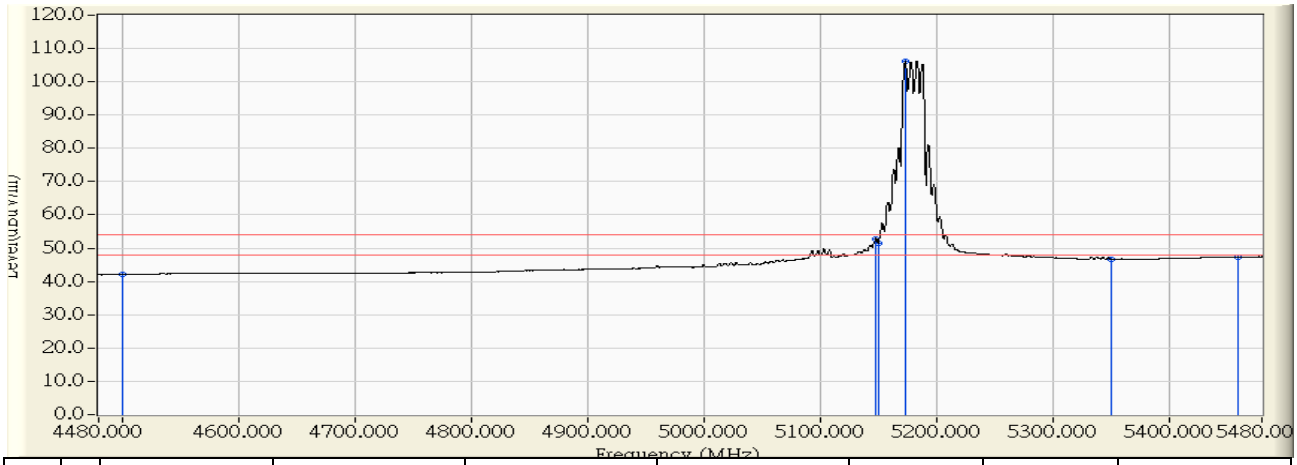


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	54.976	53.652	-20.348	74.000	PEAK
2		5147.500	1.220	67.755	68.975	-5.025	74.000	PEAK
3		5150.000	1.239	62.462	63.701	-10.299	74.000	PEAK
4	*	5178.500	1.459	114.976	116.436	42.436	74.000	PEAK
5		5350.000	2.790	55.561	58.351	-15.649	74.000	PEAK
6		5460.000	3.622	55.126	58.748	-15.252	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 : 2014/11/17 - 10:14**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(20MHz)_5180MHz**

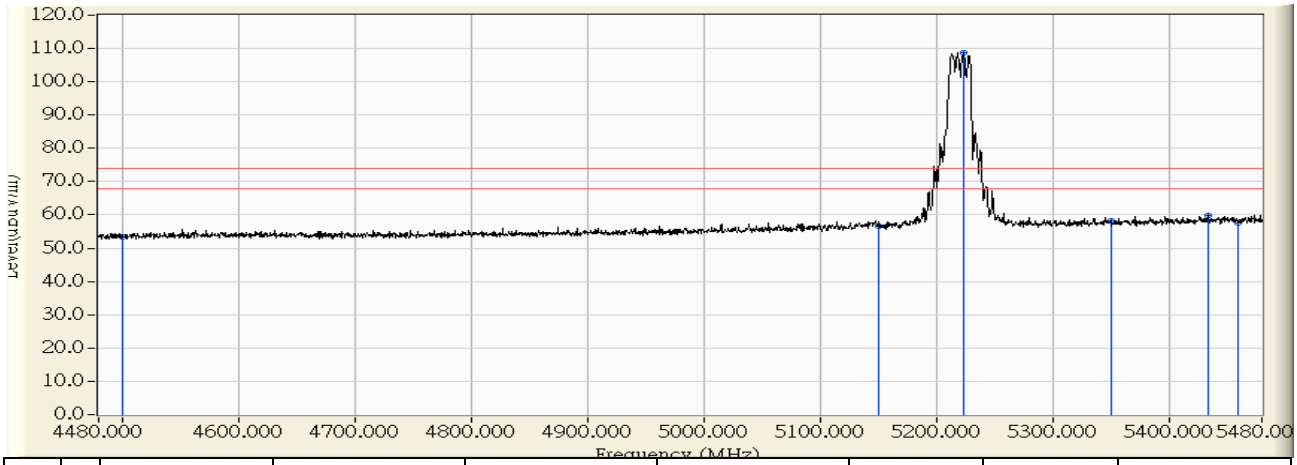


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	43.419	42.095	-11.905	54.000	AVERAGE
2		5148.000	1.224	51.610	52.833	-1.167	54.000	AVERAGE
3		5150.000	1.239	50.258	51.497	-2.503	54.000	AVERAGE
4	*	5173.500	1.420	104.655	106.076	52.076	54.000	AVERAGE
5		5350.000	2.790	43.882	46.672	-7.328	54.000	AVERAGE
6		5460.000	3.622	43.677	47.299	-6.701	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 : 2014/11/17 - 10:49**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(20MHz)_5220MHz**

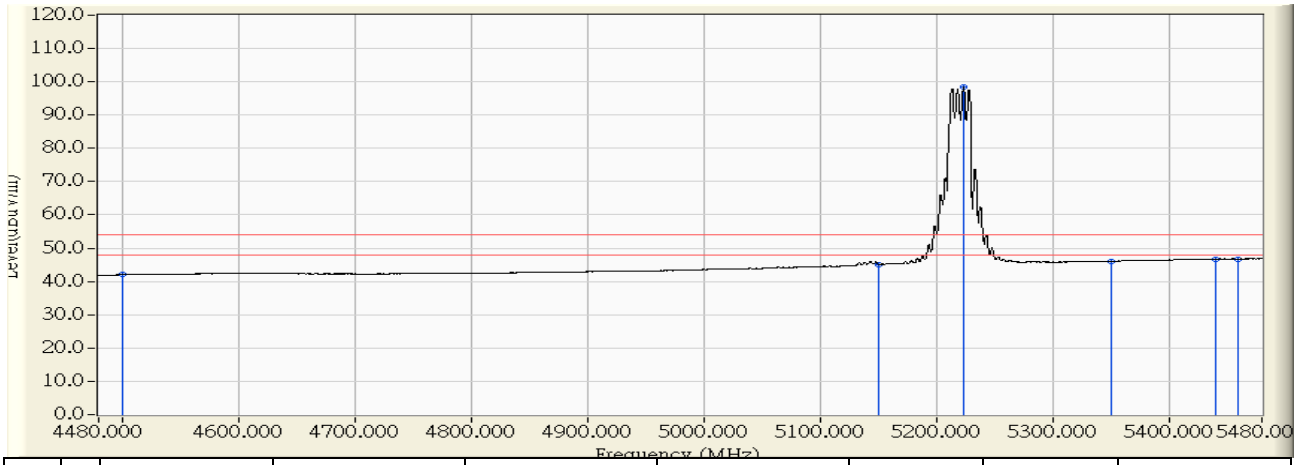


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	54.667	53.343	-20.657	74.000	PEAK
2		5150.000	1.239	55.270	56.509	-17.491	74.000	PEAK
3	*	5223.500	1.810	106.944	108.753	34.753	74.000	PEAK
4		5350.000	2.790	55.532	58.322	-15.678	74.000	PEAK
5		5434.000	3.441	56.383	59.824	-14.176	74.000	PEAK
6		5460.000	3.622	54.037	57.659	-16.341	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 : 2014/11/17 - 10:50**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(20MHz)_5220MHz**

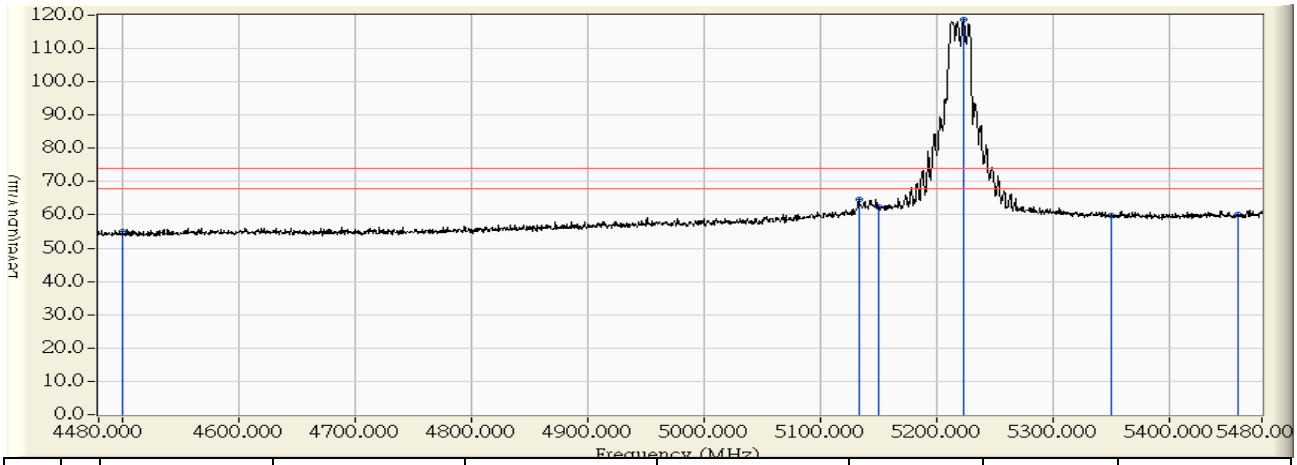


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	43.332	42.008	-11.992	54.000	AVERAGE
2		5150.000	1.239	43.952	45.191	-8.809	54.000	AVERAGE
3	*	5223.500	1.810	96.501	98.310	44.310	54.000	AVERAGE
4		5350.000	2.790	43.284	46.074	-7.926	54.000	AVERAGE
5		5440.000	3.488	43.286	46.774	-7.226	54.000	AVERAGE
6		5460.000	3.622	43.133	46.755	-7.245	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 : 2014/11/17 - 10:39**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(20MHz)_5220MHz**

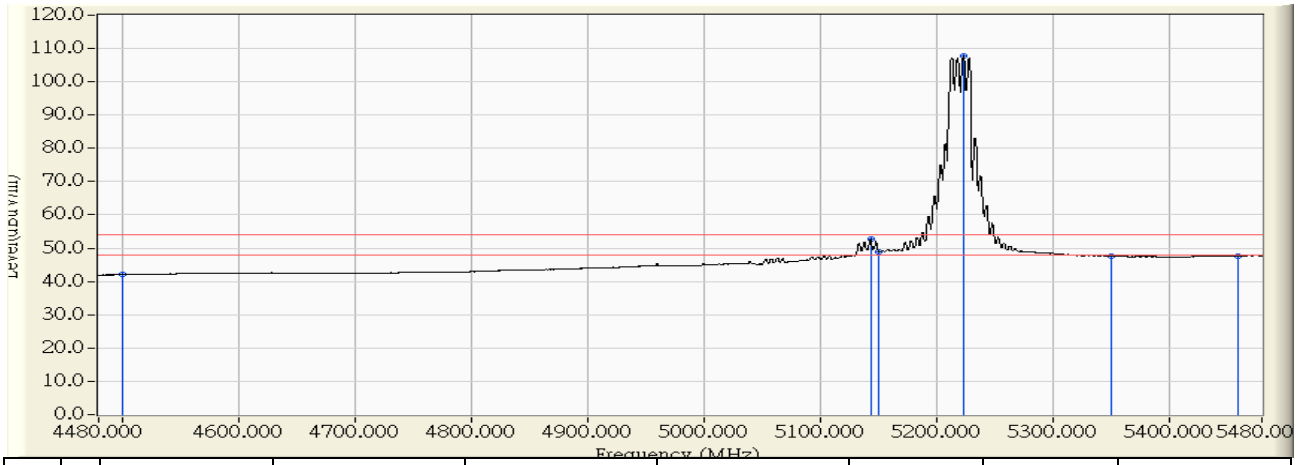


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	56.439	55.115	-18.885	74.000	PEAK
2		5133.500	1.110	63.584	64.695	-9.305	74.000	PEAK
3		5150.000	1.239	61.080	62.319	-11.681	74.000	PEAK
4	*	5223.500	1.810	116.822	118.631	44.631	74.000	PEAK
5		5350.000	2.790	57.179	59.969	-14.031	74.000	PEAK
6		5460.000	3.622	56.500	60.122	-13.878	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 : 2014/11/17 - 10:35**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(20MHz)_5220MHz**

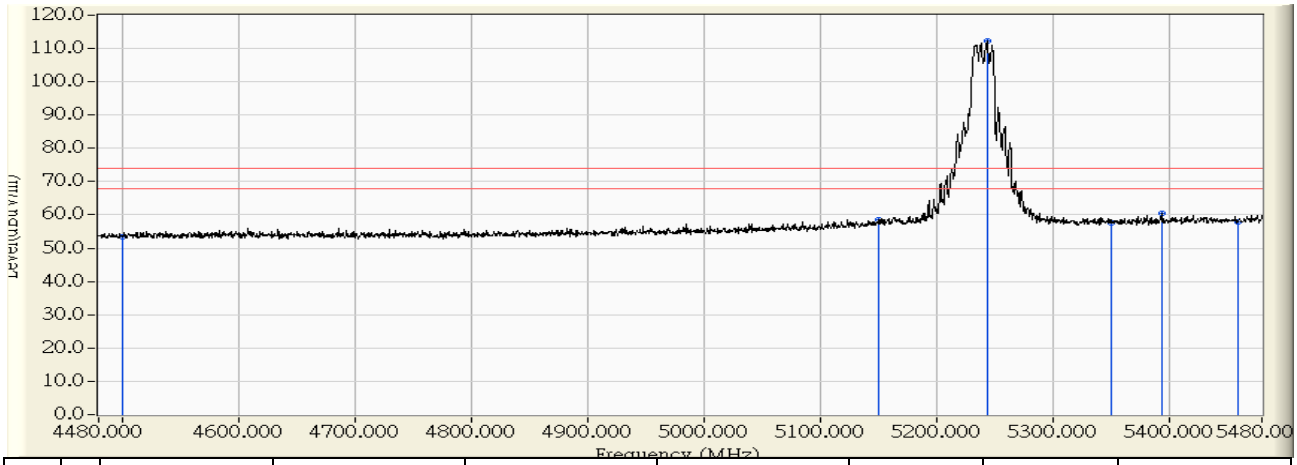


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	43.336	42.012	-11.988	54.000	AVERAGE
2		5143.500	1.188	51.664	52.853	-1.147	54.000	AVERAGE
3		5150.000	1.239	47.812	49.051	-4.949	54.000	AVERAGE
4	*	5223.500	1.810	105.960	107.769	53.769	54.000	AVERAGE
5		5350.000	2.790	44.770	47.560	-6.440	54.000	AVERAGE
6		5460.000	3.622	44.026	47.648	-6.352	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 : 2014/11/17 - 11:22**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(20MHz)_5240MHz**

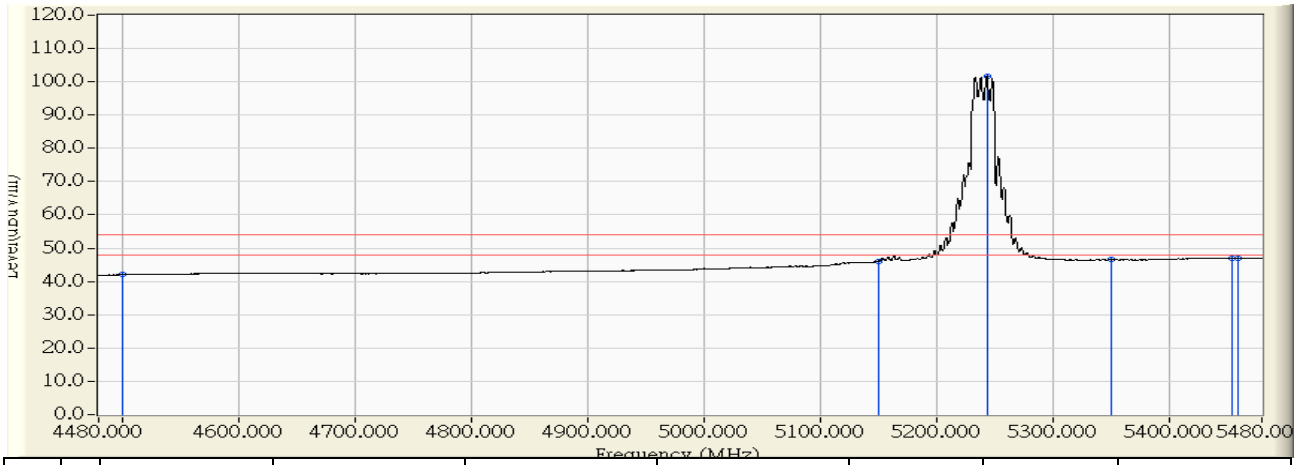


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	54.599	53.275	-20.725	74.000	PEAK
2		5150.000	1.239	57.254	58.493	-15.507	74.000	PEAK
3	*	5243.500	1.965	110.203	112.167	38.167	74.000	PEAK
4		5350.000	2.790	54.831	57.621	-16.379	74.000	PEAK
5		5393.500	3.128	57.422	60.549	-13.451	74.000	PEAK
6		5460.000	3.622	54.136	57.758	-16.242	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 : 2014/11/17 - 11:28**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(20MHz)_5240MHz**

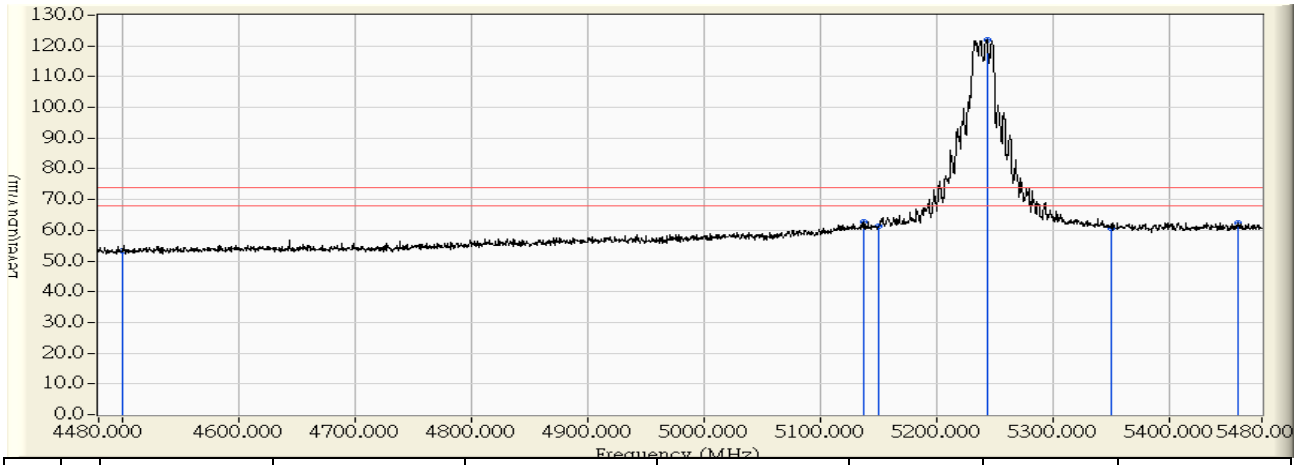


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	43.338	42.014	-11.986	54.000	AVERAGE
2		5150.000	1.239	44.669	45.908	-8.092	54.000	AVERAGE
3	*	5243.500	1.965	99.825	101.789	47.789	54.000	AVERAGE
4		5350.000	2.790	43.721	46.511	-7.489	54.000	AVERAGE
5		5454.000	3.596	43.344	46.940	-7.060	54.000	AVERAGE
6		5460.000	3.622	43.333	46.955	-7.045	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 : 2014/11/17 - 11:00**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(20MHz)_5240MHz**

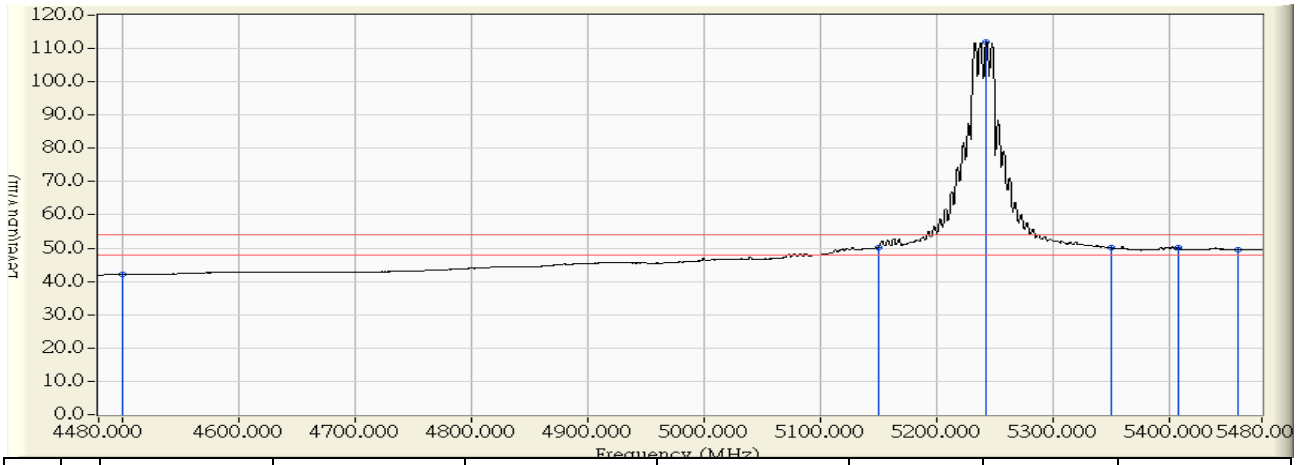


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	54.802	53.478	-20.522	74.000	PEAK
2		5138.000	1.147	61.610	62.756	-11.244	74.000	PEAK
3		5150.000	1.239	60.074	61.313	-12.687	74.000	PEAK
4	*	5243.500	1.965	120.170	122.134	48.134	74.000	PEAK
5		5350.000	2.790	57.830	60.620	-13.380	74.000	PEAK
6		5460.000	3.622	58.595	62.217	-11.783	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 : 2014/11/17 - 10:58**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(20MHz)_5240MHz**

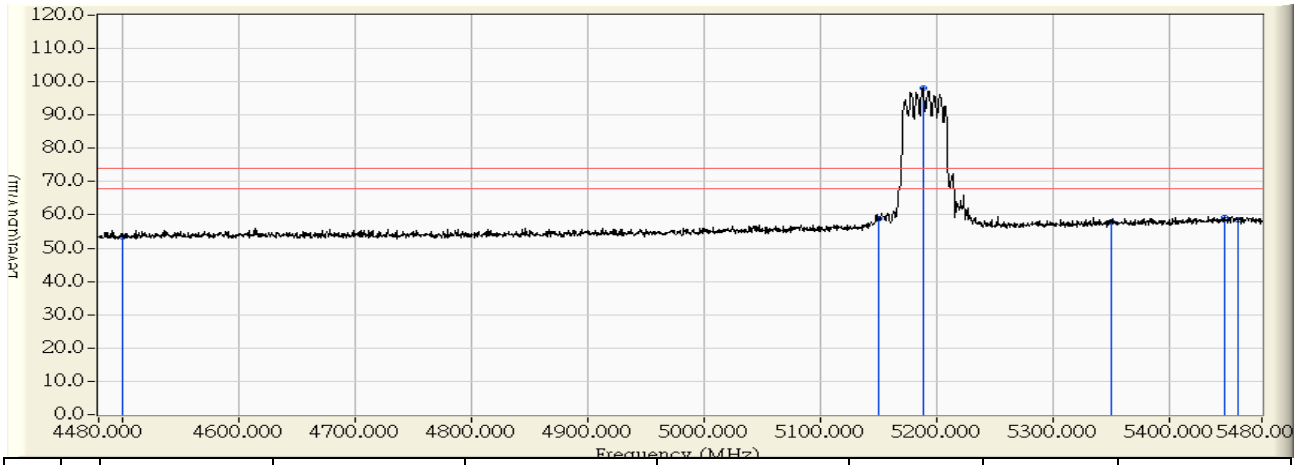


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	43.395	42.071	-11.929	54.000	AVERAGE
2		5150.000	1.239	48.818	50.057	-3.943	54.000	AVERAGE
3	*	5243.000	1.961	110.153	112.113	58.113	54.000	AVERAGE
4		5350.000	2.790	47.283	50.073	-3.927	54.000	AVERAGE
5		5408.000	3.240	47.048	50.288	-3.712	54.000	AVERAGE
6		5460.000	3.622	46.078	49.700	-4.300	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 : 2014/11/17 - 13:09**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(40MHz)_5190MHz**

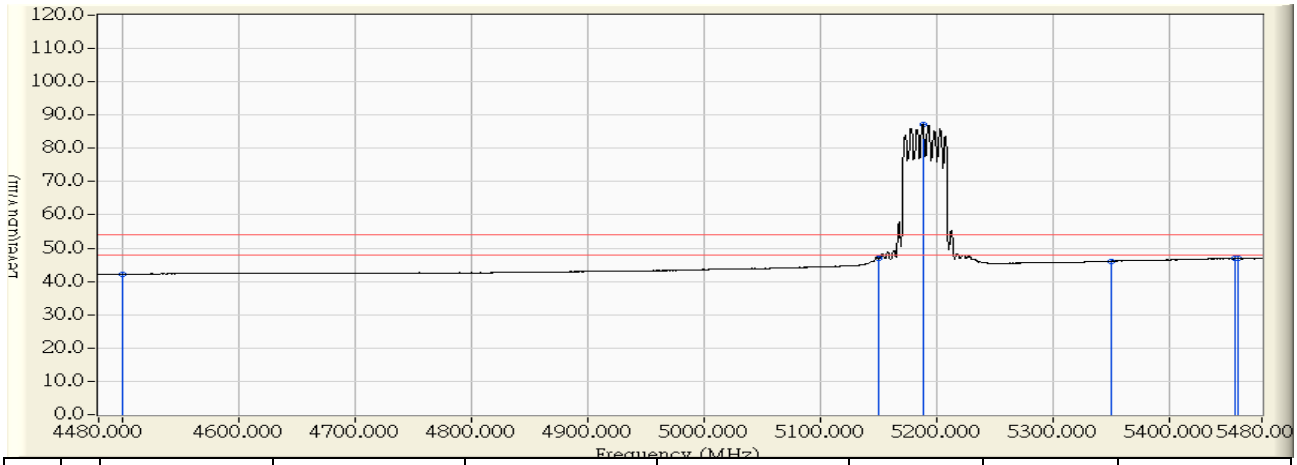


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	54.585	53.261	-20.739	74.000	PEAK
2		5150.000	1.239	57.491	58.730	-15.270	74.000	PEAK
3	*	5188.500	1.537	96.703	98.241	24.241	74.000	PEAK
4		5350.000	2.790	55.198	57.988	-16.012	74.000	PEAK
5		5447.500	3.546	55.804	59.350	-14.650	74.000	PEAK
6		5460.000	3.622	54.783	58.405	-15.595	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 : 2014/11/17 - 13:10**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(40MHz)_5190MHz**

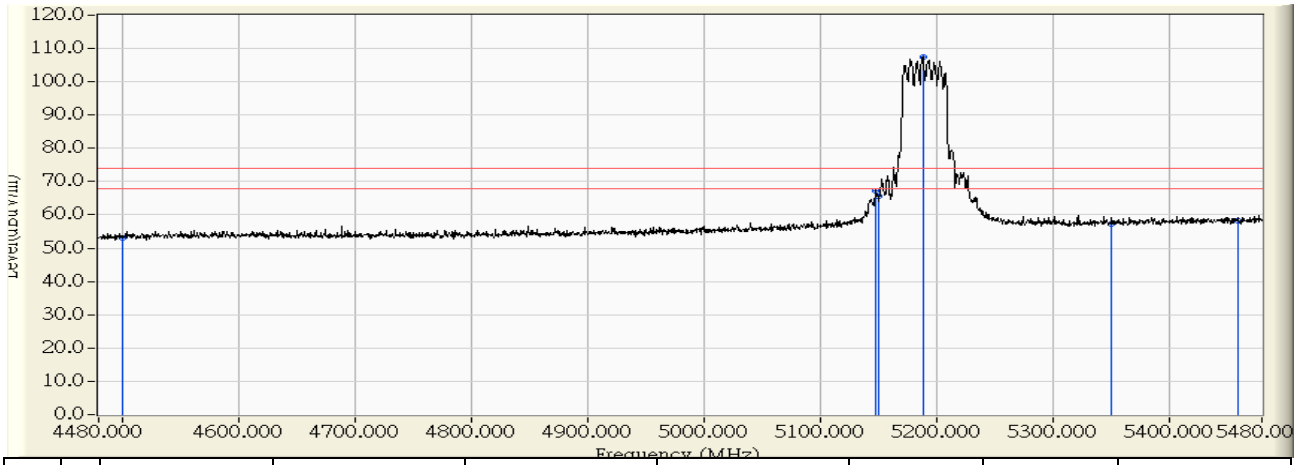


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	43.533	42.209	-11.791	54.000	AVERAGE
2		5150.000	1.239	45.649	46.888	-7.112	54.000	AVERAGE
3	*	5188.500	1.537	85.768	87.306	33.306	54.000	AVERAGE
4		5350.000	2.790	43.370	46.160	-7.840	54.000	AVERAGE
5		5456.500	3.607	43.213	46.820	-7.180	54.000	AVERAGE
6		5460.000	3.622	43.214	46.836	-7.164	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 : 2014/11/17 - 11:43**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(40MHz)_5190MHz**

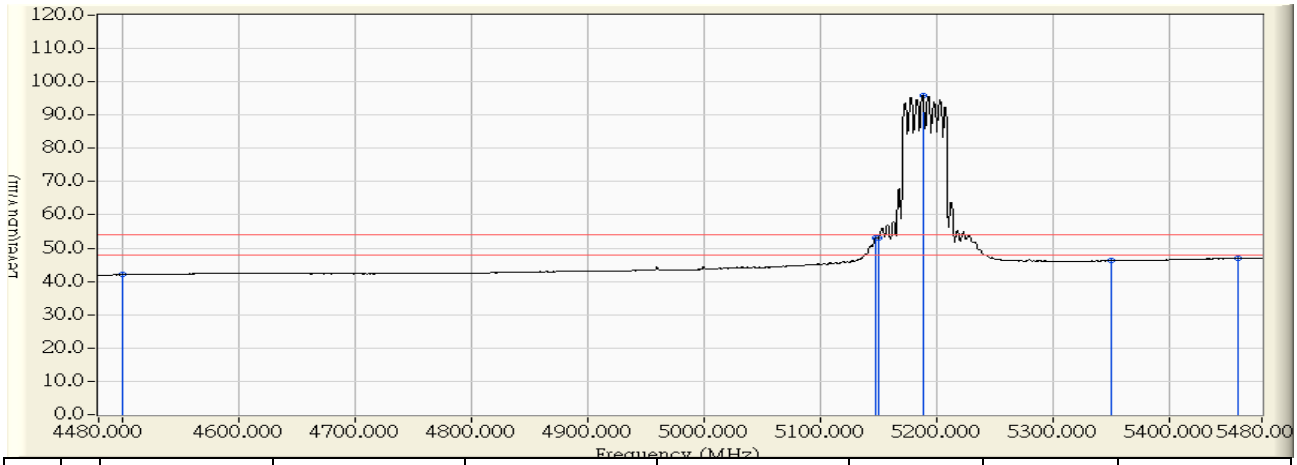


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	54.379	53.055	-20.945	74.000	PEAK
2		5148.500	1.227	65.996	67.223	-6.777	74.000	PEAK
3		5150.000	1.239	64.280	65.519	-8.481	74.000	PEAK
4	*	5188.500	1.537	105.871	107.409	33.409	74.000	PEAK
5		5350.000	2.790	54.471	57.261	-16.739	74.000	PEAK
6		5460.000	3.622	54.668	58.290	-15.710	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 : 2014/11/17 - 11:40**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(40MHz)_5190MHz**

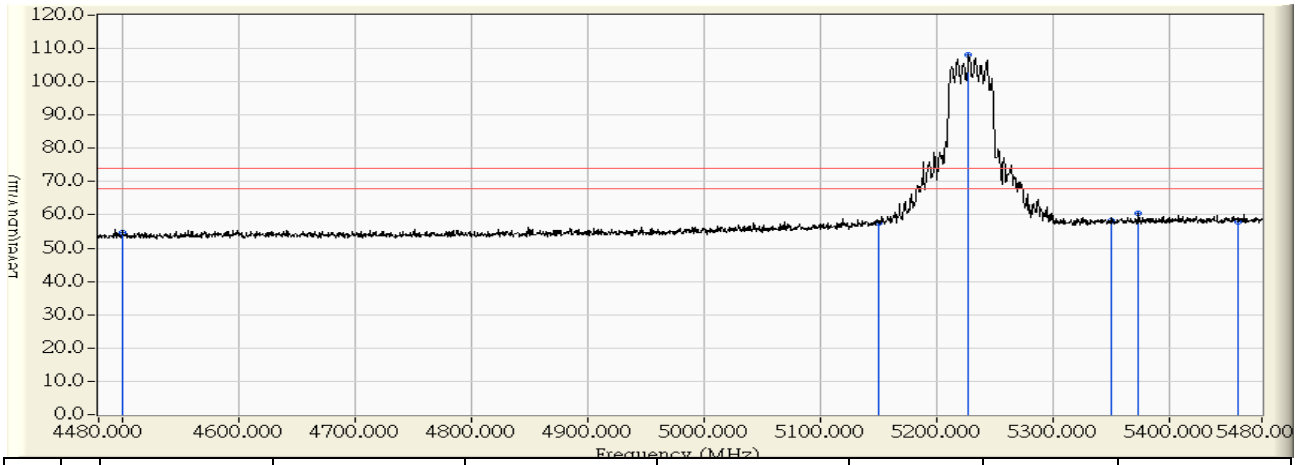


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	43.351	42.027	-11.973	54.000	AVERAGE
2		5148.500	1.227	51.828	53.055	-0.945	54.000	AVERAGE
3		5150.000	1.239	51.788	53.027	-0.973	54.000	AVERAGE
4	*	5188.500	1.537	94.463	96.001	42.001	54.000	AVERAGE
5		5350.000	2.790	43.453	46.243	-7.757	54.000	AVERAGE
6		5460.000	3.622	43.228	46.850	-7.150	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 : 2014/11/17 - 13:31**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(40MHz)_5230MHz**

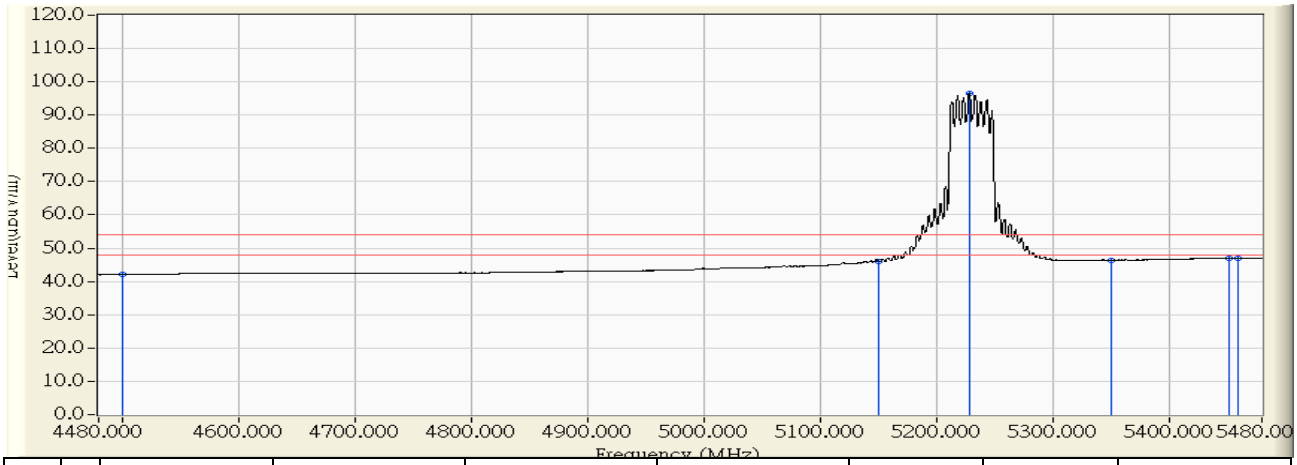


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	55.942	54.618	-19.382	74.000	PEAK
2		5150.000	1.239	56.300	57.539	-16.461	74.000	PEAK
3	*	5228.000	1.845	106.197	108.041	34.041	74.000	PEAK
4		5350.000	2.790	55.391	58.181	-15.819	74.000	PEAK
5		5374.000	2.975	57.559	60.535	-13.465	74.000	PEAK
6		5460.000	3.622	54.205	57.827	-16.173	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 : 2014/11/17 - 13:37**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(40MHz)_5230MHz**

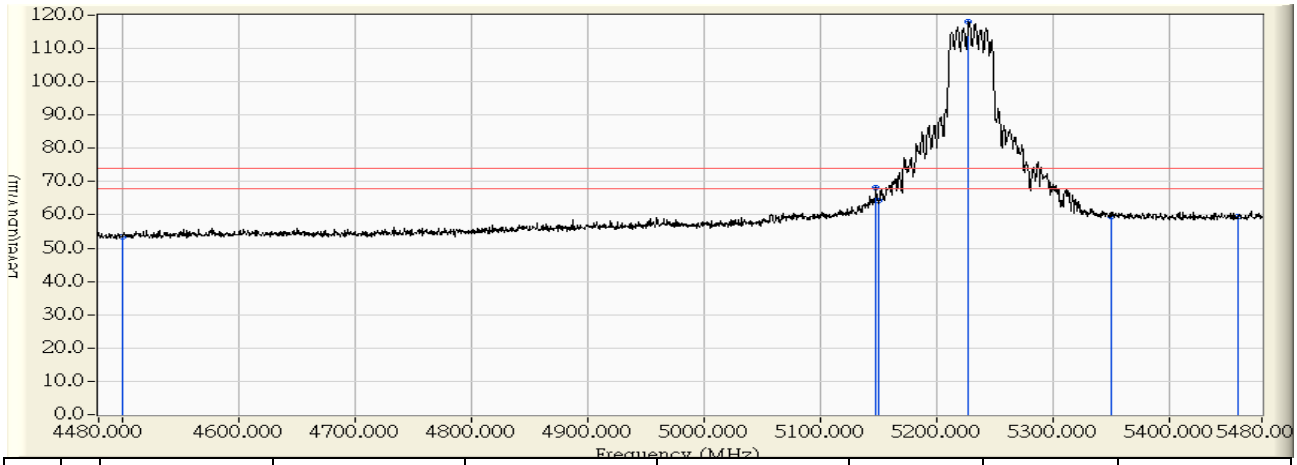


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	43.423	42.099	-11.901	54.000	AVERAGE
2		5150.000	1.239	44.837	46.076	-7.924	54.000	AVERAGE
3	*	5228.500	1.849	94.551	96.399	42.399	54.000	AVERAGE
4		5350.000	2.790	43.637	46.427	-7.573	54.000	AVERAGE
5		5451.500	3.577	43.342	46.919	-7.081	54.000	AVERAGE
6		5460.000	3.622	43.319	46.941	-7.059	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 : 2014/11/17 - 13:24**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(40MHz)_5230MHz**

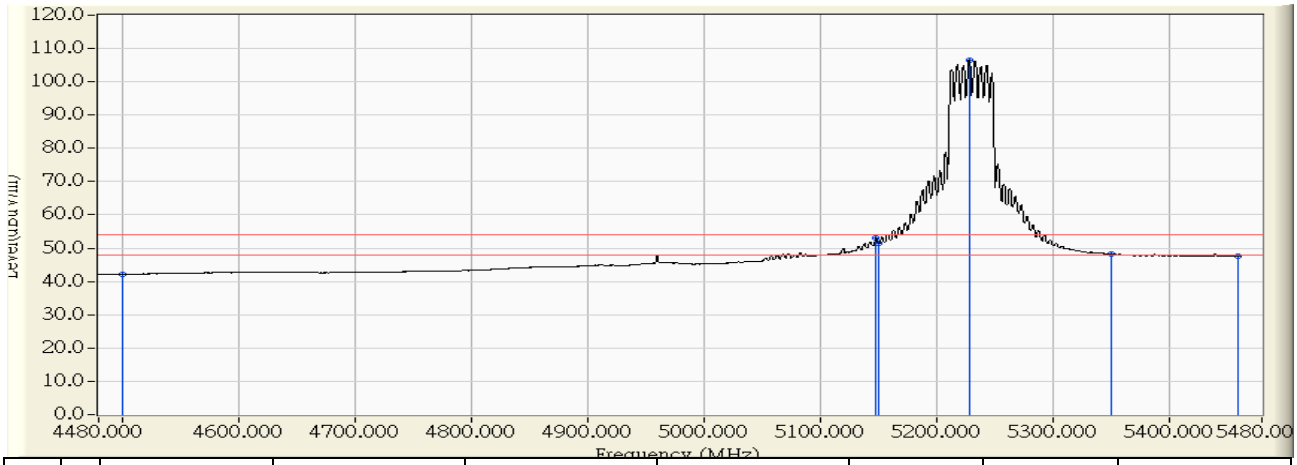


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	54.800	53.476	-20.524	74.000	PEAK
2		5148.500	1.227	67.078	68.305	-5.695	74.000	PEAK
3		5150.000	1.239	63.150	64.389	-9.611	74.000	PEAK
4	*	5228.000	1.845	116.093	117.937	43.937	74.000	PEAK
5		5350.000	2.790	56.771	59.561	-14.439	74.000	PEAK
6		5460.000	3.622	55.798	59.420	-14.580	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 : 2014/11/17 - 13:23**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_AD82030 802.11n(40MHz)_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	43.509	42.185	-11.815	54.000	AVERAGE
2		5148.000	1.224	51.719	52.942	-1.058	54.000	AVERAGE
3		5150.000	1.239	50.287	51.526	-2.474	54.000	AVERAGE
4	*	5228.500	1.849	104.672	106.520	52.520	54.000	AVERAGE
5		5350.000	2.790	45.376	48.166	-5.834	54.000	AVERAGE
6		5460.000	3.622	44.133	47.755	-6.245	54.000	AVERAGE

Note:

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

8. Frequency Stability

8.1. Test Equipment

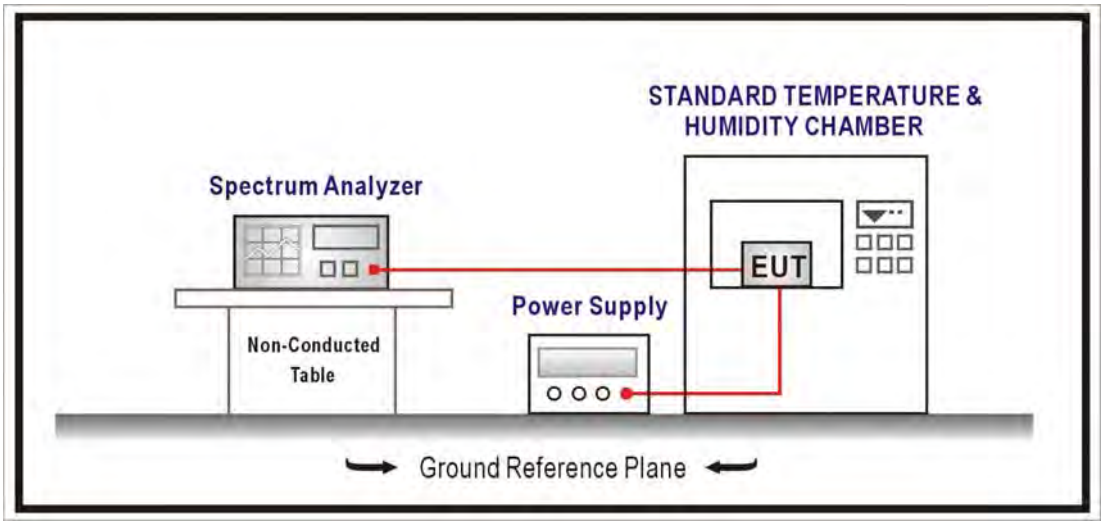
The following test equipments are used during the radiated emission tests:

Frequency Stability / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2015/07/14
Temperature & Humidity Chamber	WIT	TH-1S-B	1082101	2016/01/22

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

8.2. Test Setup



8.3. Limits

Manufactures of 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: 2009; 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	Gigabit Router Dual-band Wireless-N900		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_AD82030 - 802.11a - 5180MHz(ANT 0)		
Date of Test	2015/01/25	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5180.7614	146.9837	PASS
-10		5180.7938	153.2473	PASS
0		5179.7400	-50.1886	PASS
10		5179.6543	-66.7366	PASS
20		5179.7651	-45.3552	PASS
30		5179.7331	-51.5340	PASS
40		5179.3965	-116.5036	PASS
50		5179.6441	-68.7065	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5180.4880	94.2135	PASS
	120	5180.1022	19.7360	PASS
	138	5180.3881	74.9159	PASS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_AD82030 - 802.11a - 5240MHz(ANT 0)		
Date of Test	2015/01/25	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5240.7688	146.7140	PASS
-10		5240.3803	72.5849	PASS
0		5239.7026	-56.7486	PASS
10		5239.8763	-23.6057	PASS
20		5239.5235	-90.9280	PASS
30		5239.7474	-48.2095	PASS
40		5239.3300	-127.8658	PASS
50		5239.6521	-66.4001	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5239.4665	-101.8041	PASS
	120	5240.1155	22.0507	PASS
	138	5240.5816	110.9960	PASS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_AD82030 - 802.11a - 5180MHz(ANT 1)		
Date of Test	2015/01/25	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5180.3417	65.9696	PASS
-10		5180.2109	40.7154	PASS
0		5179.8815	-22.8721	PASS
10		5179.9832	-3.2384	PASS
20		5179.6419	-69.1222	PASS
30		5179.6629	-65.0761	PASS
40		5179.3409	-127.2379	PASS
50		5179.8438	-30.1467	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5179.9241	-14.6431	PASS
	120	5180.7614	146.9953	PASS
	138	5179.6102	-75.2592	PASS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_AD82030 - 802.11a - 5240MHz(ANT 1)		
Date of Test	2015/01/25	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5240.5074	96.8414	PASS
-10		5240.0502	9.5733	PASS
0		5239.8508	-28.4802	PASS
10		5239.8640	-25.9504	PASS
20		5239.6820	-60.6884	PASS
30		5239.5584	-84.2669	PASS
40		5239.4810	-99.0436	PASS
50		5239.9784	-4.1241	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5239.6048	-75.4117	PASS
	120	5240.5618	107.2116	PASS
	138	5240.1623	30.9782	PASS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_AD82030 - 802.11a - 5180MHz(ANT 2)		
Date of Test	2015/01/25	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5180.2497	48.2016	PASS
-10		5180.0854	16.4808	PASS
0		5179.7478	-48.6782	PASS
10		5179.9368	-12.1928	PASS
20		5179.5034	-95.8766	PASS
30		5179.5290	-90.9270	PASS
40		5179.5397	-88.8672	PASS
50		5179.6616	-65.3235	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5179.2892	-137.2229	PASS
	120	5180.2011	38.8295	PASS
	138	5179.8086	-36.9575	PASS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_AD82030 - 802.11a - 5240MHz(ANT 2)		
Date of Test	2015/01/25	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5240.3243	61.8982	PASS
-10		5240.5003	95.4785	PASS
0		5239.9876	-2.3579	PASS
10		5239.9973	-0.5107	PASS
20		5239.8032	-37.5531	PASS
30		5239.9743	-4.8984	PASS
40		5239.7758	-42.7934	PASS
50		5239.2098	-150.7994	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5239.4789	-99.4479	PASS
	120	5239.2886	-135.7623	PASS
	138	5239.8851	-21.9237	PASS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_AD82030 - 802.11n_20M - 5180MHz(ANT 0)		
Date of Test	2015/01/25	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5180.2252	43.4787	PASS
-10		5180.6028	116.3709	PASS
0		5179.9529	-9.0840	PASS
10		5179.8366	-31.5361	PASS
20		5179.9052	-18.3094	PASS
30		5179.9191	-15.6216	PASS
40		5179.4040	-115.0661	PASS
50		5179.7919	-40.1663	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5179.8718	-24.7456	PASS
	120	5180.4994	96.4033	PASS
	138	5179.9564	-8.4076	PASS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_AD82030 - 802.11n_20M - 5240MHz(ANT 0)		
Date of Test	2015/01/25	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5240.7900	150.7628	PASS
-10		5240.4442	84.7637	PASS
0		5239.7254	-52.3959	PASS
10		5239.7502	-47.6631	PASS
20		5239.6684	-63.2898	PASS
30		5239.5645	-83.1085	PASS
40		5239.2110	-150.5771	PASS
50		5239.5061	-94.2594	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5240.3219	61.4307	PASS
	120	5239.4129	-112.0383	PASS
	138	5240.1207	23.0328	PASS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_AD82030 - 802.11n_20M - 5180MHz(ANT 1)		
Date of Test	2015/01/25	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5180.0344	6.6420	PASS
-10		5180.0941	18.1636	PASS
0		5179.8894	-21.3481	PASS
10		5179.7397	-50.2465	PASS
20		5179.8170	-35.3335	PASS
30		5179.8739	-24.3376	PASS
40		5179.5405	-88.7012	PASS
50		5179.9510	-9.4626	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5180.6037	116.5440	PASS
	120	5180.6574	126.9031	PASS
	138	5179.9928	-1.3856	PASS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_AD82030 - 802.11n_20M - 5240MHz(ANT 1)		
Date of Test	2015/01/25	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5240.3531	67.3836	PASS
-10		5240.5270	100.5688	PASS
0		5239.8626	-26.2132	PASS
10		5239.6103	-74.3684	PASS
20		5239.6862	-59.8802	PASS
30		5239.9659	-6.5149	PASS
40		5239.4428	-106.3319	PASS
50		5239.3249	-128.8380	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5239.8159	-35.1418	PASS
	120	5240.5326	101.6500	PASS
	138	5239.5743	-81.2415	PASS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_AD82030 - 802.11n_20M - 5180MHz (ANT 2)		
Date of Test	2015/01/25	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5180.7657	147.8160	PASS
-10		5180.2274	43.9038	PASS
0		5179.8783	-23.5014	PASS
10		5179.9427	-11.0632	PASS
20		5179.6560	-66.4084	PASS
30		5179.6745	-62.8328	PASS
40		5179.6652	-64.6327	PASS
50		5179.5451	-87.8221	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5179.3481	-125.8459	PASS
	120	5179.9837	-3.1384	PASS
	138	5180.0075	1.4495	PASS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_AD82030 - 802.11n_20M - 5240MHz (ANT 2)		
Date of Test	2015/01/25	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5240.7370	140.6553	PASS
-10		5240.1778	33.9230	PASS
0		5239.8695	-24.8968	PASS
10		5239.7900	-40.0743	PASS
20		5239.5842	-79.3579	PASS
30		5239.9155	-16.1344	PASS
40		5239.2843	-136.5880	PASS
50		5239.8308	-32.2856	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5240.2608	49.7686	PASS
	120	5240.1642	31.3361	PASS
	138	5239.9790	-4.0143	PASS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_AD82030 - 802.11n_40M - 5190MHz(ANT 0)		
Date of Test	2015/01/25	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5190.0019	0.3698	PASS
-10		5190.5849	112.6948	PASS
0		5189.9961	-0.7520	PASS
10		5189.6414	-69.1031	PASS
20		5189.9041	-18.4719	PASS
30		5189.9515	-9.3408	PASS
40		5189.6160	-73.9884	PASS
50		5189.2962	-135.6007	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5190.2886	55.6069	PASS
	120	5189.6702	-63.5440	PASS
	138	5190.3407	65.6450	PASS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_AD82030 - 802.11n_40M - 5230MHz(ANT 0)		
Date of Test	2015/01/25	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5230.7446	142.3653	PASS
-10		5230.4323	82.6577	PASS
0		5229.8456	-29.5234	PASS
10		5229.6551	-65.9507	PASS
20		5229.6098	-74.6051	PASS
30		5229.8864	-21.7117	PASS
40		5229.6036	-75.7884	PASS
50		5229.9590	-7.8435	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5230.4980	95.2250	PASS
	120	5229.9696	-5.8058	PASS
	138	5230.0338	6.4663	PASS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_AD82030 - 802.11n_40M - 5190MHz(ANT 1)		
Date of Test	2015/01/25	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5190.5815	112.0423	PASS
-10		5190.7671	147.8073	PASS
0		5189.9317	-13.1652	PASS
10		5189.9838	-3.1300	PASS
20		5189.8660	-25.8115	PASS
30		5189.7973	-39.0590	PASS
40		5189.7432	-49.4843	PASS
50		5189.7220	-53.5553	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5190.2194	42.2671	PASS
	120	5190.0028	0.5440	PASS
	138	5189.9281	-13.8569	PASS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_AD82030 - 802.11n_40M - 5230MHz(ANT 1)		
Date of Test	2015/01/25	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5230.5354	102.3783	PASS
-10		5230.0321	6.1360	PASS
0		5229.8497	-28.7327	PASS
10		5229.7708	-43.8151	PASS
20		5229.6722	-62.6815	PASS
30		5229.8604	-26.6913	PASS
40		5229.2391	-145.4888	PASS
50		5229.9363	-12.1706	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5229.5770	-80.8880	PASS
	120	5229.9660	-6.5033	PASS
	138	5230.1510	28.8702	PASS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_AD82030 - 802.11n_40M - 5190MHz(ANT 2)		
Date of Test	2015/01/25	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5190.7313	140.9005	PASS
-10		5190.1308	25.2024	PASS
0		5189.9149	-16.3920	PASS
10		5189.7630	-45.6598	PASS
20		5189.5370	-89.2078	PASS
30		5189.7325	-51.5442	PASS
40		5189.5571	-85.3282	PASS
50		5189.2032	-153.5353	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5189.3915	-117.2374	PASS
	120	5190.5349	103.0631	PASS
	138	5190.2037	39.2546	PASS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit_AD82030 - 802.11n_40M -5230MHz(ANT 2)		
Date of Test	2015/01/25	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5230.6264	119.7800	PASS
-10		5230.2459	47.0113	PASS
0		5229.7306	-51.5078	PASS
10		5229.9064	-17.8973	PASS
20		5229.8582	-27.1033	PASS
30		5229.9350	-12.4350	PASS
40		5229.3106	-131.8102	PASS
50		5229.4782	-99.7637	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5230.2877	55.0174	PASS
	120	5229.6343	-69.9322	PASS
	138	5229.9979	-0.4014	PASS