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-RFUSP28V00

Report Version ： V1.0

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.

Test Report Certification

Issued Date : 2015/01/29
Report No. : 1490542R-RFUSP28V00

QuieTek

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 C Section 15.247:2013
		ANSI C63.10: 2009
Test Result	:	Complied

The test results relate only to the samples tested.
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Documented By : Carol Tsai

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Approved By : Roy Wang

(Roy Wang / Director)

Laboratory Information

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

Taiwan R.O.C.	**:**	**TAF, Accreditation Number: 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:

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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 802.11b/g & IEEE 802.11n (20MHz)_2.4GHz	2412~2462MHz / 11 Channels
Frequency Range/Channel Number -IEEE 802.11n (40MHz) _2.4GHz	2422~2452MHz / 7 Channels
Frequency Range/Channel Number -IEEE 802.11a& IEEE 802.11n (20MHz)_5.8GHz	5745~5825MHz / 5 Channels
Frequency Range/Channel Number -IEEE 802.11n (40MHz) _5.8GHz	5755~5795MHz / 2 Channels
Type of Modulation (IEEE 802.11b)	Direct Sequence Spread Spectrum (DSSS)
Type of Modulation (IEEE 802.11a/g/n)	Orthogonal Frequency Division Multiplexing (OFDM)
Data Speed (IEEE 802.11b)	1Mbps, 2Mbps, 5.5Mbps, 11Mbps
Data Speed (IEEE 802.11a/g)	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

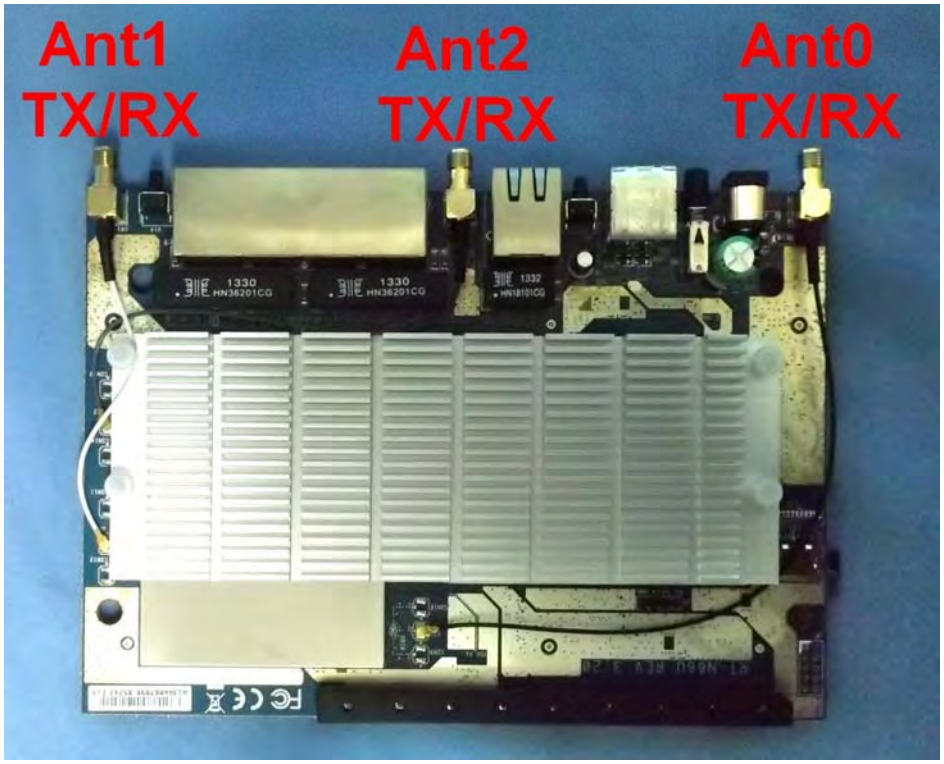
Antenna Information	
Vender/Model	For M/N: RT-N66U, RT-N66R: Walsin/ RFDPA141000SBLB812 Whayu / C660-510332-A For M/N: RT-N66W: Walsin/ RFDPA141000SBLB803
Antenna Type	Dipole Antenna
Antenna Gain	2.4G: Ant0: 2dBi, Ant1: 2dBi, Ant2: 2dBi 5G Band1: Ant0: 4dBi, Ant1: 4dBi, Ant2: 4dBi 5G Band2: Ant0: 4dBi, 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	✓		✓	
IEEE802.11b	✓		✓	
IEEE802.11g	✓		✓	
IEEE802.11n	✓	✓	✓	✓

(3TX / 3RX)



IEEE 802.11n

MCS Index	Modulation	R	N_{BPSCS}	N_{CBPS}		N_{DBPS}		Data Rate(Mb/s)			
								800ns GI		400ns GI	
				20MHz	40MHz	20MHz	40MHz	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)			
								800ns GI		400ns GI	
				20MHz	40MHz	20MHz	40MHz	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)			
								800ns GI		400ns GI	
				20MHz	40MHz	20MHz	40MHz	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 802.11b/g & IEEE 802.11n (20MHz) - 2.4GHz

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
001	2412 MHz	002	2417 MHz	003	2422 MHz	004	2427 MHz
005	2432 MHz	006	2437 MHz	007	2442 MHz	008	2447 MHz
009	2452 MHz	010	2457 MHz	011	2462 MHz		

IEEE 802.11n (40MHz) - 2.4GHz

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
003	2422 MHz	004	2427 MHz	005	2432 MHz	006	2437 MHz
007	2442 MHz	008	2447 MHz	009	2452 MHz		

IEEE 802.11a & IEEE 802.11n (20MHz) - 5.8GHz

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
149	5745 MHz	153	5765 MHz	157	5785 MHz	161	5805 MHz
165	5825 MHz						

IEEE 802.11n (40MHz) - 5.8GHz

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

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. The variation of model number is for different strategy of marketing.
4. These test results on a sample of the device are for the purpose of demonstrating Compliance with Part 15 Subpart C Paragraph 15.247.
5. 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.
6. The function of the 5.2GHz transmitting is measured and makes a test report of the report number: 1490542R-RFUSP43V00.
7. This device is a composite device in accordance with Part 15 regulations. The receiving function receiving was tested and its test report number is 1490542R-RFUSP01V00 under Declaration of Conformity.
8. The different of the each Antenna shown as below:

Antenna Source	Antenna Model	Antenna Gain (2.4G)	Antenna Gain (5G)
Walsin	RFDPA141000SBLB812	2dBi	4dBi
Whayu	C660-510332-A	2dBi	4dBi
Walsin	RFDPA141000SBLB803	2dBi	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)	6/ 151	0+1+2	Complies
Peak Power Output	11a	149/ 157/ 165	0+1+2	Complies
	11b/g	1/ 6/ 11	0+1+2	Complies
	11n(20MHz)	1/ 6/ 11/ 149/ 157/ 165	0+1+2	Complies
	11n(40MHz)	3/ 6/ 9/ 151/ 159	0+1+2	Complies
Radiated Emission	11a	149/ 157/ 165	0+1+2	Complies
	11b/g	1/ 6/ 11	0+1+2	Complies
	11n(20MHz)	1/ 6/ 11/ 149/ 157/ 165	0+1+2	Complies
	11n(40MHz)	3/ 6/ 9/ 151/ 159	0+1+2	Complies
RF antenna conducted test	11a	149/ 165	0/1/2	Complies
	11b/g	1/ 11	0/1/2	Complies
	11n(20MHz)	1/ 11/ 149/ 165	0/1/2	Complies
	11n(40MHz)	3/ 9/ 151/ 159	0/1/2	Complies
Radiated Emission Band Edge	11b/g	1/ 11	0+1+2	Complies
	11n(20MHz)	1/ 11	0+1+2	Complies
	11n(40MHz)	3/ 9	0+1+2	Complies
Occupied Bandwidth	11a	149/ 157/ 165	0/1/2	Complies
	11b/g	1/ 6/ 11	0/1/2	Complies
	11n(20MHz)	1/ 6/ 11/ 149/ 157/ 165	0/1/2	Complies
	11n(40MHz)	3/ 6/ 9/ 151/ 159	0/1/2	Complies
Power Density	11a	149/ 157/ 165	0+1+2	Complies
	11b/g	1/ 6/ 11	0+1+2	Complies
	11n(20MHz)	1/ 6/ 11/ 149/ 157/ 165	0+1+2	Complies
	11n(40MHz)	3/ 6/ 9/ 151/ 159	0+1+2	Complies

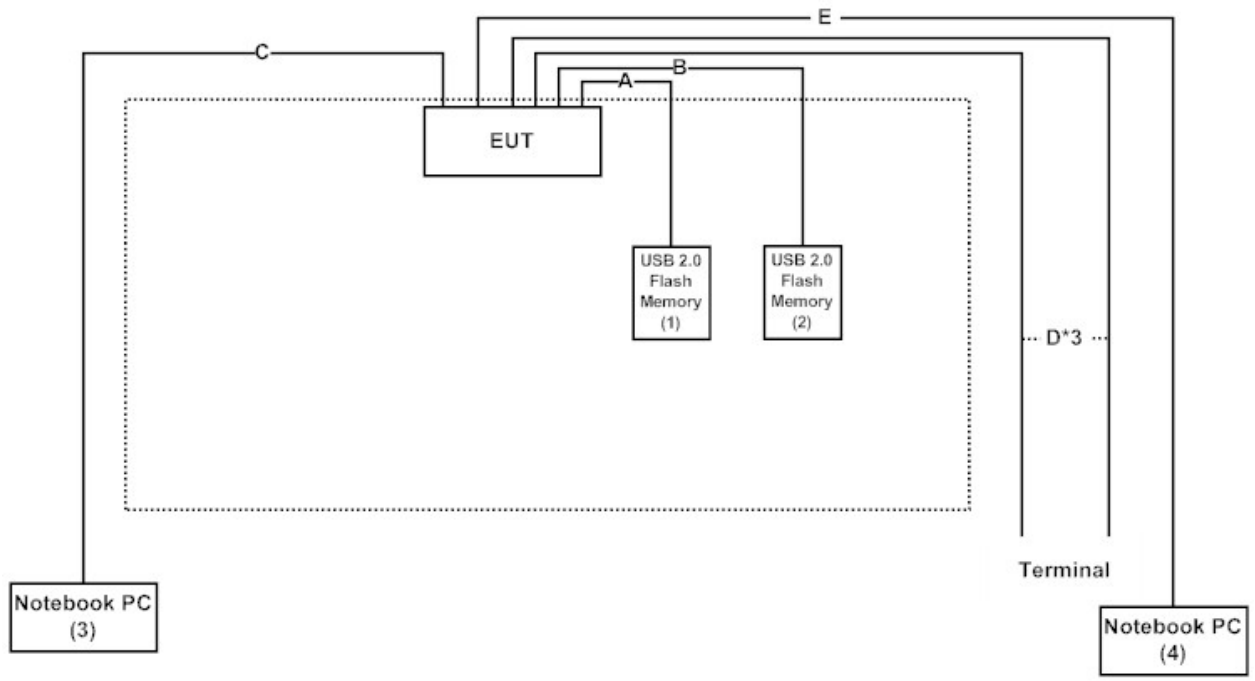
1.3. Tested System Details

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 C 15.207 Conducted Emission	15 - 35	20
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Peak Power Output	15 - 35	25
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Radiated Emission	15 - 35	25
Humidity (%RH)		25 - 75	65
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 RF antenna conducted test	15 - 35	25
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Band Edge	15 - 35	25
Humidity (%RH)		25 - 75	48
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Occupied Bandwidth	15 - 35	25
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Power Density	15 - 35	25
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000

2. Conducted Emission

2.1. Test Equipment

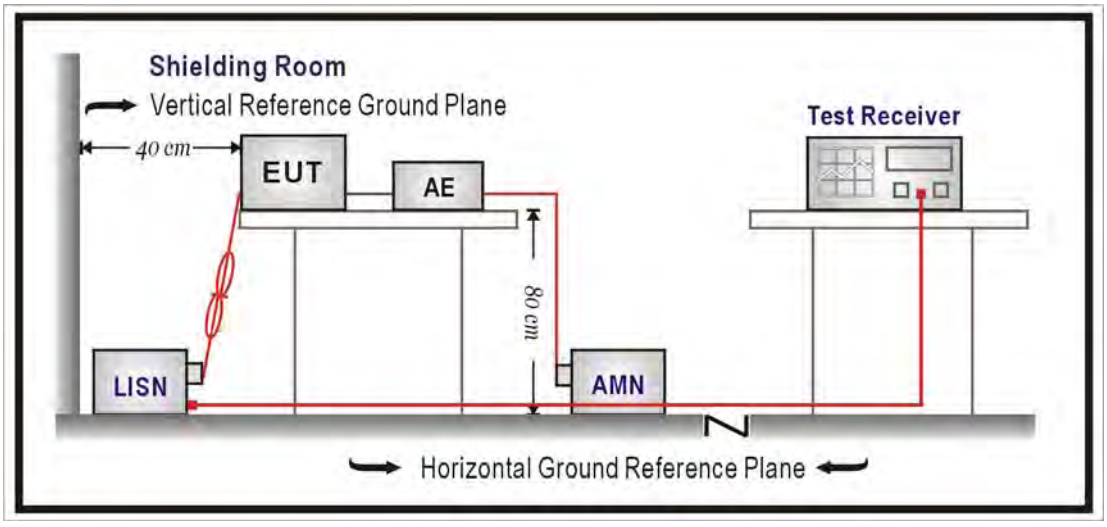
The following test equipments are used during the test:

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 and tested according to DTS test procedure of KDB558074 for compliance to FCC 47CFR 15.247 requirements.
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

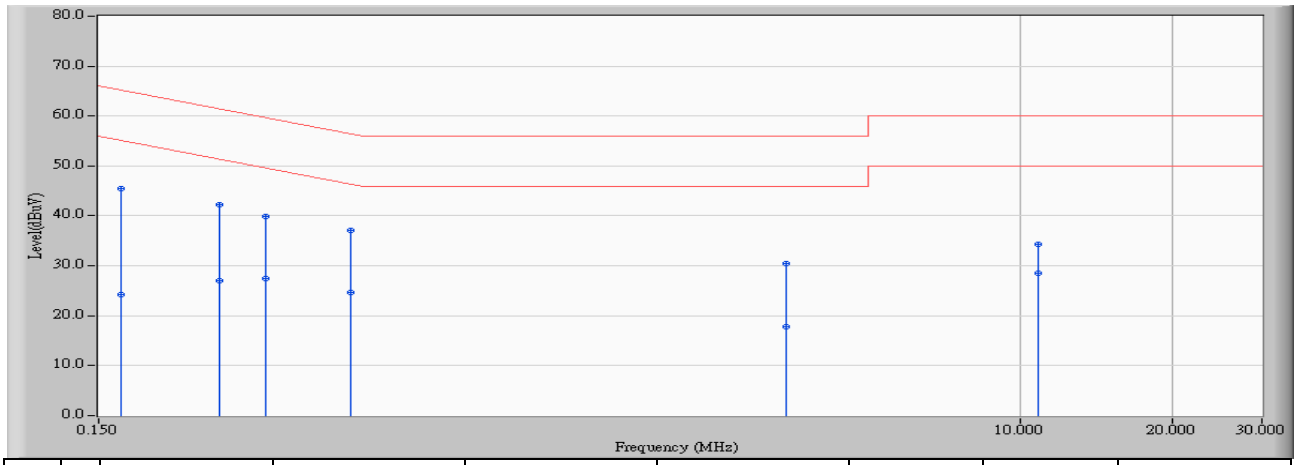
According to FCC Part 15 Subpart C Paragraph 15.207: 2013

2.6. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

2.7. Test Result

Site : SR2	**Time : 2015/01/26 - 16:30**
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)_2437MHz**

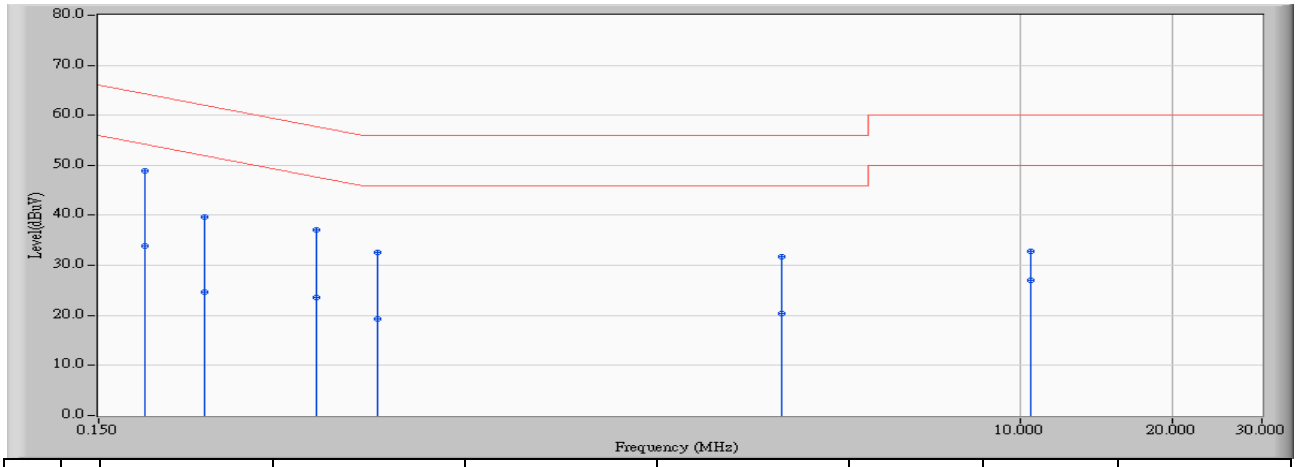


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.166	9.760	35.660	45.420	-19.757	65.177	QUASIPEAK
2		0.166	9.760	14.510	24.270	-30.907	55.177	AVERAGE
3	*	0.259	9.757	32.550	42.307	-19.144	61.451	QUASIPEAK
4		0.259	9.757	17.350	27.107	-24.344	51.451	AVERAGE
5		0.322	9.754	30.120	39.874	-19.784	59.658	QUASIPEAK
6		0.322	9.754	17.770	27.524	-22.134	49.658	AVERAGE
7		0.474	9.751	27.400	37.151	-19.288	56.440	QUASIPEAK
8		0.474	9.751	14.810	24.561	-21.878	46.440	AVERAGE
9		3.443	9.890	20.630	30.520	-25.480	56.000	QUASIPEAK
10		3.443	9.890	7.990	17.880	-28.120	46.000	AVERAGE
11		10.795	10.114	24.210	34.324	-25.676	60.000	QUASIPEAK
12		10.795	10.114	18.410	28.524	-21.476	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 - 16:33**
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)_2437MHz**

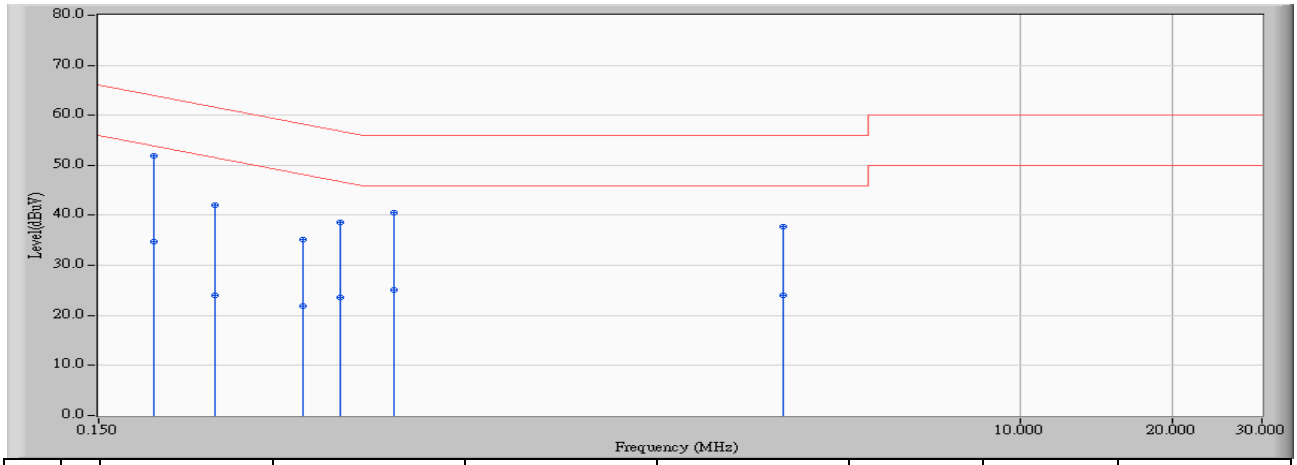


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.185	9.810	39.080	48.890	-15.361	64.251	QUASIPEAK
2		0.185	9.810	24.120	33.930	-20.321	54.251	AVERAGE
3		0.244	9.812	29.950	39.762	-22.205	61.967	QUASIPEAK
4		0.244	9.812	14.850	24.662	-27.305	51.967	AVERAGE
5		0.404	9.820	27.310	37.130	-20.643	57.773	QUASIPEAK
6		0.404	9.820	13.810	23.630	-24.143	47.773	AVERAGE
7		0.533	9.823	22.730	32.553	-23.447	56.000	QUASIPEAK
8		0.533	9.823	9.380	19.203	-26.797	46.000	AVERAGE
9		3.373	9.954	21.870	31.823	-24.177	56.000	QUASIPEAK
10		3.373	9.954	10.520	20.473	-25.527	46.000	AVERAGE
11		10.478	10.203	22.580	32.783	-27.217	60.000	QUASIPEAK
12		10.478	10.203	16.720	26.923	-23.077	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 - 15:01**
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)_2437MHz**

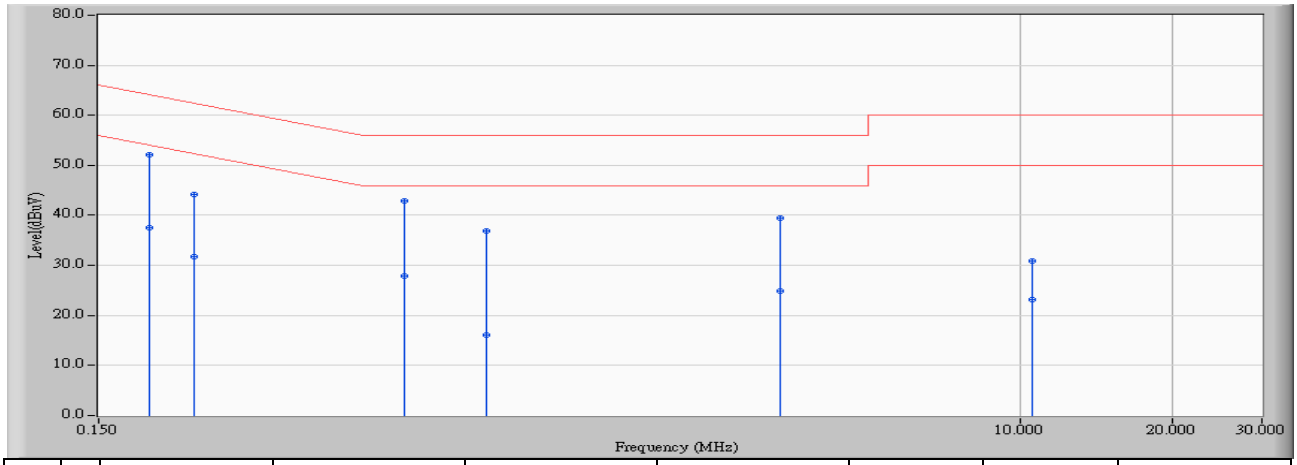


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.193	9.760	42.050	51.810	-12.098	63.908	QUASIPEAK
2		0.193	9.760	25.060	34.820	-19.088	53.908	AVERAGE
3		0.255	9.757	32.290	42.047	-19.530	61.577	QUASIPEAK
4		0.255	9.757	14.240	23.997	-27.580	51.577	AVERAGE
5		0.380	9.751	25.460	35.211	-23.058	58.269	QUASIPEAK
6		0.380	9.751	12.030	21.781	-26.488	48.269	AVERAGE
7		0.451	9.751	28.880	38.631	-18.230	56.861	QUASIPEAK
8		0.451	9.751	13.780	23.531	-23.330	46.861	AVERAGE
9		0.576	9.761	30.750	40.511	-15.489	56.000	QUASIPEAK
10		0.576	9.761	15.270	25.031	-20.969	46.000	AVERAGE
11		3.380	9.887	27.840	37.727	-18.273	56.000	QUASIPEAK
12		3.380	9.887	14.060	23.947	-22.053	46.000	AVERAGE

Note:

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

Site : SR2	**Time : 2015/01/26 - 15:07**
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)_2437MHz**

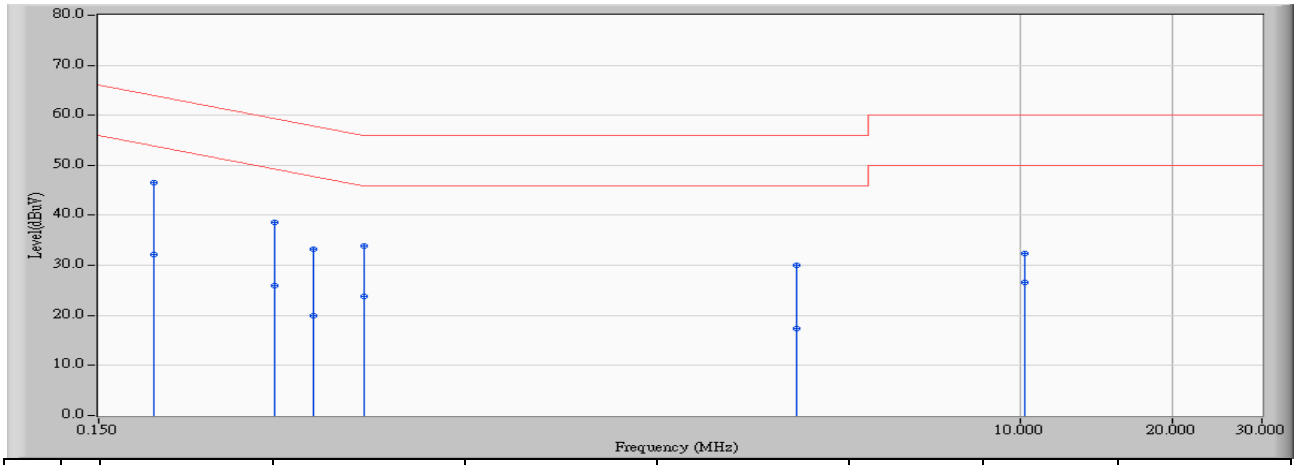


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.189	9.810	42.350	52.160	-11.918	64.078	QUASIPEAK
2		0.189	9.810	27.650	37.460	-16.618	54.078	AVERAGE
3		0.232	9.811	34.340	44.151	-18.235	62.386	QUASIPEAK
4		0.232	9.811	21.860	31.671	-20.715	52.386	AVERAGE
5		0.603	9.830	33.000	42.830	-13.170	56.000	QUASIPEAK
6		0.603	9.830	18.070	27.900	-18.100	46.000	AVERAGE
7		0.877	9.858	27.070	36.928	-19.072	56.000	QUASIPEAK
8		0.877	9.858	6.320	16.178	-29.822	46.000	AVERAGE
9		3.353	9.953	29.570	39.522	-16.478	56.000	QUASIPEAK
10		3.353	9.953	14.850	24.802	-21.198	46.000	AVERAGE
11		10.556	10.205	20.690	30.895	-29.105	60.000	QUASIPEAK
12		10.556	10.205	12.900	23.105	-26.895	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 - 16:44**
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)_5795MHz**

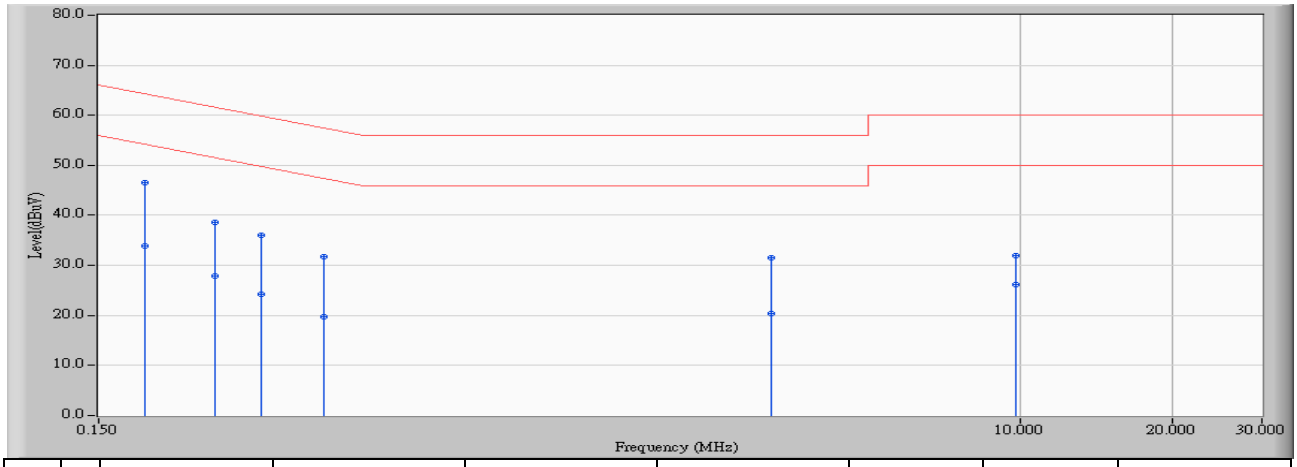


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.193	9.760	36.690	46.450	-17.458	63.908	QUASIPEAK
2		0.193	9.760	22.470	32.230	-21.678	53.908	AVERAGE
3		0.334	9.753	28.860	38.613	-20.748	59.361	QUASIPEAK
4		0.334	9.753	16.210	25.963	-23.398	49.361	AVERAGE
5		0.400	9.750	23.470	33.220	-24.633	57.853	QUASIPEAK
6		0.400	9.750	10.220	19.970	-27.883	47.853	AVERAGE
7		0.502	9.753	24.210	33.963	-22.037	56.000	QUASIPEAK
8		0.502	9.753	13.980	23.733	-22.267	46.000	AVERAGE
9		3.603	9.897	20.220	30.117	-25.883	56.000	QUASIPEAK
10		3.603	9.897	7.510	17.407	-28.593	46.000	AVERAGE
11		10.166	10.103	22.310	32.413	-27.587	60.000	QUASIPEAK
12		10.166	10.103	16.540	26.643	-23.357	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 - 16:48**
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)_5795MHz**

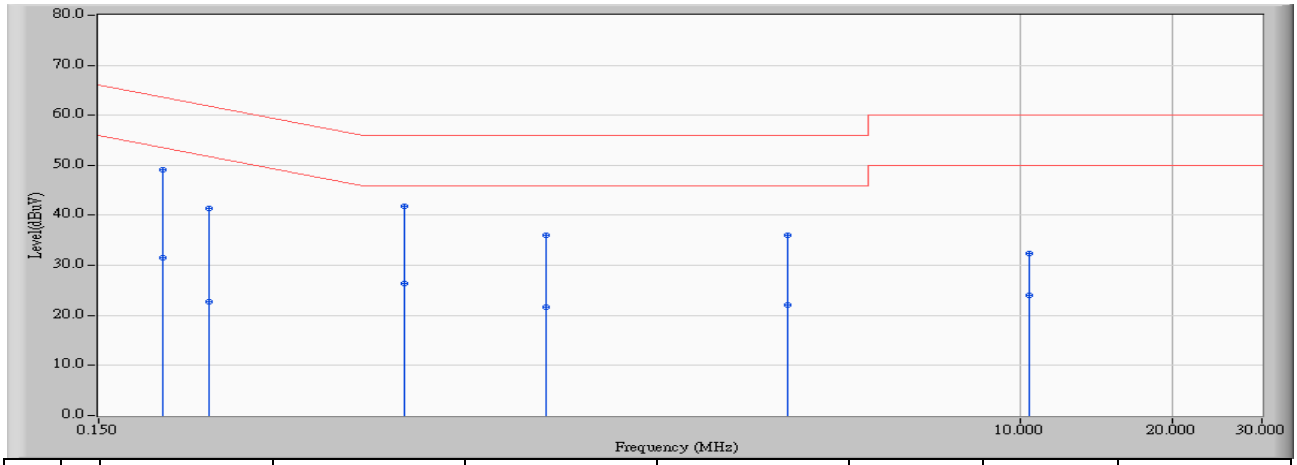


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.185	9.810	36.630	46.440	-17.811	64.251	QUASIPEAK
2		0.185	9.810	24.050	33.860	-20.391	54.251	AVERAGE
3		0.255	9.813	28.860	38.673	-22.905	61.577	QUASIPEAK
4		0.255	9.813	18.170	27.983	-23.595	51.577	AVERAGE
5		0.314	9.816	26.220	36.036	-23.827	59.862	QUASIPEAK
6		0.314	9.816	14.510	24.326	-25.537	49.862	AVERAGE
7		0.420	9.820	22.000	31.820	-25.637	57.457	QUASIPEAK
8		0.420	9.820	9.970	19.790	-27.667	47.457	AVERAGE
9		3.201	9.944	21.600	31.544	-24.456	56.000	QUASIPEAK
10		3.201	9.944	10.520	20.464	-25.536	46.000	AVERAGE
11		9.748	10.182	21.800	31.983	-28.017	60.000	QUASIPEAK
12		9.748	10.182	15.910	26.093	-23.907	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 - 15:24**
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)_5795MHz**

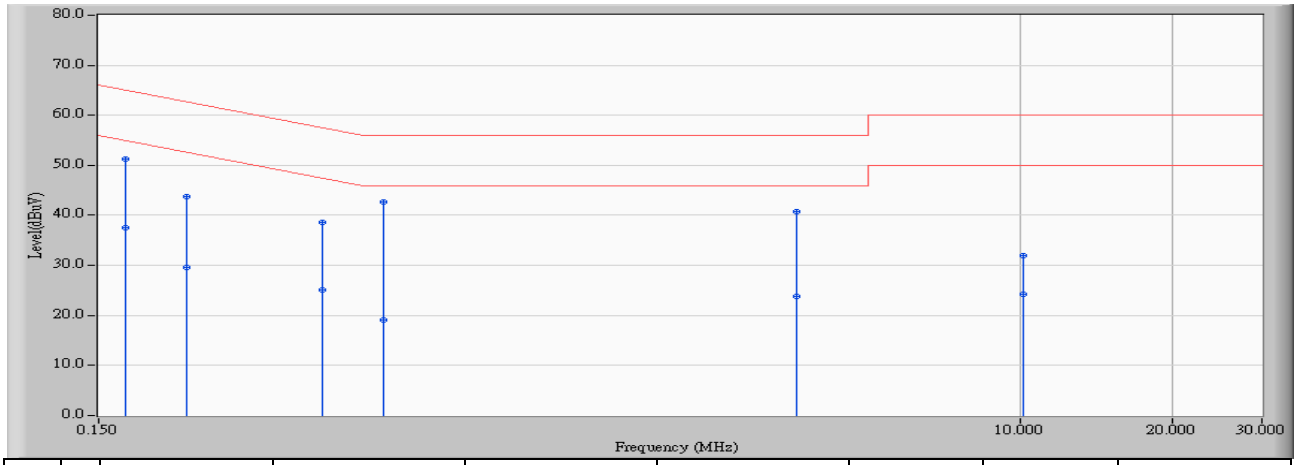


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.201	9.760	39.280	49.040	-14.539	63.578	QUASIPEAK
2		0.201	9.760	21.860	31.620	-21.959	53.578	AVERAGE
3		0.248	9.758	31.610	41.368	-20.468	61.835	QUASIPEAK
4		0.248	9.758	13.050	22.808	-29.028	51.835	AVERAGE
5	*	0.603	9.763	31.960	41.724	-14.276	56.000	QUASIPEAK
6		0.603	9.763	16.560	26.324	-19.676	46.000	AVERAGE
7		1.154	9.812	26.240	36.052	-19.948	56.000	QUASIPEAK
8		1.154	9.812	11.830	21.642	-24.358	46.000	AVERAGE
9		3.459	9.890	26.040	35.931	-20.069	56.000	QUASIPEAK
10		3.459	9.890	12.150	22.041	-23.959	46.000	AVERAGE
11		10.427	10.107	22.340	32.447	-27.553	60.000	QUASIPEAK
12		10.427	10.107	13.940	24.047	-25.953	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 - 15:28**
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)_5795MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.170	9.810	41.510	51.320	-13.663	64.983	QUASIPEAK
2		0.170	9.810	27.660	37.470	-17.513	54.983	AVERAGE
3		0.224	9.811	33.910	43.721	-18.940	62.661	QUASIPEAK
4		0.224	9.811	19.760	29.571	-23.090	52.661	AVERAGE
5		0.416	9.820	28.700	38.520	-19.015	57.535	QUASIPEAK
6		0.416	9.820	15.250	25.070	-22.465	47.535	AVERAGE
7	*	0.548	9.825	32.810	42.635	-13.365	56.000	QUASIPEAK
8		0.548	9.825	9.300	19.125	-26.875	46.000	AVERAGE
9		3.611	9.966	30.680	40.646	-15.354	56.000	QUASIPEAK
10		3.611	9.966	13.790	23.756	-22.244	46.000	AVERAGE
11		10.123	10.193	21.660	31.853	-28.147	60.000	QUASIPEAK
12		10.123	10.193	14.040	24.233	-25.767	50.000	AVERAGE

Note:

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

3. Peak Power Output

3.1. Test Equipment

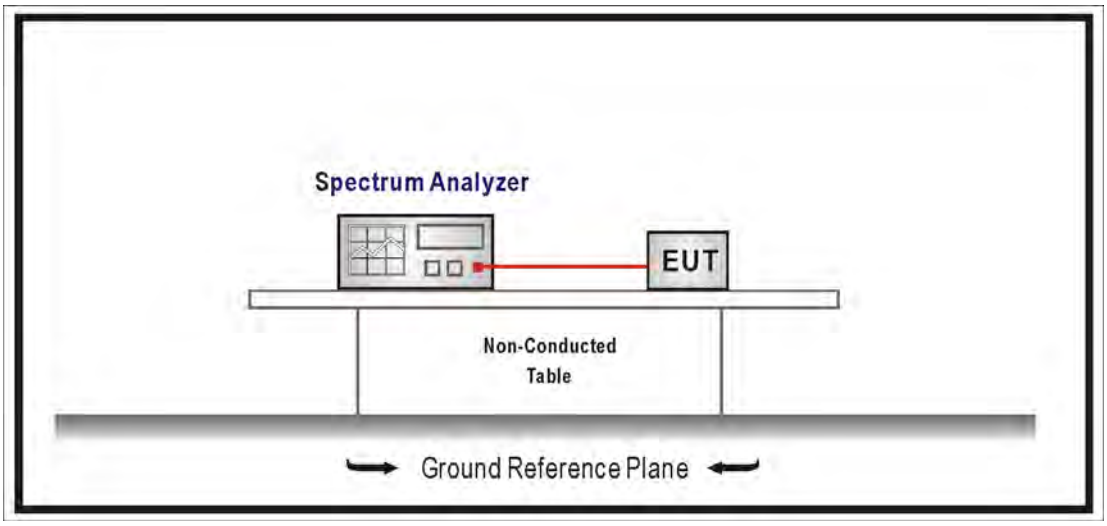
The following test equipments are used during the test:

Peak Power 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.

3.2. Test Setup



3.3. Test procedures

The EUT was tested according to DTS test procedure section 9.1.2 of KDB558074 v03r02 measurement to FCC 47CFR 15.247 requirements.

3.4. Limits

The maximum peak power shall be less 1 Watt.

3.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2013

3.6. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB.

3.7. Test Result

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

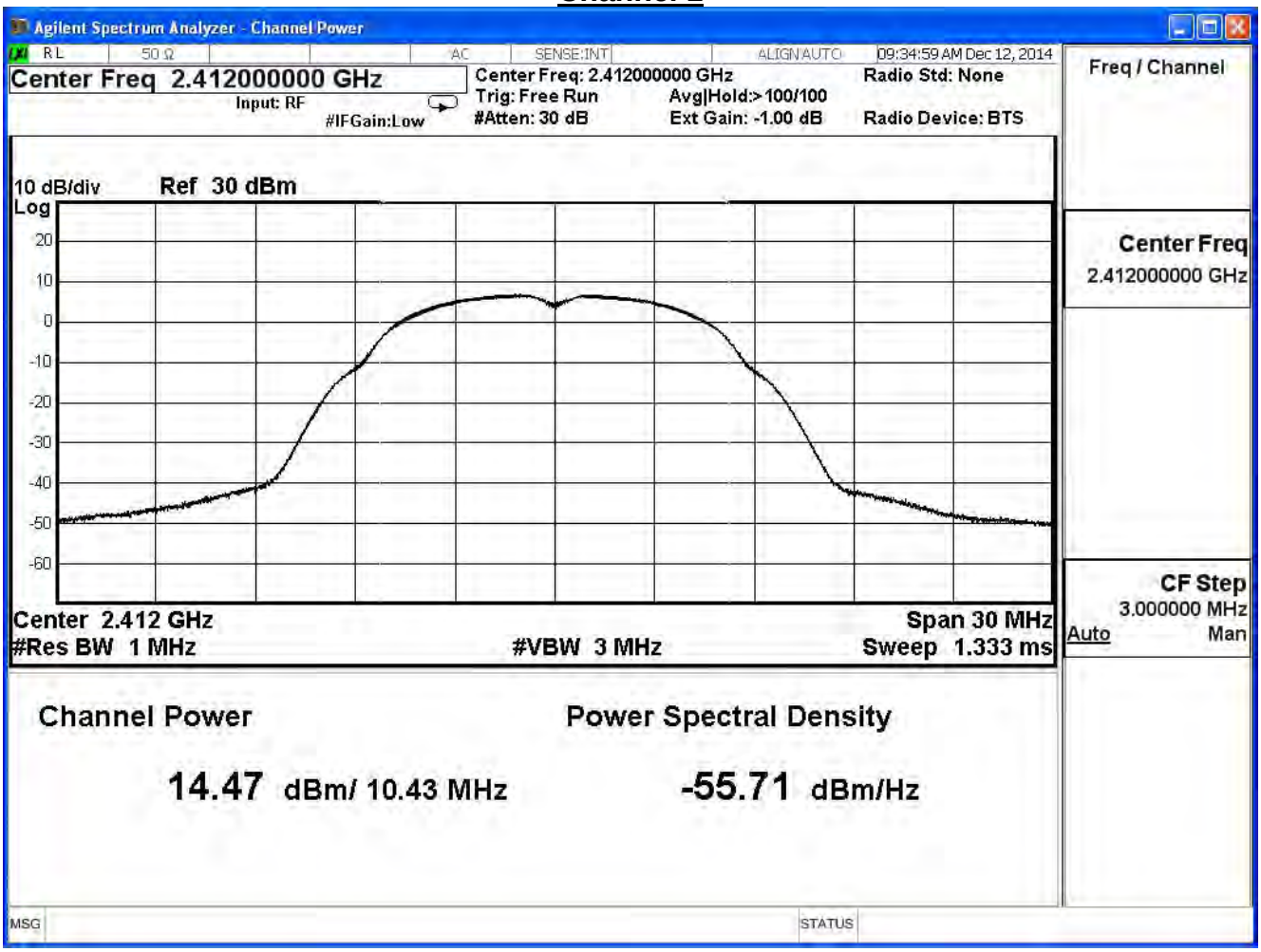
IEEE 802.11b (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	14.47	≦30	Pass
6	2437	17.01	≦30	Pass
11	2462	14.81	≦30	Pass

The worst emission of data rate is 1Mbps.

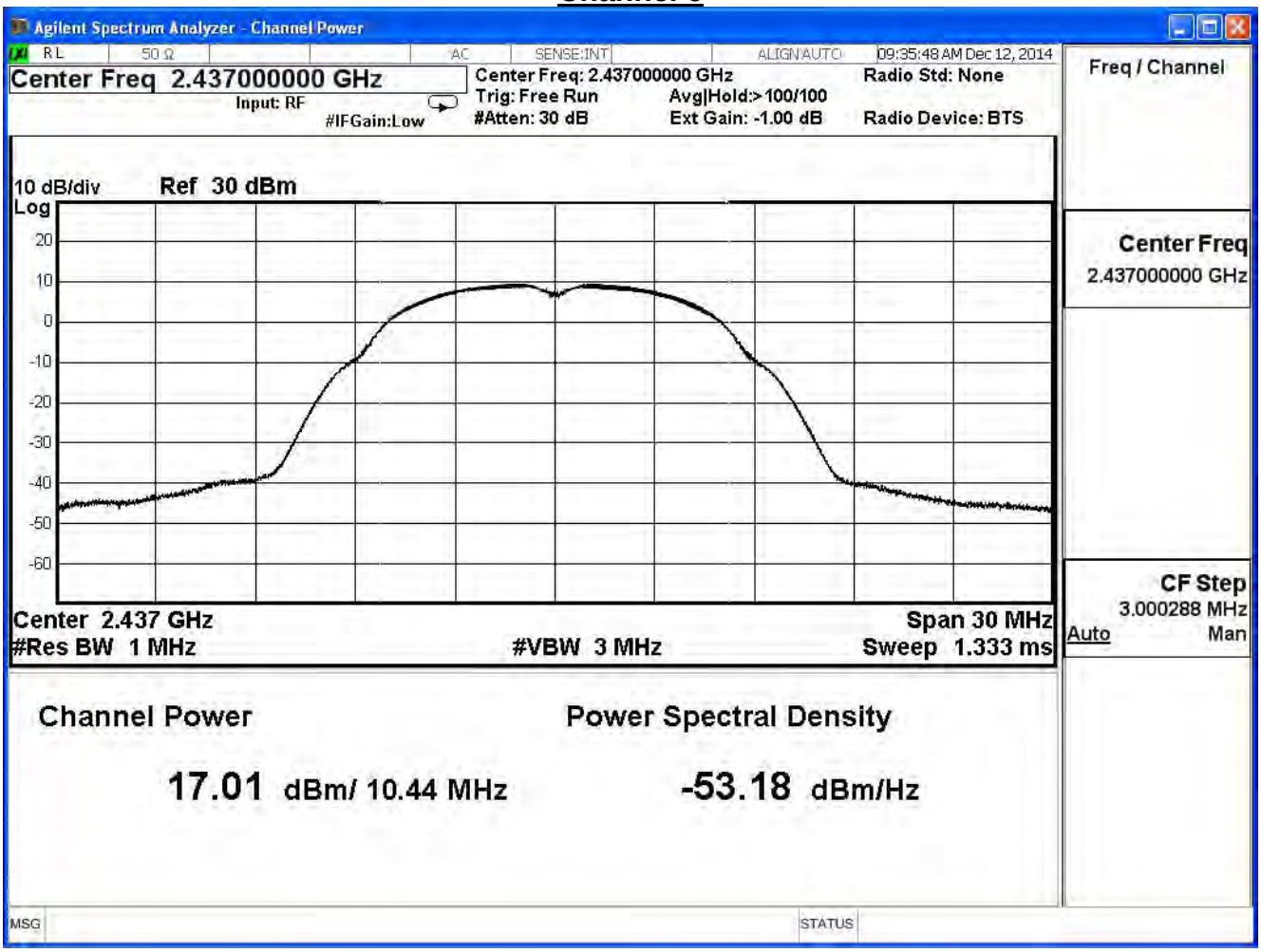
Peak Power Output (dBm)						
Channel No	Frequency (MHz)	Data Rate (Mbps)				Required Limit
		1	2	5.5	11	
1	2412	14.47	--	--	--	1 Watt=30dBm
6	2437	17.01	16.90	16.80	16.60	1 Watt=30dBm
11	2462	14.81	--	--	--	1 Watt=30dBm

Note: Measure Level =Reading value + cable loss

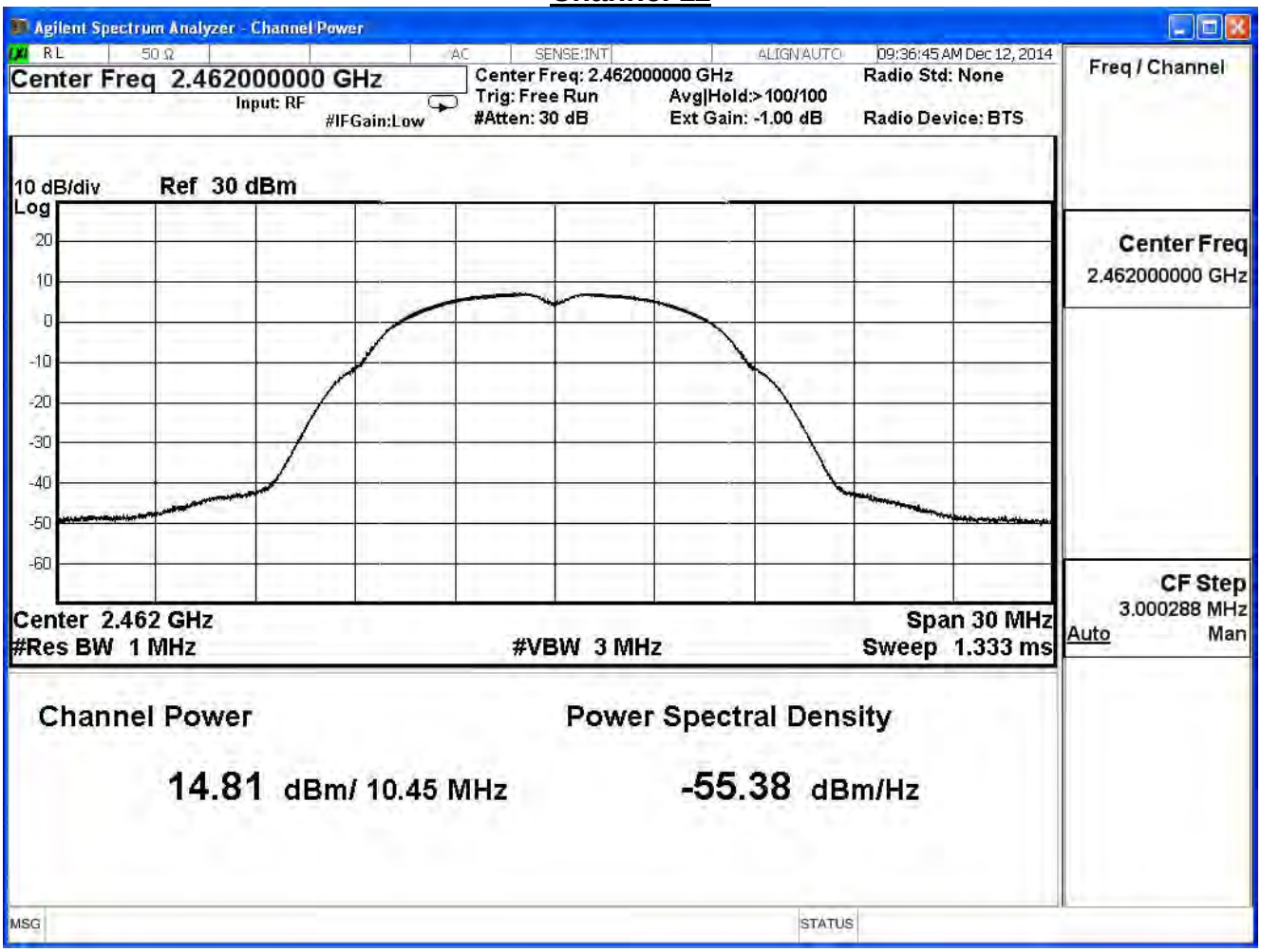
Channel 1


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:34:59 AM Dec 12, 2014
Center Freq 2.412000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.412000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.412000000 GHz
Center 2.412 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
14.47 dBm/ 10.43 MHz
Power Spectral Density
-55.71 dBm/Hz
MSG
STATUS

Channel 6


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:35:48 AM Dec 12, 2014
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Ref 30 dBm
Log
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000288 MHz
Auto
Man
Channel Power
17.01 dBm/ 10.44 MHz
Power Spectral Density
-53.18 dBm/Hz
MSG
STATUS

Channel 11


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:36:45 AM Dec 12, 2014
Center Freq 2.462000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000288 MHz
Auto
Man
Channel Power
14.81 dBm/ 10.45 MHz
Power Spectral Density
-55.38 dBm/Hz
MSG
STATUS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

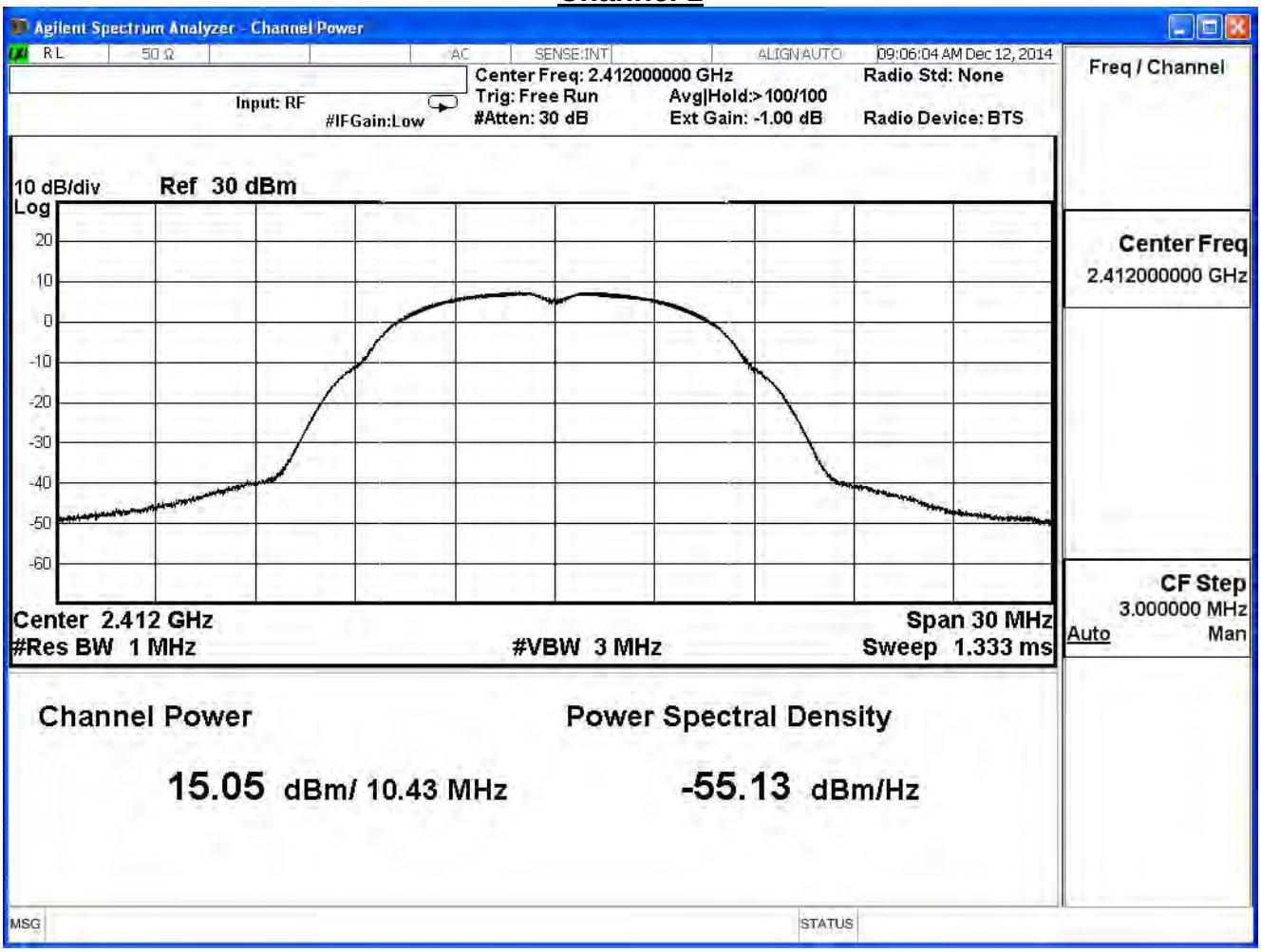
IEEE 802.11b (ANT 1)				
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
1	2412	15.05	≦30	Pass
6	2437	17.78	≦30	Pass
11	2462	15.73	≦30	Pass

The worst emission of data rate is 1Mbps.

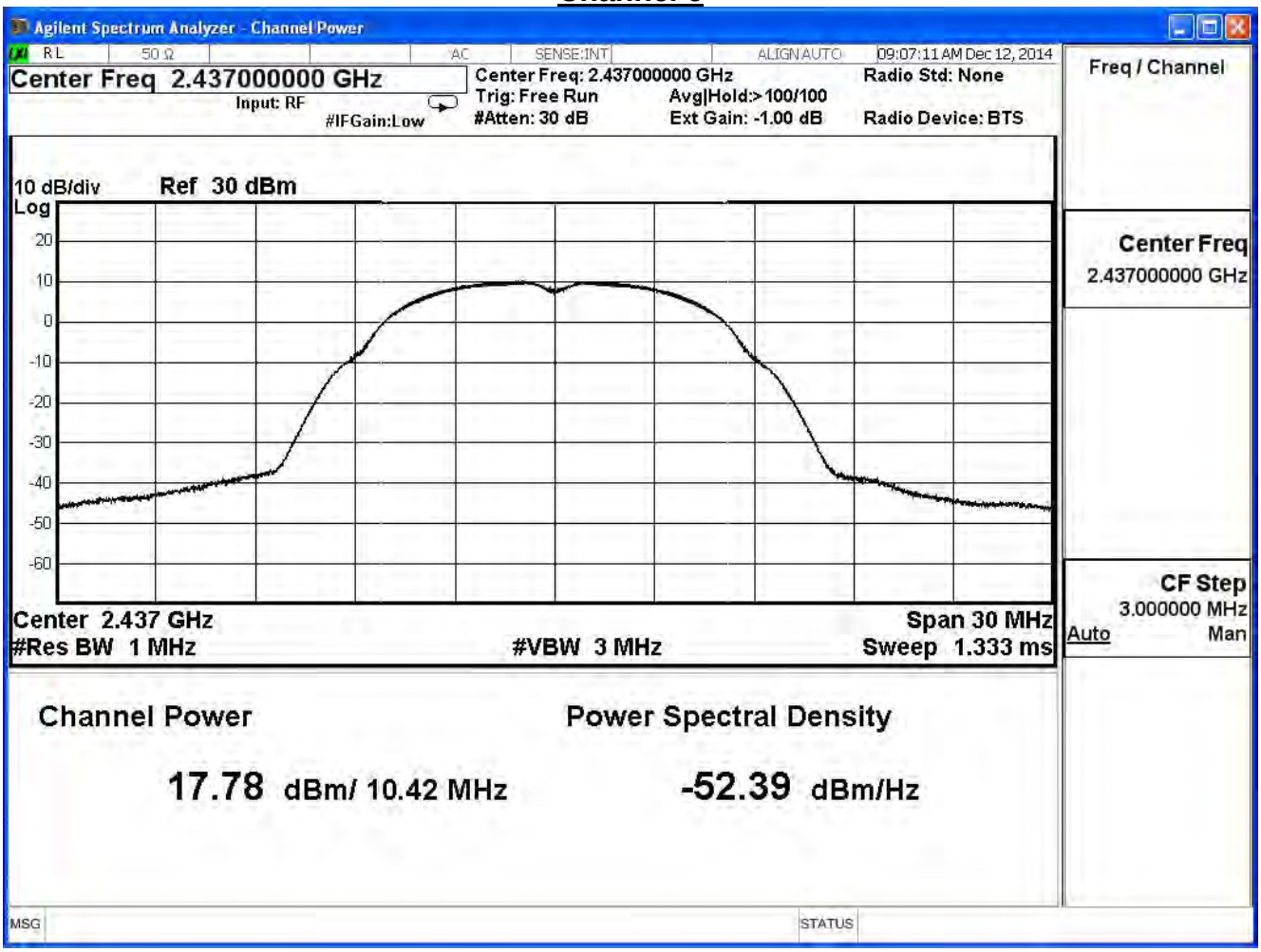
Peak Power Output (dBm)						
Channel No	Frequency (MHz)	Data Rate (Mbps)				Required Limit
		1	2	5.5	11	
1	2412	15.05	--	--	--	1 Watt=30dBm
6	2437	17.78	17.58	17.34	17.14	1 Watt=30dBm
11	2462	15.73	--	--	--	1 Watt=30dBm

Note: Measure Level =Reading value + cable loss

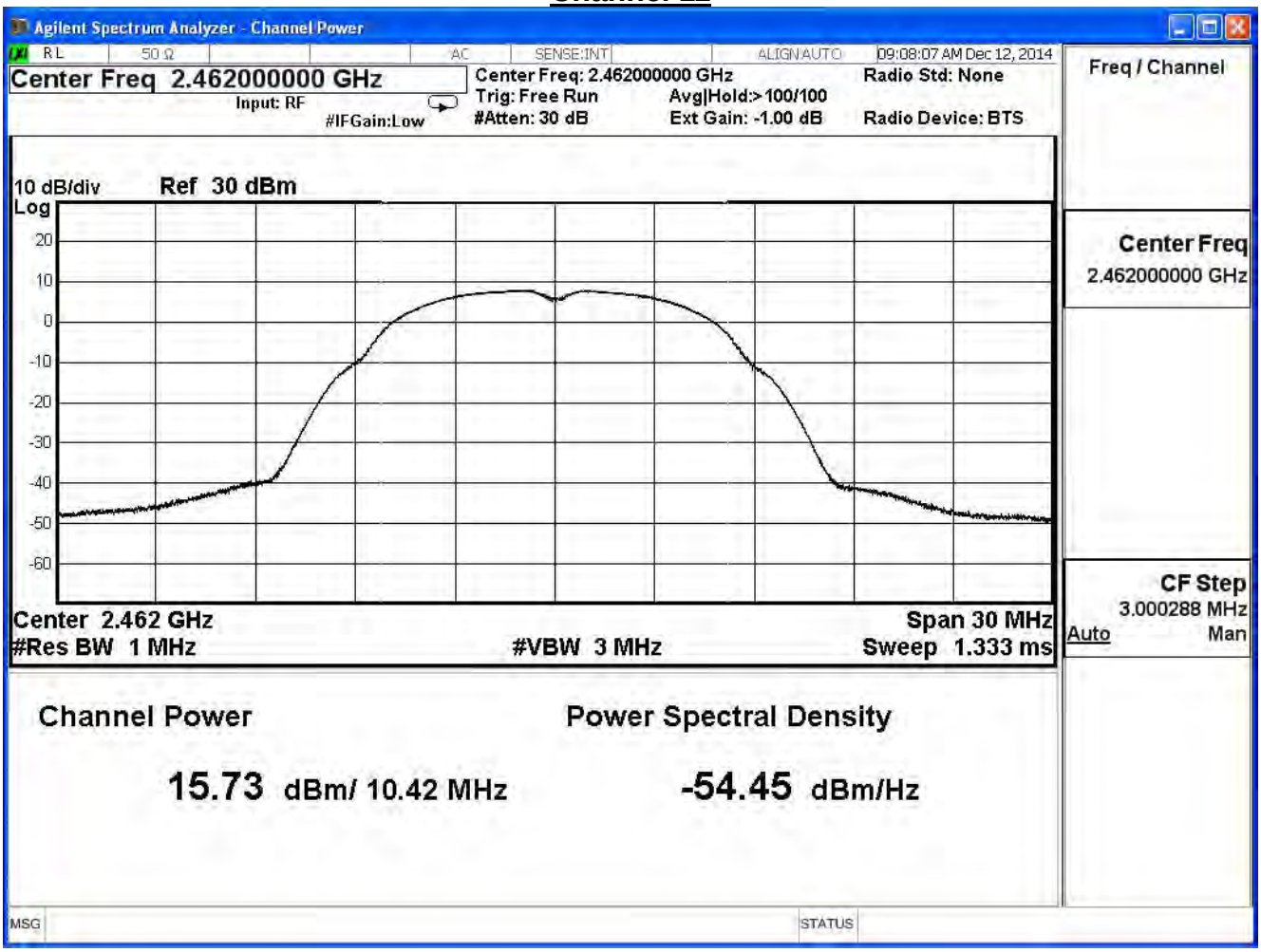
Channel 1


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:06:04 AM Dec 12, 2014
Center Freq: 2.412000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Input: RF
#IFGain:Low
Freq / Channel
10 dB/div
Ref 30 dBm
Log
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.412000000 GHz
Center 2.412 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
15.05 dBm/ 10.43 MHz
Power Spectral Density
-55.13 dBm/Hz
MSG
STATUS

Channel 6


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:07:11 AM Dec 12, 2014
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Ref 30 dBm
Log
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
17.78 dBm/ 10.42 MHz
Power Spectral Density
-52.39 dBm/Hz
MSG
STATUS

Channel 11


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:08:07 AM Dec 12, 2014
Center Freq 2.462000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000288 MHz
Auto
Man
Channel Power
15.73 dBm/ 10.42 MHz
Power Spectral Density
-54.45 dBm/Hz
MSG
STATUS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

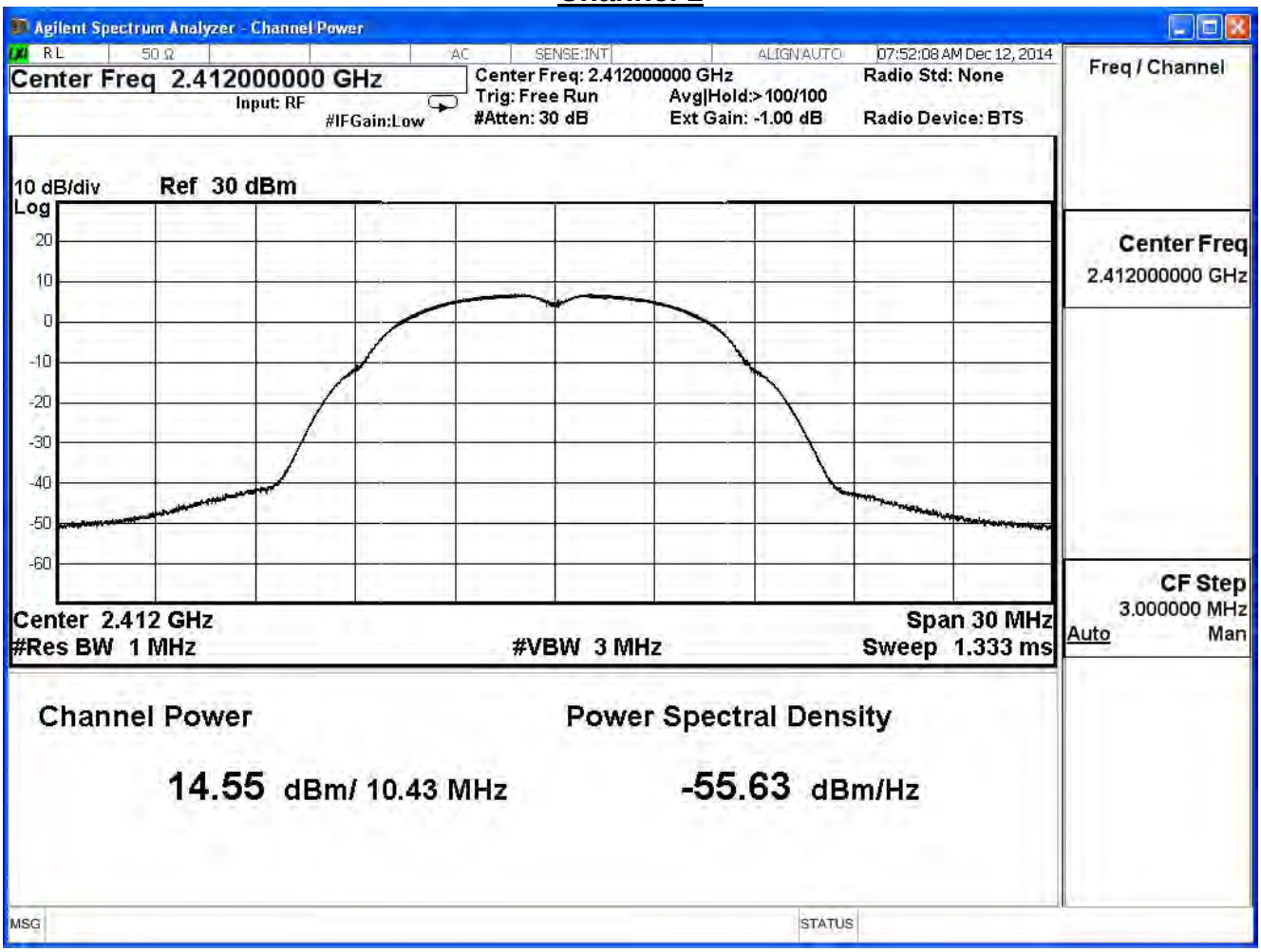
IEEE 802.11b (ANT 2)				
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
1	2412	14.55	≦30	Pass
6	2437	17.31	≦30	Pass
11	2462	15.29	≦30	Pass

The worst emission of data rate is 1Mbps.

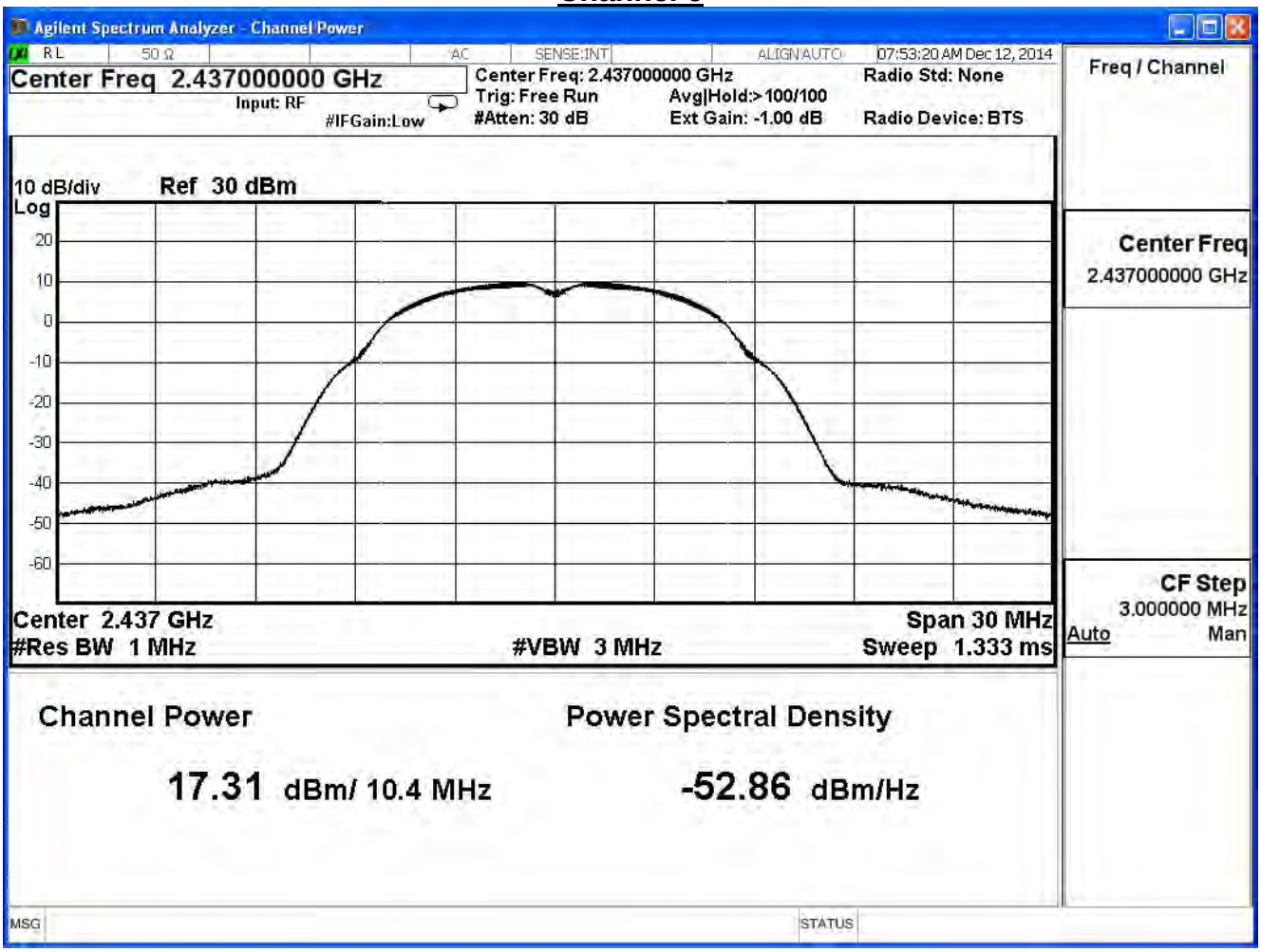
Peak Power Output (dBm)						
Channel No	Frequency (MHz)	Data Rate (Mbps)				Required Limit
		1	2	5.5	11	
1	2412	14.55	--	--	--	1 Watt=30dBm
6	2437	17.31	17.21	17.11	16.99	1 Watt=30dBm
11	2462	15.29	--	--	--	1 Watt=30dBm

Note: Measure Level =Reading value + cable loss

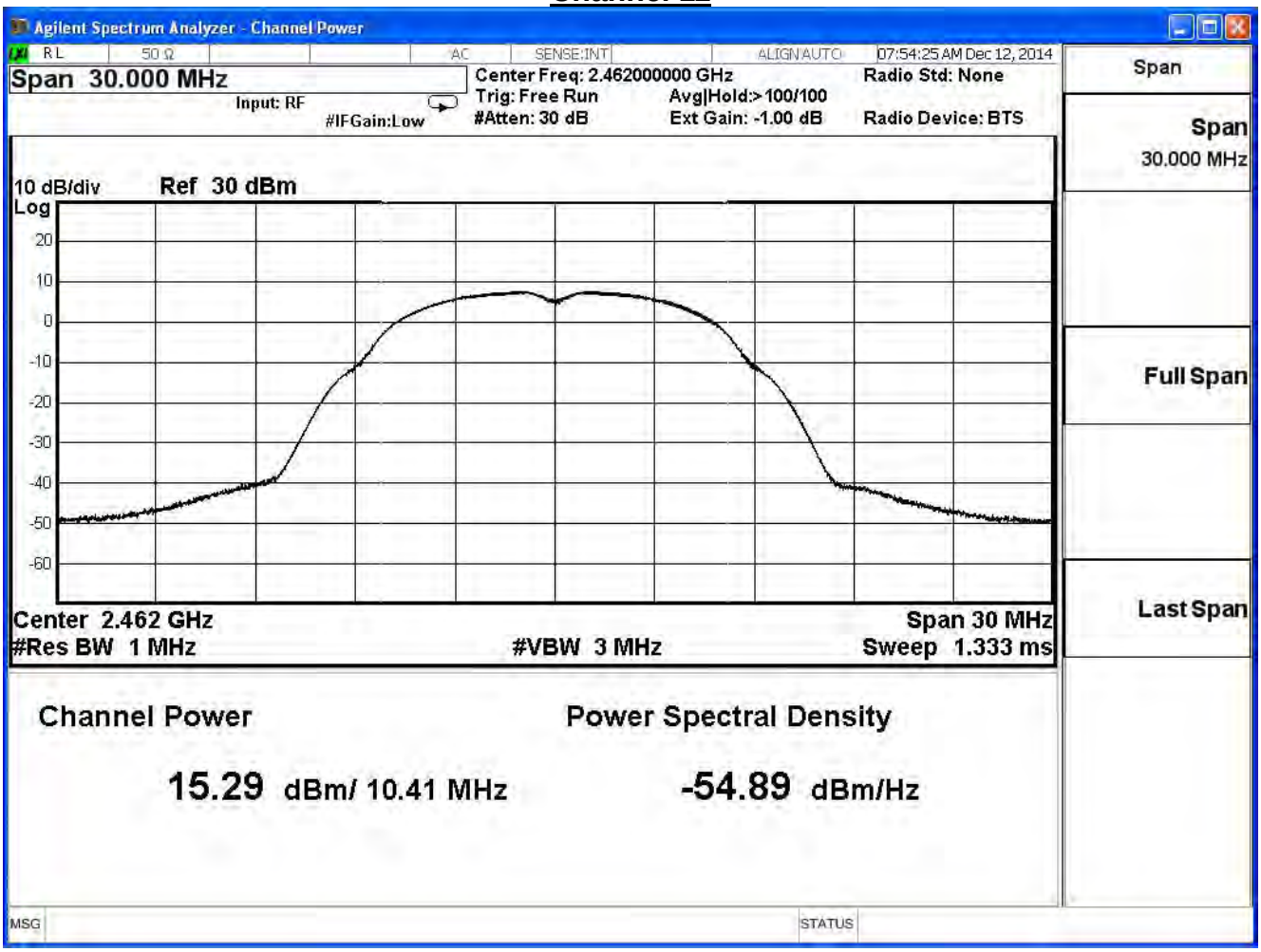
Channel 1


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:52:08 AM Dec 12, 2014
Center Freq 2.412000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.412000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Ref 30 dBm
Log
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.412000000 GHz
Center 2.412 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
14.55 dBm/ 10.43 MHz
Power Spectral Density
-55.63 dBm/Hz
MSG
STATUS

Channel 6


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:53:20 AM Dec 12, 2014
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Ref 30 dBm
Log
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
17.31 dBm/ 10.4 MHz
Power Spectral Density
-52.86 dBm/Hz
MSG
STATUS

Channel 11


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:54:25 AM Dec 12, 2014
Span 30.000 MHz
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.462 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
Span
Span
30.000 MHz
Full Span
Last Span
Channel Power
15.29 dBm/ 10.41 MHz
Power Spectral Density
-54.89 dBm/Hz
MSG
STATUS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

IEEE 802.11b (ANT 0+1+2)

Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
1	2412	19.469	≦30	Pass
6	2437	22.150	≦30	Pass
11	2462	20.064	≦30	Pass

Peak Power Output (dBm)						
Channel No	Frequency (MHz)	Data Rate (Mbps)				Required Limit
		1	2	5.5	11	
1	2412	19.47	--	--	--	1 Watt=30dBm
6	2437	22.15	22.01	21.86	21.69	1 Watt=30dBm
11	2462	20.06	--	--	--	1 Watt=30dBm

Note: Measure Level =Reading value + cable loss

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

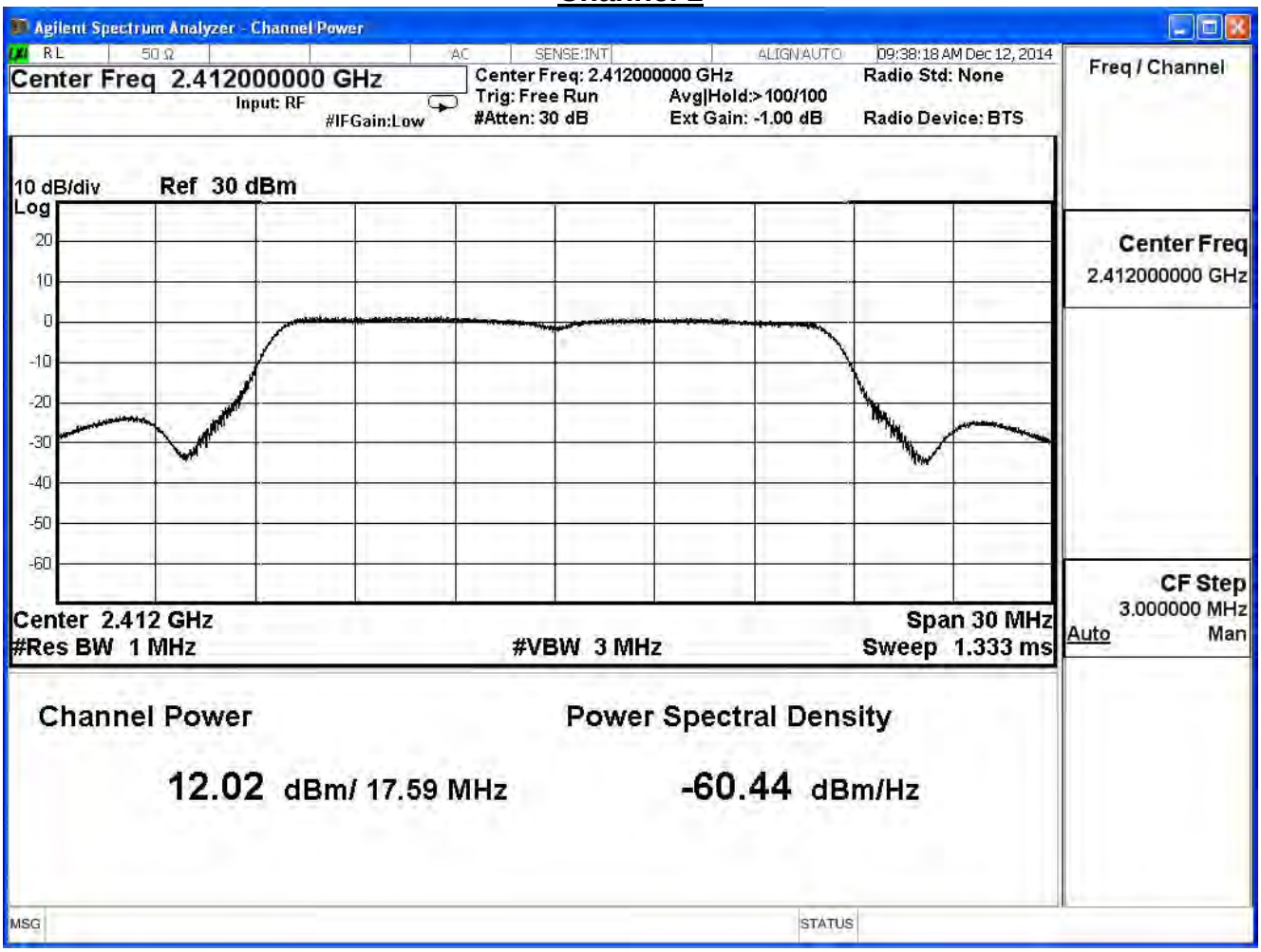
IEEE 802.11g (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	12.02	≦30	Pass
6	2437	19.43	≦30	Pass
11	2462	11.83	≦30	Pass

The worst emission of data rate is 6 Mbps.

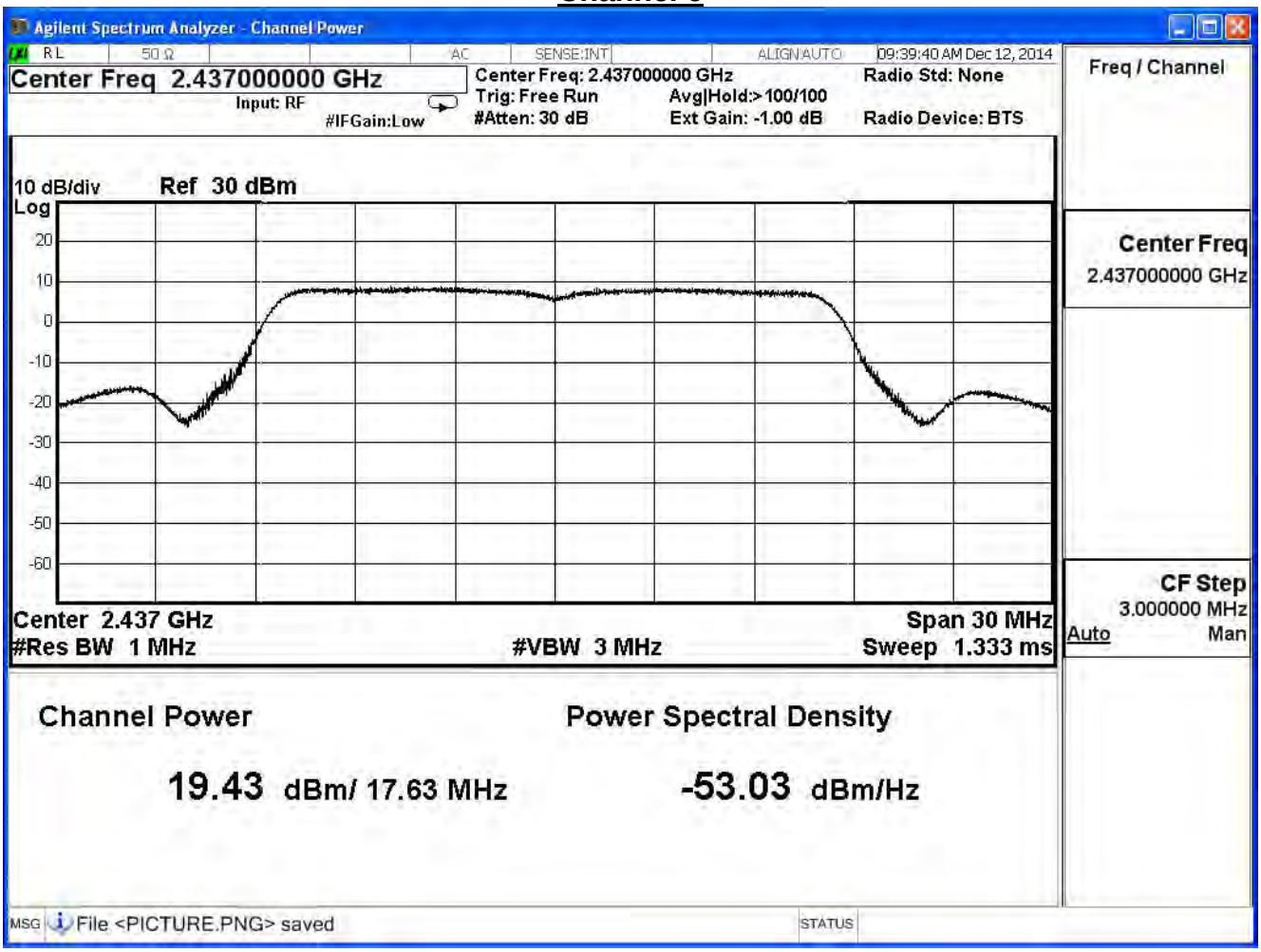
Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
1	2412	12.02	--	--	--	--	--	--	1 Watt=30dBm
6	2437	19.43	19.21	19.11	19.01	18.89	18.77	18.47	1 Watt=30dBm
11	2462	11.83	--	--	--	--	--	--	1 Watt=30dBm

Note: Measure Level =Reading value + cable loss

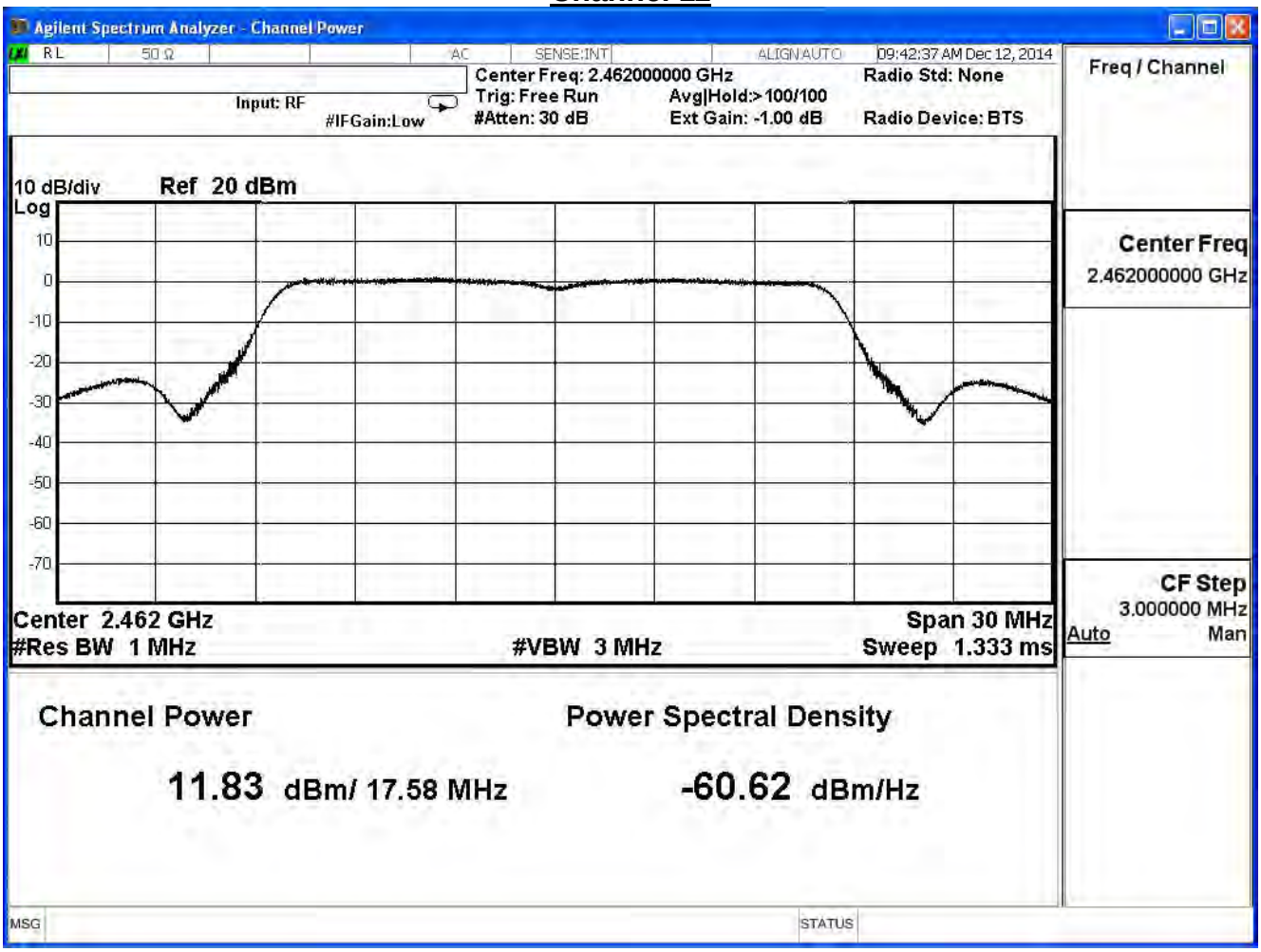
Channel 1


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:38:18 AM Dec 12, 2014
Center Freq 2.412000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.412000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.412000000 GHz
Center 2.412 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
12.02 dBm/ 17.59 MHz
Power Spectral Density
-60.44 dBm/Hz
MSG
STATUS

Channel 6


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:39:40 AM Dec 12, 2014
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Ref 30 dBm
Log
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
19.43 dBm/ 17.63 MHz
Power Spectral Density
-53.03 dBm/Hz
MSG
File <PICTURE.PNG> saved
STATUS

Channel 11


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:42:37 AM Dec 12, 2014
Center Freq: 2.462000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Input: RF
#IFGain:Low
Freq / Channel
10 dB/div
Ref 20 dBm
Log
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
11.83 dBm/ 17.58 MHz
Power Spectral Density
-60.62 dBm/Hz
MSG
STATUS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

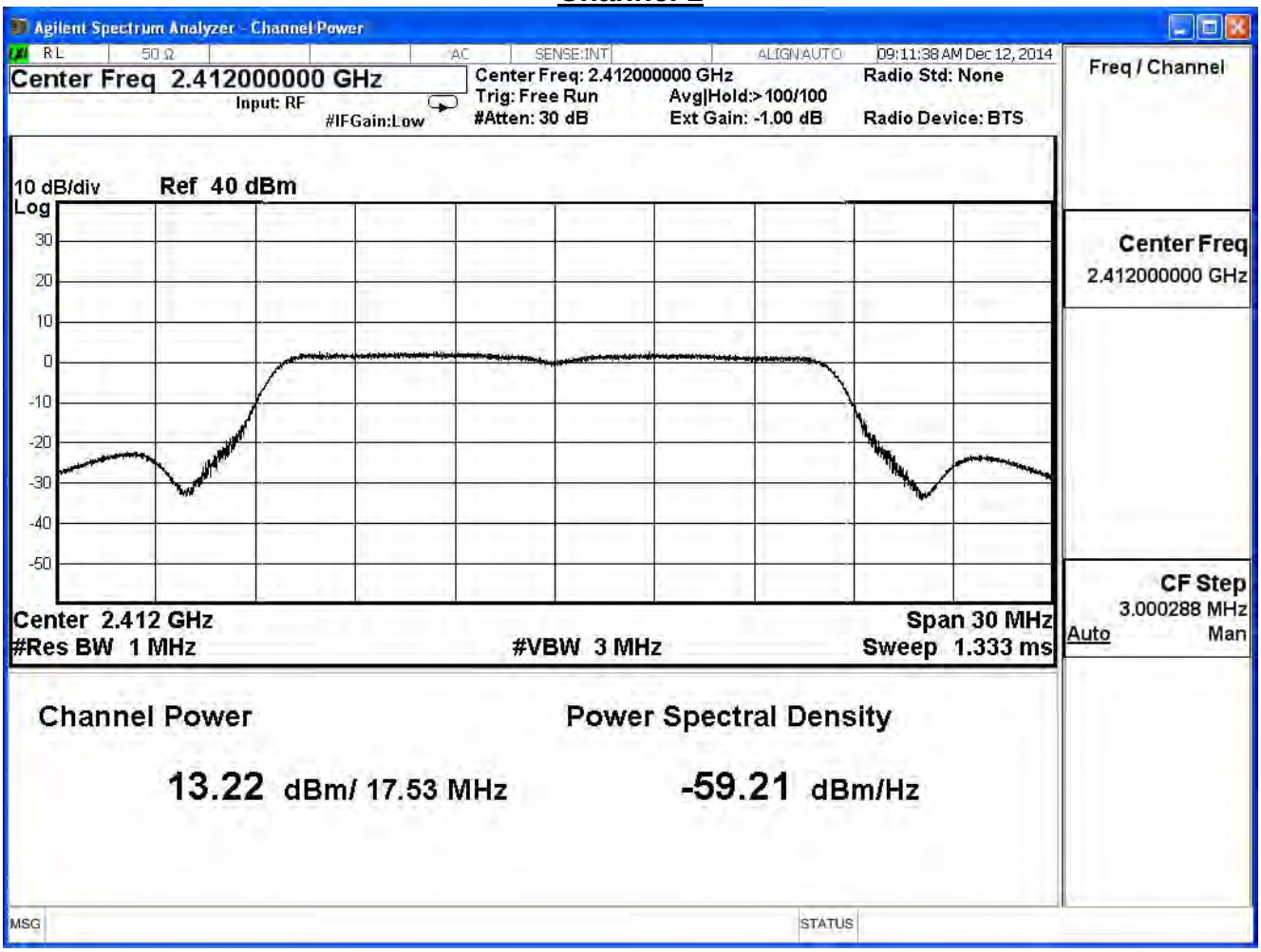
IEEE 802.11g (ANT 1)				
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
1	2412	13.22	≦30	Pass
6	2437	20.19	≦30	Pass
11	2462	12.54	≦30	Pass

The worst emission of data rate is 6 Mbps.

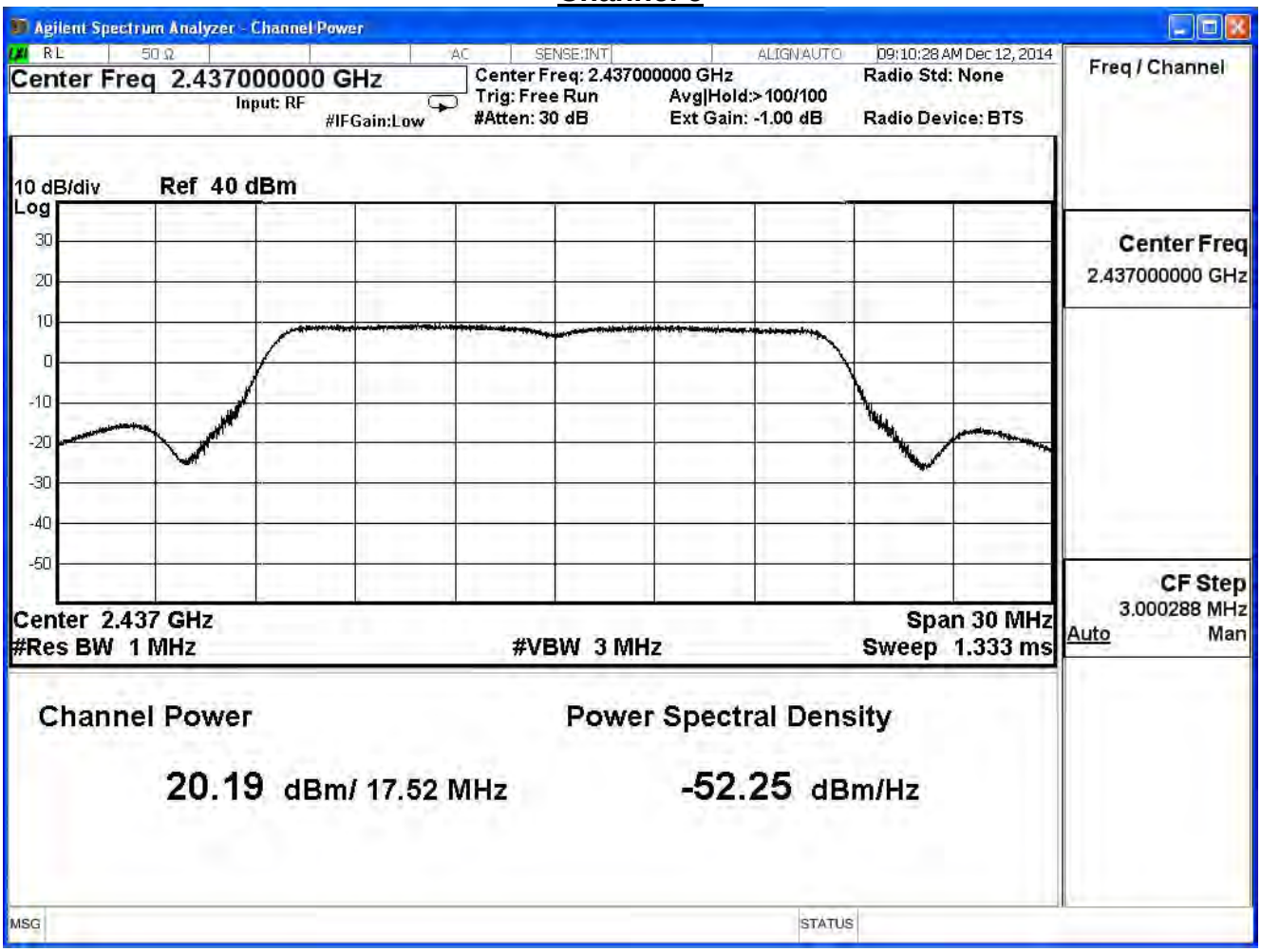
Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
1	2412	13.22	--	--	--	--	--	--	1 Watt=30dBm
6	2437	20.19	19.99	19.87	19.77	19.67	19.54	19.30	1 Watt=30dBm
11	2462	12.54	--	--	--	--	--	--	1 Watt=30dBm

Note: Measure Level =Reading value + cable loss

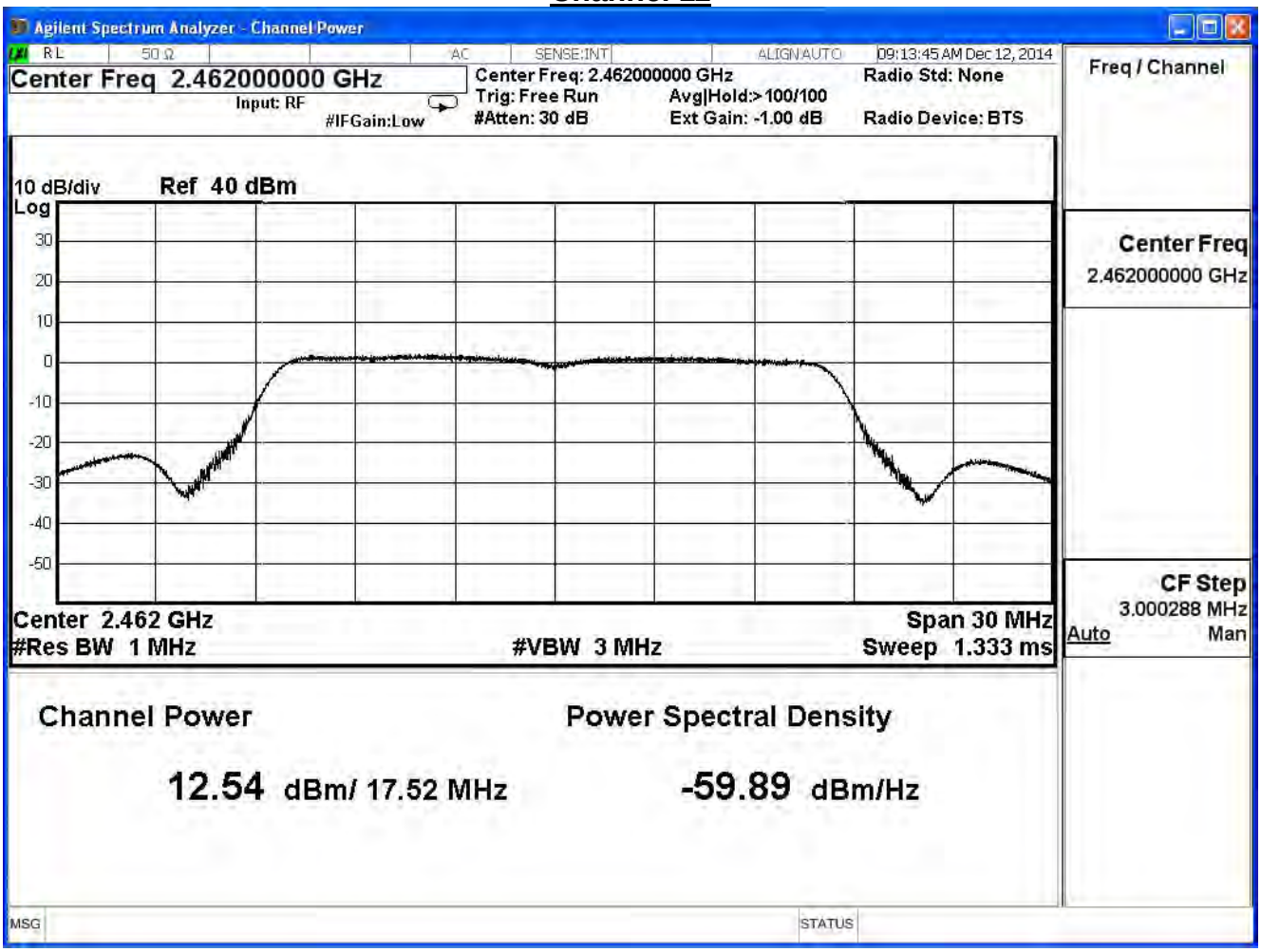
Channel 1


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:11:38 AM Dec 12, 2014
Center Freq 2.412000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.412000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
2.412000000 GHz
Center 2.412 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000288 MHz
Auto
Man
Channel Power
13.22 dBm/ 17.53 MHz
Power Spectral Density
-59.21 dBm/Hz
MSG
STATUS

Channel 6


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:10:28 AM Dec 12, 2014
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000288 MHz
Auto
Man
Channel Power
20.19 dBm/ 17.52 MHz
Power Spectral Density
-52.25 dBm/Hz
MSG
STATUS

Channel 11


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:13:45 AM Dec 12, 2014
Center Freq 2.462000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000288 MHz
Auto
Man
Channel Power
12.54 dBm/ 17.52 MHz
Power Spectral Density
-59.89 dBm/Hz
MSG
STATUS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

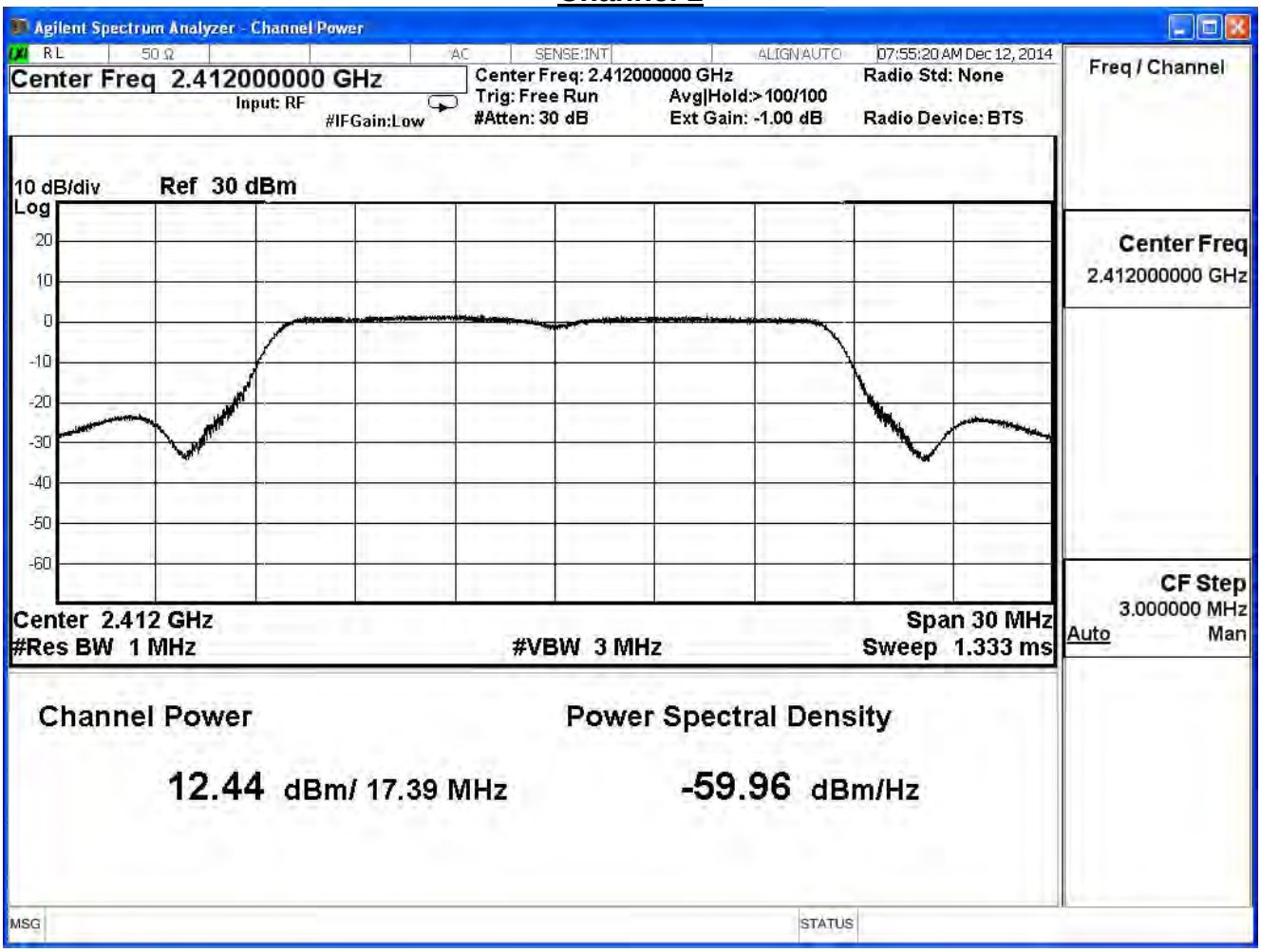
IEEE 802.11g (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	12.44	≦30	Pass
6	2437	20.05	≦30	Pass
11	2462	10.83	≦30	Pass

The worst emission of data rate is 6 Mbps.

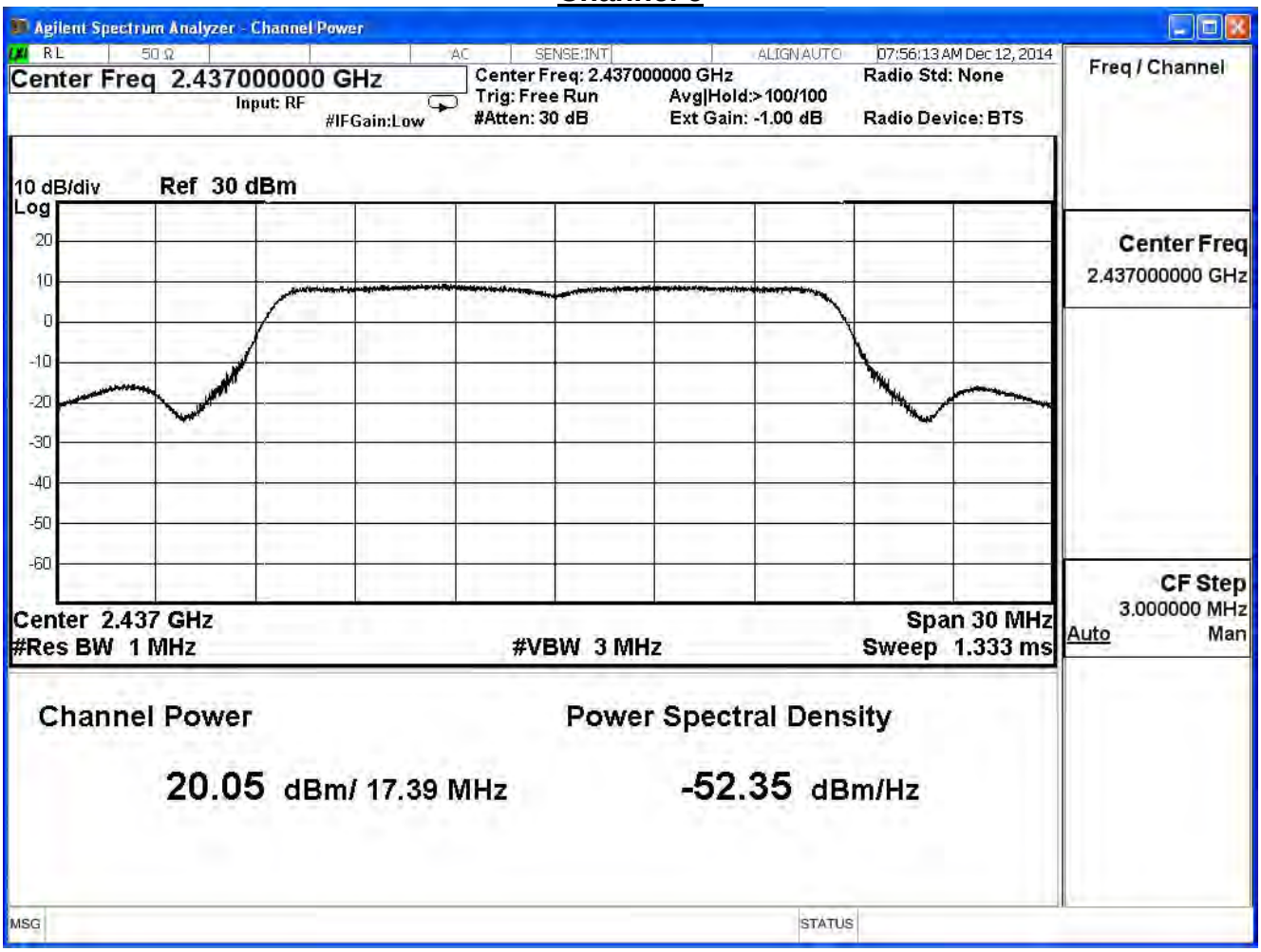
Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
1	2412	12.44	--	--	--	--	--	--	1 Watt=30dBm
6	2437	20.05	19.95	19.85	19.73	19.53	19.29	19.17	1 Watt=30dBm
11	2462	10.83	--	--	--	--	--	--	1 Watt=30dBm

Note: Measure Level =Reading value + cable loss

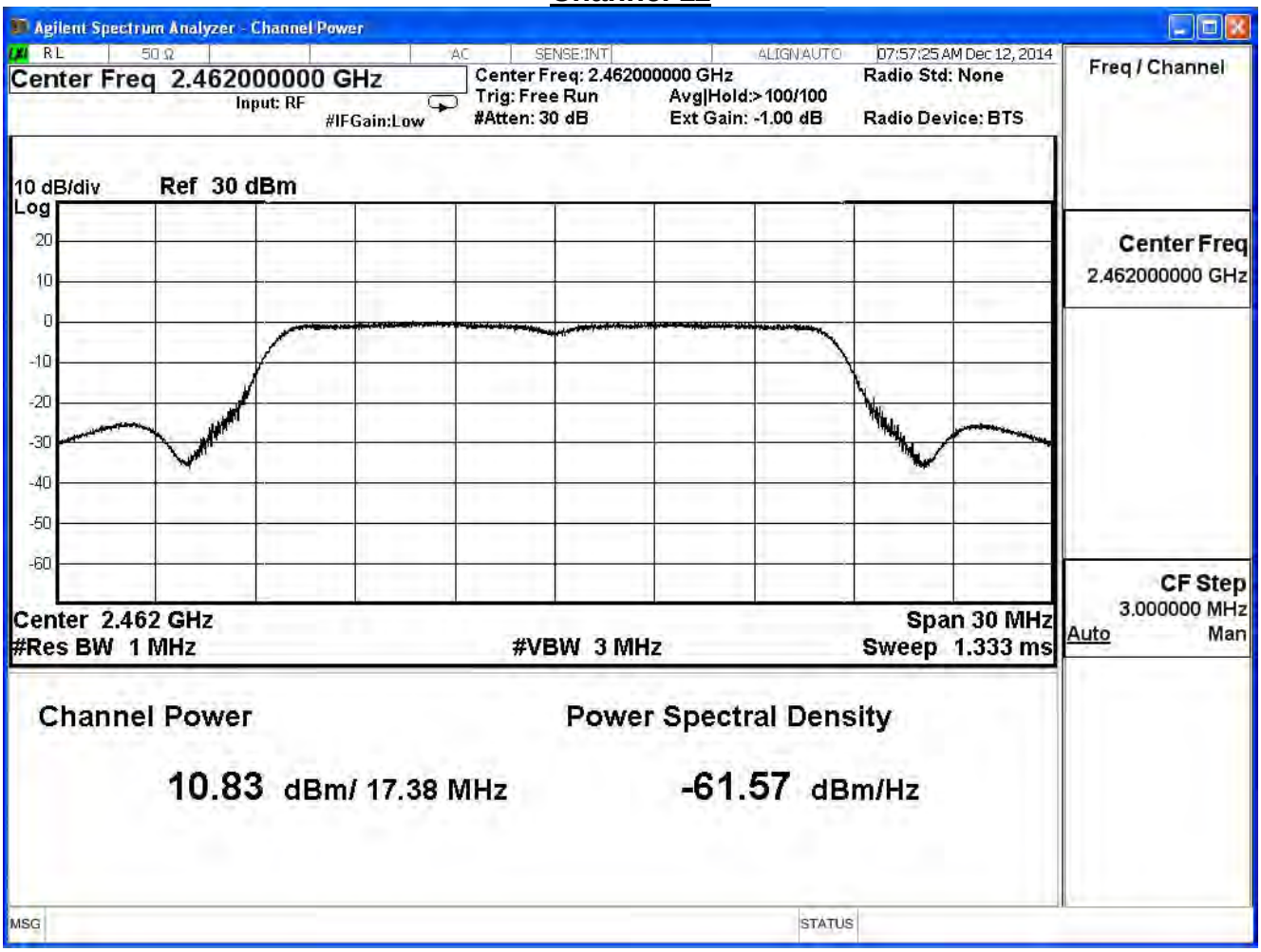
Channel 1


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:55:20 AM Dec 12, 2014
Center Freq 2.412000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.412000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.412000000 GHz
Center 2.412 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
12.44 dBm/ 17.39 MHz
Power Spectral Density
-59.96 dBm/Hz
MSG
STATUS

Channel 6


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:56:13 AM Dec 12, 2014
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
20.05 dBm/ 17.39 MHz
Power Spectral Density
-52.35 dBm/Hz
MSG
STATUS

Channel 11


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:57:25 AM Dec 12, 2014
Center Freq 2.462000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
10.83 dBm/ 17.38 MHz
Power Spectral Density
-61.57 dBm/Hz
MSG
STATUS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

IEEE 802.11g (ANT 0+1+2)

Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
1	2412	17.360	≦30	Pass
6	2437	24.674	≦30	Pass
11	2462	16.560	≦30	Pass

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
1	2412	17.36	--	--	--	--	--	--	1 Watt=30dBm
6	2437	24.67	24.50	24.40	24.29	24.15	23.98	23.77	1 Watt=30dBm
11	2462	16.56	--	--	--	--	--	--	1 Watt=30dBm

Note: Measure Level =Reading value + cable loss

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

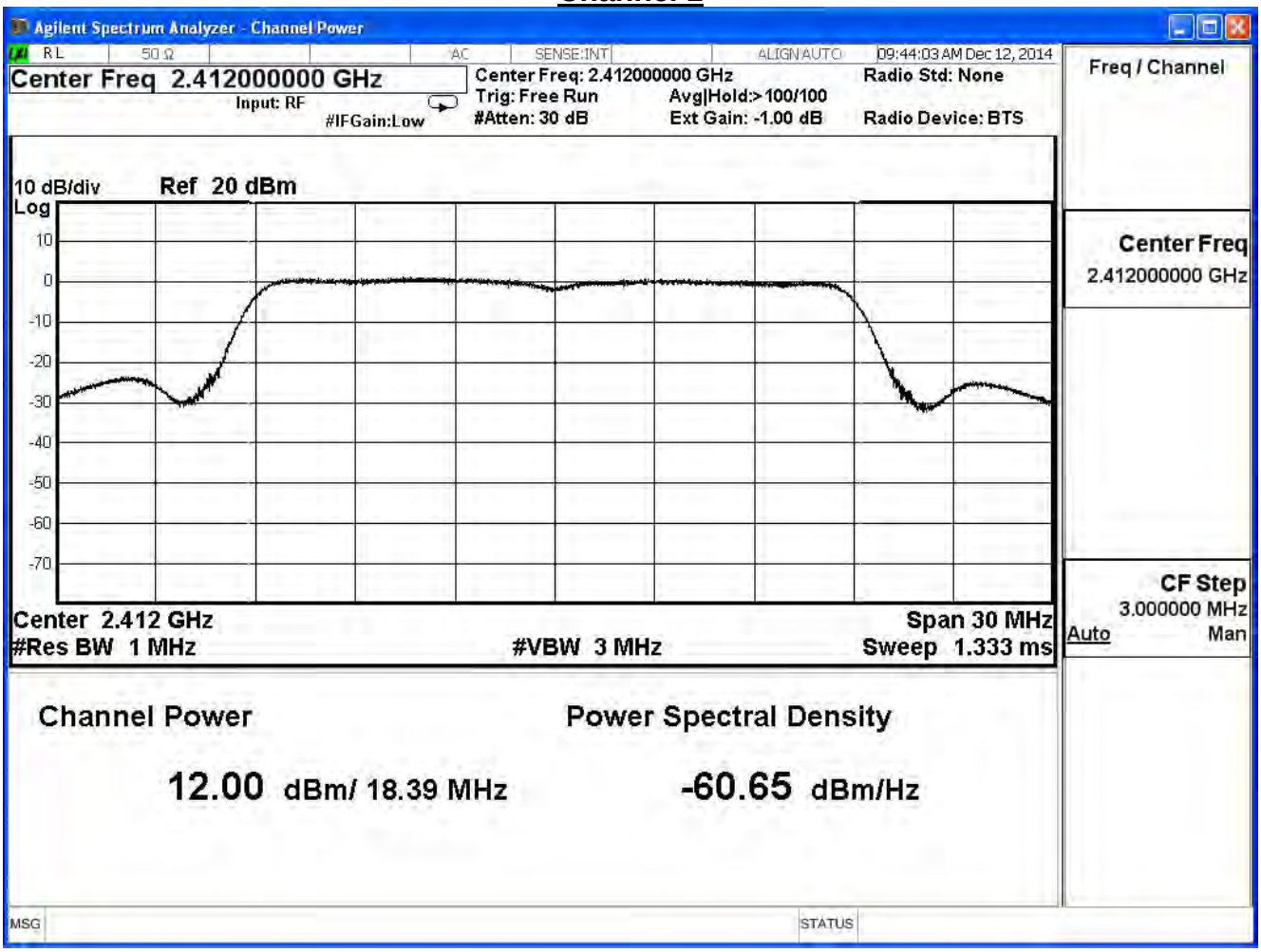
IEEE 802.11n 20MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	12.00	≦30	Pass
6	2437	19.35	≦30	Pass
11	2462	10.74	≦30	Pass

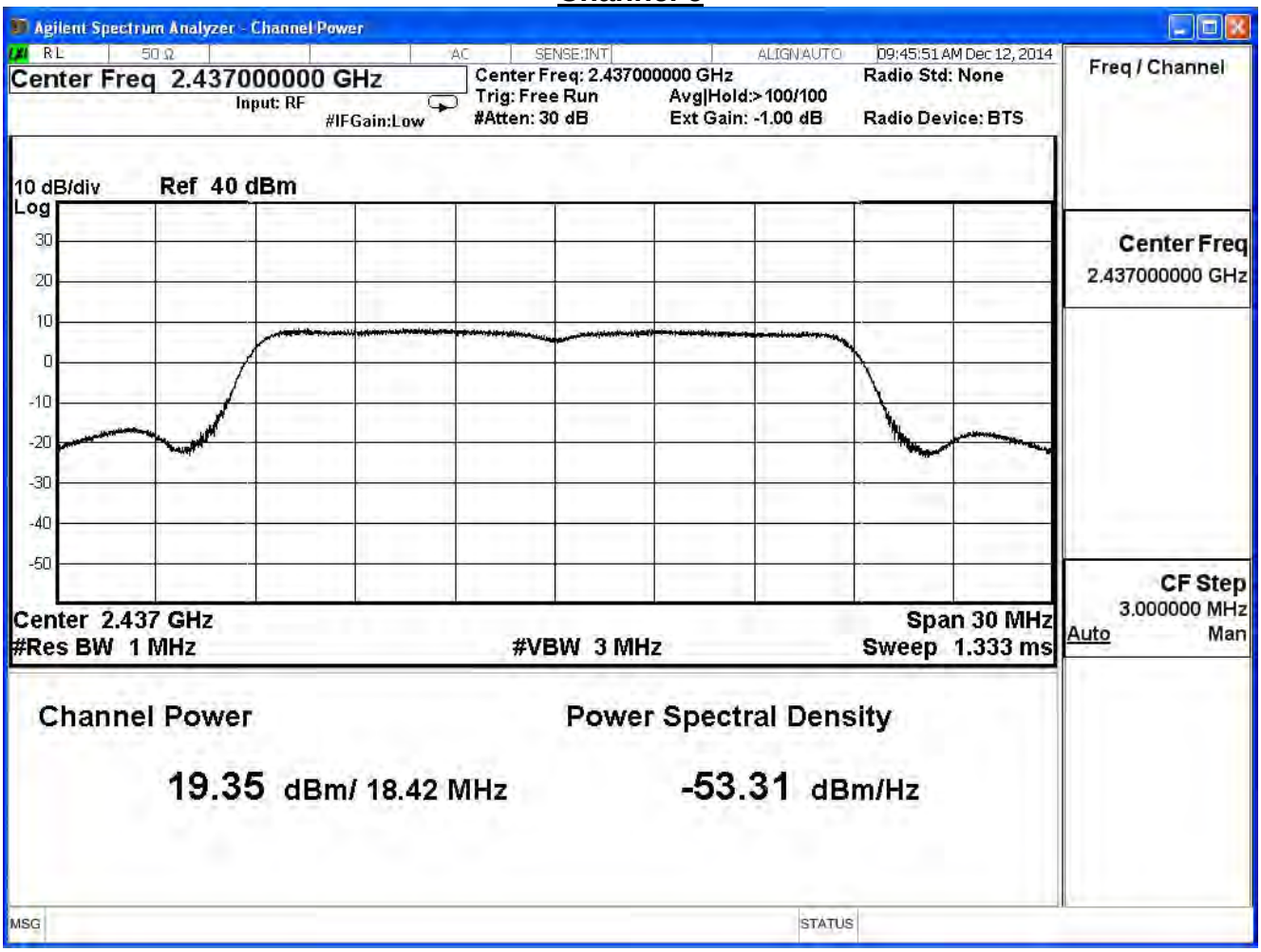
The worst emission of data rate is 19.5 Mbps.

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	
1	2412	12.00	--	--	--	--	--	--	--	1Watt=30dBm
6	2437	19.35	19.13	19.03	18.83	18.59	18.35	18.05	17.81	1Watt=30dBm
11	2462	10.74	--	--	--	--	--	--	--	1Watt=30dBm

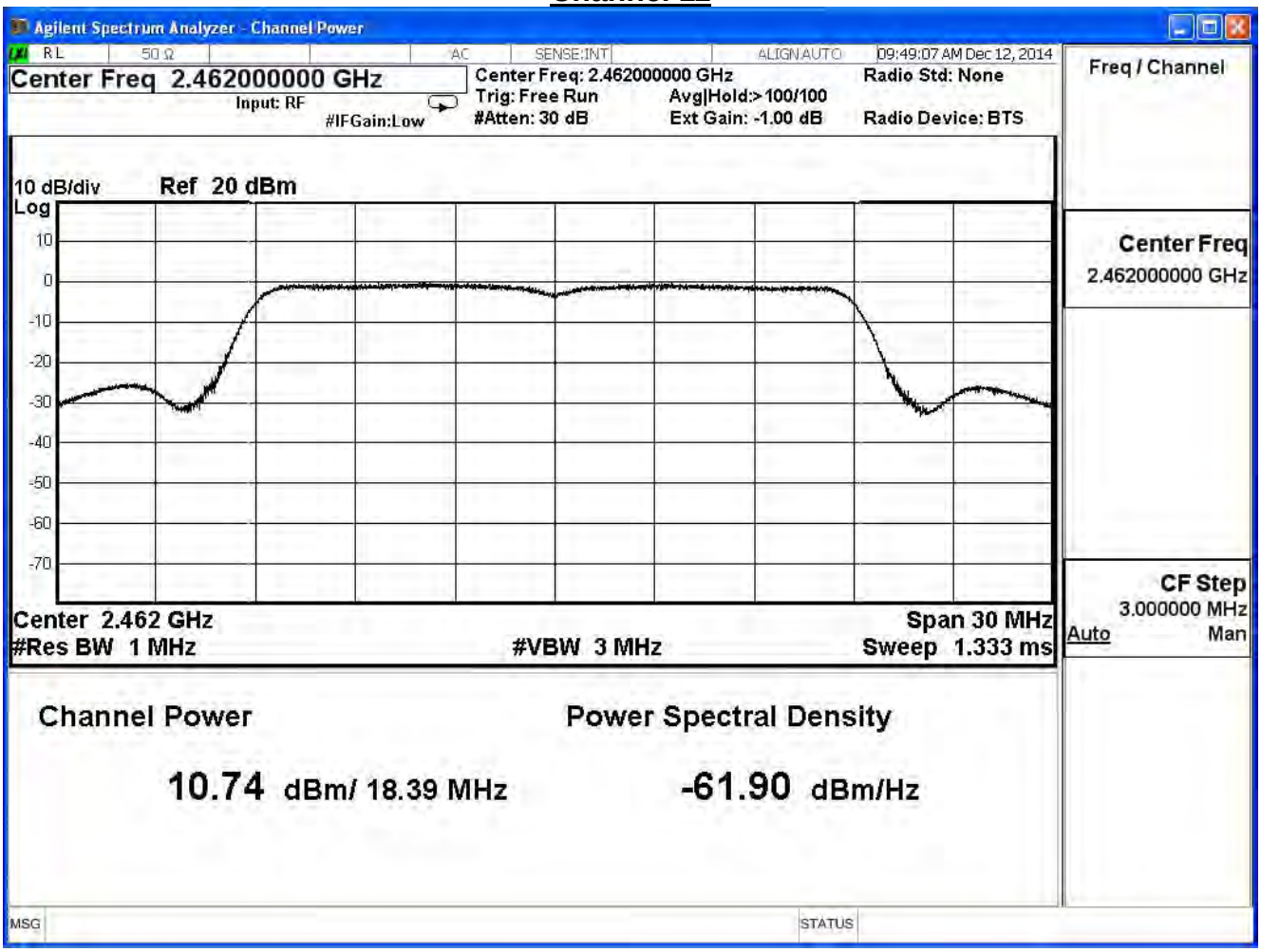
Channel 1


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:44:03 AM Dec 12, 2014
Center Freq 2.412000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.412000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.412000000 GHz
Center 2.412 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
12.00 dBm/ 18.39 MHz
Power Spectral Density
-60.65 dBm/Hz
MSG
STATUS

Channel 6


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:45:51 AM Dec 12, 2014
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
19.35 dBm/ 18.42 MHz
Power Spectral Density
-53.31 dBm/Hz
MSG
STATUS

Channel 11


Agilent Spectrum Analyzer - Channel Power
RL 50 Ω AC SENSE:INT ALIGN AUTO 09:49:07 AM Dec 12, 2014
Center Freq 2.462000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
10.74 dBm/ 18.39 MHz
Power Spectral Density
-61.90 dBm/Hz
MSG
STATUS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

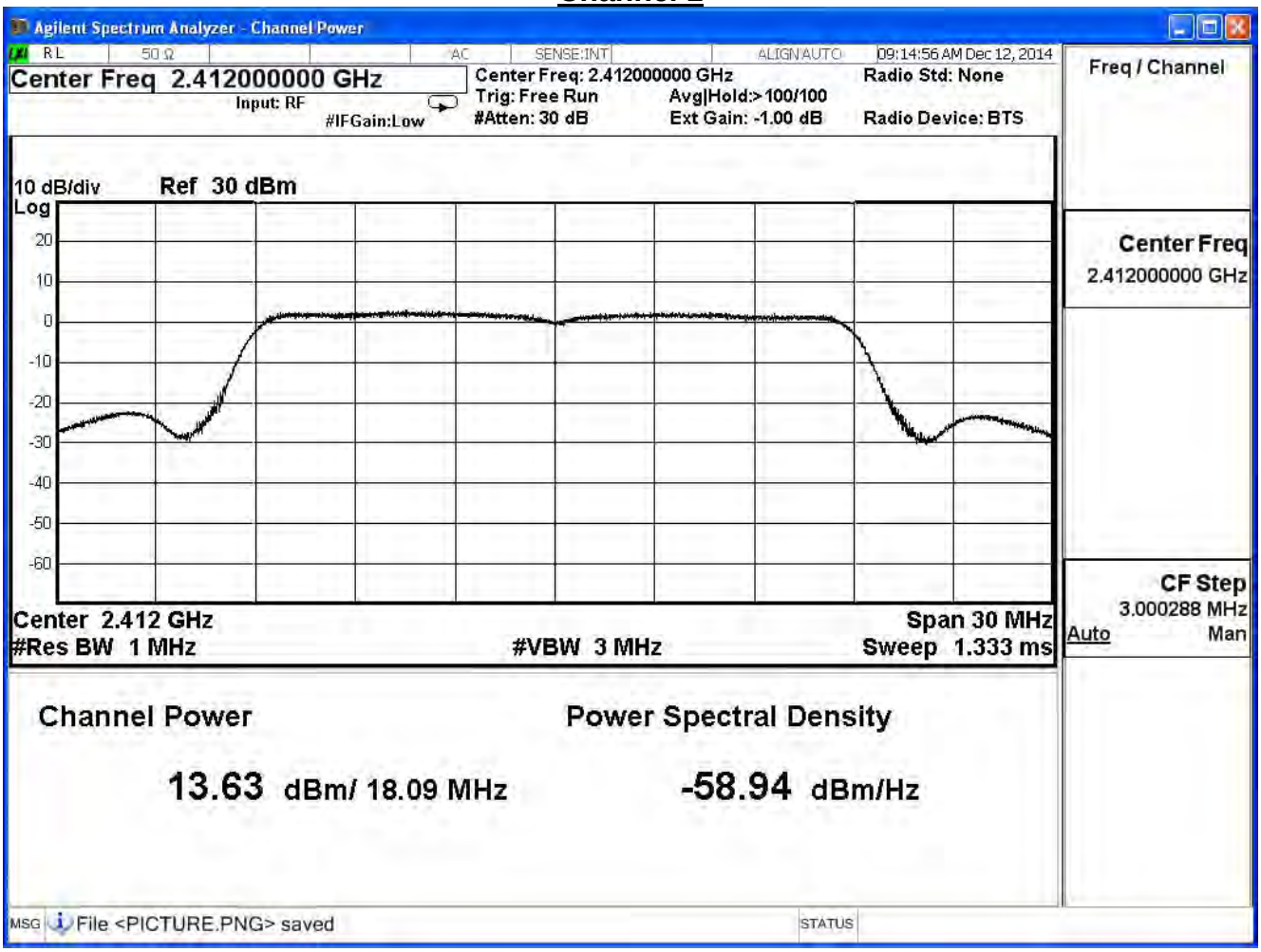
IEEE 802.11n 20MHz (ANT 1)

Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
1	2412	13.63	≦30	Pass
6	2437	20.33	≦30	Pass
11	2462	12.65	≦30	Pass

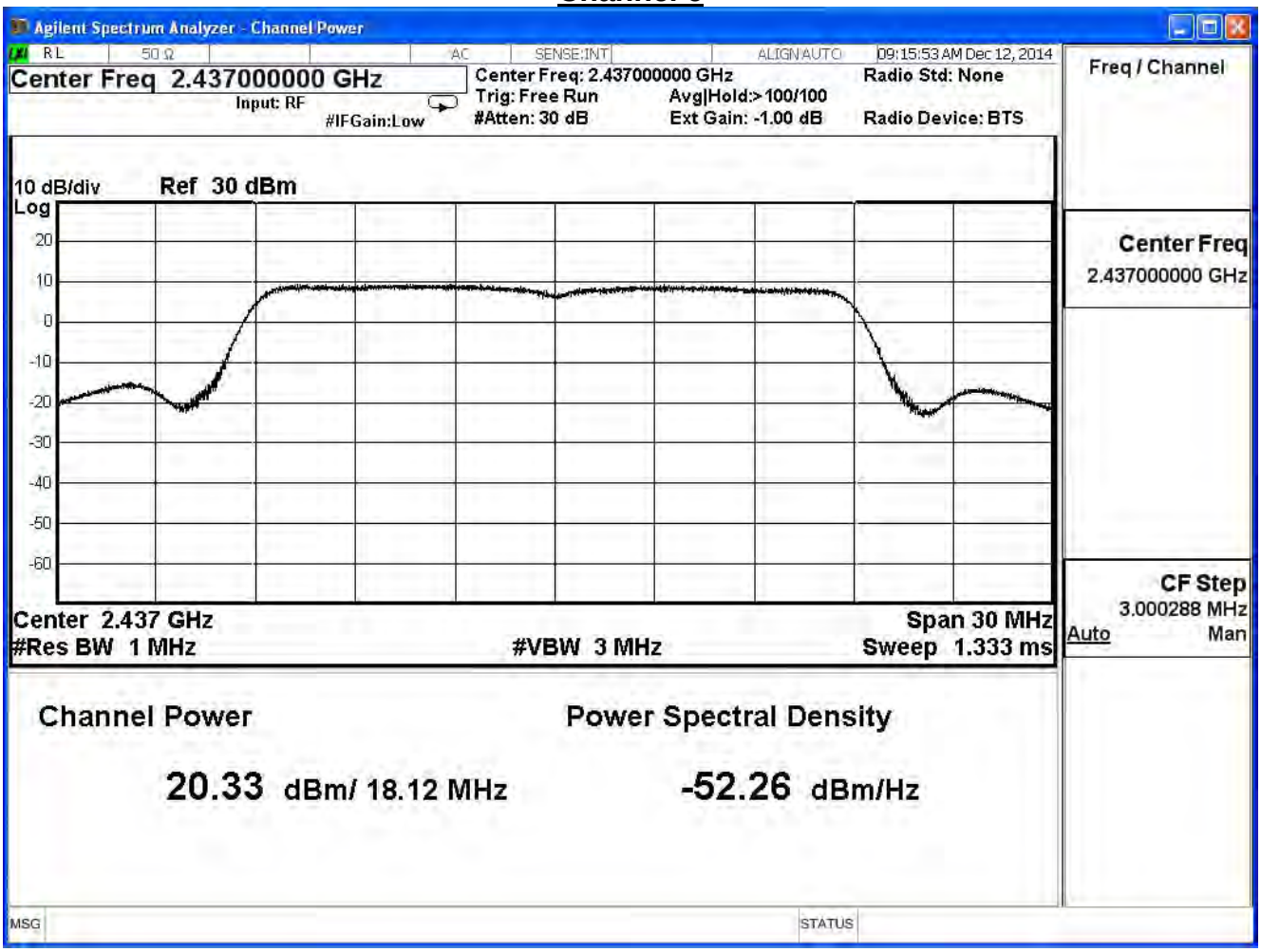
The worst emission of data rate is 19.5 Mbps.

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	
1	2412	13.63	--	--	--	--	--	--	--	1Watt=30dBm
6	2437	20.33	20.12	20.00	19.80	19.70	19.44	19.20	19.08	1Watt=30dBm
11	2462	12.65	--	--	--	--	--	--	--	1Watt=30dBm

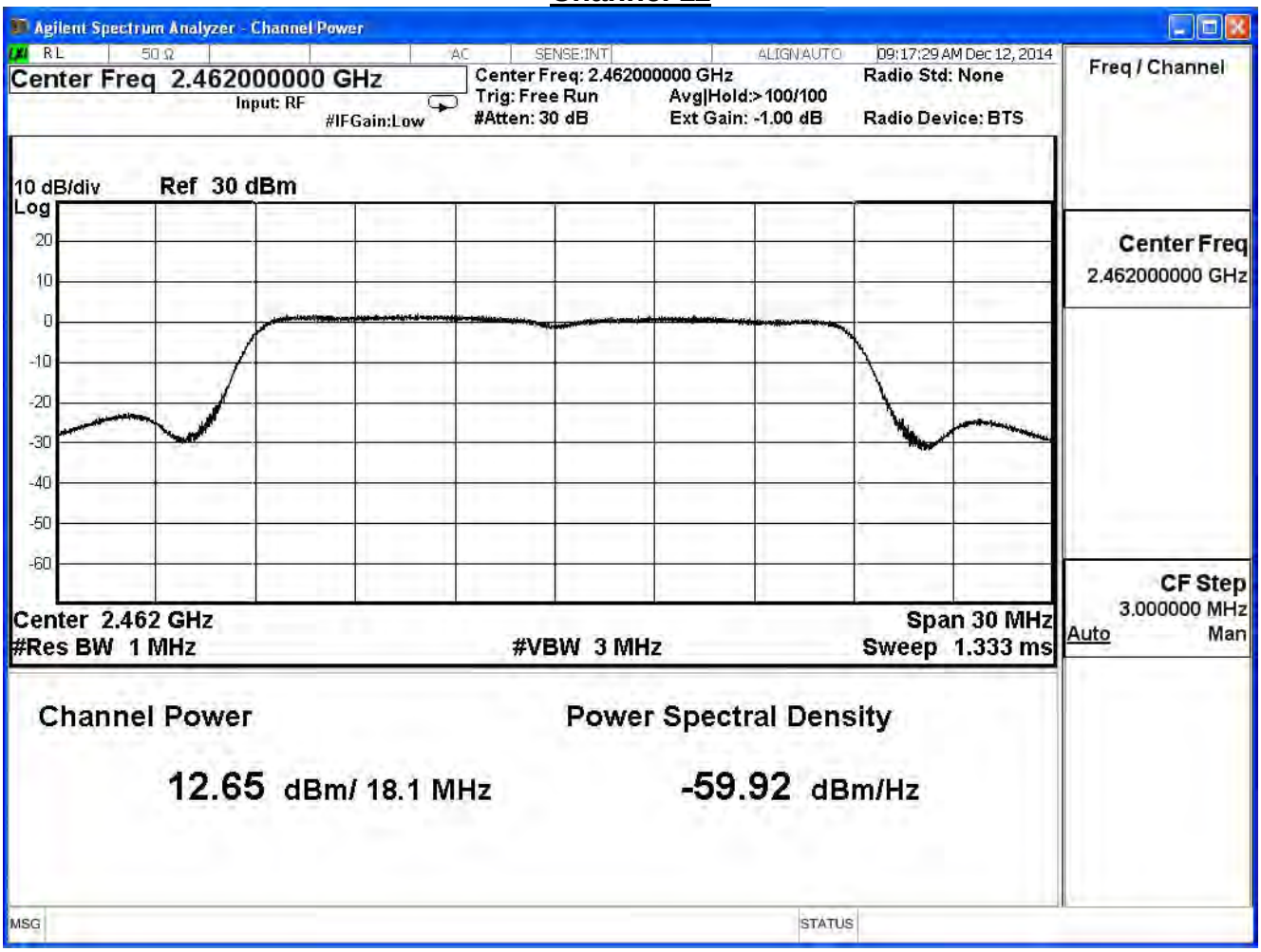
Channel 1


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:14:56 AM Dec 12, 2014
Center Freq 2.412000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.412000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.412000000 GHz
Center 2.412 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000288 MHz
Auto
Man
Channel Power
13.63 dBm/ 18.09 MHz
Power Spectral Density
-58.94 dBm/Hz
MSG
File <PICTURE.PNG> saved
STATUS

Channel 6


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:15:53 AM Dec 12, 2014
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000288 MHz
Auto
Man
Channel Power
20.33 dBm/ 18.12 MHz
Power Spectral Density
-52.26 dBm/Hz
MSG
STATUS

Channel 11


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:17:29 AM Dec 12, 2014
Center Freq 2.462000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
12.65 dBm/ 18.1 MHz
Power Spectral Density
-59.92 dBm/Hz
MSG
STATUS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

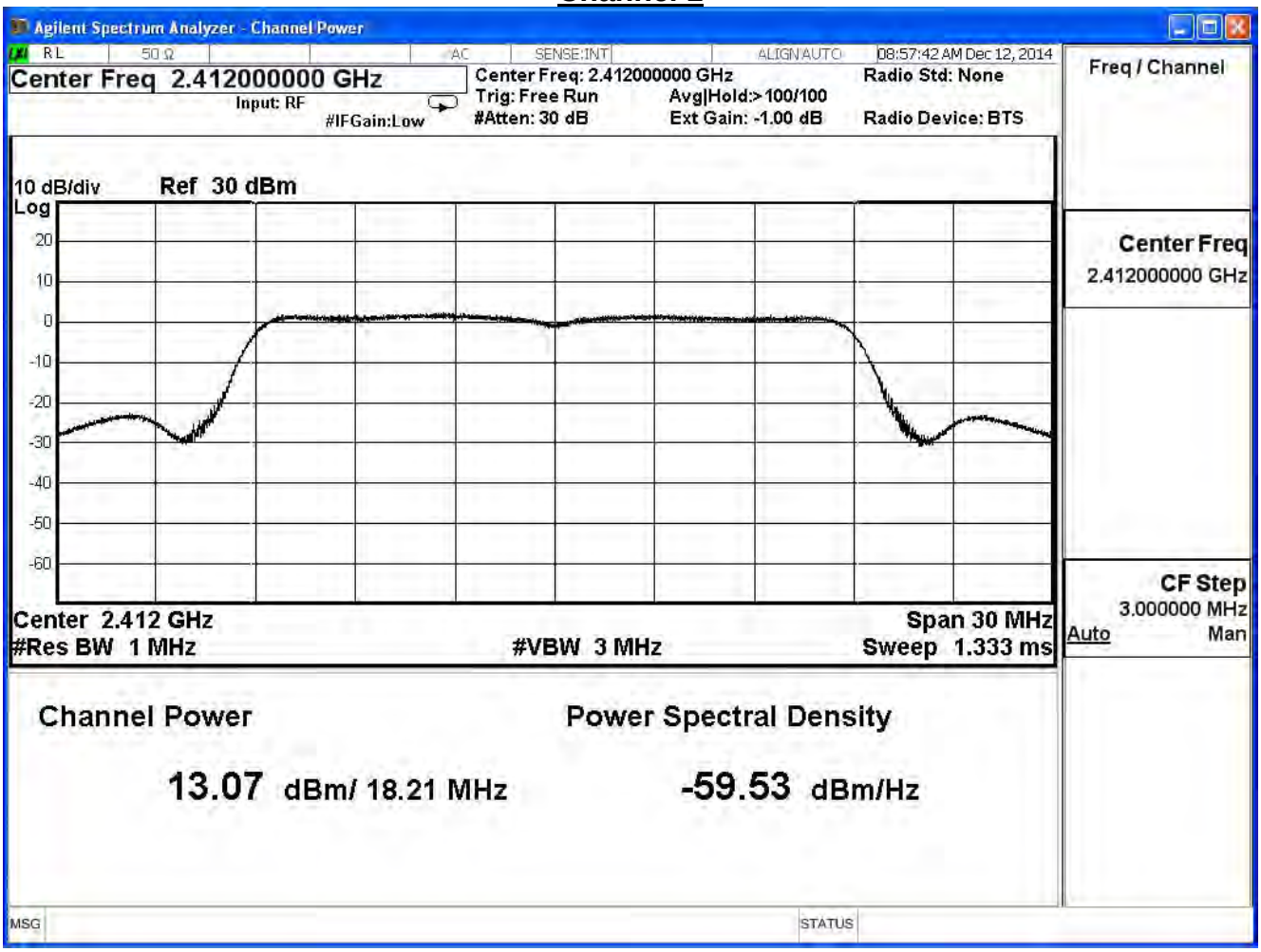
IEEE 802.11n 20MHz (ANT 2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	13.07	≦30	Pass
6	2437	20.25	≦30	Pass
11	2462	11.32	≦30	Pass

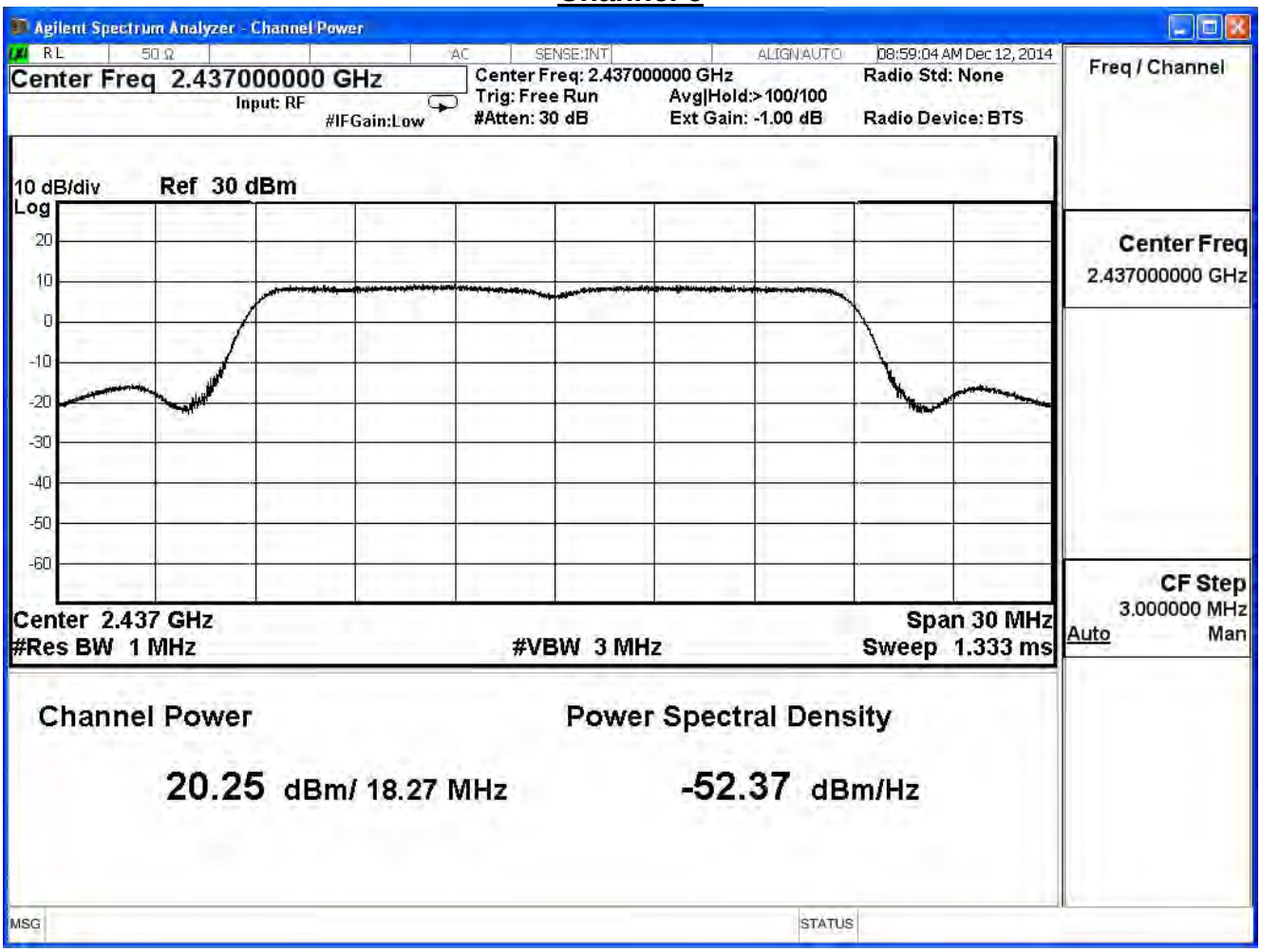
The worst emission of data rate is 19.5 Mbps.

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	
1	2412	13.07	--	--	--	--	--	--	--	1Watt=30dBm
6	2437	20.25	20.15	20.05	19.81	19.61	19.49	19.25	19.01	1Watt=30dBm
11	2462	11.32	--	--	--	--	--	--	--	1Watt=30dBm

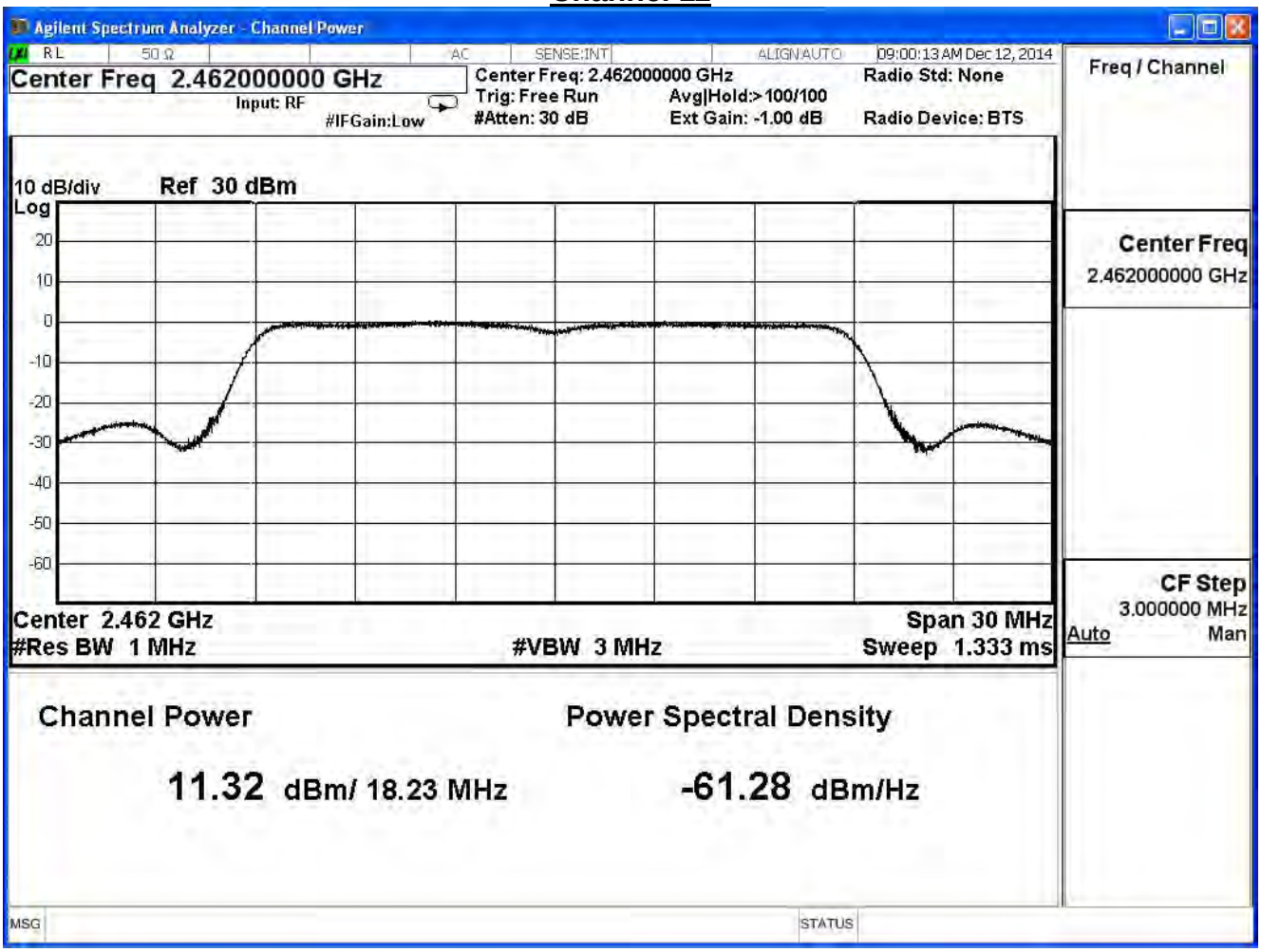
Channel 1


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
08:57:42 AM Dec 12, 2014
Center Freq 2.412000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.412000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Ref 30 dBm
Log
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.412000000 GHz
Center 2.412 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
13.07 dBm/ 18.21 MHz
Power Spectral Density
-59.53 dBm/Hz
MSG
STATUS

Channel 6


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
08:59:04 AM Dec 12, 2014
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
20.25 dBm/ 18.27 MHz
Power Spectral Density
-52.37 dBm/Hz
MSG
STATUS

Channel 11


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:00:13 AM Dec 12, 2014
Center Freq 2.462000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
11.32 dBm/ 18.23 MHz
Power Spectral Density
-61.28 dBm/Hz
MSG
STATUS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
1	2412	17.723	≦30	Pass
6	2437	24.766	≦30	Pass
11	2462	16.416	≦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	
1	2412	17.72	--	--	--	--	--	--	--	1Watt=30dBm
6	2437	24.77	24.60	24.49	24.27	24.10	23.90	23.64	23.44	1Watt=30dBm
11	2462	16.42	--	--	--	--	--	--	--	1Watt=30dBm

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

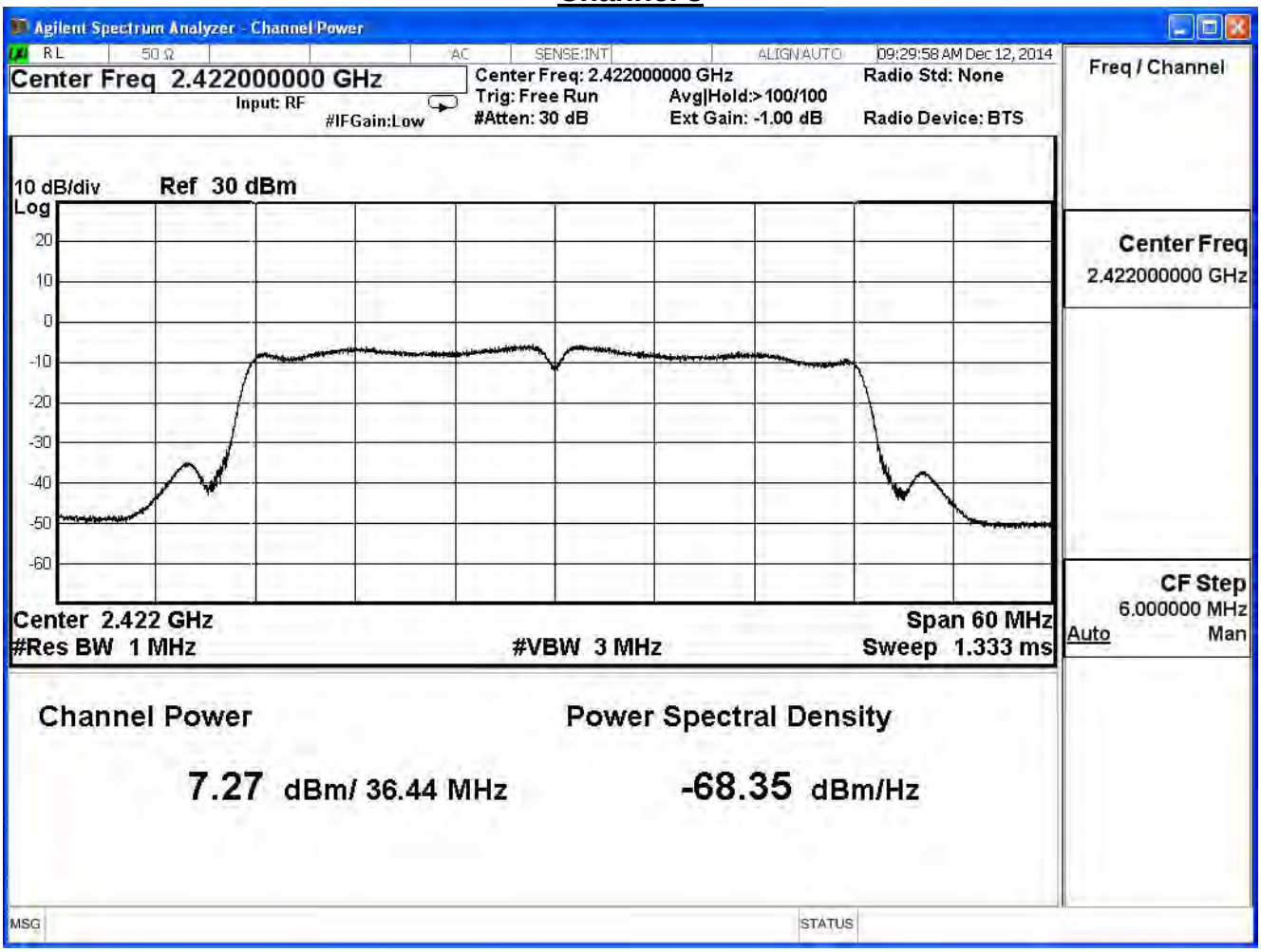
IEEE802.11n 40MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	7.27	≦30	Pass
6	2437	13.31	≦30	Pass
9	2452	7.83	≦30	Pass

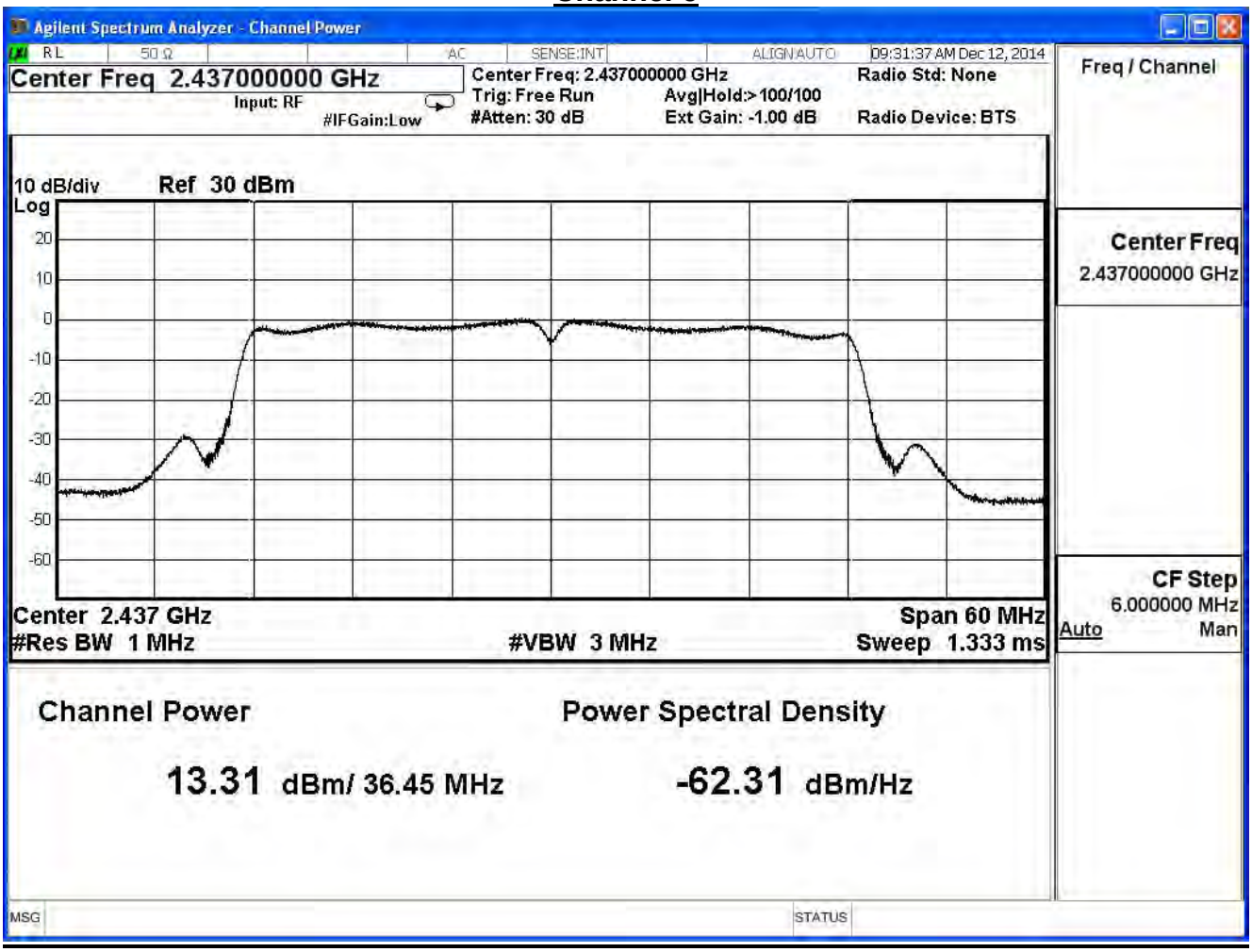
The worst emission of data rate is 13.5 Mbps.

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	
3	2422	7.27	--	--	--	--	--	--	--	1Watt=30dBm
6	2437	13.31	13.09	12.89	12.79	12.55	12.31	12.16	11.92	1Watt=30dBm
9	2452	7.83	--	--	--	--	--	--	--	1Watt=30dBm

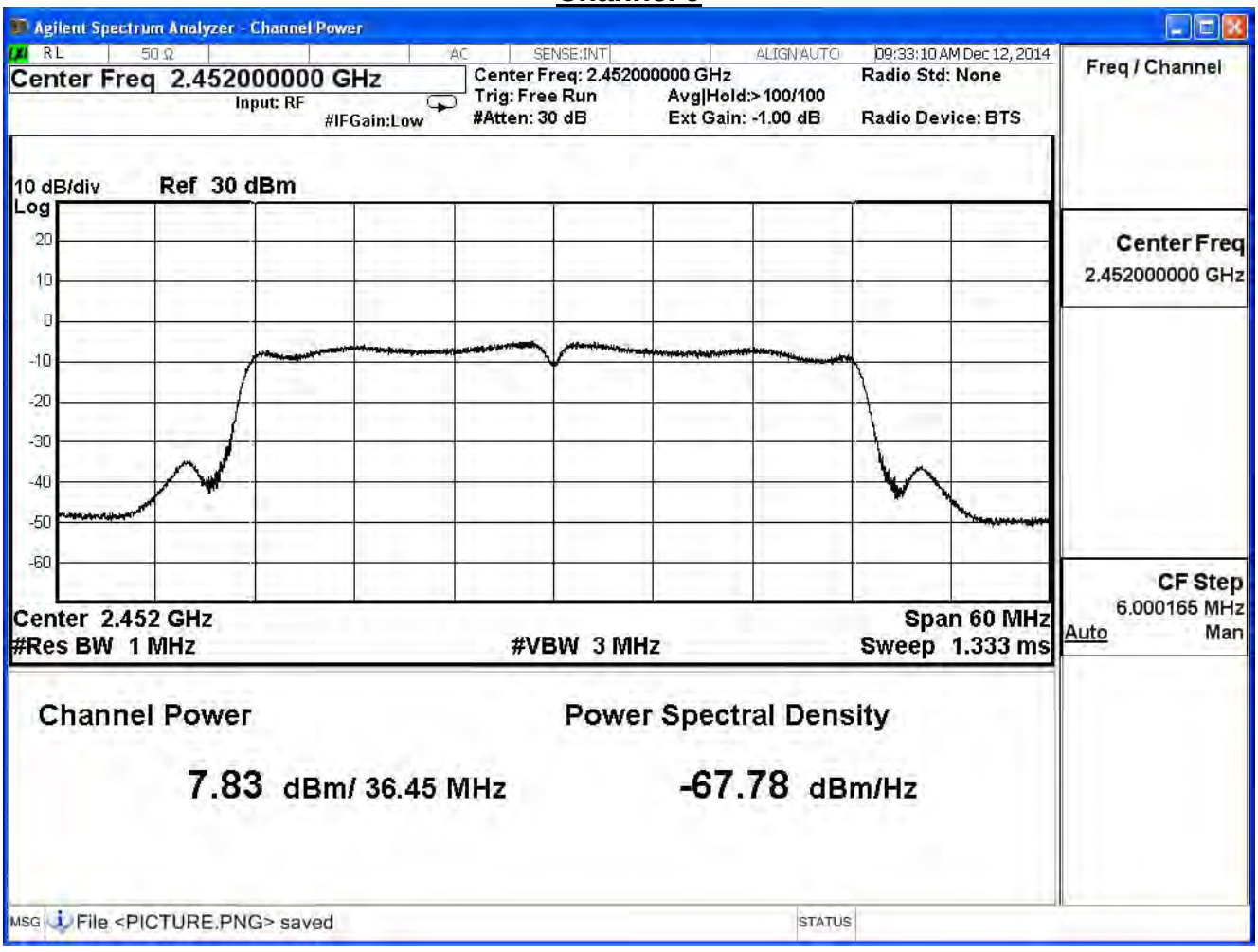
Channel 3


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:29:58 AM Dec 12, 2014
Center Freq 2.422000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.422000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.422000000 GHz
Center 2.422 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 60 MHz
Sweep 1.333 ms
CF Step
6.000000 MHz
Auto
Man
Channel Power
7.27 dBm/ 36.44 MHz
Power Spectral Density
-68.35 dBm/Hz
MSG
STATUS

Channel 6


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:31:37 AM Dec 12, 2014
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 60 MHz
Sweep 1.333 ms
CF Step
6.000000 MHz
Auto
Man
Channel Power
13.31 dBm/ 36.45 MHz
Power Spectral Density
-62.31 dBm/Hz
MSG
STATUS

Channel 9


Agilent Spectrum Analyzer - Channel Power
RL 50 Ω AC SENSE:INT ALIGN AUTO 09:33:10 AM Dec 12, 2014
Center Freq 2.452000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.452000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.452000000 GHz
Center 2.452 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 60 MHz
Sweep 1.333 ms
CF Step
6.000165 MHz
Auto
Man
Channel Power
7.83 dBm/ 36.45 MHz
Power Spectral Density
-67.78 dBm/Hz
MSG
File <PICTURE.PNG> saved
STATUS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

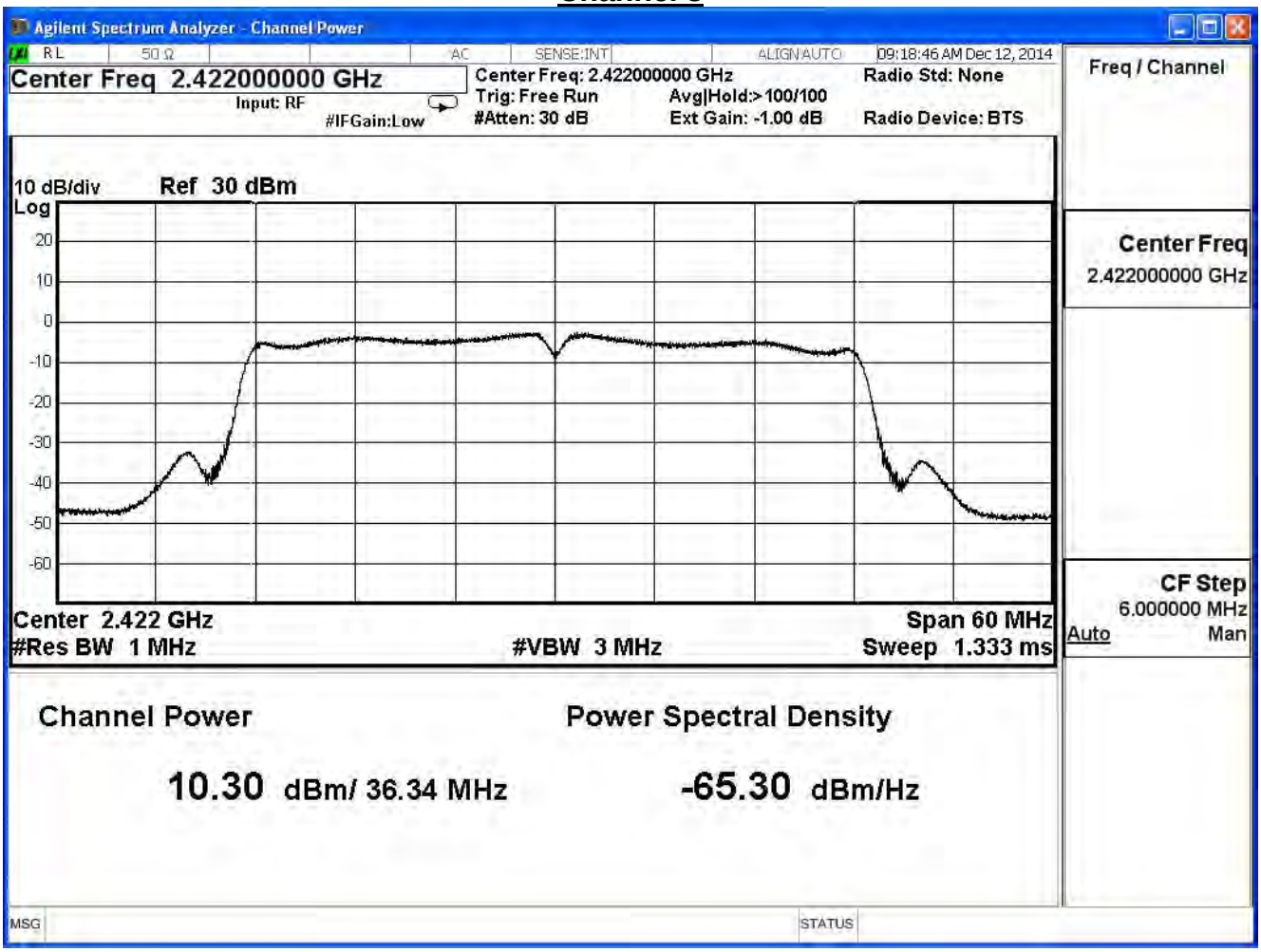
IEEE802.11n 40MHz (ANT 1)

Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
3	2422	10.30	≦30	Pass
6	2437	14.28	≦30	Pass
9	2452	10.33	≦30	Pass

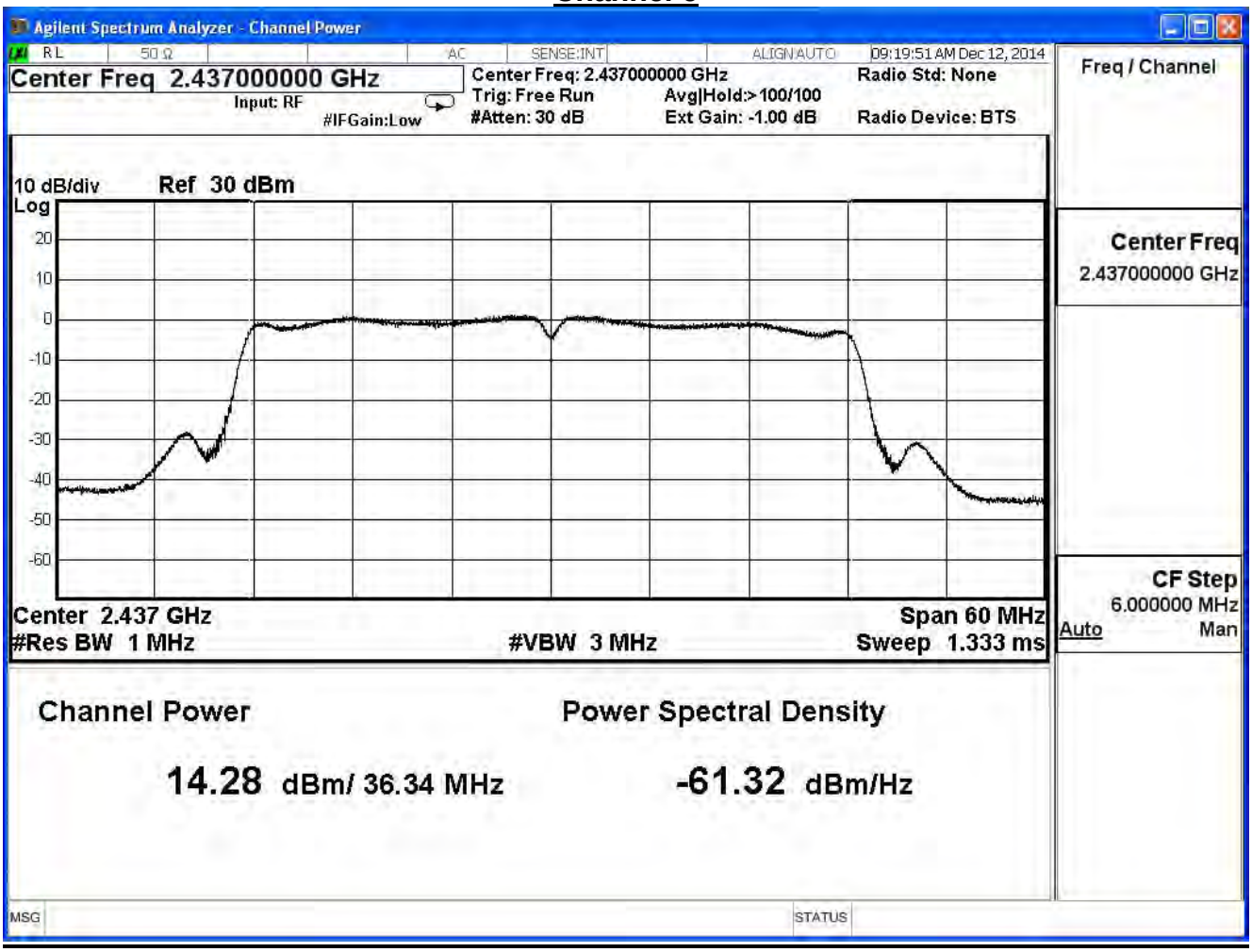
The worst emission of data rate is 13.5 Mbps.

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	
3	2422	10.3	--	--	--	--	--	--	--	1Watt=30dBm
6	2437	14.28	14.08	13.96	13.86	13.66	13.53	13.29	13.17	1Watt=30dBm
9	2452	10.33	--	--	--	--	--	--	--	1Watt=30dBm

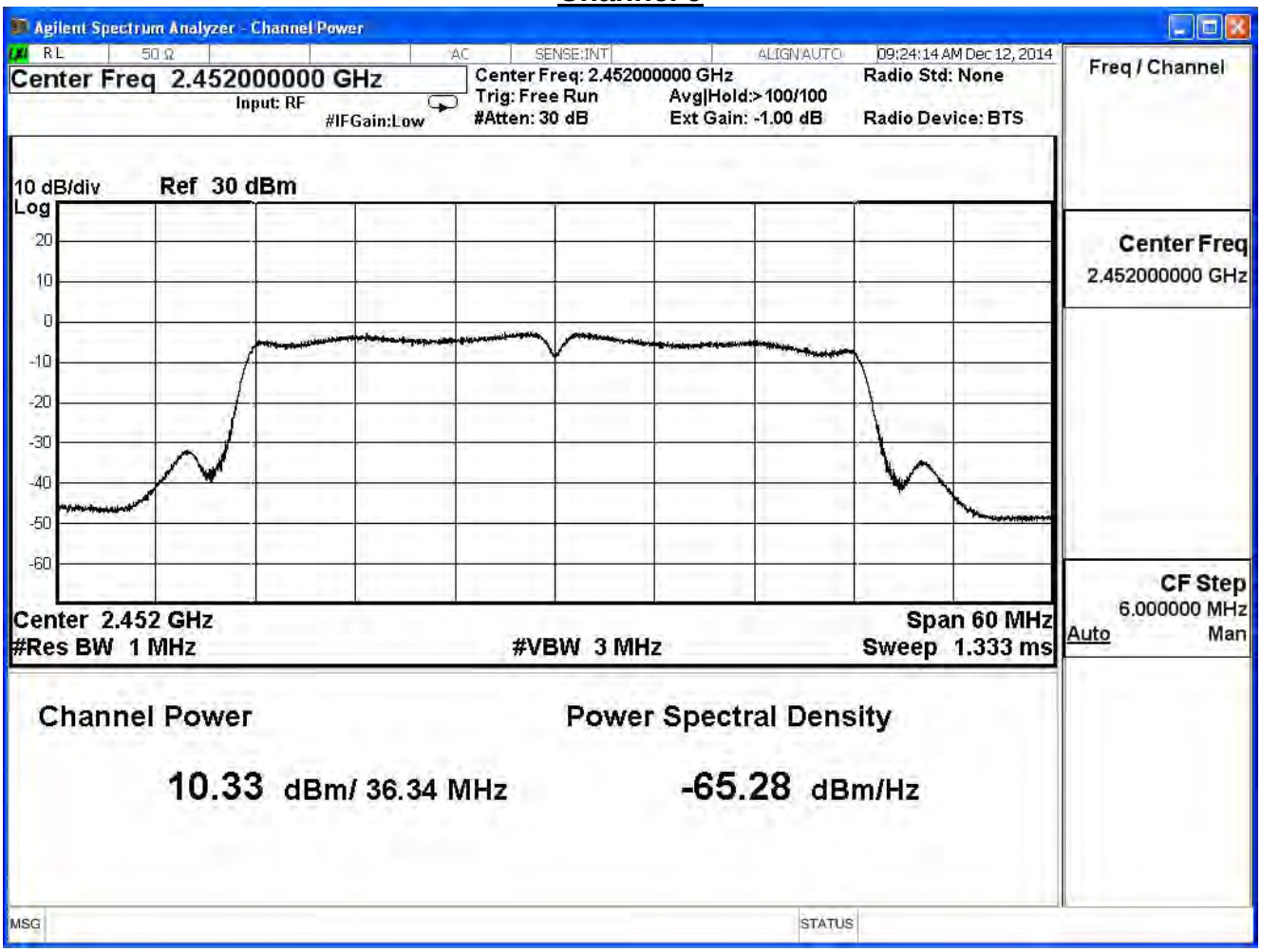
Channel 3


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:18:46 AM Dec 12, 2014
Center Freq 2.422000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.422000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.422000000 GHz
Center 2.422 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 60 MHz
Sweep 1.333 ms
CF Step
6.000000 MHz
Auto
Man
Channel Power
10.30 dBm/ 36.34 MHz
Power Spectral Density
-65.30 dBm/Hz
MSG
STATUS

Channel 6


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:19:51 AM Dec 12, 2014
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 60 MHz
Sweep 1.333 ms
CF Step
6.000000 MHz
Auto
Man
Channel Power
14.28 dBm/ 36.34 MHz
Power Spectral Density
-61.32 dBm/Hz
MSG
STATUS

Channel 9


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:24:14 AM Dec 12, 2014
Center Freq 2.452000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.452000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.452000000 GHz
Center 2.452 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 60 MHz
Sweep 1.333 ms
CF Step
6.000000 MHz
Auto
Man
Channel Power
10.33 dBm/ 36.34 MHz
Power Spectral Density
-65.28 dBm/Hz
MSG
STATUS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

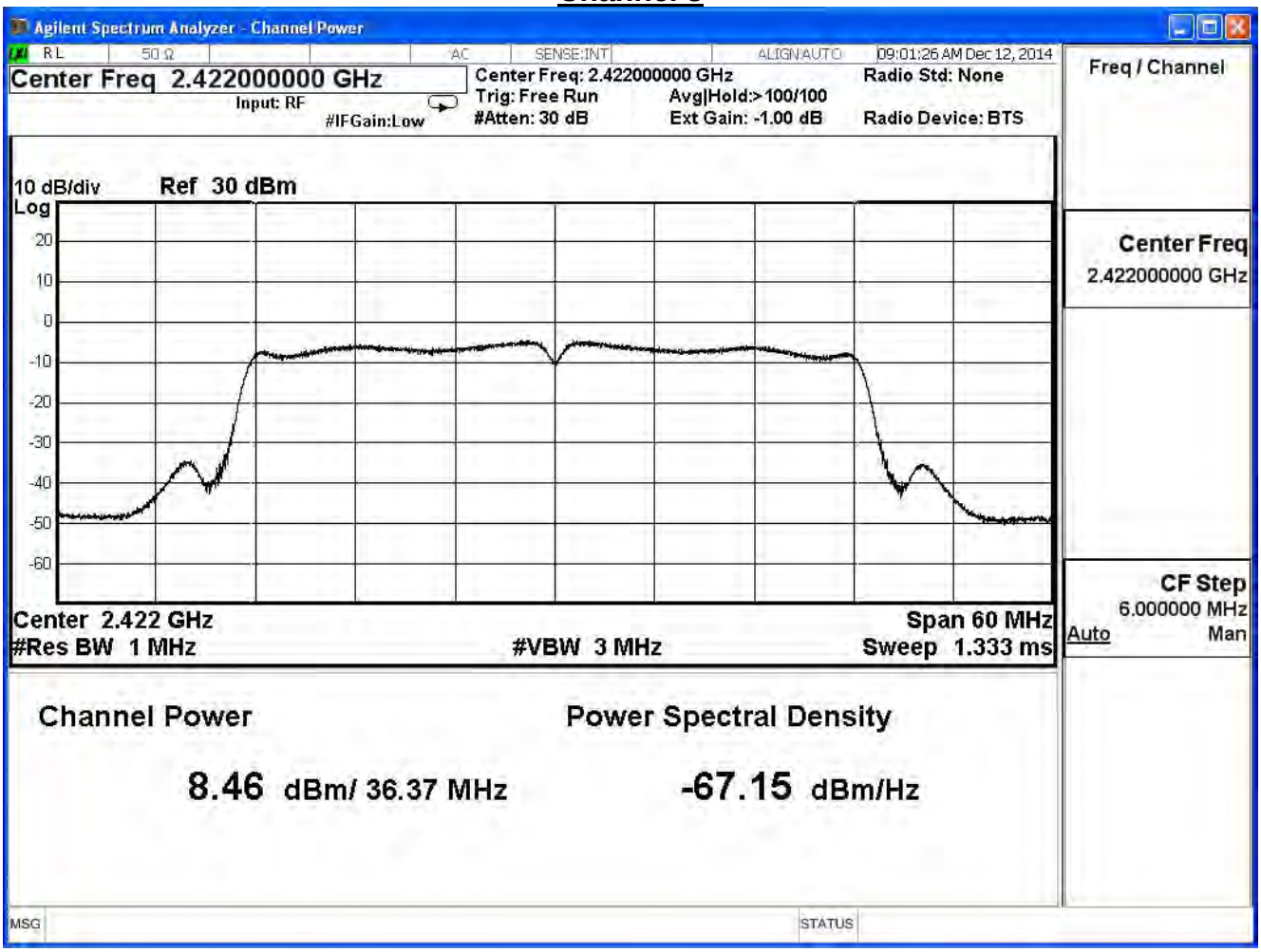
IEEE802.11n 40MHz (ANT 2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	8.46	≦30	Pass
6	2437	13.97	≦30	Pass
9	2452	7.31	≦30	Pass

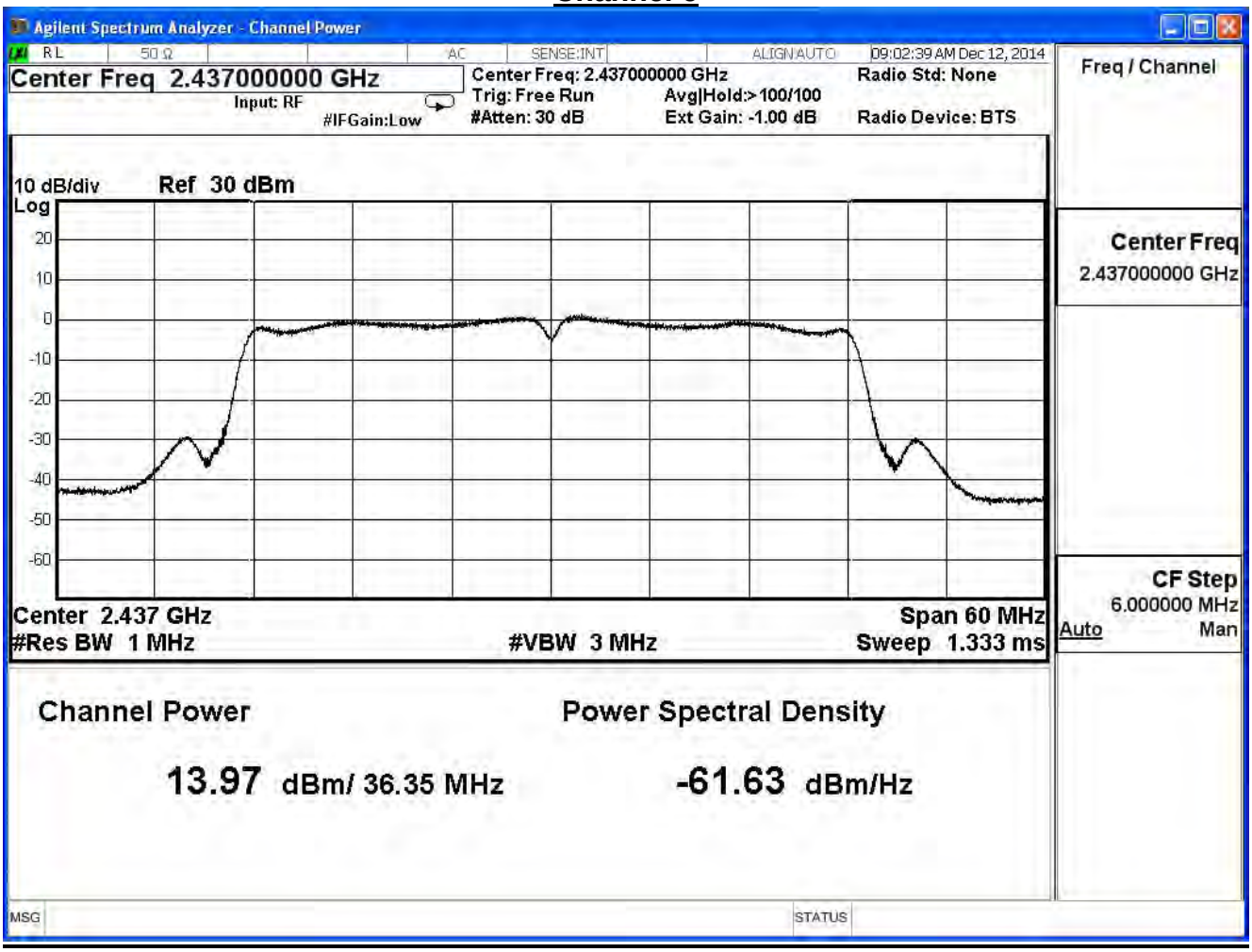
The worst emission of data rate is 13.5 Mbps.

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	
3	2422	8.46	--	--	--	--	--	--	--	1Watt=30dBm
6	2437	13.97	13.77	13.67	13.43	13.33	13.21	12.97	12.73	1Watt=30dBm
9	2452	7.31	--	--	--	--	--	--	--	1Watt=30dBm

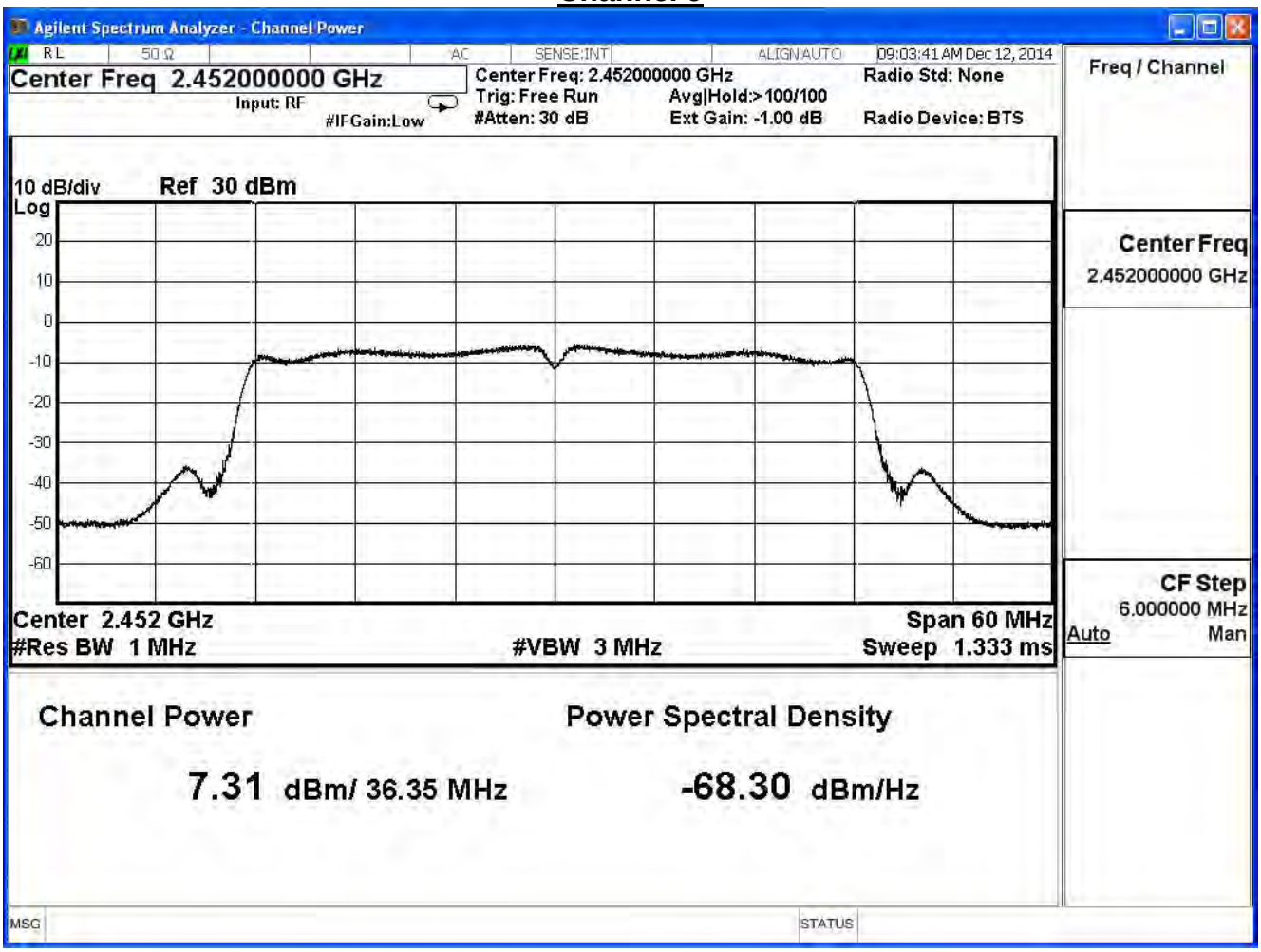
Channel 3


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:01:26 AM Dec 12, 2014
Center Freq 2.422000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.422000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.422000000 GHz
Center 2.422 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 60 MHz
Sweep 1.333 ms
CF Step
6.000000 MHz
Auto
Man
Channel Power
8.46 dBm/ 36.37 MHz
Power Spectral Density
-67.15 dBm/Hz
MSG
STATUS

Channel 6


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:02:39 AM Dec 12, 2014
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 60 MHz
Sweep 1.333 ms
CF Step
6.000000 MHz
Auto
Man
Channel Power
13.97 dBm/ 36.35 MHz
Power Spectral Density
-61.63 dBm/Hz
MSG
STATUS

Channel 9


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:03:41 AM Dec 12, 2014
Center Freq 2.452000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.452000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.452000000 GHz
Center 2.452 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 60 MHz
Sweep 1.333 ms
CF Step
6.000000 MHz
Auto
Man
Channel Power
7.31 dBm/ 36.35 MHz
Power Spectral Density
-68.30 dBm/Hz
MSG
STATUS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
3	2422	13.629	≦30	Pass
6	2437	18.643	≦30	Pass
9	2452	13.471	≦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	
3	2422	13.63	--	--	--	--	--	--	--	1Watt=30dBm
6	2437	18.64	18.44	18.30	18.15	17.98	17.82	17.60	17.41	1Watt=30dBm
9	2452	13.47	--	--	--	--	--	--	--	1Watt=30dBm

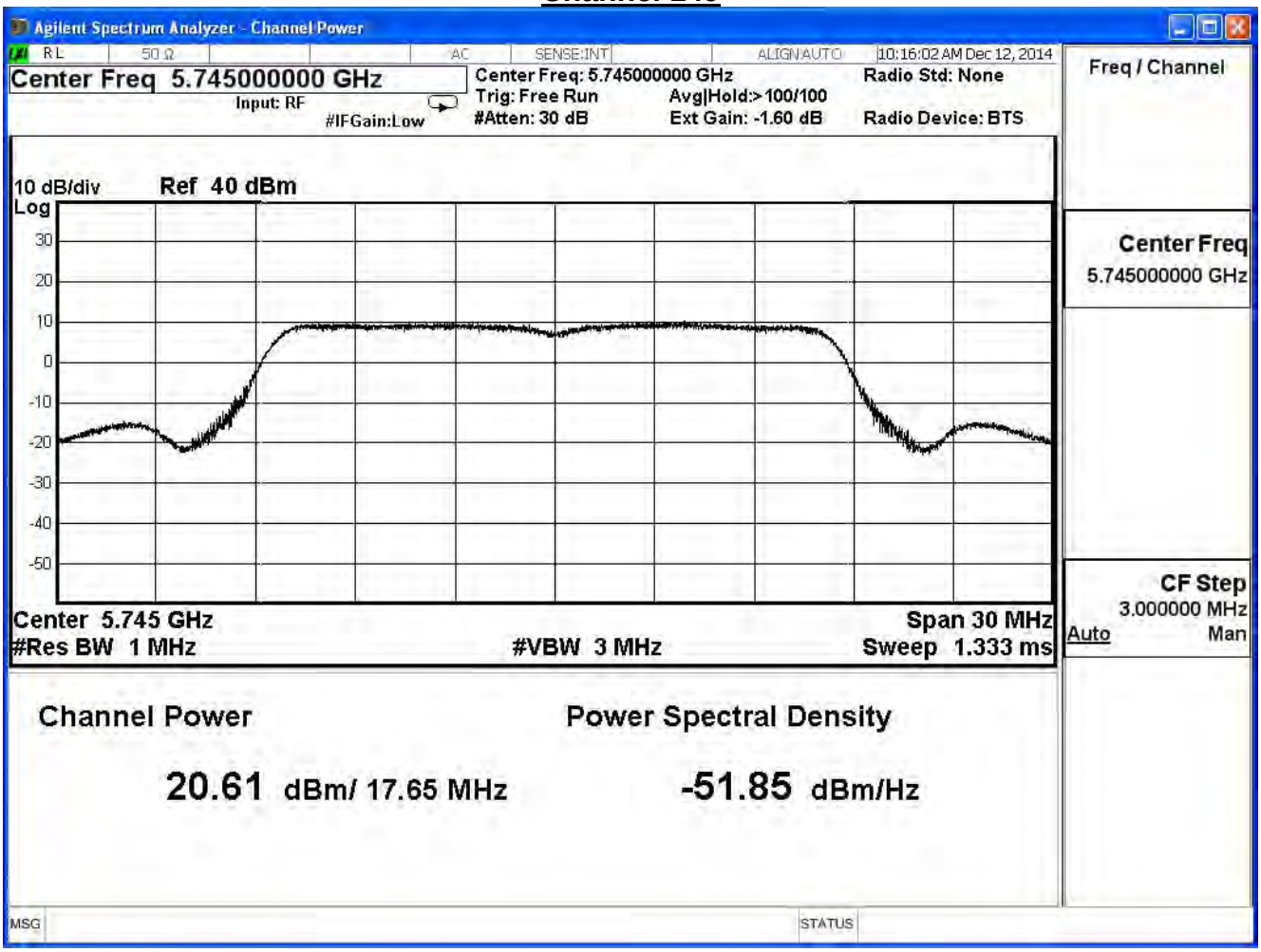
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

IEEE 802.11a (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	20.610	≦30	Pass
157	5785	20.100	≦30	Pass
165	5825	19.690	≦30	Pass

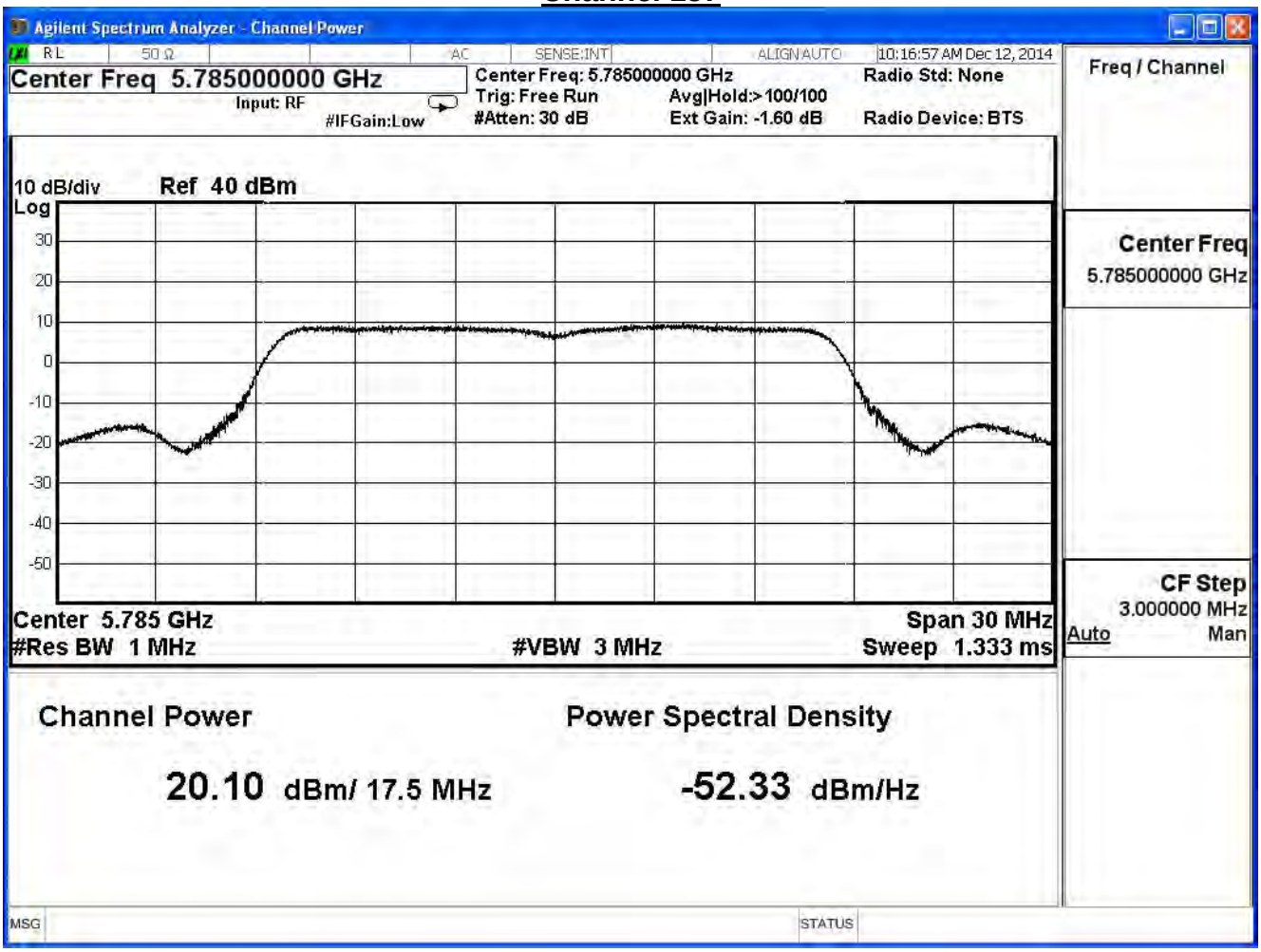
The worst emission of data rate is 6Mbps.

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
149	5745	20.61	--	--	--	--	--	--	1 Watt=30dBm
157	5785	20.10	19.99	19.89	19.79	19.55	19.31	19.16	1 Watt=30dBm
165	5825	19.69	--	--	--	--	--	--	1 Watt=30dBm

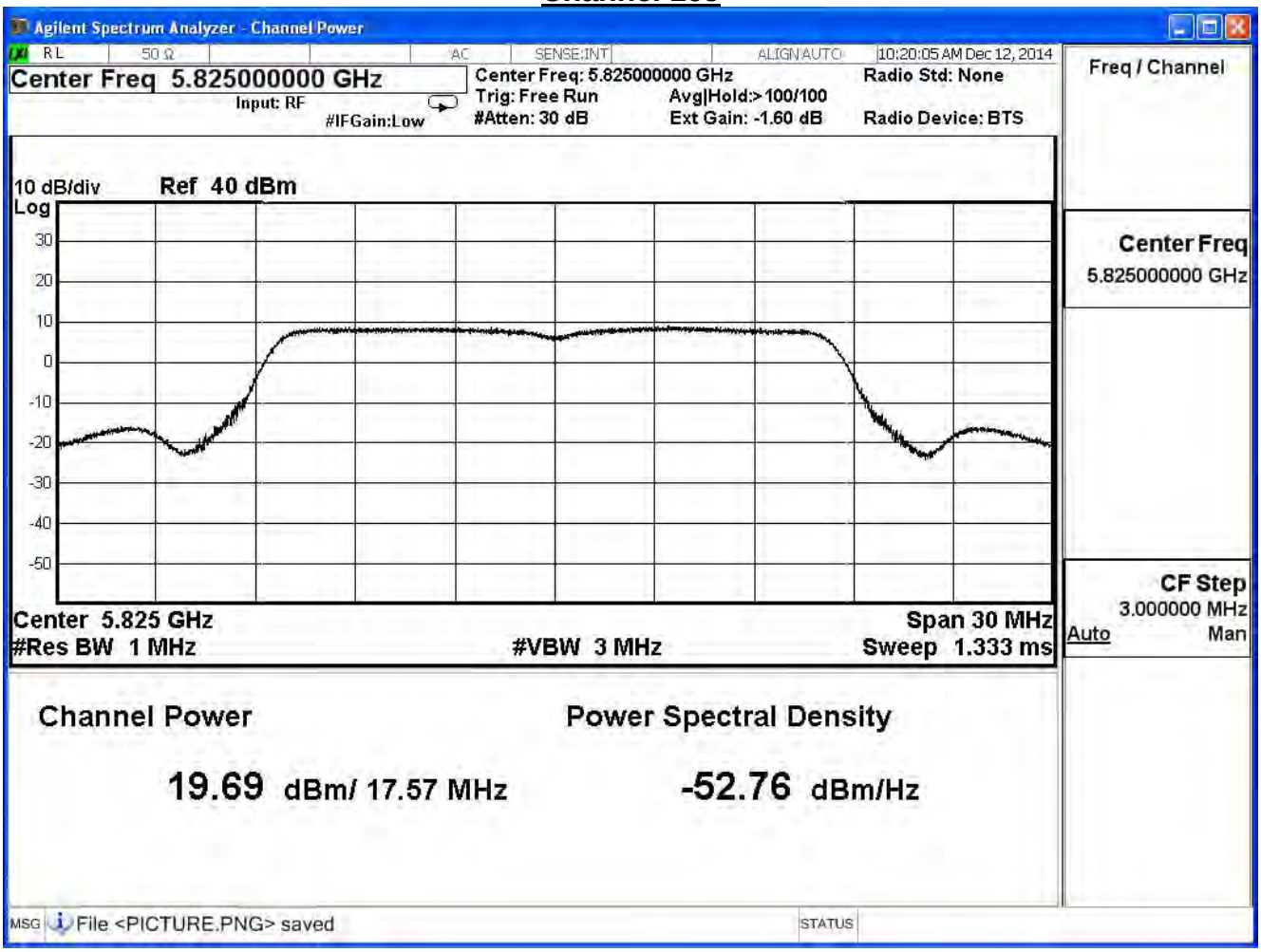
Channel 149


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:16:02 AM Dec 12, 2014
Center Freq 5.745000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.745000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.60 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Ref 40 dBm
Log
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.745000000 GHz
Center 5.745 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
20.61 dBm/ 17.65 MHz
Power Spectral Density
-51.85 dBm/Hz
MSG
STATUS

Channel 157


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:16:57 AM Dec 12, 2014
Center Freq 5.785000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.785000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.60 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.785000000 GHz
Center 5.785 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
20.10 dBm/ 17.5 MHz
Power Spectral Density
-52.33 dBm/Hz
MSG
STATUS

Channel 165


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:20:05 AM Dec 12, 2014
Center Freq 5.825000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.825000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.60 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.825000000 GHz
Center 5.825 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
19.69 dBm/ 17.57 MHz
Power Spectral Density
-52.76 dBm/Hz
MSG
File <PICTURE.PNG> saved
STATUS

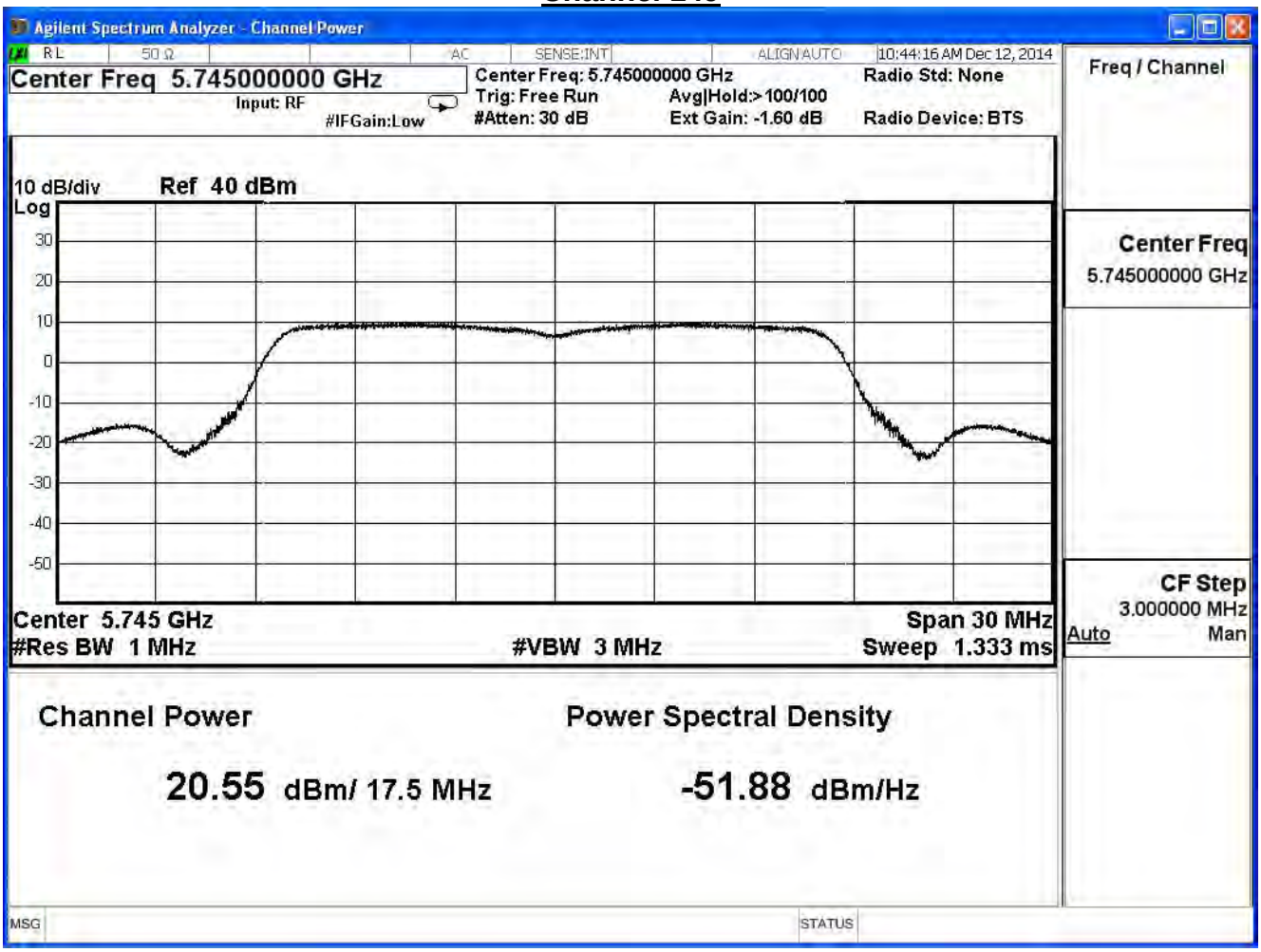
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

IEEE 802.11a (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	20.550	≦30	Pass
157	5785	19.820	≦30	Pass
165	5825	19.150	≦30	Pass

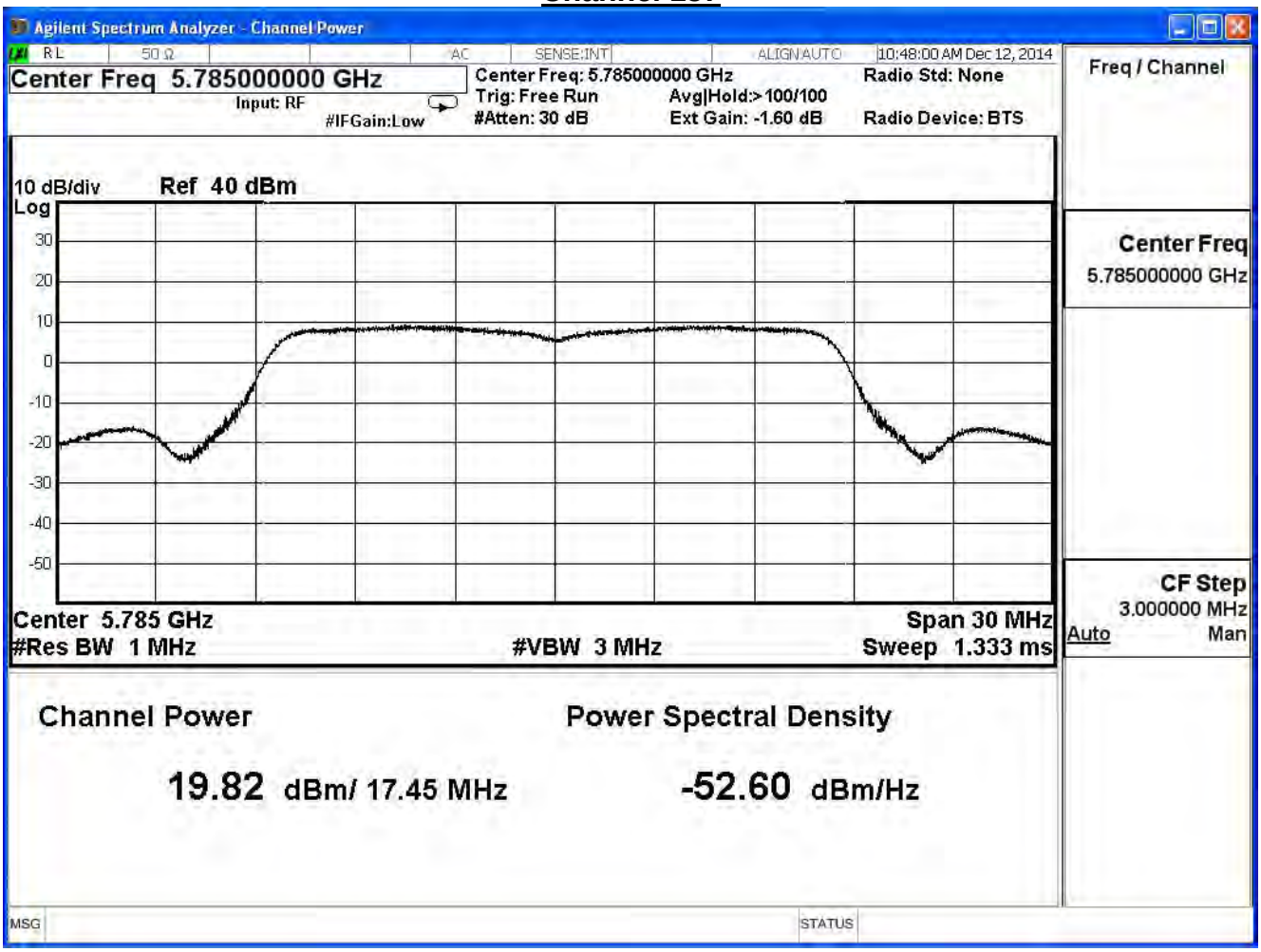
The worst emission of data rate is 6Mbps.

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
149	5745	20.55	--	--	--	--	--	--	1 Watt=30dBm
157	5785	19.82	19.72	19.48	19.28	19.08	18.82	18.70	1 Watt=30dBm
165	5825	19.15	--	--	--	--	--	--	1 Watt=30dBm

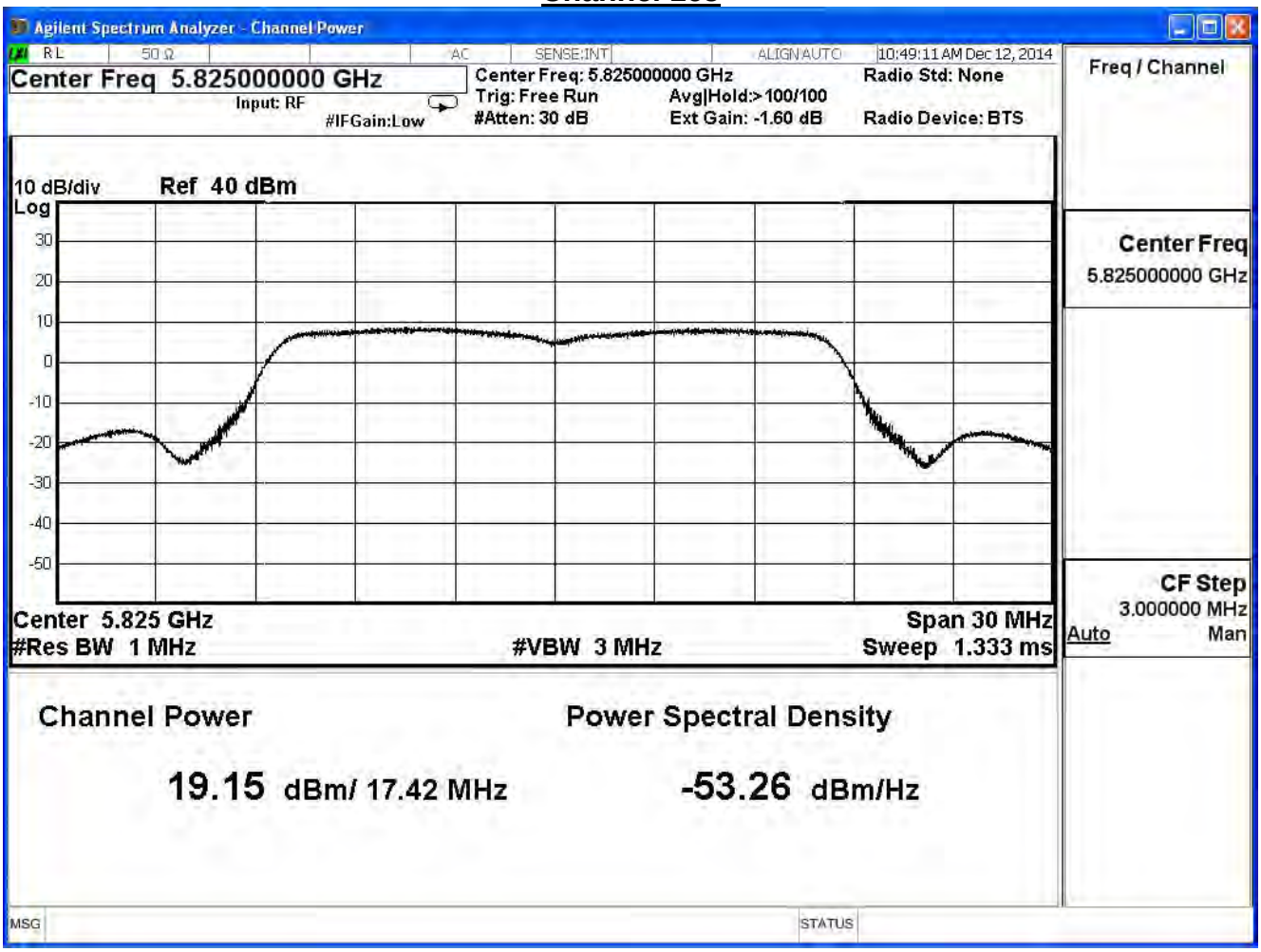
Channel 149


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:44:16 AM Dec 12, 2014
Center Freq 5.745000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.745000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.60 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.745000000 GHz
Center 5.745 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
20.55 dBm/ 17.5 MHz
Power Spectral Density
-51.88 dBm/Hz
MSG
STATUS

Channel 157


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:48:00 AM Dec 12, 2014
Center Freq 5.785000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.785000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.60 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.785000000 GHz
Center 5.785 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
19.82 dBm/ 17.45 MHz
Power Spectral Density
-52.60 dBm/Hz
MSG
STATUS

Channel 165


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:49:11 AM Dec 12, 2014
Center Freq 5.825000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.825000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.60 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.825000000 GHz
Center 5.825 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
19.15 dBm/ 17.42 MHz
Power Spectral Density
-53.26 dBm/Hz
MSG
STATUS

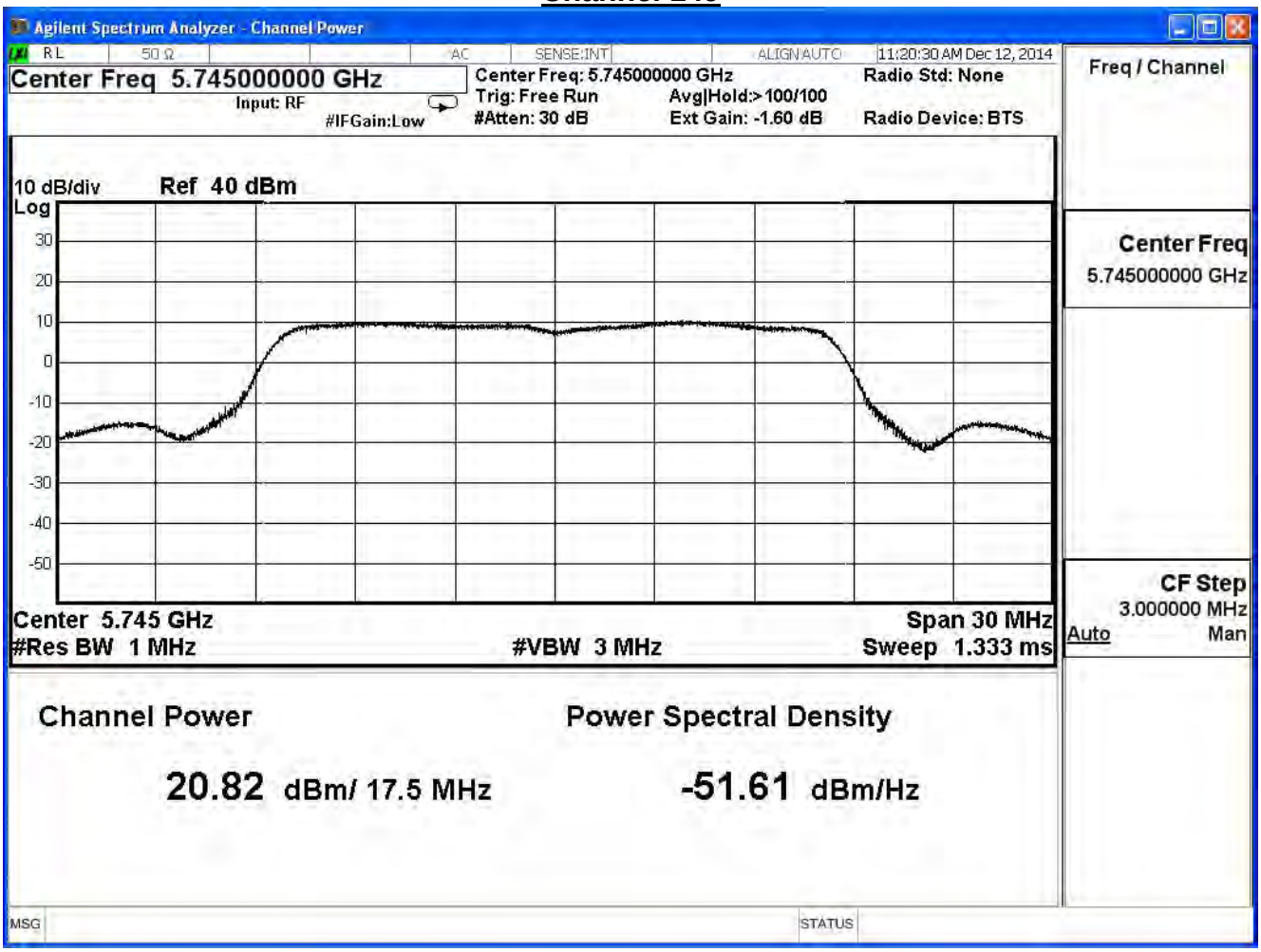
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

IEEE 802.11a (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	20.820	≦30	Pass
157	5785	20.510	≦30	Pass
165	5825	19.410	≦30	Pass

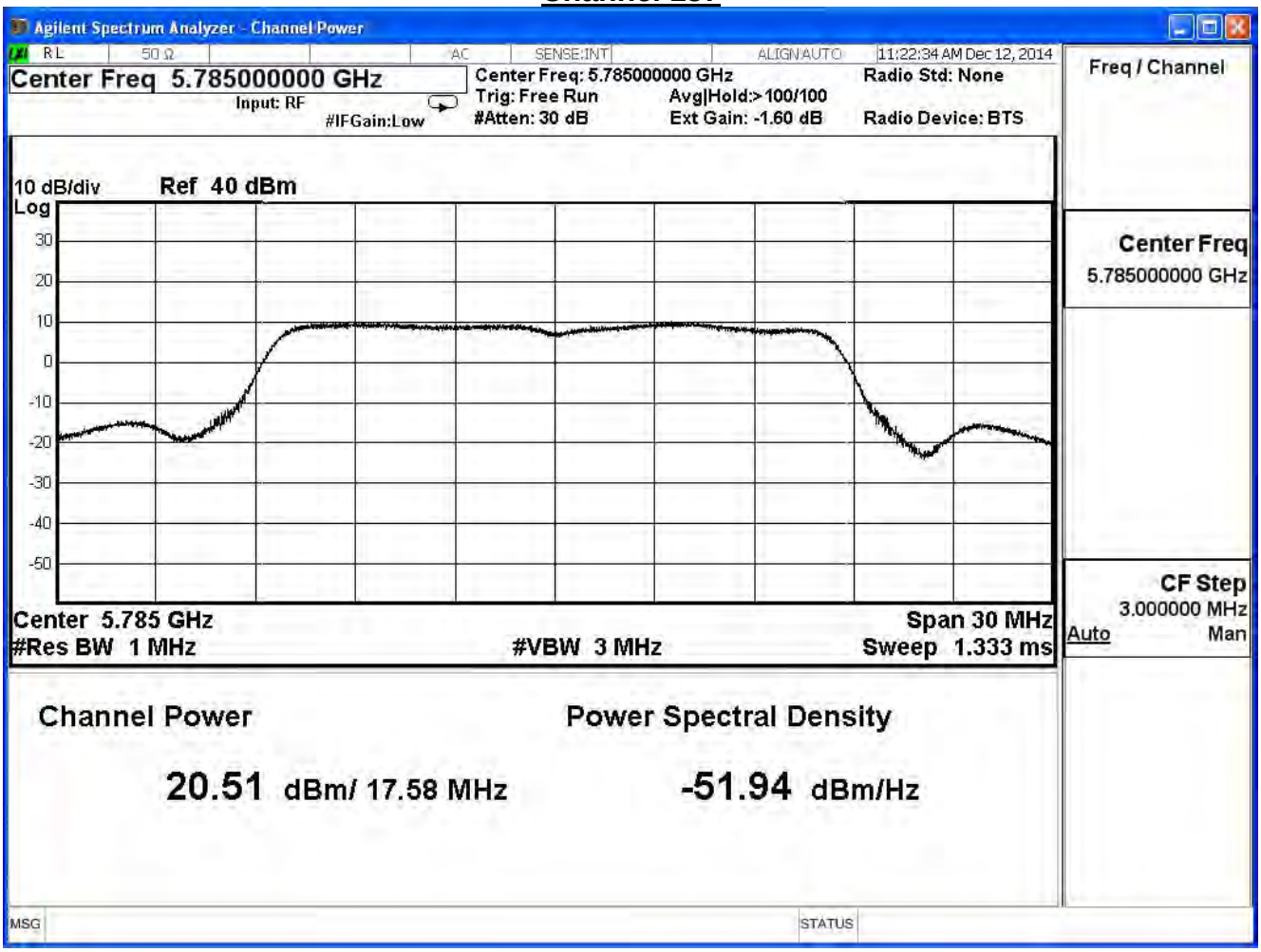
The worst emission of data rate is 6Mbps.

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
149	5745	20.82	--	--	--	--	--	--	1 Watt=30dBm
157	5785	20.51	20.41	20.21	20.09	19.99	19.75	19.63	1 Watt=30dBm
165	5825	19.41	--	--	--	--	--	--	1 Watt=30dBm

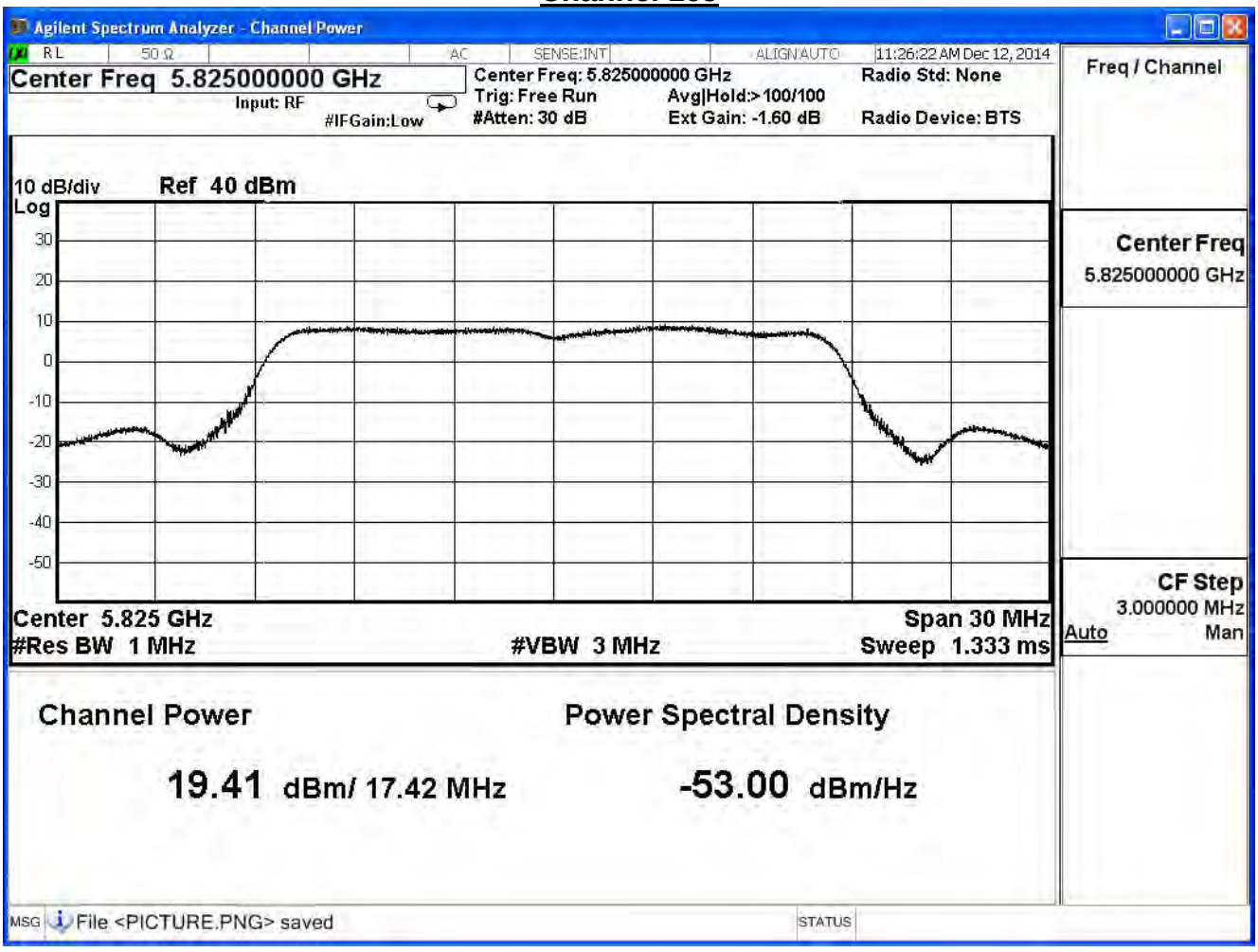
Channel 149


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
11:20:30 AM Dec 12, 2014
Center Freq 5.745000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.745000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.60 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.745000000 GHz
Center 5.745 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
20.82 dBm/ 17.5 MHz
Power Spectral Density
-51.61 dBm/Hz
MSG
STATUS

Channel 157


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
11:22:34 AM Dec 12, 2014
Center Freq 5.785000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.785000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.60 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.785000000 GHz
Center 5.785 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
20.51 dBm/ 17.58 MHz
Power Spectral Density
-51.94 dBm/Hz
MSG
STATUS

Channel 165


Agilent Spectrum Analyzer - Channel Power
RL 50 Ω AC SENSE:INT ALIGN AUTO 11:26:22 AM Dec 12, 2014
Center Freq 5.825000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.825000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.60 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.825000000 GHz
Center 5.825 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
19.41 dBm/ 17.42 MHz
Power Spectral Density
-53.00 dBm/Hz
MSG
File <PICTURE.PNG> saved
STATUS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

IEEE 802.11a (ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	25.433	≦30	Pass
157	5785	24.924	≦30	Pass
165	5825	24.193	≦30	Pass

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
149	5745	25.43	--	--	--	--	--	--	1 Watt=30dBm
157	5785	24.92	24.82	24.64	24.50	24.33	24.08	23.95	1 Watt=30dBm
165	5825	24.19	--	--	--	--	--	--	1 Watt=30dBm

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

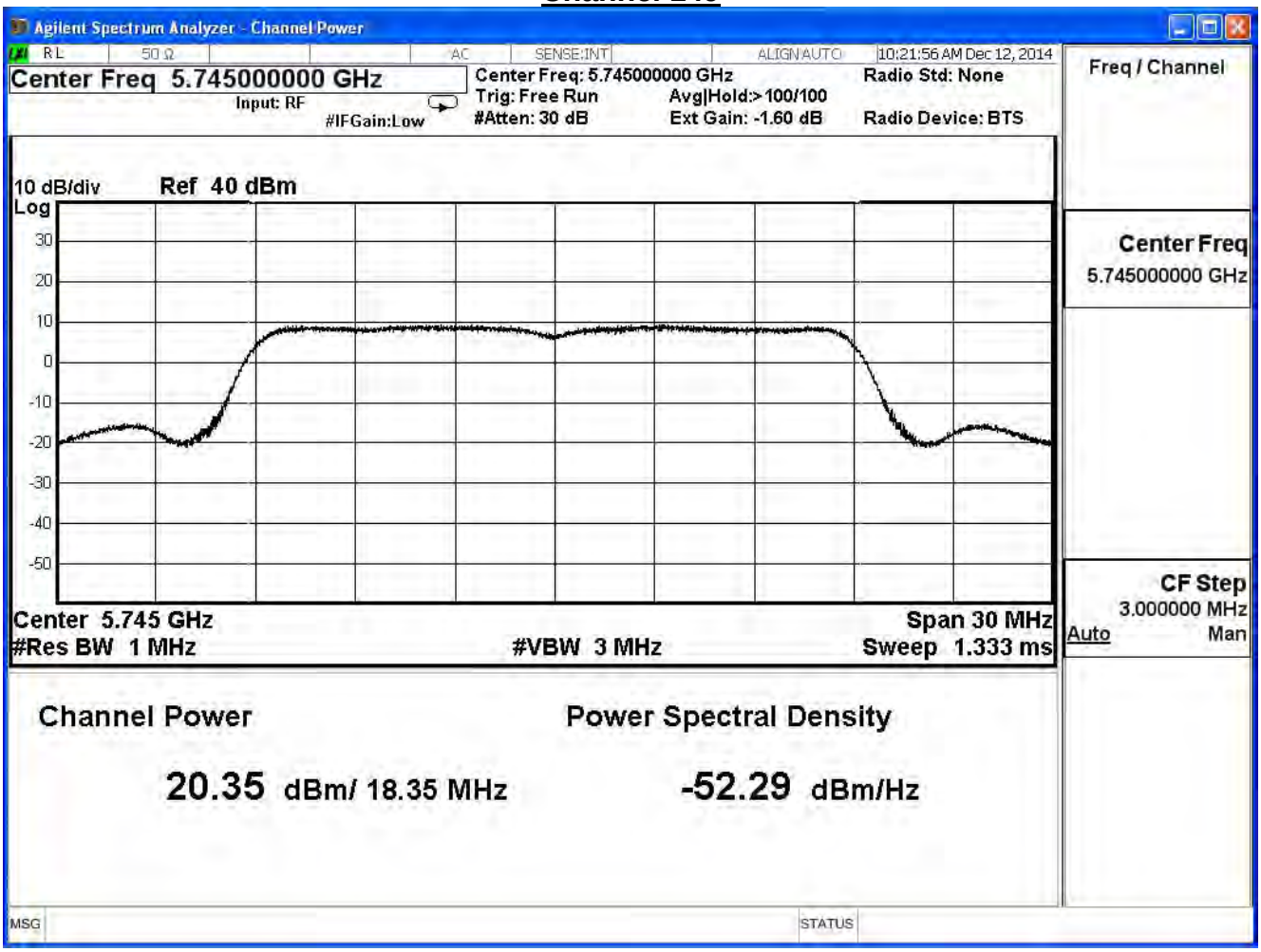
IEEE 802.11n 20MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	20.350	≦30	Pass
157	5785	20.390	≦30	Pass
165	5825	19.470	≦30	Pass

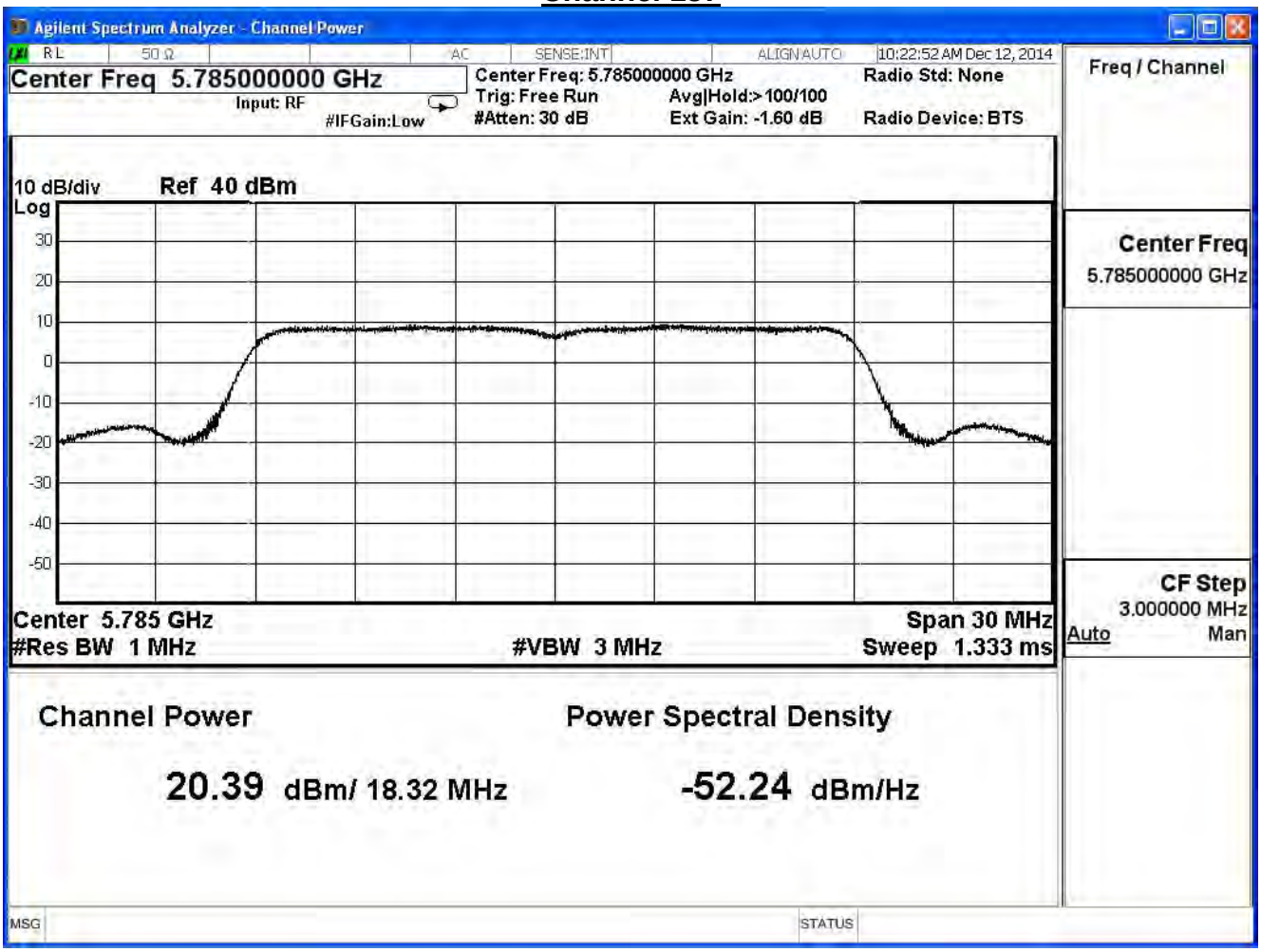
The worst emission of data rate is 6.5 Mbps.

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	
149	5745	20.35	--	--	--	--	--	--	--	1 Watt=30dBm
157	5785	20.39	20.17	20.07	19.97	19.73	19.49	19.19	19.07	1 Watt=30dBm
165	5825	19.47	--	--	--	--	--	--	--	1 Watt=30dBm

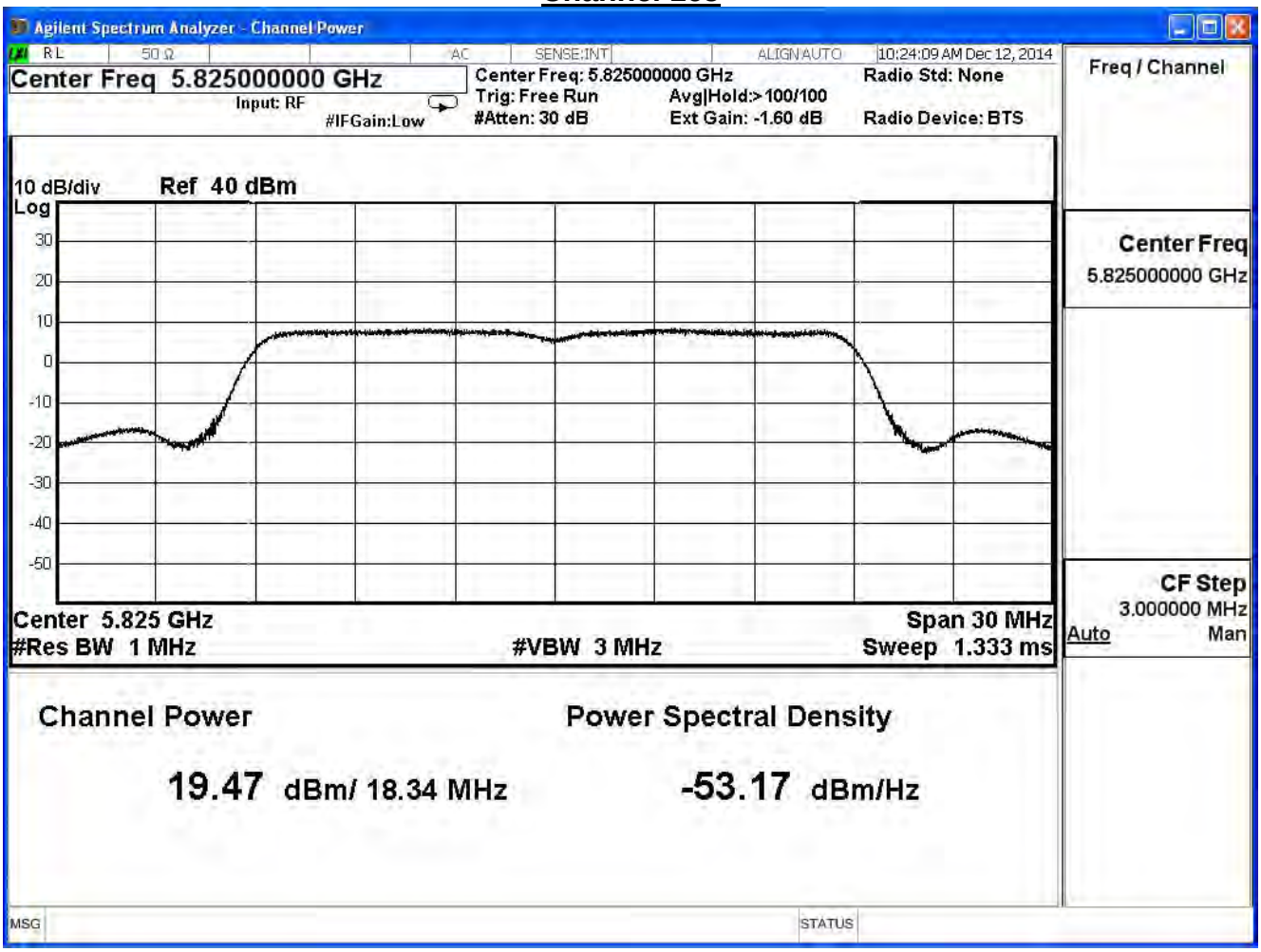
Channel 149


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:21:56 AM Dec 12, 2014
Center Freq 5.745000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.745000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.60 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.745000000 GHz
Center 5.745 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
20.35 dBm/ 18.35 MHz
Power Spectral Density
-52.29 dBm/Hz
MSG
STATUS

Channel 157


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:22:52 AM Dec 12, 2014
Center Freq 5.785000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.785000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.60 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.785000000 GHz
Center 5.785 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
20.39 dBm/ 18.32 MHz
Power Spectral Density
-52.24 dBm/Hz
MSG
STATUS

Channel 165


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:24:09 AM Dec 12, 2014
Center Freq 5.825000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.825000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.60 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.825000000 GHz
Center 5.825 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
19.47 dBm/ 18.34 MHz
Power Spectral Density
-53.17 dBm/Hz
MSG
STATUS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

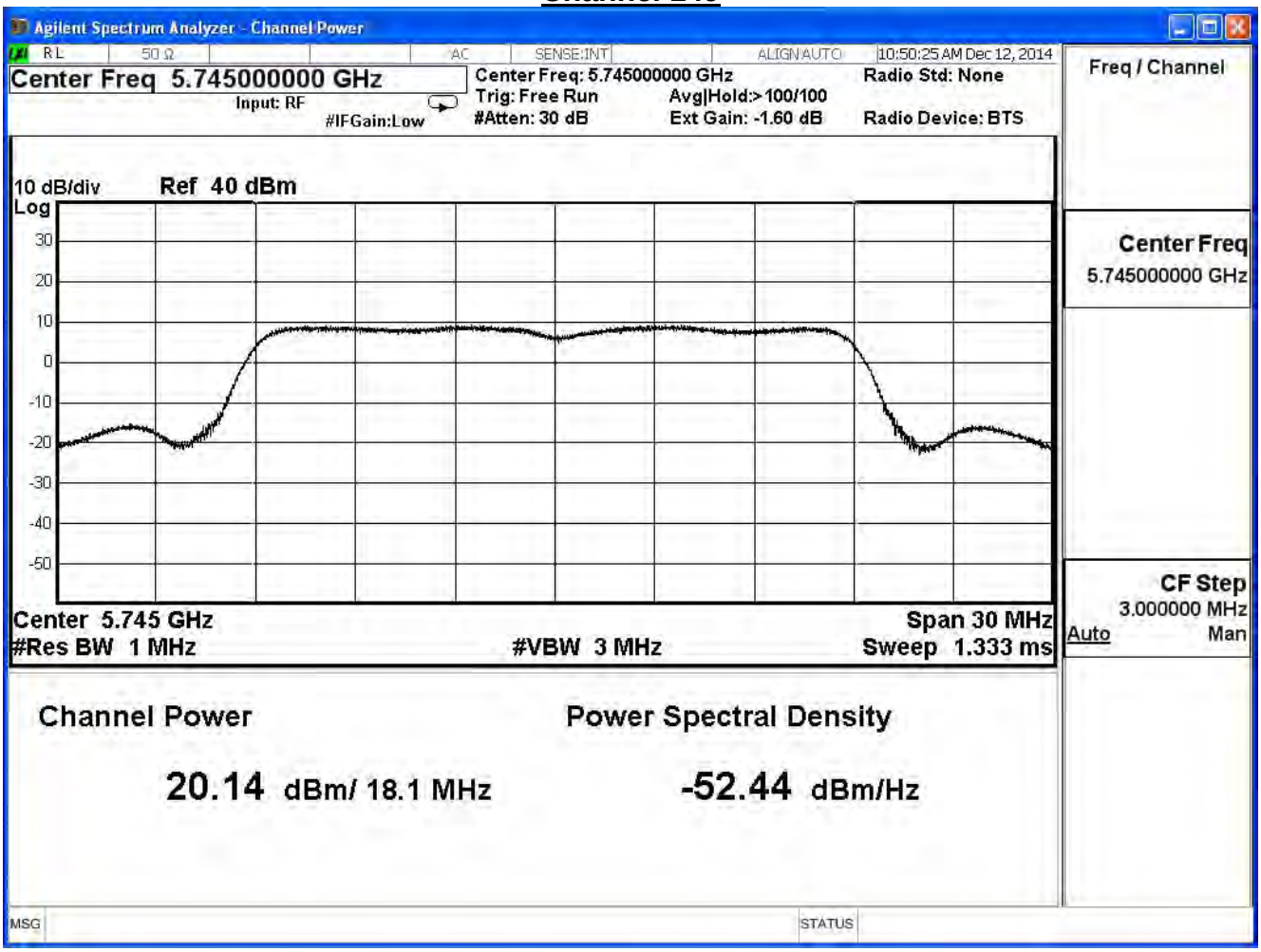
IEEE 802.11n 20MHz (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	20.140	≦30	Pass
157	5785	20.030	≦30	Pass
165	5825	19.290	≦30	Pass

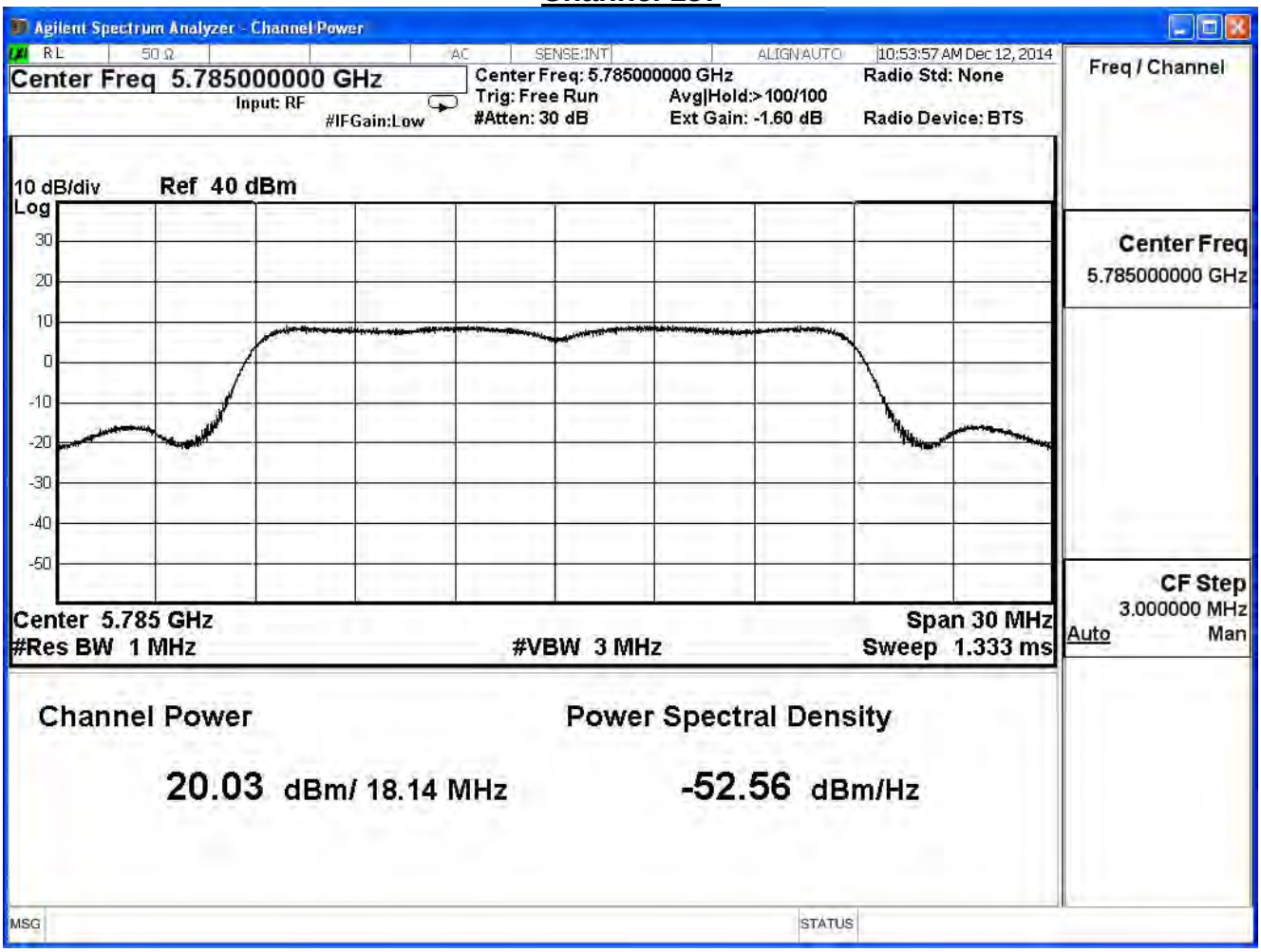
The worst emission of data rate is 6.5Mbps.

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		6.5	13	19.5	26	39	52	58.5	65	
149	5745	20.14	--	--	--	--	--	--	--	1 Watt=30dBm
157	5785	20.03	19.83	19.59	19.49	19.39	19.13	19.01	18.77	1 Watt=30dBm
165	5825	19.29	--	--	--	--	--	--	--	1 Watt=30dBm

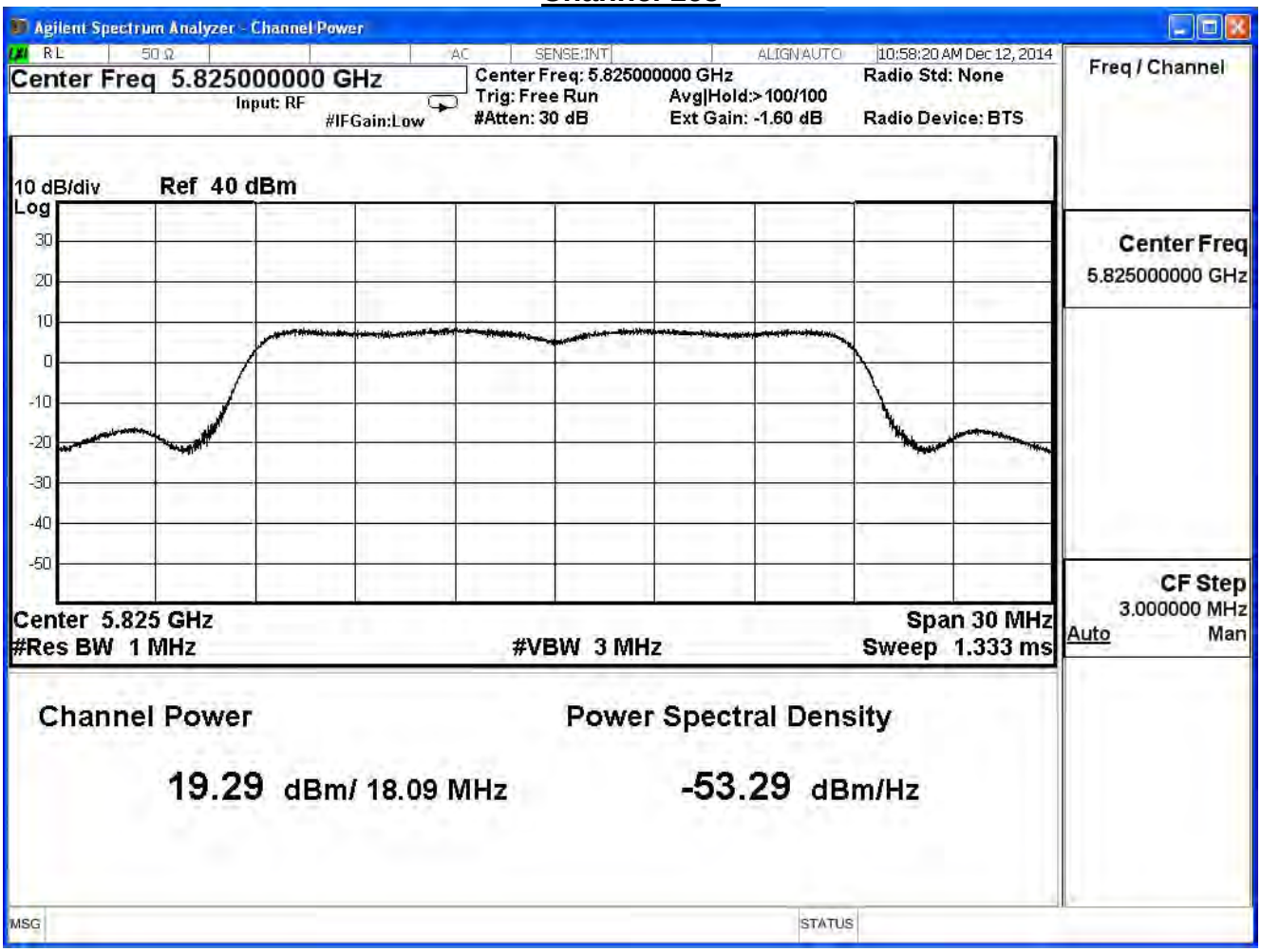
Channel 149


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:50:25 AM Dec 12, 2014
Center Freq 5.745000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.745000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.60 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.745000000 GHz
Center 5.745 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
20.14 dBm/ 18.1 MHz
Power Spectral Density
-52.44 dBm/Hz
MSG
STATUS

Channel 157


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:53:57 AM Dec 12, 2014
Center Freq 5.785000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.785000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.60 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.785000000 GHz
Center 5.785 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
20.03 dBm/ 18.14 MHz
Power Spectral Density
-52.56 dBm/Hz
MSG
STATUS

Channel 165


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:58:20 AM Dec 12, 2014
Center Freq 5.825000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.825000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.60 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.825000000 GHz
Center 5.825 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
19.29 dBm/ 18.09 MHz
Power Spectral Density
-53.29 dBm/Hz
MSG
STATUS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

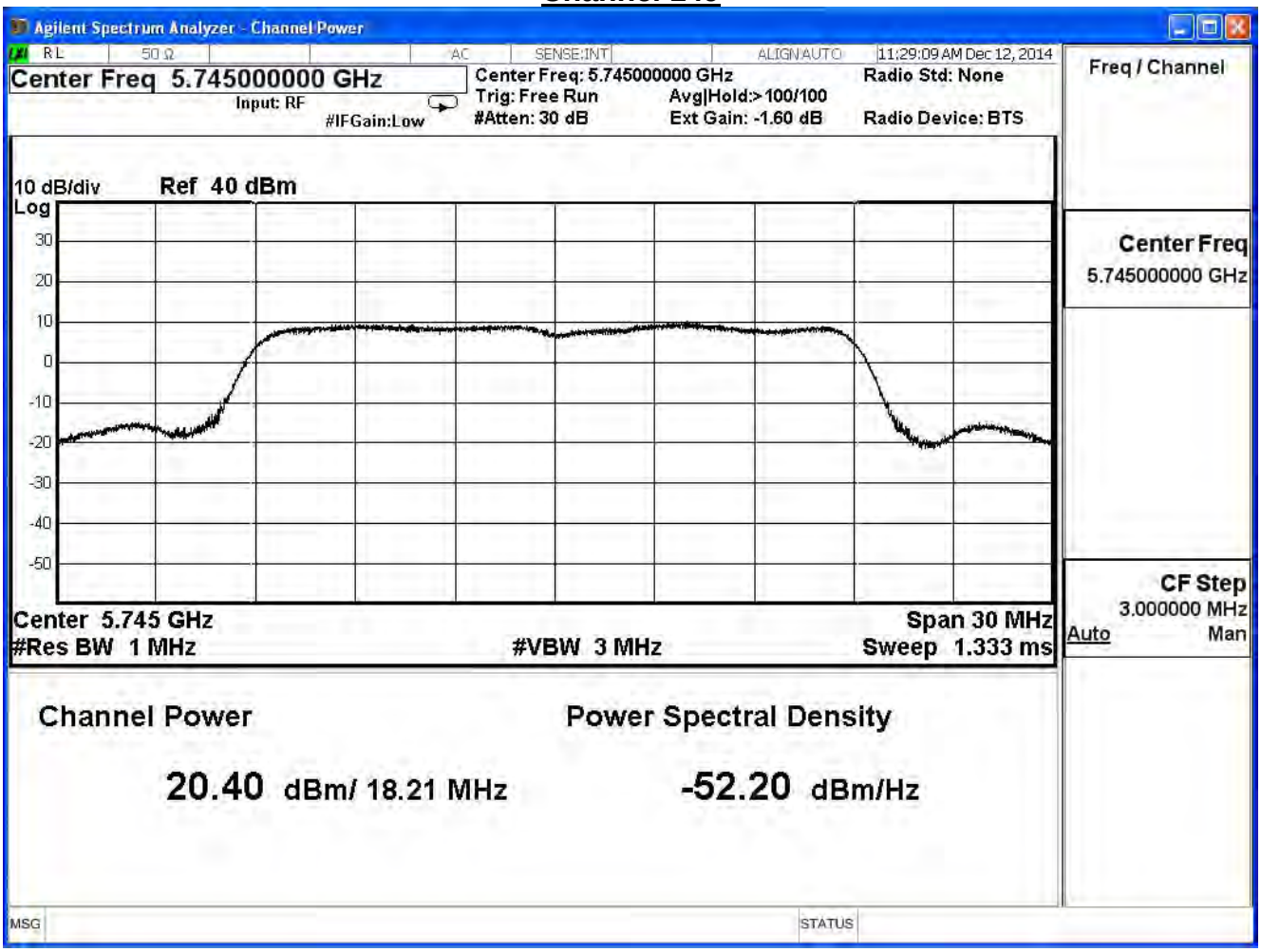
IEEE 802.11n 20MHz (ANT 2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	20.400	≦30	Pass
157	5785	20.740	≦30	Pass
165	5825	19.420	≦30	Pass

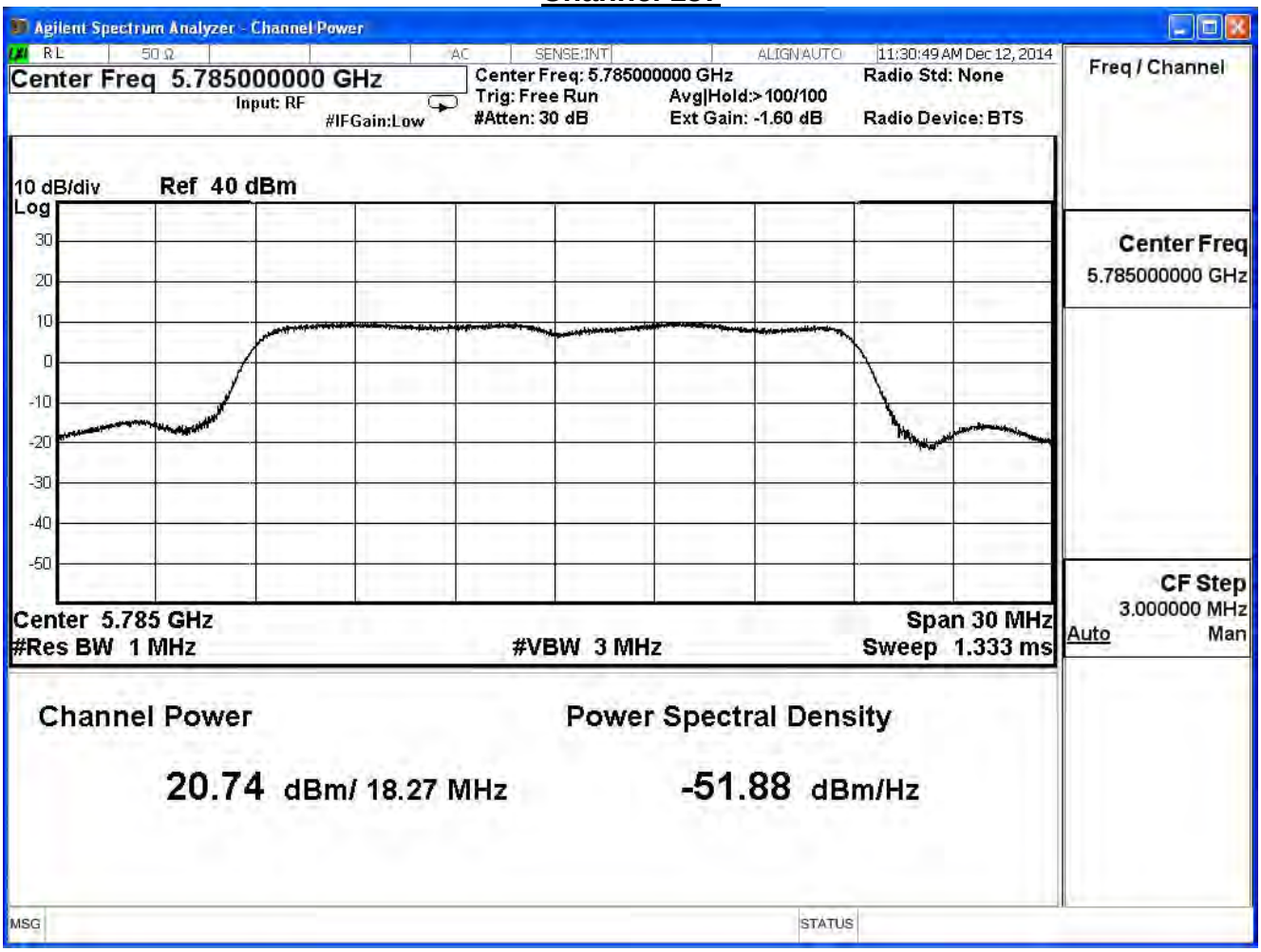
The worst emission of data rate is 6.5Mbps.

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		6.5	13	19.5	26	39	52	58.5	65	
149	5745	20.40	--	--	--	--	--	--	--	1 Watt=30dBm
157	5785	20.74	20.54	20.34	20.22	20.12	20.00	19.88	19.64	1 Watt=30dBm
165	5825	19.42	--	--	--	--	--	--	--	1 Watt=30dBm

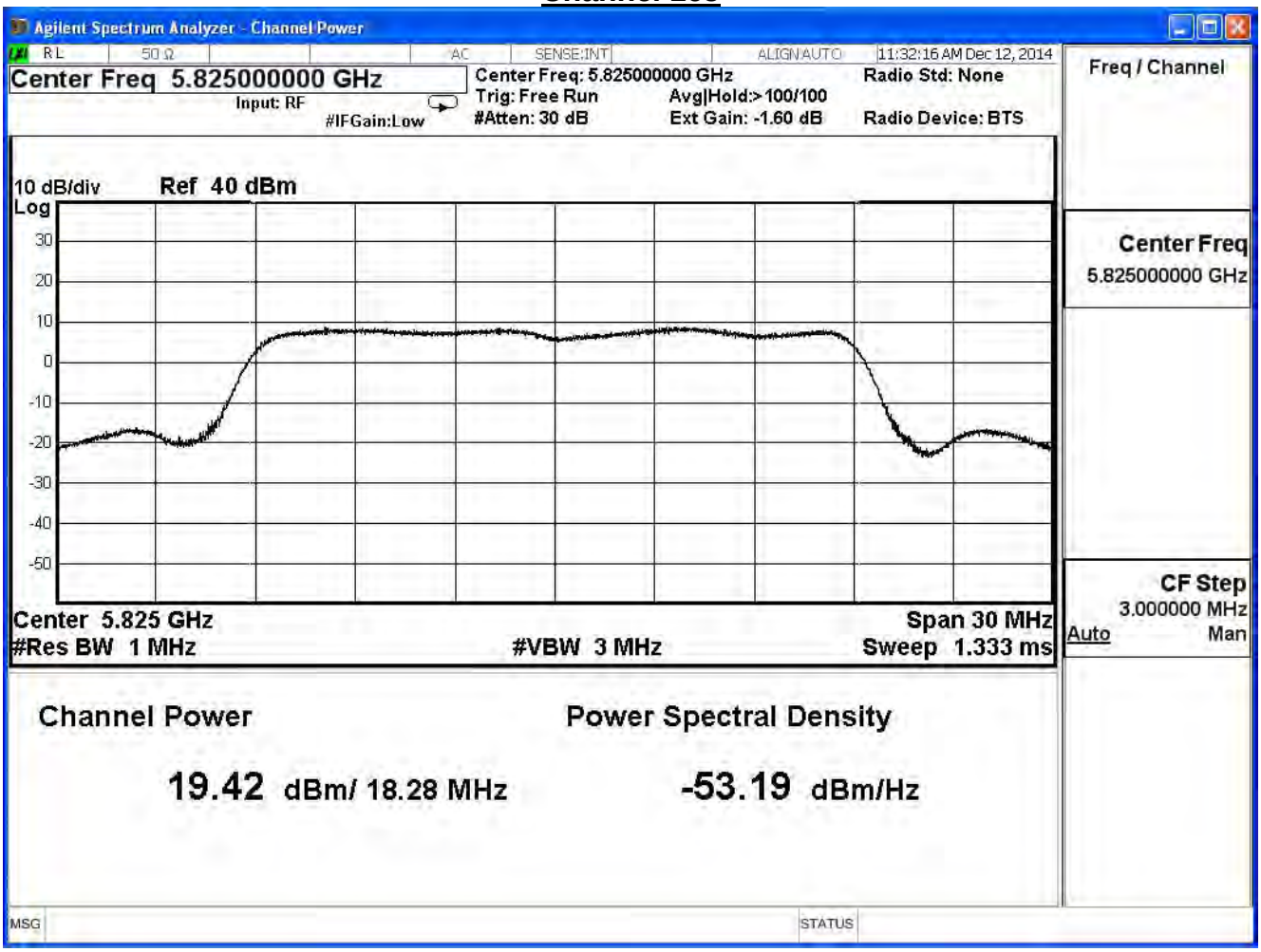
Channel 149


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
11:29:09 AM Dec 12, 2014
Center Freq 5.745000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.745000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.60 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.745000000 GHz
Center 5.745 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
20.40 dBm/ 18.21 MHz
Power Spectral Density
-52.20 dBm/Hz
MSG
STATUS

Channel 157


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
11:30:49 AM Dec 12, 2014
Center Freq 5.785000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.785000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.60 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.785000000 GHz
Center 5.785 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
20.74 dBm/ 18.27 MHz
Power Spectral Density
-51.88 dBm/Hz
MSG
STATUS

Channel 165


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
11:32:16 AM Dec 12, 2014
Center Freq 5.825000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.825000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.60 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.825000000 GHz
Center 5.825 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
19.42 dBm/ 18.28 MHz
Power Spectral Density
-53.19 dBm/Hz
MSG
STATUS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	25.069	≦30	Pass
157	5785	25.168	≦30	Pass
165	5825	24.165	≦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	
149	5745	25.07	--	--	--	--	--	--	--	1 Watt=30dBm
157	5785	25.17	24.96	24.78	24.68	24.53	24.33	24.15	23.95	1 Watt=30dBm
165	5825	24.17	--	--	--	--	--	--	--	1 Watt=30dBm

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

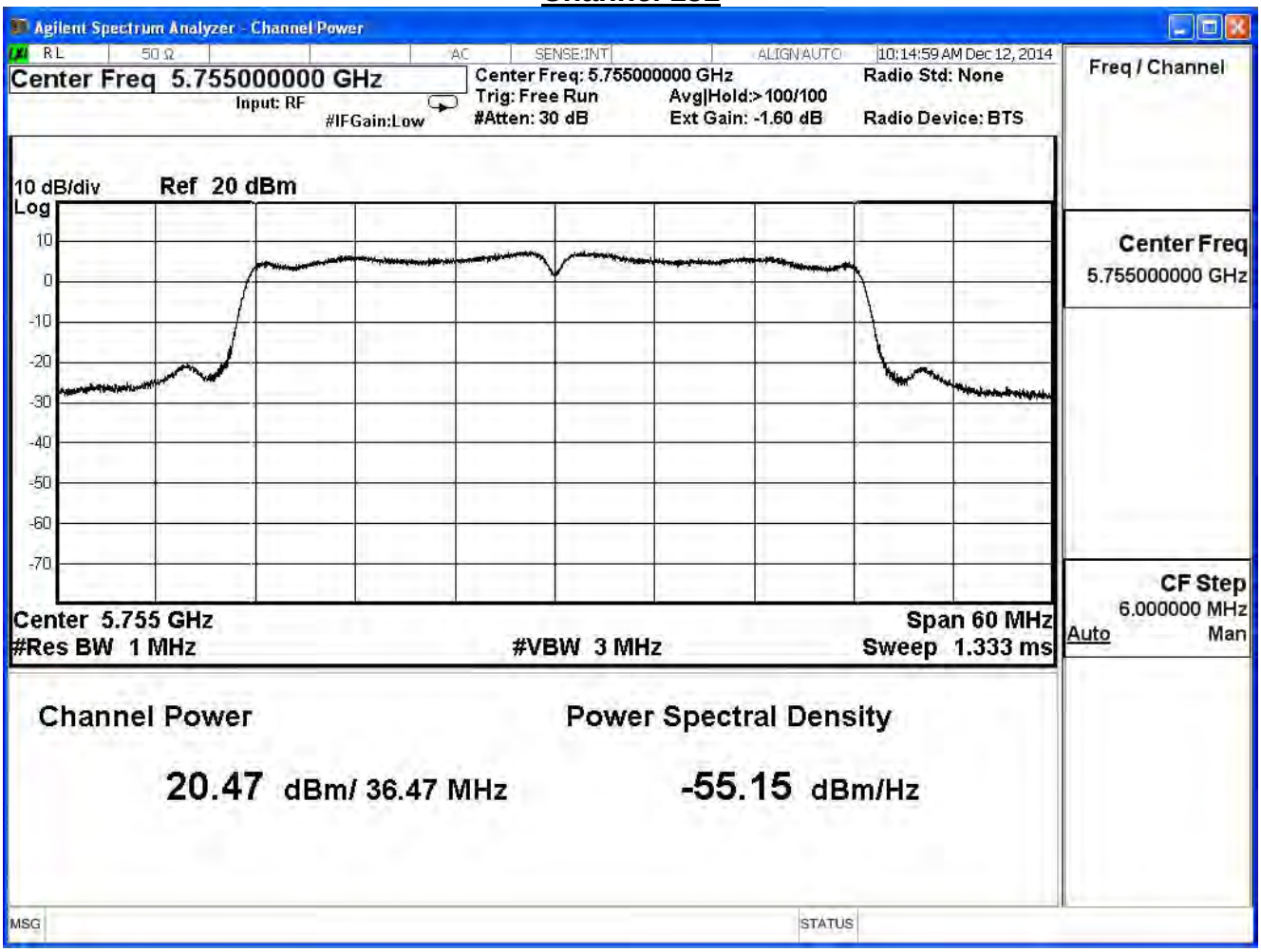
IEEE802.11n 40MHz(ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	20.470	≦30	Pass
159	5795	18.330	≦30	Pass

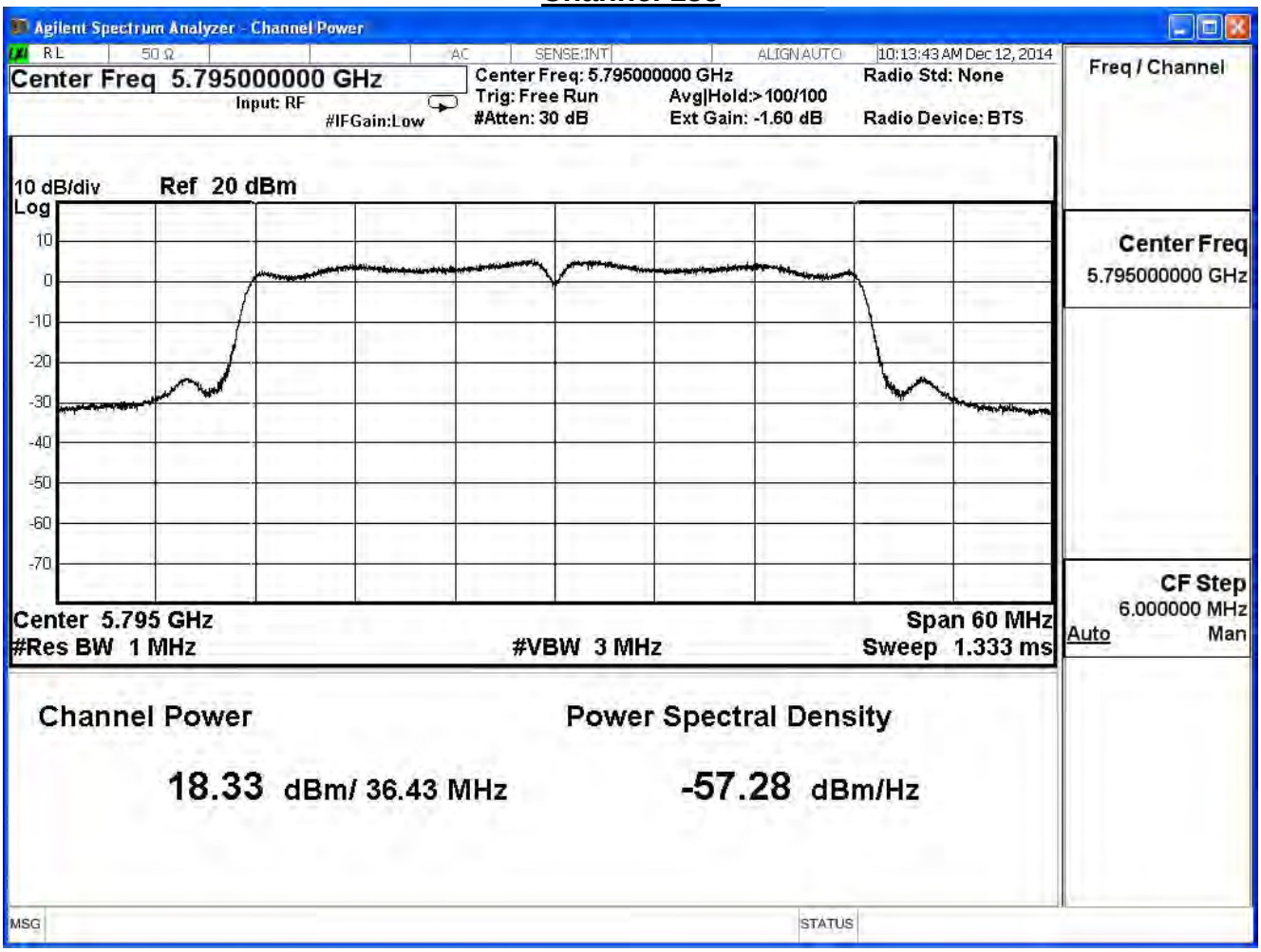
The worst emission of data rate is 13.5 Mbps.

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	
151	5755	20.47	--	--	--	--	--	--	--	1 Watt=30dBm
159	5795	18.33	18.13	17.93	17.73	17.53	17.29	17.17	17.05	1 Watt=30dBm

Channel 151


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:14:59 AM Dec 12, 2014
Center Freq 5.755000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.755000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.60 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
5.755000000 GHz
Center 5.755 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 60 MHz
Sweep 1.333 ms
CF Step
6.000000 MHz
Auto
Man
Channel Power
20.47 dBm/ 36.47 MHz
Power Spectral Density
-55.15 dBm/Hz
MSG
STATUS

Channel 159


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:13:43 AM Dec 12, 2014
Center Freq 5.795000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.795000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.60 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Ref 20 dBm
Log
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
5.795000000 GHz
Center 5.795 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 60 MHz
Sweep 1.333 ms
CF Step
6.000000 MHz
Auto
Man
Channel Power
18.33 dBm/ 36.43 MHz
Power Spectral Density
-57.28 dBm/Hz
MSG
STATUS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

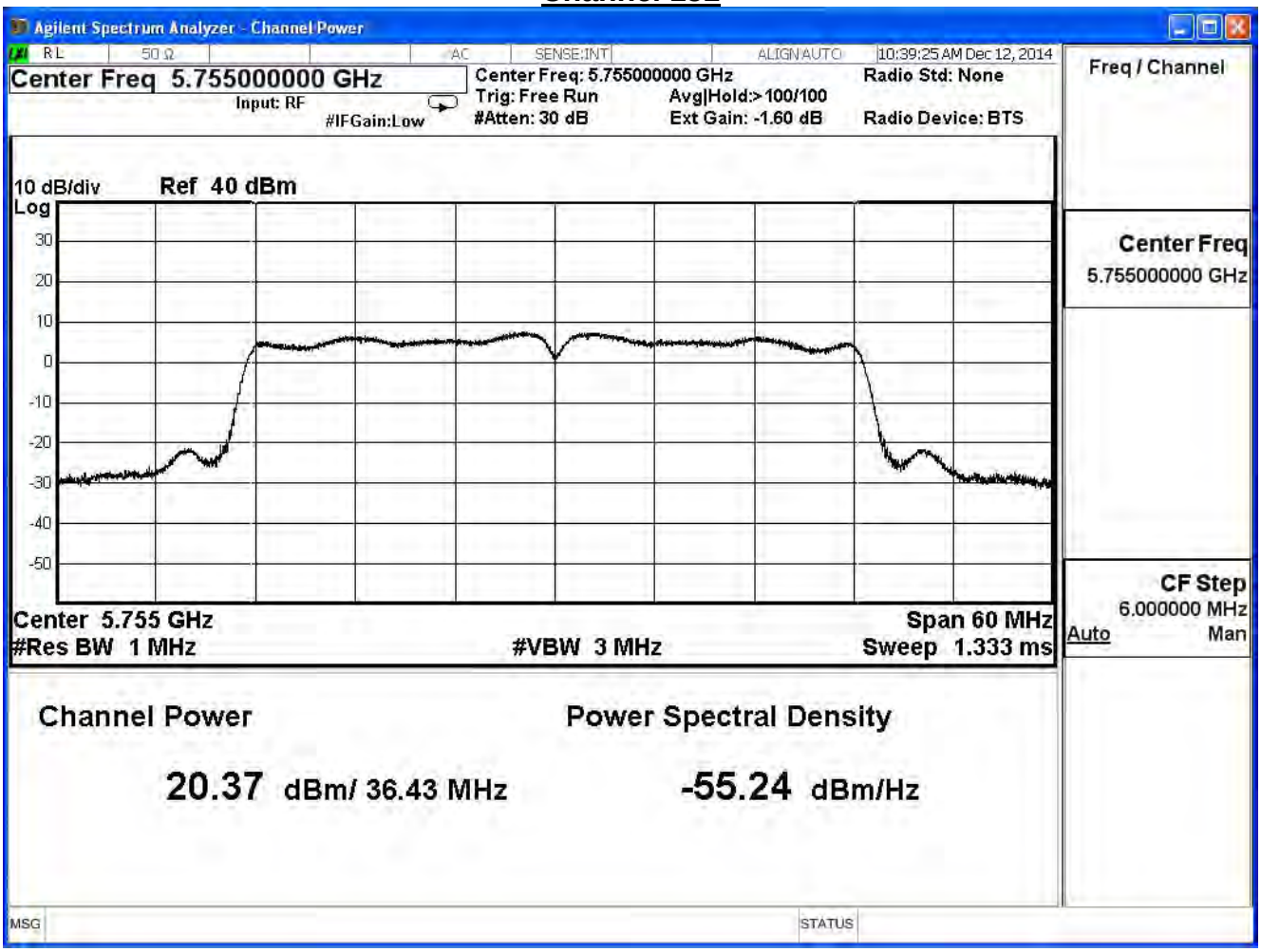
IEEE802.11n 40MHz(ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	20.370	≦30	Pass
159	5795	18.660	≦30	Pass

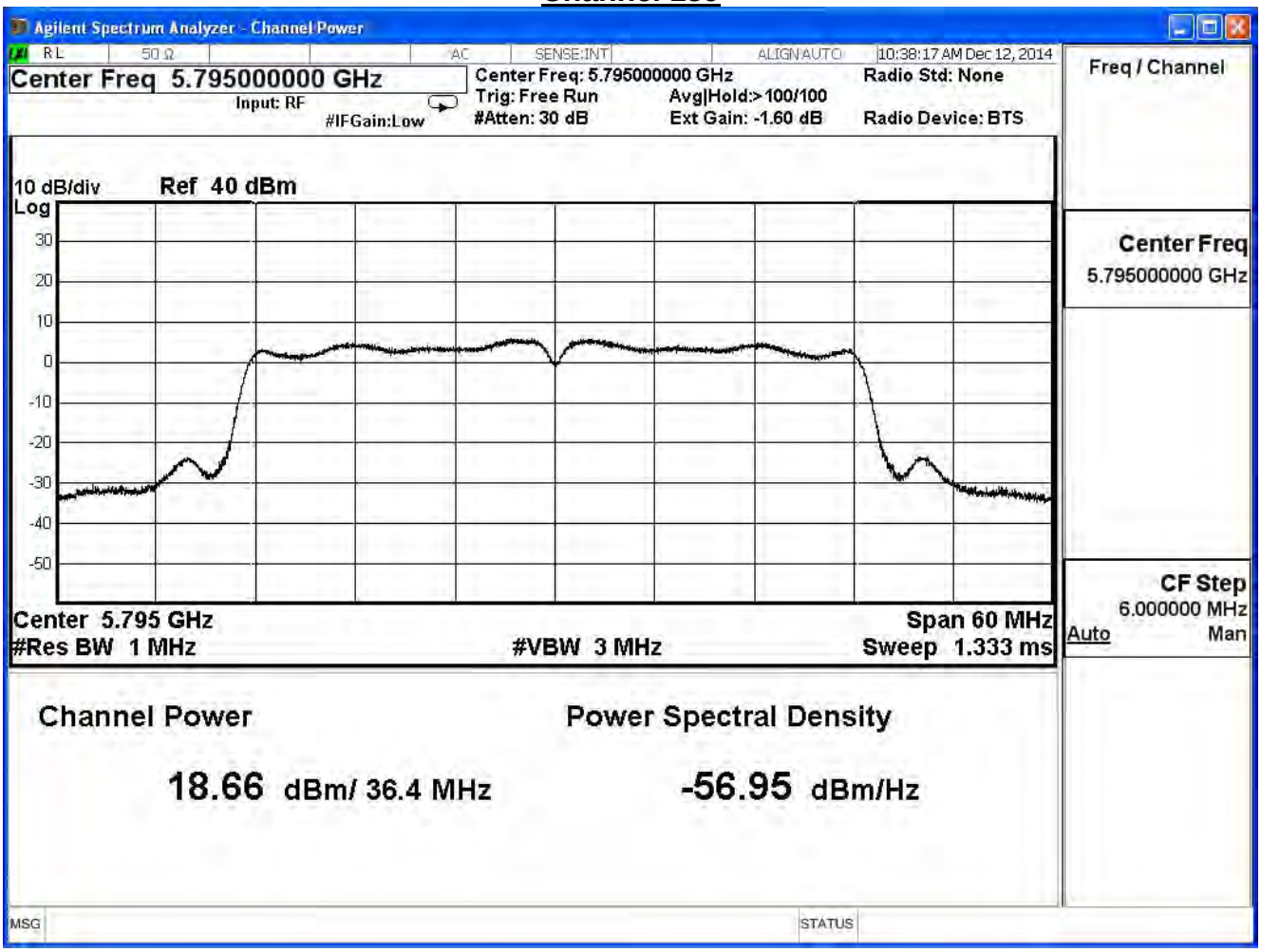
The worst emission of data rate is 13.5 Mbps.

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	
151	5755	20.37	--	--	--	--	--	--	--	1 Watt=30dBm
159	5795	18.66	18.56	18.36	18.16	17.96	17.72	17.48	17.36	1 Watt=30dBm

Channel 151


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:39:25 AM Dec 12, 2014
Center Freq 5.755000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.755000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.60 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.755000000 GHz
Center 5.755 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 60 MHz
Sweep 1.333 ms
CF Step
6.000000 MHz
Auto
Man
Channel Power
20.37 dBm/ 36.43 MHz
Power Spectral Density
-55.24 dBm/Hz
MSG
STATUS

Channel 159


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:38:17 AM Dec 12, 2014
Center Freq 5.795000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.795000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.60 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.795000000 GHz
Center 5.795 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 60 MHz
Sweep 1.333 ms
CF Step
6.000000 MHz
Auto
Man
Channel Power
18.66 dBm/ 36.4 MHz
Power Spectral Density
-56.95 dBm/Hz
MSG
STATUS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

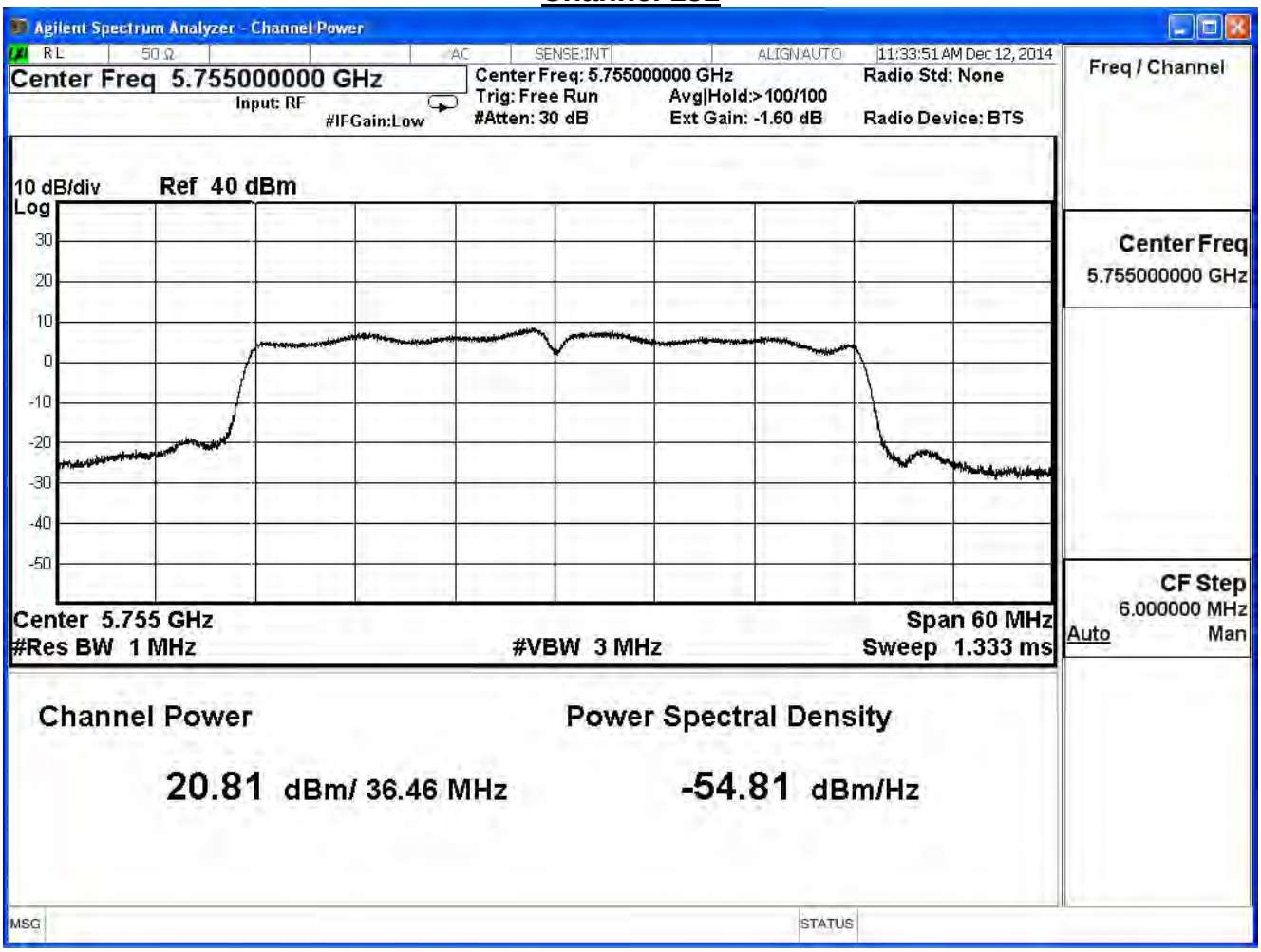
IEEE802.11n 40MHz(ANT 2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	20.810	≦30	Pass
159	5795	19.150	≦30	Pass

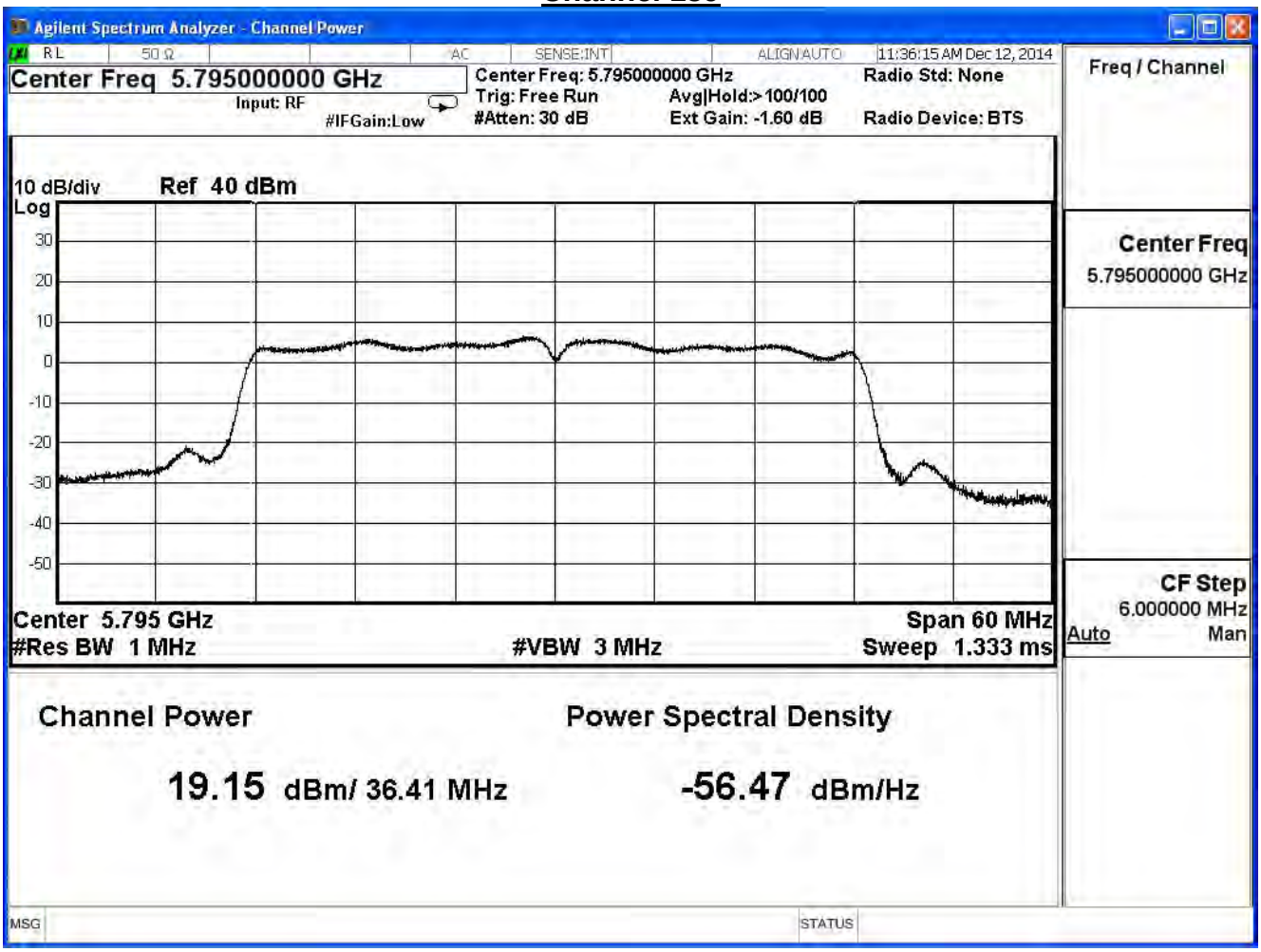
The worst emission of data rate is 13.5 Mbps.

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	
151	5755	20.81	--	--	--	--	--	--	--	30dBm
159	5795	19.15	18.95	18.75	18.55	18.35	18.11	17.99	17.87	30dBm

Channel 151


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
11:33:51 AM Dec 12, 2014
Center Freq 5.755000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.755000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.60 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.755000000 GHz
Center 5.755 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 60 MHz
Sweep 1.333 ms
CF Step
6.000000 MHz
Auto
Man
Channel Power
20.81 dBm/ 36.46 MHz
Power Spectral Density
-54.81 dBm/Hz
MSG
STATUS

Channel 159


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
11:36:15 AM Dec 12, 2014
Center Freq 5.795000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.795000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.60 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.795000000 GHz
Center 5.795 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 60 MHz
Sweep 1.333 ms
CF Step
6.000000 MHz
Auto
Man
Channel Power
19.15 dBm/ 36.41 MHz
Power Spectral Density
-56.47 dBm/Hz
MSG
STATUS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	25.325	≦30	Pass
159	5795	23.498	≦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	
151	5755	25.33	--	--	--	--	--	--	--	30dBm
159	5795	23.50	23.33	23.13	22.93	22.73	22.49	22.33	22.21	30dBm

4. Radiated Emission

4.1. Test Equipment

The following test equipments are used during the test:

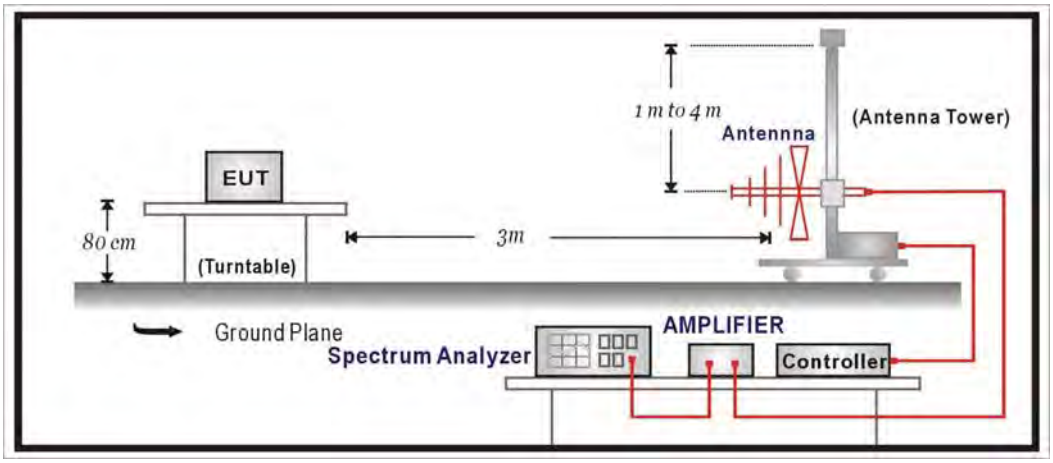
Radiated Emission / CB1

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

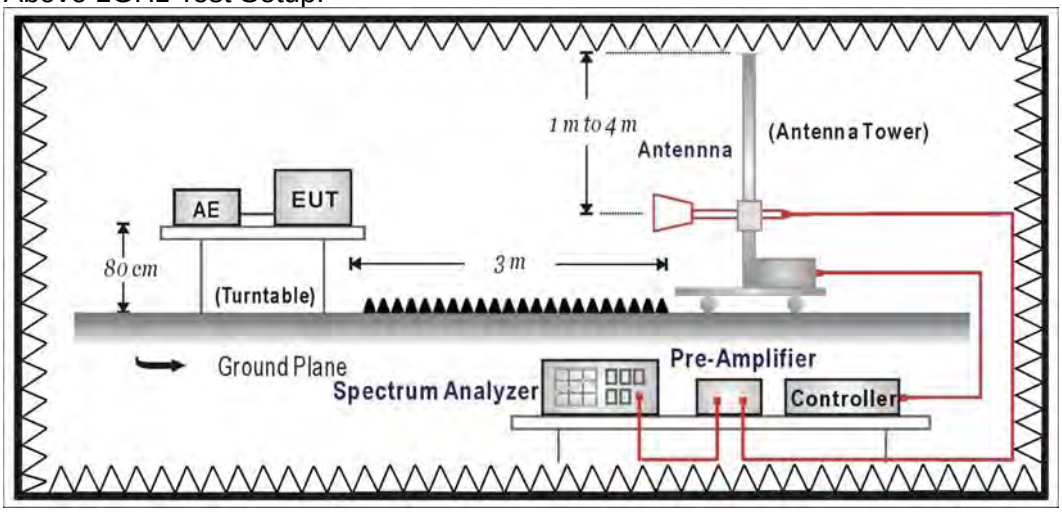
Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

4.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



4.3. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

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

Remarks: E field strength (dBuV/m) = 20 log E field strength (uV/m)

4.4. Test Procedure

The EUT was setup according to ANSI C63.10: 2009 and tested according to DTS test procedure of KDB558074 v03r02 for compliance to FCC 47CFR 15.247 requirements.
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 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.
On any frequency or frequencies below or equal to 1000 MHz, the limits shown are based on measuring equipment employing a quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limits shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.
The bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz.

4.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2013

4.6. Uncertainty

The measurement uncertainty

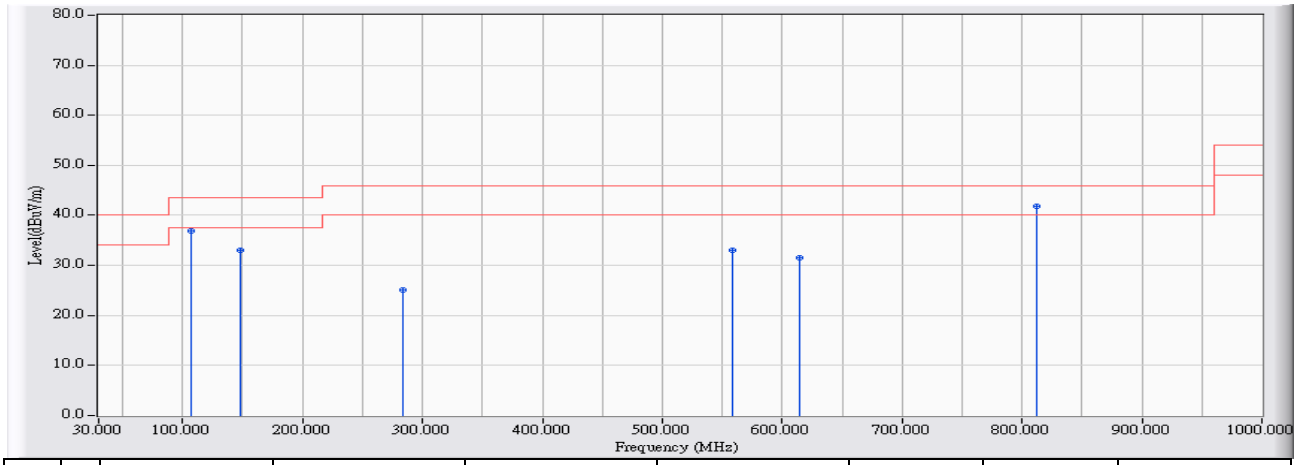
30MHz～1GHz as ±3.43dB

1GHz～26.5Ghz as ±3.65dB

4.7. Test Result

30MHz-1GHz Spurious

Site : CB1	**Time : 2015/01/26 - 18:03**
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 802.11b_2437MHz**

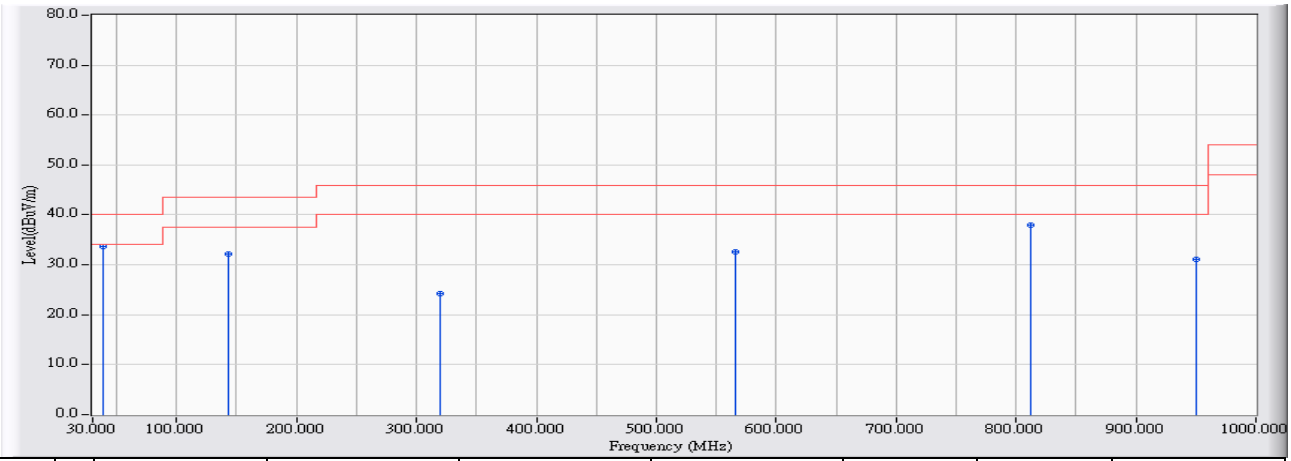


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		106.630	-13.949	50.771	36.821	-6.679	43.500	QUASIPEAK
2		148.340	-14.352	47.315	32.964	-10.536	43.500	QUASIPEAK
3		284.140	-11.722	36.869	25.148	-20.852	46.000	QUASIPEAK
4		558.165	-7.679	40.705	33.026	-12.974	46.000	QUASIPEAK
5		614.425	-7.515	39.040	31.525	-14.475	46.000	QUASIPEAK
6	*	812.790	-6.382	48.115	41.733	-4.267	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 - 18:07**
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 802.11b_2437MHz**

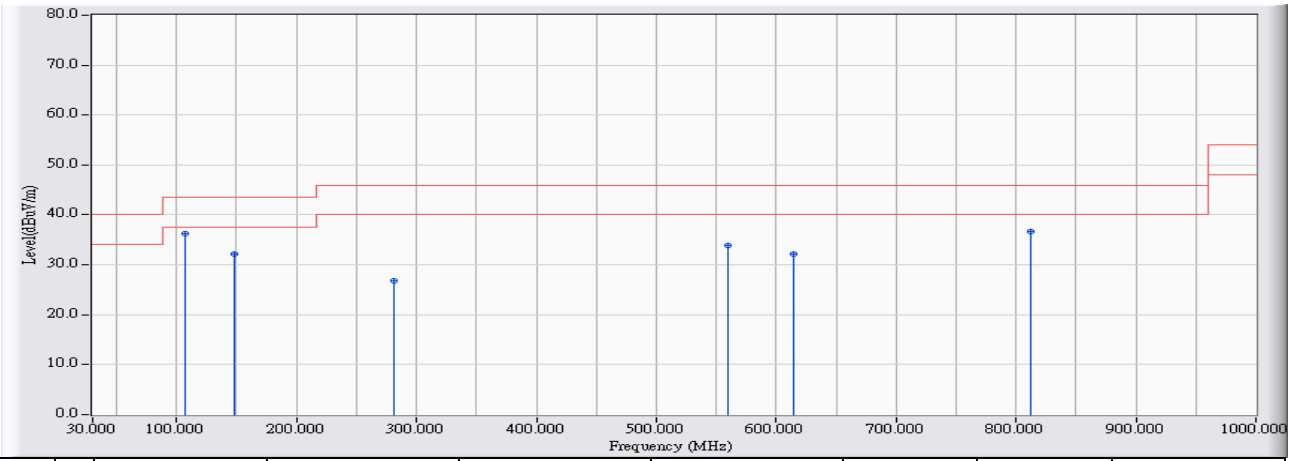


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	38.730	-13.098	46.854	33.756	-6.244	40.000	QUASIPEAK
2		143.490	-14.115	46.383	32.268	-11.232	43.500	QUASIPEAK
3		320.030	-11.082	35.375	24.293	-21.707	46.000	QUASIPEAK
4		565.440	-7.658	40.214	32.556	-13.444	46.000	QUASIPEAK
5		812.790	-6.382	44.420	38.038	-7.962	46.000	QUASIPEAK
6		950.530	-5.839	36.842	31.002	-14.998	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 - 18:11**
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 802.11g_2437MHz**

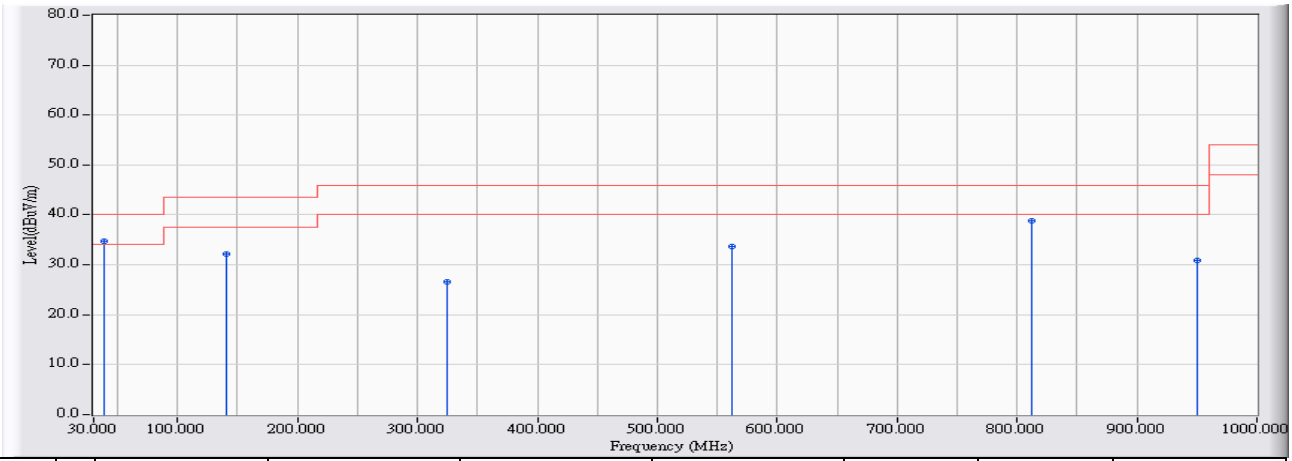


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	106.630	-13.949	50.285	36.335	-7.165	43.500	QUASIPEAK
2		148.340	-14.352	46.419	32.068	-11.432	43.500	QUASIPEAK
3		281.715	-11.758	38.647	26.889	-19.111	46.000	QUASIPEAK
4		560.105	-7.674	41.626	33.953	-12.047	46.000	QUASIPEAK
5		614.910	-7.512	39.610	32.097	-13.903	46.000	QUASIPEAK
6		812.790	-6.382	42.991	36.609	-9.391	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2015/01/26 - 18:16**
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 802.11g_2437MHz**

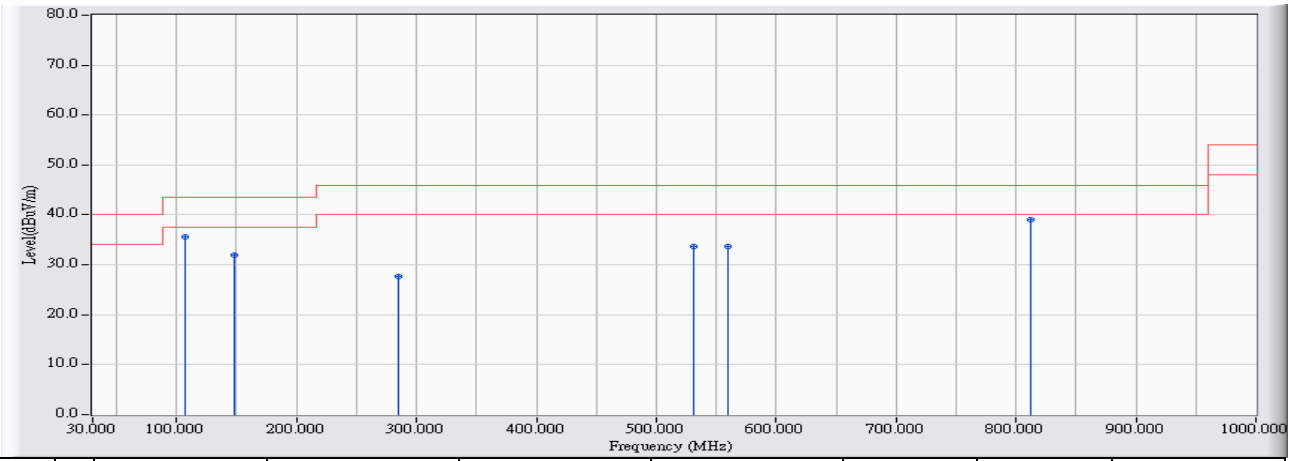


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	38.730	-13.098	47.840	34.742	-5.258	40.000	QUASIPEAK
2		141.065	-13.997	46.269	32.272	-11.228	43.500	QUASIPEAK
3		324.395	-10.996	37.535	26.540	-19.460	46.000	QUASIPEAK
4		562.530	-7.666	41.324	33.658	-12.342	46.000	QUASIPEAK
5		812.790	-6.382	45.272	38.890	-7.110	46.000	QUASIPEAK
6		950.530	-5.839	36.783	30.943	-15.057	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 - 18:22**
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)_2437MHz**

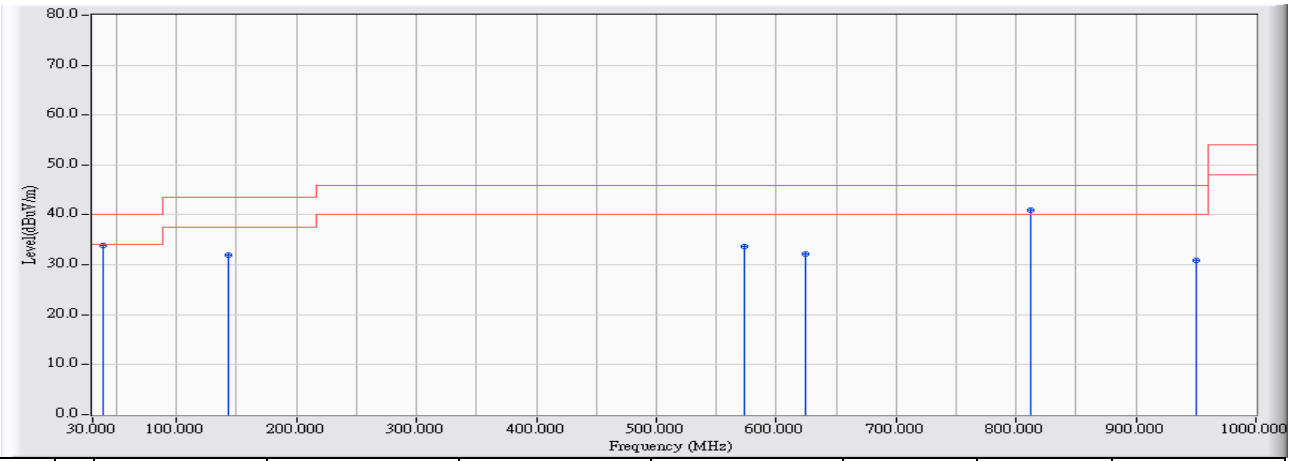


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		106.630	-13.949	49.626	35.676	-7.824	43.500	QUASIPEAK
2		148.340	-14.352	46.261	31.910	-11.590	43.500	QUASIPEAK
3		285.110	-11.706	39.274	27.567	-18.433	46.000	QUASIPEAK
4		531.005	-7.755	41.440	33.685	-12.315	46.000	QUASIPEAK
5		560.105	-7.674	41.431	33.758	-12.242	46.000	QUASIPEAK
6	*	812.790	-6.382	45.310	38.928	-7.072	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 - 18:26**
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)_2437MHz**

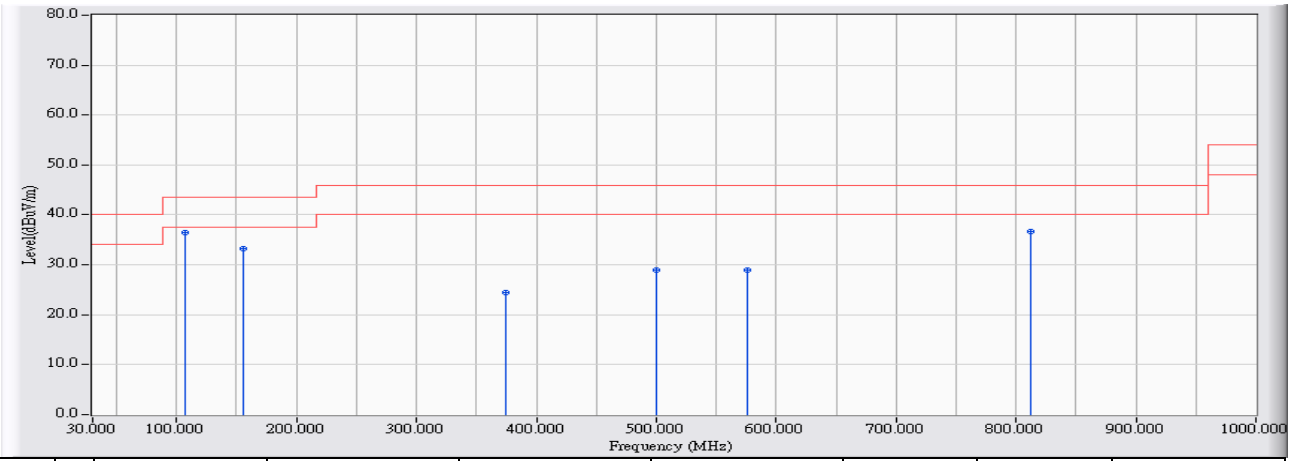


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		38.730	-13.098	46.997	33.899	-6.101	40.000	QUASIPEAK
2		143.490	-14.115	46.136	32.021	-11.479	43.500	QUASIPEAK
3		573.685	-7.635	41.238	33.603	-12.397	46.000	QUASIPEAK
4		624.125	-7.484	39.670	32.186	-13.814	46.000	QUASIPEAK
5	*	812.790	-6.382	47.282	40.900	-5.100	46.000	QUASIPEAK
6		950.530	-5.839	36.724	30.884	-15.116	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 - 18:30**
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)_2437MHz**

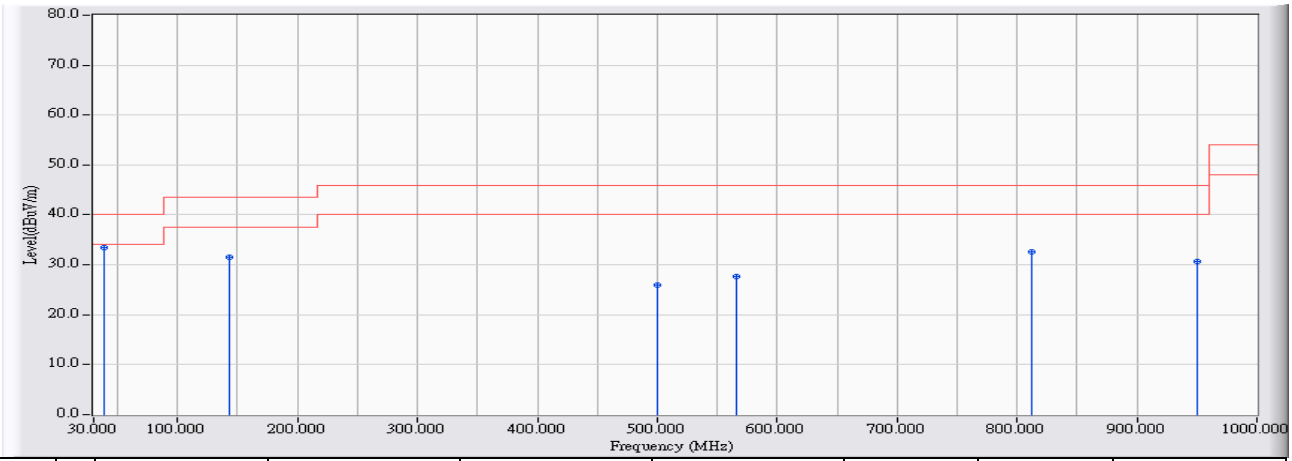


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	106.630	-13.949	50.470	36.520	-6.980	43.500	QUASIPEAK
2		155.615	-14.704	48.047	33.342	-10.158	43.500	QUASIPEAK
3		374.835	-9.991	34.514	24.523	-21.477	46.000	QUASIPEAK
4		500.450	-7.839	36.841	29.002	-16.998	46.000	QUASIPEAK
5		576.110	-7.629	36.494	28.866	-17.134	46.000	QUASIPEAK
6		812.790	-6.382	43.034	36.652	-9.348	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 - 18:35**
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(40MHz)_2437MHz**

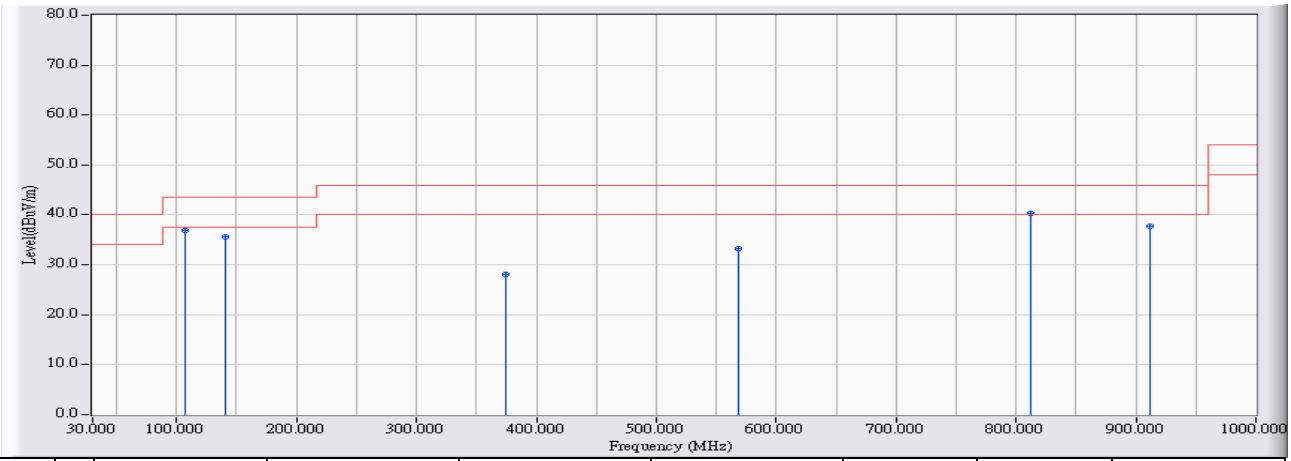


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	38.730	-13.098	46.584	33.486	-6.514	40.000	QUASIPEAK
2		143.490	-14.115	45.678	31.563	-11.937	43.500	QUASIPEAK
3		500.450	-7.839	33.772	25.933	-20.067	46.000	QUASIPEAK
4		565.925	-7.657	35.288	27.631	-18.369	46.000	QUASIPEAK
5		812.790	-6.382	38.894	32.512	-13.488	46.000	QUASIPEAK
6		950.530	-5.839	36.530	30.690	-15.310	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 - 18:39**
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 802.11b_2437MHz**

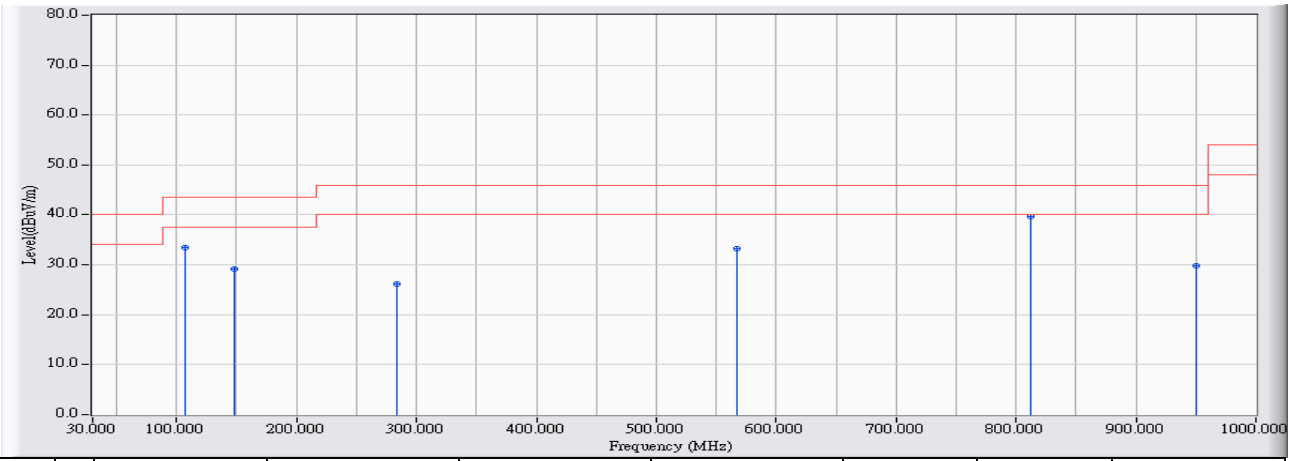


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		106.630	-13.949	50.806	36.856	-6.644	43.500	QUASIPEAK
2		141.065	-13.997	49.639	35.642	-7.858	43.500	QUASIPEAK
3		374.835	-9.991	38.184	28.193	-17.807	46.000	QUASIPEAK
4		568.350	-7.650	40.950	33.300	-12.700	46.000	QUASIPEAK
5	*	812.790	-6.382	46.625	40.243	-5.757	46.000	QUASIPEAK
6		911.730	-6.123	43.823	37.700	-8.300	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 - 18:43**
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 802.11b_2437MHz**

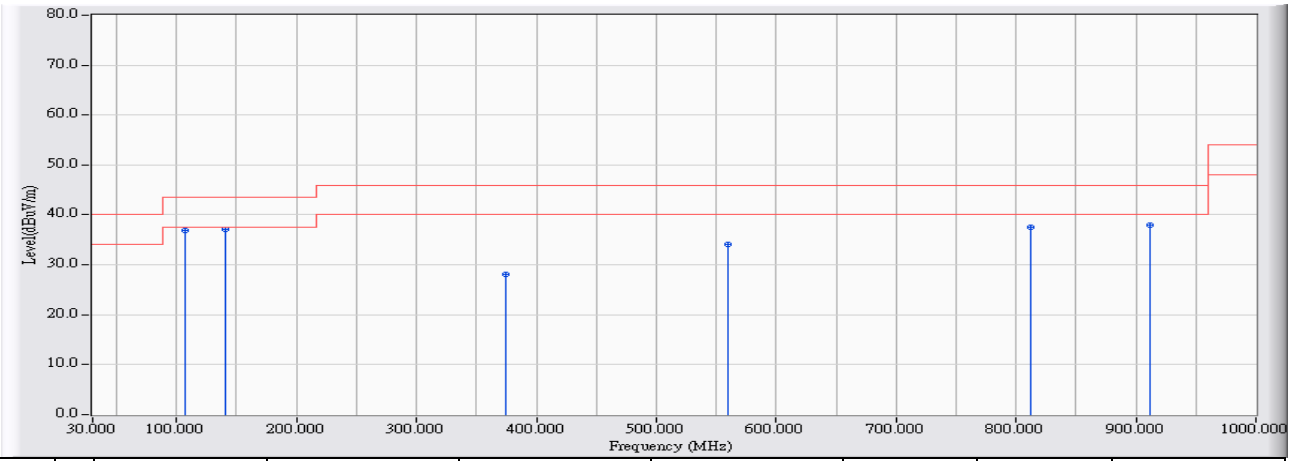


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		106.630	-13.949	47.496	33.546	-9.954	43.500	QUASIPEAK
2		148.340	-14.352	43.553	29.202	-14.298	43.500	QUASIPEAK
3		284.140	-11.722	37.985	26.264	-19.736	46.000	QUASIPEAK
4		567.380	-7.652	40.867	33.214	-12.786	46.000	QUASIPEAK
5	*	812.790	-6.382	46.042	39.660	-6.340	46.000	QUASIPEAK
6		950.530	-5.839	35.698	29.858	-16.142	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 - 18:49**
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 802.11g_2437MHz**

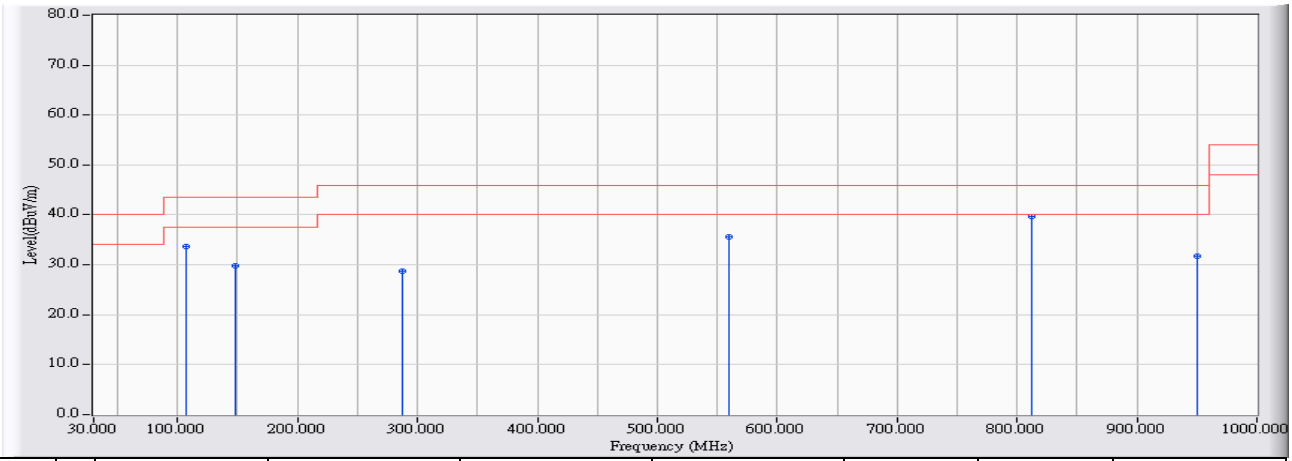


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		106.630	-13.949	50.806	36.856	-6.644	43.500	QUASIPEAK
2	*	141.065	-13.997	51.085	37.088	-6.412	43.500	QUASIPEAK
3		374.835	-9.991	38.184	28.193	-17.807	46.000	QUASIPEAK
4		560.105	-7.674	41.864	34.191	-11.809	46.000	QUASIPEAK
5		812.790	-6.382	43.953	37.571	-8.429	46.000	QUASIPEAK
6		911.730	-6.123	44.000	37.877	-8.123	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 - 18:54**
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 802.11g_2437MHz**

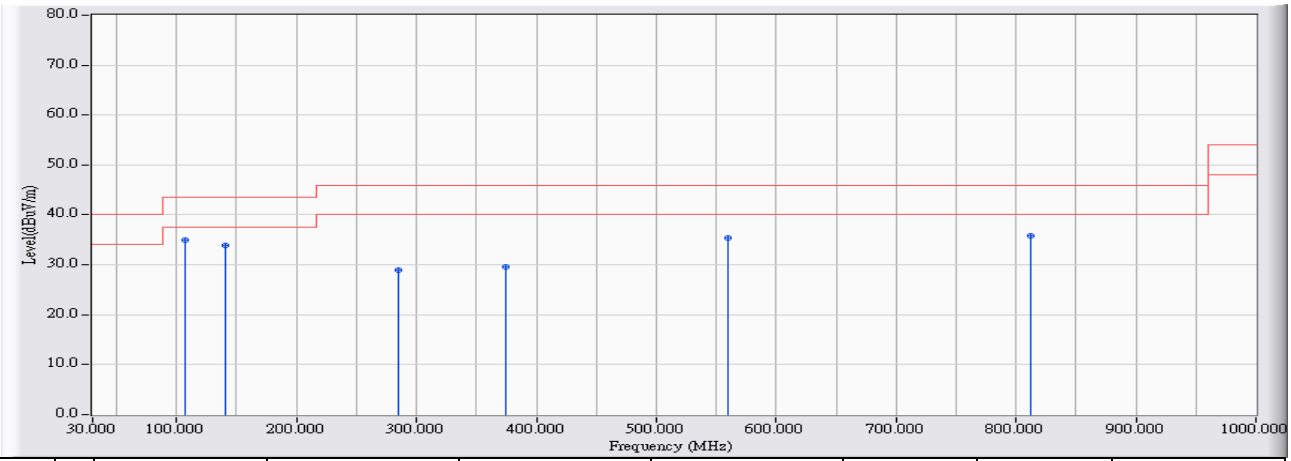


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		106.630	-13.949	47.689	33.739	-9.761	43.500	QUASIPEAK
2		148.340	-14.352	44.270	29.919	-13.581	43.500	QUASIPEAK
3		287.535	-11.670	40.358	28.688	-17.312	46.000	QUASIPEAK
4		560.105	-7.674	43.251	35.578	-10.422	46.000	QUASIPEAK
5	*	812.790	-6.382	46.080	39.698	-6.302	46.000	QUASIPEAK
6		950.530	-5.839	37.580	31.740	-14.260	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 - 19:01**
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)_2437MHz**

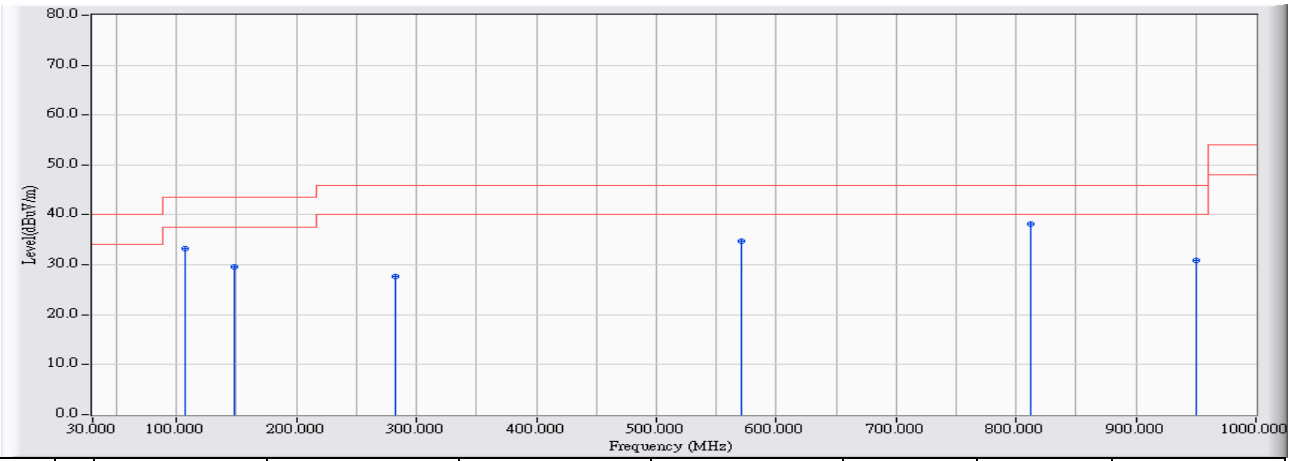


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	106.630	-13.949	48.846	34.896	-8.604	43.500	QUASIPEAK
2		141.065	-13.997	47.921	33.924	-9.576	43.500	QUASIPEAK
3		285.110	-11.706	40.735	29.028	-16.972	46.000	QUASIPEAK
4		374.835	-9.991	39.602	29.611	-16.389	46.000	QUASIPEAK
5		560.105	-7.674	43.003	35.330	-10.670	46.000	QUASIPEAK
6		812.790	-6.382	42.108	35.726	-10.274	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 - 19:05**
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)_2437MHz**

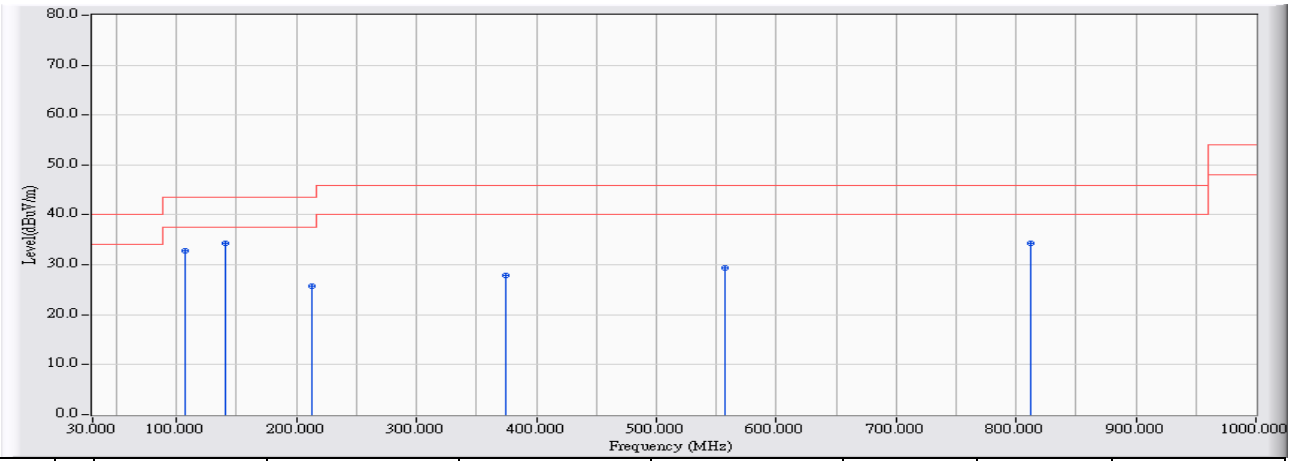


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		106.630	-13.949	47.136	33.186	-10.314	43.500	QUASIPEAK
2		148.340	-14.352	43.972	29.621	-13.879	43.500	QUASIPEAK
3		282.685	-11.744	39.328	27.585	-18.415	46.000	QUASIPEAK
4		571.260	-7.642	42.289	34.647	-11.353	46.000	QUASIPEAK
5	*	812.790	-6.382	44.483	38.101	-7.899	46.000	QUASIPEAK
6		950.530	-5.839	36.715	30.875	-15.125	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 - 19:09**
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)_2437MHz**

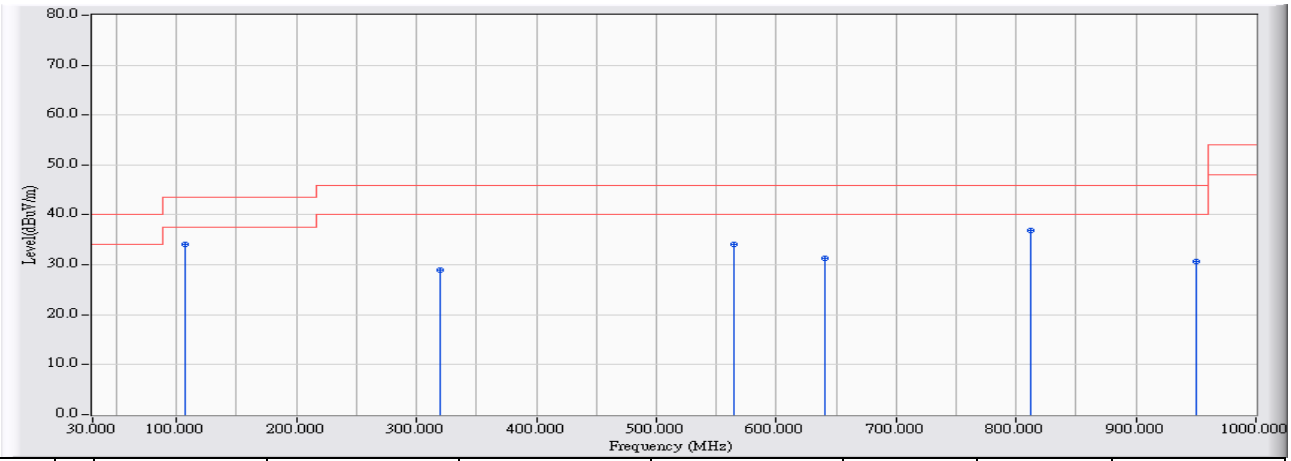


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		106.630	-13.949	46.700	32.750	-10.750	43.500	QUASIPEAK
2	*	141.065	-13.997	48.396	34.399	-9.101	43.500	QUASIPEAK
3		213.330	-14.883	40.725	25.843	-17.657	43.500	QUASIPEAK
4		374.835	-9.991	37.770	27.779	-18.221	46.000	QUASIPEAK
5		557.195	-7.682	37.043	29.362	-16.638	46.000	QUASIPEAK
6		812.790	-6.382	40.697	34.315	-11.685	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 - 19:15**
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)_2437MHz**

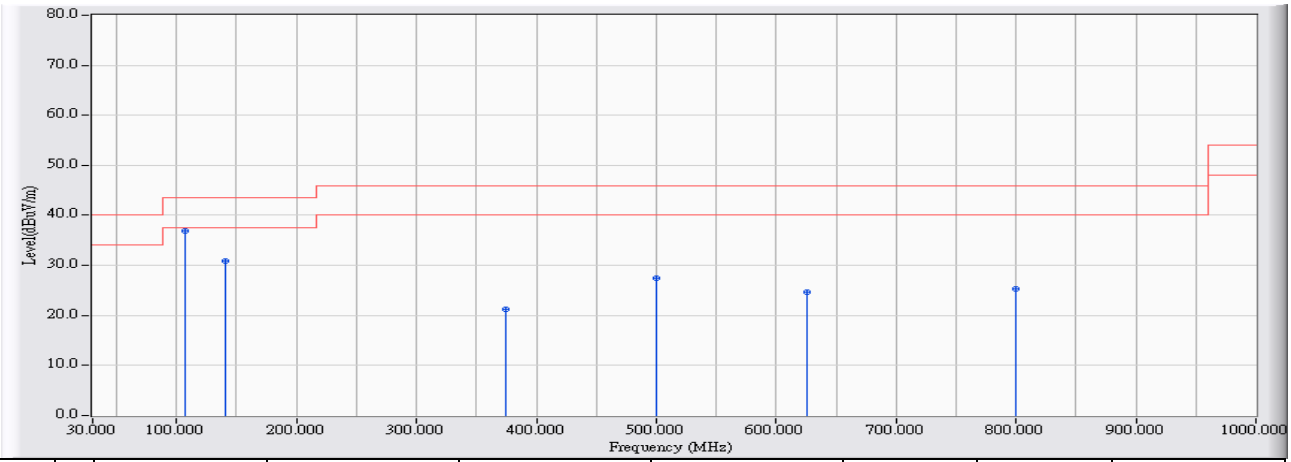


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		106.630	-13.949	48.129	34.179	-9.321	43.500	QUASIPEAK
2		320.030	-11.082	40.041	28.959	-17.041	46.000	QUASIPEAK
3		564.955	-7.660	41.844	34.184	-11.816	46.000	QUASIPEAK
4		640.130	-7.432	38.777	31.345	-14.655	46.000	QUASIPEAK
5	*	812.790	-6.382	43.312	36.930	-9.070	46.000	QUASIPEAK
6		950.530	-5.839	36.565	30.725	-15.275	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 - 19:21**
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_5785MHz**

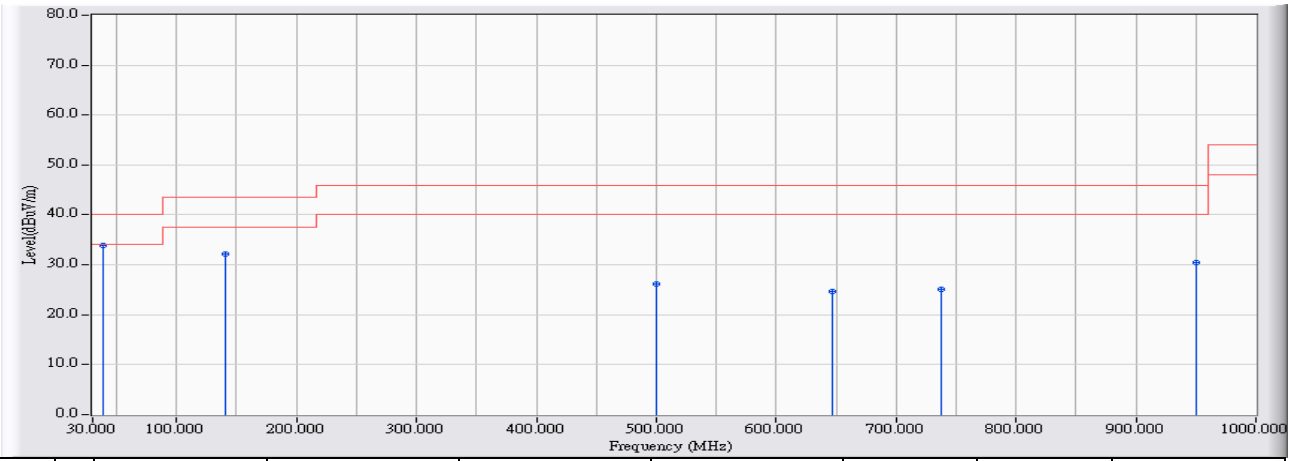


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	106.630	-13.949	50.922	36.972	-6.528	43.500	QUASIPEAK
2		141.065	-13.997	44.945	30.948	-12.552	43.500	QUASIPEAK
3		374.835	-9.991	31.262	21.271	-24.729	46.000	QUASIPEAK
4		500.450	-7.839	35.306	27.467	-18.533	46.000	QUASIPEAK
5		625.095	-7.481	32.116	24.636	-21.364	46.000	QUASIPEAK
6		800.180	-6.406	31.740	25.334	-20.666	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 - 19:25**
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_5785MHz**

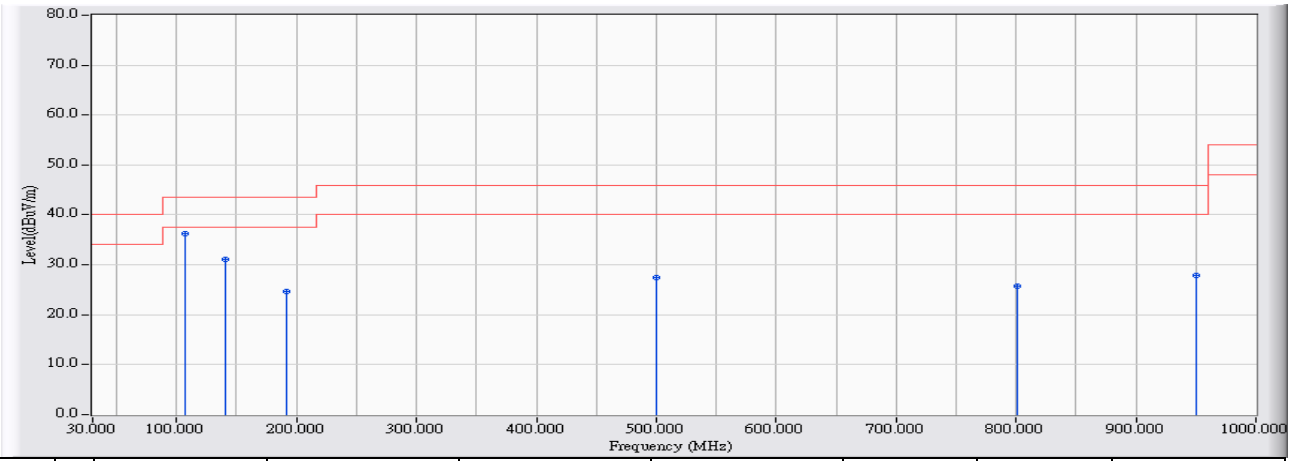


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	38.730	-13.098	47.034	33.936	-6.064	40.000	QUASIPEAK
2		141.065	-13.997	46.178	32.181	-11.319	43.500	QUASIPEAK
3		500.450	-7.839	34.105	26.266	-19.734	46.000	QUASIPEAK
4		646.920	-7.411	32.148	24.738	-21.262	46.000	QUASIPEAK
5		737.130	-6.930	32.000	25.070	-20.930	46.000	QUASIPEAK
6		950.530	-5.839	36.341	30.501	-15.499	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 - 19:29**
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)_5785MHz**

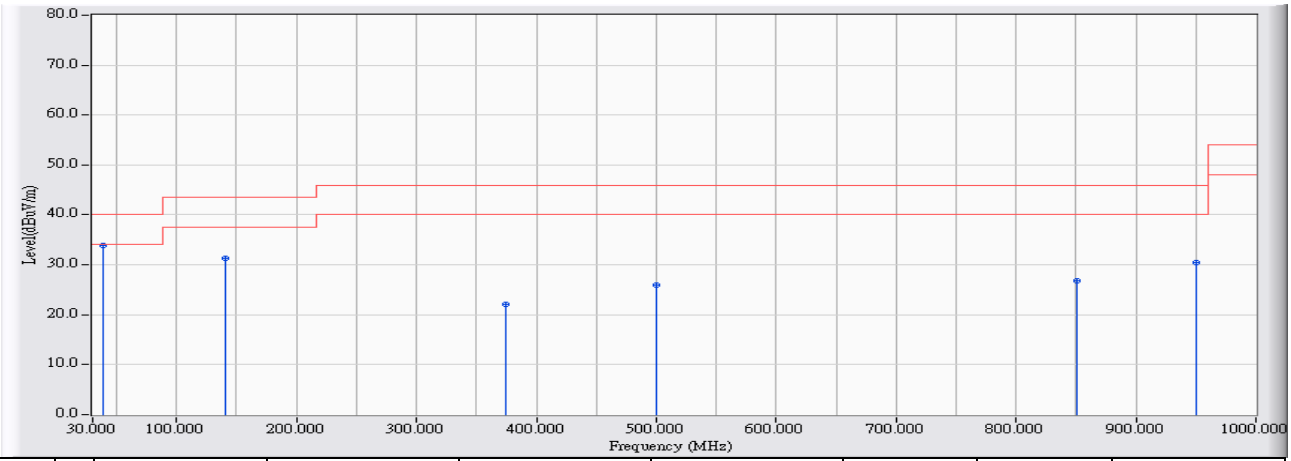


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	106.630	-13.949	50.285	36.335	-7.165	43.500	QUASIPEAK
2		141.065	-13.997	45.185	31.188	-12.312	43.500	QUASIPEAK
3		191.505	-15.813	40.382	24.570	-18.930	43.500	QUASIPEAK
4		500.450	-7.839	35.364	27.525	-18.475	46.000	QUASIPEAK
5		800.665	-6.406	32.242	25.836	-20.164	46.000	QUASIPEAK
6		950.530	-5.839	33.667	27.827	-18.173	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 - 19:34**
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)_5785MHz**

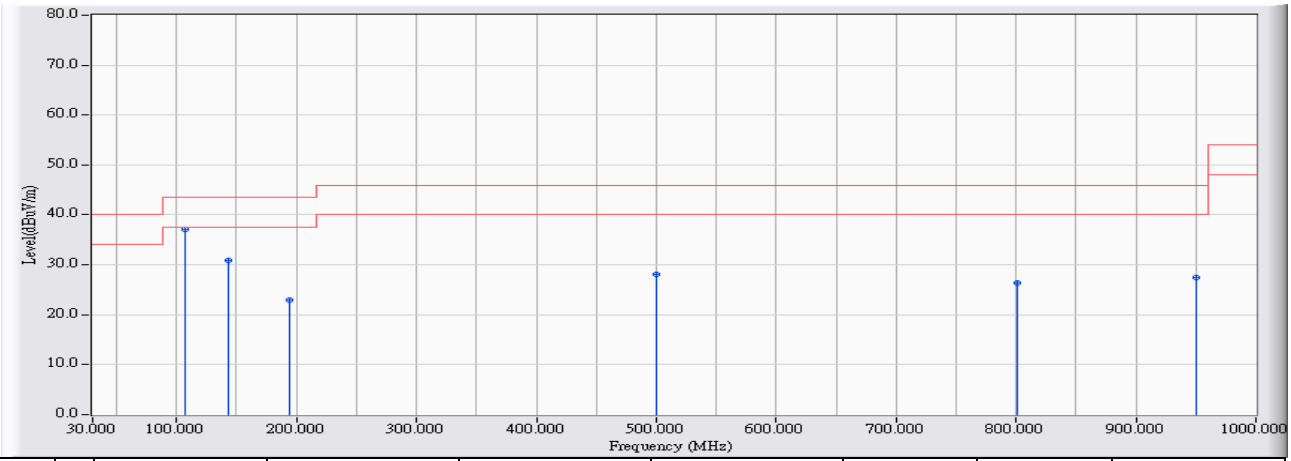


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	38.730	-13.098	46.935	33.837	-6.163	40.000	QUASIPEAK
2		141.065	-13.997	45.322	31.325	-12.175	43.500	QUASIPEAK
3		374.835	-9.991	32.026	22.035	-23.965	46.000	QUASIPEAK
4		500.450	-7.839	33.785	25.946	-20.054	46.000	QUASIPEAK
5		850.620	-6.307	33.152	26.845	-19.155	46.000	QUASIPEAK
6		950.530	-5.839	36.274	30.434	-15.566	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 - 19:38**
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)_5795MHz**

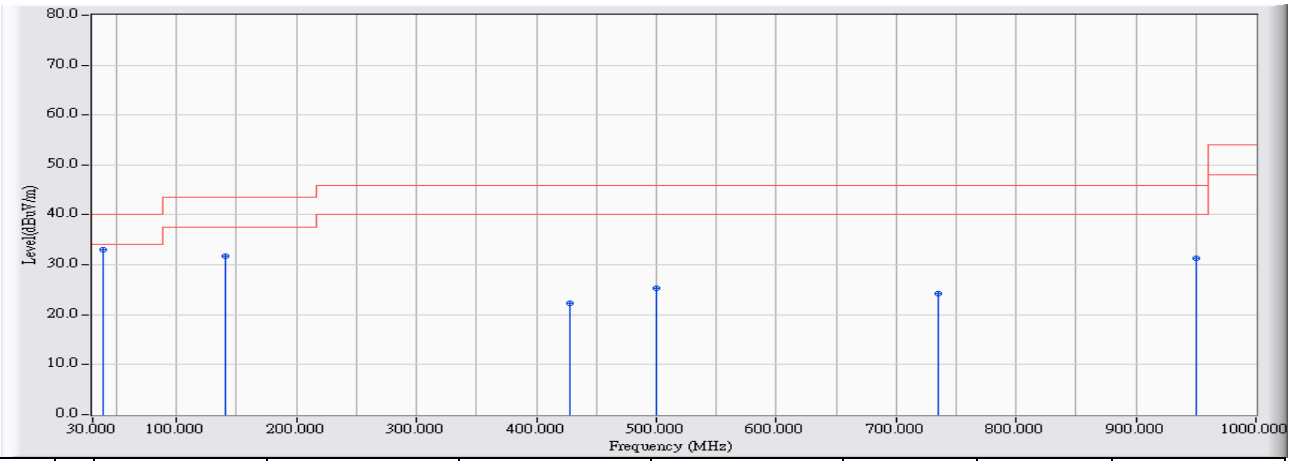


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	106.630	-13.949	50.980	37.030	-6.470	43.500	QUASIPEAK
2		143.490	-14.115	44.997	30.882	-12.618	43.500	QUASIPEAK
3		193.930	-15.820	38.781	22.960	-20.540	43.500	QUASIPEAK
4		500.450	-7.839	35.982	28.143	-17.857	46.000	QUASIPEAK
5		800.665	-6.406	32.871	26.465	-19.535	46.000	QUASIPEAK
6		950.530	-5.839	33.308	27.468	-18.532	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 - 19:43**
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(40MHz)_5795MHz**

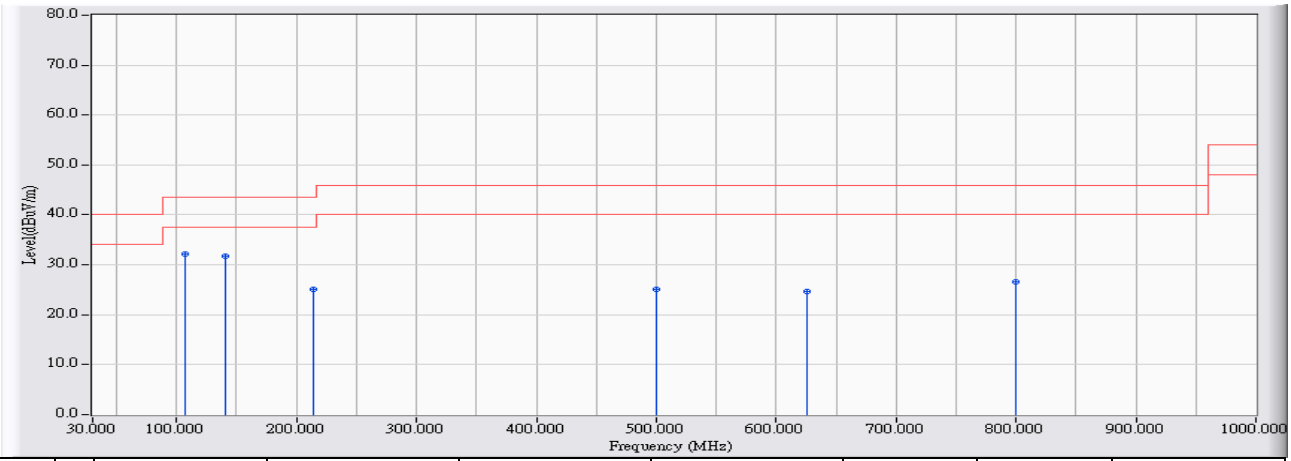


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	38.730	-13.098	46.217	33.119	-6.881	40.000	QUASIPEAK
2		141.065	-13.997	45.845	31.848	-11.652	43.500	QUASIPEAK
3		427.700	-9.033	31.326	22.293	-23.707	46.000	QUASIPEAK
4		500.450	-7.839	33.138	25.299	-20.701	46.000	QUASIPEAK
5		734.705	-6.949	31.168	24.218	-21.782	46.000	QUASIPEAK
6		950.530	-5.839	37.144	31.304	-14.696	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2015/01/26 - 19:47**
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_5785MHz**

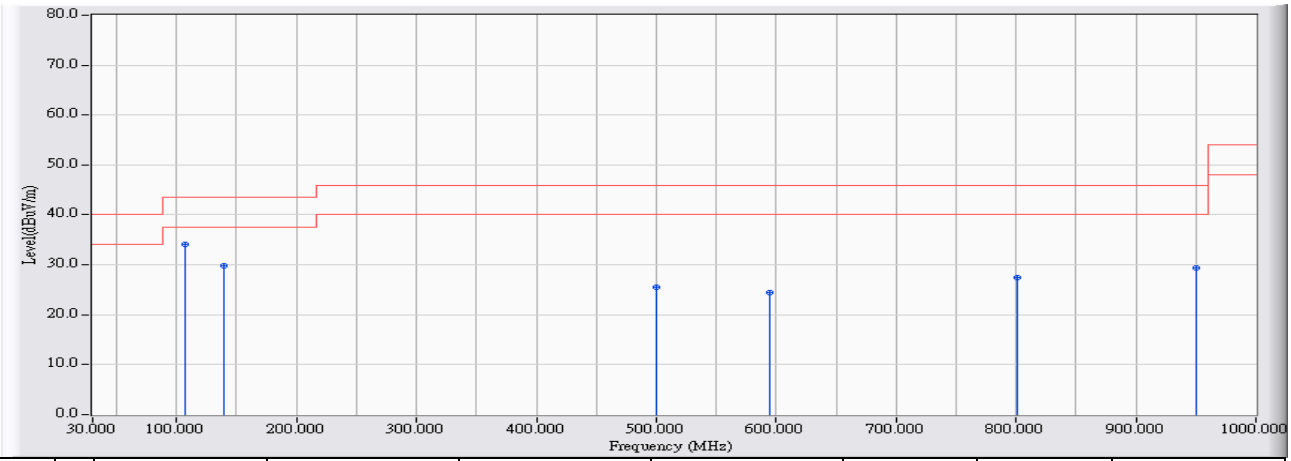


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	106.630	-13.949	46.131	32.181	-11.319	43.500	QUASIPEAK
2		141.065	-13.997	45.767	31.770	-11.730	43.500	QUASIPEAK
3		213.815	-14.847	40.000	25.153	-18.347	43.500	QUASIPEAK
4		500.450	-7.839	32.963	25.124	-20.876	46.000	QUASIPEAK
5		625.095	-7.481	32.074	24.594	-21.406	46.000	QUASIPEAK
6		800.180	-6.406	32.925	26.519	-19.481	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 - 19:53**
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_5785MHz**

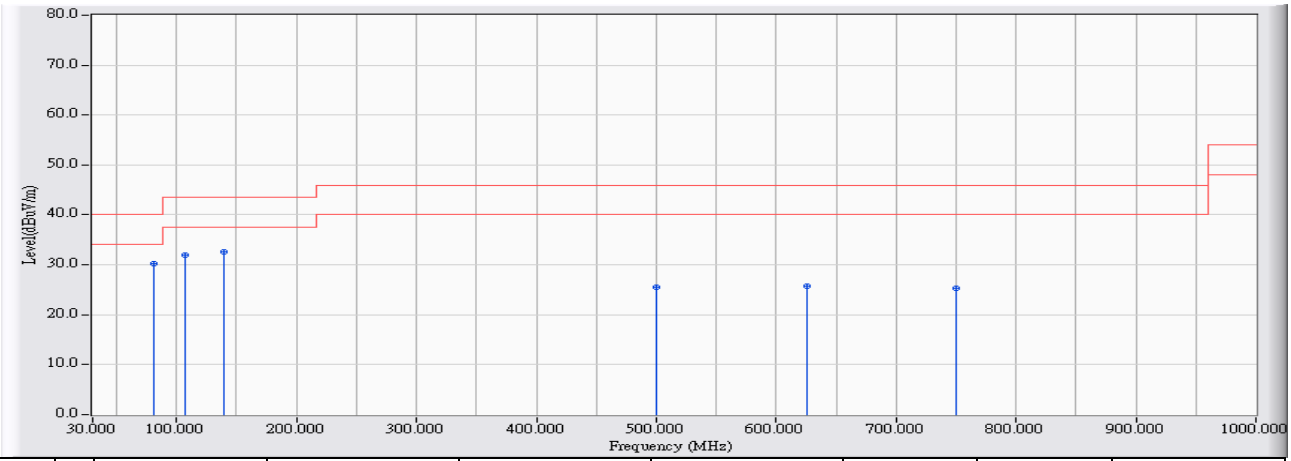


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	106.630	-13.949	48.051	34.101	-9.399	43.500	QUASIPEAK
2		139.125	-13.917	43.689	29.773	-13.727	43.500	QUASIPEAK
3		500.450	-7.839	33.409	25.570	-20.430	46.000	QUASIPEAK
4		594.055	-7.579	32.107	24.529	-21.471	46.000	QUASIPEAK
5		800.665	-6.406	33.811	27.405	-18.595	46.000	QUASIPEAK
6		950.530	-5.839	35.141	29.301	-16.699	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 - 19:57**
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)_5785MHz**

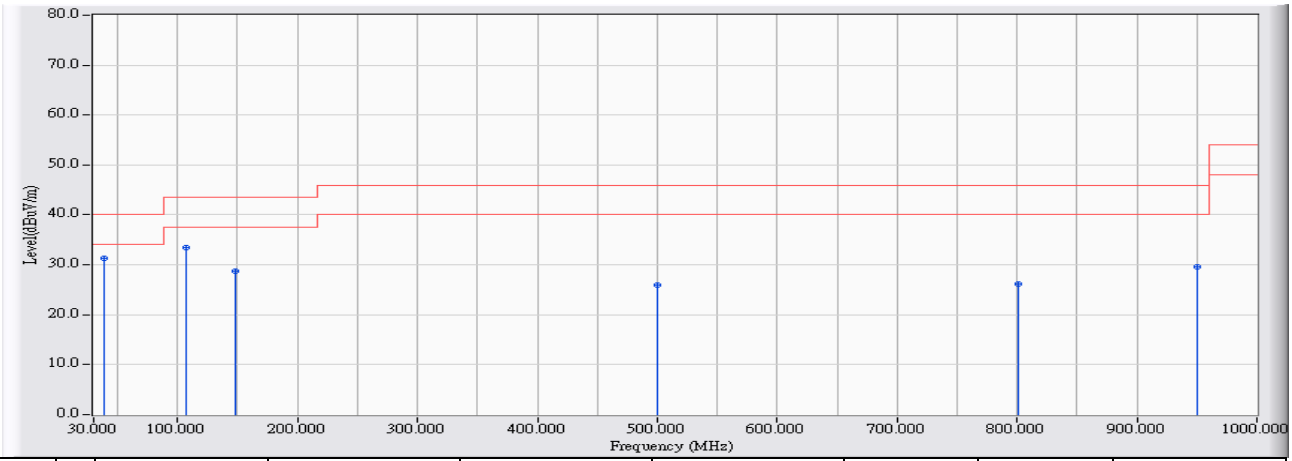


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	80.925	-17.731	48.005	30.275	-9.725	40.000	QUASIPEAK
2		106.630	-13.949	45.840	31.890	-11.610	43.500	QUASIPEAK
3		139.125	-13.917	46.528	32.612	-10.888	43.500	QUASIPEAK
4		500.450	-7.839	33.404	25.565	-20.435	46.000	QUASIPEAK
5		625.095	-7.481	33.211	25.731	-20.269	46.000	QUASIPEAK
6		750.225	-6.821	32.201	25.380	-20.620	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 - 20:02**
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)_5785MHz**

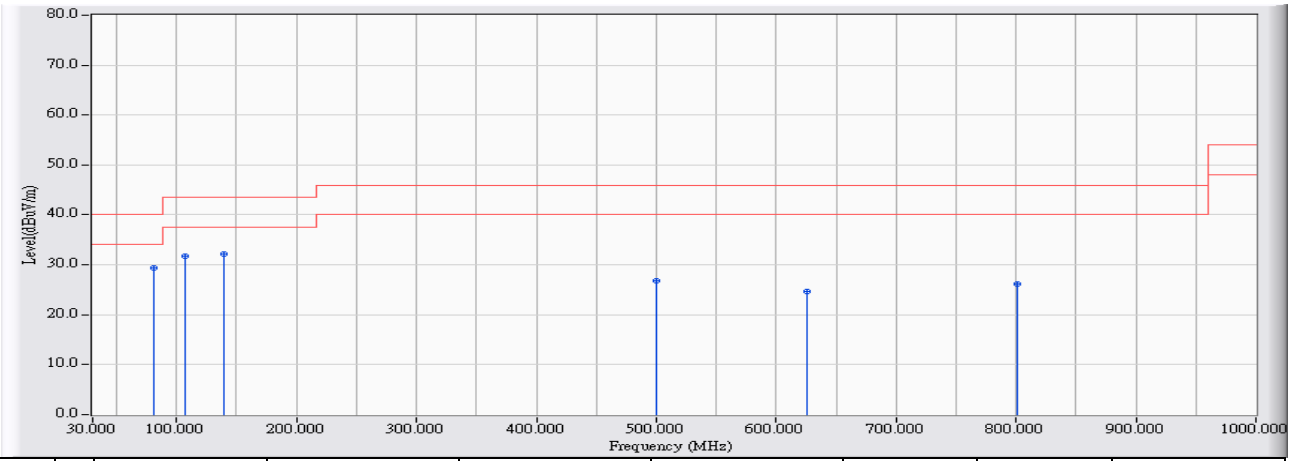


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	38.730	-13.098	44.454	31.356	-8.644	40.000	QUASIPEAK
2		106.630	-13.949	47.339	33.389	-10.111	43.500	QUASIPEAK
3		148.340	-14.352	43.188	28.837	-14.663	43.500	QUASIPEAK
4		500.450	-7.839	33.716	25.877	-20.123	46.000	QUASIPEAK
5		800.665	-6.406	32.511	26.105	-19.895	46.000	QUASIPEAK
6		950.530	-5.839	35.512	29.672	-16.328	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 - 20:06**
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)_5795MHz**

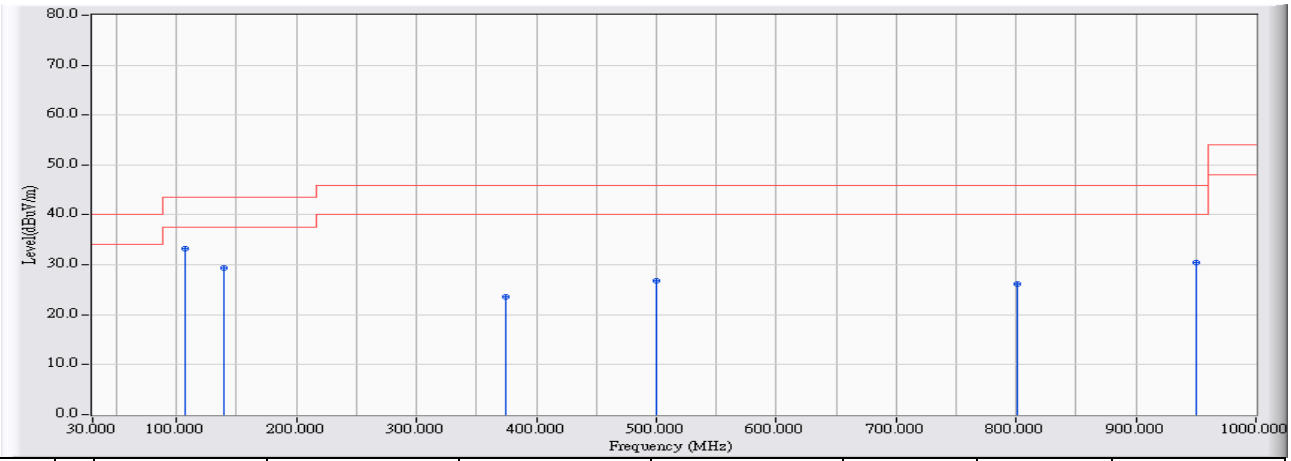


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	80.925	-17.731	47.057	29.327	-10.673	40.000	QUASIPEAK
2		106.630	-13.949	45.629	31.679	-11.821	43.500	QUASIPEAK
3		139.125	-13.917	46.003	32.087	-11.413	43.500	QUASIPEAK
4		500.450	-7.839	34.730	26.891	-19.109	46.000	QUASIPEAK
5		625.095	-7.481	32.107	24.627	-21.373	46.000	QUASIPEAK
6		800.665	-6.406	32.671	26.265	-19.735	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 - 20:11**
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)_5795MHz**



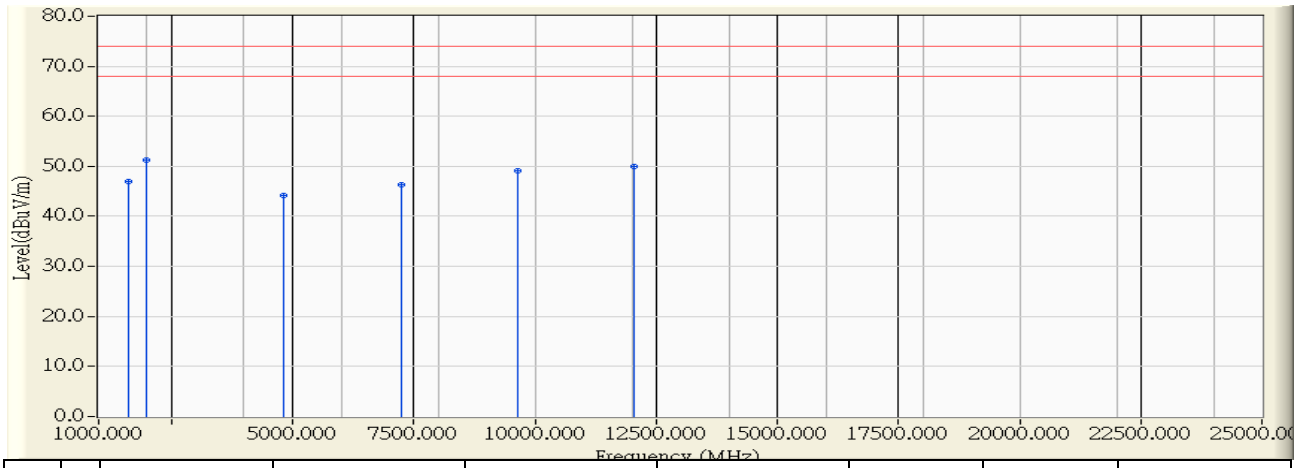
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	106.630	-13.949	47.259	33.309	-10.191	43.500	QUASIPEAK
2		139.125	-13.917	43.229	29.313	-14.187	43.500	QUASIPEAK
3		374.835	-9.991	33.637	23.646	-22.354	46.000	QUASIPEAK
4		500.450	-7.839	34.679	26.840	-19.160	46.000	QUASIPEAK
5		800.665	-6.406	32.573	26.167	-19.833	46.000	QUASIPEAK
6		950.530	-5.839	36.227	30.387	-15.613	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.

Above 1GHz Spurious

Site : CB1	**Time : 2014/11/17 - 17:15**
Limit : FCC_SpartC_15.247_H_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** **802.11b_2412MHz**

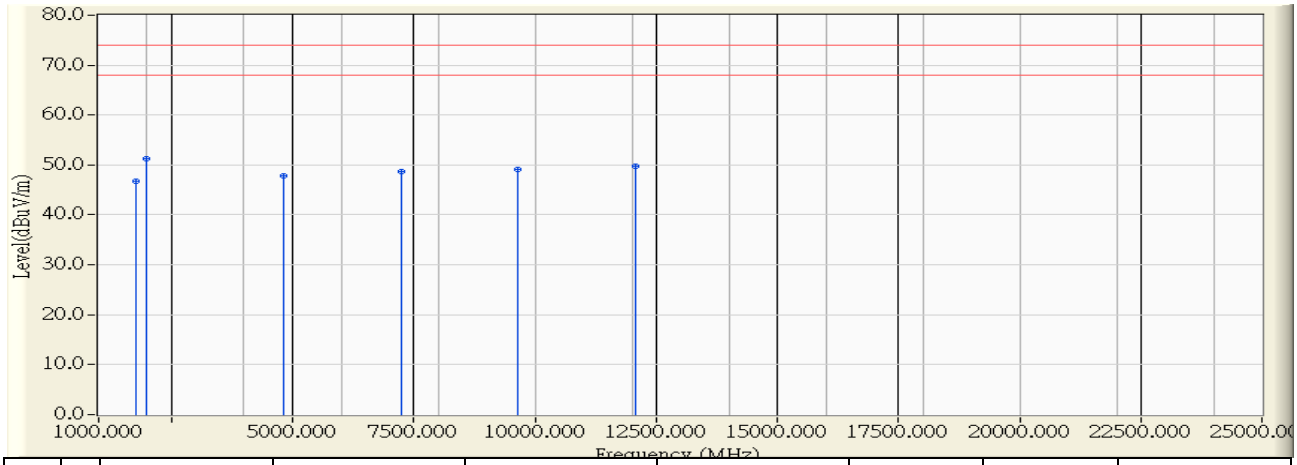


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1608.000	-8.687	55.730	47.043	-26.957	74.000	PEAK
2	*	1970.500	-7.512	58.840	51.329	-22.671	74.000	PEAK
3		4824.020	-0.534	44.800	44.266	-29.734	74.000	PEAK
4		7236.160	5.519	40.710	46.229	-27.771	74.000	PEAK
5		9646.860	9.438	39.660	49.099	-24.901	74.000	PEAK
6		12044.100	11.107	38.800	49.907	-24.093	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/17 - 17:25**
Limit : FCC_SpartC_15.247_H_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 802.11b_2412MHz**

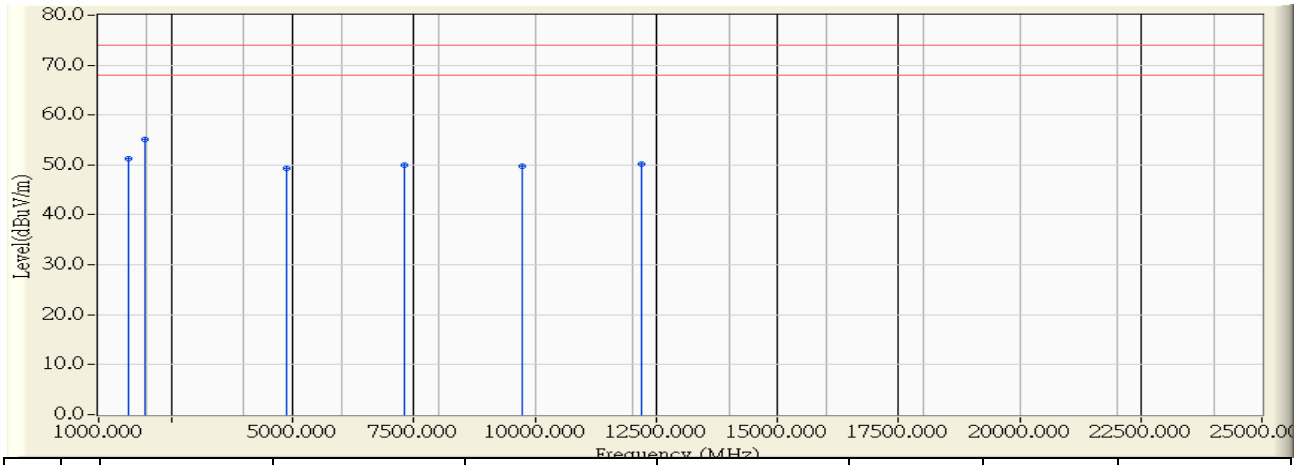


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1780.000	-8.144	54.830	46.686	-27.314	74.000	PEAK
2	*	2000.000	-7.217	58.490	51.273	-22.727	74.000	PEAK
3		4824.000	-0.534	48.440	47.906	-26.094	74.000	PEAK
4		7235.740	5.518	43.220	48.738	-25.262	74.000	PEAK
5		9660.960	9.530	39.580	49.110	-24.890	74.000	PEAK
6		12078.280	11.092	38.560	49.652	-24.348	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/17 - 17:32**
Limit : FCC_SpartC_15.247_H_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 802.11b_2437MHz**

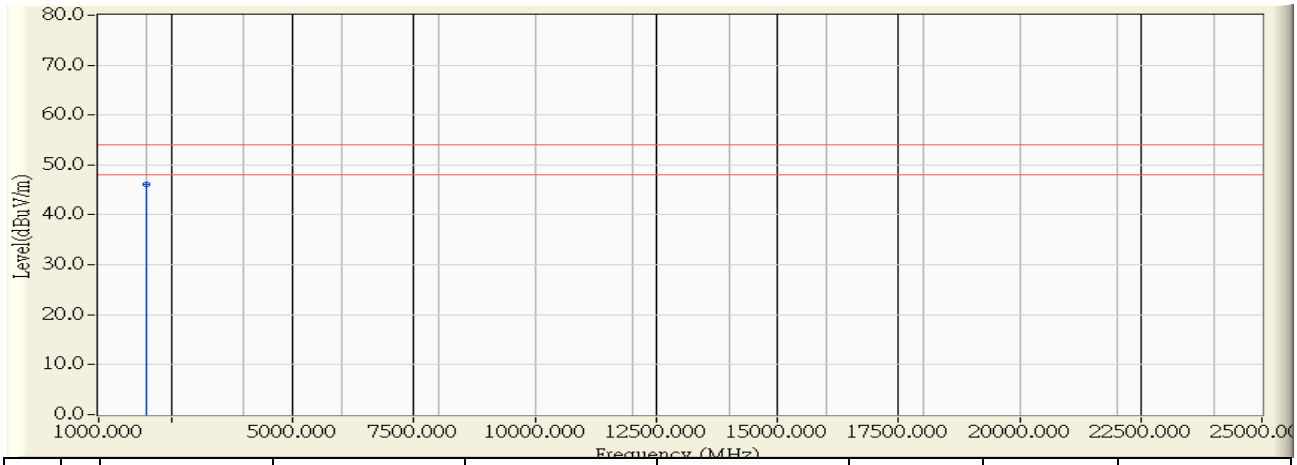


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1625.500	-8.632	59.950	51.318	-22.682	74.000	PEAK
2	*	1940.500	-7.637	62.860	55.223	-18.777	74.000	PEAK
3		4874.000	-0.412	49.780	49.368	-24.632	74.000	PEAK
4		7313.160	5.686	44.220	49.906	-24.094	74.000	PEAK
5		9748.860	10.099	39.570	49.669	-24.331	74.000	PEAK
6		12190.840	11.040	39.150	50.190	-23.810	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/17 - 17:33**
Limit : FCC_SpartC_15.247_H_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 802.11b_2437MHz**

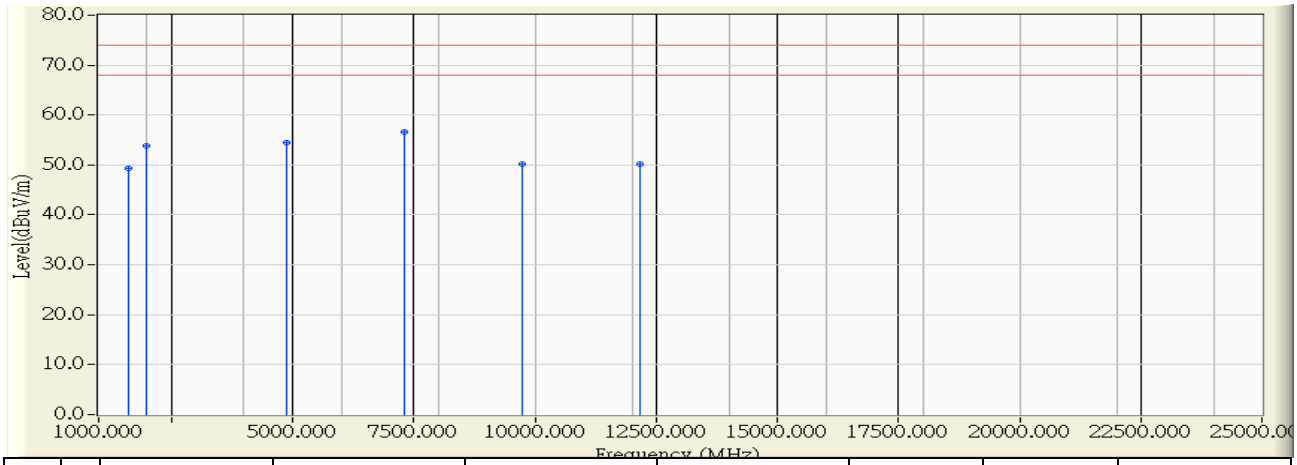


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1980.050	-7.417	53.438	46.022	-7.978	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/11/17 - 18:52**
Limit : FCC_SpartC_15.247_H_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 802.11b_2437MHz**

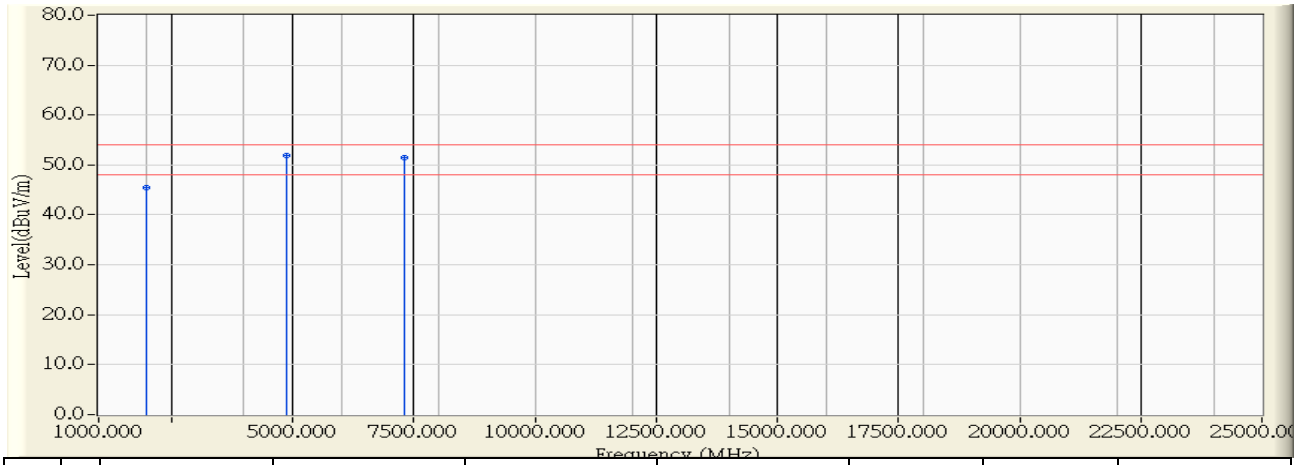


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1625.500	-8.632	57.970	49.338	-24.662	74.000	PEAK
2		2000.000	-7.217	60.970	53.753	-20.247	74.000	PEAK
3		4873.900	-0.412	54.890	54.478	-19.522	74.000	PEAK
4	*	7310.940	5.681	50.930	56.611	-17.389	74.000	PEAK
5		9748.100	10.095	40.030	50.124	-23.876	74.000	PEAK
6		12167.000	11.052	39.030	50.081	-23.919	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/17 - 18:53**
Limit : FCC_SpartC_15.247_H_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 802.11b_2437MHz**

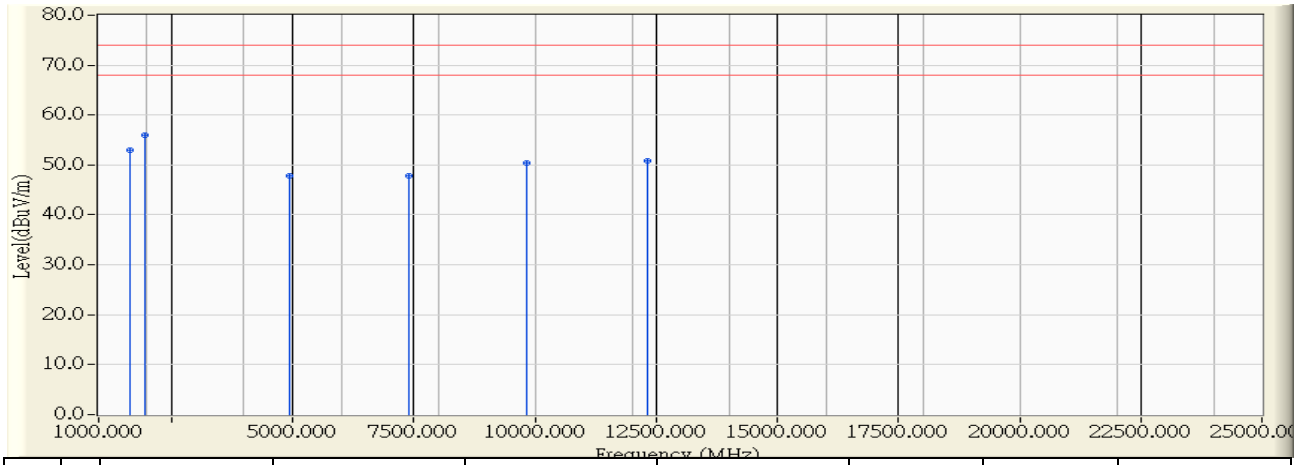


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2000.000	-7.217	52.590	45.373	-8.627	54.000	AVERAGE
2	*	4874.040	-0.412	52.220	51.808	-2.192	54.000	AVERAGE
3		7310.180	5.679	45.860	51.539	-2.461	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/11/17 - 19:27**
Limit : FCC_SpartC_15.247_H_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 802.11b_2462MHz**

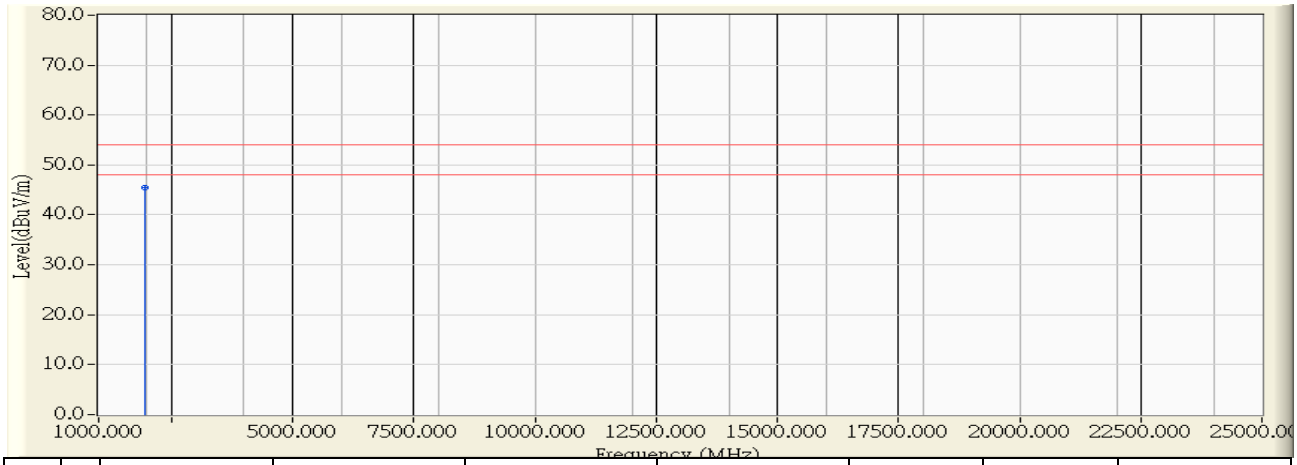


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1642.000	-8.580	61.470	52.890	-21.110	74.000	PEAK
2	*	1964.500	-7.546	63.470	55.924	-18.076	74.000	PEAK
3		4923.860	-0.290	48.090	47.800	-26.200	74.000	PEAK
4		7387.520	5.847	42.060	47.907	-26.093	74.000	PEAK
5		9840.890	10.695	39.660	50.355	-23.645	74.000	PEAK
6		12316.180	10.983	39.750	50.733	-23.267	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/17 - 19:28**
Limit : FCC_SpartC_15.247_H_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 802.11b_2462MHz**

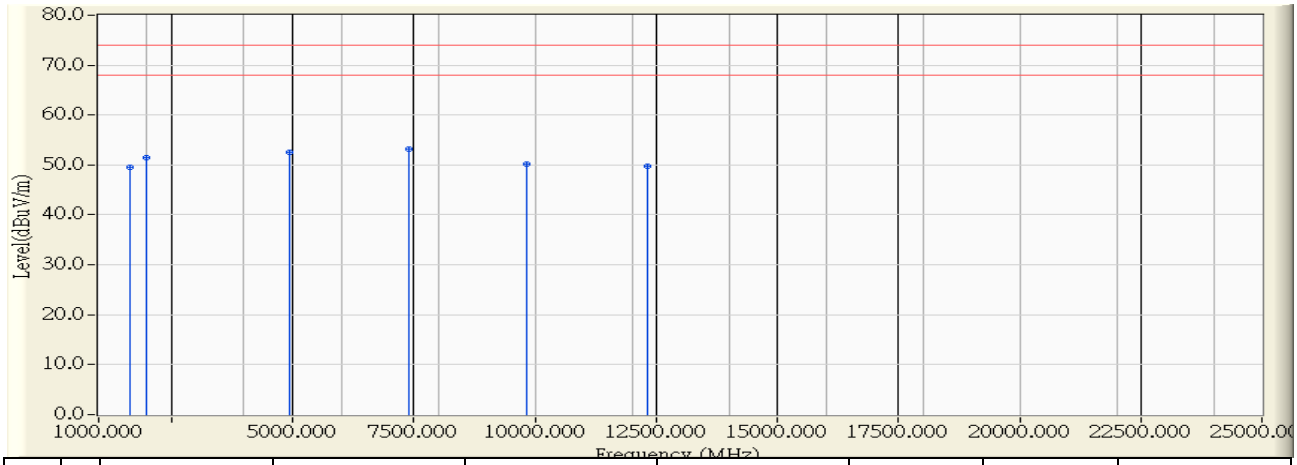


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1962.630	-7.554	52.960	45.406	-8.594	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/11/17 - 19:44**
Limit : FCC_SpartC_15.247_H_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 802.11b_2462MHz**

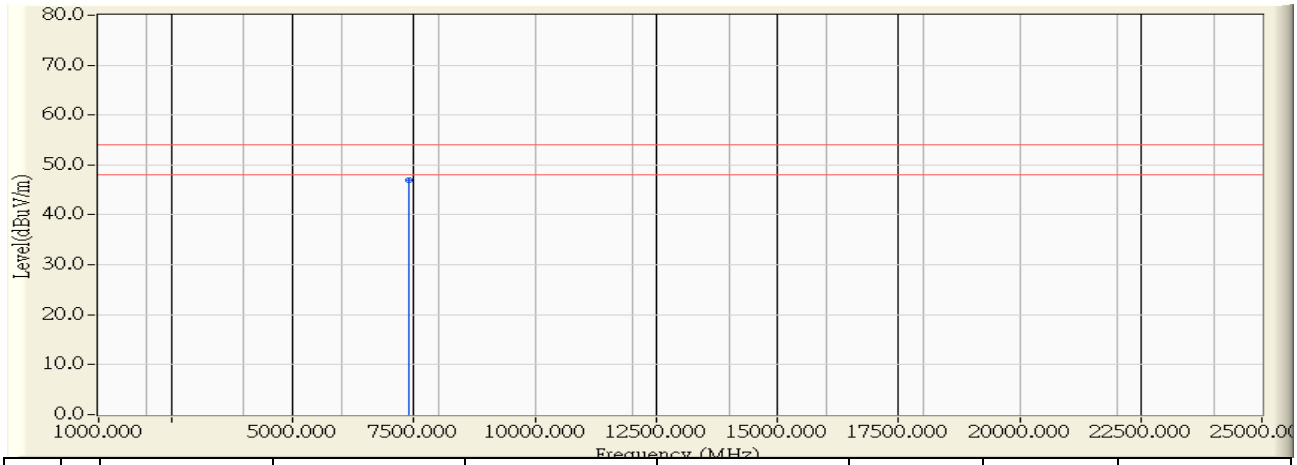


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1640.500	-8.585	58.110	49.525	-24.475	74.000	PEAK
2		2000.000	-7.217	58.660	51.443	-22.557	74.000	PEAK
3		4923.900	-0.290	52.770	52.480	-21.520	74.000	PEAK
4	*	7385.990	5.843	47.260	53.103	-20.897	74.000	PEAK
5		9840.460	10.693	39.400	50.092	-23.908	74.000	PEAK
6		12310.540	10.986	38.770	49.756	-24.244	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/17 - 19:47**
Limit : FCC_SpartC_15.247_H_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 802.11b_2462MHz**

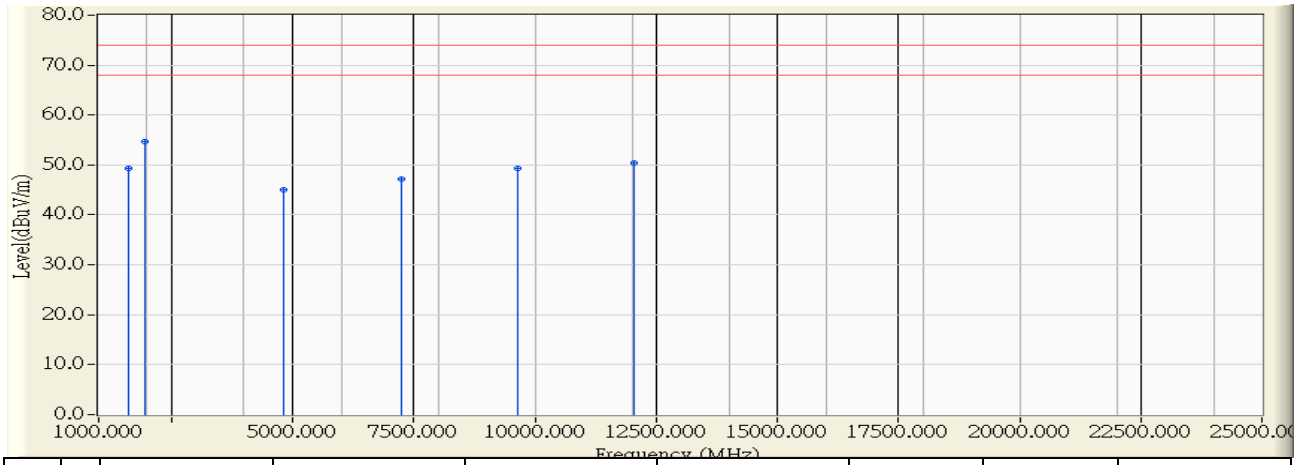


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7385.220	5.841	41.190	47.032	-26.968	74.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/11/17 - 19:57**
Limit : FCC_SpartC_15.247_H_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 802.11g_2412MHz**

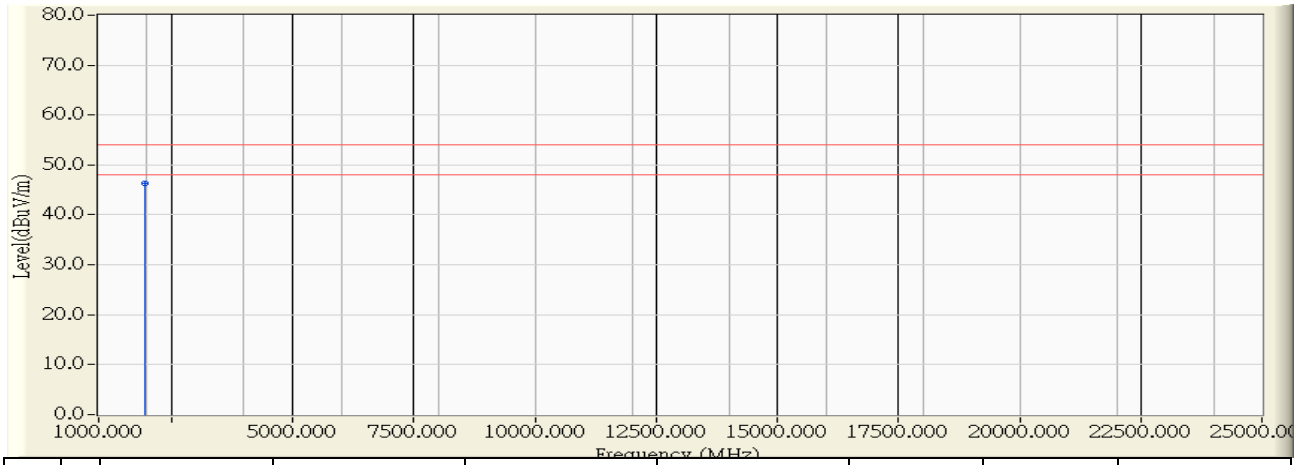


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1612.000	-8.675	57.930	49.255	-24.745	74.000	PEAK
2	*	1957.000	-7.578	62.190	54.612	-19.388	74.000	PEAK
3		4825.160	-0.531	45.510	44.979	-29.021	74.000	PEAK
4		7231.960	5.510	41.740	47.250	-26.750	74.000	PEAK
5		9642.080	9.407	40.000	49.408	-24.592	74.000	PEAK
6		12048.580	11.105	39.360	50.465	-23.535	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/17 - 19:58**
Limit : FCC_SpartC_15.247_H_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 802.11g_2412MHz**

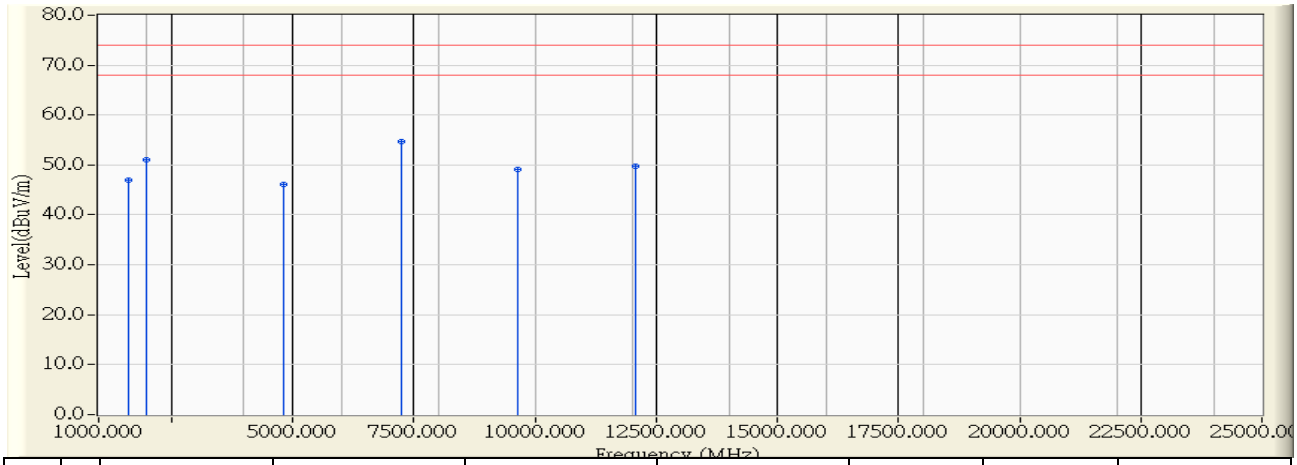


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1940.060	-7.638	53.970	46.332	-7.668	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/11/17 - 20:12**
Limit : FCC_SpartC_15.247_H_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 802.11g_2412MHz**

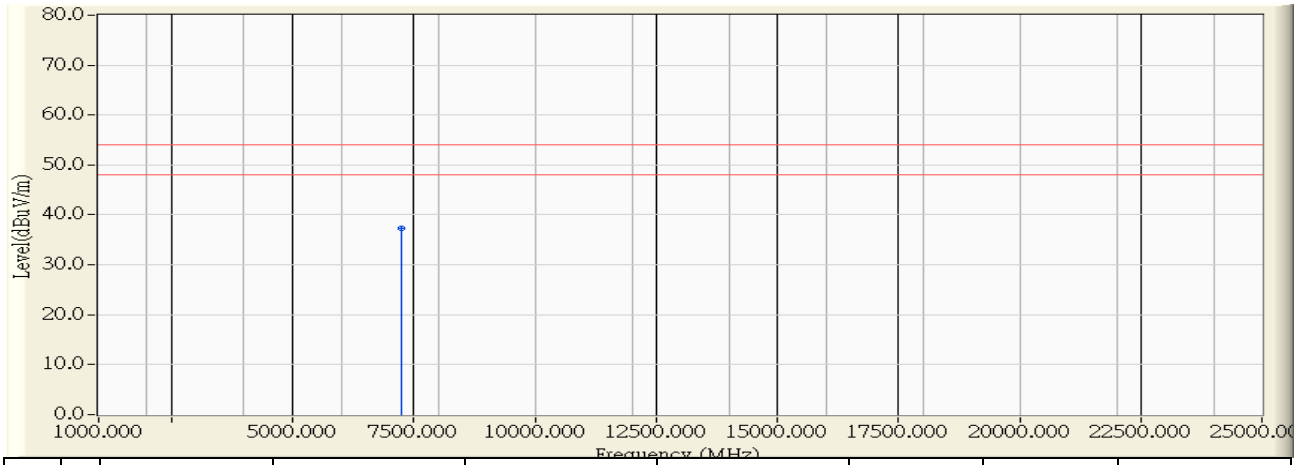


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1615.000	-8.665	55.670	47.005	-26.995	74.000	PEAK
2		2000.000	-7.217	58.210	50.993	-23.007	74.000	PEAK
3		4824.720	-0.531	46.540	46.008	-27.992	74.000	PEAK
4	*	7237.860	5.523	49.070	54.593	-19.407	74.000	PEAK
5		9636.360	9.370	39.680	49.051	-24.949	74.000	PEAK
6		12062.320	11.099	38.760	49.859	-24.141	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/17 - 20:13**
Limit : FCC_SpartC_15.247_H_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 802.11g_2412MHz**

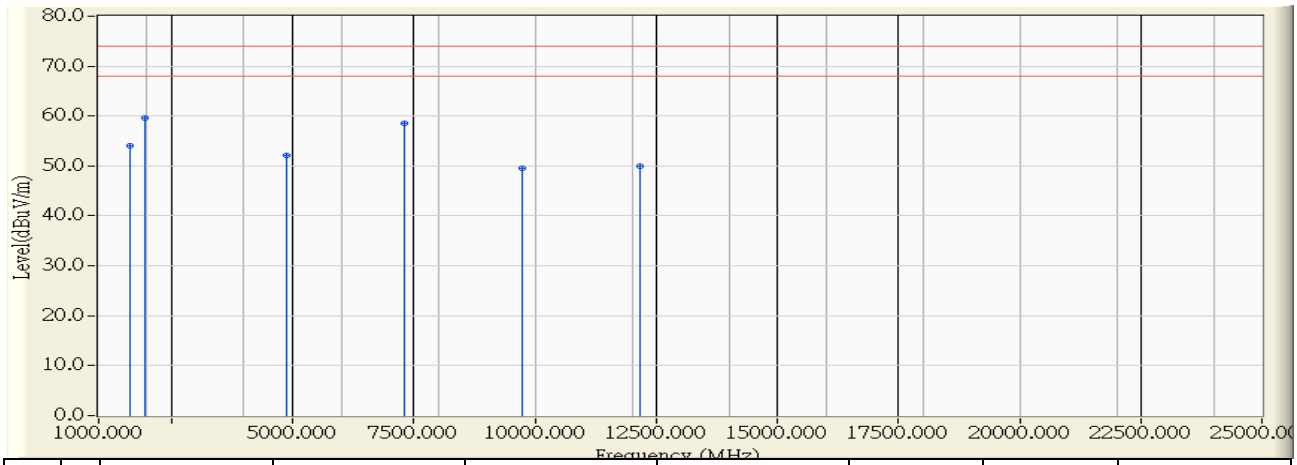


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7237.300	5.522	31.740	37.262	-16.738	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/11/17 - 20:23**
Limit : FCC_SpartC_15.247_H_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 : 802.11g_2437MHz**

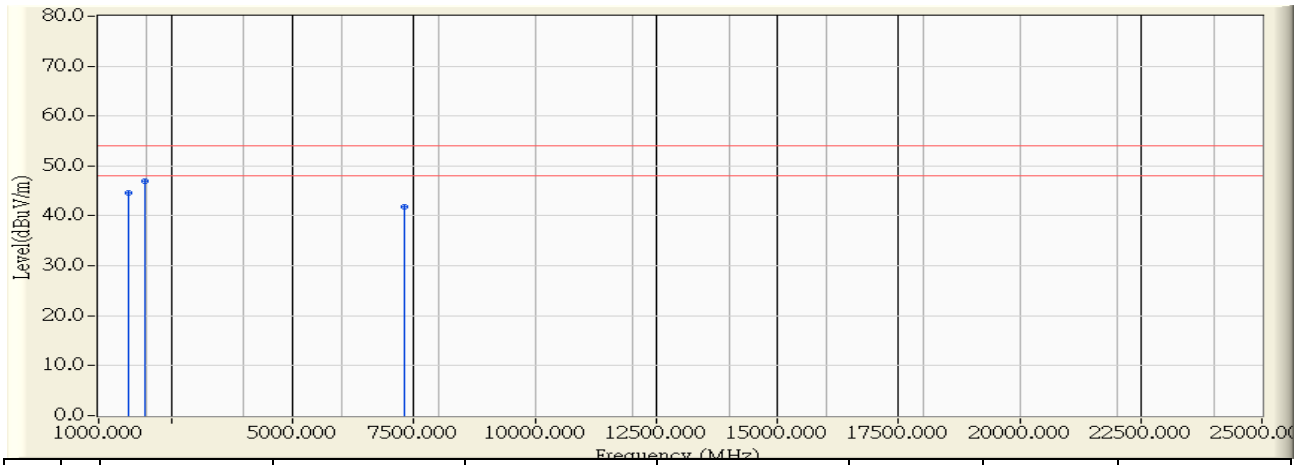


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1631.500	-8.613	62.690	54.077	-19.923	74.000	PEAK
2	*	1958.500	-7.573	67.240	59.668	-14.332	74.000	PEAK
3		4874.825	-0.409	52.560	52.150	-21.850	74.000	PEAK
4		7305.615	5.669	52.990	58.659	-15.341	74.000	PEAK
5		9750.660	10.111	39.520	49.631	-24.369	74.000	PEAK
6		12176.730	11.047	39.020	50.067	-23.933	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/17 - 20:26**
Limit : FCC_SpartC_15.247_H_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 : 802.11g_2437MHz**

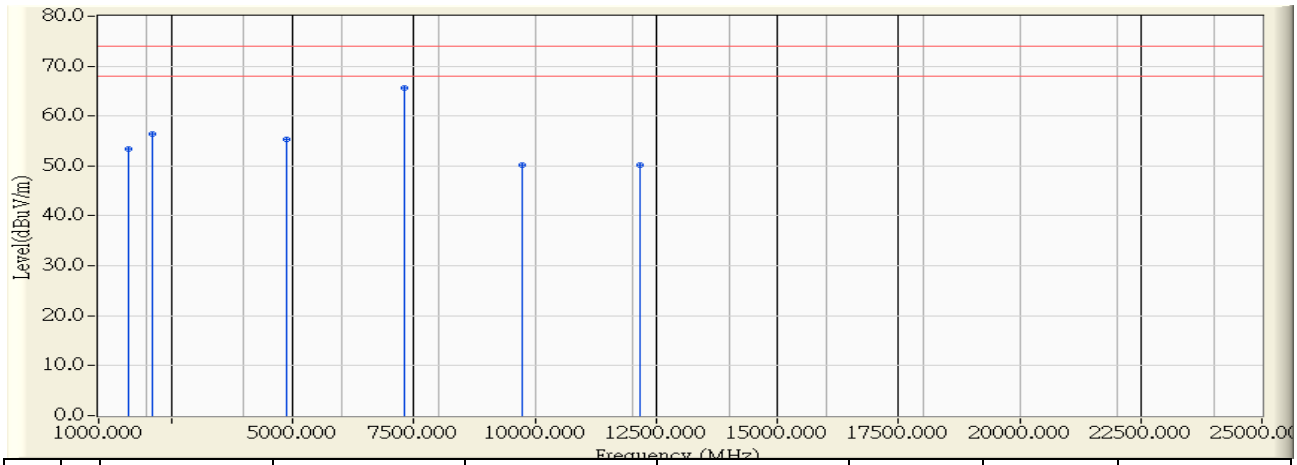


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1630.159	-8.618	53.290	44.673	-9.327	54.000	AVERAGE
2	*	1964.410	-7.546	54.580	47.034	-6.966	54.000	AVERAGE
3		7315.080	5.690	36.080	41.770	-12.230	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/11/17 - 20:50**
Limit : FCC_SpartC_15.247_H_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 : 802.11g_2437MHz**

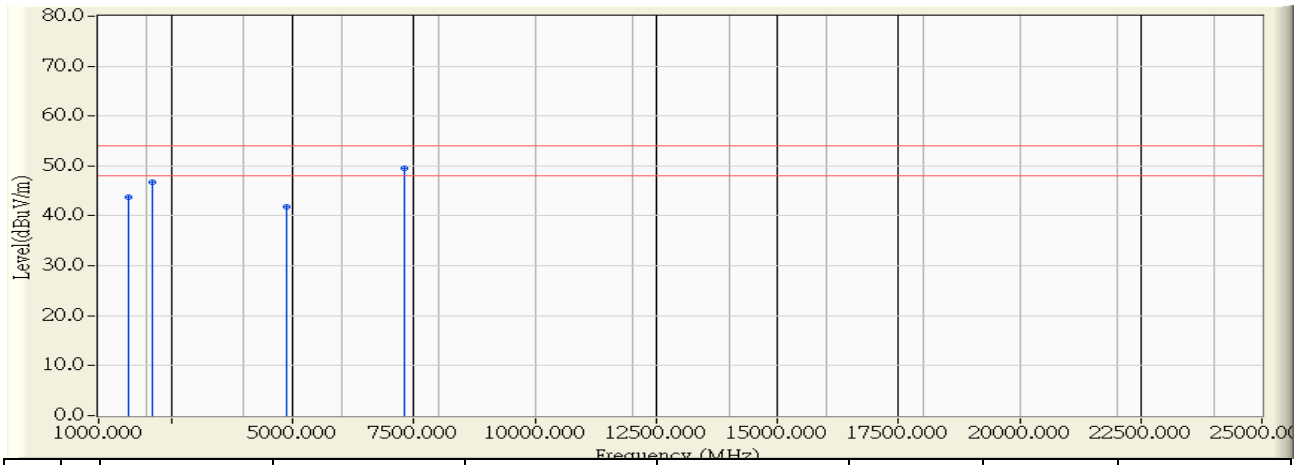


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1628.500	-8.622	61.950	53.328	-20.672	74.000	PEAK
2		2099.500	-6.225	62.530	56.305	-17.695	74.000	PEAK
3		4873.960	-0.412	55.830	55.418	-18.582	74.000	PEAK
4	*	7312.780	5.686	60.020	65.705	-8.295	74.000	PEAK
5		9752.245	10.120	40.010	50.131	-23.869	74.000	PEAK
6		12180.720	11.045	39.110	50.155	-23.845	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/17 - 20:51**
Limit : FCC_SpartC_15.247_H_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 : 802.11g_2437MHz**

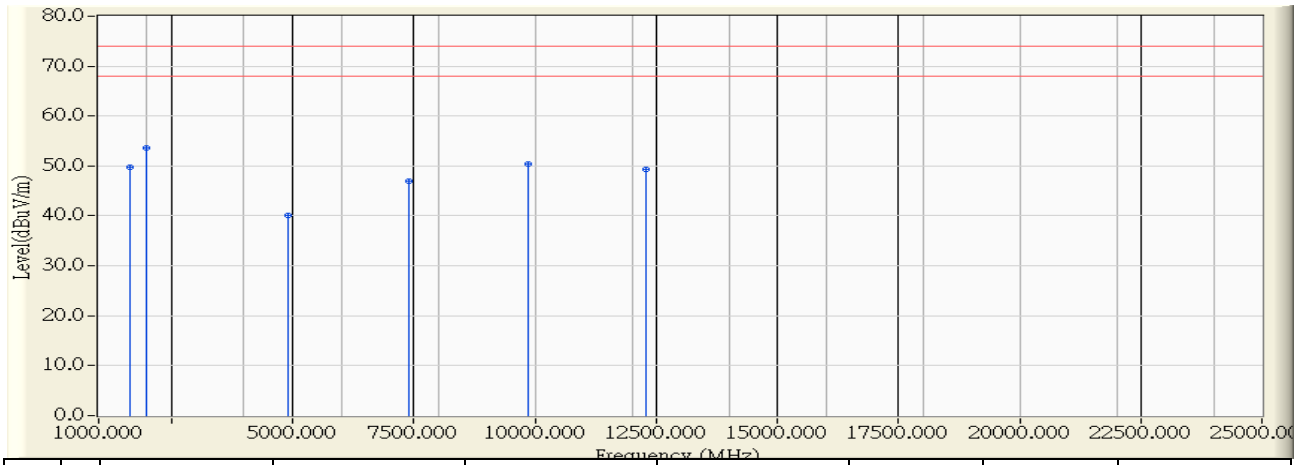


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1627.780	-8.625	52.320	43.695	-10.305	54.000	AVERAGE
2		2100.100	-6.219	53.070	46.851	-7.149	54.000	AVERAGE
3		4873.625	-0.412	42.190	41.777	-12.223	54.000	AVERAGE
4	*	7312.950	5.686	43.870	49.555	-4.445	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/11/17 - 21:15**
Limit : FCC_SpartC_15.247_H_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 : 802.11g_2462MHz**

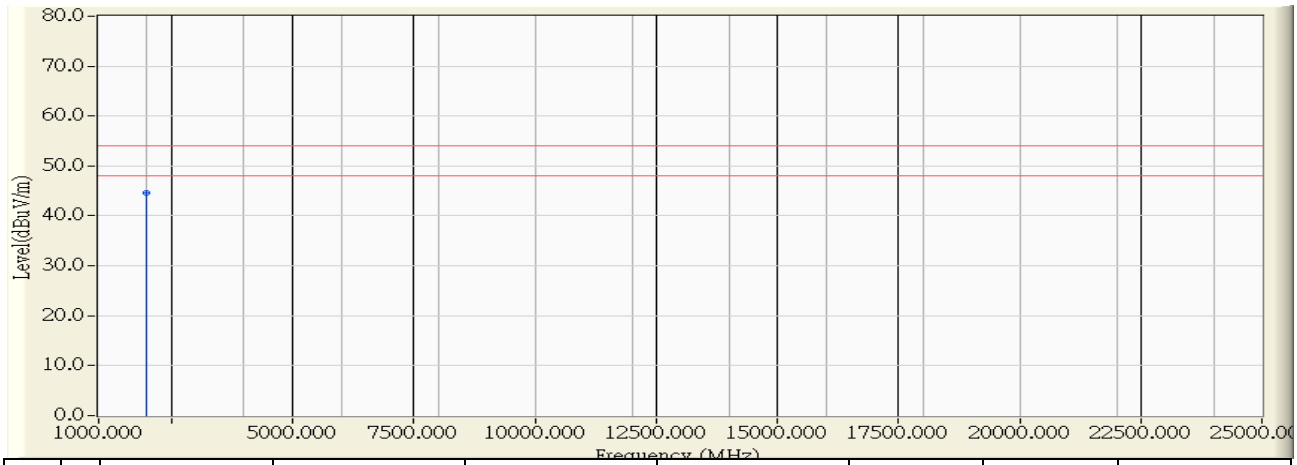


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1644.250	-8.572	58.410	49.837	-24.163	74.000	PEAK
2	*	1979.630	-7.420	60.960	53.540	-20.460	74.000	PEAK
3		4916.740	-0.308	40.440	40.133	-33.867	74.000	PEAK
4		7388.730	5.848	41.210	47.059	-26.941	74.000	PEAK
5		9856.430	10.796	39.530	50.325	-23.675	74.000	PEAK
6		12296.920	10.992	38.440	49.432	-24.568	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/17 - 21:15**
Limit : FCC_SpartC_15.247_H_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 : 802.11g_2462MHz**

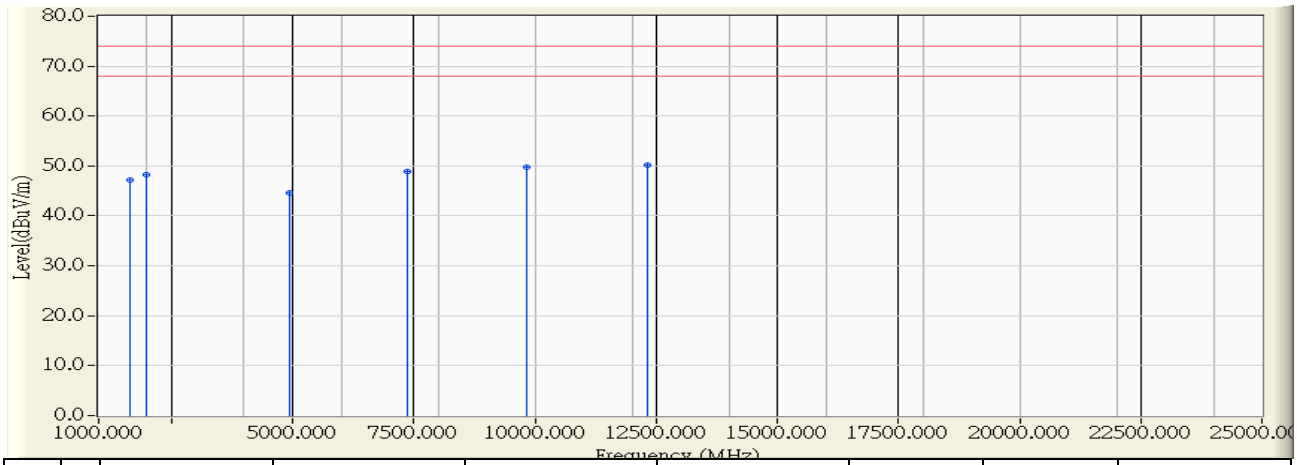


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1980.050	-7.417	51.960	44.544	-9.456	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/11/17 - 21:30**
Limit : FCC_SpartC_15.247_H_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 : 802.11g_2462MHz**

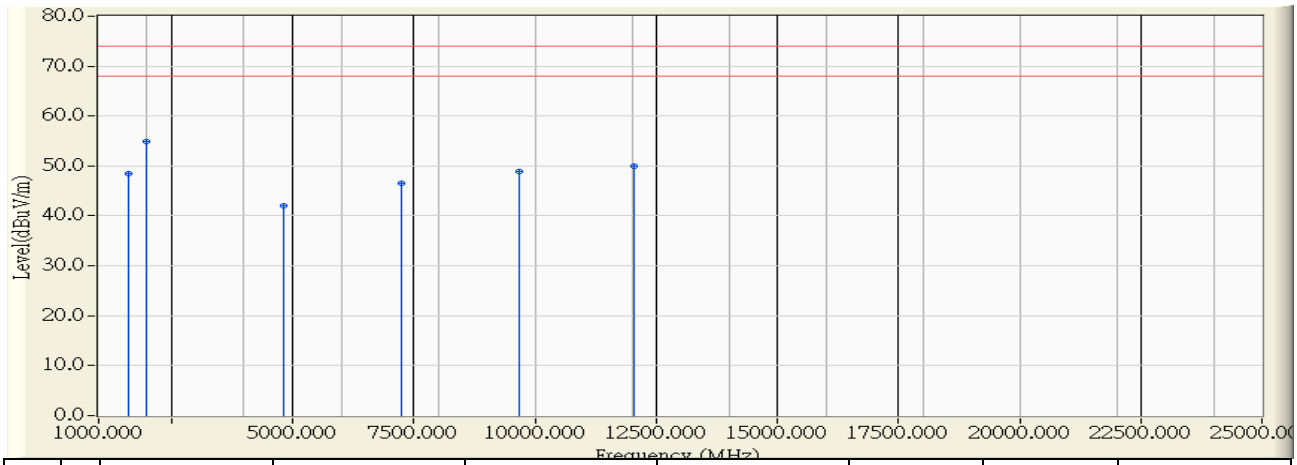


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1642.000	-8.580	55.760	47.180	-26.820	74.000	PEAK
2		1999.000	-7.226	55.510	48.283	-25.717	74.000	PEAK
3		4923.580	-0.290	44.950	44.659	-29.341	74.000	PEAK
4		7377.780	5.826	42.970	48.796	-25.204	74.000	PEAK
5		9822.470	10.576	39.290	49.866	-24.134	74.000	PEAK
6	*	12323.920	10.979	39.190	50.169	-23.831	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/17 - 21:33**
Limit : FCC_SpartC_15.247_H_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 : 802.11n(20MHz)_2412MHz**

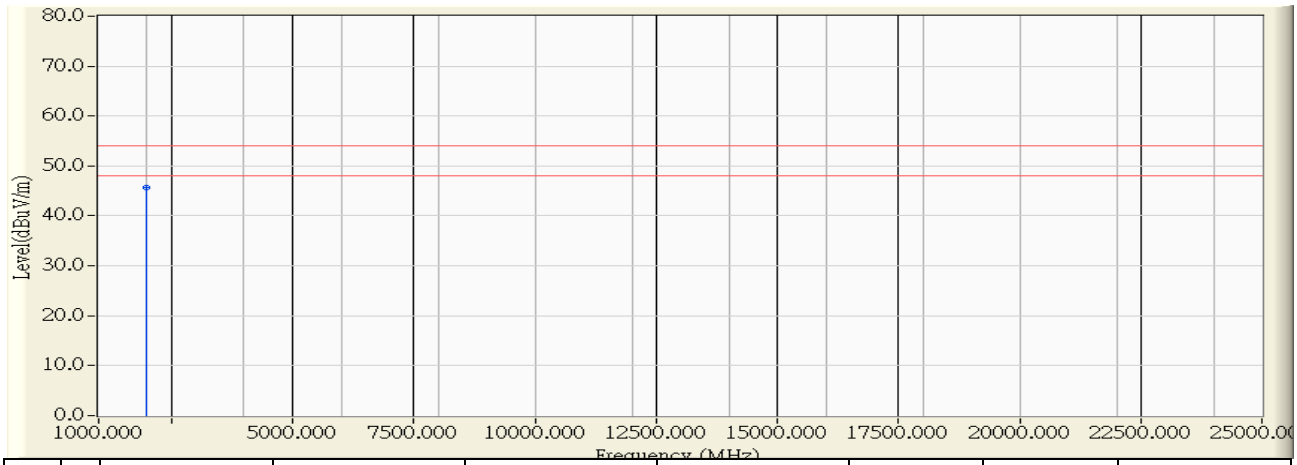


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1612.000	-8.675	57.110	48.435	-25.565	74.000	PEAK
2	*	1980.200	-7.414	62.340	54.926	-19.074	74.000	PEAK
3		4813.975	-0.558	42.500	41.942	-32.058	74.000	PEAK
4		7255.025	5.560	41.010	46.570	-27.430	74.000	PEAK
5		9671.250	9.597	39.240	48.836	-25.164	74.000	PEAK
6		12053.770	11.102	38.790	49.893	-24.107	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/17 - 21:37**
Limit : FCC_SpartC_15.247_H_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 : 802.11n(20MHz)_2412MHz**

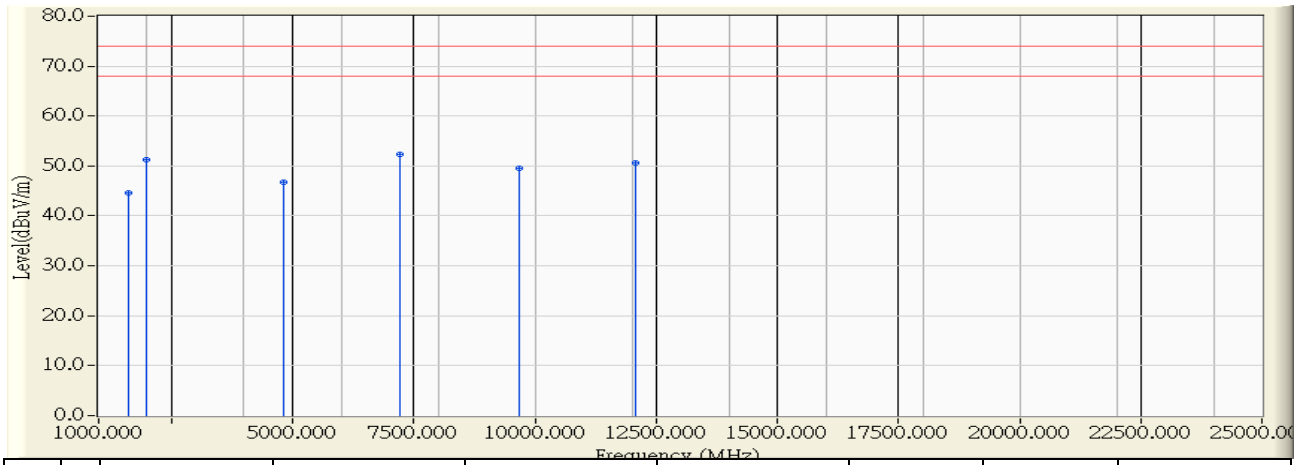


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1980.050	-7.417	53.020	45.604	-8.396	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/11/17 - 21:56**
Limit : FCC_SpartC_15.247_H_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 : 802.11n(20MHz)_2412MHz**

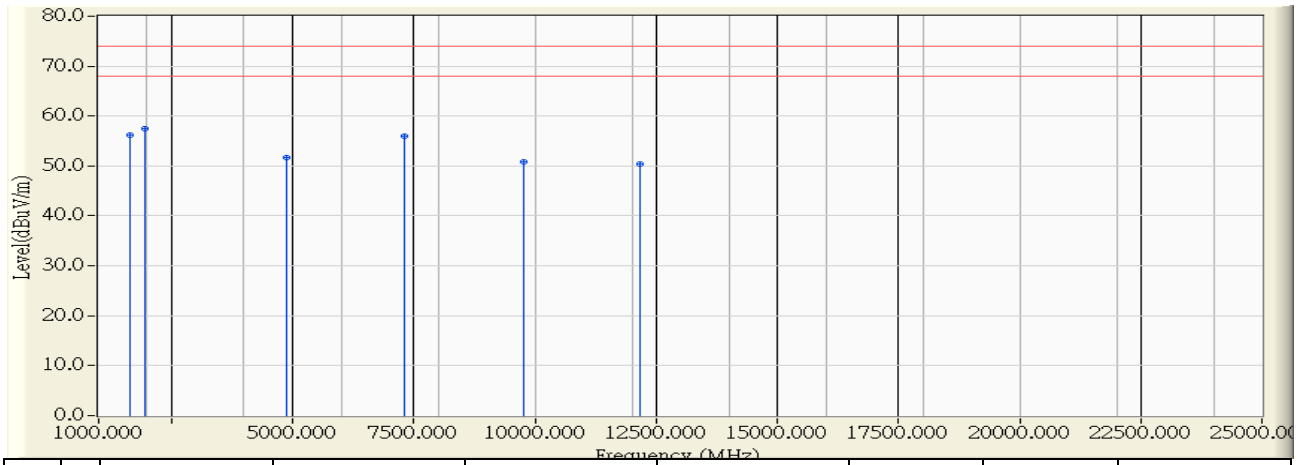


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1610.000	-8.681	53.260	44.579	-29.421	74.000	PEAK
2		2000.000	-7.217	58.570	51.353	-22.647	74.000	PEAK
3		4820.800	-0.541	47.250	46.709	-27.291	74.000	PEAK
4	*	7229.150	5.503	46.760	52.264	-21.736	74.000	PEAK
5		9661.975	9.536	39.960	49.496	-24.504	74.000	PEAK
6		12068.000	11.096	39.440	50.536	-23.464	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/17 - 22:02**
Limit : FCC_SpartC_15.247_H_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 : 802.11n(20MHz)_2437MHz**

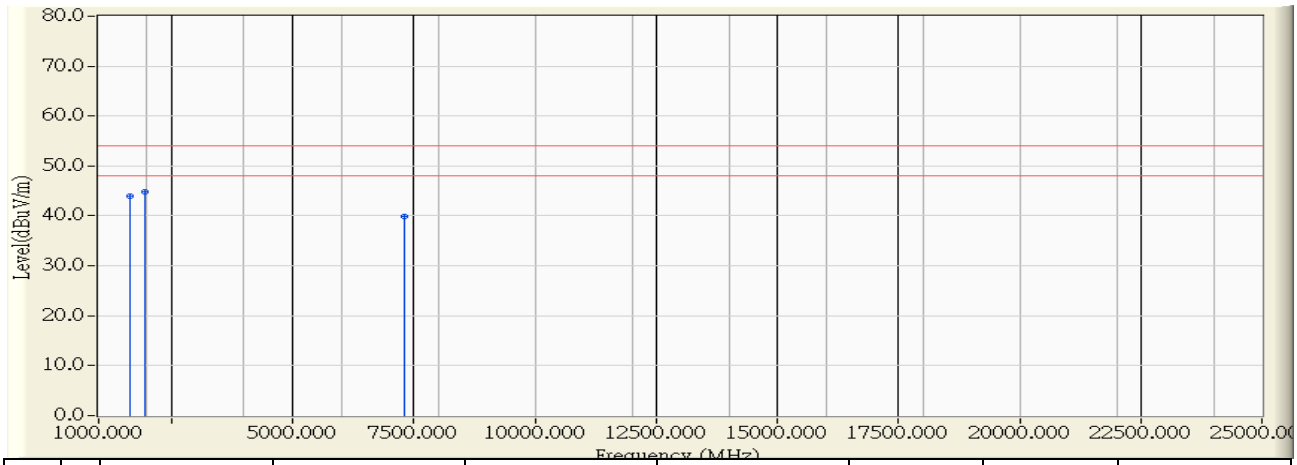


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1631.275	-8.614	64.800	56.186	-17.814	74.000	PEAK
2	*	1940.100	-7.638	65.180	57.542	-16.458	74.000	PEAK
3		4874.150	-0.411	52.020	51.609	-22.391	74.000	PEAK
4		7319.550	5.699	50.240	55.940	-18.060	74.000	PEAK
5		9767.850	10.222	40.580	50.802	-23.198	74.000	PEAK
6		12180.400	11.046	39.460	50.505	-23.495	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/17 - 22:02**
Limit : FCC_SpartC_15.247_H_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 : 802.11n(20MHz)_2437MHz**

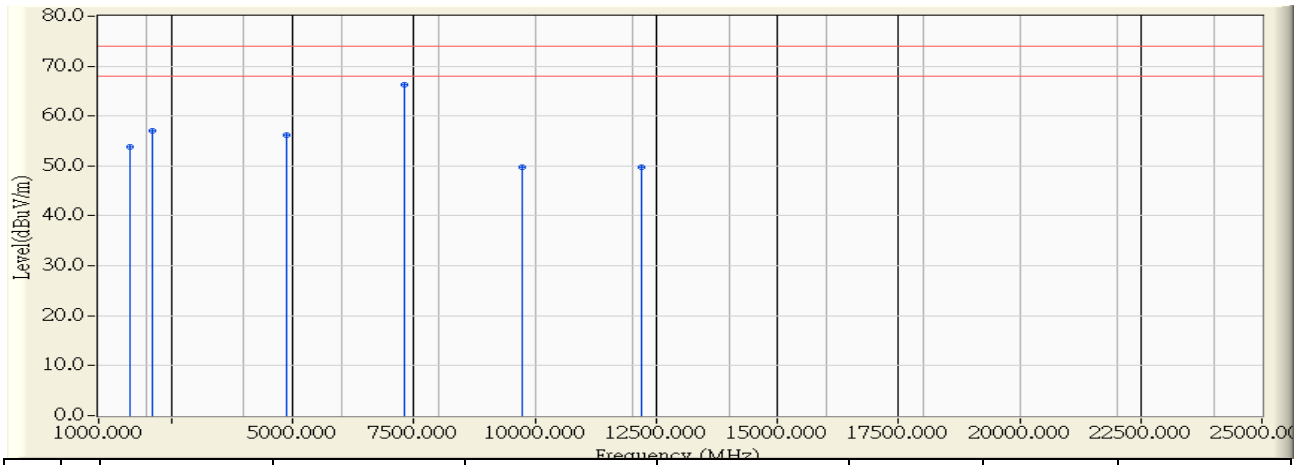


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1631.325	-8.614	52.640	44.026	-9.974	54.000	AVERAGE
2	*	1940.000	-7.638	52.370	44.732	-9.268	54.000	AVERAGE
3		7309.025	5.676	34.300	39.977	-14.023	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/11/17 - 22:15**
Limit : FCC_SpartC_15.247_H_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 : 802.11n(20MHz)_2437MHz**

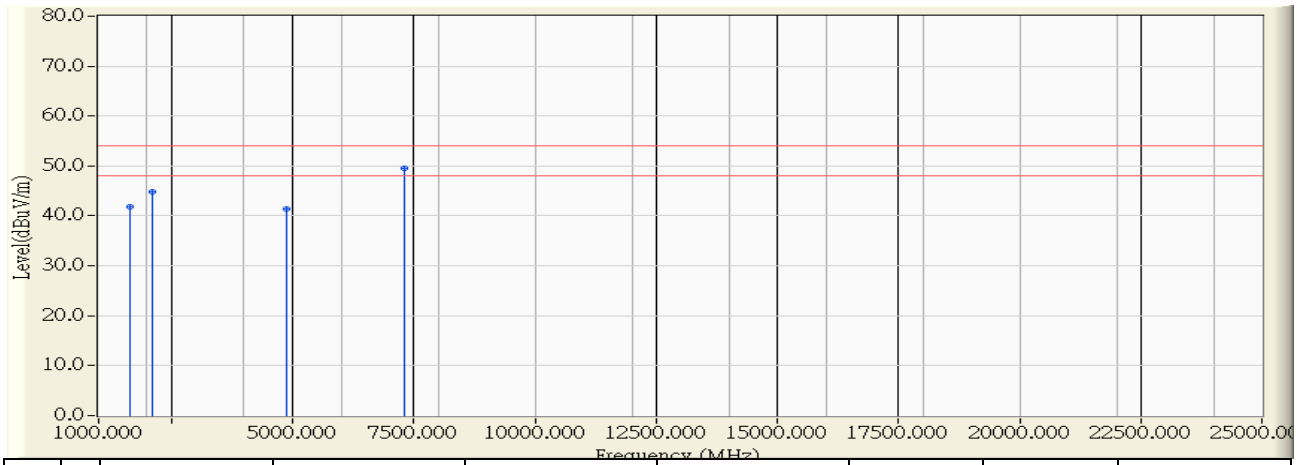


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1632.550	-8.610	62.530	53.920	-20.080	74.000	PEAK
2		2100.000	-6.220	63.350	57.130	-16.870	74.000	PEAK
3		4868.975	-0.424	56.520	56.096	-17.904	74.000	PEAK
4	*	7313.650	5.686	60.580	66.267	-7.733	74.000	PEAK
5		9732.950	9.996	39.760	49.756	-24.244	74.000	PEAK
6		12186.700	11.042	38.670	49.712	-24.288	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/17 - 22:16**
Limit : FCC_SpartC_15.247_H_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 : 802.11n(20MHz)_2437MHz**

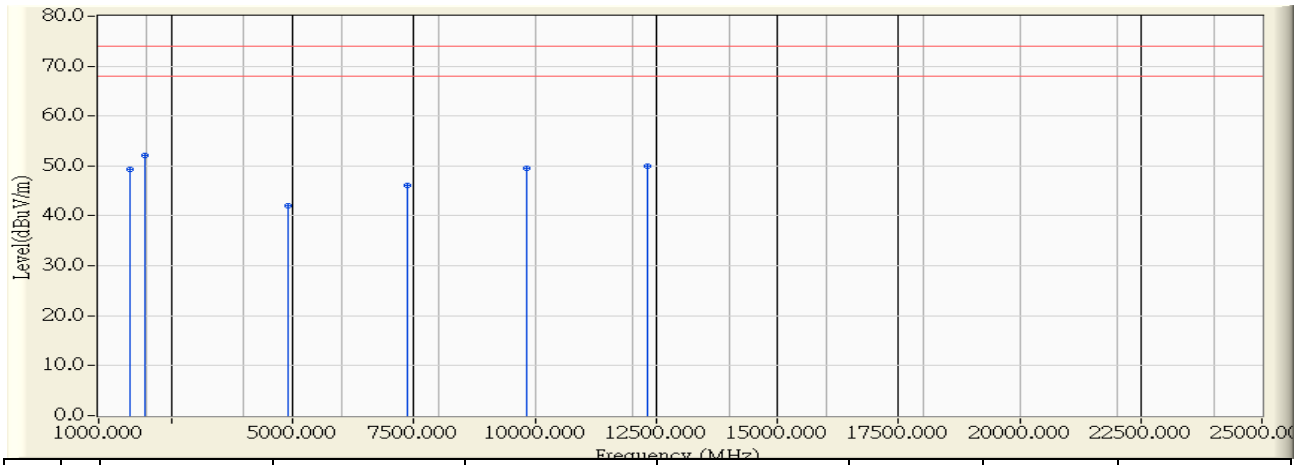


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1632.750	-8.610	50.490	41.881	-12.119	54.000	AVERAGE
2		2100.050	-6.220	51.090	44.870	-9.130	54.000	AVERAGE
3		4873.600	-0.412	41.730	41.317	-12.683	54.000	AVERAGE
4	*	7313.625	5.686	43.840	49.527	-4.473	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/11/17 - 22:40**
Limit : FCC_SpartC_15.247_H_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 : 802.11n(20MHz)_2462MHz**

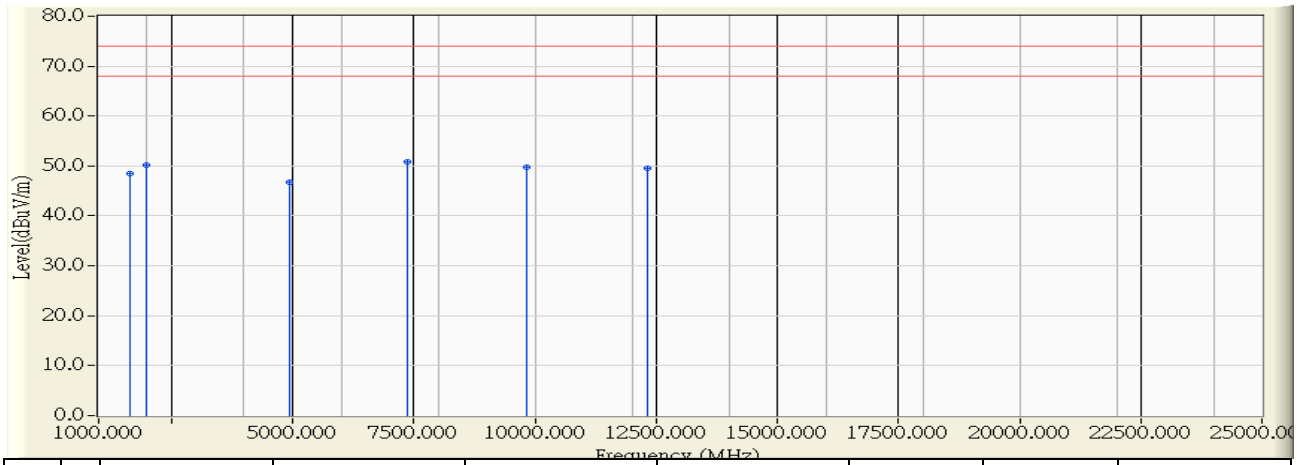


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1648.000	-8.561	57.960	49.399	-24.601	74.000	PEAK
2	*	1940.020	-7.638	59.860	52.222	-21.778	74.000	PEAK
3		4918.920	-0.302	42.310	42.008	-31.992	74.000	PEAK
4		7382.360	5.836	40.210	46.045	-27.955	74.000	PEAK
5		9833.000	10.644	38.870	49.514	-24.486	74.000	PEAK
6		12318.360	10.982	38.940	49.922	-24.078	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/17 - 22:42**
Limit : FCC_SpartC_15.247_H_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 : 802.11n(20MHz)_2462MHz**

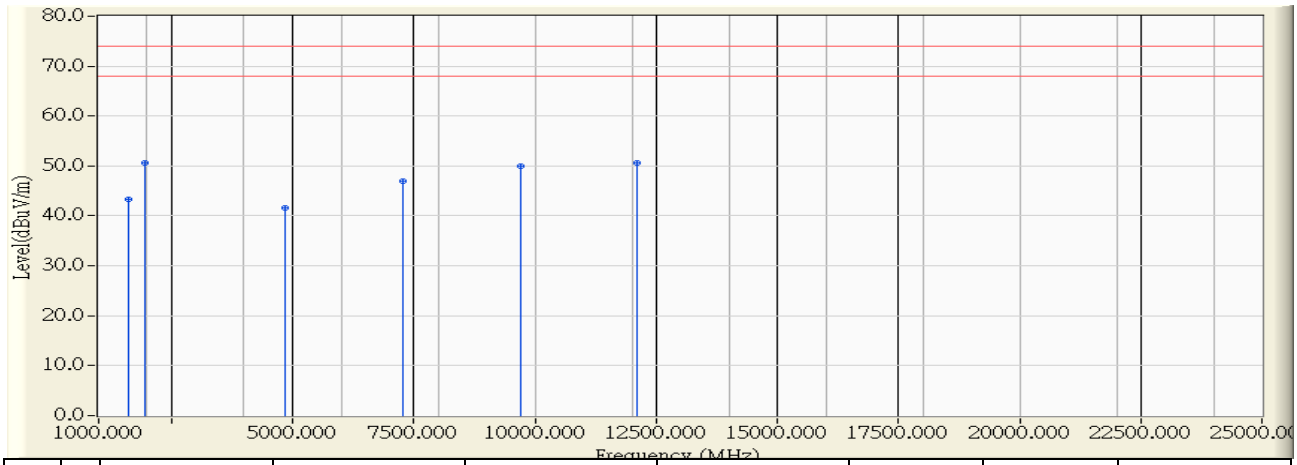


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1648.000	-8.561	56.930	48.369	-25.631	74.000	PEAK
2		2000.000	-7.217	57.430	50.213	-23.787	74.000	PEAK
3		4926.760	-0.284	47.070	46.787	-27.213	74.000	PEAK
4	*	7384.280	5.840	44.900	50.740	-23.260	74.000	PEAK
5		9837.640	10.674	39.020	49.694	-24.306	74.000	PEAK
6		12320.460	10.982	38.550	49.531	-24.469	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/20 - 10:44**
Limit : FCC_SpartC_15.247_H_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 : 802.11n(40MHz)_2422MHz**

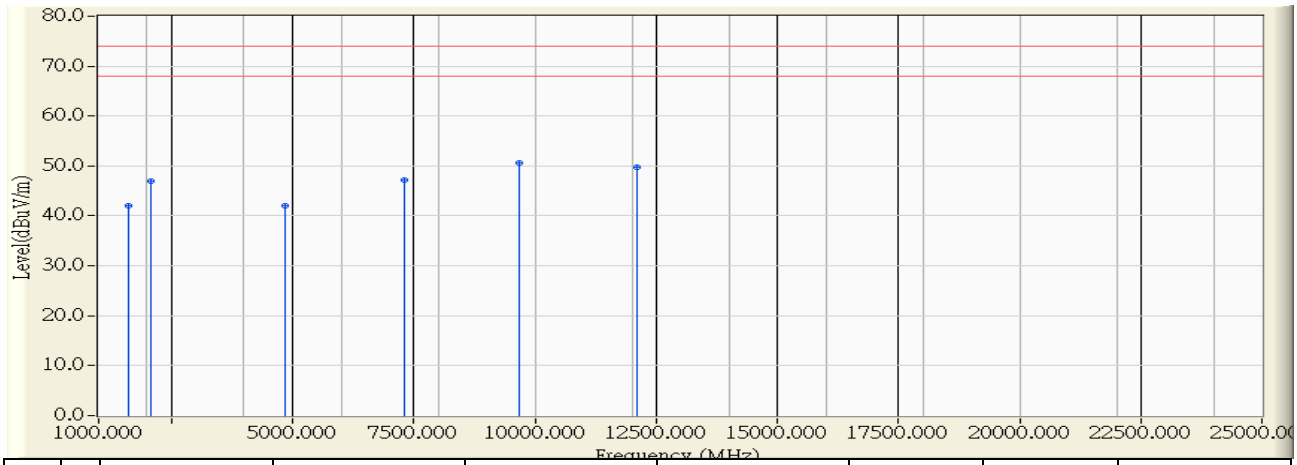


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1625.500	-8.632	51.990	43.358	-30.642	74.000	PEAK
2		1940.500	-7.637	58.220	50.583	-23.417	74.000	PEAK
3		4839.530	-0.496	42.150	41.654	-32.346	74.000	PEAK
4		7291.020	5.638	41.240	46.878	-27.122	74.000	PEAK
5		9715.210	9.881	40.130	50.011	-23.989	74.000	PEAK
6	*	12108.980	11.077	39.600	50.678	-23.322	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/20 - 10:54**
Limit : FCC_SpartC_15.247_H_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 : 802.11n(40MHz)_2422MHz**

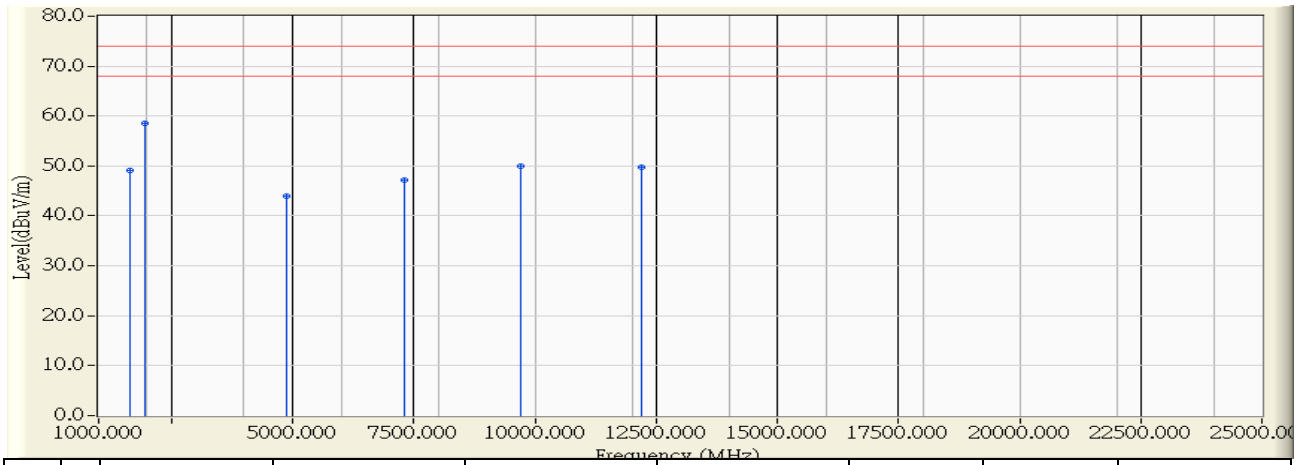


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1627.000	-8.627	50.740	42.113	-31.887	74.000	PEAK
2		2080.000	-6.420	53.300	46.881	-27.119	74.000	PEAK
3		4841.680	-0.491	42.630	42.140	-31.860	74.000	PEAK
4		7294.560	5.645	41.630	47.275	-26.725	74.000	PEAK
5	*	9691.510	9.727	40.970	50.698	-23.302	74.000	PEAK
6		12111.270	11.077	38.770	49.846	-24.154	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/20 - 11:29**
Limit : FCC_SpartC_15.247_H_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 : 802.11n(40MHz)_2437MHz**

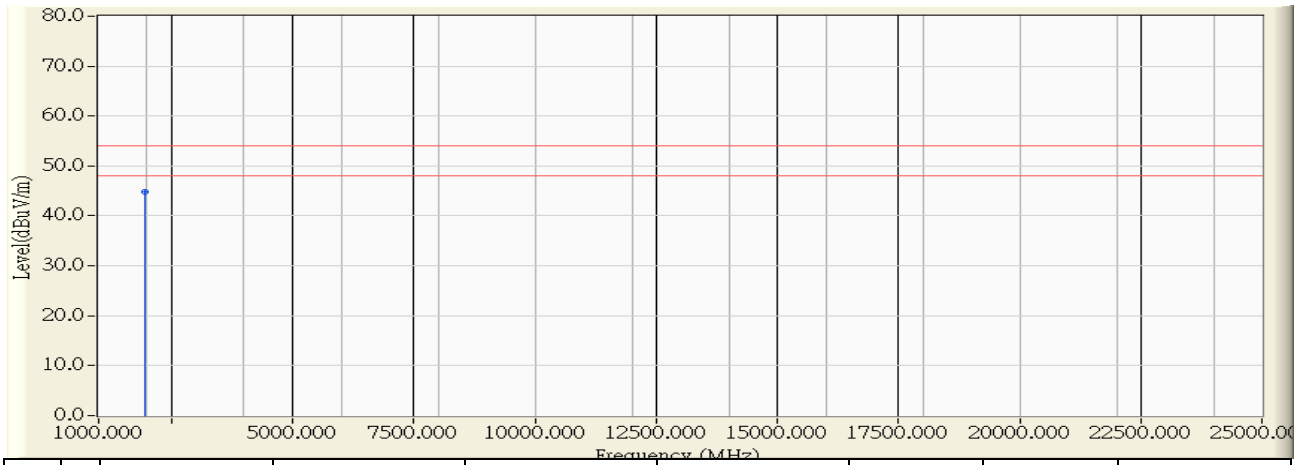


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1633.000	-8.608	57.820	49.212	-24.788	74.000	PEAK
2	*	1940.500	-7.637	66.120	58.483	-15.517	74.000	PEAK
3		4876.350	-0.406	44.320	43.914	-30.086	74.000	PEAK
4		7301.950	5.662	41.460	47.121	-26.879	74.000	PEAK
5		9710.050	9.848	40.100	49.948	-24.052	74.000	PEAK
6		12194.350	11.039	38.690	49.729	-24.271	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/20 - 11:30**
Limit : FCC_SpartC_15.247_H_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 : 802.11n(40MHz)_2437MHz**

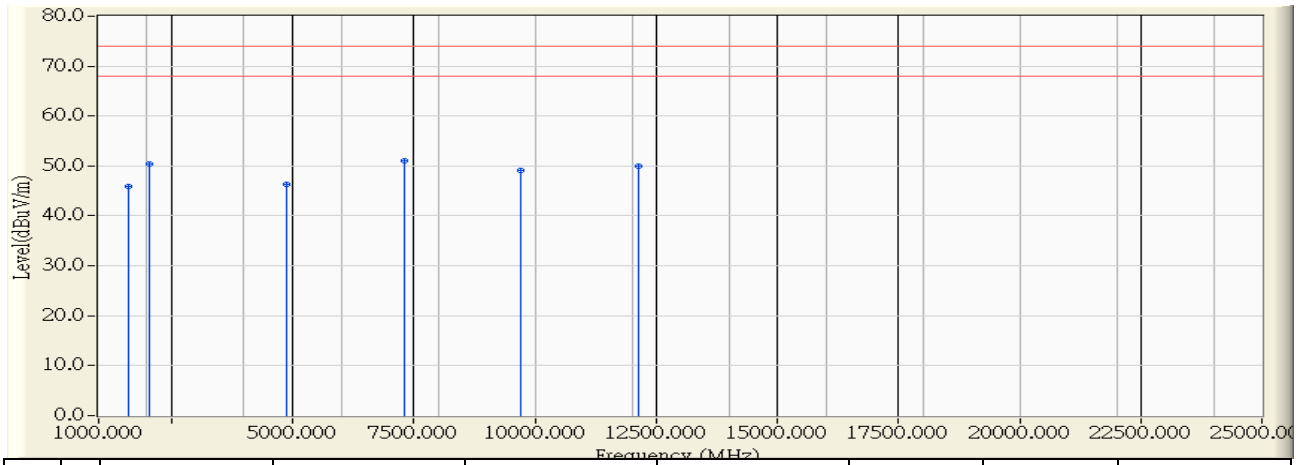


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1940.050	-7.638	52.410	44.772	-9.228	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/11/20 - 11:47**
Limit : FCC_SpartC_15.247_H_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 : 802.11n(40MHz)_2437MHz**

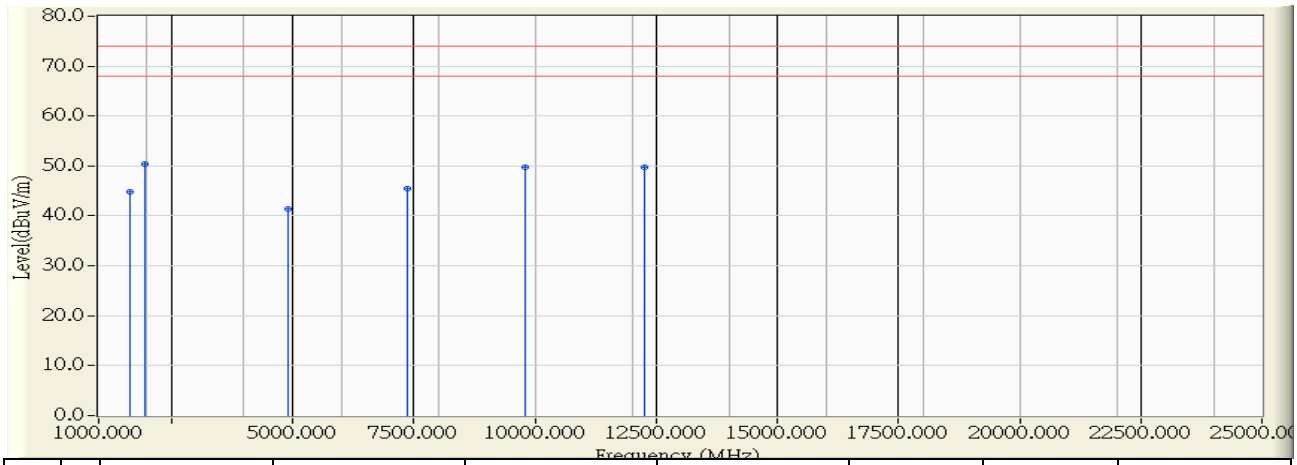


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1627.000	-8.627	54.580	45.953	-28.047	74.000	PEAK
2		2033.500	-6.883	57.250	50.367	-23.633	74.000	PEAK
3		4871.800	-0.418	46.770	46.353	-27.647	74.000	PEAK
4	*	7299.600	5.656	45.370	51.026	-22.974	74.000	PEAK
5		9704.450	9.811	39.370	49.181	-24.819	74.000	PEAK
6		12143.600	11.061	38.820	49.882	-24.118	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/20 - 11:56**
Limit : FCC_SpartC_15.247_H_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 : 802.11n(40MHz)_2452MHz**

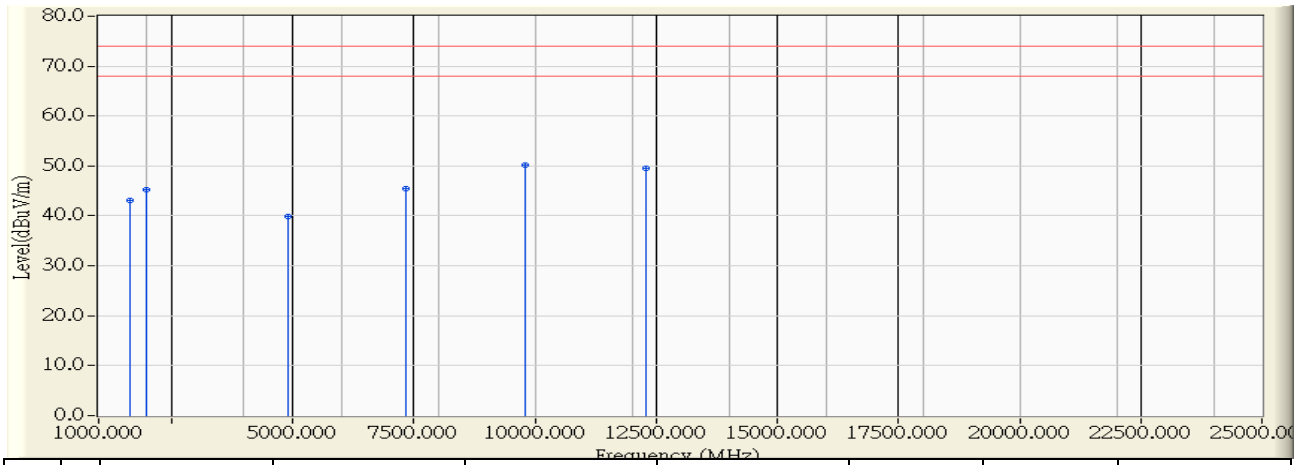


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1633.000	-8.608	53.520	44.912	-29.088	74.000	PEAK
2	*	1940.500	-7.637	58.050	50.413	-23.587	74.000	PEAK
3		4911.500	-0.320	41.790	41.470	-32.530	74.000	PEAK
4		7376.900	5.824	39.720	45.544	-28.456	74.000	PEAK
5		9790.250	10.367	39.460	49.827	-24.173	74.000	PEAK
6		12261.250	11.008	38.760	49.768	-24.232	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/20 - 12:00**
Limit : FCC_SpartC_15.247_H_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 : 802.11n(40MHz)_2452MHz**

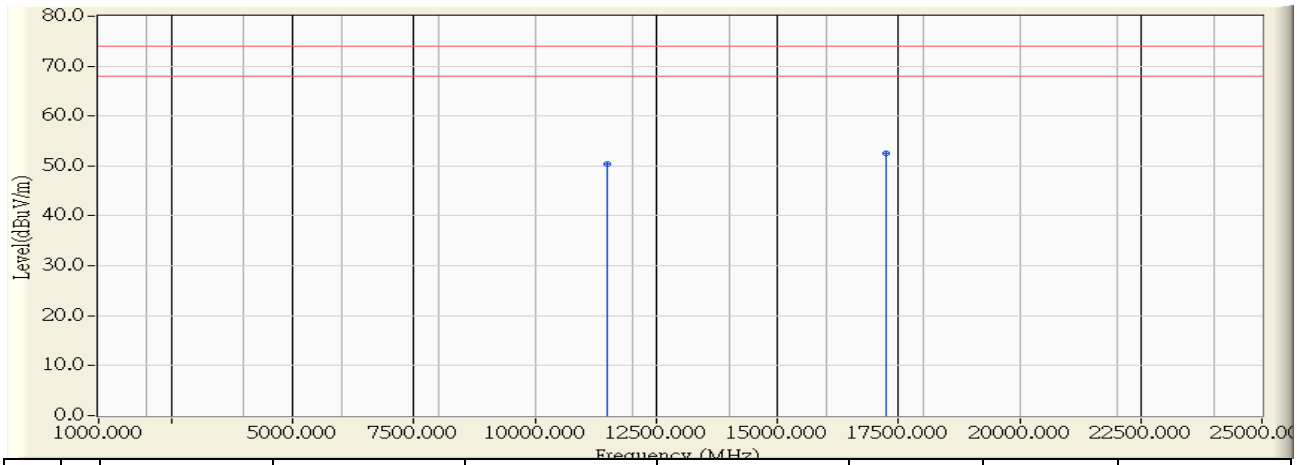


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1637.500	-8.594	51.810	43.216	-30.784	74.000	PEAK
2		1979.500	-7.421	52.570	45.149	-28.851	74.000	PEAK
3		4913.750	-0.314	40.160	39.845	-34.155	74.000	PEAK
4		7336.200	5.735	39.690	45.426	-28.574	74.000	PEAK
5	*	9787.400	10.349	39.900	50.249	-23.751	74.000	PEAK
6		12277.850	11.000	38.600	49.600	-24.400	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/20 - 20:15**
Limit : FCC_SpartC_15.247_H_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 : 802.11a_5745MHz**

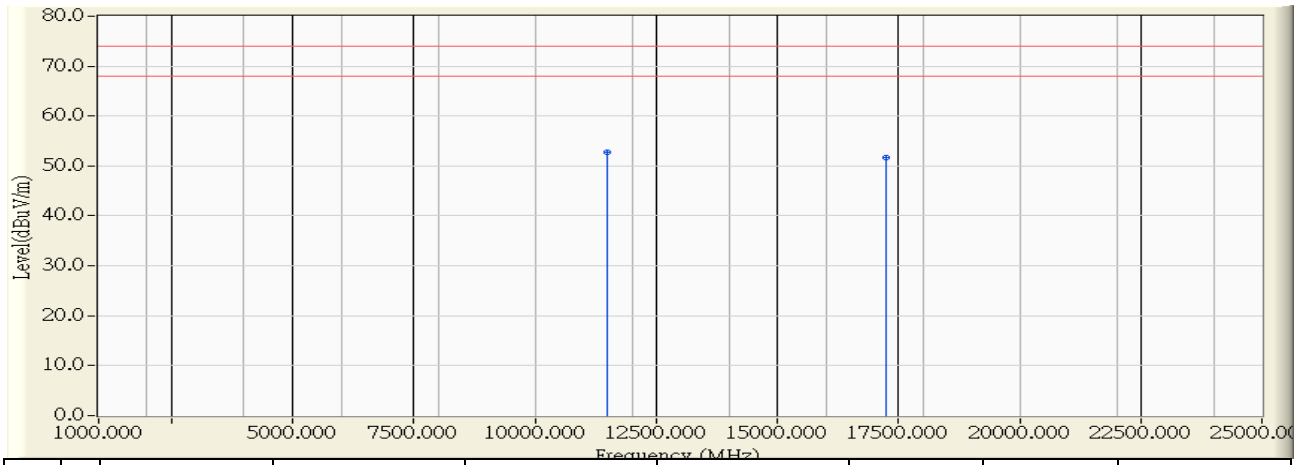


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11483.000	11.518	38.900	50.418	-23.582	74.000	PEAK
2	*	17253.520	15.664	36.920	52.584	-21.416	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/20 - 20:18**
Limit : FCC_SpartC_15.247_H_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 : 802.11a_5745MHz**

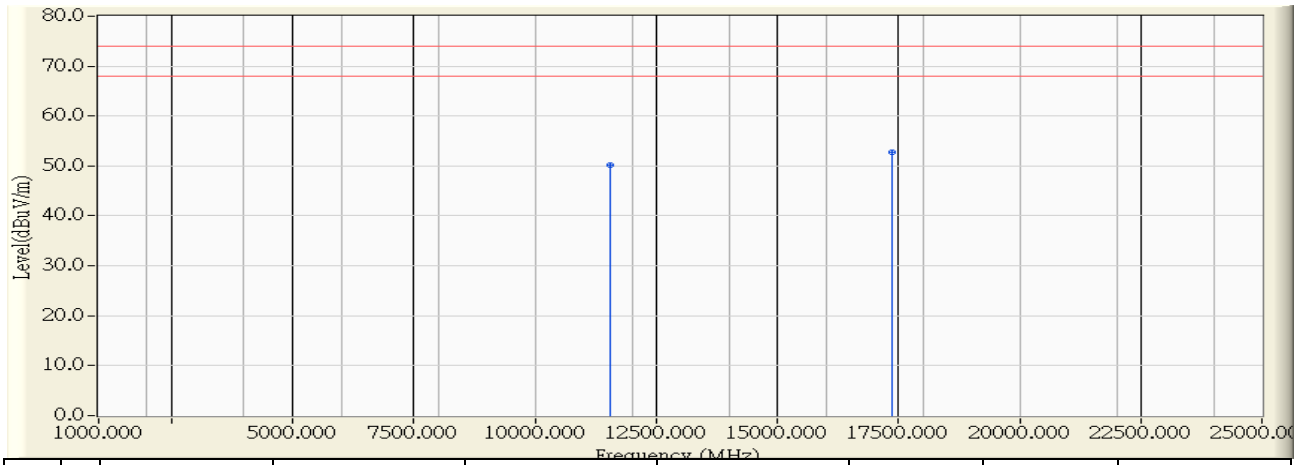


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11481.920	11.519	41.240	52.759	-21.241	74.000	PEAK
2		17248.120	15.639	35.970	51.609	-22.391	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/20 - 20:21**
Limit : FCC_SpartC_15.247_H_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 : 802.11a_5785MHz**

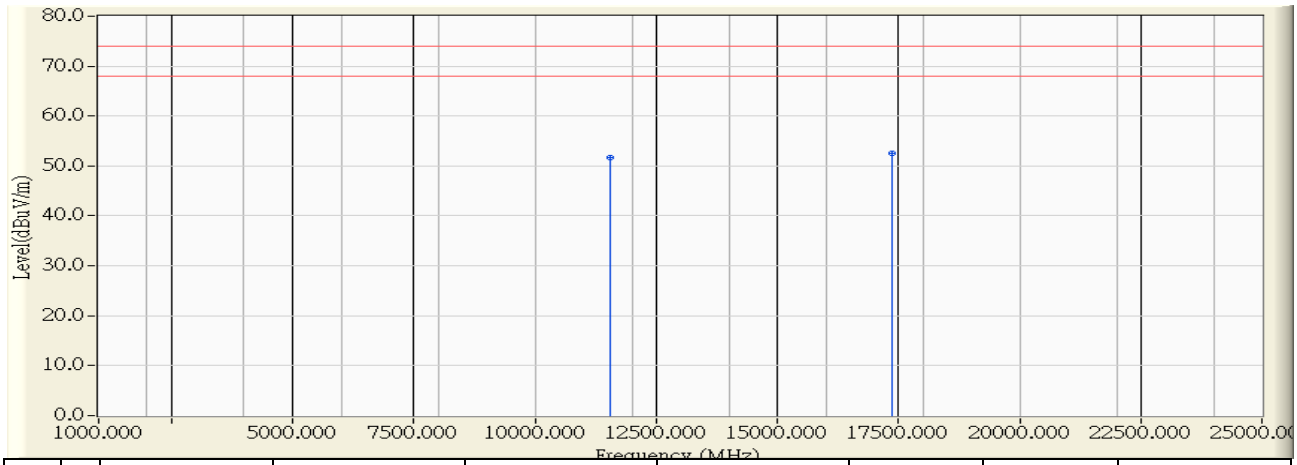


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11567.840	11.452	38.700	50.152	-23.848	74.000	PEAK
2	*	17378.960	16.240	36.550	52.791	-21.209	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/20 - 20:26**
Limit : FCC_SpartC_15.247_H_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 : 802.11a_5785MHz**

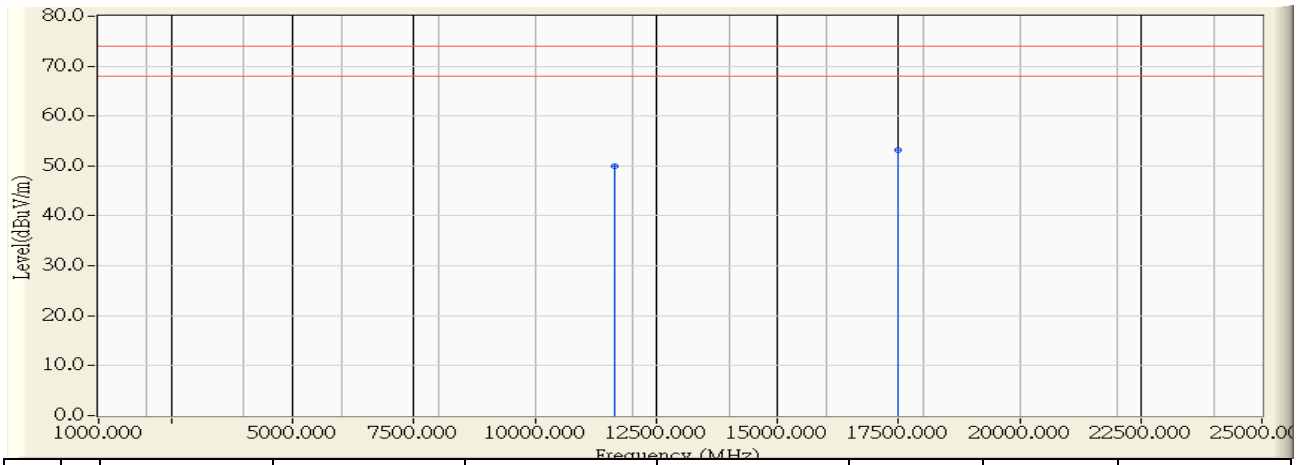


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11568.680	11.451	40.300	51.752	-22.248	74.000	PEAK
2	*	17378.960	16.240	36.350	52.591	-21.409	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/20 - 20:30**
Limit : FCC_SpartC_15.247_H_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 : 802.11a_5825MHz**

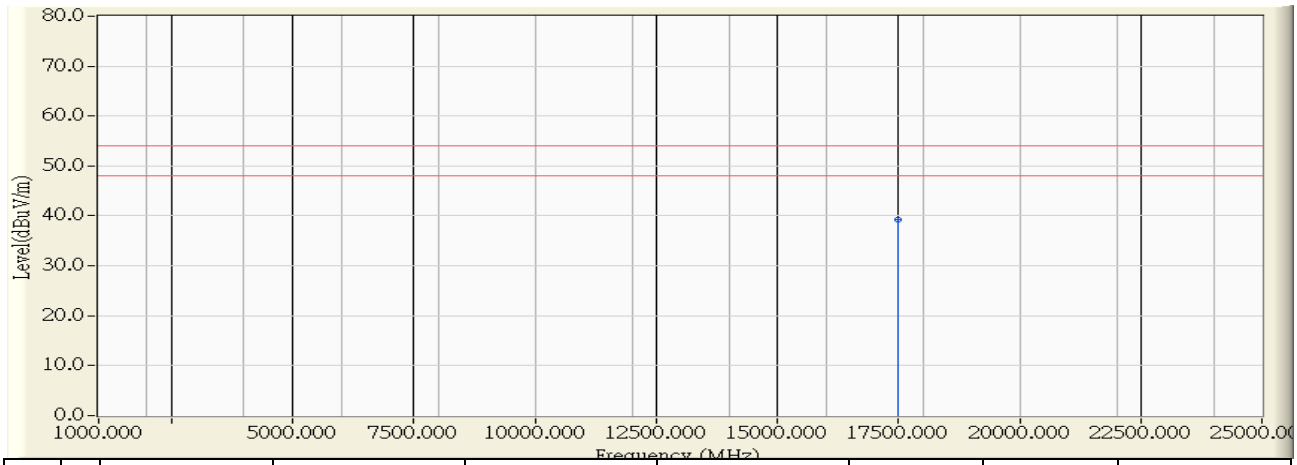


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11649.200	11.389	38.540	49.929	-24.071	74.000	PEAK
2	*	17497.760	17.022	36.170	53.193	-20.807	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/20 - 20:31**
Limit : FCC_SpartC_15.247_H_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 : 802.11a_5825MHz**

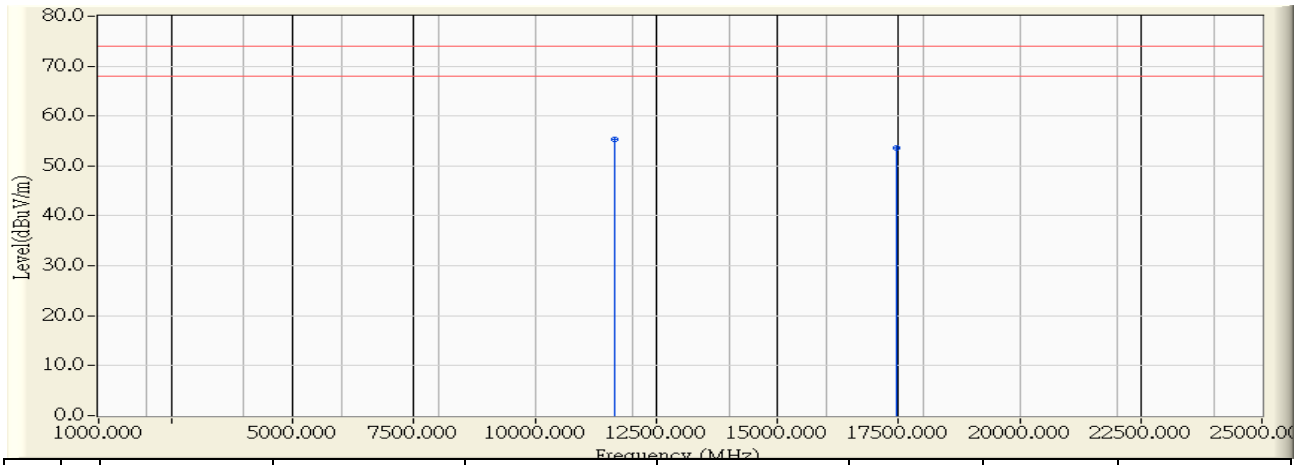


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	17480.000	16.810	22.540	39.350	-14.650	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/11/20 - 20:34**
Limit : FCC_SpartC_15.247_H_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 : 802.11a_5825MHz**

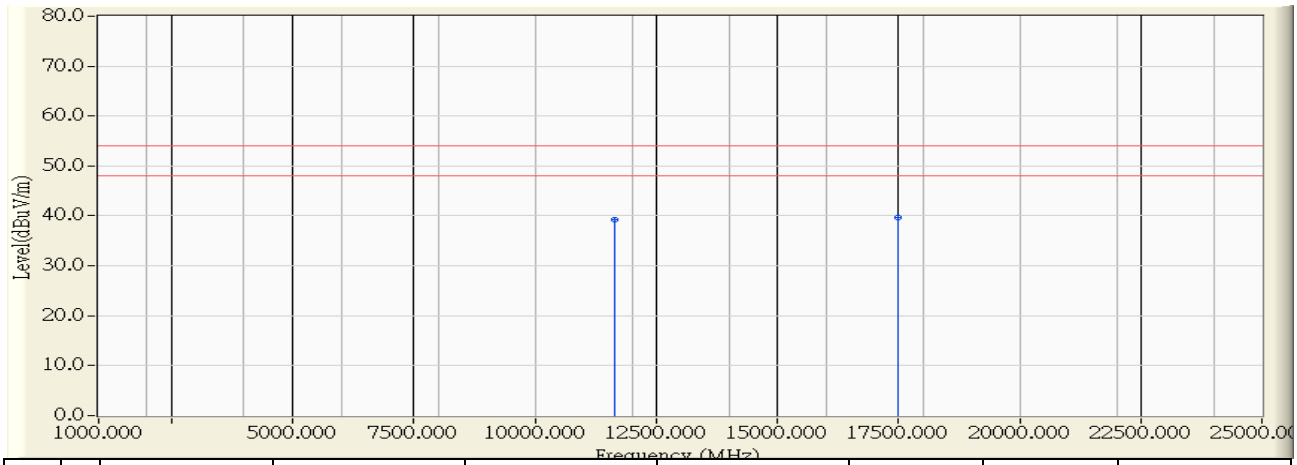


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11648.840	11.389	43.840	55.229	-18.771	74.000	PEAK
2		17476.240	16.765	36.870	53.635	-20.365	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/20 - 20:35**
Limit : FCC_SpartC_15.247_H_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 : 802.11a_5825MHz**

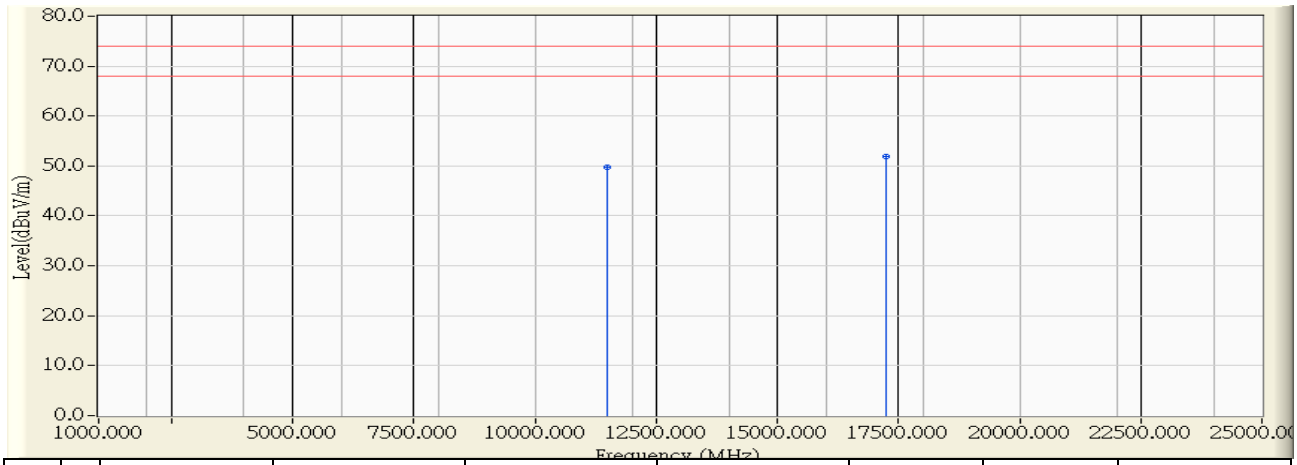


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11646.840	11.391	27.810	39.201	-14.799	54.000	AVERAGE
2	*	17488.960	16.918	22.830	39.747	-14.253	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/11/20 - 20:39**
Limit : FCC_SpartC_15.247_H_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 : 802.11n(20MHz)_5745MHz**

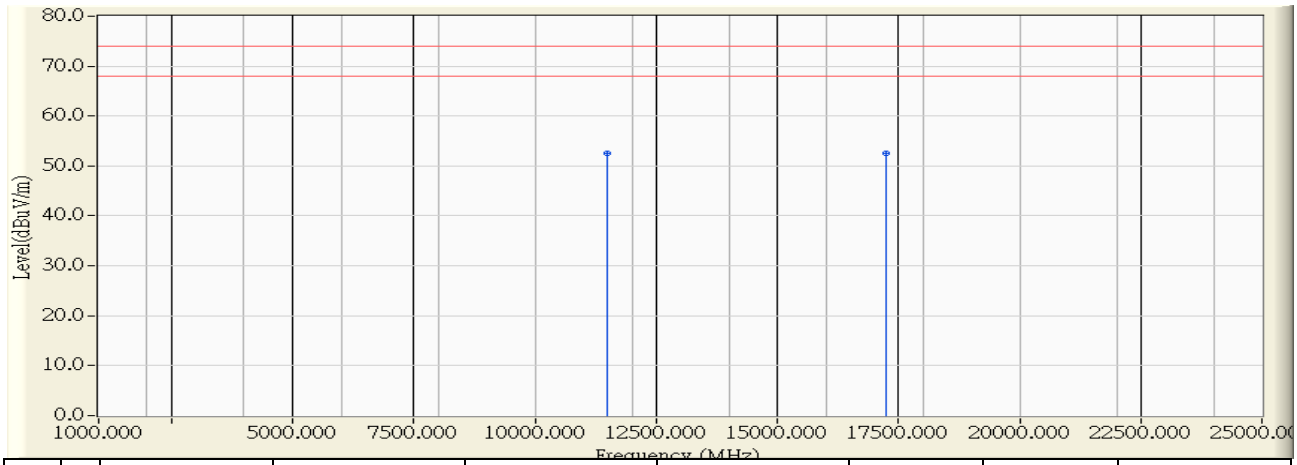


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11491.280	11.512	38.240	49.752	-24.248	74.000	PEAK
2	*	17252.360	15.659	36.350	52.008	-21.992	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/20 - 20:42**
Limit : FCC_SpartC_15.247_H_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 : 802.11n(20MHz)_5745MHz**

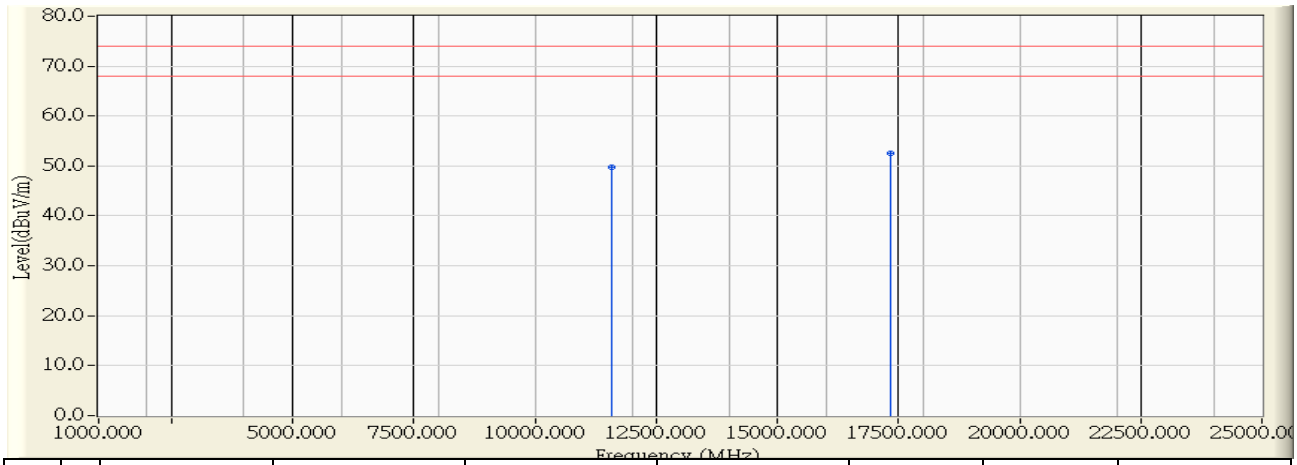


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11482.120	11.519	40.970	52.489	-21.511	74.000	PEAK
2		17257.360	15.682	36.800	52.481	-21.519	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/20 - 20:46**
Limit : FCC_SpartC_15.247_H_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 : 802.11n(20MHz)_5785MHz**

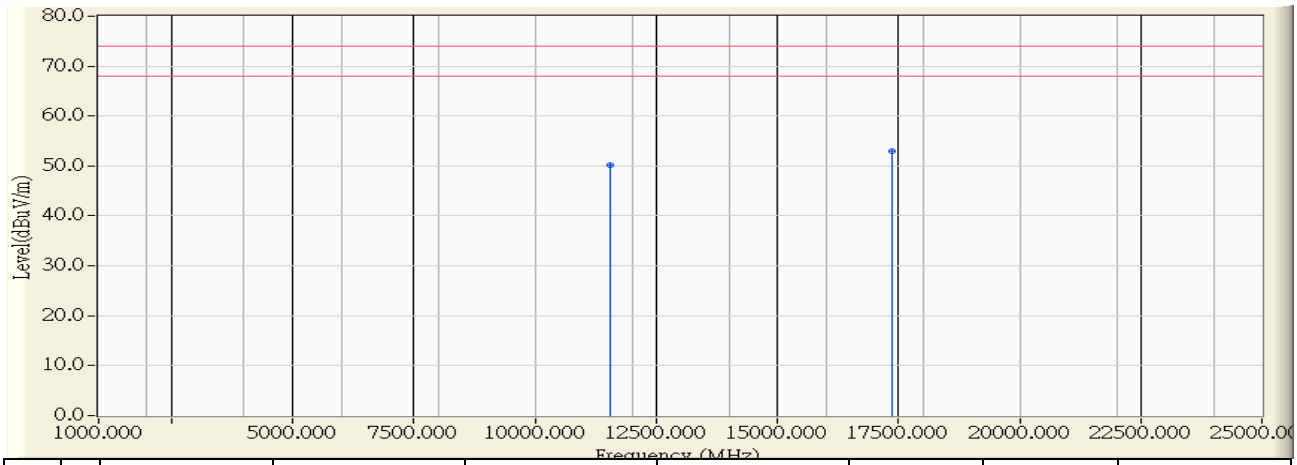


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11580.920	11.442	38.310	49.752	-24.248	74.000	PEAK
2	*	17330.200	16.017	36.540	52.556	-21.444	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/20 - 20:49**
Limit : FCC_SpartC_15.247_H_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 : 802.11n(20MHz)_5785MHz**

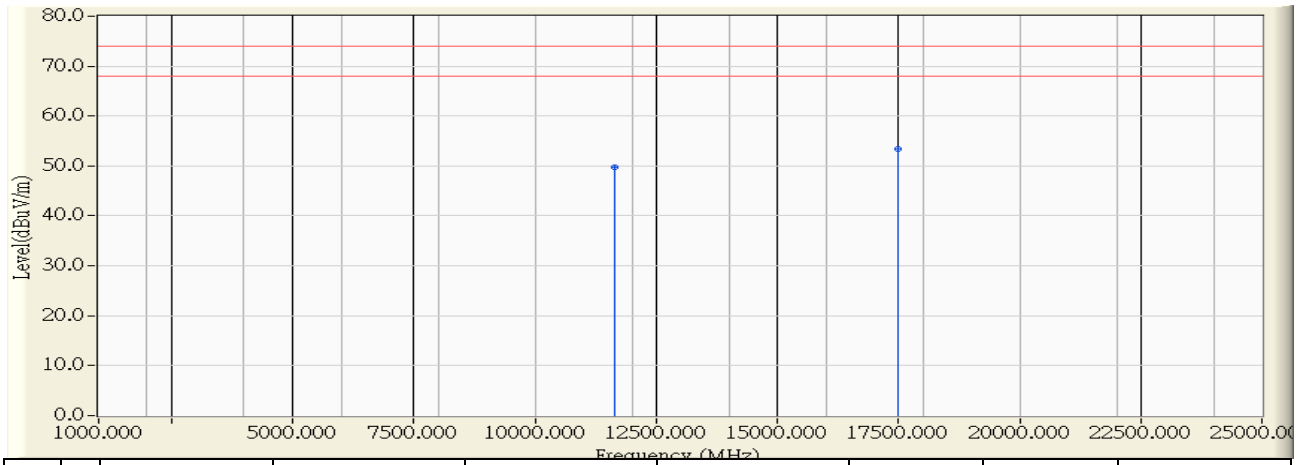


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11564.200	11.455	38.730	50.185	-23.815	74.000	PEAK
2	*	17357.320	16.142	36.770	52.911	-21.089	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/20 - 20:53**
Limit : FCC_SpartC_15.247_H_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 : 802.11n(20MHz)_5825MHz**

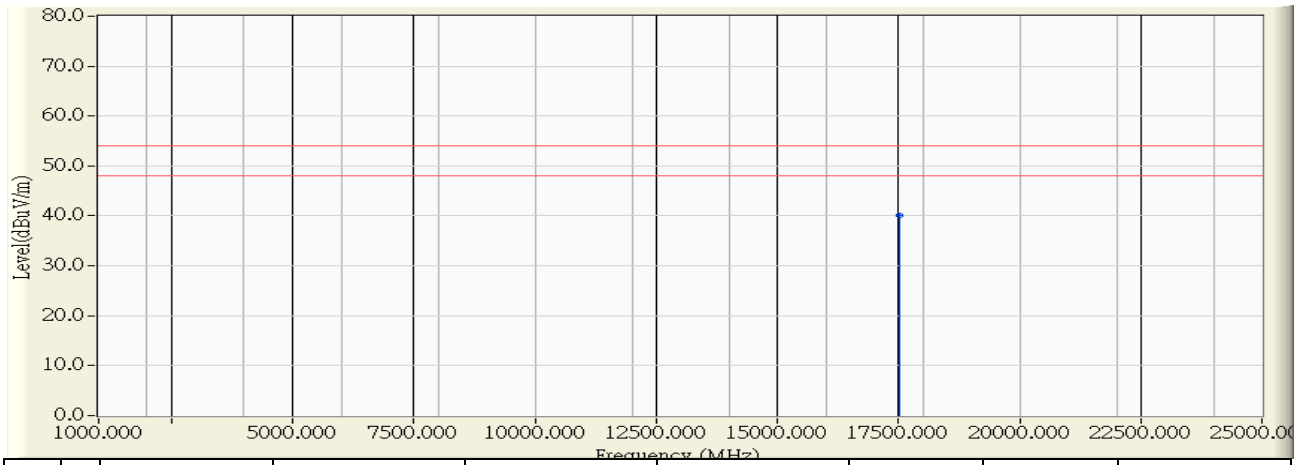


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11650.120	11.388	38.420	49.808	-24.192	74.000	PEAK
2	*	17502.960	17.086	36.330	53.415	-20.585	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/20 - 20:53**
Limit : FCC_SpartC_15.247_H_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 : 802.11n(20MHz)_5825MHz**

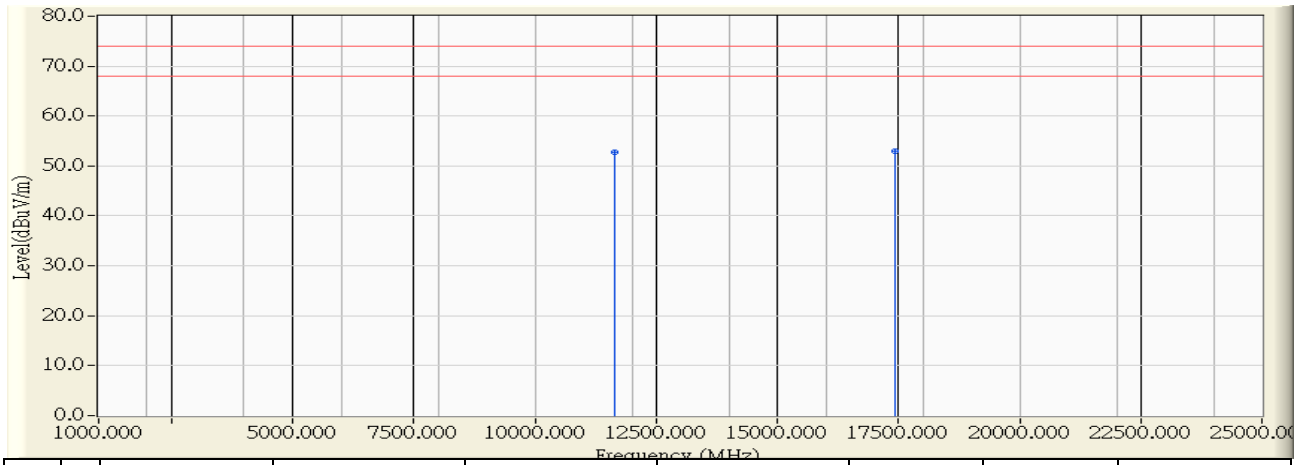


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	17514.280	17.221	22.810	40.031	-13.969	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/11/20 - 20:58**
Limit : FCC_SpartC_15.247_H_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 : 802.11n(20MHz)_5825MHz**

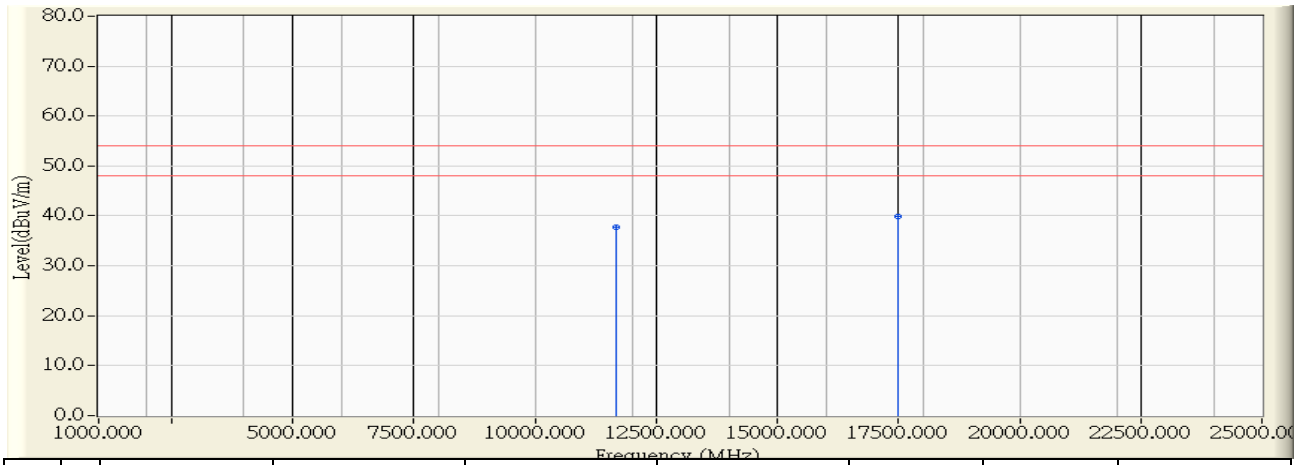


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11648.520	11.389	41.470	52.860	-21.140	74.000	PEAK
2	*	17437.080	16.508	36.560	53.068	-20.932	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/20 - 20:59**
Limit : FCC_SpartC_15.247_H_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 : 802.11n(20MHz)_5825MHz**

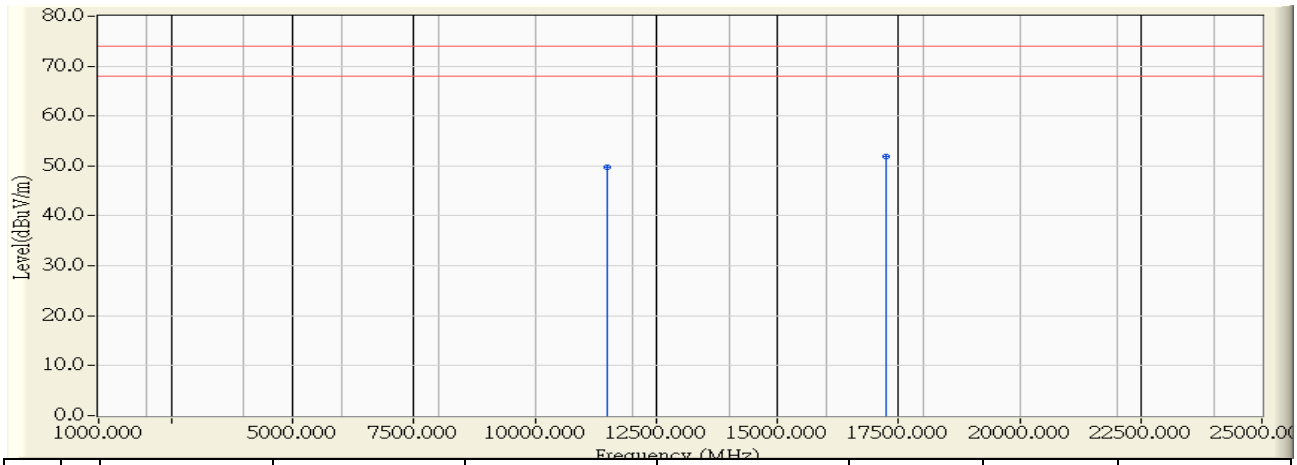


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11677.960	11.367	26.400	37.767	-16.233	54.000	AVERAGE
2	*	17482.200	16.836	23.070	39.906	-14.094	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/11/20 - 21:05**
Limit : FCC_SpartC_15.247_H_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 : 802.11n(40MHz)_5755MHz**

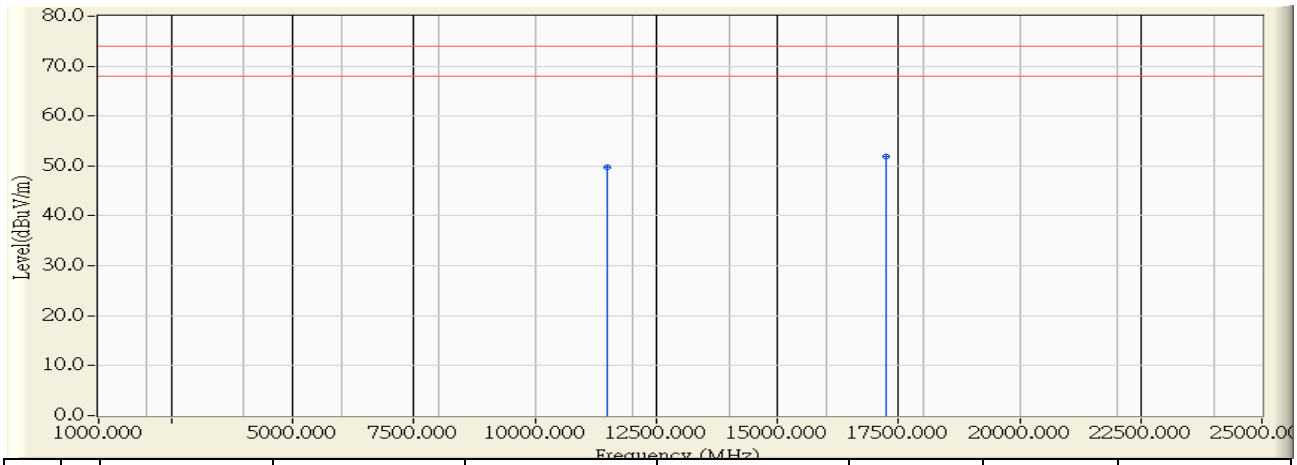


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11504.920	11.501	38.190	49.691	-24.309	74.000	PEAK
2	*	17238.240	15.593	36.350	51.943	-22.057	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/20 - 21:08**
Limit : FCC_SpartC_15.247_H_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 : 802.11n(40MHz)_5755MHz**

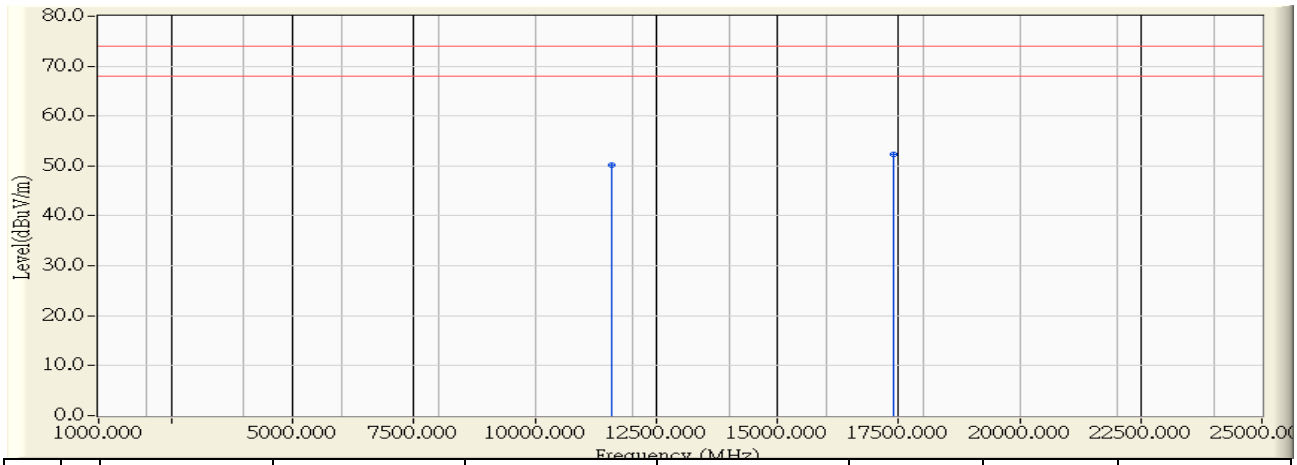


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11496.840	11.507	38.300	49.807	-24.193	74.000	PEAK
2	*	17250.720	15.651	36.160	51.811	-22.189	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/20 - 21:18**
Limit : FCC_SpartC_15.247_H_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 : 802.11n(40MHz)_5795MHz**

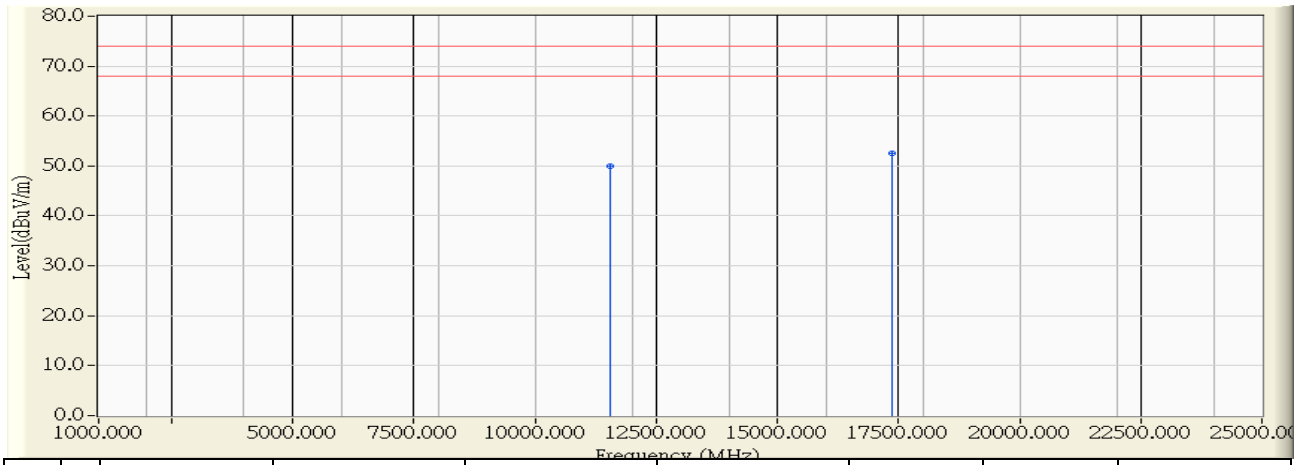


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11581.640	11.441	38.850	50.291	-23.709	74.000	PEAK
2	*	17404.640	16.358	36.030	52.389	-21.611	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/11/20 - 21:21**
Limit : FCC_SpartC_15.247_H_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 : 802.11n(40MHz)_5795MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11554.680	11.462	38.520	49.982	-24.018	74.000	PEAK
2	*	17382.040	16.254	36.330	52.585	-21.415	74.000	PEAK

Note:

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

5. RF antenna conducted test

5.1. Test Equipment

The following test equipments are used during the test:

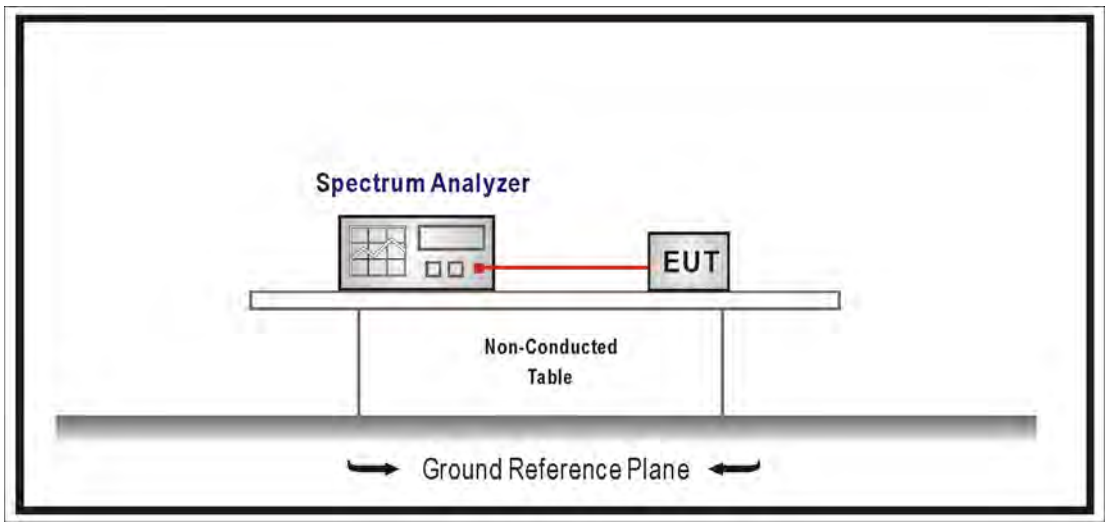
RF antenna conducted test / SR7

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

RF Antenna Conducted Measurement:



5.3. Limits

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on an RF conducted or radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

5.4. Test Procedure

The EUT was setup according to ANSI C63.10: 2009 and tested according to DTS test procedure section 11.2 of KDB558074 v03r02 for compliance to FCC 47CFR 15.247 requirements. Set RBW = 100 kHz, Set VBW> RBW, scan up through 10th harmonic.

5.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2013

5.6. Uncertainty

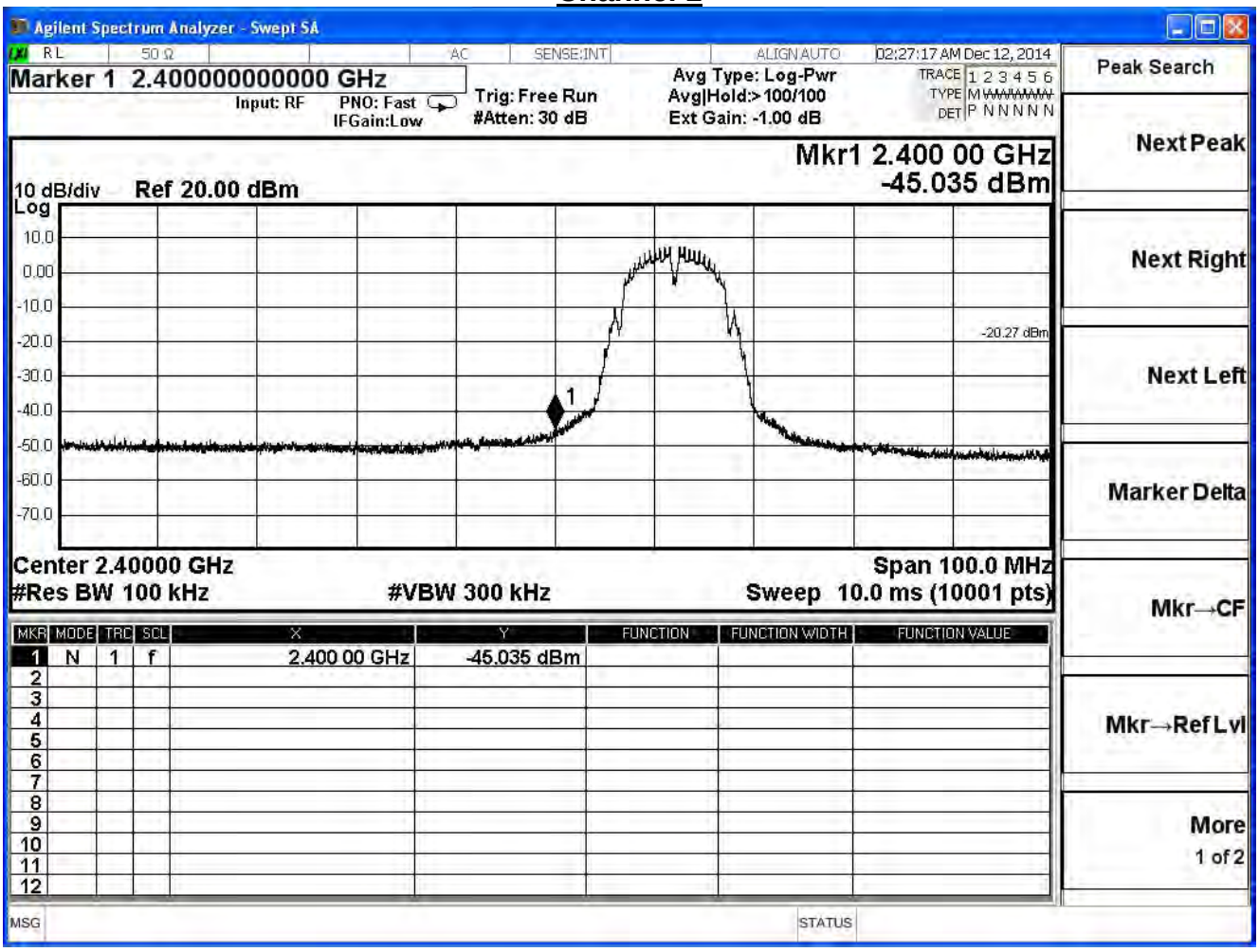
Conducted is defined as ± 1.27dB

5.7. Test Result

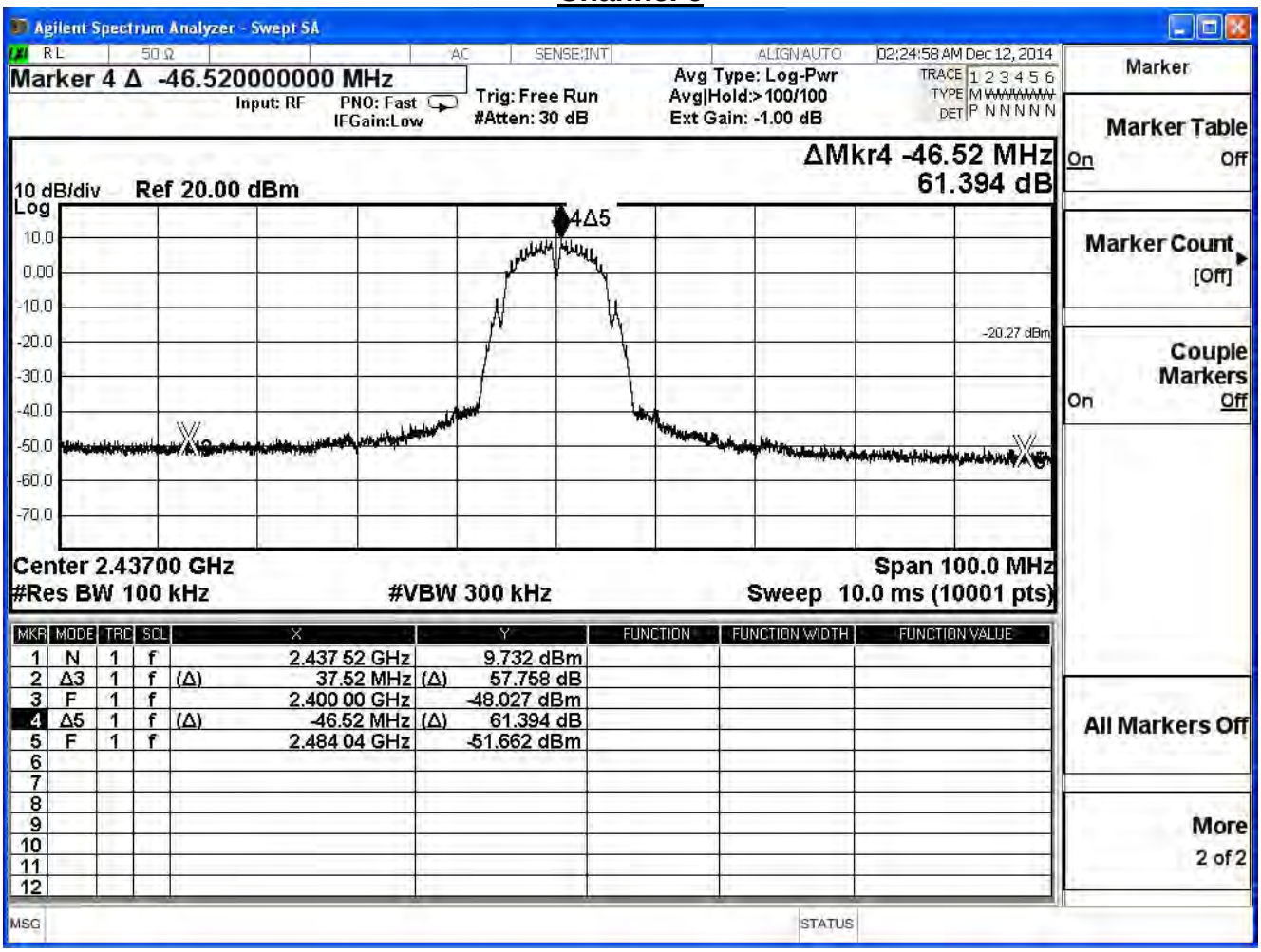
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

IEEE 802.11b (ANT 0), Antenna Gain: 2dBi				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	54.767	≧30	Pass
6	2437	57.758	≧30	Pass
11	2462	59.955	≧30	Pass

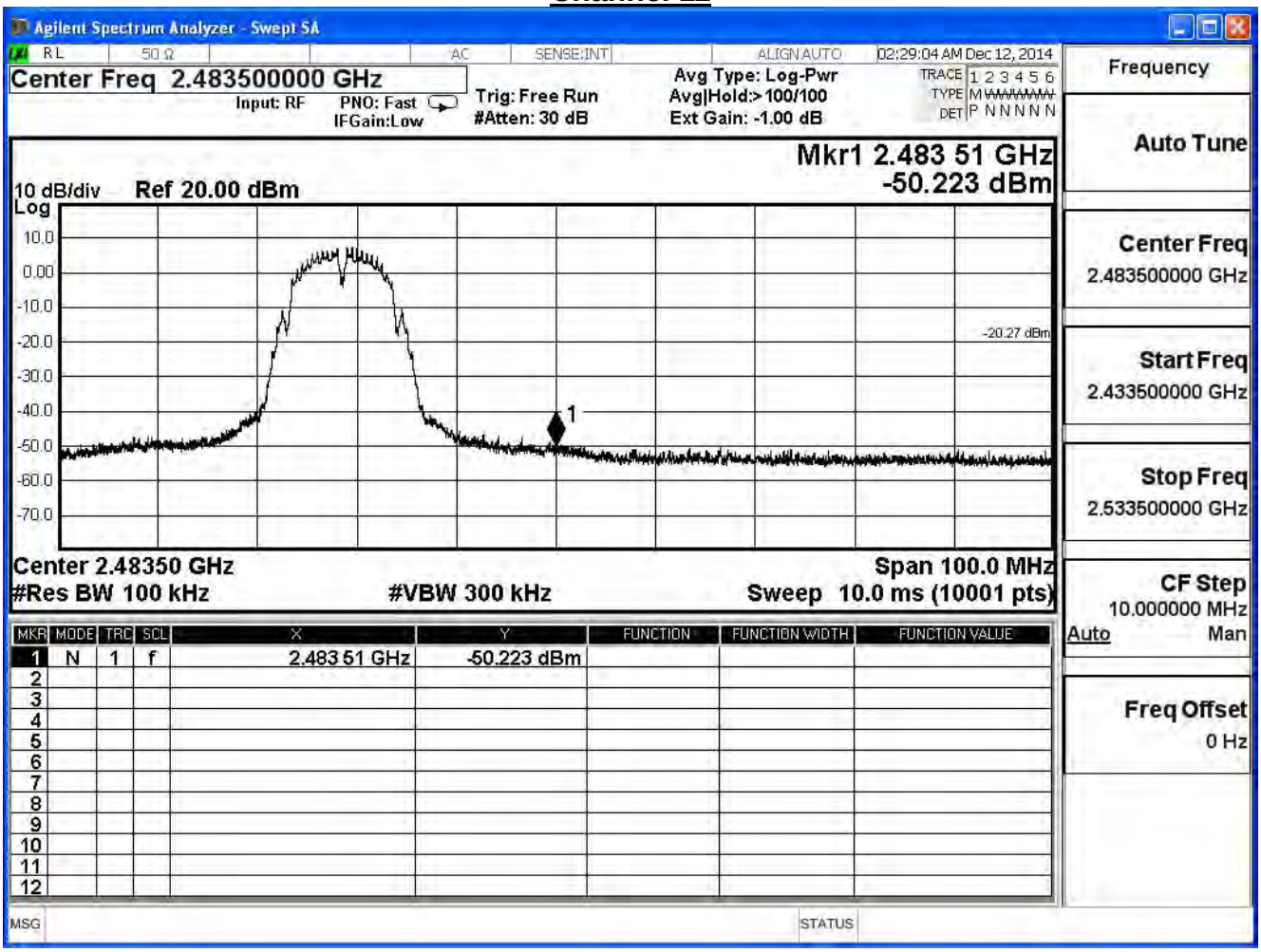
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
Marker 4 Δ -46.520000000 MHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.00 dB
02:24:58 AM Dec 12, 2014
ΔMkr4 -46.52 MHz
61.394 dB
10 dB/div Ref 20.00 dBm
Log
-20.27 dBm
Center 2.43700 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
Marker
Marker Table
On Off
Marker Count
[Off]
Couple Markers
On Off
All Markers Off
More
2 of 2
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.437 52 GHz 9.732 dBm
2 Δ3 1 f (Δ) 37.52 MHz (Δ) 57.758 dB
3 F 1 f 2.400 00 GHz -48.027 dBm
4 Δ5 1 f (Δ) -46.52 MHz (Δ) 61.394 dB
5 F 1 f 2.484 04 GHz -51.662 dBm
MSG
STATUS

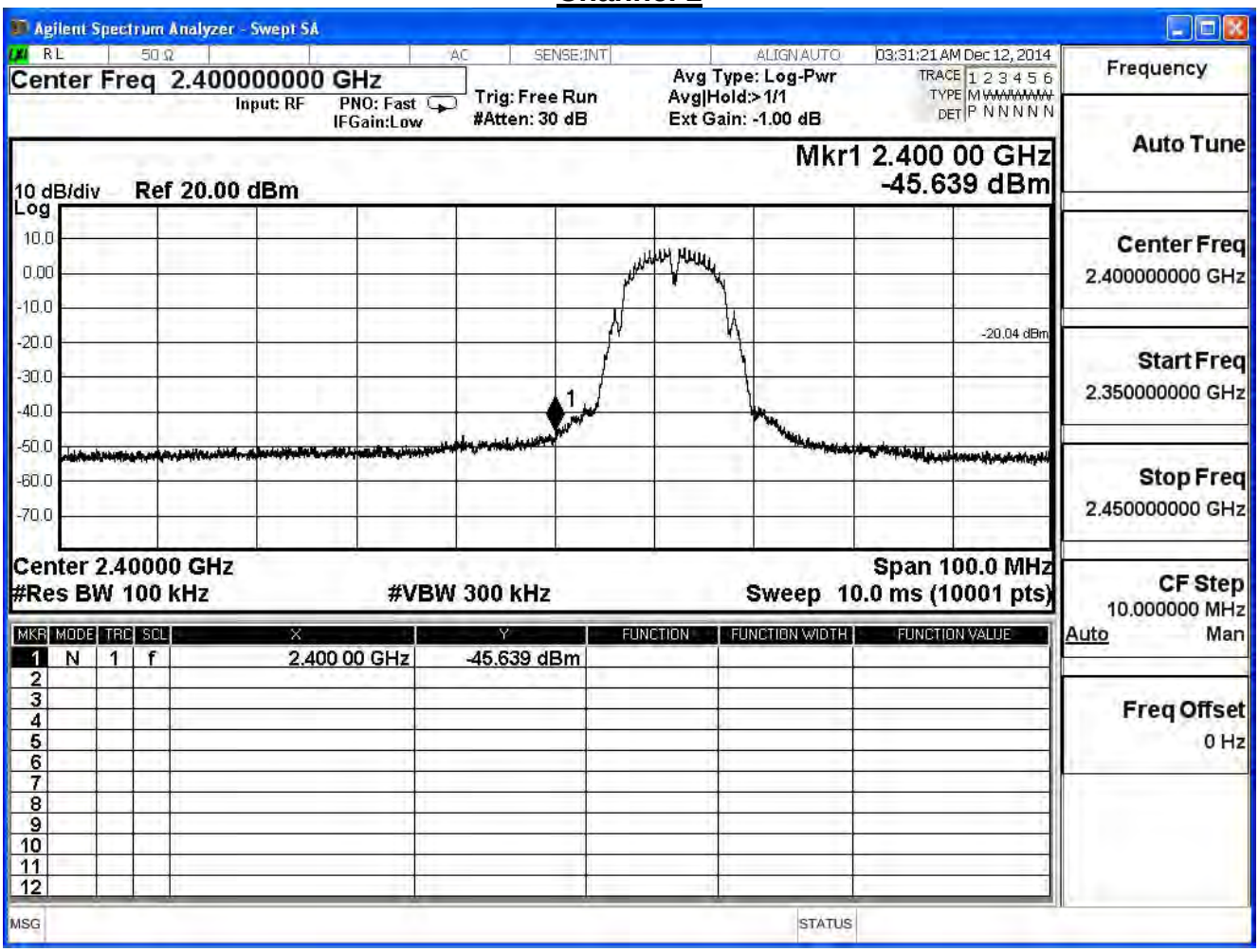
Channel 11


Agilent Spectrum Analyzer - Swept SA
RL 50 Ω AC SENSE:INT ALIGN AUTO 02:29:04 AM Dec 12, 2014
Center Freq 2.483500000 GHz
Input: RF PNO: Fast IFGain:Low
Trig: Free Run #Atten: 30 dB
Avg Type: Log-Pwr Avg|Hold:>100/100 Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6 TYPE M DET P N N N N N
Mkr1 2.483 51 GHz -50.223 dBm
10 dB/div Ref 20.00 dBm
Log
10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0
-20.27 dBm
Center 2.48350 GHz
#Res BW 100 kHz #VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.483 51 GHz -50.223 dBm
Frequency
Auto Tune
Center Freq 2.483500000 GHz
Start Freq 2.433500000 GHz
Stop Freq 2.533500000 GHz
CF Step 10.000000 MHz
Auto Man
Freq Offset 0 Hz
MSG STATUS

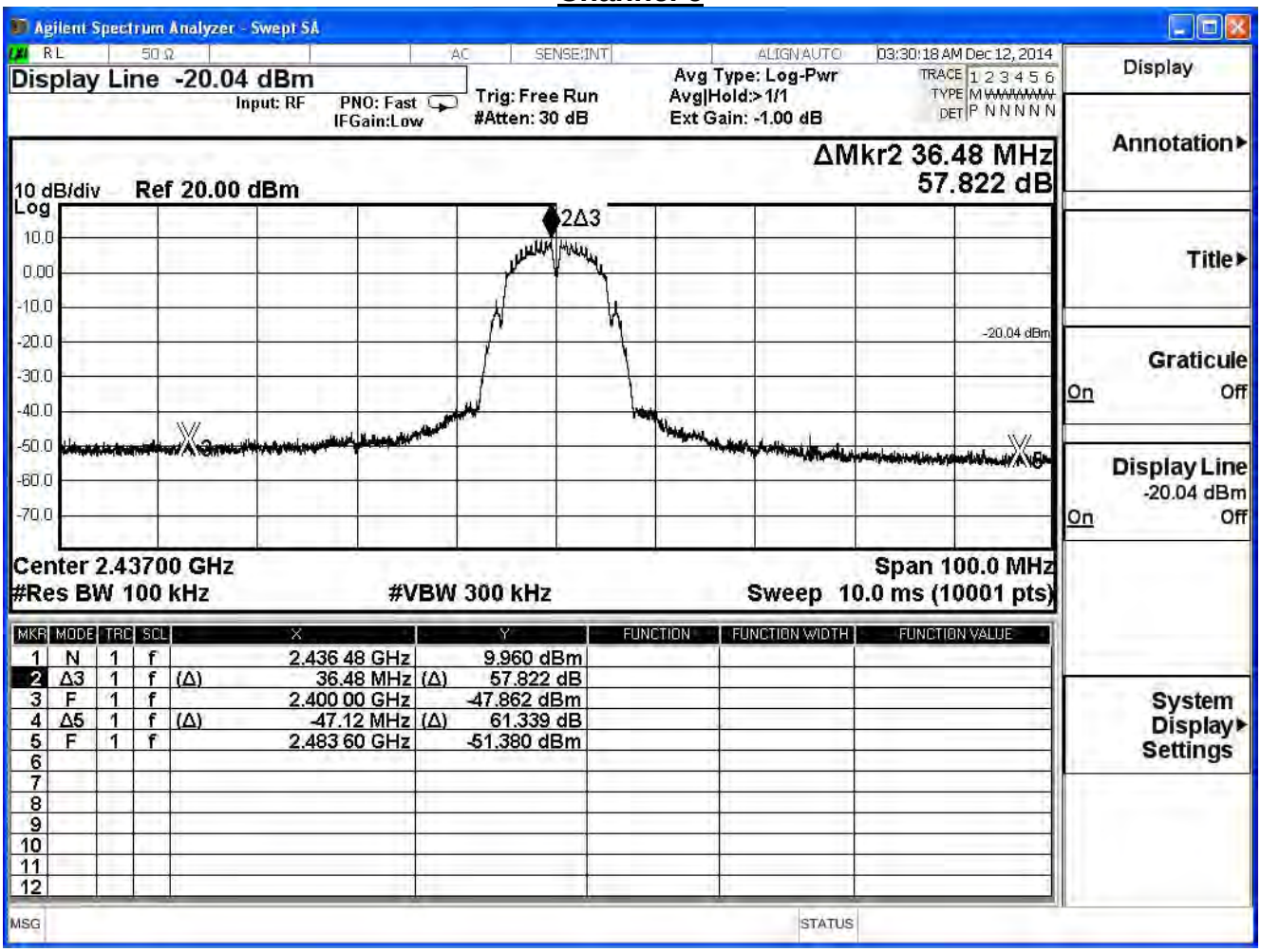
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

IEEE 802.11b (ANT 1), Antenna Gain: 2dBi				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	55.599	≧30	Pass
6	2437	57.822	≧30	Pass
11	2462	59.577	≧30	Pass

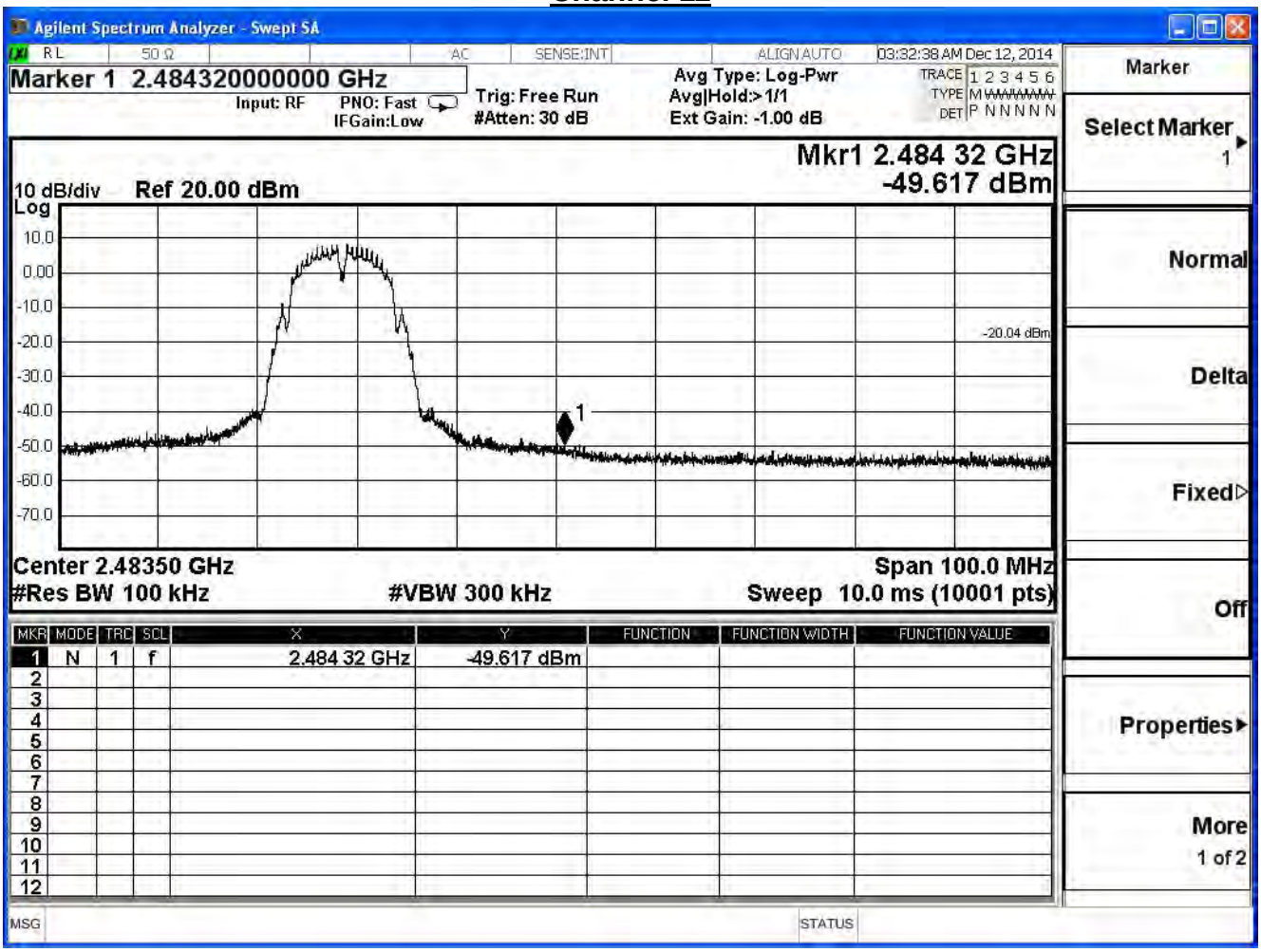
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
RL 50 Ω AC SENSE:INT ALIGN AUTO 03:30:18 AM Dec 12, 2014
Display Line -20.04 dBm
Input: RF PNO: Fast IFGain:Low
Trig: Free Run #Atten: 30 dB
Avg Type: Log-Pwr Avg|Hold:>1/1 Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6 TYPE M DET P N N N N N
ΔMkr2 36.48 MHz 57.822 dB
10 dB/div Ref 20.00 dBm
Log
10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0
2Δ3
-20.04 dBm
Center 2.43700 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.436 48 GHz 9.960 dBm
2 Δ3 1 f (Δ) 36.48 MHz (Δ) 57.822 dB
3 F 1 f 2.400 00 GHz -47.862 dBm
4 Δ5 1 f (Δ) -47.12 MHz (Δ) 61.339 dB
5 F 1 f 2.483 60 GHz -51.380 dBm
6
7
8
9
10
11
12
Display
Annotation
Title
Graticule On Off
Display Line -20.04 dBm On Off
System Display Settings
MSG
STATUS

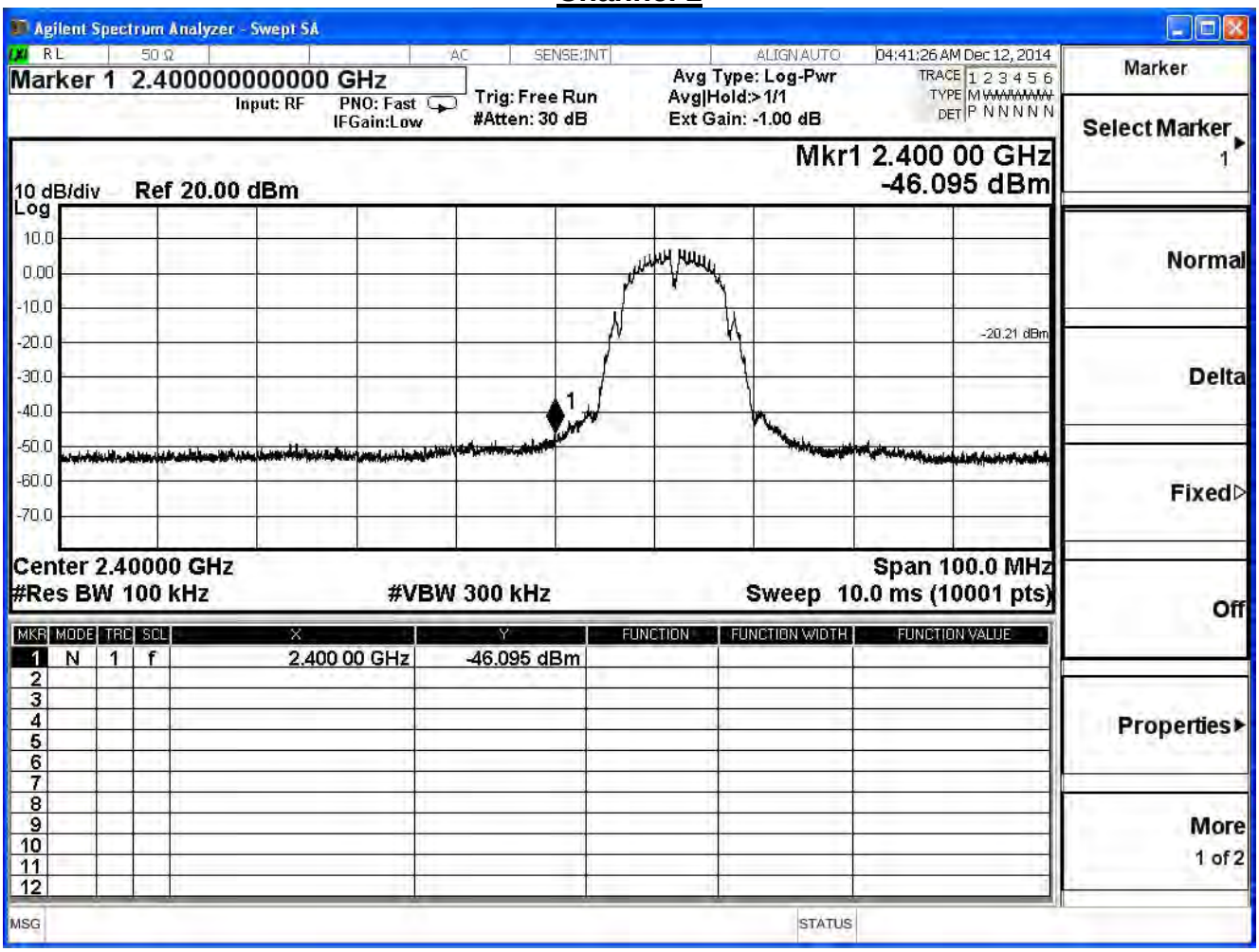
Channel 11


Agilent Spectrum Analyzer - Swept SA
Marker 1 2.484320000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>1/1
Ext Gain: -1.00 dB
03:32:38 AM Dec 12, 2014
Mkr1 2.484 32 GHz
-49.617 dBm
10 dB/div
Ref 20.00 dBm
Log
-20.04 dBm
Center 2.48350 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
1 N 1 f 2.484 32 GHz -49.617 dBm
Marker
Select Marker
Normal
Delta
Fixed
Off
Properties
More
1 of 2

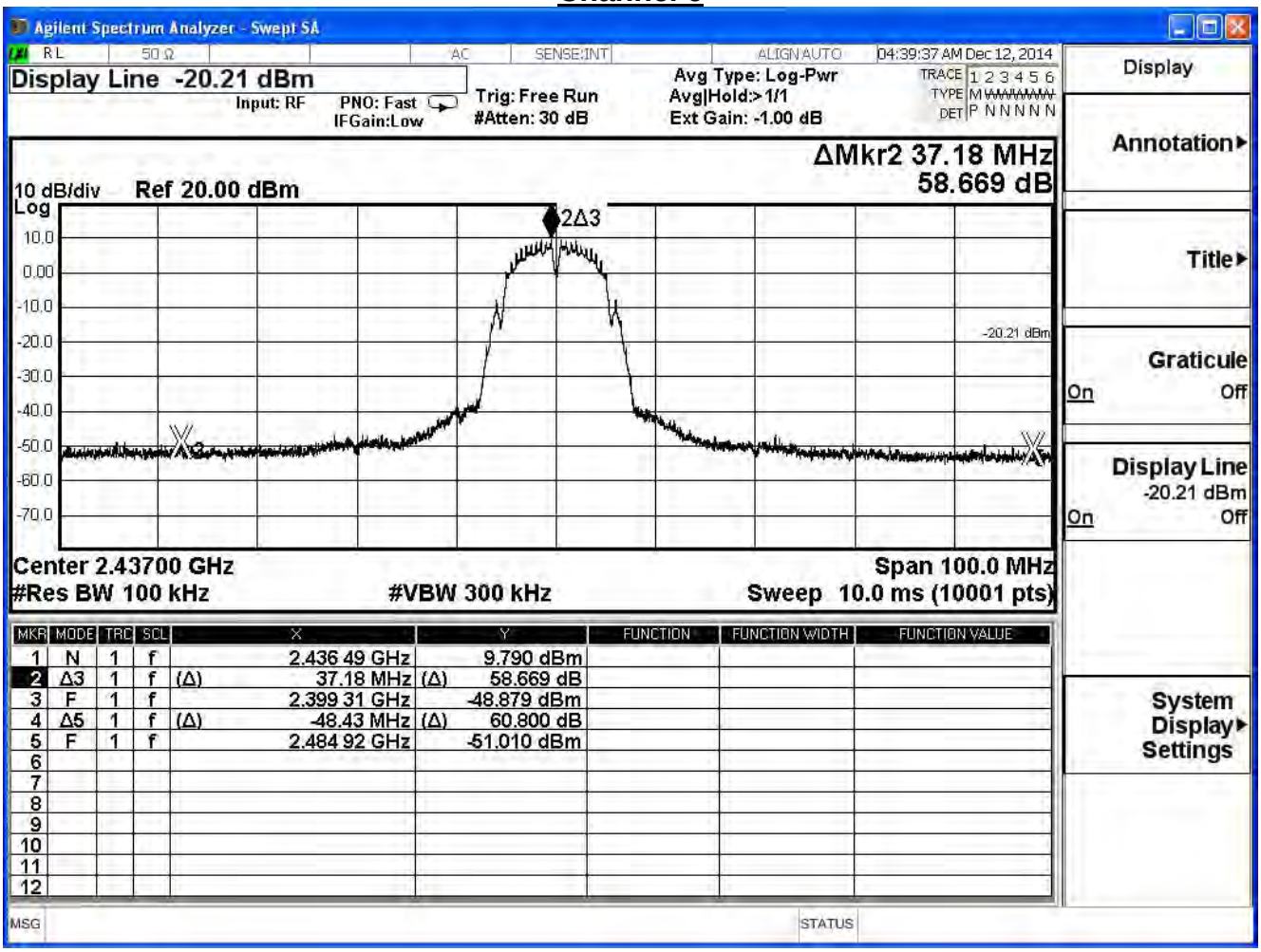
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

IEEE 802.11b (ANT 2), Antenna Gain: 2dBi				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	55.885	≧30	Pass
6	2437	58.669	≧30	Pass
11	2462	60.695	≧30	Pass

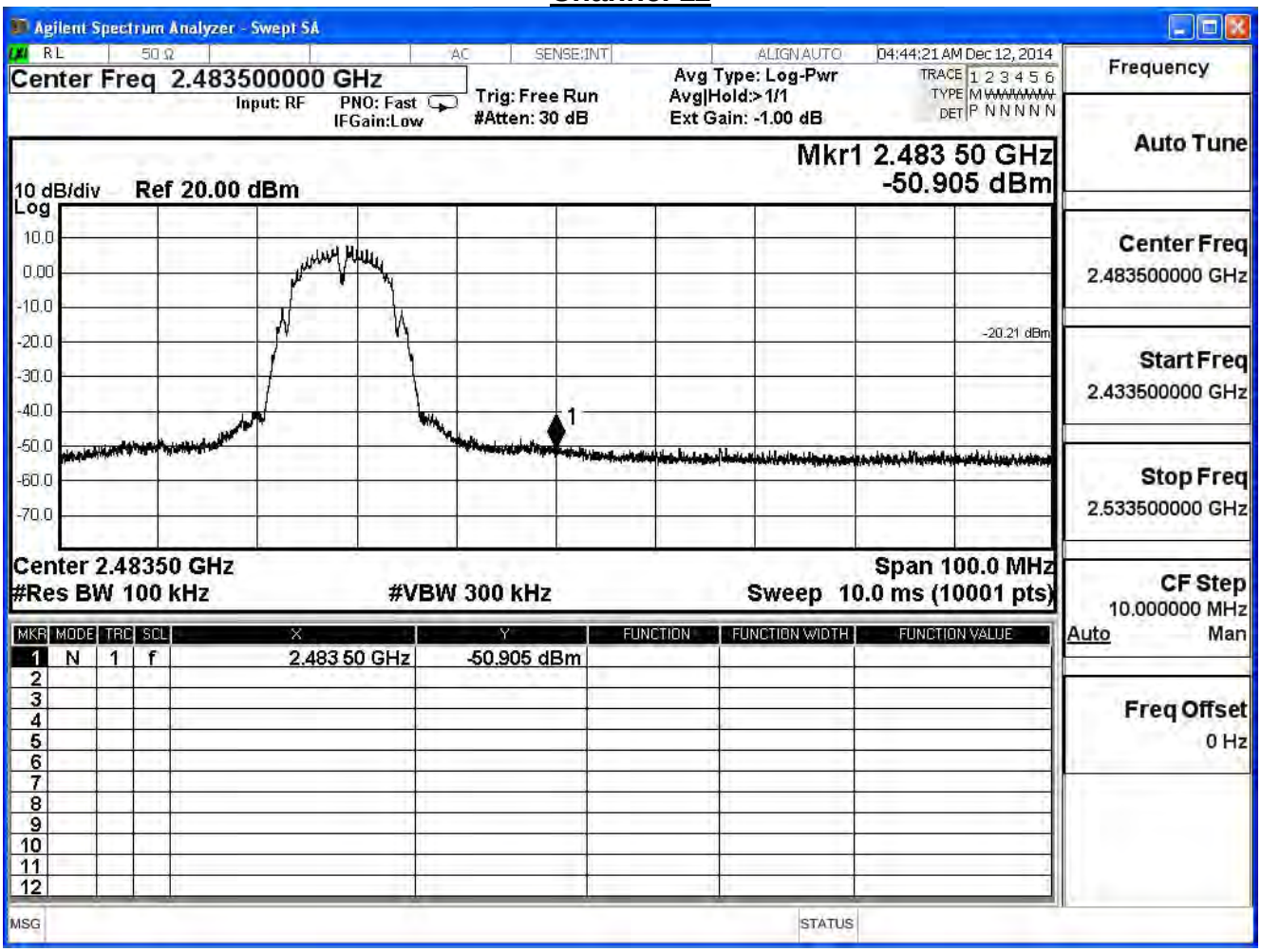
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
RL 50 Ω AC SENSE:INT ALIGN AUTO 04:39:37 AM Dec 12, 2014
Display Line -20.21 dBm
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>1/1
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
ΔMkr2 37.18 MHz
58.669 dB
10 dB/div Ref 20.00 dBm
Log
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
2Δ3
-20.21 dBm
Center 2.43700 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.436 49 GHz 9.790 dBm
2 Δ3 1 f (Δ) 37.18 MHz (Δ) 58.669 dB
3 F 1 f 2.399 31 GHz -48.879 dBm
4 Δ5 1 f (Δ) -48.43 MHz (Δ) 60.800 dB
5 F 1 f 2.484 92 GHz -51.010 dBm
6
7
8
9
10
11
12
Display
Annotation
Title
Graticule
On Off
Display Line
-20.21 dBm
On Off
System Display Settings
MSG
STATUS

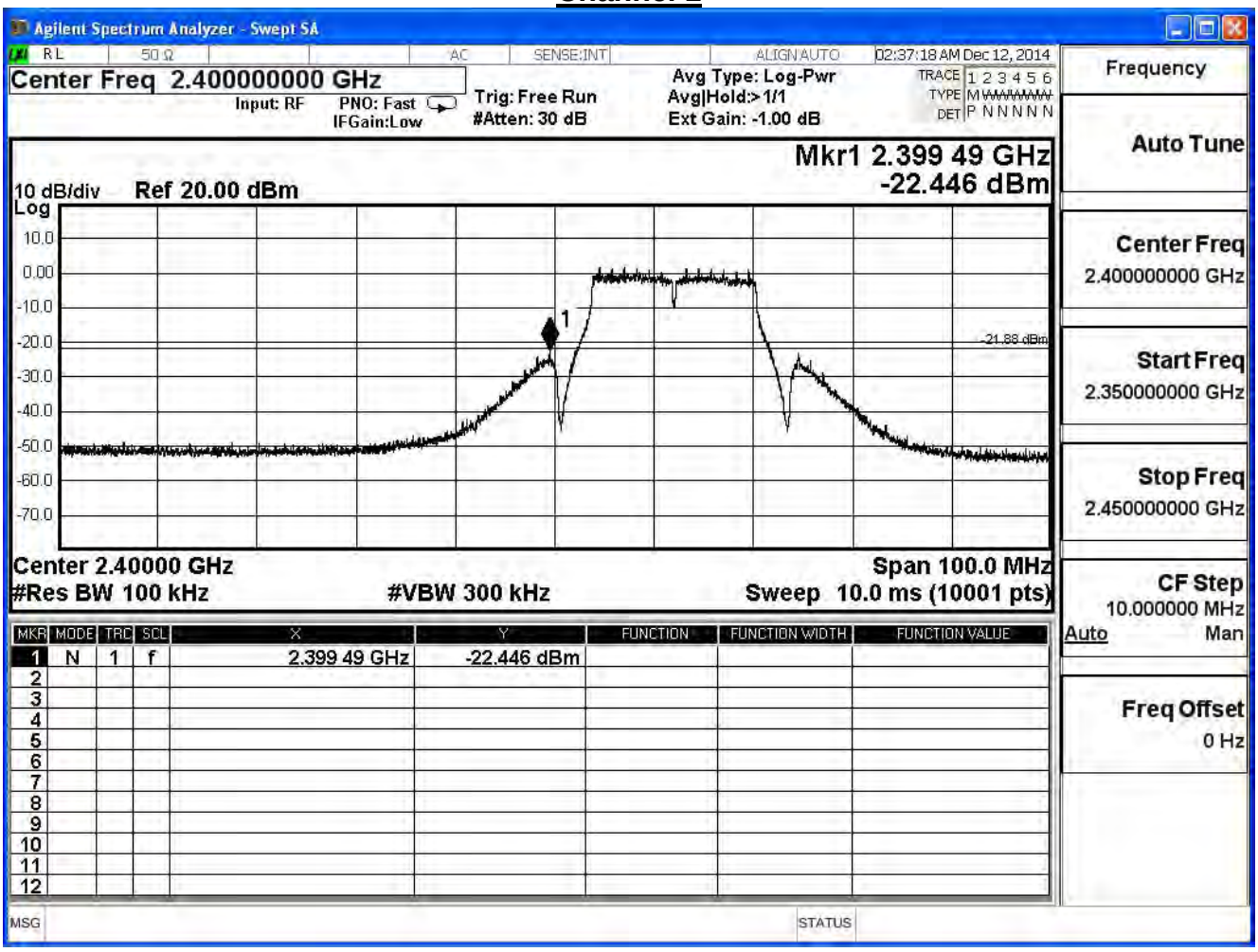
Channel 11


Agilent Spectrum Analyzer - Swept SA
RL 50 Ω AC SENSE:INT ALIGN AUTO 04:44:21 AM Dec 12, 2014
Center Freq 2.483500000 GHz
Input: RF PNO: Fast IFGain:Low
Trig: Free Run #Atten: 30 dB
Avg Type: Log-Pwr Avg|Hold:>1/1 Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6 TYPE M DET P N N N N N
Mkr1 2.483 50 GHz -50.905 dBm
10 dB/div Ref 20.00 dBm
Log
10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0
-20.21 dBm
Center 2.48350 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.483 50 GHz -50.905 dBm
Frequency
Auto Tune
Center Freq 2.483500000 GHz
Start Freq 2.433500000 GHz
Stop Freq 2.533500000 GHz
CF Step 10.000000 MHz
Auto Man
Freq Offset 0 Hz
MSG
STATUS

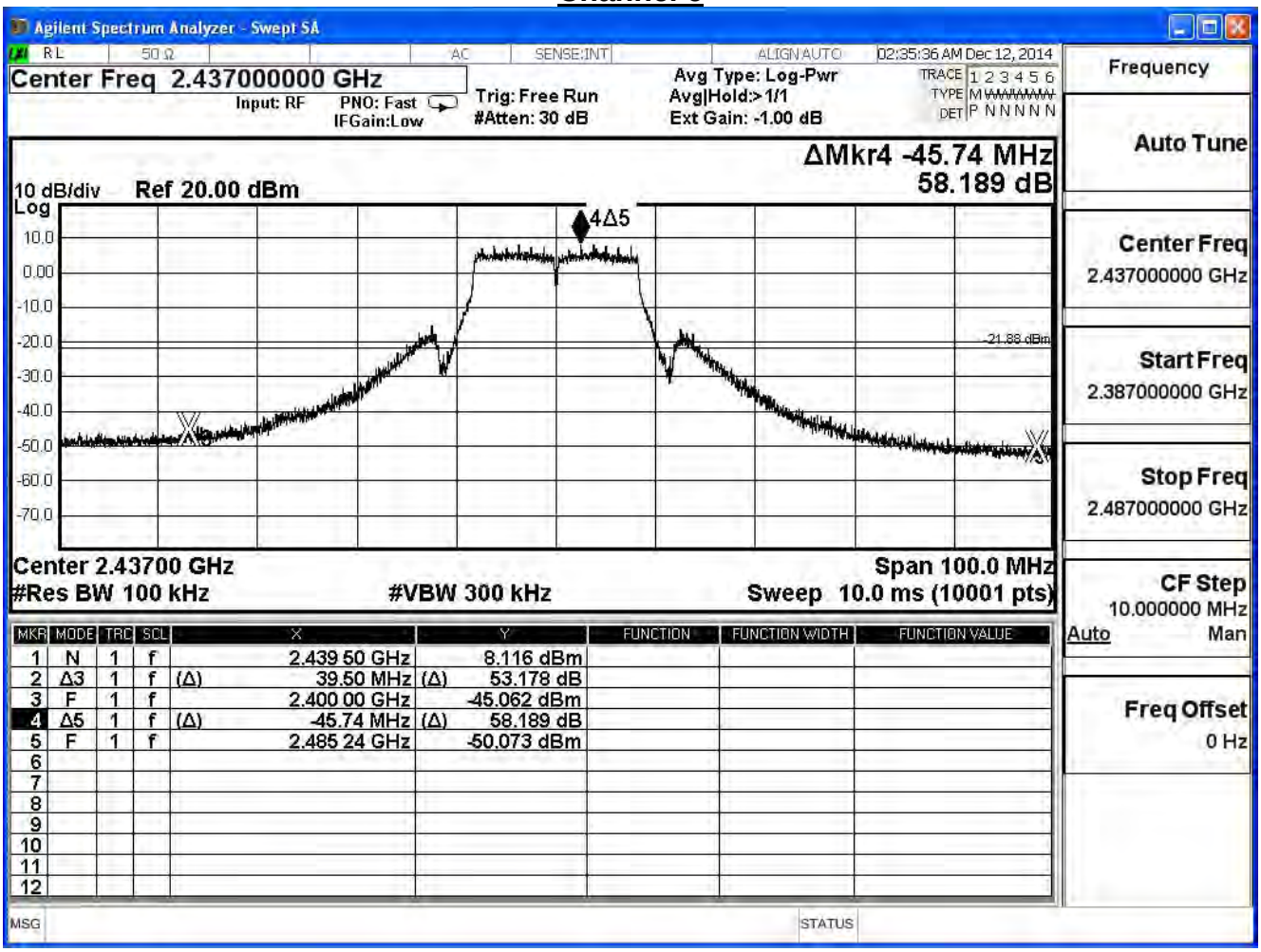
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

IEEE 802.11g (ANT 0), Antenna Gain: 2dBi				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	30.562	≧30	Pass
6	2437	53.178	≧30	Pass
11	2462	57.224	≧30	Pass

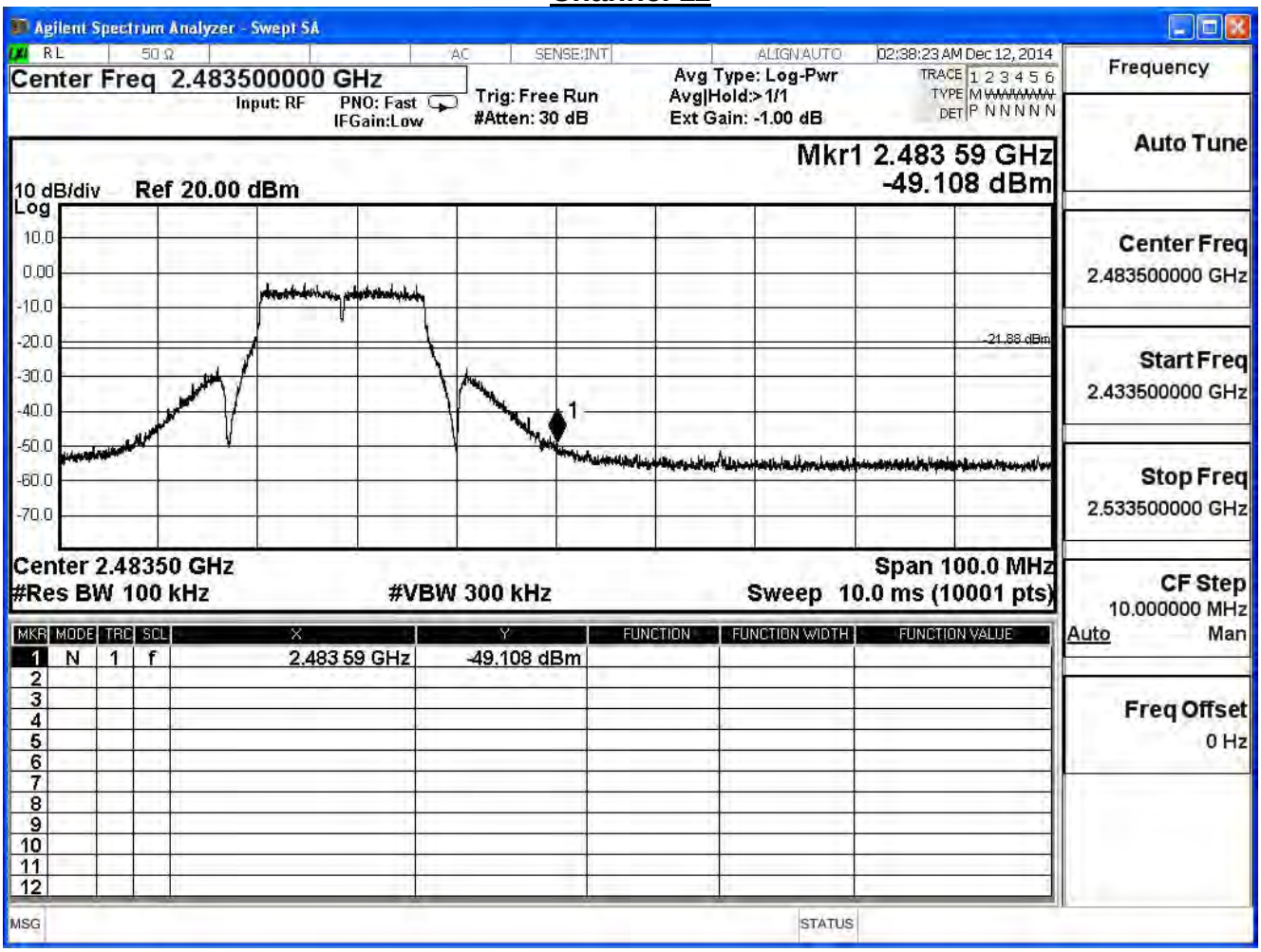
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
Center Freq 2.437000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>1/1
Ext Gain: -1.00 dB
02:35:36 AM Dec 12, 2014
ΔMkr4 -45.74 MHz
58.189 dB
10 dB/div Ref 20.00 dBm
Log
4Δ5
-21.88 dBm
Center 2.43700 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.387000000 GHz
Stop Freq
2.487000000 GHz
CF Step
10.000000 MHz
Auto Man
Freq Offset
0 Hz
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.439 50 GHz 8.116 dBm
2 Δ3 1 f (Δ) 39.50 MHz (Δ) 53.178 dB
3 F 1 f 2.400 00 GHz -45.062 dBm
4 Δ5 1 f (Δ) -45.74 MHz (Δ) 58.189 dB
5 F 1 f 2.485 24 GHz -50.073 dBm
MSG
STATUS

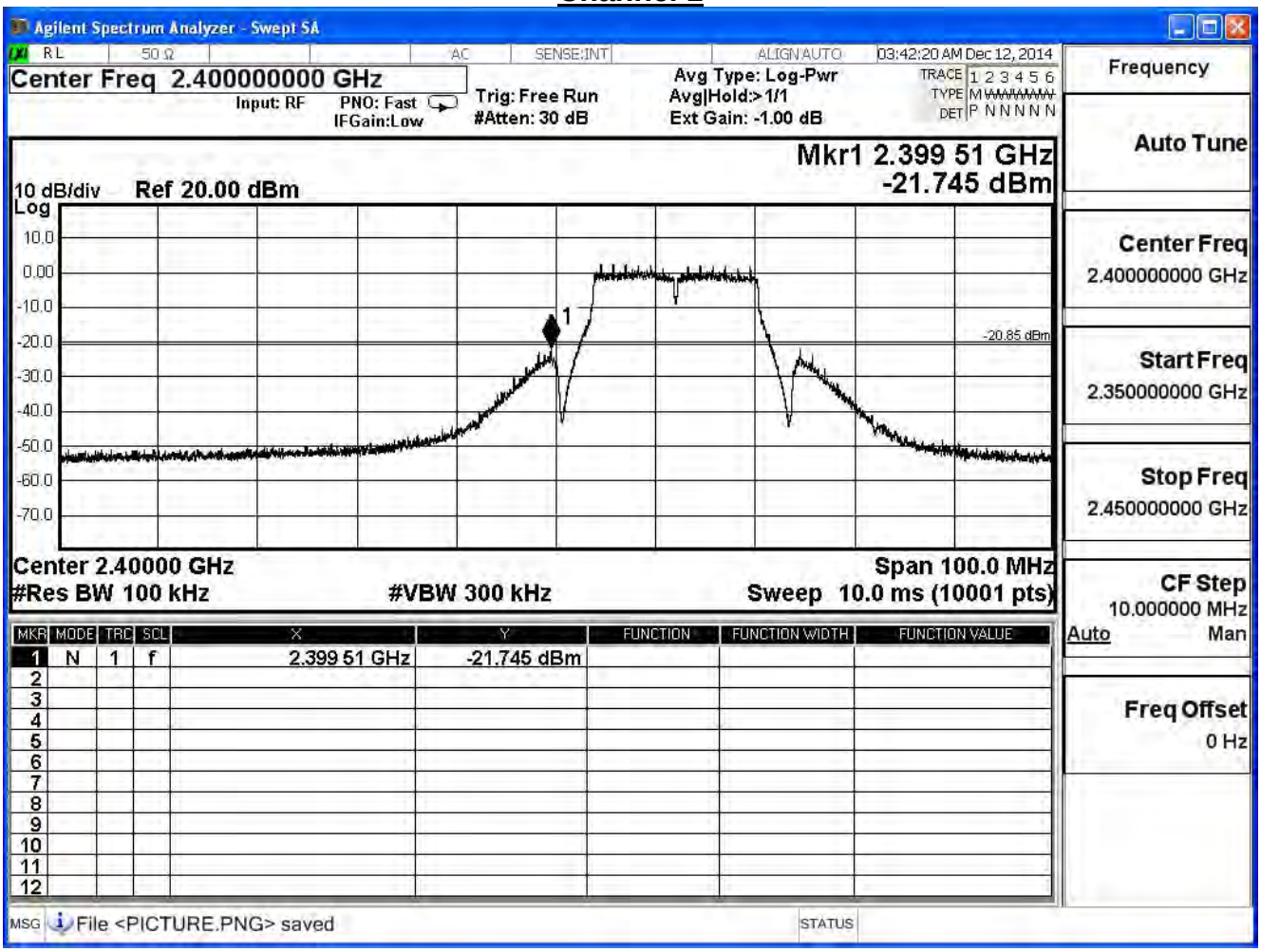
Channel 11


Agilent Spectrum Analyzer - Swept SA
RL 50 Ω AC SENSE:INT ALIGN AUTO 02:38:23 AM Dec 12, 2014
Center Freq 2.483500000 GHz
Input: RF PNO: Fast IFGain:Low
Trig: Free Run #Atten: 30 dB
Avg Type: Log-Pwr Avg|Hold:>1/1 Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6 TYPE M DET P N N N N N
Mkr1 2.483 59 GHz -49.108 dBm
10 dB/div Ref 20.00 dBm
Log
10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0
-21.88 dBm
Center 2.48350 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.483 59 GHz -49.108 dBm
Frequency
Auto Tune
Center Freq 2.483500000 GHz
Start Freq 2.433500000 GHz
Stop Freq 2.533500000 GHz
CF Step 10.000000 MHz
Auto Man
Freq Offset 0 Hz
MSG
STATUS

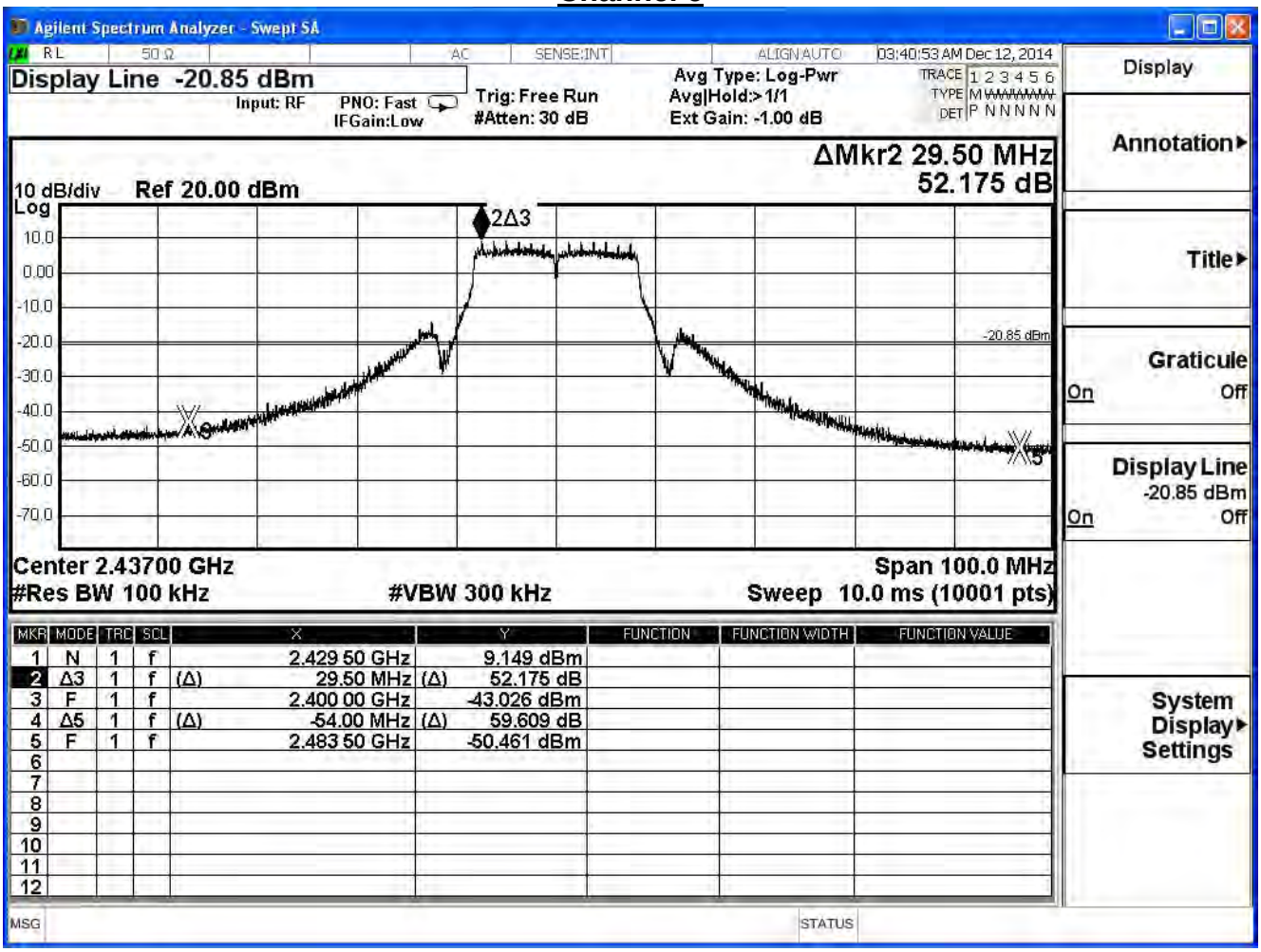
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

IEEE 802.11g (ANT 1), Antenna Gain: 2dBi				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	30.894	≧30	Pass
6	2437	52.175	≧30	Pass
11	2462	54.994	≧30	Pass

Channel 1

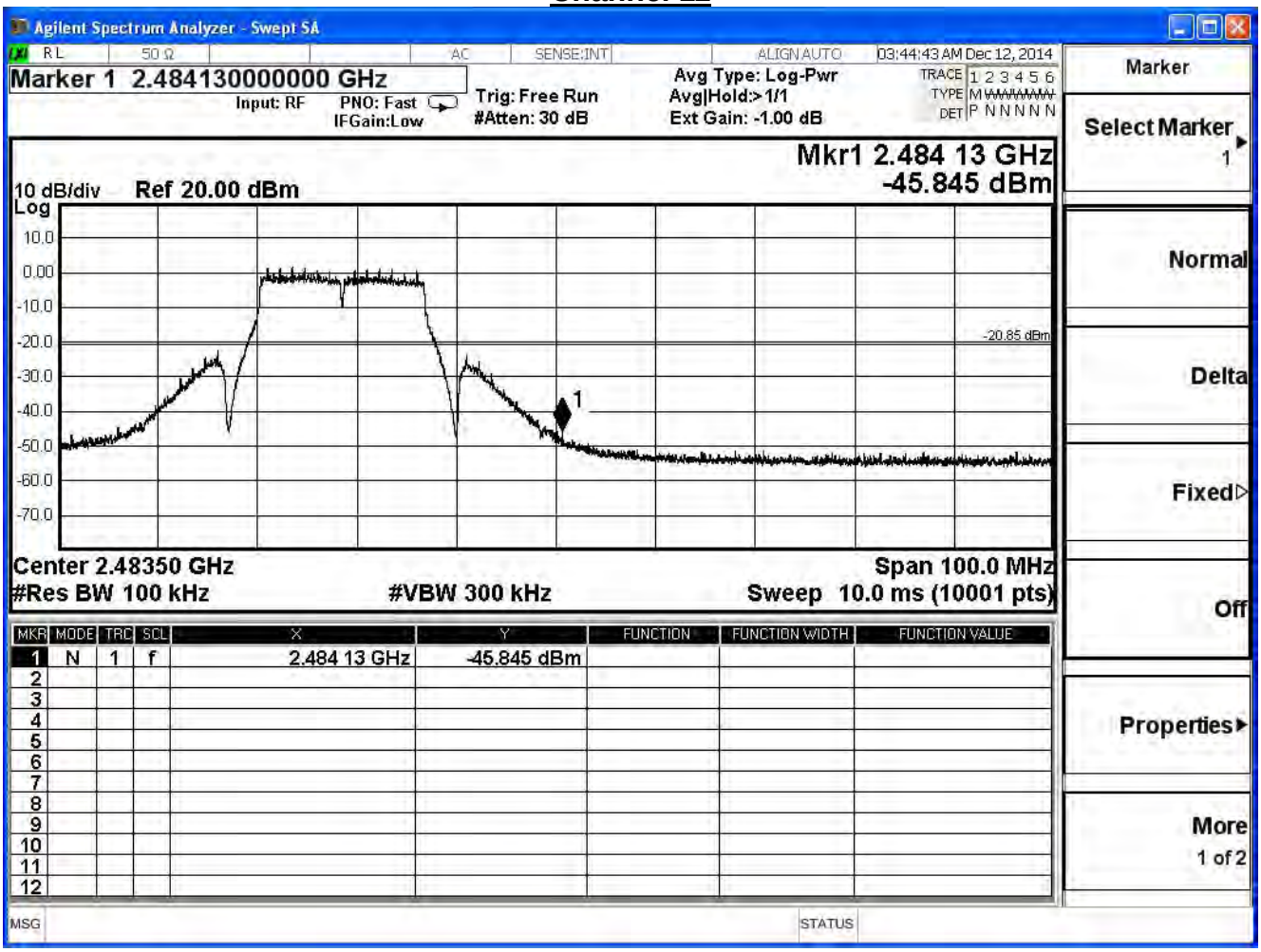


Channel 6



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.429 50 GHz	9.149 dBm			
2	Δ3	1	f	(Δ) 29.50 MHz	(Δ) 52.175 dB			
3	F	1	f	2.400 00 GHz	-43.026 dBm			
4	Δ5	1	f	(Δ) -54.00 MHz	(Δ) 59.609 dB			
5	F	1	f	2.483 50 GHz	-50.461 dBm			
6								
7								
8								
9								
10								
11								
12								

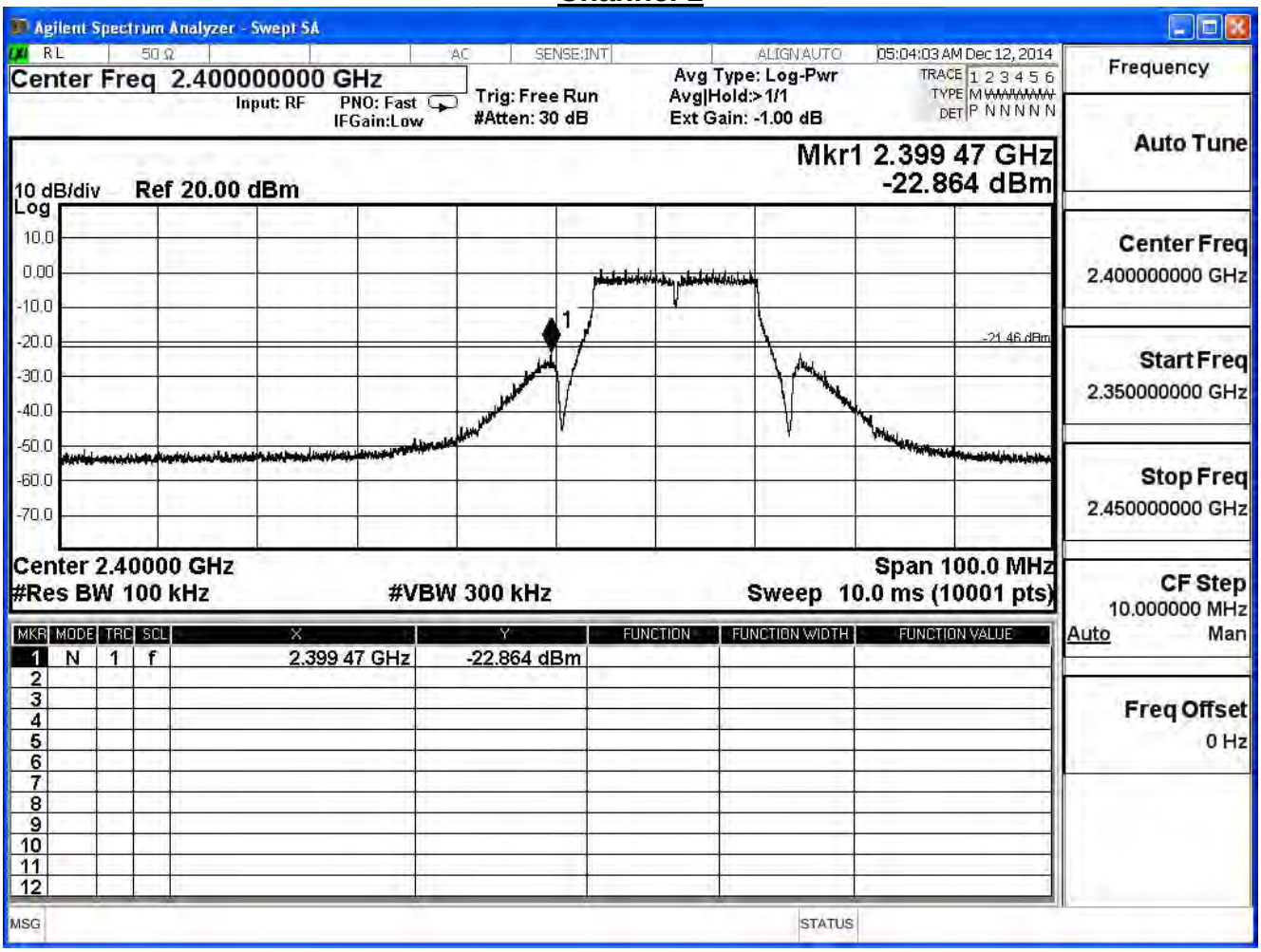
Channel 11


Agilent Spectrum Analyzer - Swept SA
Marker 1 2.484130000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>1/1
Ext Gain: -1.00 dB
03:44:43 AM Dec 12, 2014
Mkr1 2.484 13 GHz
-45.845 dBm
10 dB/div
Ref 20.00 dBm
Log
-20.85 dBm
Center 2.48350 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
1 N 1 f 2.484 13 GHz -45.845 dBm
Marker
Select Marker
Normal
Delta
Fixed
Off
Properties
More
1 of 2

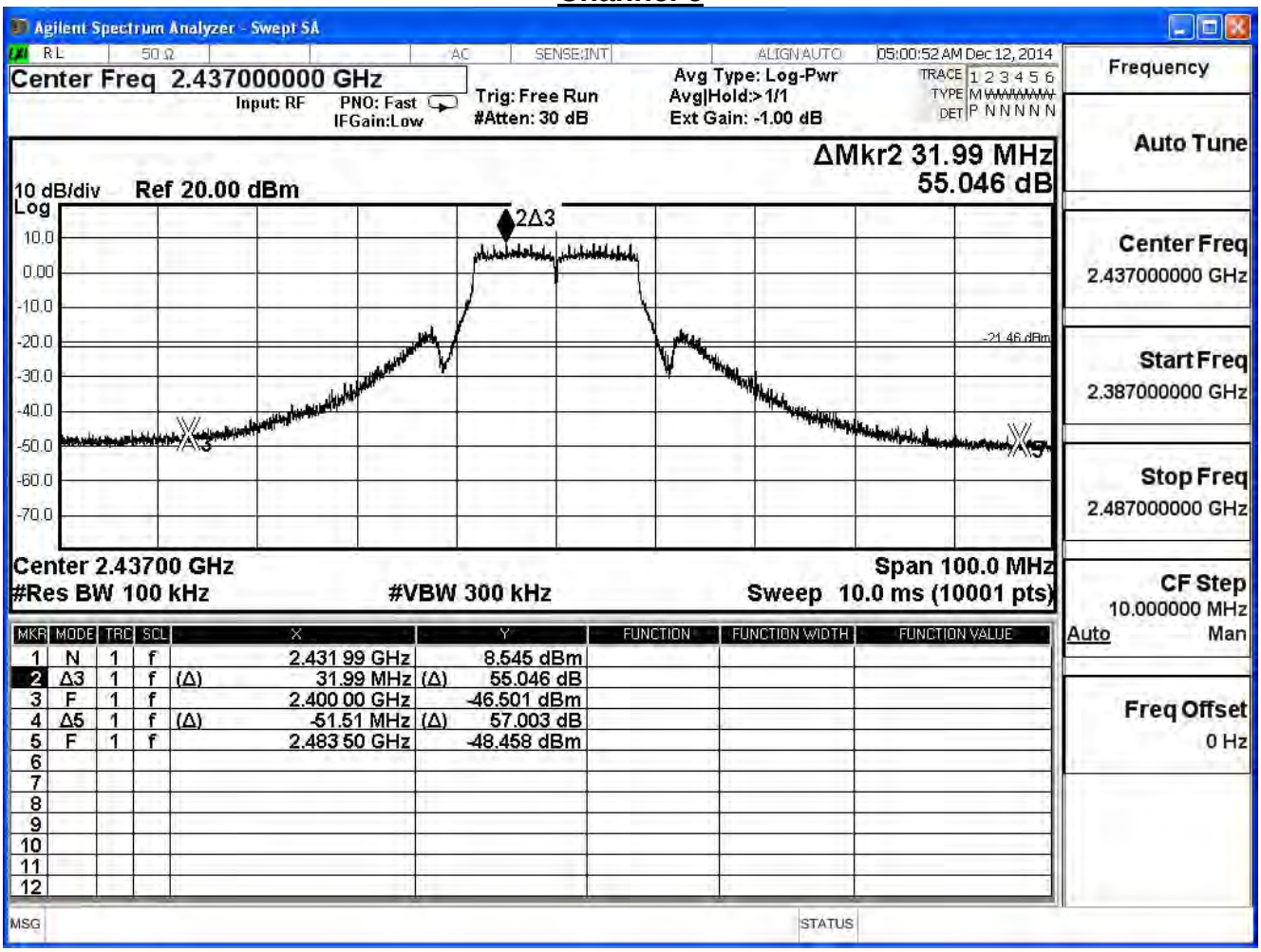
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

IEEE 802.11g (ANT 2), Antenna Gain: 2dBi				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	31.581	≧30	Pass
6	2437	55.046	≧30	Pass
11	2462	56.902	≧30	Pass

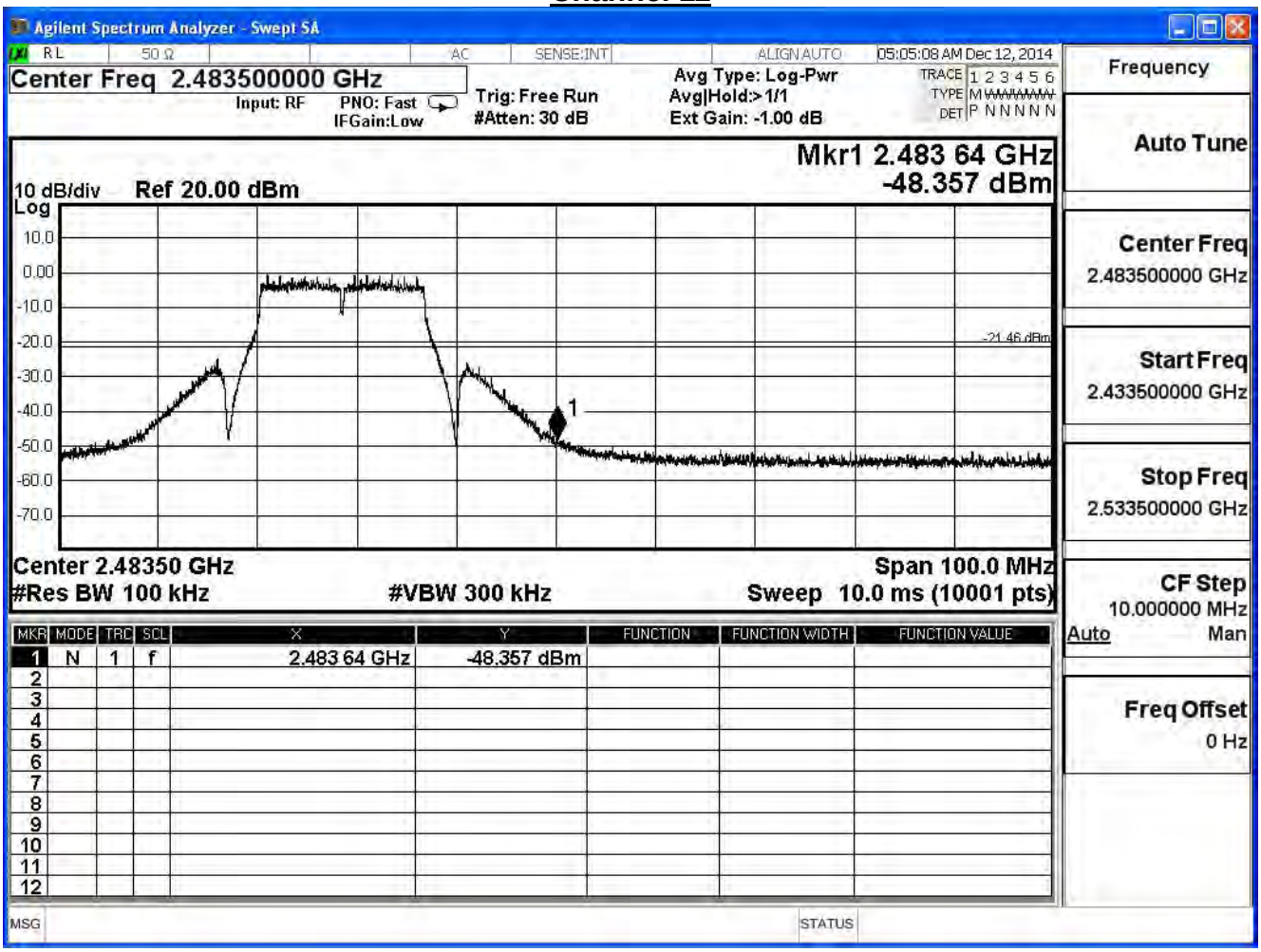
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
Center Freq 2.437000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>1/1
Ext Gain: -1.00 dB
05:00:52 AM Dec 12, 2014
ΔMkr2 31.99 MHz
55.046 dB
10 dB/div Ref 20.00 dBm
Log
Center 2.43700 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.387000000 GHz
Stop Freq
2.487000000 GHz
CF Step
10.000000 MHz
Auto Man
Freq Offset
0 Hz
1 N 1 f 2.431 99 GHz 8.545 dBm
2 Δ3 1 f (Δ) 31.99 MHz (Δ) 55.046 dB
3 F 1 f 2.400 00 GHz -46.501 dBm
4 Δ5 1 f (Δ) -51.51 MHz (Δ) 57.003 dB
5 F 1 f 2.483 50 GHz -48.458 dBm

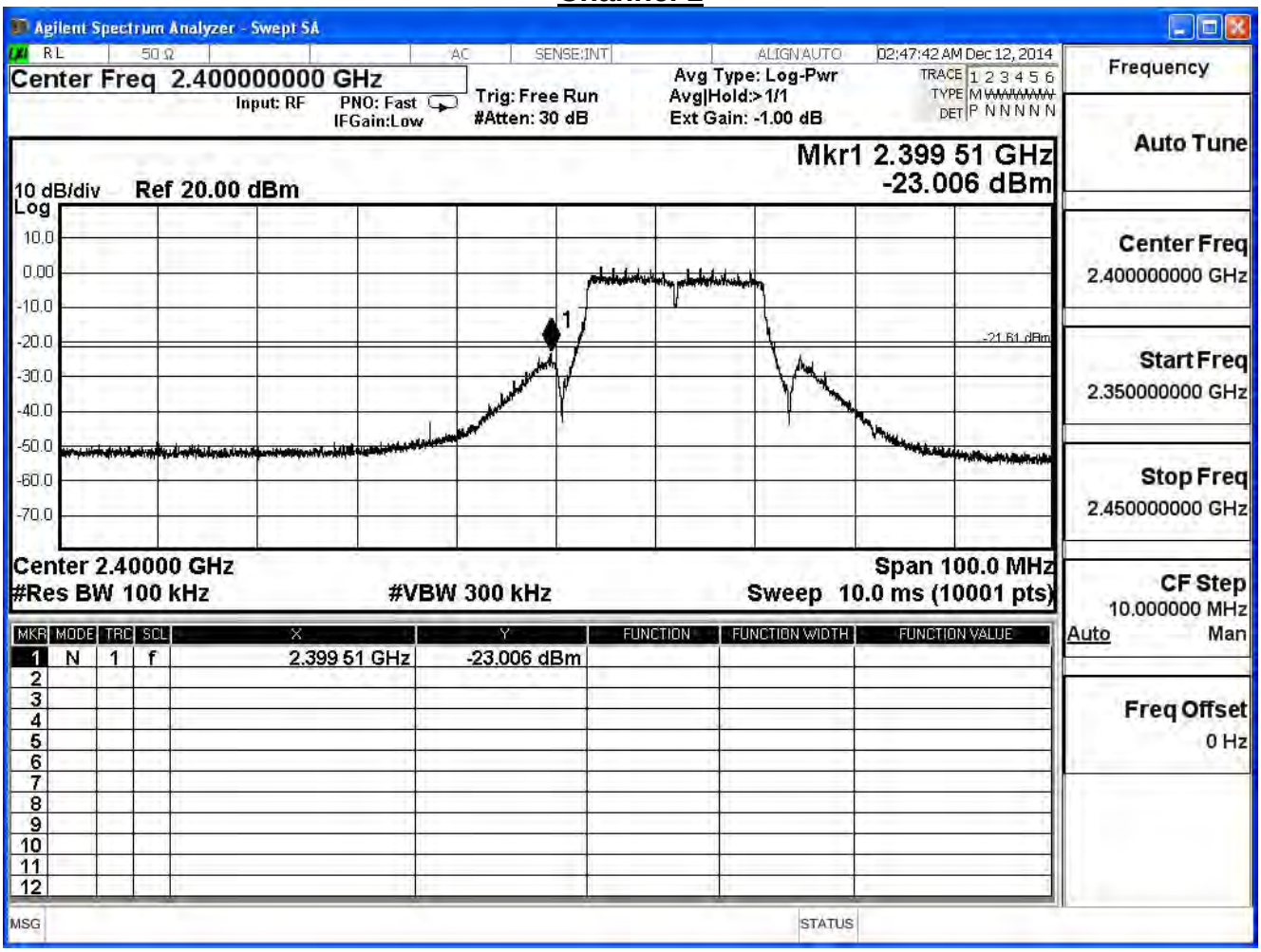
Channel 11


Agilent Spectrum Analyzer - Swept SA
RL 50 Ω AC SENSE:INT ALIGN AUTO 05:05:08 AM Dec 12, 2014
Center Freq 2.483500000 GHz
Input: RF PNO: Fast IFGain:Low
Trig: Free Run #Atten: 30 dB
Avg Type: Log-Pwr Avg|Hold:>1/1 Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6 TYPE M DET P N N N N N
Mkr1 2.483 64 GHz -48.357 dBm
10 dB/div Ref 20.00 dBm
Log
10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0
-21.46 dBm
Center 2.48350 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.483 64 GHz -48.357 dBm
Frequency
Auto Tune
Center Freq 2.483500000 GHz
Start Freq 2.433500000 GHz
Stop Freq 2.533500000 GHz
CF Step 10.000000 MHz
Auto Man
Freq Offset 0 Hz
MSG
STATUS

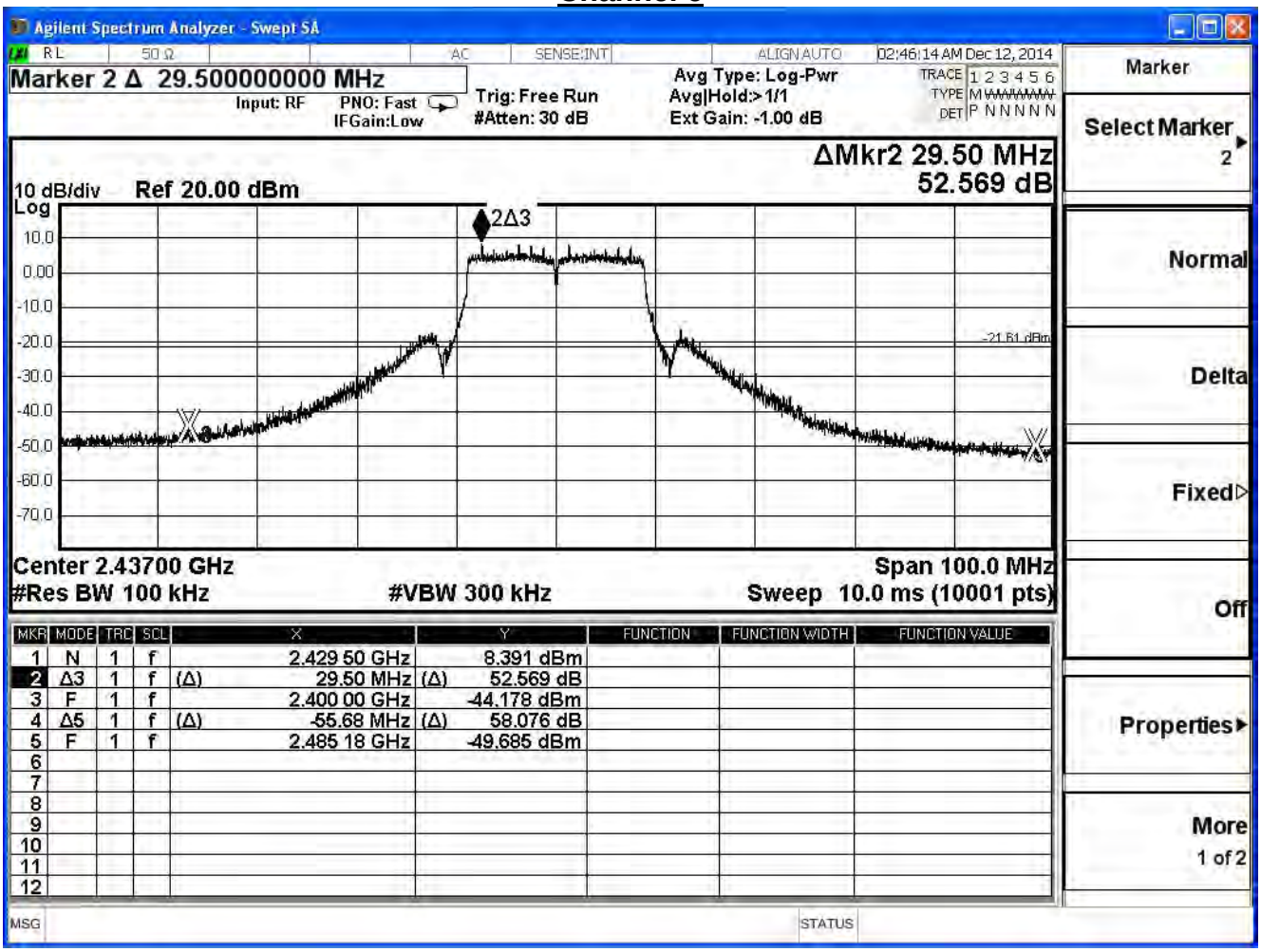
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

IEEE 802.11n (20MHz), (ANT 0) Antenna Gain: 2dBi				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	31.397	≧30	Pass
6	2437	52.569	≧30	Pass
11	2462	57.105	≧30	Pass

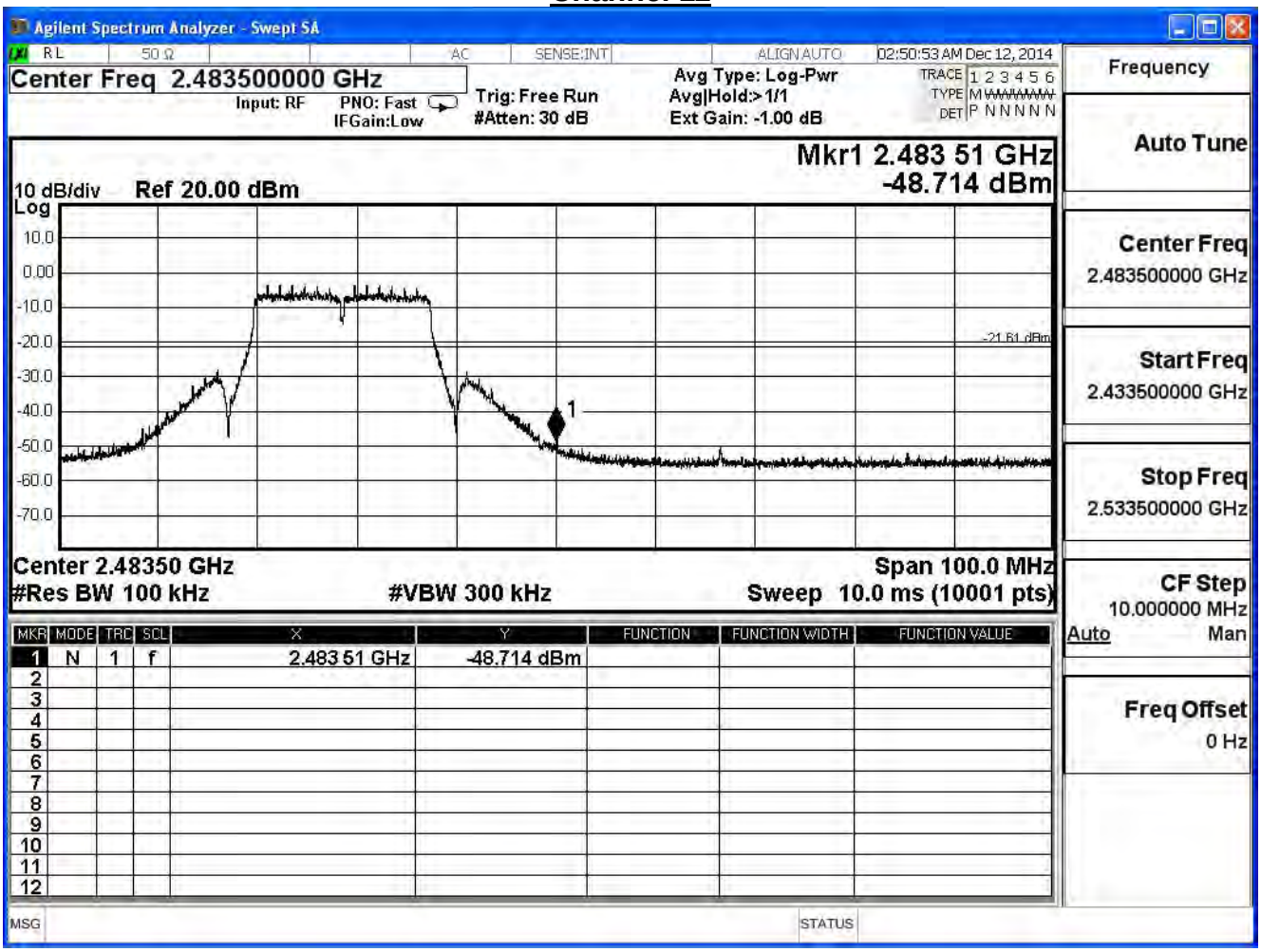
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
Marker 2 Δ 29.500000000 MHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>1/1
Ext Gain: -1.00 dB
02:46:14 AM Dec 12, 2014
ΔMkr2 29.50 MHz
52.569 dB
10 dB/div Ref 20.00 dBm
Log
2Δ3
-21.61 dBm
Center 2.43700 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
Marker
Select Marker 2
Normal
Delta
Fixed
Off
Properties
More 1 of 2
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.429 50 GHz 8.391 dBm
2 Δ3 1 f (Δ) 29.50 MHz (Δ) 52.569 dB
3 F 1 f 2.400 00 GHz -44.178 dBm
4 Δ5 1 f (Δ) -55.68 MHz (Δ) 58.076 dB
5 F 1 f 2.485 18 GHz -49.685 dBm
MSG
STATUS

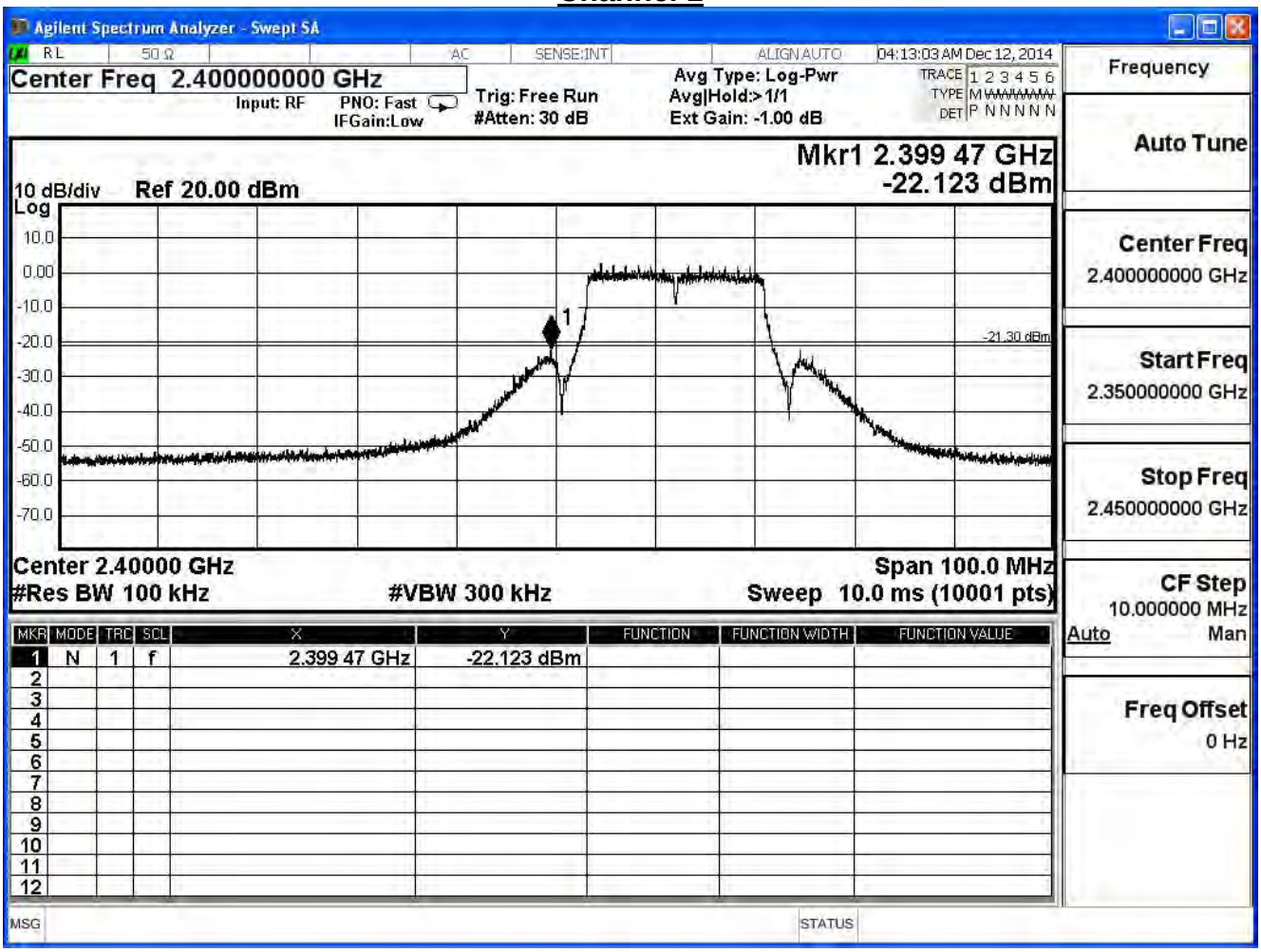
Channel 11


Agilent Spectrum Analyzer - Swept SA
RL 50 Ω AC SENSE:INT ALIGN AUTO 02:50:53 AM Dec 12, 2014
Center Freq 2.483500000 GHz
Input: RF PNO: Fast IFGain:Low
Trig: Free Run #Atten: 30 dB
Avg Type: Log-Pwr Avg|Hold:>1/1 Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6 TYPE M DET P N N N N N
Mkr1 2.483 51 GHz -48.714 dBm
10 dB/div Ref 20.00 dBm
Log
10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0
-21.61 dBm
Center 2.48350 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.483 51 GHz -48.714 dBm
Frequency
Auto Tune
Center Freq 2.483500000 GHz
Start Freq 2.433500000 GHz
Stop Freq 2.533500000 GHz
CF Step 10.000000 MHz
Auto Man
Freq Offset 0 Hz
MSG
STATUS

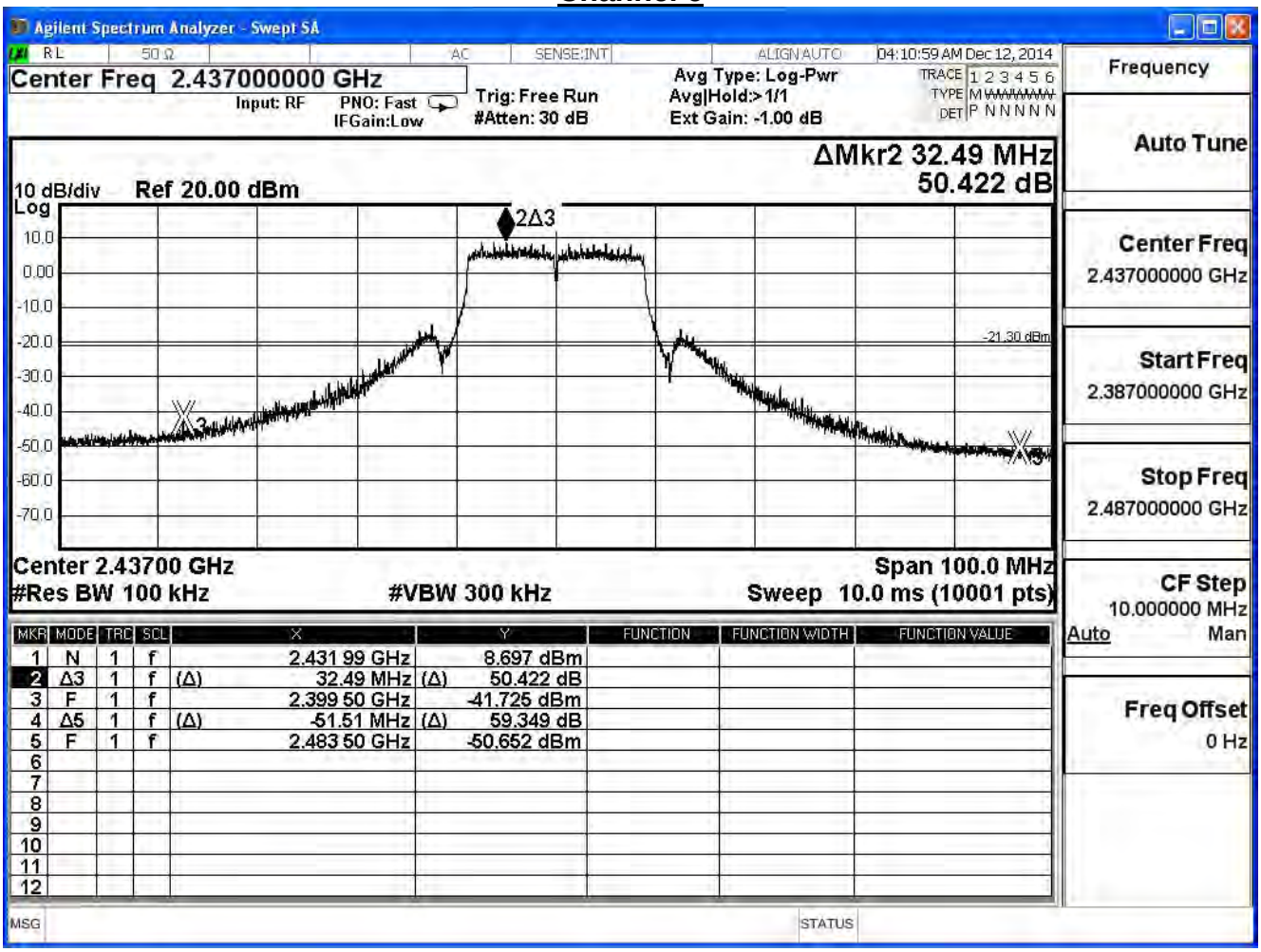
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

IEEE 802.11n (20MHz), (ANT 1) Antenna Gain: 2dBi				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	30.820	≧30	Pass
6	2437	50.422	≧30	Pass
11	2462	54.864	≧30	Pass

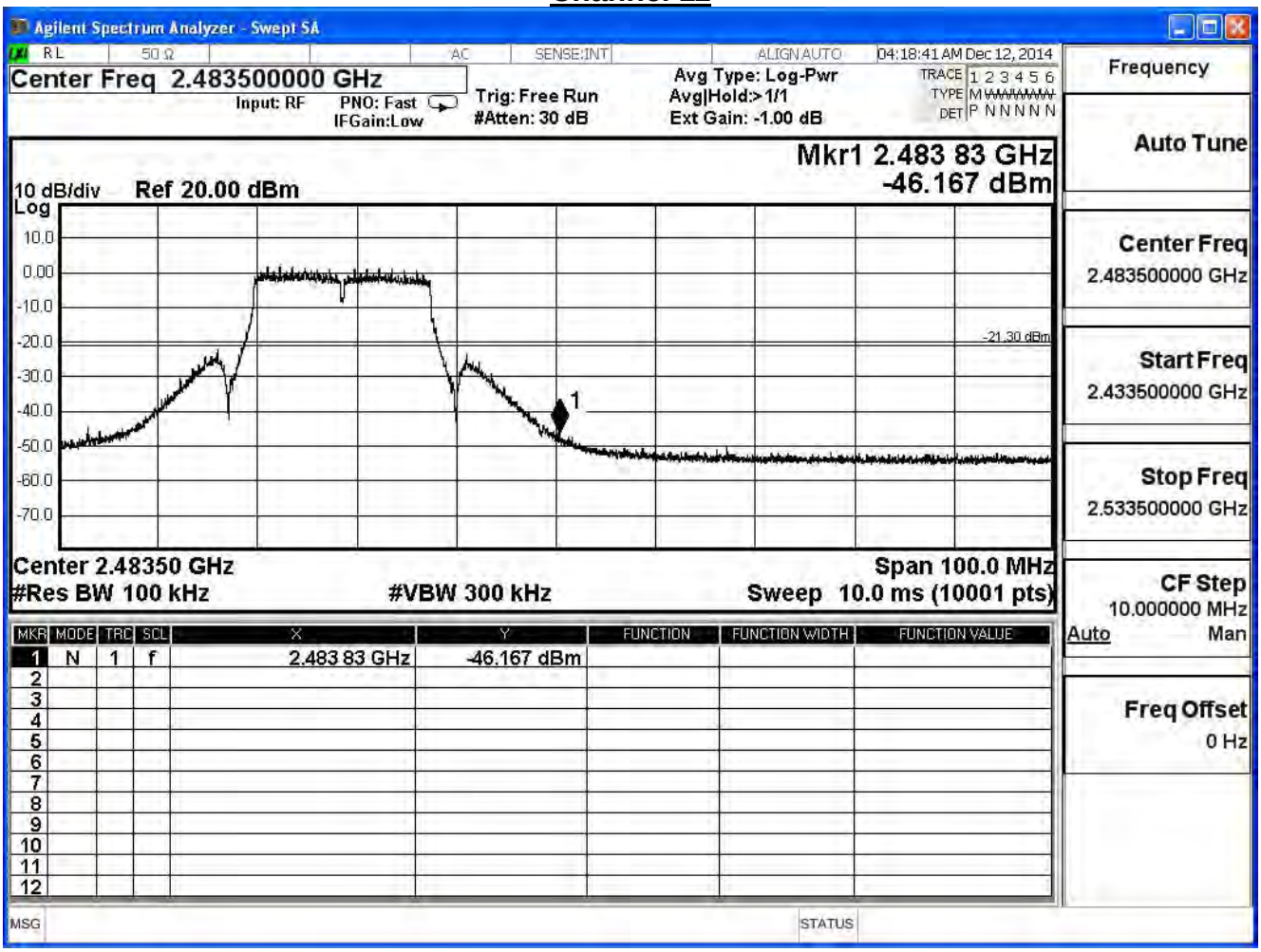
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
RL 50 Ω AC SENSE:INT ALIGN AUTO 04:10:59 AM Dec 12, 2014
Center Freq 2.437000000 GHz
Input: RF PNO: Fast IFGain:Low
Trig: Free Run #Atten: 30 dB
Avg Type: Log-Pwr Avg|Hold:>1/1 Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6 TYPE M DET P N N N N N
ΔMkr2 32.49 MHz 50.422 dB
10 dB/div Ref 20.00 dBm
Log
10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0
2Δ3
-21.30 dBm
Center 2.43700 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.431 99 GHz 8.697 dBm
2 Δ3 1 f (Δ) 32.49 MHz (Δ) 50.422 dB
3 F 1 f 2.399 50 GHz -41.725 dBm
4 Δ5 1 f (Δ) -51.51 MHz (Δ) 59.349 dB
5 F 1 f 2.483 50 GHz -50.652 dBm
6
7
8
9
10
11
12
Frequency
Auto Tune
Center Freq 2.437000000 GHz
Start Freq 2.387000000 GHz
Stop Freq 2.487000000 GHz
CF Step 10.000000 MHz
Auto Man
Freq Offset 0 Hz
MSG
STATUS

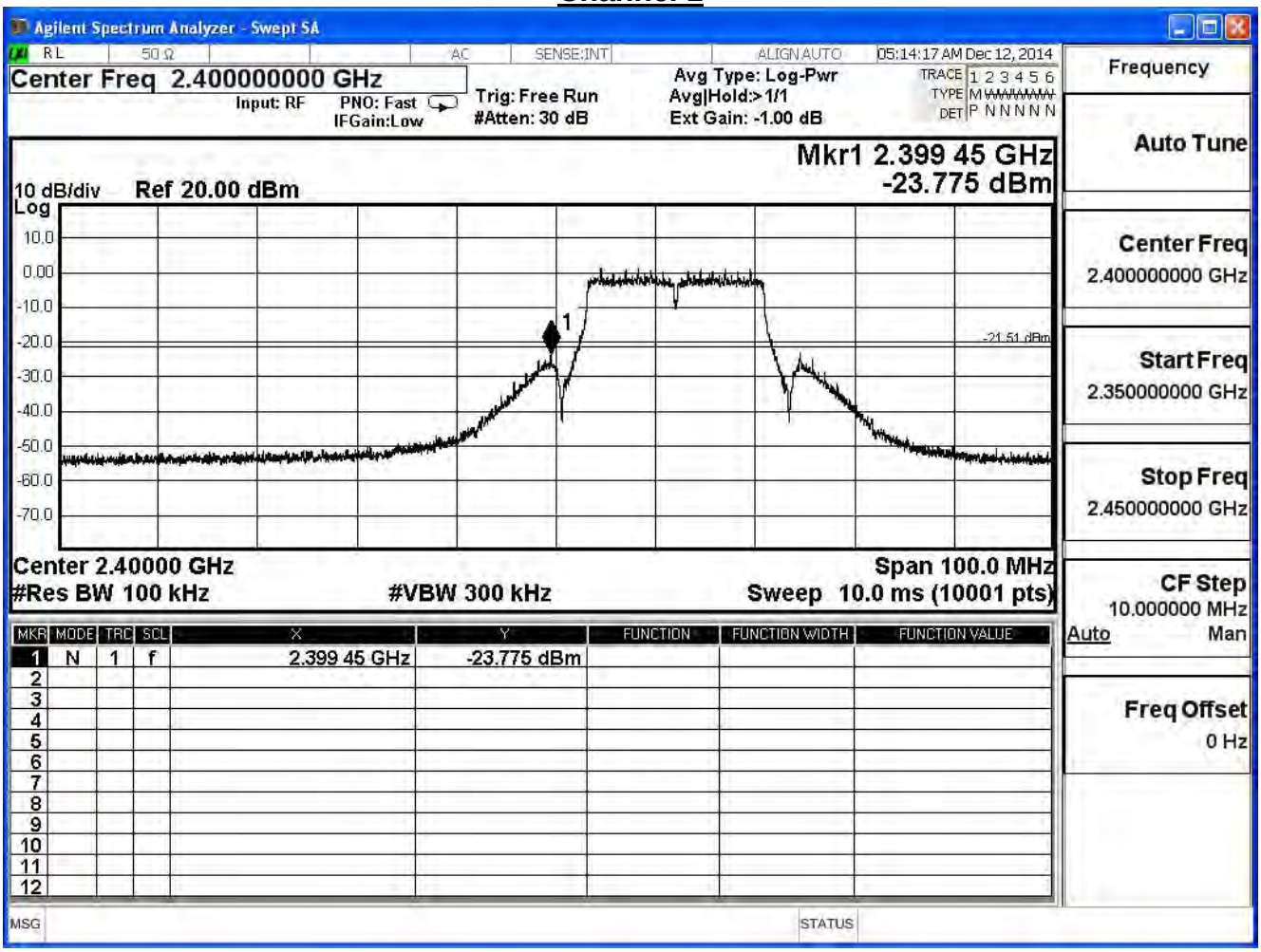
Channel 11


Agilent Spectrum Analyzer - Swept SA
RL 50 Ω AC SENSE:INT ALIGN AUTO 04:18:41 AM Dec 12, 2014
Center Freq 2.483500000 GHz
Input: RF PNO: Fast IFGain:Low
Trig: Free Run #Atten: 30 dB
Avg Type: Log-Pwr Avg|Hold:>1/1 Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6 TYPE M DET P N N N N N
Mkr1 2.483 83 GHz -46.167 dBm
10 dB/div Ref 20.00 dBm
Log
10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0
-21.30 dBm
1
Center 2.48350 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.483 83 GHz -46.167 dBm
2 3 4 5 6 7 8 9 10 11 12
Frequency
Auto Tune
Center Freq 2.483500000 GHz
Start Freq 2.433500000 GHz
Stop Freq 2.533500000 GHz
CF Step 10.000000 MHz
Auto Man
Freq Offset 0 Hz
MSG
STATUS

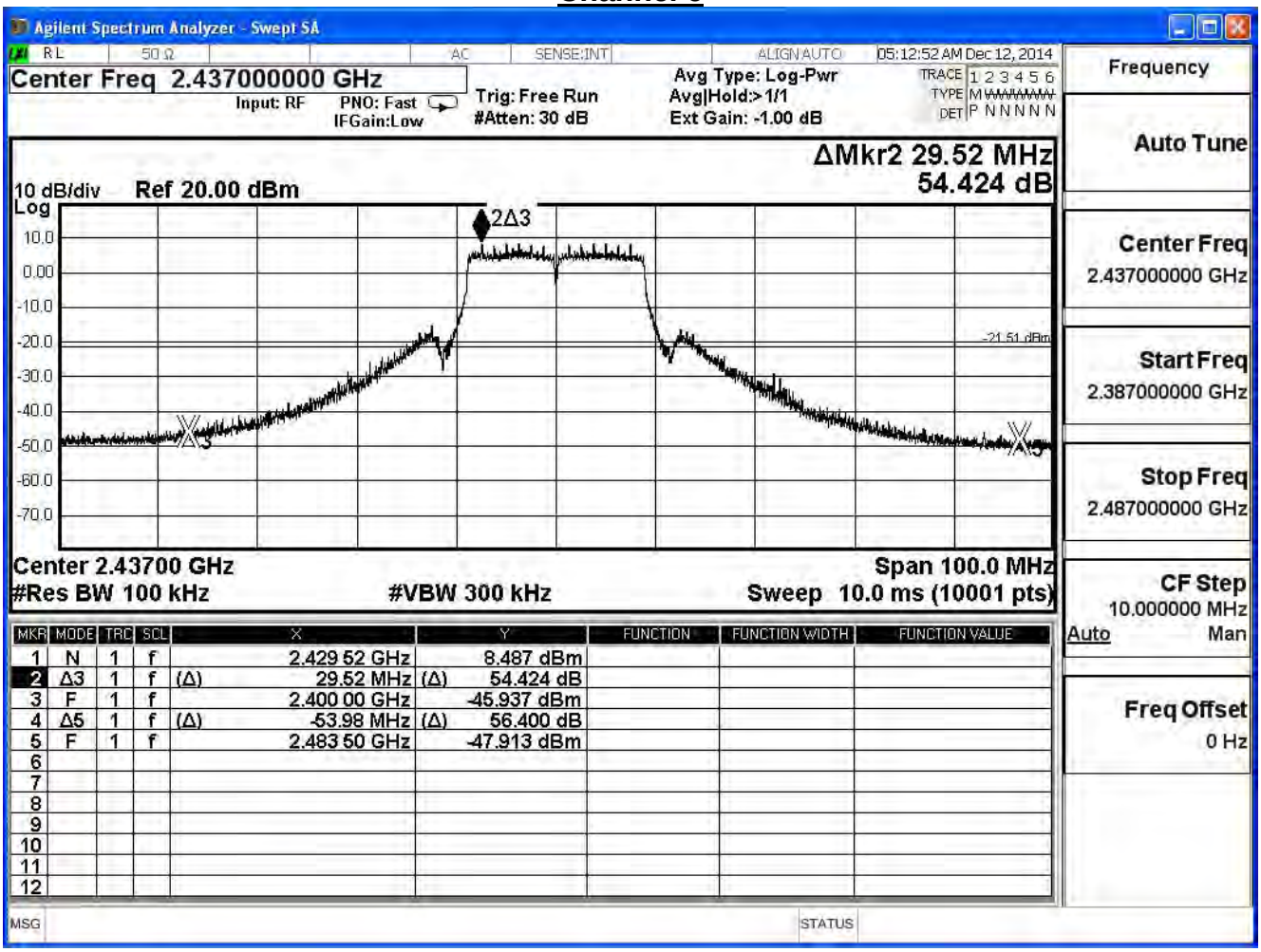
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

IEEE 802.11n (20MHz), (ANT 2) Antenna Gain: 2dBi				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	32.262	≧30	Pass
6	2437	54.424	≧30	Pass
11	2462	56.412	≧30	Pass

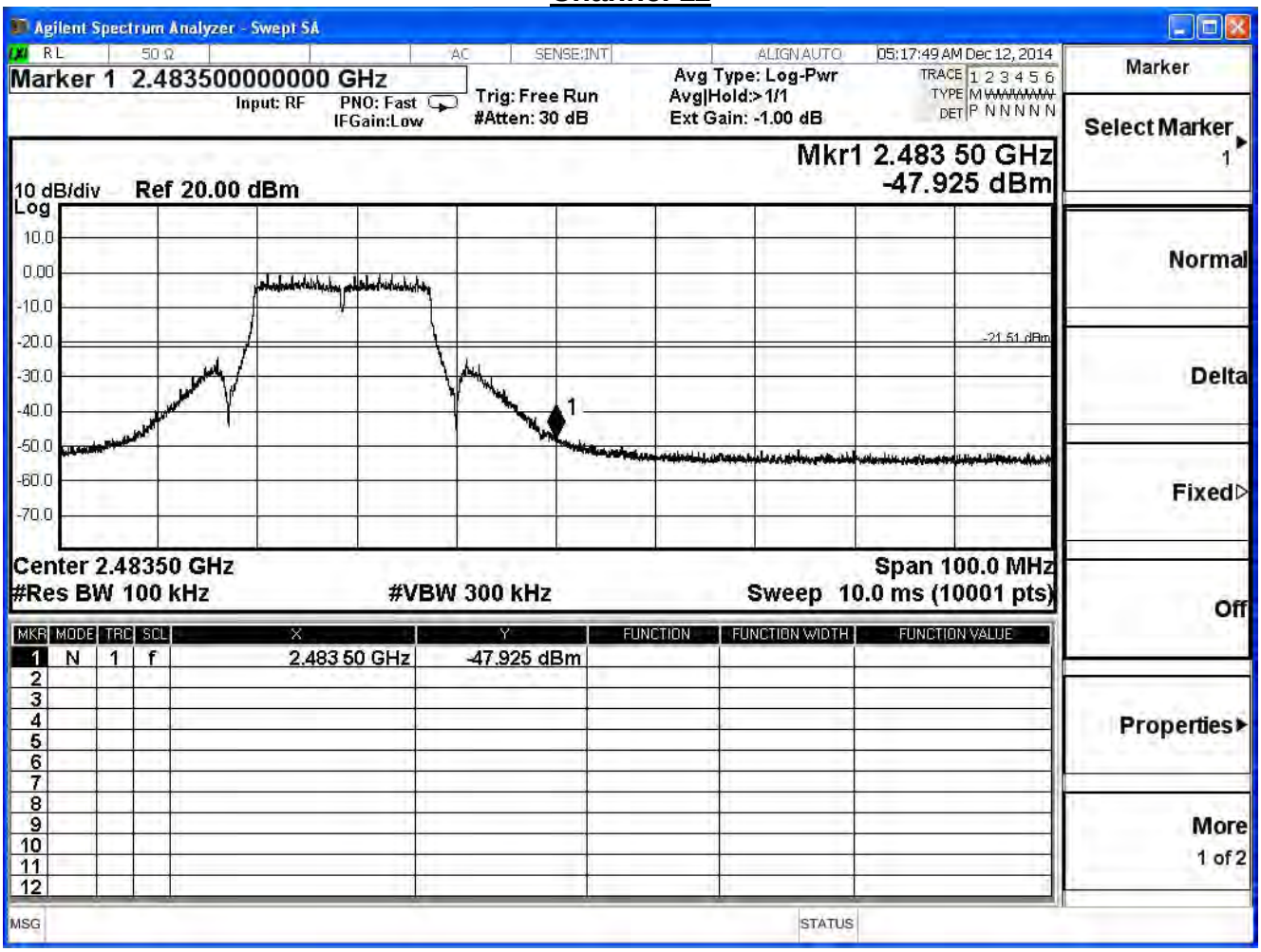
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
Center Freq 2.437000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>1/1
Ext Gain: -1.00 dB
05:12:52 AM Dec 12, 2014
ΔMkr2 29.52 MHz
54.424 dB
10 dB/div Ref 20.00 dBm
Log
-21.51 dBm
Center 2.43700 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.387000000 GHz
Stop Freq
2.487000000 GHz
CF Step
10.000000 MHz
Auto Man
Freq Offset
0 Hz
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.429 52 GHz 8.487 dBm
2 Δ3 1 f (Δ) 29.52 MHz (Δ) 54.424 dB
3 F 1 f 2.400 00 GHz -45.937 dBm
4 Δ5 1 f (Δ) -53.98 MHz (Δ) 56.400 dB
5 F 1 f 2.483 50 GHz -47.913 dBm
MSG
STATUS

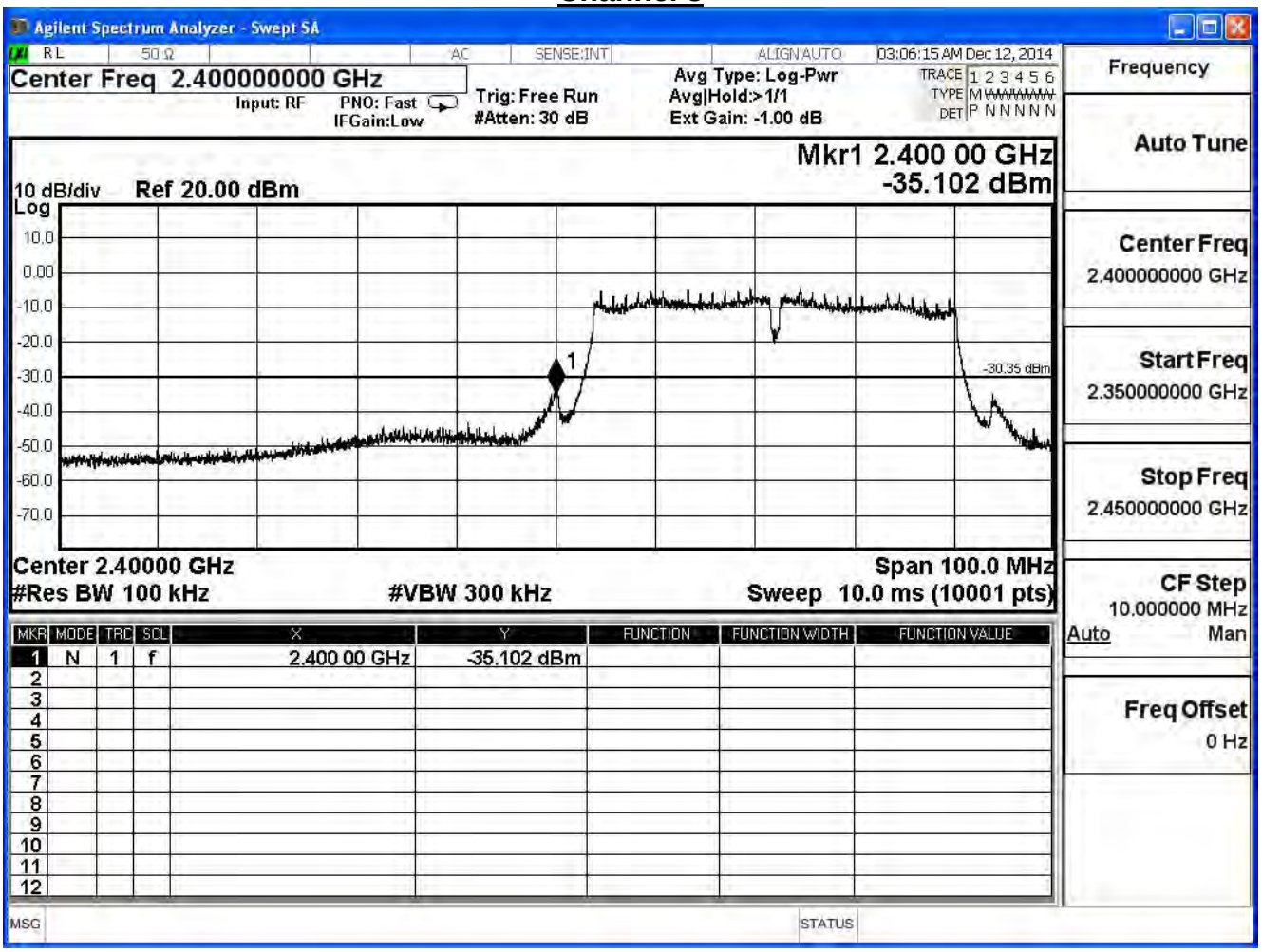
Channel 11


Agilent Spectrum Analyzer - Swept SA
Marker 1 2.483500000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>1/1
Ext Gain: -1.00 dB
05:17:49 AM Dec 12, 2014
Mkr1 2.483 50 GHz
-47.925 dBm
10 dB/div
Ref 20.00 dBm
Log
Center 2.48350 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
1 N 1 f 2.483 50 GHz -47.925 dBm
Marker
Select Marker
Normal
Delta
Fixed
Off
Properties
More
1 of 2

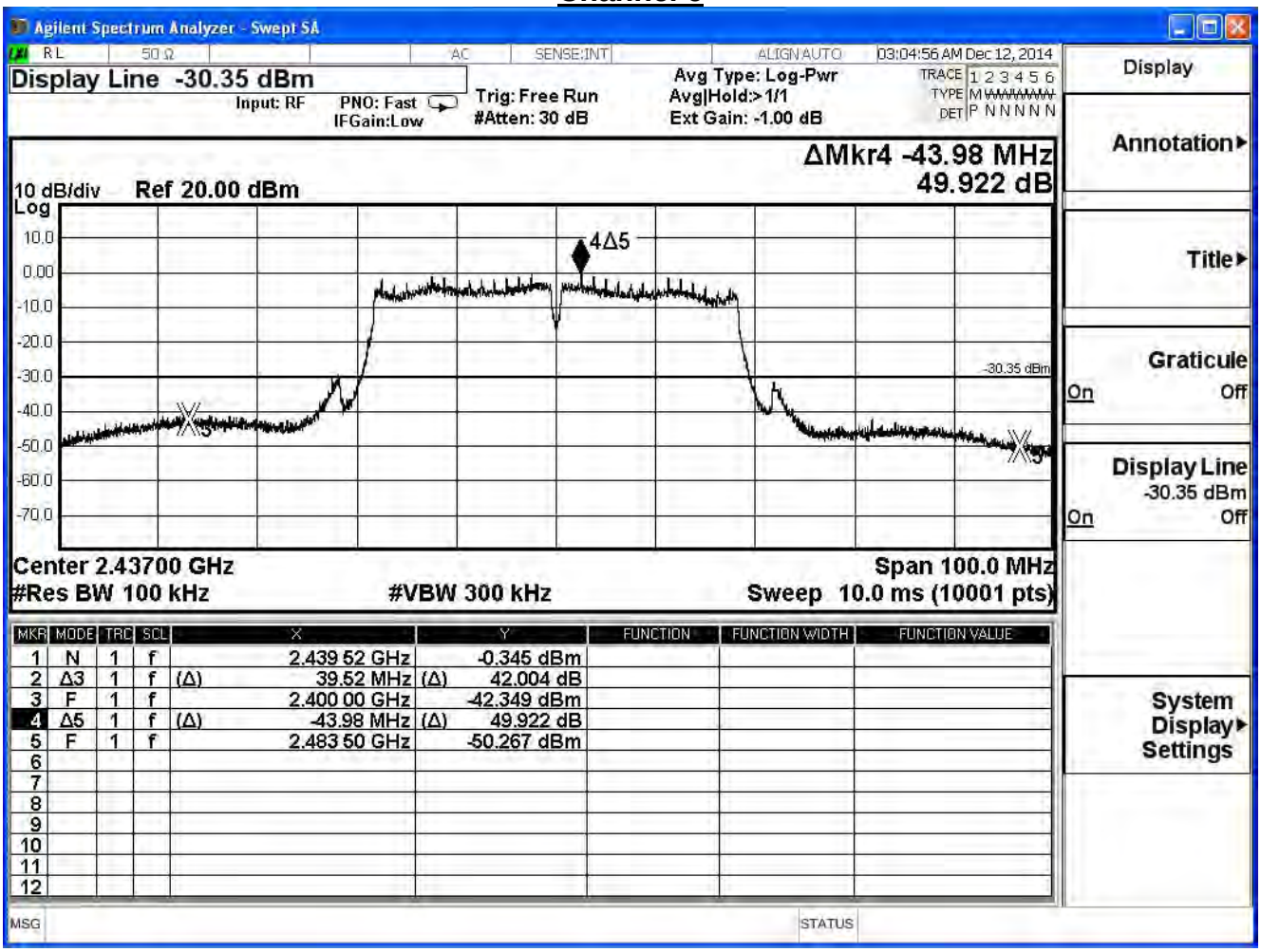
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

IEEE 802.11n (40MHz), (ANT 0) Antenna Gain: 2dBi				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	34.757	≧30	Pass
6	2437	40.297	≧30	Pass
9	2452	45.912	≧30	Pass

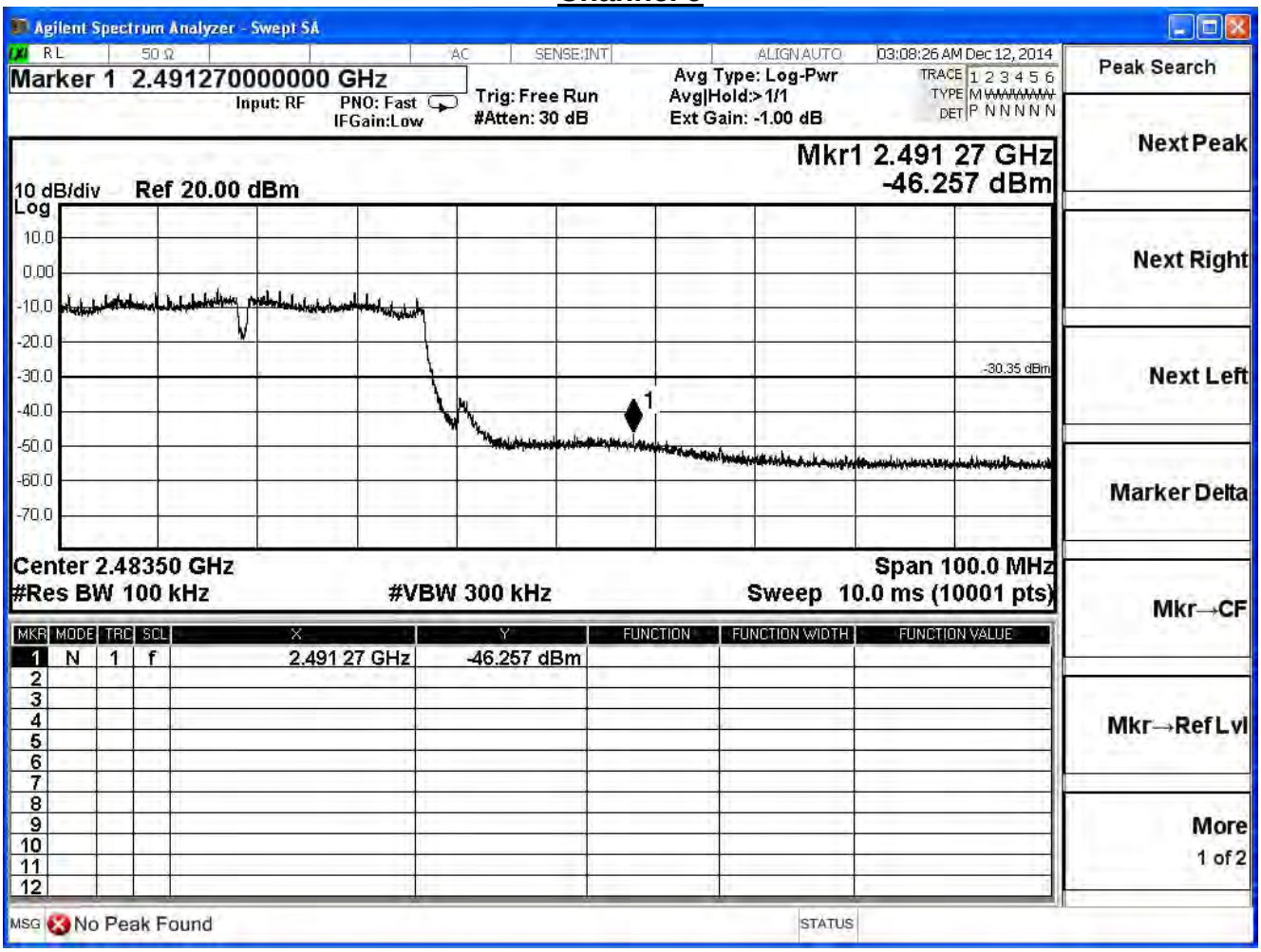
Channel 3



Channel 6


Agilent Spectrum Analyzer - Swept SA
RL 50 Ω AC SENSE:INT ALIGN AUTO 03:04:56 AM Dec 12, 2014
Display Line -30.35 dBm
Input: RF PNO: Fast IFGain:Low
Trig: Free Run #Atten: 30 dB
Avg Type: Log-Pwr Avg|Hold:>1/1 Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6 TYPE M DET P N N N N N
ΔMkr4 -43.98 MHz 49.922 dB
10 dB/div Ref 20.00 dBm
Log
10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0
4Δ5
-30.35 dBm
Center 2.43700 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.439 52 GHz -0.345 dBm
2 Δ3 1 f (Δ) 39.52 MHz (Δ) 42.004 dB
3 F 1 f 2.400 00 GHz -42.349 dBm
4 Δ5 1 f (Δ) -43.98 MHz (Δ) 49.922 dB
5 F 1 f 2.483 50 GHz -50.267 dBm
6
7
8
9
10
11
12
Display
Annotation
Title
Graticule On Off
Display Line -30.35 dBm On Off
System Display Settings
MSG
STATUS

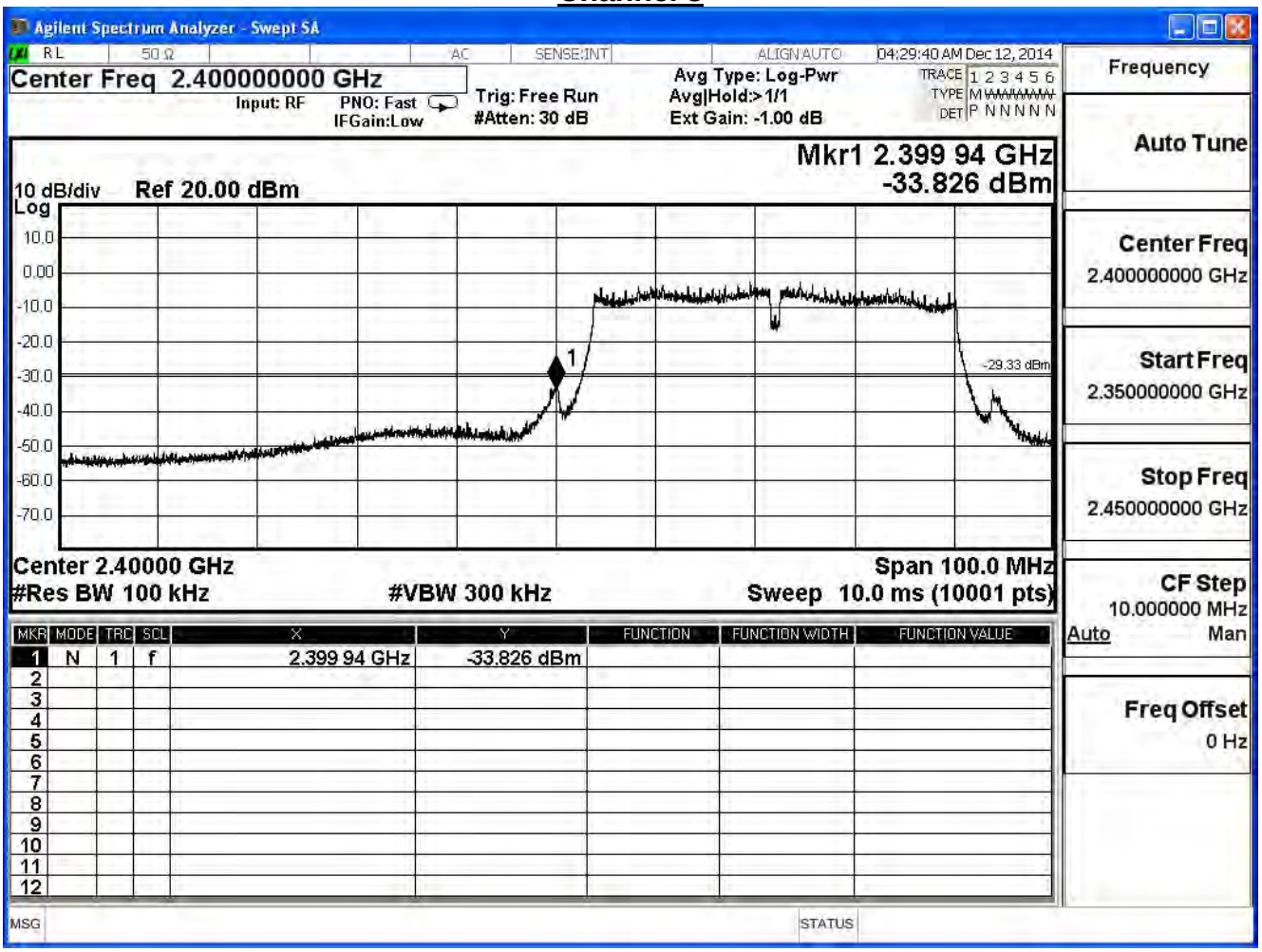
Channel 9


Agilent Spectrum Analyzer - Swept SA
RL 50 Ω AC SENSE:INT ALIGN AUTO 03:08:26 AM Dec 12, 2014
Marker 1 2.491270000000 GHz
Input: RF PNO: Fast IFGain:Low
Trig: Free Run #Atten: 30 dB
Avg Type: Log-Pwr Avg|Hold:>1/1 Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6 TYPE M DET P N N N N N
Mkr1 2.491 27 GHz -46.257 dBm
10 dB/div Ref 20.00 dBm
Log
10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0
-30.35 dBm
Center 2.48350 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.491 27 GHz -46.257 dBm
Peak Search
Next Peak
Next Right
Next Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More 1 of 2
MSG No Peak Found
STATUS

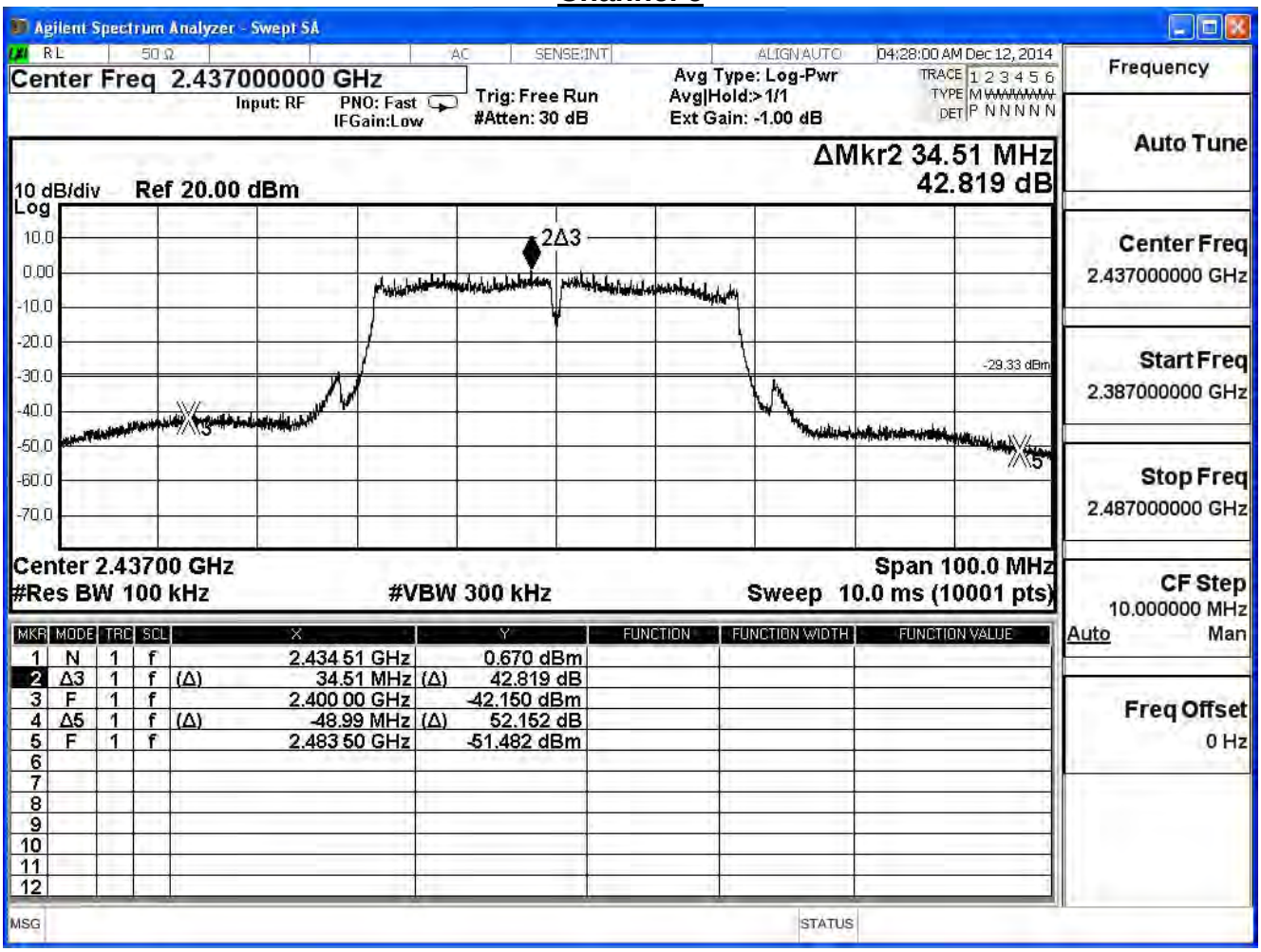
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

IEEE 802.11n (40MHz), (ANT 1) Antenna Gain: 2dBi Duty Cycle: 1				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	34.496	≧30	Pass
6	2437	42.819	≧30	Pass
9	2452	46.812	≧30	Pass

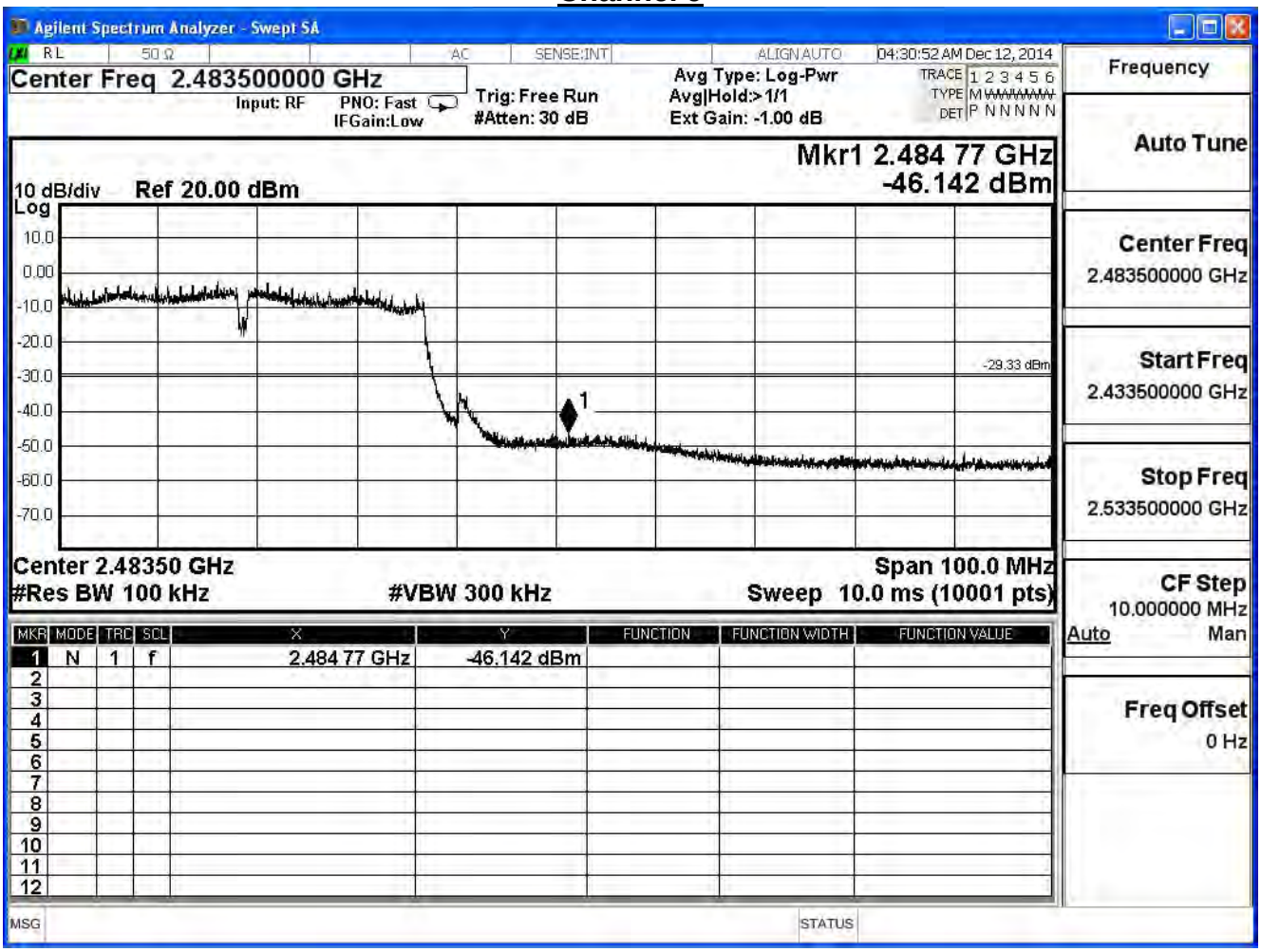
Channel 3



Channel 6


Agilent Spectrum Analyzer - Swept SA
Center Freq 2.437000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>1/1
Ext Gain: -1.00 dB
04:28:00 AM Dec 12, 2014
ΔMkr2 34.51 MHz
42.819 dB
10 dB/div Ref 20.00 dBm
Log
-29.33 dBm
Center 2.43700 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.387000000 GHz
Stop Freq
2.487000000 GHz
CF Step
10.000000 MHz
Auto Man
Freq Offset
0 Hz
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.434 51 GHz 0.670 dBm
2 Δ3 1 f (Δ) 34.51 MHz (Δ) 42.819 dB
3 F 1 f 2.400 00 GHz -42.150 dBm
4 Δ5 1 f (Δ) -48.99 MHz (Δ) 52.152 dB
5 F 1 f 2.483 50 GHz -51.482 dBm
MSG
STATUS

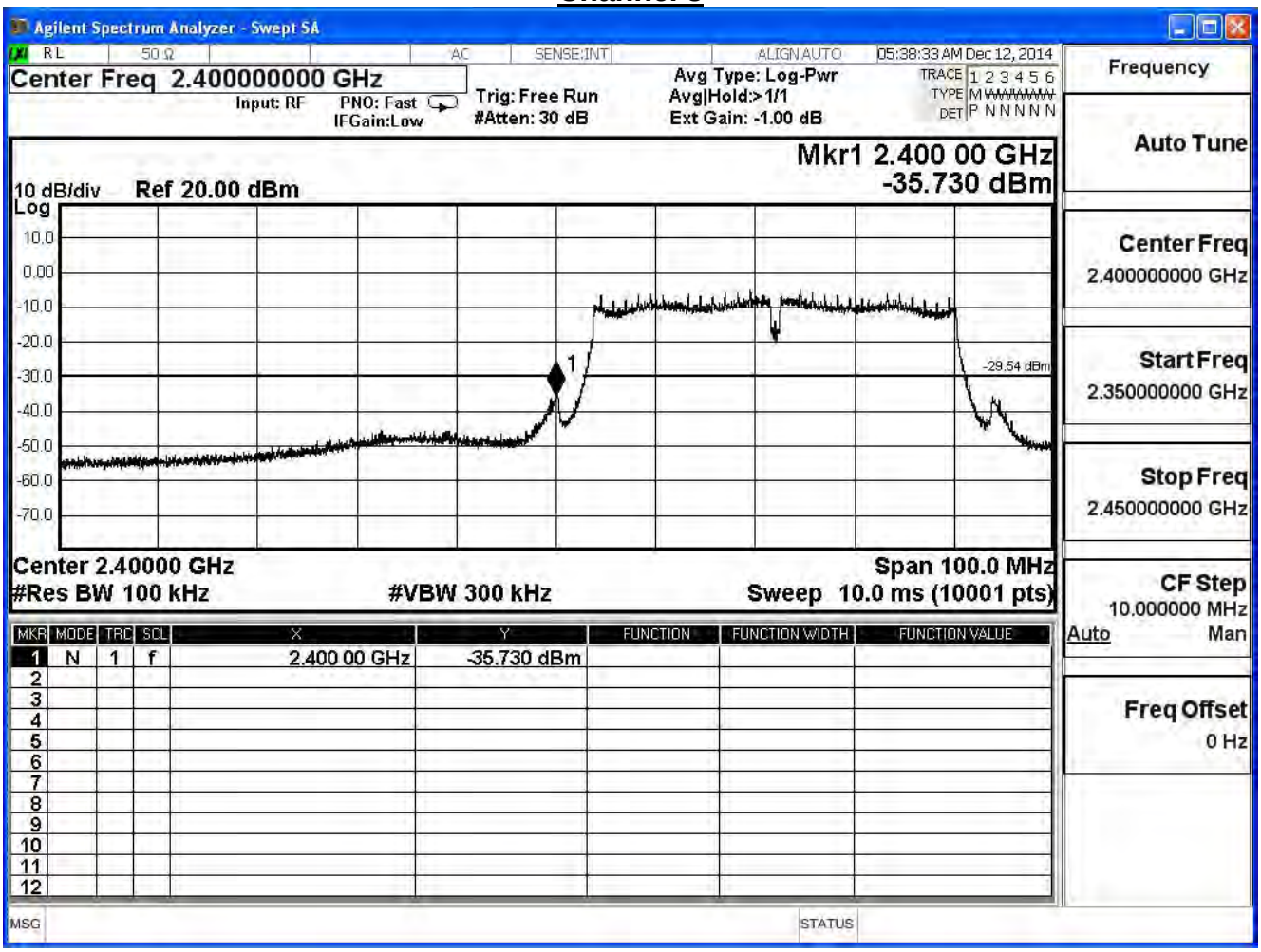
Channel 9


Agilent Spectrum Analyzer - Swept SA
RL 50 Ω AC SENSE:INT ALIGN AUTO 04:30:52 AM Dec 12, 2014
Center Freq 2.483500000 GHz
Input: RF PNO: Fast IFGain:Low
Trig: Free Run #Atten: 30 dB
Avg Type: Log-Pwr Avg|Hold:>1/1 Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6 TYPE M DET P N N N N N
Mkr1 2.484 77 GHz -46.142 dBm
10 dB/div Ref 20.00 dBm
Log
10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0
-29.33 dBm
Center 2.48350 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.484 77 GHz -46.142 dBm
Frequency
Auto Tune
Center Freq 2.483500000 GHz
Start Freq 2.433500000 GHz
Stop Freq 2.533500000 GHz
CF Step 10.000000 MHz
Auto Man
Freq Offset 0 Hz
MSG
STATUS

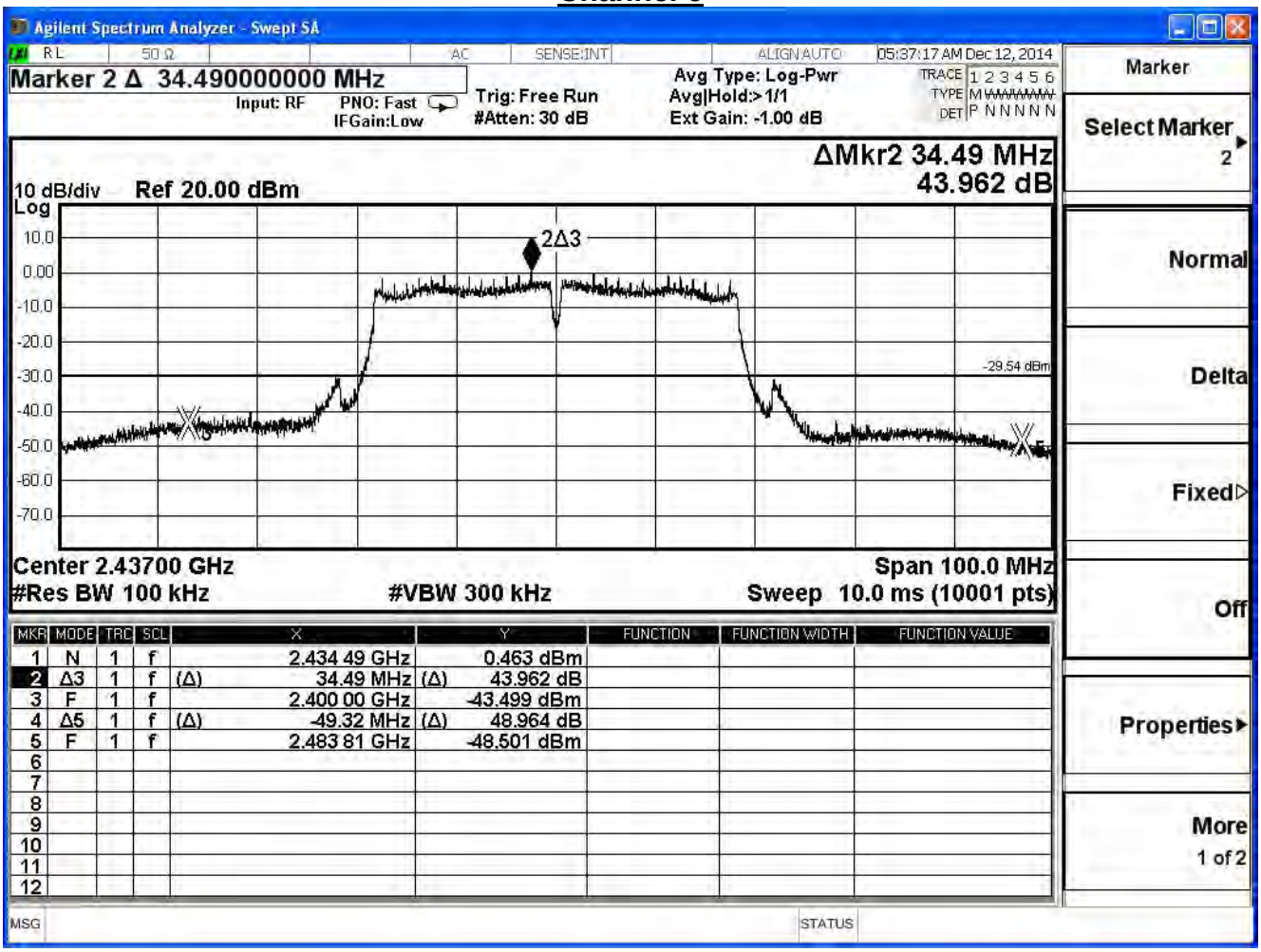
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

IEEE 802.11n (40MHz), (ANT 2) Antenna Gain: 2dBi Duty Cycle: 1				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	36.193	≧30	Pass
6	2437	43.962	≧30	Pass
9	2452	47.123	≧30	Pass

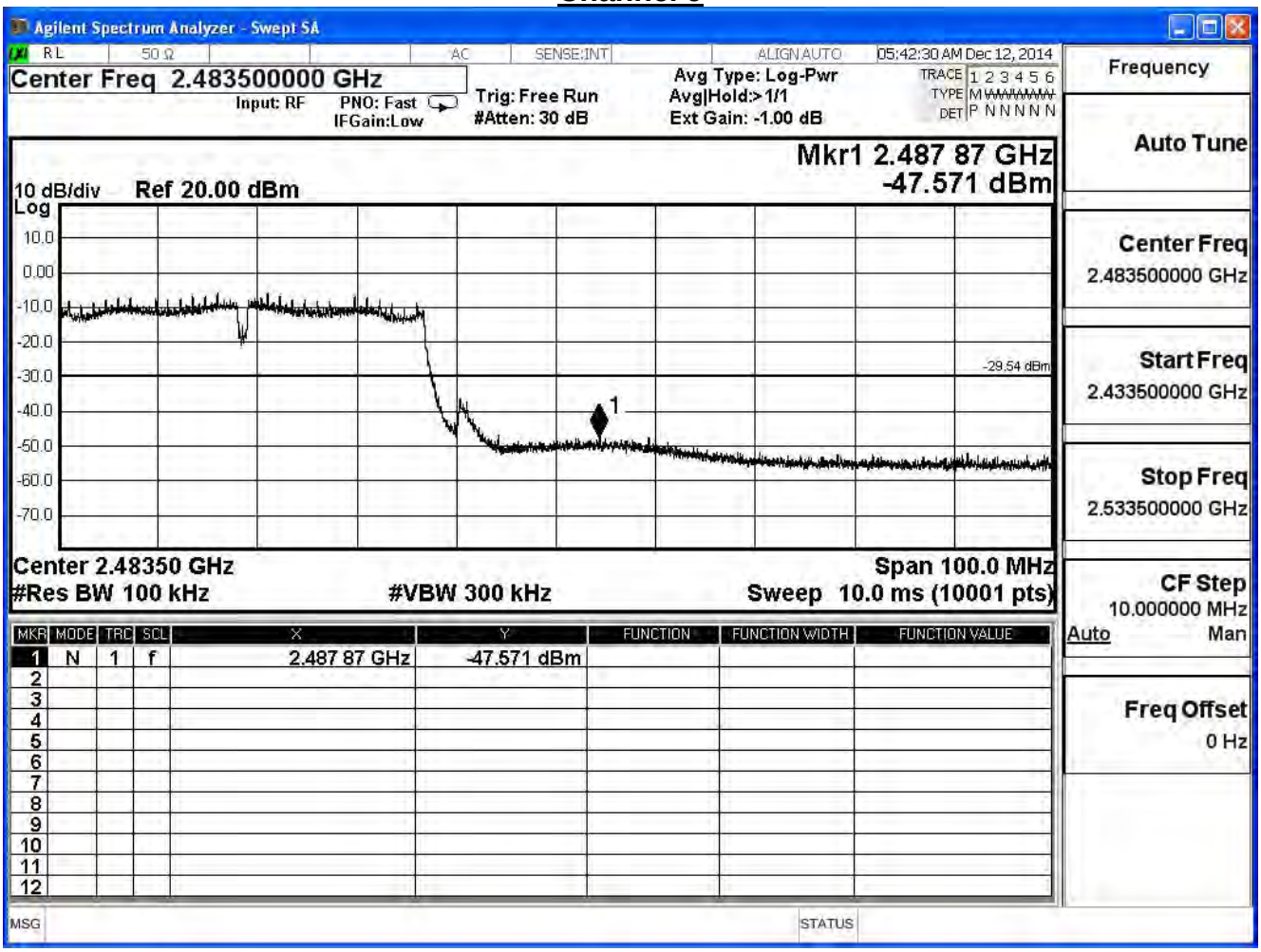
Channel 3



Channel 6


Agilent Spectrum Analyzer - Swept SA
Marker 2 Δ 34.490000000 MHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>1/1
Ext Gain: -1.00 dB
05:37:17 AM Dec 12, 2014
ΔMkr2 34.49 MHz
43.962 dB
10 dB/div Ref 20.00 dBm
Log
2Δ3
-29.54 dBm
Center 2.43700 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
Marker
Select Marker 2
Normal
Delta
Fixed
Off
Properties
More 1 of 2
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.434 49 GHz 0.463 dBm
2 Δ3 1 f (Δ) 34.49 MHz (Δ) 43.962 dB
3 F 1 f 2.400 00 GHz -43.499 dBm
4 Δ5 1 f (Δ) -49.32 MHz (Δ) 48.964 dB
5 F 1 f 2.483 81 GHz -48.501 dBm
MSG
STATUS

Channel 9


Agilent Spectrum Analyzer - Swept SA
RL 50 Ω AC SENSE:INT ALIGN AUTO 05:42:30 AM Dec 12, 2014
Center Freq 2.483500000 GHz
Input: RF PNO: Fast IFGain:Low
Trig: Free Run #Atten: 30 dB
Avg Type: Log-Pwr Avg|Hold:>1/1 Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6 TYPE M DET P N N N N N
Mkr1 2.487 87 GHz -47.571 dBm
10 dB/div Ref 20.00 dBm
Log
10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0
-29.54 dBm
Center 2.48350 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.487 87 GHz -47.571 dBm
Frequency
Auto Tune
Center Freq 2.483500000 GHz
Start Freq 2.433500000 GHz
Stop Freq 2.533500000 GHz
CF Step 10.000000 MHz
Auto Man
Freq Offset 0 Hz
MSG
STATUS