FCC Test Report

Product Name ： Dual-band Wireless-AC750 Range Extender

Model No. ： RP-AC52

FCC ID. ： MSQ-RPAC52

Applicant ： ASUSTeK COMPUTER INC.

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

Date of Receipt ： 2015/03/10

Issued Date ： 2015/05/21

Report No. ： 1530179R-RFUSP27V00

Report Version ： V1.0

Test Report Certification

Issued Date ： 2015/05/21
Report No. ： 1530179R-RFUSP27V00

Product Name	：	Dual-band Wireless-AC750 Range Extender
Applicant	：	ASUSTeK COMPUTER INC.
Address	：	4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan
Manufacturer	：	ASUSTeK COMPUTER INC.
Model No.	：	RP-AC52
FCC ID.	：	MSQ-RPAC52
EUT Voltage	：	AC 100-240V, 50-60Hz
Trade Name	：	ASUS
Applicable Standard	：	FCC CFR Title 47 Part 15 Subpart C Section 15.247:2014
		ANSI C63.10: 2009
Test Result	：	Complied

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

Documented By ：

(Demi Chang / Engineering Adm. Specialist)

Reviewed By ：

(Bruno Tsai / Engineer)

Approved By ：

(Roy Wang / Director)

Laboratory Information

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

Taiwan R.O.C.	**:**	**TAF, Accreditation Number: 3024**
USA	**:**	**FCC, Registration Number: 365520**
Canada	**:**	**IC, Submission No: 150981**

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

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No.5-22, Ruishukeng, Linkou Dist., New Taipei City 24451, Taiwan, R.O.C.
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1. General Information

1.1. EUT Description

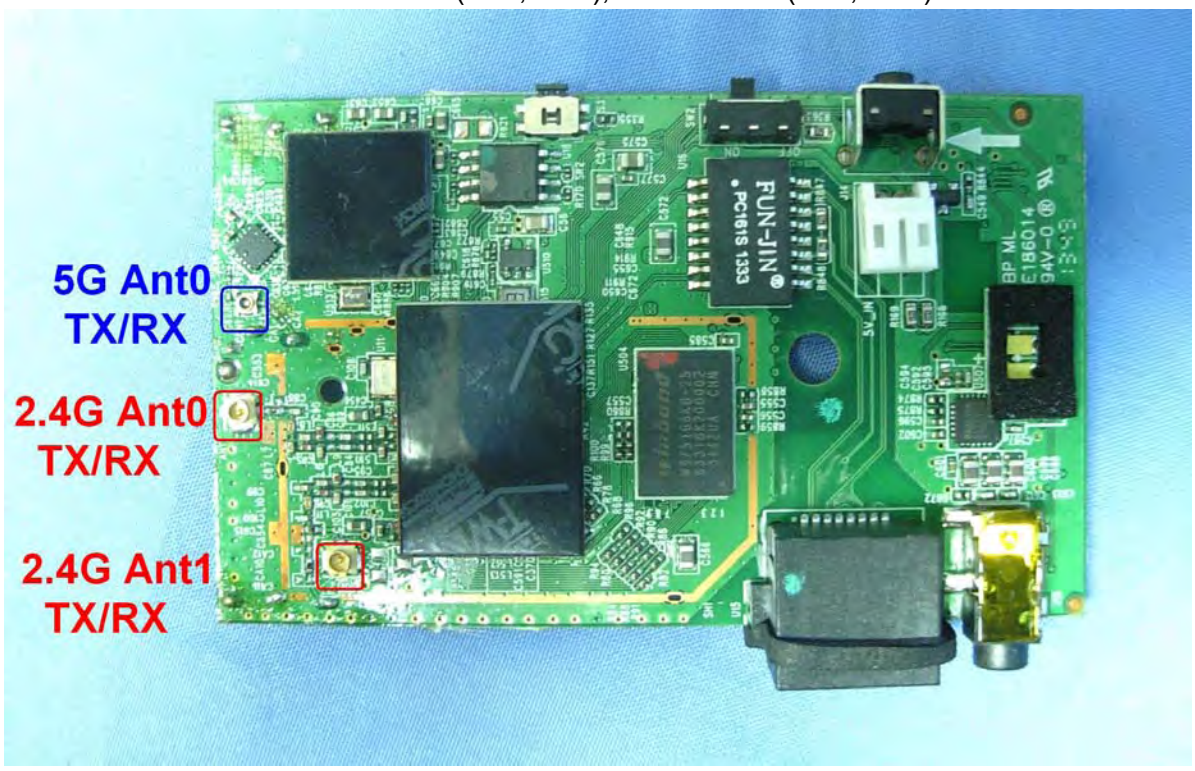
Product Name	Dual-band Wireless-AC750 Range Extender
Product Type	2.4GHz WLAN(2TX, 2RX), 5GHz WLAN(1TX, 1RX)
Trade Name	ASUS
Model No.	RP-AC52
Frequency Range/Channel Number -IEEE 802.11b/g & IEEE 802.11n (20MHz)_2.4GHz	2412~2462MHz / 11 Channels
Frequency Range/Channel Number -IEEE 802.11n(40MHz) _2.4GHz	2422~2452MHz / 7 Channels
Frequency Range/Channel Number -IEEE 802.11a & IEEE 802.11n/ac (20MHz)_5.8GHz	5745~5825MHz / 5 Channels
Frequency Range/Channel Number -IEEE 802.11n/ac (40MHz) _5.8GHz	5755~5795MHz / 2 Channels
Frequency Range/Channel Number -IEEE 802.11ac (80MHz) _5.8GHz	5775~5775MHz / 1 Channel
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 15 and bandwidth defined in 802.11n
Data Speed (IEEE 802.11ac)	Support a subset of the combination of GI, MCS 0~MCS 9 and bandwidth defined in 802.11ac

Antenna Information	
Antenna Type	PIFA Antenna
Antenna Gain	2.4GHz: Ant0: 3dBi, Ant1: 3dBi 5GHz: 3dBi

ANT-TX / RX & Bandwidth

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

2.4GHz WLAN(2TX, 2RX), 5GHz WLAN(1TX, 1RX)



IEEE 802.11n

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

Table 1 – MCS parameters for TX Antenna number = 1

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

Table 2 – MCS parameters for TX Antenna number = 2

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

IEEE 802.11ac Data Rate

Spatial Streams (Note1)	MCS Index	Modulation type	Coding rate	Data Rate(Mb/s)							
				20 MHz		40 MHz		80 MHz		160 MHz	
				Guard Interval		Guard Interval		Guard Interval		Guard Interval	
				800ns	400ns	800ns	400ns	800ns	400ns	800ns	400ns
1	0	BPSK	1/2	6.5	7.2	13.5	15	29.3	32.5	58.5	65
	1	QPSK	1/2	13	14.4	27	30	58.5	65	117	130
	2	QPSK	3/4	19.5	21.7	40.5	45	87.8	97.5	175.5	195
	3	16-QAM	1/2	26	28.9	54	60	117	130	234	260
	4	16-QAM	3/4	39	43.3	81	90	175.5	195	351	390
	5	64-QAM	2/3	52	57.8	108	120	234	260	468	520
	6	64-QAM	3/4	58.5	65	121.5	135	263.3	292.5	526.5	585
	7	64-QAM	5/6	65	72.2	135	150	292.5	325	585	650
	8	256-QAM	3/4	78	86.7	162	180	351	390	702	780
	9	256-QAM	5/6	N/A	N/A	180	200	390	433.3	780	866.7

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				

IEEE 802.11ac (80MHz) - 5.8GHz

Working Frequency of Each Channel	
Channel	Frequency
155	5775 MHz

Note:

1. This device is a Dual-band Wireless-AC750 Range Extender including 2.4GHz b/g/n (2x2) and 5GHz a/n (1x1) transmitting and receiving function.
2. These test results on a sample of the device are for the purpose of demonstrating Compliance with Part 15 Subpart C Paragraph 15.247.
3. Regards to the frequency band operation; the lowest、middle and highest frequency of channel were selected to perform the test, and then shown on this report.
4. The function of the 5.2GHz transmitting is measured and makes a test report of the report number: 1530179R-RFUSP57V00.
5. This device is a composite device in accordance with Part 15 regulations. The receiving function receiving was tested and its test report number is 1530179R-RFUSP01V00 under Declaration of Conformity.

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

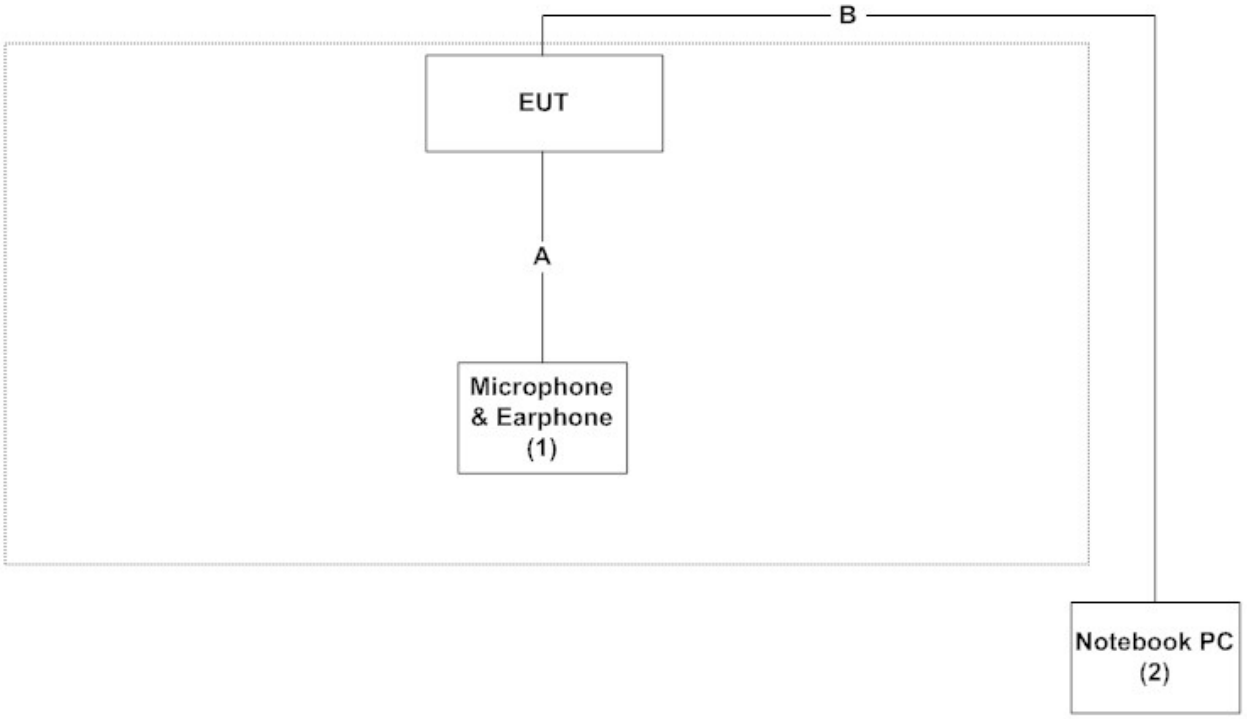
Test Items	Modulation	Channel	Antenna	Result
Conducted Emission	11n(40MHz)	6	0+1	Complies
	11ac(80MHz)	155	0	Complies
Peak Power Output	11a	149/ 157/ 165	0	Complies
	11b/g	1/ 6/ 11	0+1	Complies
	11n(20MHz)	1/ 6/ 11/ 149/ 157/ 165	0+1	Complies
	11n(40MHz)	3/ 6/ 9/ 151/ 159	0+1	Complies
	11ac(80MHz)	155	0	Complies
Radiated Emission	11a	149/ 157/ 165	0	Complies
	11b/g	1/ 6/ 11	0+1	Complies
	11n(20MHz)	1/ 6/ 11/ 149/ 157/ 165	0+1	Complies
	11n(40MHz)	3/ 6/ 9/ 151/ 159	0+1	Complies
	11ac(80MHz)	155	0	Complies
RF antenna conducted test	11a	149/ 157/ 165	0	Complies
	11b/g	1/ 6/ 11	0/1	Complies
	11n(20MHz)	1/ 6/ 11/ 149/ 157/ 165	0/1	Complies
	11n(40MHz)	3/ 6/ 9/ 151/ 159	0/1	Complies
	11ac(80MHz)	155	0	Complies
Radiated Emission Band Edge	11a	149/ 157/ 165	0	Complies
	11b/g	1/ 6/ 11	0+1	Complies
	11n(20MHz)	1/ 6/ 11/ 149/ 157/ 165	0+1	Complies
	11n(40MHz)	3/ 6/ 9/ 151/ 159	0+1	Complies
	11ac(80MHz)	155	0	Complies
Occupied Bandwidth	11a	149/ 157/ 165	0	Complies
	11b/g	1/ 6/ 11	0/1	Complies
	11n(20MHz)	1/ 6/ 11/ 149/ 157/ 165	0/1	Complies
	11n(40MHz)	3/ 6/ 9/ 151/ 159	0/1	Complies
	11ac(80MHz)	155	0	Complies
Power Density	11a	149/ 157/ 165	0	Complies
	11b/g	1/ 6/ 11	0+1	Complies
	11n(20MHz)	1/ 6/ 11/ 149/ 157/ 165	0+1	Complies
	11n(40MHz)	3/ 6/ 9/ 151/ 159	0+1	Complies
	11ac(80MHz)	155	0	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	Microphone & Earphone	Fujiei	SBZ-38	N/A	DoC	--
2	Notebook PC	DELL	Vostro3400	7F808N1	DoC	Non-Shielded, 1.8m

1.4. Configuration of tested System

Connection Diagram


Signal Cable Type		Signal cable Description
A	Microphone & Earphone Cable	Shielded, 1.8m
B	LAN Cable	Non-Shielded, 2.0m

1.5. EUT Exercise Software

1	Setup the EUT as shown in Section 1.5.
2	Execute the Telnet and send command for 2.4GHz, Execute QA Tool MT76xx QA(AP) V2.0.10.3 for 5GHz.
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

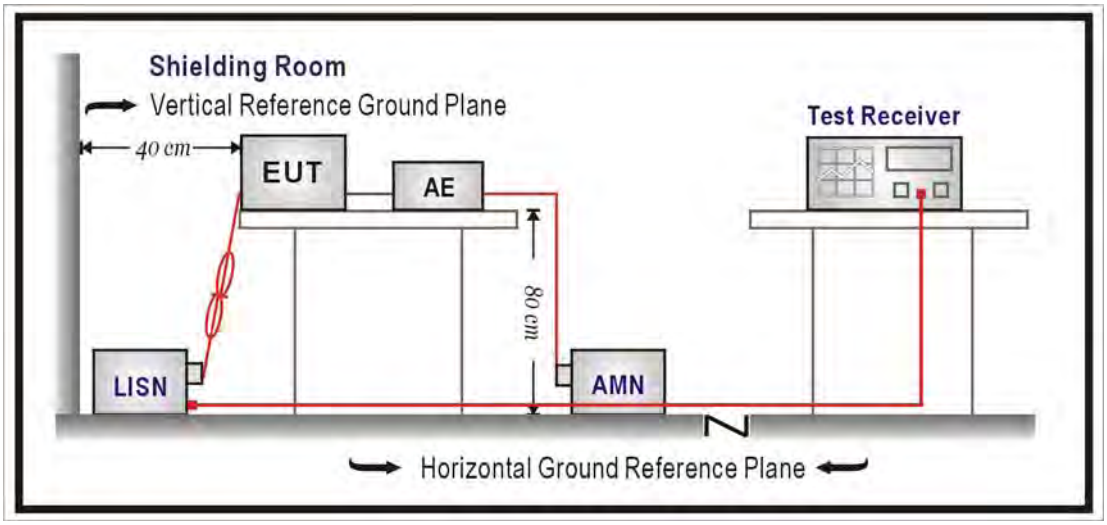
The following test equipments are used during the test:

Conducted Emission / SR3

Instrument	Manufacturer	Model No.	Serial No.	Next Cal. Date
LISN	R&S	ENV216	100096	2015/08/10
LISN	R&S	ESH3-Z5	836679/022	2015/12/15
Test Receiver	R&S	ESCS 30	825442/017	2016/01/14

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

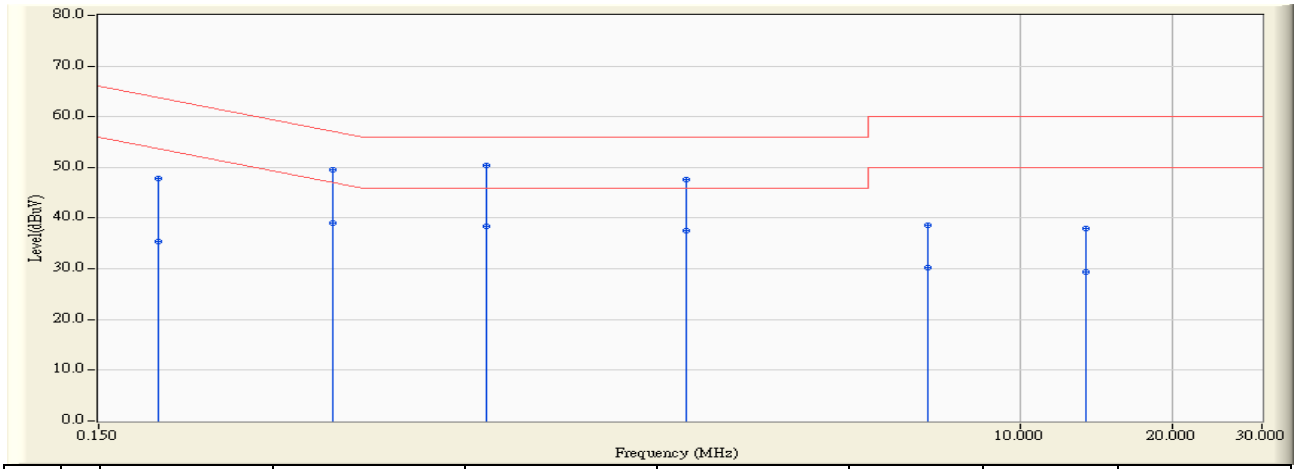
According to FCC Part 15 Subpart C Paragraph 15.207: 2014

2.6. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

2.7. Test Result

Site : SR3	Time : 2015/05/21 - 20:23
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR3_LISN(16A)-4_0811 - Line1	Power : AC 120V / 60Hz
EUT : Dual-band Wireless-AC750 Range Extender	Note : Mode 1: Transmit_802.11n(40MHz)_2437MHz

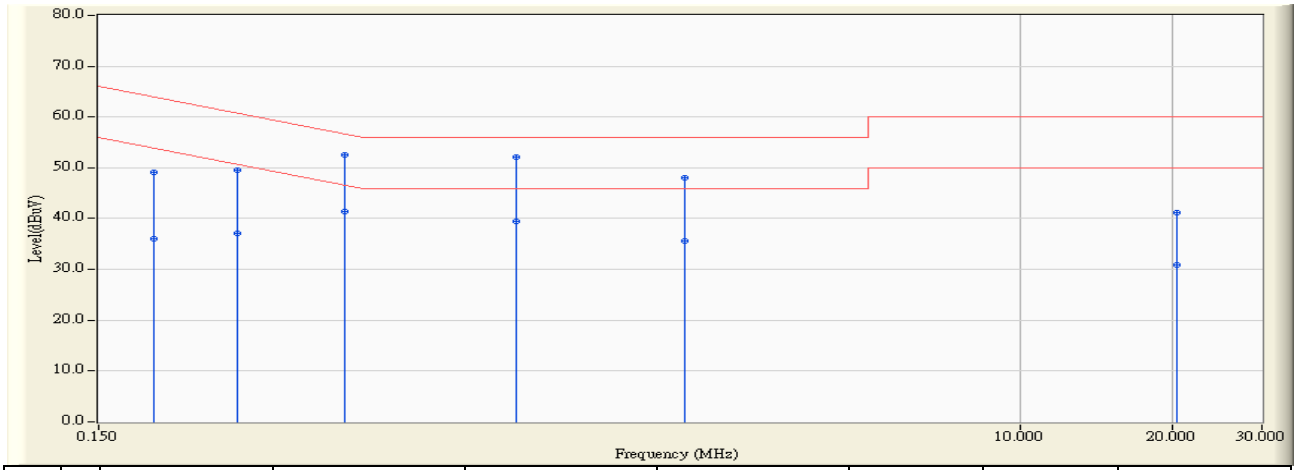


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.197	9.676	38.220	47.896	-15.846	63.741	QUASIPEAK
2		0.197	9.676	25.630	35.306	-18.436	53.741	AVERAGE
3		0.435	9.805	39.750	49.555	-7.599	57.154	QUASIPEAK
4		0.435	9.805	29.190	38.995	-8.159	47.154	AVERAGE
5	*	0.877	9.927	40.520	50.447	-5.553	56.000	QUASIPEAK
6		0.877	9.927	28.570	38.497	-7.503	46.000	AVERAGE
7		2.185	9.962	37.580	47.542	-8.458	56.000	QUASIPEAK
8		2.185	9.962	27.550	37.512	-8.488	46.000	AVERAGE
9		6.568	10.091	28.590	38.681	-21.319	60.000	QUASIPEAK
10		6.568	10.091	20.230	30.321	-19.679	50.000	AVERAGE
11		13.420	10.134	27.860	37.994	-22.006	60.000	QUASIPEAK
12		13.420	10.134	19.170	29.304	-20.696	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 : SR3	**Time : 2015/05/21 - 20:28**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR3_LISN(16A)-4_0811 - Line2	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(40MHz)_2437MHz**

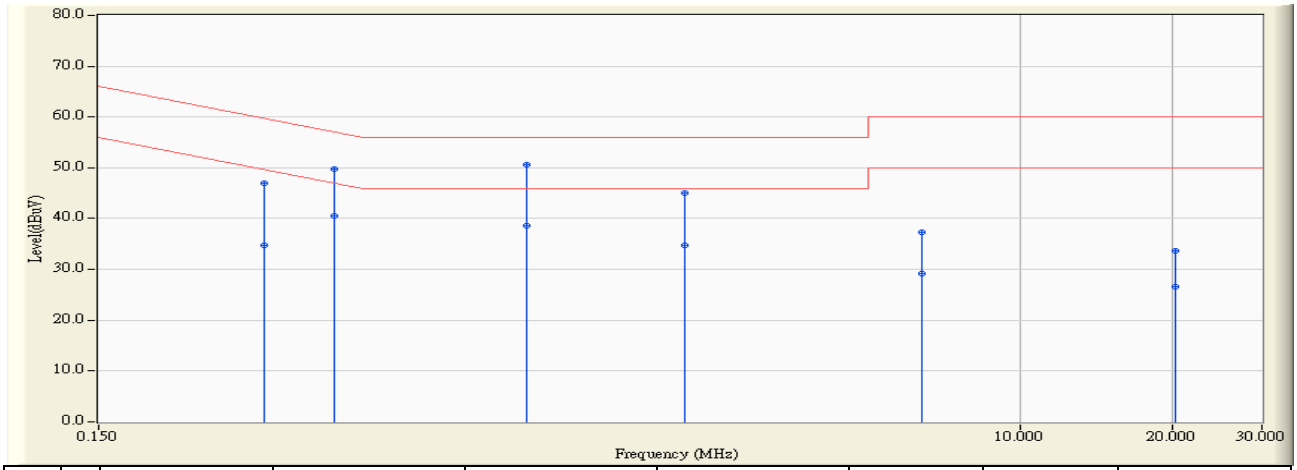


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.193	9.665	39.400	49.064	-14.843	63.908	QUASIPEAK
2		0.193	9.665	26.320	35.984	-17.923	53.908	AVERAGE
3		0.283	9.713	39.890	49.603	-11.130	60.733	QUASIPEAK
4		0.283	9.713	27.360	37.073	-13.660	50.733	AVERAGE
5		0.459	9.821	42.700	52.521	-4.197	56.718	QUASIPEAK
6		0.459	9.821	31.520	41.341	-5.377	46.718	AVERAGE
7	*	1.005	9.950	42.210	52.160	-3.840	56.000	QUASIPEAK
8		1.005	9.950	29.590	39.540	-6.460	46.000	AVERAGE
9		2.158	9.968	37.980	47.948	-8.052	56.000	QUASIPEAK
10		2.158	9.968	25.720	35.688	-10.312	46.000	AVERAGE
11		20.380	10.346	30.910	41.256	-18.744	60.000	QUASIPEAK
12		20.380	10.346	20.520	30.866	-19.134	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 : SR3	**Time : 2015/05/21 - 20:49**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR3_LISN(16A)-4_0811 - Line1	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11ac(80MHz)_5775MHz**

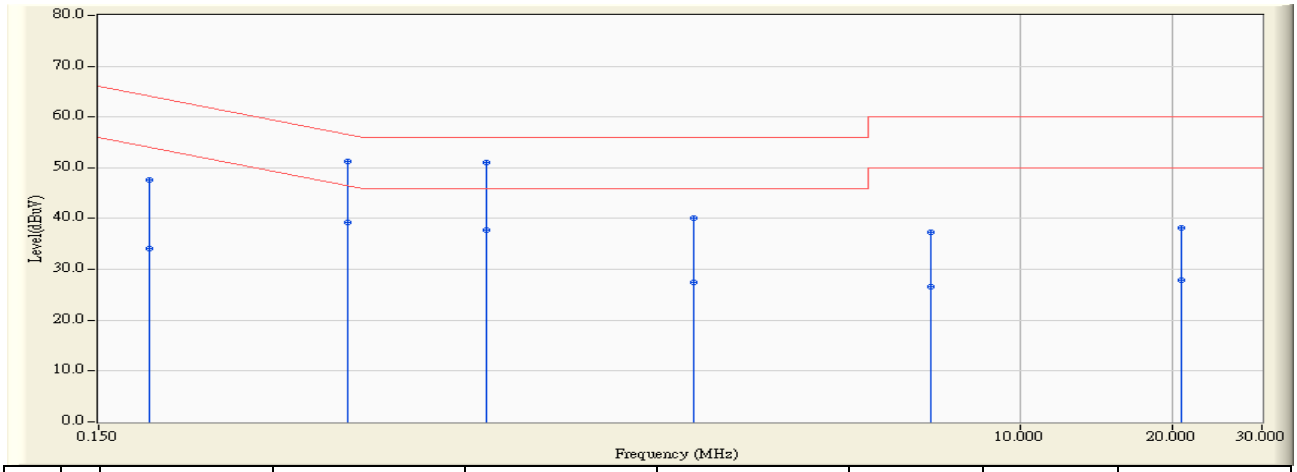


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.318	9.740	37.230	46.970	-12.790	59.760	QUASIPEAK
2		0.318	9.740	24.930	34.670	-15.090	49.760	AVERAGE
3		0.439	9.808	39.870	49.677	-7.402	57.079	QUASIPEAK
4		0.439	9.808	30.820	40.627	-6.452	47.079	AVERAGE
5	*	1.052	9.950	40.670	50.620	-5.380	56.000	QUASIPEAK
6		1.052	9.950	28.640	38.590	-7.410	46.000	AVERAGE
7		2.162	9.960	35.150	45.109	-10.891	56.000	QUASIPEAK
8		2.162	9.960	24.740	34.699	-11.301	46.000	AVERAGE
9		6.380	10.090	27.240	37.330	-22.670	60.000	QUASIPEAK
10		6.380	10.090	19.110	29.200	-20.800	50.000	AVERAGE
11		20.255	10.121	23.630	33.751	-26.249	60.000	QUASIPEAK
12		20.255	10.121	16.440	26.561	-23.439	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 : SR3	**Time : 2015/05/21 - 20:53**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR3_LISN(16A)-4_0811 - Line2	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11ac(80MHz)_5775MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.189	9.662	38.010	47.672	-16.405	64.078	QUASIPEAK
2		0.189	9.662	24.370	34.032	-20.045	54.078	AVERAGE
3		0.466	9.824	41.520	51.344	-5.234	56.578	QUASIPEAK
4		0.466	9.824	29.480	39.304	-7.274	46.578	AVERAGE
5	*	0.877	9.927	41.130	51.057	-4.943	56.000	QUASIPEAK
6		0.877	9.927	27.740	37.667	-8.333	46.000	AVERAGE
7		2.252	9.973	30.110	40.083	-15.917	56.000	QUASIPEAK
8		2.252	9.973	17.530	27.503	-18.497	46.000	AVERAGE
9		6.638	10.124	27.180	37.304	-22.696	60.000	QUASIPEAK
10		6.638	10.124	16.470	26.594	-23.406	50.000	AVERAGE
11		20.810	10.353	27.780	38.133	-21.867	60.000	QUASIPEAK
12		20.810	10.353	17.570	27.923	-22.077	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

3. Peak Power Output

3.1. Test Equipment

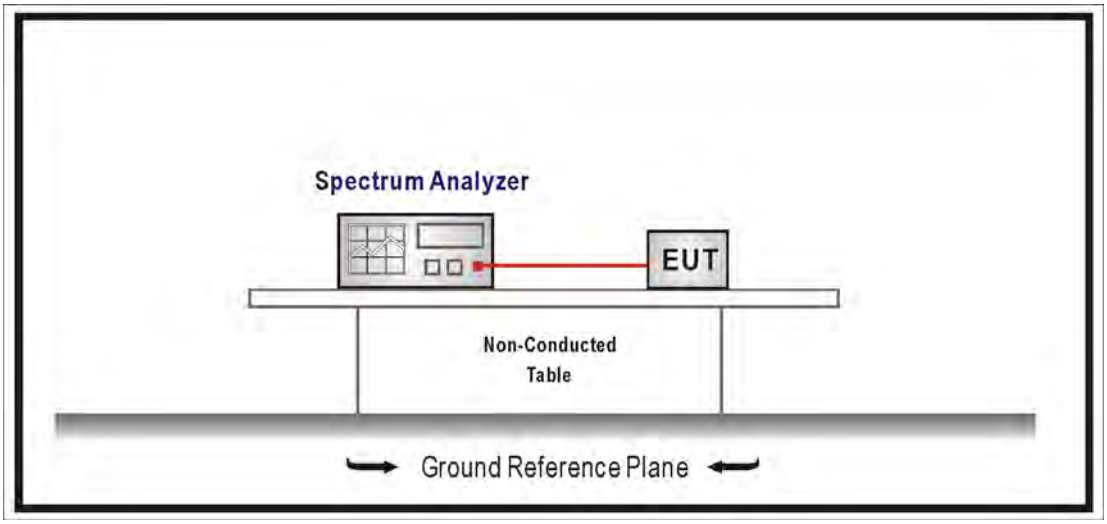
The following test equipments are used during the test:

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: 2014

3.6. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB.

3.7. Test Result

Product	Dual-band Wireless-AC750 Range Extender		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/21	Test Site	SR7

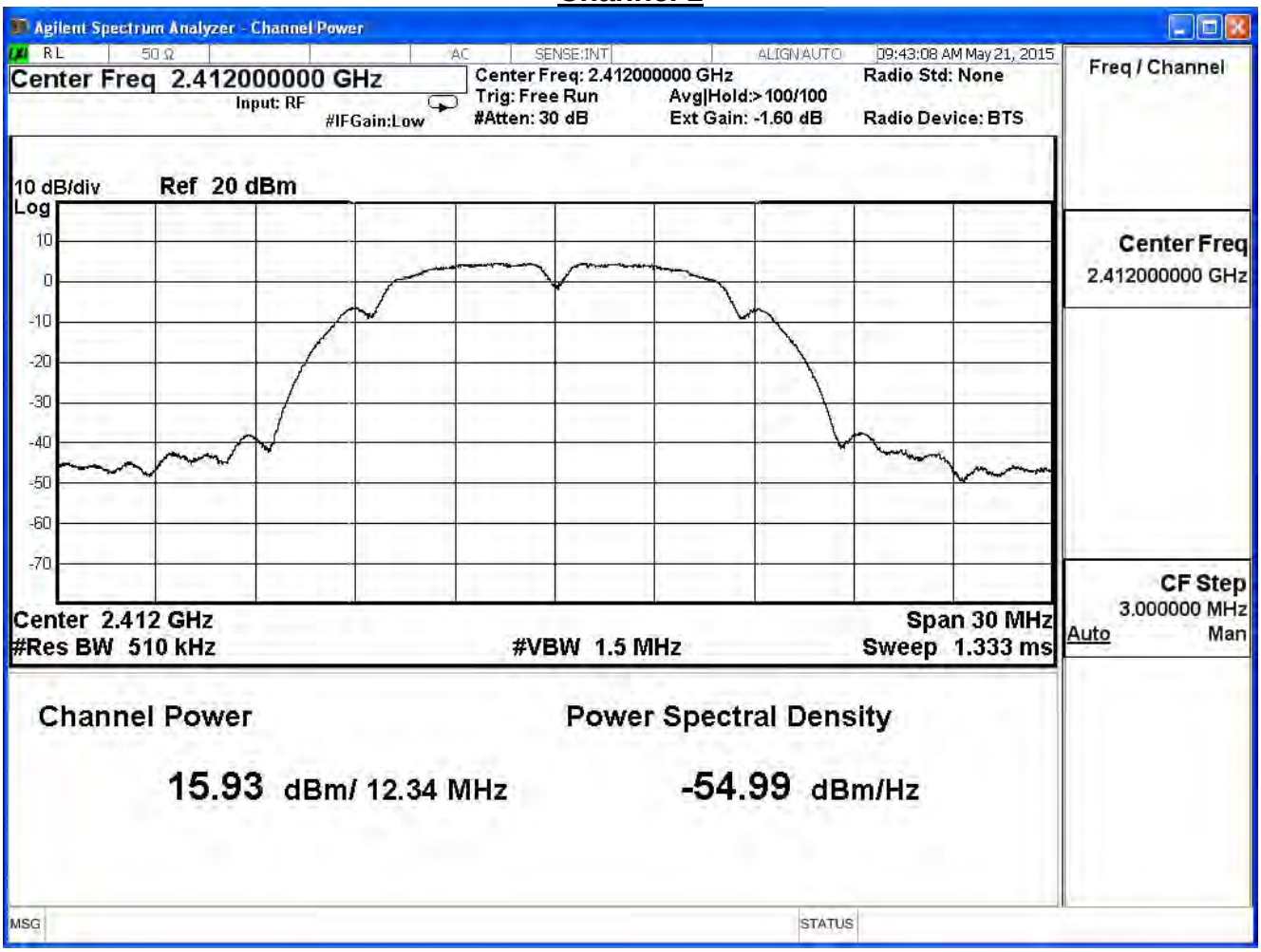
IEEE 802.11b (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	15.93	≦30	Pass
6	2437	13.65	≦30	Pass
11	2462	14.72	≦30	Pass

The worst emission of data rate is 1Mbps.

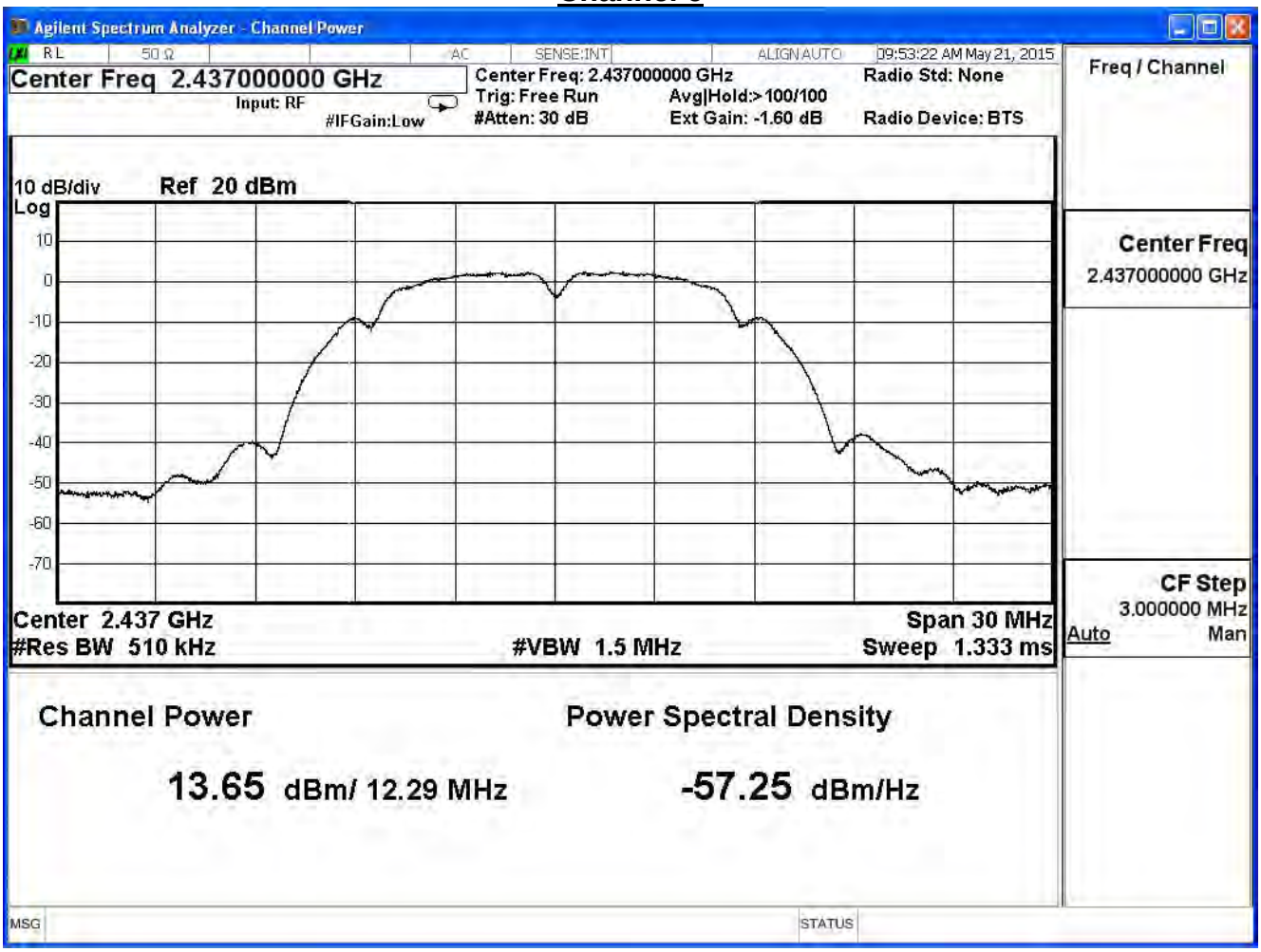
Peak Power Output (dBm)						
Channel No	Frequency (MHz)	Data Rate (Mbps)				Required Limit
		1	2	5.5	11	
1	2412	15.93	--	-- --		1 Watt=30dBm
6	2437	13.65	13.53	13.43	13.21	1 Watt=30dBm
11	2462	14.72	--	-- --		1 Watt=30dBm

Note: Measure Level =Reading value + cable loss

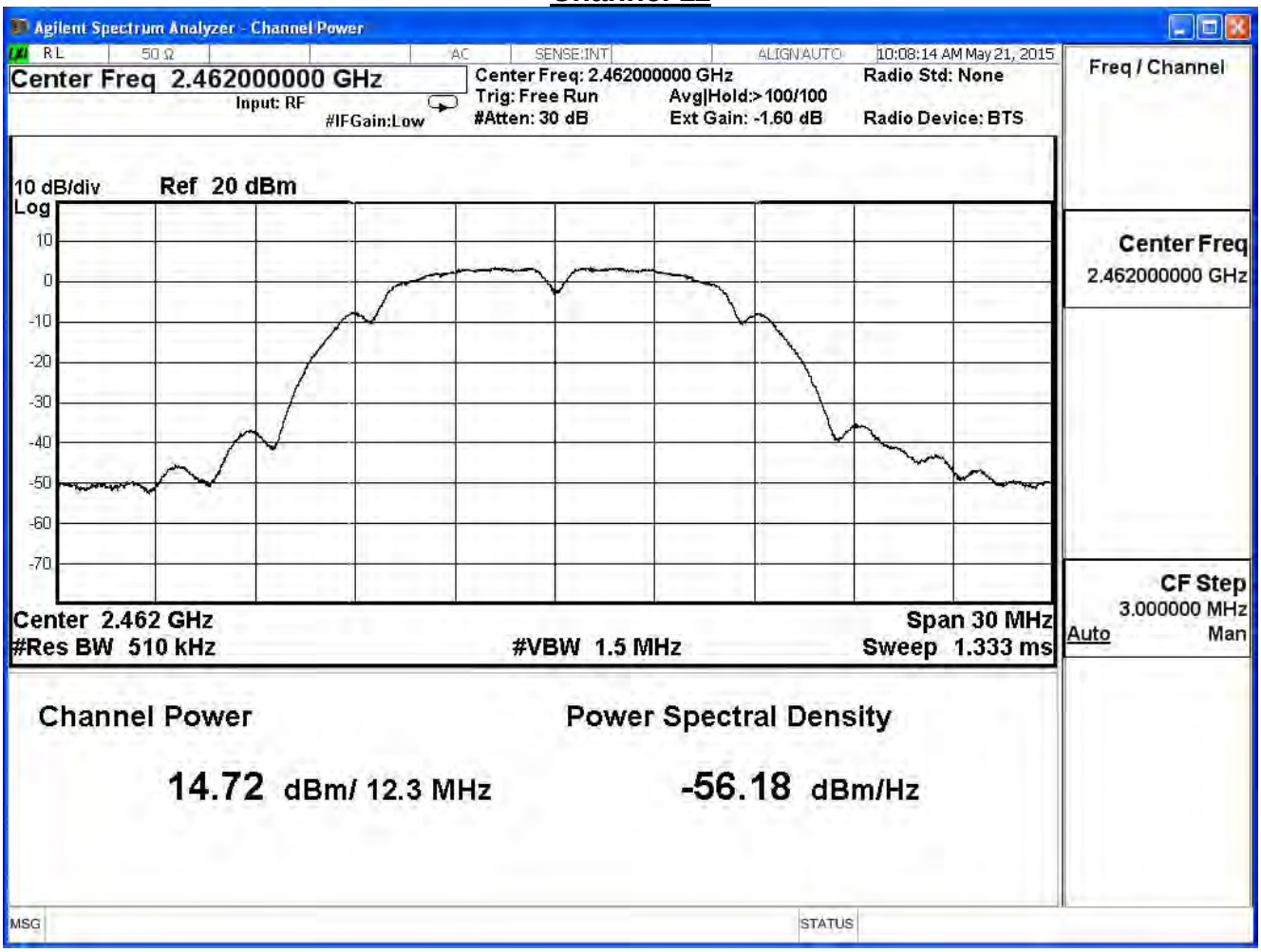
Channel 1


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:43:08 AM May 21, 2015
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: -1.60 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
2.412000000 GHz
Center 2.412 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
15.93 dBm/ 12.34 MHz
Power Spectral Density
-54.99 dBm/Hz
MSG
STATUS

Channel 6


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:53:22 AM May 21, 2015
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
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
2.437000000 GHz
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
13.65 dBm/ 12.29 MHz
Power Spectral Density
-57.25 dBm/Hz
MSG
STATUS

Channel 11


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:08:14 AM May 21, 2015
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: -1.60 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
2.462000000 GHz
Center 2.462 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
14.72 dBm/ 12.3 MHz
Power Spectral Density
-56.18 dBm/Hz
MSG
STATUS

Product	Dual-band Wireless-AC750 Range Extender		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/21	Test Site	SR7

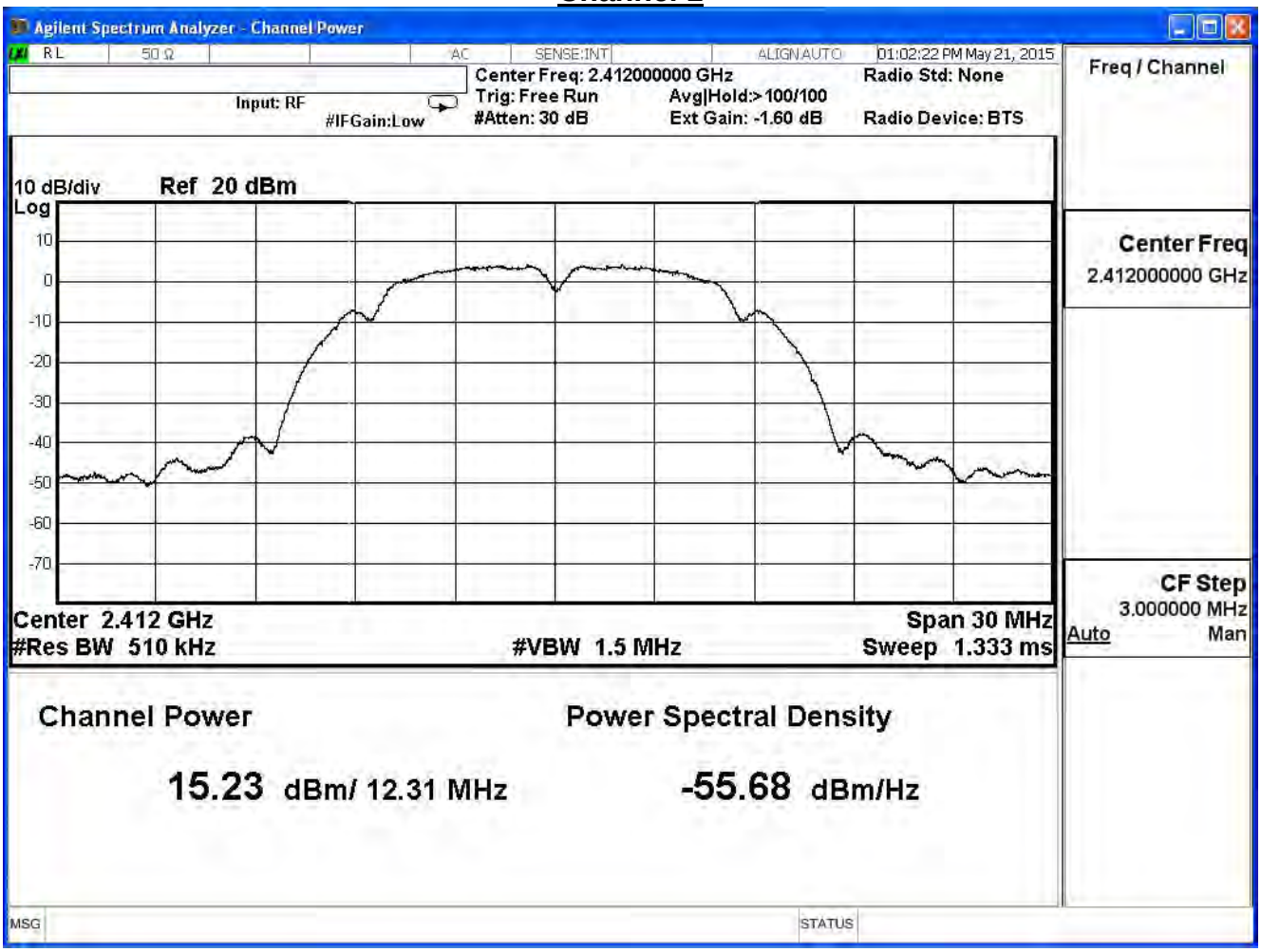
IEEE 802.11b (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	15.23	≦30	Pass
6	2437	13.24	≦30	Pass
11	2462	13.95	≦30	Pass

The worst emission of data rate is 1Mbps.

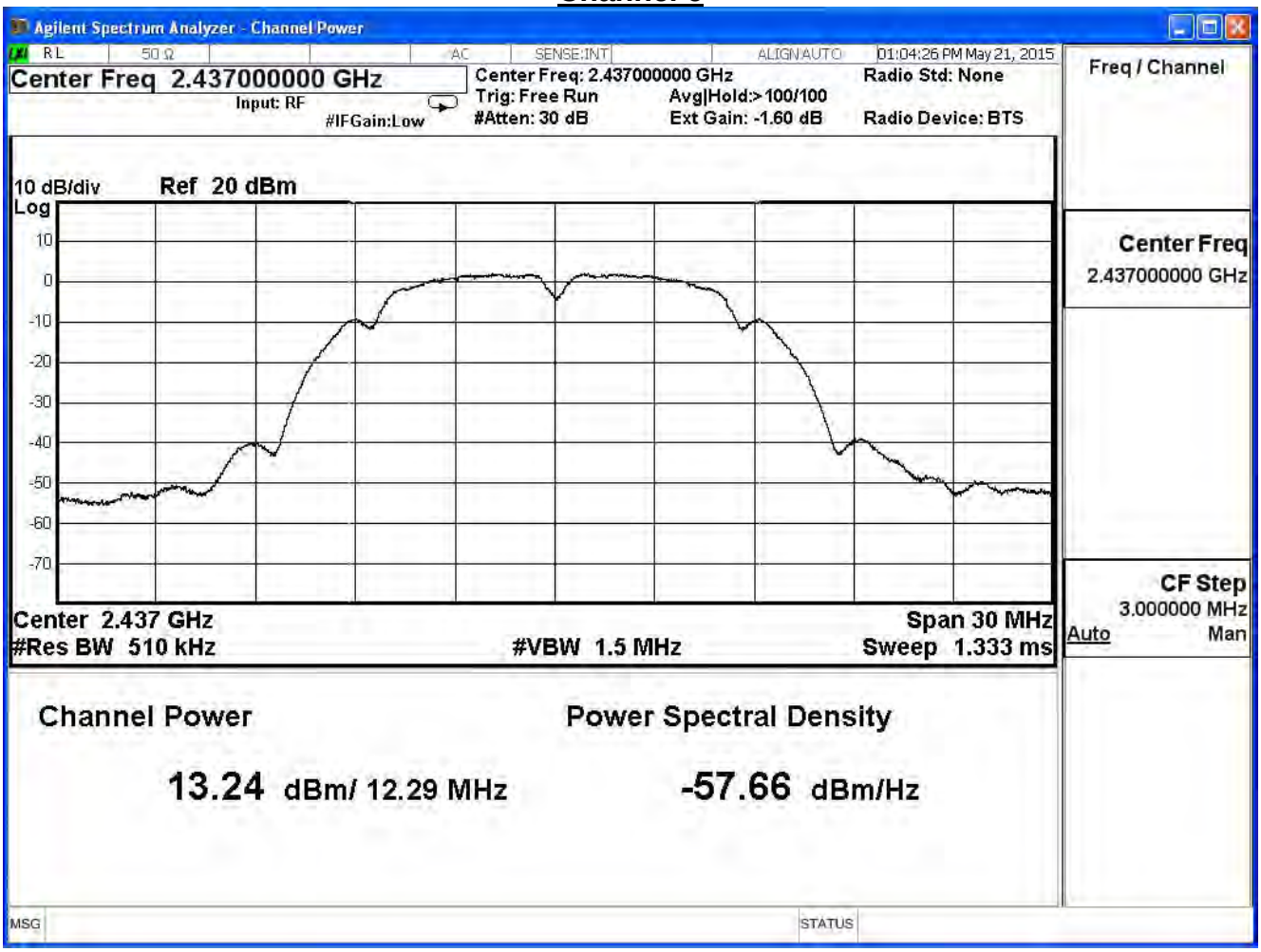
Peak Power Output (dBm)						
Channel No	Frequency (MHz)	Data Rate (Mbps)				Required Limit
		1	2	5.5	11	
1	2412	15.23	--	-- --		1 Watt=30dBm
6	2437	13.24	13.04	12.92	12.72	1 Watt=30dBm
11	2462	13.95	--	-- --		1 Watt=30dBm

Note: Measure Level =Reading value + cable loss

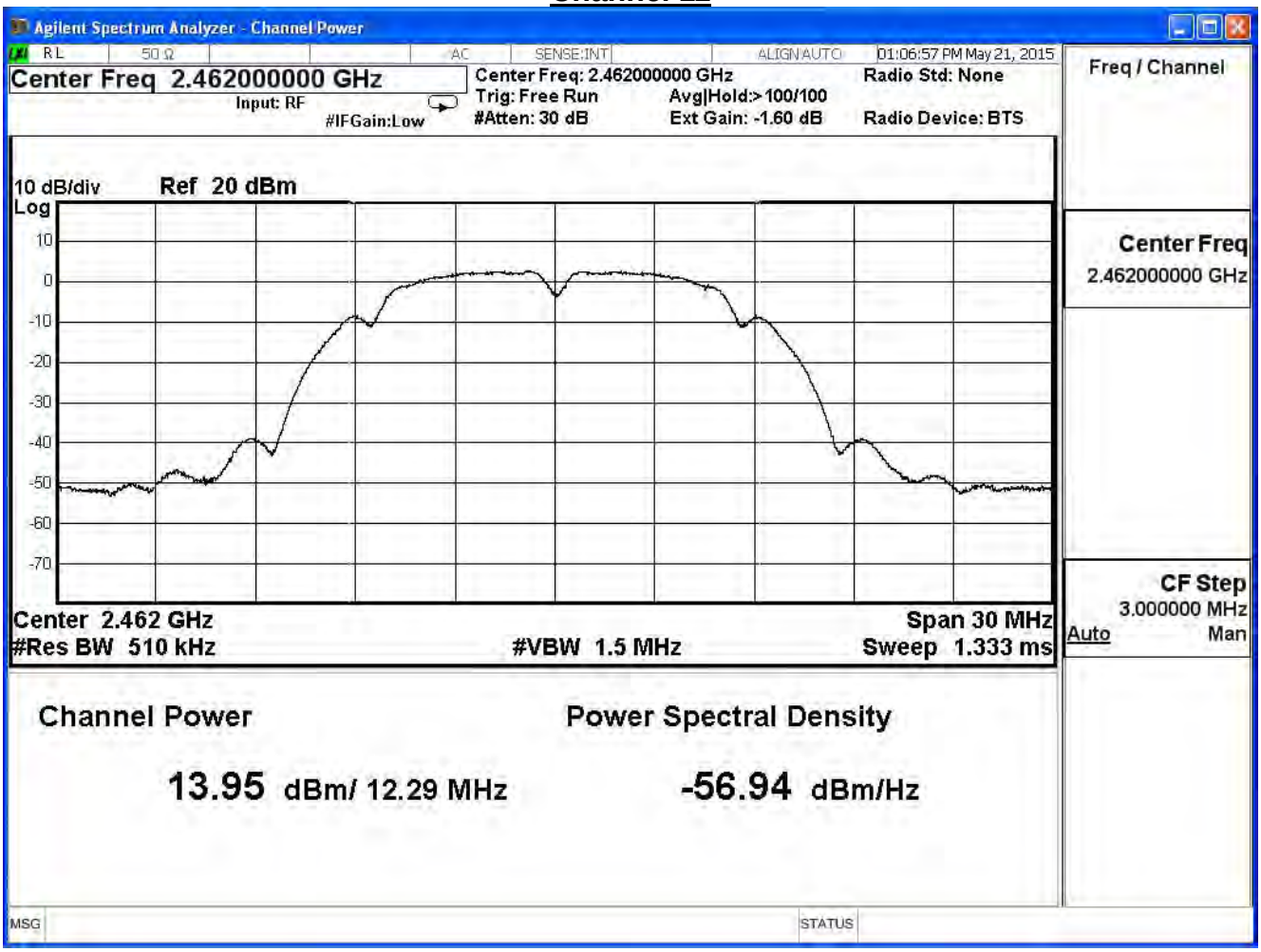
Channel 1


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
01:02:22 PM May 21, 2015
Input: RF
#IFGain:Low
Center Freq: 2.412000000 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
2.412000000 GHz
Center 2.412 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
15.23 dBm/ 12.31 MHz
Power Spectral Density
-55.68 dBm/Hz
MSG
STATUS

Channel 6


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
01:04:26 PM May 21, 2015
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: -1.60 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
2.437000000 GHz
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
13.24 dBm/ 12.29 MHz
Power Spectral Density
-57.66 dBm/Hz
MSG
STATUS

Channel 11


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
01:06:57 PM May 21, 2015
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: -1.60 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
2.462000000 GHz
Center 2.462 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
13.95 dBm/ 12.29 MHz
Power Spectral Density
-56.94 dBm/Hz
MSG
STATUS

Product	Dual-band Wireless-AC750 Range Extender		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/21	Test Site	SR7

IEEE 802.11b (ANT 0+1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	18.60	≦30	Pass
6	2437	16.46	≦30	Pass
11	2462	17.36	≦30	Pass

The worst emission of data rate is 13 Mbps.

Peak Power Output (dBm)						
Channel No	Frequency (MHz)	Data Rate (Mbps)				Required Limit
		1	2	5.5	11	
1	2412	18.60	--	-- --		1 Watt=30dBm
6	2437	16.46	16.30	16.19	15.98	1 Watt=30dBm
11	2462	17.36	--	-- --		1 Watt=30dBm

Product	Dual-band Wireless-AC750 Range Extender		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/21	Test Site	SR7

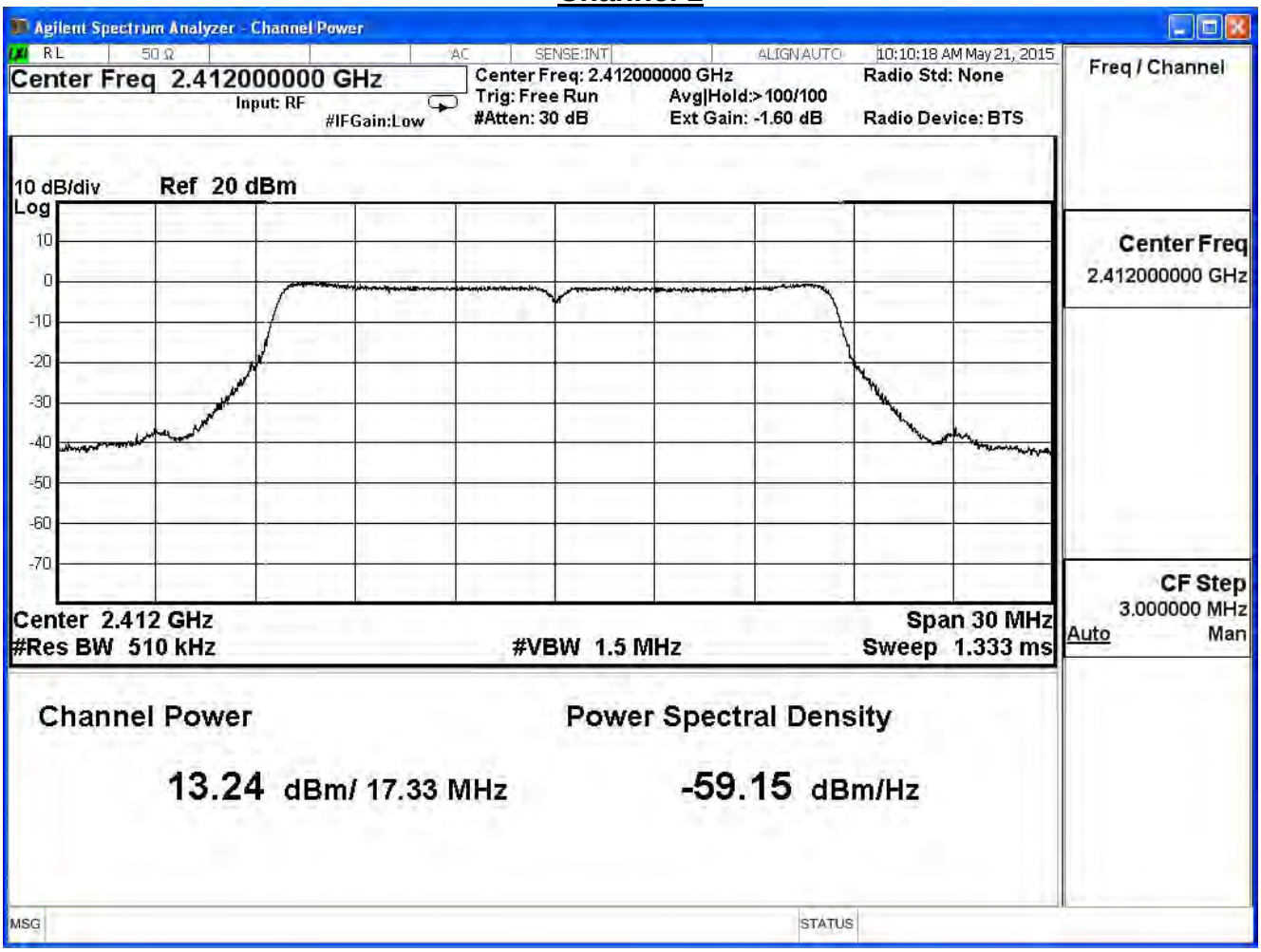
IEEE 802.11g (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	13.24	≦30	Pass
6	2437	20.04	≦30	Pass
11	2462	12.79	≦30	Pass

The worst emission of data rate is 6 Mbps.

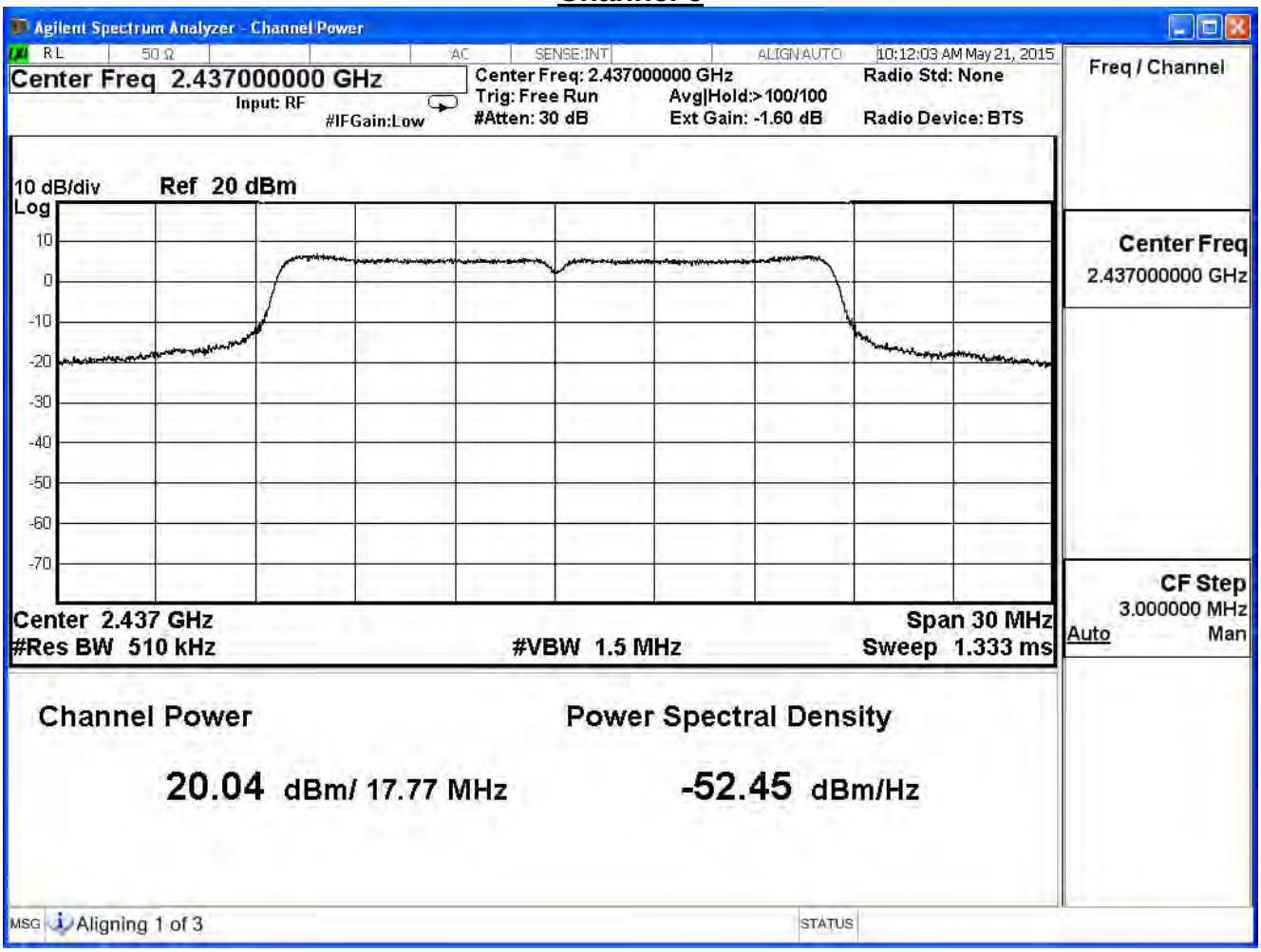
Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18 24		36	48 54		
1	2412	13.24	--	-- --		--	-- --		1 Watt=30dBm
6	2437	20.04	19.80	19.70	19.59	19.46	19.22	19.10	1 Watt=30dBm
11	2462	12.79	--	-- --		--	-- --		1 Watt=30dBm

Note: Measure Level =Reading value + cable loss

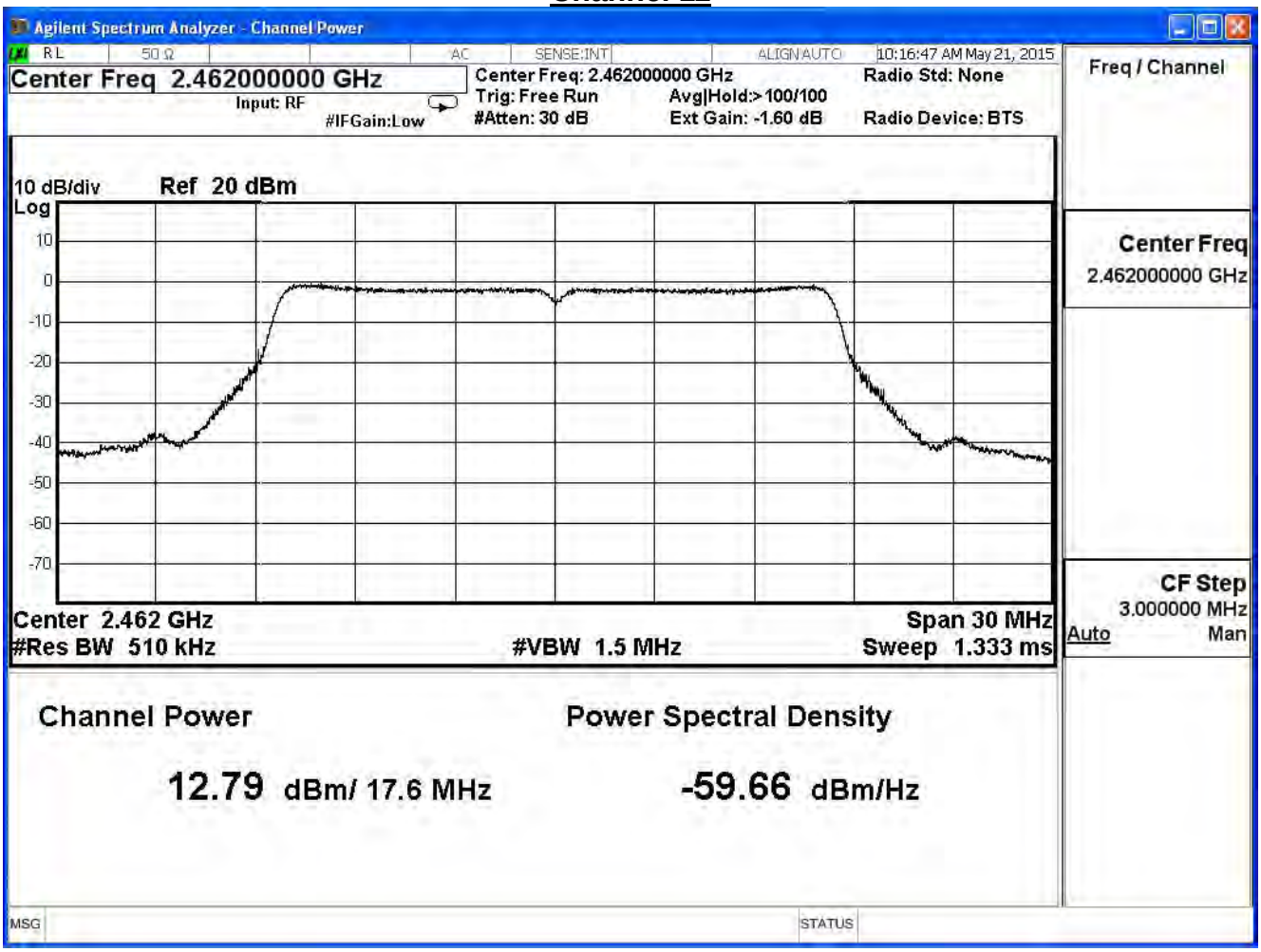
Channel 1


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:10:18 AM May 21, 2015
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: -1.60 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
2.412000000 GHz
Center 2.412 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
13.24 dBm/ 17.33 MHz
Power Spectral Density
-59.15 dBm/Hz
MSG
STATUS

Channel 6


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:12:03 AM May 21, 2015
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: -1.60 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
2.437000000 GHz
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
20.04 dBm/ 17.77 MHz
Power Spectral Density
-52.45 dBm/Hz
MSG
Aligning 1 of 3
STATUS

Channel 11


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:16:47 AM May 21, 2015
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: -1.60 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
2.462000000 GHz
Center 2.462 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
12.79 dBm/ 17.6 MHz
Power Spectral Density
-59.66 dBm/Hz
MSG
STATUS

Product	Dual-band Wireless-AC750 Range Extender		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/21	Test Site	SR7

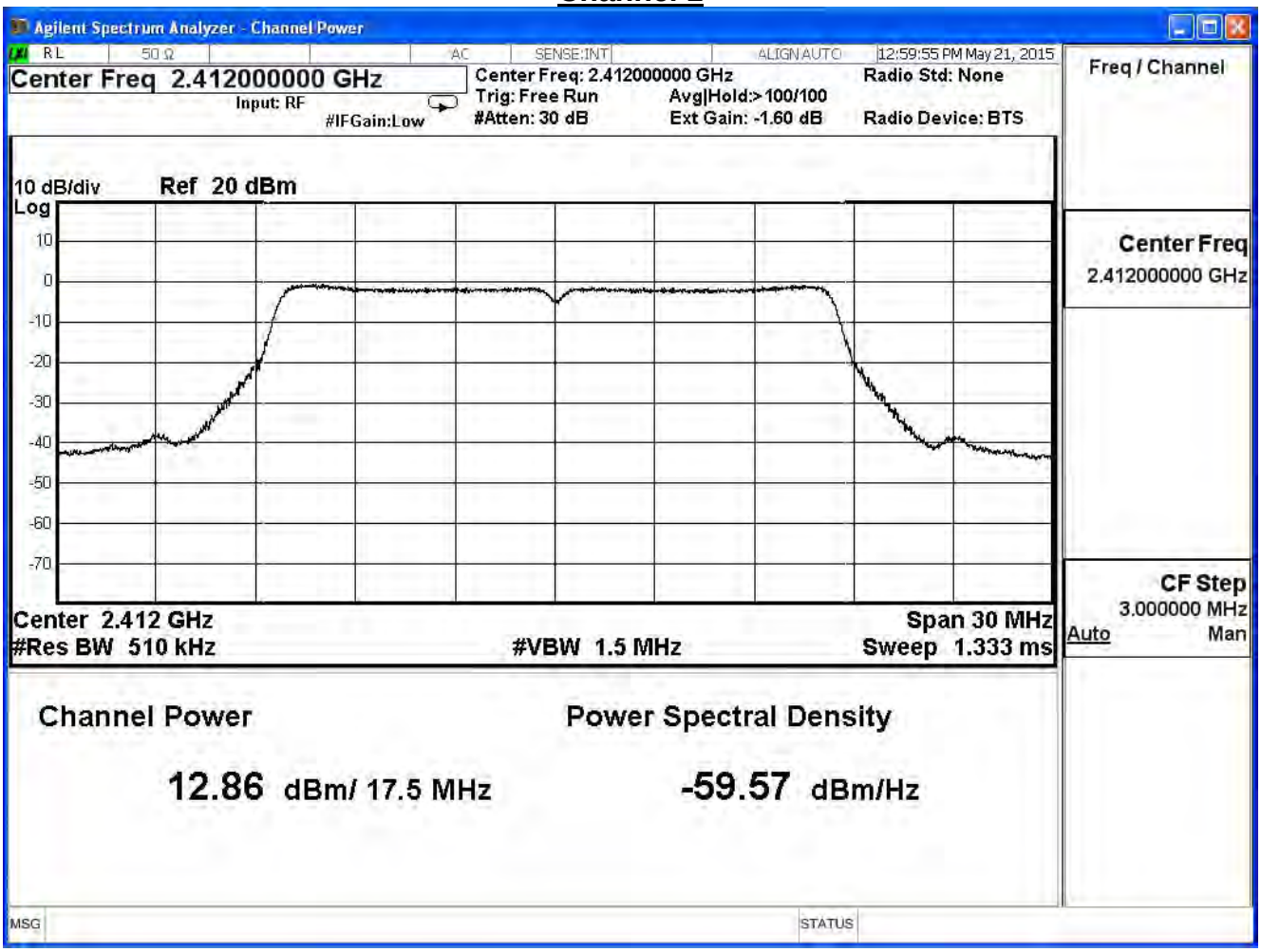
IEEE 802.11g (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	12.86	≦30	Pass
6	2437	19.93	≦30	Pass
11	2462	11.84	≦30	Pass

The worst emission of data rate is 6 Mbps.

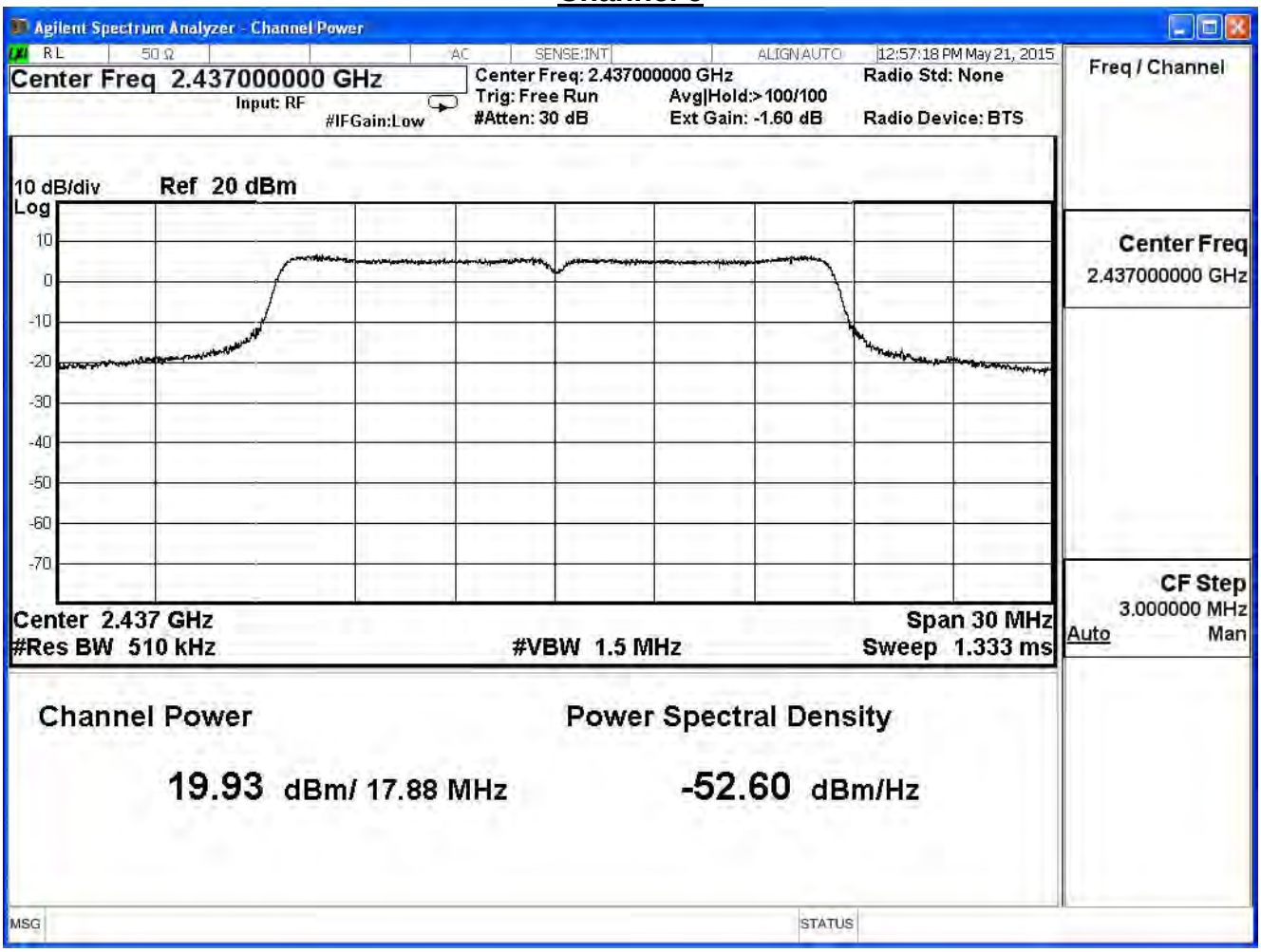
Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18 24		36	48 54		
1	2412	12.86	--	-- --		--	-- --		1 Watt=30dBm
6	2437	19.93	19.73	19.49	19.29	19.17	19.05	18.93	1 Watt=30dBm
11	2462	11.84	--	-- --		--	-- --		1 Watt=30dBm

Note: Measure Level =Reading value + cable loss

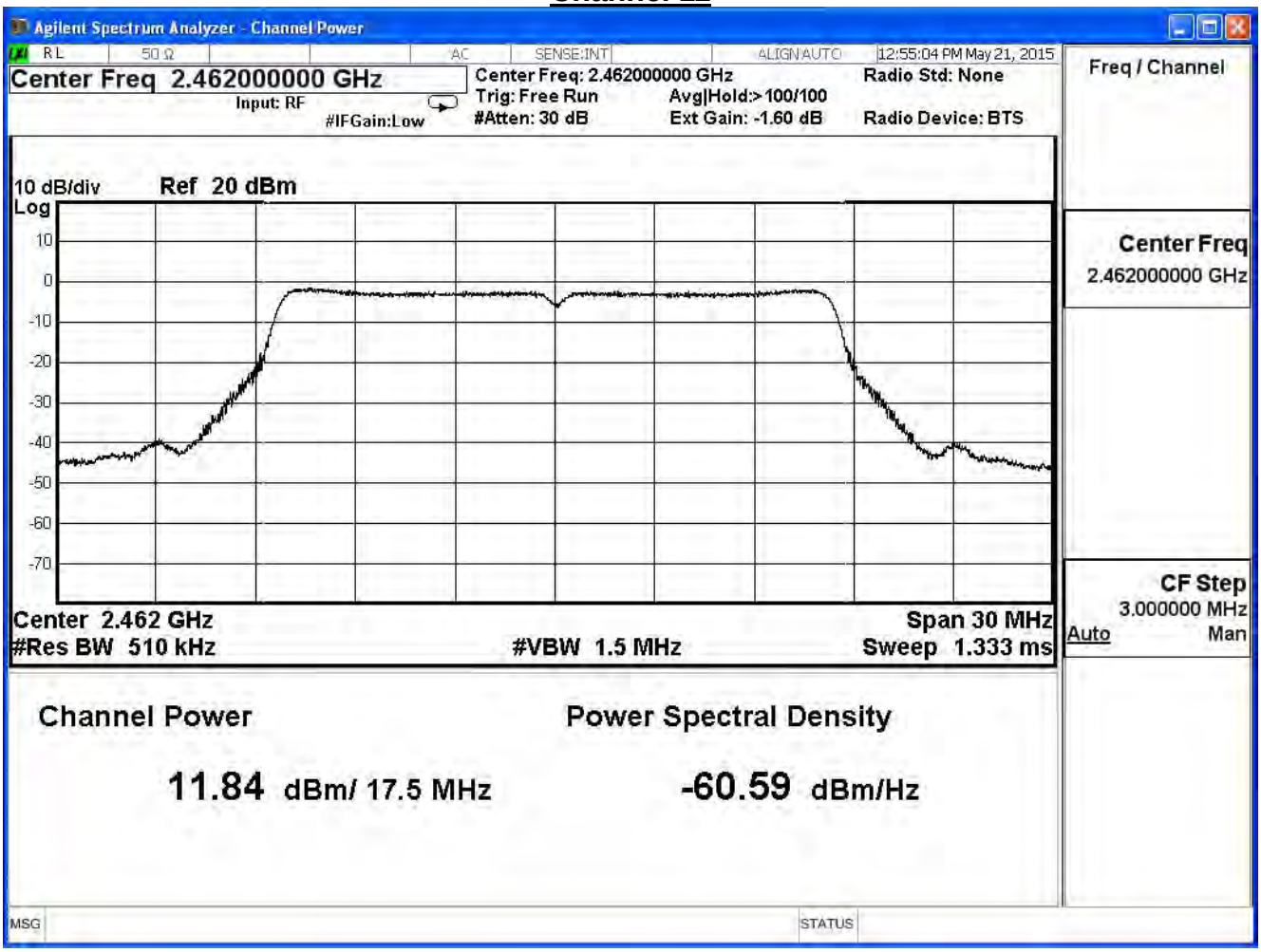
Channel 1


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
12:59:55 PM May 21, 2015
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: -1.60 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
2.412000000 GHz
Center 2.412 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
12.86 dBm/ 17.5 MHz
Power Spectral Density
-59.57 dBm/Hz
MSG
STATUS

Channel 6


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
12:57:18 PM May 21, 2015
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: -1.60 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
2.437000000 GHz
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
19.93 dBm/ 17.88 MHz
Power Spectral Density
-52.60 dBm/Hz
MSG
STATUS

Channel 11


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
12:55:04 PM May 21, 2015
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: -1.60 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
2.462000000 GHz
Center 2.462 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
11.84 dBm/ 17.5 MHz
Power Spectral Density
-60.59 dBm/Hz
MSG
STATUS

Product	Dual-band Wireless-AC750 Range Extender		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/21	Test Site	SR7

IEEE 802.11g (ANT 0+1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	16.06	≦30	Pass
6	2437	23.00	≦30	Pass
11	2462	15.35	≦30	Pass

The worst emission of data rate is 13 Mbps.

Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		13	26	39	52	78	104	117	130	
1	2412	16.06	--	--	--	--	--	--	16.06	30dBm
6	2437	23.00	22.78	22.61	22.45	22.33	22.15	22.03	23.00	30dBm
11	2462	15.35	--	--	--	--	--	--	15.35	30dBm

Product	Dual-band Wireless-AC750 Range Extender		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/21	Test Site	SR7

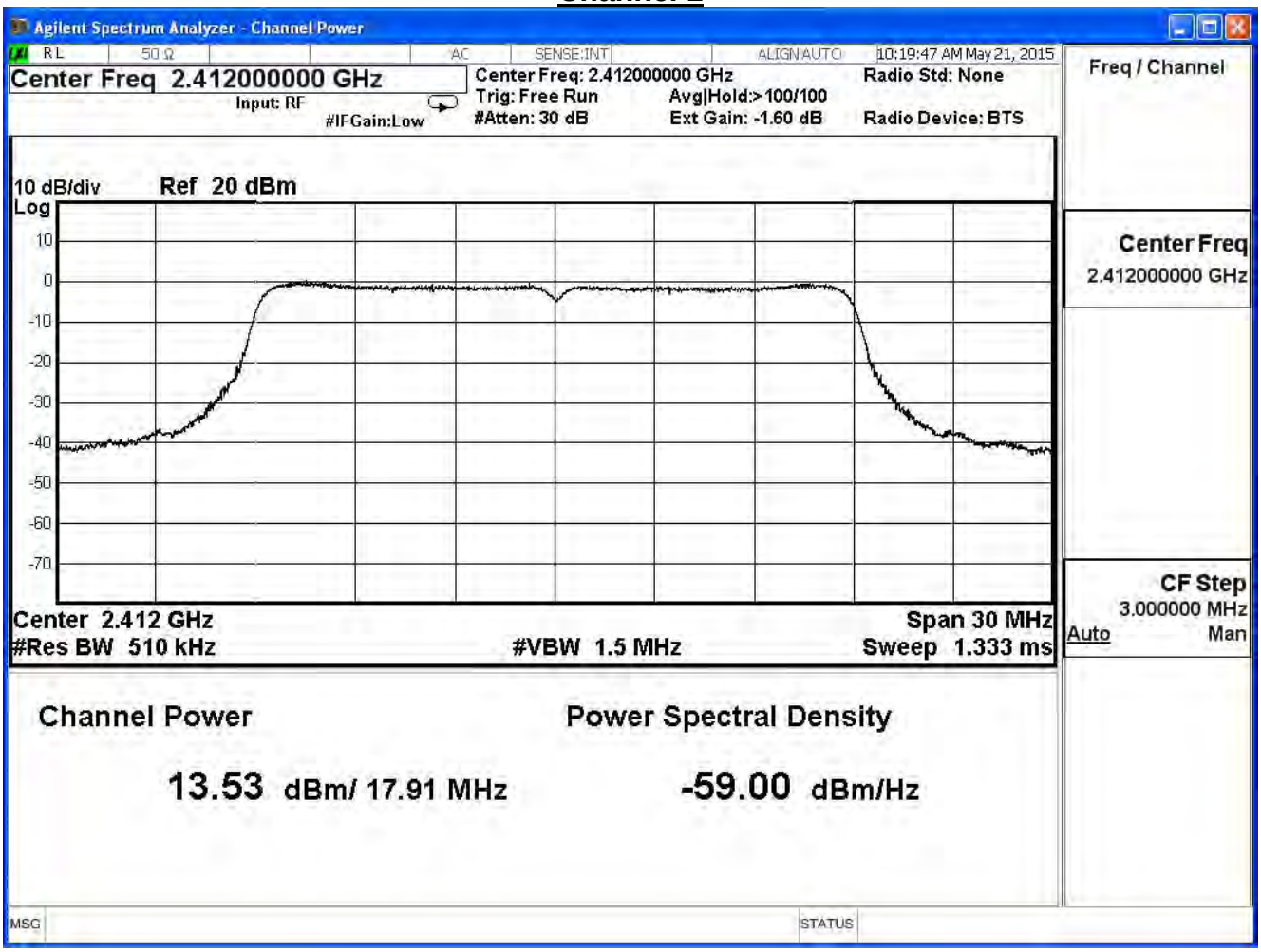
IEEE 802.11n 20MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	13.53	≦30	Pass
6	2437	19.70	≦30	Pass
11	2462	13.40	≦30	Pass

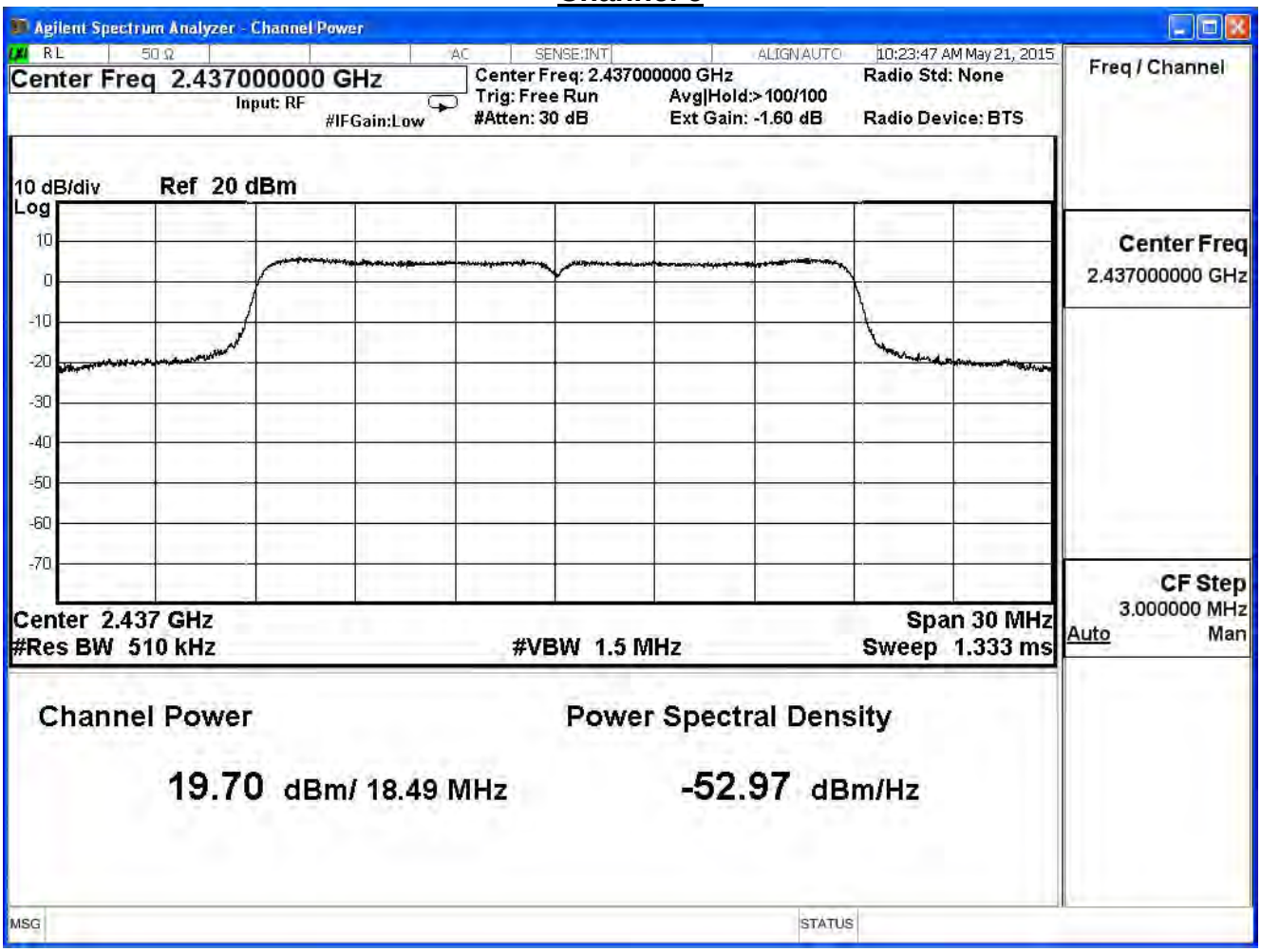
The worst emission of data rate is 19.5 Mbps.

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	13.53	--	--	--	--	-- --		--	1Watt=30dBm
6	2437	19.70	19.58	19.48	19.37	19.24	19.12	18.88	18.77	1Watt=30dBm
11	2462	13.40	--	--	--	--	-- --		--	1Watt=30dBm

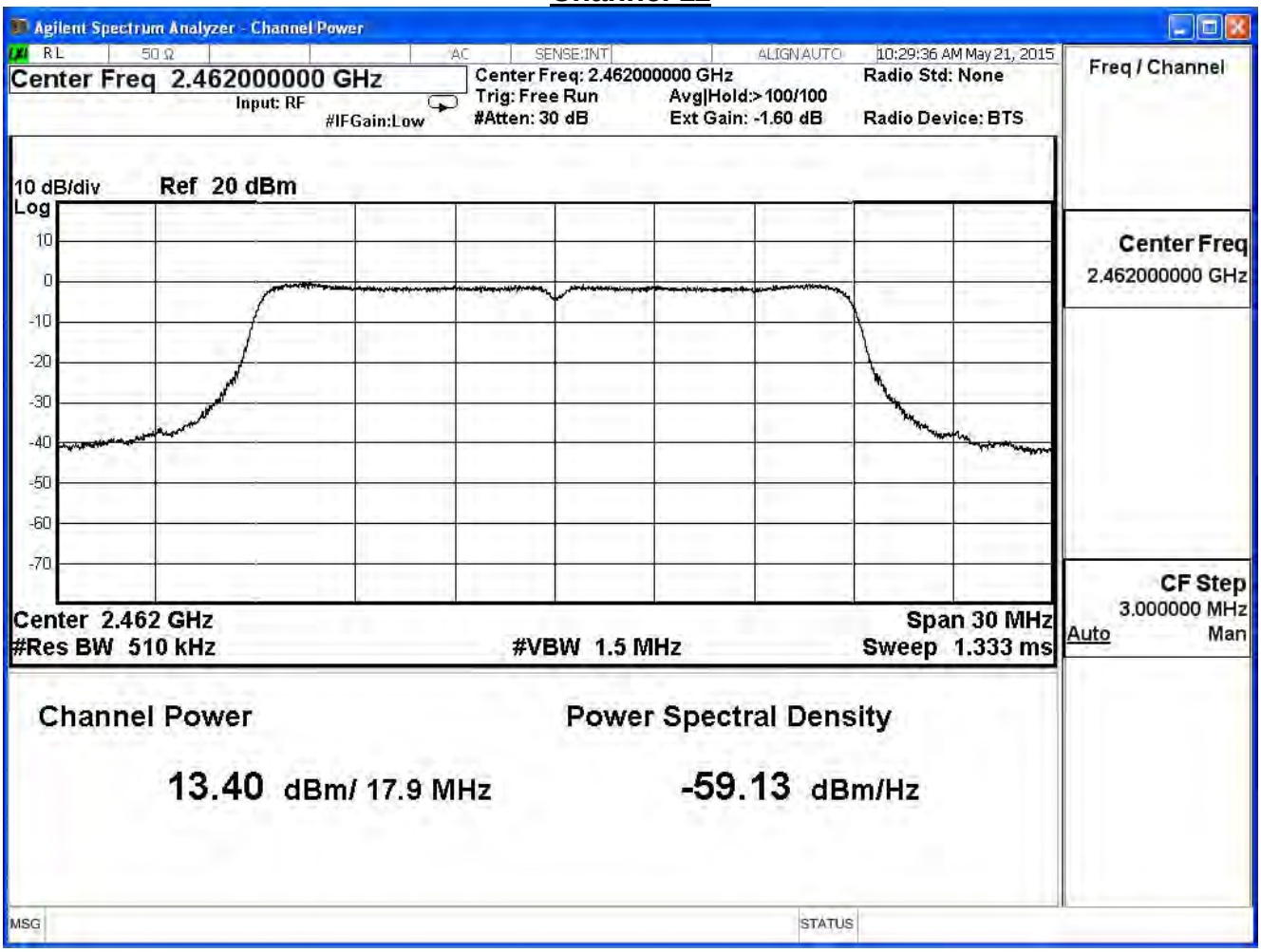
Channel 1


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:19:47 AM May 21, 2015
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: -1.60 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
2.412000000 GHz
Center 2.412 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
13.53 dBm/ 17.91 MHz
Power Spectral Density
-59.00 dBm/Hz
MSG
STATUS

Channel 6


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:23:47 AM May 21, 2015
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: -1.60 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
2.437000000 GHz
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
19.70 dBm/ 18.49 MHz
Power Spectral Density
-52.97 dBm/Hz
MSG
STATUS

Channel 11


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:29:36 AM May 21, 2015
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: -1.60 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
2.462000000 GHz
Center 2.462 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
13.40 dBm/ 17.9 MHz
Power Spectral Density
-59.13 dBm/Hz
MSG
STATUS

Product	Dual-band Wireless-AC750 Range Extender		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/21	Test Site	SR7

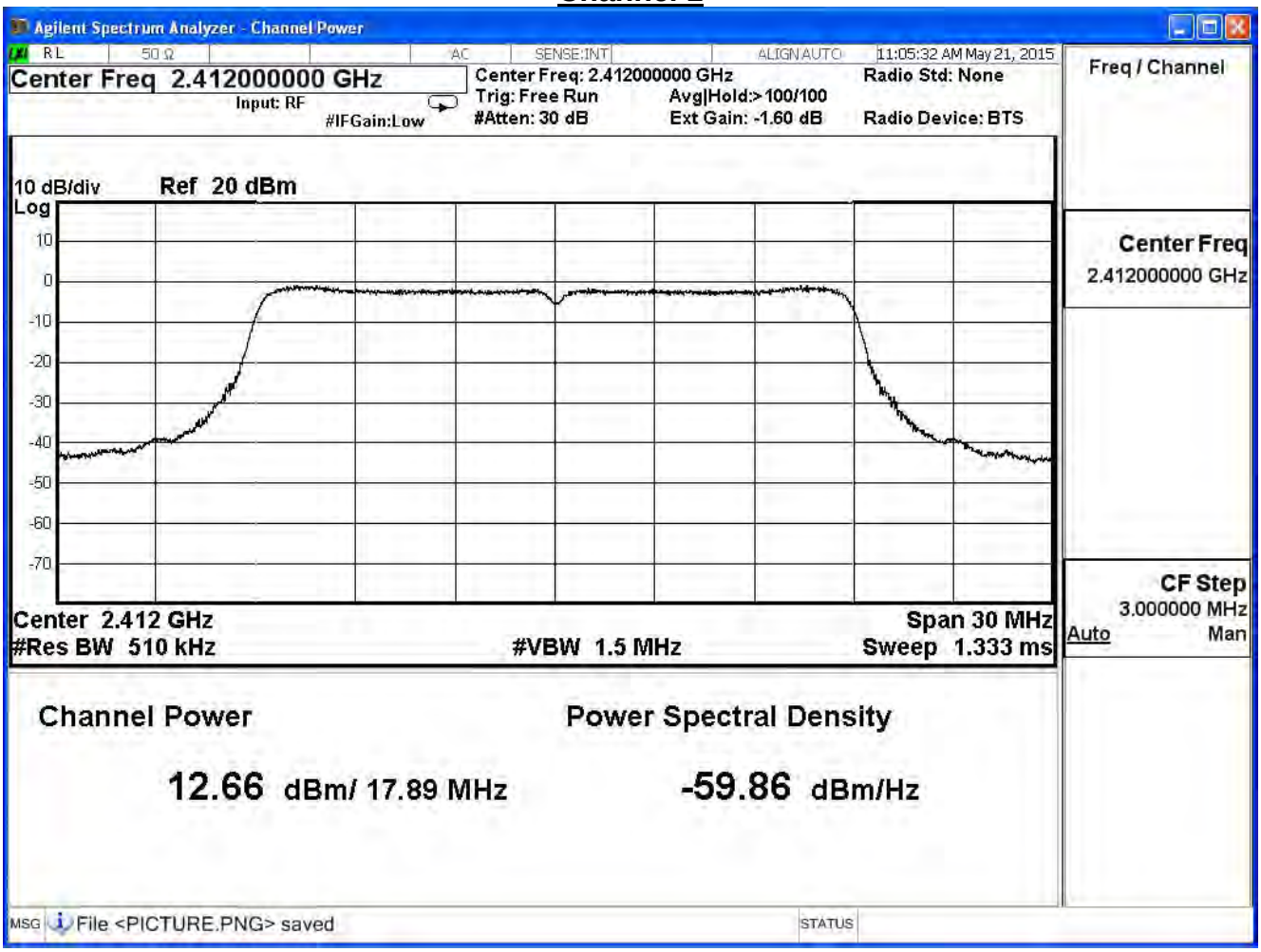
IEEE 802.11n 20MHz (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	12.66	≦30	Pass
6	2437	19.49	≦30	Pass
11	2462	12.89	≦30	Pass

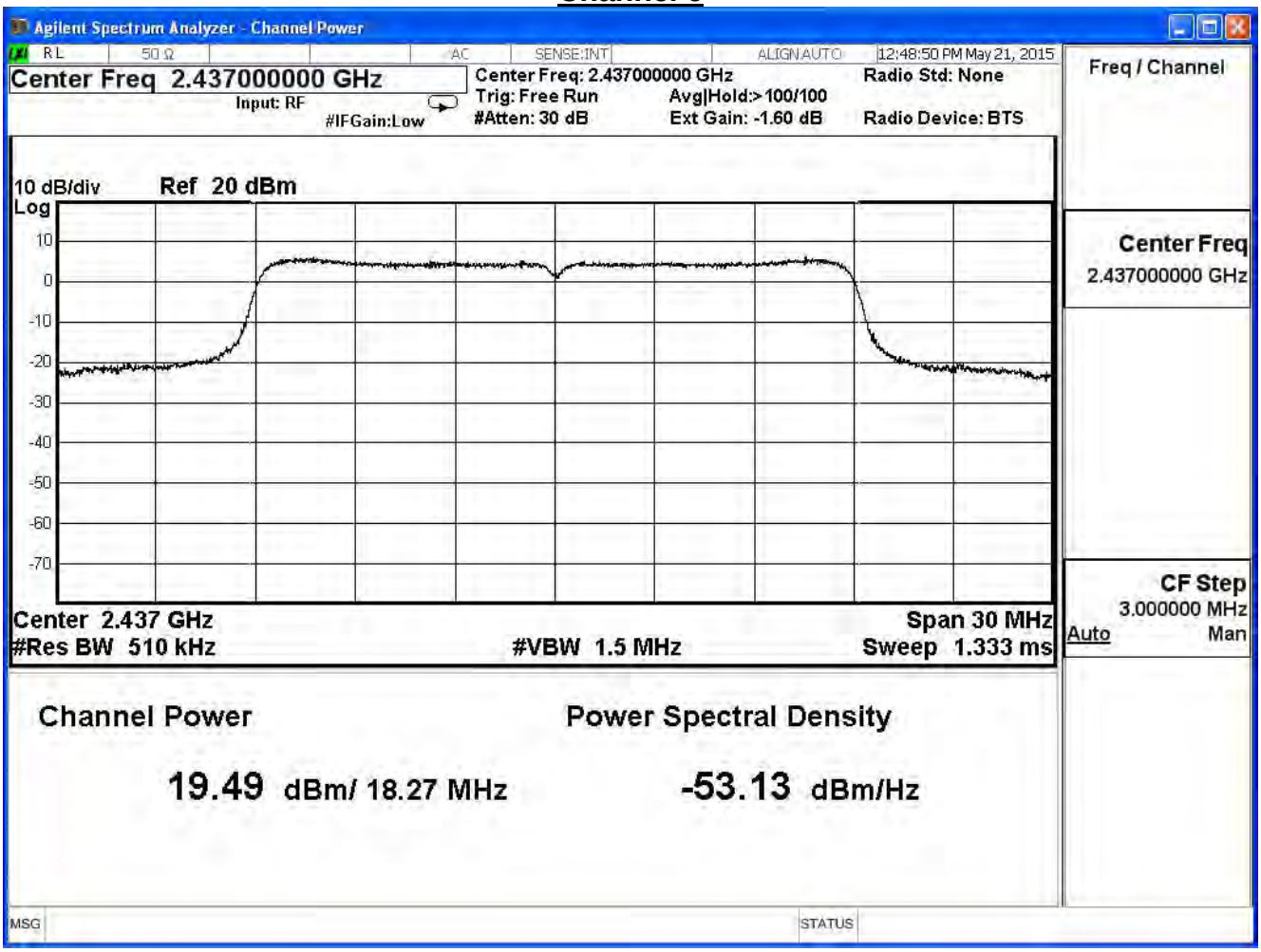
The worst emission of data rate is 19.5 Mbps.

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	12.66	--	--	--	--	-- --		--	1Watt=30dBm
6	2437	19.49	19.39	19.27	19.07	18.95	18.71	18.59	18.46	1Watt=30dBm
11	2462	12.89	--	--	--	--	-- --		--	1Watt=30dBm

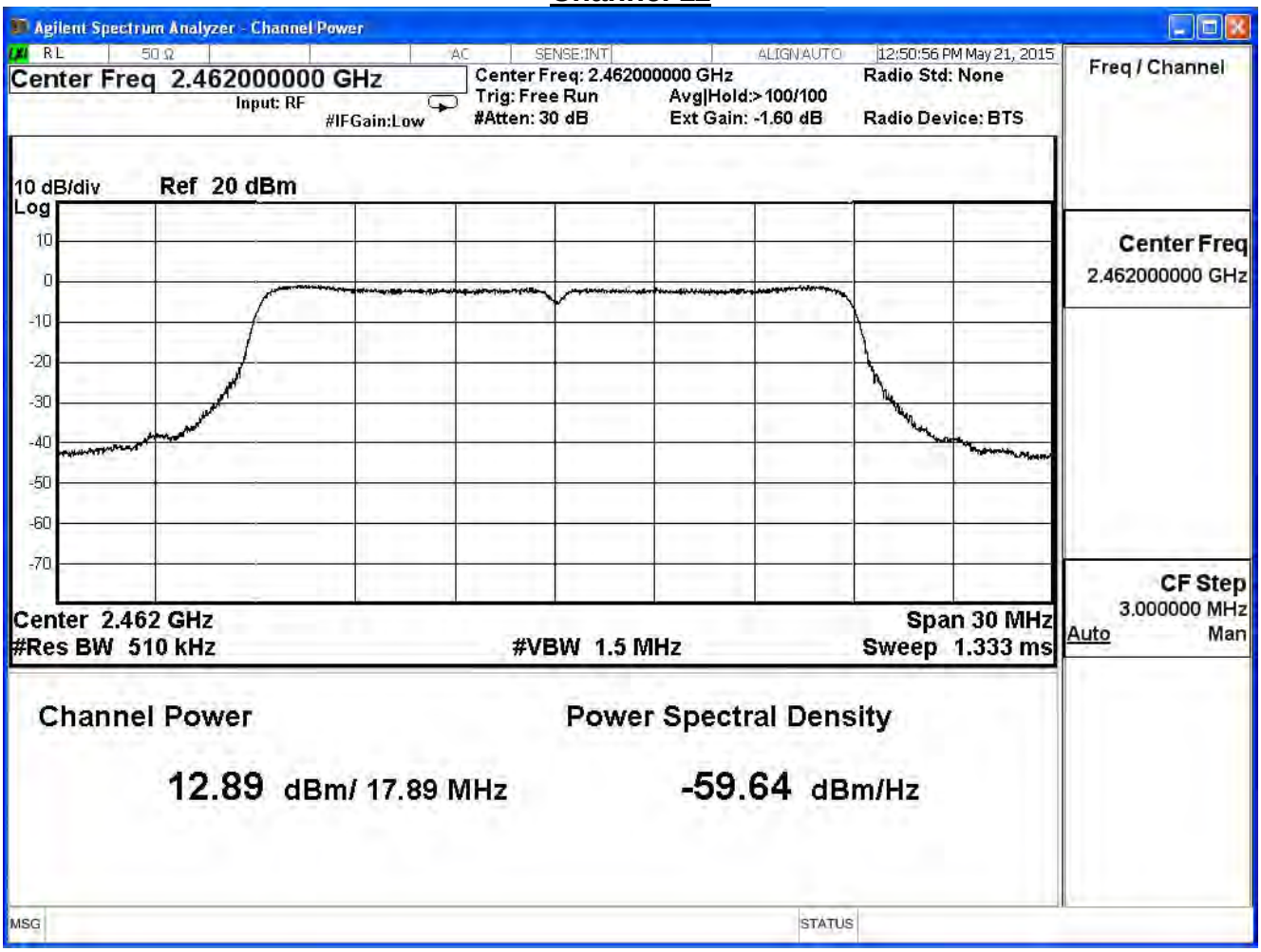
Channel 1


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
11:05:32 AM May 21, 2015
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: -1.60 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
2.412000000 GHz
Center 2.412 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
12.66 dBm/ 17.89 MHz
Power Spectral Density
-59.86 dBm/Hz
MSG
File <PICTURE.PNG> saved
STATUS

Channel 6


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
12:48:50 PM May 21, 2015
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: -1.60 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
2.437000000 GHz
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
19.49 dBm/ 18.27 MHz
Power Spectral Density
-53.13 dBm/Hz
MSG
STATUS

Channel 11


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
12:50:56 PM May 21, 2015
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: -1.60 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
2.462000000 GHz
Center 2.462 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
12.89 dBm/ 17.89 MHz
Power Spectral Density
-59.64 dBm/Hz
MSG
STATUS

Product	Dual-band Wireless-AC750 Range Extender		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/21	Test Site	SR7

IEEE 802.11n 20MHz (ANT 0+1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	16.13	≦30	Pass
6	2437	22.61	≦30	Pass
11	2462	16.16	≦30	Pass

The worst emission of data rate is 13 Mbps.

Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13 14		15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		13	26	39 52		78	104	117	130	
1	2412	16.13	--	-- --		--	-- --		--	30dBm
6	2437	22.61	22.50	22.39	22.23	22.11	21.93	21.75	21.63	30dBm
11	2462	16.16	--	-- --		--	-- --		--	30dBm

Product	Dual-band Wireless-AC750 Range Extender		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/21	Test Site	SR7

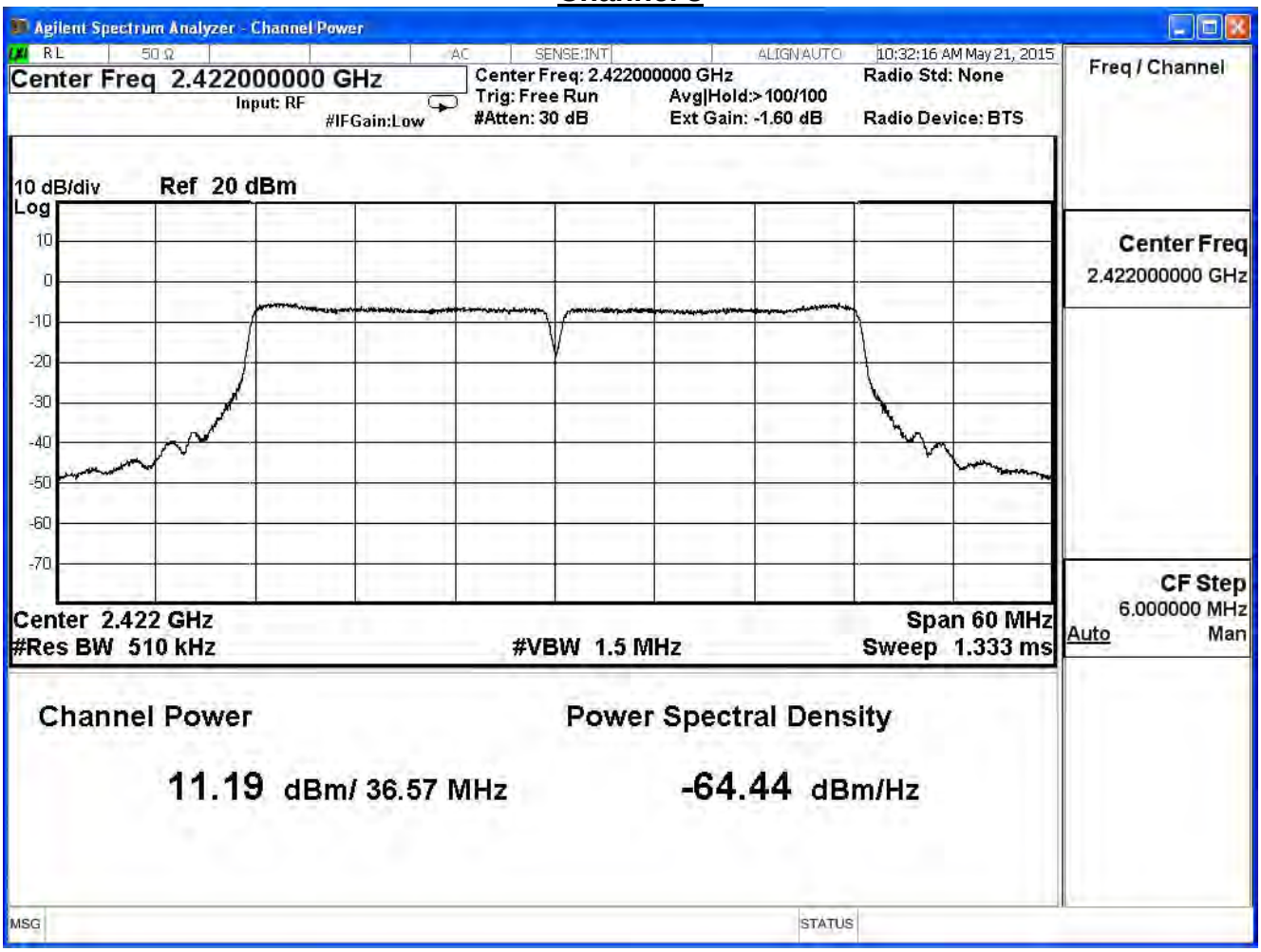
IEEE802.11n 40MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	11.19	≦30	Pass
6	2437	16.32	≦30	Pass
9	2452	11.00	≦30	Pass

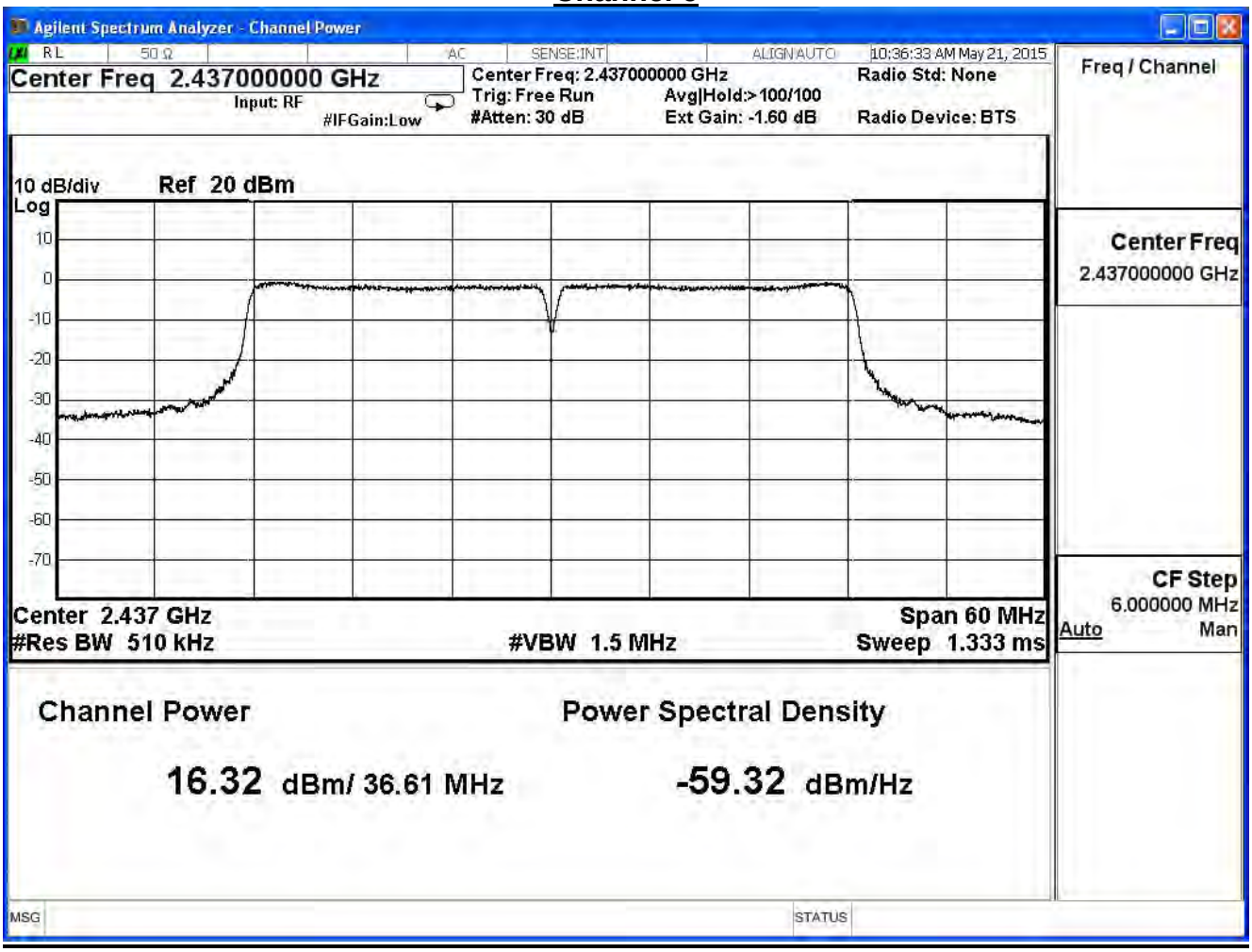
The worst emission of data rate is 13.5 Mbps.

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	11.19	--	--	--	--	--	-- --		1Watt=30dBm
6	2437	16.32	16.12	16.01	15.81	15.61	15.37	15.11	14.87	1Watt=30dBm
9	2452	11.00	--	--	--	--	--	-- --		1Watt=30dBm

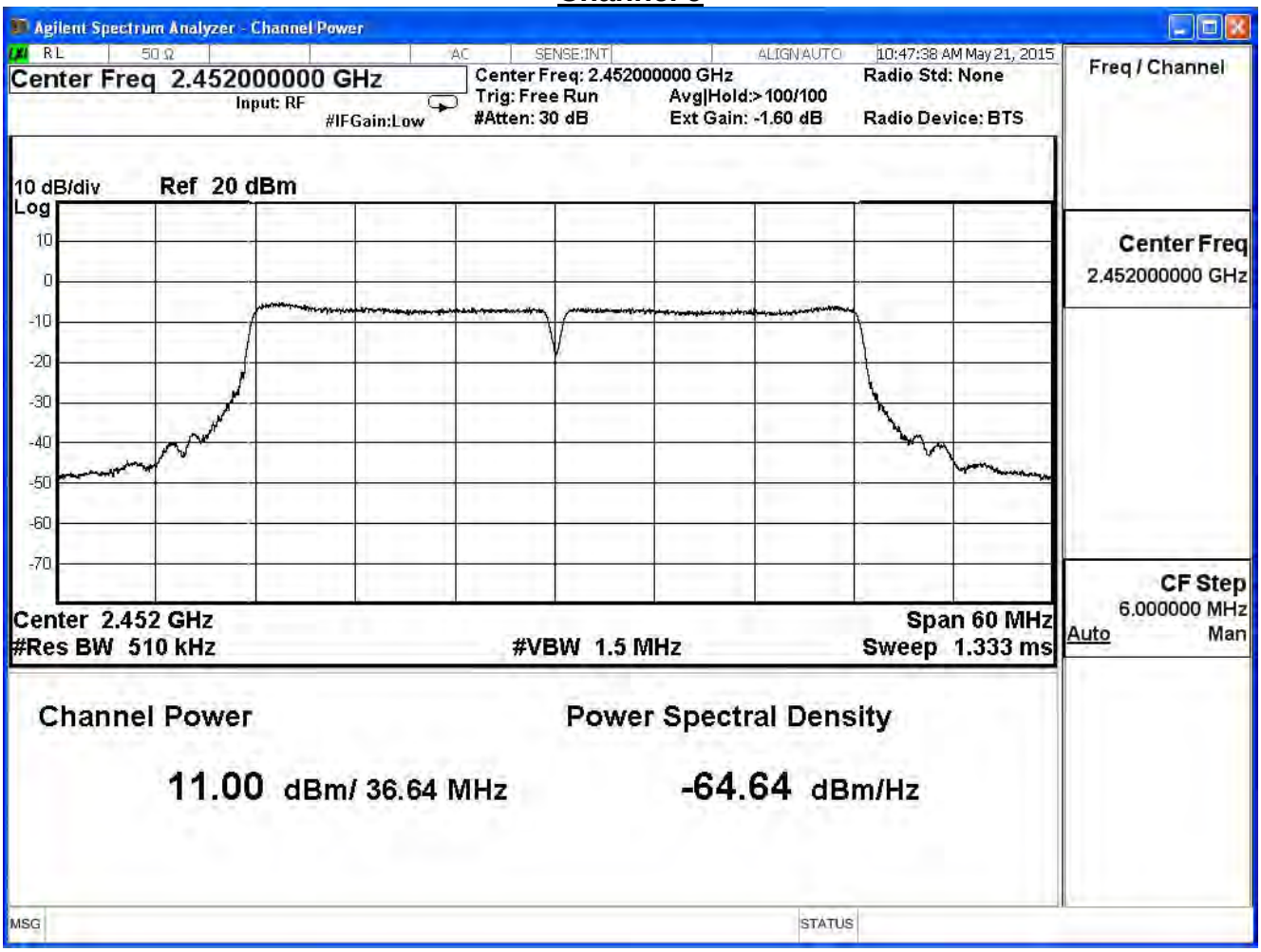
Channel 3


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:32:16 AM May 21, 2015
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: -1.60 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
2.422000000 GHz
Center 2.422 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 60 MHz
Sweep 1.333 ms
CF Step
6.000000 MHz
Auto
Man
Channel Power
11.19 dBm/ 36.57 MHz
Power Spectral Density
-64.44 dBm/Hz
MSG
STATUS

Channel 6


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:36:33 AM May 21, 2015
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: -1.60 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
2.437000000 GHz
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 60 MHz
Sweep 1.333 ms
CF Step
6.000000 MHz
Auto
Man
Channel Power
16.32 dBm/ 36.61 MHz
Power Spectral Density
-59.32 dBm/Hz
MSG
STATUS

Channel 9


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:47:38 AM May 21, 2015
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: -1.60 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
2.452000000 GHz
Center 2.452 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 60 MHz
Sweep 1.333 ms
CF Step
6.000000 MHz
Auto
Man
Channel Power
11.00 dBm/ 36.64 MHz
Power Spectral Density
-64.64 dBm/Hz
MSG
STATUS

Product	Dual-band Wireless-AC750 Range Extender		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/21	Test Site	SR7

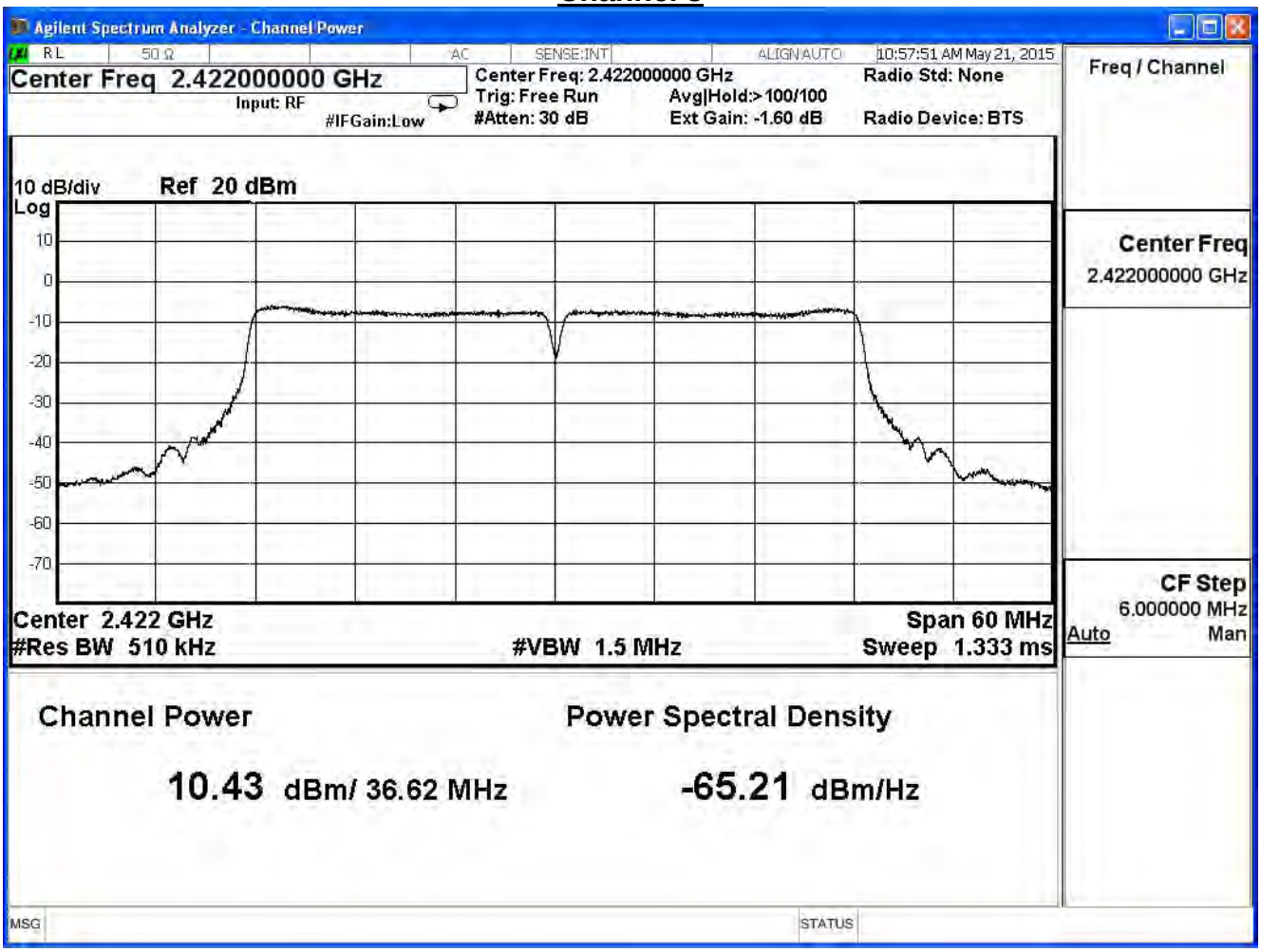
IEEE802.11n 40MHz (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	10.43	≦30	Pass
6	2437	15.99	≦30	Pass
9	2452	10.52	≦30	Pass

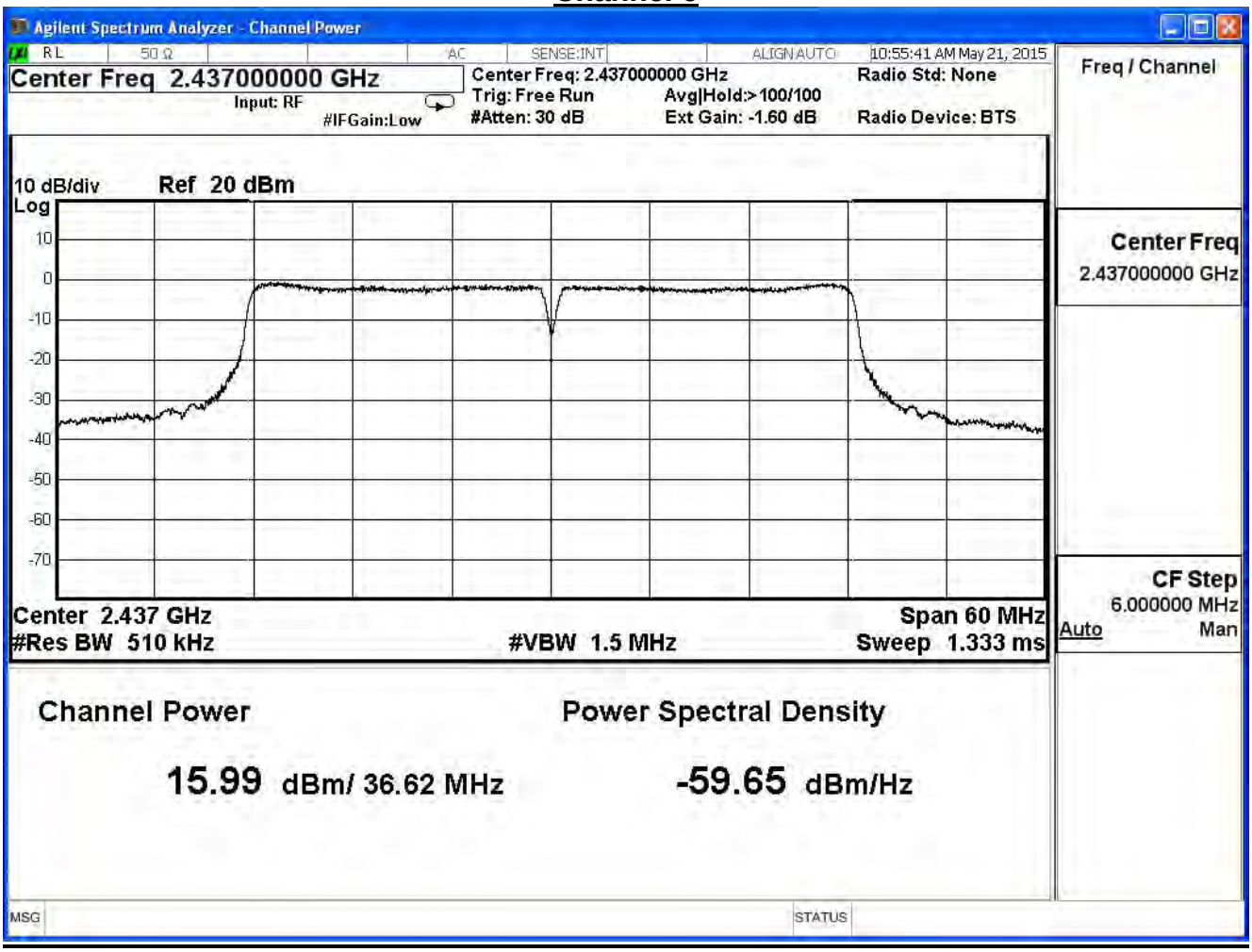
The worst emission of data rate is 13.5 Mbps.

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6 7		Required Limit
Channel No	Frequency (MHz)	Data Rate								
		13.5	27	40.5	54	81	108	121.5	135	
3	2422	10.43	--	--	--	--	--	-- --		1Watt=30dBm
6	2437	15.99	15.89	15.69	15.43	15.23	14.99	14.75	14.63	1Watt=30dBm
9	2452	10.52	--	--	--	--	--	-- --		1Watt=30dBm

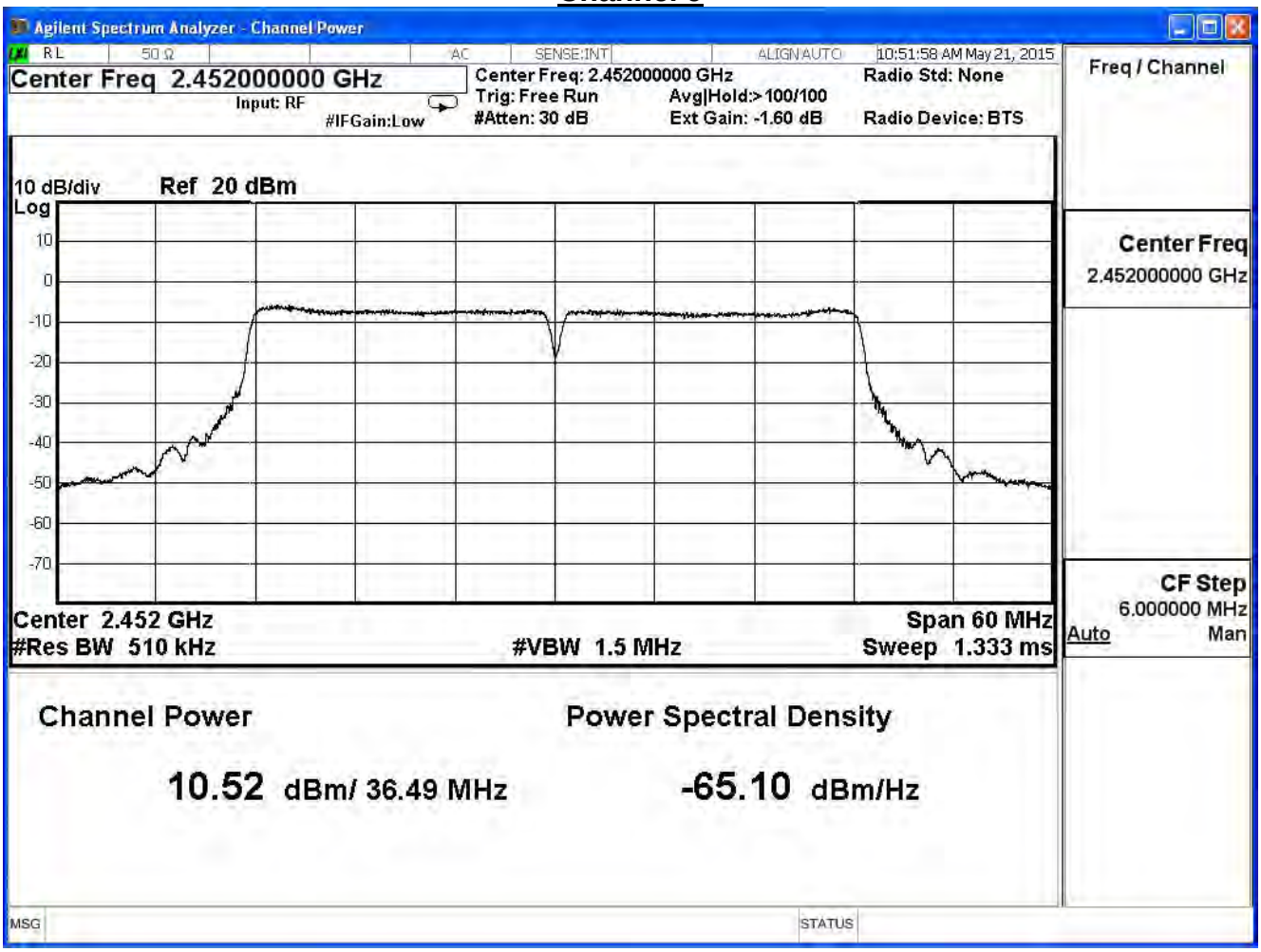
Channel 3


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:57:51 AM May 21, 2015
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: -1.60 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
2.422000000 GHz
Center 2.422 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 60 MHz
Sweep 1.333 ms
CF Step
6.000000 MHz
Auto
Man
Channel Power
10.43 dBm/ 36.62 MHz
Power Spectral Density
-65.21 dBm/Hz
MSG
STATUS

Channel 6


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:55:41 AM May 21, 2015
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
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
2.437000000 GHz
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 60 MHz
Sweep 1.333 ms
CF Step
6.000000 MHz
Auto
Man
Channel Power
15.99 dBm/ 36.62 MHz
Power Spectral Density
-59.65 dBm/Hz
MSG
STATUS

Channel 9


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:51:58 AM May 21, 2015
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: -1.60 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
2.452000000 GHz
Center 2.452 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 60 MHz
Sweep 1.333 ms
CF Step
6.000000 MHz
Auto
Man
Channel Power
10.52 dBm/ 36.49 MHz
Power Spectral Density
-65.10 dBm/Hz
MSG
STATUS

Product	Dual-band Wireless-AC750 Range Extender		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/21	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	13.84	≦30	Pass
6	2437	19.17	≦30	Pass
9	2452	13.78	≦30	Pass

The worst emission of data rate is 13.5Mbps

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	13.84	--	-- --		--	--	-- --		30dBm
6	2437	19.17	19.02	18.86	18.63	18.43	18.19	17.94	17.76	30dBm
9	2452	13.78	--	-- --		--	--	-- --		30dBm

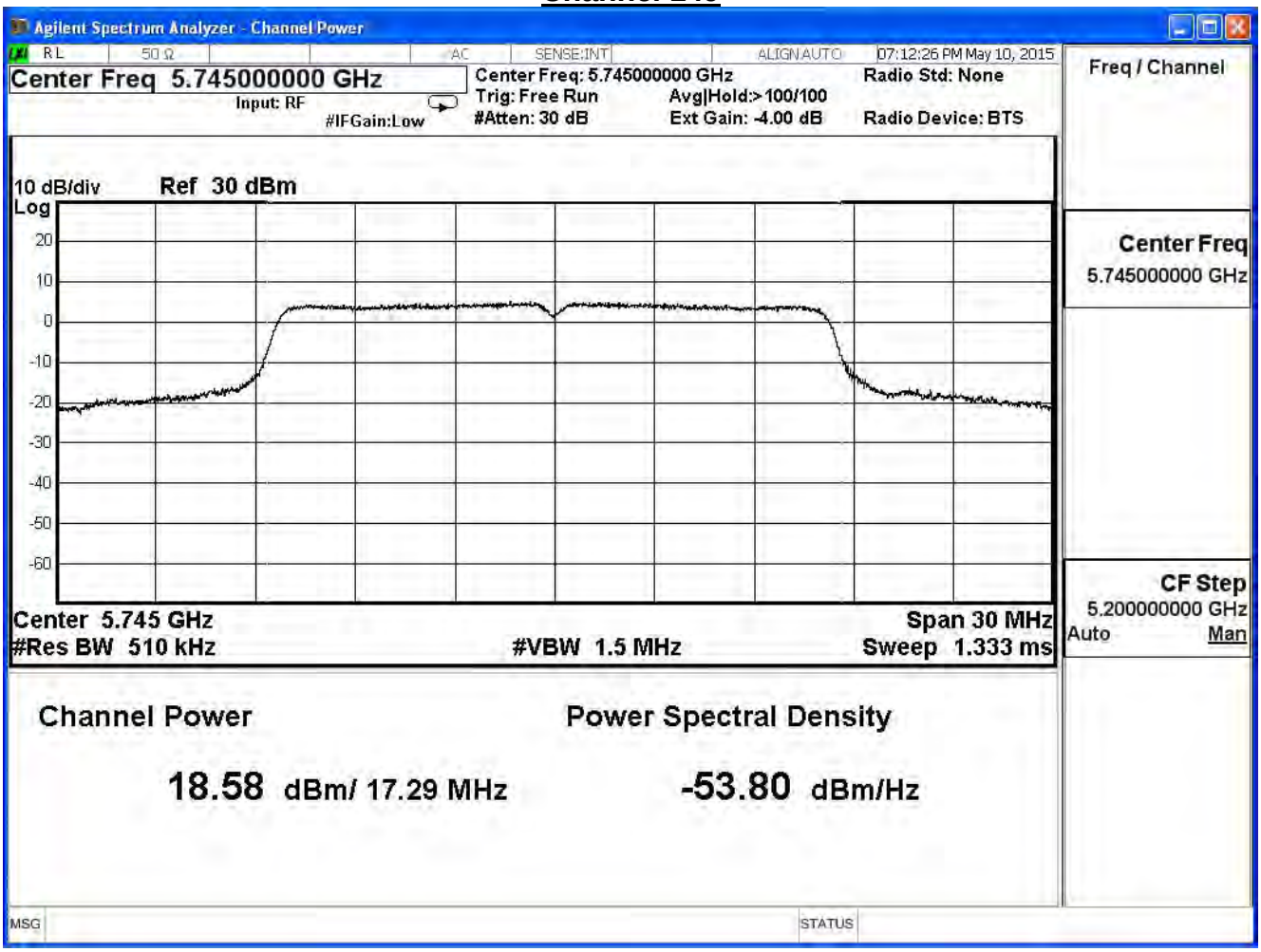
Product	Dual-band Wireless-AC750 Range Extender		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/20	Test Site	SR7

IEEE 802.11a (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	18.580	≦30	Pass
157	5785	21.350	≦30	Pass
165	5825	21.000	≦30	Pass

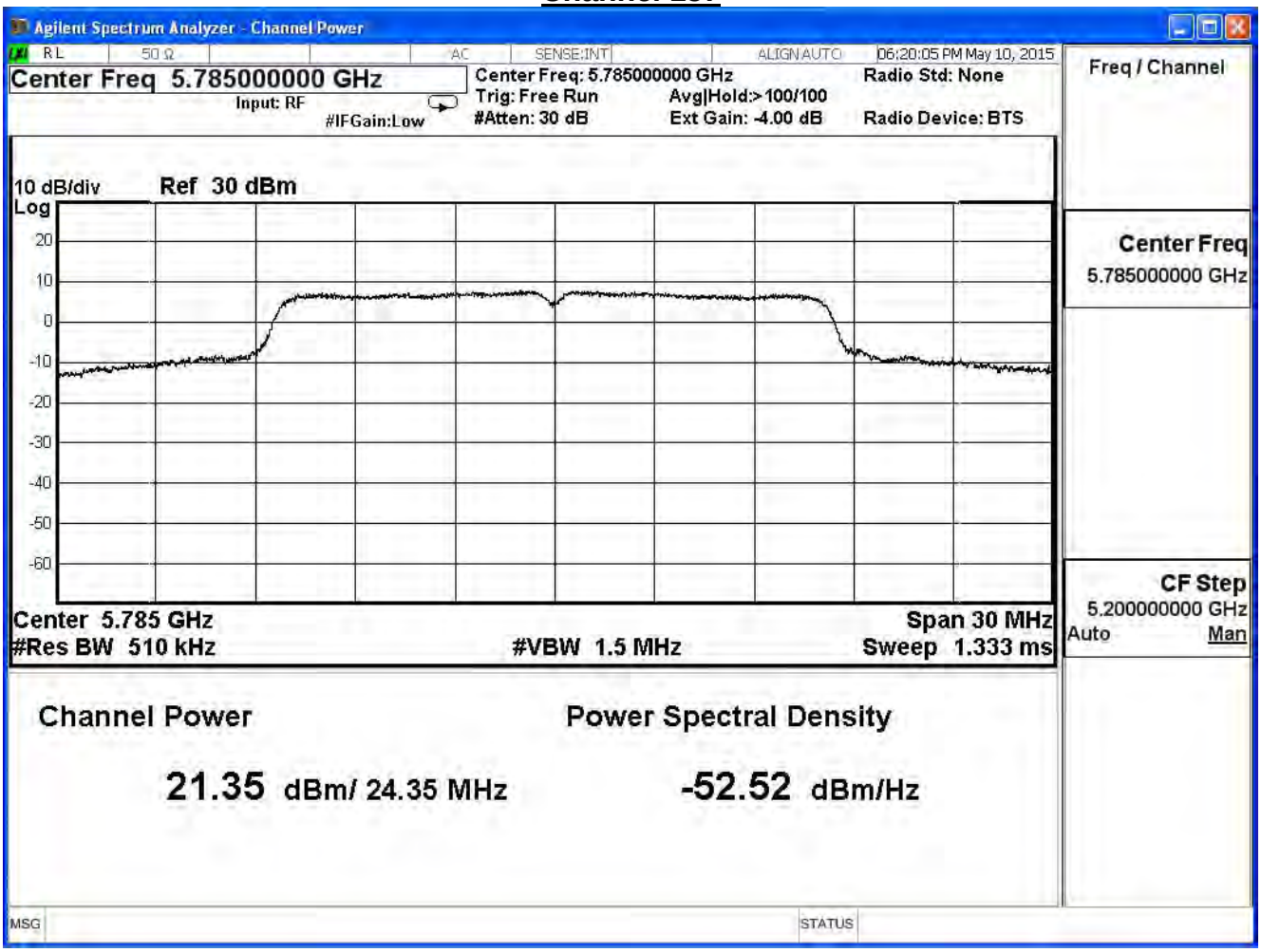
The worst emission of data rate is 6Mbps.

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
149	5745	18.58	--	--	--	--	--	--	1 Watt=30dBm
157	5785	21.35	21.32	21.30	21.28	21.25	21.19	21.15	1 Watt=30dBm
165	5825	21.00	--	--	--	--	--	--	1 Watt=30dBm

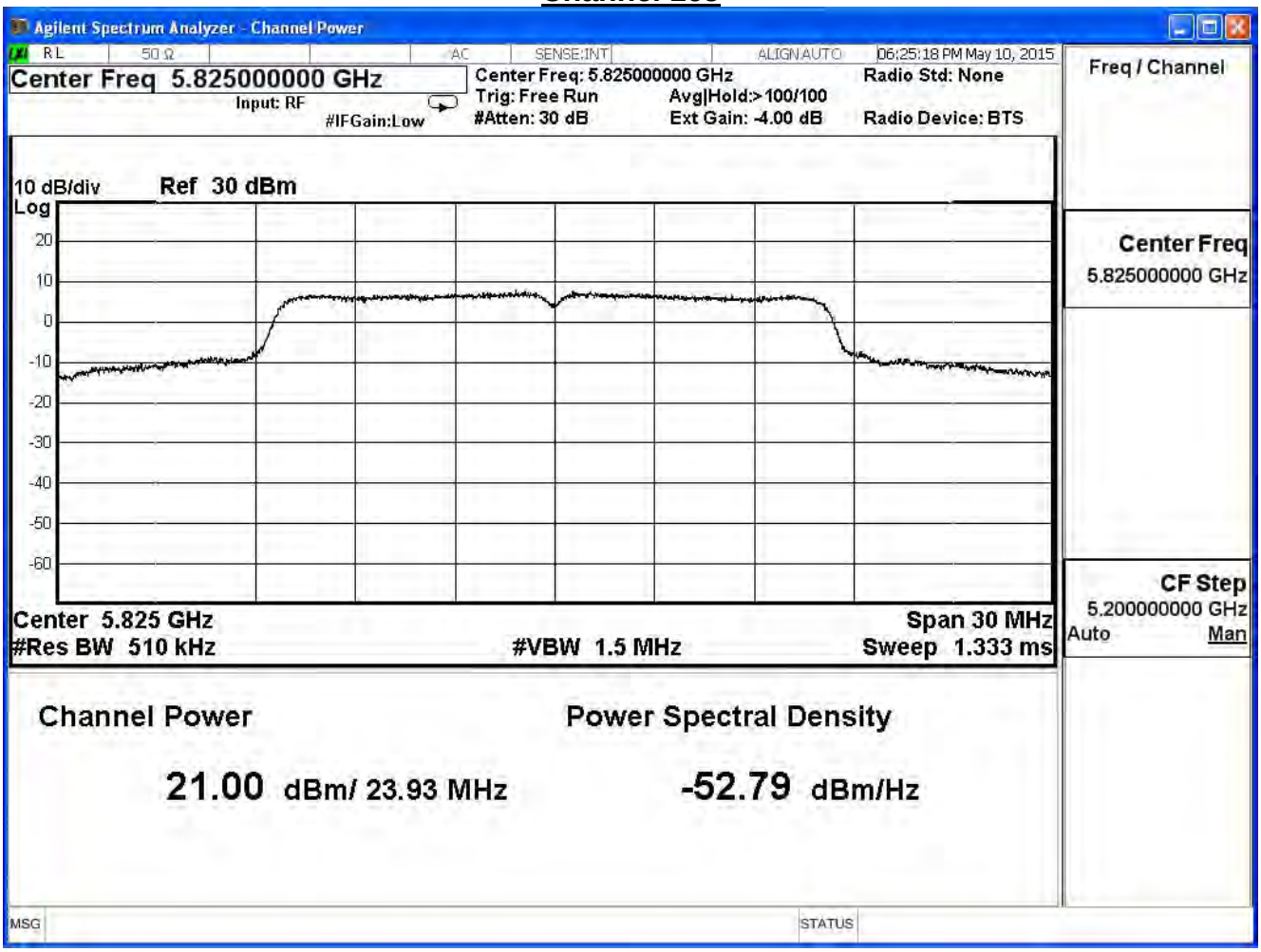
Channel 149


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:12:26 PM May 10, 2015
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: -4.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
5.745000000 GHz
CF Step
5.200000000 GHz
Auto
Man
Center 5.745 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30 MHz
Sweep 1.333 ms
Channel Power
18.58 dBm/ 17.29 MHz
Power Spectral Density
-53.80 dBm/Hz
MSG
STATUS

Channel 157


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
06:20:05 PM May 10, 2015
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: -4.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
5.785000000 GHz
CF Step
5.200000000 GHz
Auto
Man
Center 5.785 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30 MHz
Sweep 1.333 ms
Channel Power
21.35 dBm/ 24.35 MHz
Power Spectral Density
-52.52 dBm/Hz
MSG
STATUS

Channel 165


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
06:25:18 PM May 10, 2015
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: -4.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
5.825000000 GHz
CF Step
5.200000000 GHz
Auto
Man
Center 5.825 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30 MHz
Sweep 1.333 ms
Channel Power
21.00 dBm/ 23.93 MHz
Power Spectral Density
-52.79 dBm/Hz
MSG
STATUS

Product	Dual-band Wireless-AC750 Range Extender		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/20	Test Site	SR7

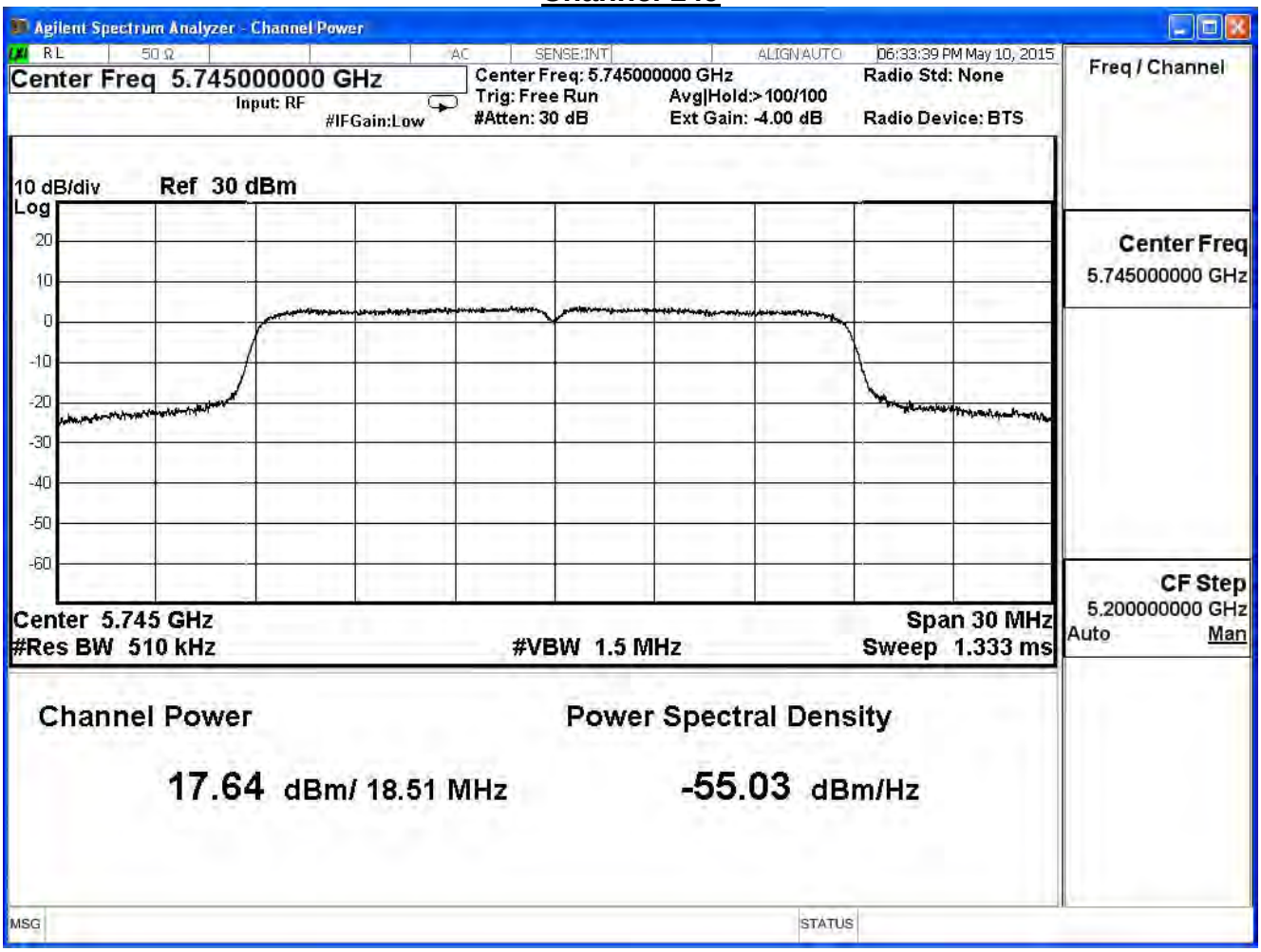
IEEE 802.11n 20MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	17.640	≦30	Pass
157	5785	21.250	≦30	Pass
165	5825	20.640	≦30	Pass

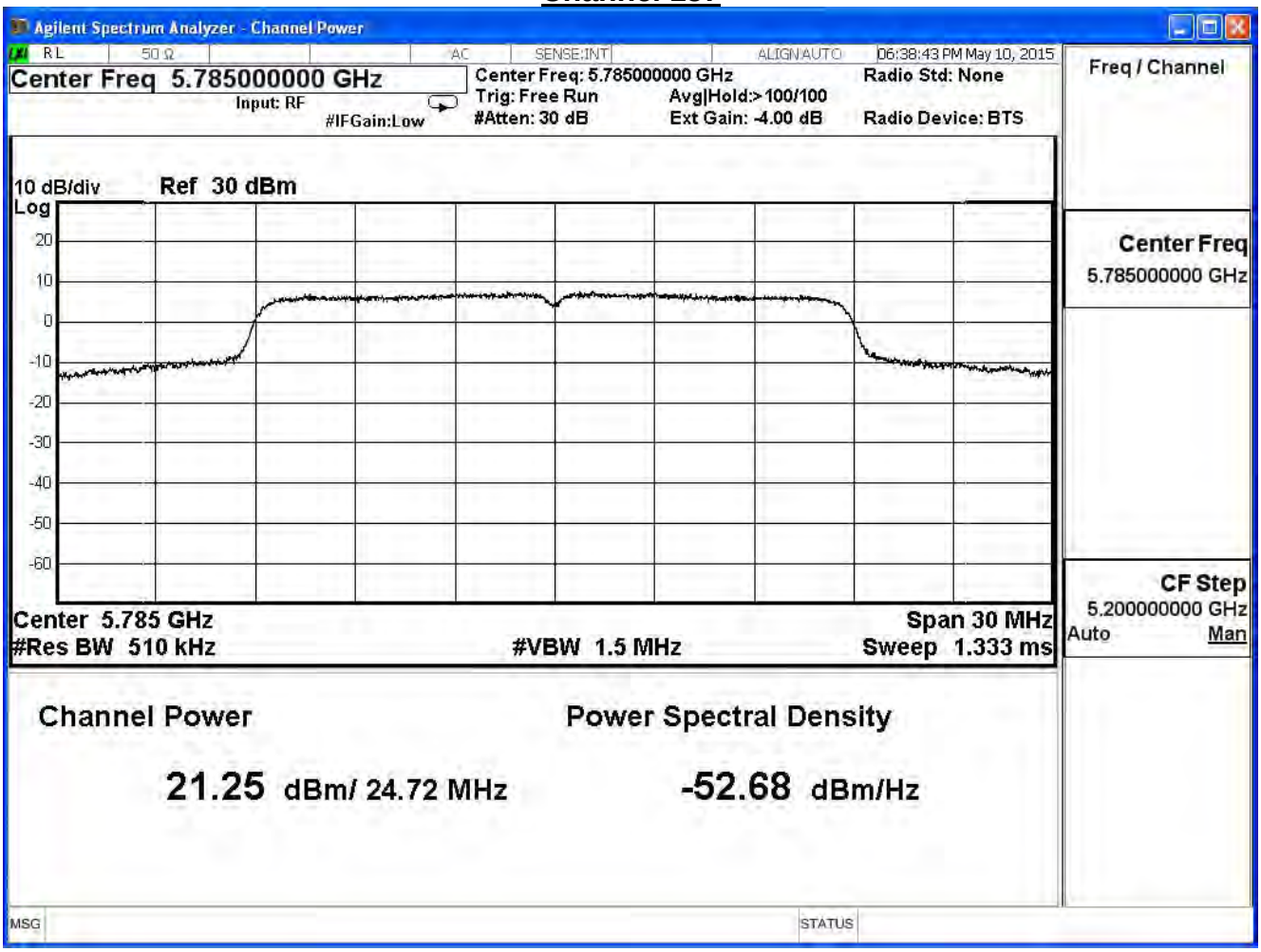
The worst emission of data rate is 6.5 Mbps.

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	17.64	--	--	--	--	--	--	--	1 Watt=30dBm
157	5785	21.25	21.20	21.18	21.15	21.12	21.10	20.08	20.04	1 Watt=30dBm
165	5825	20.64	--	--	--	--	--	--	--	1 Watt=30dBm

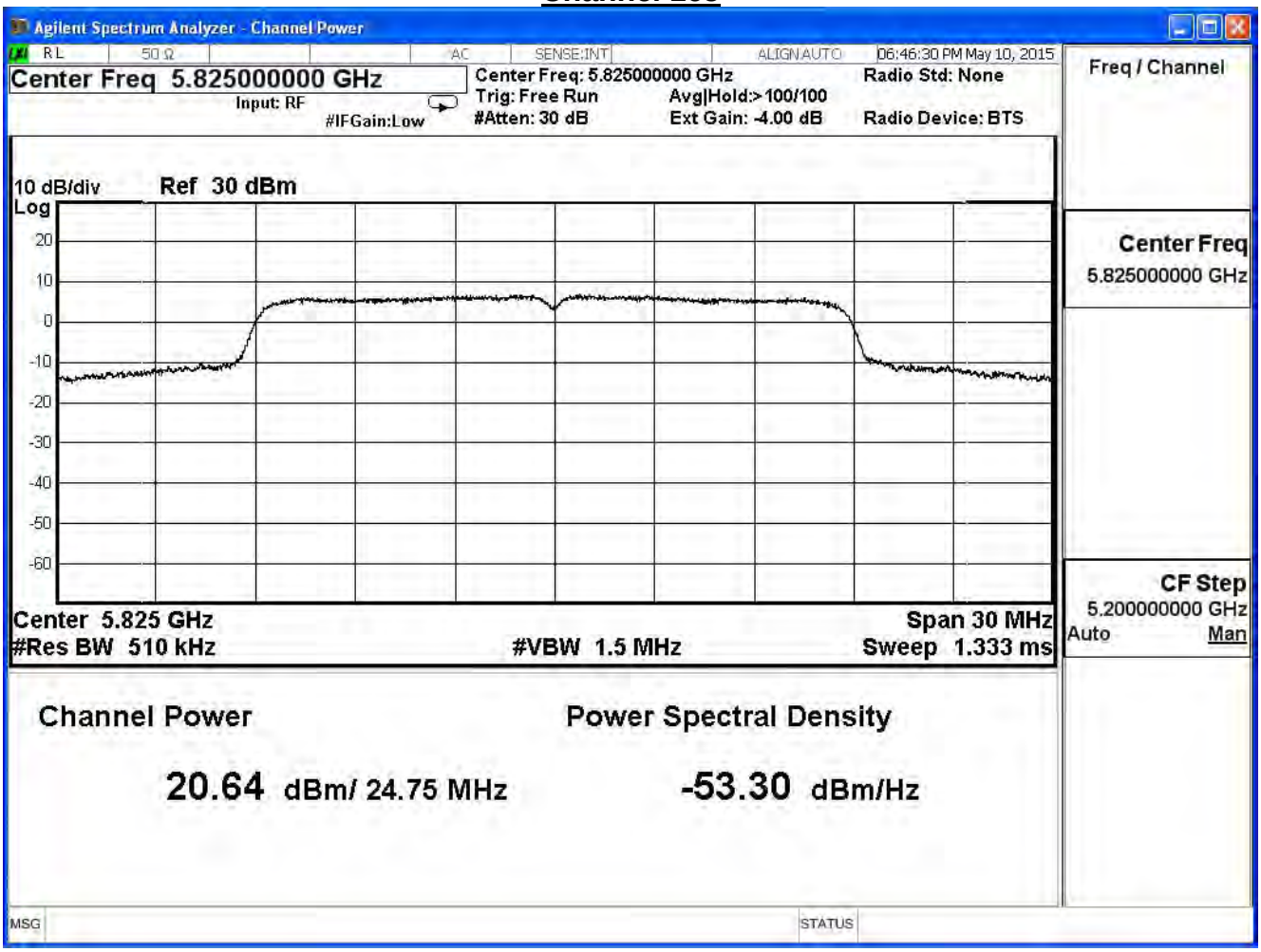
Channel 149


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
06:33:39 PM May 10, 2015
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: -4.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
5.745000000 GHz
Center 5.745 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
5.200000000 GHz
Auto
Man
Channel Power
17.64 dBm/ 18.51 MHz
Power Spectral Density
-55.03 dBm/Hz
MSG
STATUS

Channel 157


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
06:38:43 PM May 10, 2015
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: -4.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
5.785000000 GHz
Center 5.785 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
5.200000000 GHz
Auto
Man
Channel Power
21.25 dBm/ 24.72 MHz
Power Spectral Density
-52.68 dBm/Hz
MSG
STATUS

Channel 165


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
06:46:30 PM May 10, 2015
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: -4.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
5.825000000 GHz
Center 5.825 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30 MHz
Sweep 1.333 ms
CF Step
5.200000000 GHz
Auto
Man
Channel Power
20.64 dBm/ 24.75 MHz
Power Spectral Density
-53.30 dBm/Hz
MSG
STATUS

Product	Dual-band Wireless-AC750 Range Extender		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/20	Test Site	SR7

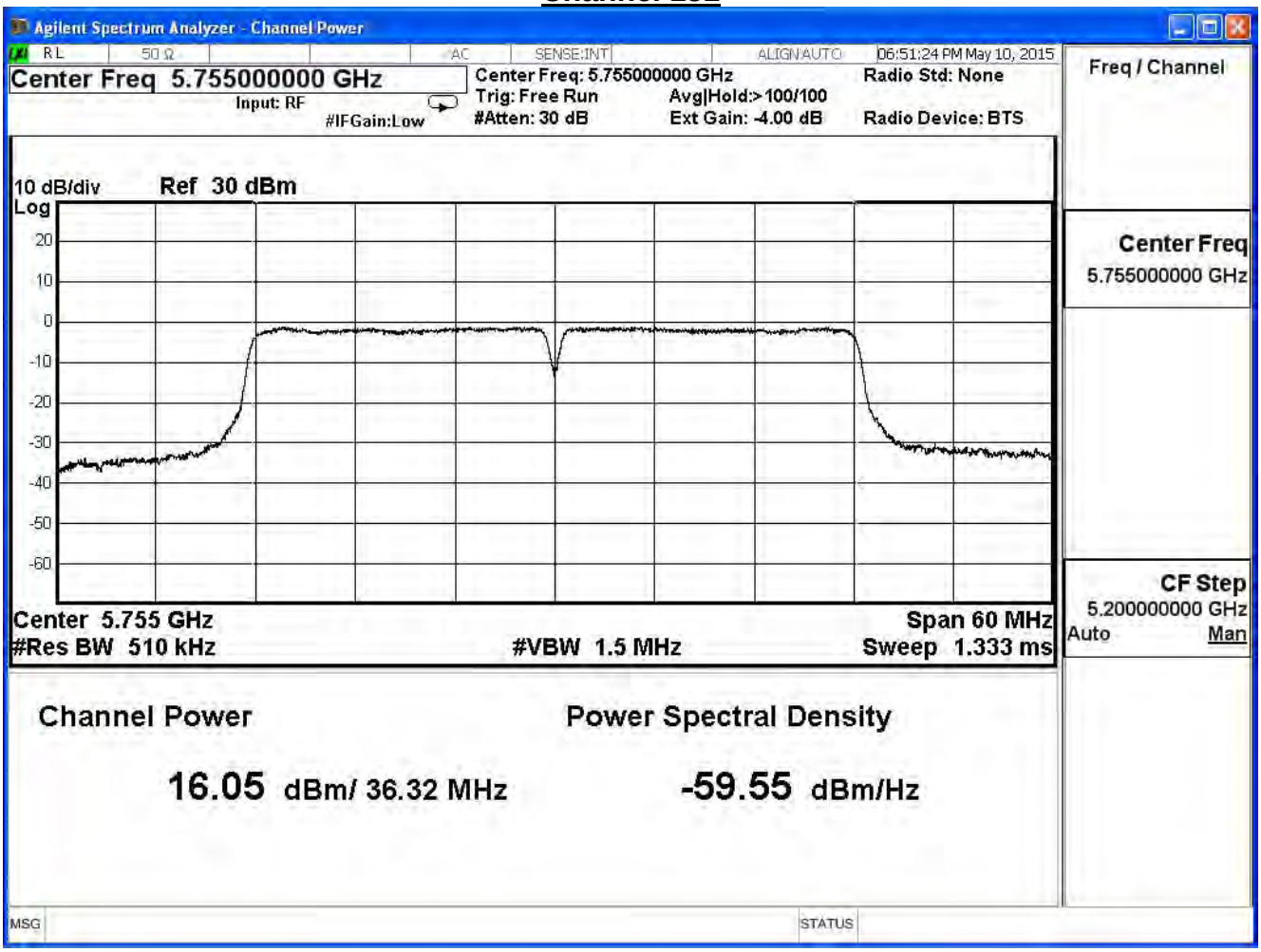
IEEE802.11n 40MHz(ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	16.050	≦30	Pass
159	5795	20.840	≦30	Pass

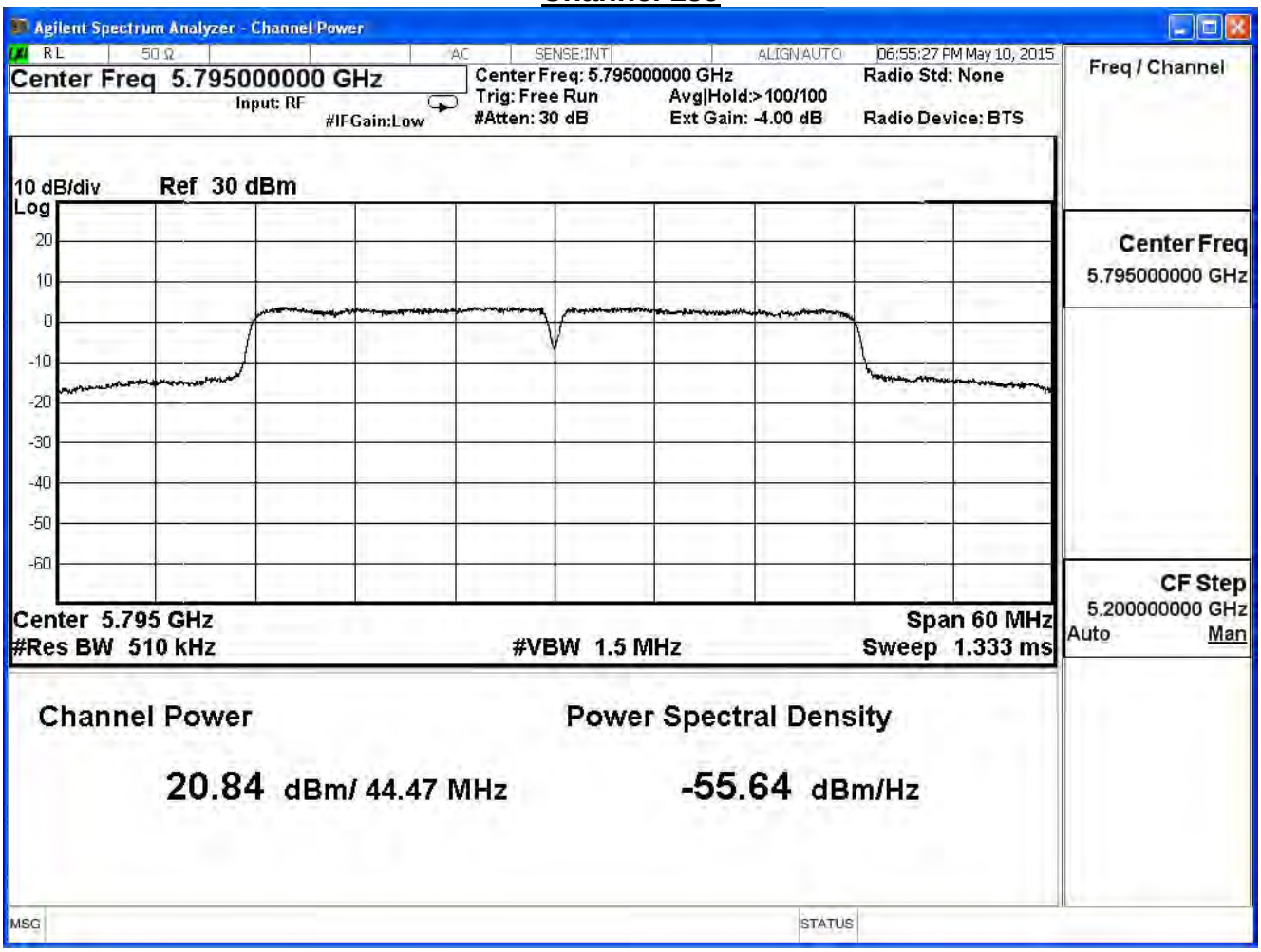
The worst emission of data rate is 13.5 Mbps.

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	16.05	16.02	15.92	15.91	15.88	15.82	15.79	15.75	1 Watt=30dBm
159	5795	20.84	--	--	--	--	--	--	--	1 Watt=30dBm

Channel 151


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
06:51:24 PM May 10, 2015
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: -4.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
5.755000000 GHz
CF Step
5.200000000 GHz
Auto
Man
Center 5.755 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 60 MHz
Sweep 1.333 ms
Channel Power
16.05 dBm/ 36.32 MHz
Power Spectral Density
-59.55 dBm/Hz
MSG
STATUS

Channel 159


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
06:55:27 PM May 10, 2015
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: -4.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
5.795000000 GHz
CF Step
5.200000000 GHz
Auto
Man
Center 5.795 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 60 MHz
Sweep 1.333 ms
Channel Power
20.84 dBm/ 44.47 MHz
Power Spectral Density
-55.64 dBm/Hz
MSG
STATUS

Product	Dual-band Wireless-AC750 Range Extender		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/20	Test Site	SR7

IEEE802.11ac 80MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	14.45	≦30	Pass

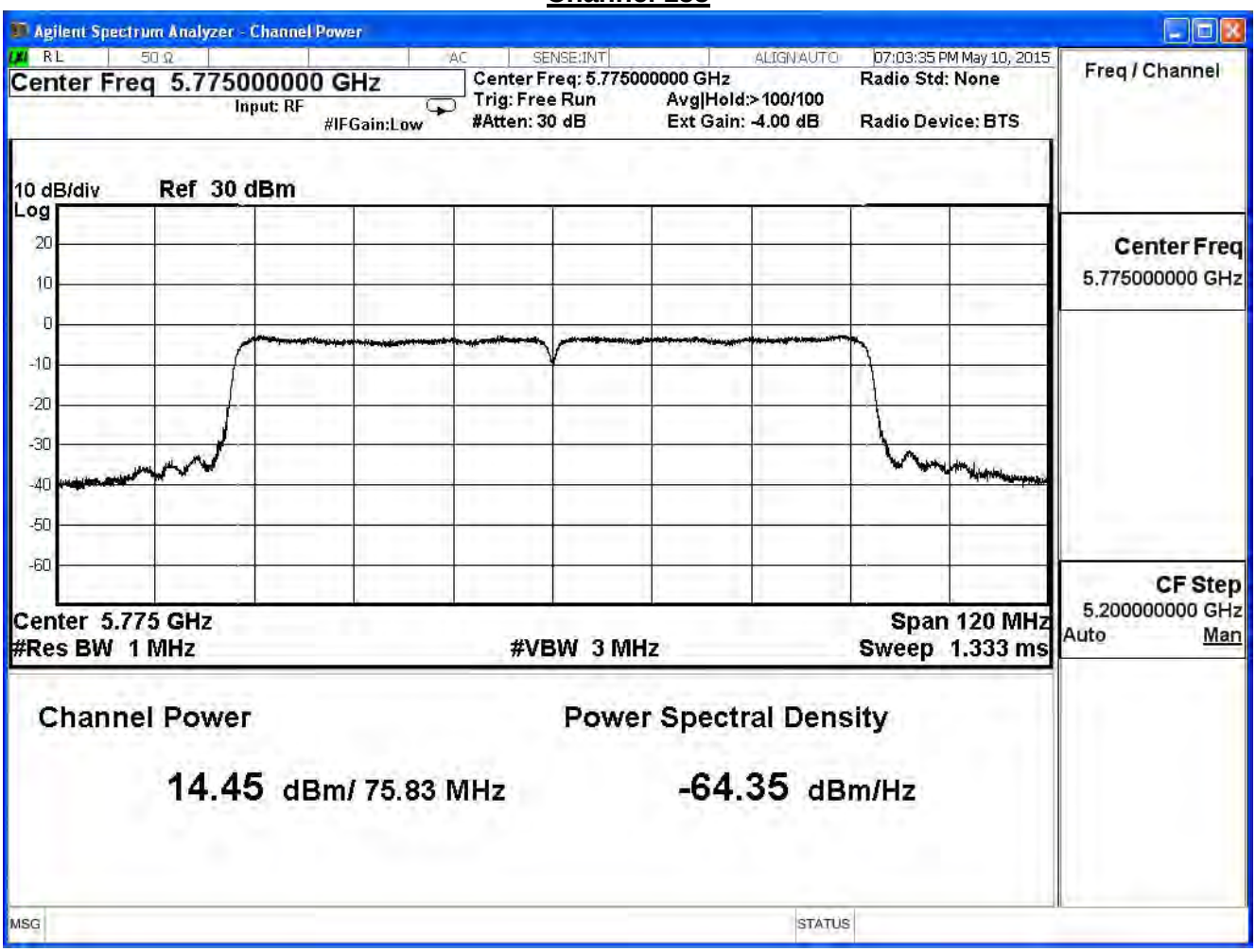
The worst emission of data rate is 29.3Mbps

Peak Power Output (dBm)											
MCS Index		0	1	2	3 4		5	6 7 8			9
Channel No	Frequency (MHz)	Data Rate									
		29.3	58.5	87.8	117	175.5	234	263.3	292.5	351	390
42	5210	14.45	14.35	14.32	14.28	14.22	14.20	14.18	14.15	14.12	14.08

Note:

Measure Level =Reading value + cable loss

Channel 155


Agilent Spectrum Analyzer - Channel Power
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:03:35 PM May 10, 2015
Center Freq 5.775000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.775000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -4.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
5.775000000 GHz
CF Step
5.200000000 GHz
Auto
Man
Center 5.775 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 120 MHz
Sweep 1.333 ms
Channel Power
14.45 dBm/ 75.83 MHz
Power Spectral Density
-64.35 dBm/Hz
MSG
STATUS

4. Radiated Emission

4.1. Test Equipment

The following test equipments are used during the test:

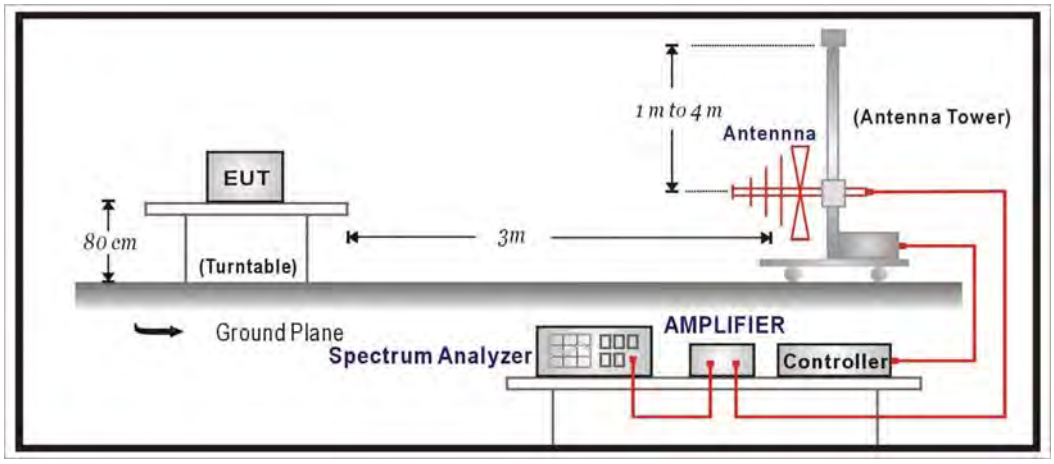
Radiated Emission / CB1

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	2016/01/26
Pre-Amplifier	EMCI	EMC0031835	980233	2016/01/18
Pre-Amplifier	QuieTek	AP-025C	CHM-0706049	2016/01/18
Spectrum Analyzer	Agilent	E4440A	MY46187335	2016/01/07
k Type Cable	Huber Suhner	Sucoflex 102	25623/2	2016/01/26

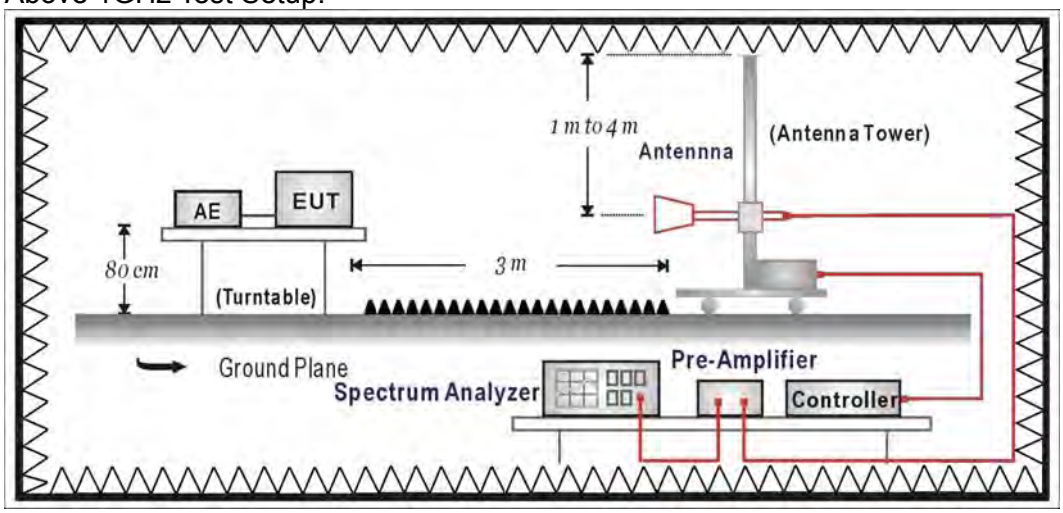
Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

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: 2014

4.6. Uncertainty

The measurement uncertainty

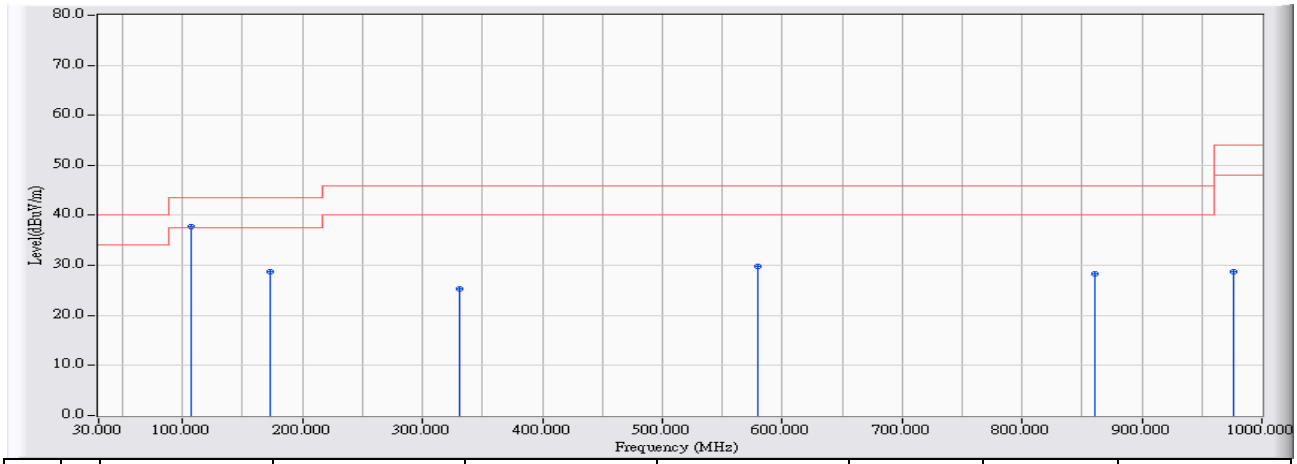
30MHz～1GHz as ±3.43dB

1GHz～26.5Ghz as ±3.65dB

4.7. Test Result

30MHz-1GHz Spurious

Site : CB1	Time : 2015/05/09 - 15:04
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Dual-band Wireless-AC750 Range Extender	Note : Mode 1: Transmit_802.11b_2437MHz

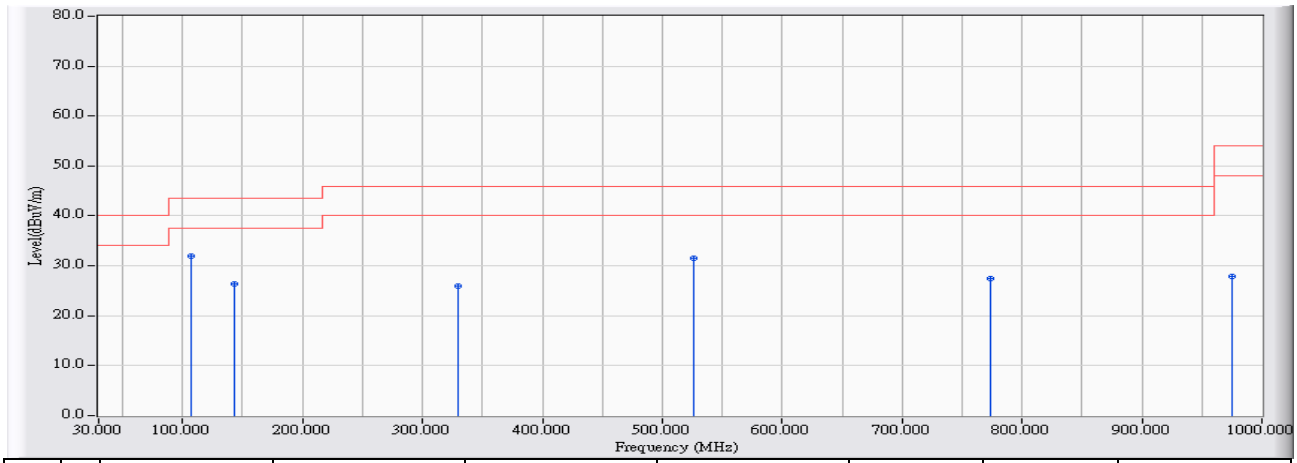


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	106.592	10.165	27.500	37.664	-5.836	43.500	QUASIPEAK
2		172.519	8.588	20.210	28.798	-14.702	43.500	QUASIPEAK
3		331.519	13.509	11.693	25.202	-20.798	46.000	QUASIPEAK
4		579.715	17.422	12.447	29.869	-16.131	46.000	QUASIPEAK
5		860.875	19.371	8.952	28.323	-17.677	46.000	QUASIPEAK
6		975.762	20.091	8.695	28.786	-25.214	54.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2015/05/09 - 15:57**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11b_2437MHz**

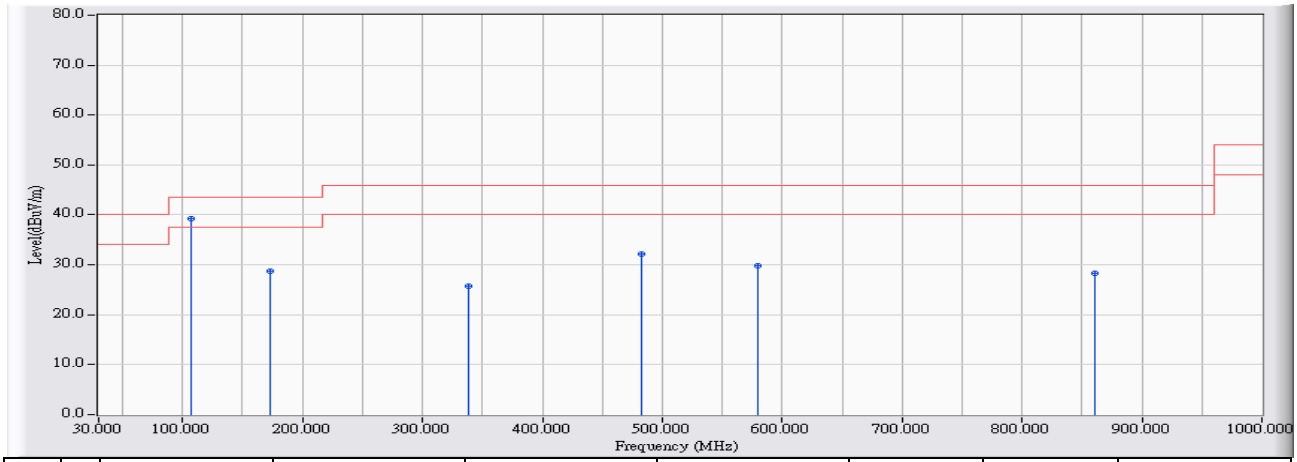


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	106.592	10.165	21.843	32.007	-11.493	43.500	QUASIPEAK
2		142.949	9.985	16.468	26.453	-17.047	43.500	QUASIPEAK
3		330.065	13.474	12.497	25.971	-20.029	46.000	QUASIPEAK
4		525.907	17.261	14.163	31.424	-14.576	46.000	QUASIPEAK
5		773.133	18.886	8.488	27.374	-18.626	46.000	QUASIPEAK
6		975.277	20.087	7.820	27.907	-26.093	54.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2015/05/09 - 15:09**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11g_2437MHz**

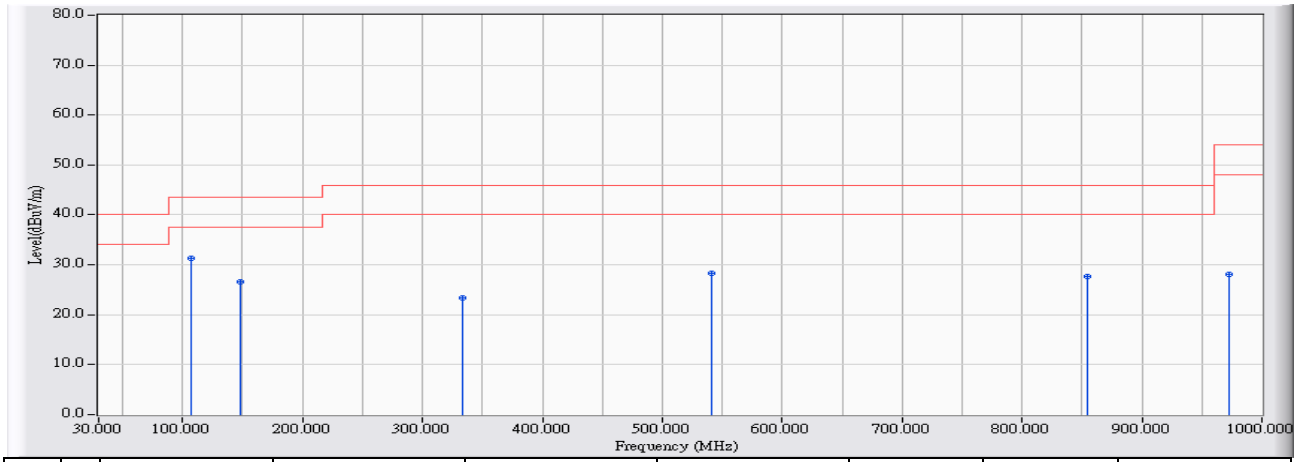


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	106.592	10.165	29.136	39.300	-4.200	43.500	QUASIPEAK
2		172.519	8.588	20.210	28.798	-14.702	43.500	QUASIPEAK
3		337.821	13.661	12.181	25.842	-20.158	46.000	QUASIPEAK
4		483.248	16.843	15.319	32.162	-13.838	46.000	QUASIPEAK
5		579.715	17.422	12.447	29.869	-16.131	46.000	QUASIPEAK
6		860.875	19.371	8.952	28.323	-17.677	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 : 2015/05/09 - 15:51**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11g_2437MHz**

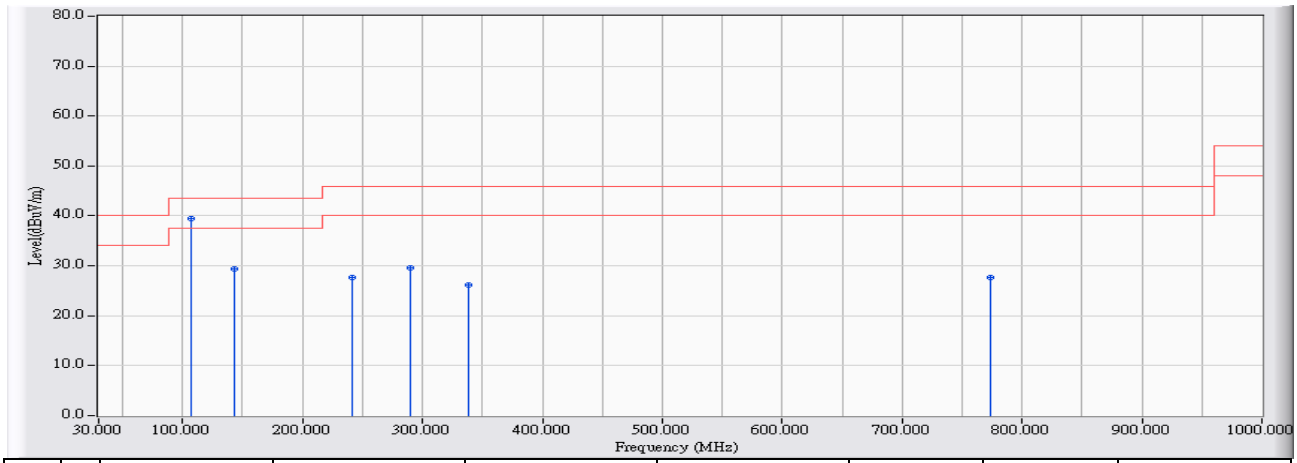


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	106.592	10.165	21.227	31.391	-12.109	43.500	QUASIPEAK
2		147.796	9.743	16.824	26.568	-16.932	43.500	QUASIPEAK
3		332.974	13.544	9.732	23.276	-22.724	46.000	QUASIPEAK
4		540.935	17.306	11.007	28.313	-17.687	46.000	QUASIPEAK
5		854.088	19.354	8.278	27.632	-18.368	46.000	QUASIPEAK
6		972.854	20.068	7.988	28.055	-25.945	54.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2015/05/09 - 15:12**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(20MHz)_2437MHz**

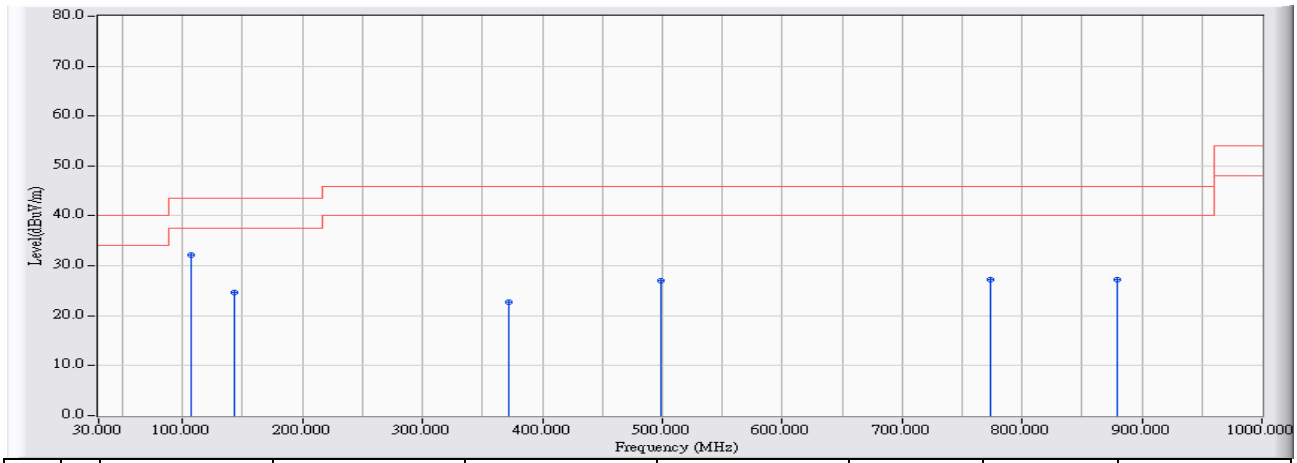


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	106.592	10.165	29.213	39.377	-4.123	43.500	QUASIPEAK
2		142.949	9.985	19.296	29.281	-14.219	43.500	QUASIPEAK
3		241.354	11.241	16.333	27.574	-18.426	46.000	QUASIPEAK
4		289.830	12.575	17.045	29.620	-16.380	46.000	QUASIPEAK
5		337.821	13.661	12.574	26.235	-19.765	46.000	QUASIPEAK
6		773.133	18.886	8.794	27.680	-18.320	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2015/05/09 - 15:49**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(20MHz)_2437MHz**

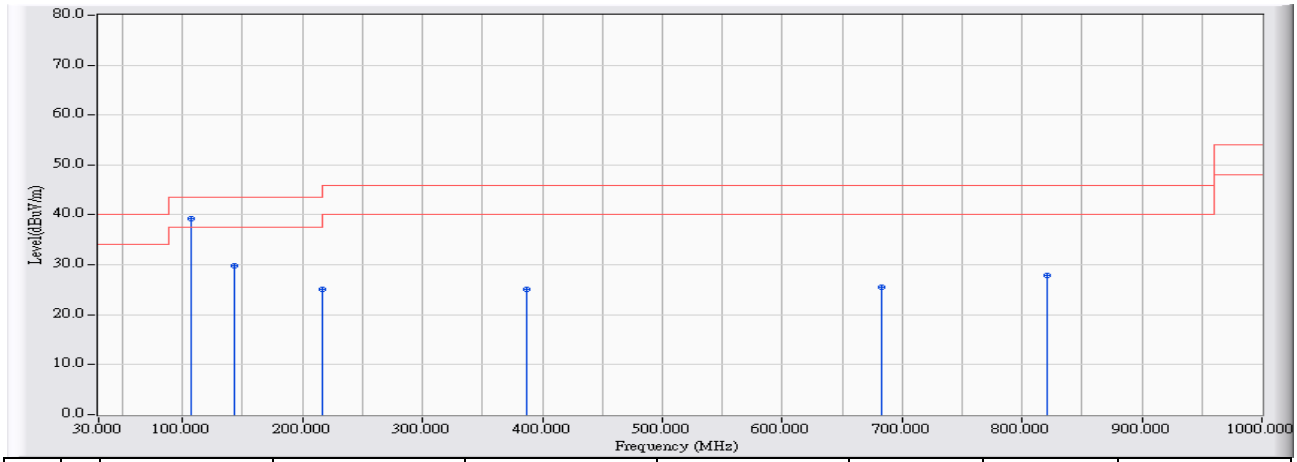


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	106.592	10.165	22.078	32.242	-11.258	43.500	QUASIPEAK
2		142.949	9.985	14.657	24.642	-18.858	43.500	QUASIPEAK
3		371.754	14.476	8.337	22.813	-23.187	46.000	QUASIPEAK
4		499.245	17.168	9.877	27.044	-18.956	46.000	QUASIPEAK
5		773.133	18.886	8.455	27.341	-18.659	46.000	QUASIPEAK
6		879.780	19.420	7.810	27.230	-18.770	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 : 2015/05/09 - 15:15**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(40MHz)_2437MHz**

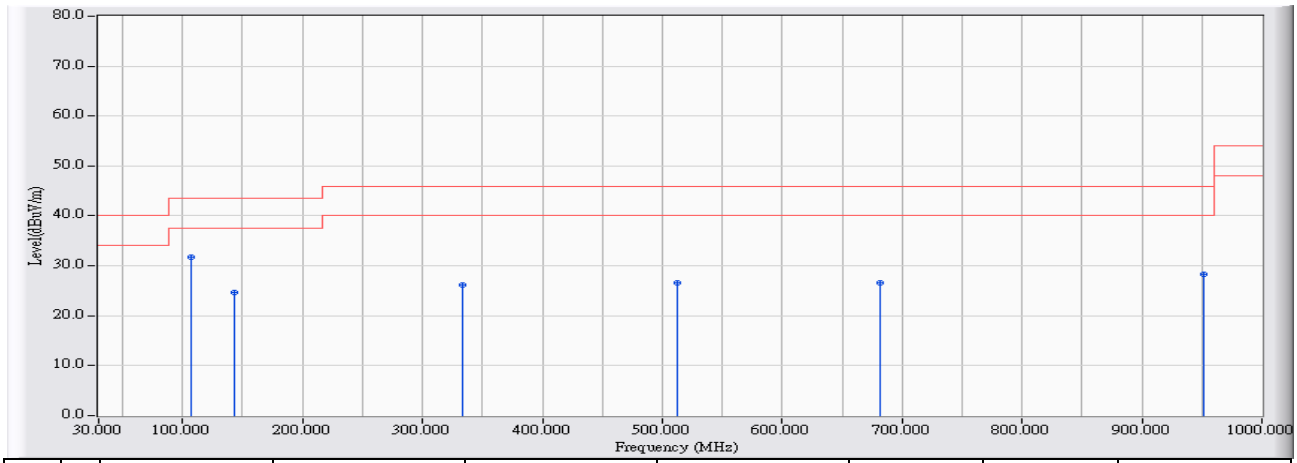


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	106.592	10.165	29.107	39.271	-4.229	43.500	QUASIPEAK
2		142.949	9.985	19.750	29.735	-13.765	43.500	QUASIPEAK
3		217.116	9.438	15.732	25.170	-20.830	46.000	QUASIPEAK
4		386.297	14.825	10.317	25.142	-20.858	46.000	QUASIPEAK
5		683.453	17.908	7.704	25.612	-20.388	46.000	QUASIPEAK
6		821.124	19.269	8.695	27.964	-18.036	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 : 2015/05/09 - 15:41**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(40MHz)_2437MHz**

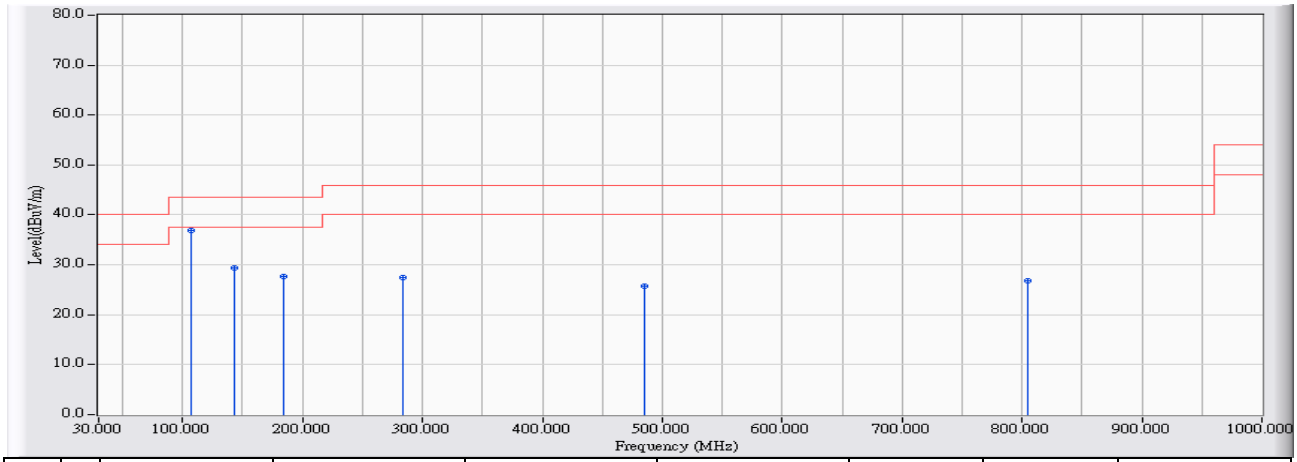


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	106.592	10.165	21.585	31.749	-11.751	43.500	QUASIPEAK
2		142.949	9.985	14.659	24.644	-18.856	43.500	QUASIPEAK
3		332.974	13.544	12.649	26.193	-19.807	46.000	QUASIPEAK
4		512.819	17.222	9.316	26.537	-19.463	46.000	QUASIPEAK
5		681.029	17.896	8.672	26.568	-19.432	46.000	QUASIPEAK
6		951.524	19.894	8.523	28.416	-17.584	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 : 2015/05/09 - 14:40**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11a_5785MHz**

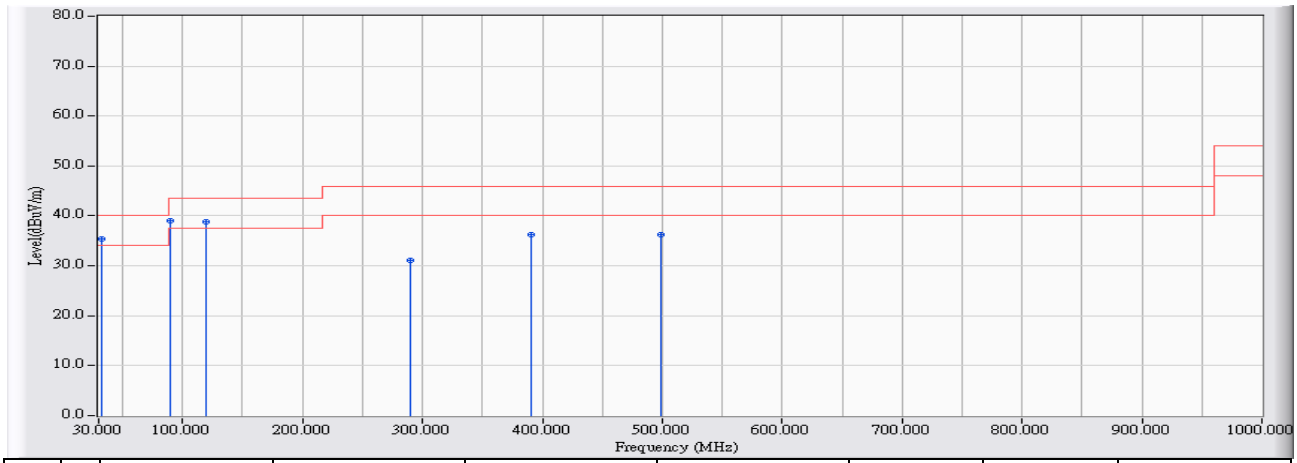


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	106.592	10.165	26.785	36.949	-6.551	43.500	QUASIPEAK
2		142.949	9.985	19.384	29.369	-14.131	43.500	QUASIPEAK
3		183.668	8.243	19.343	27.586	-15.914	43.500	QUASIPEAK
4		284.013	12.474	14.979	27.453	-18.547	46.000	QUASIPEAK
5		484.703	16.873	8.808	25.680	-20.320	46.000	QUASIPEAK
6		804.158	19.225	7.689	26.914	-19.086	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 : 2015/05/09 - 13:06**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11a_5785MHz**

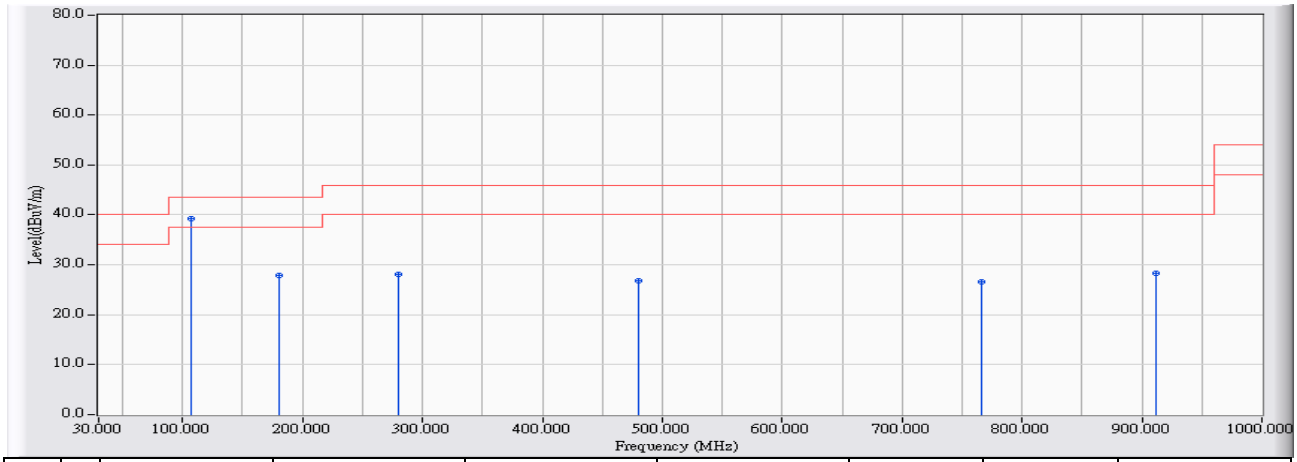


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		32.909	13.128	22.277	35.405	-4.595	40.000	QUASIPEAK
2	*	90.110	7.527	31.410	38.937	-4.563	43.500	QUASIPEAK
3		119.680	10.794	28.062	38.856	-4.644	43.500	QUASIPEAK
4		289.830	12.575	18.467	31.042	-14.958	46.000	QUASIPEAK
5		391.144	14.942	21.309	36.251	-9.749	46.000	QUASIPEAK
6		498.276	17.148	19.096	36.244	-9.756	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 : 2015/05/09 - 14:36**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(20MHz)_5785MHz**

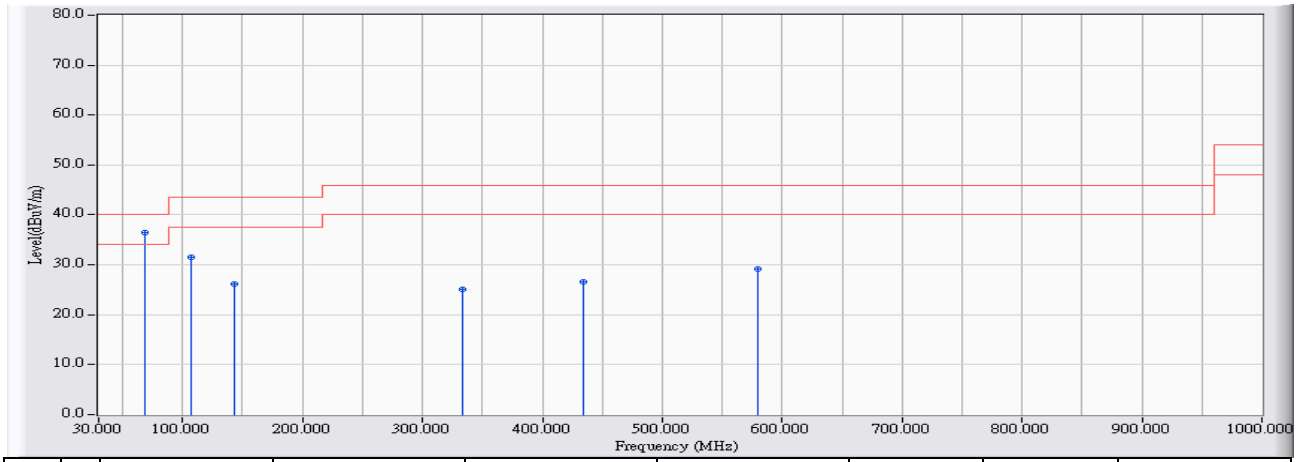


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	106.592	10.165	29.122	39.286	-4.214	43.500	QUASIPEAK
2		180.760	8.257	19.608	27.865	-15.635	43.500	QUASIPEAK
3		280.135	12.407	15.700	28.107	-17.893	46.000	QUASIPEAK
4		480.340	16.783	10.047	26.831	-19.169	46.000	QUASIPEAK
5		765.862	18.797	7.784	26.581	-19.419	46.000	QUASIPEAK
6		912.259	19.572	8.714	28.286	-17.714	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 : 2015/05/09 - 13:14**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(20MHz)_5785MHz**

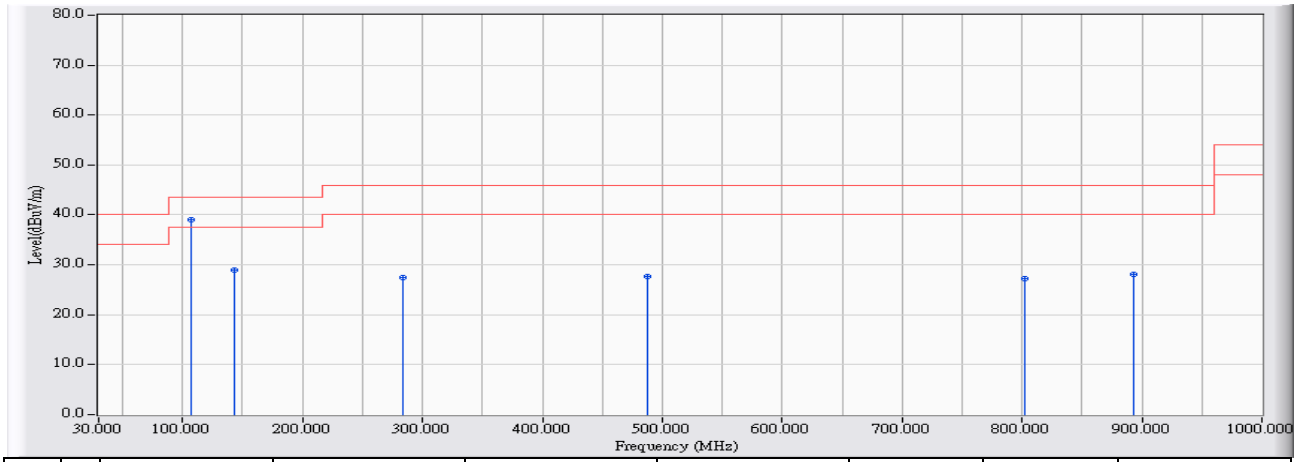


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	68.781	5.555	30.151	35.706	-4.294	40.000	QUASIPEAK
2		106.592	10.165	21.304	31.468	-12.032	43.500	QUASIPEAK
3		142.949	9.985	16.260	26.245	-17.255	43.500	QUASIPEAK
4		333.458	13.555	11.460	25.016	-20.984	46.000	QUASIPEAK
5		433.803	15.840	10.717	26.557	-19.443	46.000	QUASIPEAK
6		579.715	17.422	11.784	29.206	-16.794	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2015/05/09 - 14:32**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(40MHz)_5795MHz**

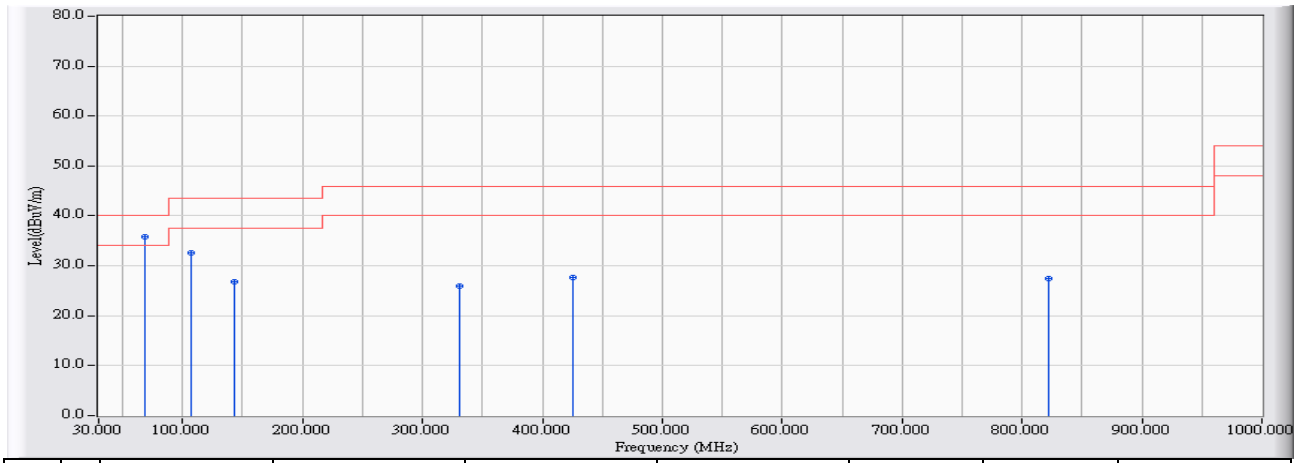


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	106.592	10.165	28.895	39.059	-4.441	43.500	QUASIPEAK
2		142.949	9.985	19.000	28.985	-14.515	43.500	QUASIPEAK
3		283.528	12.466	15.042	27.508	-18.492	46.000	QUASIPEAK
4		487.126	16.922	10.666	27.588	-18.412	46.000	QUASIPEAK
5		801.734	19.218	8.087	27.305	-18.695	46.000	QUASIPEAK
6		892.869	19.454	8.655	28.109	-17.891	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 : 2015/05/09 - 13:23**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(40MHz)_5795MHz**

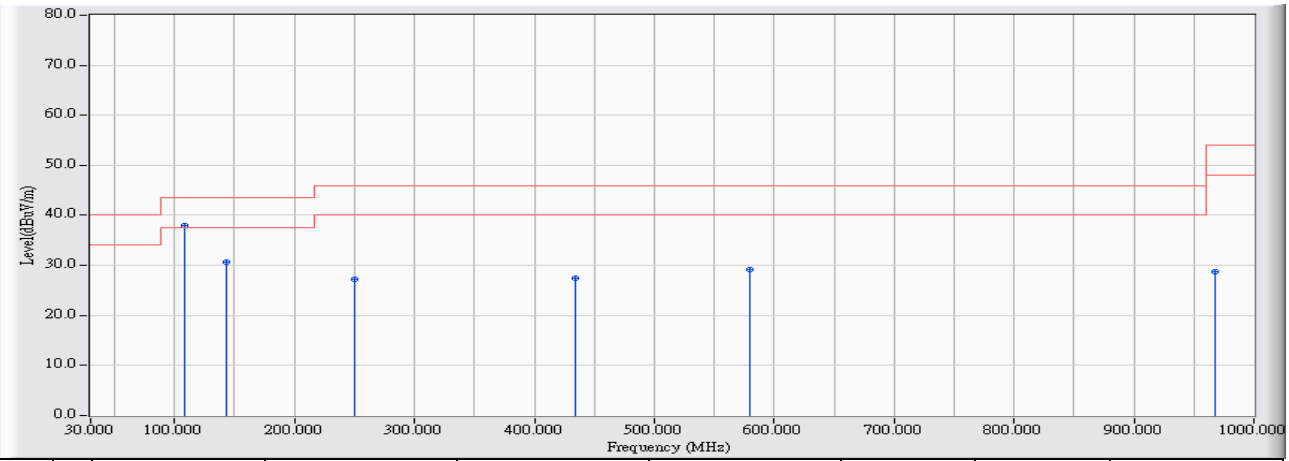


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	68.781	5.555	30.177	35.732	-4.268	40.000	QUASIPEAK
2		106.592	10.165	22.363	32.527	-10.973	43.500	QUASIPEAK
3		142.949	9.985	16.749	26.734	-16.766	43.500	QUASIPEAK
4		330.550	13.485	12.410	25.896	-20.104	46.000	QUASIPEAK
5		426.047	15.682	11.885	27.568	-18.432	46.000	QUASIPEAK
6		822.579	19.272	8.176	27.448	-18.552	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 : 2015/05/09 - 14:27**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11ac(80MHz)_5775MHz**

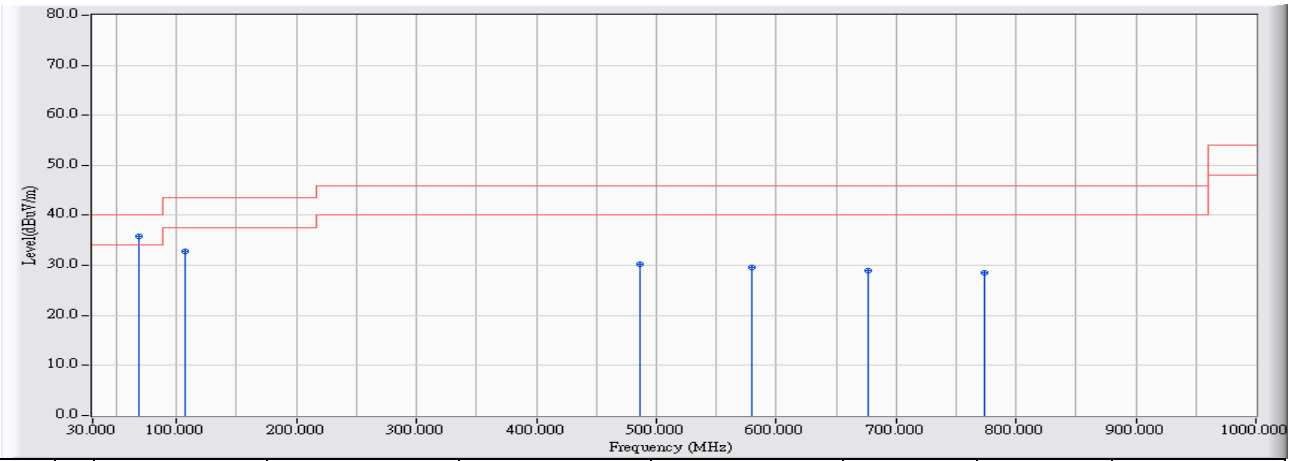


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	108.531	10.259	27.742	38.001	-5.499	43.500	QUASIPEAK
2		142.949	9.985	20.603	30.588	-12.912	43.500	QUASIPEAK
3		249.595	11.849	15.305	27.154	-18.846	46.000	QUASIPEAK
4		434.773	15.860	11.578	27.438	-18.562	46.000	QUASIPEAK
5		579.715	17.422	11.754	29.176	-16.824	46.000	QUASIPEAK
6		967.521	20.024	8.663	28.687	-25.313	54.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2015/05/09 - 13:24**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11ac(80MHz)_5775MHz**



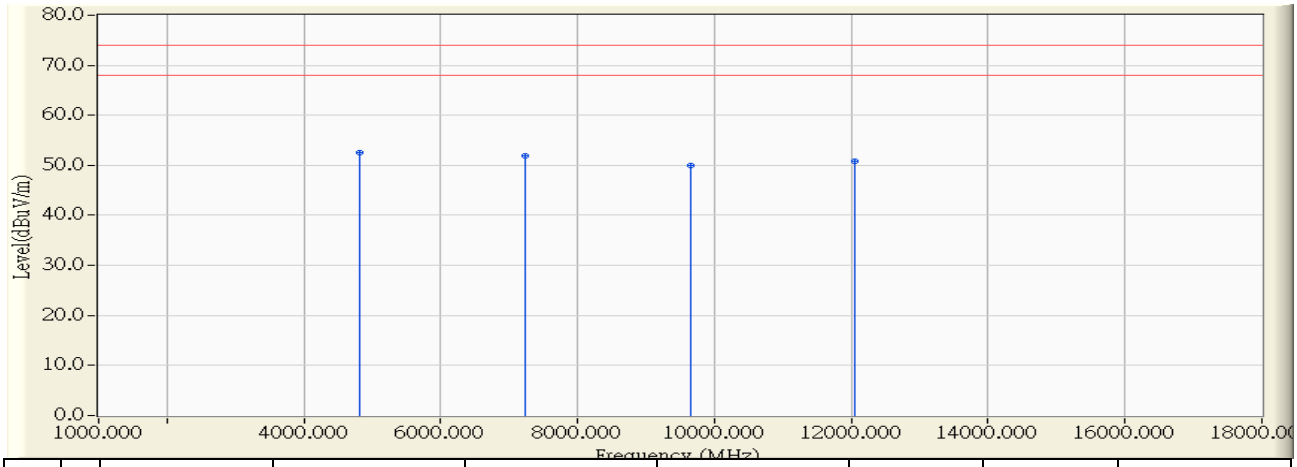
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	68.781	5.555	30.159	35.714	-4.286	40.000	QUASIPEAK
2		106.592	10.165	22.683	32.847	-10.653	43.500	QUASIPEAK
3		486.642	16.912	13.249	30.161	-15.839	46.000	QUASIPEAK
4		579.715	17.422	12.249	29.671	-16.329	46.000	QUASIPEAK
5		676.182	17.871	11.089	28.960	-17.040	46.000	QUASIPEAK
6		773.133	18.886	9.740	28.626	-17.374	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 : 2015/04/23 - 14:36**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11b_2412MHz**

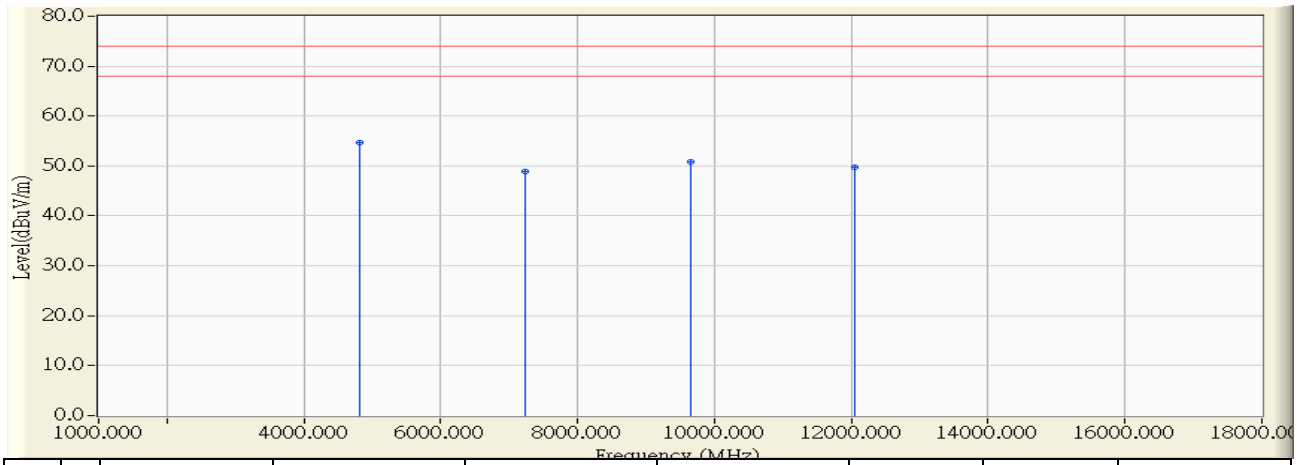


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4824.190	-1.575	54.200	52.625	-21.375	74.000	PEAK
2		7235.210	6.980	44.920	51.900	-22.100	74.000	PEAK
3		9648.130	8.672	41.380	50.052	-23.948	74.000	PEAK
4		12053.053	11.576	39.190	50.766	-23.234	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 : 2015/04/23 - 15:23**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11b_2412MHz**

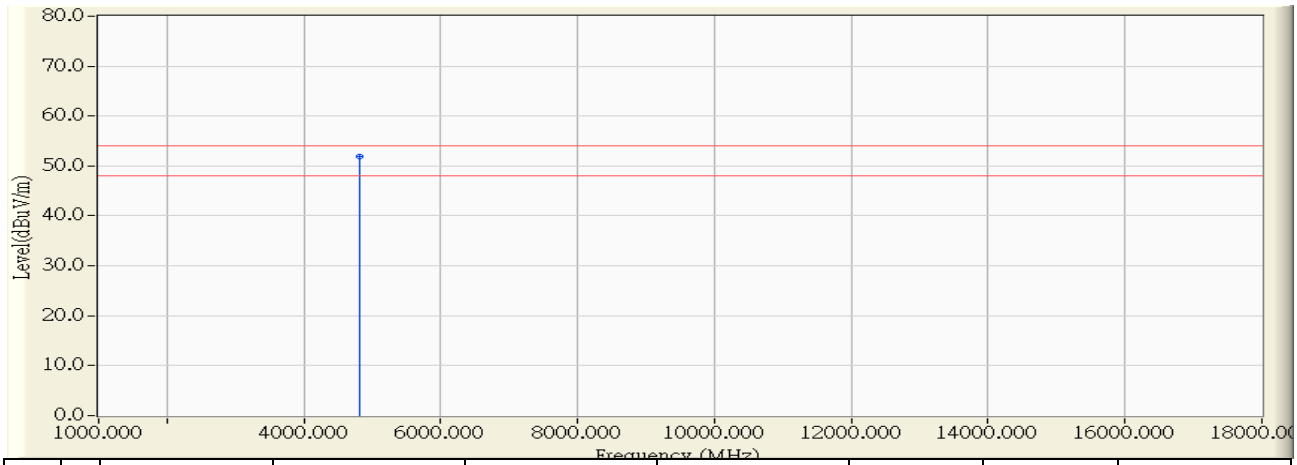


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4824.140	-0.678	55.460	54.782	-19.218	74.000	PEAK
2		7233.670	6.477	42.410	48.887	-25.113	74.000	PEAK
3		9648.000	8.174	42.730	50.903	-23.097	74.000	PEAK
4		12055.840	11.145	38.600	49.746	-24.254	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 : 2015/04/23 - 15:25**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11b_2412MHz**

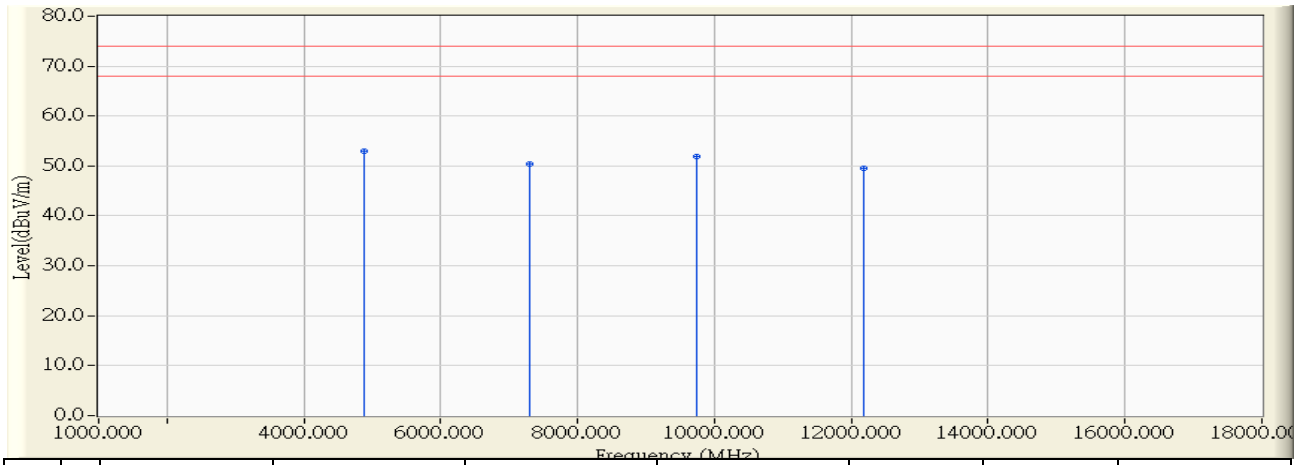


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4824.130	-0.678	52.660	51.982	-2.018	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 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 : 2015/04/23 - 15:33**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11b_2437MHz**

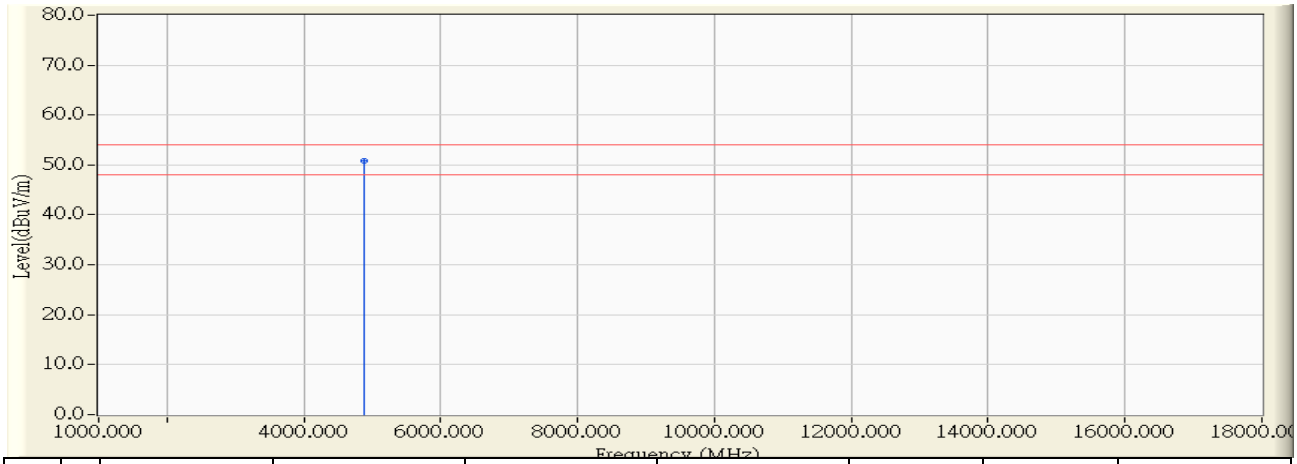


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4874.150	-1.453	54.390	52.937	-21.063	74.000	PEAK
2		7308.510	7.139	43.190	50.329	-23.671	74.000	PEAK
3		9748.290	9.219	42.740	51.960	-22.040	74.000	PEAK
4		12186.380	11.449	38.130	49.578	-24.422	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 : 2015/04/23 - 15:34**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11b_2437MHz**

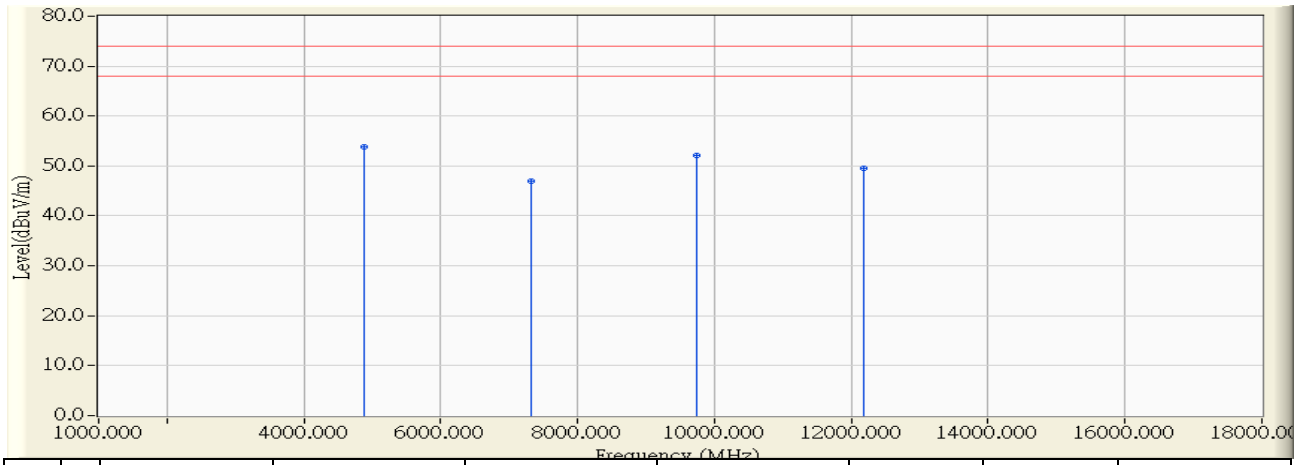


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4874.150	-1.453	52.290	50.837	-3.163	54.000	AVERAGE

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 : 2015/04/23 - 16:17**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11b_2437MHz**

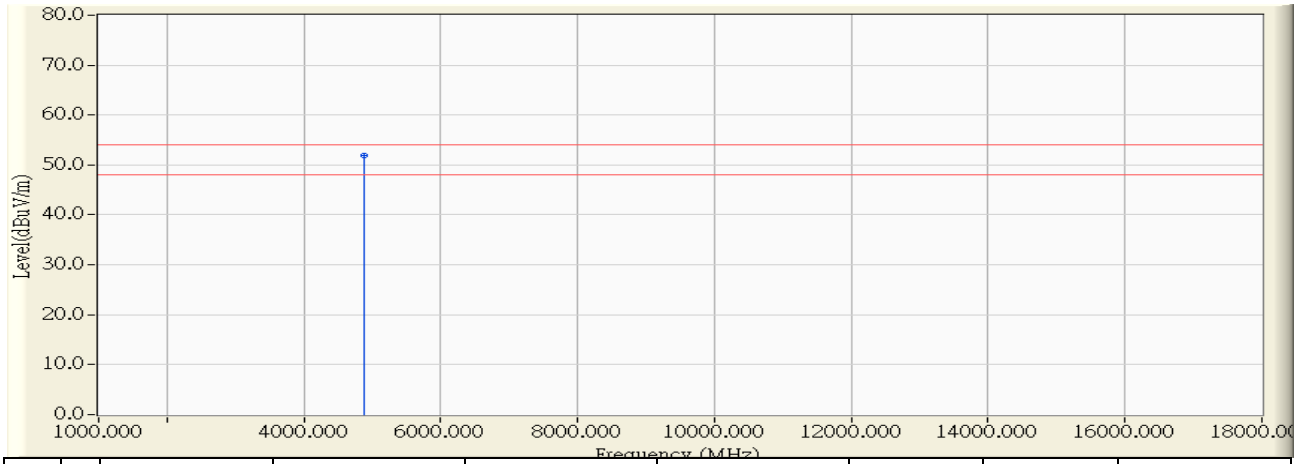


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4874.180	-0.681	54.590	53.909	-20.091	74.000	PEAK
2		7314.408	6.652	40.360	47.012	-26.988	74.000	PEAK
3		9748.250	8.571	43.610	52.182	-21.818	74.000	PEAK
4		12176.490	11.152	38.480	49.631	-24.369	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 : 2015/04/23 - 16:18**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11b_2437MHz**

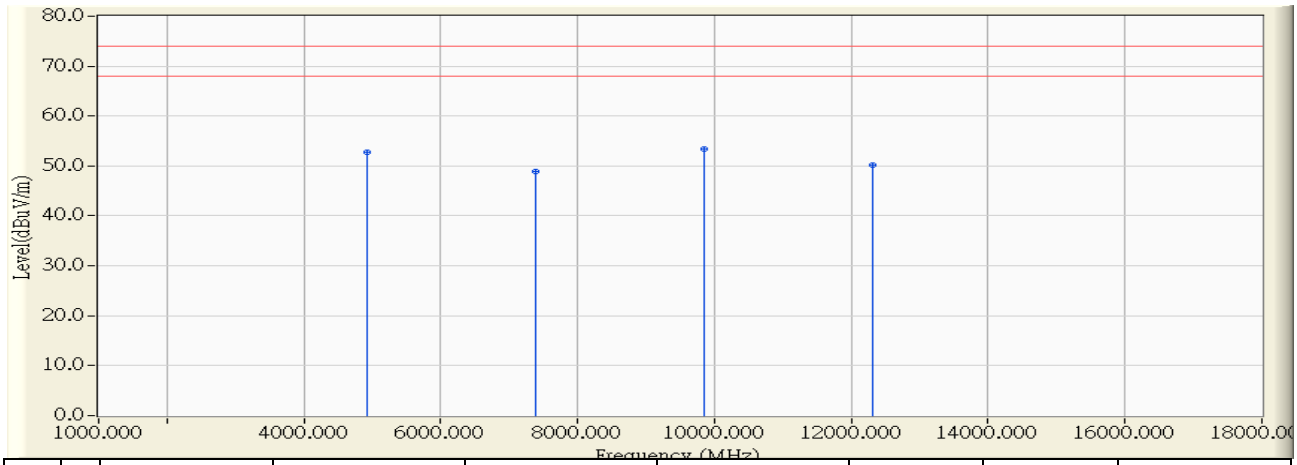


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4874.160	-0.681	52.640	51.959	-2.041	54.000	AVERAGE

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 : 2015/04/23 - 16:31**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11b_2462MHz**

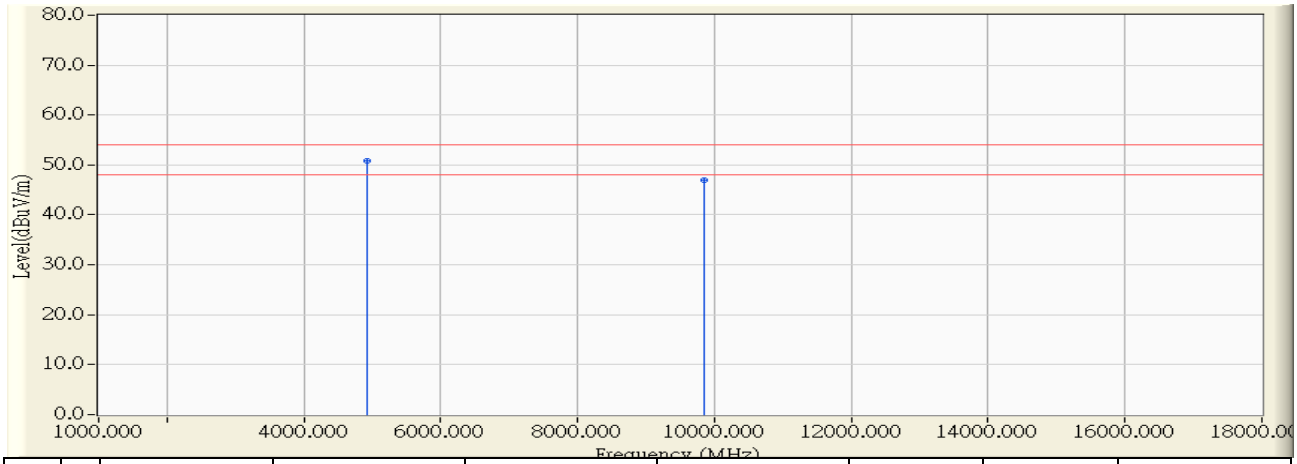


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4924.190	-1.331	54.070	52.739	-21.261	74.000	PEAK
2		7384.100	7.302	41.550	48.852	-25.148	74.000	PEAK
3	*	9848.040	9.766	43.540	53.306	-20.694	74.000	PEAK
4		12304.070	11.336	38.870	50.206	-23.794	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 : 2015/04/23 - 16:32**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11b_2462MHz**

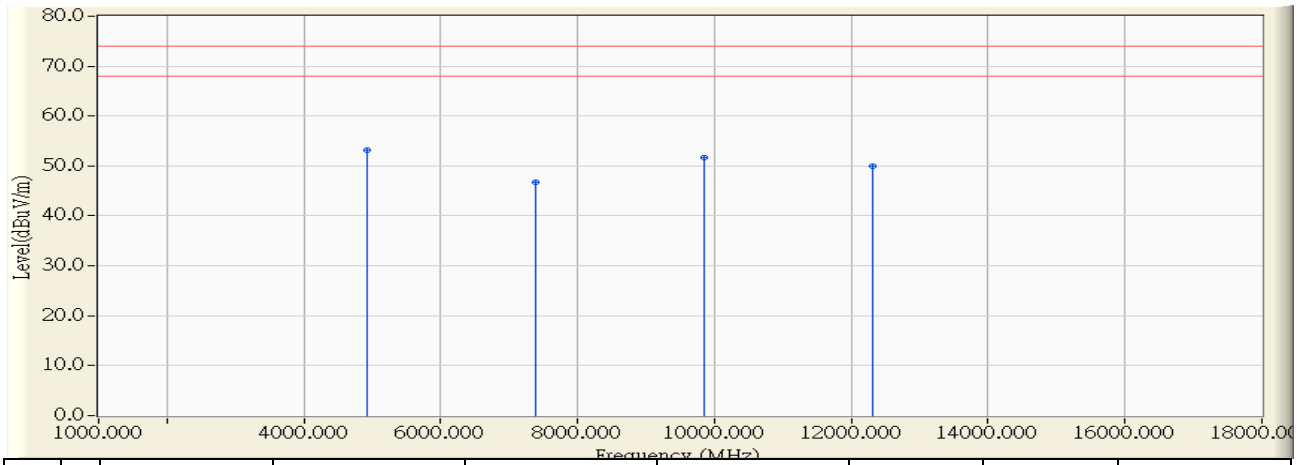


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4924.130	-1.331	52.100	50.769	-3.231	54.000	AVERAGE
2		9848.260	9.767	37.230	46.997	-7.003	54.000	AVERAGE

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 : 2015/04/23 - 17:05**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11b_2462MHz**

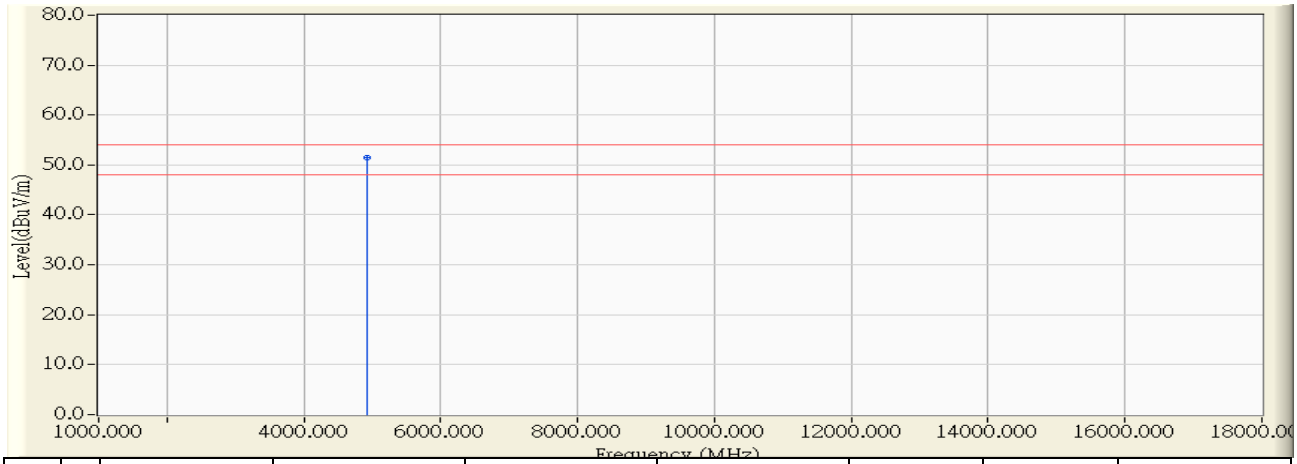


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4924.090	-0.684	53.860	53.176	-20.824	74.000	PEAK
2		7387.270	6.810	39.930	46.739	-27.261	74.000	PEAK
3		9848.220	8.969	42.760	51.729	-22.271	74.000	PEAK
4		12307.730	11.157	38.710	49.867	-24.133	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 : 2015/04/23 - 17:07**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11b_2462MHz**

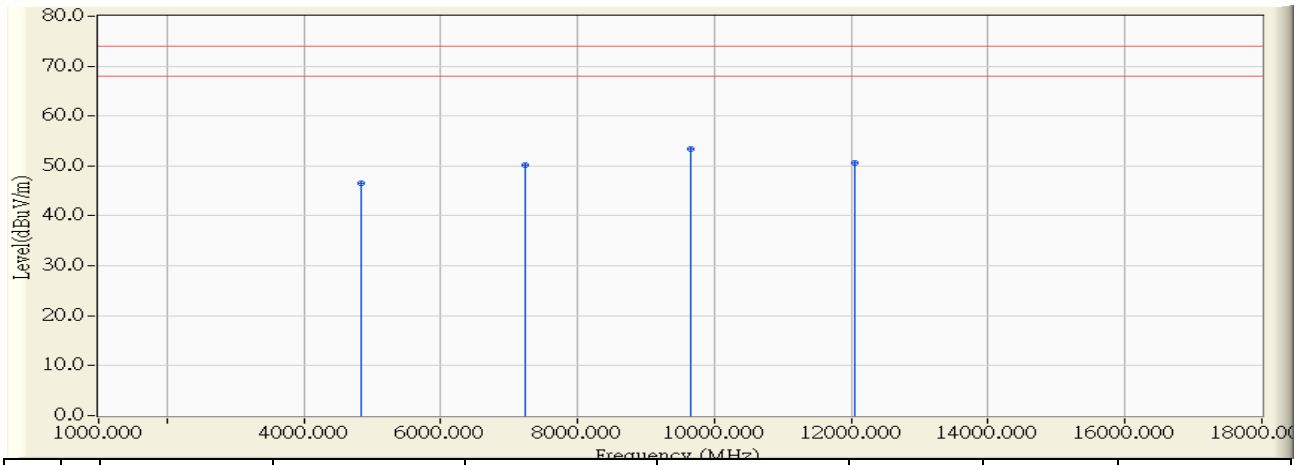


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4924.140	-0.684	52.250	51.566	-2.434	54.000	AVERAGE

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 : 2015/04/28 - 13:29**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11g_2412MHz**

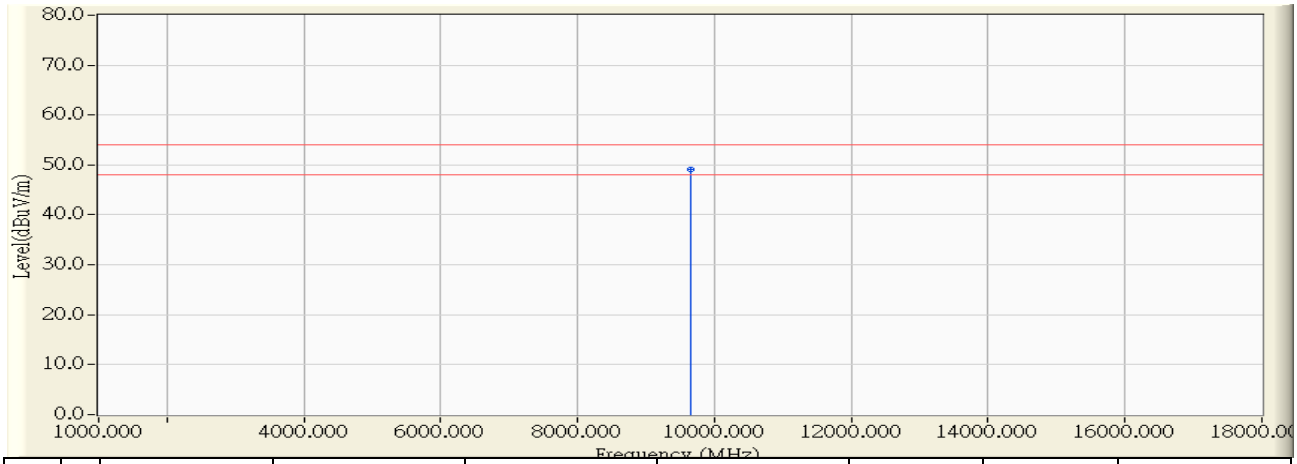


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4825.119	-1.573	48.160	46.588	-27.412	74.000	PEAK
2		7235.440	6.981	43.220	50.201	-23.799	74.000	PEAK
3	*	9648.000	8.671	44.770	53.441	-20.559	74.000	PEAK
4		12041.869	11.586	39.080	50.666	-23.334	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 : 2015/04/28 - 13:30**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11g_2412MHz**

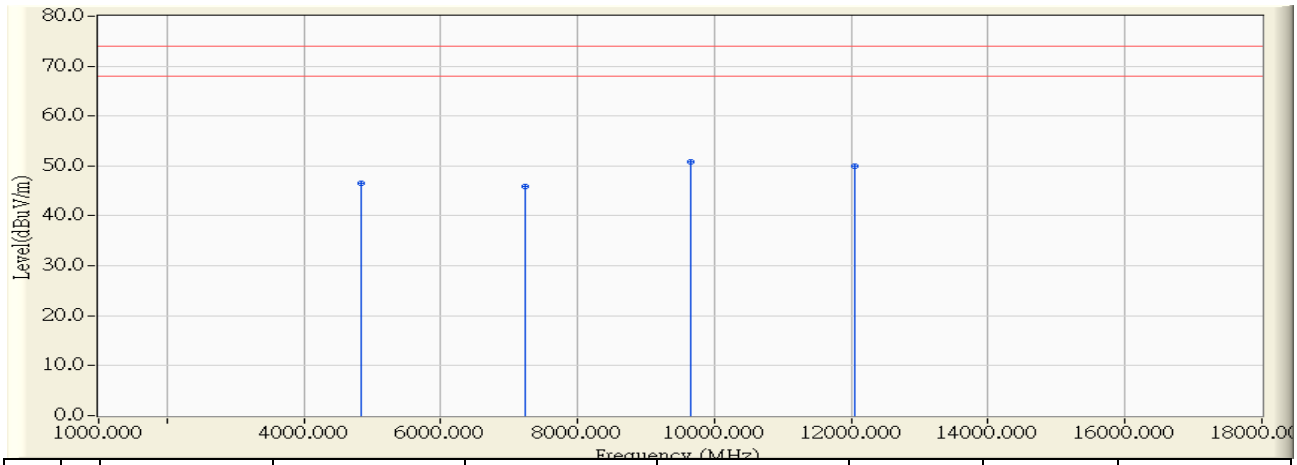


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	9648.280	8.672	40.360	49.032	-4.968	54.000	AVERAGE

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 : 2015/04/28 - 13:51**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11g_2412MHz**

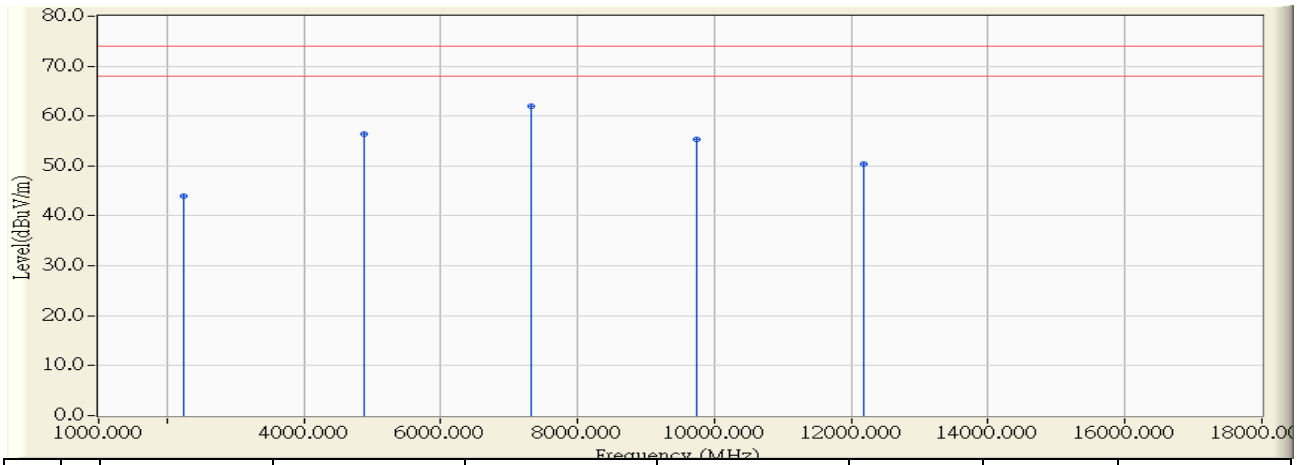


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4826.400	-0.677	47.140	46.462	-27.538	74.000	PEAK
2		7240.938	6.492	39.410	45.903	-28.097	74.000	PEAK
3	*	9648.564	8.175	42.650	50.826	-23.174	74.000	PEAK
4		12055.730	11.146	38.900	50.046	-23.954	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 : 2015/04/28 - 13:58**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11g_2437MHz**

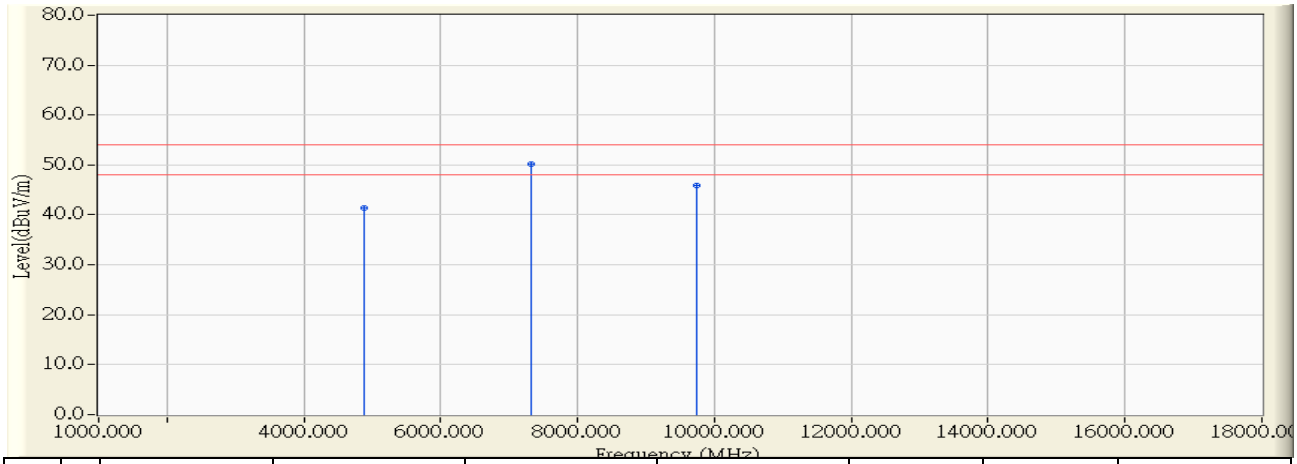


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2236.000	-6.407	50.360	43.953	-30.047	74.000	PEAK
2		4876.119	-1.447	57.850	56.402	-17.598	74.000	PEAK
3	*	7313.020	7.149	54.770	61.919	-12.081	74.000	PEAK
4		9748.500	9.220	46.160	55.381	-18.619	74.000	PEAK
5		12191.640	11.444	38.890	50.333	-23.667	74.000	PEAK

Note:

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

Site : CB1	**Time : 2015/04/28 - 13:58**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11g_2437MHz**

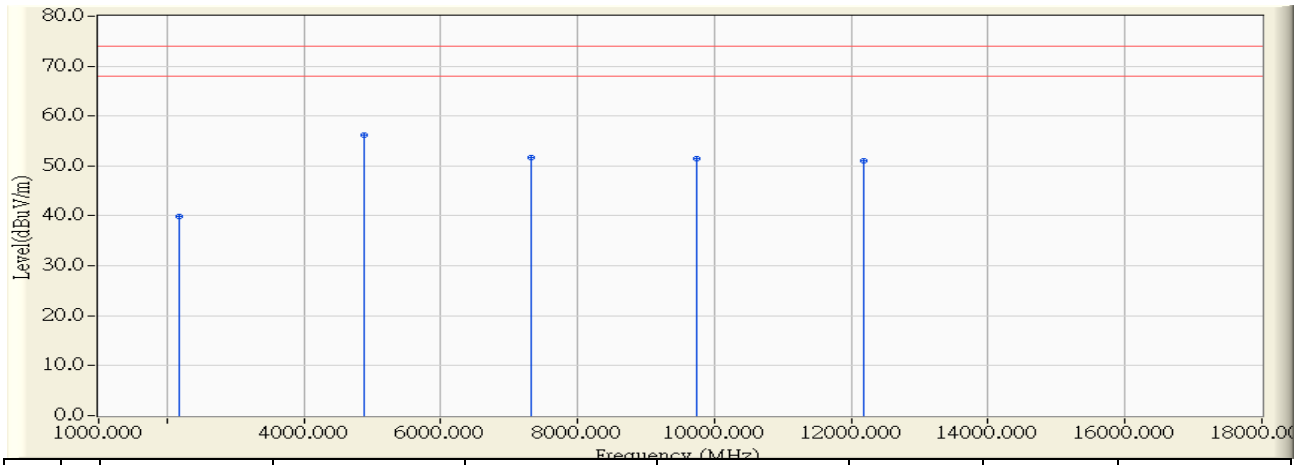


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4880.090	-1.438	42.760	41.322	-12.678	54.000	AVERAGE
2	*	7315.170	7.153	42.960	50.113	-3.887	54.000	AVERAGE
3		9748.530	9.221	36.630	45.851	-8.149	54.000	AVERAGE

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 : 2015/04/28 - 14:23**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11g_2437MHz**

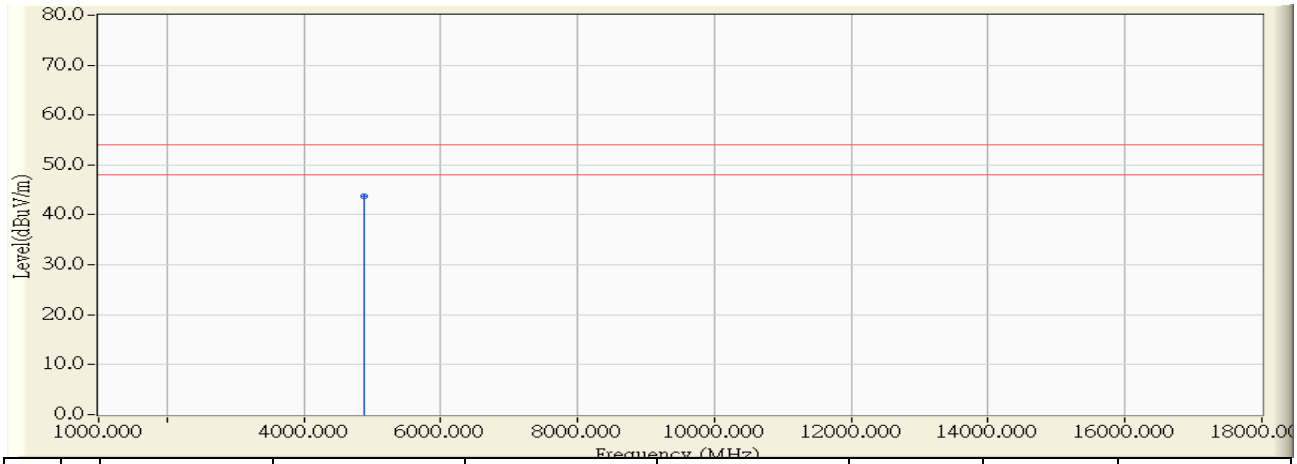


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2186.700	-6.516	46.390	39.874	-34.126	74.000	PEAK
2	*	4871.950	-0.680	56.920	56.239	-17.761	74.000	PEAK
3		7314.048	6.651	45.040	51.691	-22.309	74.000	PEAK
4		9748.000	8.570	42.980	51.551	-22.449	74.000	PEAK
5		12183.485	11.152	39.960	51.111	-22.889	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 : 2015/04/28 - 14:27**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11g_2437MHz**

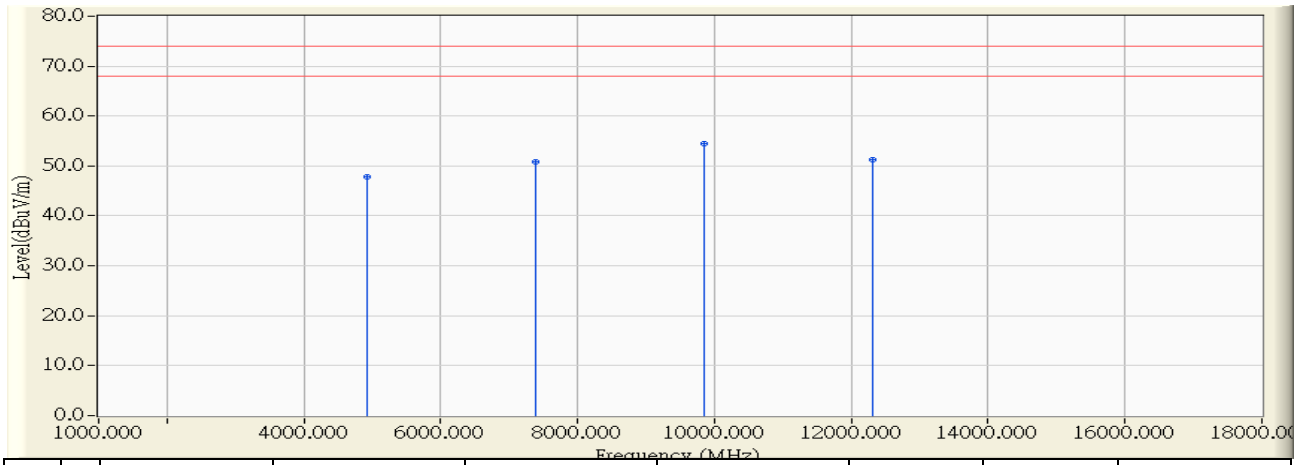


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4874.250	-0.681	44.390	43.709	-10.291	54.000	AVERAGE

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 : 2015/04/28 - 14:50**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11g_2462MHz**

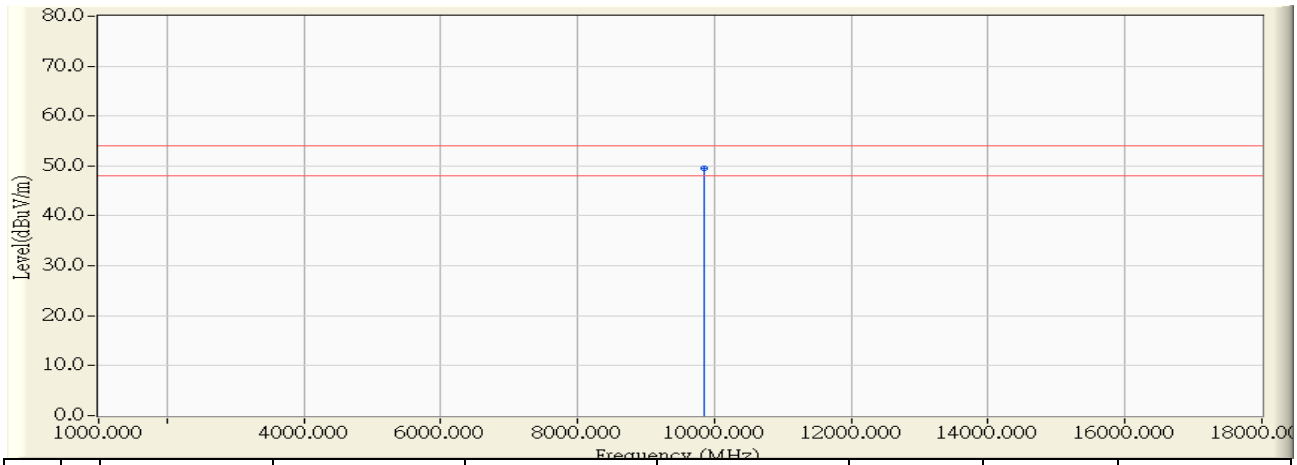


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4926.124	-1.325	49.240	47.914	-26.086	74.000	PEAK
2		7377.529	7.288	43.570	50.858	-23.142	74.000	PEAK
3	*	9848.549	9.769	44.800	54.569	-19.431	74.000	PEAK
4		12309.570	11.331	39.920	51.250	-22.750	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 : 2015/04/28 - 14:50**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11g_2462MHz**

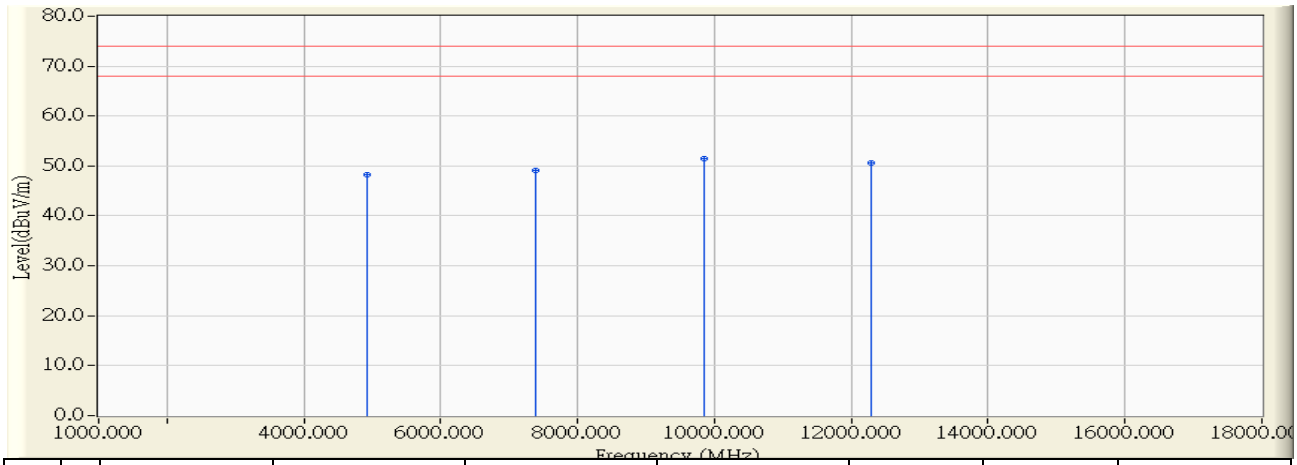


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	9848.343	9.768	39.730	49.498	-4.502	54.000	AVERAGE

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 : 2015/04/28 - 15:45**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11g_2462MHz**

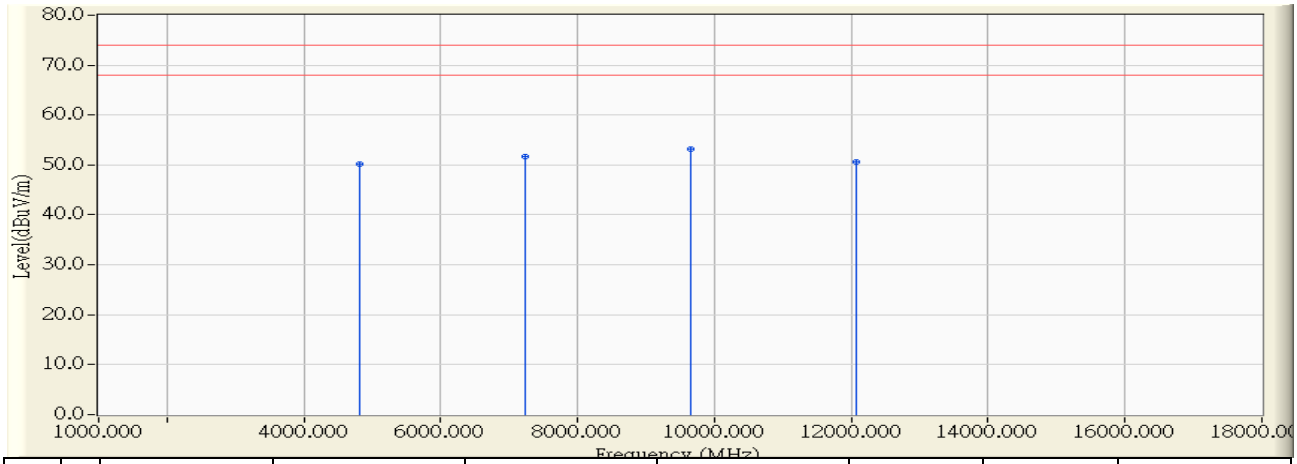


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4925.899	-0.683	48.910	48.226	-25.774	74.000	PEAK
2		7377.654	6.788	42.230	49.018	-24.982	74.000	PEAK
3	*	9848.449	8.970	42.580	51.550	-22.450	74.000	PEAK
4		12297.200	11.156	39.550	50.706	-23.294	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 : 2015/04/28 - 16:05**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(20MHz) _2412MHz**

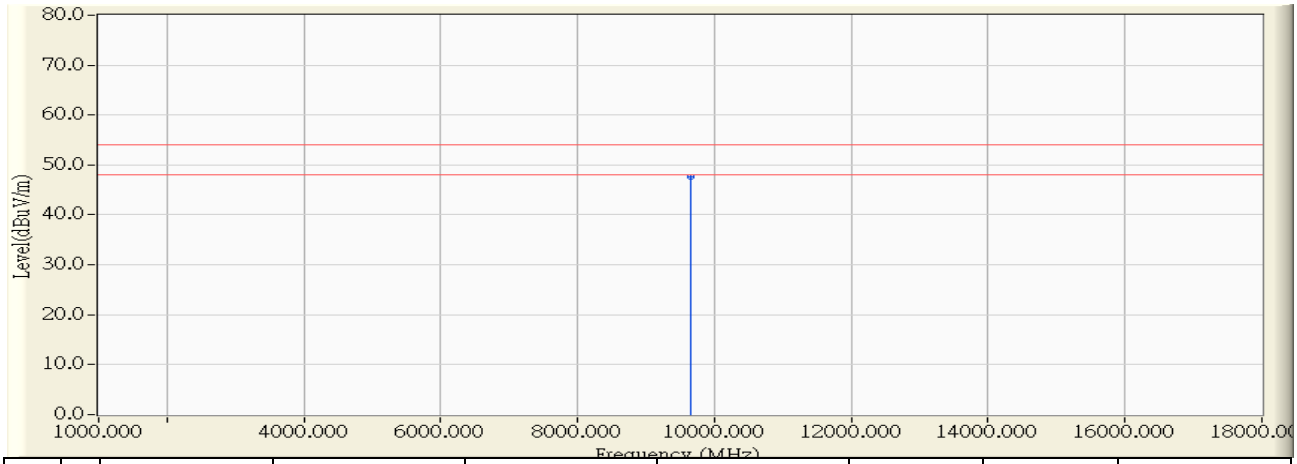


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4824.250	-1.575	51.660	50.086	-23.914	74.000	PEAK
2		7231.450	6.972	44.810	51.782	-22.218	74.000	PEAK
3	*	9648.300	8.673	44.560	53.232	-20.768	74.000	PEAK
4		12063.063	11.566	38.980	50.546	-23.454	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 : 2015/04/28 - 16:06**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(20MHz) _2412MHz**

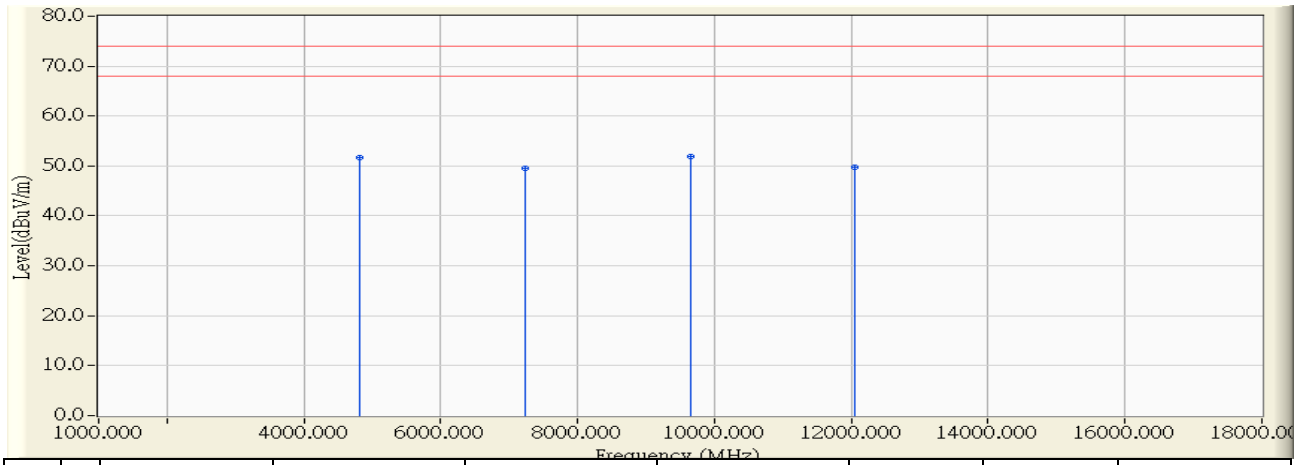


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	9648.419	8.673	38.990	47.663	-6.337	54.000	AVERAGE

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 : 2015/04/28 - 16:26**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(20MHz) _2412MHz**

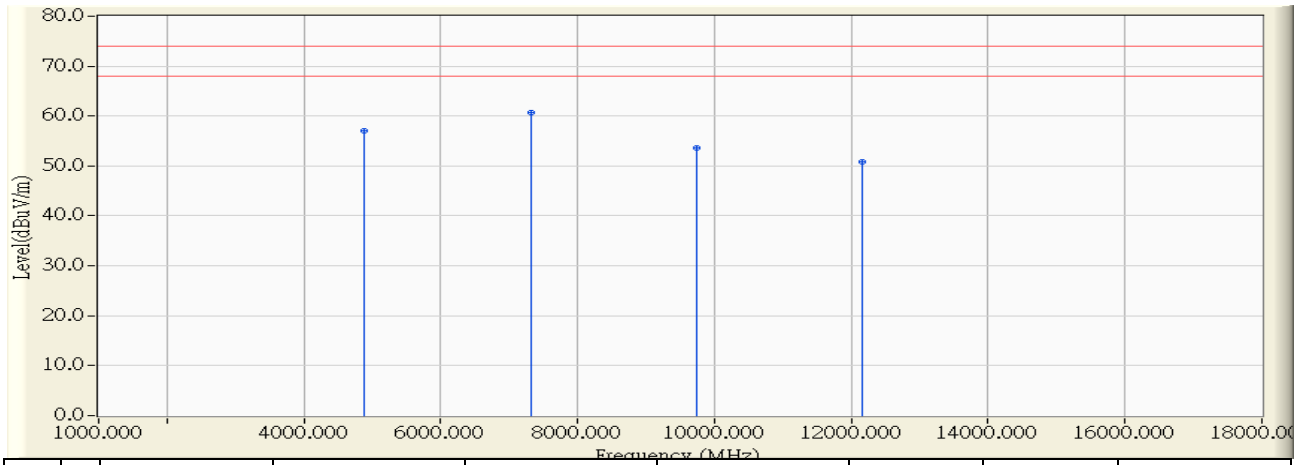


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4824.150	-0.678	52.380	51.702	-22.298	74.000	PEAK
2		7231.502	6.472	42.980	49.452	-24.548	74.000	PEAK
3	*	9648.399	8.175	43.660	51.835	-22.165	74.000	PEAK
4		12060.394	11.146	38.700	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 : 2015/04/28 - 16:32**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(20MHz) _2437MHz**

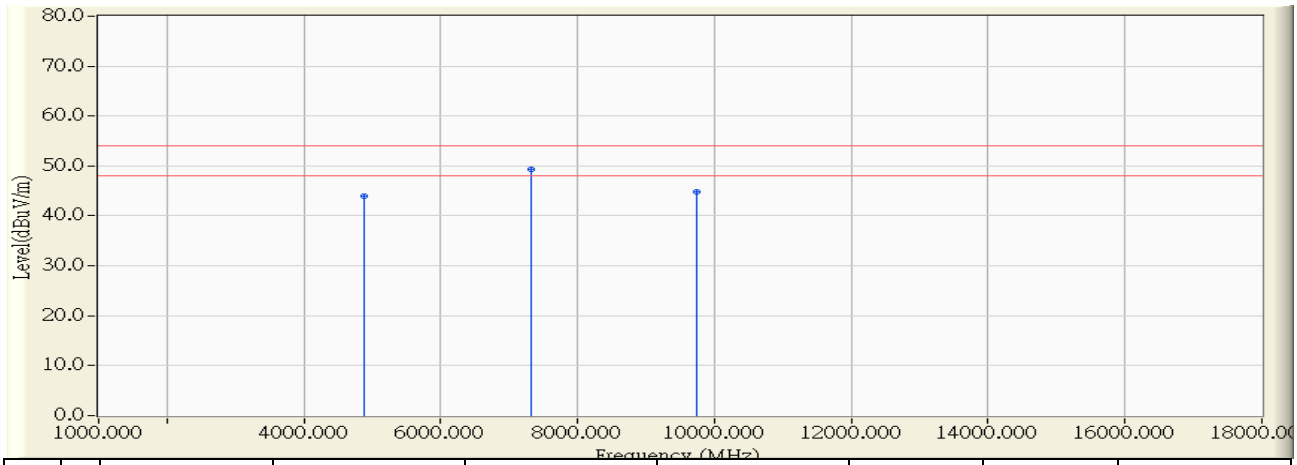


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.175	-1.453	58.480	57.027	-16.973	74.000	PEAK
2	*	7319.346	7.163	53.450	60.612	-13.388	74.000	PEAK
3		9748.800	9.222	44.420	53.643	-20.357	74.000	PEAK
4		12169.580	11.464	39.340	50.804	-23.196	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 : 2015/04/28 - 16:32**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(20MHz) _2437MHz**

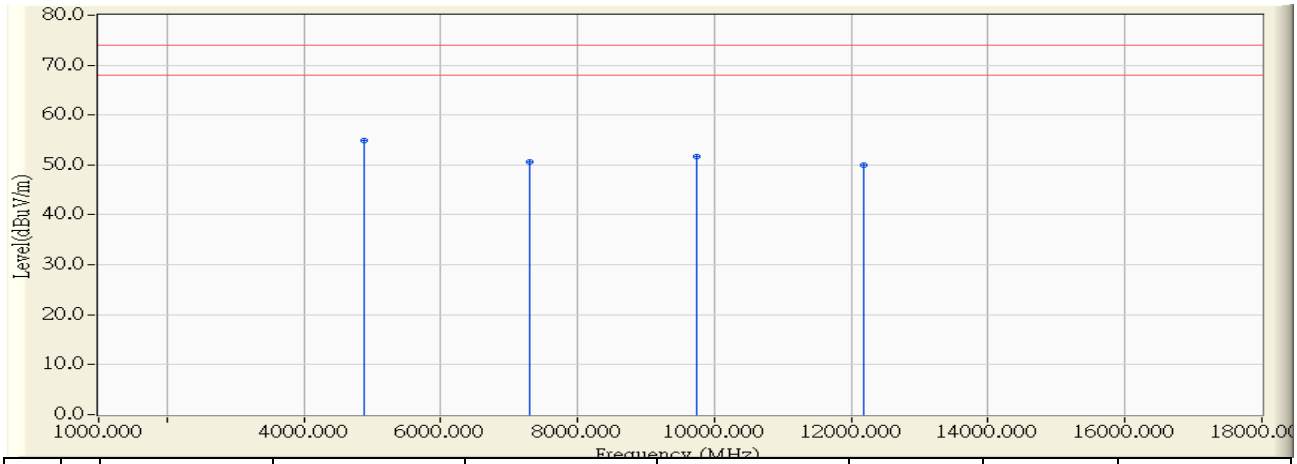


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.250	-1.453	45.350	43.897	-10.103	54.000	AVERAGE
2	*	7314.948	7.153	42.270	49.423	-4.577	54.000	AVERAGE
3		9748.580	9.221	35.710	44.931	-9.069	54.000	AVERAGE

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 : 2015/04/28 - 17:07**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(20MHz) _2437MHz**

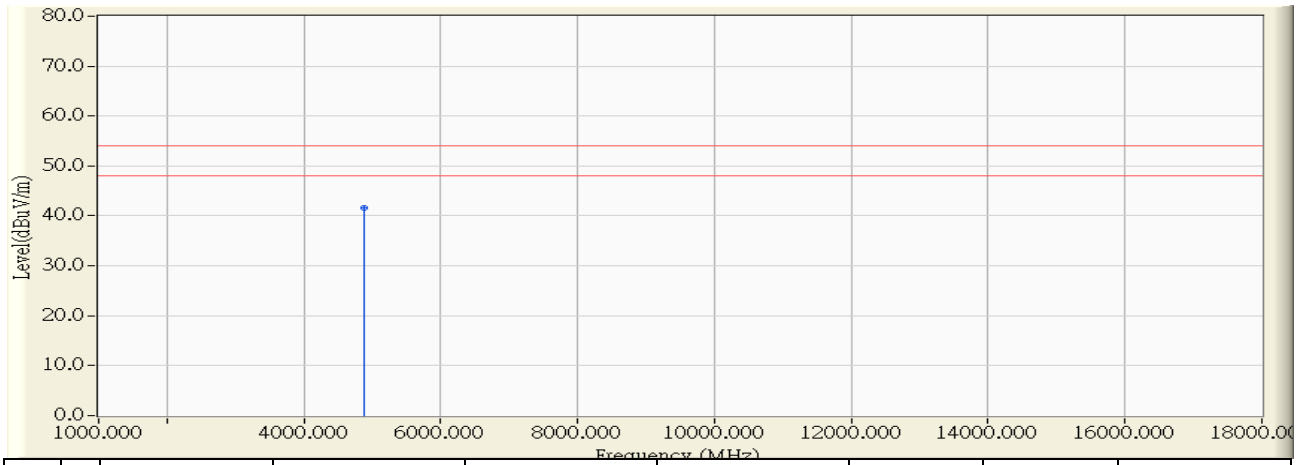


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4874.324	-0.681	55.690	55.009	-18.991	74.000	PEAK
2		7308.550	6.639	44.070	50.709	-23.291	74.000	PEAK
3		9748.634	8.573	43.130	51.703	-22.297	74.000	PEAK
4		12175.630	11.151	38.900	50.051	-23.949	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 : 2015/04/28 - 17:07**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(20MHz) _2437MHz**

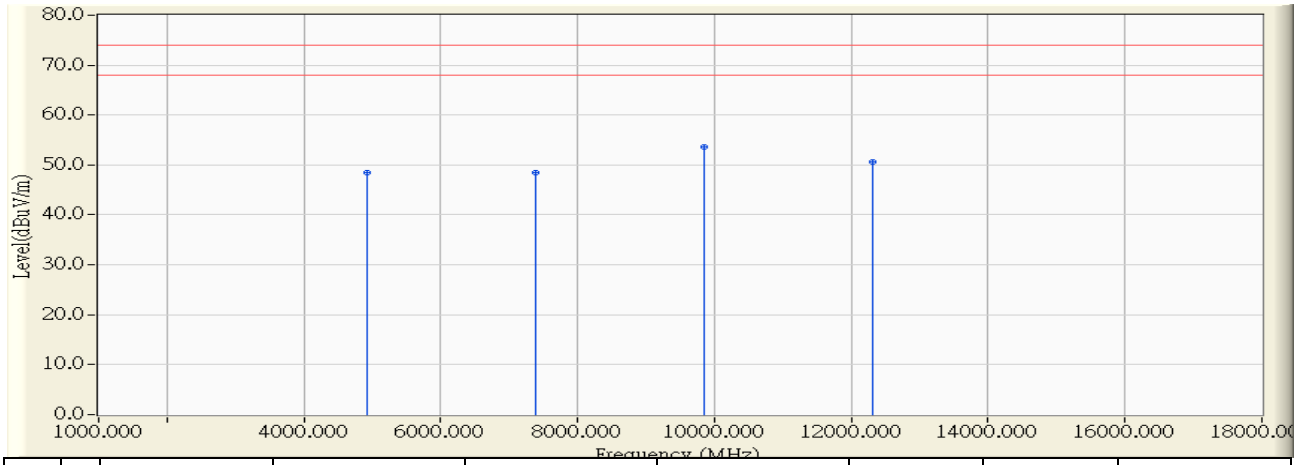


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4874.220	-0.681	42.290	41.609	-12.391	54.000	AVERAGE

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 : 2015/04/28 - 17:20**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_ 802.11n(20MHz) _2462MHz**

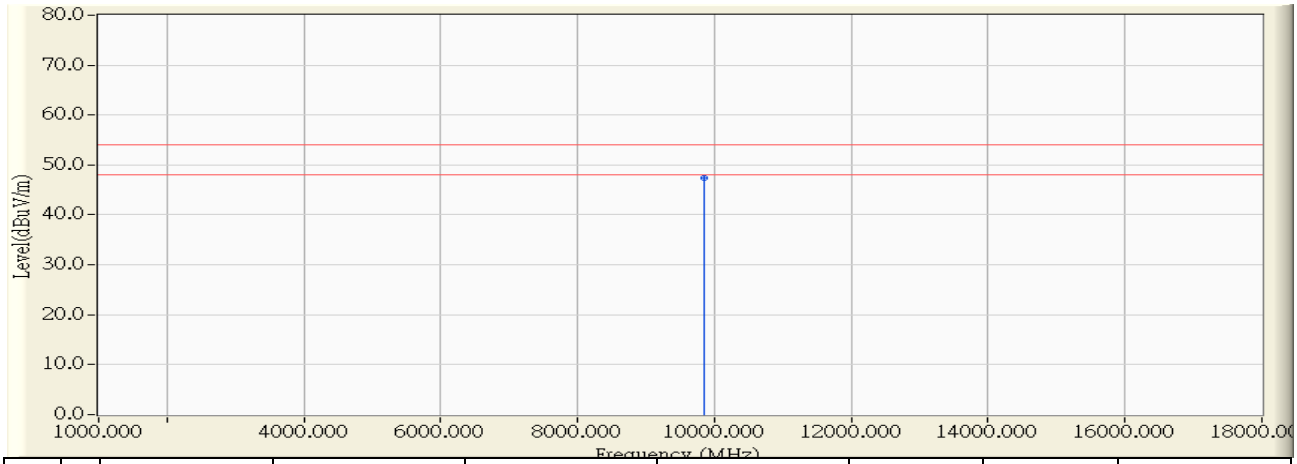


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4924.220	-1.331	49.710	48.379	-25.621	74.000	PEAK
2		7385.825	7.306	41.270	48.576	-25.424	74.000	PEAK
3	*	9848.650	9.769	43.780	53.549	-20.451	74.000	PEAK
4		12305.470	11.334	39.320	50.654	-23.346	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 : 2015/04/28 - 17:21**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(20MHz) _2462MHz**

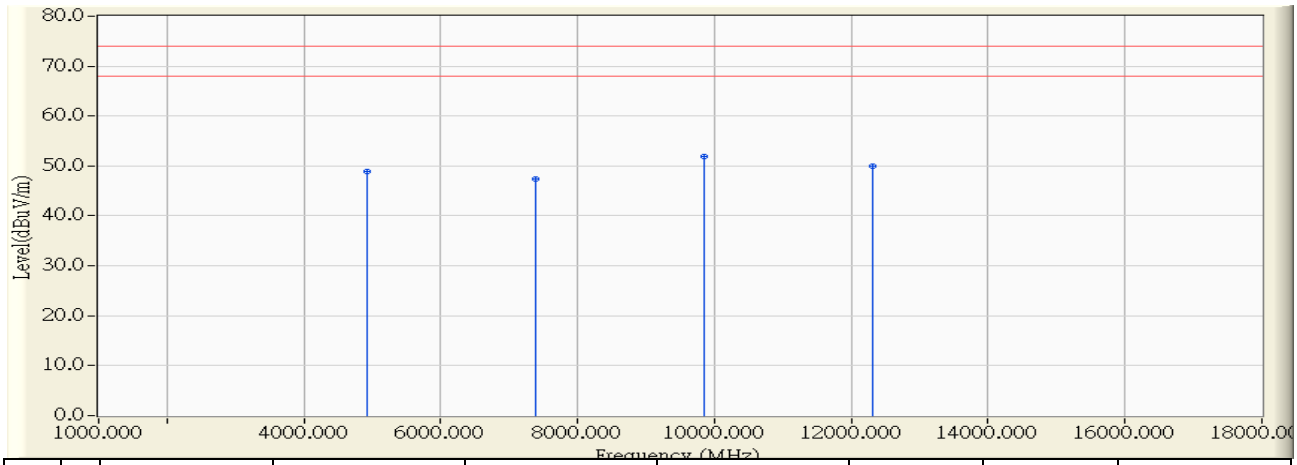


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	9848.529	9.769	37.590	47.359	-6.641	54.000	AVERAGE

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 : 2015/04/28 - 17:34**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(20MHz) _2462MHz**

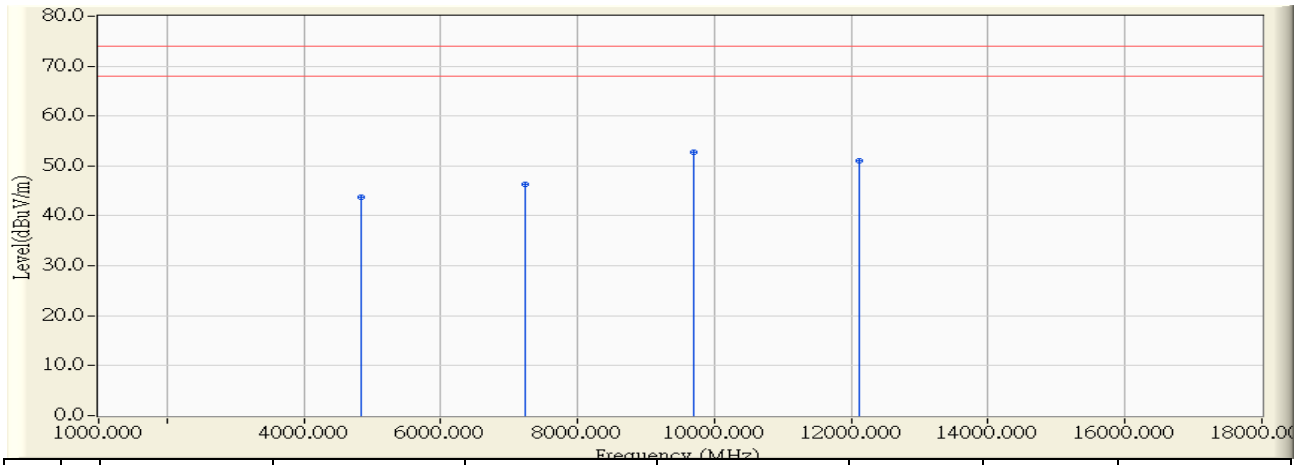


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4924.300	-0.684	49.560	48.876	-25.124	74.000	PEAK
2		7383.051	6.800	40.500	47.300	-26.700	74.000	PEAK
3	*	9848.669	8.971	42.940	51.911	-22.089	74.000	PEAK
4		12309.510	11.157	38.710	49.867	-24.133	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 : 2015/04/28 - 17:45**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(40MHz) _2422MHz**

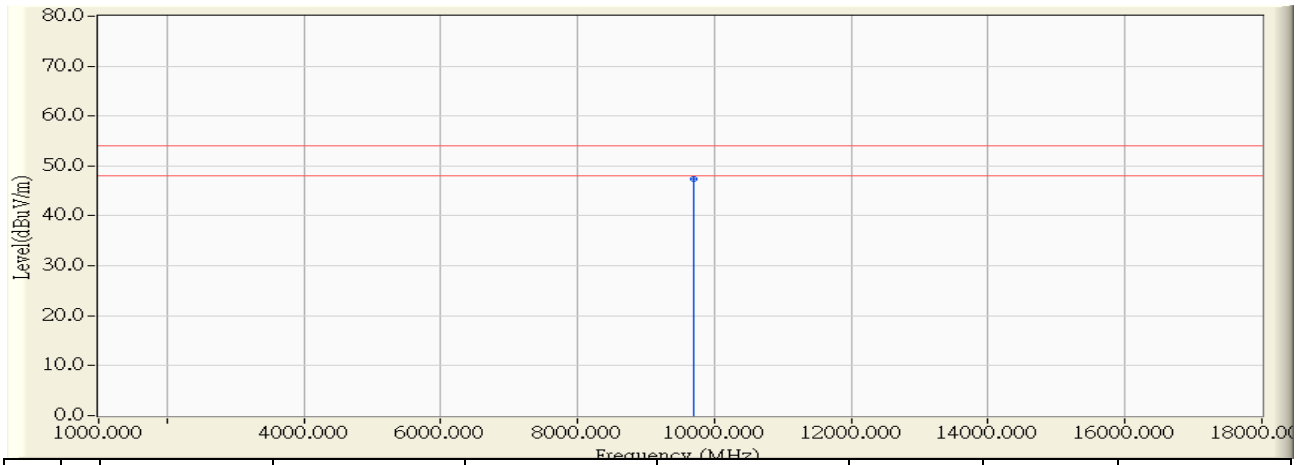


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4844.390	-1.525	45.310	43.785	-30.215	74.000	PEAK
2		7238.830	6.989	39.330	46.318	-27.682	74.000	PEAK
3	*	9688.680	8.893	43.790	52.684	-21.316	74.000	PEAK
4		12123.540	11.508	39.610	51.118	-22.882	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 : 2015/04/28 - 17:45**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(40MHz) _2422MHz**

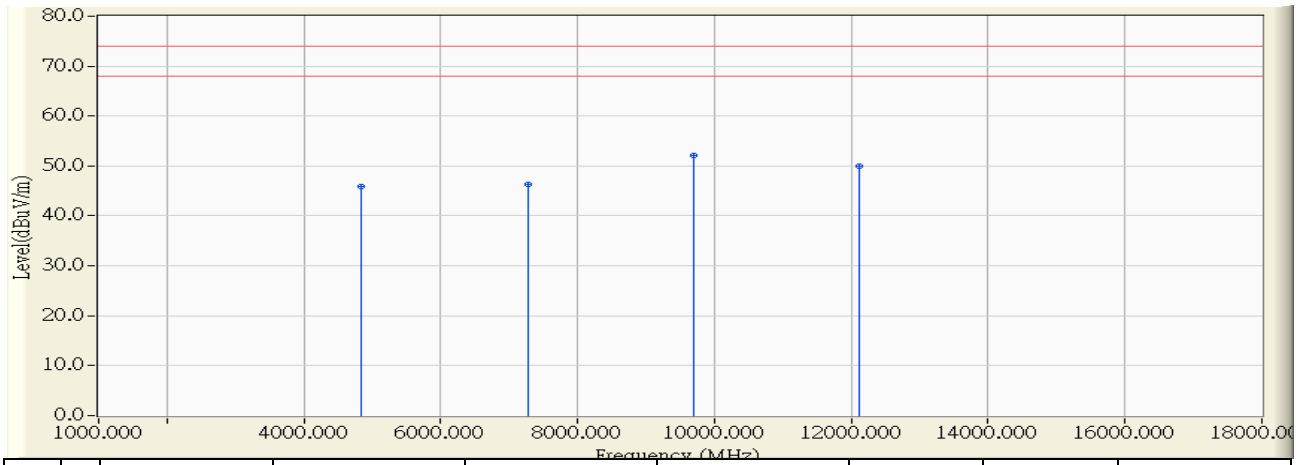


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	9688.449	8.892	38.410	47.302	-6.698	54.000	AVERAGE

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 : 2015/04/28 - 19:02**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(40MHz) _2422MHz**

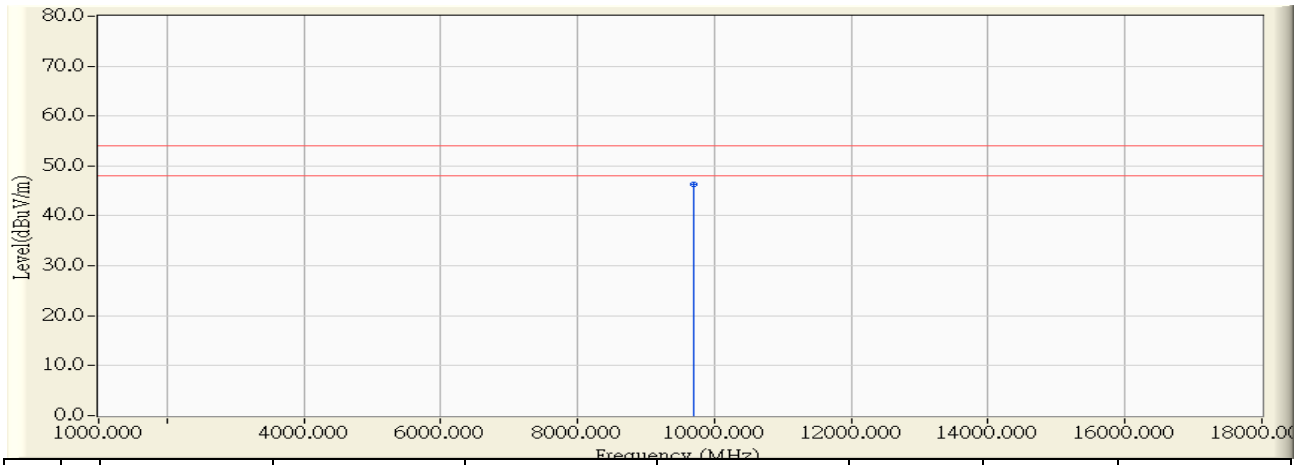


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4844.250	-0.679	46.650	45.971	-28.029	74.000	PEAK
2		7276.940	6.571	39.740	46.311	-27.689	74.000	PEAK
3	*	9688.050	8.333	43.880	52.213	-21.787	74.000	PEAK
4		12116.170	11.149	38.750	49.899	-24.101	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 : 2015/04/28 - 19:02**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(40MHz) _2422MHz**

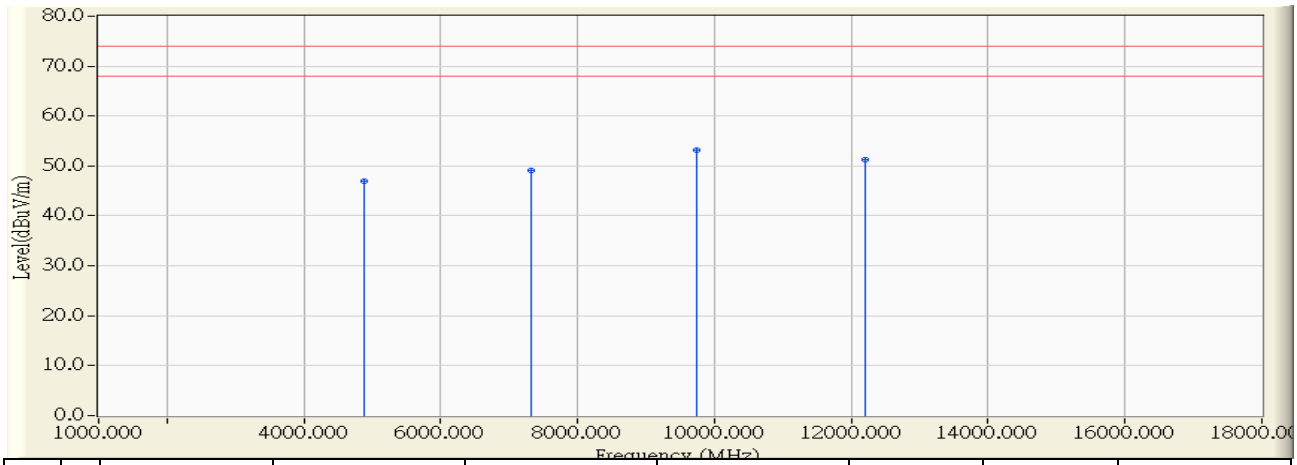


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	9688.249	8.333	37.950	46.283	-7.717	54.000	AVERAGE

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 : 2015/04/28 - 19:18**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(40MHz)_2437MHz**

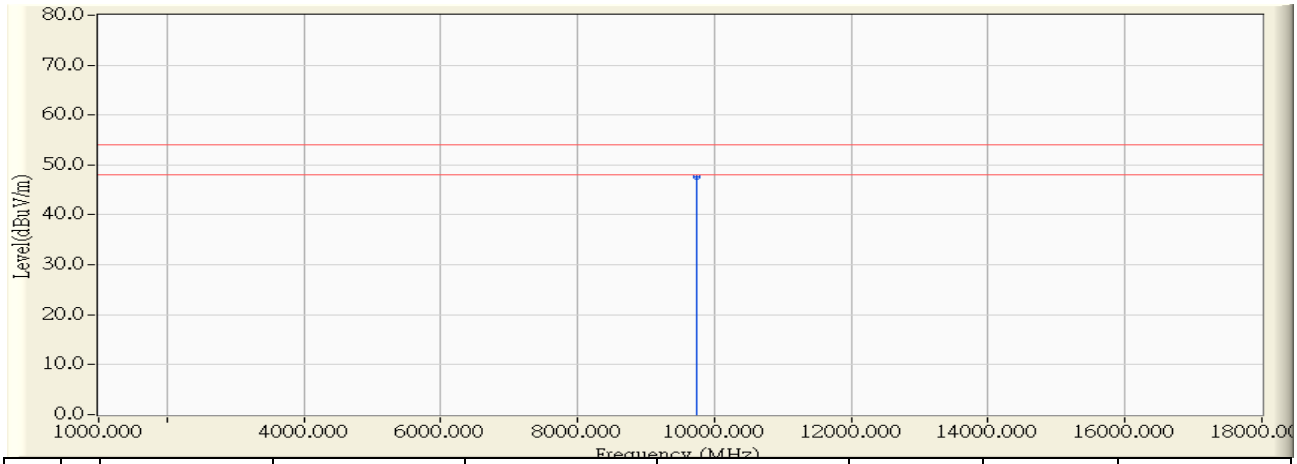


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.225	-1.453	48.520	47.067	-26.933	74.000	PEAK
2		7319.370	7.163	41.920	49.082	-24.918	74.000	PEAK
3	*	9748.300	9.219	43.950	53.170	-20.830	74.000	PEAK
4		12196.044	11.438	39.770	51.209	-22.791	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 : 2015/04/28 - 19:19**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(40MHz) _2437MHz**

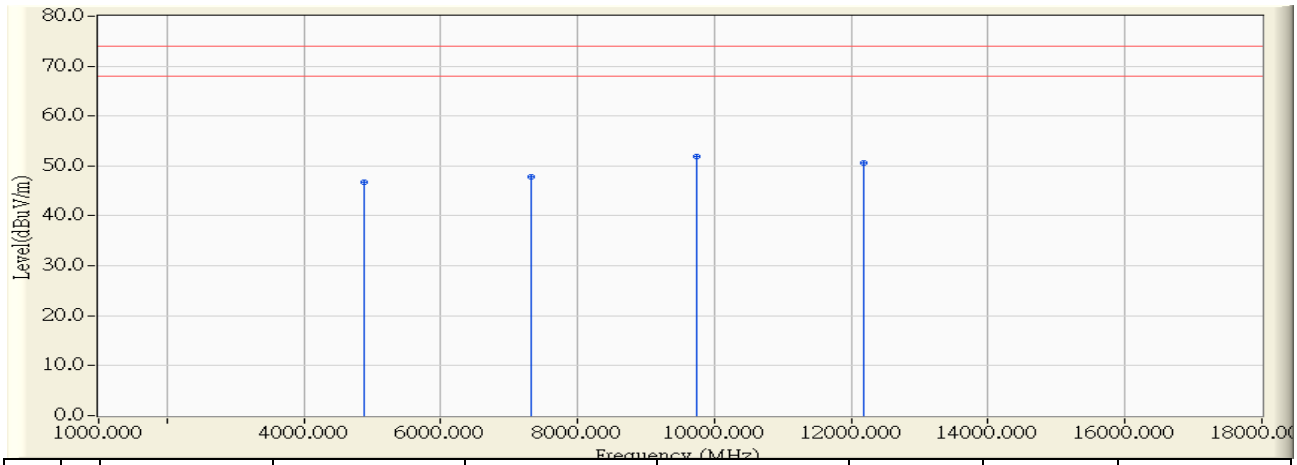


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	9748.429	9.220	38.380	47.601	-6.399	54.000	AVERAGE

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 : 2015/04/28 - 19:36**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(40MHz) _2437MHz**

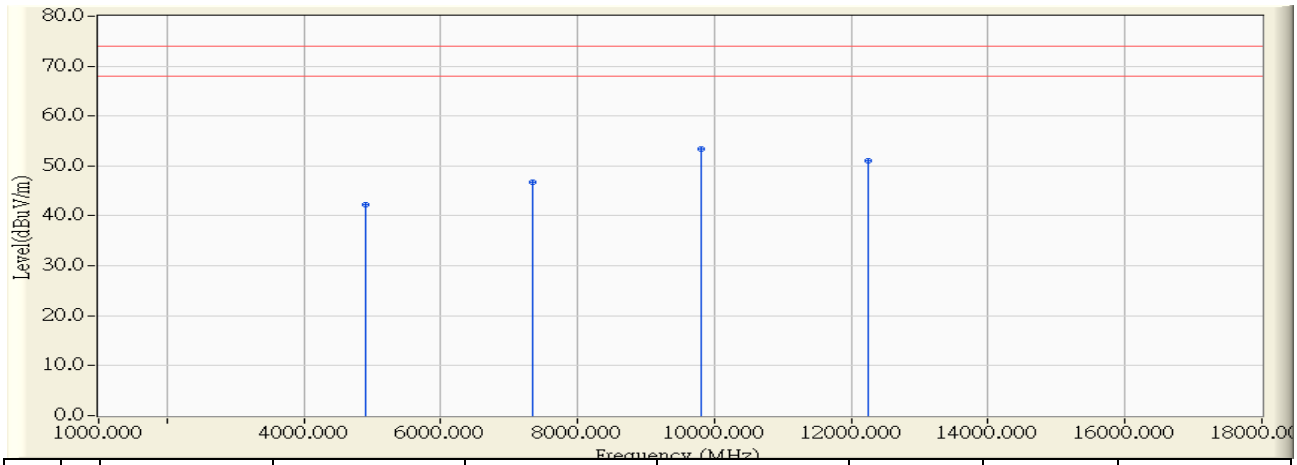


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.125	-0.681	47.390	46.709	-27.291	74.000	PEAK
2		7314.623	6.652	41.070	47.722	-26.278	74.000	PEAK
3	*	9748.509	8.572	43.230	51.803	-22.197	74.000	PEAK
4		12172.700	11.151	39.380	50.531	-23.469	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 : 2015/04/28 - 19:43**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(40MHz)_2452MHz**

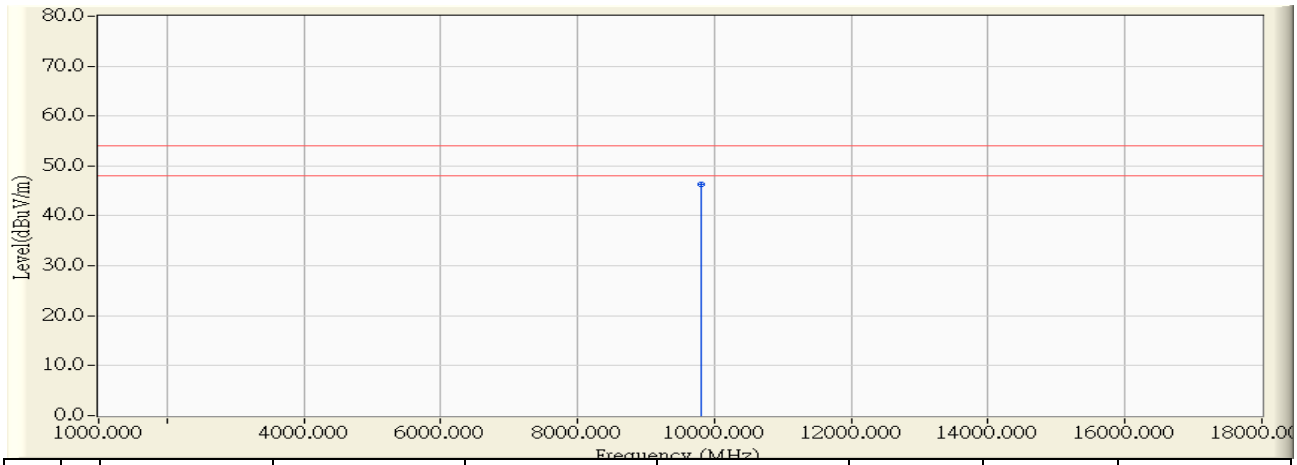


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4904.350	-1.380	43.720	42.341	-31.659	74.000	PEAK
2		7339.100	7.205	39.470	46.675	-27.325	74.000	PEAK
3	*	9808.300	9.549	43.890	53.438	-20.562	74.000	PEAK
4		12237.011	11.399	39.630	51.030	-22.970	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 : 2015/04/28 - 19:43**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(40MHz)_ 2452MHz**

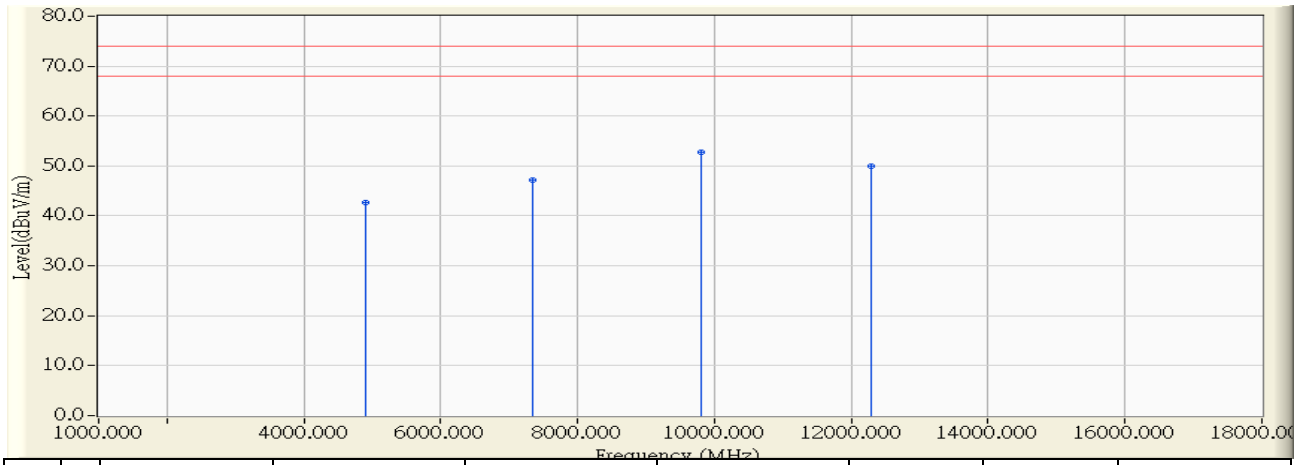


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	9808.450	9.549	36.870	46.419	-7.581	54.000	AVERAGE

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 : 2015/04/28 - 19:45**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(40MHz)_ 2452MHz**

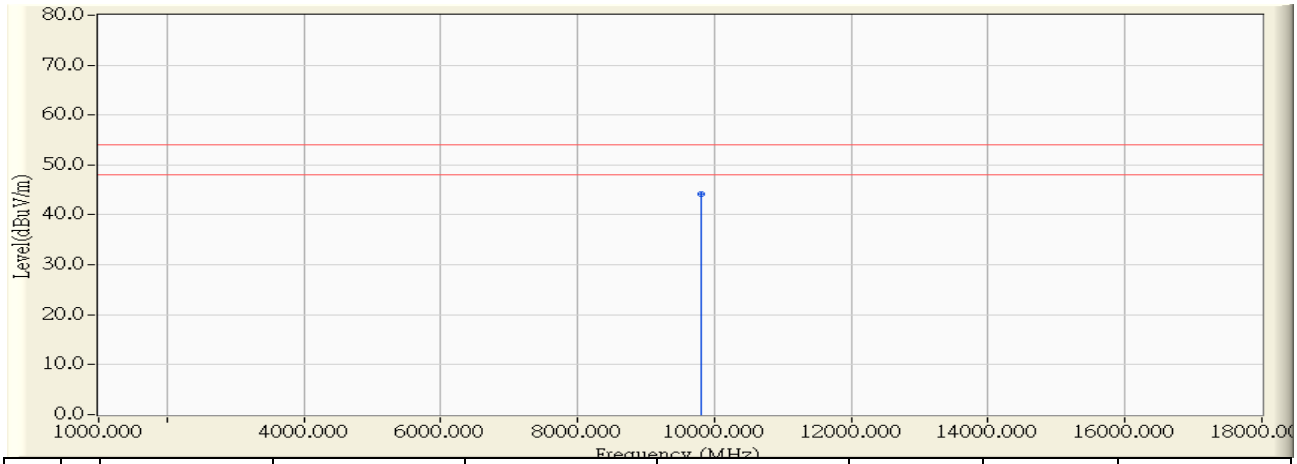


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4903.750	-0.683	43.430	42.748	-31.252	74.000	PEAK
2		7340.460	6.709	40.400	47.108	-26.892	74.000	PEAK
3	*	9808.700	8.812	43.860	52.672	-21.328	74.000	PEAK
4		12281.339	11.156	38.770	49.926	-24.074	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 : 2015/04/28 - 19:45**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(40MHz)_2452MHz**

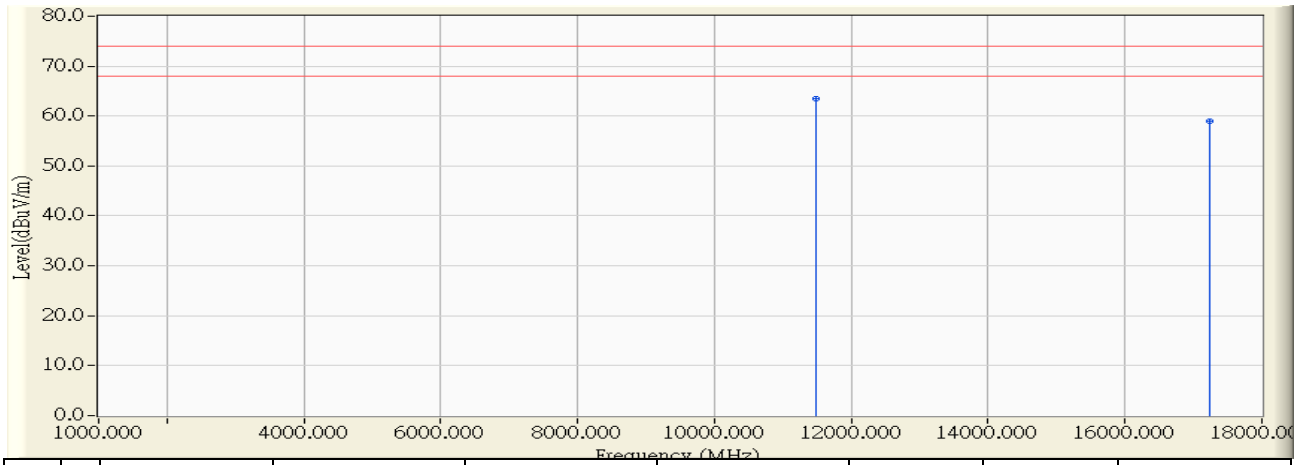


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	9808.550	8.811	35.390	44.202	-9.798	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 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 : 2015/05/05 - 20:54**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11a_5745MHz**

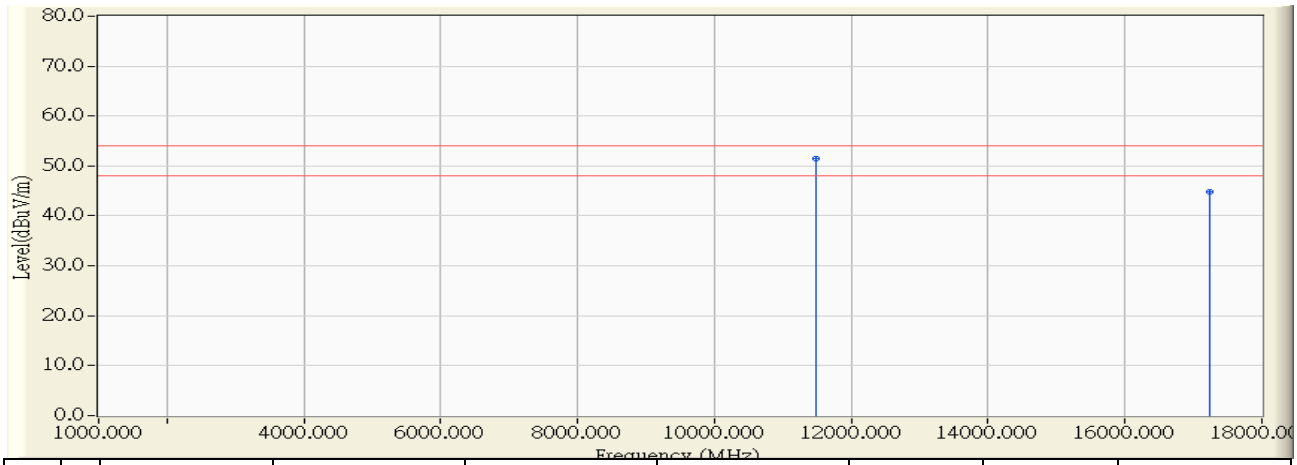


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11491.749	12.270	51.240	63.510	-10.490	74.000	PEAK
2		17238.998	15.519	43.440	58.959	-15.041	74.000	PEAK

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 : 2015/05/05 - 20:55**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11a_5745MHz**

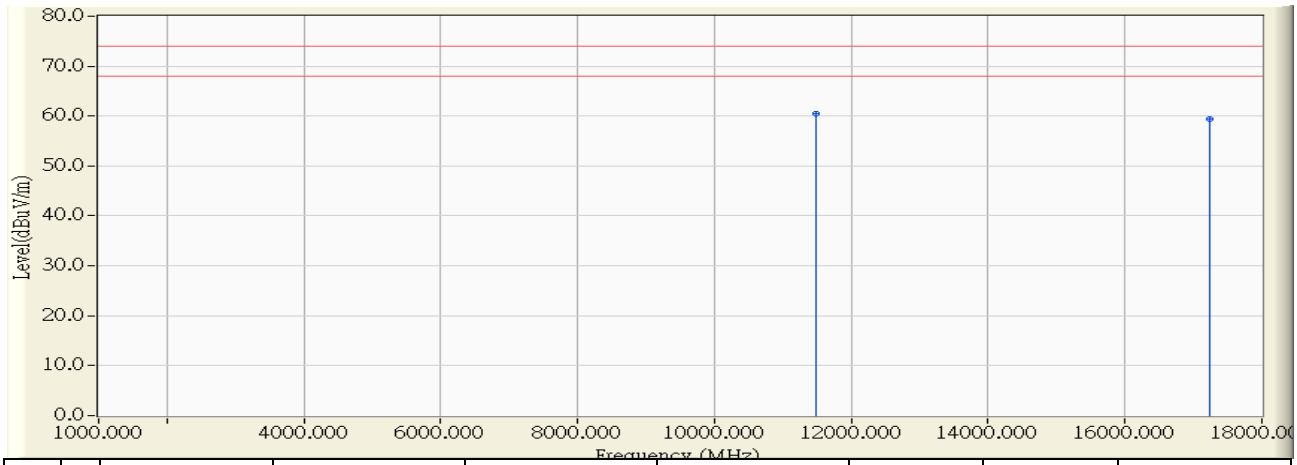


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11487.901	12.276	39.180	51.455	-2.545	54.000	AVERAGE
2		17234.950	15.500	29.320	44.820	-9.180	54.000	AVERAGE

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 : 2015/05/05 - 21:05**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11a_5745MHz**

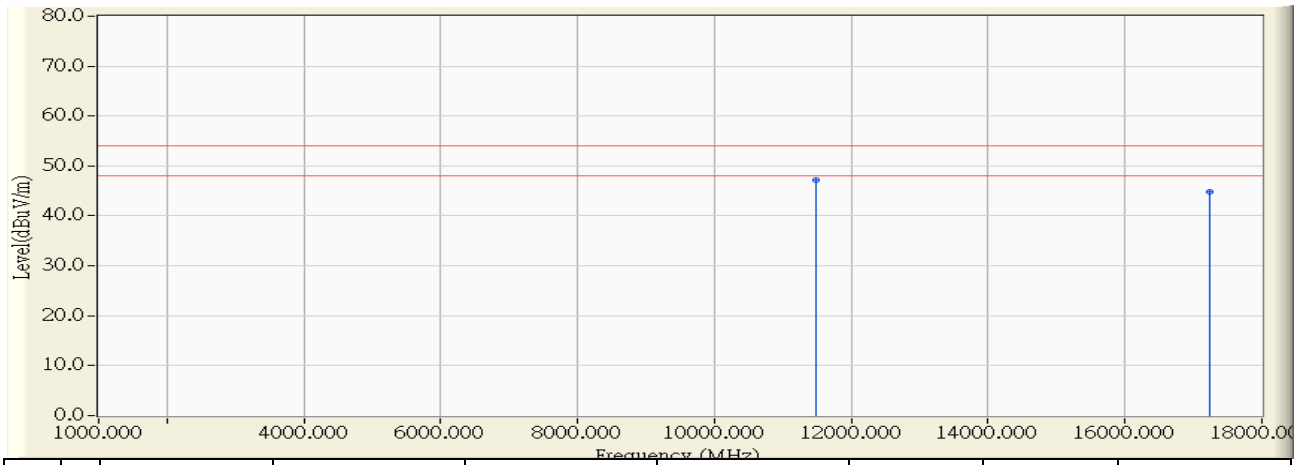


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11491.979	12.015	48.420	60.435	-13.565	74.000	PEAK
2		17232.691	15.490	43.950	59.440	-14.560	74.000	PEAK

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 : 2015/05/05 - 21:06**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11a_5745MHz**

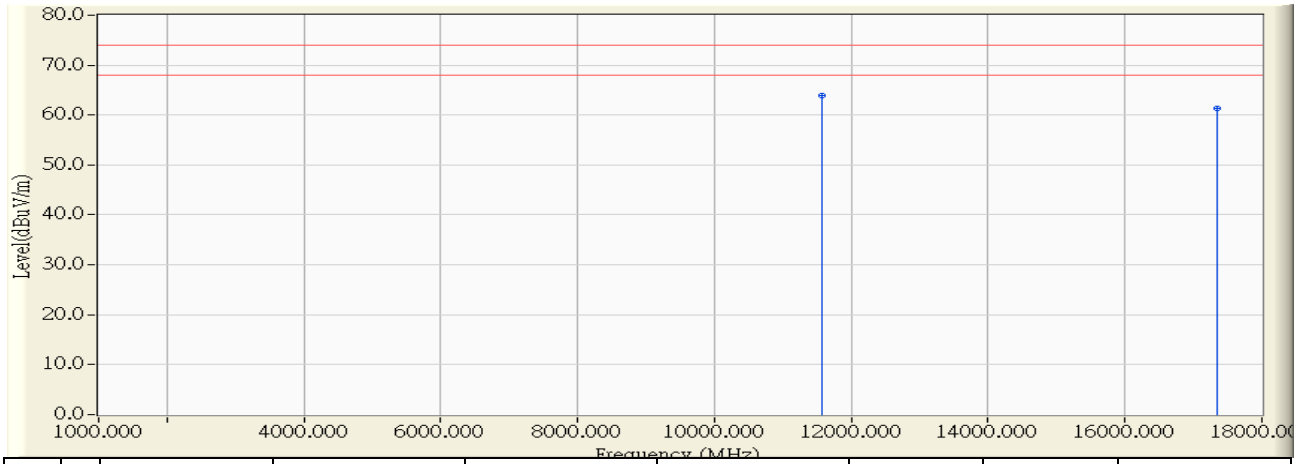


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11490.210	12.019	35.180	47.198	-6.802	54.000	AVERAGE
2		17232.691	15.490	29.260	44.750	-9.250	54.000	AVERAGE

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 : 2015/05/05 - 21:29**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11a_5785MHz**

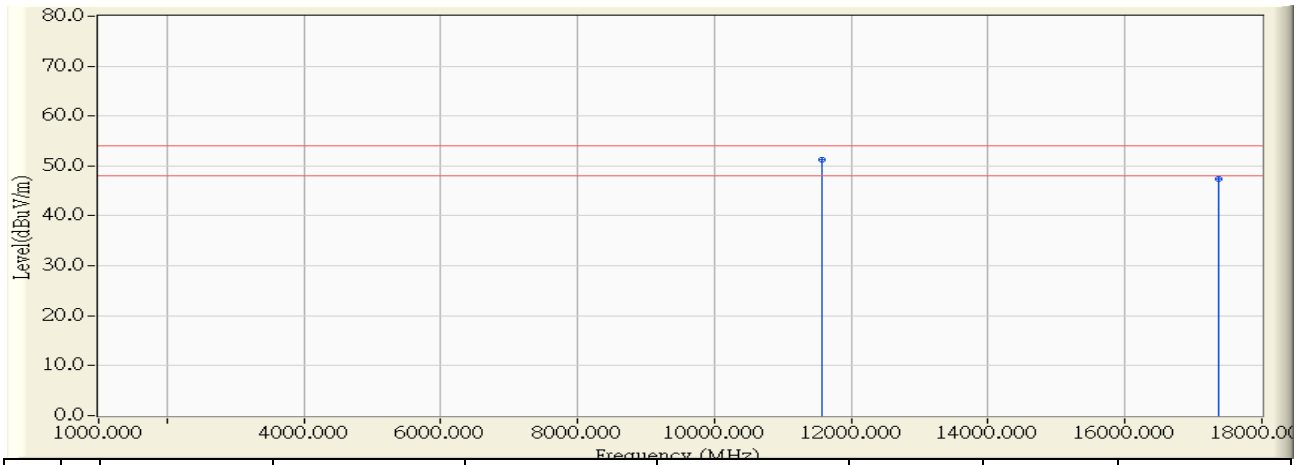


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11568.501	12.172	51.840	64.012	-9.988	74.000	PEAK
2		17347.954	16.020	45.400	61.420	-12.580	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 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 : 2015/05/05 - 21:30**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11a_5785MHz**

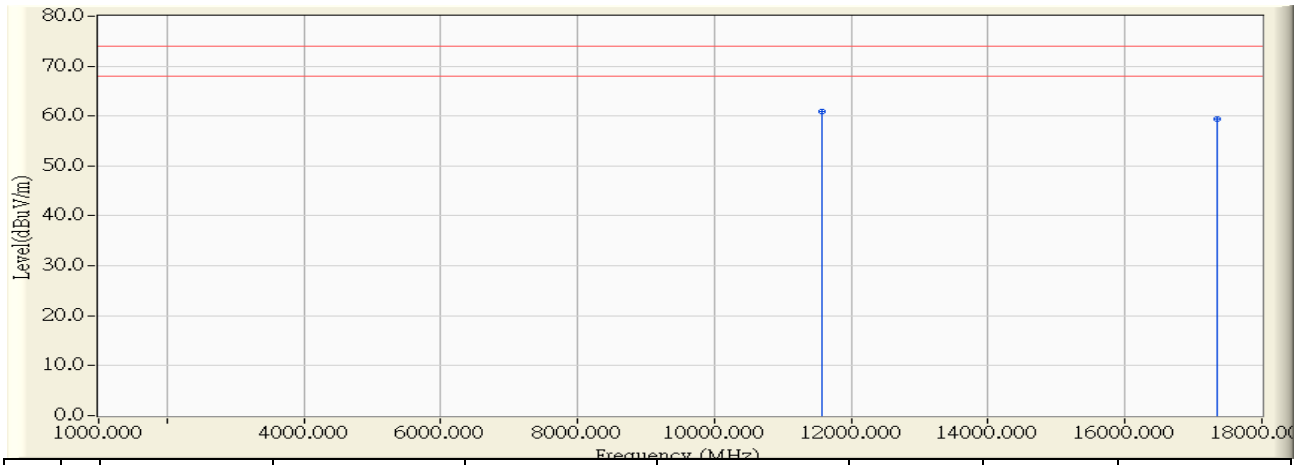


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11567.900	12.173	39.070	51.243	-2.757	54.000	AVERAGE
2		17357.519	16.064	31.250	47.314	-6.686	54.000	AVERAGE

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 : 2015/05/05 - 21:42**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11a_5785MHz**

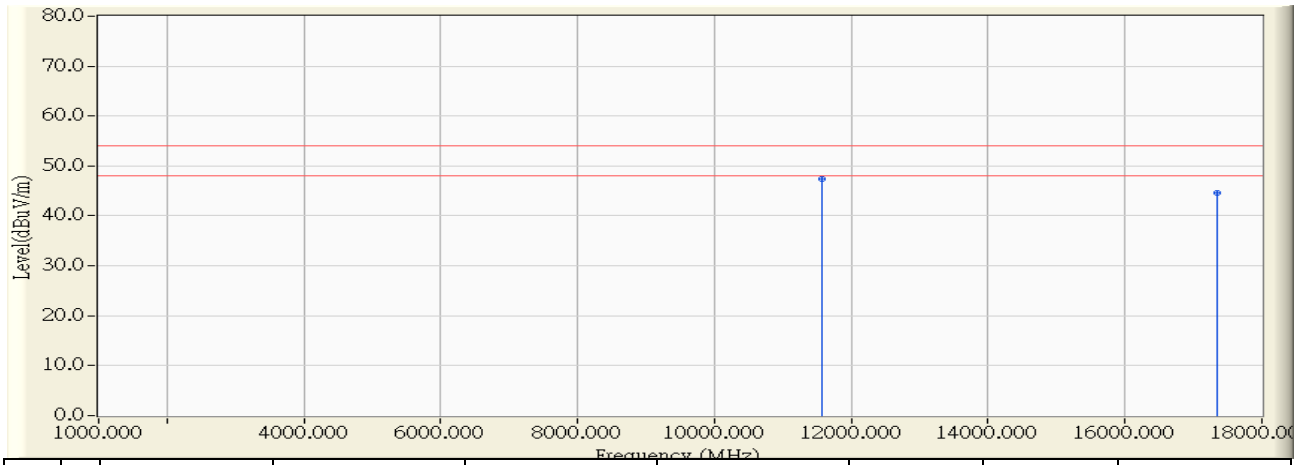


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11568.531	11.879	49.020	60.899	-13.101	74.000	PEAK
2		17347.984	16.020	43.430	59.450	-14.550	74.000	PEAK

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 : 2015/05/05 - 21:49**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11a_5785MHz**

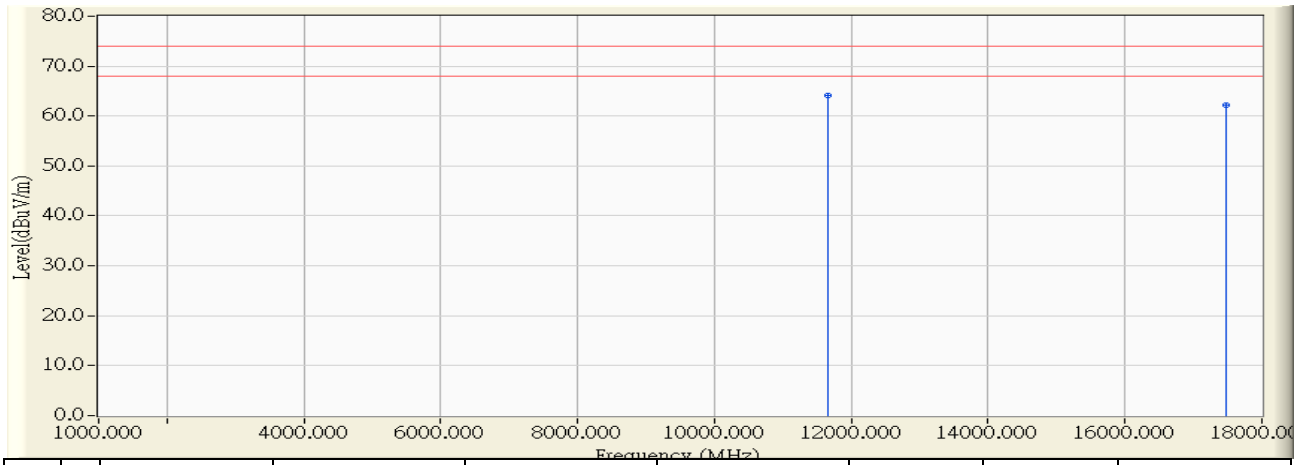


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11571.829	11.873	35.500	47.373	-6.627	54.000	AVERAGE
2		17354.940	16.052	28.500	44.552	-9.448	54.000	AVERAGE

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 : 2015/05/05 - 22:00**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11a_5825MHz**

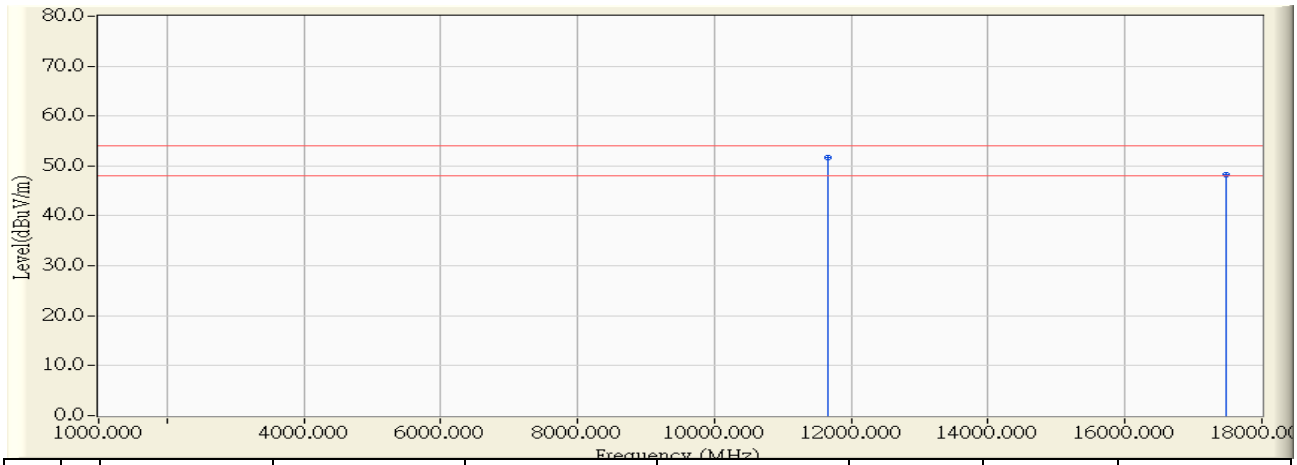


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11648.560	12.070	52.120	64.190	-9.810	74.000	PEAK
2		17470.772	16.585	45.710	62.295	-11.705	74.000	PEAK

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 : 2015/05/05 - 22:00**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11a_5825MHz**

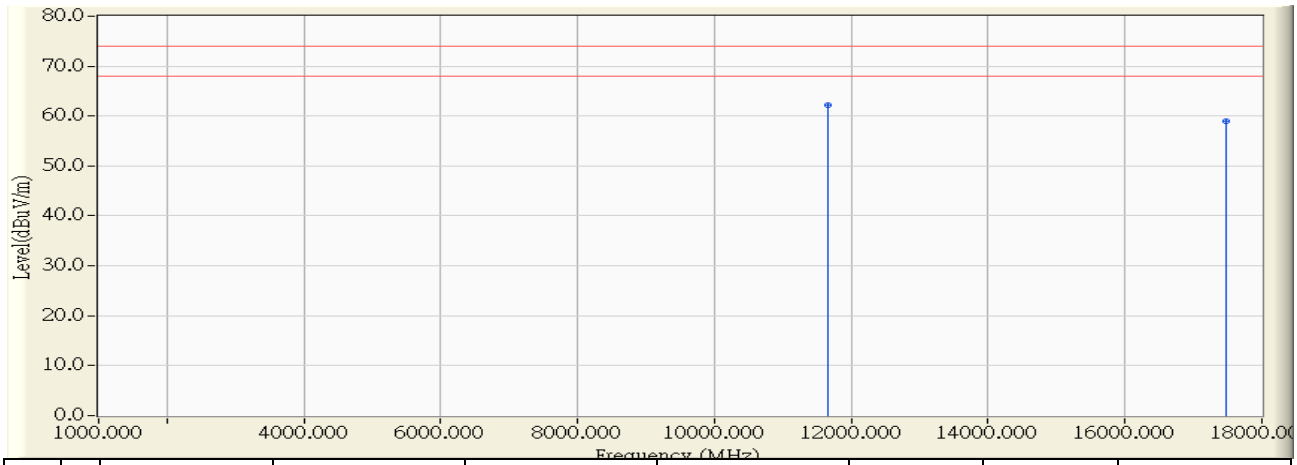


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11648.021	12.070	39.620	51.691	-2.309	54.000	AVERAGE
2		17474.940	16.610	31.560	48.170	-5.830	54.000	AVERAGE

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 : 2015/05/05 - 22:24**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11a_5825MHz**

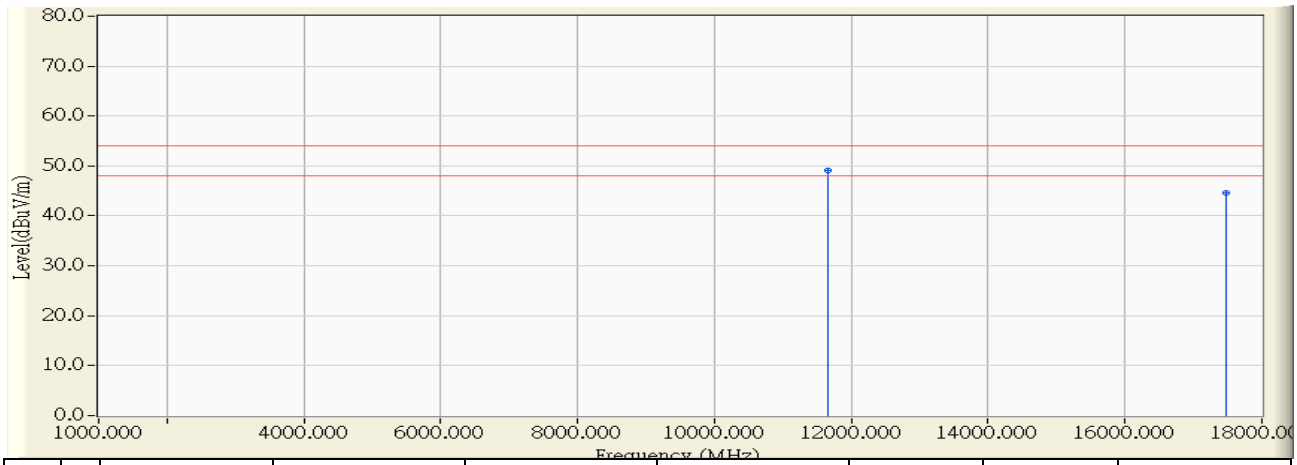


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11651.919	11.731	50.490	62.221	-11.779	74.000	PEAK
2		17473.051	16.595	42.490	59.085	-14.915	74.000	PEAK

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 : 2015/05/05 - 22:24**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11a_5825MHz**

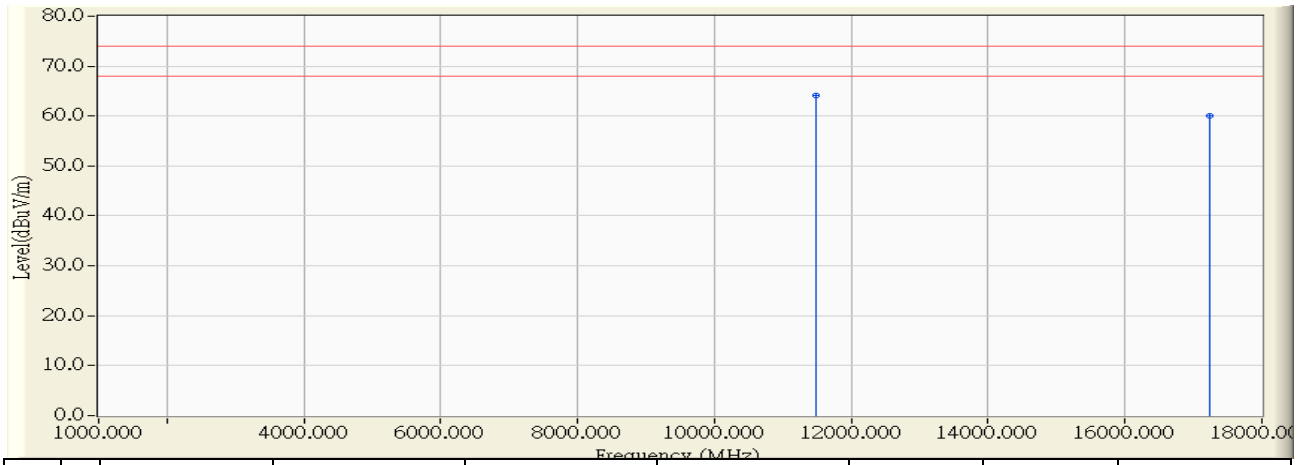


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11648.020	11.738	37.270	49.008	-4.992	54.000	AVERAGE
2		17475.000	16.610	28.010	44.620	-9.380	54.000	AVERAGE

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 : 2015/05/05 - 22:39**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(20MHz) _5745MHz**

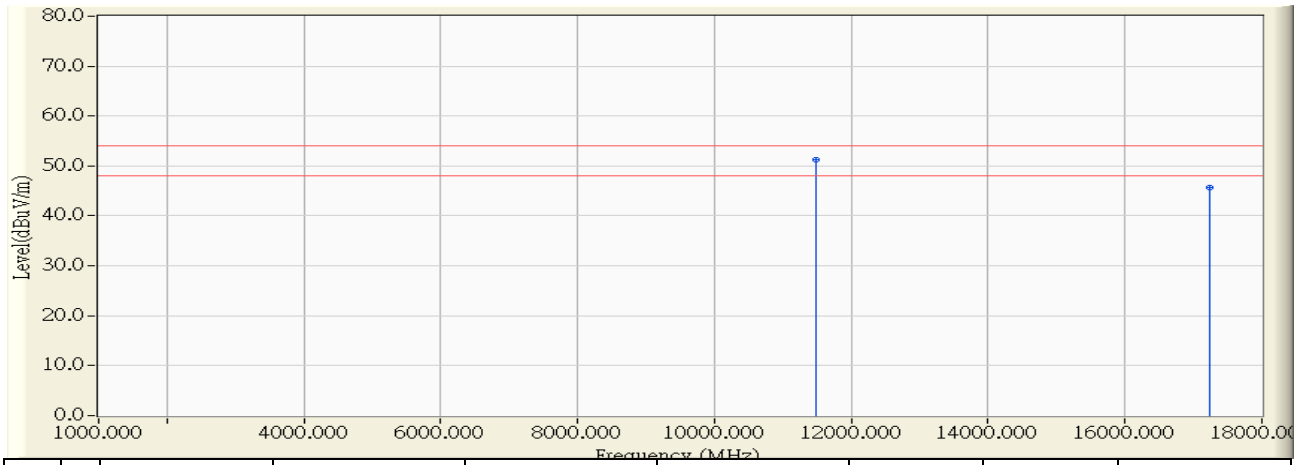


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11488.381	12.275	51.960	64.234	-9.766	74.000	PEAK
2		17240.487	15.525	44.500	60.026	-13.974	74.000	PEAK

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 : 2015/05/05 - 22:39**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(20MHz) _5745MHz**

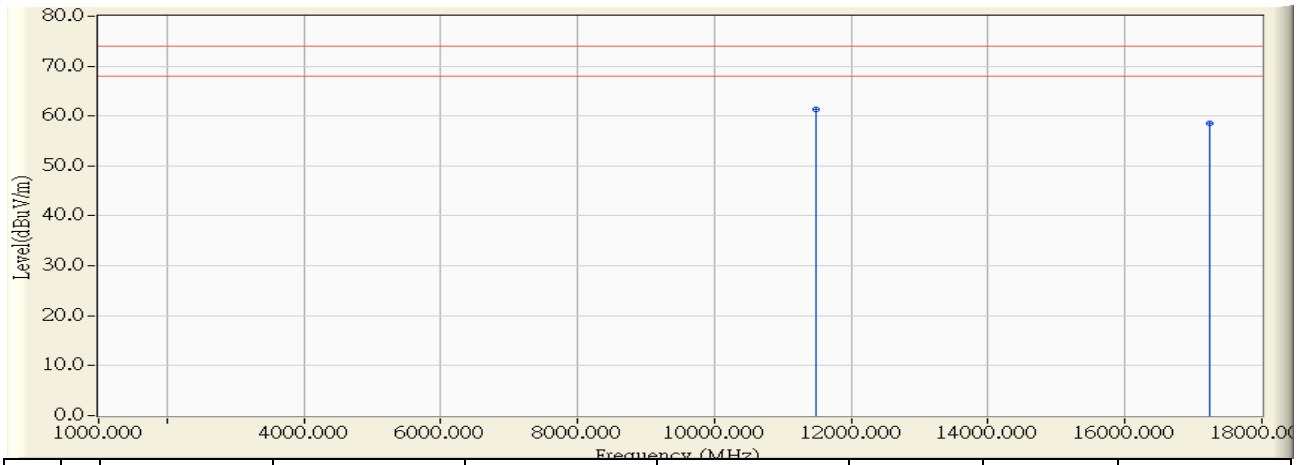


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11489.730	12.273	39.060	51.333	-2.667	54.000	AVERAGE
2		17235.030	15.501	30.210	45.711	-8.289	54.000	AVERAGE

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 : 2015/05/05 - 22:58**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(20MHz) _5745MHz**

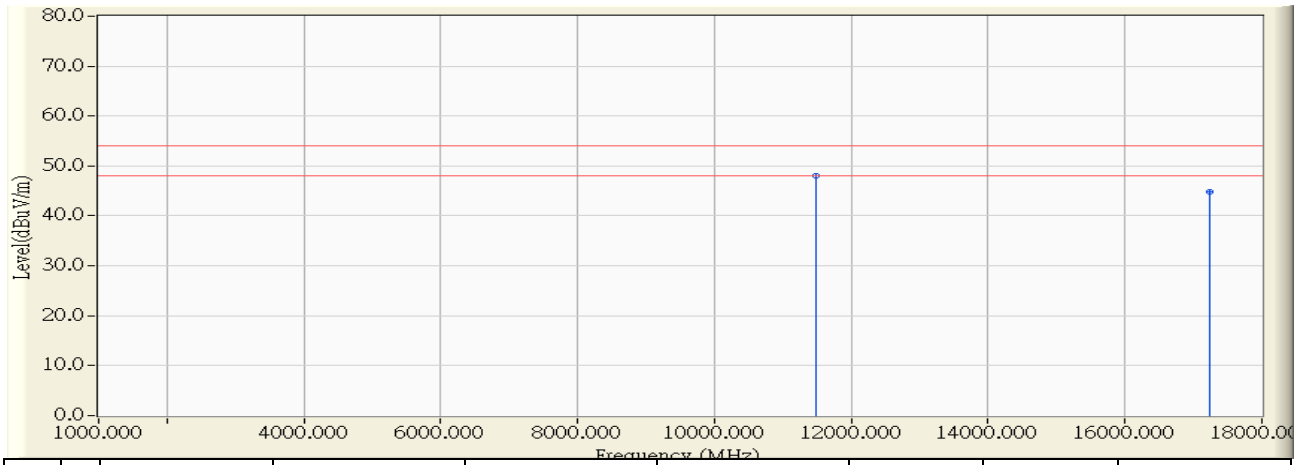


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11491.349	12.016	49.420	61.436	-12.564	74.000	PEAK
2		17231.940	15.487	42.960	58.446	-15.554	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 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 : 2015/05/05 - 23:03**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(20MHz) _5745MHz**

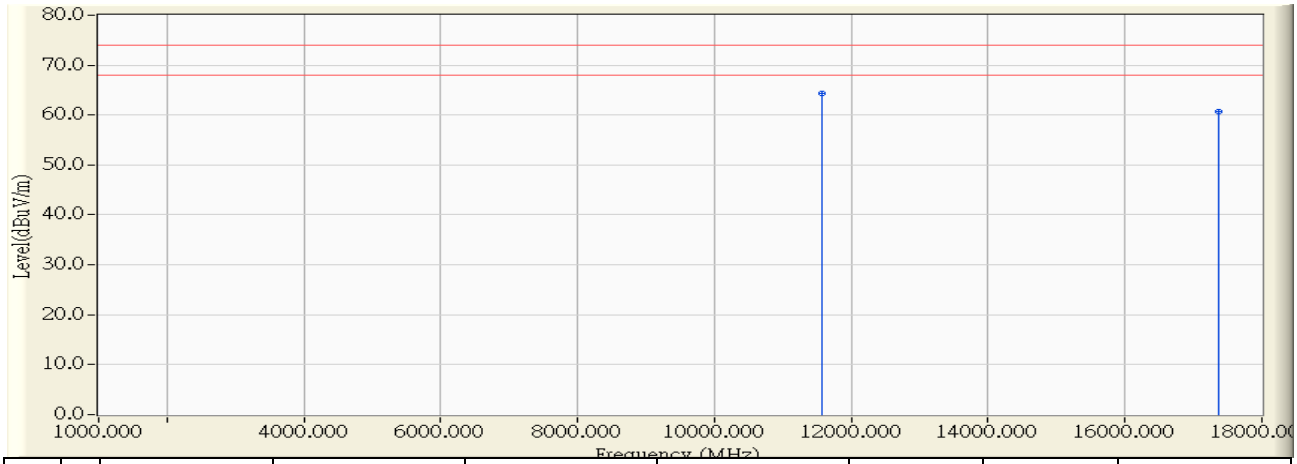


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11490.180	12.019	35.990	48.009	-5.991	54.000	AVERAGE
2		17235.120	15.501	29.370	44.871	-9.129	54.000	AVERAGE

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 : 2015/05/05 - 23:15**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(20MHz) _5785MHz**

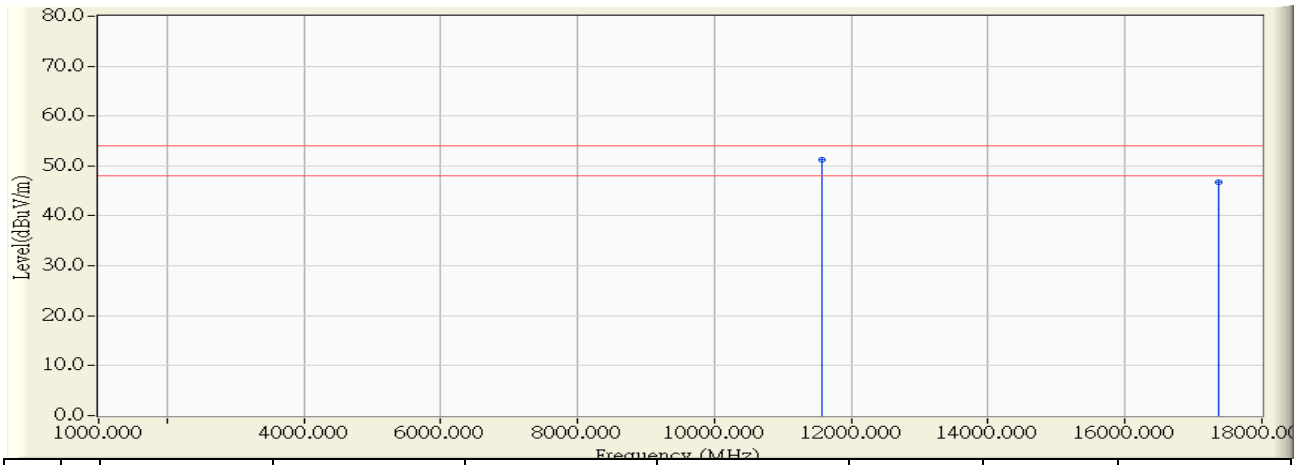


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11568.350	12.172	52.110	64.282	-9.718	74.000	PEAK
2		17357.669	16.065	44.650	60.714	-13.286	74.000	PEAK

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 : 2015/05/05 - 23:15**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(20MHz) _5785MHz**

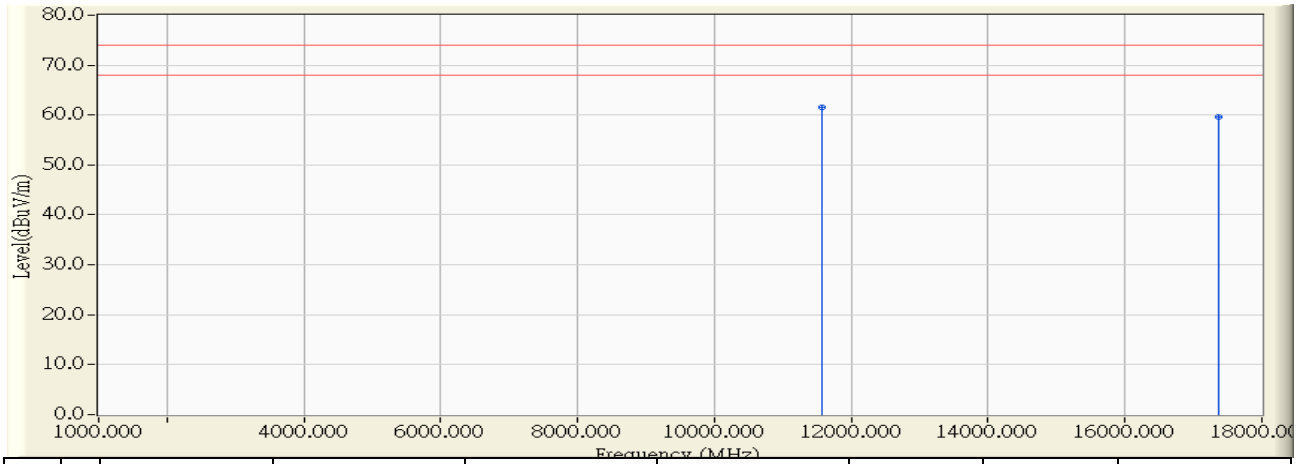


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11570.510	12.169	39.180	51.350	-2.650	54.000	AVERAGE
2		17358.080	16.066	30.640	46.706	-7.294	54.000	AVERAGE

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 : 2015/05/05 - 23:45**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(20MHz) _5785MHz**

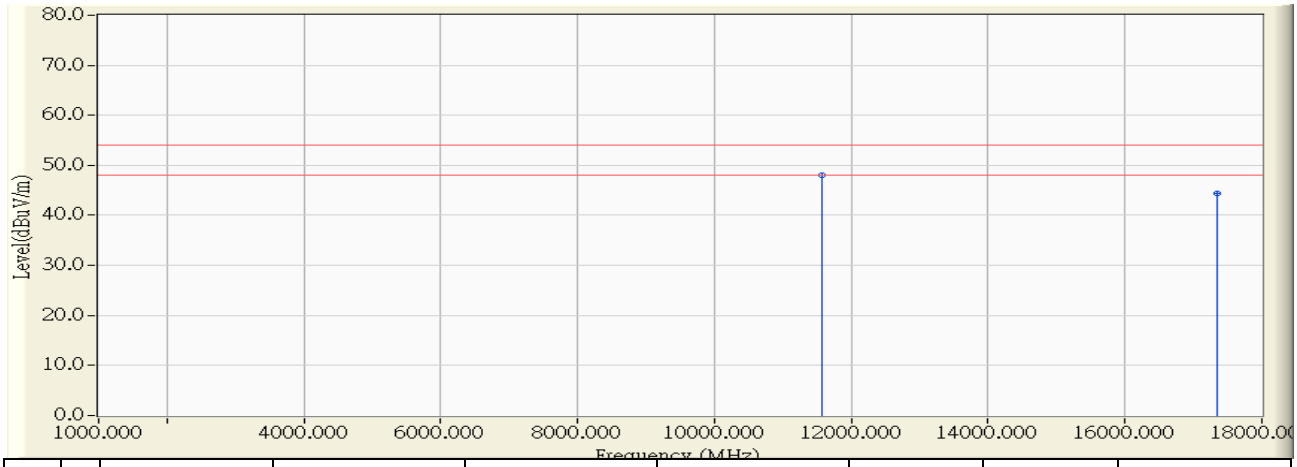


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11571.469	11.874	49.730	61.604	-12.396	74.000	PEAK
2		17362.946	16.089	43.470	59.559	-14.441	74.000	PEAK

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**
Site : CB1	**Time : 2015/05/05 - 23:49**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(20MHz) _5785MHz**

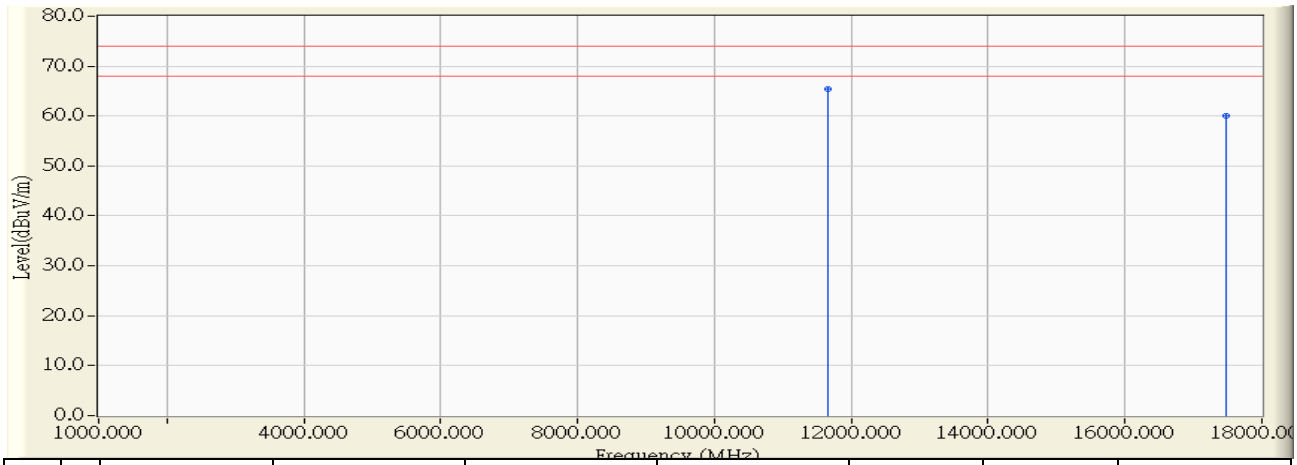


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11570.240	11.877	36.190	48.066	-5.934	54.000	AVERAGE
2		17354.850	16.052	28.360	44.412	-9.588	54.000	AVERAGE

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 : 2015/05/06 - 09:06**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(20MHz) _5825MHz**

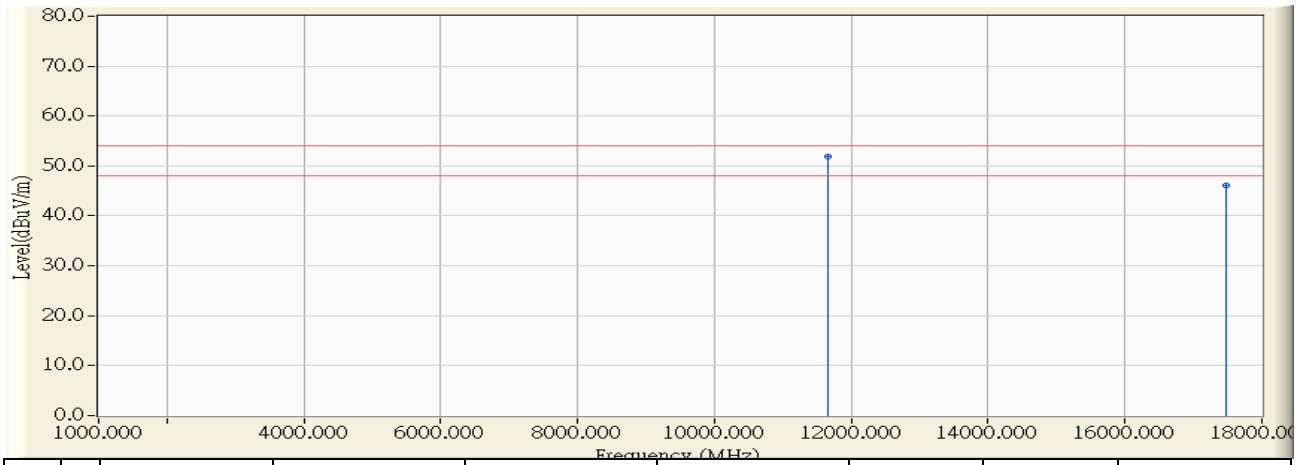


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11648.651	12.070	53.320	65.390	-8.610	74.000	PEAK
2		17481.357	16.659	43.410	60.069	-13.931	74.000	PEAK

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 : 2015/05/06 - 09:16**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(20MHz) _5825MHz**

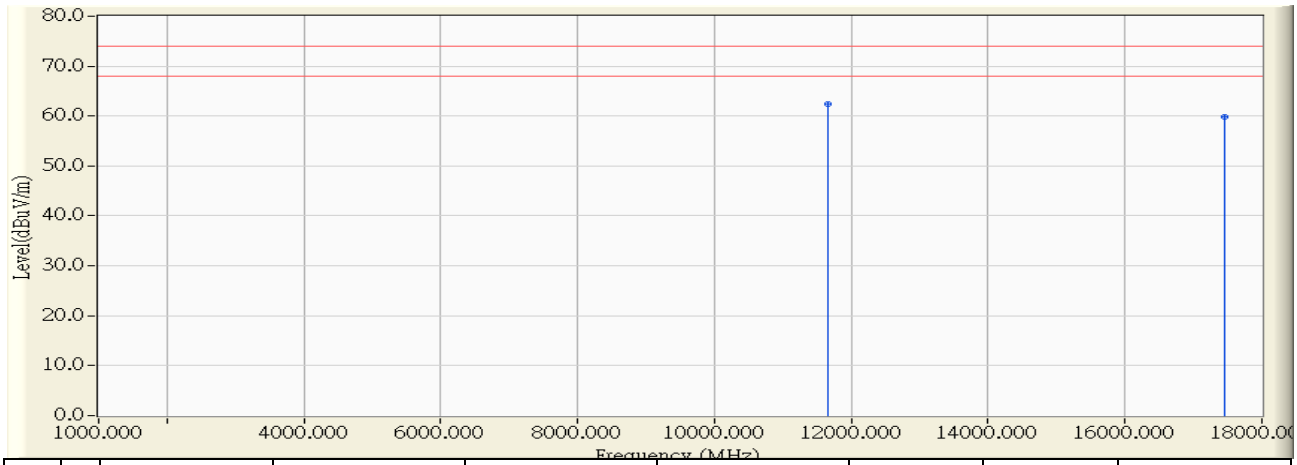


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11648.771	12.069	39.800	51.870	-2.130	54.000	AVERAGE
2		17475.330	16.613	29.580	46.193	-7.807	54.000	AVERAGE

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 : 2015/05/06 - 09:26**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(20MHz) _5825MHz**

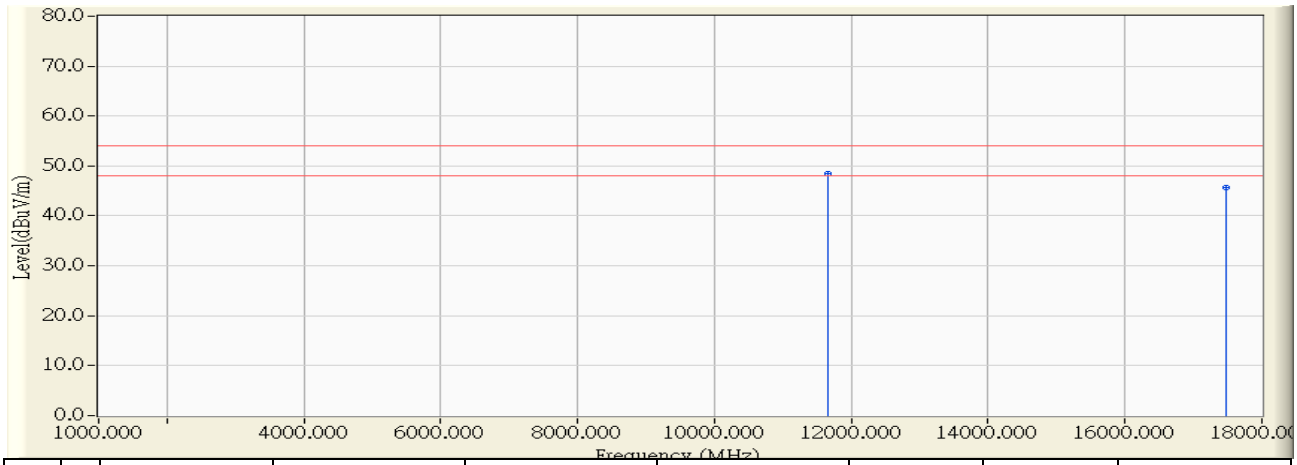


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11651.220	11.733	50.660	62.392	-11.608	74.000	PEAK
2		17465.615	16.561	43.260	59.821	-14.179	74.000	PEAK

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 : 2015/05/06 - 09:31**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(20MHz) _5825MHz**

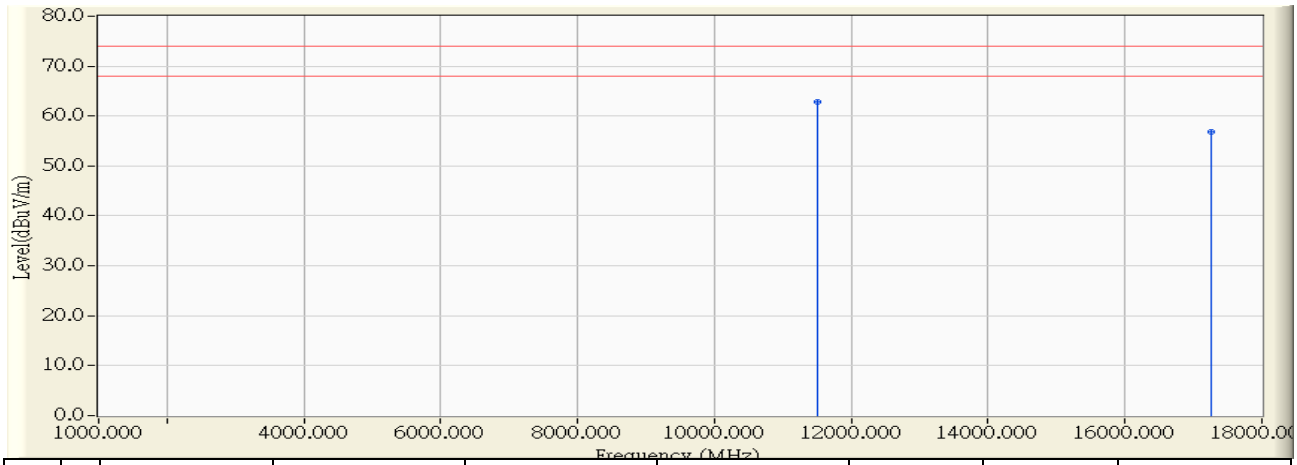


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11650.000	11.735	36.800	48.535	-5.465	54.000	AVERAGE
2		17475.300	16.612	29.000	45.613	-8.387	54.000	AVERAGE

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 : 2015/05/06 - 09:43**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(40MHz) _5755MHz**

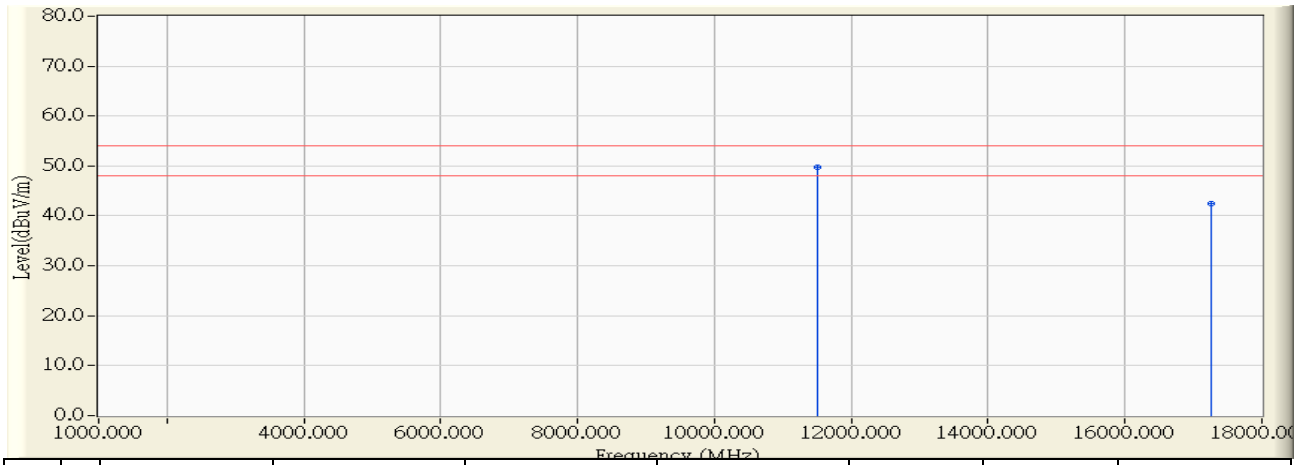


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11504.300	12.254	50.530	62.784	-11.216	74.000	PEAK
2		17258.203	15.607	41.310	56.917	-17.083	74.000	PEAK

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 : 2015/05/06 - 09:43**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(40MHz) _5755MHz**

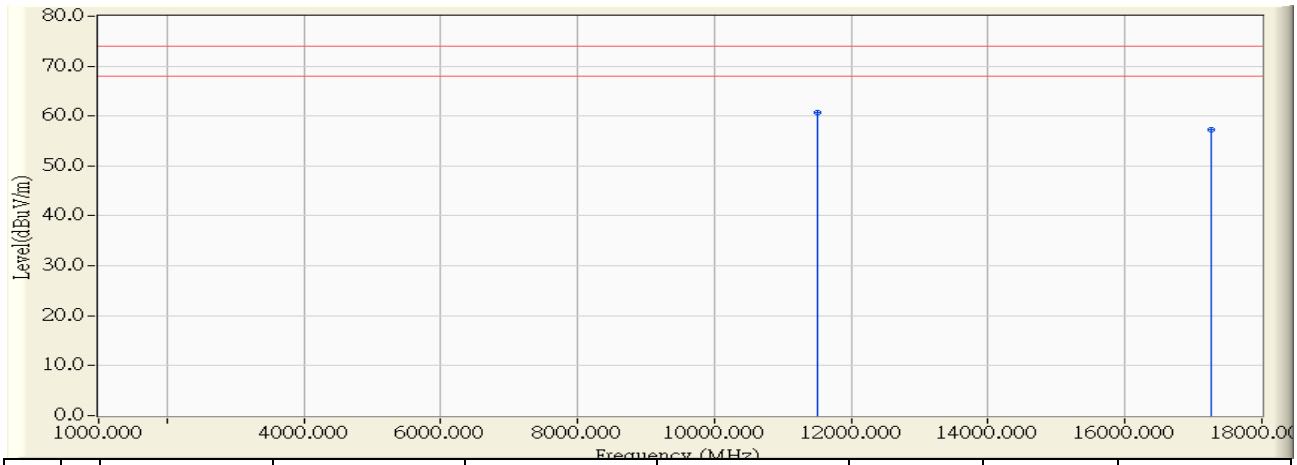


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11510.020	12.247	37.540	49.787	-4.213	54.000	AVERAGE
2		17255.555	15.595	26.850	42.445	-11.555	54.000	AVERAGE

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 : 2015/05/06 - 09:52**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(40MHz) _5755MHz**

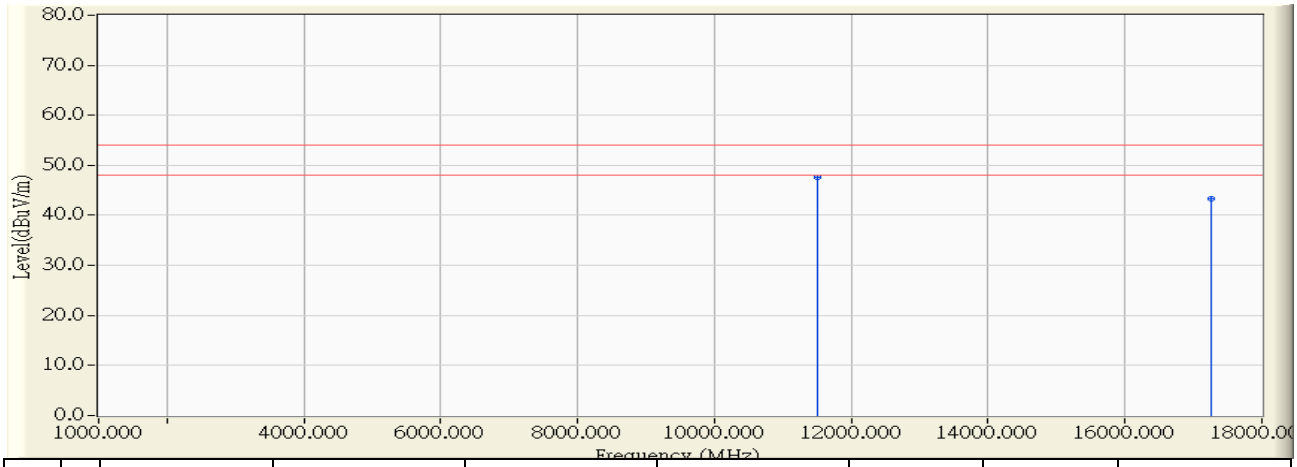


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11510.700	11.982	48.790	60.772	-13.228	74.000	PEAK
2		17251.000	15.574	41.760	57.334	-16.666	74.000	PEAK

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.

Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(40MHz) _5755MHz**

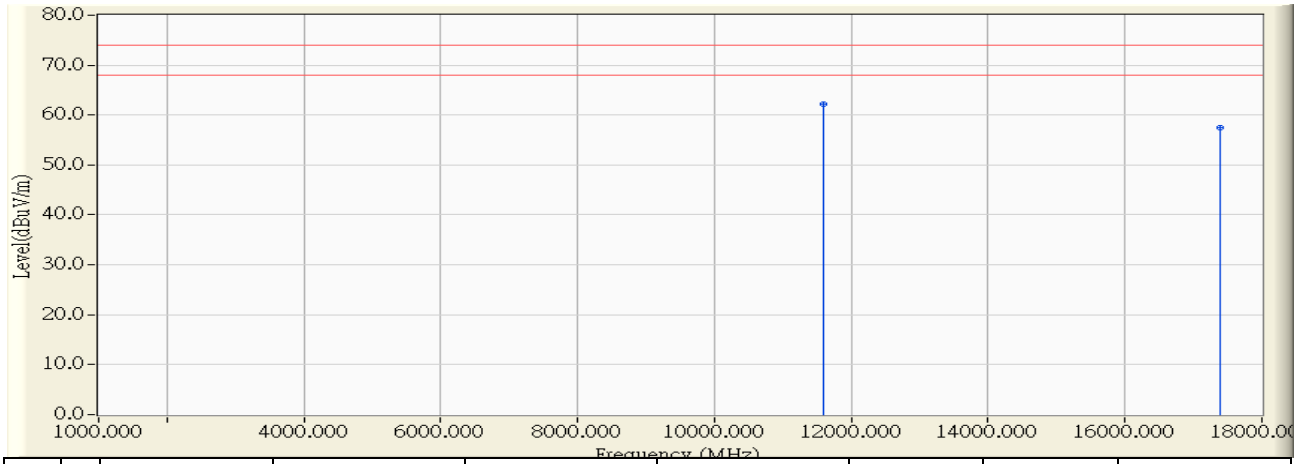


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11509.950	11.984	35.610	47.593	-6.407	54.000	AVERAGE
2		17257.654	15.605	27.700	43.305	-10.695	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 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 : 2015/05/06 - 22:47**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(40MHz) _5795MHz**

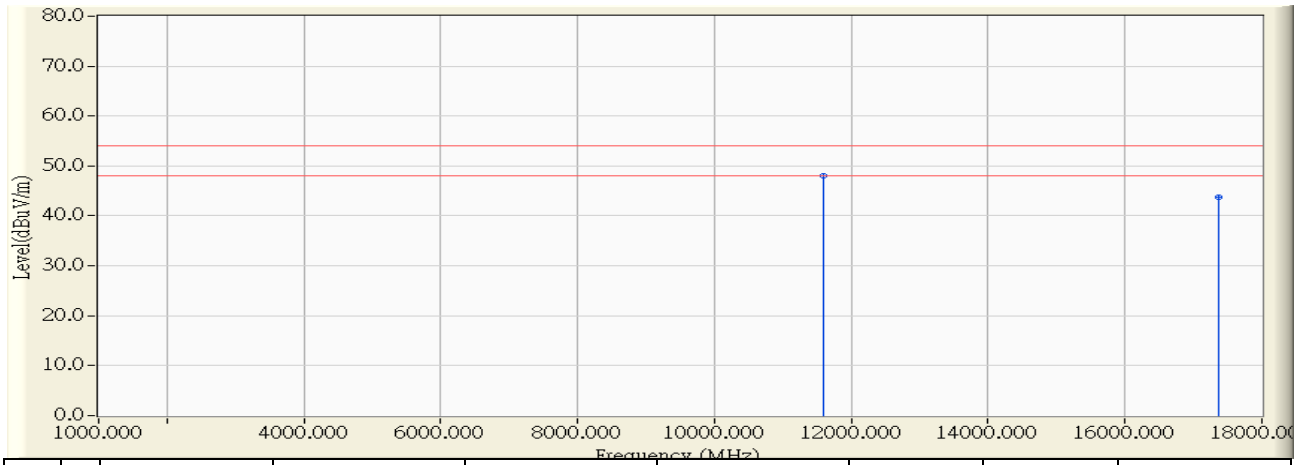


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11590.300	12.145	49.950	62.094	-11.906	74.000	PEAK
2		17396.244	16.242	41.270	57.512	-16.488	74.000	PEAK

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 : 2015/05/06 - 22:48**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(40MHz) _5795MHz**

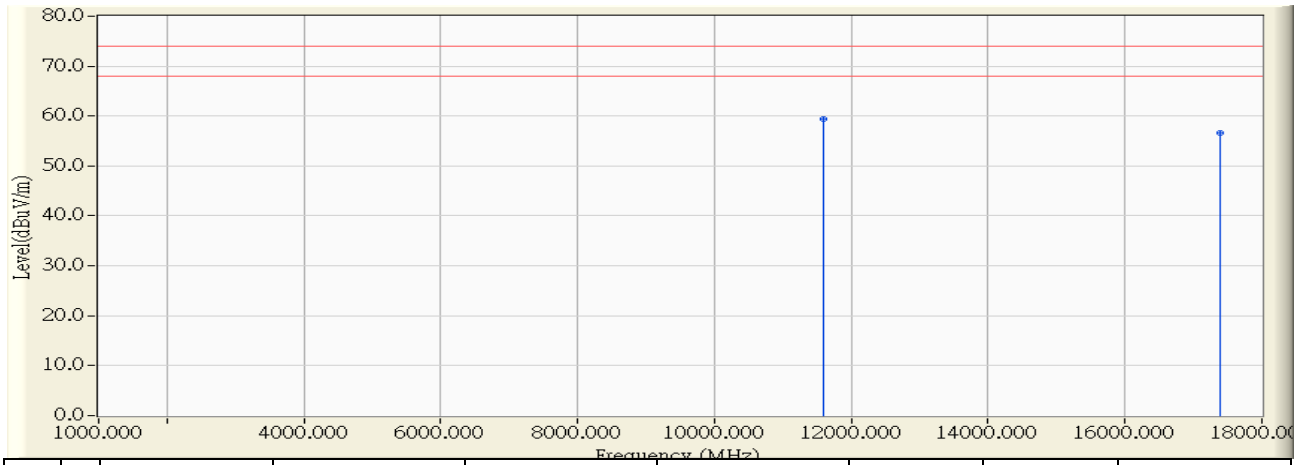


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11590.000	12.146	35.960	48.105	-5.895	54.000	AVERAGE
2		17377.954	16.158	27.600	43.758	-10.242	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 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 : 2015/05/06 - 22:55**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(40MHz) _5795MHz**

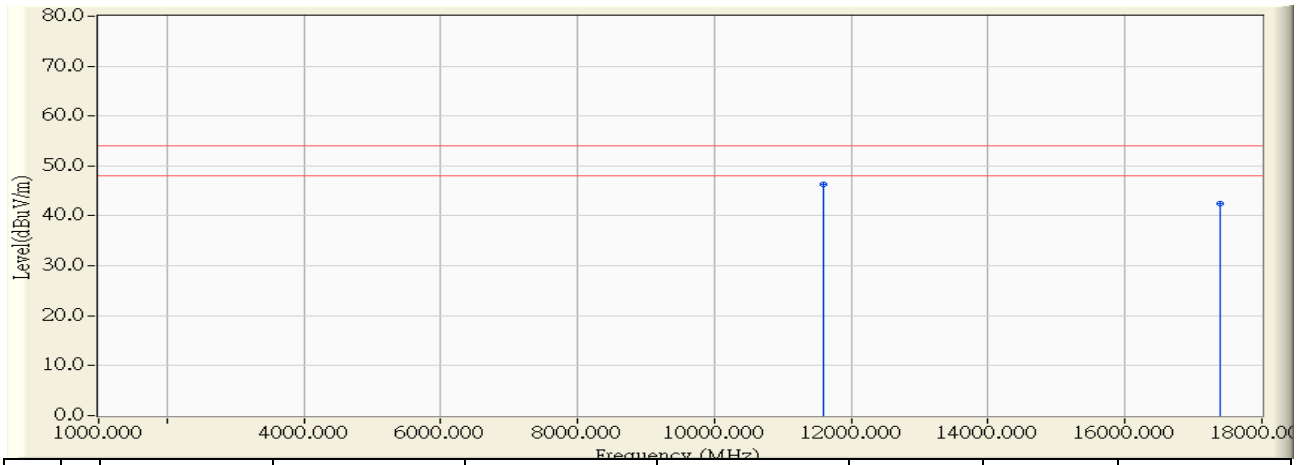


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11590.100	11.842	47.600	59.441	-14.559	74.000	PEAK
2		17388.898	16.208	40.470	56.678	-17.322	74.000	PEAK

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 : 2015/05/06 - 22:55**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_802.11n(40MHz) _5795MHz**

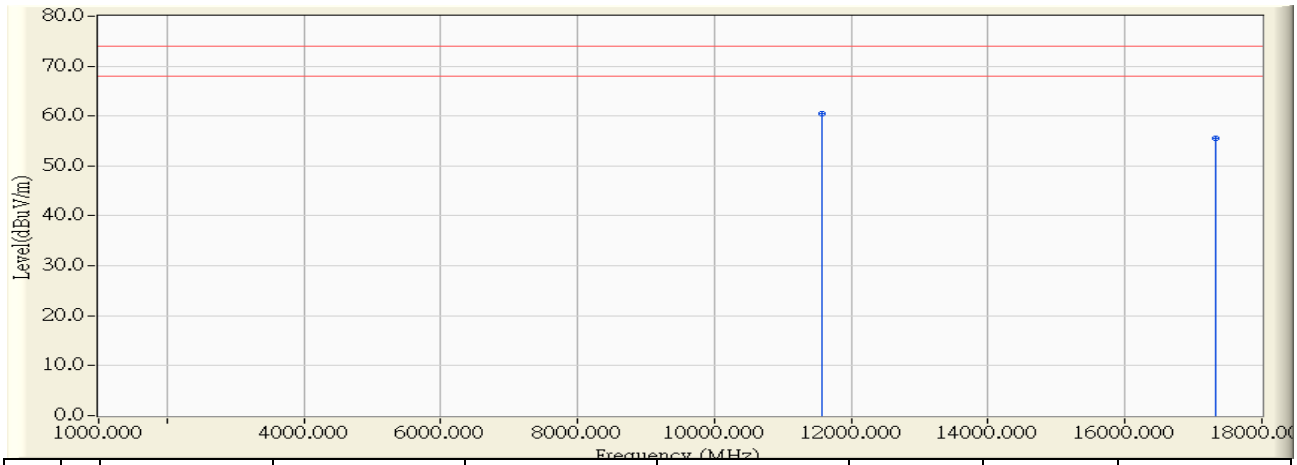


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11590.000	11.842	34.410	46.251	-7.749	54.000	AVERAGE
2		17390.397	16.215	26.210	42.425	-11.575	54.000	AVERAGE

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 : 2015/05/06 - 23:04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_ 802.11ac(80MHz) _5775MHz**

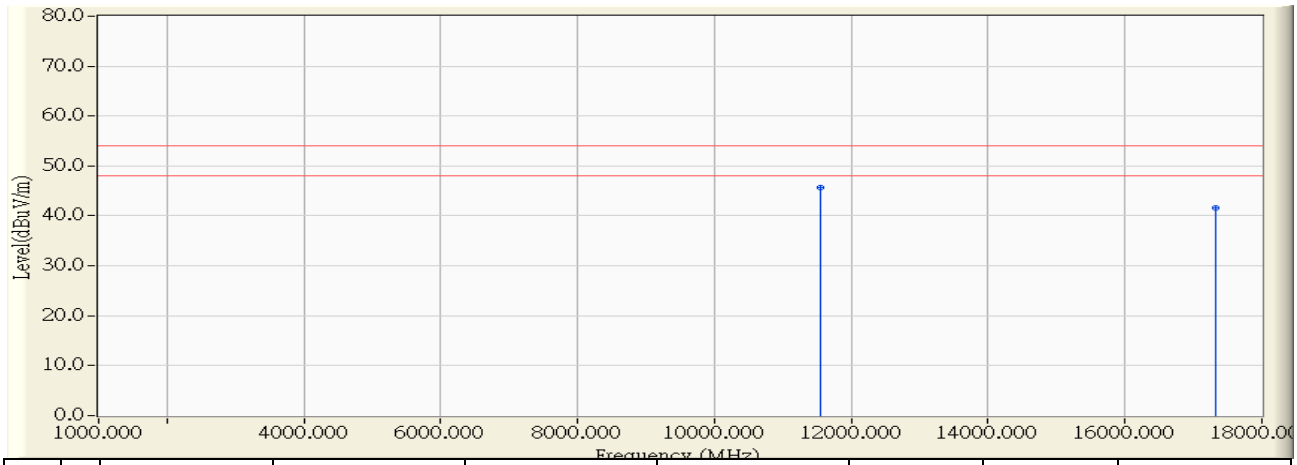


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11577.390	12.160	48.310	60.471	-13.529	74.000	PEAK
2		17326.600	15.922	39.720	55.642	-18.358	74.000	PEAK

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 : 2015/05/06 - 23:05**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_ 802.11ac(80MHz) _5775MHz**

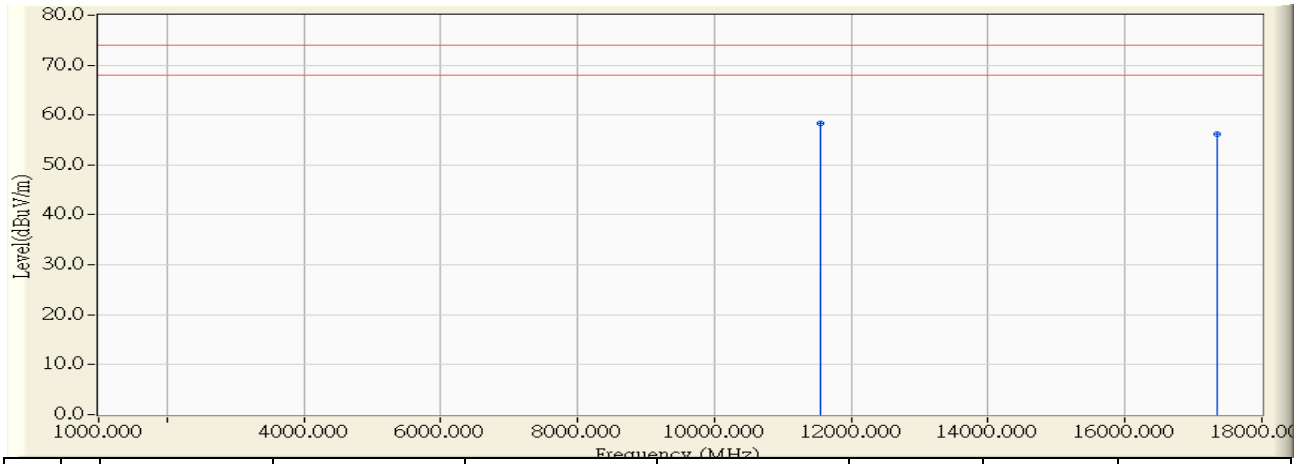


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11550.300	12.196	33.420	45.615	-8.385	54.000	AVERAGE
2		17318.100	15.882	25.730	41.613	-12.387	54.000	AVERAGE

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 : 2015/05/06 - 23:11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_ 802.11ac(80MHz) _5775MHz**

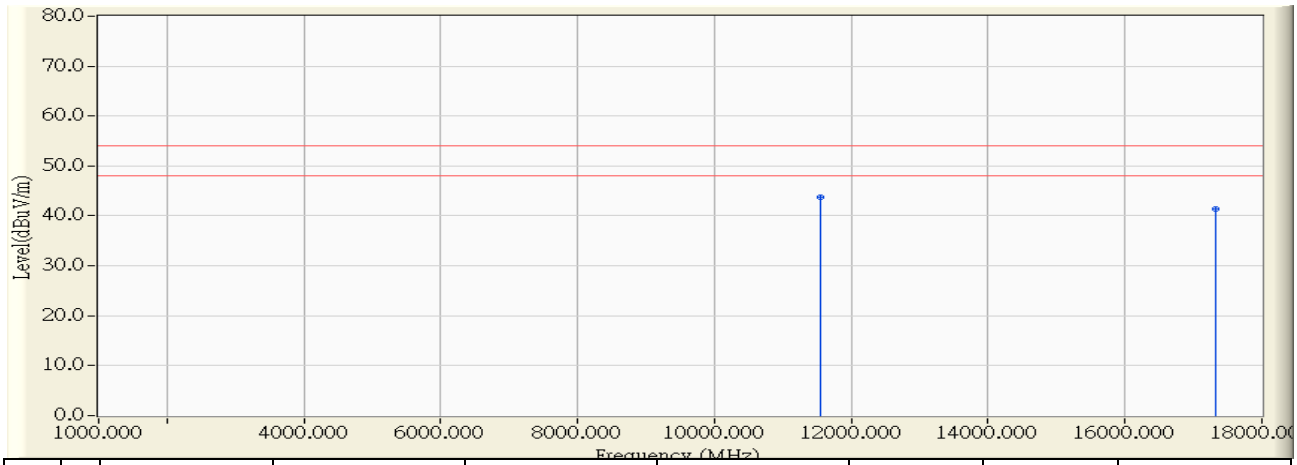


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11550.200	11.913	46.510	58.422	-15.578	74.000	PEAK
2		17337.990	15.974	40.230	56.204	-17.796	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 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 : 2015/05/06 - 23:11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Dual-band Wireless-AC750 Range Extender	**Note : Mode 1: Transmit_ 802.11ac(80MHz) _5775MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11550.300	11.912	31.800	43.712	-10.288	54.000	AVERAGE
2		17318.900	15.886	25.520	41.406	-12.594	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.

5. RF antenna conducted test

5.1. Test Equipment

The following test equipments are used during the test:

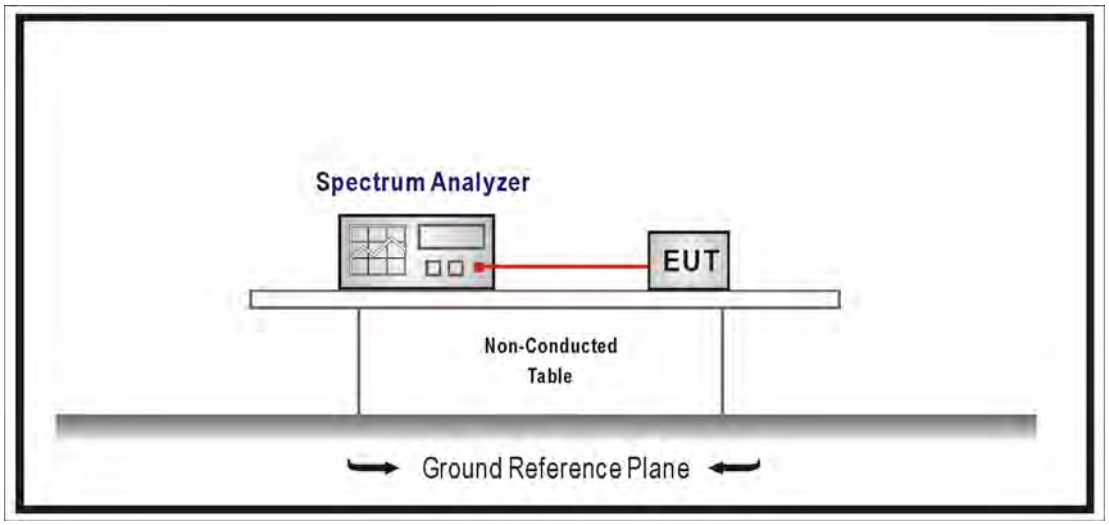
RF antenna conducted test / SR7

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: 2014

5.6. Uncertainty

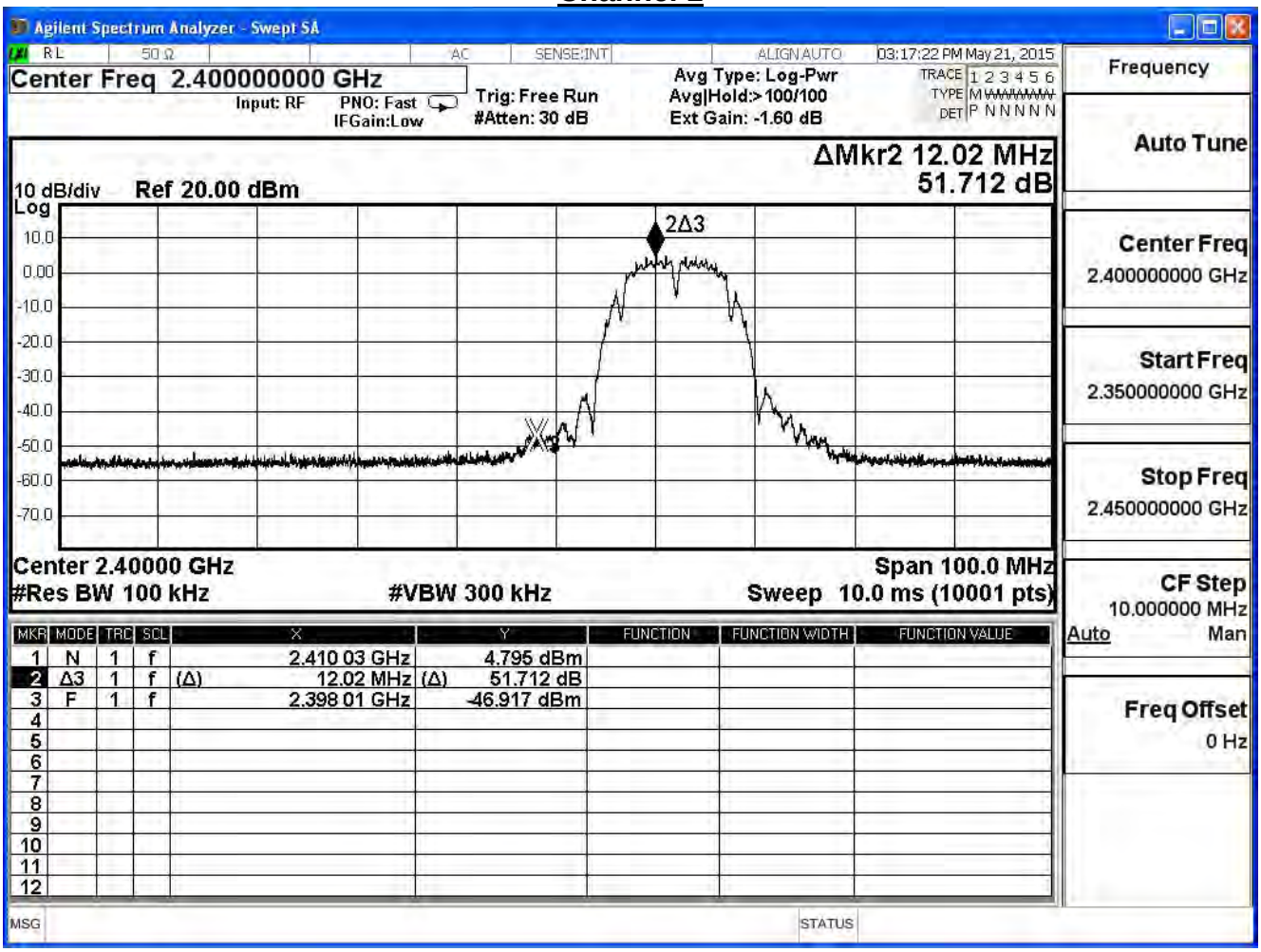
Conducted is defined as ± 1.27dB

5.7. Test Result

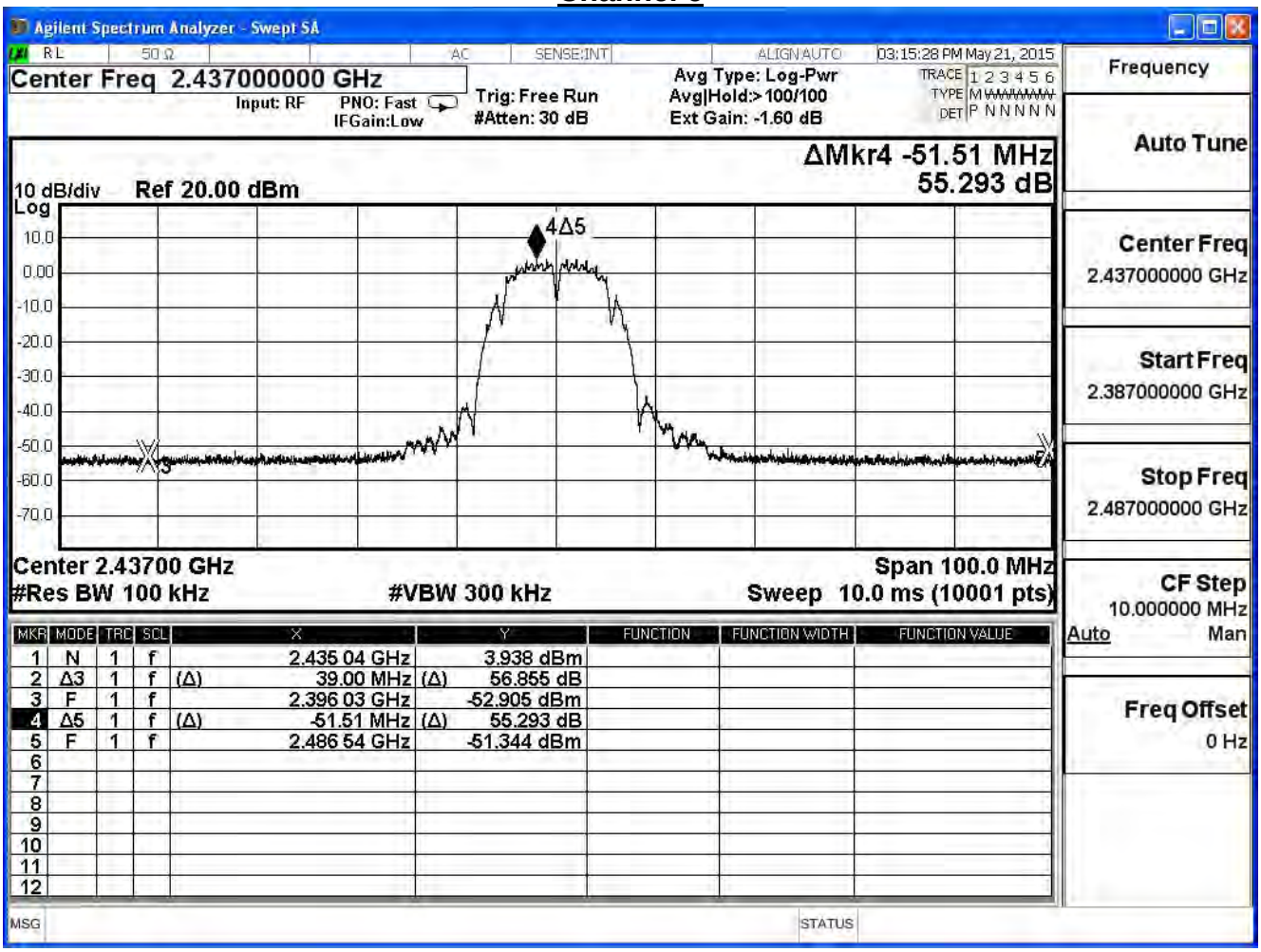
Product	Dual-band Wireless-AC750 Range Extender		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/21	Test Site	SR7

IEEE 802.11b (ANT 0), Antenna Gain: 3dBi				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	51.712	≧30	Pass
6	2437	55.293	≧30	Pass
11	2462	54.781	≧30	Pass

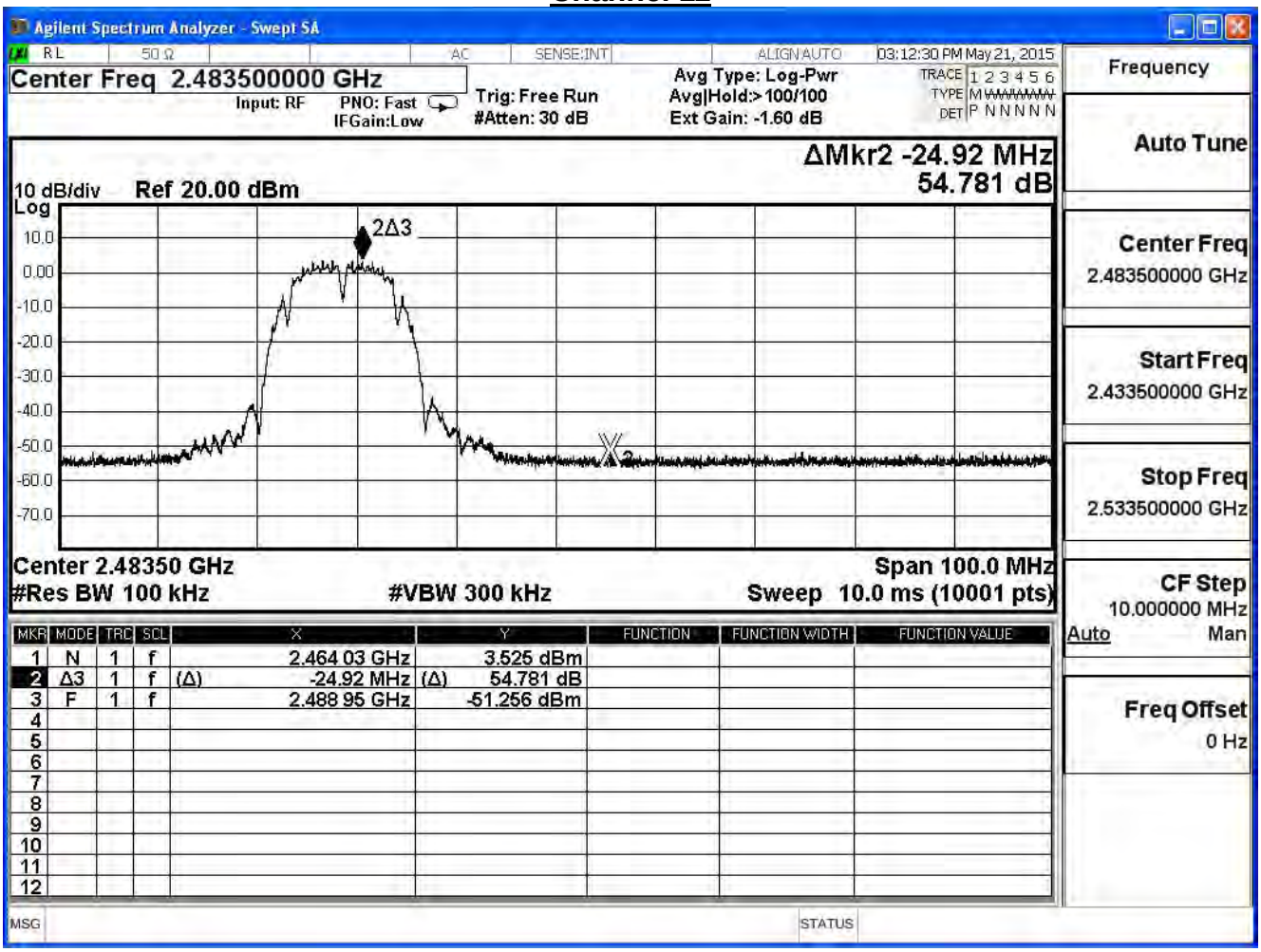
Channel 1



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:>100/100
Ext Gain: -1.60 dB
03:15:28 PM May 21, 2015
ΔMkr4 -51.51 MHz
55.293 dB
10 dB/div
Log
Ref 20.00 dBm
Center 2.43700 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.0 ms (10001 pts)
1 N 1 f 2.435 04 GHz 3.938 dBm
2 Δ3 1 f (Δ) 39.00 MHz (Δ) 56.855 dB
3 F 1 f 2.396 03 GHz -52.905 dBm
4 Δ5 1 f (Δ) -51.51 MHz (Δ) 55.293 dB
5 F 1 f 2.486 54 GHz -51.344 dBm
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

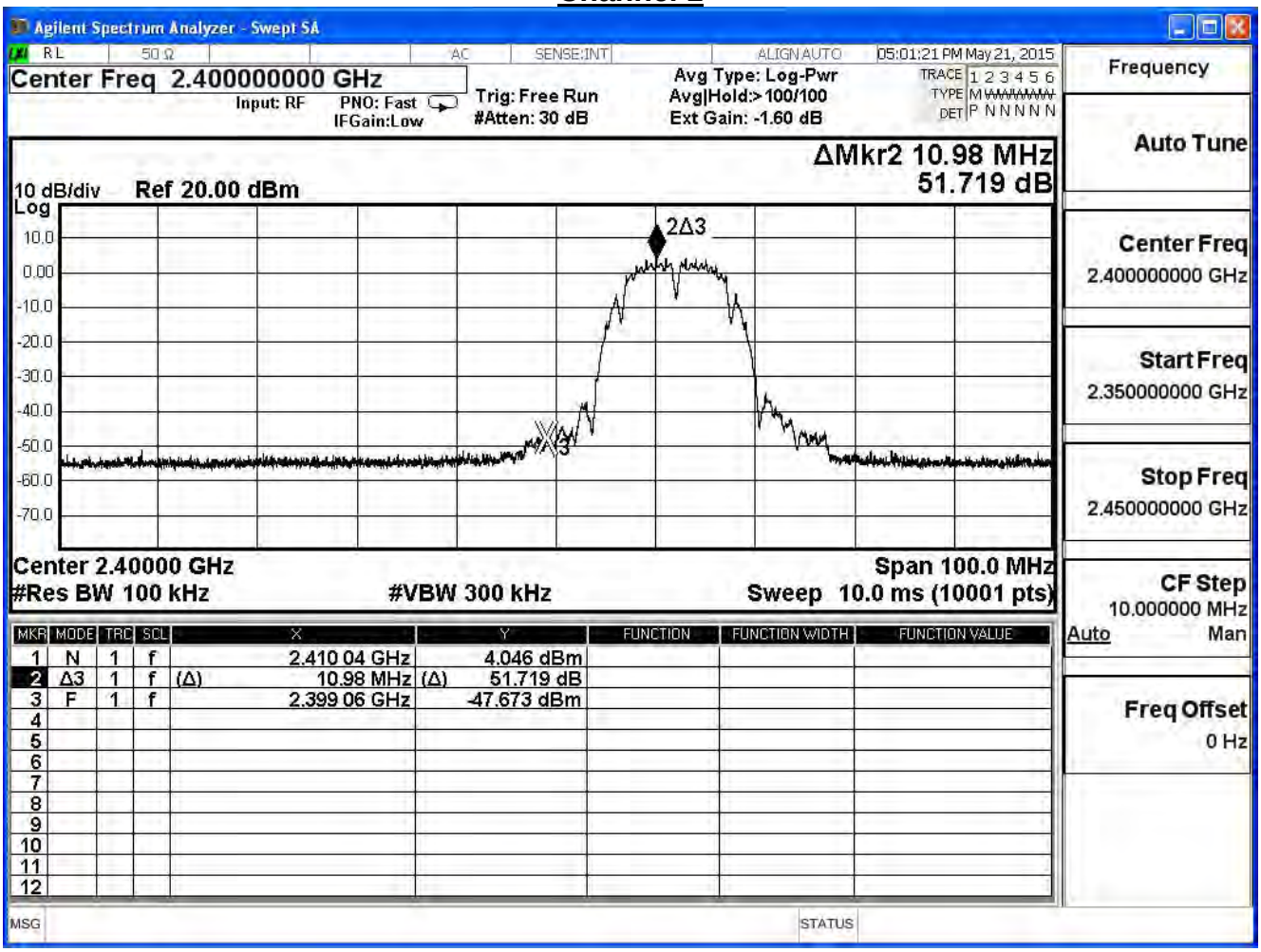
Channel 11


Agilent Spectrum Analyzer - Swept SA
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
03:12:30 PM May 21, 2015
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: -1.60 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
ΔMkr2 -24.92 MHz
54.781 dB
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
2Δ3
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 2.464 03 GHz 3.525 dBm
2 Δ3 1 f (Δ) -24.92 MHz (Δ) 54.781 dB
3 F 1 f 2.488 95 GHz -51.256 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

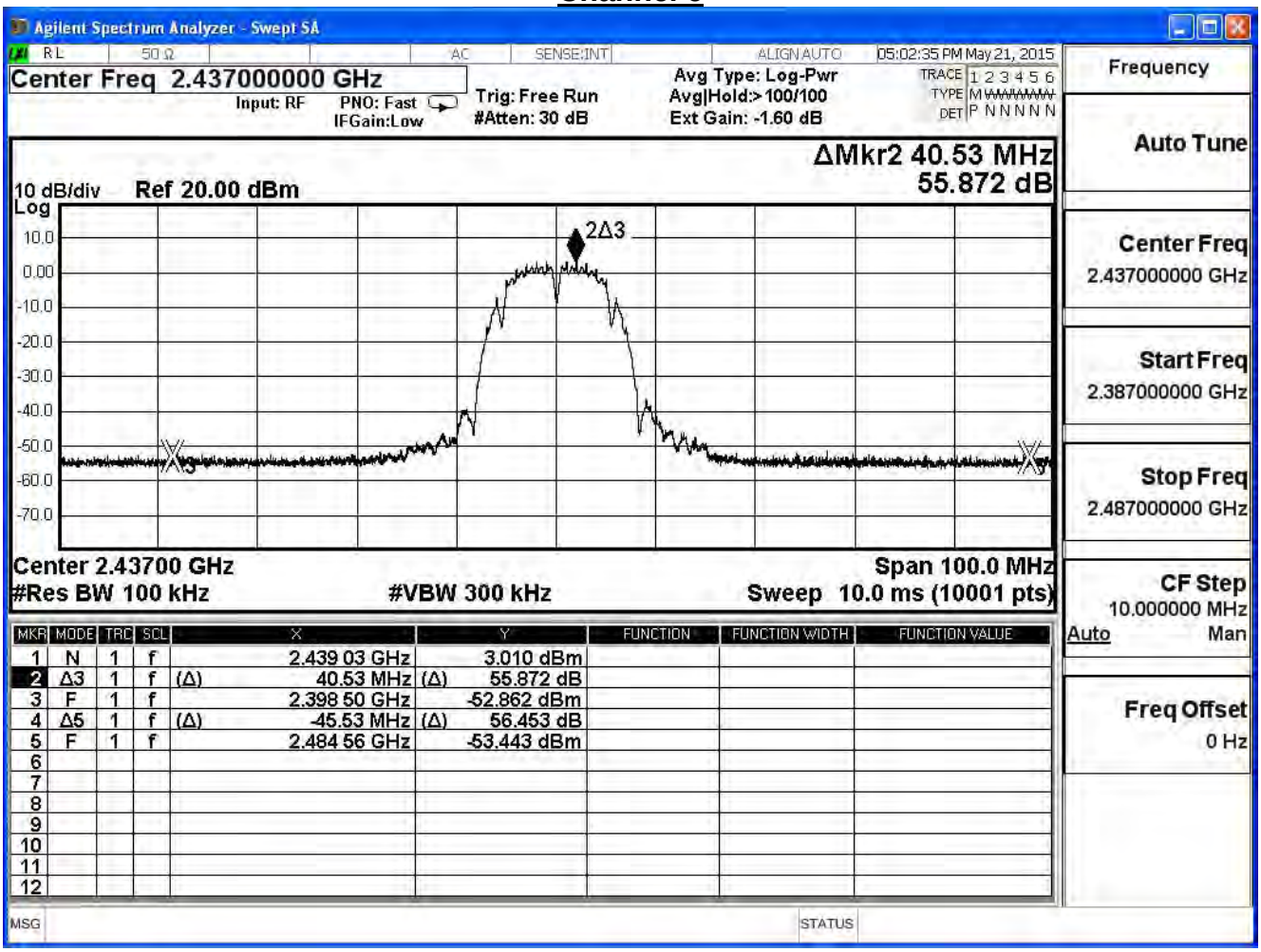
Product	Dual-band Wireless-AC750 Range Extender		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/21	Test Site	SR7

IEEE 802.11b (ANT 1), Antenna Gain: 3dBi				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	51.719	≧30	Pass
6	2437	55.872	≧30	Pass
11	2462	55.320	≧30	Pass

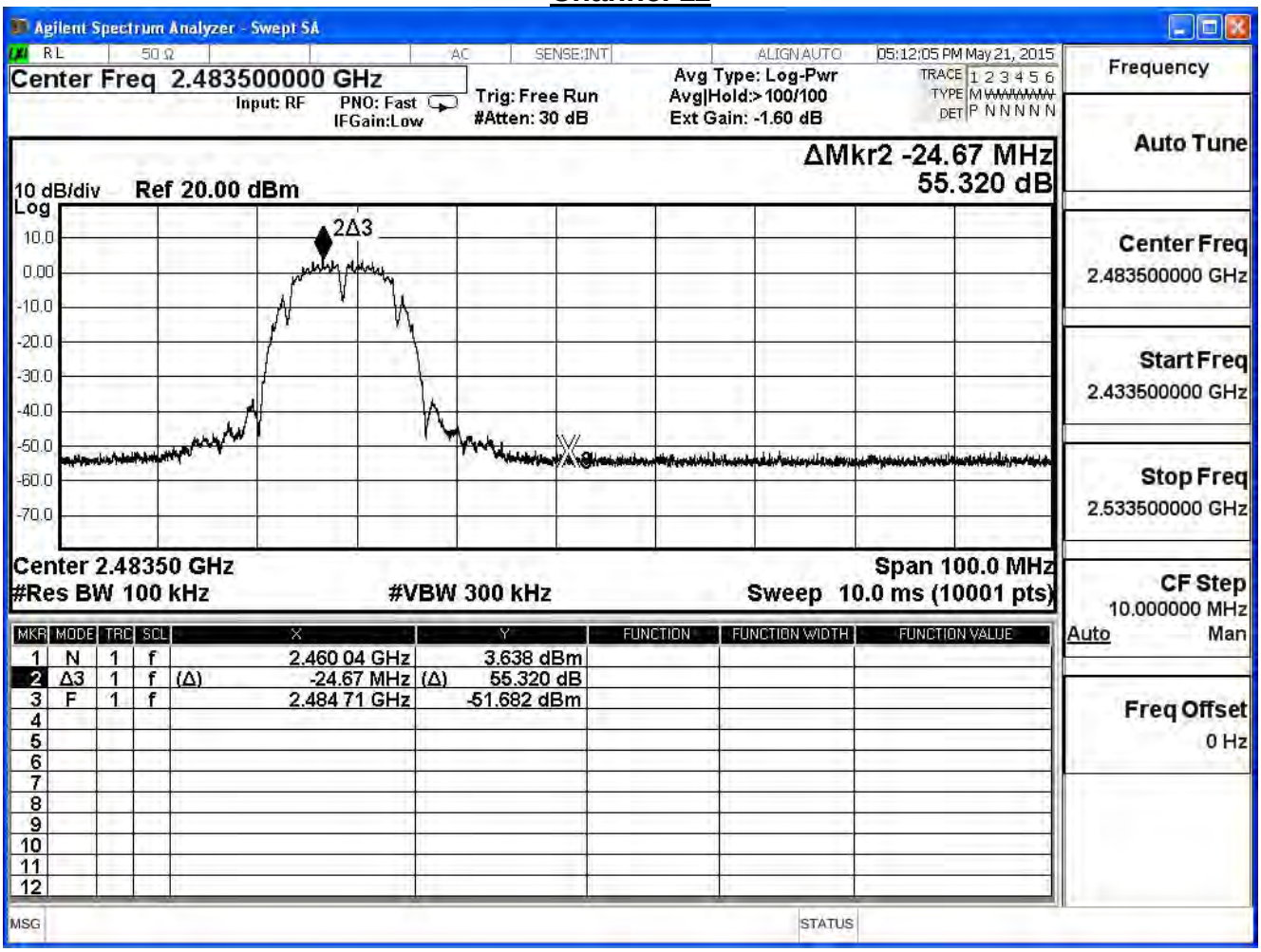
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:02:35 PM May 21, 2015
Center Freq 2.437000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.60 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
ΔMkr2 40.53 MHz
55.872 dB
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
2Δ3
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 03 GHz 3.010 dBm
2 Δ3 1 f (Δ) 40.53 MHz (Δ) 55.872 dB
3 F 1 f 2.398 50 GHz -52.862 dBm
4 Δ5 1 f (Δ) -45.53 MHz (Δ) 56.453 dB
5 F 1 f 2.484 56 GHz -53.443 dBm
6
7
8
9
10
11
12
MSG
STATUS
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

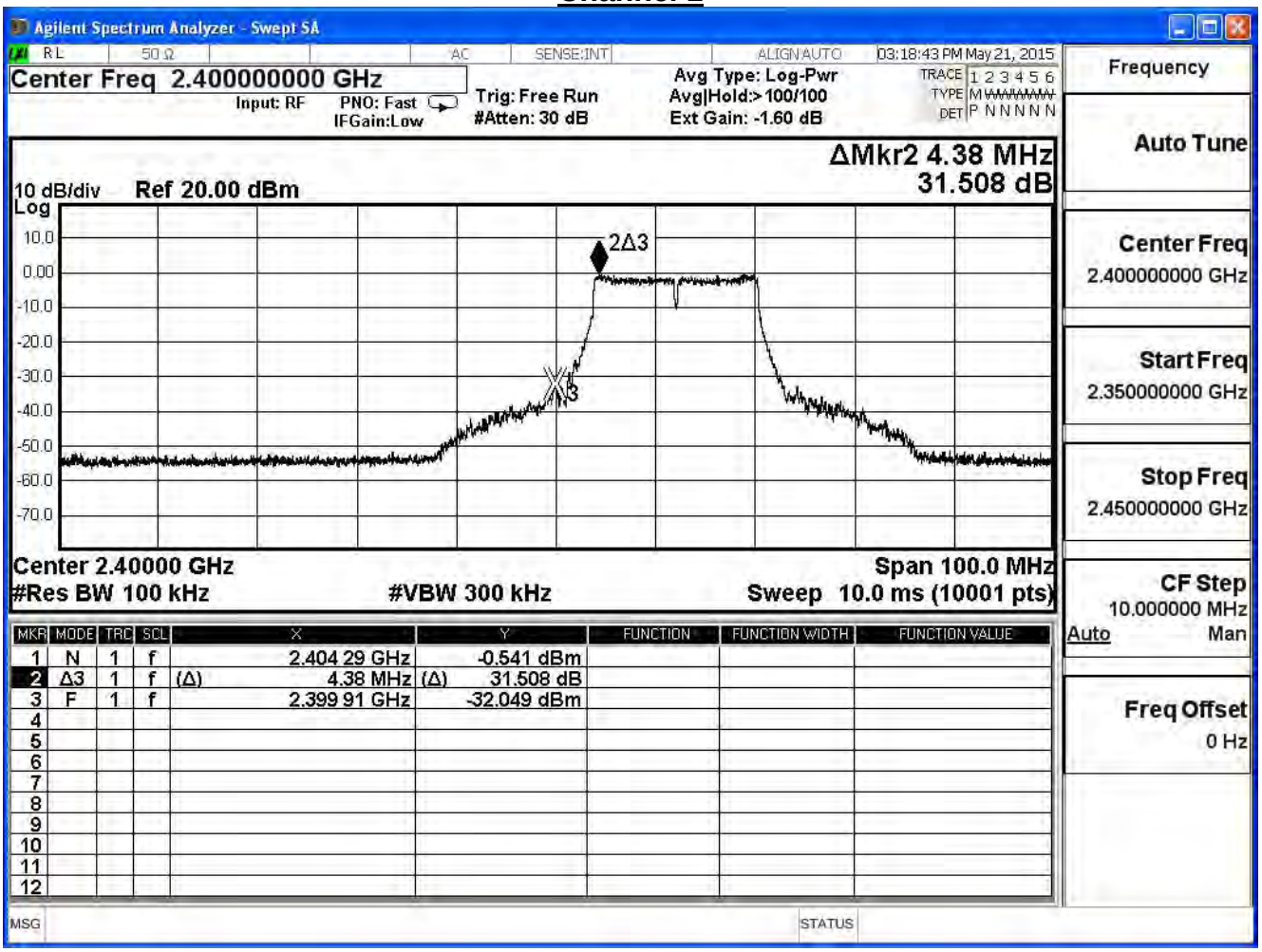
Channel 11


Agilent Spectrum Analyzer - Swept SA
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:12:05 PM May 21, 2015
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: -1.60 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
ΔMkr2 -24.67 MHz
55.320 dB
10 dB/div
Log
Ref 20.00 dBm
2Δ3
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
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 2.460 04 GHz 3.638 dBm
2 Δ3 1 f (Δ) -24.67 MHz (Δ) 55.320 dB
3 F 1 f 2.484 71 GHz -51.682 dBm
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

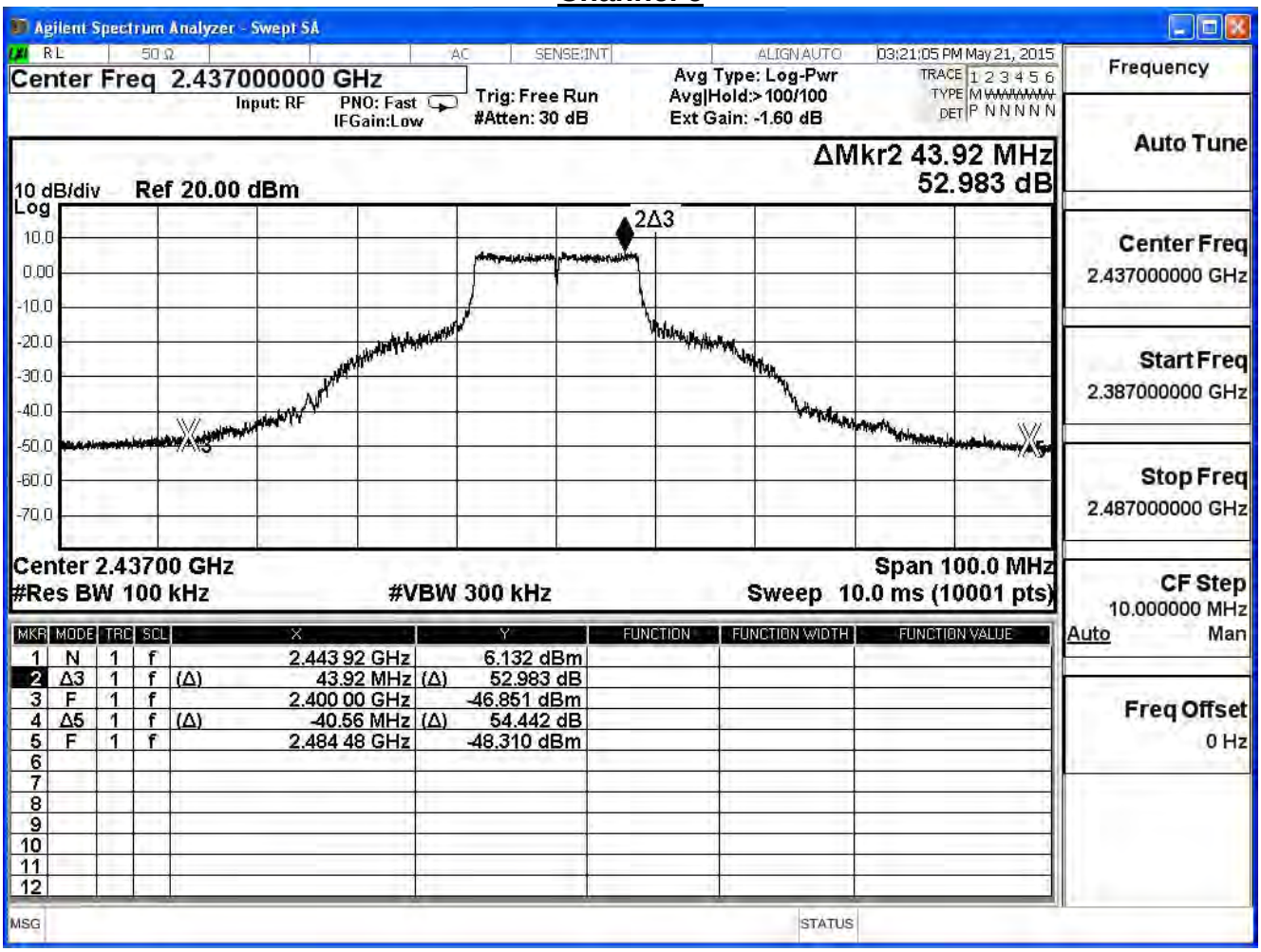
Product	Dual-band Wireless-AC750 Range Extender		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/21	Test Site	SR7

IEEE 802.11g (ANT 0), Antenna Gain: 3dBi				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	31.508	≧30	Pass
6	2437	52.983	≧30	Pass
11	2462	45.225	≧30	Pass

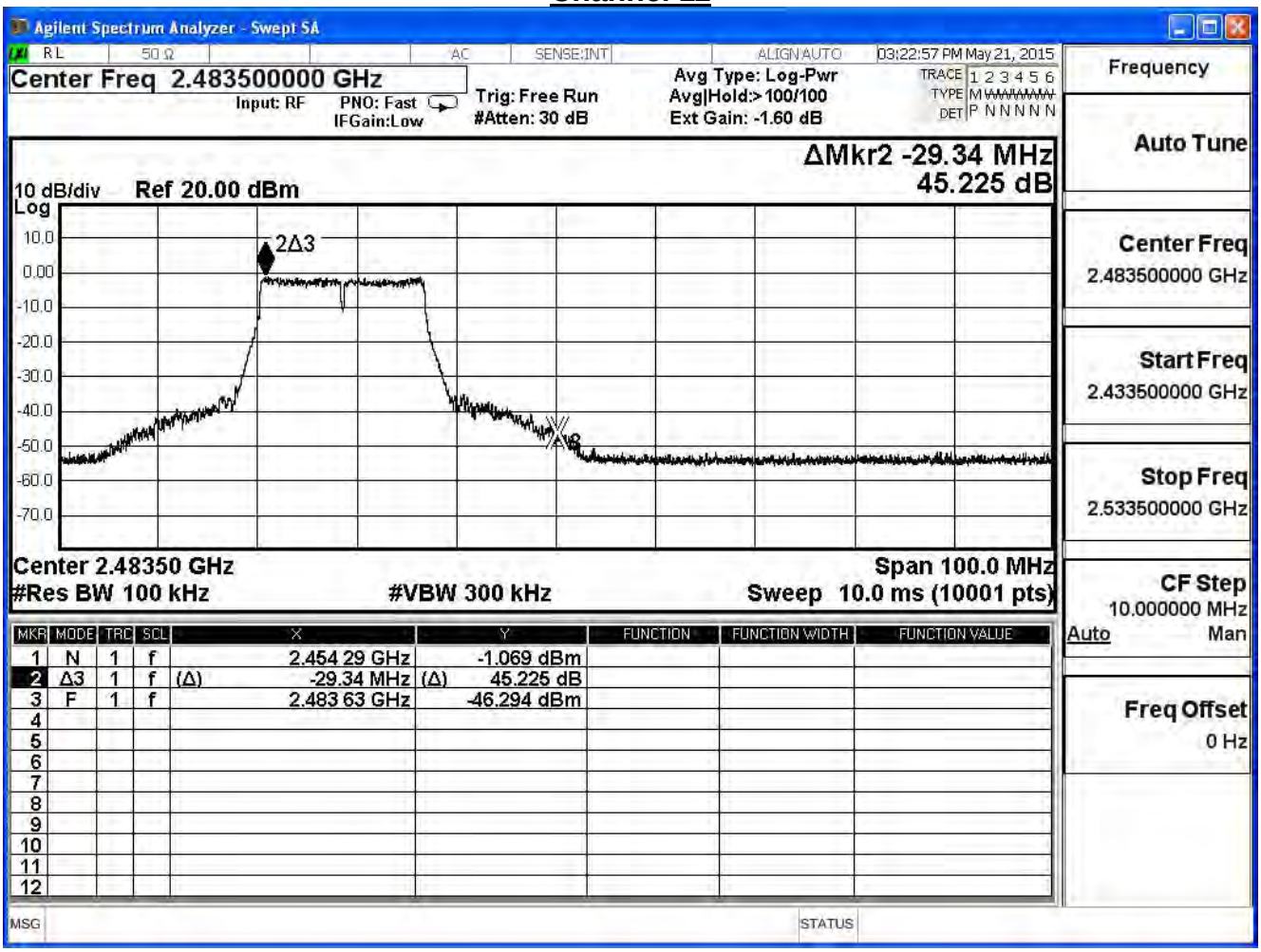
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
03:21:05 PM May 21, 2015
Center Freq 2.437000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.60 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
ΔMkr2 43.92 MHz
52.983 dB
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
2Δ3
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 2.443 92 GHz 6.132 dBm
2 Δ3 1 f (Δ) 43.92 MHz (Δ) 52.983 dB
3 F 1 f 2.400 00 GHz -46.851 dBm
4 Δ5 1 f (Δ) -40.56 MHz (Δ) 54.442 dB
5 F 1 f 2.484 48 GHz -48.310 dBm
6
7
8
9
10
11
12
MSG
STATUS
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

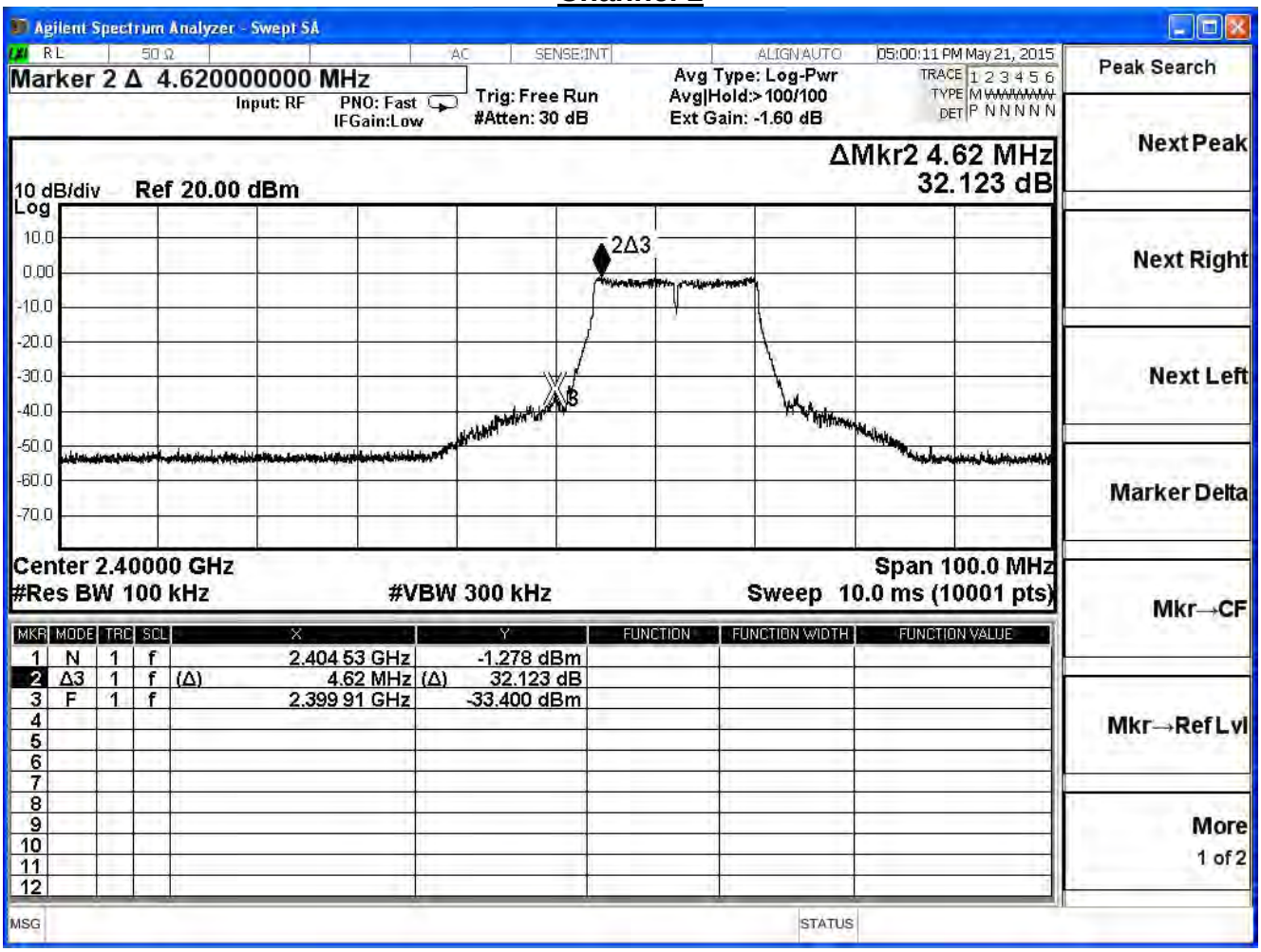
Channel 11


Agilent Spectrum Analyzer - Swept SA
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
03:22:57 PM May 21, 2015
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: -1.60 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
ΔMkr2 -29.34 MHz
45.225 dB
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
2Δ3
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 2.454 29 GHz -1.069 dBm
2 Δ3 1 f (Δ) -29.34 MHz (Δ) 45.225 dB
3 F 1 f 2.483 63 GHz -46.294 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

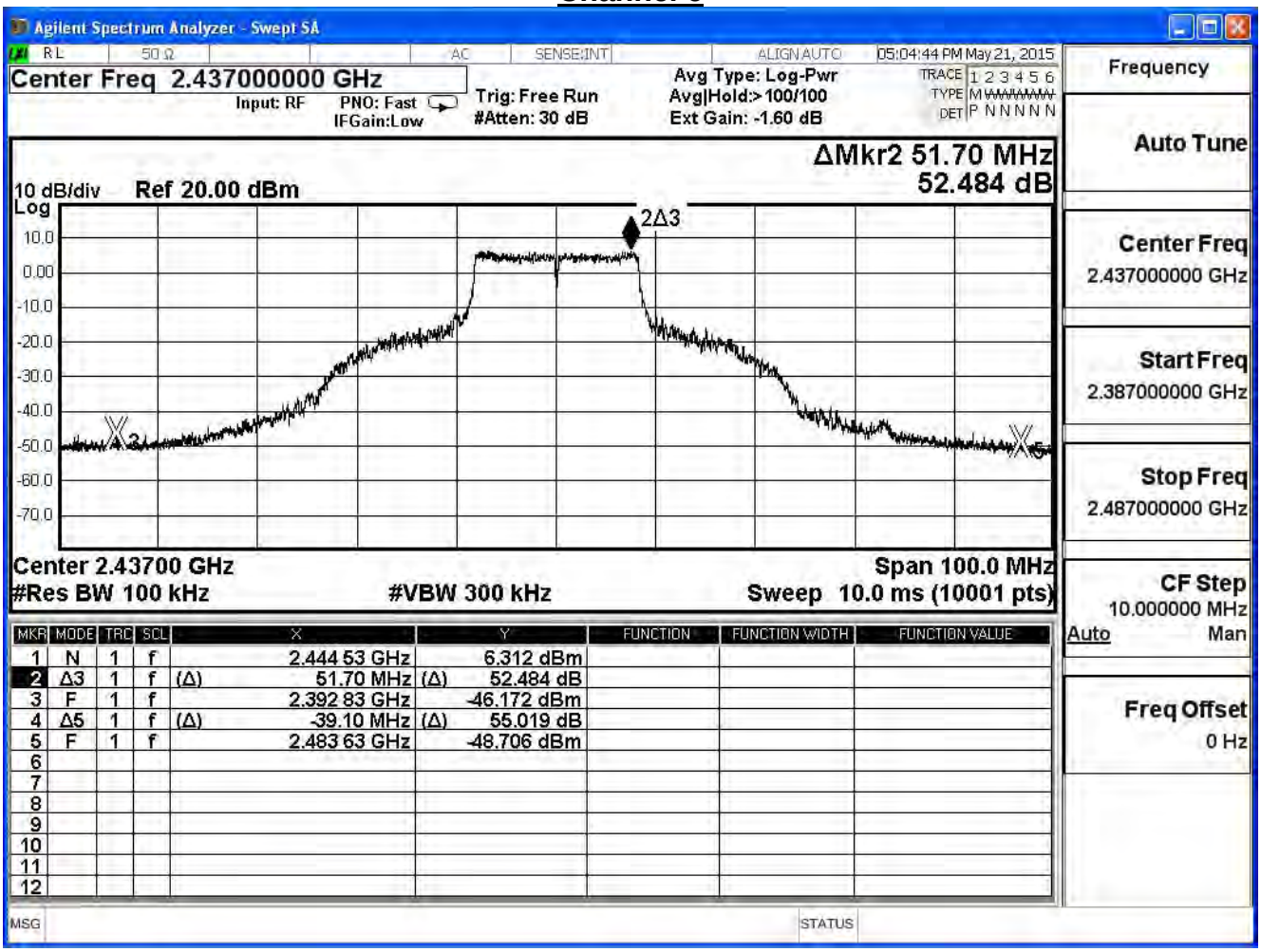
Product	Dual-band Wireless-AC750 Range Extender		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/21	Test Site	SR7

IEEE 802.11g (ANT 1), Antenna Gain: 3dBi				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	32.123	≧30	Pass
6	2437	52.484	≧30	Pass
11	2462	46.609	≧30	Pass

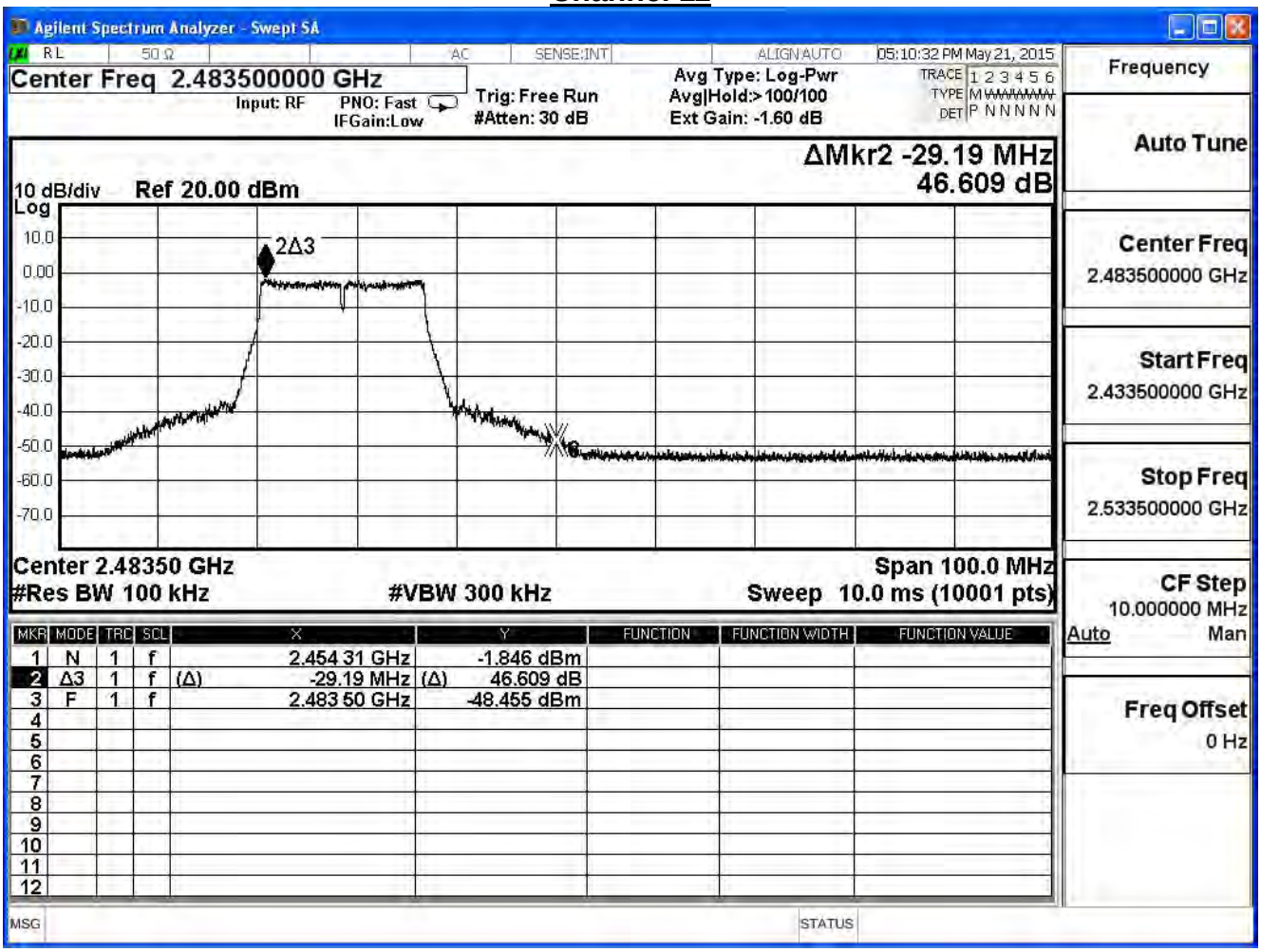
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:04:44 PM May 21, 2015
Center Freq 2.437000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.60 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
ΔMkr2 51.70 MHz
52.484 dB
10 dB/div
Log
Ref 20.00 dBm
2Δ3
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
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 2.444 53 GHz 6.312 dBm
2 Δ3 1 f (Δ) 51.70 MHz (Δ) 52.484 dB
3 F 1 f 2.392 83 GHz -46.172 dBm
4 Δ5 1 f (Δ) -39.10 MHz (Δ) 55.019 dB
5 F 1 f 2.483 63 GHz -48.706 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

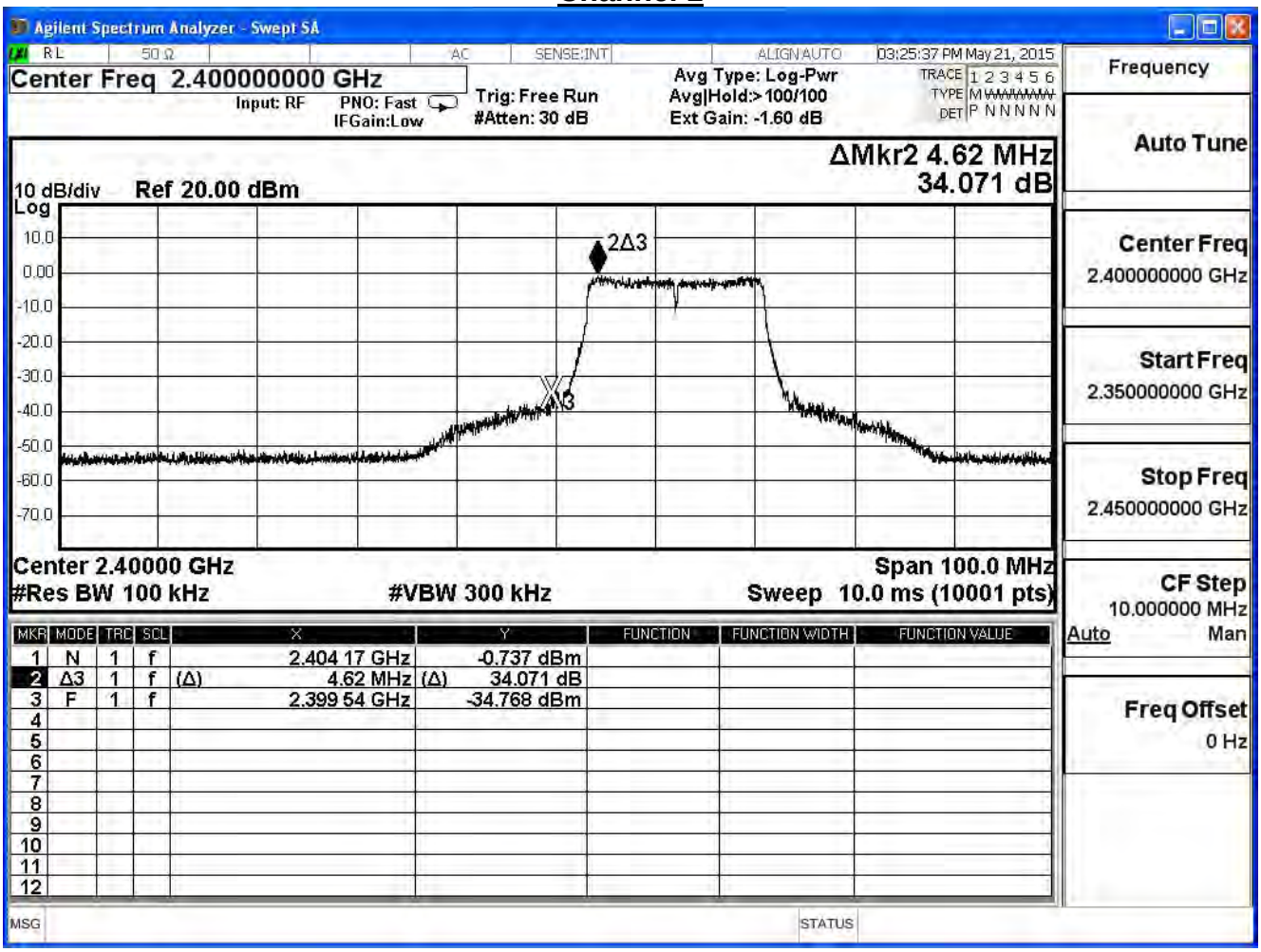
Channel 11


Agilent Spectrum Analyzer - Swept SA
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:10:32 PM May 21, 2015
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: -1.60 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
ΔMkr2 -29.19 MHz
46.609 dB
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
2Δ3
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 2.454 31 GHz -1.846 dBm
2 Δ3 1 f (Δ) -29.19 MHz (Δ) 46.609 dB
3 F 1 f 2.483 50 GHz -48.455 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

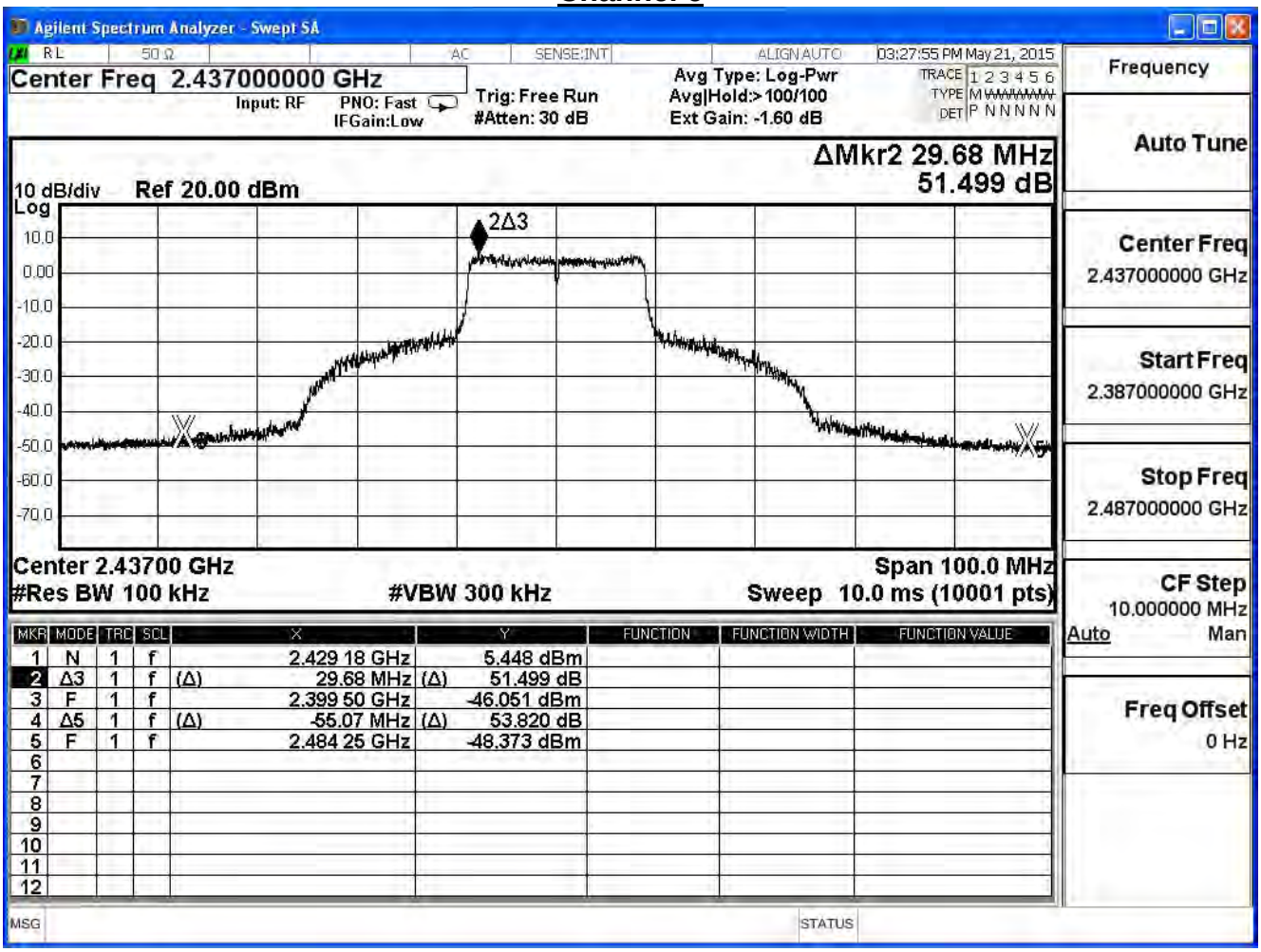
Product	Dual-band Wireless-AC750 Range Extender		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/21	Test Site	SR7

IEEE 802.11n (20MHz), (ANT 0) Antenna Gain: 3dBi				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	34.071	≧30	Pass
6	2437	51.499	≧30	Pass
11	2462	44.072	≧30	Pass

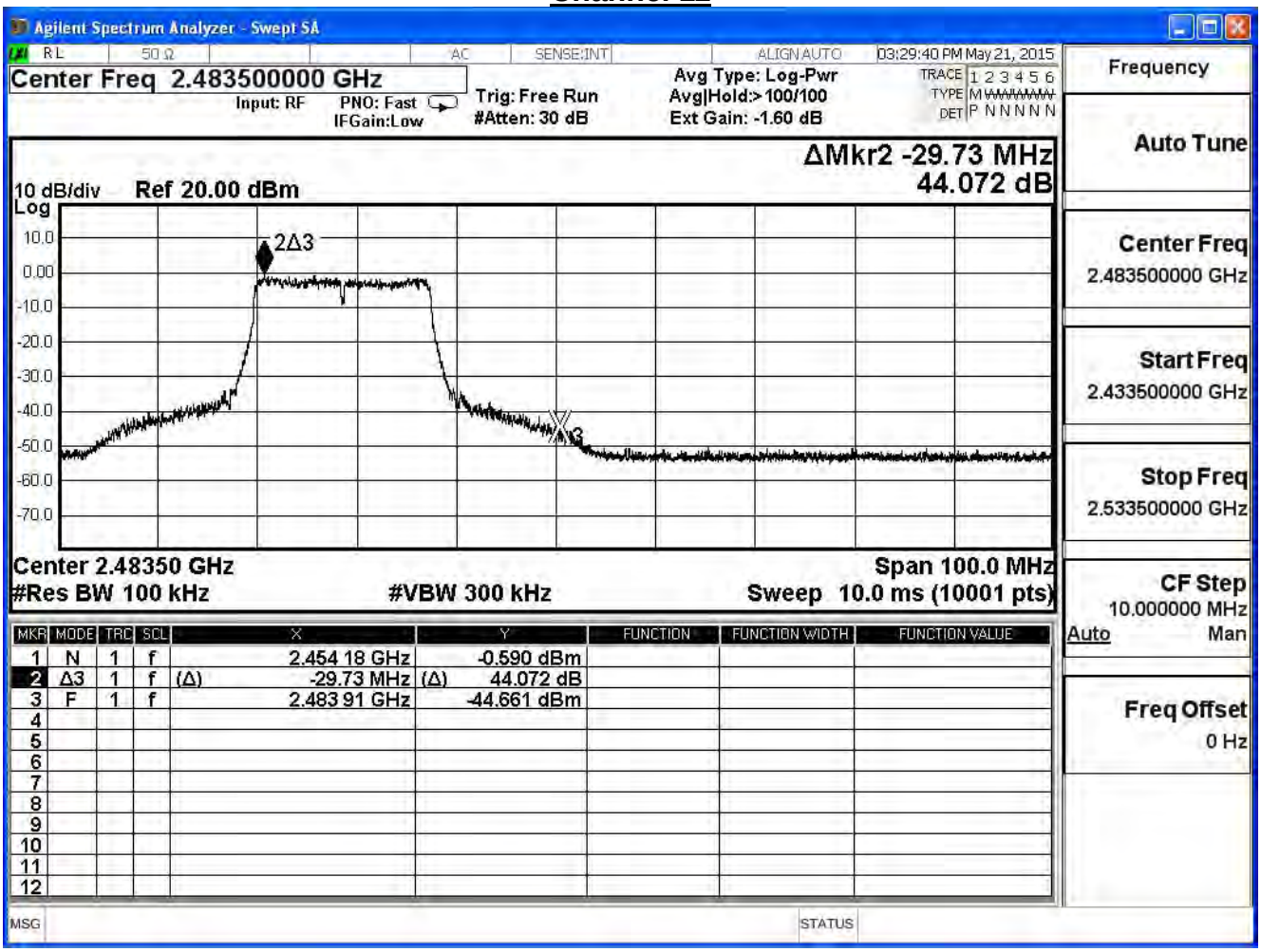
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
03:27:55 PM May 21, 2015
Center Freq 2.437000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.60 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
ΔMkr2 29.68 MHz
51.499 dB
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
2Δ3
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 2.429 18 GHz 5.448 dBm
2 Δ3 1 f (Δ) 29.68 MHz (Δ) 51.499 dB
3 F 1 f 2.399 50 GHz -46.051 dBm
4 Δ5 1 f (Δ) -55.07 MHz (Δ) 53.820 dB
5 F 1 f 2.484 25 GHz -48.373 dBm
6
7
8
9
10
11
12
MSG
STATUS
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

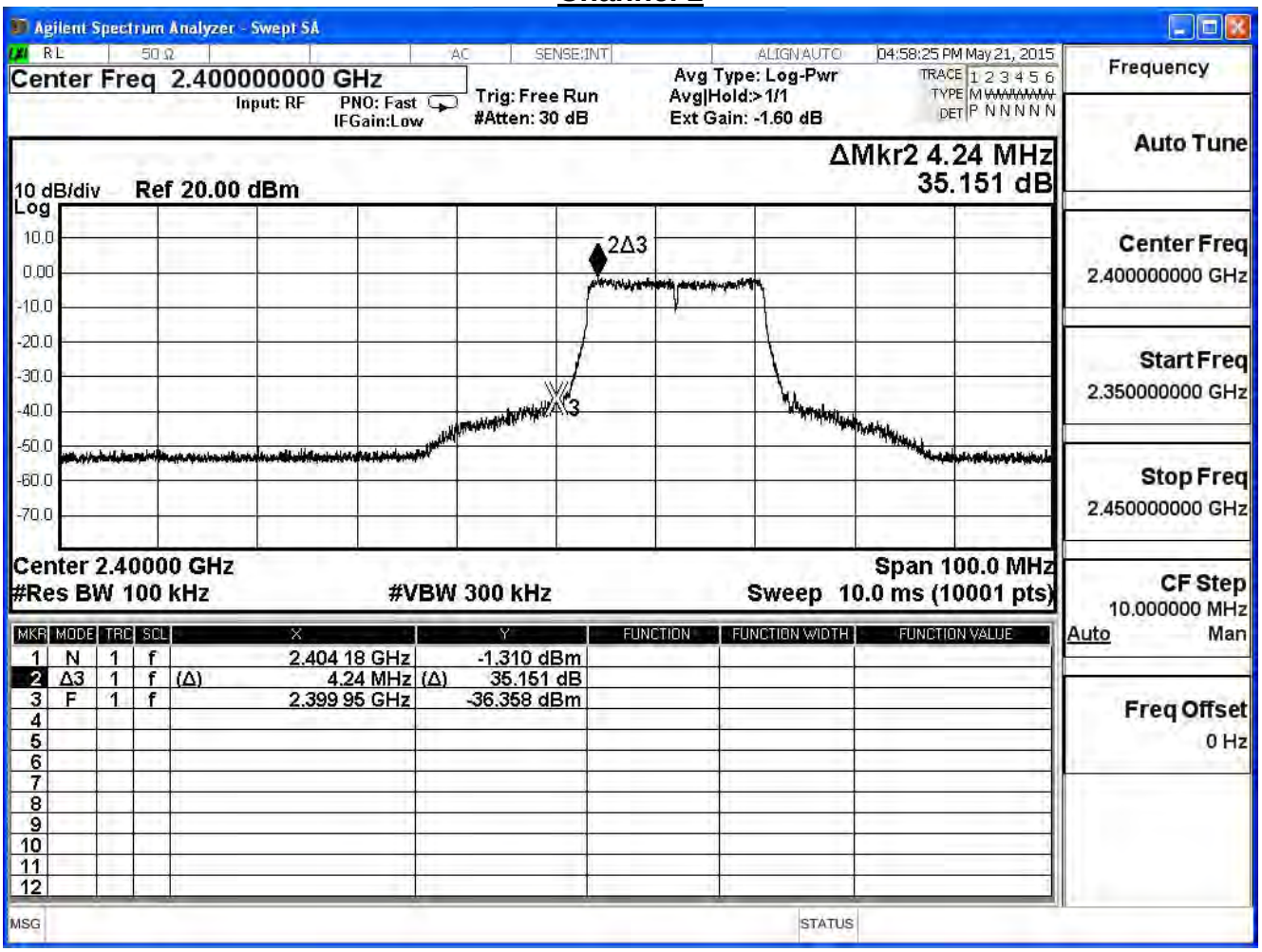
Channel 11


Agilent Spectrum Analyzer - Swept SA
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
03:29:40 PM May 21, 2015
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: -1.60 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
ΔMkr2 -29.73 MHz
44.072 dB
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
2Δ3
3
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 2.454 18 GHz -0.590 dBm
2 Δ3 1 f (Δ) -29.73 MHz (Δ) 44.072 dB
3 F 1 f 2.483 91 GHz -44.661 dBm
4
5
6
7
8
9
10
11
12
MSG
STATUS
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

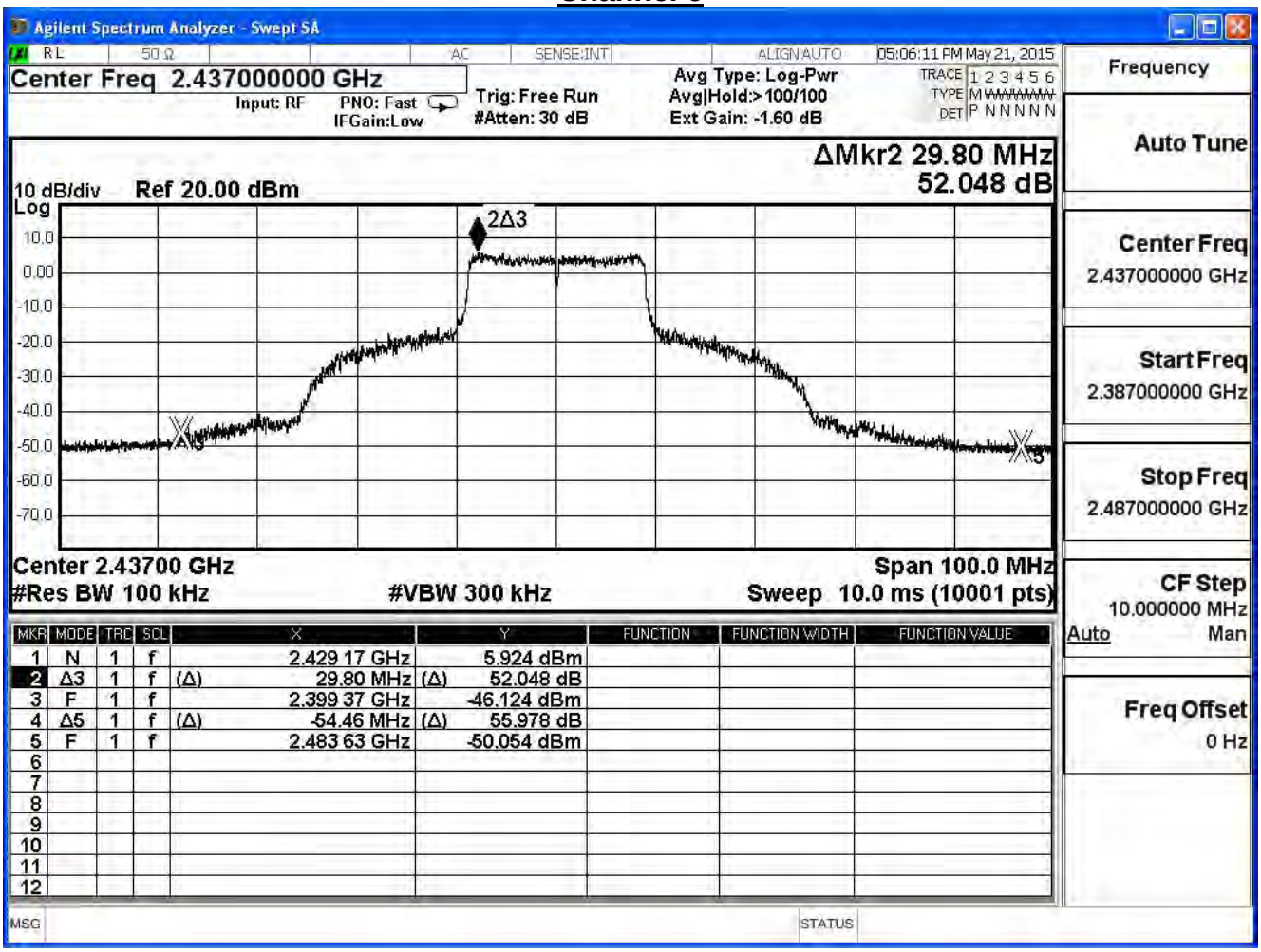
Product	Dual-band Wireless-AC750 Range Extender		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/21	Test Site	SR7

IEEE 802.11n (20MHz), (ANT 1) Antenna Gain: 3dBi				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	35.151	≧30	Pass
6	2437	52.048	≧30	Pass
11	2462	44.681	≧30	Pass

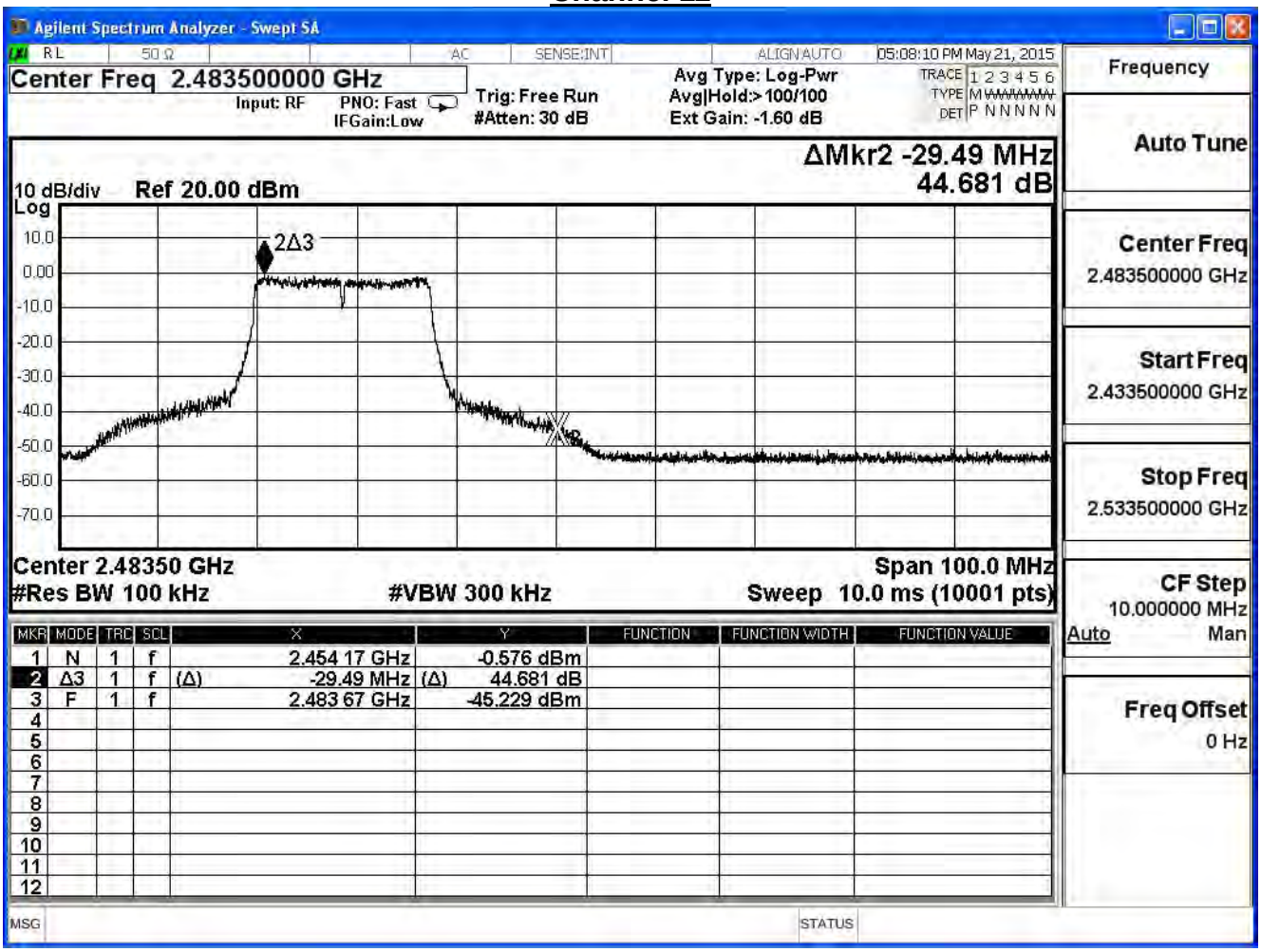
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:06:11 PM May 21, 2015
Center Freq 2.437000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.60 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
ΔMkr2 29.80 MHz
52.048 dB
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
2Δ3
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 2.429 17 GHz 5.924 dBm
2 Δ3 1 f (Δ) 29.80 MHz (Δ) 52.048 dB
3 F 1 f 2.399 37 GHz -46.124 dBm
4 Δ5 1 f (Δ) -54.46 MHz (Δ) 55.978 dB
5 F 1 f 2.483 63 GHz -50.054 dBm
6
7
8
9
10
11
12
MSG
STATUS
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

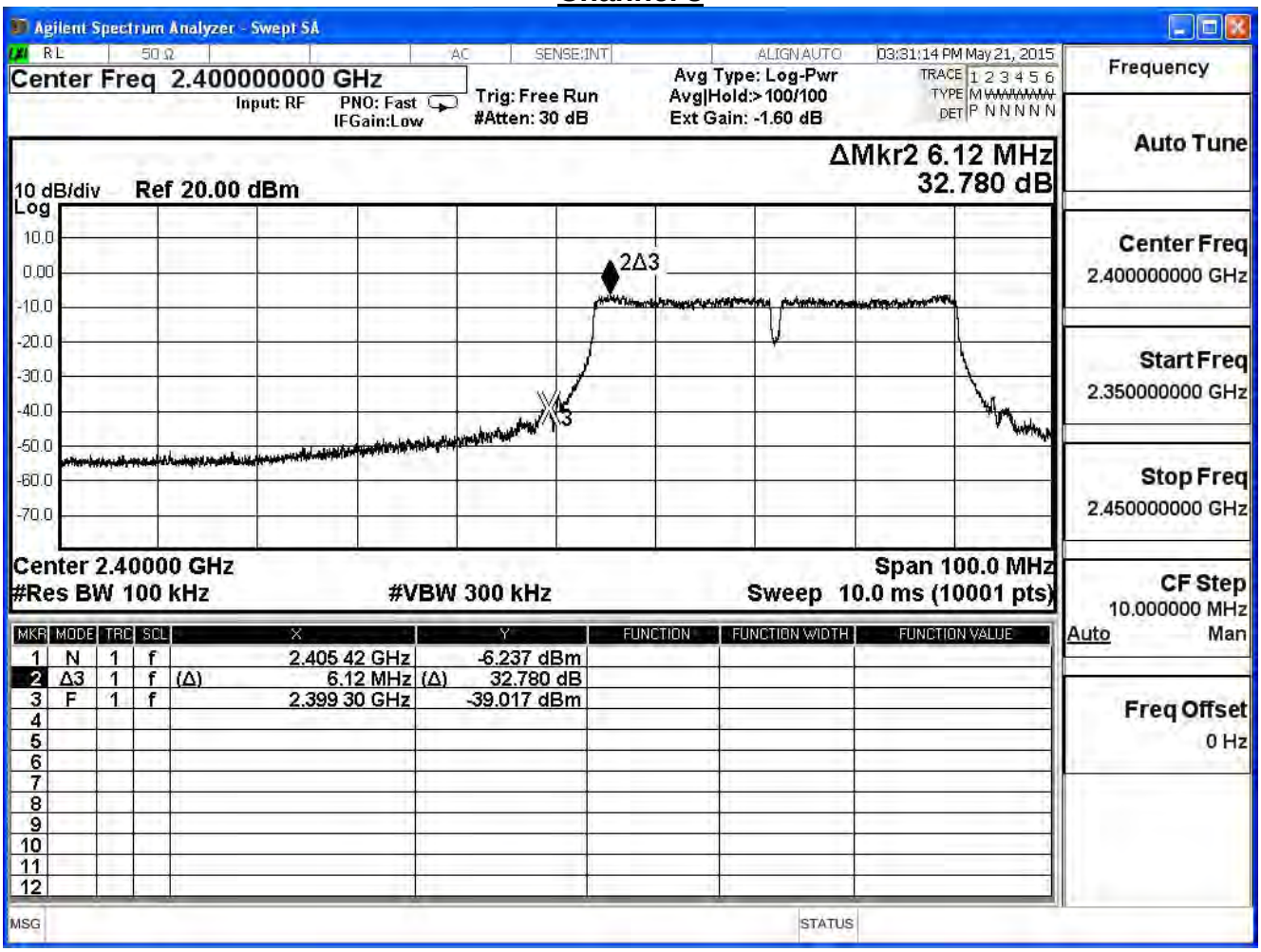
Channel 11


Agilent Spectrum Analyzer - Swept SA
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:08:10 PM May 21, 2015
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: -1.60 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
ΔMkr2 -29.49 MHz
44.681 dB
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
2Δ3
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 2.454 17 GHz -0.576 dBm
2 Δ3 1 f (Δ) -29.49 MHz (Δ) 44.681 dB
3 F 1 f 2.483 67 GHz -45.229 dBm
4
5
6
7
8
9
10
11
12
MSG
STATUS
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

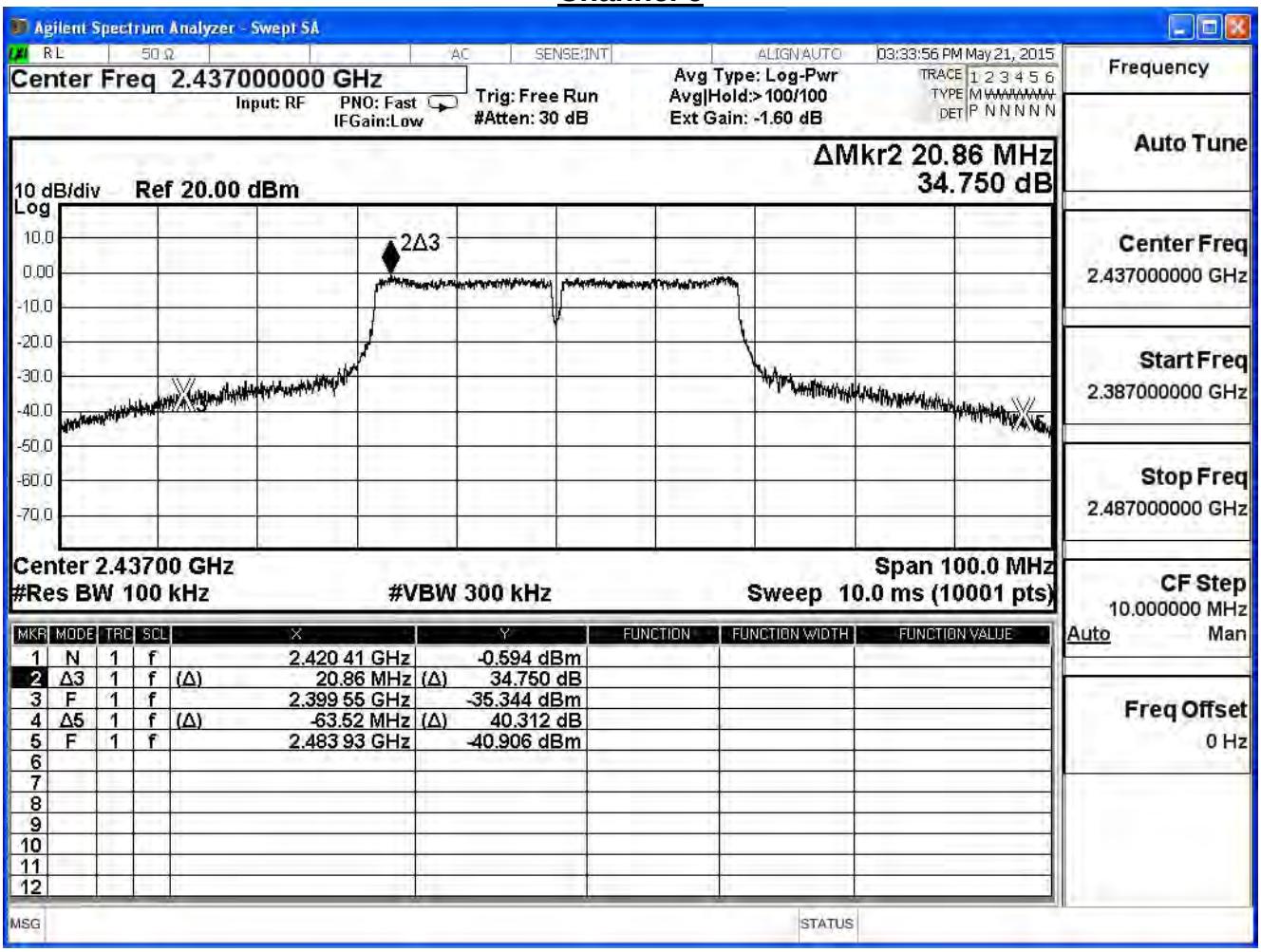
Product	Dual-band Wireless-AC750 Range Extender		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/21	Test Site	SR7

IEEE 802.11n (40MHz), (ANT 0) Antenna Gain: 3dBi				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	32.780	≧30	Pass
6	2437	34.750	≧30	Pass
9	2452	39.137	≧30	Pass

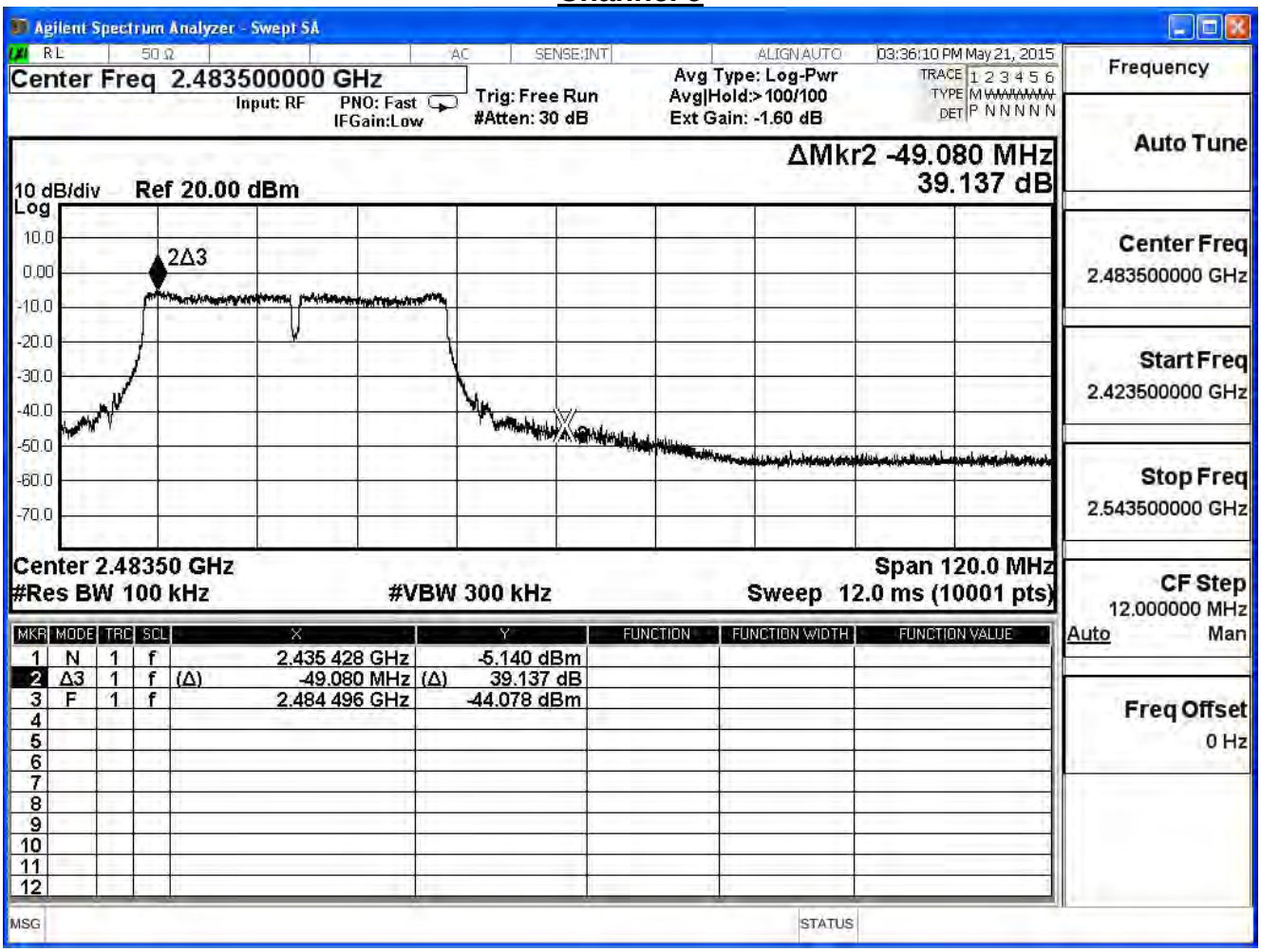
Channel 3



Channel 6


Agilent Spectrum Analyzer - Swept SA
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
03:33:56 PM May 21, 2015
Center Freq 2.437000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.60 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
ΔMkr2 20.86 MHz
34.750 dB
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
2Δ3
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 2.420 41 GHz -0.594 dBm
2 Δ3 1 f (Δ) 20.86 MHz (Δ) 34.750 dB
3 F 1 f 2.399 55 GHz -35.344 dBm
4 Δ5 1 f (Δ) -63.52 MHz (Δ) 40.312 dB
5 F 1 f 2.483 93 GHz -40.906 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

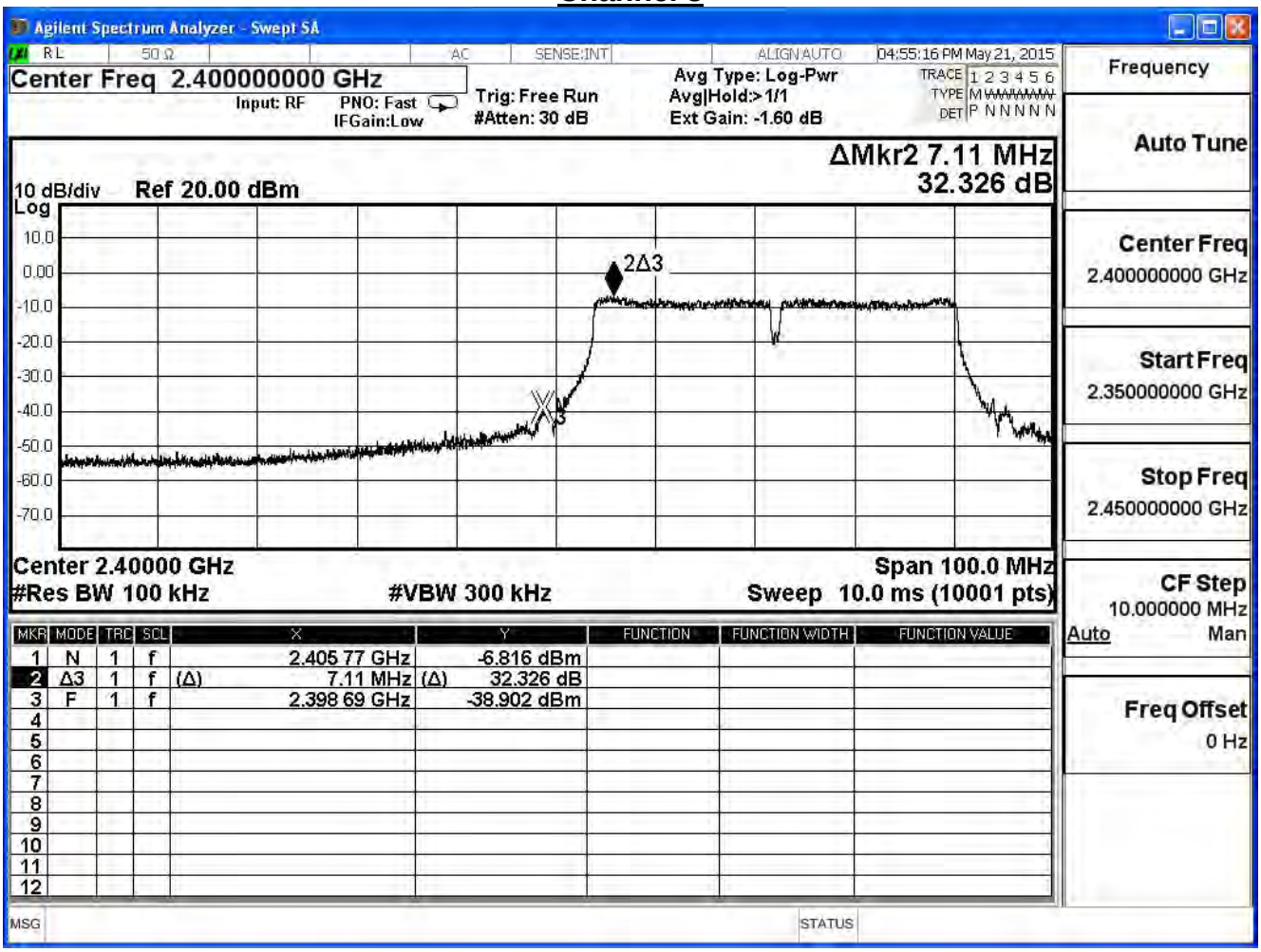
Channel 9


Agilent Spectrum Analyzer - Swept SA
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
03:36:10 PM May 21, 2015
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: -1.60 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
ΔMkr2 -49.080 MHz
39.137 dB
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
2Δ3
Center 2.48350 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 120.0 MHz
Sweep 12.0 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.435 428 GHz -5.140 dBm
2 Δ3 1 f (Δ) -49.080 MHz (Δ) 39.137 dB
3 F 1 f 2.484 496 GHz -44.078 dBm
4
5
6
7
8
9
10
11
12
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.483500000 GHz
Start Freq
2.423500000 GHz
Stop Freq
2.543500000 GHz
CF Step
12.000000 MHz
Auto
Man
Freq Offset
0 Hz

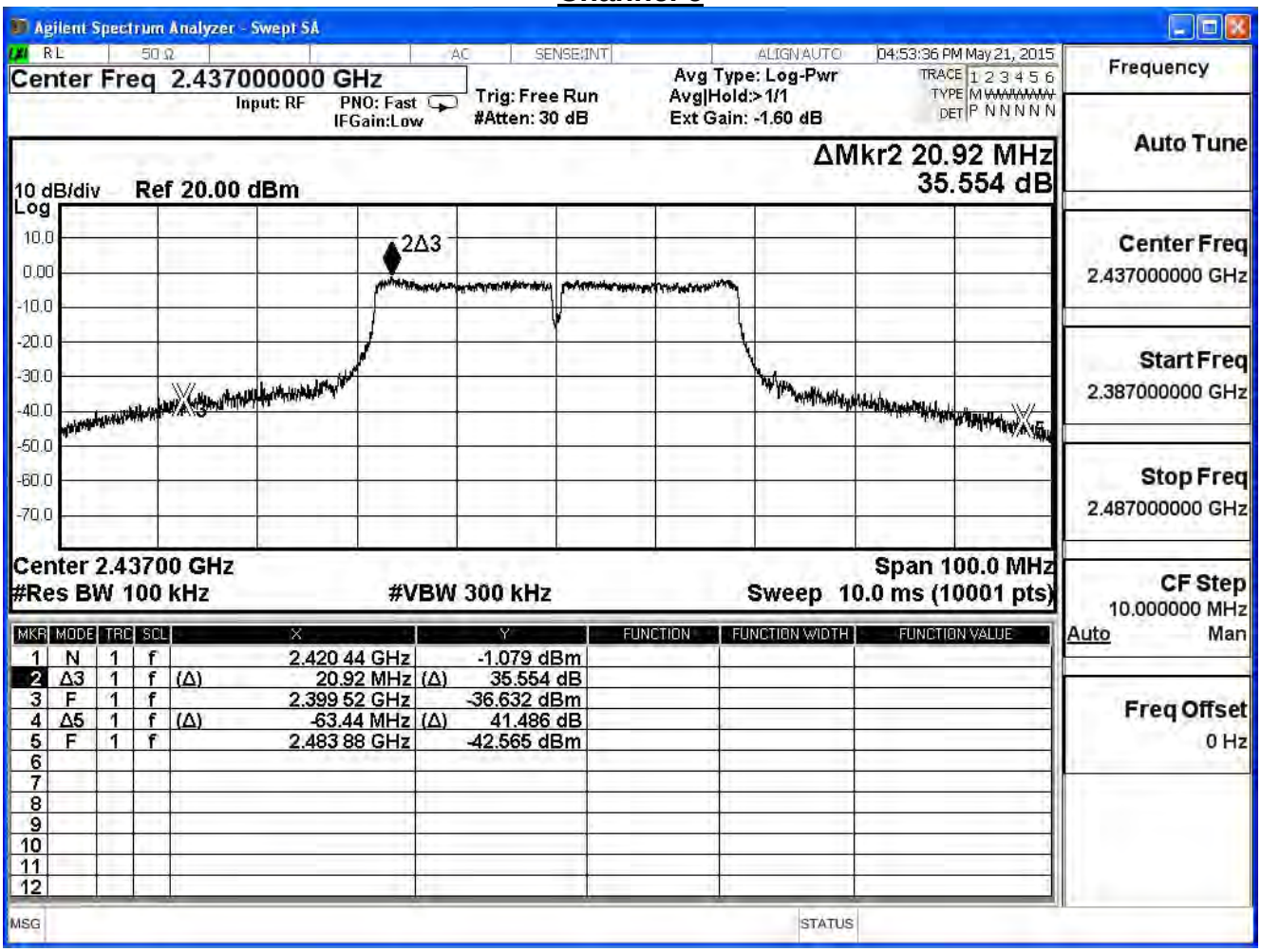
Product	Dual-band Wireless-AC750 Range Extender		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/21	Test Site	SR7

IEEE 802.11n (40MHz), (ANT 1) Antenna Gain: 3dBi				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	32.326	≧30	Pass
6	2437	35.554	≧30	Pass
9	2452	40.971	≧30	Pass

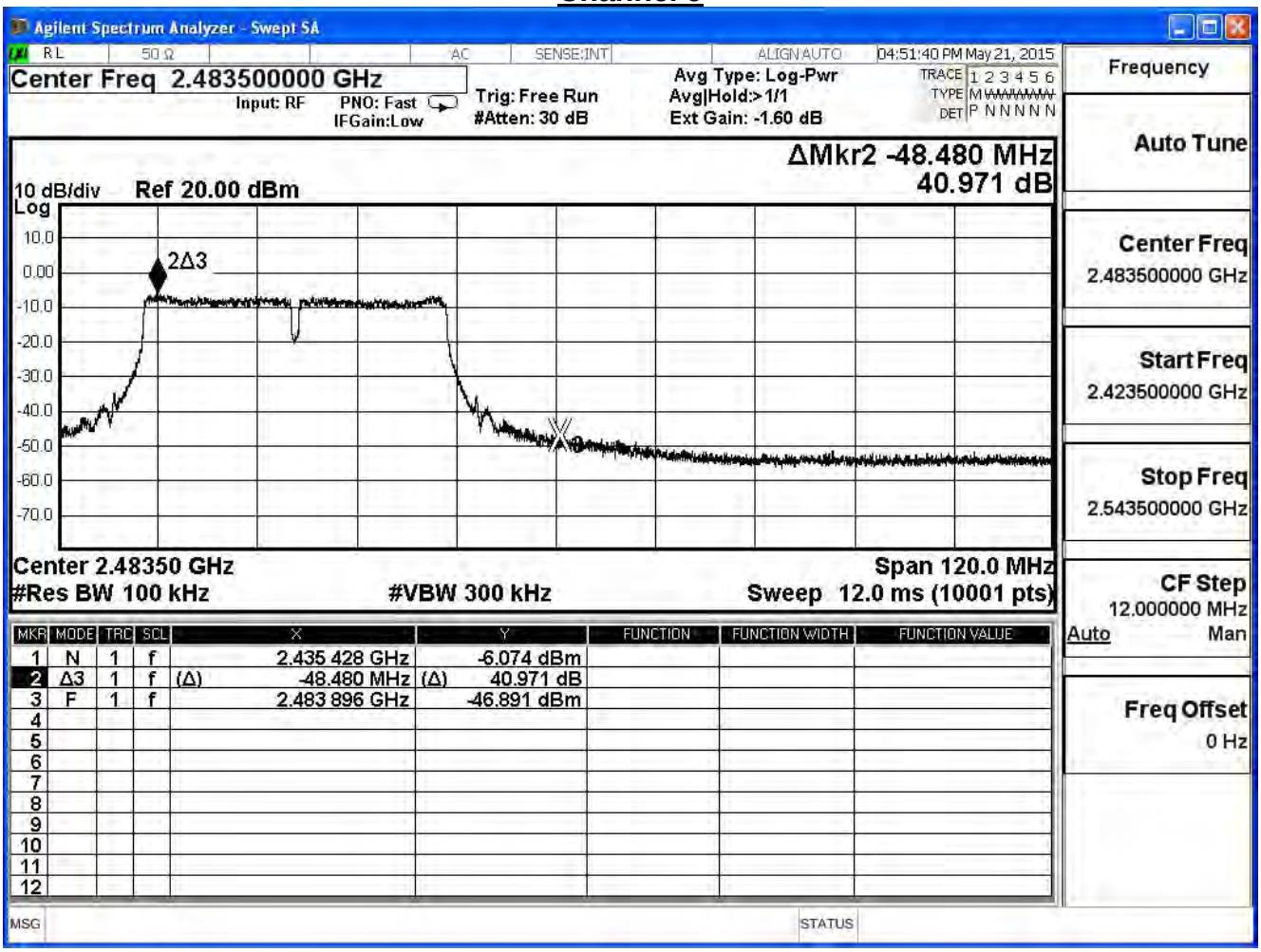
Channel 3



Channel 6

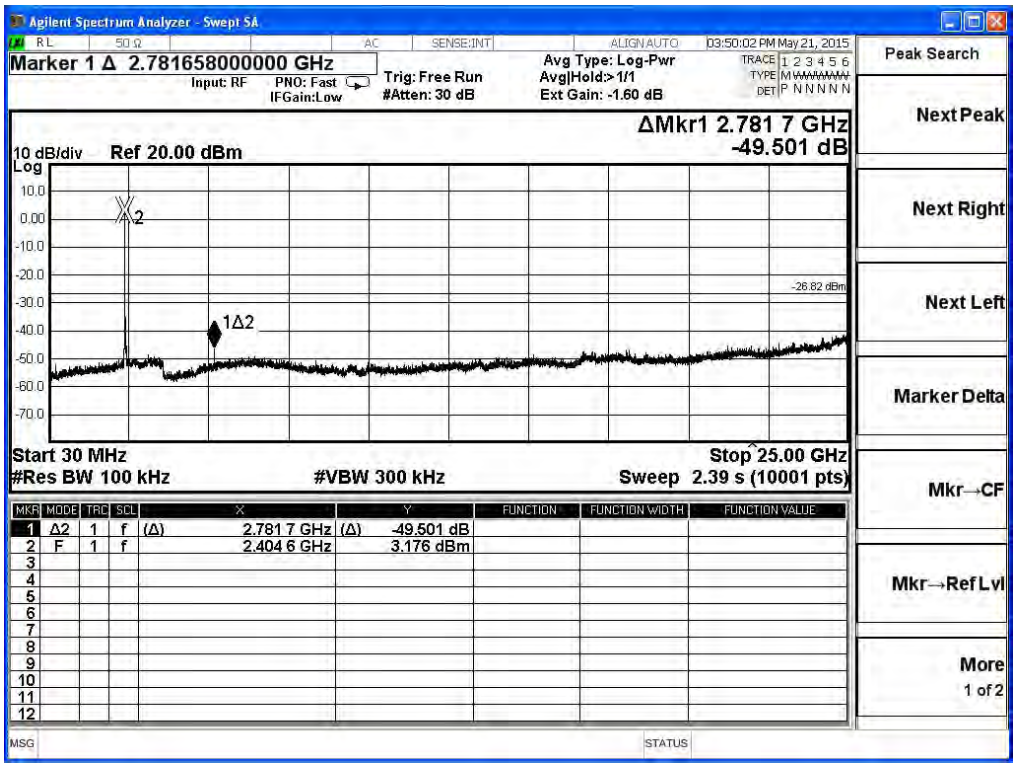

Agilent Spectrum Analyzer - Swept SA
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:53:36 PM May 21, 2015
Center Freq 2.437000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>1/1
Ext Gain: -1.60 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
ΔMkr2 20.92 MHz
35.554 dB
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
2Δ3
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 2.420 44 GHz -1.079 dBm
2 Δ3 1 f (Δ) 20.92 MHz (Δ) 35.554 dB
3 F 1 f 2.399 52 GHz -36.632 dBm
4 Δ5 1 f (Δ) -63.44 MHz (Δ) 41.486 dB
5 F 1 f 2.483 88 GHz -42.565 dBm
6
7
8
9
10
11
12
MSG
STATUS
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

Channel 9

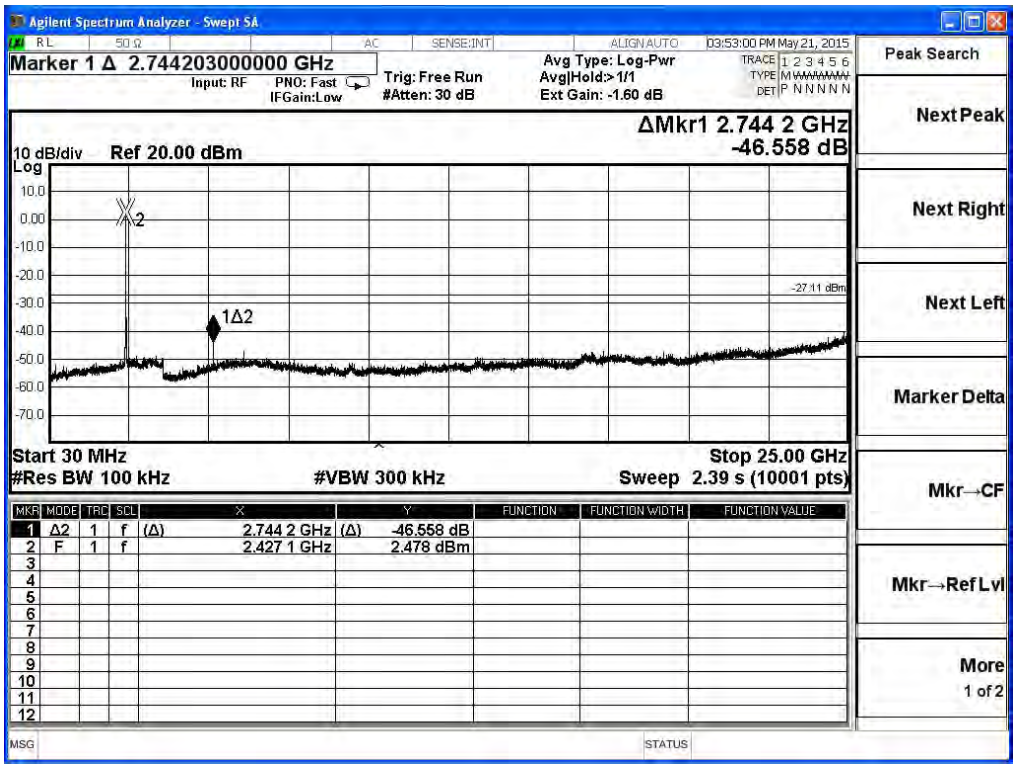

Agilent Spectrum Analyzer - Swept SA
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:51:40 PM May 21, 2015
Center Freq 2.483500000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>1/1
Ext Gain: -1.60 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
ΔMkr2 -48.480 MHz
40.971 dB
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
2Δ3
Center 2.48350 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 120.0 MHz
Sweep 12.0 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.435 428 GHz -6.074 dBm
2 Δ3 1 f (Δ) -48.480 MHz (Δ) 40.971 dB
3 F 1 f 2.483 896 GHz -46.891 dBm
4
5
6
7
8
9
10
11
12
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.483500000 GHz
Start Freq
2.423500000 GHz
Stop Freq
2.543500000 GHz
CF Step
12.000000 MHz
Auto
Man
Freq Offset
0 Hz

Product	Dual-band Wireless-AC750 Range Extender		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/20	Test Site	SR7

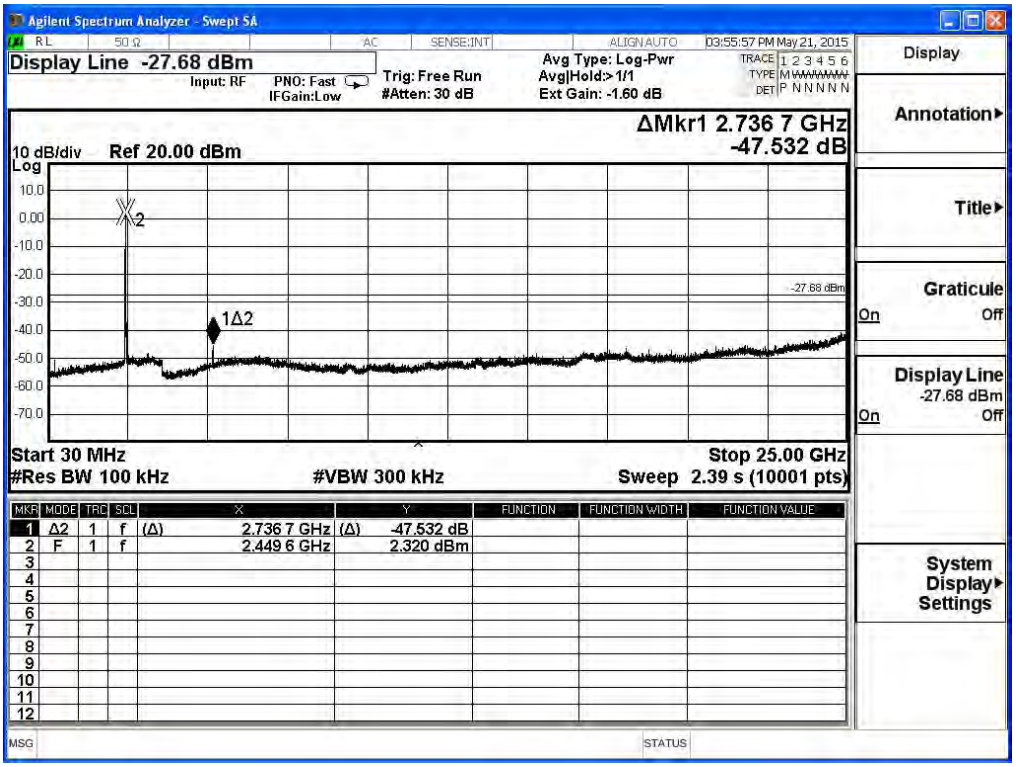
2412MHz (30MHz-25GHz)-802.11b (ANT 0)



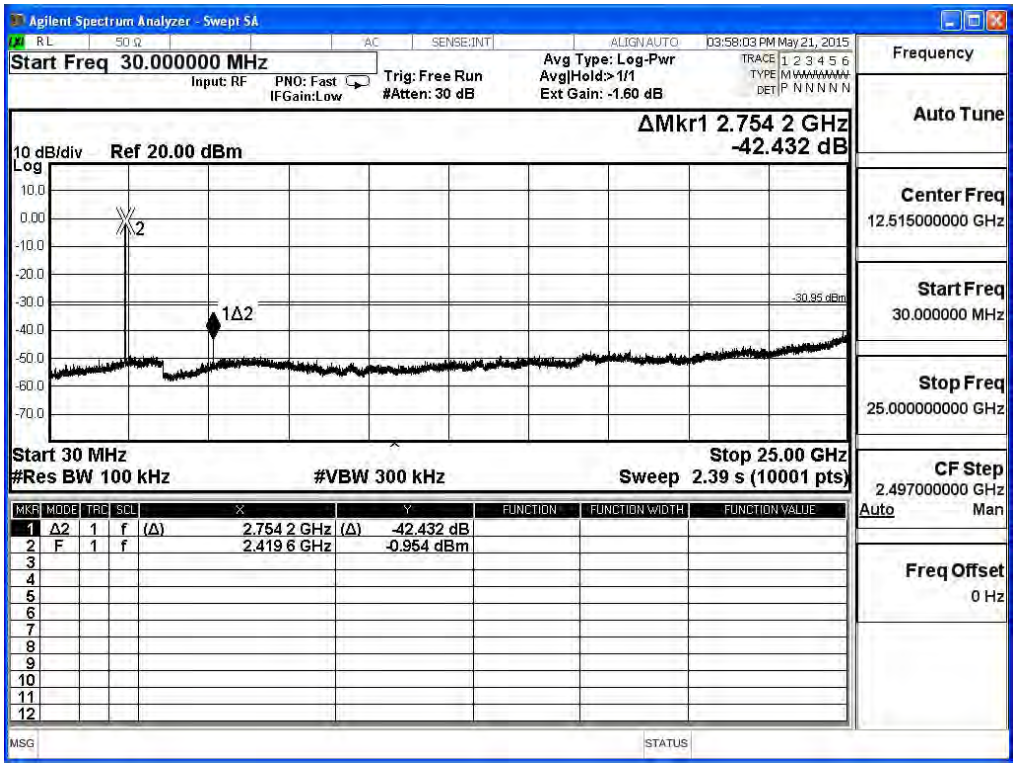
2437MHz (30MHz-25GHz)-802.11b (ANT 0)


Agilent Spectrum Analyzer - Swept SA
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
03:53:00 PM May 21, 2015
Marker 1 Δ 2.744203000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>1/1
Ext Gain: -1.60 dB
TRACE 1 2 3 4 5 6
TYPE M WWWWW
DET P N N N N N
ΔMkr1 2.744 2 GHz
-46.558 dB
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-27.11 dBm
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 25.00 GHz
Sweep 2.39 s (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 Δ2 1 f (Δ) 2.744 2 GHz (Δ) -46.558 dB
2 F 1 f 2.427 1 GHz 2.478 dBm
3
4
5
6
7
8
9
10
11
12
Peak Search
Next Peak
Next Right
Next Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2
MSG
STATUS

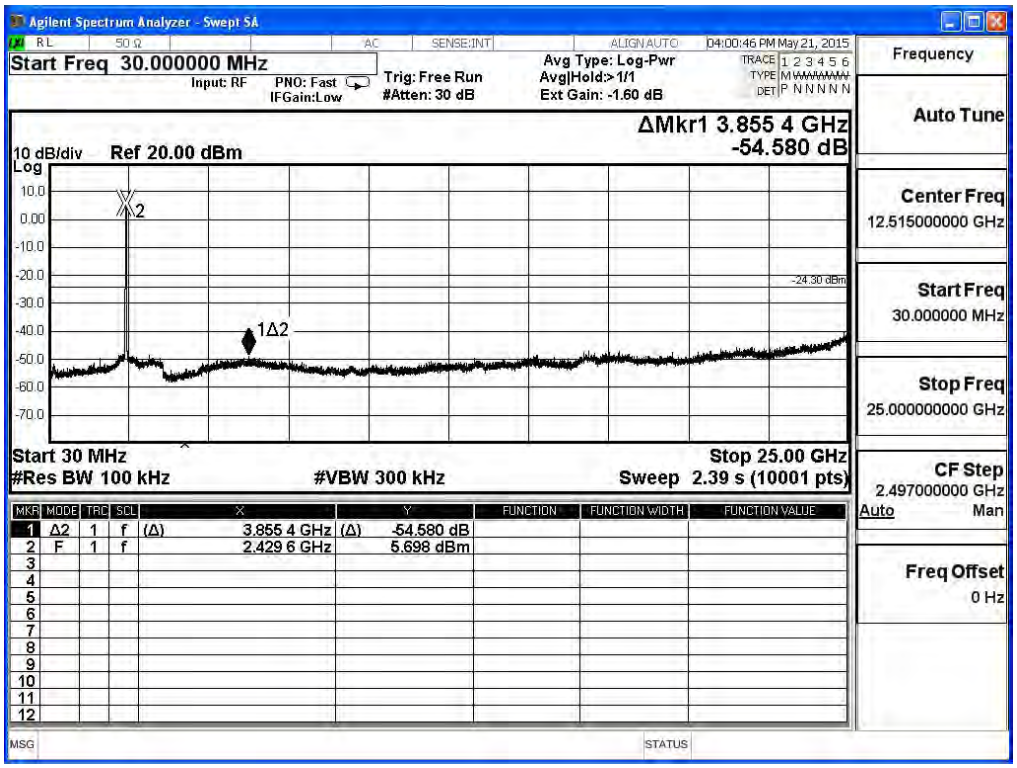
2462MHz (30MHz-25GHz) -802.11b (ANT 0)



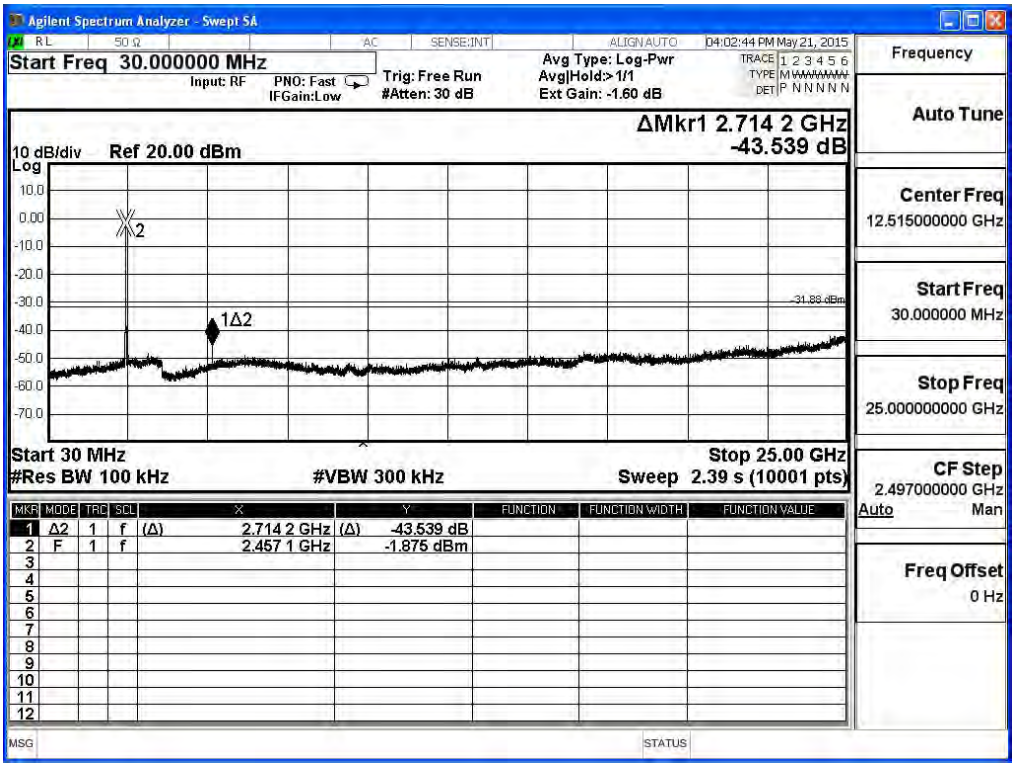
2412MHz (30MHz-25GHz)-802.11g (ANT 0)



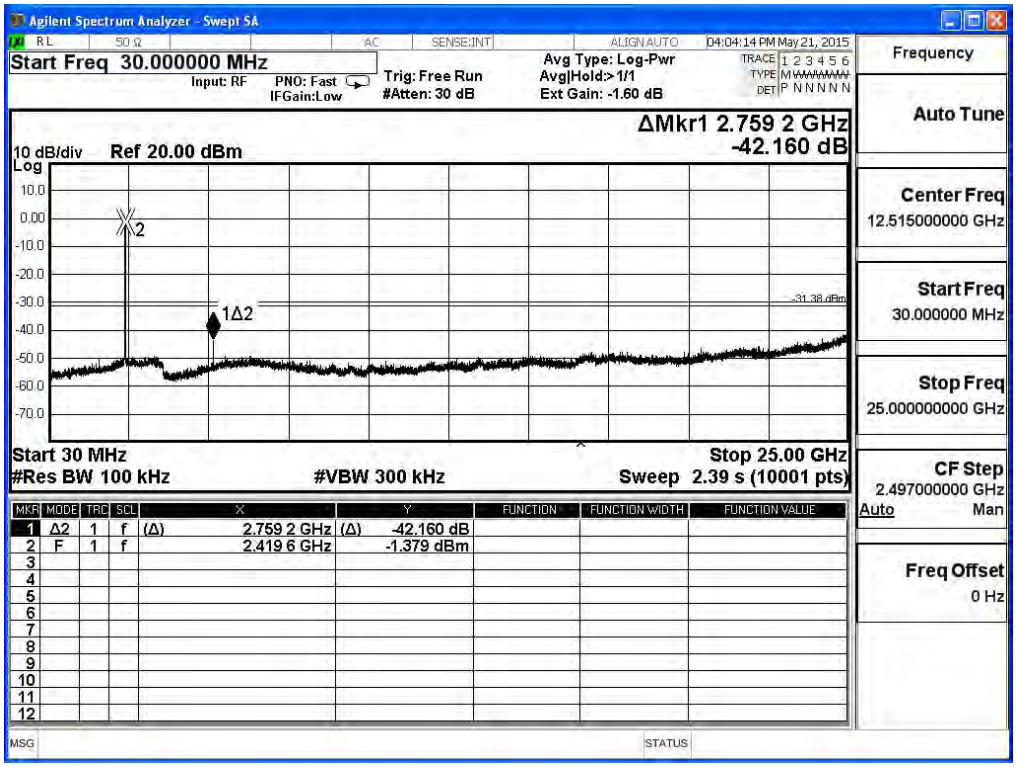
2437MHz (30MHz-25GHz)-802.11g (ANT 0)



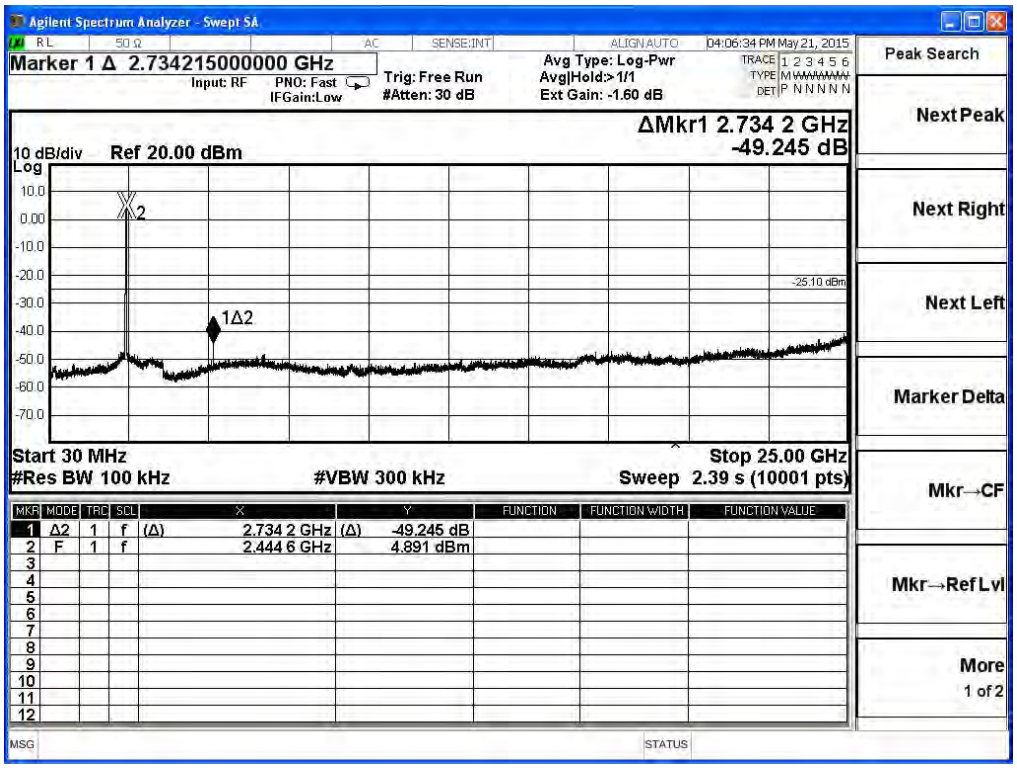
2462MHz (30MHz-25GHz) -802.11g (ANT 0)



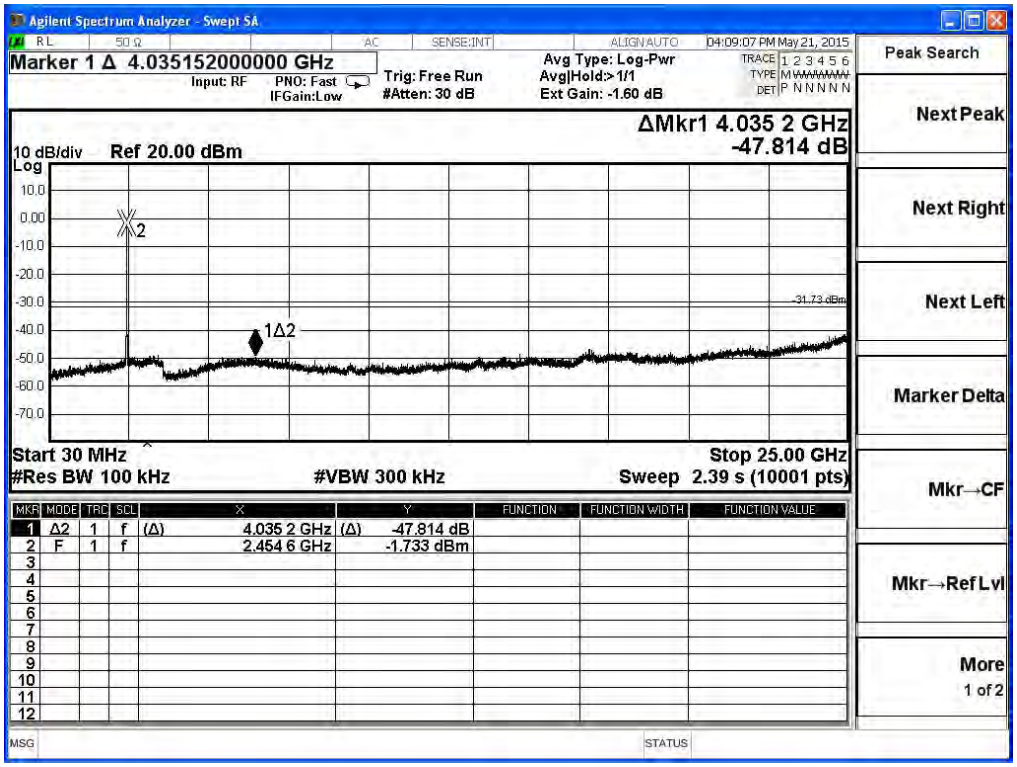
2412MHz (30MHz-25GHz)- 802.11n(20MHz)(ANT 0)



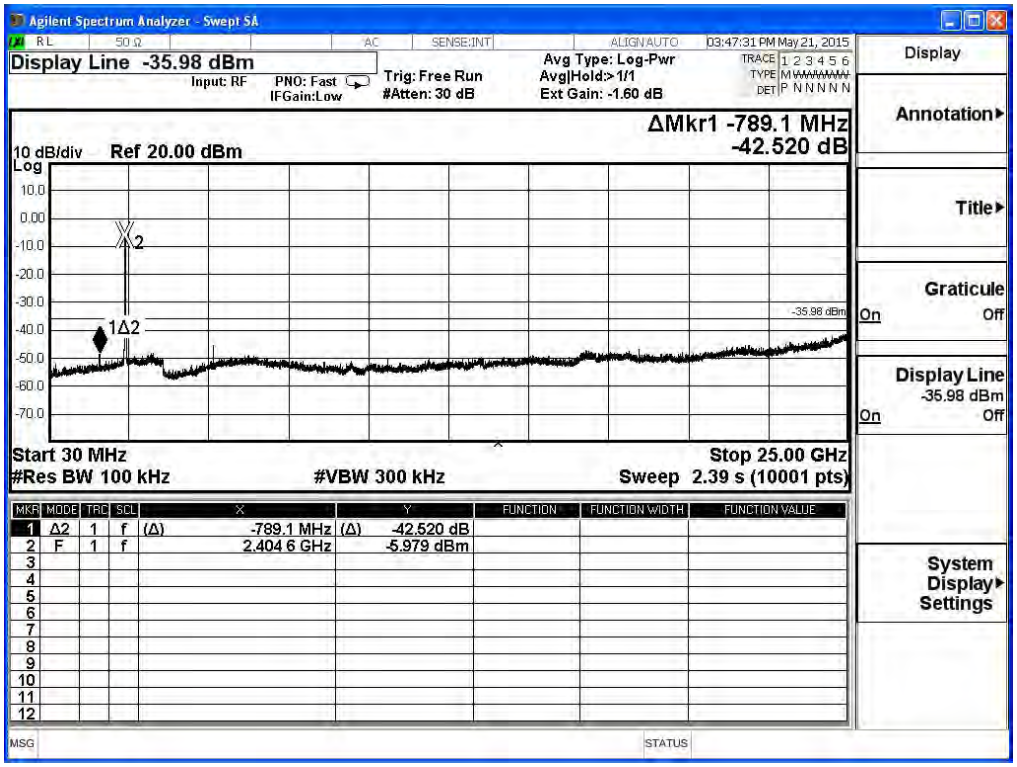
2437MHz (30MHz-25GHz)- 802.11n(20MHz)(ANT 0)



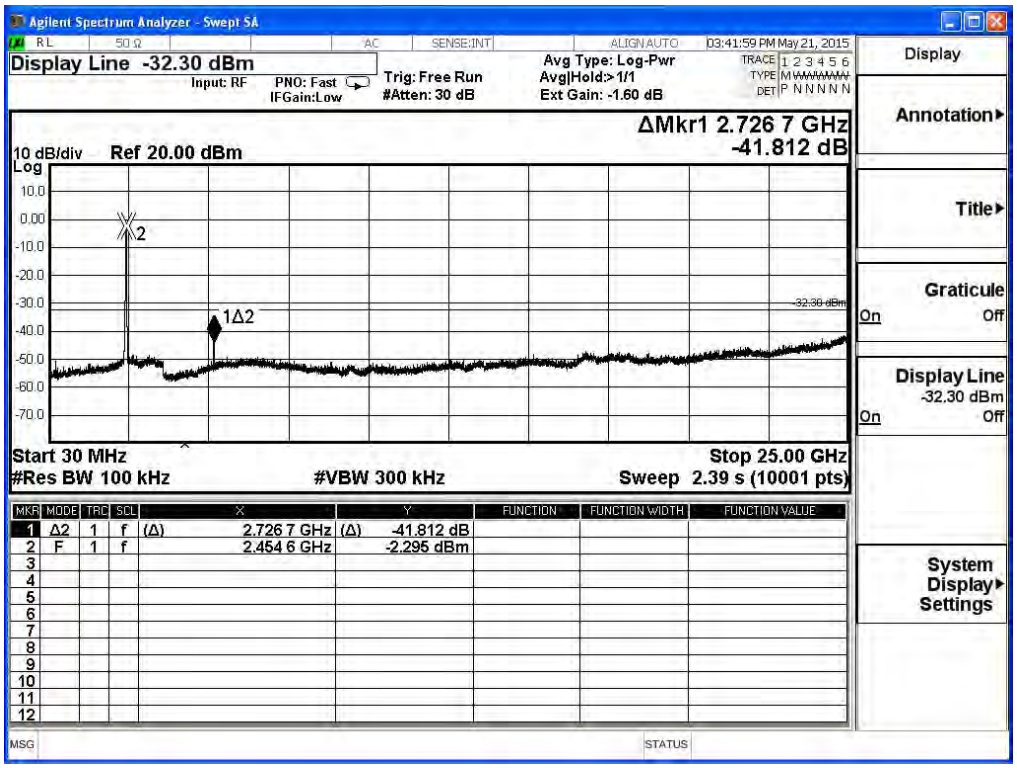
2462MHz (30MHz-25GHz) -802.11n(20MHz)(ANT 0)



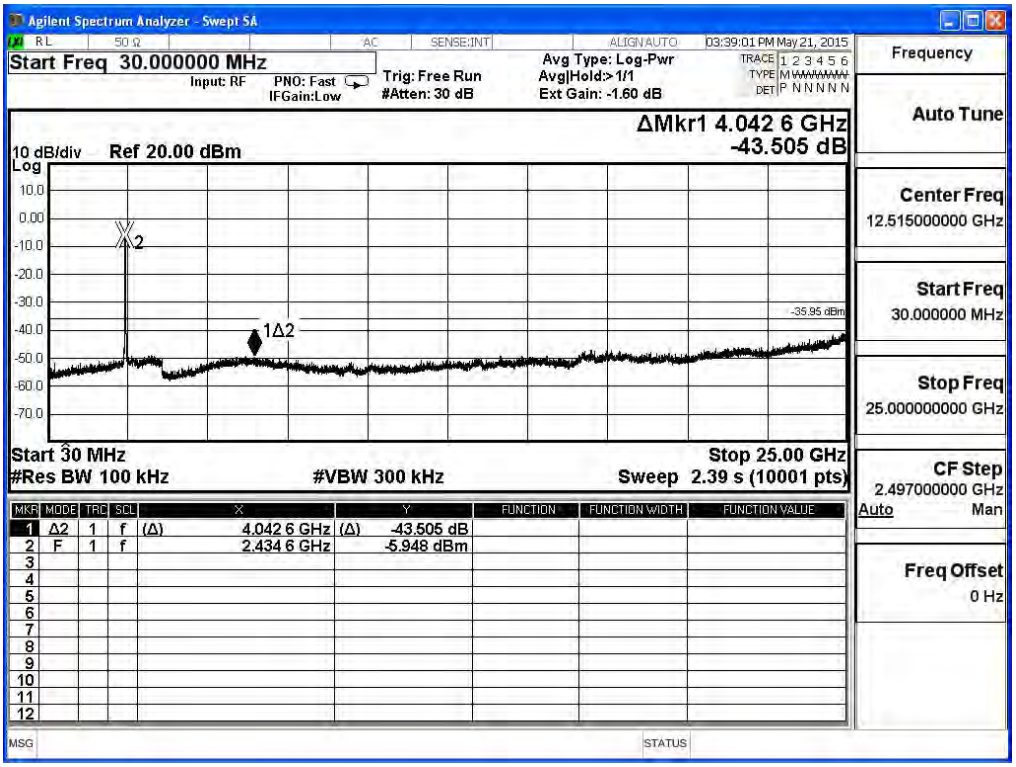
2422MHz (30MHz-25GHz)- 802.11n(40MHz)-(ANT 0)



2437MHz (30MHz-25GHz)- 802.11n(40MHz)- (ANT 0)



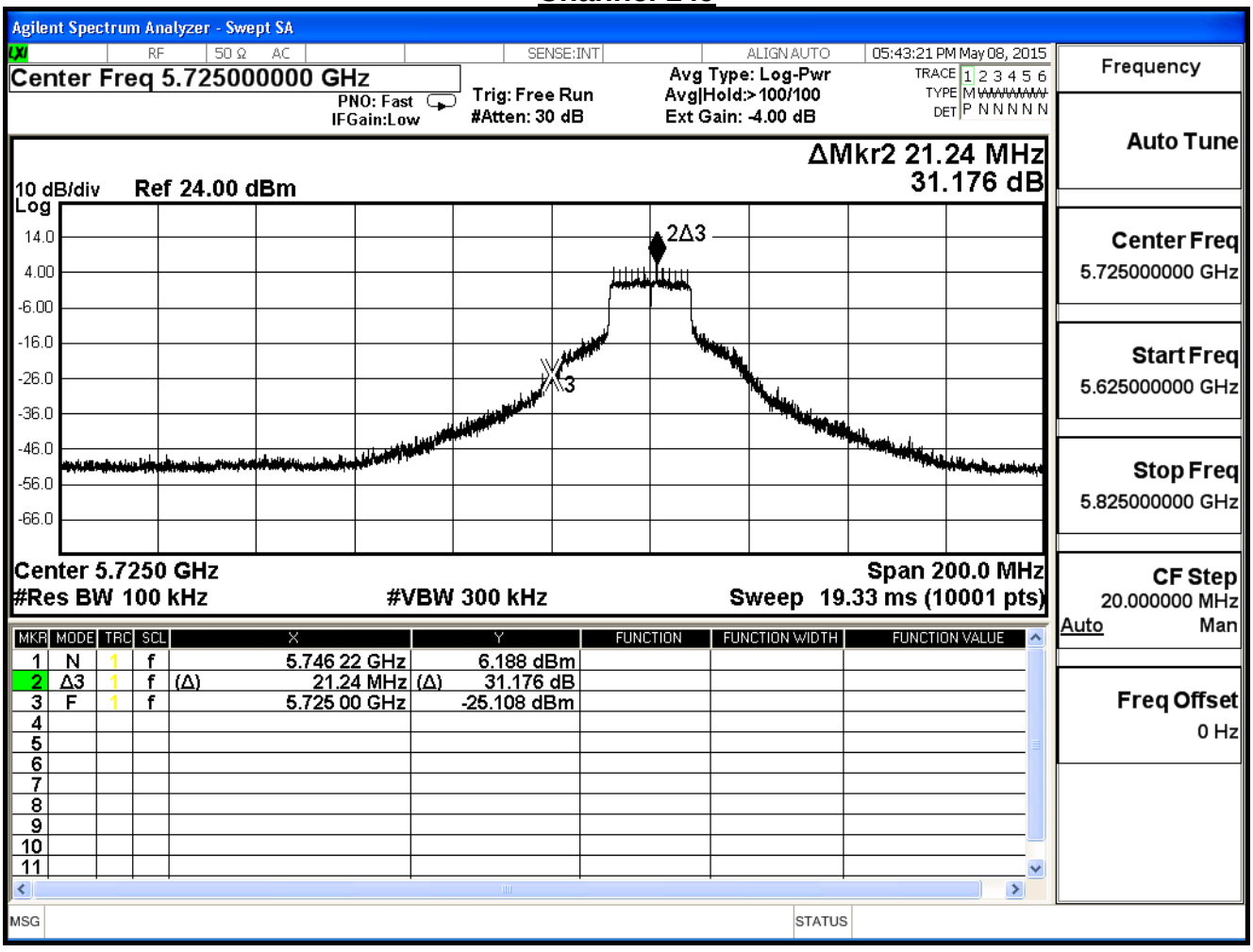
2452MHz (30MHz-25GHz) -802.11n(40MHz) (ANT 0)



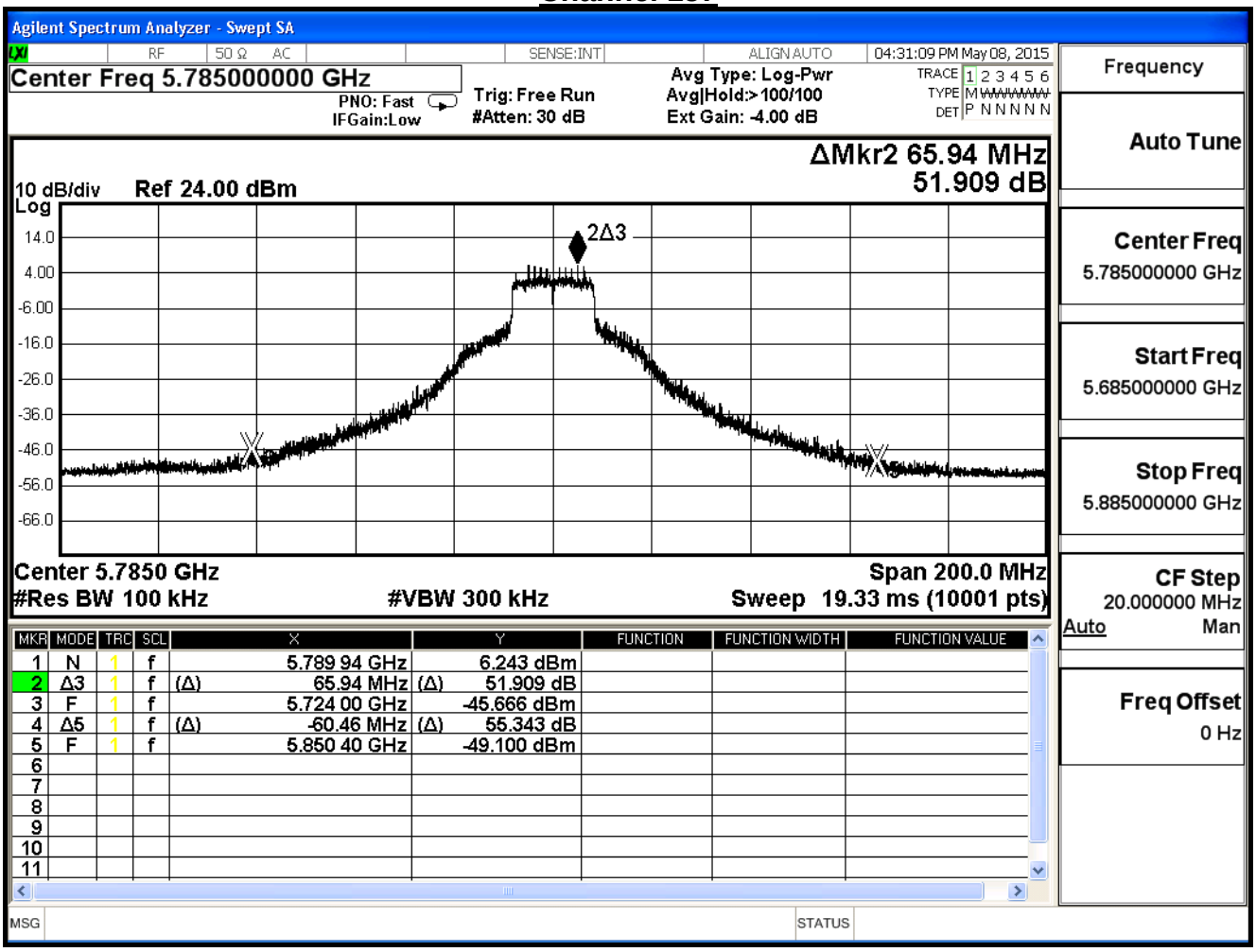
Product	Dual-band Wireless-AC750 Range Extender		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/20	Test Site	SR7

IEEE 802.11a (ANT 0), Antenna Gain: 3dBi				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
149	5745	31.176	≧30	Pass
157	5785	45.666	≧30	Pass
165	5825	31.692	≧30	Pass

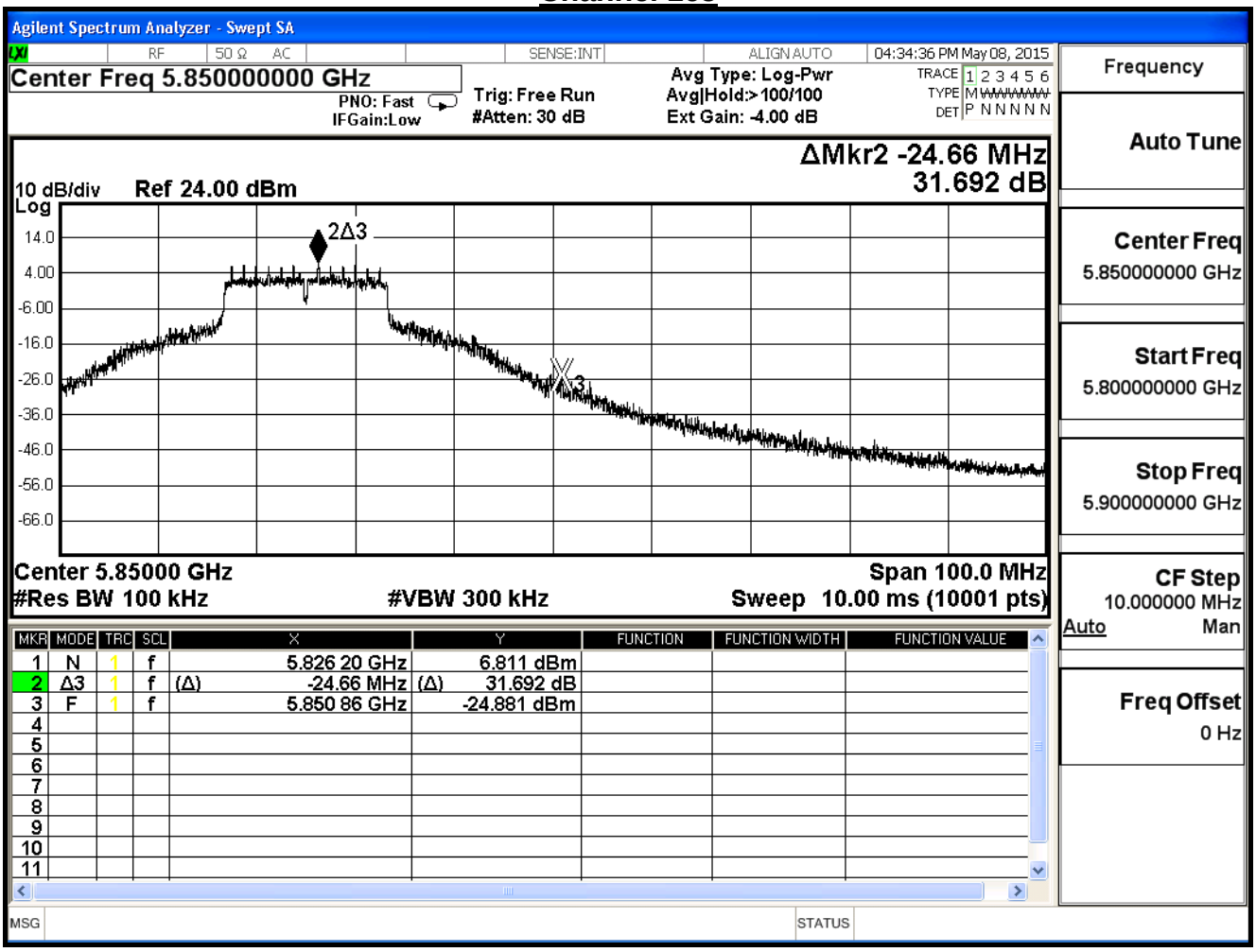
Channel 149



Channel 157


Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
04:31:09 PM May 08, 2015
Center Freq 5.785000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -4.00 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
ΔMkr2 65.94 MHz
51.909 dB
10 dB/div
Log
Ref 24.00 dBm
14.0
4.00
-6.00
-16.0
-26.0
-36.0
-46.0
-56.0
-66.0
2Δ3
Center 5.7850 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 200.0 MHz
Sweep 19.33 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 5.789 94 GHz 6.243 dBm
2 Δ3 1 f (Δ) 65.94 MHz (Δ) 51.909 dB
3 F 1 f 5.724 00 GHz -45.666 dBm
4 Δ5 1 f (Δ) -60.46 MHz (Δ) 55.343 dB
5 F 1 f 5.850 40 GHz -49.100 dBm
6
7
8
9
10
11
MSG
STATUS
Frequency
Auto Tune
Center Freq
5.785000000 GHz
Start Freq
5.685000000 GHz
Stop Freq
5.885000000 GHz
CF Step
20.000000 MHz
Auto
Man
Freq Offset
0 Hz

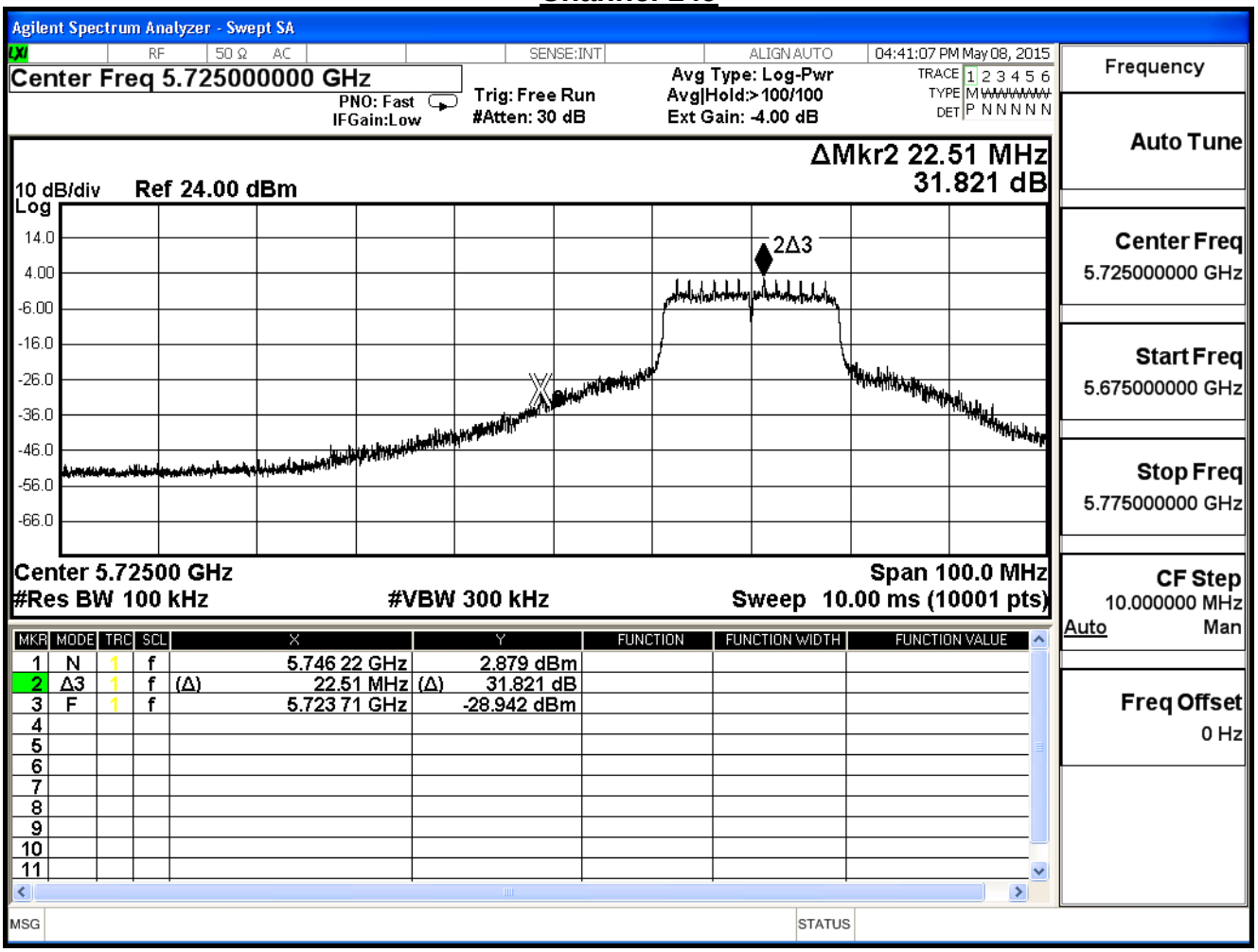
Channel 165


Agilent Spectrum Analyzer - Swept SA
RF
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:34:36 PM May 08, 2015
Center Freq 5.850000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -4.00 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
ΔMkr2 -24.66 MHz
31.692 dB
10 dB/div
Log
Ref 24.00 dBm
14.0
4.00
-6.00
-16.0
-26.0
-36.0
-46.0
-56.0
-66.0
2Δ3
Center 5.85000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.00 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 5.826 20 GHz 6.811 dBm
2 Δ3 1 f (Δ) -24.66 MHz (Δ) 31.692 dB
3 F 1 f 5.850 86 GHz -24.881 dBm
4
5
6
7
8
9
10
11
Frequency
Auto Tune
Center Freq
5.850000000 GHz
Start Freq
5.800000000 GHz
Stop Freq
5.900000000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

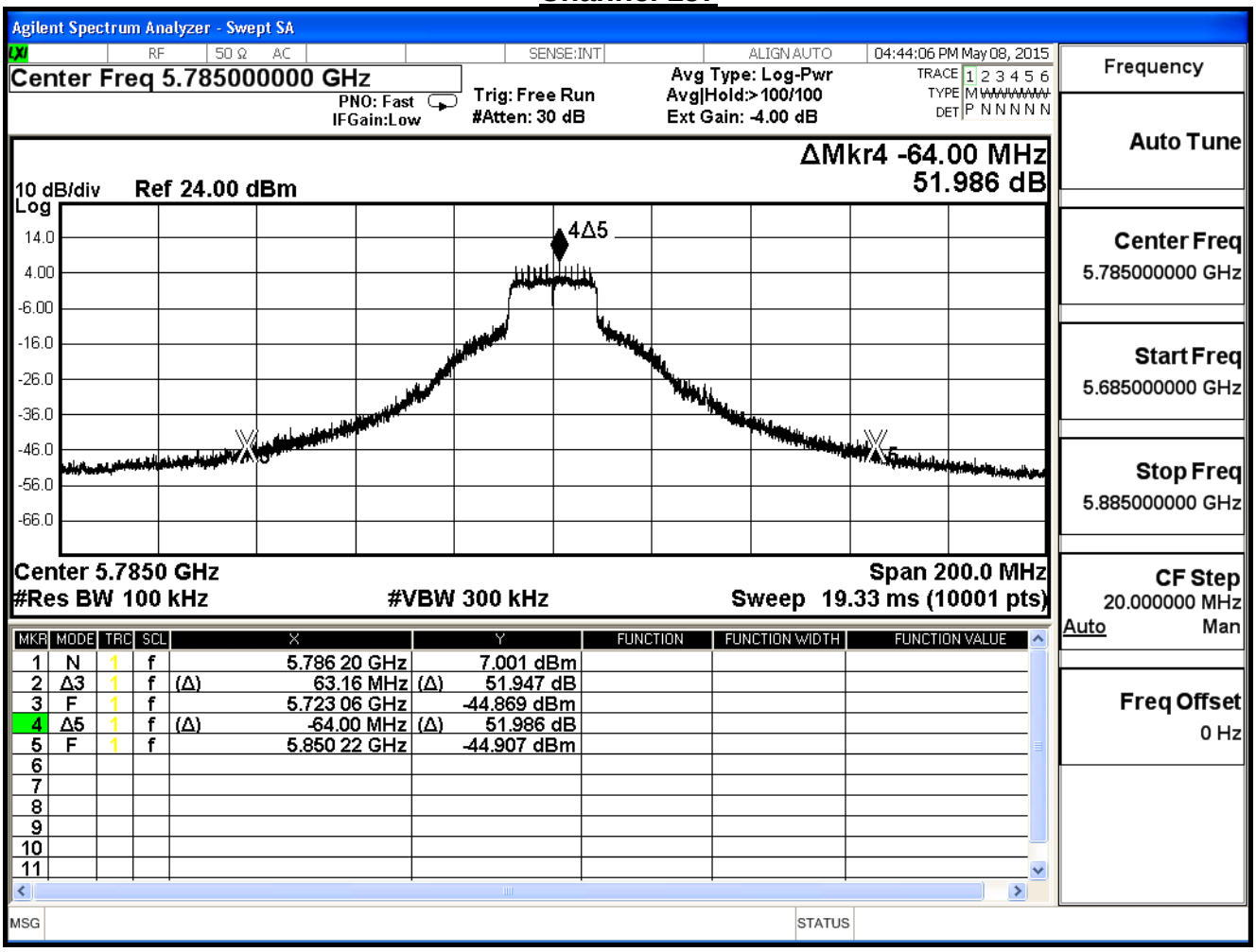
Product	Dual-band Wireless-AC750 Range Extender		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/20	Test Site	SR7

IEEE 802.11n (20MHz), (ANT 0) Antenna Gain: 3dBi				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
149	5745	31.821	≧30	Pass
157	5785	51.947	≧30	Pass
165	5825	33.723	≧30	Pass

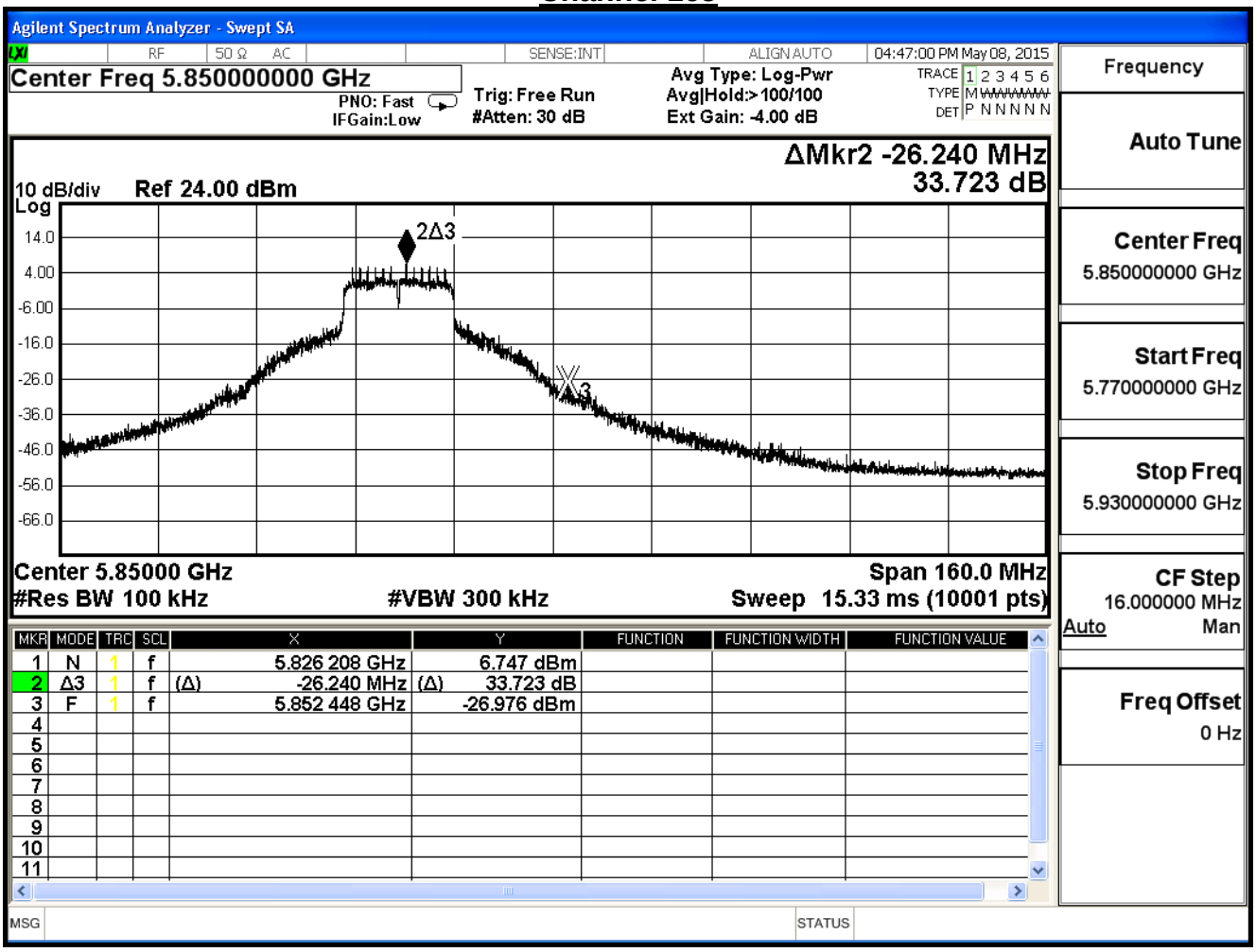
Channel 149



Channel 157


Agilent Spectrum Analyzer - Swept SA
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
04:44:06 PM May 08, 2015
Center Freq 5.785000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -4.00 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
ΔMkr4 -64.00 MHz
51.986 dB
10 dB/div
Log
Ref 24.00 dBm
14.0
4.00
-6.00
-16.0
-26.0
-36.0
-46.0
-56.0
-66.0
4Δ5
Center 5.7850 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 200.0 MHz
Sweep 19.33 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 5.786 20 GHz 7.001 dBm
2 Δ3 1 f (Δ) 63.16 MHz (Δ) 51.947 dB
3 F 1 f 5.723 06 GHz -44.869 dBm
4 Δ5 1 f (Δ) -64.00 MHz (Δ) 51.986 dB
5 F 1 f 5.850 22 GHz -44.907 dBm
6
7
8
9
10
11
MSG
STATUS
Frequency
Auto Tune
Center Freq
5.785000000 GHz
Start Freq
5.685000000 GHz
Stop Freq
5.885000000 GHz
CF Step
20.000000 MHz
Auto
Man
Freq Offset
0 Hz

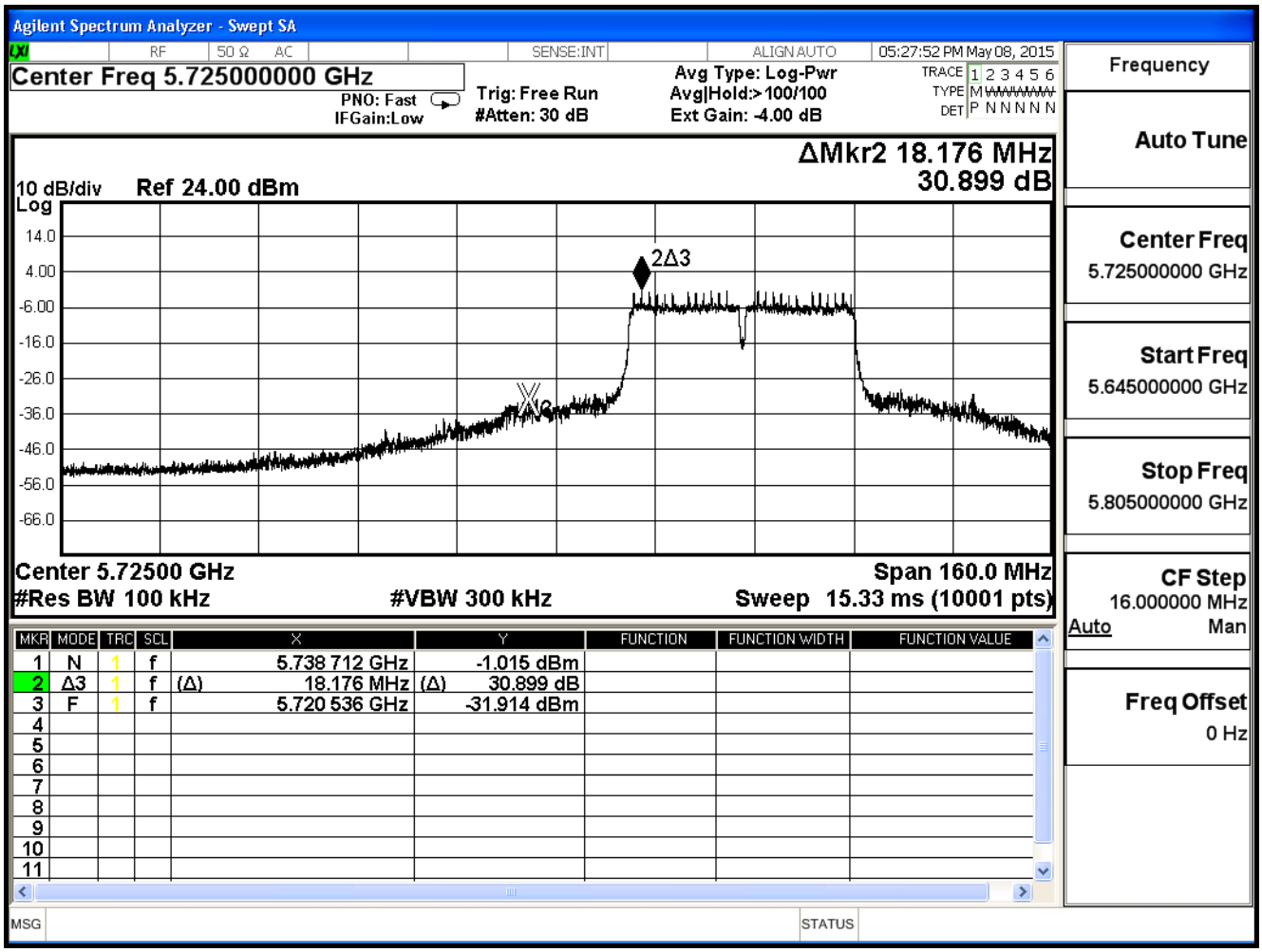
Channel 165


Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
04:47:00 PM May 08, 2015
Center Freq 5.850000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -4.00 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
ΔMkr2 -26.240 MHz
33.723 dB
10 dB/div
Log
Ref 24.00 dBm
14.0
4.00
-6.00
-16.0
-26.0
-36.0
-46.0
-56.0
-66.0
2Δ3
3
Center 5.85000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 160.0 MHz
Sweep 15.33 ms (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 5.826 208 GHz 6.747 dBm
2 Δ3 1 f (Δ) -26.240 MHz (Δ) 33.723 dB
3 F 1 f 5.852 448 GHz -26.976 dBm
4
5
6
7
8
9
10
11
Frequency
Auto Tune
Center Freq
5.850000000 GHz
Start Freq
5.770000000 GHz
Stop Freq
5.930000000 GHz
CF Step
16.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

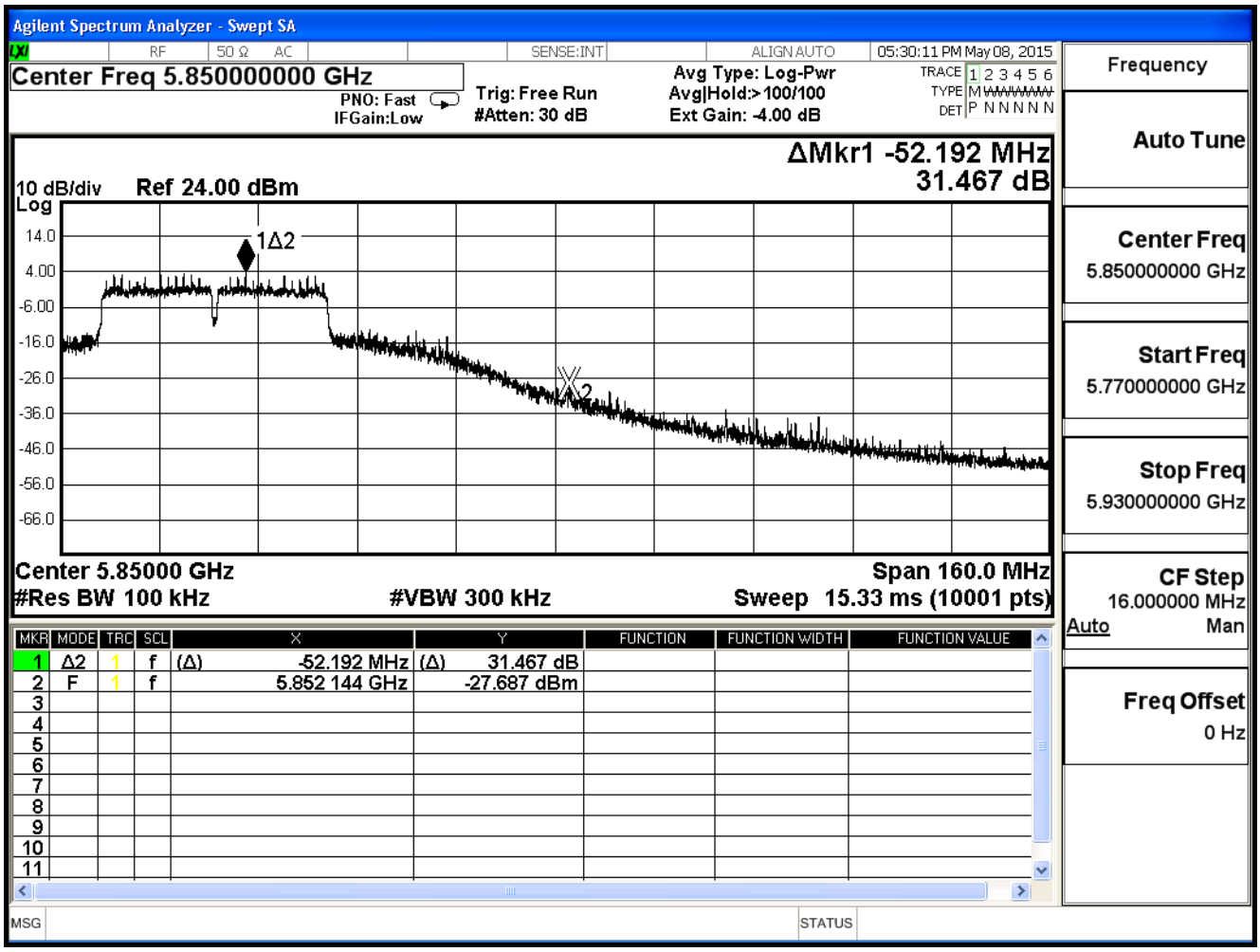
Product	Dual-band Wireless-AC750 Range Extender		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/20	Test Site	SR7

IEEE 802.11n (40MHz), (ANT 0) Antenna Gain: 3dBi				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
151	5755	30.899	≧30	Pass
159	5795	31.467	≧30	Pass

Channel 151 (5755MHz)



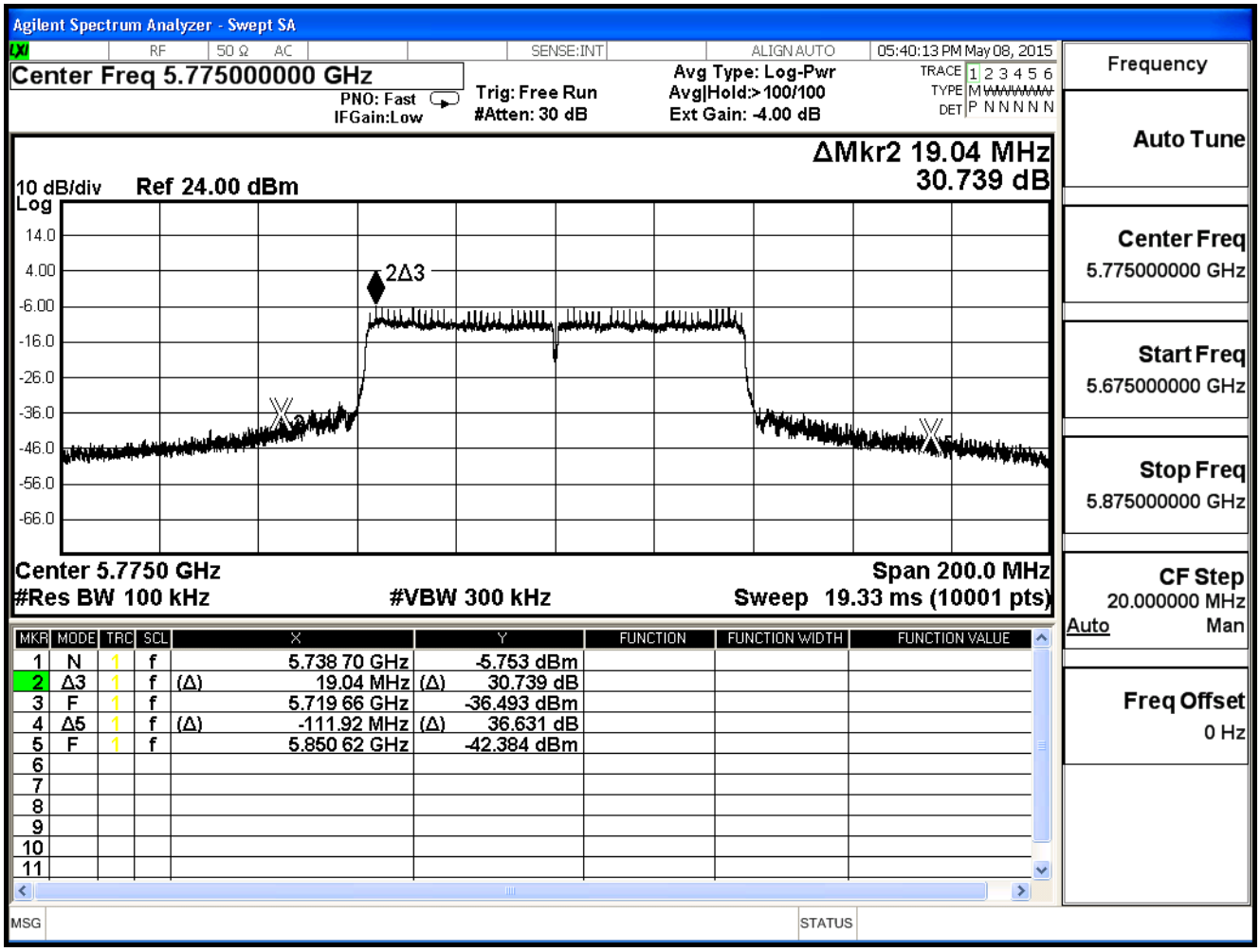
Channel 159 (5795MHz)



Product	Dual-band Wireless-AC750 Range Extender		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/20	Test Site	SR7

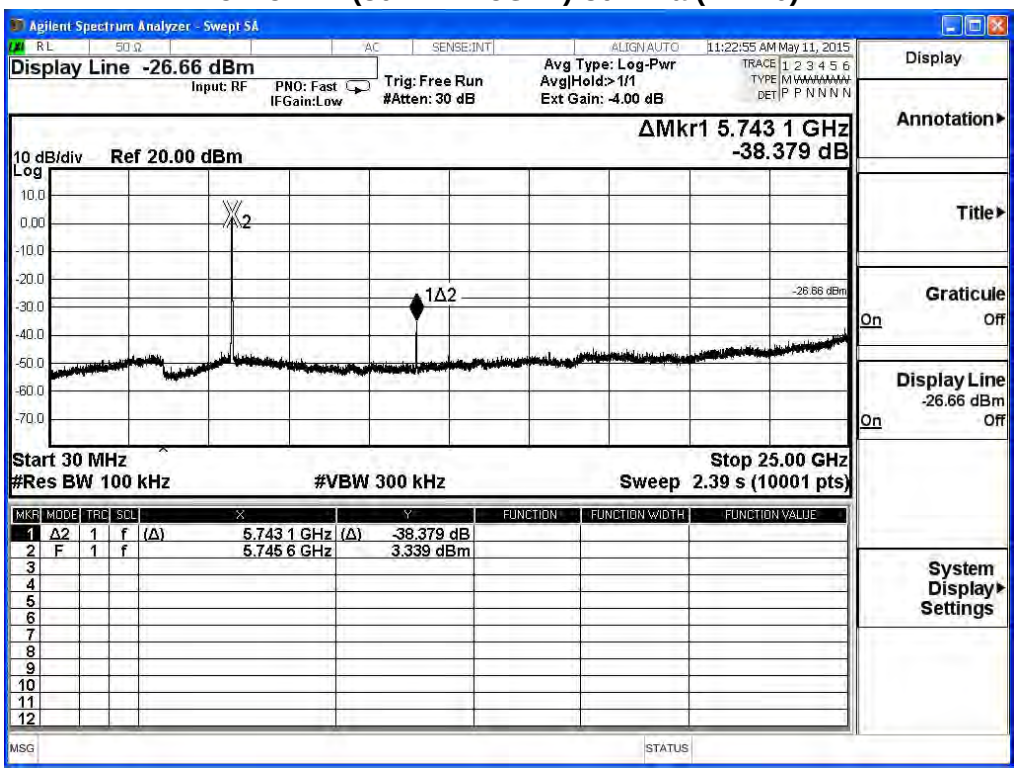
IEEE 802.11ac (80MHz), (ANT 0) Antenna Gain: 3dBi				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
155	5775	30.739	≧30	Pass

Channel 155 (5775MHz)

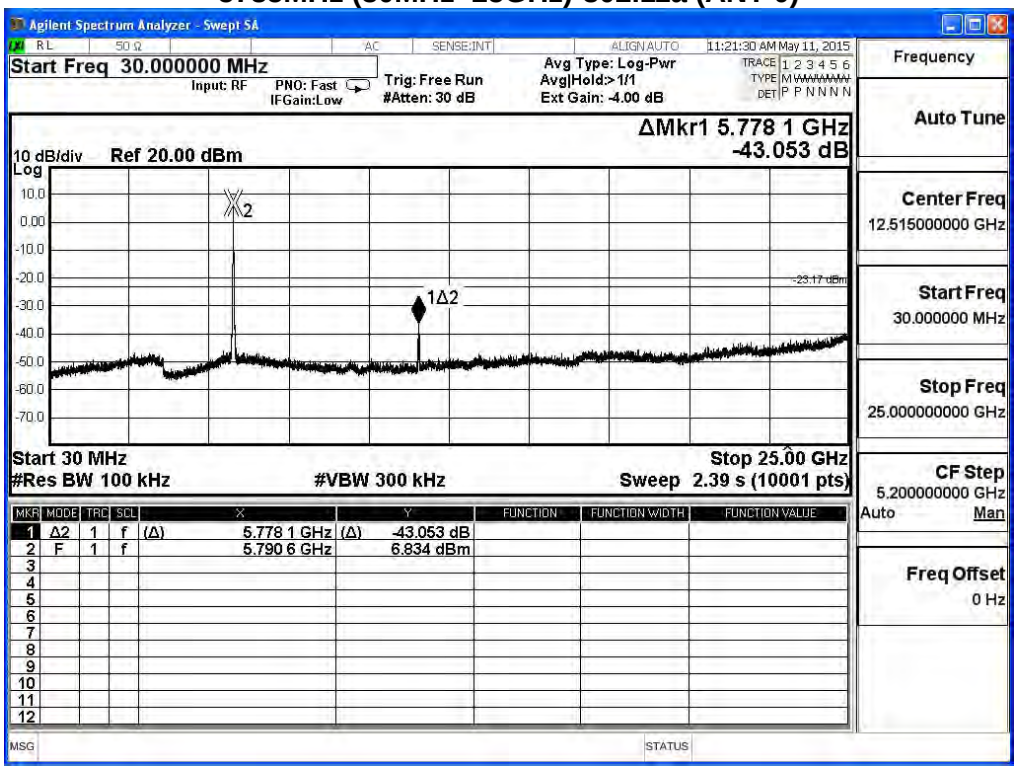


Product	Dual-band Wireless-AC750 Range Extender		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/20	Test Site	SR7

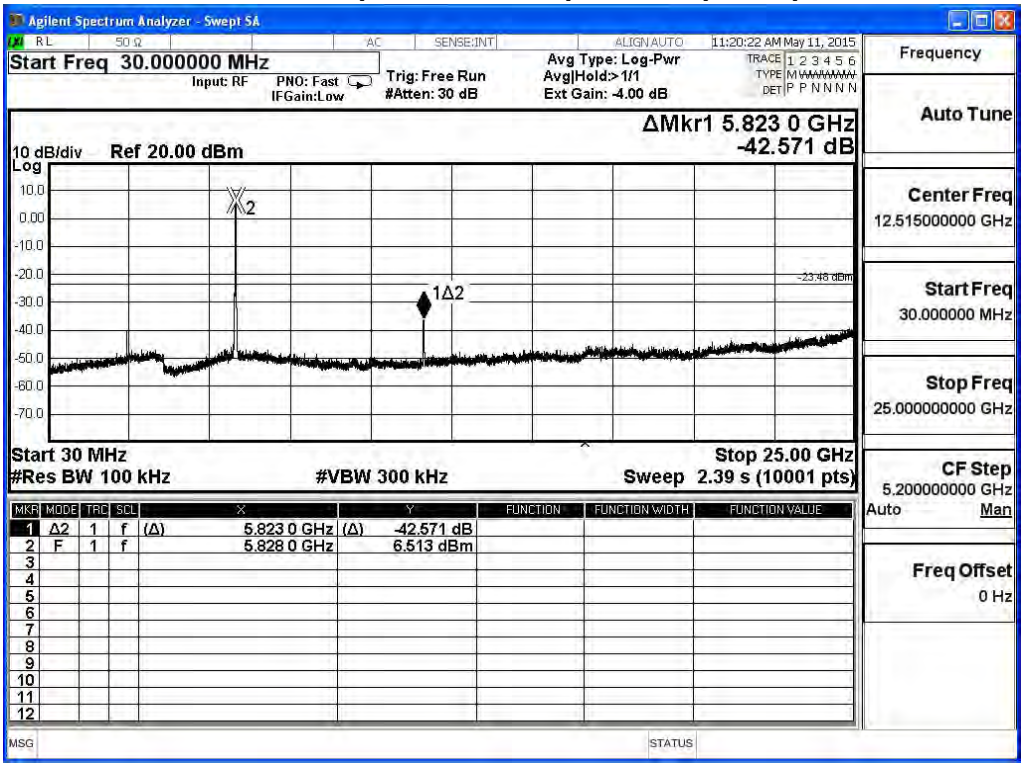
5745MHz (30MHz~25GHz)-802.11a (ANT 0)



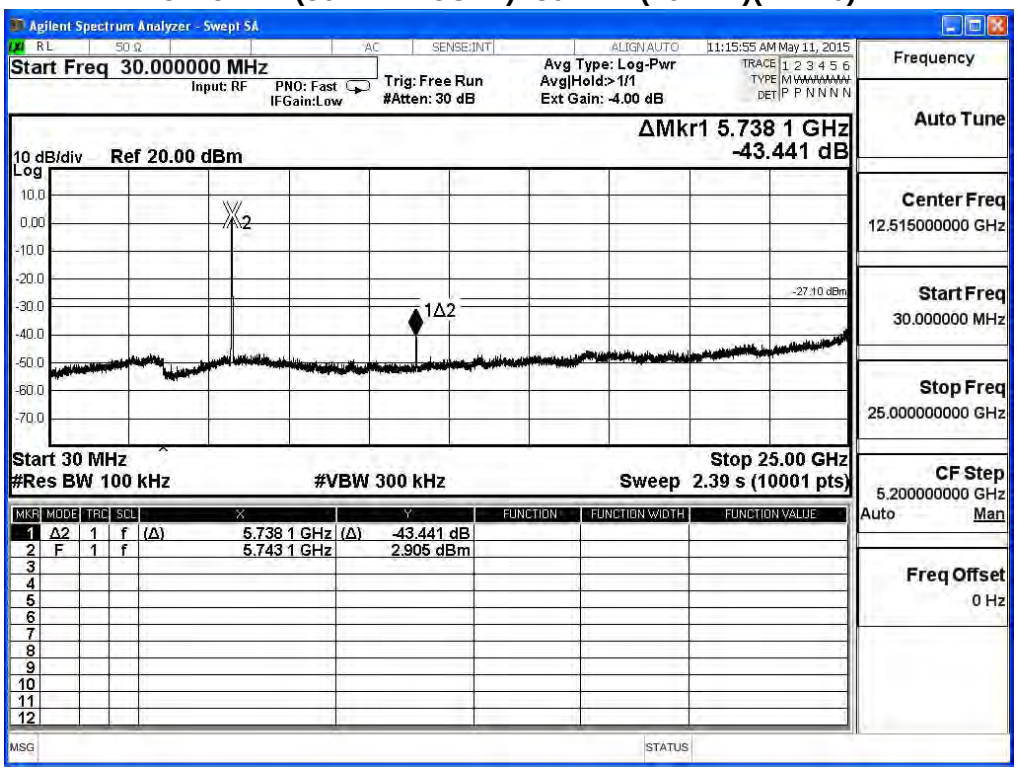
5785MHz (30MHz~25GHz)-802.11a (ANT 0)



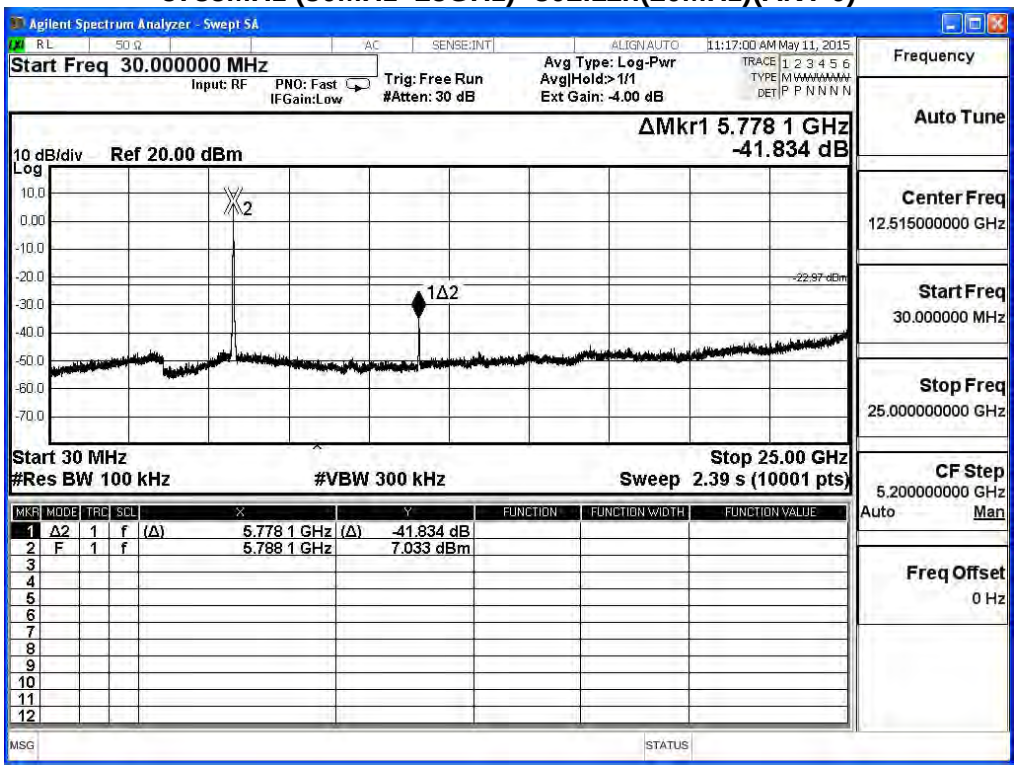
5825MHz (30MHz~25GHz)-802.11a (ANT 0)



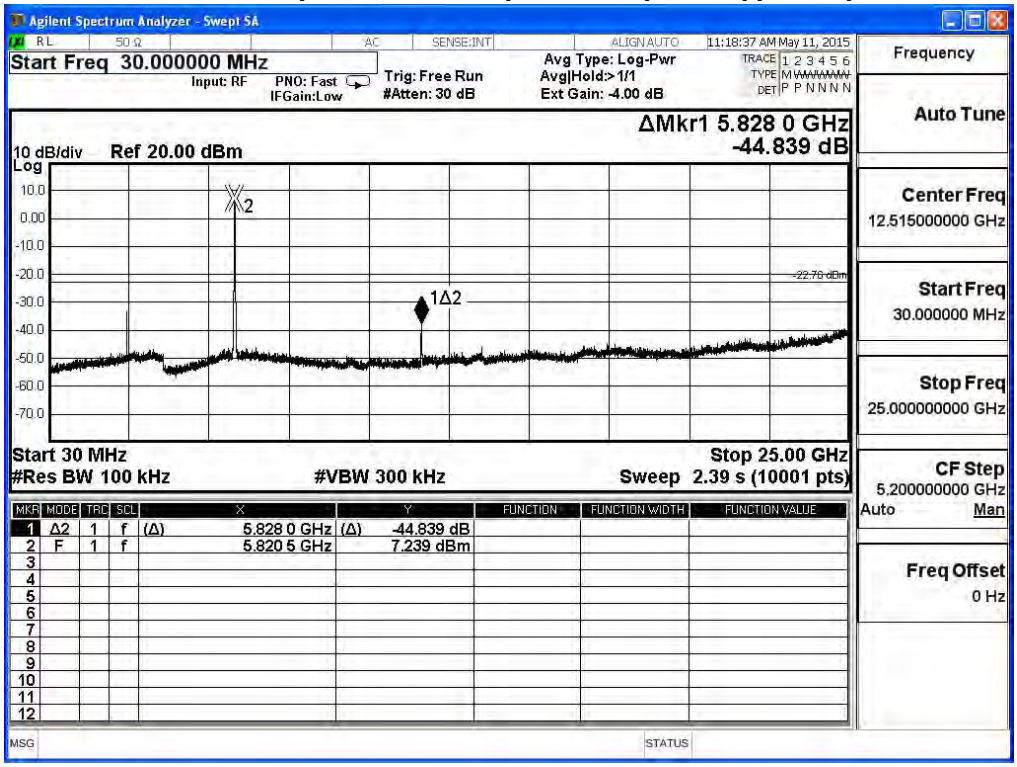
5745MHz (30MHz~25GHz)- 802.11n(20MHz)(ANT 0)



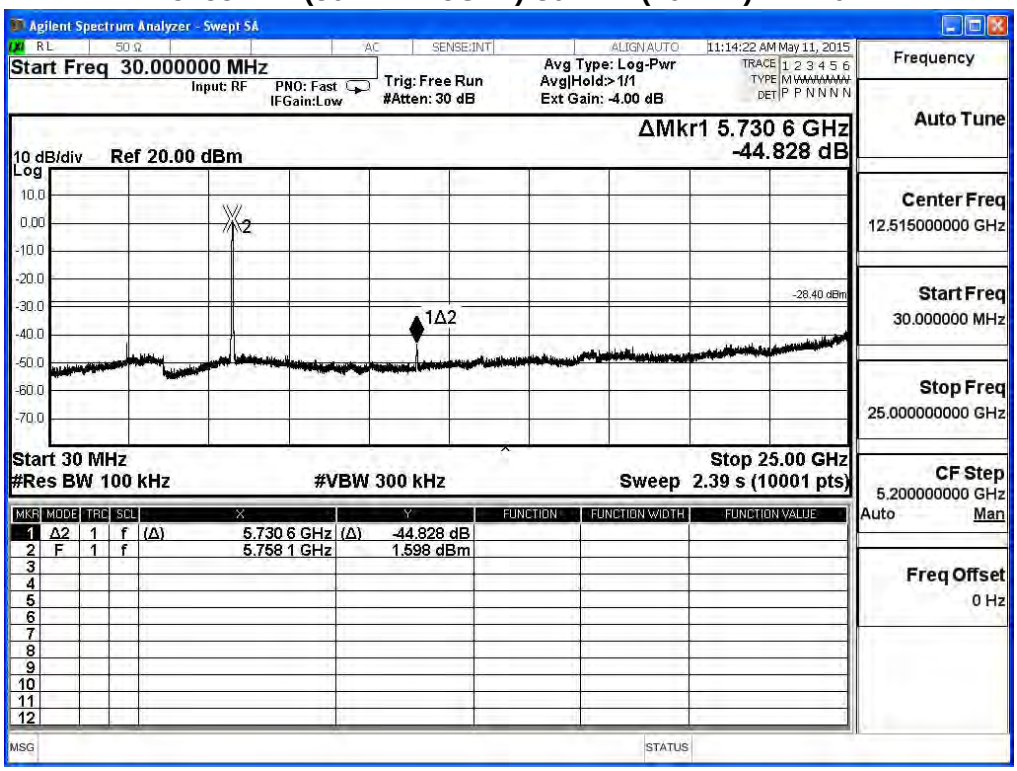
5785MHz (30MHz~25GHz)- 802.11n(20MHz)(ANT 0)



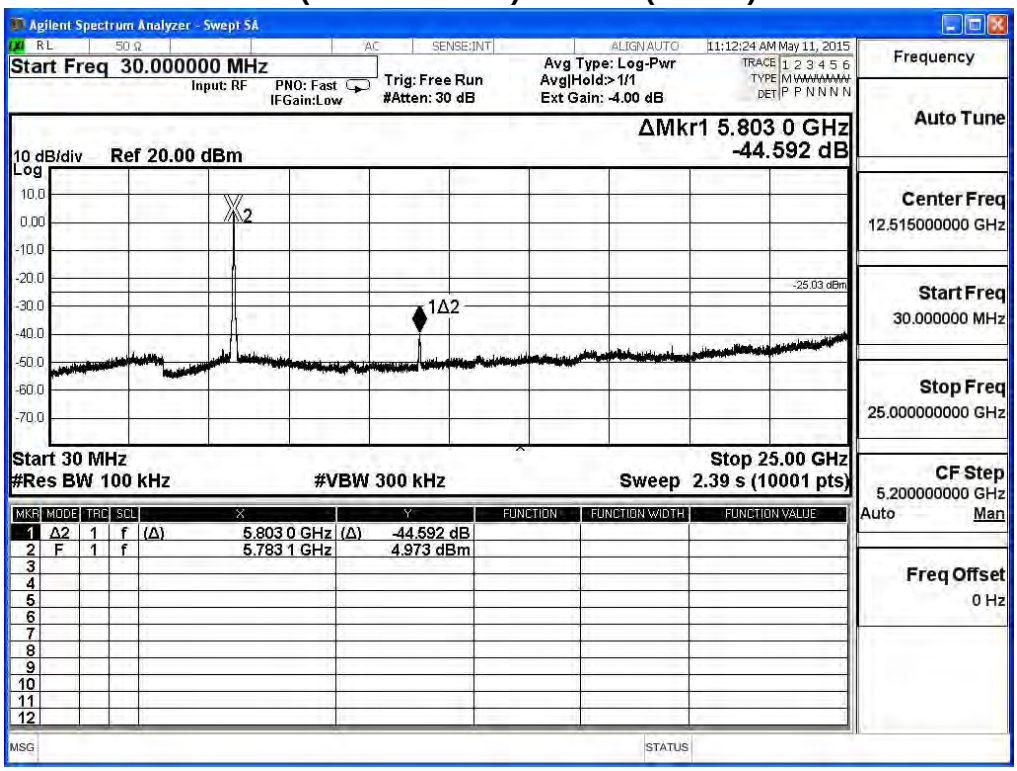
5825MHz (30MHz~25GHz)- 802.11n(20MHz)(ANT 0)



5755MHz (30MHz~25GHz)-802.11n(40MHz)-ANT 0



5795MHz (30MHz~25GHz) -802.11n(40MHz)-ANT 0



5775MHz (30MHz~25GHz)-802.11ac(80MHz)-ANT 0