FCC Test Report

Product Name ： Dual-band Wireless-AC1300 USB Adapter

Model No. ： USB-AC55 , USB-AC55R

FCC ID. ： MSQ-USBAC55

Applicant ： ASUSTeK COMPUTER INC.

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

Date of Receipt ： 2014/06/15

Issued Date ： 2014/10/22

Report No. ： 1470347R-RFUSP27V00

Report Version ： V1.0

TAF Testing Laboratory 3024

Test Report Certification

Issued Date : 2014/10/22
Report No. : 1470347R-RFUSP27V00

QuieTek

Product Name	:	Dual-band Wireless-AC1300 USB Adapter
Applicant	:	ASUSTeK COMPUTER INC.
Address	:	4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan
Manufacturer	:	ASUSTeK COMPUTER INC.
Model No.	:	USB-AC55 , USB-AC55R
FCC ID.	:	MSQ-USBAC55
EUT Voltage	:	DC 5V (Power by Notebook PC)
Trade Name	:	ASUS
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart C Section 15.247: 2013 ANSI C63.10
Test Result	:	Complied

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

Documented By : Fonbo Fang
(Fonbo Fang / Engineering Adm. Assistant)

Reviewed By : Ken Huang
(Ken Huang / Assistant Engineer)

Approved By : Roy Wang
(Roy Wang / Director)

Laboratory Information

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

Taiwan R.O.C.	**:**	**TAF, Accreditation Number: 3204**
USA	**:**	**FCC, Registration Number: 365520**
Canada	**:**	**IC, Submission No: 150981**

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

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TEL:+886-3-592-8858 / FAX:+886-3-592-8859 E-Mail : service@quietek.com

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

1.1. EUT Description

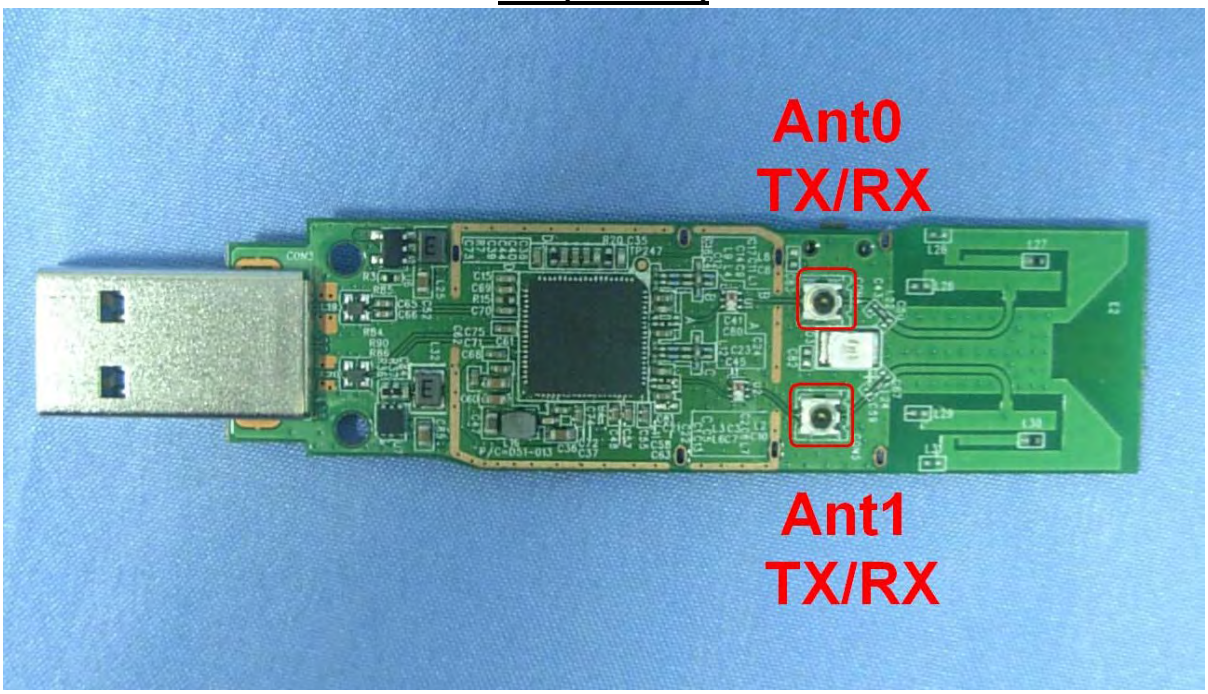
Product Name	Dual-band Wireless-AC1300 USB Adapter	
Product Type	WLAN (2TX, 2RX)	
Trade Name	ASUS	
Model No.	USB-AC55 , USB-AC55R	
Frequency Range/ Channel Number	IEEE 802.11b/g/ IEEE 802.11n (20MHz)	2412~2462MHz / 11 Channels
	IEEE 802.11n (40MHz)	2422~2452MHz / 7 Channels
Type of Modulation	IEEE 802.11b	Direct Sequence Spread Spectrum
	IEEE 802.11g/n	Orthogonal Frequency Division Multiplexing
Data Speed	IEEE 802.11b	1, 2, 5.5, 11Mbps
	IEEE 802.11g	6, 9, 18, 24, 36, 48,54Mbps
	IEEE 802.11n	Support a subset of the combination of GI, MCS 0~MCS 15 and bandwidth defined in 802.11n
Antenna Gain	2.06dBi	
Antenna Type	PCB antenna	

Component	
USB Cable	Shielded, 1m

ANT-TX / RX & Bandwidth

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

2.4G(2TX /2RX)



IEEE 802.11n

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

Table 1 – MCS parameters for TX Antenna number = 1

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

Table 2 – MCS parameters for TX Antenna number = 2

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

IEEE 802.11b/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		

Note:

1. This device is a Dual-band Wireless-AC1300 USB Adapter including 2.4GHz b/g/n(2x2) and 5G Band1,4 a/n/ac (2x2) transmitting and receiving function..
2. These test results on a sample of the device are for the purpose of demonstrating Compliance with Part 15 Subpart 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 5GHz transmitting is measured and makes a test report of the report number: 1470347R-RFUSP58V00.
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 1470347R-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 (CDD Mode) Mode 2: Transmit (MIMO Mode)

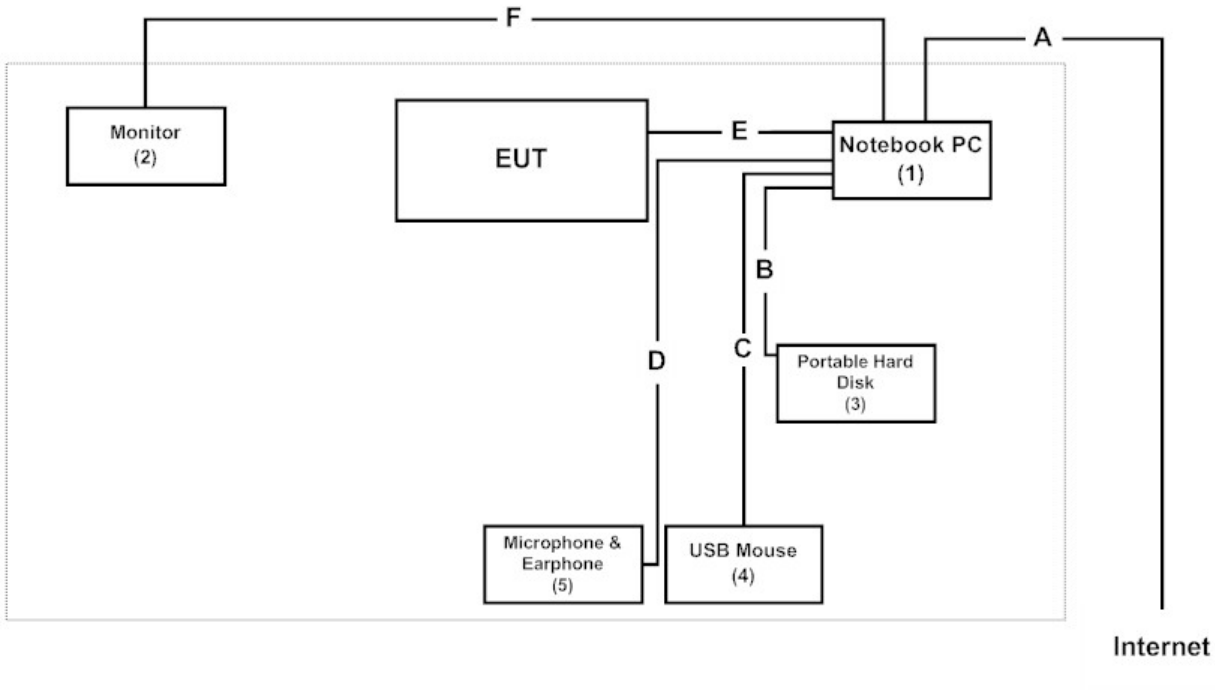
Test Items	Mode	Modulation	Channel	Antenna	Result
Conducted Emission	2	11n(40MHz)	6	0+1	Complies
Peak Power Output	1	11b/g	1/ 6/ 11	0+1	Complies
	2	11n(20MHz)	1/ 6/ 11	0+1	Complies
	2	11n(40MHz)	3/ 6/ 9	0+1	Complies
Radiated Emission	1	11b/g	1/ 6/ 11	0+1	Complies
	2	11n(20MHz)	1/ 6/ 11	0+1	Complies
	2	11n(40MHz)	3/ 6/ 9	0+1	Complies
RF antenna conducted test	1	11b/g	1/ 6/ 11	0/1	Complies
	2	11n(20MHz)	1/ 6/ 11	0/1	Complies
	2	11n(40MHz)	3/ 6/ 9	0/1	Complies
Radiated Emission Band Edge	1	11b/g	1/ 6/ 11	0+1	Complies
	2	11n(20MHz)	1/ 6/ 11	0+1	Complies
	2	11n(40MHz)	3/ 6/ 9	0+1	Complies
DTS Occupied Bandwidth	1	11b/g	1/ 6/ 11	0/1	Complies
	2	11n(20MHz)	1/ 6/ 11	0/1	Complies
	2	11n(40MHz)	3/ 6/ 9	0/1	Complies
Occupied Bandwidth	1	11b/g	1/ 6/ 11	0/1	Complies
	2	11n(20MHz)	1/ 6/ 11	0/1	Complies
	2	11n(40MHz)	3/ 6/ 9	0/1	Complies
Power Density	1	11b/g	1/ 6/ 11	0+1	Complies
	2	11n(20MHz)	1/ 6/ 11	0+1	Complies
	2	11n(40MHz)	3/ 6/ 9	0+1	Complies

1.3. Tested System Details

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

Product		Manufacturer	Model No.	Serial No.	FCC ID	Power Cord
1	Notebook PC	ASUS	K45VD	K45VD-0343G3110M	DoC	Non-Shielded, 1.8m
2	Monitor	DELL	U2410f	082WXD-72872-16R-0V8L	DoC	Non-Shielded, 1.8m
3	Portable Hard Disk	WD	My Passport	WXE1AB0M5632	DoC	--
4	USB Mouse	Logitech	M-UV83	35006065	DoC	--
5	Microphone & Earphone	Fujiei	SBZ-38	N/A	DoC	--

1.4. Configuration of tested System

Connection Diagram


Signal Cable Type		Signal cable Description
A	LAN Cable	Non-Shielded, 3m
B	USB Cable	Shielded, 0.5m
C	USB Mouse Cable	Shielded, 1.8m
D	Microphone & Earphone Cable	Non-Shielded, 1.2m
E	USB Cable	Shielded, 1m
F	VGA Cable	Shielded, 1.8m, two ferrite cores bonded.

1.5. EUT Exercise Software

1	Setup the EUT as shown in Section 1.4.
2	Execute the test program “MT7620 V1.0.6.0 AP QA” for 2.4G function on the Notebook.
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	20
Humidity (%RH)		25 - 75	50
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	20
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 DTS 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 Occupied Bandwidth	15 - 35	25
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Power Density	15 - 35	25
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000

2. Conducted Emission

2.1. Test Equipment

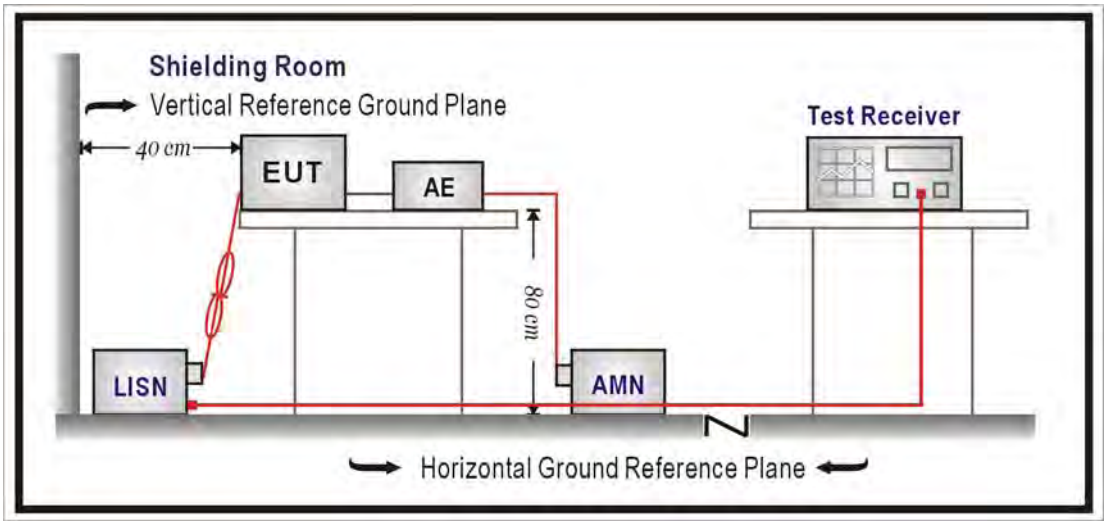
The following test equipments are used during the test:

Conducted Emission / SR2

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

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

2.2. Test Setup



2.3. Limits

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

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

2.4. Test Procedure

The EUT was setup according to ANSI C63.10 and tested according to DTS test procedure of KDB558074 for compliance to FCC 47CFR 15.247 requirements.
The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs.)
Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

2.5. Test Specification

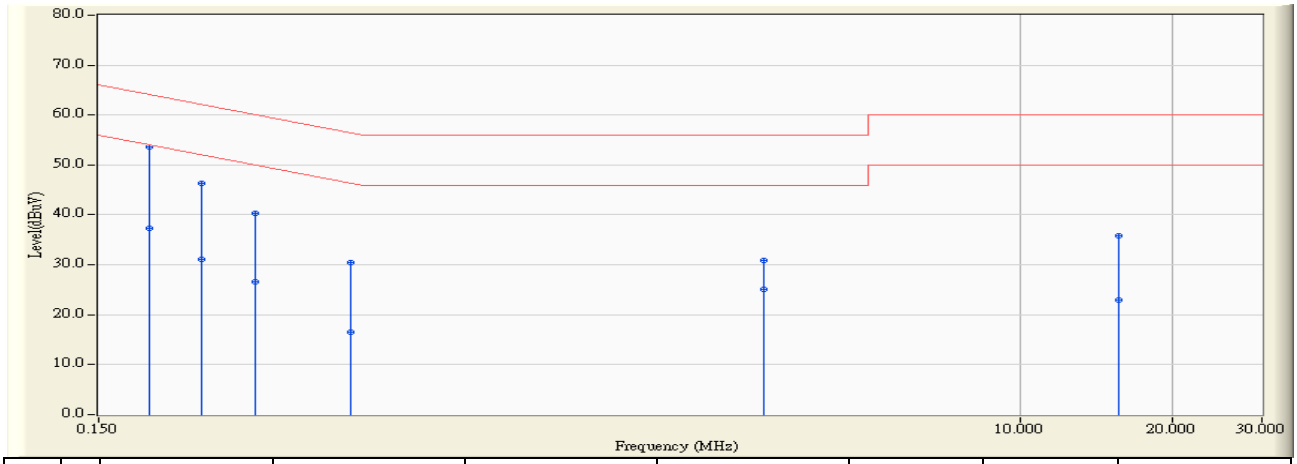
According to FCC Part 15 Subpart C Paragraph 15.207: 2013

2.6. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

2.7. Test Result

Site : SR2	**Time : 2014/08/11 - 20:01**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-3_0822 - Line1	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 2: Transmit (MIMO Mode) 802.11n(40M)-2437MHz**

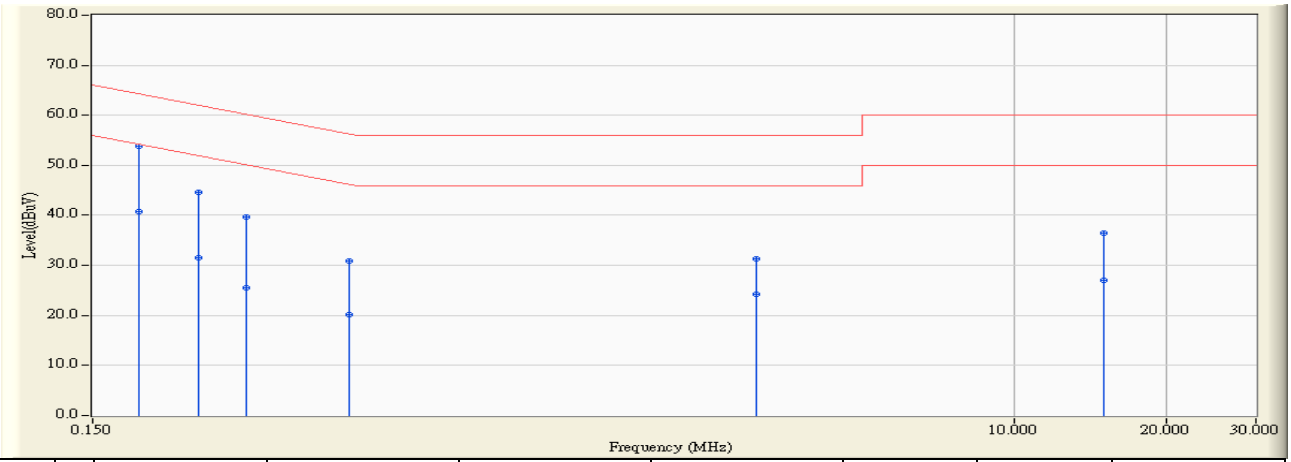


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.189	9.642	44.070	53.712	-10.366	64.078	QUASIPEAK
2		0.189	9.642	27.710	37.352	-16.726	54.078	AVERAGE
3		0.240	9.655	36.610	46.265	-15.836	62.102	QUASIPEAK
4		0.240	9.655	21.520	31.175	-20.926	52.102	AVERAGE
5		0.306	9.674	30.620	40.294	-19.777	60.072	QUASIPEAK
6		0.306	9.674	16.890	26.564	-23.507	50.072	AVERAGE
7		0.474	9.723	20.830	30.554	-25.886	56.440	QUASIPEAK
8		0.474	9.723	6.830	16.554	-29.886	46.440	AVERAGE
9		3.099	9.893	21.060	30.952	-25.048	56.000	QUASIPEAK
10		3.099	9.893	15.100	24.992	-21.008	46.000	AVERAGE
11		15.681	10.213	25.590	35.803	-24.197	60.000	QUASIPEAK
12		15.681	10.213	12.630	22.843	-27.157	50.000	AVERAGE

Note:

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

Site : SR2	**Time : 2014/08/11 - 20:06**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-3_0822 - Line2	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 2: Transmit (MIMO Mode) 802.11n(40M)-2437MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.185	9.630	44.250	53.880	-10.371	64.251	QUASIPEAK
2		0.185	9.630	31.030	40.660	-13.591	54.251	AVERAGE
3		0.244	9.645	34.950	44.594	-17.373	61.967	QUASIPEAK
4		0.244	9.645	21.920	31.564	-20.403	51.967	AVERAGE
5		0.302	9.658	29.970	39.628	-20.550	60.178	QUASIPEAK
6		0.302	9.658	15.850	25.508	-24.670	50.178	AVERAGE
7		0.482	9.706	21.180	30.886	-25.418	56.304	QUASIPEAK
8		0.482	9.706	10.410	20.116	-26.188	46.304	AVERAGE
9		3.072	9.877	21.340	31.216	-24.784	56.000	QUASIPEAK
10		3.072	9.877	14.310	24.186	-21.814	46.000	AVERAGE
11		14.974	10.289	26.260	36.549	-23.451	60.000	QUASIPEAK
12		14.974	10.289	16.680	26.969	-23.031	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

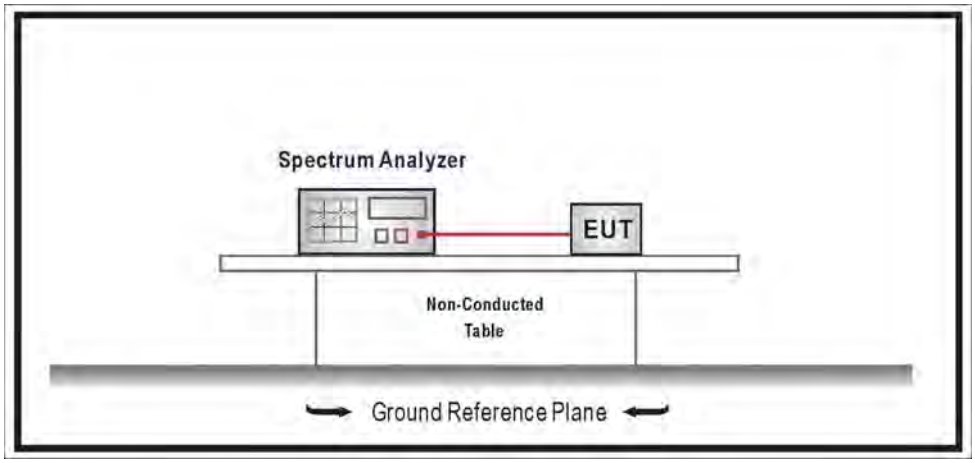
The following test equipments are used during the test:

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 9.2.2.2 of KDB558074 v03r02 measurement to FCC 47CFR 15.247 requirements. Set the RBW=1MHz, Set the VBW≧ 3xRBW, Sweep Time=Auto, Set RMS Detector. The channel power measurement function with the band limits set equal to the DTS bandwidth edges.

3.4. Limits

The maximum peak power shall be less 1 Watt.

3.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2013

3.6. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB.

3.7. Test Result

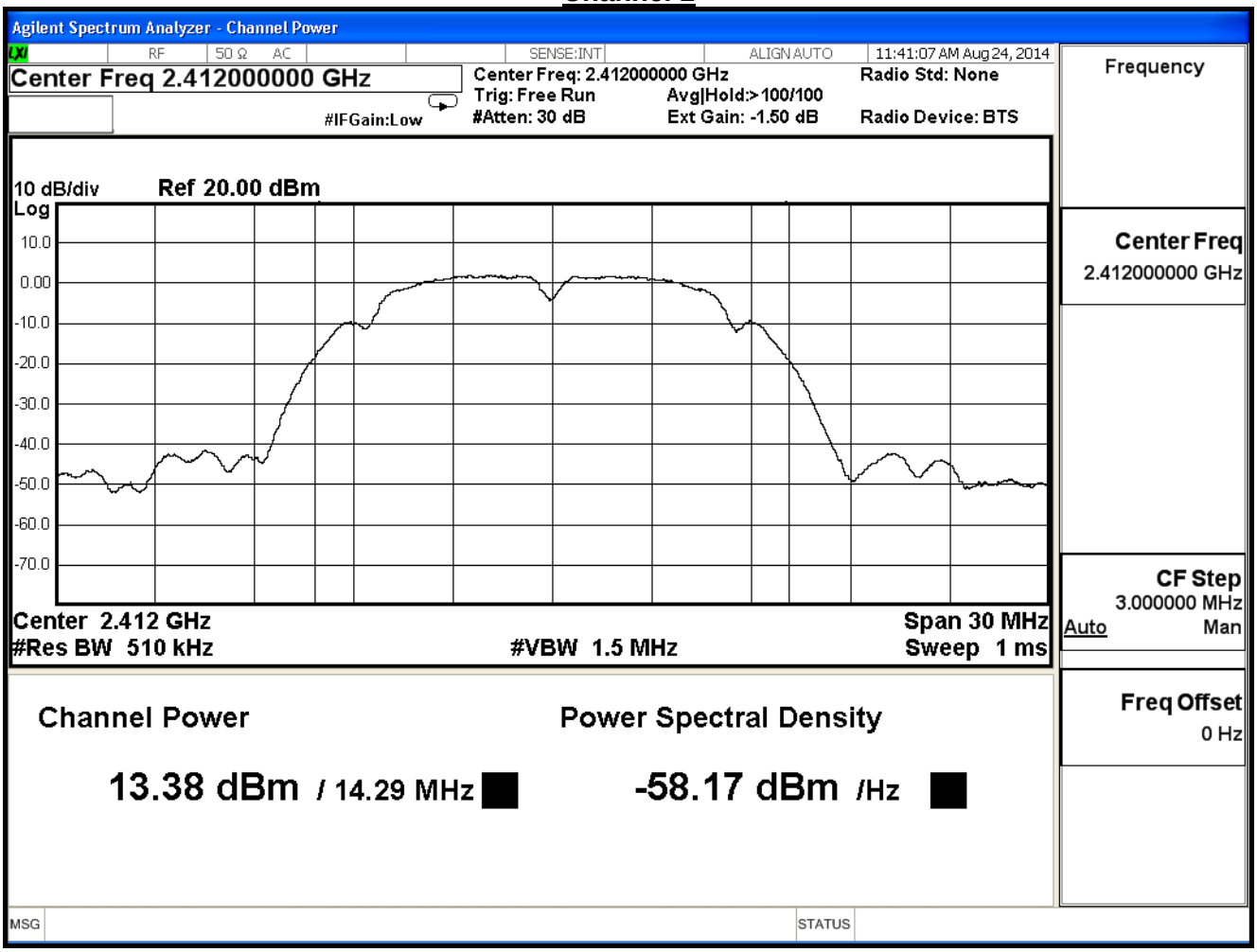
Product	Dual-band Wireless-AC1300 USB Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/08/24	Test Site	SR7

IEEE 802.11b (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	13.380	30	Pass
6	2437	13.810	30	Pass
11	2462	15.260	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	13.380	--	--	--	1 Watt=30dBm
6	2437	13.810	13.69	13.59	13.48	1 Watt=30dBm
11	2462	15.260	--	--	--	1 Watt=30dBm

Channel 1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Radio Device: BTS
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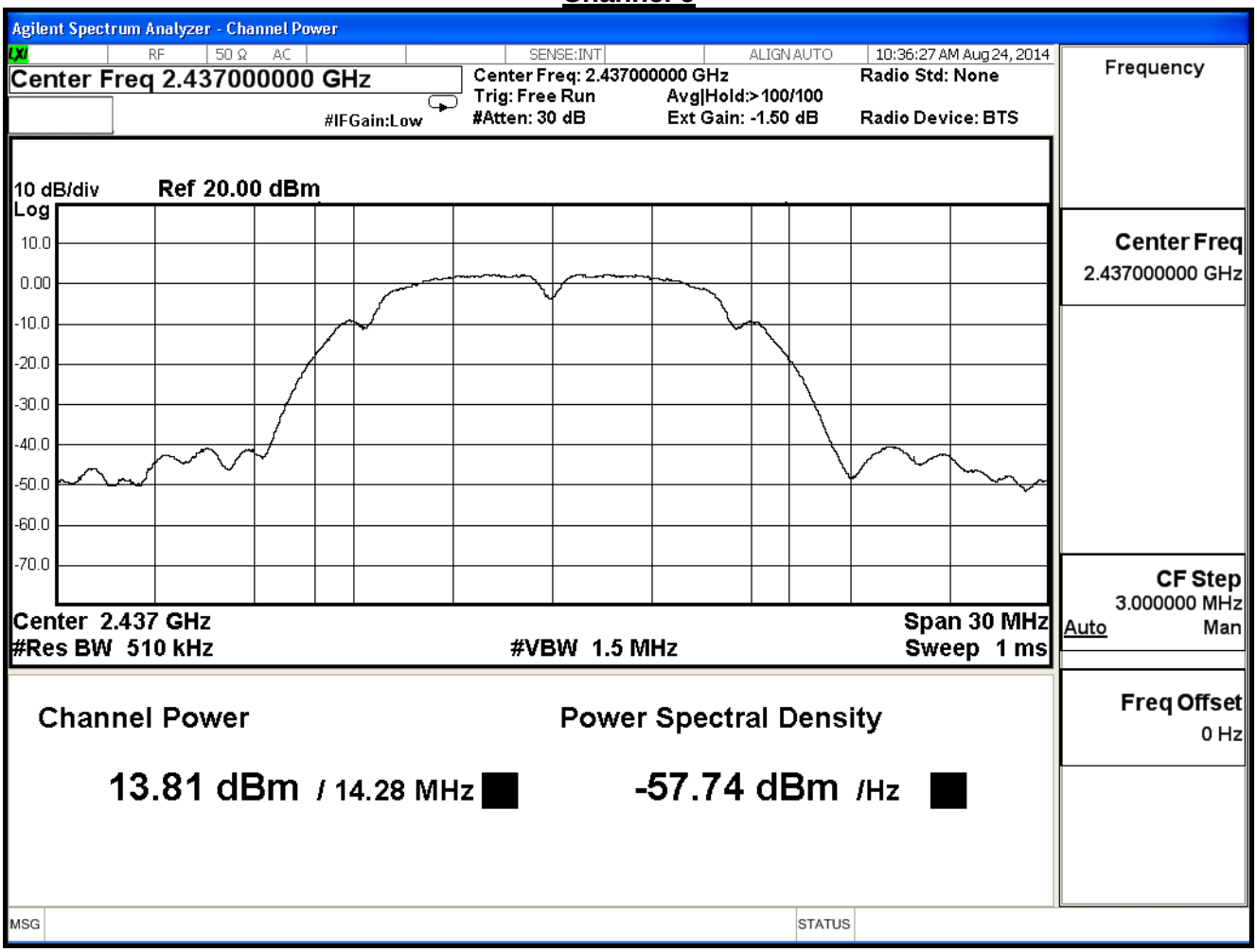
Channel 6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#Atten: 30 dB
Ext Gain: -1.50 dB
Radio Std: None
Radio Device: BTS
Frequency
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0.00
-10.0
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-30.0
-40.0
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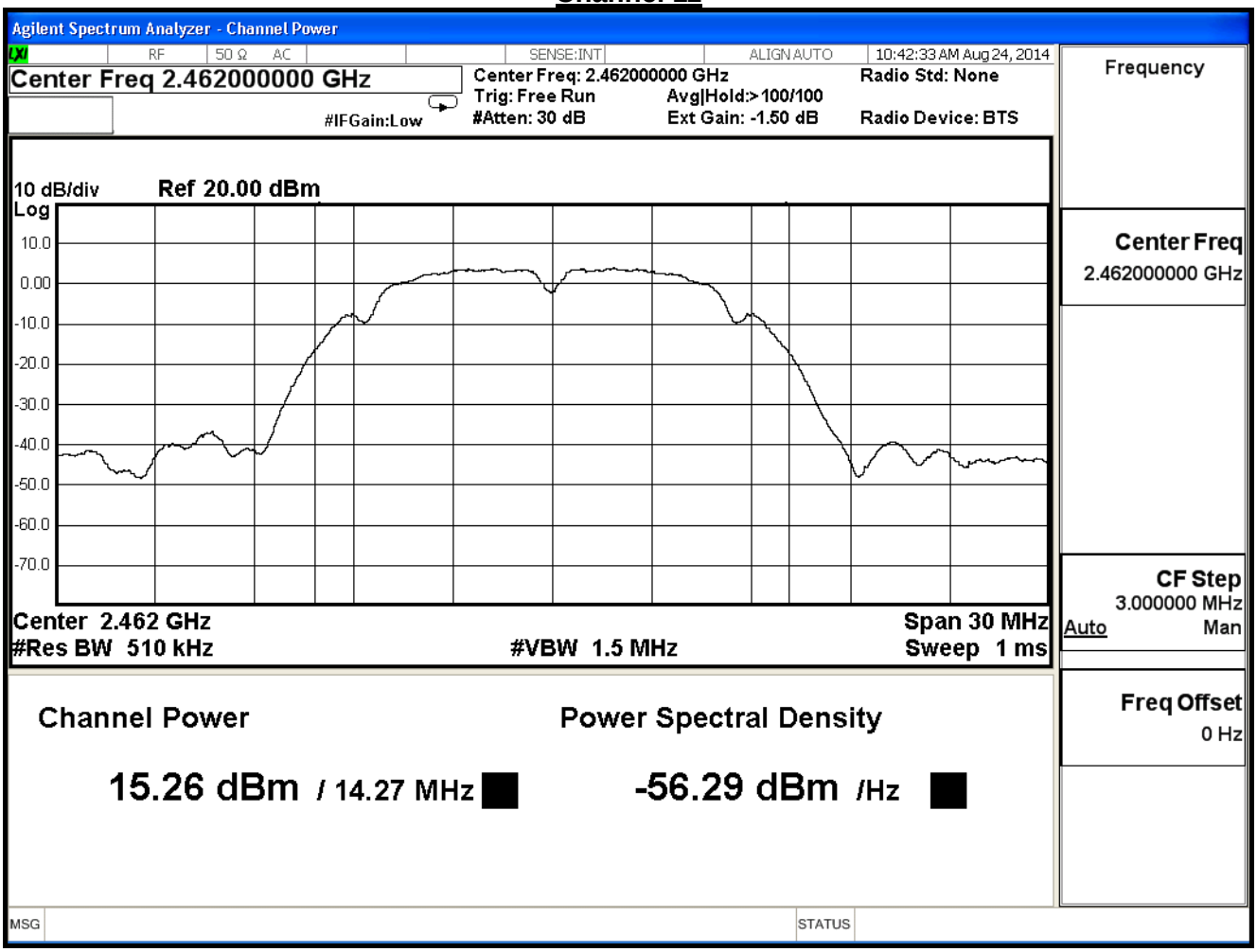
Auto
Man
Channel Power
13.81 dBm / 14.28 MHz
Power Spectral Density
-57.74 dBm /Hz
Freq Offset
0 Hz
MSG
STATUS

Channel 11


Agilent Spectrum Analyzer - Channel Power
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
10:42:33 AM Aug 24, 2014
Center Freq 2.462000000 GHz
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 30 dB
Ext Gain: -1.50 dB
Radio Std: None
Radio Device: BTS
Frequency
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
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30 MHz
Sweep 1 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
15.26 dBm / 14.27 MHz
Power Spectral Density
-56.29 dBm /Hz
Freq Offset
0 Hz
MSG
STATUS

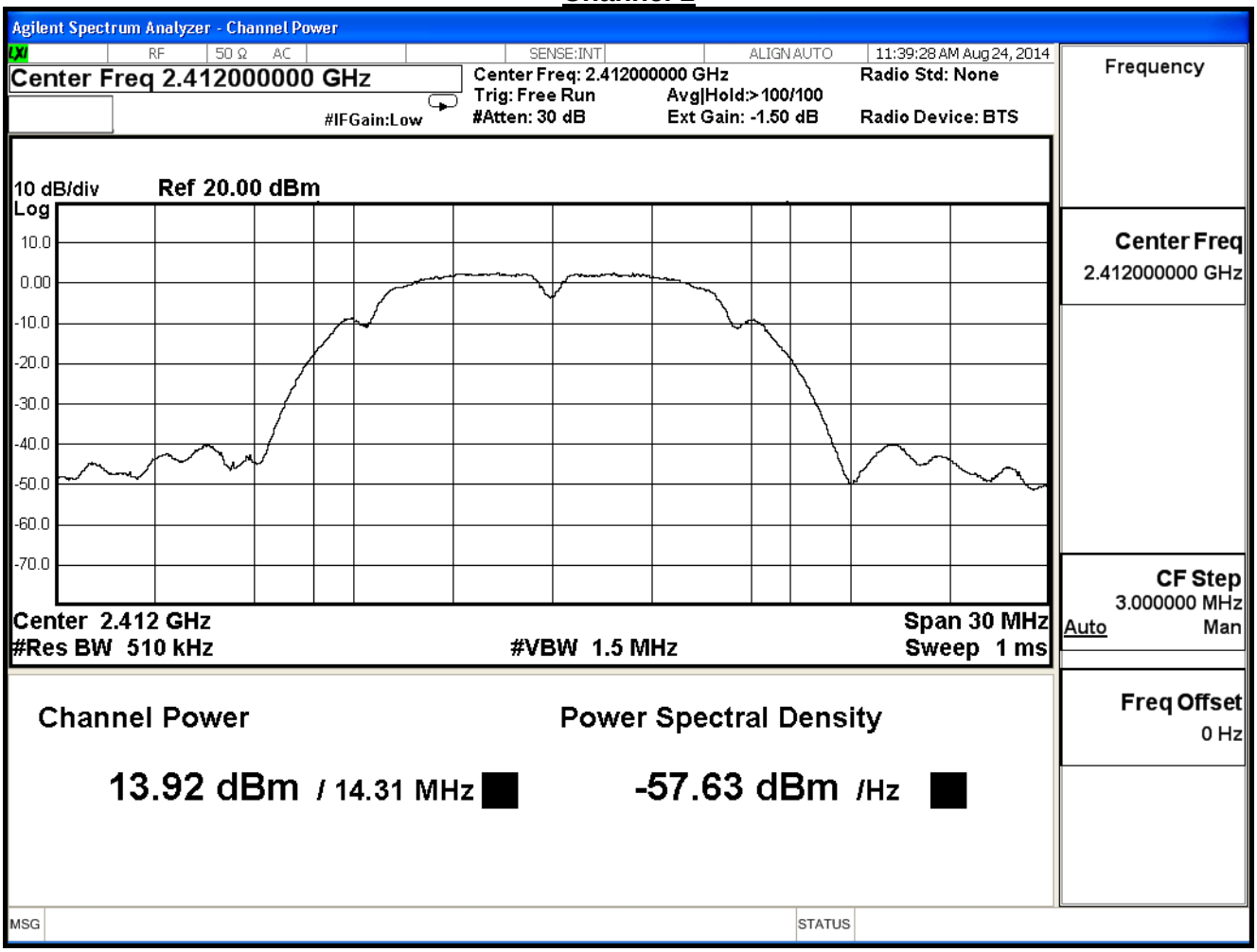
Product	Dual-band Wireless-AC1300 USB Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/08/24	Test Site	SR7

IEEE 802.11b (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	13.920	30	Pass
6	2437	12.660	30	Pass
11	2462	13.500	30	Pass

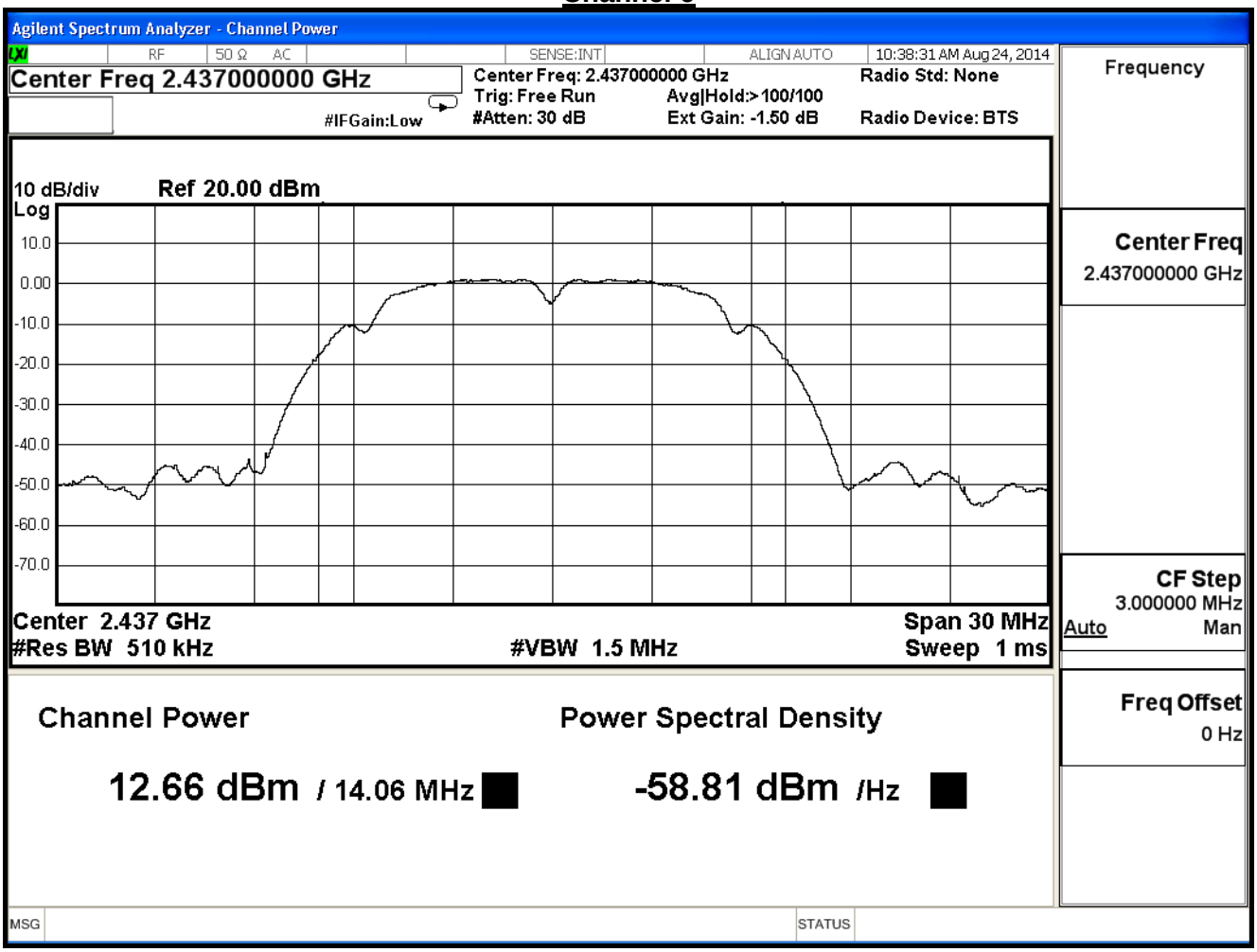
The worst emission of data rate is 1Mbps.

Peak Power Output (dBm)						
Channel No	Frequency (MHz)	Data Rate				Required Limit
		1	2	5.5	11	
1	2412	13.920	--	--	--	1 Watt=30dBm
6	2437	12.660	12.46	12.34	12.14	1 Watt=30dBm
11	2462	13.500	--	--	--	1 Watt=30dBm

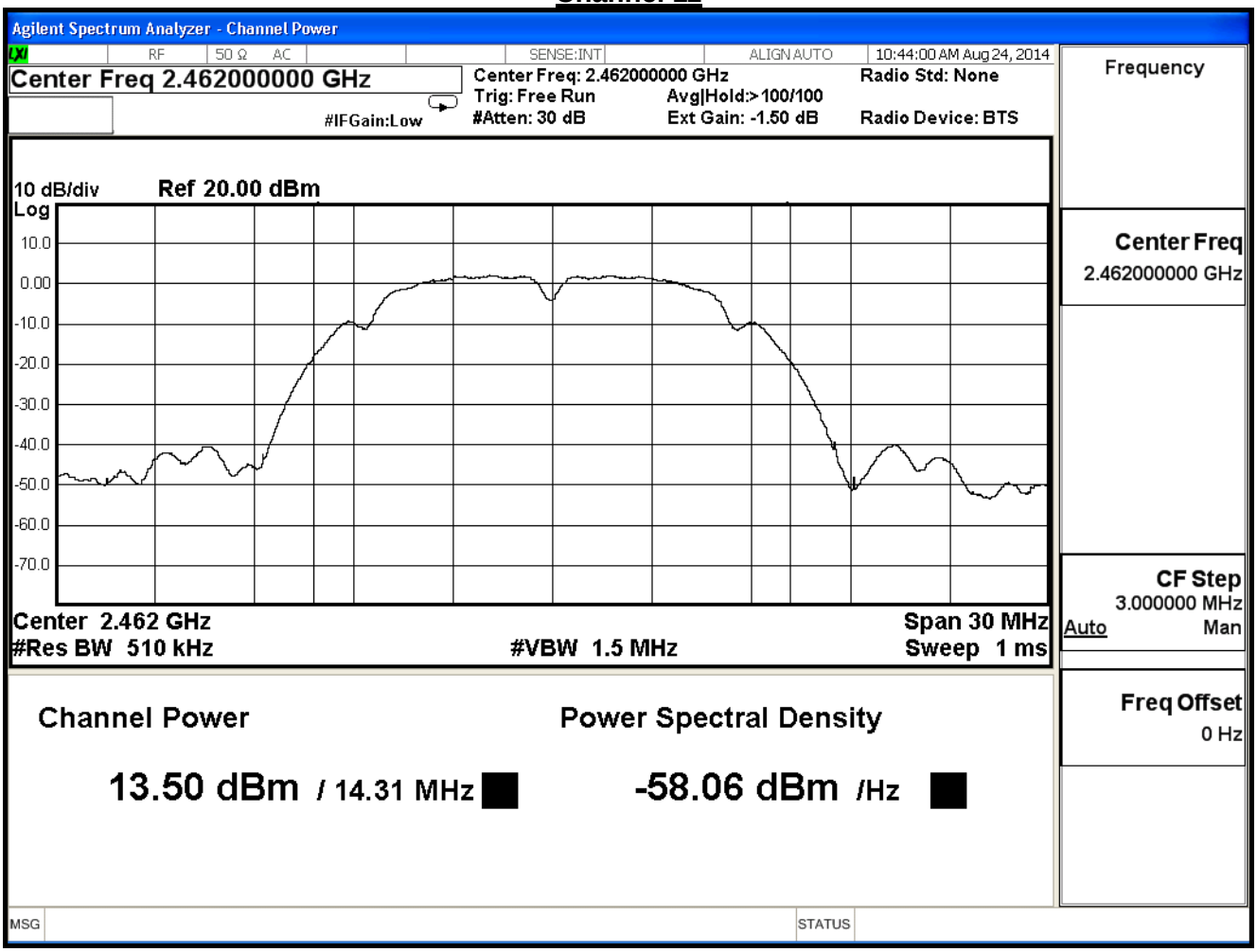
Channel 1


Agilent Spectrum Analyzer - Channel Power
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
11:39:28 AM Aug 24, 2014
Center Freq 2.412000000 GHz
Center Freq: 2.412000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 30 dB
Ext Gain: -1.50 dB
Radio Std: None
Radio Device: BTS
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
Center 2.412 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30 MHz
Sweep 1 ms
Channel Power
13.92 dBm / 14.31 MHz
Power Spectral Density
-57.63 dBm /Hz
MSG
STATUS
Frequency
Center Freq
2.412000000 GHz
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 6


Agilent Spectrum Analyzer - Channel Power
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
10:38:31 AM Aug 24, 2014
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 30 dB
Ext Gain: -1.50 dB
Radio Std: None
Radio Device: BTS
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
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30 MHz
Sweep 1 ms
Channel Power
12.66 dBm / 14.06 MHz
Power Spectral Density
-58.81 dBm /Hz
MSG
STATUS
Frequency
Center Freq
2.437000000 GHz
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 11


Agilent Spectrum Analyzer - Channel Power
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
10:44:00 AM Aug 24, 2014
Center Freq 2.462000000 GHz
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 30 dB
Ext Gain: -1.50 dB
Radio Std: None
Radio Device: BTS
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
Center 2.462 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30 MHz
Sweep 1 ms
Channel Power
13.50 dBm / 14.31 MHz
Power Spectral Density
-58.06 dBm /Hz
MSG
STATUS
Frequency
Center Freq
2.462000000 GHz
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz

Product	Dual-band Wireless-AC1300 USB Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/08/24	Test Site	SR7

IEEE 802.11b (ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	16.669	30	Pass
6	2437	16.283	30	Pass
11	2462	17.479	30	Pass

The worst emission of data rate is 1Mbps.

Peak Power Output (dBm)						
Channel No	Frequency (MHz)	Data Rate				Required Limit
		1	2	5.5	11	
1	2412	16.67	--	--	--	1 Watt=30dBm
6	2437	16.28	16.13	16.02	15.87	1 Watt=30dBm
11	2462	17.48	--	--	--	1 Watt=30dBm

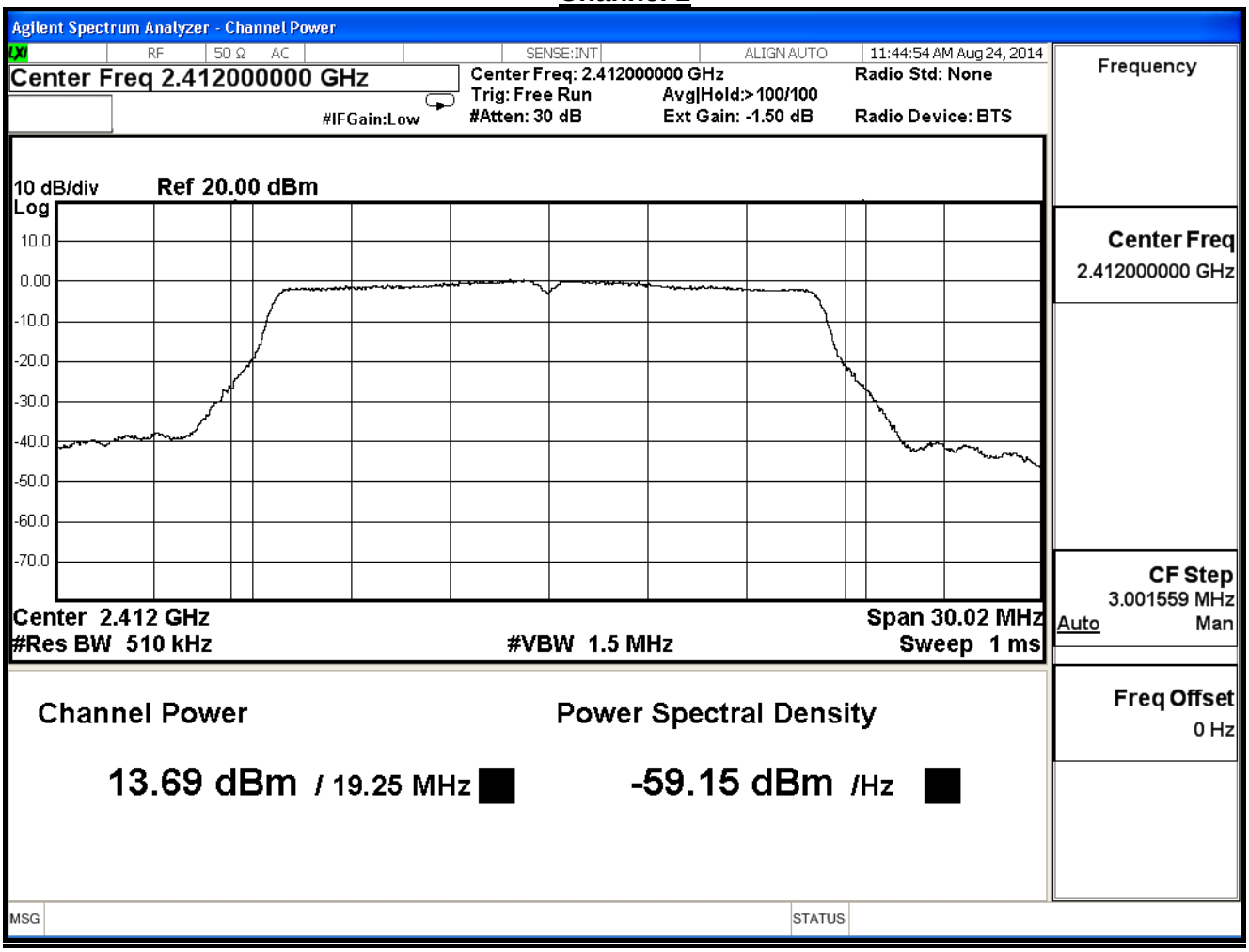
Product	Dual-band Wireless-AC1300 USB Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/08/24	Test Site	SR7

IEEE 802.11g (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	13.690	30	Pass
6	2437	14.750	30	Pass
11	2462	15.350	30	Pass

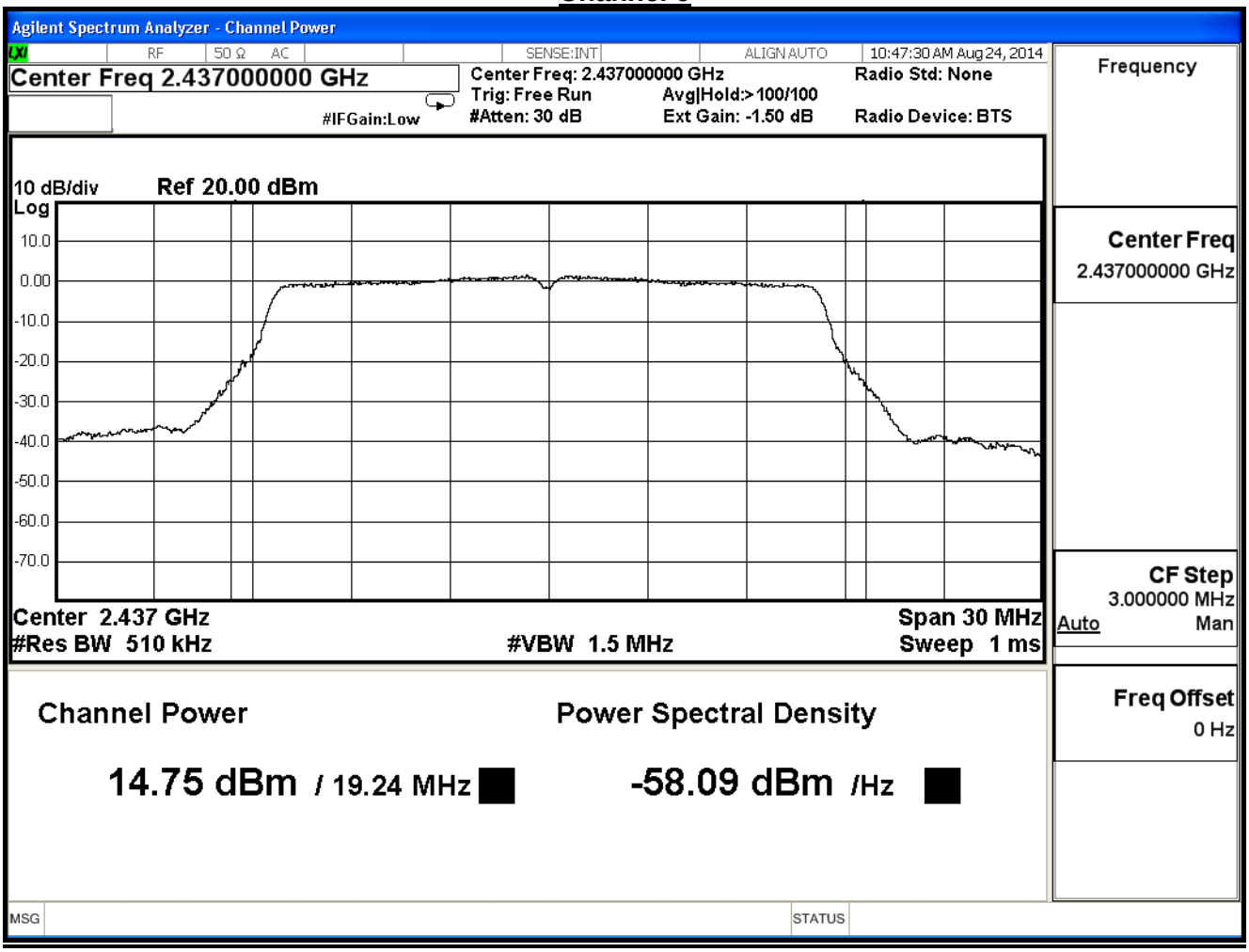
The worst emission of data rate is 6 Mbps.

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
1	2412	13.69	--	--	--	--	--	--	1 Watt=30dBm
6	2437	14.75	14.51	14.31	14.20	14.07	13.83	13.59	1 Watt=30dBm
11	2462	15.35	--	--	--	--	--	--	1 Watt=30dBm

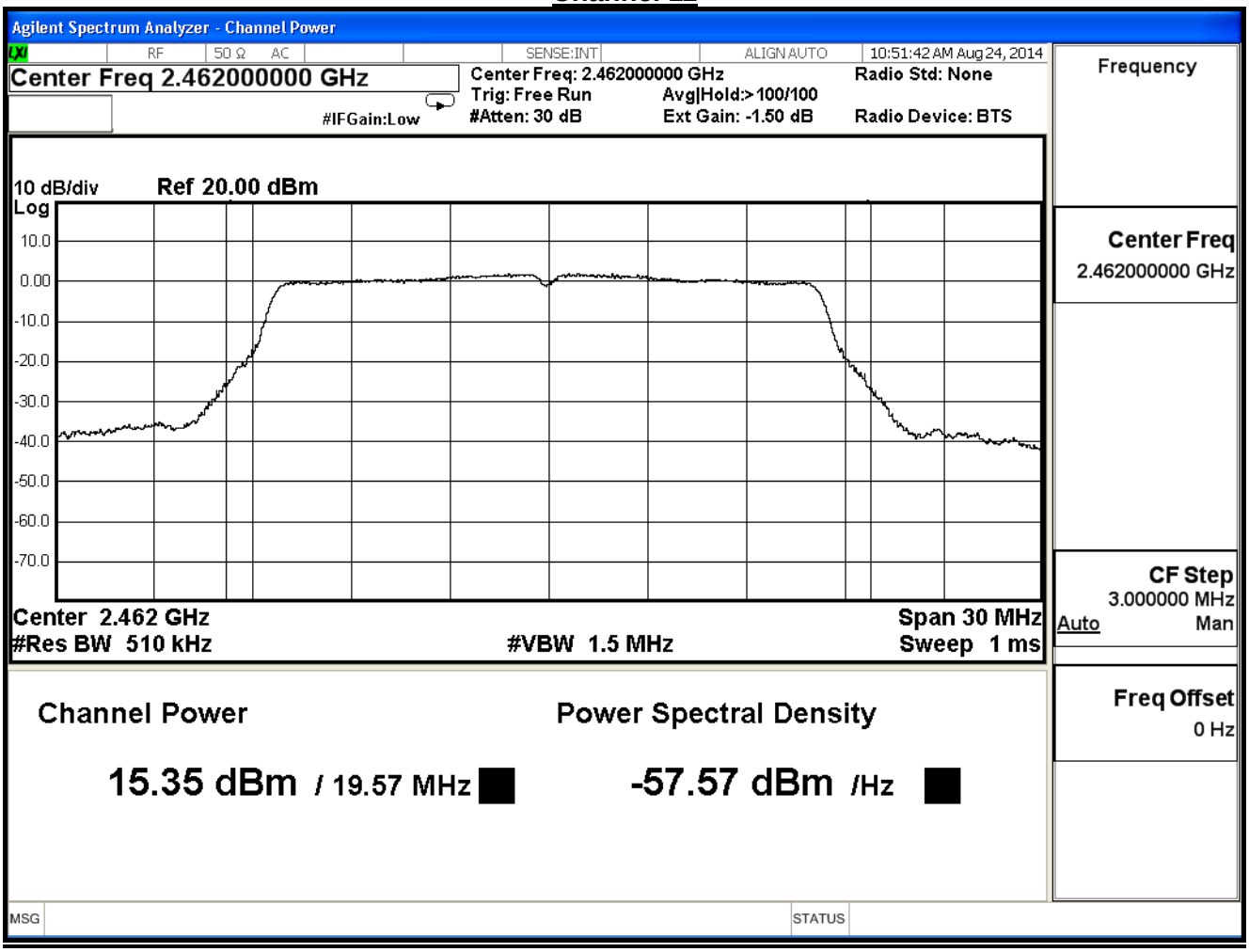
Channel 1


Agilent Spectrum Analyzer - Channel Power
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
11:44:54 AM Aug 24, 2014
Center Freq 2.412000000 GHz
Center Freq: 2.412000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 30 dB
Ext Gain: -1.50 dB
Radio Std: None
Radio Device: BTS
Frequency
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
Center Freq
2.412000000 GHz
Center 2.412 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30.02 MHz
Sweep 1 ms
CF Step
3.001559 MHz
Auto
Man
Channel Power
13.69 dBm / 19.25 MHz
Power Spectral Density
-59.15 dBm /Hz
Freq Offset
0 Hz
MSG
STATUS

Channel 6


Agilent Spectrum Analyzer - Channel Power
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
10:47:30 AM Aug 24, 2014
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 30 dB
Ext Gain: -1.50 dB
Radio Std: None
Radio Device: BTS
Frequency
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
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30 MHz
Sweep 1 ms
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz
Channel Power
14.75 dBm / 19.24 MHz
Power Spectral Density
-58.09 dBm /Hz
MSG
STATUS

Channel 11


Agilent Spectrum Analyzer - Channel Power
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
10:51:42 AM Aug 24, 2014
Center Freq 2.462000000 GHz
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 30 dB
Ext Gain: -1.50 dB
Radio Std: None
Radio Device: BTS
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
Center 2.462 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30 MHz
Sweep 1 ms
Channel Power
15.35 dBm / 19.57 MHz
Power Spectral Density
-57.57 dBm /Hz
MSG
STATUS
Frequency
Center Freq
2.462000000 GHz
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz

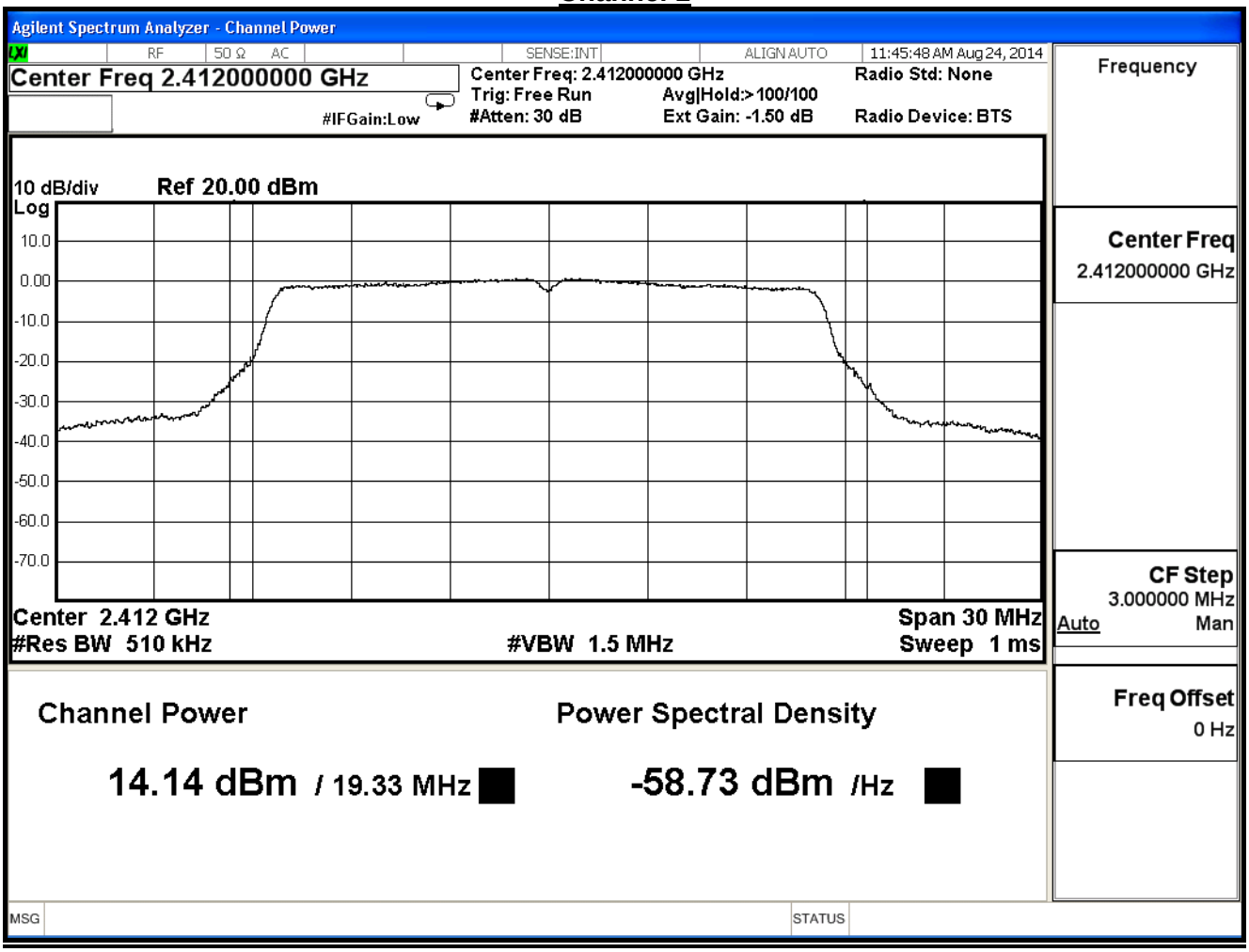
Product	Dual-band Wireless-AC1300 USB Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/08/24	Test Site	SR7

IEEE 802.11g (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	14.140	30	Pass
6	2437	15.380	30	Pass
11	2462	15.940	30	Pass

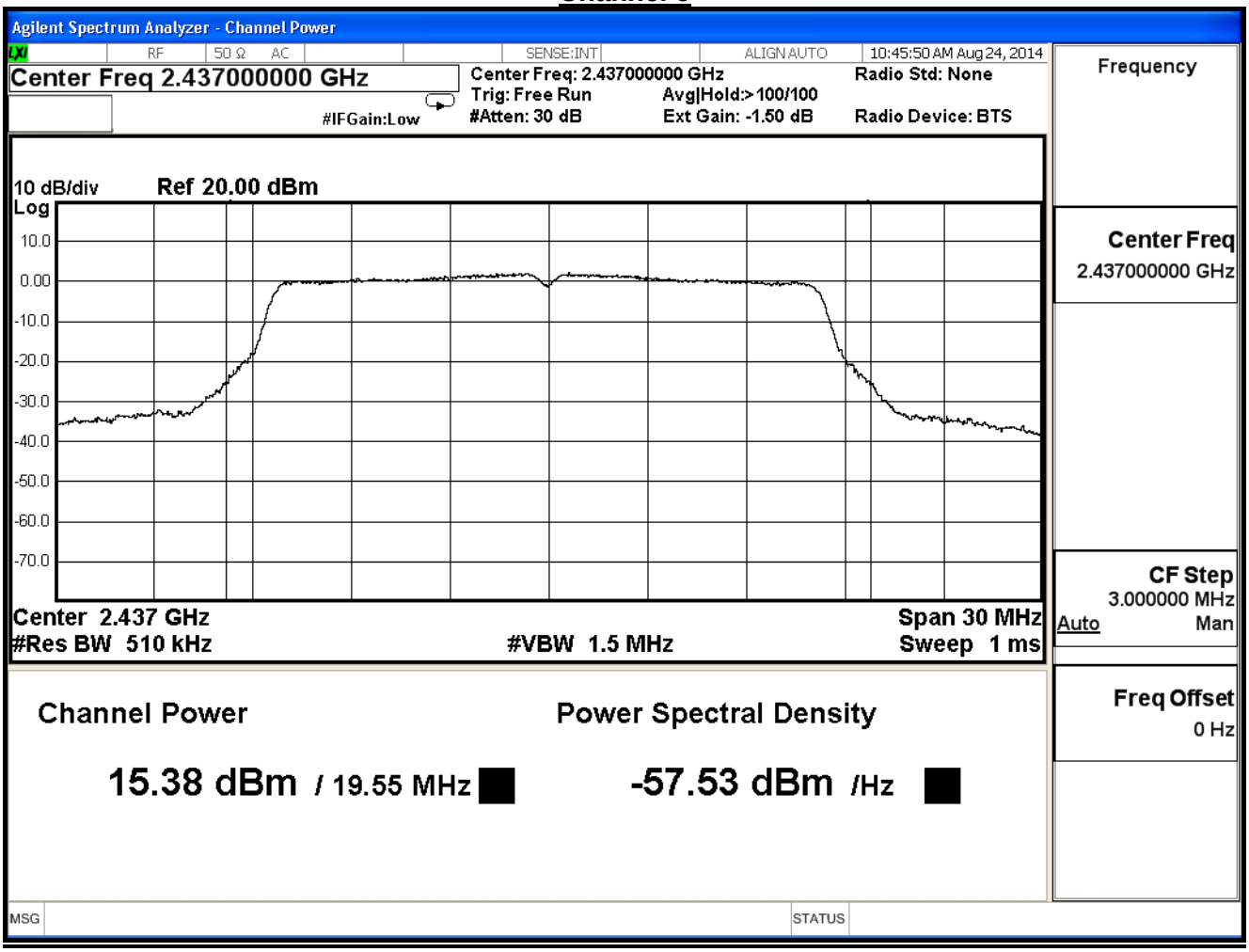
The worst emission of data rate is 6 Mbps.

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
1	2412	14.14	--	--	--	--	--	--	1 Watt=30dBm
6	2437	15.38	15.18	14.94	14.84	14.72	14.60	14.48	1 Watt=30dBm
11	2462	15.94	--	--	--	--	--	--	1 Watt=30dBm

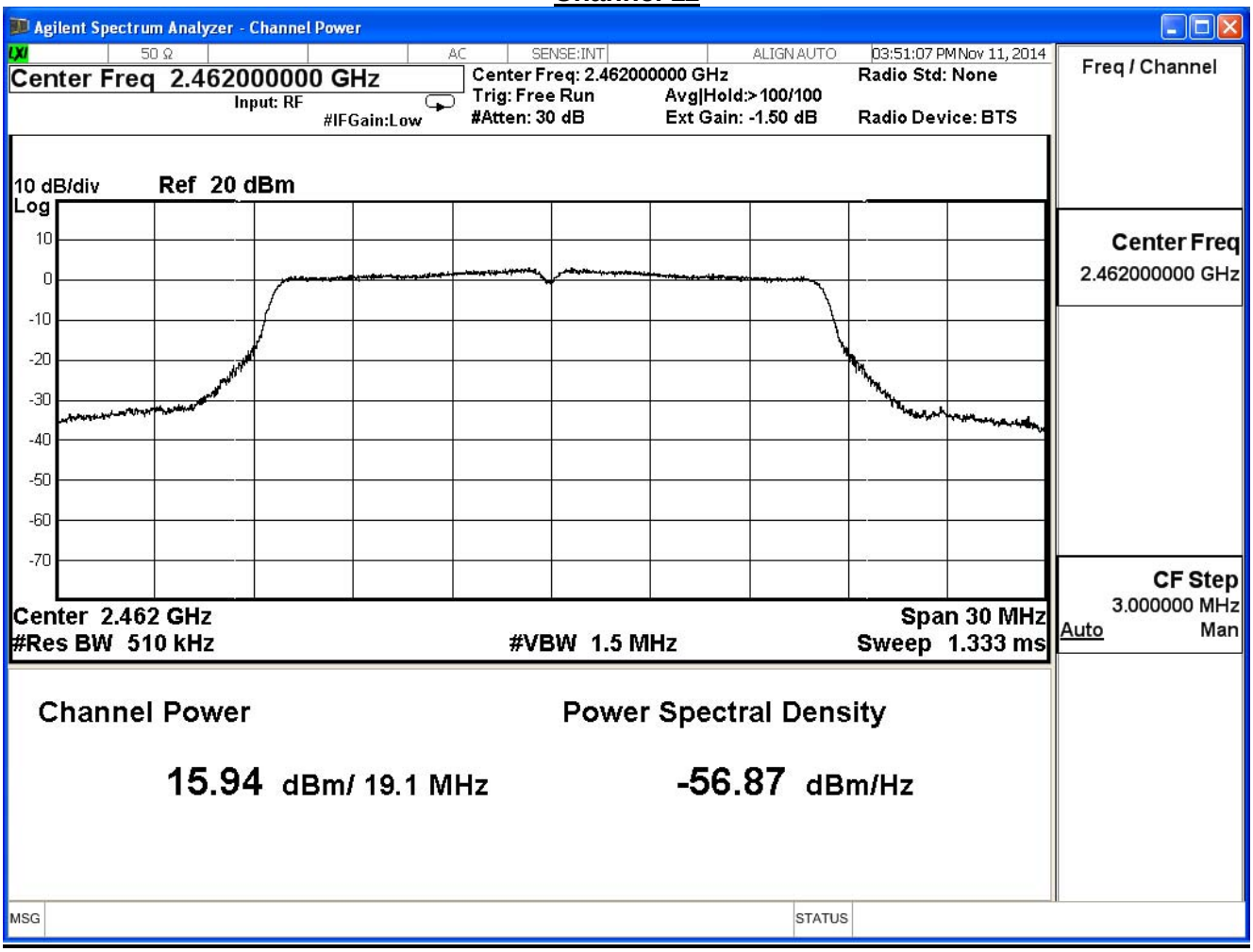
Channel 1


Agilent Spectrum Analyzer - Channel Power
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
11:45:48 AM Aug 24, 2014
Center Freq 2.412000000 GHz
Center Freq: 2.412000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 30 dB
Ext Gain: -1.50 dB
Radio Std: None
Radio Device: BTS
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
Center 2.412 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30 MHz
Sweep 1 ms
Channel Power
14.14 dBm / 19.33 MHz
Power Spectral Density
-58.73 dBm /Hz
MSG
STATUS
Frequency
Center Freq
2.412000000 GHz
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 6


Agilent Spectrum Analyzer - Channel Power
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
10:45:50 AM Aug 24, 2014
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 30 dB
Ext Gain: -1.50 dB
Radio Std: None
Radio Device: BTS
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
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30 MHz
Sweep 1 ms
Channel Power
15.38 dBm / 19.55 MHz
Power Spectral Density
-57.53 dBm /Hz
Frequency
Center Freq
2.437000000 GHz
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

Channel 11


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
03:51:07 PM Nov 11, 2014
Center Freq 2.462000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.50 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
15.94 dBm/ 19.1 MHz
Power Spectral Density
-56.87 dBm/Hz
MSG
STATUS

Product	Dual-band Wireless-AC1300 USB Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/08/24	Test Site	SR7

IEEE 802.11g (ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	16.931	30	Pass
6	2437	18.087	30	Pass
11	2462	18.670	30	Pass

The worst emission of data rate is 6 Mbps.

Peak Power Output (dBm)									
Channel	Frequency	Data Rate							Required
No	(MHz)	6	12	18	24	36	48	54	Limit
1	2412	16.93	--	--	--	--	--	--	1 Watt=30dBm
6	2437	18.09	17.87	17.65	17.54	17.42	17.24	17.07	1 Watt=30dBm
11	2462	18.67	--	--	--	--	--	--	1 Watt=30dBm

Product	Dual-band Wireless-AC1300 USB Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 2: Transmit (MIMO Mode)		
Date of Test	2014/08/24	Test Site	SR7

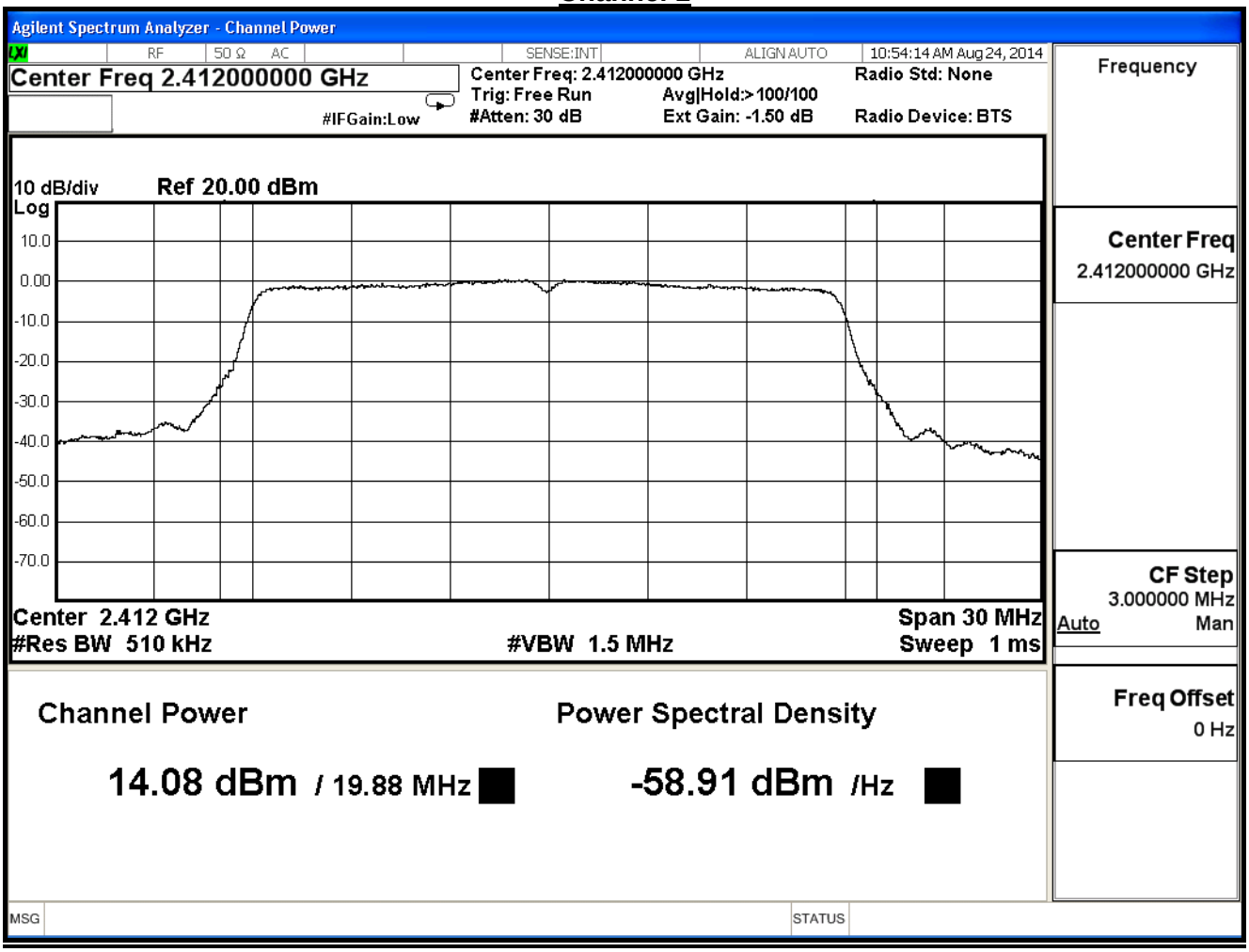
IEEE 802.11n 20MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	14.080	30	Pass
6	2437	14.290	30	Pass
11	2462	15.120	30	Pass

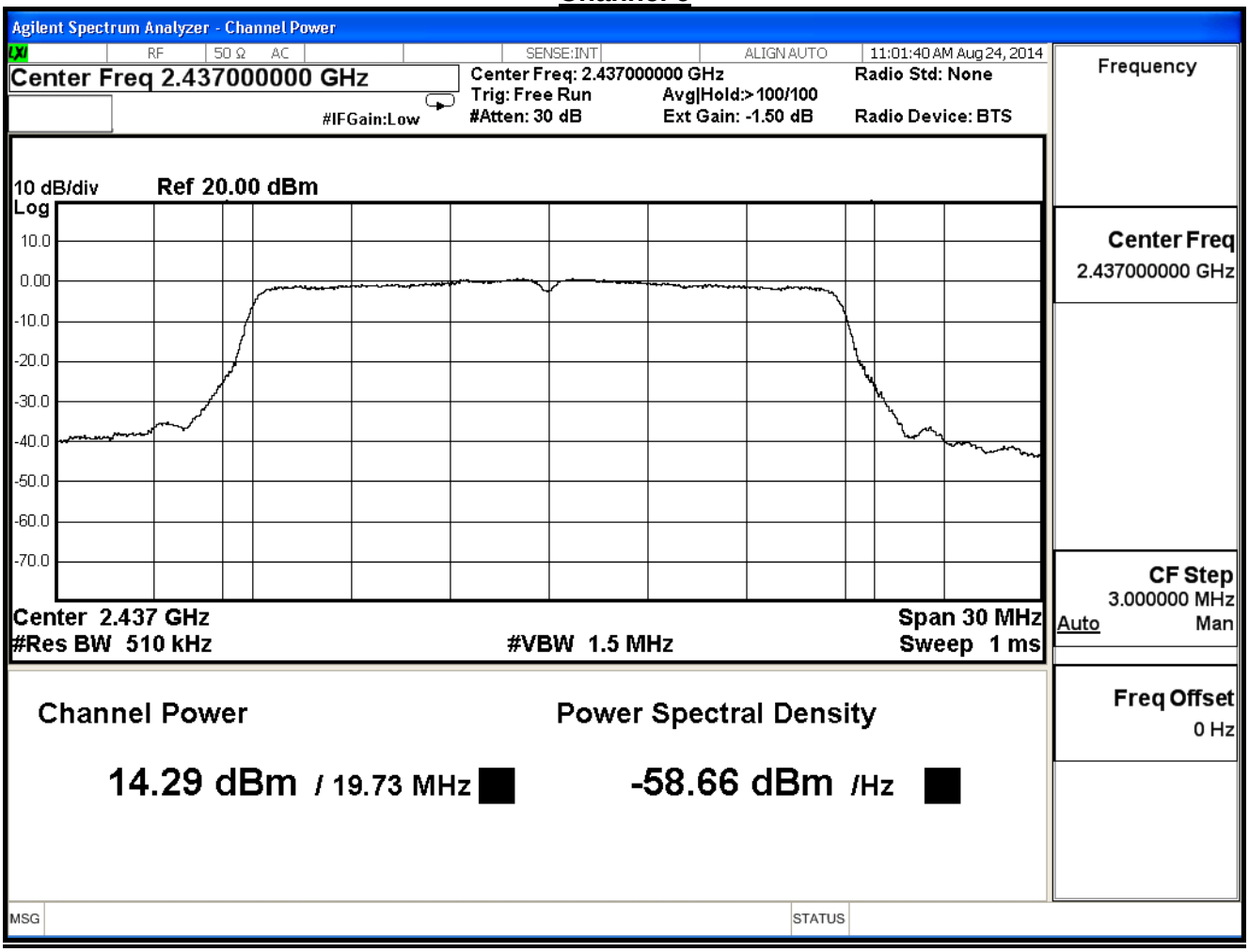
The worst emission of data rate is 13 Mbps.

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	14.08	--	--	--	--	--	--	--	1Watt=30dBm
6	2437	14.29	14.05	13.85	13.74	13.61	13.37	13.13	12.91	1Watt=30dBm
11	2462	15.12	--	--	--	--	--	--	--	1Watt=30dBm

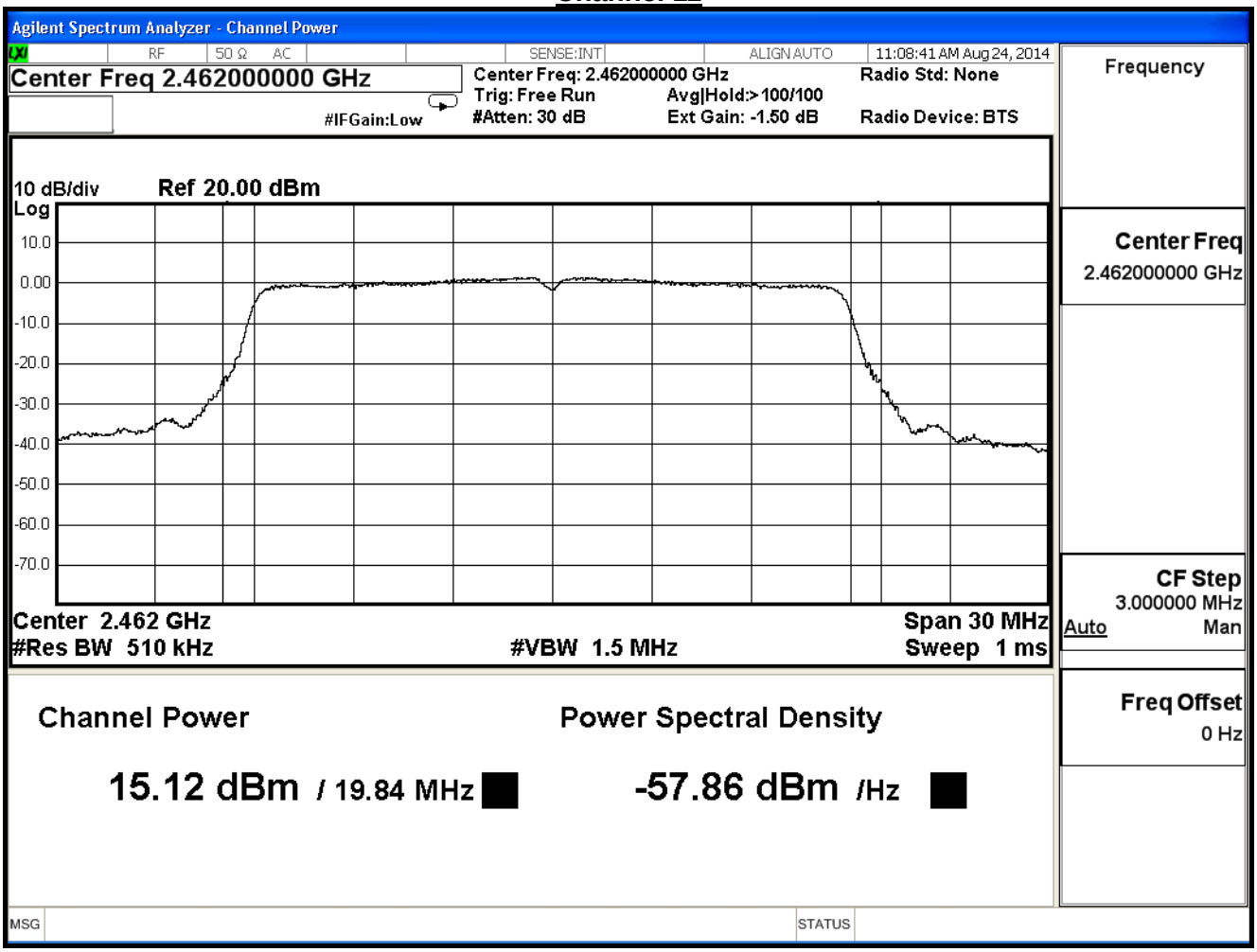
Channel 1


Agilent Spectrum Analyzer - Channel Power
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
10:54:14 AM Aug 24, 2014
Center Freq 2.412000000 GHz
Center Freq: 2.412000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 30 dB
Ext Gain: -1.50 dB
Radio Std: None
Radio Device: BTS
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
Center 2.412 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30 MHz
Sweep 1 ms
Channel Power
14.08 dBm / 19.88 MHz
Power Spectral Density
-58.91 dBm /Hz
MSG
STATUS
Frequency
Center Freq
2.412000000 GHz
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 6


Agilent Spectrum Analyzer - Channel Power
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
11:01:40 AM Aug 24, 2014
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 30 dB
Ext Gain: -1.50 dB
Radio Std: None
Radio Device: BTS
Frequency
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
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30 MHz
Sweep 1 ms
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz
Channel Power
14.29 dBm / 19.73 MHz
Power Spectral Density
-58.66 dBm /Hz
MSG
STATUS

Channel 11


Agilent Spectrum Analyzer - Channel Power
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
11:08:41 AM Aug 24, 2014
Center Freq 2.462000000 GHz
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 30 dB
Ext Gain: -1.50 dB
Radio Std: None
Radio Device: BTS
Frequency
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
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30 MHz
Sweep 1 ms
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz
Channel Power
15.12 dBm / 19.84 MHz
Power Spectral Density
-57.86 dBm /Hz
MSG
STATUS

Product	Dual-band Wireless-AC1300 USB Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 2: Transmit (MIMO Mode)		
Date of Test	2014/08/24	Test Site	SR7

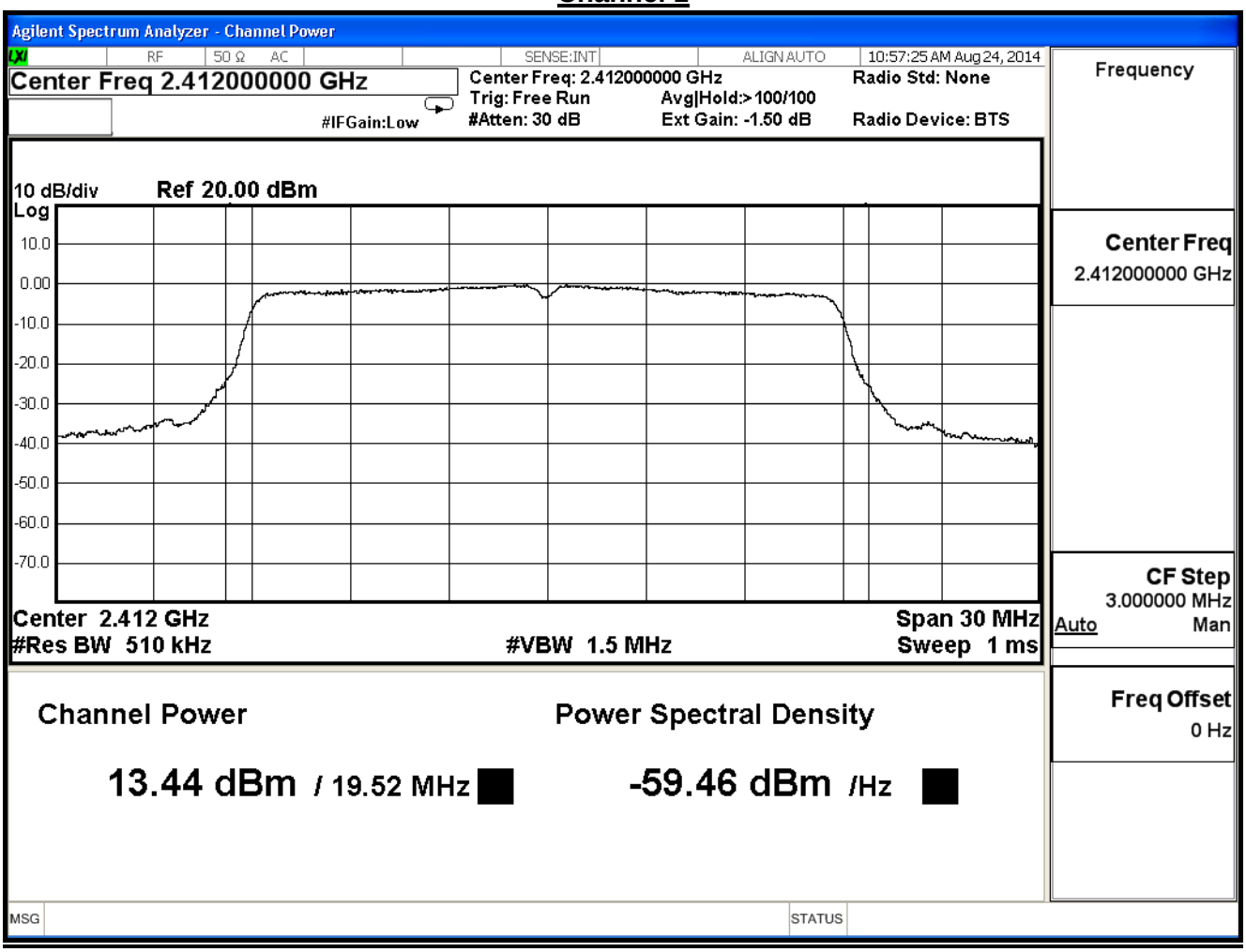
IEEE 802.11n 20MHz (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	13.440	30	Pass
6	2437	13.040	30	Pass
11	2462	14.470	30	Pass

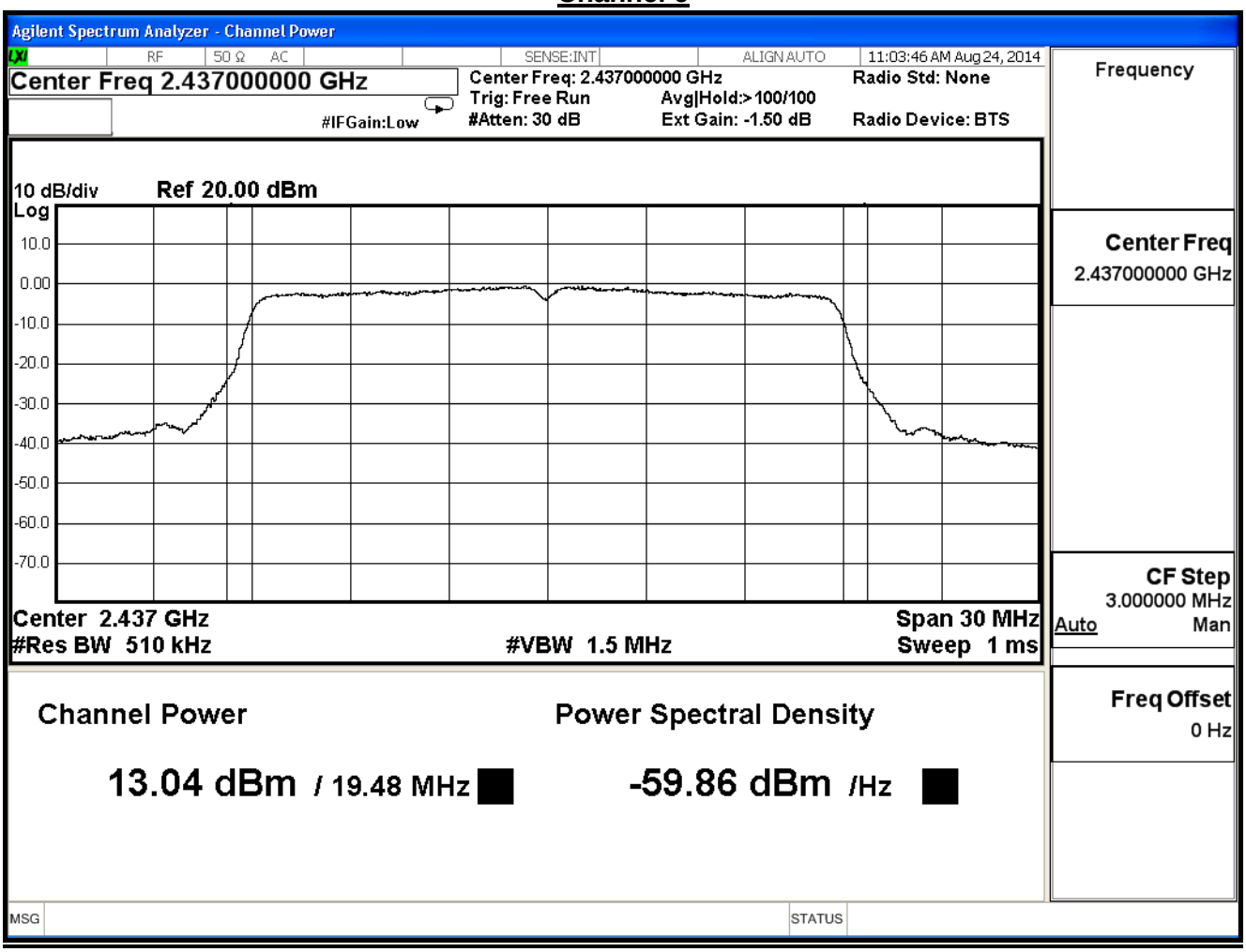
The worst emission of data rate is 13 Mbps.

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	13.44	--	--	--	--	--	--	--	1Watt=30dBm
6	2437	13.04	12.84	12.72	12.62	12.38	12.26	12.02	11.76	1Watt=30dBm
11	2462	14.47	--	--	--	--	--	--	--	1Watt=30dBm

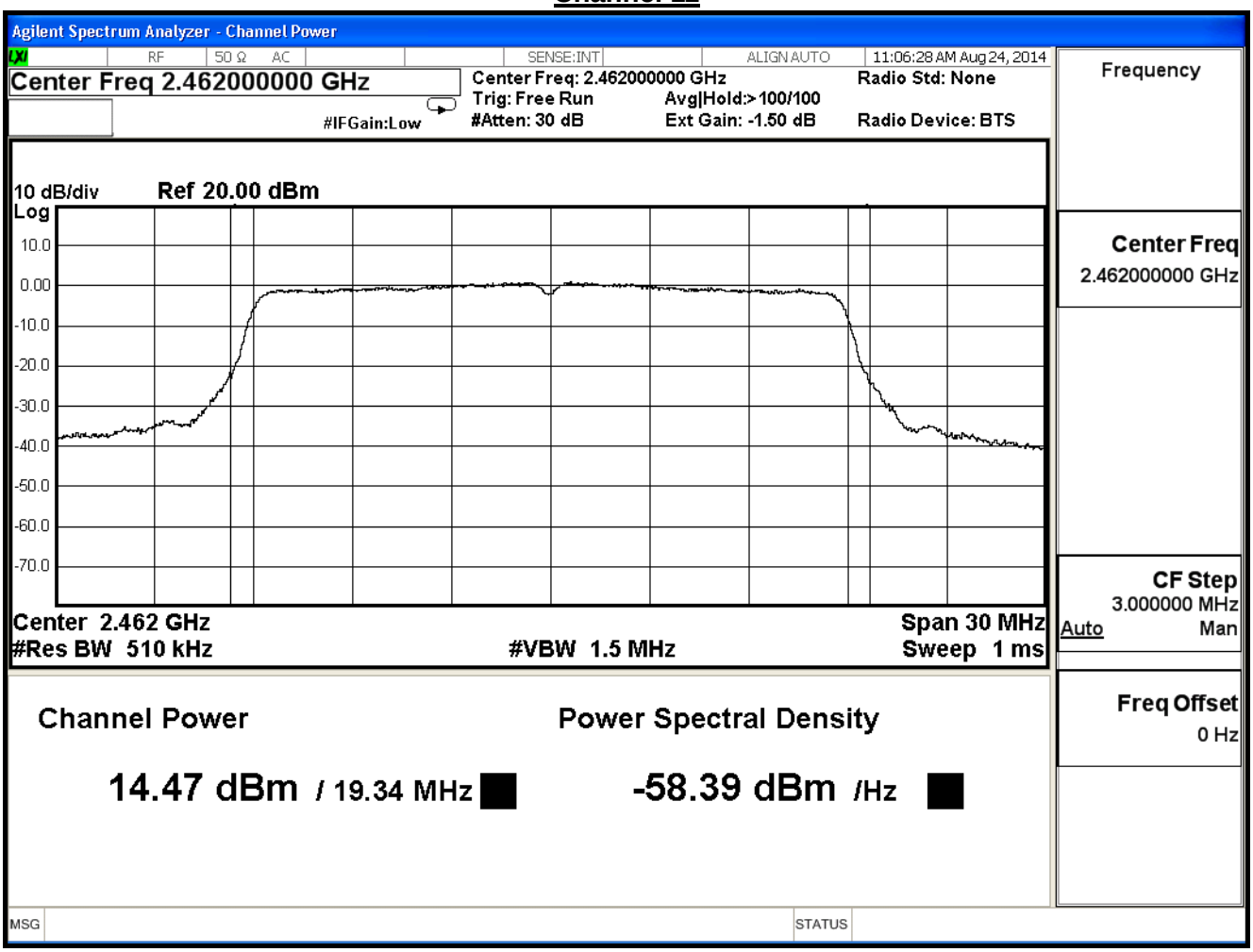
Channel 1


Agilent Spectrum Analyzer - Channel Power
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
10:57:25 AM Aug 24, 2014
Center Freq 2.412000000 GHz
Center Freq: 2.412000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 30 dB
Ext Gain: -1.50 dB
Radio Std: None
Radio Device: BTS
Frequency
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
Center Freq
2.412000000 GHz
Center 2.412 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30 MHz
Sweep 1 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
13.44 dBm / 19.52 MHz
Power Spectral Density
-59.46 dBm /Hz
Freq Offset
0 Hz
MSG
STATUS

Channel 6


Agilent Spectrum Analyzer - Channel Power
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
11:03:46 AM Aug 24, 2014
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 30 dB
Ext Gain: -1.50 dB
Radio Std: None
Radio Device: BTS
Frequency
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
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30 MHz
Sweep 1 ms
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz
Channel Power
13.04 dBm / 19.48 MHz
Power Spectral Density
-59.86 dBm /Hz
MSG
STATUS

Channel 11


Agilent Spectrum Analyzer - Channel Power
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
11:06:28 AM Aug 24, 2014
Center Freq 2.462000000 GHz
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 30 dB
Ext Gain: -1.50 dB
Radio Std: None
Radio Device: BTS
Frequency
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
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30 MHz
Sweep 1 ms
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz
Channel Power
14.47 dBm / 19.34 MHz
Power Spectral Density
-58.39 dBm /Hz
MSG
STATUS

Product	Dual-band Wireless-AC1300 USB Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 2: Transmit (MIMO Mode)		
Date of Test	2014/08/24	Test Site	SR7

IEEE 802.11n 20MHz (ANT 0+1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	16.782	30	Pass
6	2437	16.720	30	Pass
11	2462	17.817	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	16.78	--	--	--	--	--	--	--	1Watt=30dBm
6	2437	16.72	16.50	16.33	16.23	16.05	15.86	15.62	15.38	1Watt=30dBm
11	2462	17.82	--	--	--	--	--	--	--	1Watt=30dBm

Product	Dual-band Wireless-AC1300 USB Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 2: Transmit (MIMO Mode)		
Date of Test	2014/08/24	Test Site	SR7

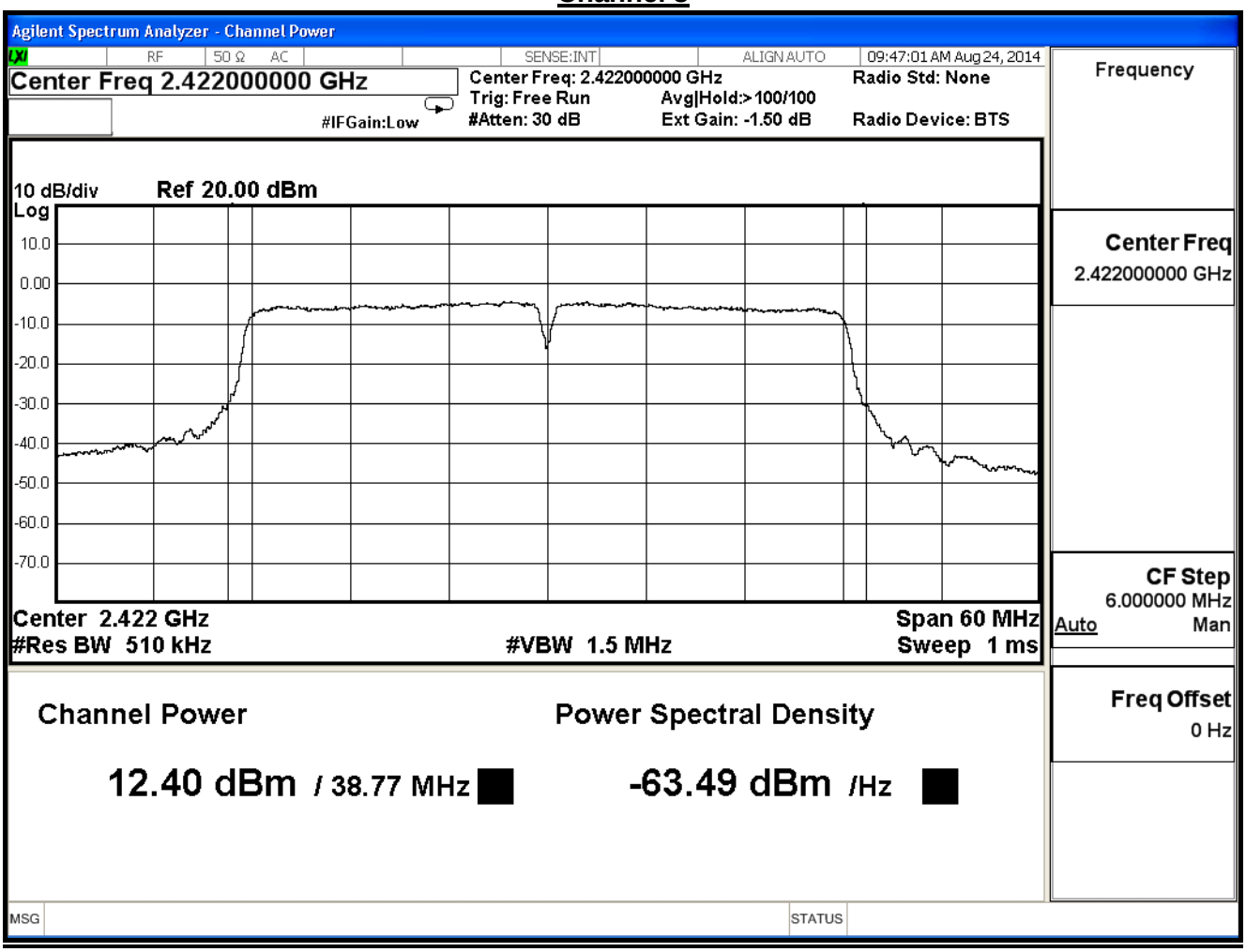
IEEE802.11n 40MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	12.400	30	Pass
6	2437	13.730	30	Pass
9	2452	15.020	30	Pass

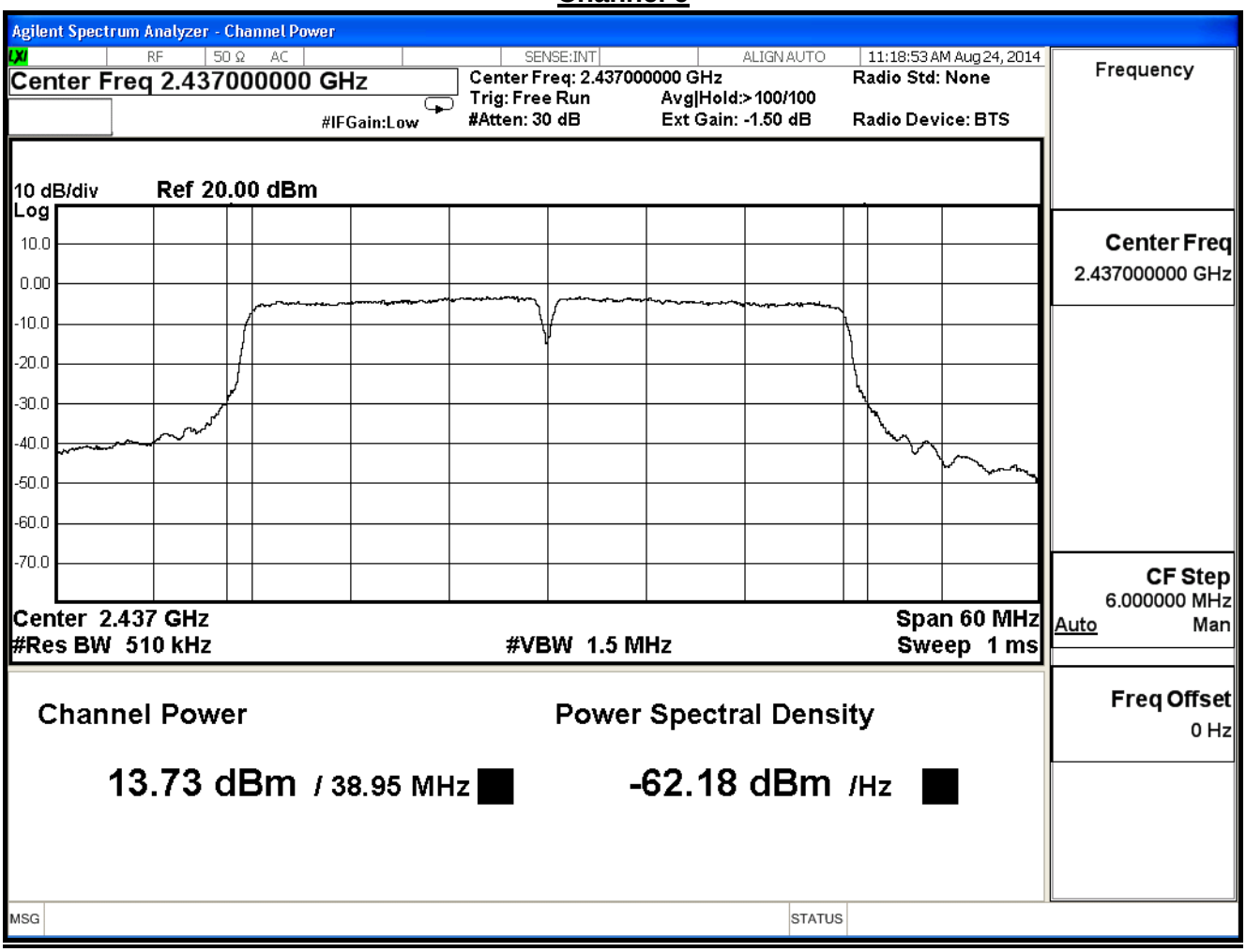
The worst emission of data rate is 27 Mbps.

Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		27	54	81	108	162	216	243	270	
3	2422	12.40	--	--	--	--	--	--	--	1Watt=30dBm
6	2437	13.73	13.53	13.42	13.22	13.12	12.88	12.62	12.38	1Watt=30dBm
9	2452	15.02	--	--	--	--	--	--	--	1Watt=30dBm

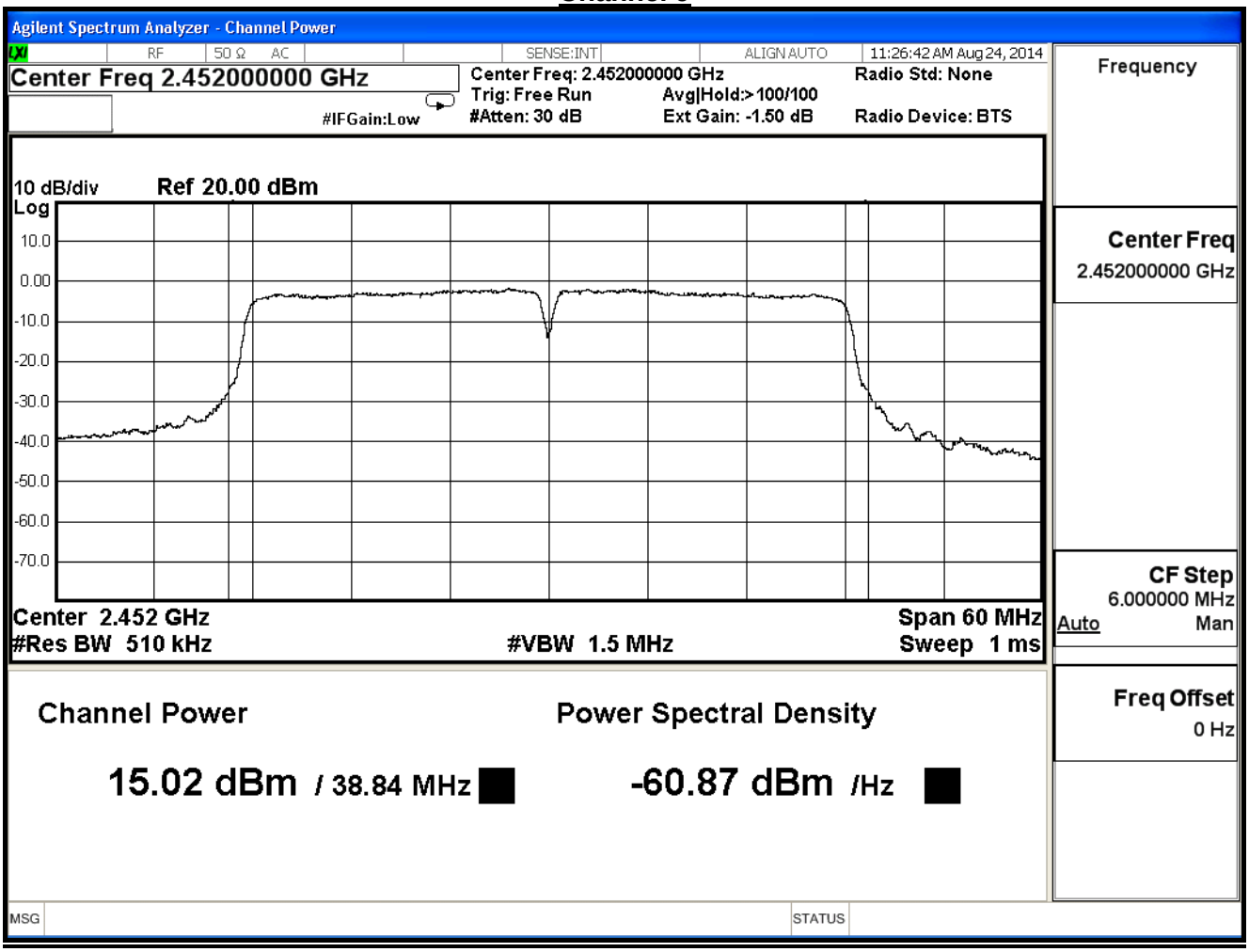
Channel 3


Agilent Spectrum Analyzer - Channel Power
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
09:47:01 AM Aug 24, 2014
Center Freq 2.422000000 GHz
Center Freq: 2.422000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 30 dB
Ext Gain: -1.50 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 20.00 dBm
Log
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center Freq
2.422000000 GHz
Center 2.422 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 60 MHz
Sweep 1 ms
CF Step
6.000000 MHz
Auto
Man
Channel Power
12.40 dBm / 38.77 MHz
Power Spectral Density
-63.49 dBm /Hz
Freq Offset
0 Hz
MSG
STATUS

Channel 6


Agilent Spectrum Analyzer - Channel Power
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
11:18:53 AM Aug 24, 2014
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 30 dB
Ext Gain: -1.50 dB
Radio Std: None
Radio Device: BTS
Frequency
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
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 60 MHz
Sweep 1 ms
CF Step
6.000000 MHz
Auto
Man
Freq Offset
0 Hz
Channel Power
13.73 dBm / 38.95 MHz
Power Spectral Density
-62.18 dBm /Hz
MSG
STATUS

Channel 9


Agilent Spectrum Analyzer - Channel Power
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
11:26:42 AM Aug 24, 2014
Center Freq 2.452000000 GHz
Center Freq: 2.452000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 30 dB
Ext Gain: -1.50 dB
Radio Std: None
Radio Device: BTS
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
Center 2.452 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 60 MHz
Sweep 1 ms
Channel Power
15.02 dBm / 38.84 MHz
Power Spectral Density
-60.87 dBm /Hz
MSG
STATUS
Frequency
Center Freq
2.452000000 GHz
CF Step
6.000000 MHz
Auto
Man
Freq Offset
0 Hz

Product	Dual-band Wireless-AC1300 USB Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 2: Transmit (MIMO Mode)		
Date of Test	2014/08/24	Test Site	SR7

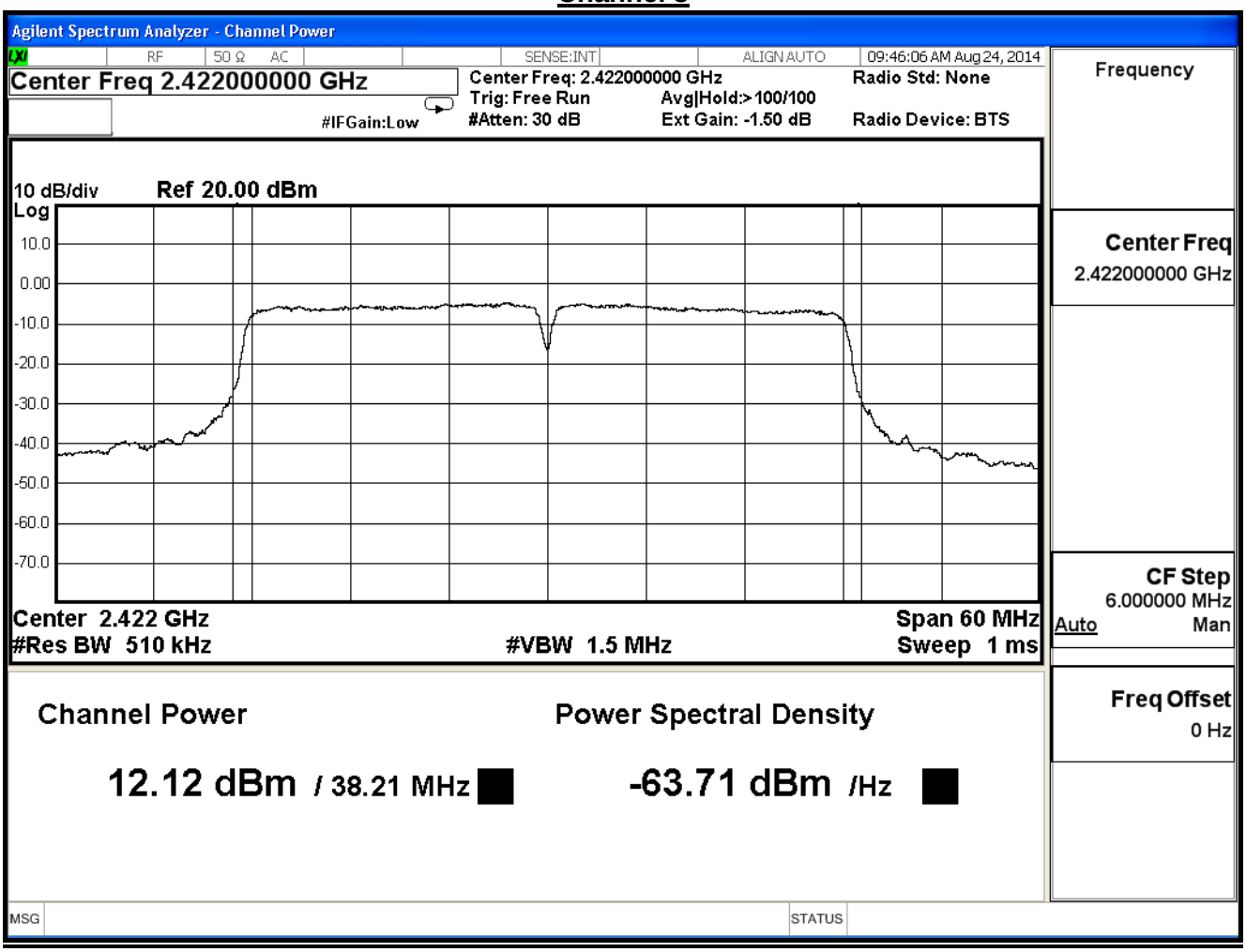
IEEE802.11n 40MHz (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	12.120	30	Pass
6	2437	13.720	30	Pass
9	2452	14.670	30	Pass

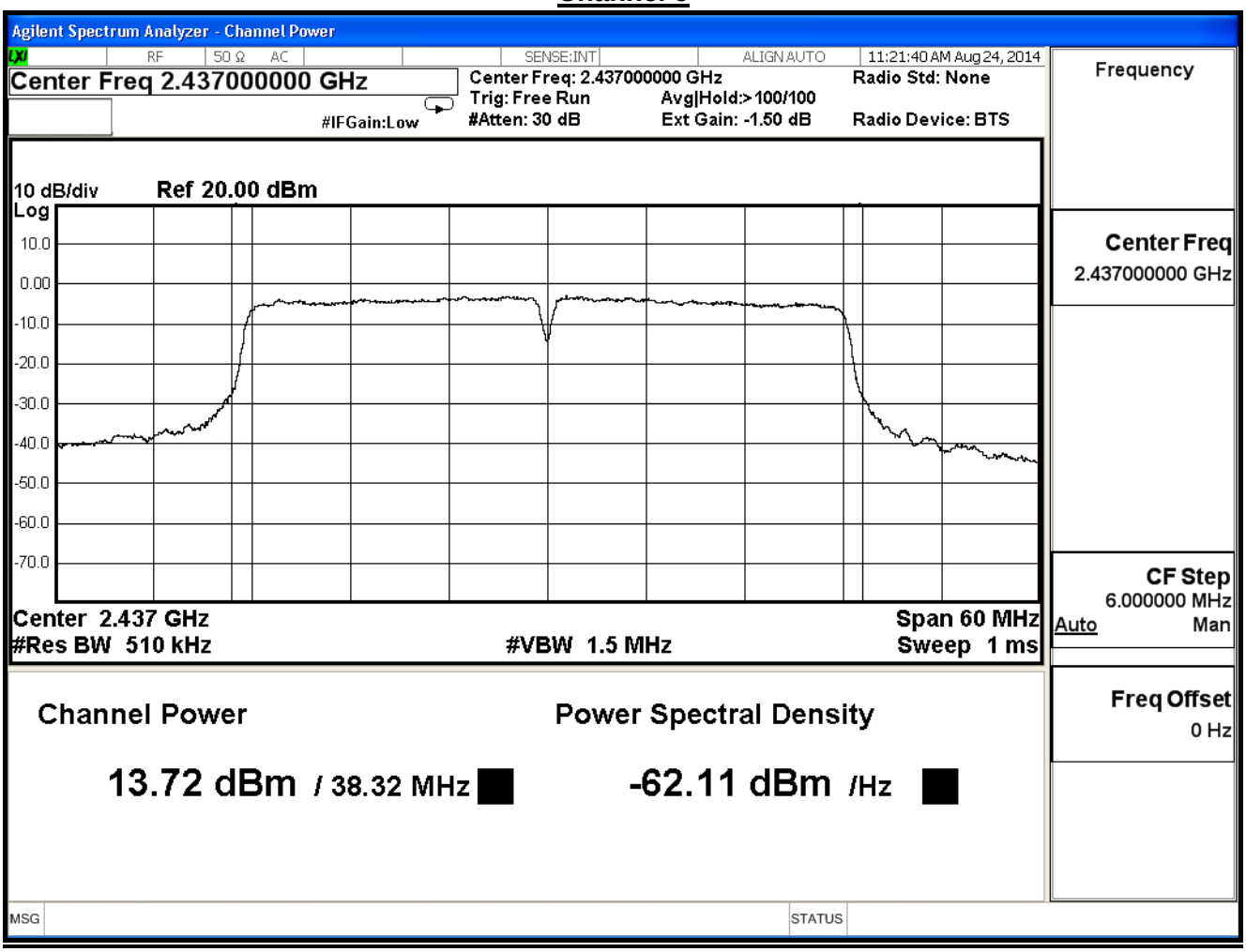
The worst emission of data rate is 27 Mbps.

Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		27	54	81	108	162	216	243	270	
3	2422	12.12	--	--	--	--	--	--	--	1Watt=30dBm
6	2437	13.72	13.62	13.52	13.39	13.29	13.05	12.93	12.69	1Watt=30dBm
9	2452	14.67	--	--	--	--	--	--	--	1Watt=30dBm

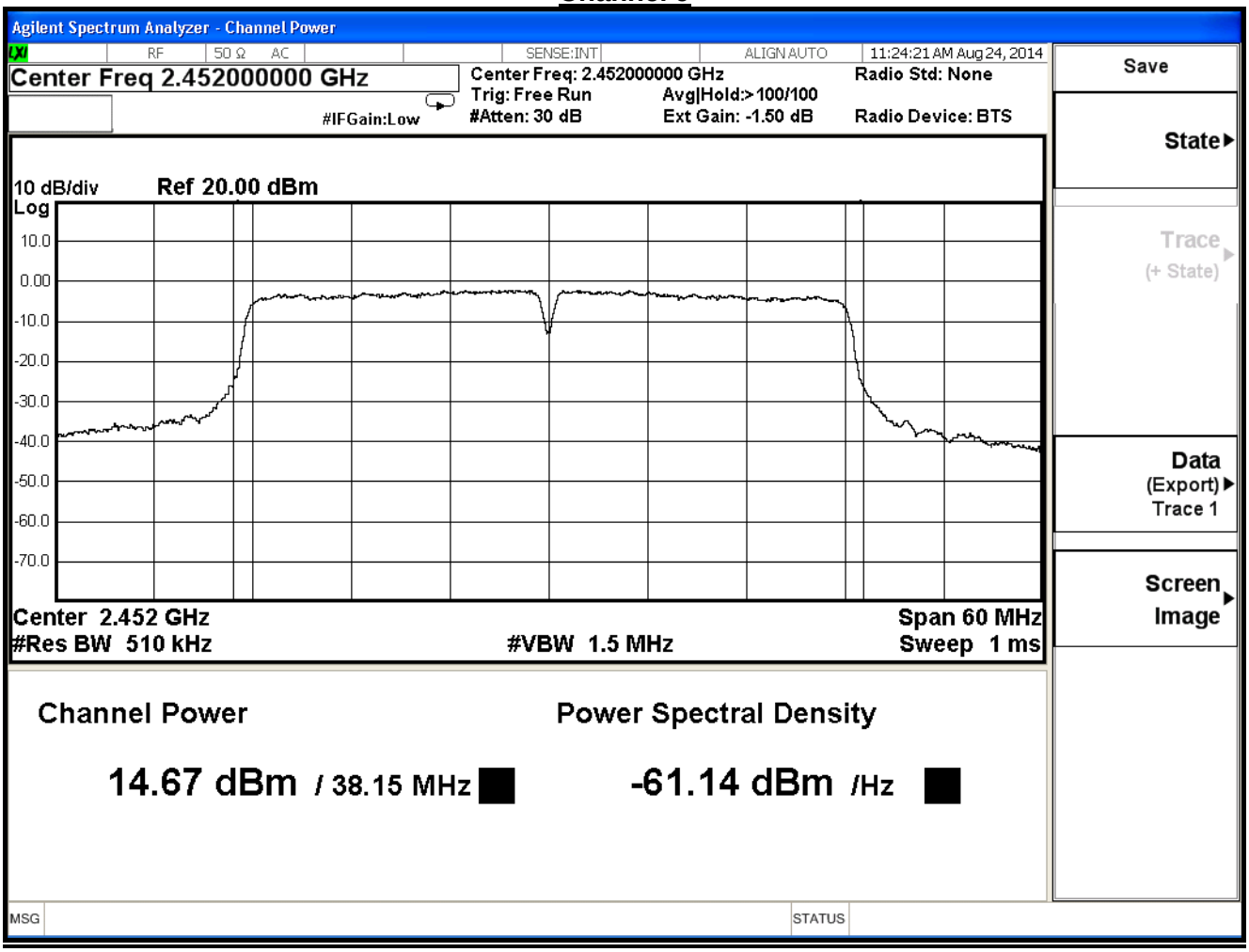
Channel 3


Agilent Spectrum Analyzer - Channel Power
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
09:46:06 AM Aug 24, 2014
Center Freq 2.422000000 GHz
Center Freq: 2.422000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 30 dB
Ext Gain: -1.50 dB
Radio Std: None
Radio Device: BTS
Frequency
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
Center Freq
2.422000000 GHz
Center 2.422 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 60 MHz
Sweep 1 ms
CF Step
6.000000 MHz
Auto
Man
Freq Offset
0 Hz
Channel Power
12.12 dBm / 38.21 MHz
Power Spectral Density
-63.71 dBm /Hz
MSG
STATUS

Channel 6


Agilent Spectrum Analyzer - Channel Power
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
11:21:40 AM Aug 24, 2014
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 30 dB
Ext Gain: -1.50 dB
Radio Std: None
Radio Device: BTS
10 dB/div
Ref 20.00 dBm
Log
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 60 MHz
Sweep 1 ms
Channel Power
13.72 dBm / 38.32 MHz
Power Spectral Density
-62.11 dBm /Hz
Frequency
Center Freq
2.437000000 GHz
CF Step
6.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

Channel 9


Agilent Spectrum Analyzer - Channel Power
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
11:24:21 AM Aug 24, 2014
Center Freq 2.452000000 GHz
Center Freq: 2.452000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 30 dB
Ext Gain: -1.50 dB
Radio Std: None
Radio Device: BTS
Save
State
Trace
(+ State)
Data
(Export)
Trace 1
Screen
Image
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
Center 2.452 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 60 MHz
Sweep 1 ms
Channel Power
14.67 dBm / 38.15 MHz
Power Spectral Density
-61.14 dBm /Hz
MSG
STATUS

Product	Dual-band Wireless-AC1300 USB Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 2: Transmit (MIMO Mode)		
Date of Test	2014/08/24	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	15.273	30	Pass
6	2437	16.735	30	Pass
9	2452	17.859	30	Pass

The worst emission of data rate is 27 Mbps.

Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		27	54	81	108	162	216	243	270	
3	2422	15.27	--	--	--	--	--	--	--	1Watt=30dBm
6	2437	16.74	16.64	16.53	16.37	16.27	16.09	15.90	15.66	1Watt=30dBm
9	2452	17.86	--	--	--	--	--	--	--	1Watt=30dBm

4. Radiated Emission

4.1. Test Equipment

The following test equipments are used during the test:

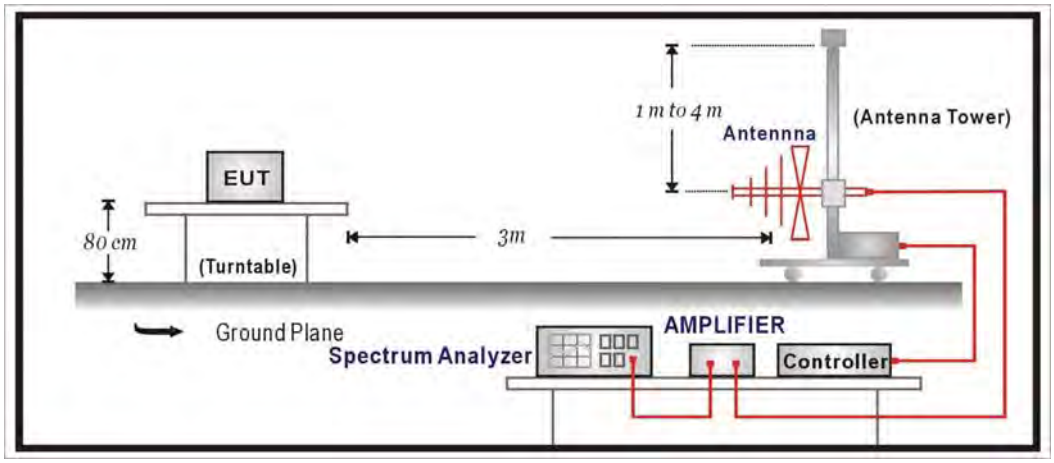
Radiated Emission / CB1

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

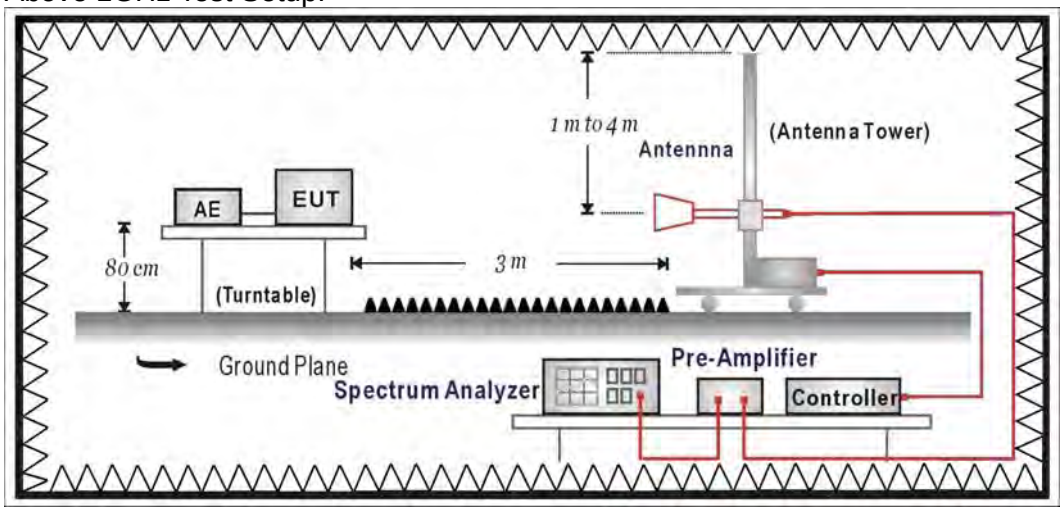
Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

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

4.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2013

4.6. Uncertainty

The measurement uncertainty

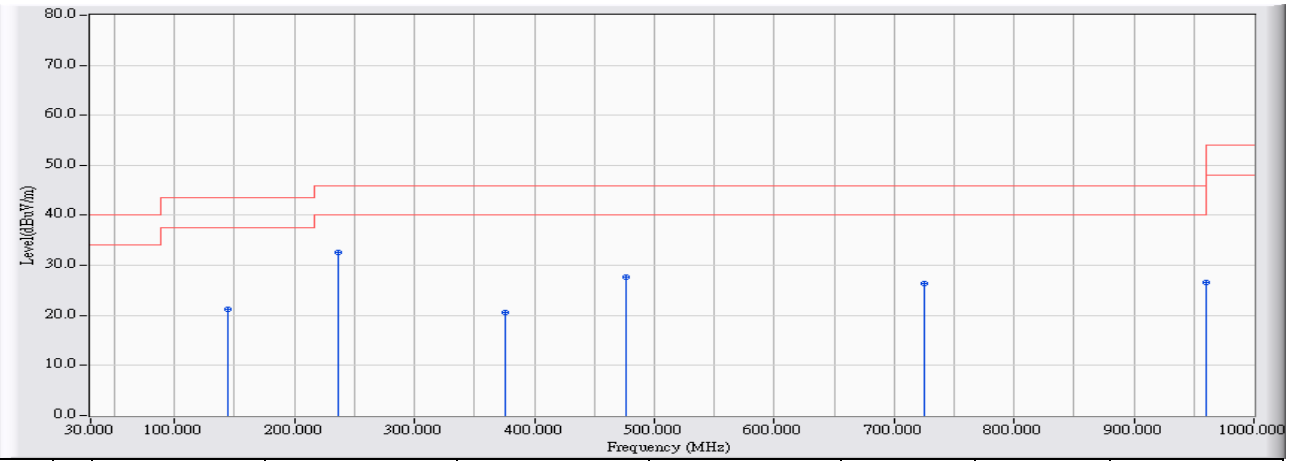
30MHz～1GHz as ±3.43dB

1GHz～26.5Ghz as ±3.65dB

4.7. Test Result

30MHz-1GHz Spurious

Site : CB1	**Time : 2014/08/09 - 09:03**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 1: Transmit (CDD Mode)** **802.11b_2437MHz**

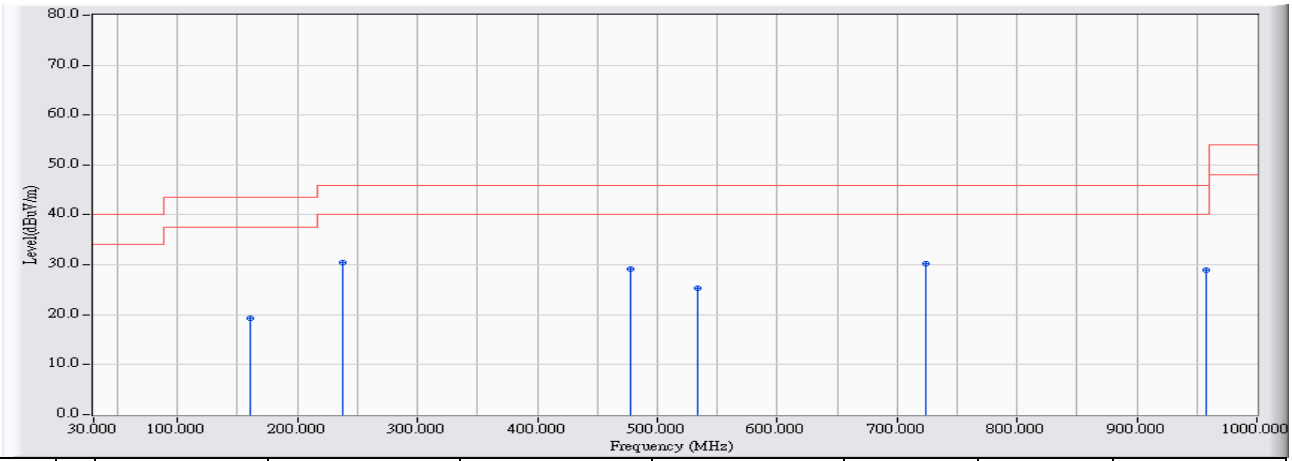


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		144.945	-23.177	44.401	21.225	-22.275	43.500	QUASIPEAK
2	*	236.610	-21.837	54.455	32.618	-13.382	46.000	QUASIPEAK
3		375.805	-17.991	38.622	20.631	-25.369	46.000	QUASIPEAK
4		476.685	-15.657	43.411	27.754	-18.246	46.000	QUASIPEAK
5		725.490	-12.419	38.726	26.308	-19.692	46.000	QUASIPEAK
6		959.745	-10.093	36.659	26.566	-19.434	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2014/08/09 - 09:06**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 1: Transmit (CDD Mode)** **802.11b_2437MHz**

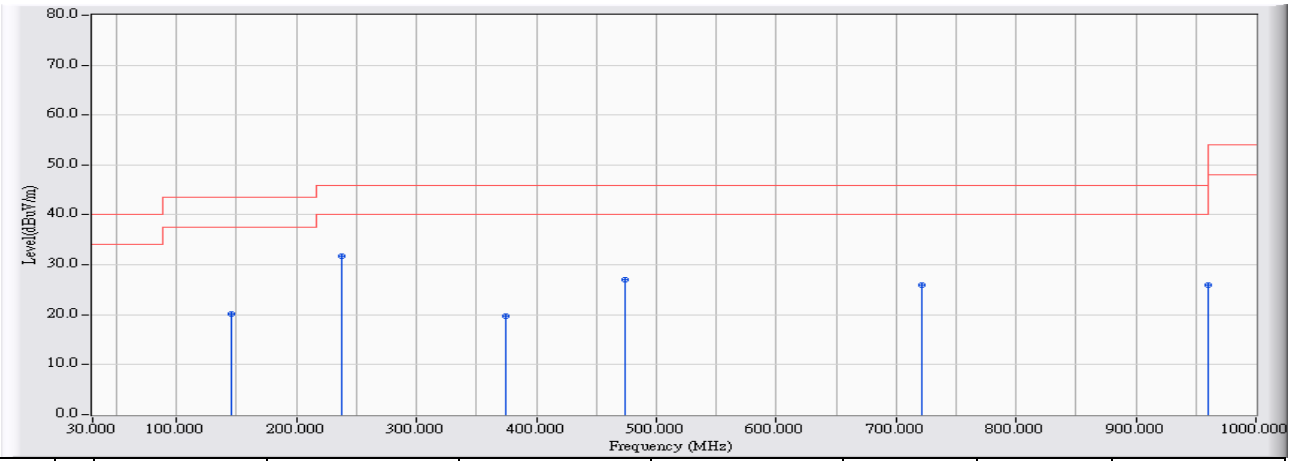


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		159.980	-23.870	43.267	19.397	-24.103	43.500	QUASIPEAK
2	*	238.065	-21.726	52.249	30.523	-15.477	46.000	QUASIPEAK
3		477.655	-15.638	44.753	29.116	-16.884	46.000	QUASIPEAK
4		533.430	-14.826	40.048	25.222	-20.778	46.000	QUASIPEAK
5		724.035	-12.409	42.594	30.185	-15.815	46.000	QUASIPEAK
6		957.805	-10.112	39.161	29.049	-16.951	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2014/08/09 - 09:09**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 1: Transmit (CDD Mode)** **802.11g_2437MHz**

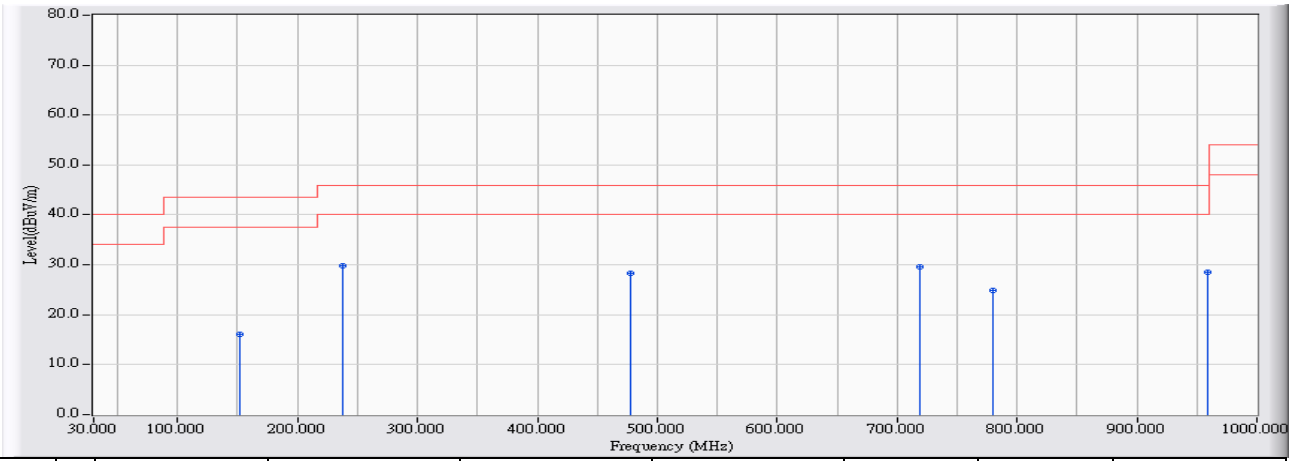


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		145.430	-23.201	43.439	20.238	-23.262	43.500	QUASIPEAK
2	*	237.580	-21.763	53.569	31.806	-14.194	46.000	QUASIPEAK
3		374.835	-18.018	37.787	19.769	-26.231	46.000	QUASIPEAK
4		474.260	-15.707	42.627	26.921	-19.079	46.000	QUASIPEAK
5		721.610	-12.394	38.392	25.998	-20.002	46.000	QUASIPEAK
6		960.715	-10.084	35.967	25.883	-28.117	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 : 2014/08/09 - 09:11**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 1: Transmit (CDD Mode)** **802.11g_2437MHz**

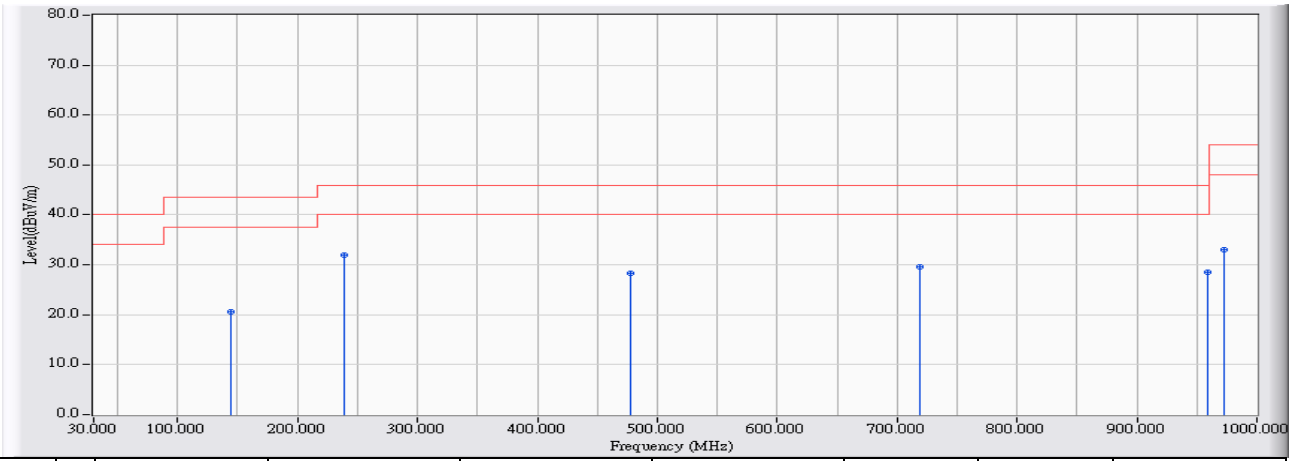


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		151.250	-23.484	39.554	16.070	-27.430	43.500	QUASIPEAK
2	*	237.580	-21.763	51.546	29.783	-16.217	46.000	QUASIPEAK
3		477.655	-15.638	43.963	28.326	-17.674	46.000	QUASIPEAK
4		719.185	-12.378	42.008	29.629	-16.371	46.000	QUASIPEAK
5		780.295	-11.977	36.764	24.787	-21.213	46.000	QUASIPEAK
6		958.775	-10.102	38.629	28.527	-17.473	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2014/08/09 - 09:14**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 2: Transmit (MIMO Mode) 802.11n(20M)_2437MHz**

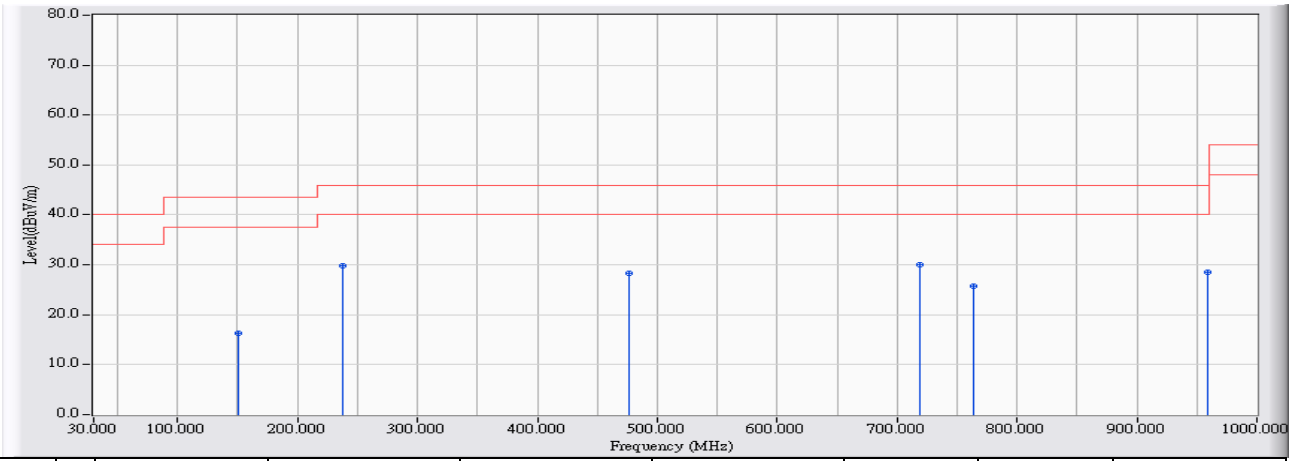


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		143.975	-23.128	43.812	20.684	-22.816	43.500	QUASIPEAK
2	*	239.035	-21.652	53.681	32.029	-13.971	46.000	QUASIPEAK
3		477.655	-15.638	43.963	28.326	-17.674	46.000	QUASIPEAK
4		719.185	-12.378	42.008	29.629	-16.371	46.000	QUASIPEAK
5		958.775	-10.102	38.629	28.527	-17.473	46.000	QUASIPEAK
6		972.355	-9.972	43.105	33.133	-20.867	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 : 2014/08/09 - 09:21**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 2: Transmit (MIMO Mode) 802.11n(20M)_2437MHz**

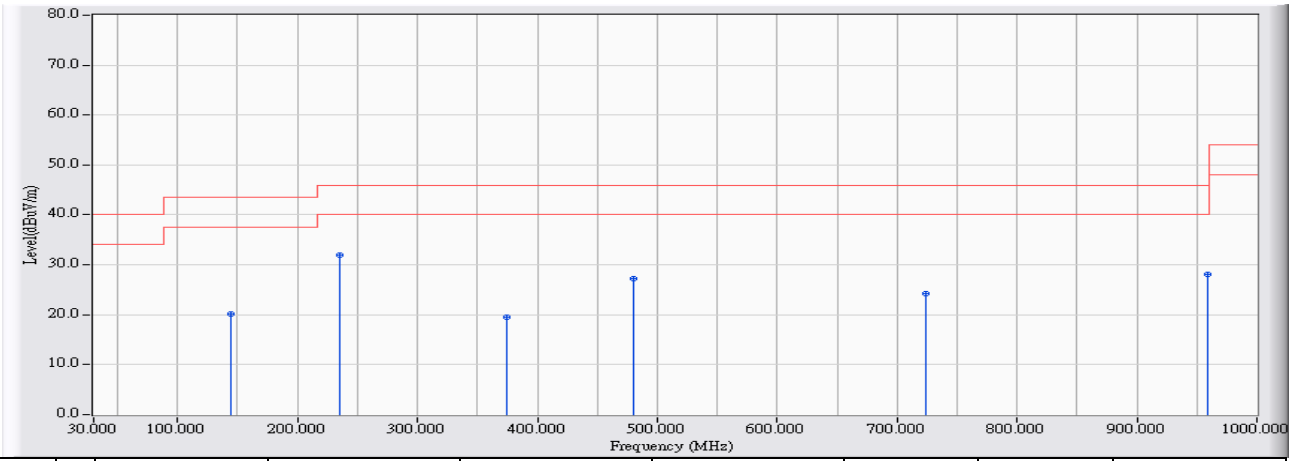


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		150.765	-23.463	39.695	16.232	-27.268	43.500	QUASIPEAK
2		237.580	-21.763	51.677	29.914	-16.086	46.000	QUASIPEAK
3		476.685	-15.657	43.882	28.225	-17.775	46.000	QUASIPEAK
4	*	719.185	-12.378	42.412	30.033	-15.967	46.000	QUASIPEAK
5		764.290	-12.291	37.925	25.633	-20.367	46.000	QUASIPEAK
6		959.260	-10.098	38.659	28.561	-17.439	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2014/08/09 - 09:22**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 2: Transmit (MIMO Mode) 802.11n(40M)_2437MHz**

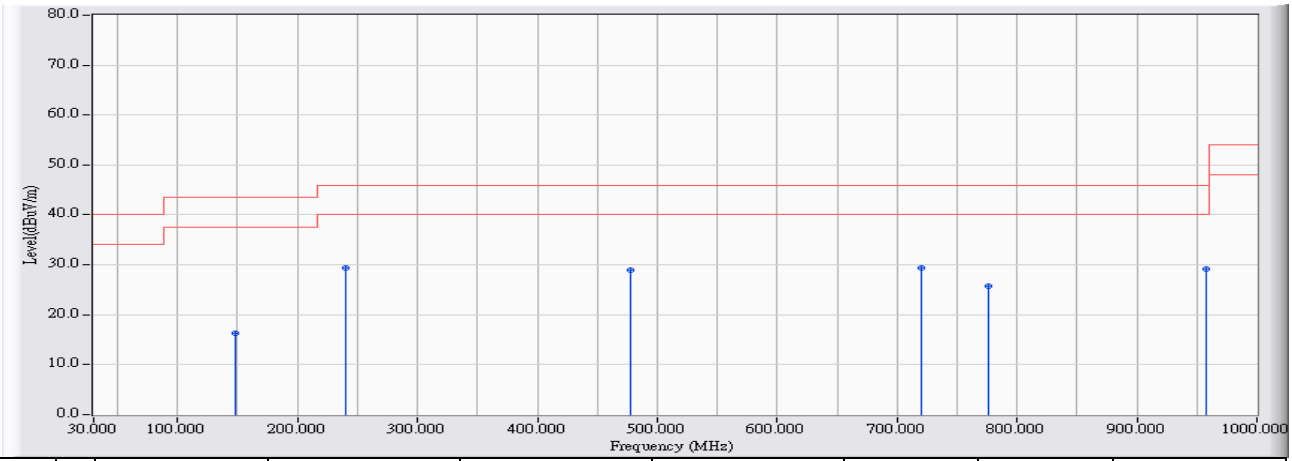


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		144.945	-23.177	43.420	20.244	-23.256	43.500	QUASIPEAK
2	*	235.640	-21.910	53.835	31.925	-14.075	46.000	QUASIPEAK
3		374.350	-18.030	37.655	19.624	-26.376	46.000	QUASIPEAK
4		479.595	-15.598	42.751	27.153	-18.847	46.000	QUASIPEAK
5		724.035	-12.409	36.606	24.197	-21.803	46.000	QUASIPEAK
6		958.775	-10.102	38.167	28.065	-17.935	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2014/08/09 - 09:26**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 2: Transmit (MIMO Mode) 802.11n(40M)_2437MHz**



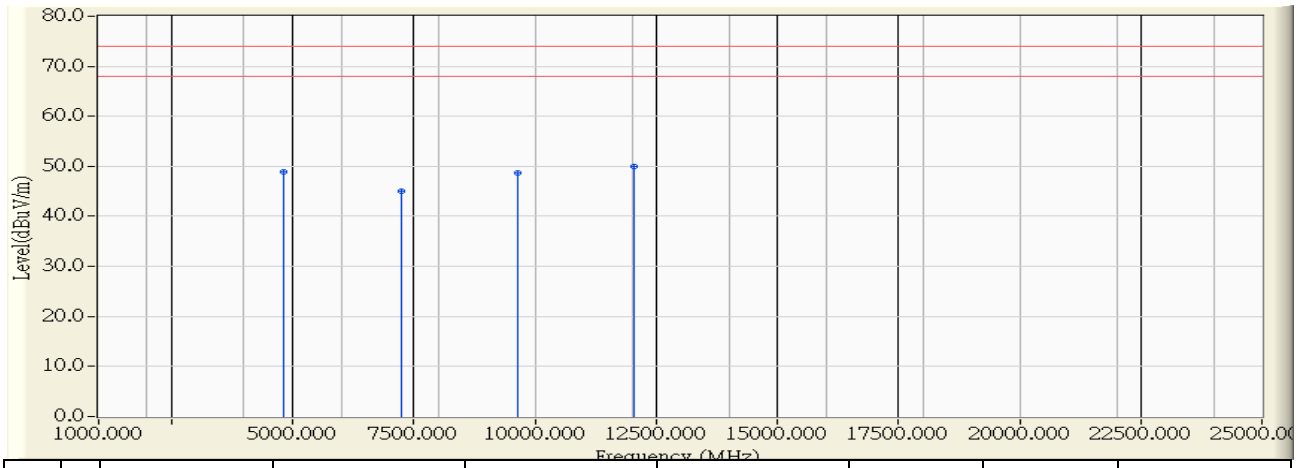
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		148.340	-23.347	39.649	16.303	-27.197	43.500	QUASIPEAK
2		240.005	-21.579	50.860	29.282	-16.718	46.000	QUASIPEAK
3		478.140	-15.628	44.478	28.851	-17.149	46.000	QUASIPEAK
4	*	719.670	-12.382	41.847	29.465	-16.535	46.000	QUASIPEAK
5		775.930	-12.063	37.792	25.729	-20.271	46.000	QUASIPEAK
6		957.805	-10.112	39.243	29.131	-16.869	46.000	QUASIPEAK

Note:

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

Above 1GHz Spurious

Site : CB1	**Time : 2014/08/15 - 00:11**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 1: Transmit (CDD Mode)_802.11b_2412MHz**

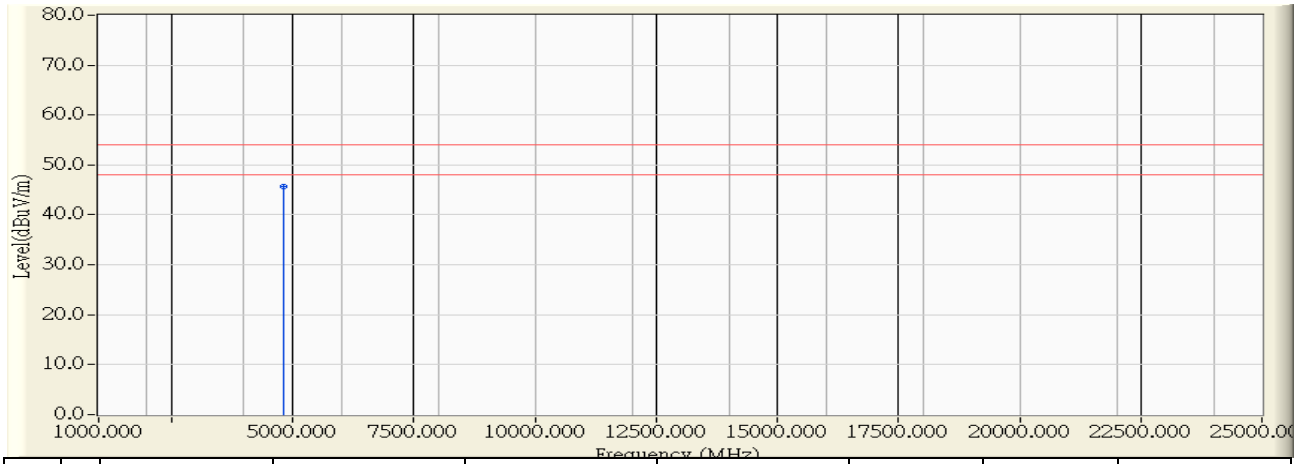


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4823.850	-0.534	49.500	48.966	-25.034	74.000	PEAK
2		7237.590	5.522	39.470	44.992	-29.008	74.000	PEAK
3		9644.490	9.423	39.190	48.613	-25.387	74.000	PEAK
4	*	12052.010	11.104	38.900	50.003	-23.997	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/08/15 - 00:11**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 1: Transmit (CDD Mode)_802.11b_2412MHz**

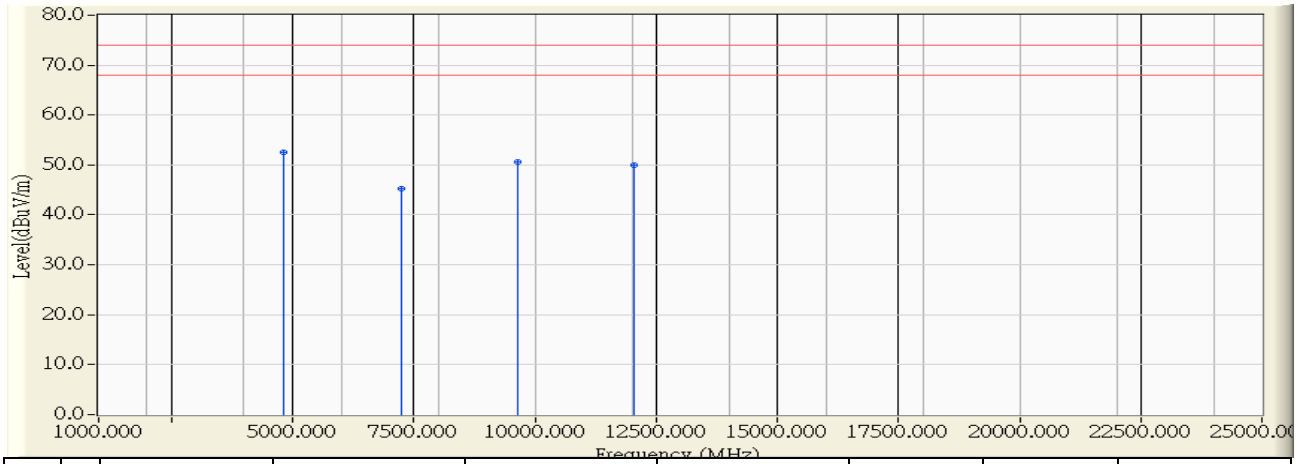


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4823.940	-0.534	46.200	45.666	-8.334	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/08/15 - 00:25**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 1: Transmit (CDD Mode)_802.11b_2412MHz**

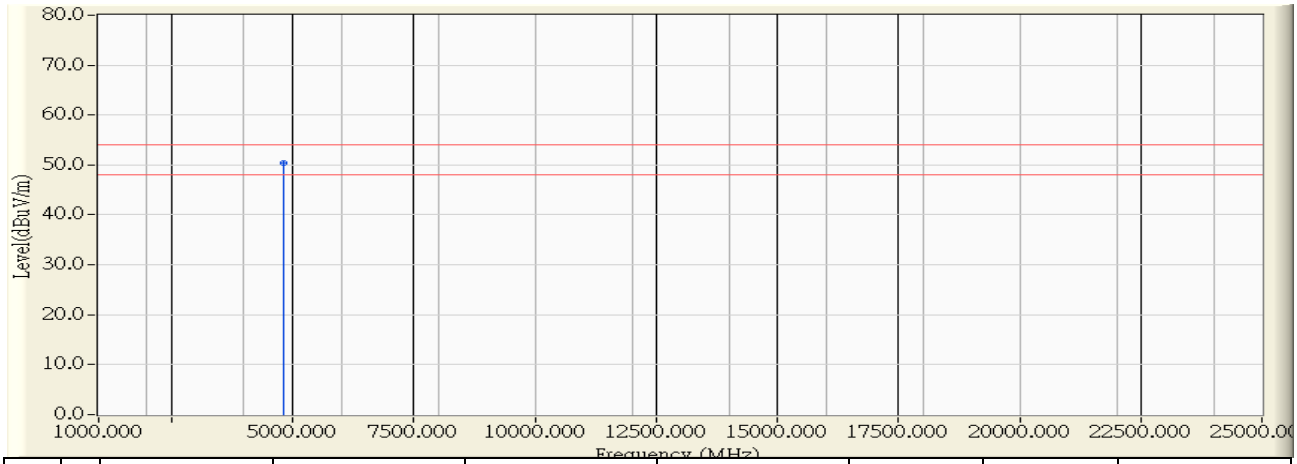


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4823.920	-0.534	53.030	52.496	-21.504	74.000	PEAK
2		7242.420	5.533	39.780	45.313	-28.687	74.000	PEAK
3		9647.860	9.445	41.090	50.535	-23.465	74.000	PEAK
4		12052.010	11.104	38.900	50.003	-23.997	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/08/15 - 00:25**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 1: Transmit (CDD Mode)_802.11b_2412MHz**

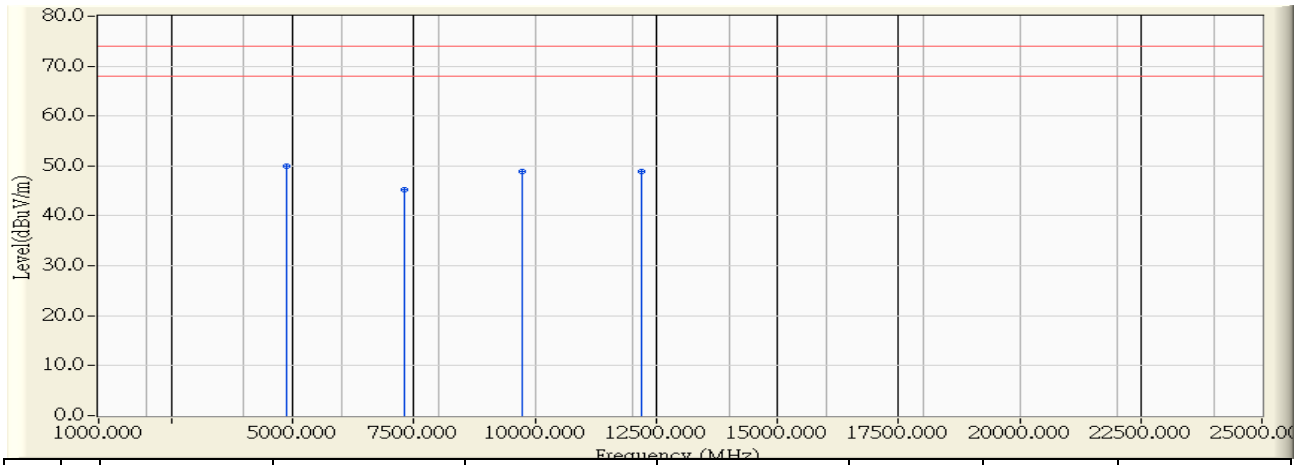


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4823.920	-0.534	50.930	50.396	-3.604	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/08/15 - 00:39**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 1: Transmit (CDD Mode)_802.11b_2437MHz**

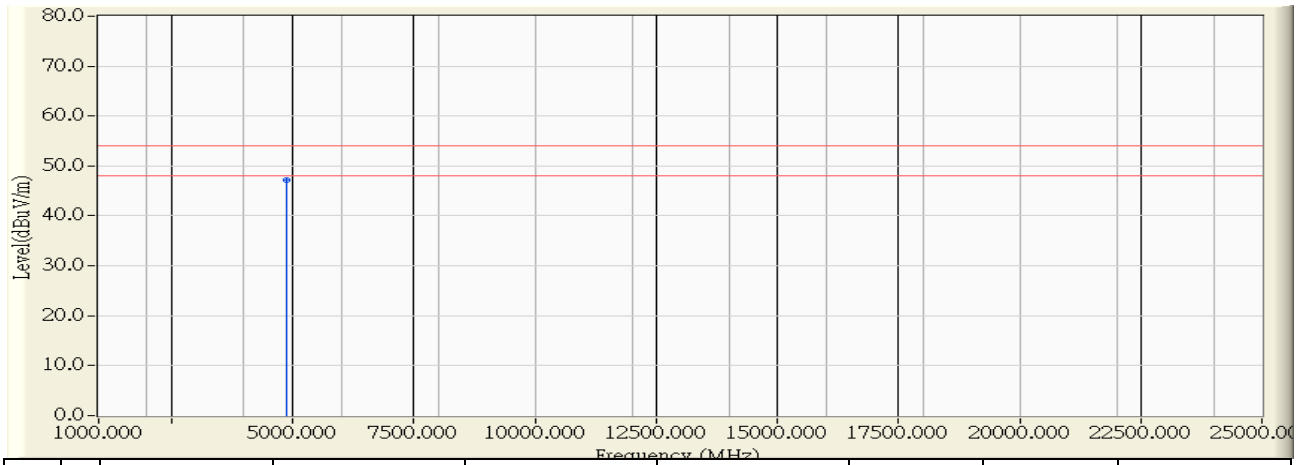


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4873.880	-0.412	50.420	50.008	-23.992	74.000	PEAK
2		7311.930	5.683	39.600	45.283	-28.717	74.000	PEAK
3		9751.630	10.117	38.690	48.807	-25.193	74.000	PEAK
4		12190.320	11.040	37.890	48.930	-25.070	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/08/15 - 00:40**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 1: Transmit (CDD Mode)_802.11 b_2437MHz**

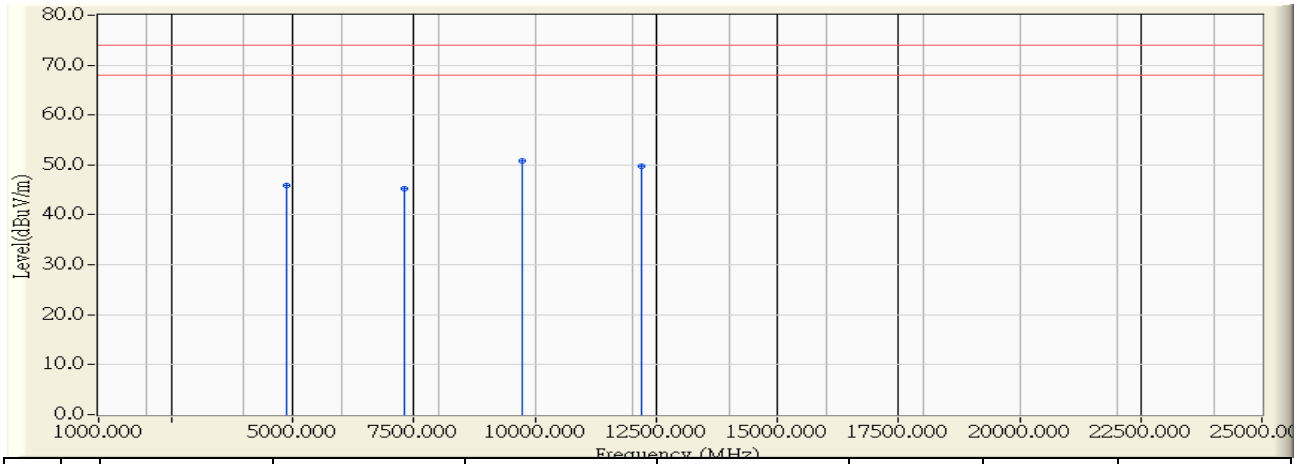


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4873.880	-0.412	47.600	47.188	-6.812	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/08/15 - 00:51**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 1: Transmit (CDD Mode)_802.11b_2437MHz**

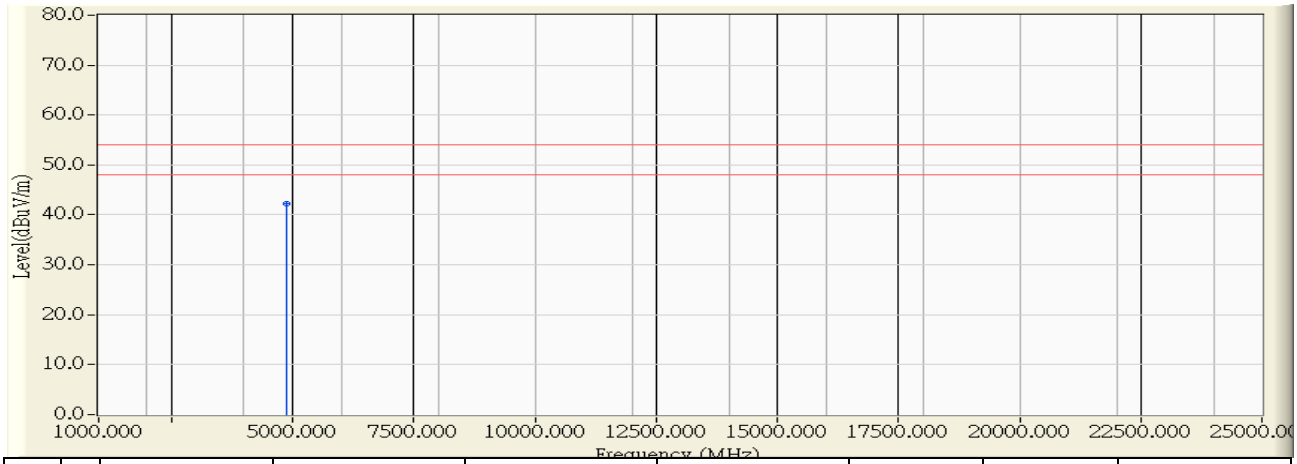


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4873.870	-0.412	46.310	45.898	-28.102	74.000	PEAK
2		7309.420	5.677	39.600	45.278	-28.722	74.000	PEAK
3	*	9747.660	10.092	40.680	50.771	-23.229	74.000	PEAK
4		12194.420	11.039	38.800	49.839	-24.161	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/08/15 - 00:51**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 1: Transmit (CDD Mode)_802.11b_2437MHz**

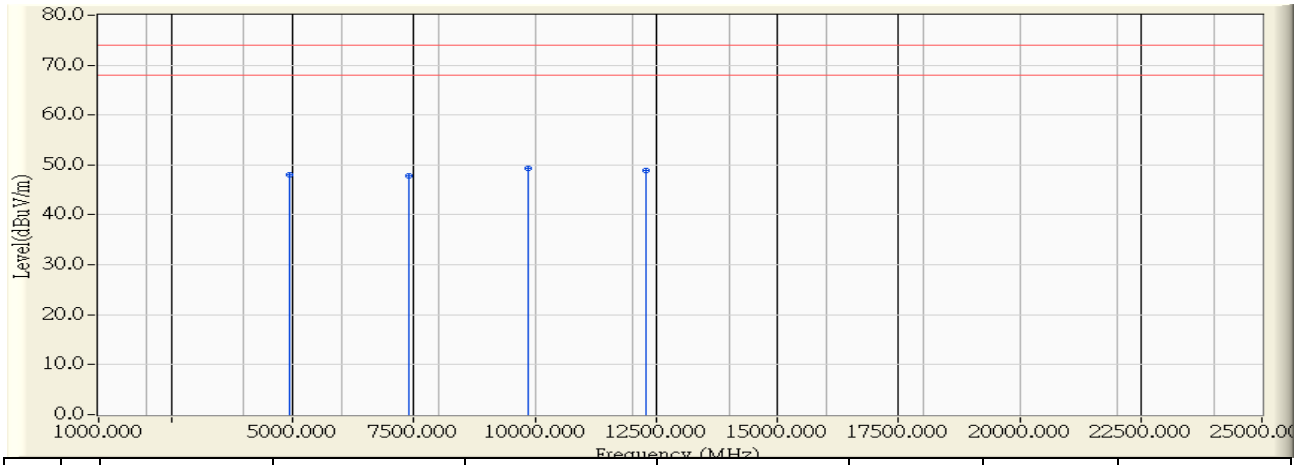


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4873.940	-0.412	42.660	42.248	-11.752	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/06/25 - 03:07**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_0623_Ant3 - HORIZONTAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 1: Transmit (CDD Mode)_802.11 b_2462MHz**

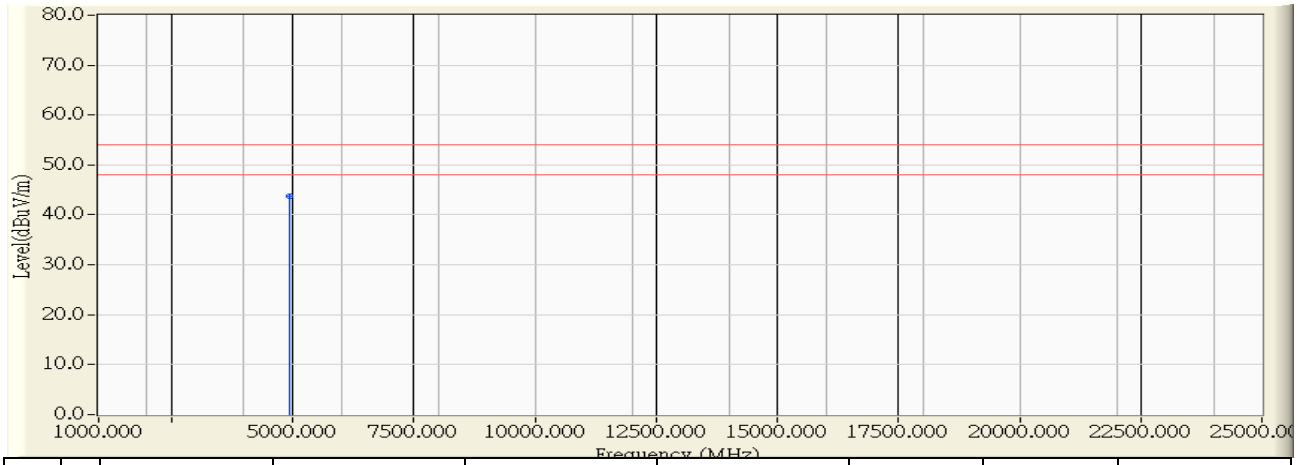


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4924.120	-2.048	50.110	48.062	-25.938	74.000	PEAK
2		7388.300	5.549	42.240	47.788	-26.212	74.000	PEAK
3	*	9848.000	10.235	39.140	49.375	-24.625	74.000	PEAK
4		12297.560	9.459	39.400	48.860	-25.140	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/25 - 03:13**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_0623_Ant3 - HORIZONTAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 1: Transmit (CDD Mode)_802.11b_2462MHz**

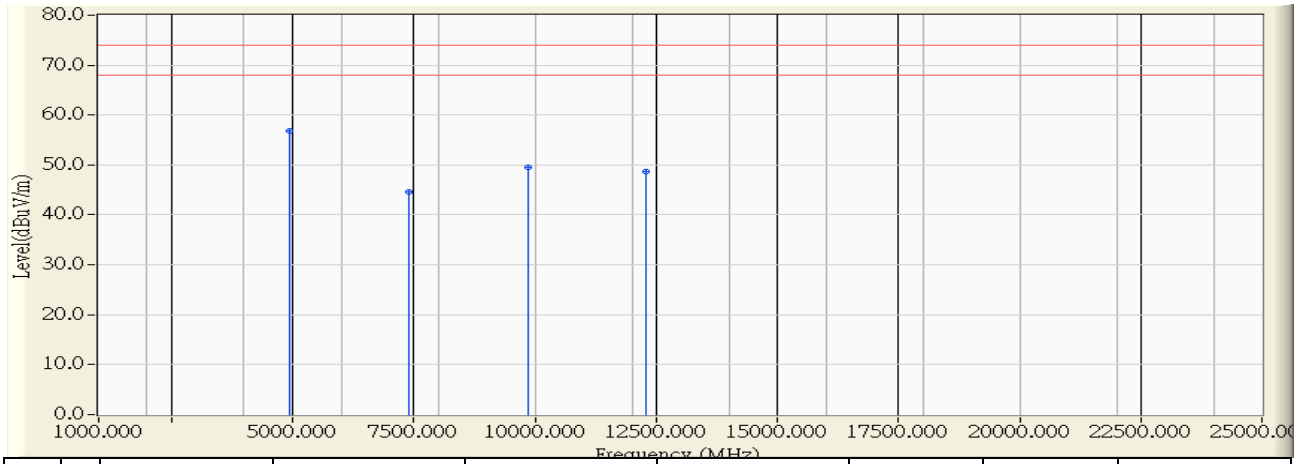


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4924.100	-2.048	45.870	43.822	-10.178	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/06/25 - 02:18**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_0623_Ant3 - VERTICAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 1: Transmit (CDD Mode)_802.11b_2462MHz**

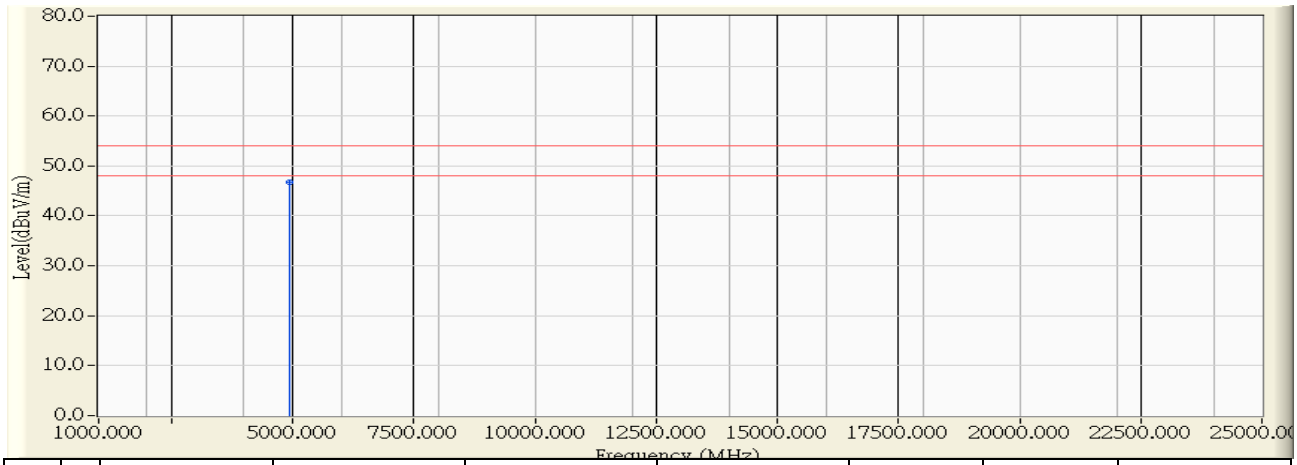


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4924.000	-2.048	58.810	56.762	-17.238	74.000	PEAK
2		7387.480	5.547	39.170	44.717	-29.283	74.000	PEAK
3		9847.780	10.234	39.340	49.574	-24.426	74.000	PEAK
4		12304.460	9.450	39.220	48.670	-25.330	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/25 - 02:22**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_0623_Ant3 - VERTICAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 1: Transmit (CDD Mode)_802.11b_2462MHz**

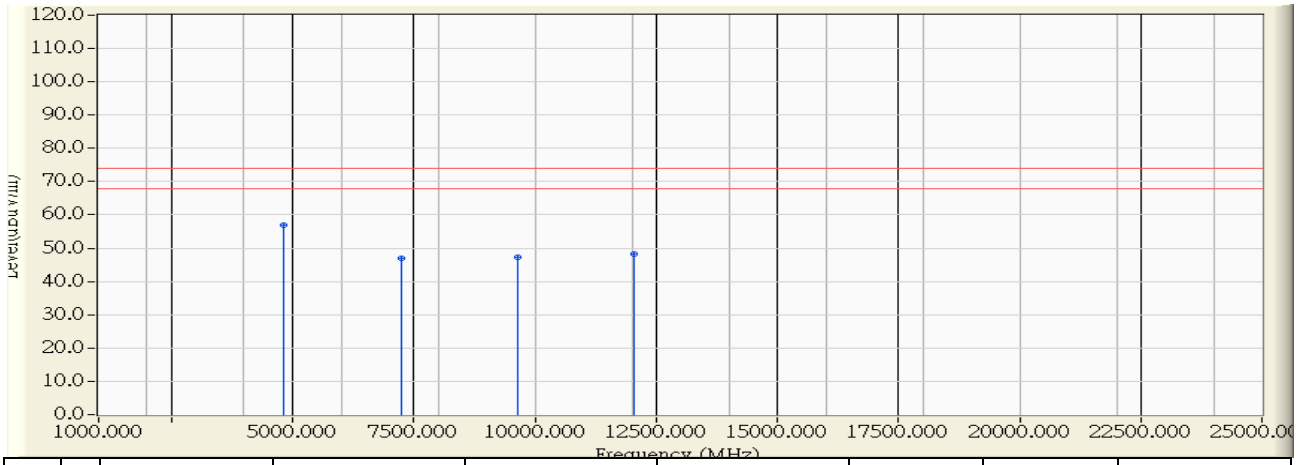


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4924.000	-2.048	48.715	46.667	-7.333	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/06/24 - 10:55**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_0623_Ant3 - HORIZONTAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 1: Transmit (CDD Mode)_802.11g_2412MHz**

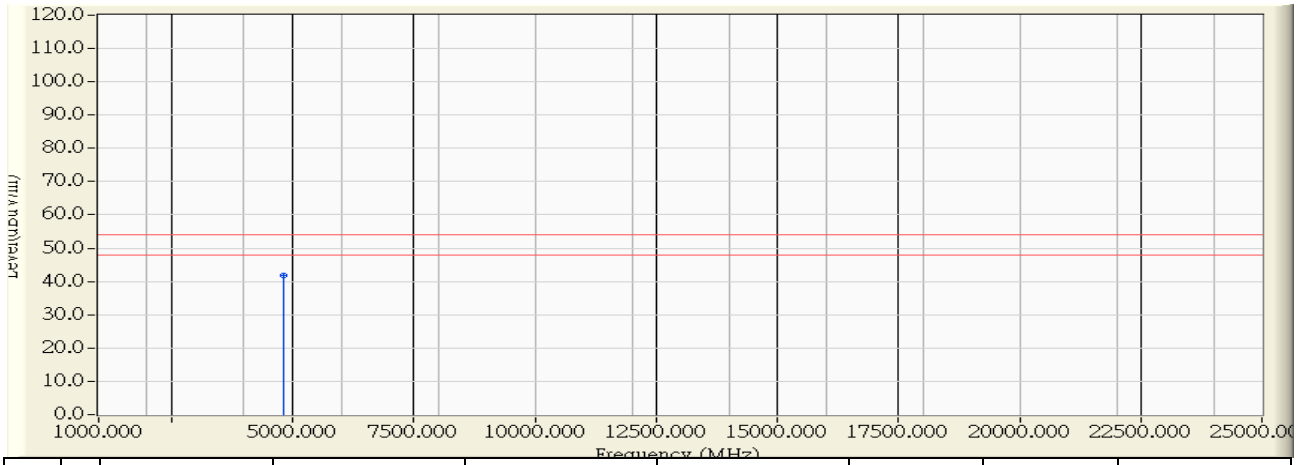


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4824.700	-2.190	59.060	56.869	-17.131	74.000	PEAK
2		7231.360	5.209	41.910	47.119	-26.881	74.000	PEAK
3		9641.400	9.063	38.260	47.323	-26.677	74.000	PEAK
4		12047.640	9.823	38.430	48.254	-25.746	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/24 - 10:59**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_0623_Ant3 - HORIZONTAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 1: Transmit (CDD Mode)_802.11g_2412MHz**

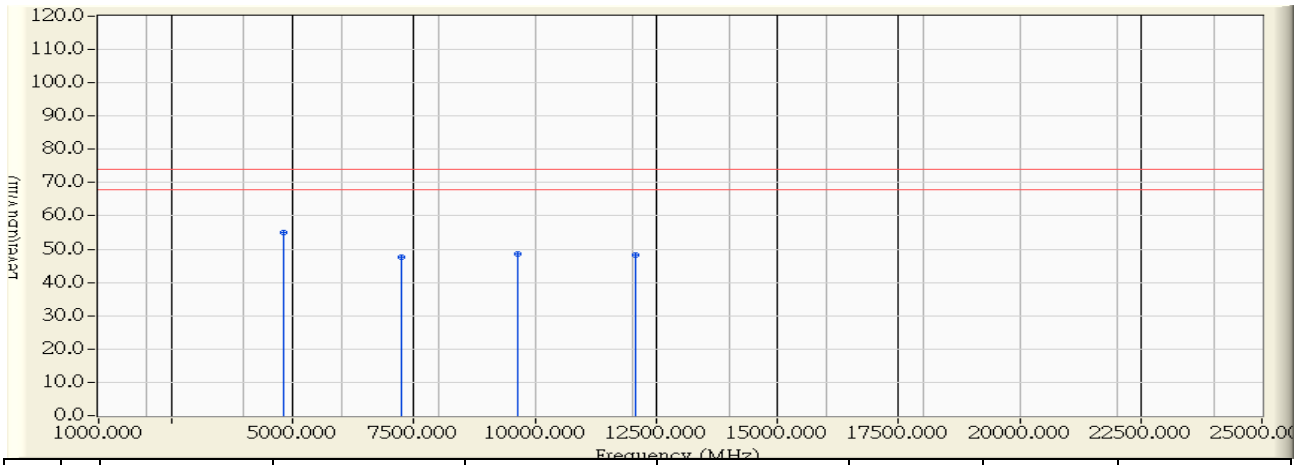


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4824.700	-2.190	43.930	41.739	-12.261	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/06/24 - 11:15**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_0623_Ant3 - VERTICAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 1: Transmit (CDD Mode)_802.11g_2412MHz**

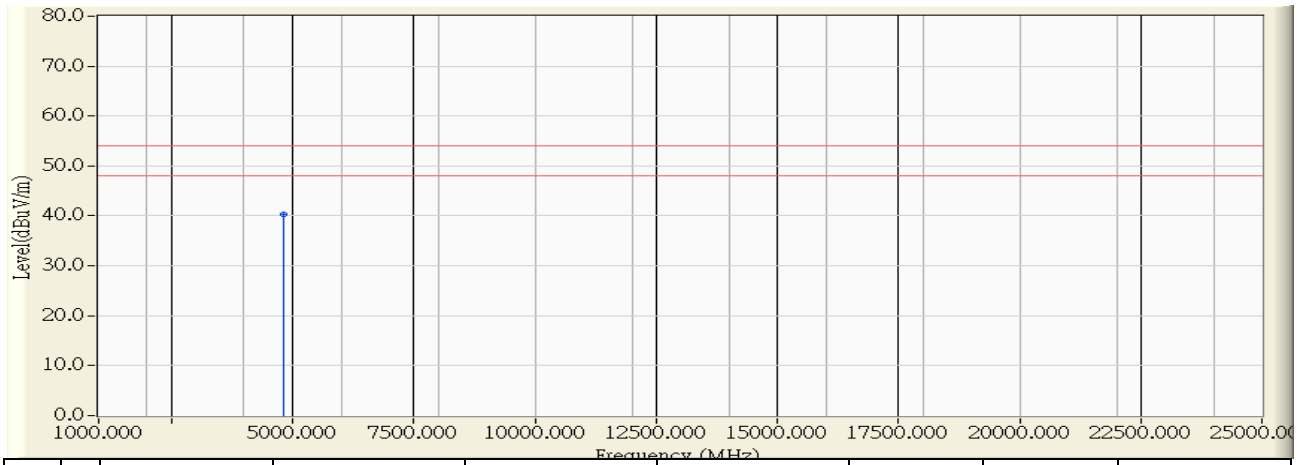


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4824.680	-2.190	57.310	55.119	-18.881	74.000	PEAK
2		7233.920	5.214	42.290	47.504	-26.496	74.000	PEAK
3		9647.840	9.100	39.370	48.469	-25.531	74.000	PEAK
4		12073.140	9.787	38.390	48.177	-25.823	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/24 - 11:16**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_0623_Ant3 - VERTICAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 1: Transmit (CDD Mode)_802.11g_2412MHz**

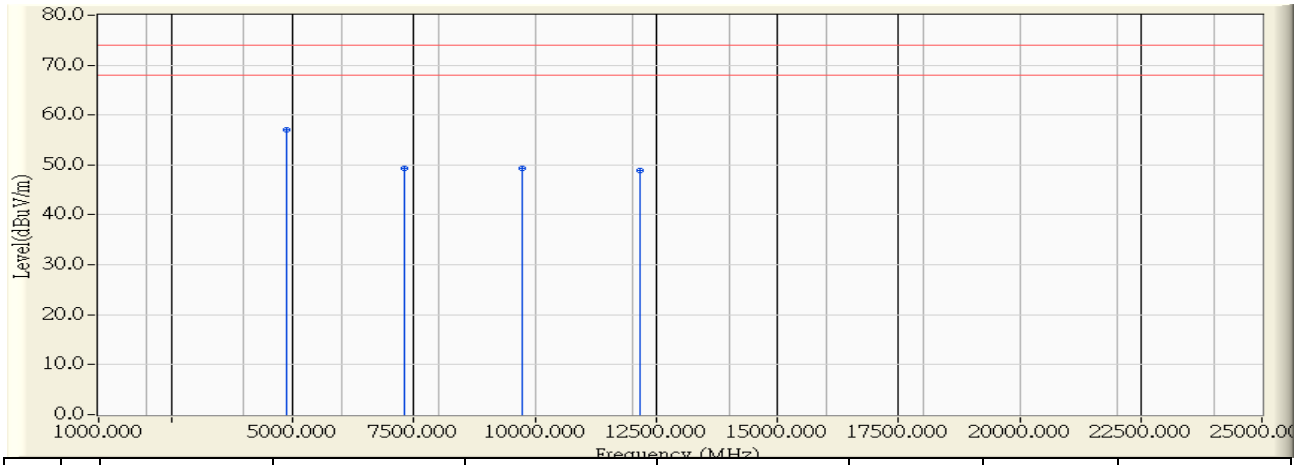


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4825.060	32.338	42.540	40.350	-13.650	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/06/25 - 01:09**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_0623_Ant3 - HORIZONTAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 1: Transmit (CDD Mode)_802.11g_2437MHz**

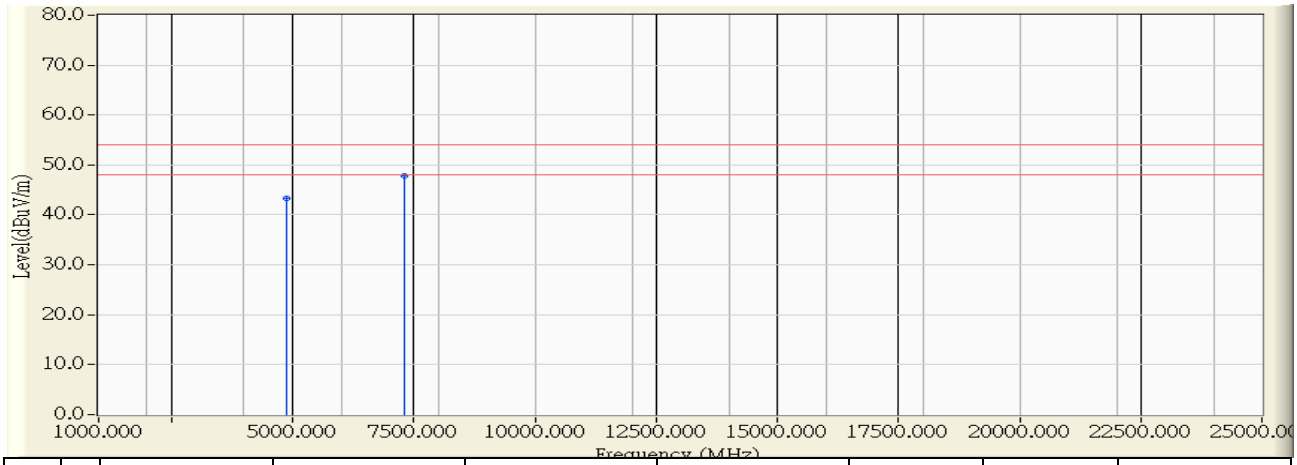


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4875.540	-2.117	59.240	57.123	-16.877	74.000	PEAK
2		7315.360	5.391	43.960	49.350	-24.650	74.000	PEAK
3		9741.540	9.631	39.650	49.281	-24.719	74.000	PEAK
4		12178.100	9.634	39.260	48.894	-25.106	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/25 - 01:09**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_0623_Ant3 - HORIZONTAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 1: Transmit (CDD Mode)_802.11g_2437MHz**

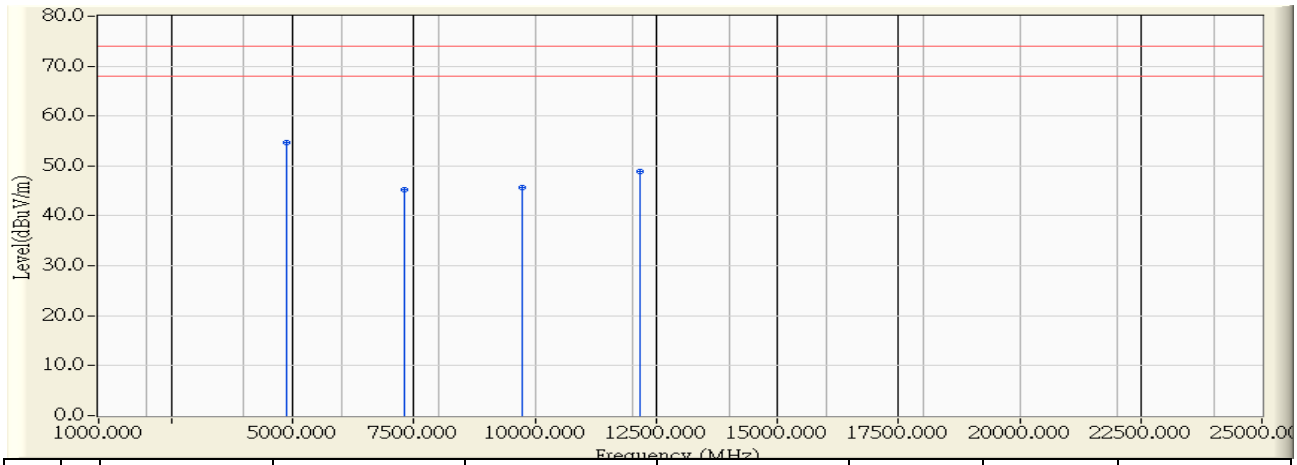


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.240	-2.119	45.450	43.331	-10.669	54.000	AVERAGE
2	*	7309.000	5.376	42.370	47.747	-6.253	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/06/25 - 00:32**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_0623_Ant3 - VERTICAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 1: Transmit (CDD Mode)_802.11g_2437MHz**

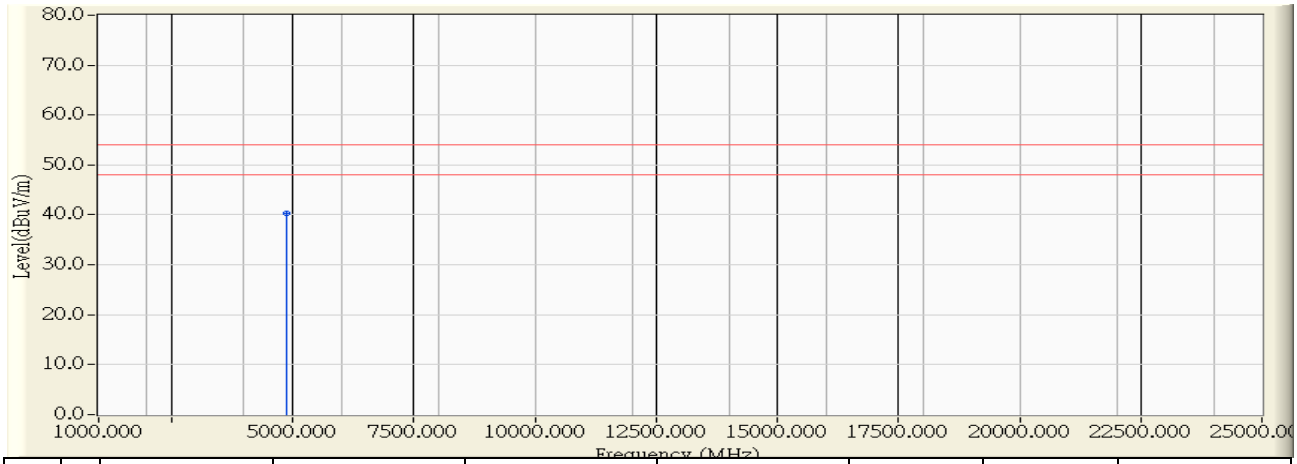


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4875.320	-2.118	56.850	54.732	-19.268	74.000	PEAK
2		7295.460	5.347	39.930	45.277	-28.723	74.000	PEAK
3		9731.460	9.573	36.120	45.694	-28.306	74.000	PEAK
4		12177.760	9.634	39.160	48.794	-25.206	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/25 - 00:35**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_0623_Ant3 - VERTICAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 1: Transmit (CDD Mode)_802.11g_2437MHz**

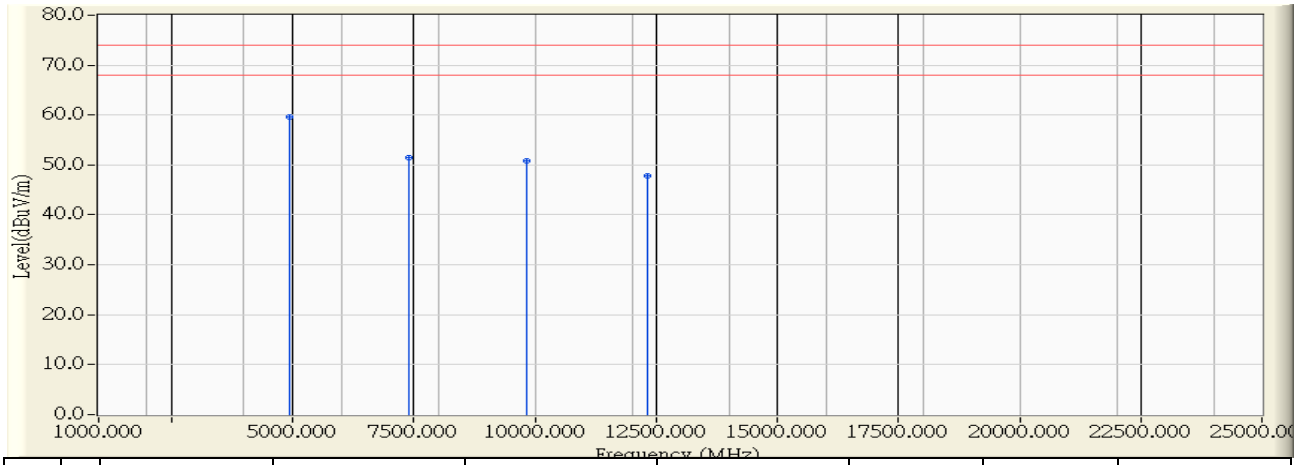


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4873.360	-2.121	42.410	40.289	-13.711	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/06/25 - 04:12**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_0623_Ant3 - HORIZONTAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 1: Transmit (CDD Mode)_802.11g_2462MHz**

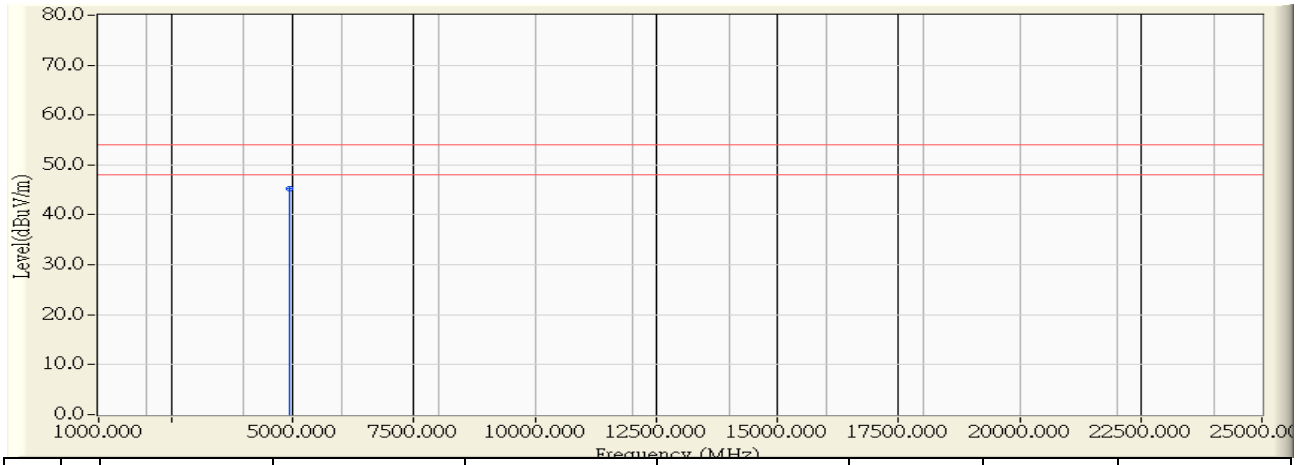


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4923.960	-2.048	61.730	59.682	-14.318	74.000	PEAK
2		7385.180	5.541	45.930	51.472	-22.528	74.000	PEAK
3		9839.700	10.187	40.720	50.908	-23.092	74.000	PEAK
4		12321.440	9.425	38.430	47.855	-26.145	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/25 - 04:13**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_0623_Ant3 - HORIZONTAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 1: Transmit (CDD Mode)_802.11g_2462MHz**

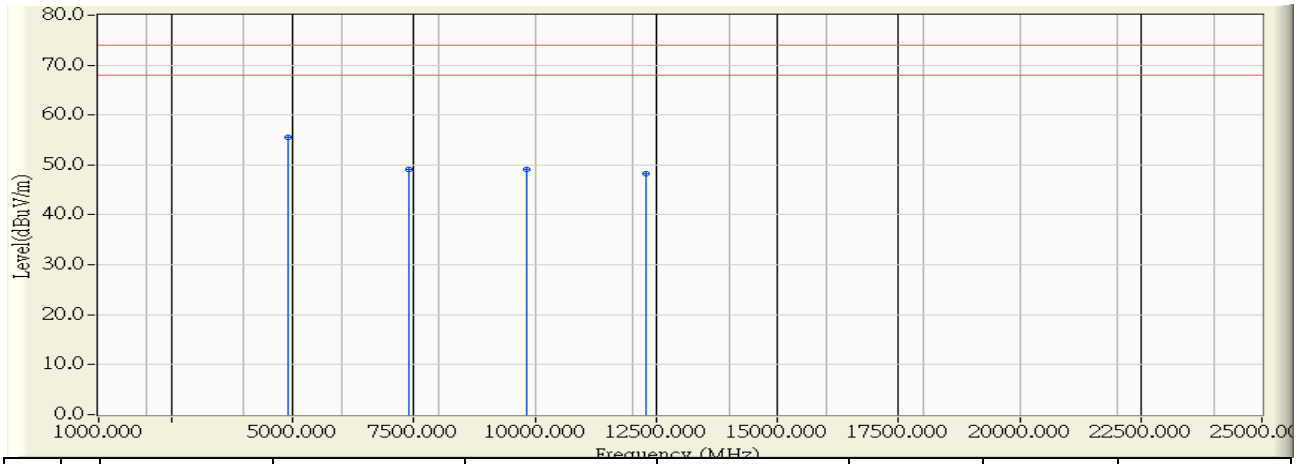


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4923.960	-2.048	47.310	45.262	-8.738	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/06/25 - 03:33**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_0623_Ant3 - VERTICAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 1: Transmit (CDD Mode)_802.11g_2462MHz**

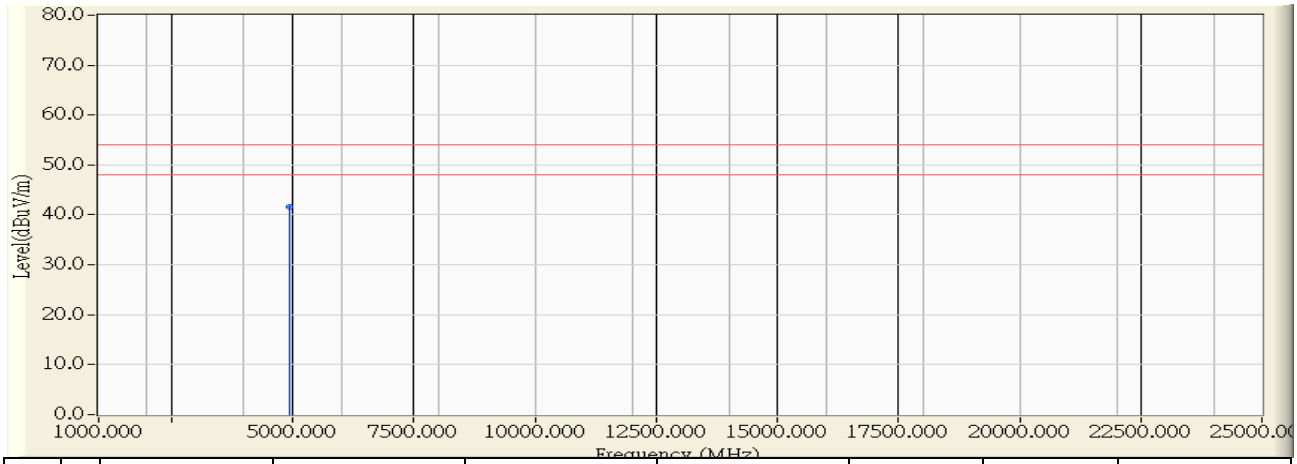


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4919.100	-2.055	57.580	55.525	-18.475	74.000	PEAK
2		7389.740	5.551	43.540	49.091	-24.909	74.000	PEAK
3		9843.060	10.208	38.960	49.167	-24.833	74.000	PEAK
4		12303.160	9.452	38.840	48.292	-25.708	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/25 - 03:41**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_0623_Ant3 - VERTICAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 1: Transmit (CDD Mode)_802.11g_2462MHz**

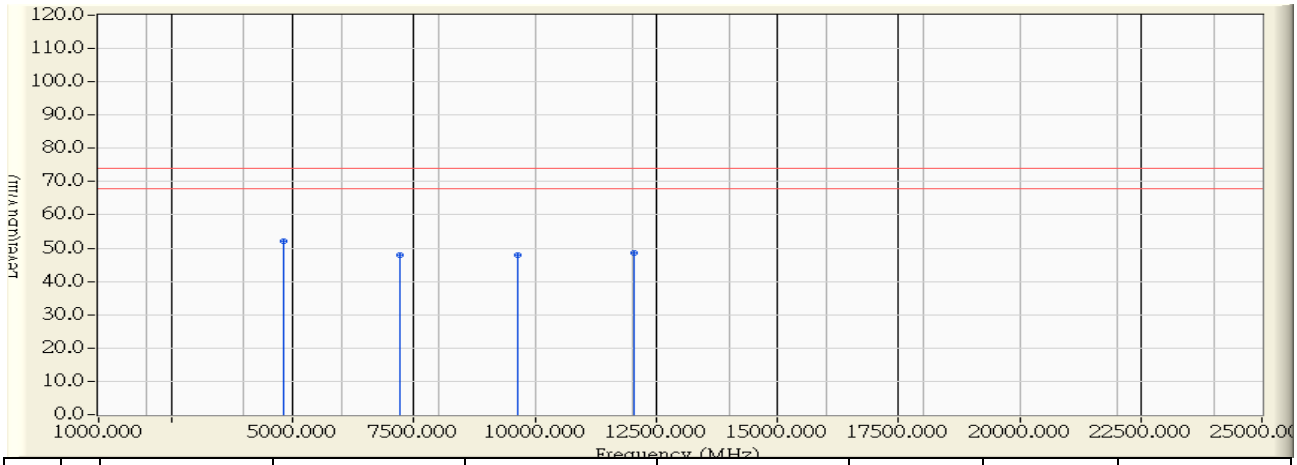


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4923.360	-2.049	43.685	41.636	-12.364	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/06/24 - 11:33**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_0623_Ant3 - HORIZONTAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 2: Transmit (MIMO Mode)_802.11n(20M)_2412MHz**

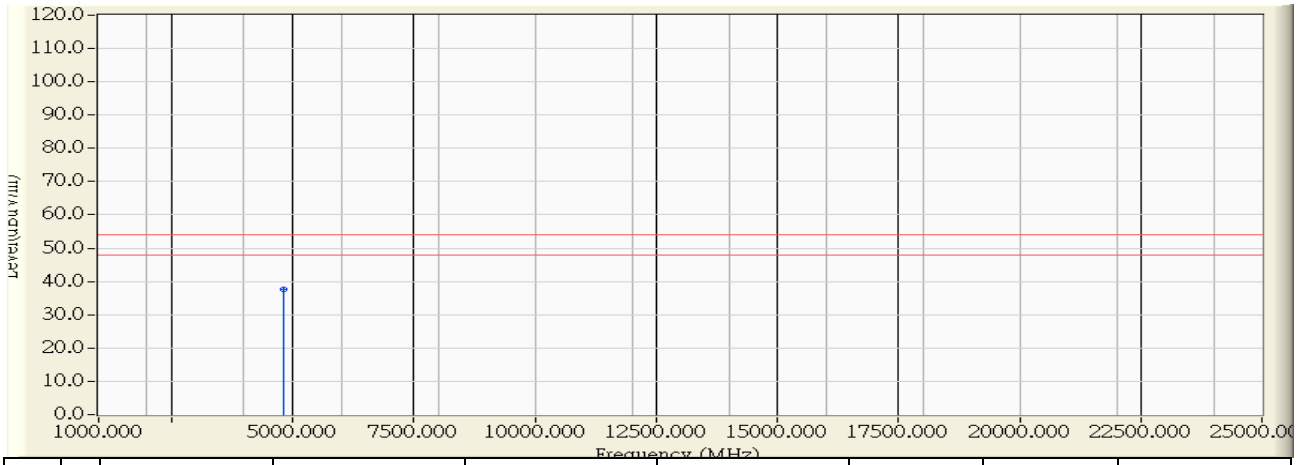


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4824.380	-2.190	54.400	52.209	-21.791	74.000	PEAK
2		7224.760	5.195	42.830	48.024	-25.976	74.000	PEAK
3		9636.720	9.036	38.870	47.906	-26.094	74.000	PEAK
4		12051.680	9.818	38.900	48.718	-25.282	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/24 - 11:37**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_0623_Ant3 - HORIZONTAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 2: Transmit (MIMO Mode)_802.11n(20M)_2412MHz**

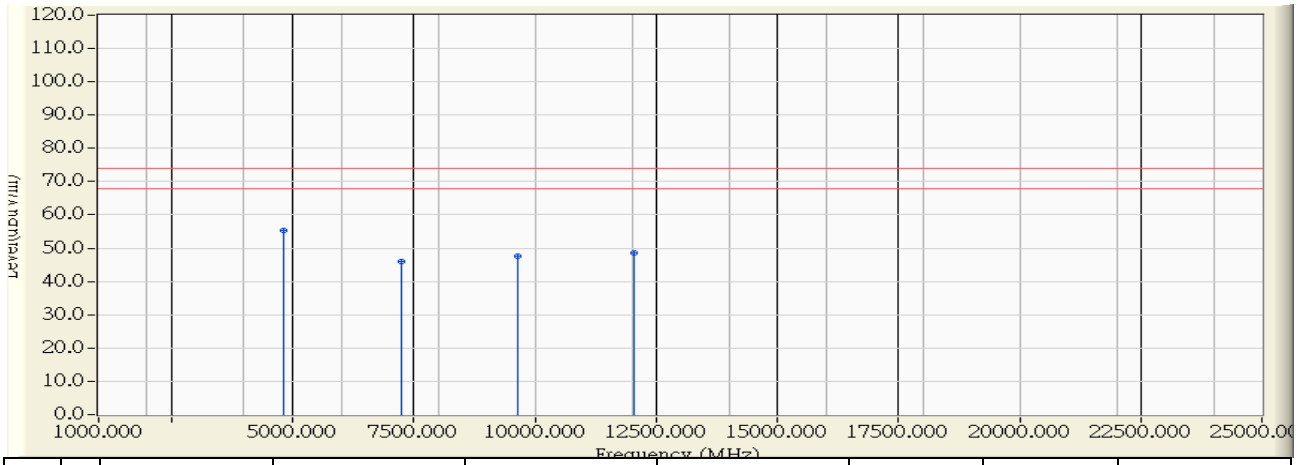


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4824.980	-2.190	39.810	37.620	-16.380	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/06/24 - 11:47**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_0623_Ant3 - VERTICAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 2: Transmit (MIMO Mode)_802.11n(20M)_2412MHz**

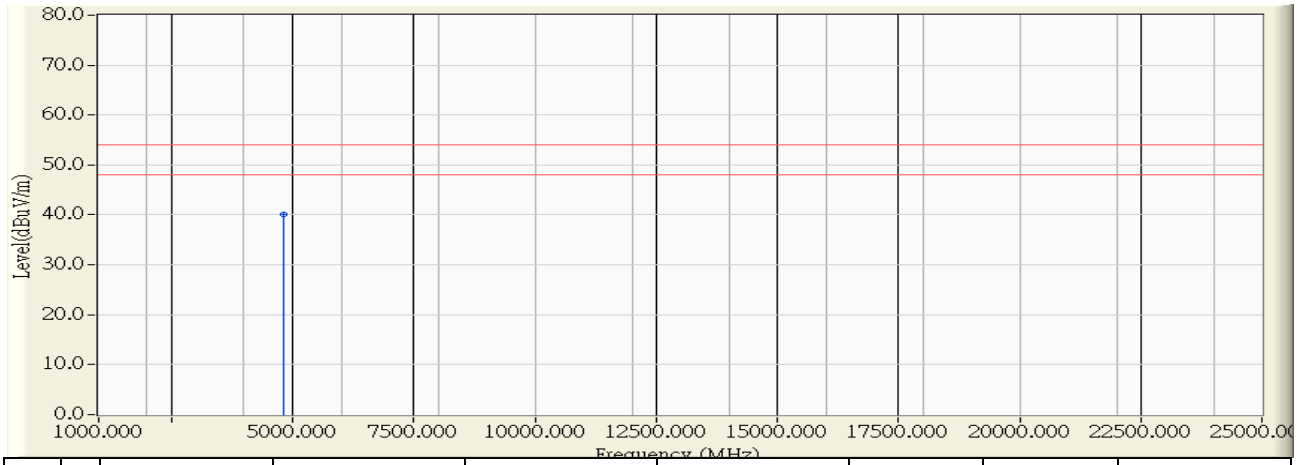


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4821.320	-2.196	57.520	55.325	-18.675	74.000	PEAK
2		7238.740	5.224	40.780	46.005	-27.995	74.000	PEAK
3		9651.640	9.120	38.640	47.761	-26.239	74.000	PEAK
4		12061.140	9.804	38.820	48.624	-25.376	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/24 - 11:57**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_0623_Ant3 - VERTICAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 2: Transmit (MIMO Mode)_802.11n(20M)_2412MHz**

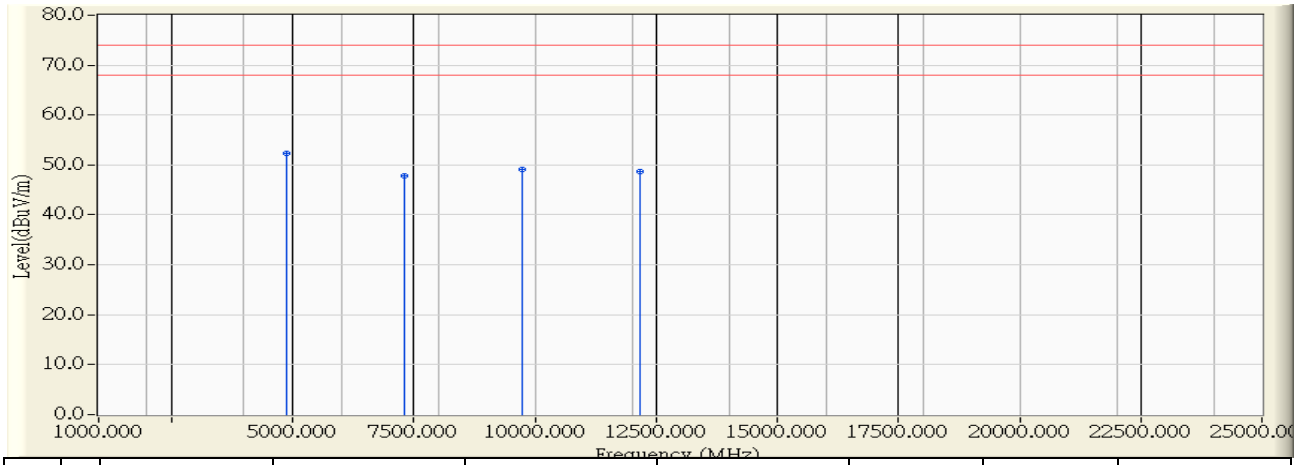


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4824.720	-2.190	42.210	40.019	-13.981	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/06/25 - 01:24**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_0623_Ant3 - HORIZONTAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 2: Transmit (MIMO Mode)_802.11n(20M)_2437MHz**

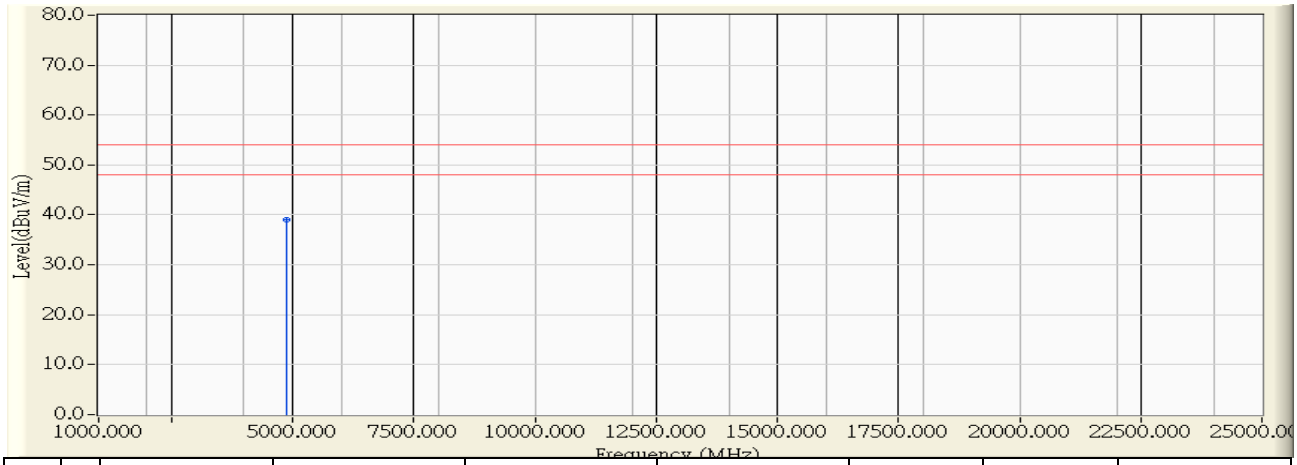


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4872.760	-2.122	54.550	52.429	-21.571	74.000	PEAK
2		7309.000	5.376	42.370	47.747	-26.253	74.000	PEAK
3		9730.400	9.568	39.570	49.138	-24.862	74.000	PEAK
4		12176.940	9.636	39.140	48.776	-25.224	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/25 - 01:27**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_0623_Ant3 - HORIZONTAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 2: Transmit (MIMO Mode)_ 802.11 n20_2437MHz**

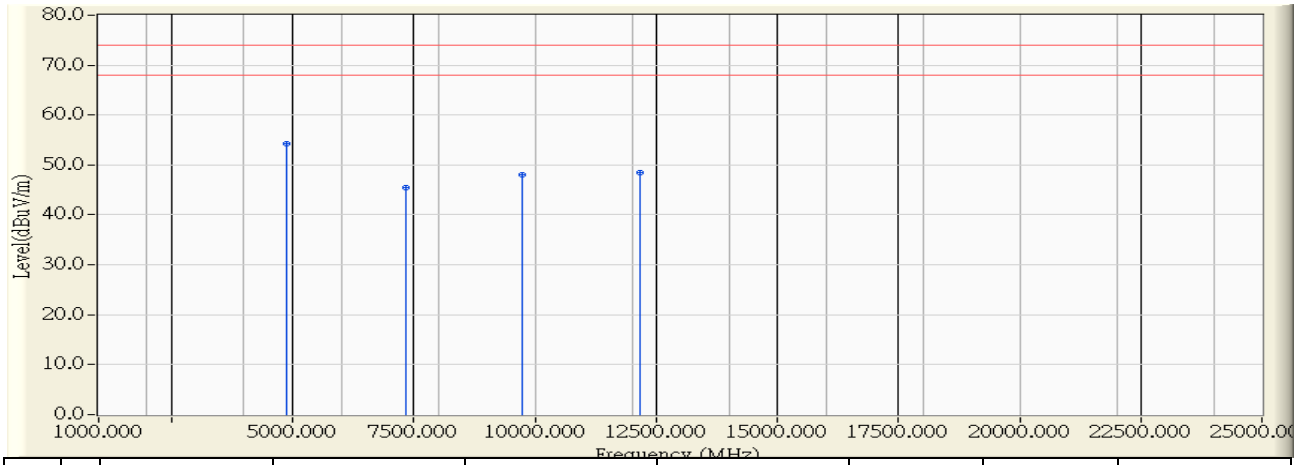


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4872.760	-2.122	41.070	38.949	-15.051	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/06/25 - 01:42**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_0623_Ant3 - VERTICAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 2: Transmit (MIMO Mode)_802.11n(20M)_2437MHz**

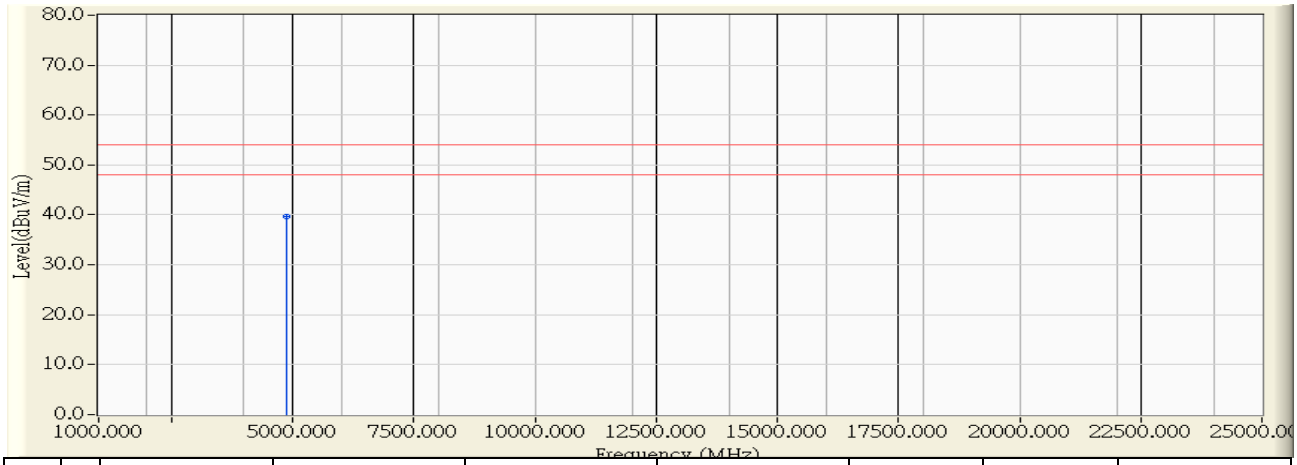


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4874.280	-2.119	56.330	54.211	-19.789	74.000	PEAK
2		7326.500	5.415	39.970	45.385	-28.615	74.000	PEAK
3		9748.080	9.669	38.380	48.048	-25.952	74.000	PEAK
4		12182.860	9.627	38.830	48.457	-25.543	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/25 - 01:43**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_0623_Ant3 - VERTICAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 2: Transmit (MIMO Mode)_802.11n(20M)_2437MHz**

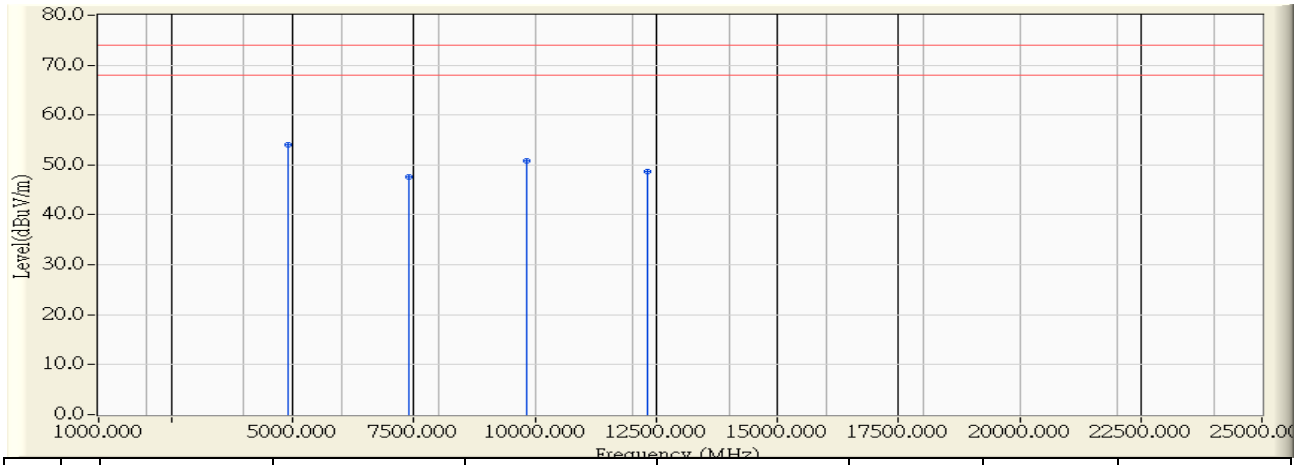


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4874.620	-2.118	41.740	39.621	-14.379	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/06/25 - 04:19**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_0623_Ant3 - HORIZONTAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 2: Transmit (MIMO Mode)_802.11n(20M)_2462MHz**

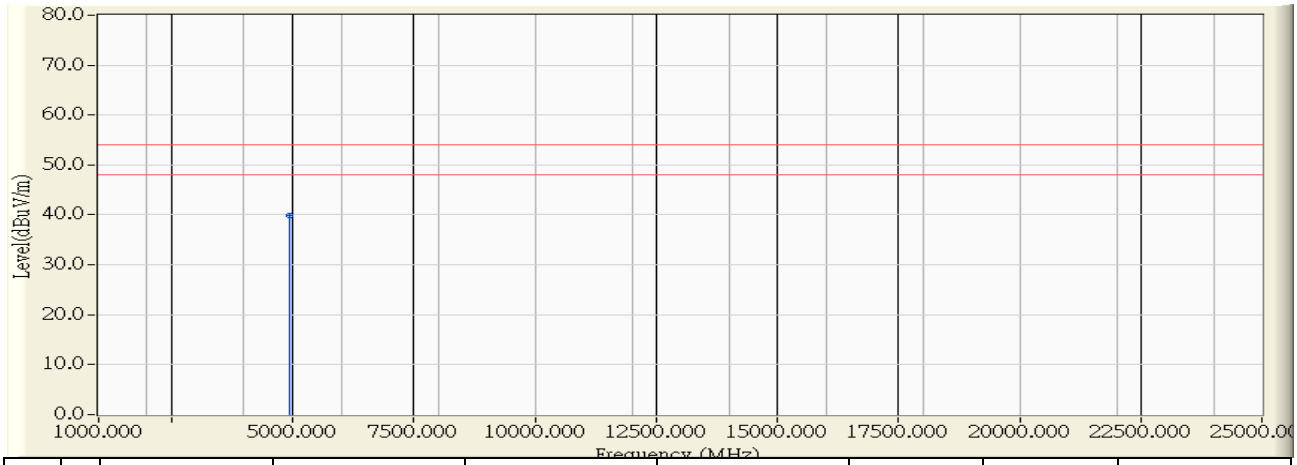


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4921.140	-2.052	56.170	54.118	-19.882	74.000	PEAK
2		7386.680	5.545	42.130	47.675	-26.325	74.000	PEAK
3		9843.300	10.209	40.620	50.829	-23.171	74.000	PEAK
4		12323.020	9.423	39.360	48.783	-25.217	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/25 - 04:21**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_0623_Ant3 - HORIZONTAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 2: Transmit (MIMO Mode)_802.11n(20M)_2462MHz**

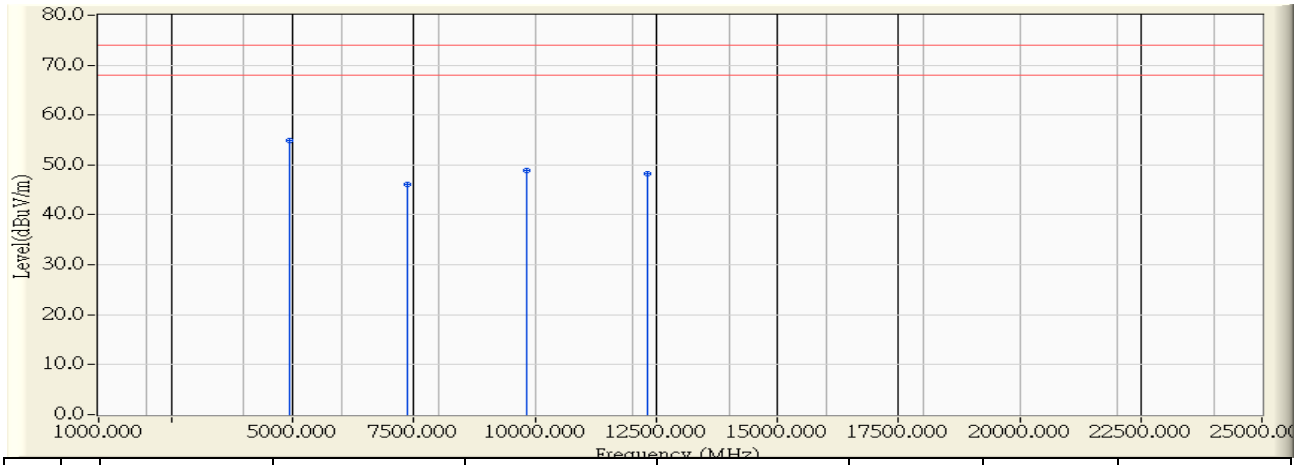


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4923.160	-2.049	41.950	39.901	-14.099	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/06/25 - 04:32**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_0623_Ant3 - VERTICAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 2: Transmit (MIMO Mode)_802.11n(20M)_2462MHz**

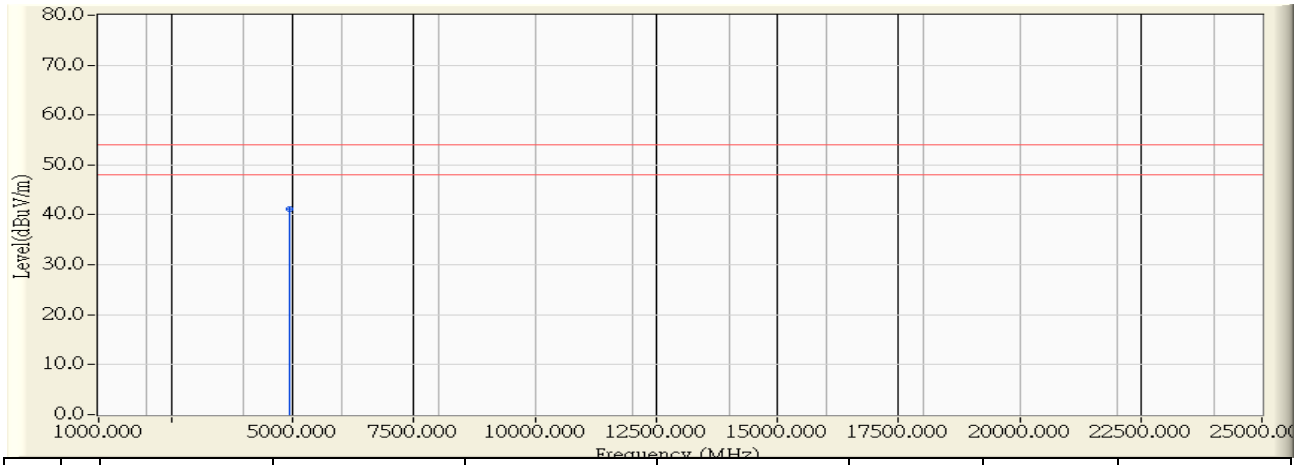


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4924.340	-2.047	57.050	55.003	-18.997	74.000	PEAK
2		7377.180	5.524	40.500	46.024	-27.976	74.000	PEAK
3		9844.620	10.216	38.770	48.986	-25.014	74.000	PEAK
4		12314.400	9.436	38.800	48.235	-25.765	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/25 - 04:33**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_0623_Ant3 - VERTICAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 2: Transmit (MIMO Mode)_802.11n(20M)_2462MHz**

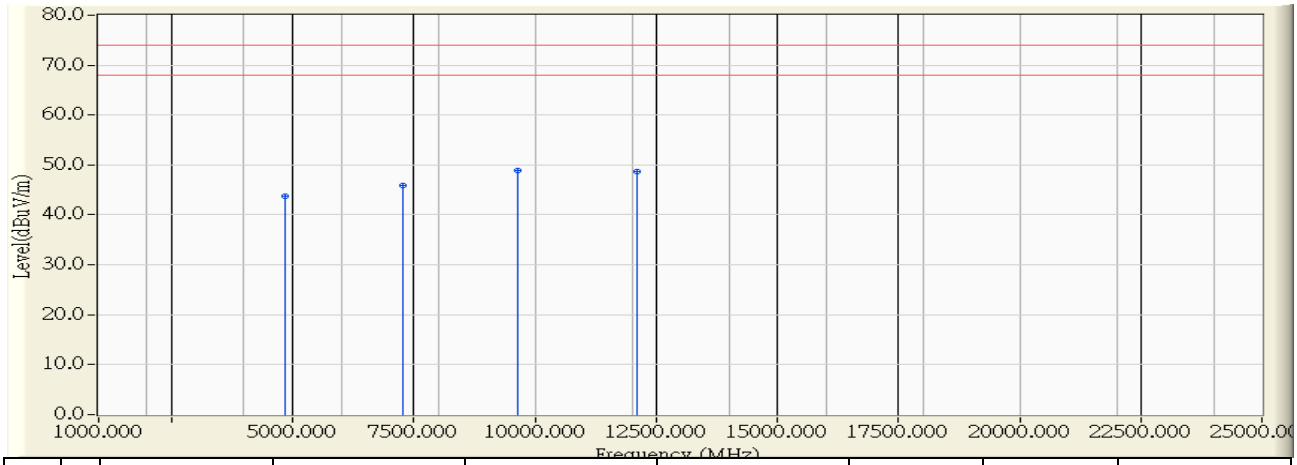


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4925.000	-2.046	43.250	41.204	-12.796	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/06/24 - 12:11**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_0623_Ant3 - HORIZONTAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 2: Transmit (MIMO Mode)_802.11n(40M)_2422MHz**

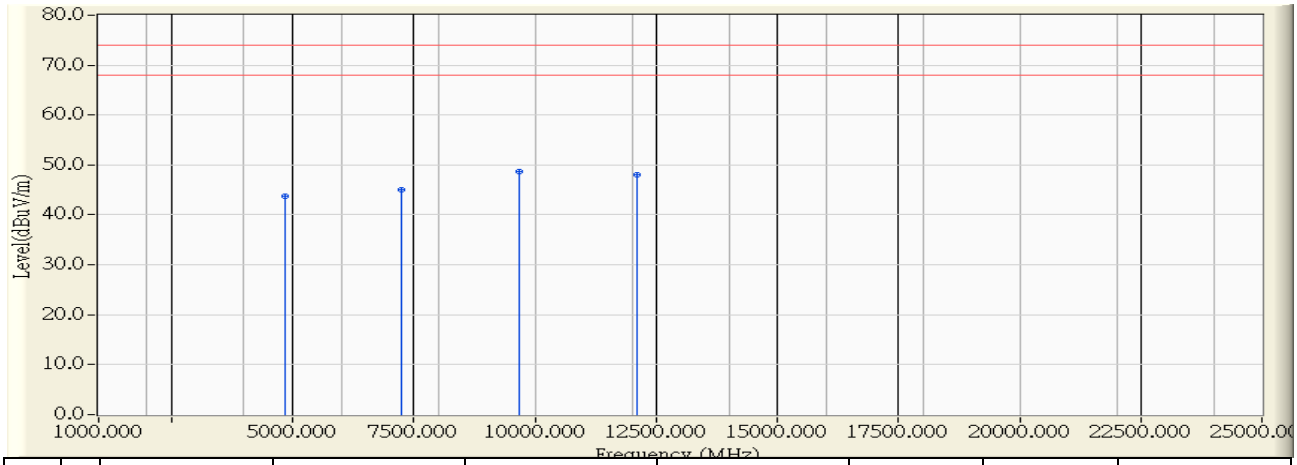


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4843.040	-2.164	45.930	43.766	-30.234	74.000	PEAK
2		7278.880	5.311	40.540	45.852	-28.148	74.000	PEAK
3	*	9650.160	9.113	39.740	48.853	-25.147	74.000	PEAK
4		12119.480	9.720	38.970	48.689	-25.311	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/24 - 13:01**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_0623_Ant3 - VERTICAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 2: Transmit (MIMO Mode)_802.11n(40M)_2422MHz**

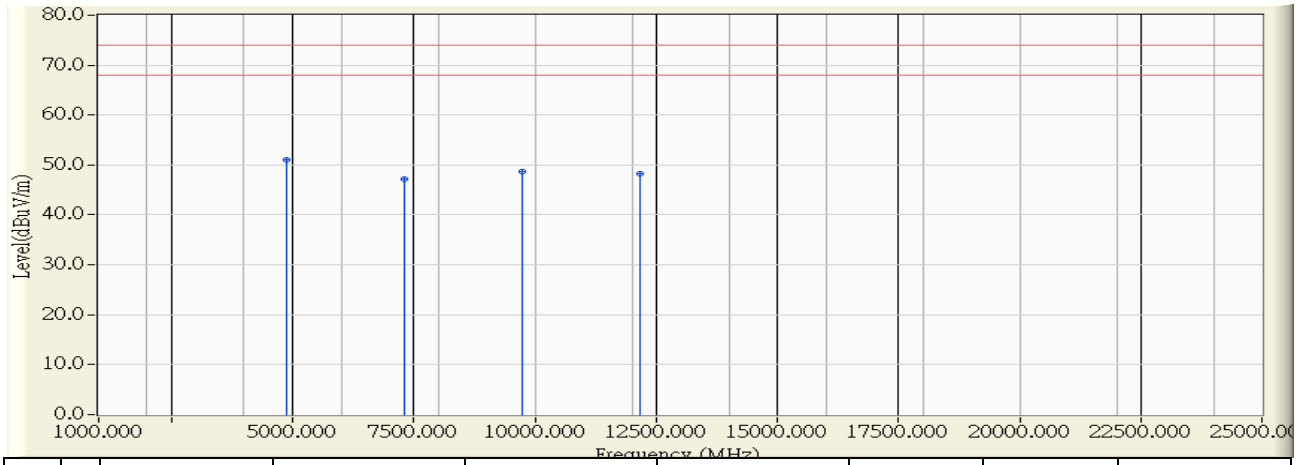


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4845.320	-2.161	45.920	43.759	-30.241	74.000	PEAK
2		7242.240	5.232	39.910	45.142	-28.858	74.000	PEAK
3	*	9686.840	9.320	39.390	48.711	-25.289	74.000	PEAK
4		12110.640	9.733	38.400	48.132	-25.868	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/25 - 01:45**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_0623_Ant3 - HORIZONTAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 2: Transmit (MIMO Mode)_802.11 n40_2437MHz**

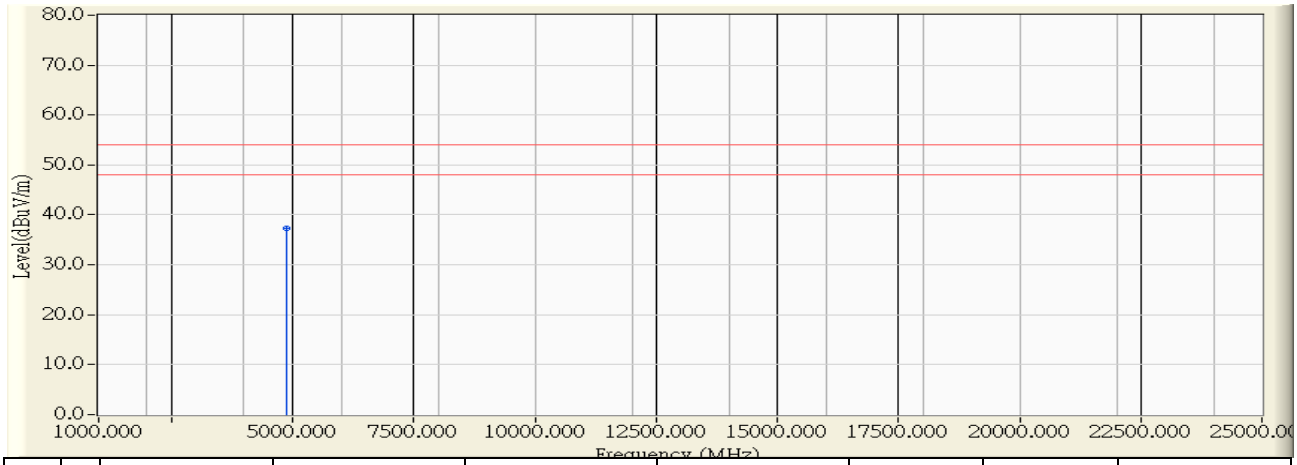


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4863.720	-2.134	53.200	51.066	-22.934	74.000	PEAK
2		7308.420	5.376	41.840	47.215	-26.785	74.000	PEAK
3		9736.720	9.604	39.040	48.644	-25.356	74.000	PEAK
4		12170.580	9.645	38.610	48.255	-25.745	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/25 - 01:47**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_0623_Ant3 - HORIZONTAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 2: Transmit (MIMO Mode)_802.11 n40_2437MHz**

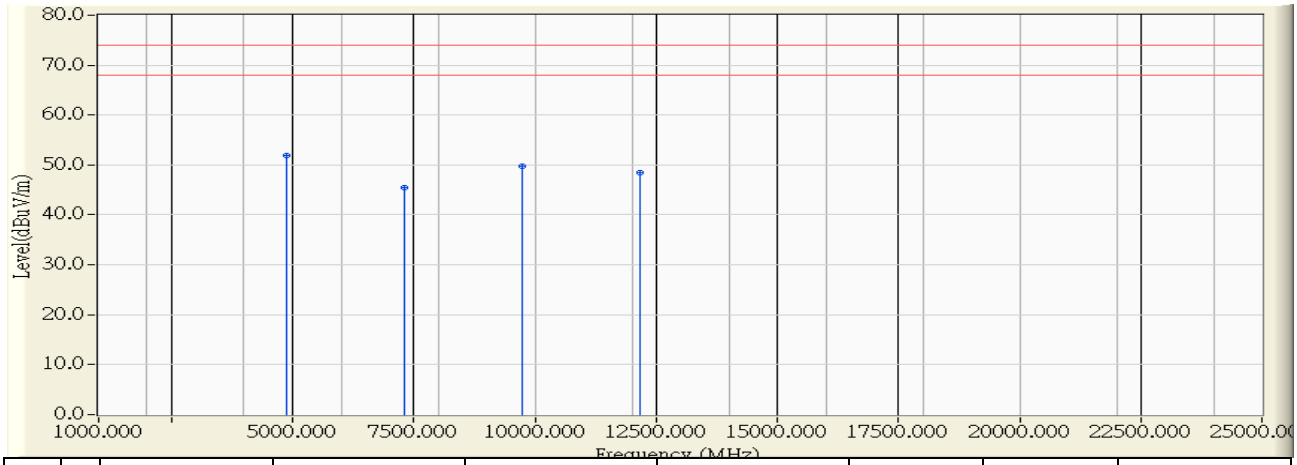


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4873.460	-2.121	39.415	37.295	-16.705	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/06/25 - 01:59**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_0623_Ant3 - VERTICAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 2: Transmit (MIMO Mode)_802.11n(40M)_2437MHz**

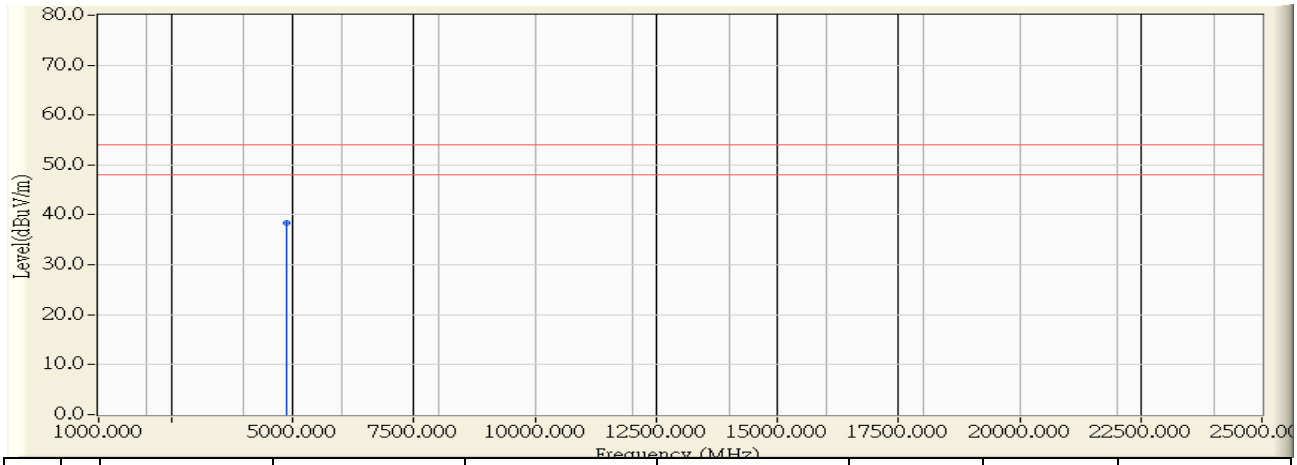


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4870.500	-2.124	53.950	51.825	-22.175	74.000	PEAK
2		7307.620	5.374	40.060	45.434	-28.566	74.000	PEAK
3		9740.430	9.625	40.100	49.725	-24.275	74.000	PEAK
4		12183.060	9.627	38.770	48.397	-25.603	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/25 - 01:59**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_0623_Ant3 - VERTICAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 1: Transmit (CDD Mode)_802.11n(40M)_2437MHz**

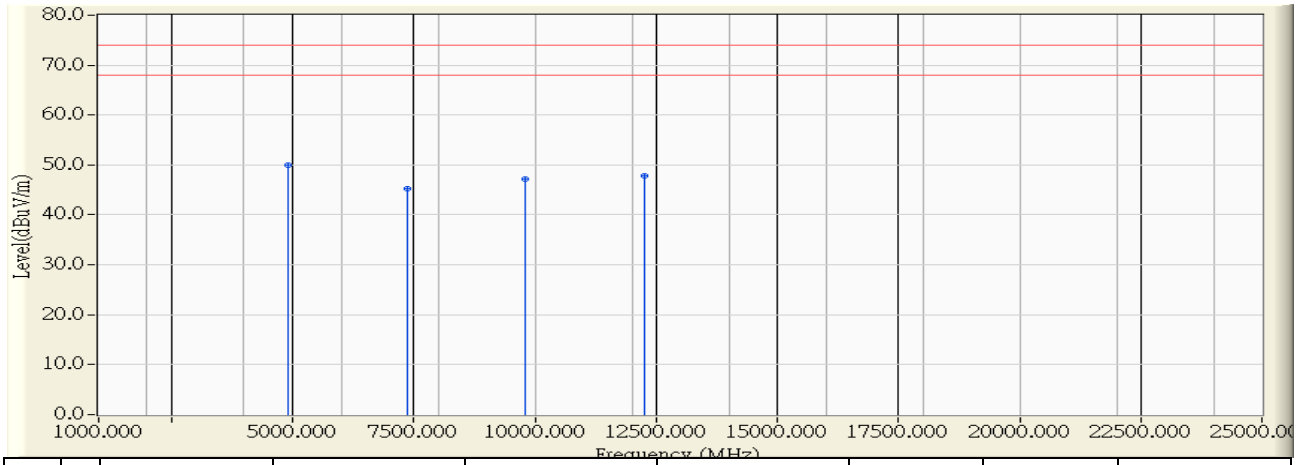


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4872.920	-2.121	40.450	38.329	-15.671	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/06/25 - 04:40**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_0623_Ant3 - HORIZONTAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 2: Transmit (MIMO Mode)_802.11n(40M)_2452MHz**

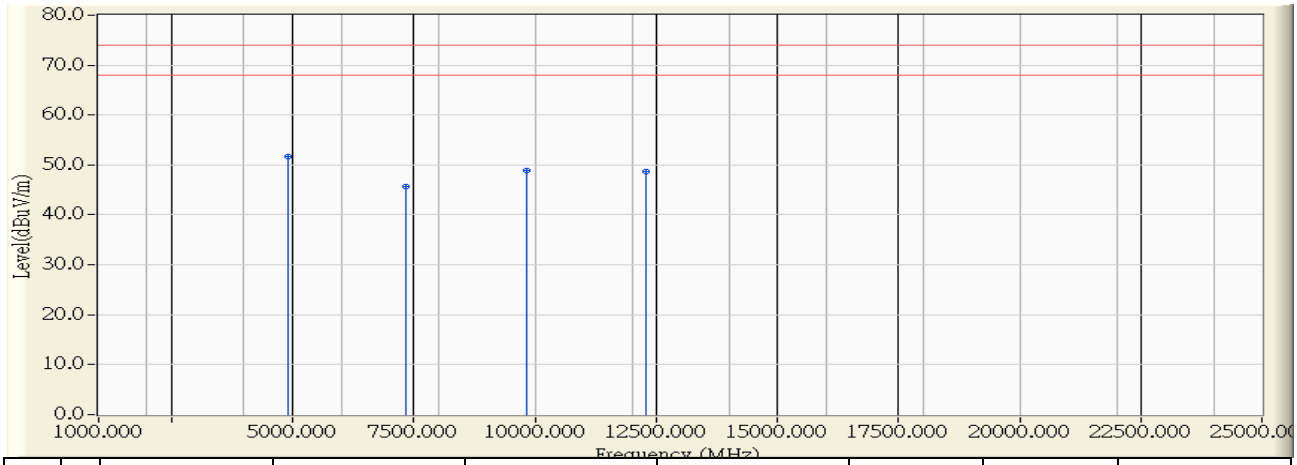


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4900.580	-2.081	52.060	49.979	-24.021	74.000	PEAK
2		7356.030	5.478	39.770	45.248	-28.752	74.000	PEAK
3		9808.030	10.009	37.090	47.098	-26.902	74.000	PEAK
4		12275.330	9.492	38.330	47.822	-26.178	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/25 - 04:47**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_0623_Ant3 - VERTICAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 2: Transmit (MIMO Mode)_802.11n(40M)_2452MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4903.910	-2.077	53.830	51.753	-22.247	74.000	PEAK
2		7348.380	5.463	40.270	45.732	-28.268	74.000	PEAK
3		9830.890	10.138	38.780	48.918	-25.082	74.000	PEAK
4		12281.000	9.484	39.190	48.674	-25.326	74.000	PEAK

Note:

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

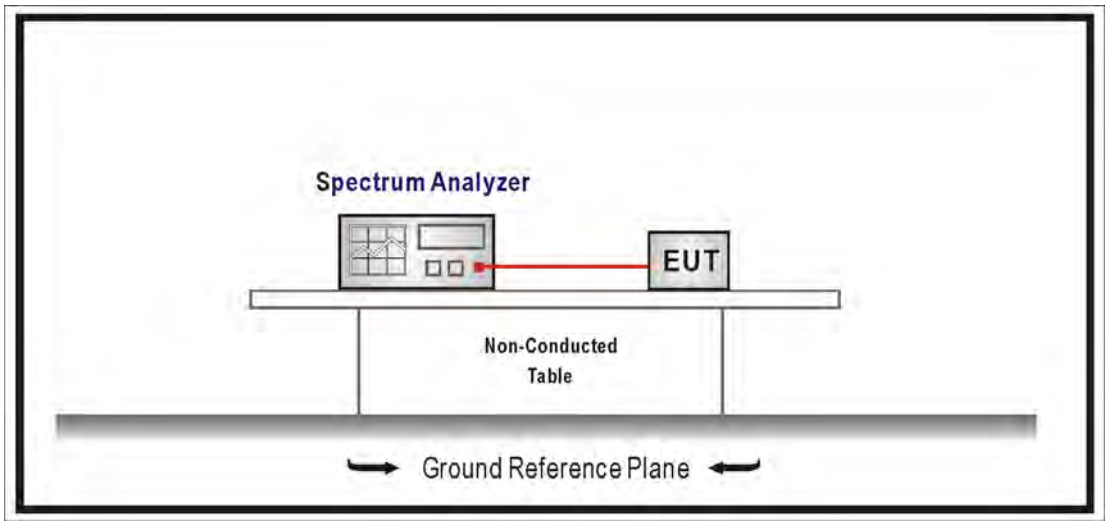
RF antenna conducted test / SR7

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

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 30 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power(RMS), 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 and tested according to DTS test procedure section 11.0 of KDB558074 v03r02 for compliance to FCC 47CFR 15.247 requirements. Set RBW = 100 kHz, Set VBW≧3xRBW, scan up through 10th harmonic.

5.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2013

5.6. Uncertainty

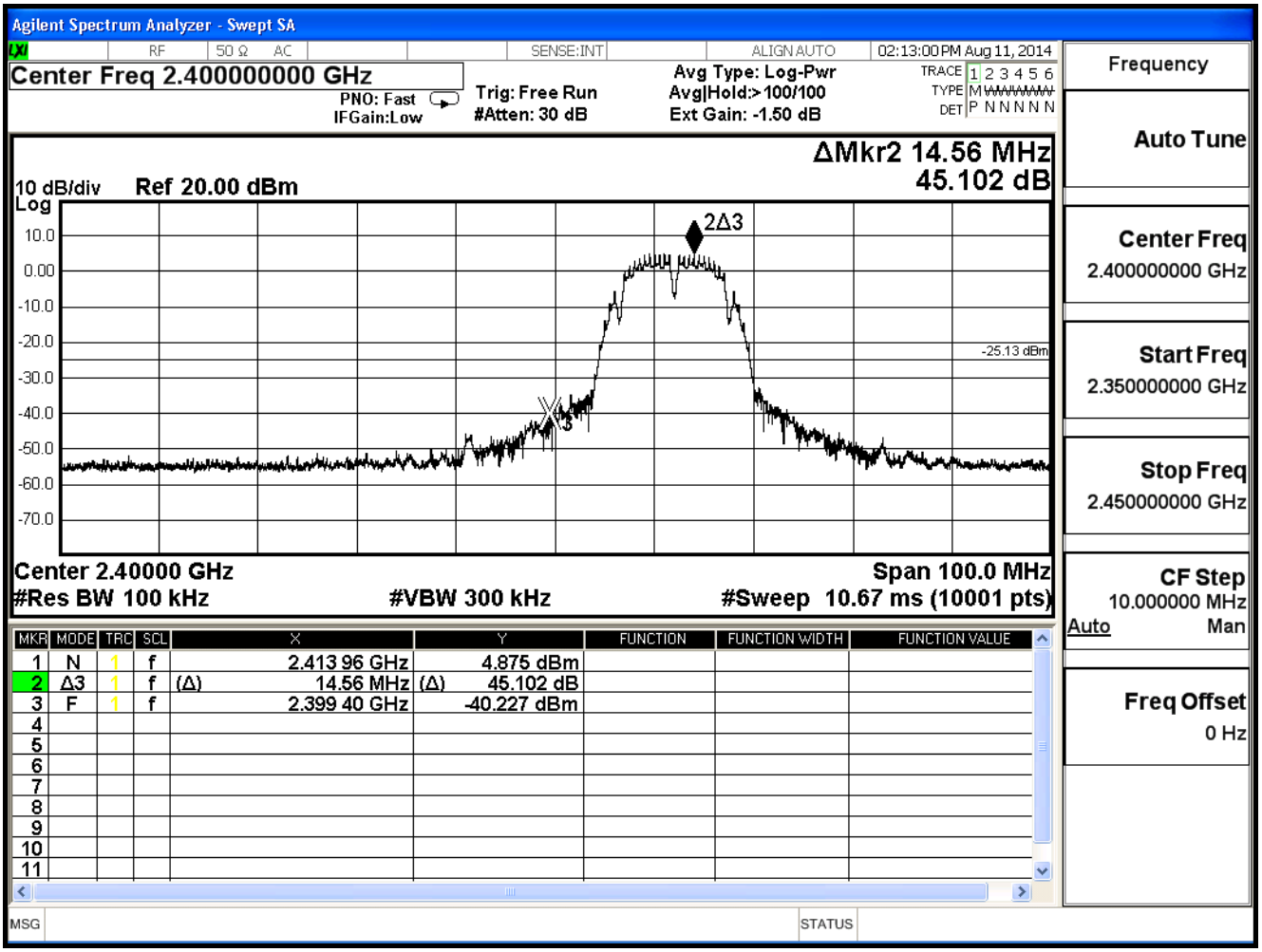
Conducted is defined as ± 1.27dB

5.7. Test Result

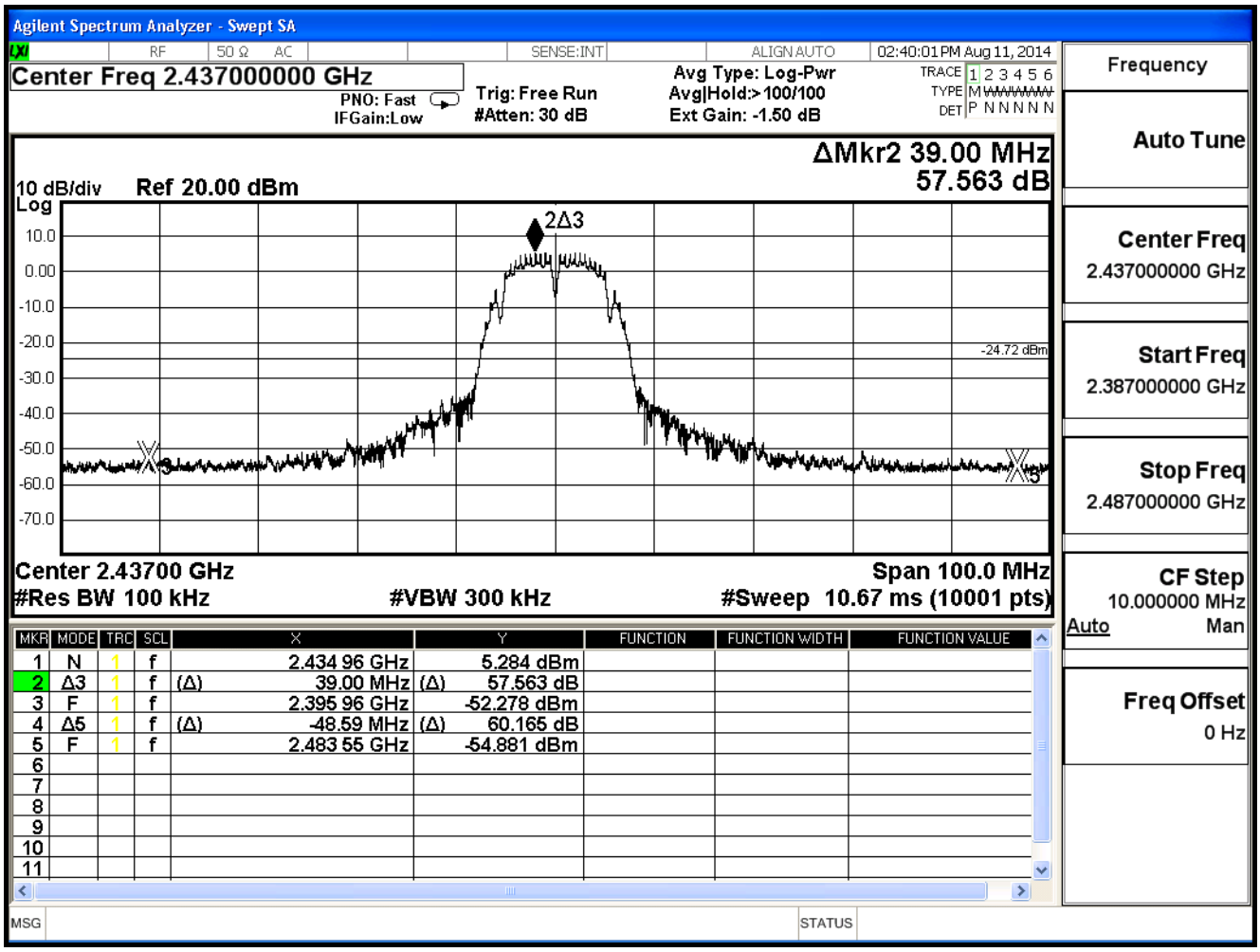
Product	Dual-band Wireless-AC1300 USB Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/08/12	Test Site	SR7

IEEE 802.11b, (ANT 0) Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	45.102	≧30	Pass
6	2437	57.563	≧30	Pass
11	2462	53.700	≧30	Pass

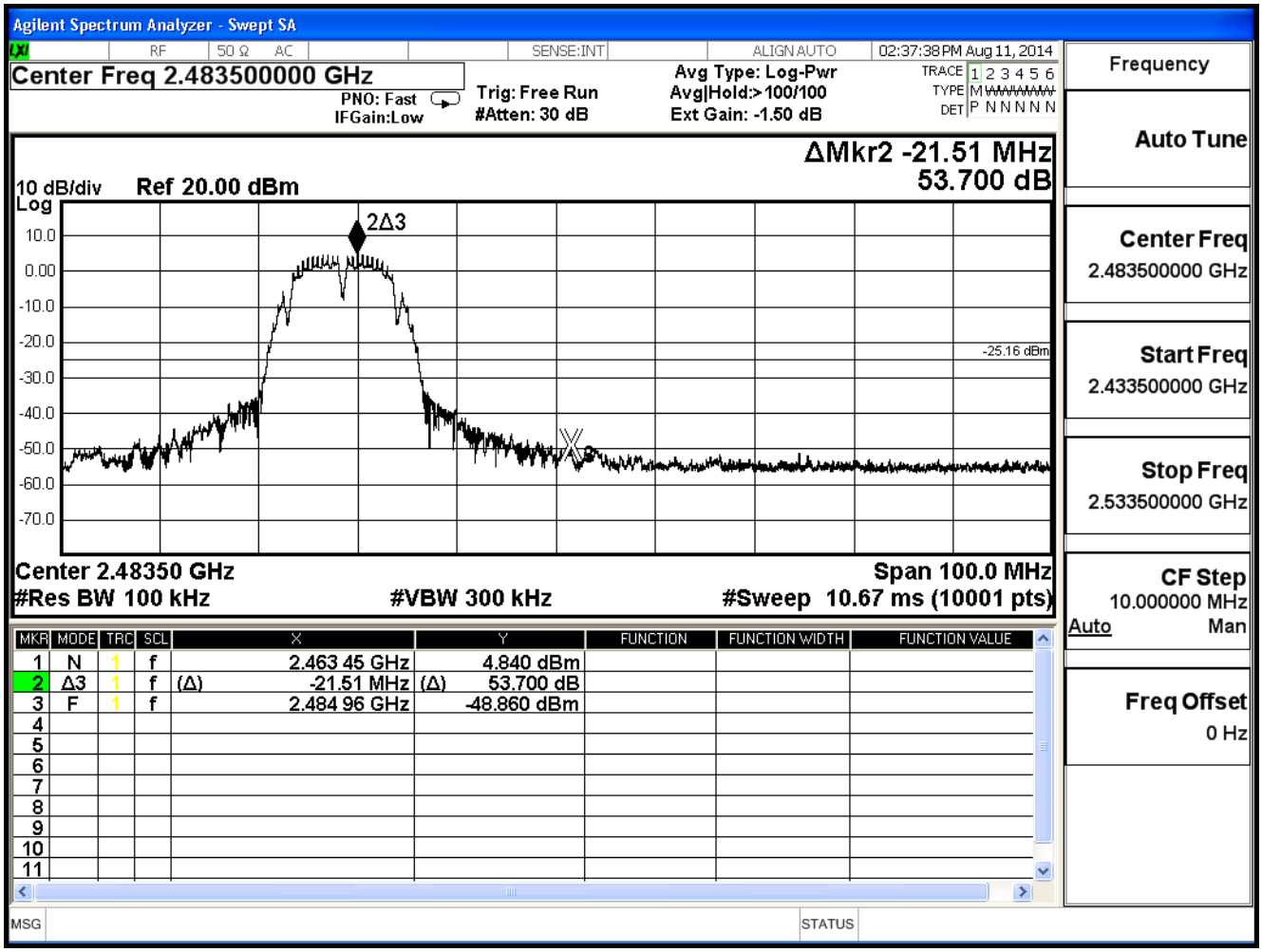
Channel 01 (2412MHz)



Channel 6 (2437MHz)



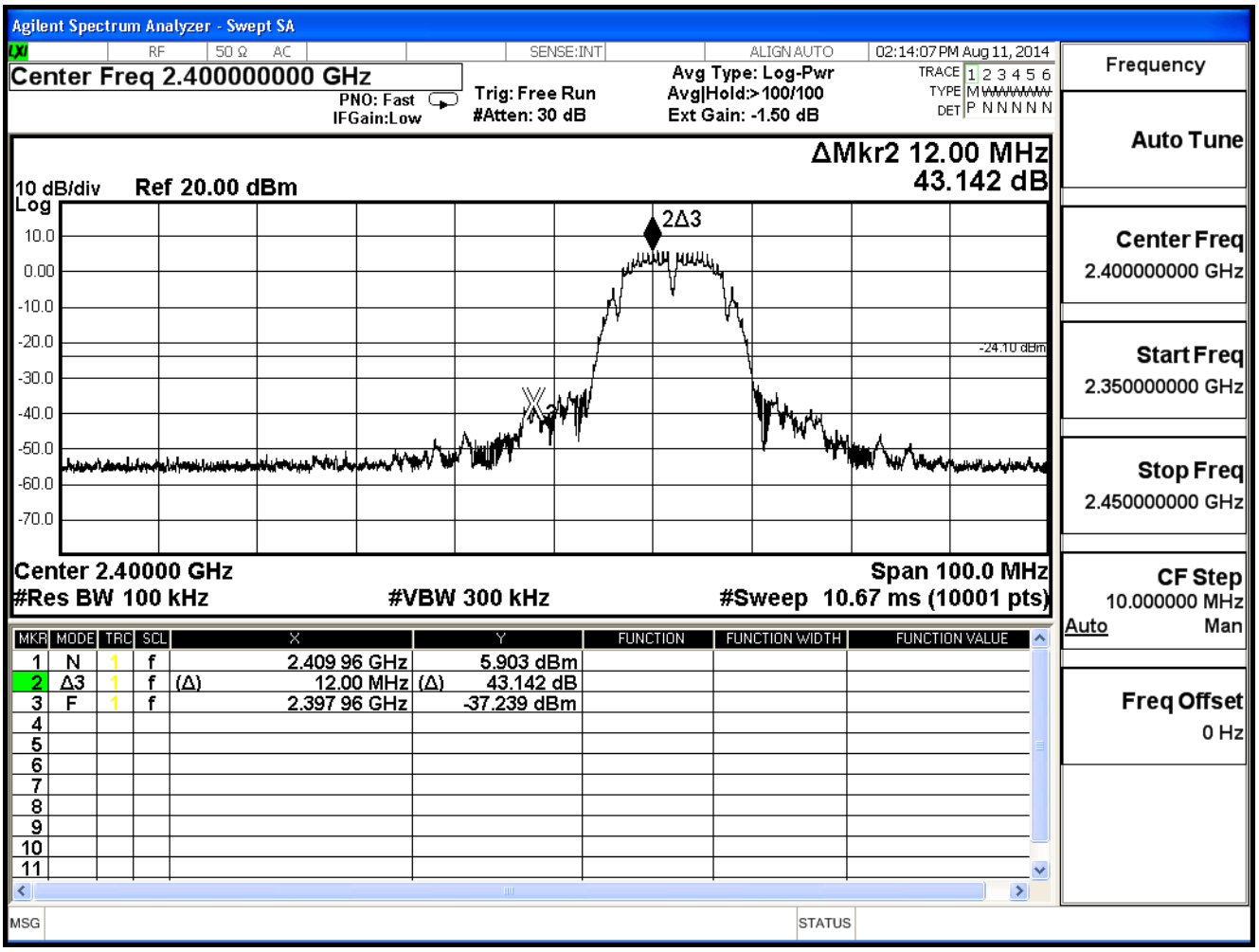
Channel 11 (2462MHz)



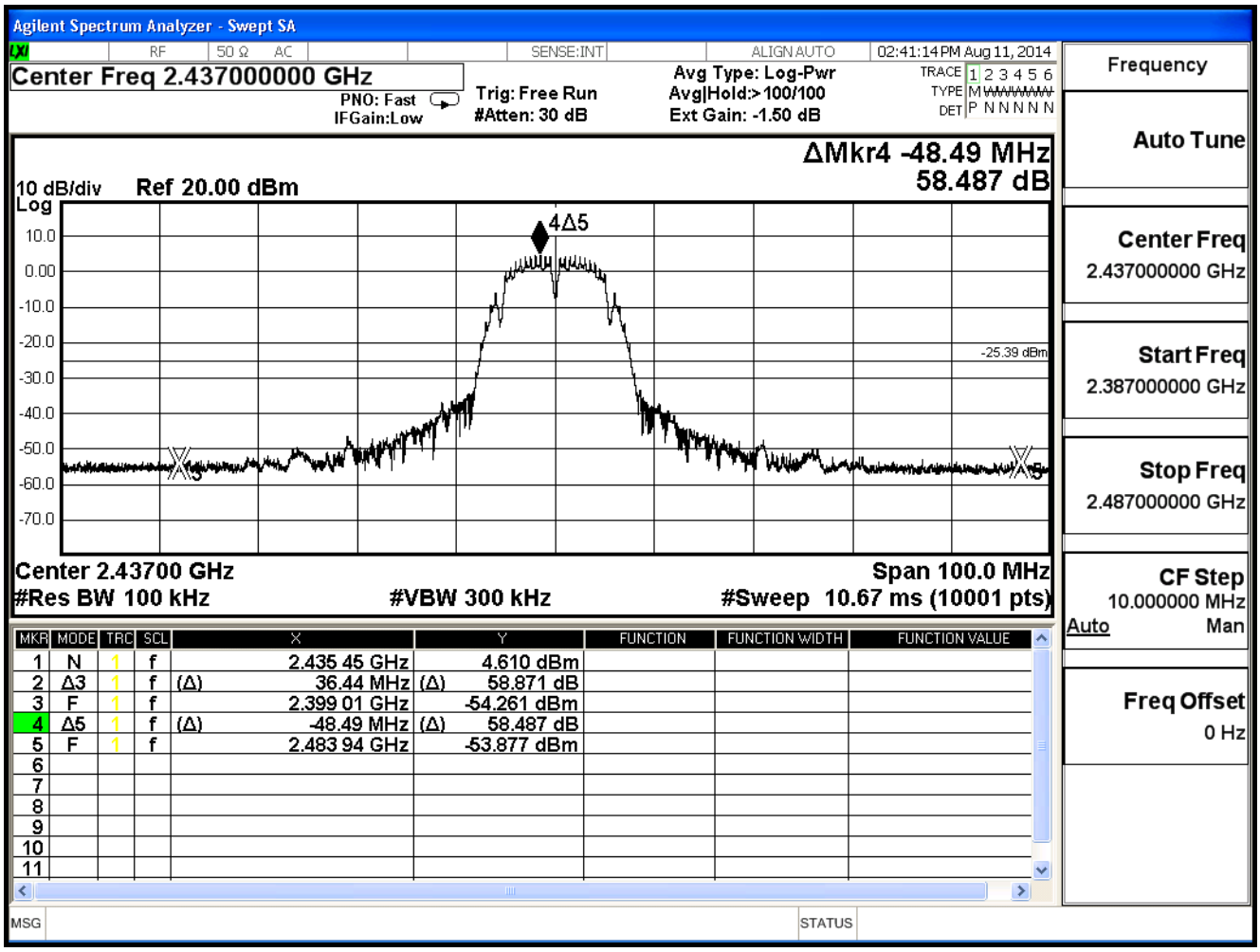
Product	Dual-band Wireless-AC1300 USB Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/08/12	Test Site	SR7

IEEE 802.11b, (ANT 1) Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	43.142	≧30	Pass
6	2437	58.487	≧30	Pass
11	2462	55.582	≧30	Pass

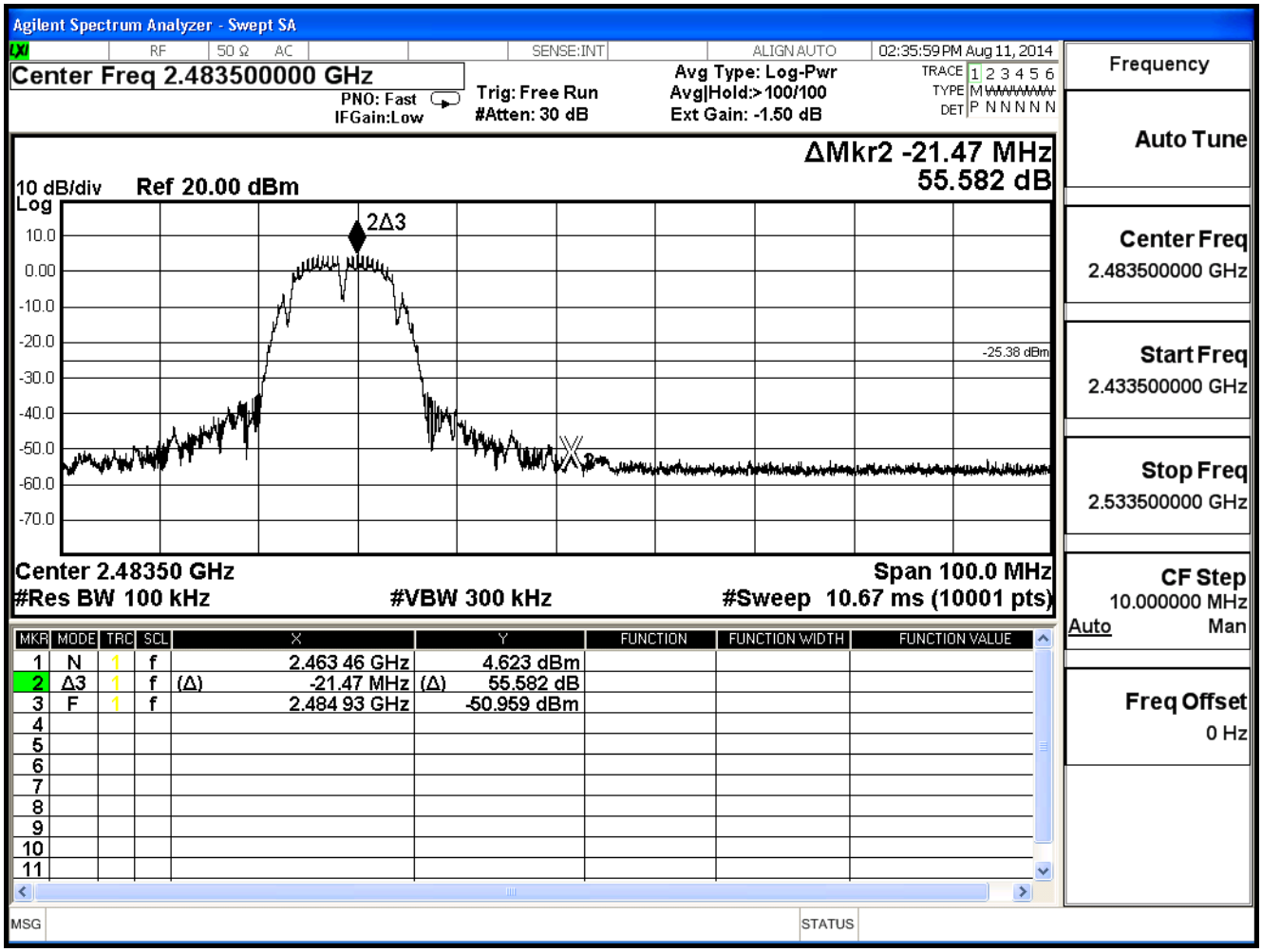
Channel 01 (2412MHz)



Channel 06 (2437MHz)



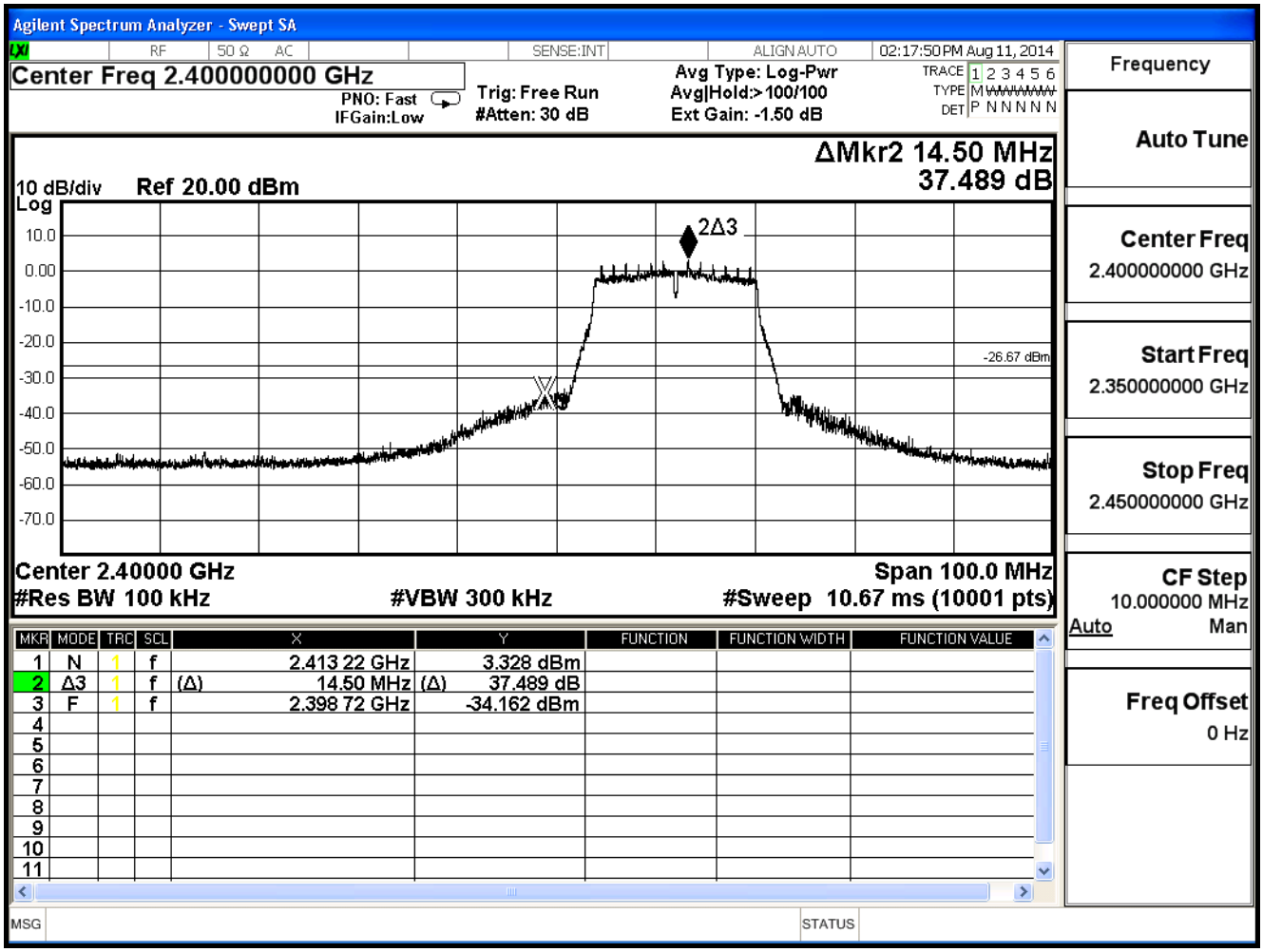
Channel 11 (2462MHz)



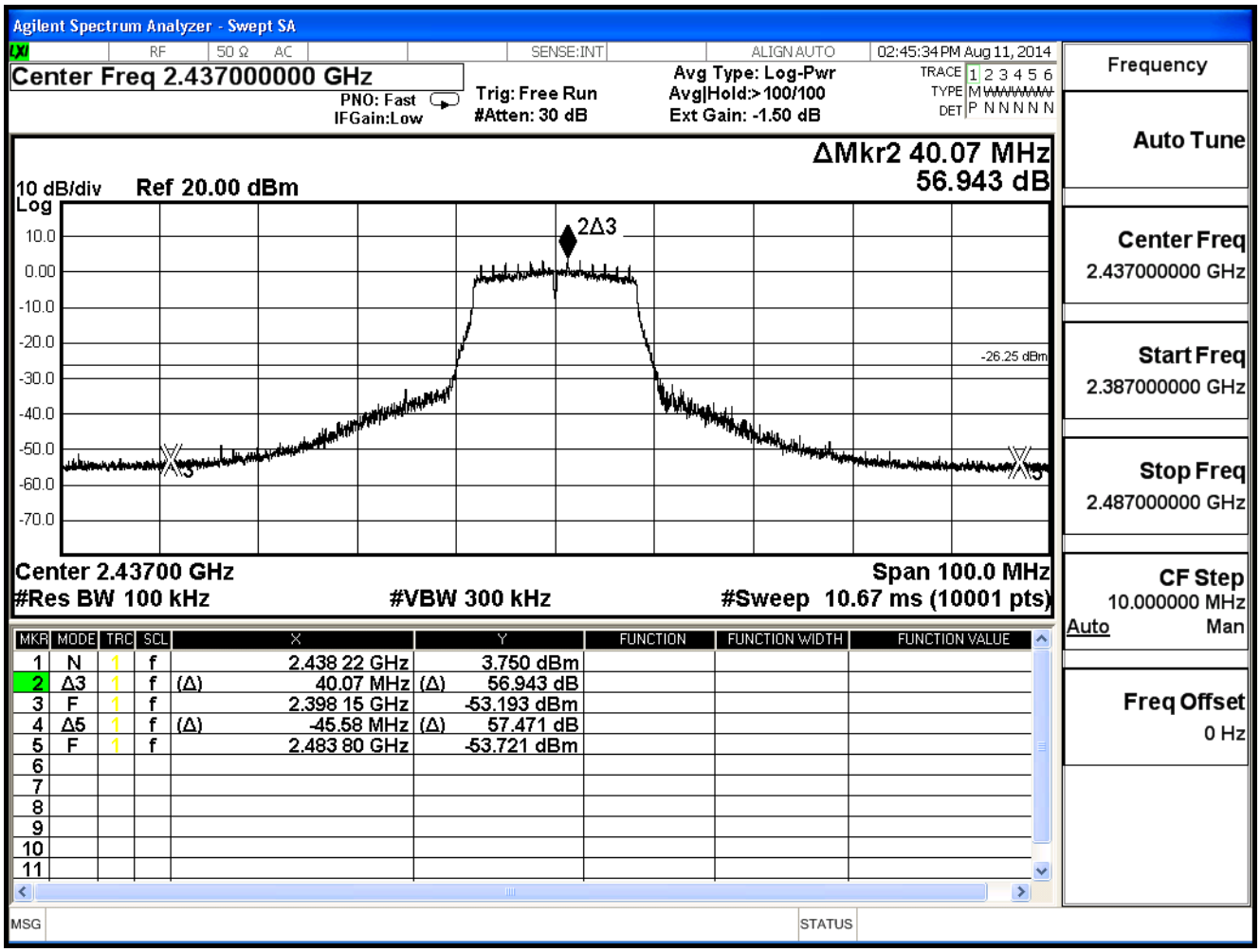
Product	Dual-band Wireless-AC1300 USB Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/08/12	Test Site	SR7

IEEE 802.11g, (ANT 0) Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	37.489	≧30	Pass
6	2437	56.943	≧30	Pass
11	2462	49.546	≧30	Pass

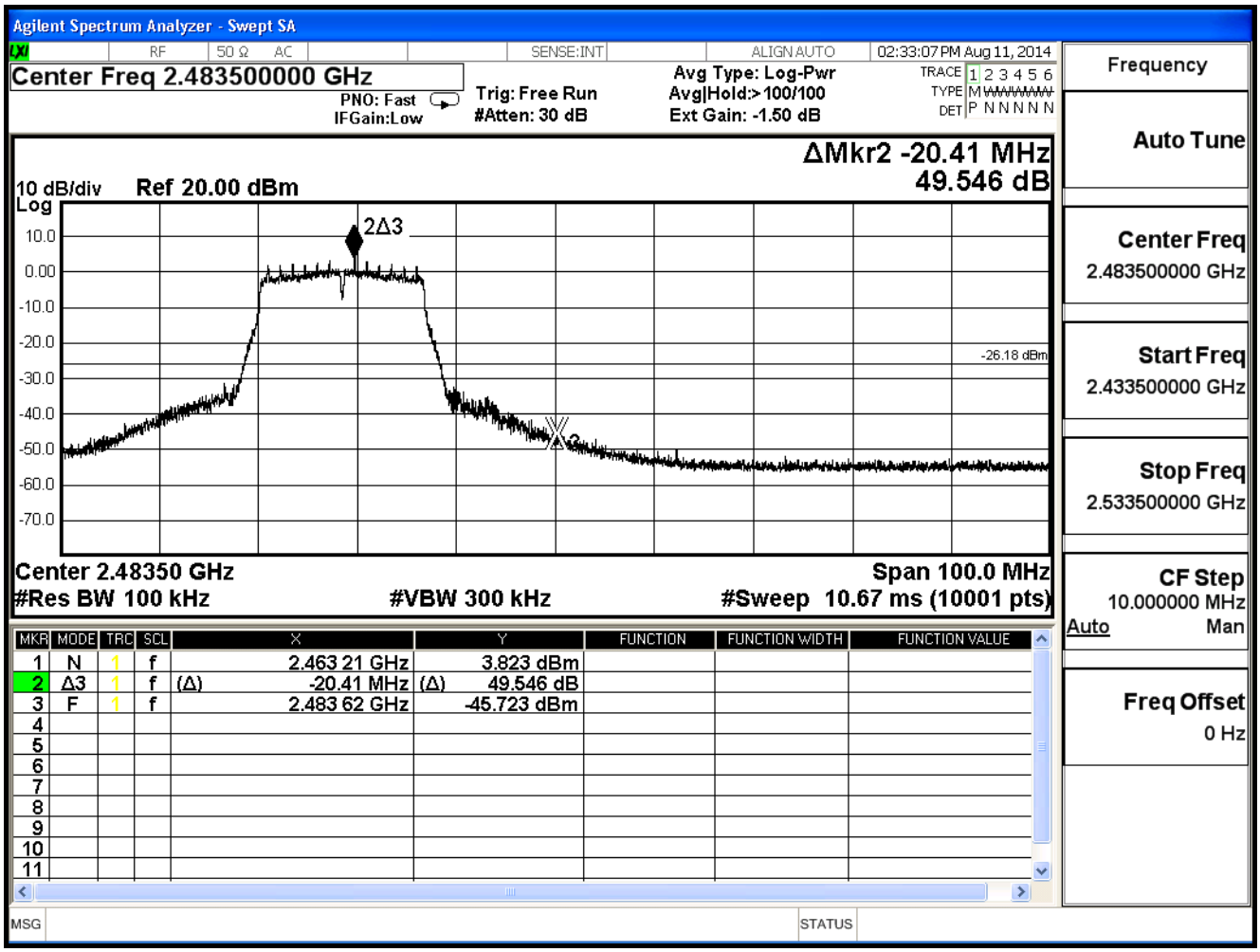
Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)

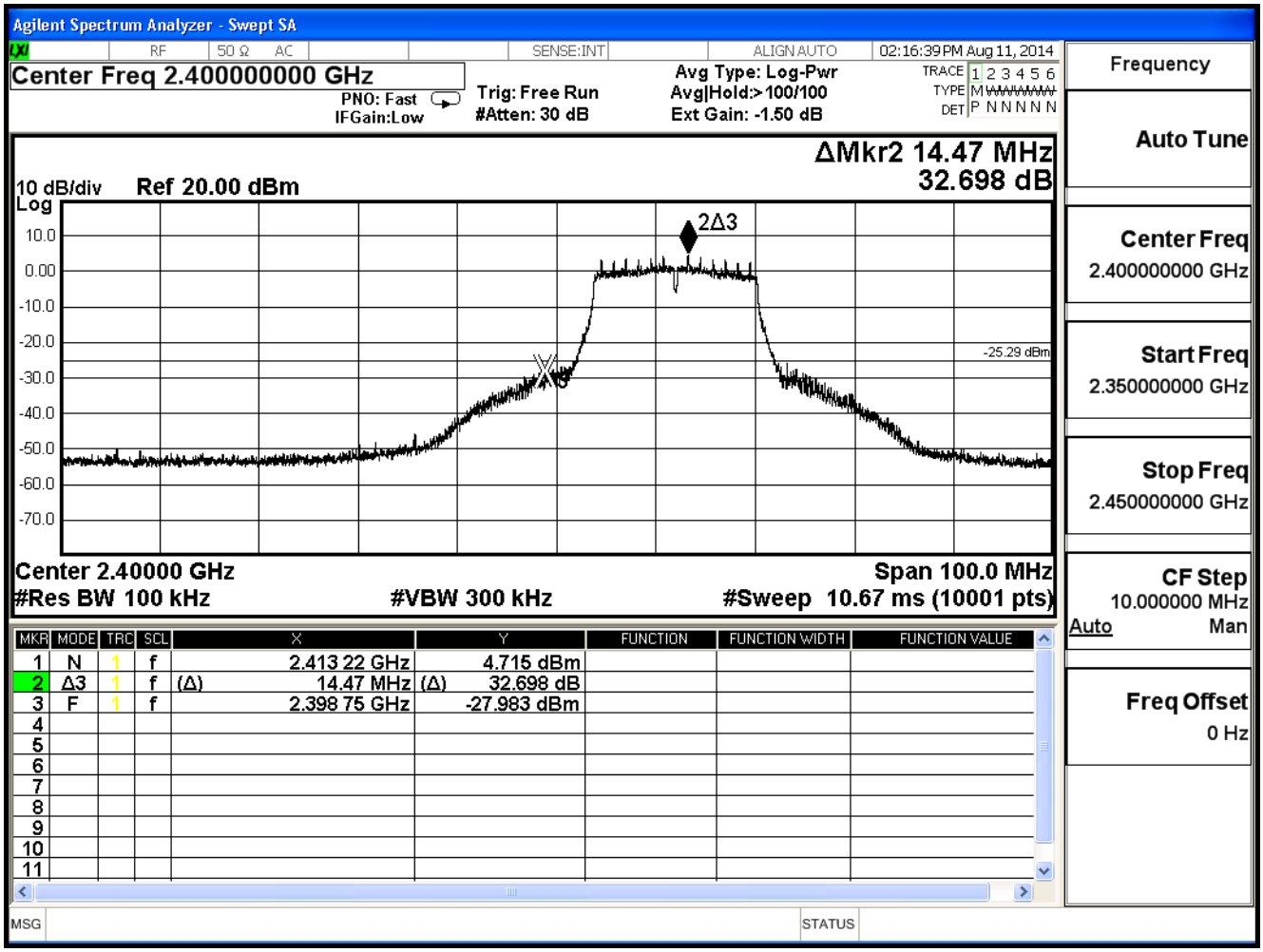


Product	Dual-band Wireless-AC1300 USB Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/08/12	Test Site	SR7

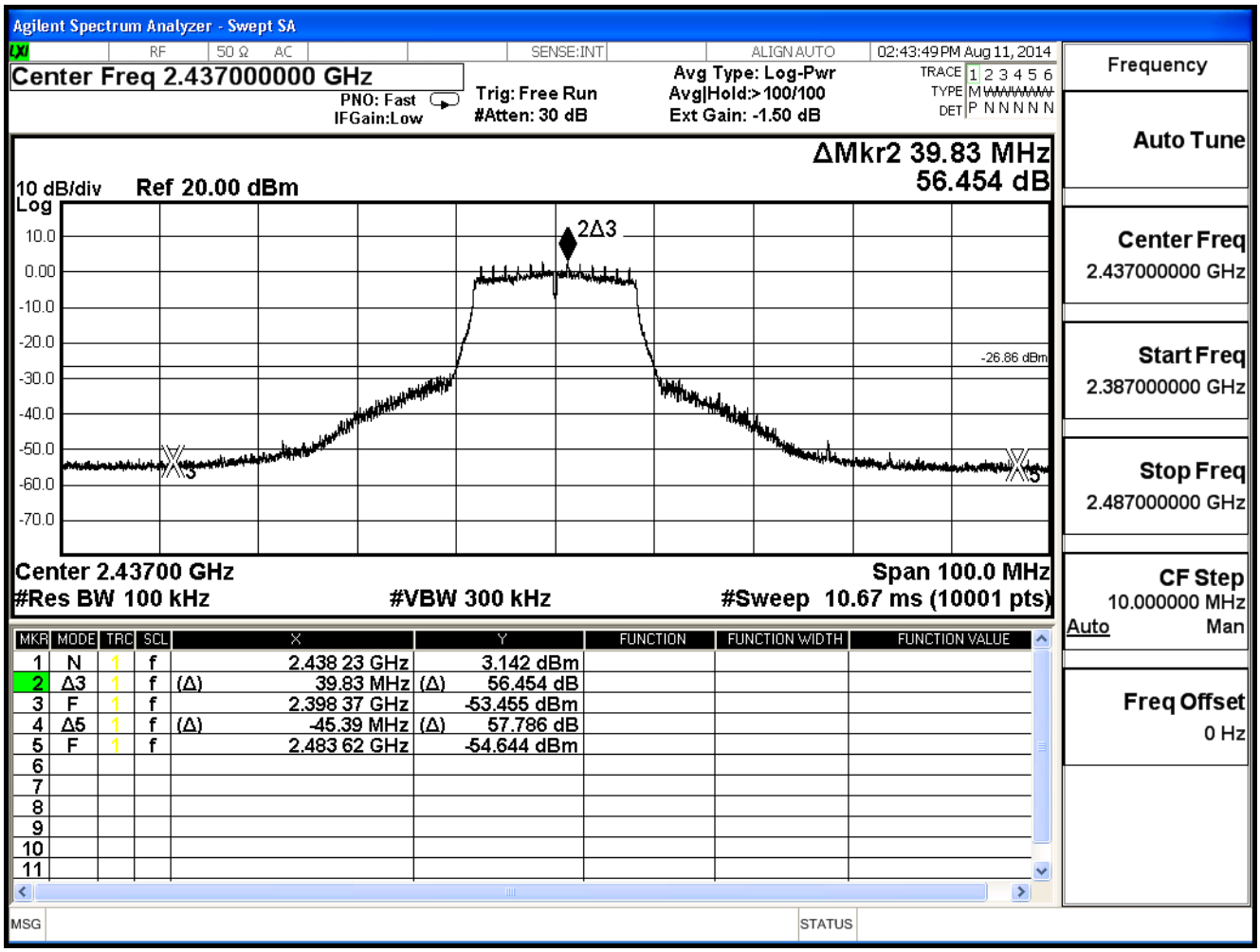
IEEE 802.11g, (ANT 1)Duty Cycle: 1

Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	32.698	≧30	Pass
6	2437	56.454	≧30	Pass
11	2462	48.749	≧30	Pass

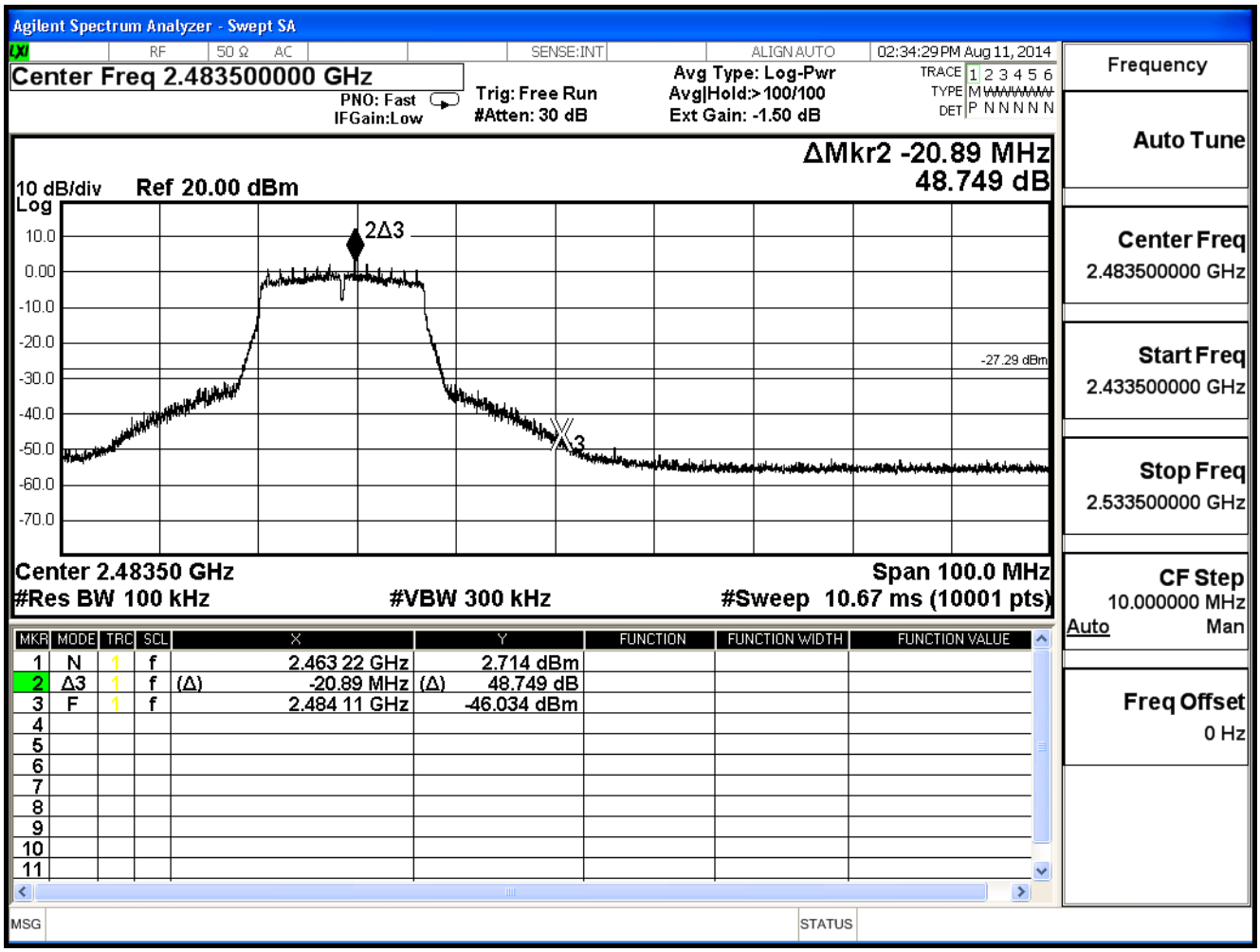
Channel 01 (2412MHz)



Channel 06 (2437MHz)



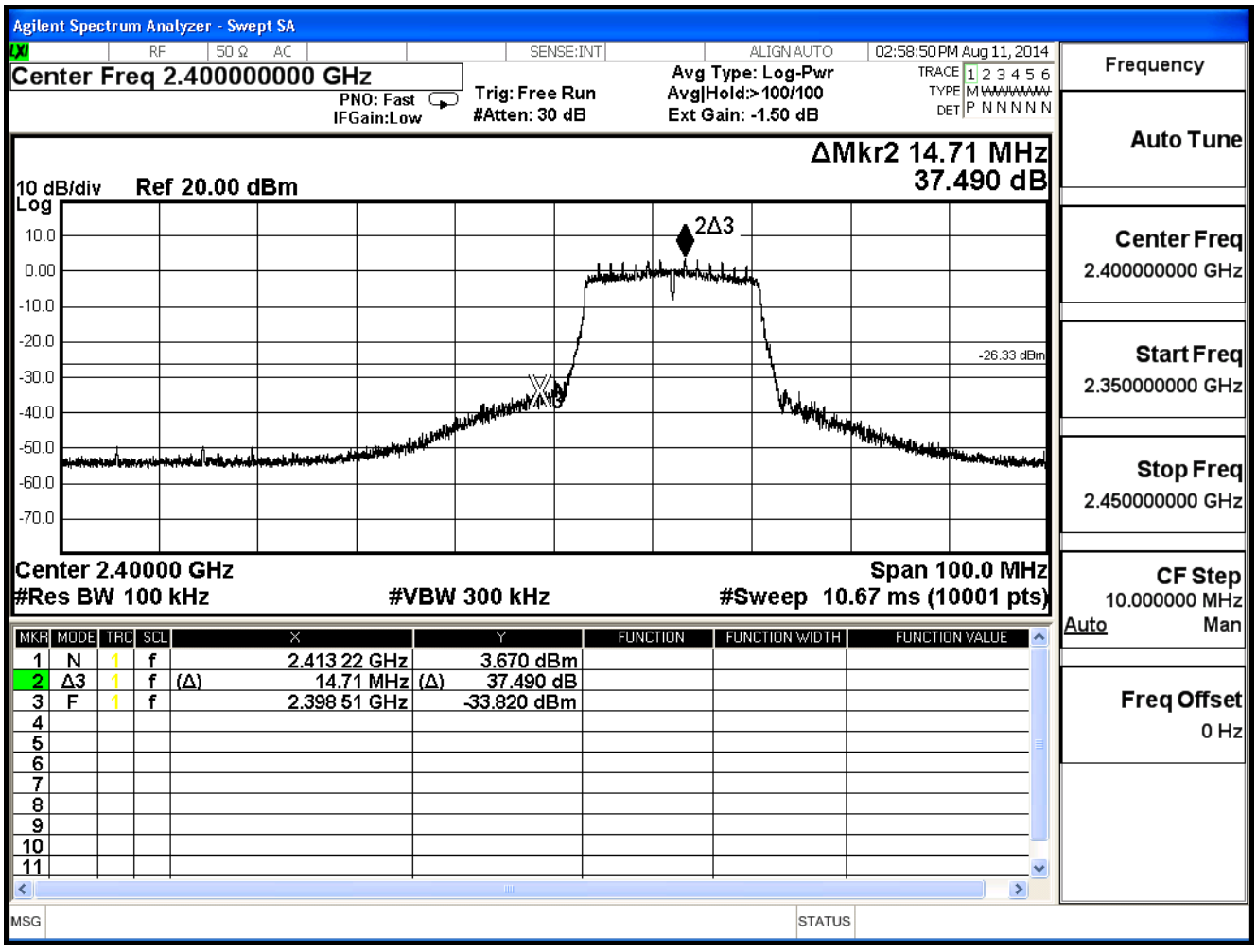
Channel 11 (2462MHz)



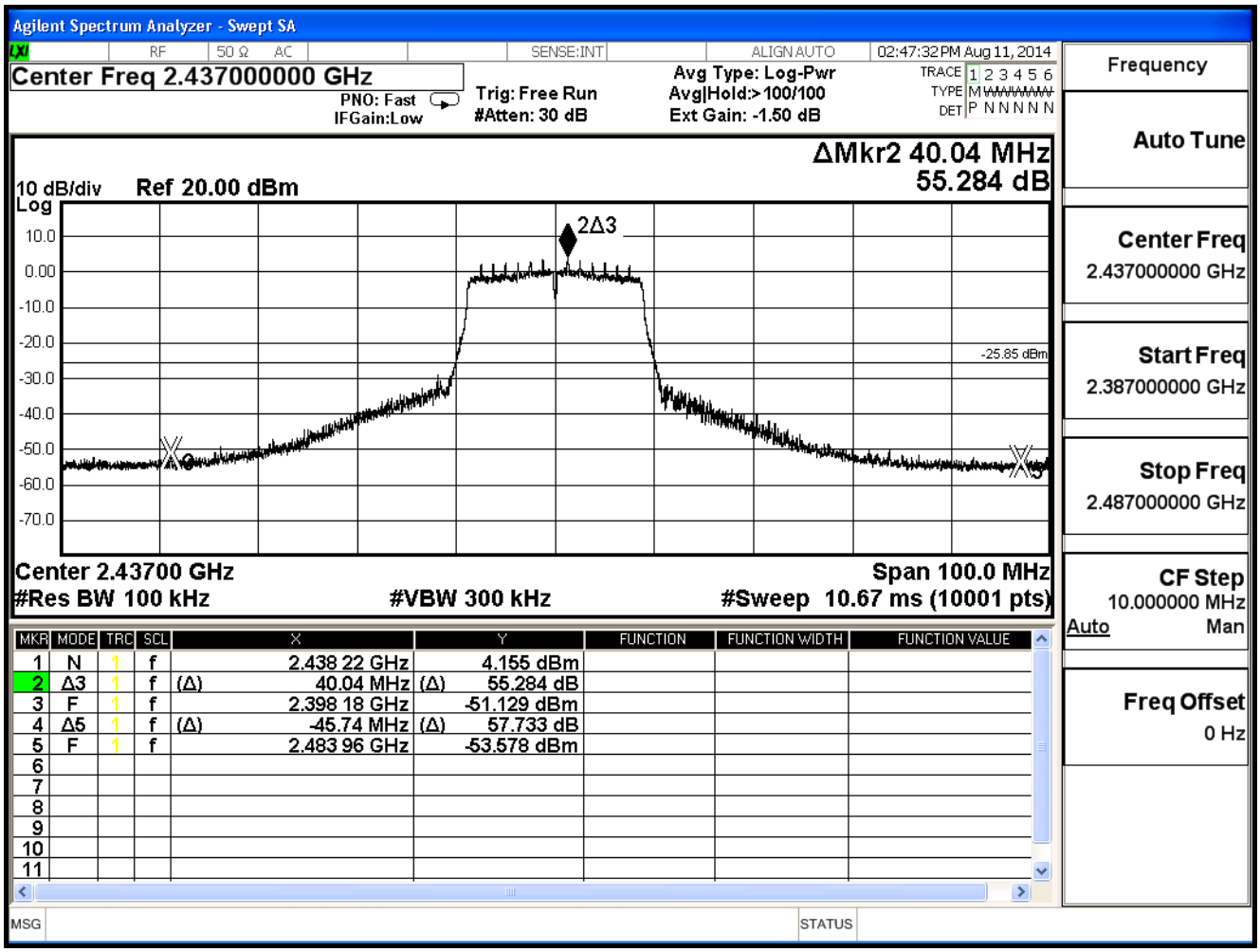
Product	Dual-band Wireless-AC1300 USB Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 2: Transmit (MIMO Mode)		
Date of Test	2014/08/12	Test Site	SR7

IEEE 802.11n (20MHz), (ANT 0) Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	37.490	≧30	Pass
6	2437	55.284	≧30	Pass
11	2462	48.298	≧30	Pass

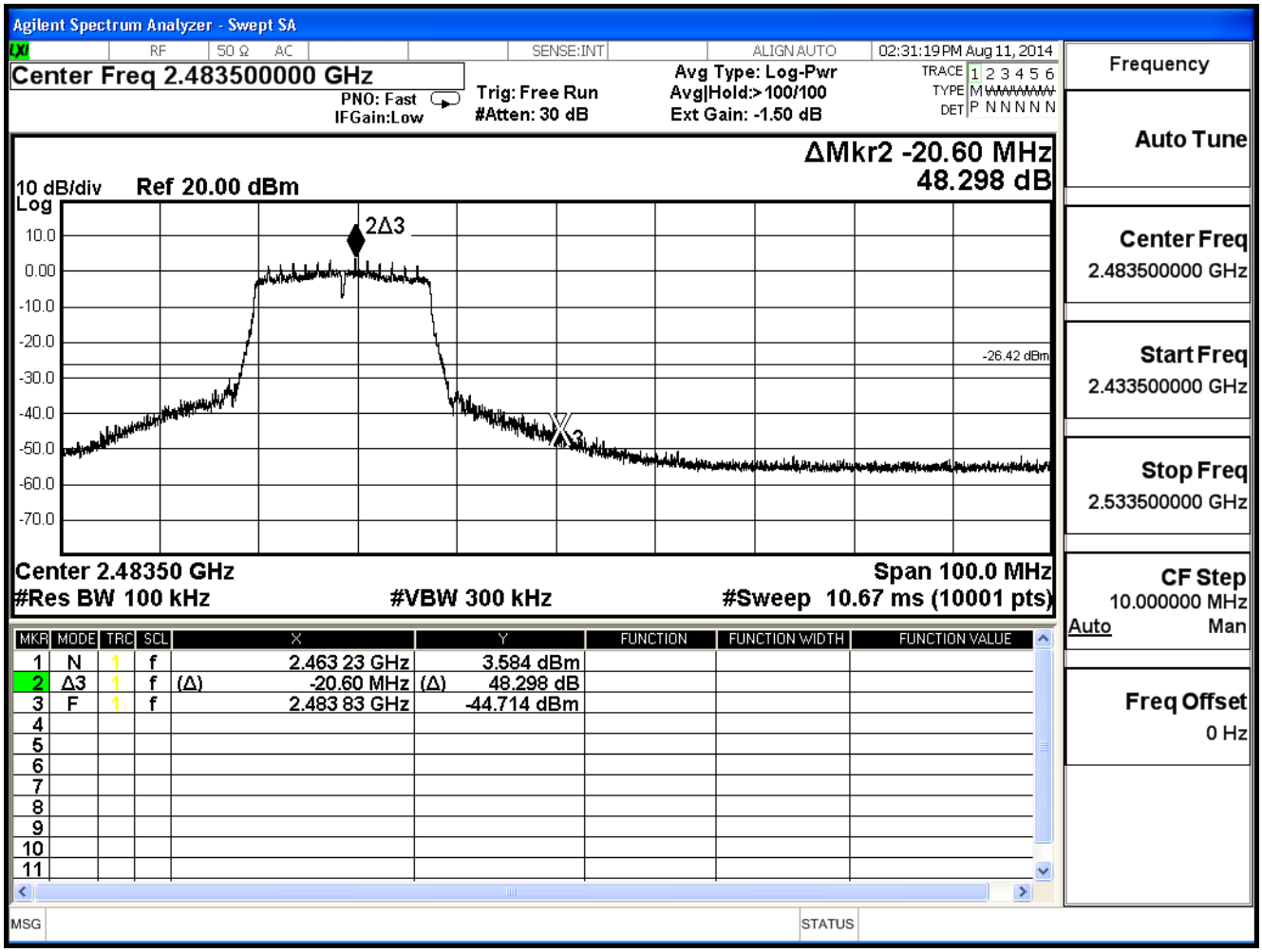
Channel 01 (2412MHz)



Channel 06 (2437MHz)



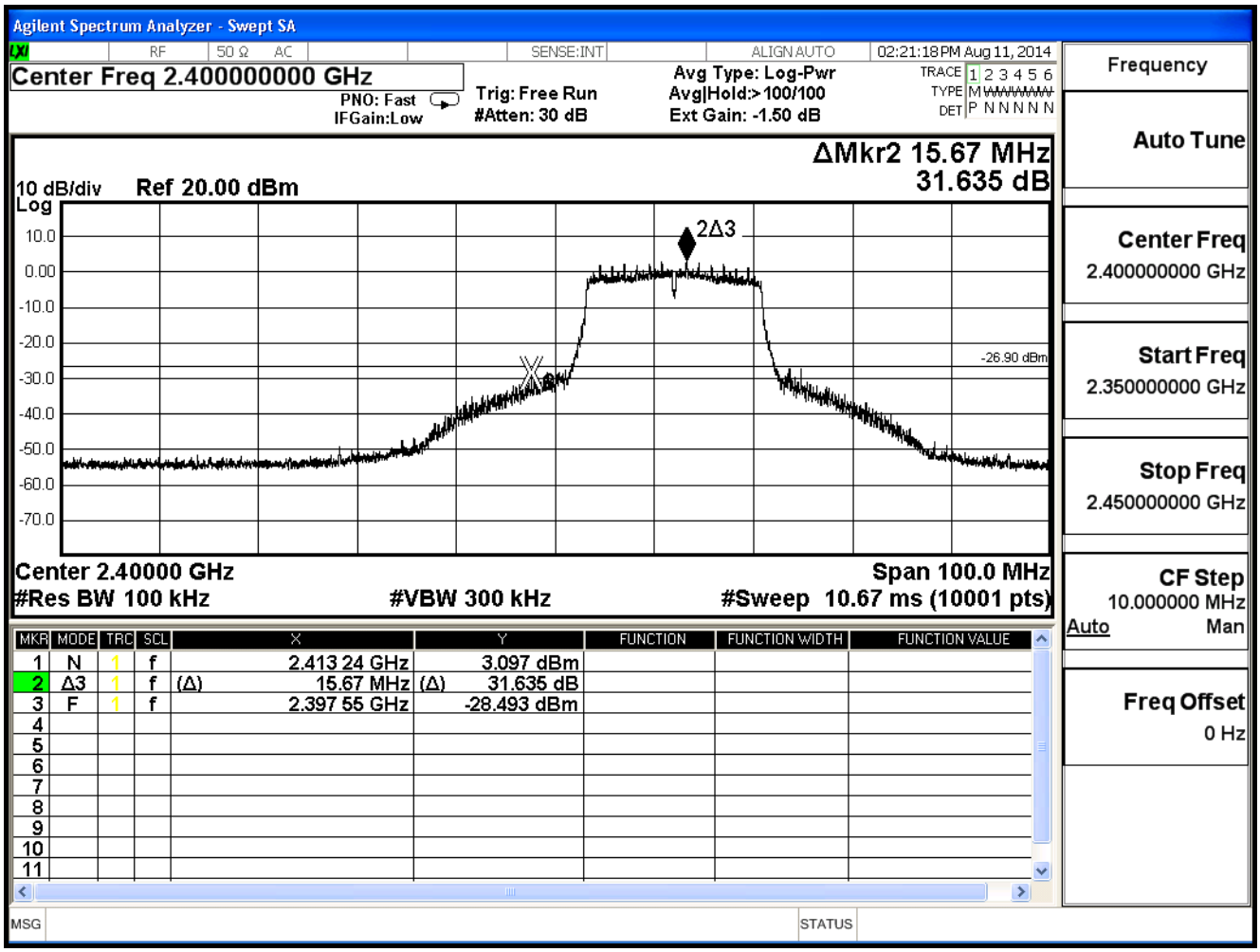
Channel 11 (2462MHz)



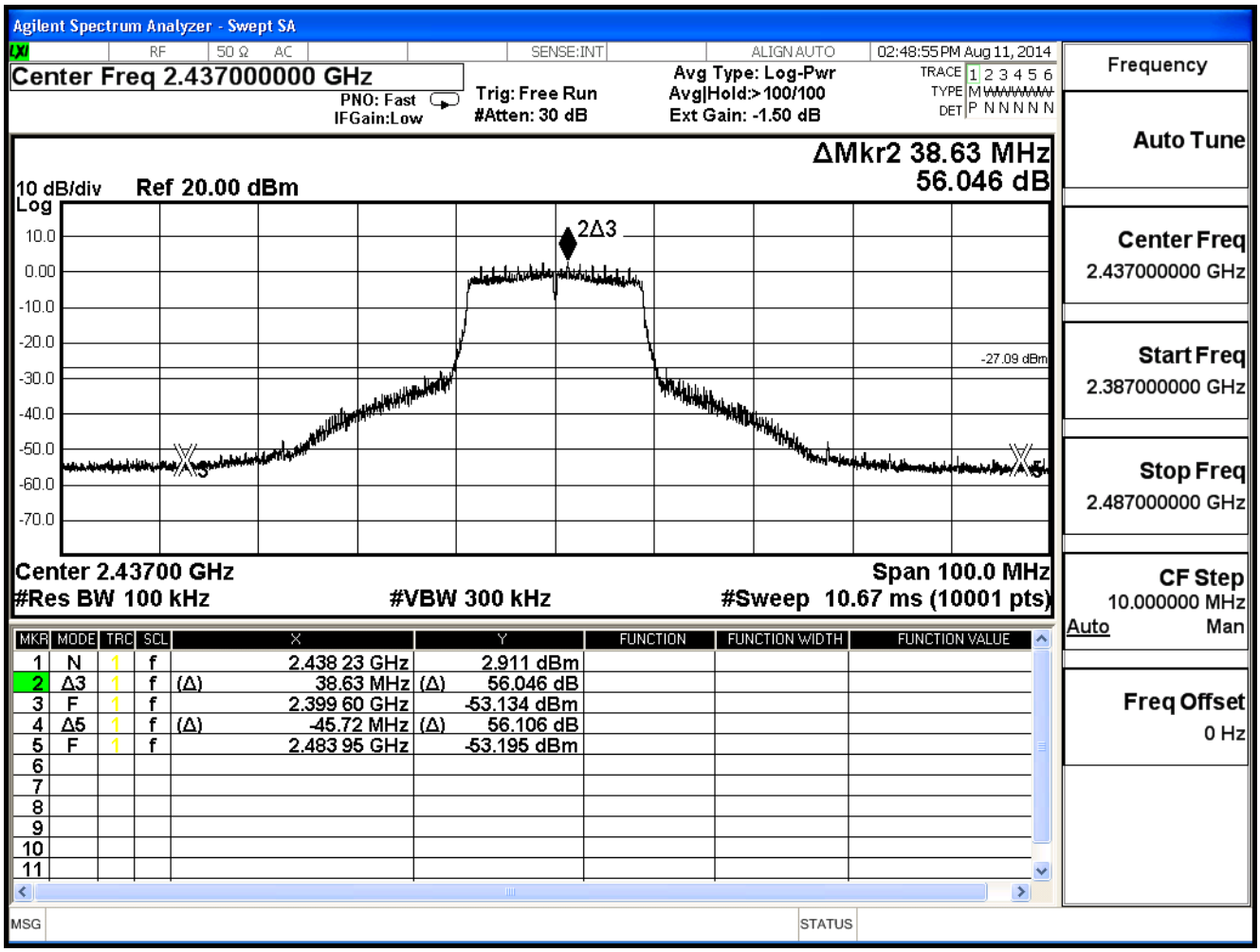
Product	Dual-band Wireless-AC1300 USB Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 2: Transmit (MIMO Mode)		
Date of Test	2014/08/12	Test Site	SR7

IEEE 802.11n (20MHz), (ANT 1) Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	31.635	≧30	Pass
6	2437	56.046	≧30	Pass
11	2462	44.708	≧30	Pass

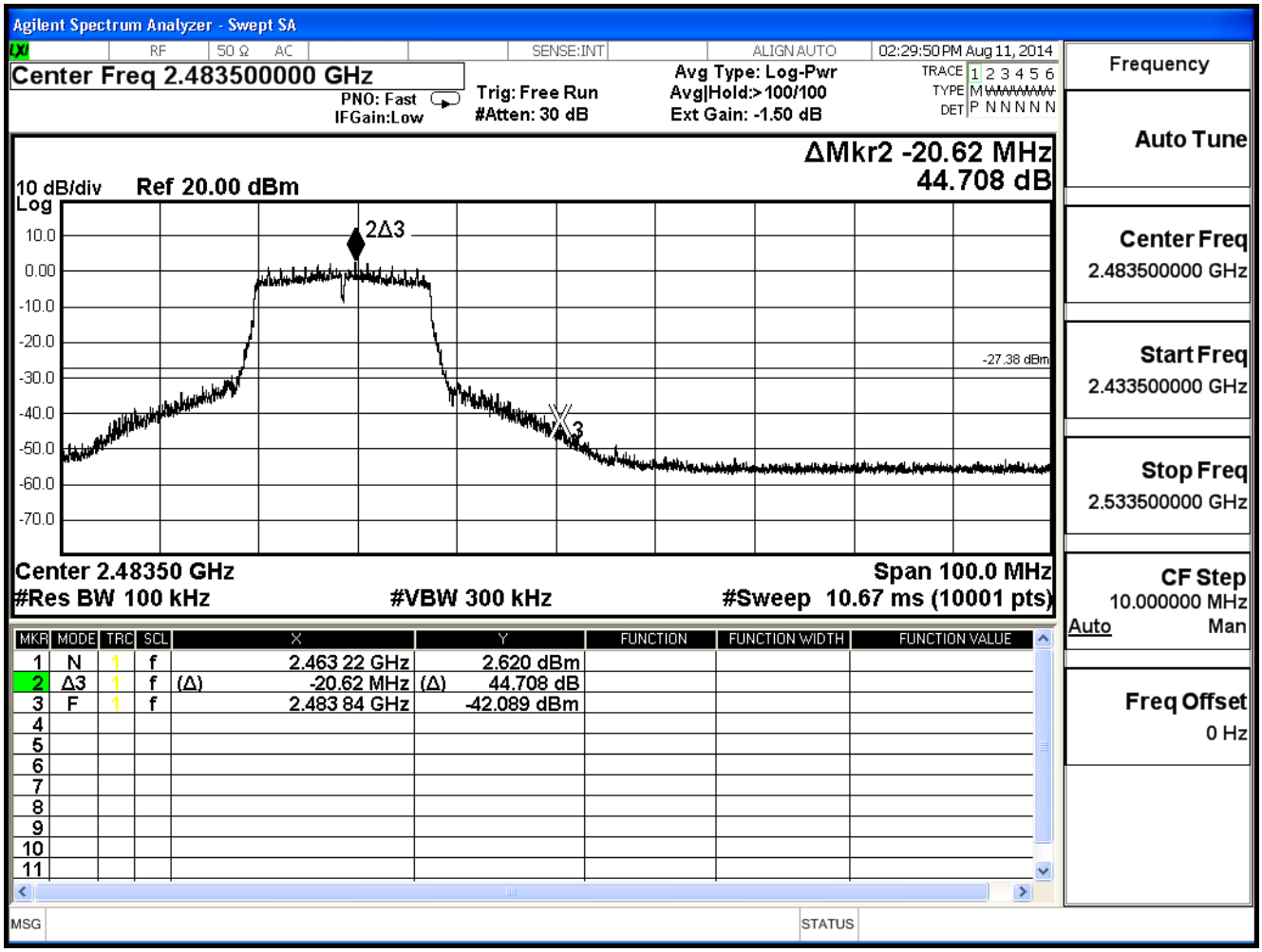
Channel 01 (2412MHz)



Channel 06 (2437MHz)



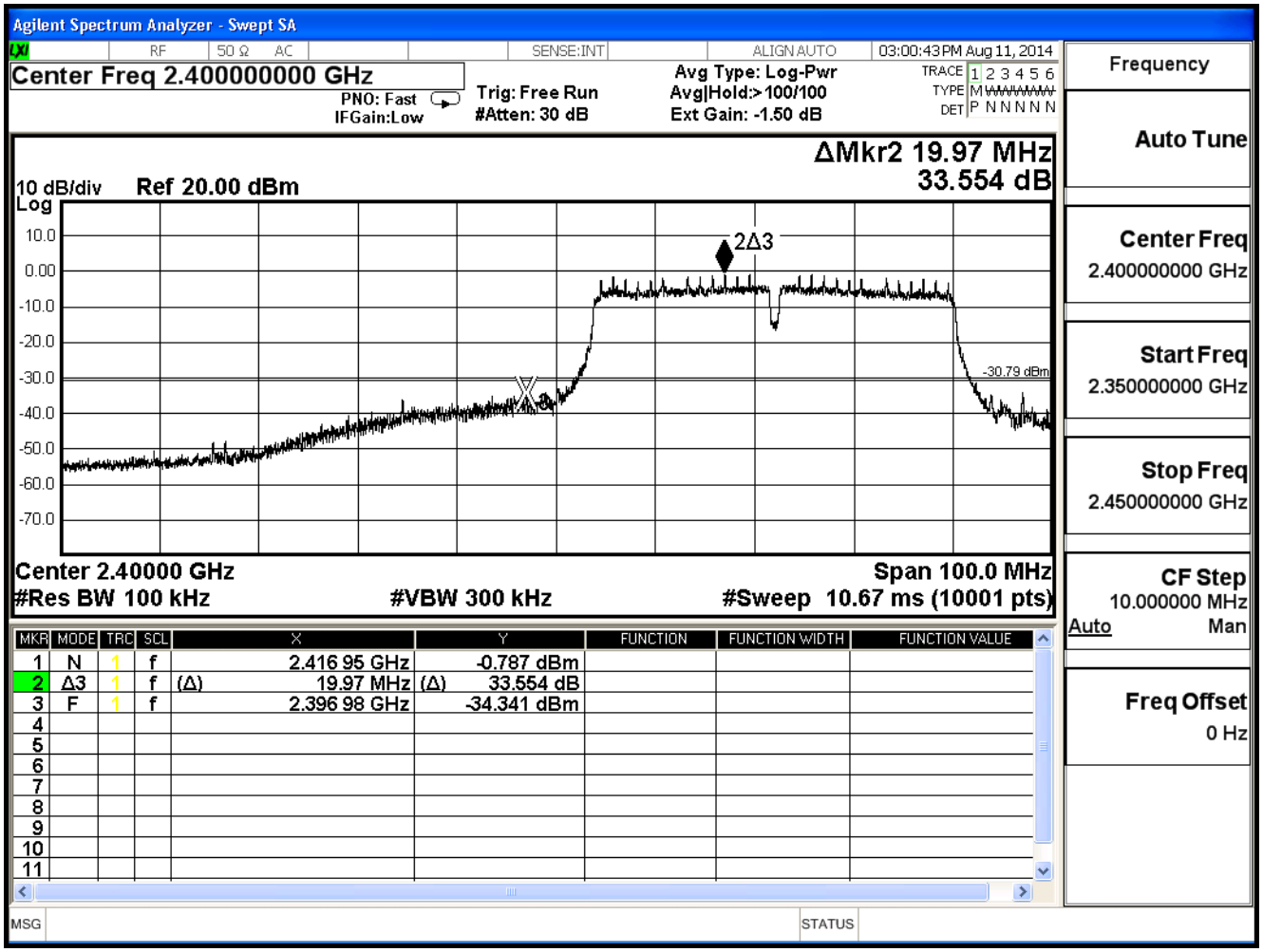
Channel 11 (2462MHz)



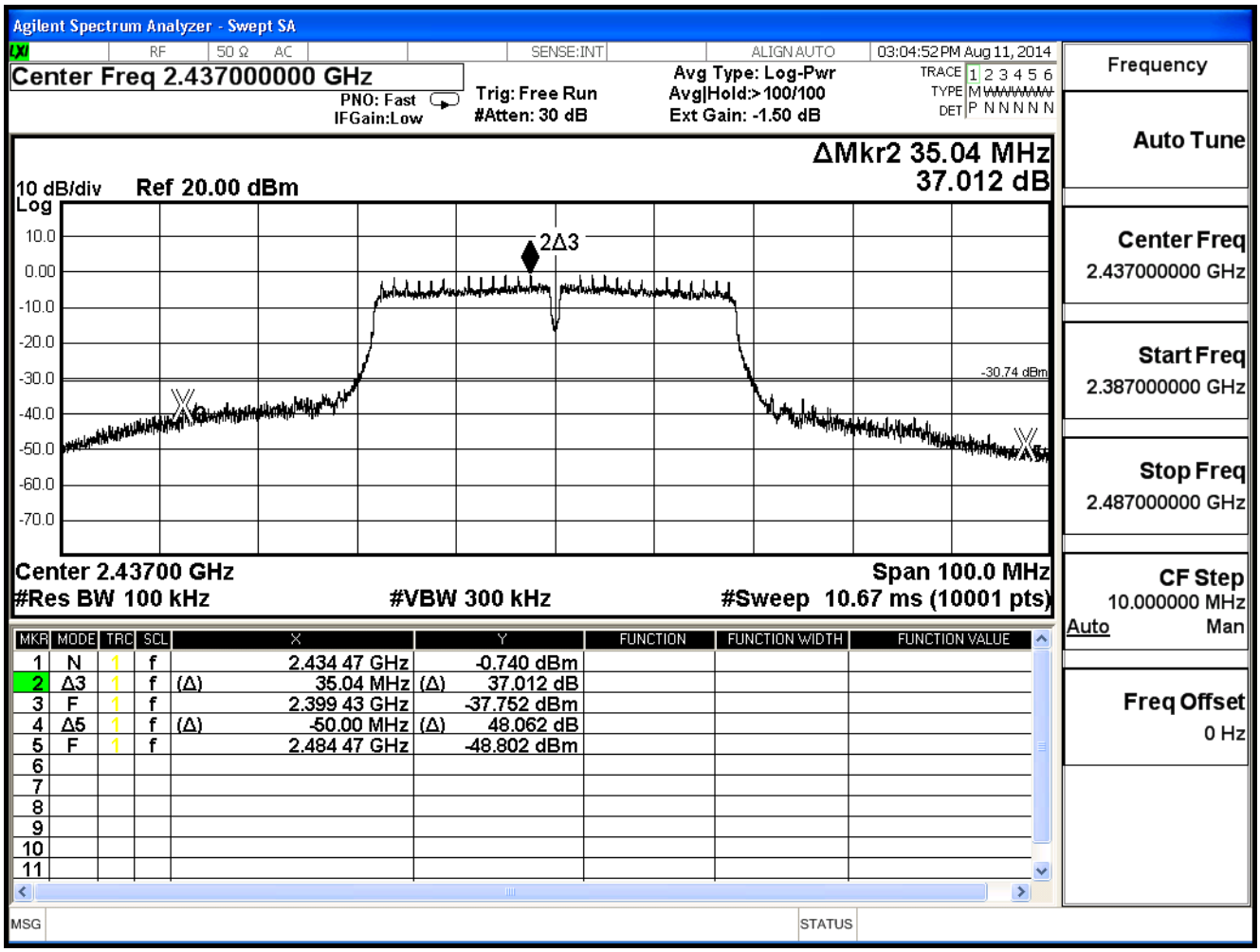
Product	Dual-band Wireless-AC1300 USB Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 2: Transmit (MIMO Mode)		
Date of Test	2014/08/12	Test Site	SR7

IEEE 802.11n (40MHz), (ANT 0) Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	33.554	≧30	Pass
6	2437	37.012	≧30	Pass
9	2452	41.463	≧30	Pass

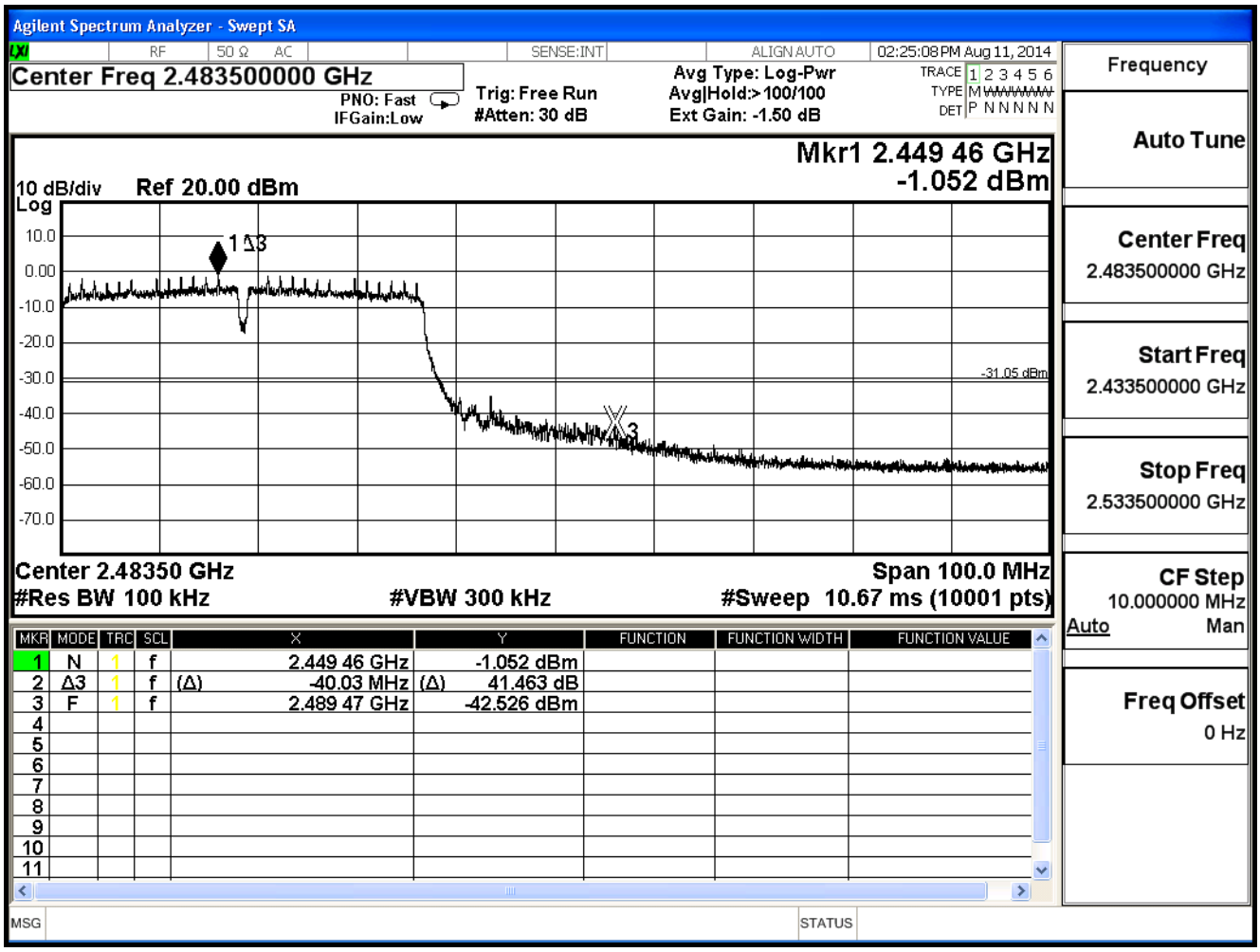
Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)

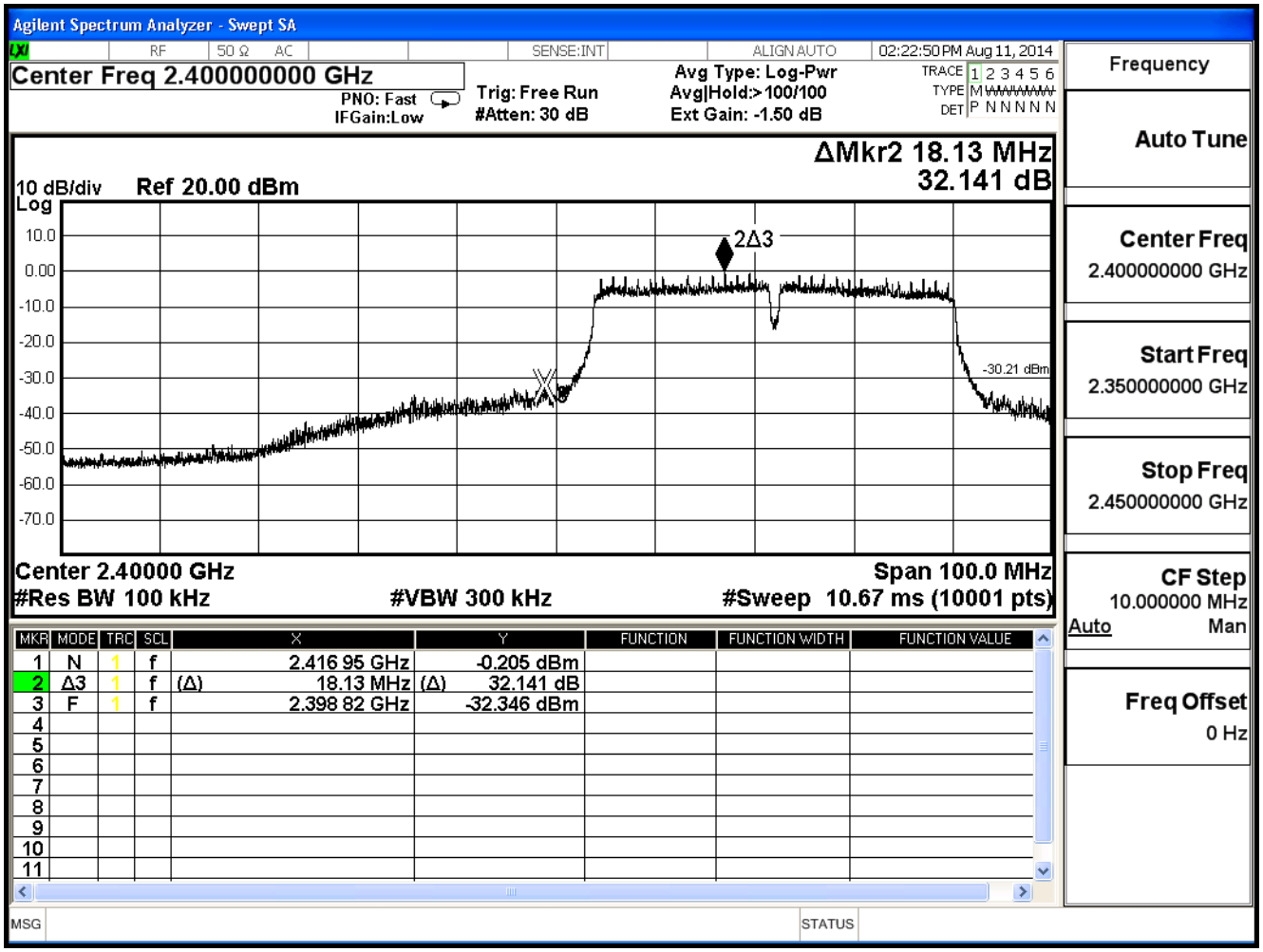


Product	Dual-band Wireless-AC1300 USB Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 2: Transmit (MIMO Mode)		
Date of Test	2014/08/12	Test Site	SR7

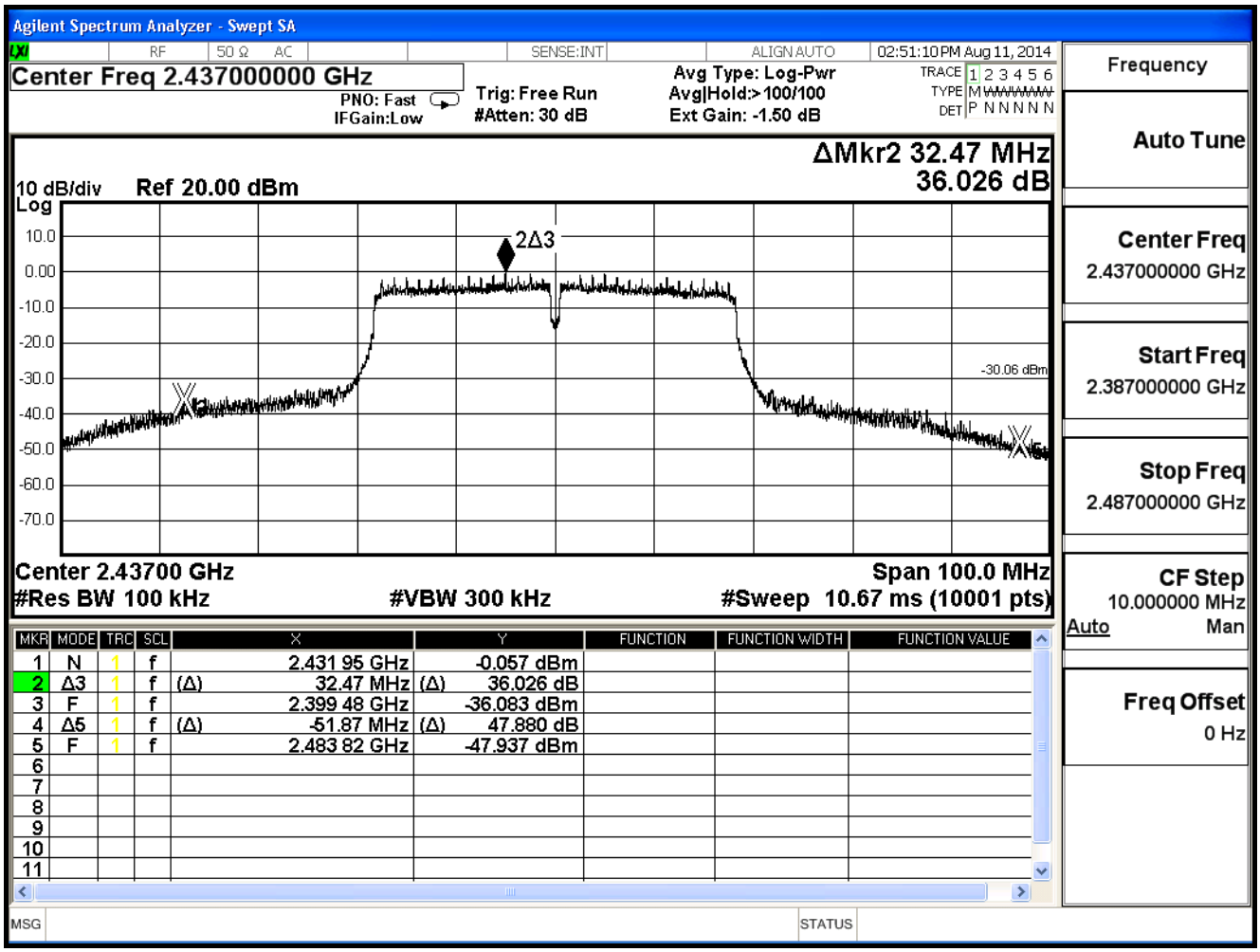
IEEE 802.11n (40MHz), (ANT 1) Duty Cycle: 1

Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	32.141	≧30	Pass
6	2437	36.026	≧30	Pass
9	2452	38.957	≧30	Pass

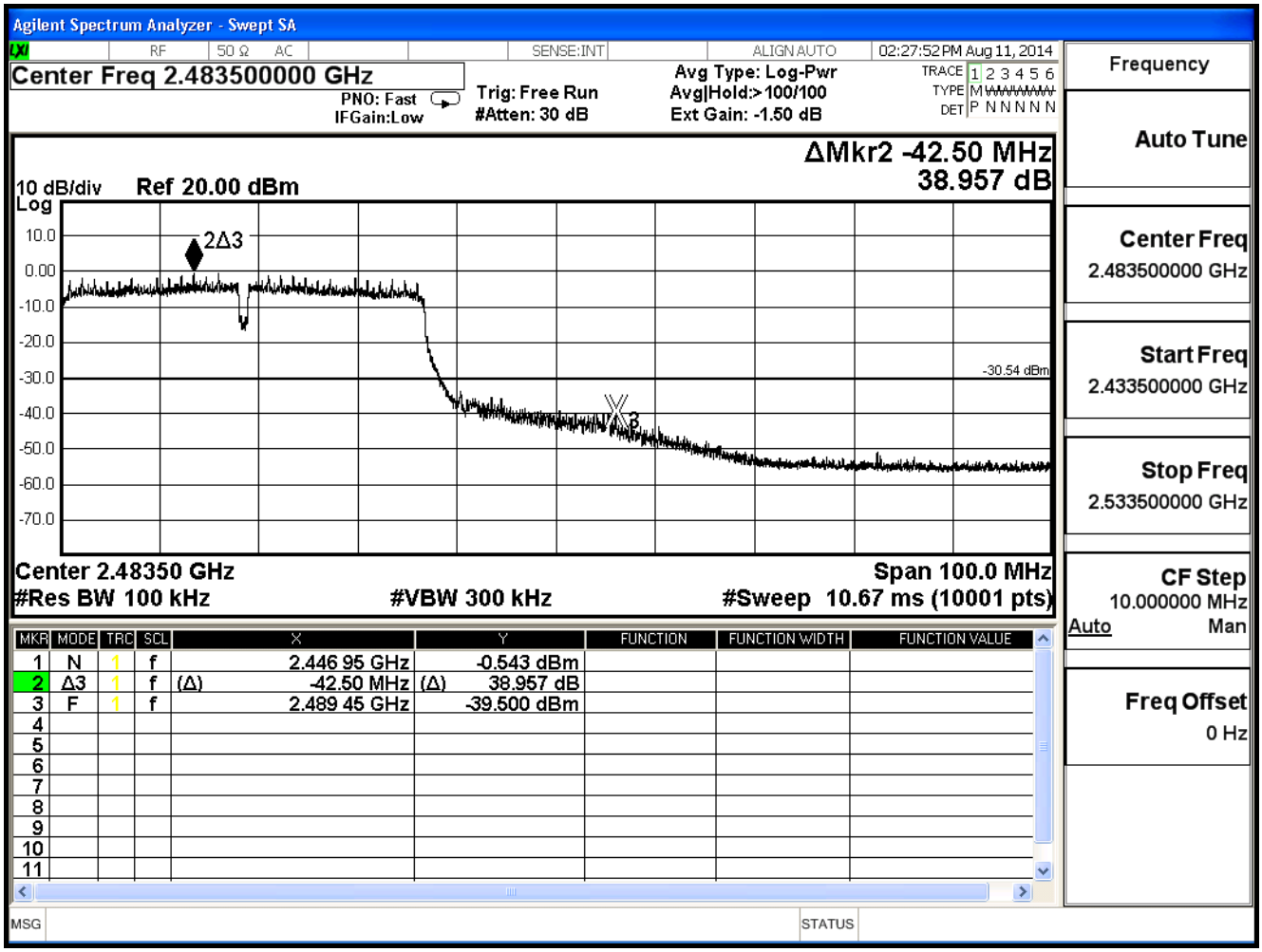
Channel 03 (2422MHz)



Channel 06 (2437MHz)

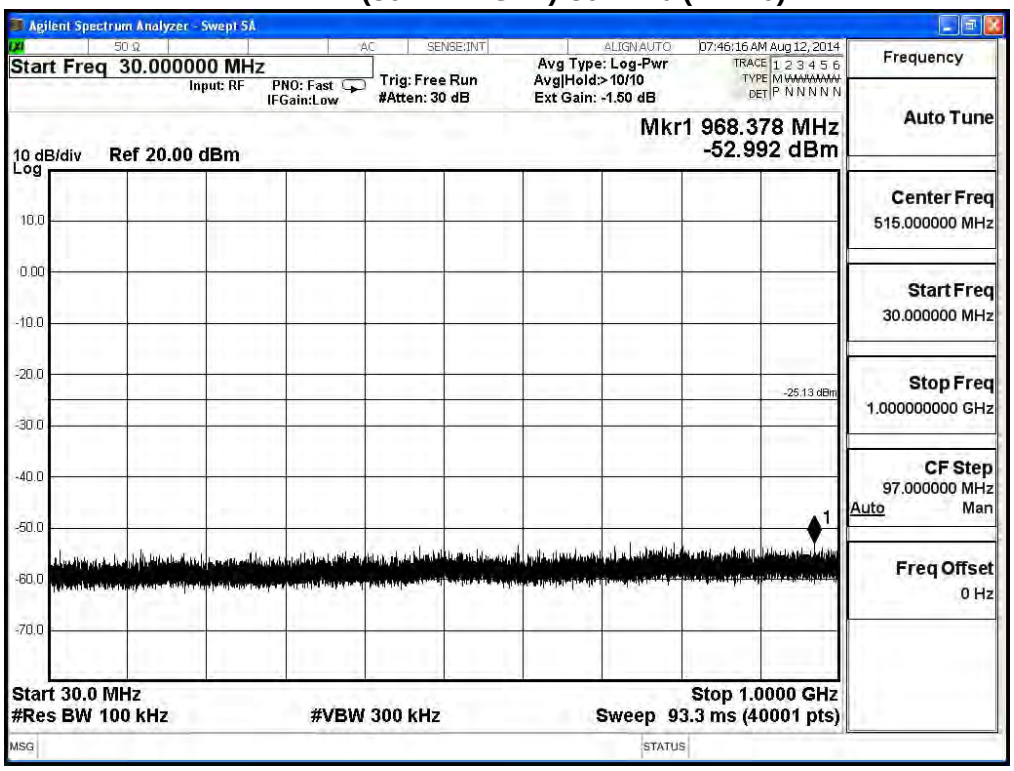


Channel 09 (2452MHz)

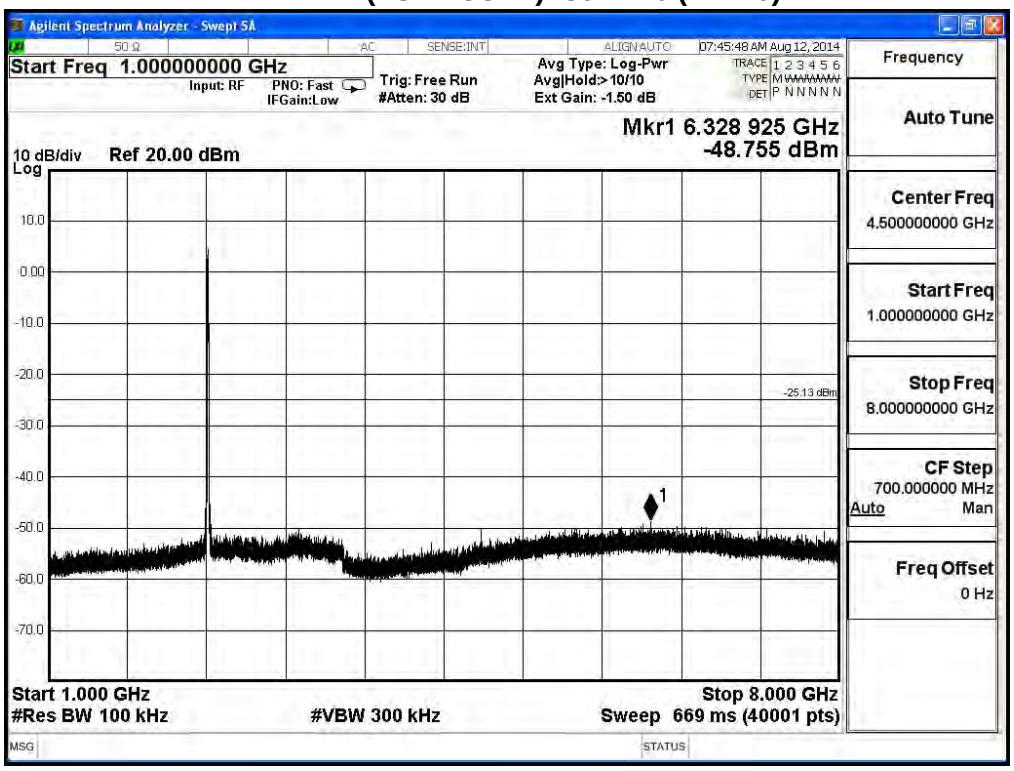


Product	Dual-band Wireless-AC1300 USB Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/08/12	Test Site	SR7

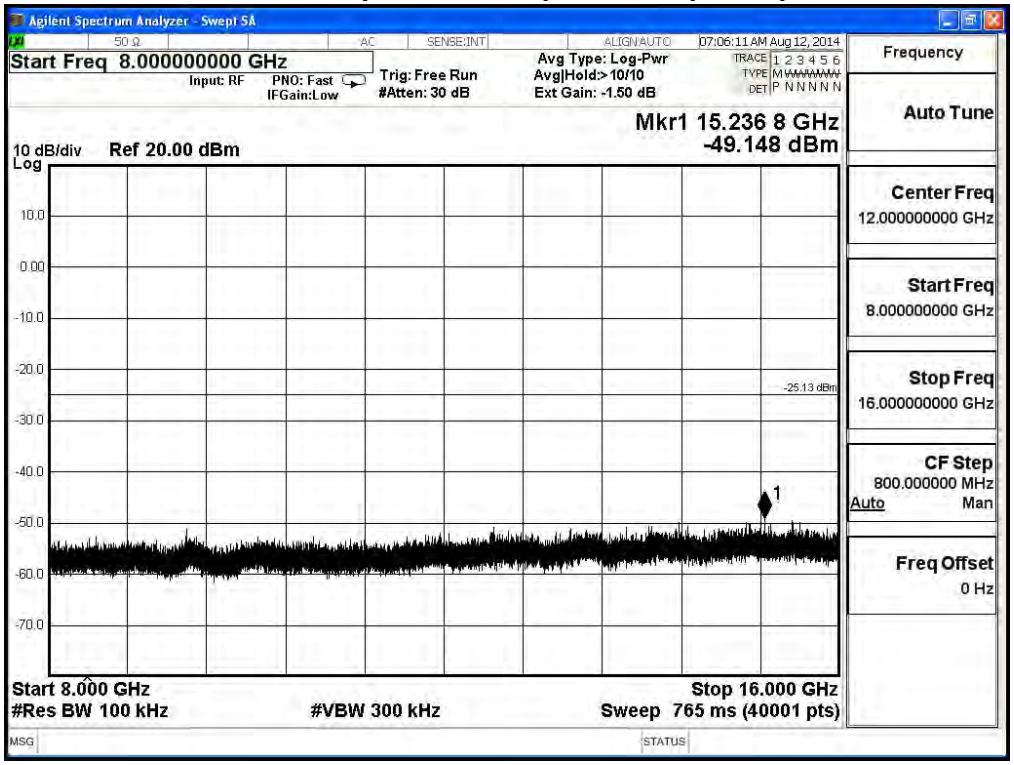
2412MHz (30MHz-1GHz)-802.11b (ANT 0)



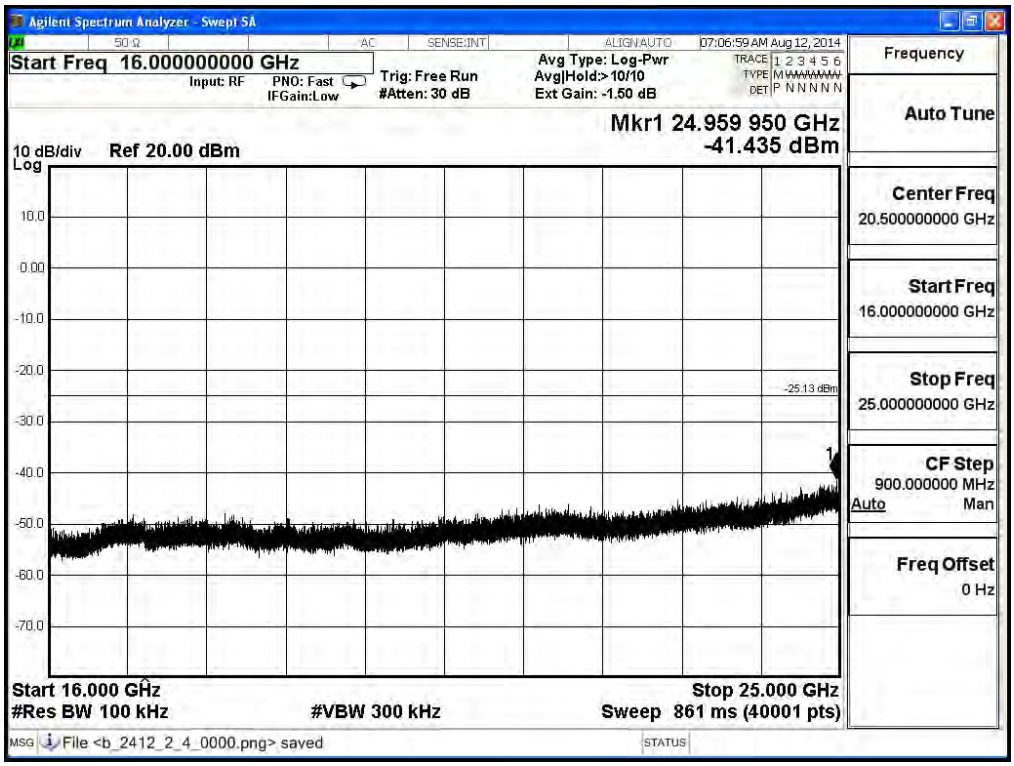
2412MHz (1GHz-8GHz) -802.11b (ANT 0)



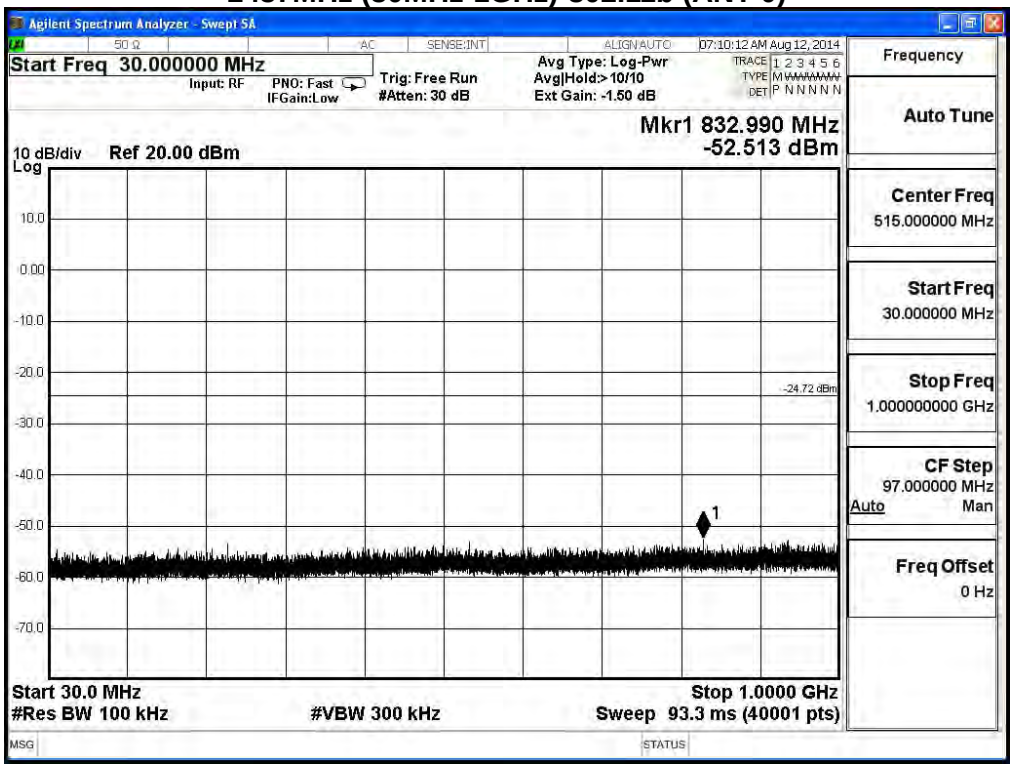
2412MHz (8GHz-16GHz) -802.11b (ANT 0)



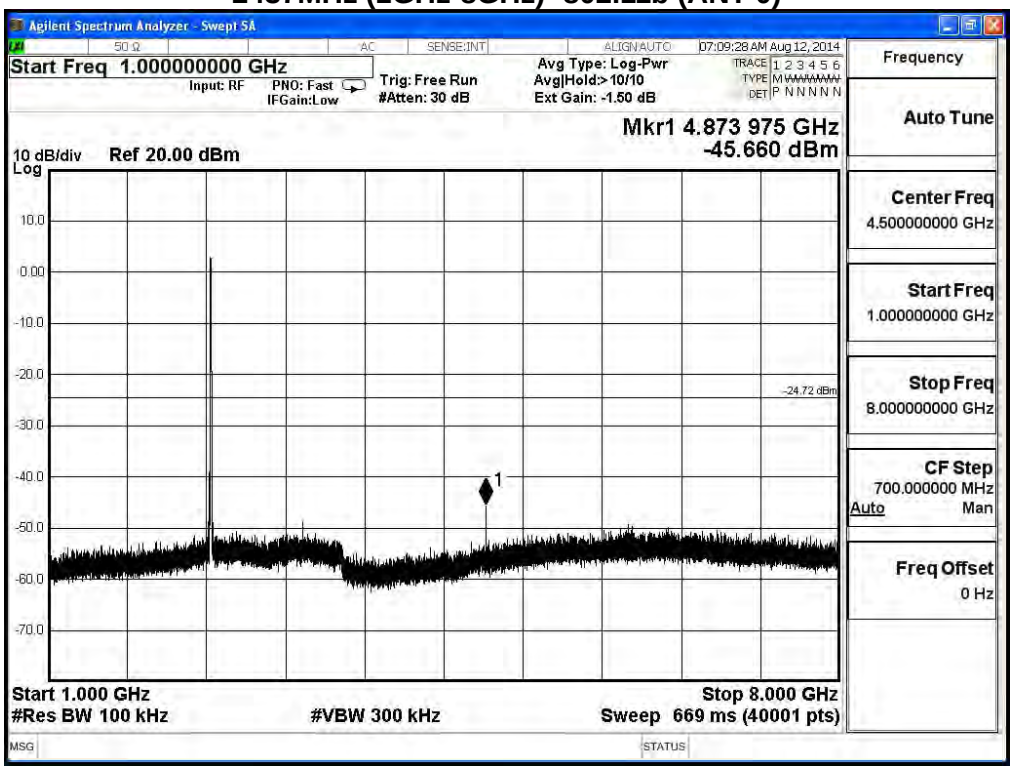
2412MHz (16GHz-25GHz) -802.11b (ANT 0)



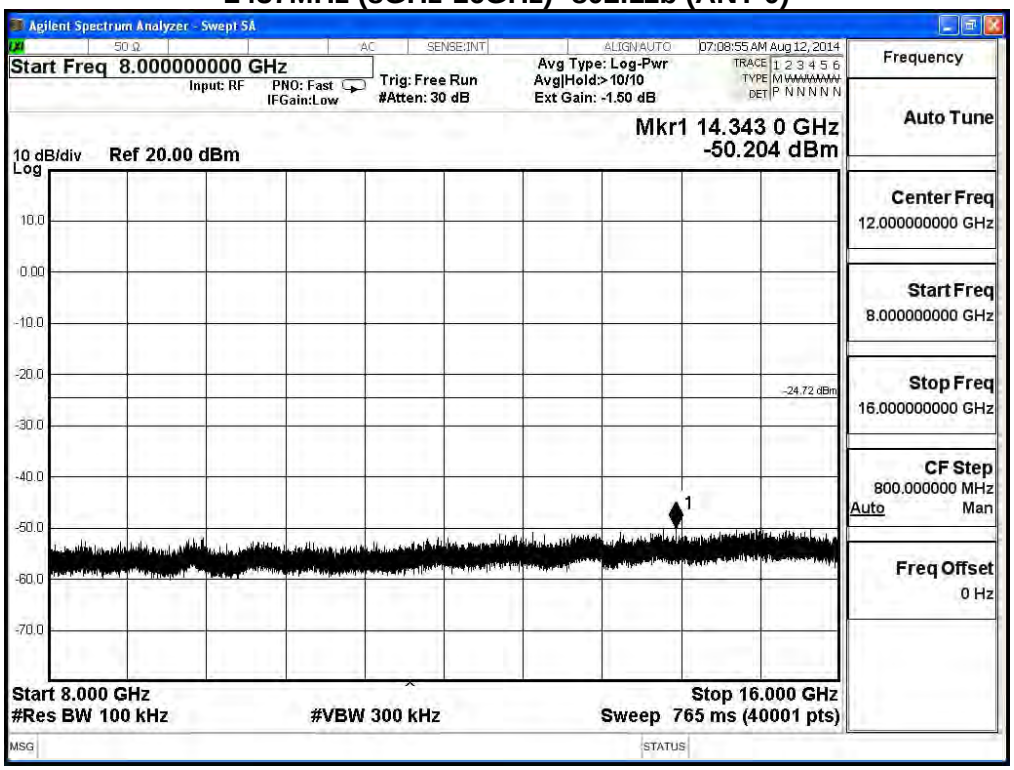
2437MHz (30MHz-1GHz)-802.11b (ANT 0)



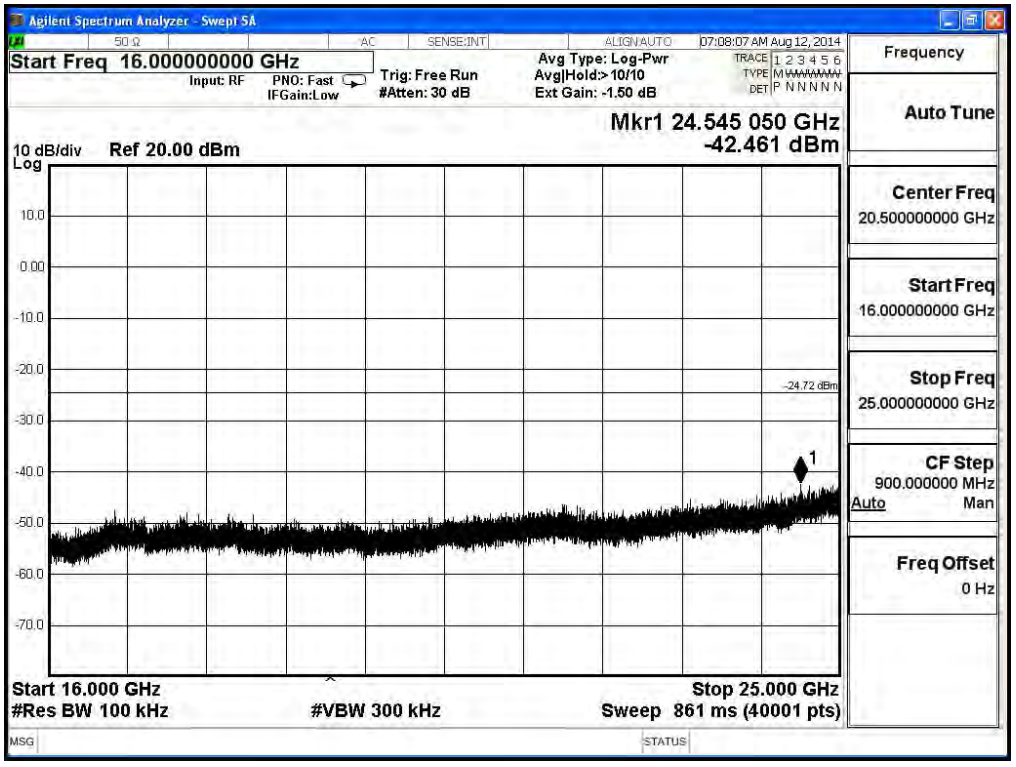
2437MHz (1GHz-8GHz) -802.11b (ANT 0)



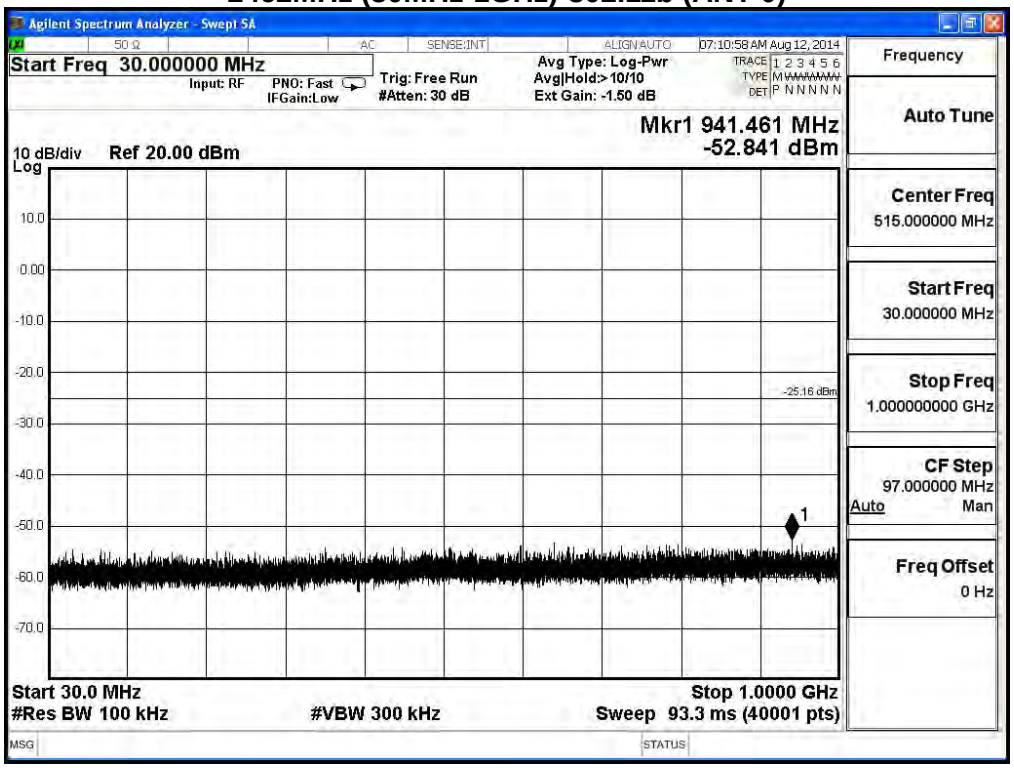
2437MHz (8GHz-16GHz) -802.11b (ANT 0)



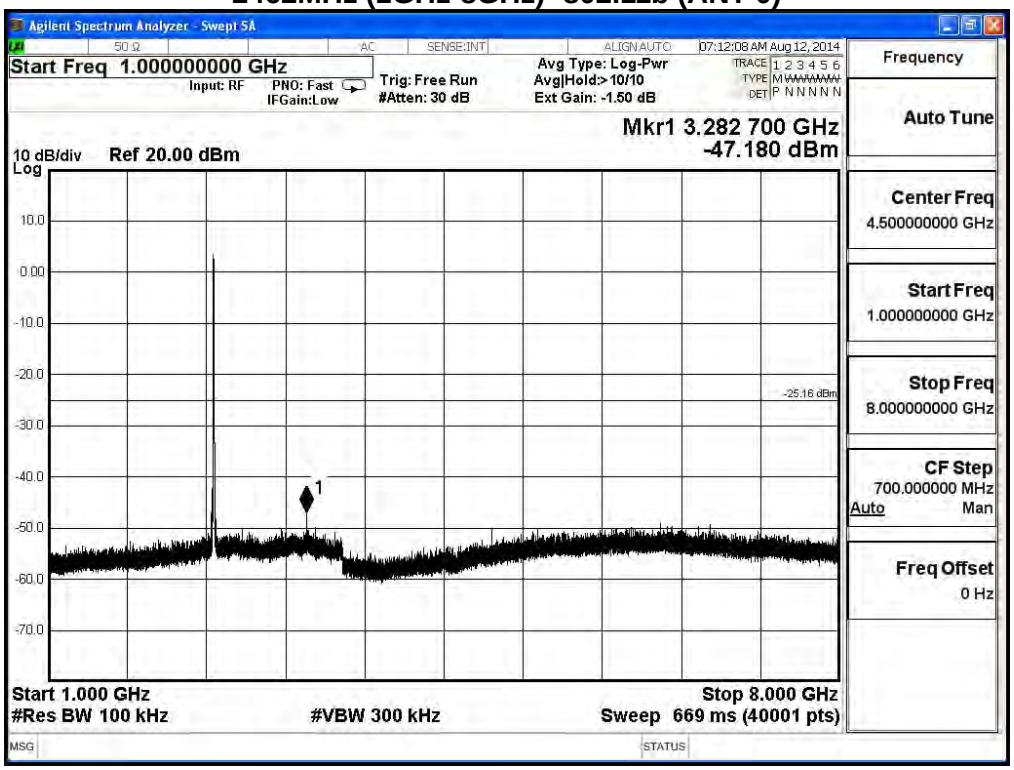
2437MHz (16GHz-25GHz) -802.11b (ANT 0)



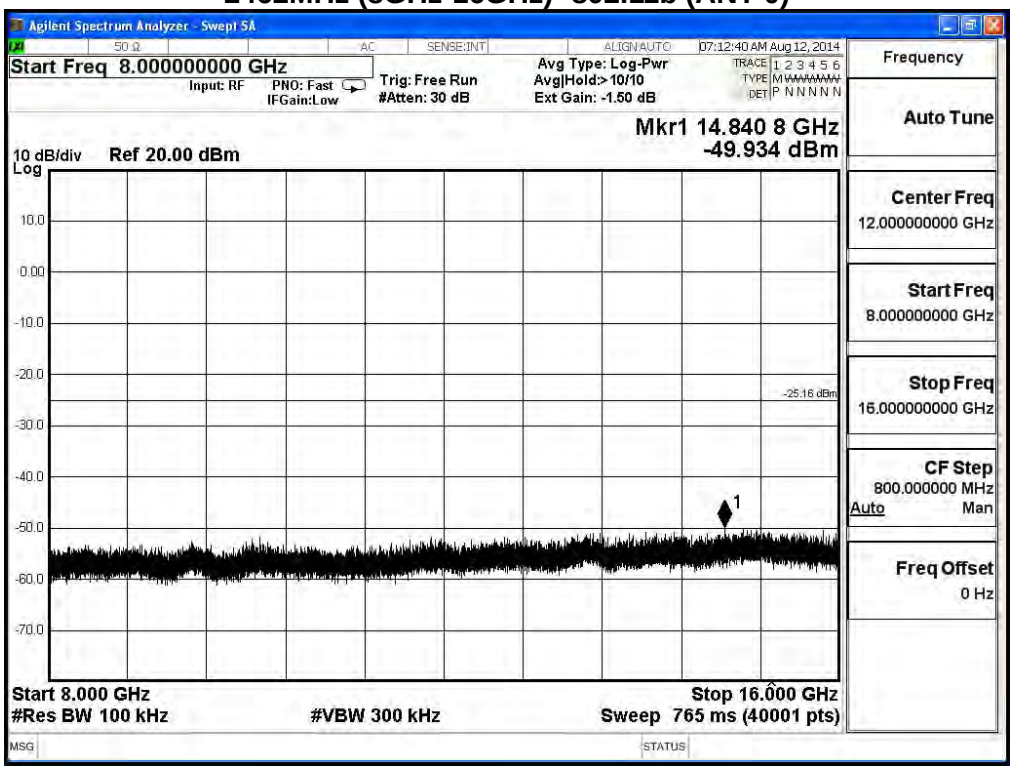
2462MHz (30MHz-1GHz)-802.11b (ANT 0)



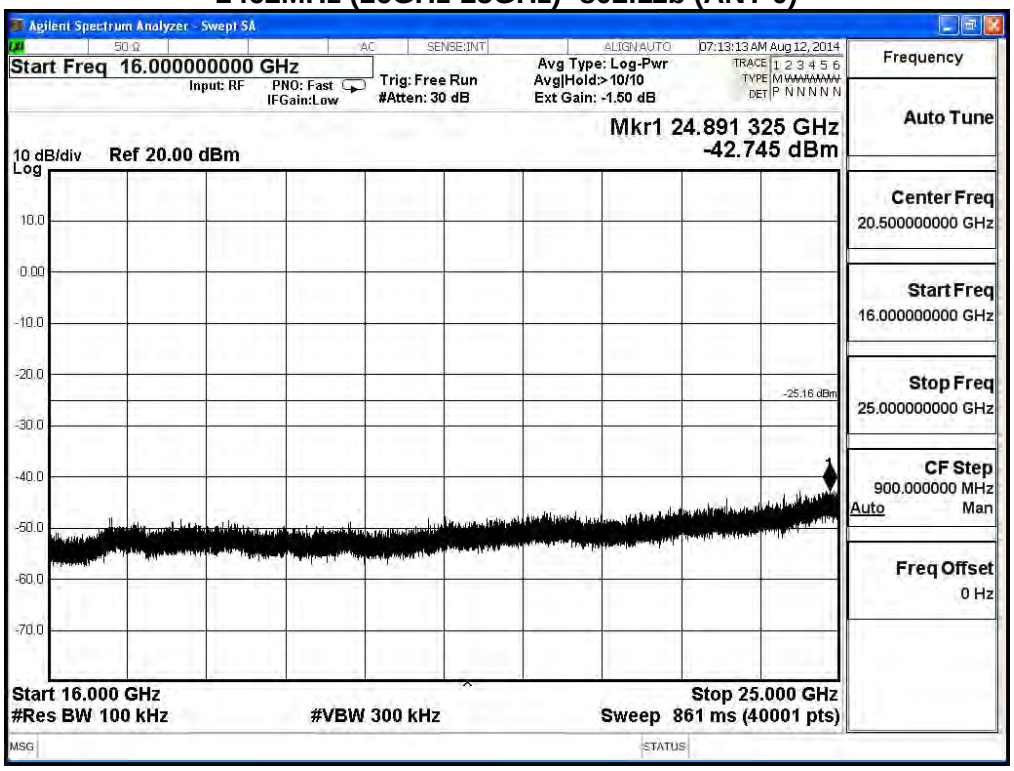
2462MHz (1GHz-8GHz) -802.11b (ANT 0)



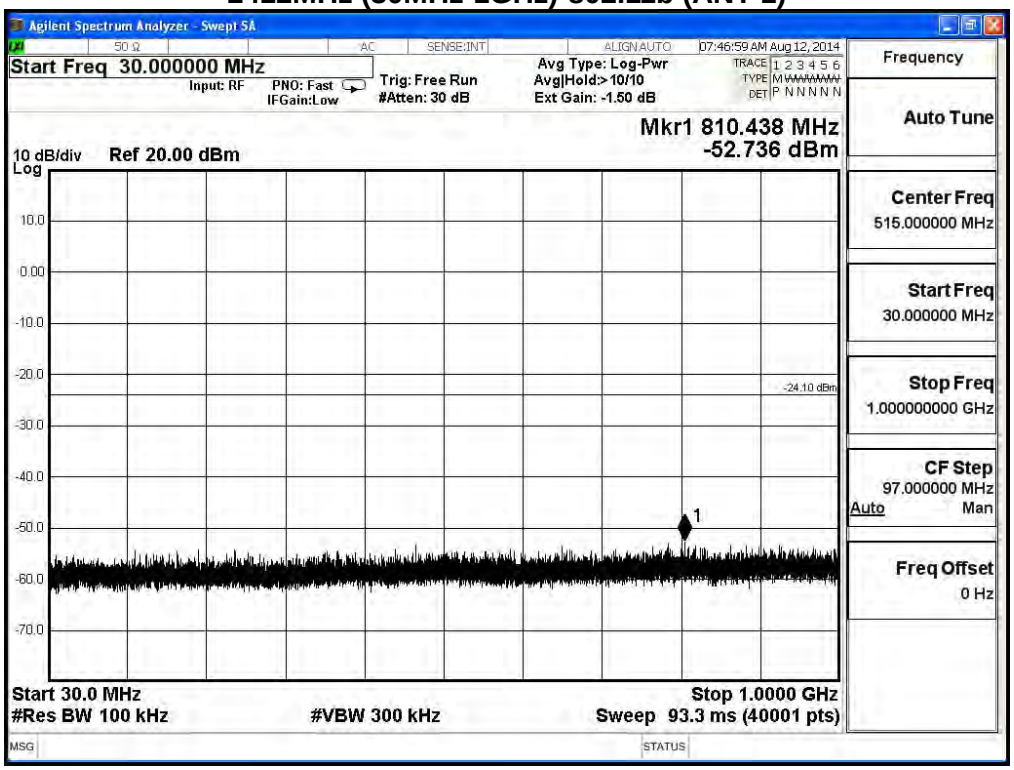
2462MHz (8GHz-16GHz) -802.11b (ANT 0)



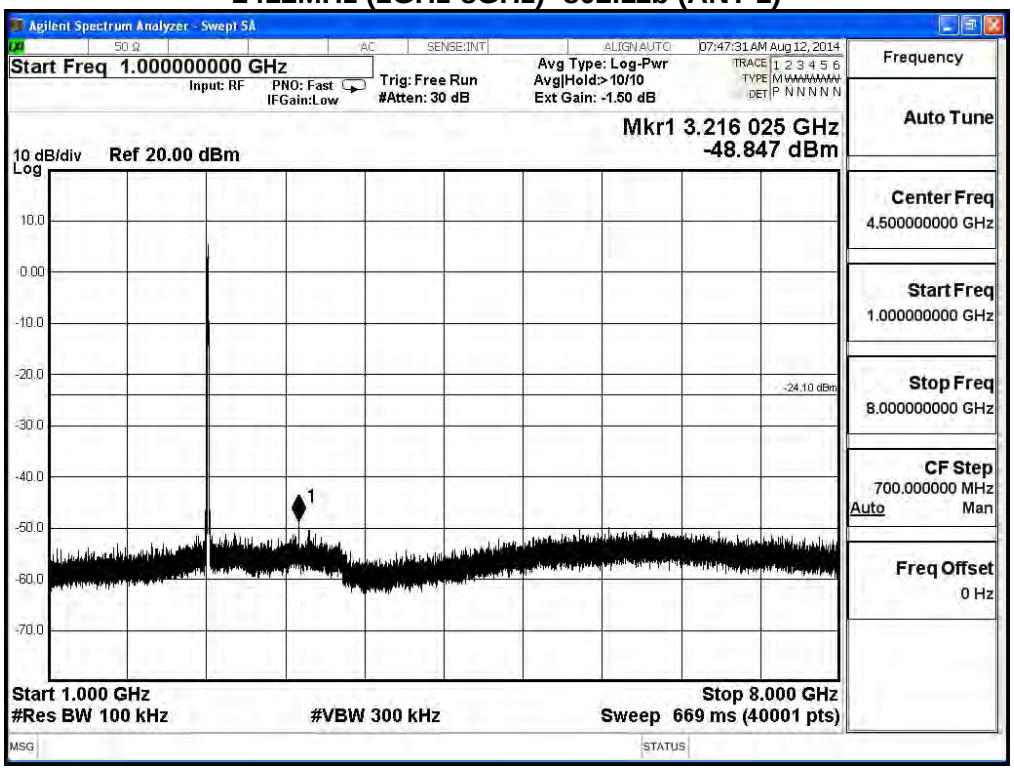
2462MHz (16GHz-25GHz) -802.11b (ANT 0)



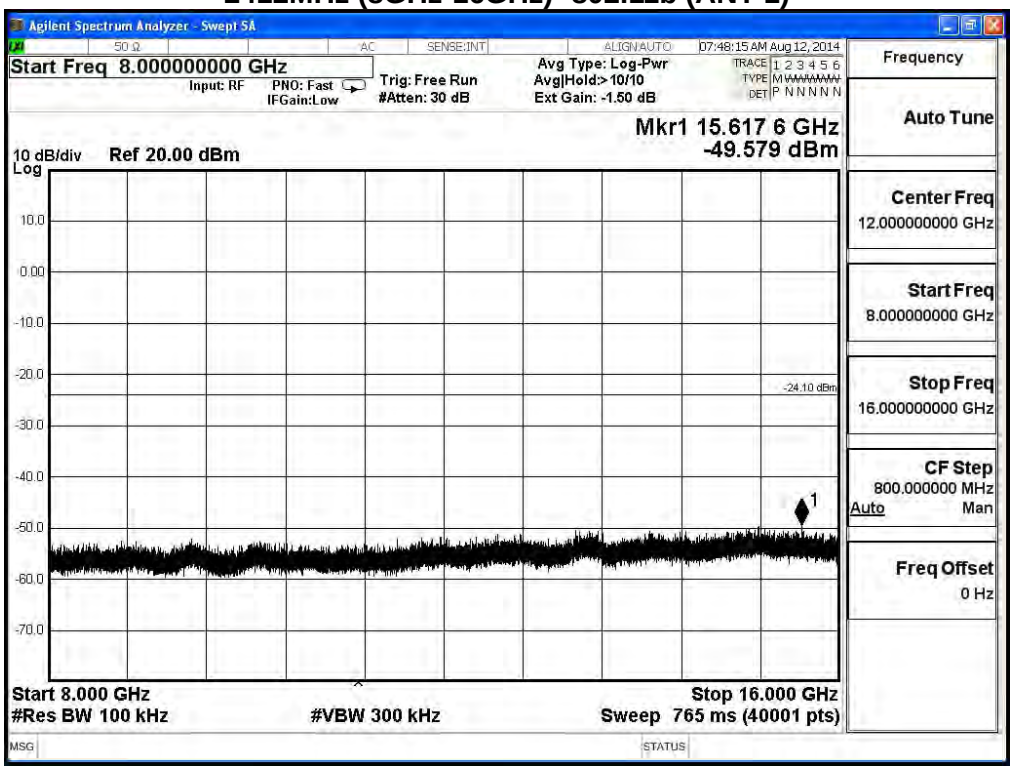
2412MHz (30MHz-1GHz)-802.11b (ANT 1)



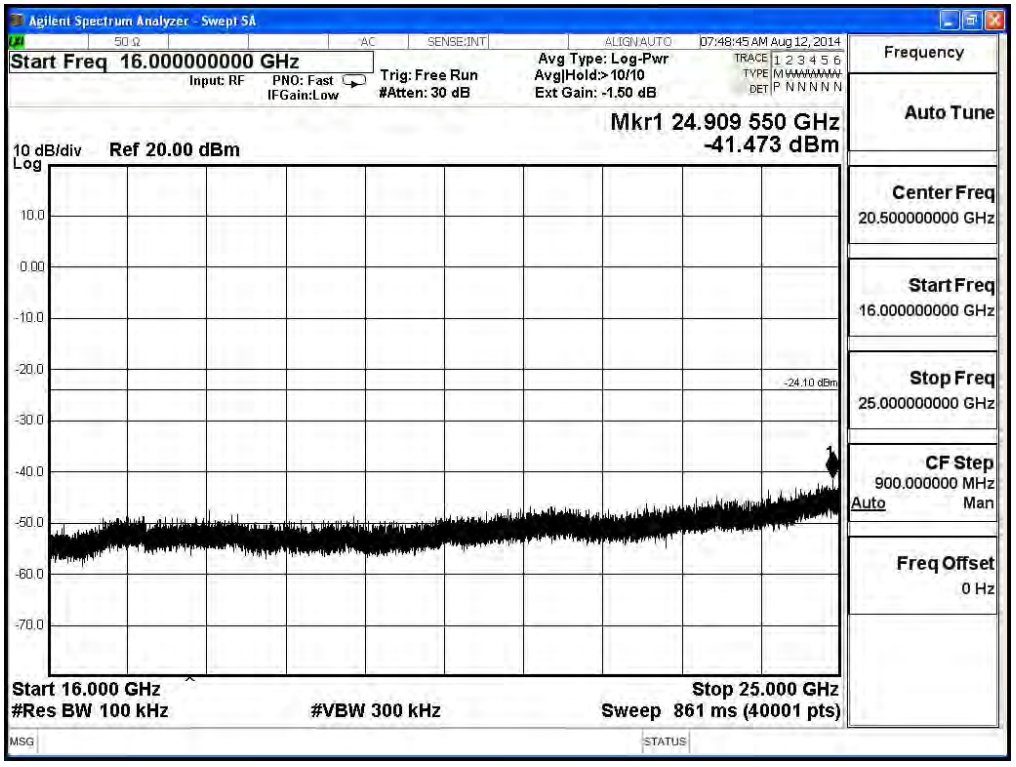
2412MHz (1GHz-8GHz) -802.11b (ANT 1)



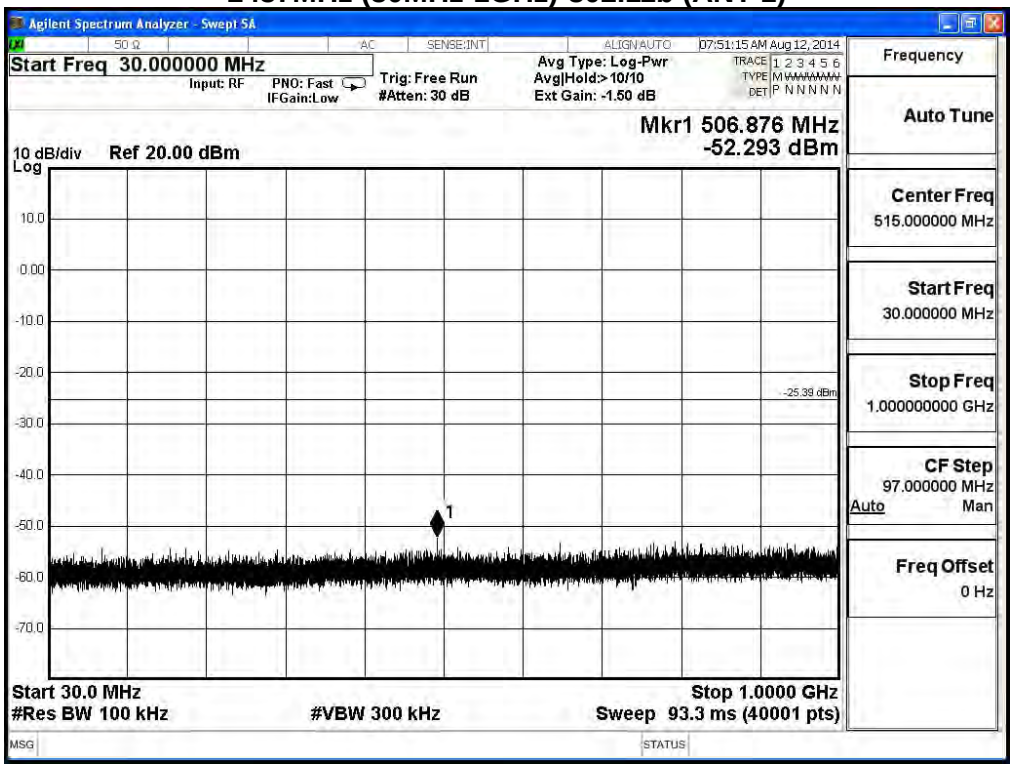
2412MHz (8GHz-16GHz) -802.11b (ANT 1)



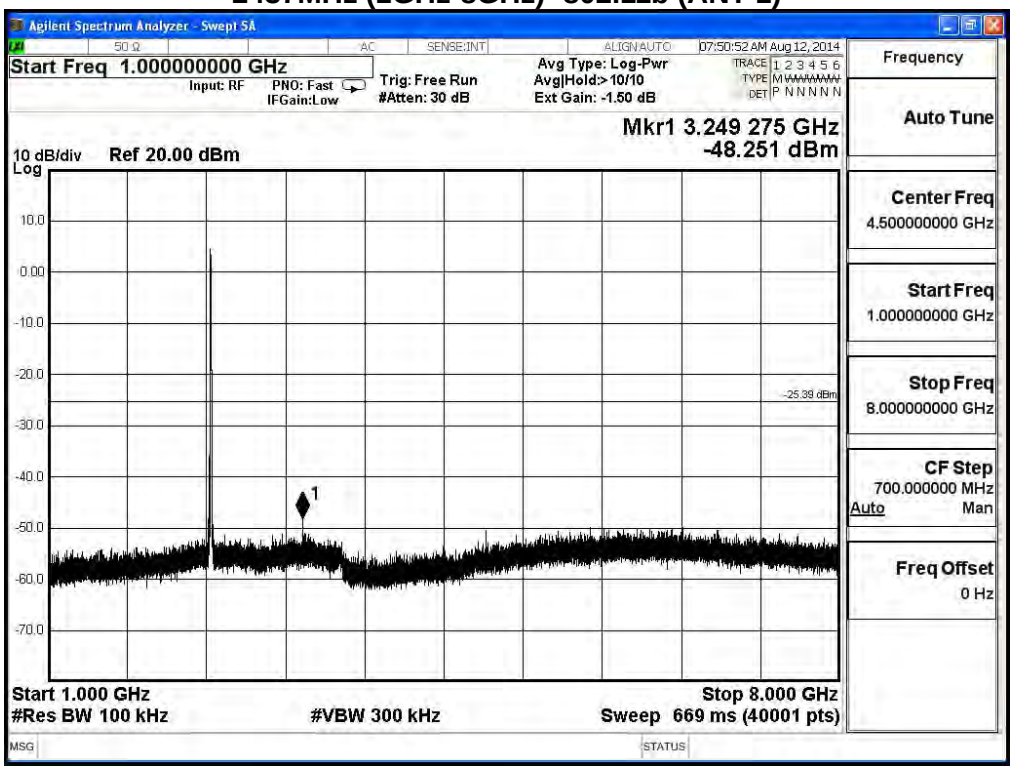
2412MHz (16GHz-25GHz) -802.11b (ANT 1)



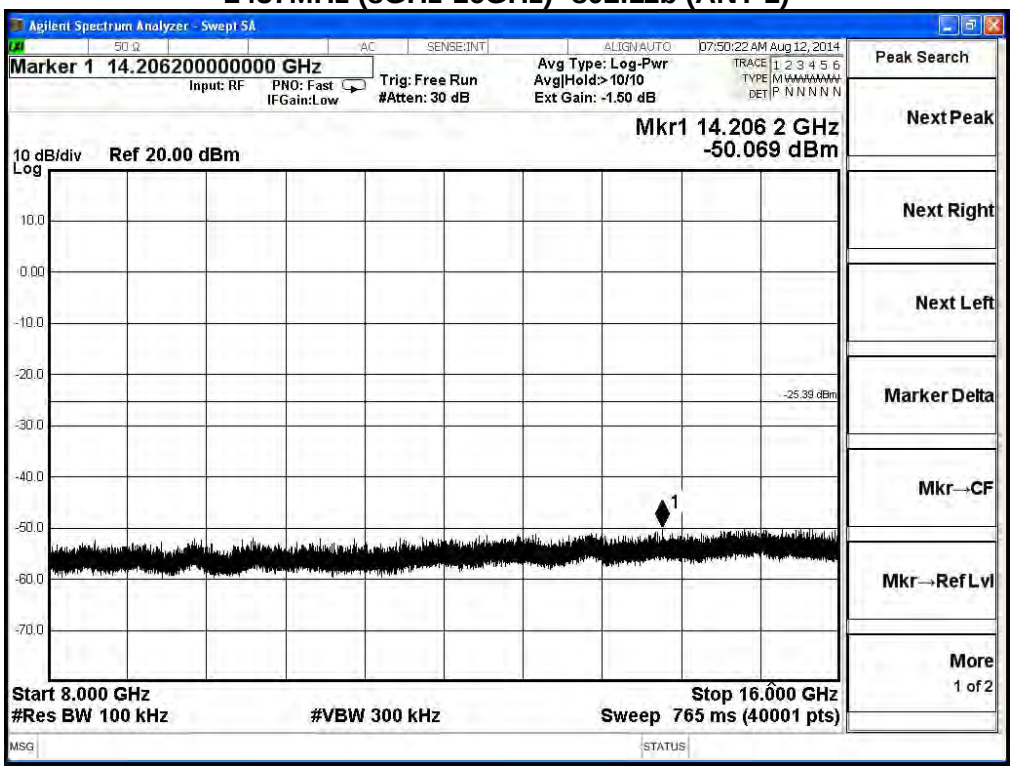
2437MHz (30MHz-1GHz)-802.11b (ANT 1)



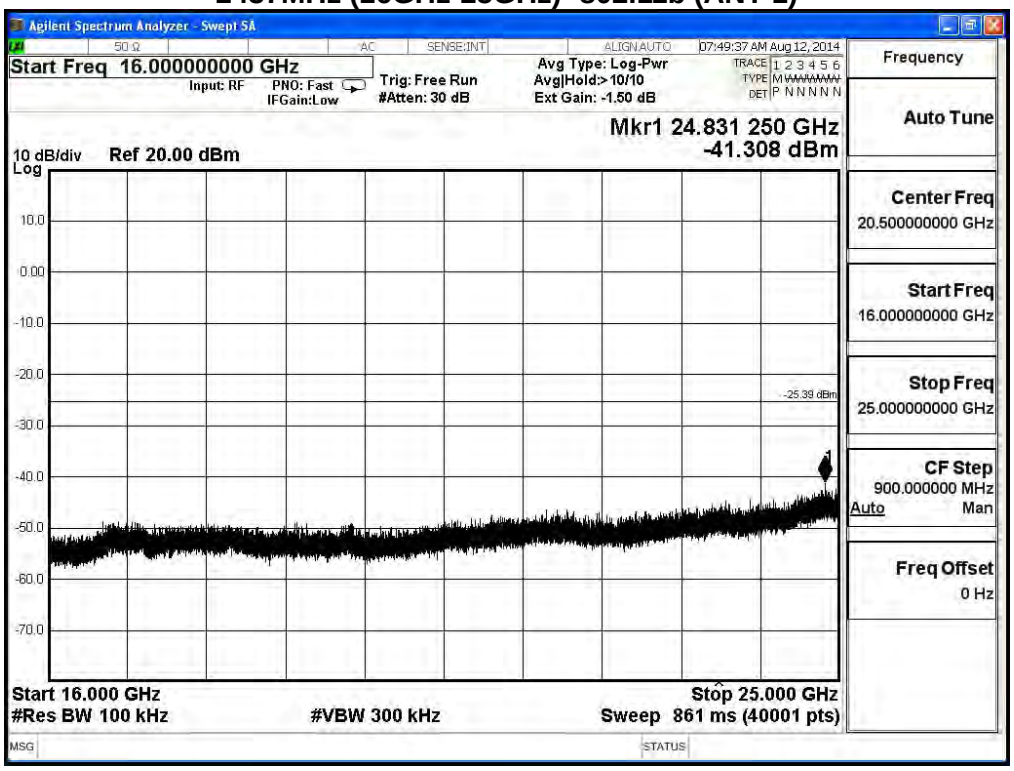
2437MHz (1GHz-8GHz) -802.11b (ANT 1)



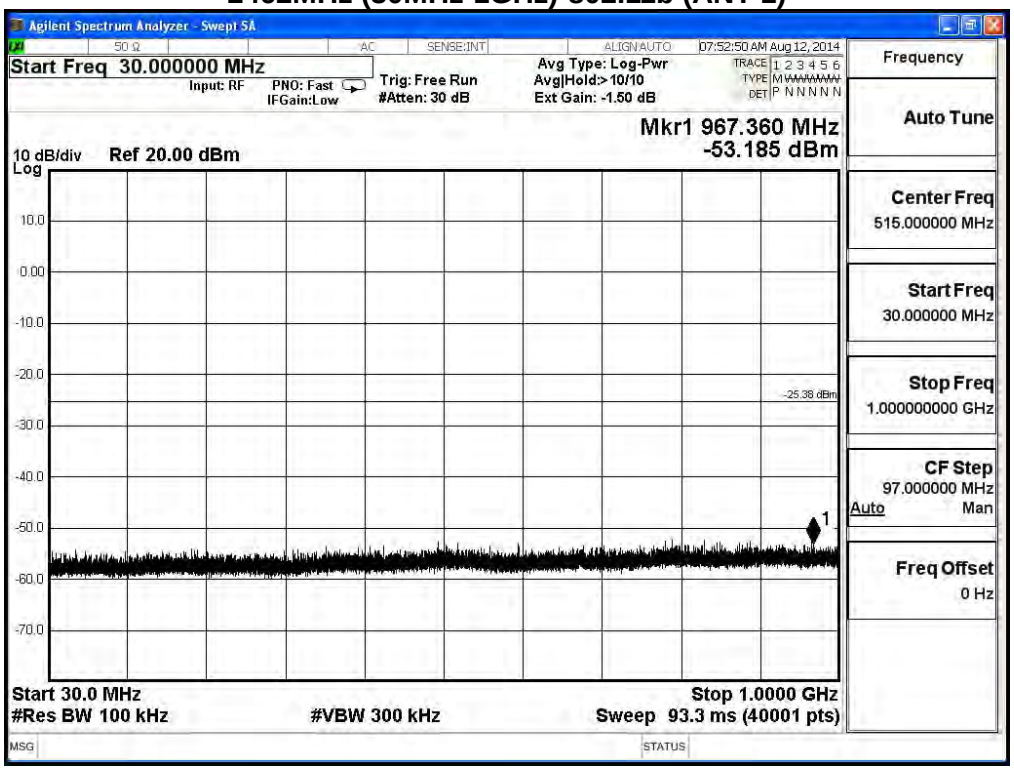
2437MHz (8GHz-16GHz) -802.11b (ANT 1)



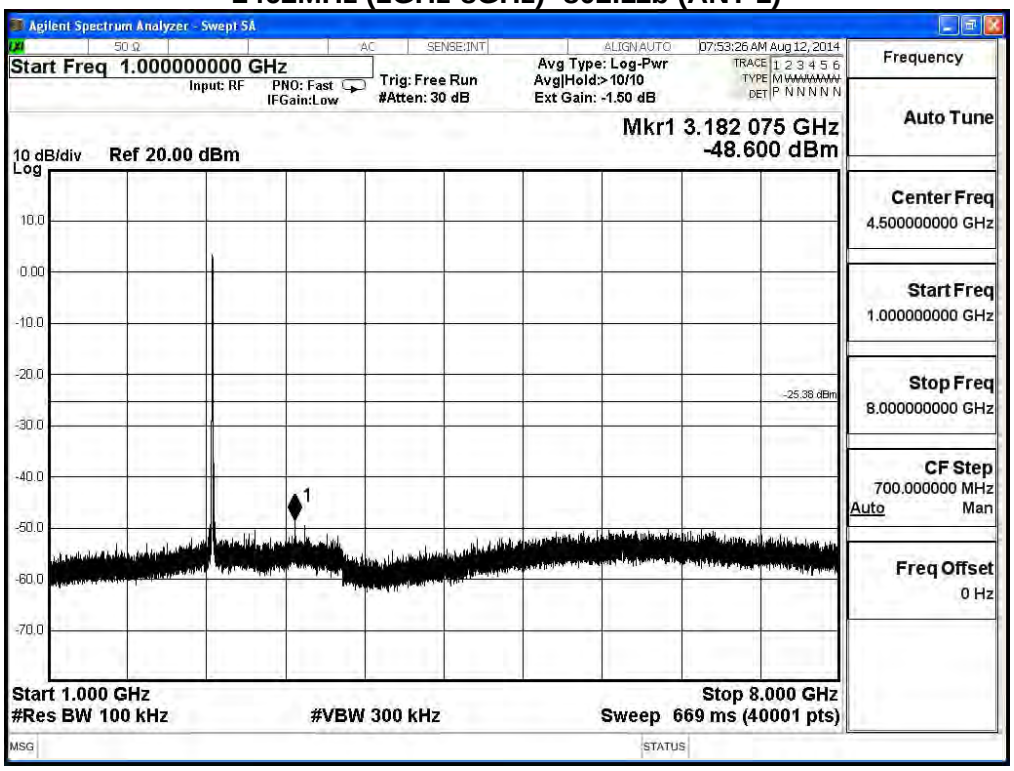
2437MHz (16GHz-25GHz) -802.11b (ANT 1)



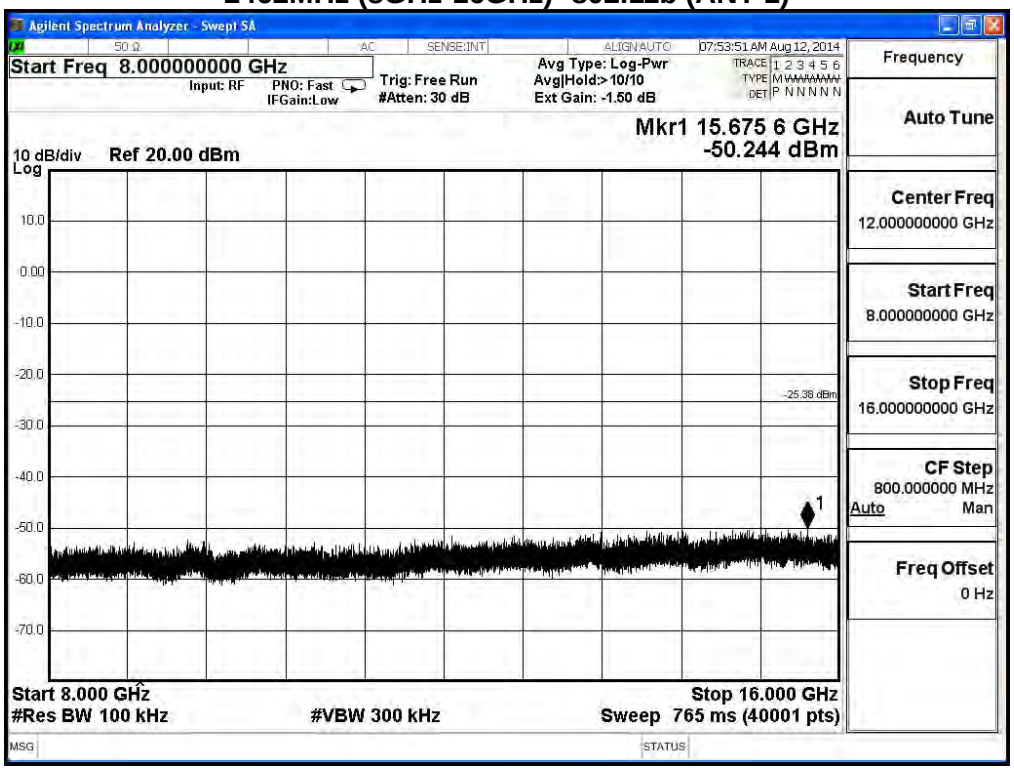
2462MHz (30MHz-1GHz)-802.11b (ANT 1)



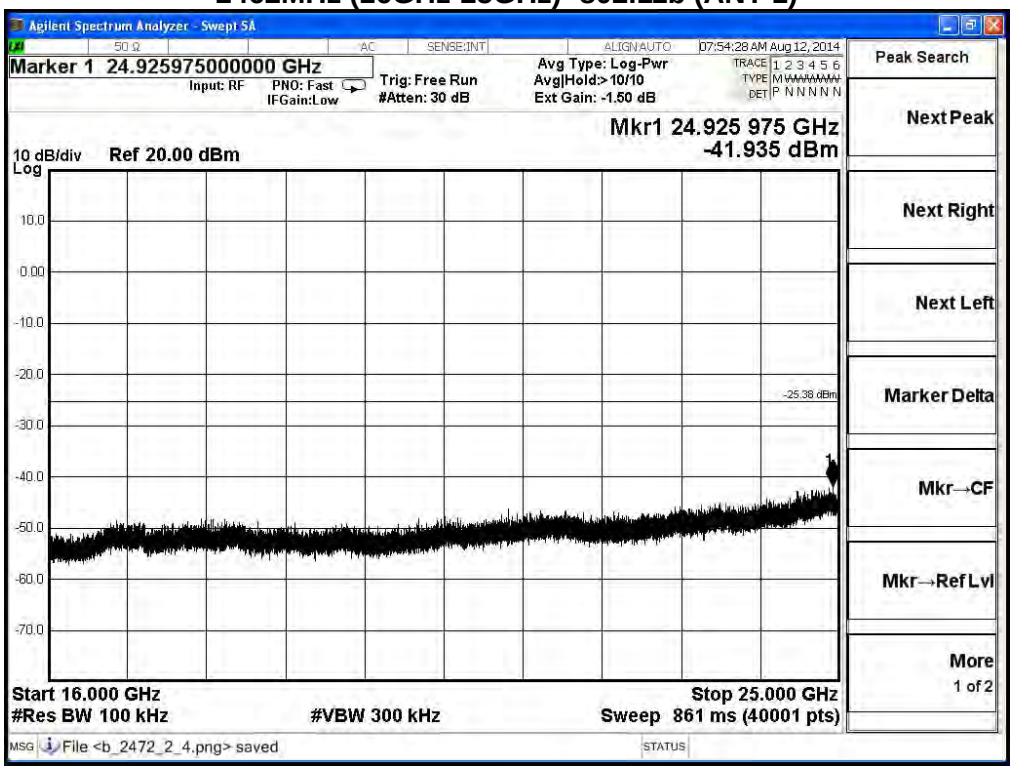
2462MHz (1GHz-8GHz) -802.11b (ANT 1)



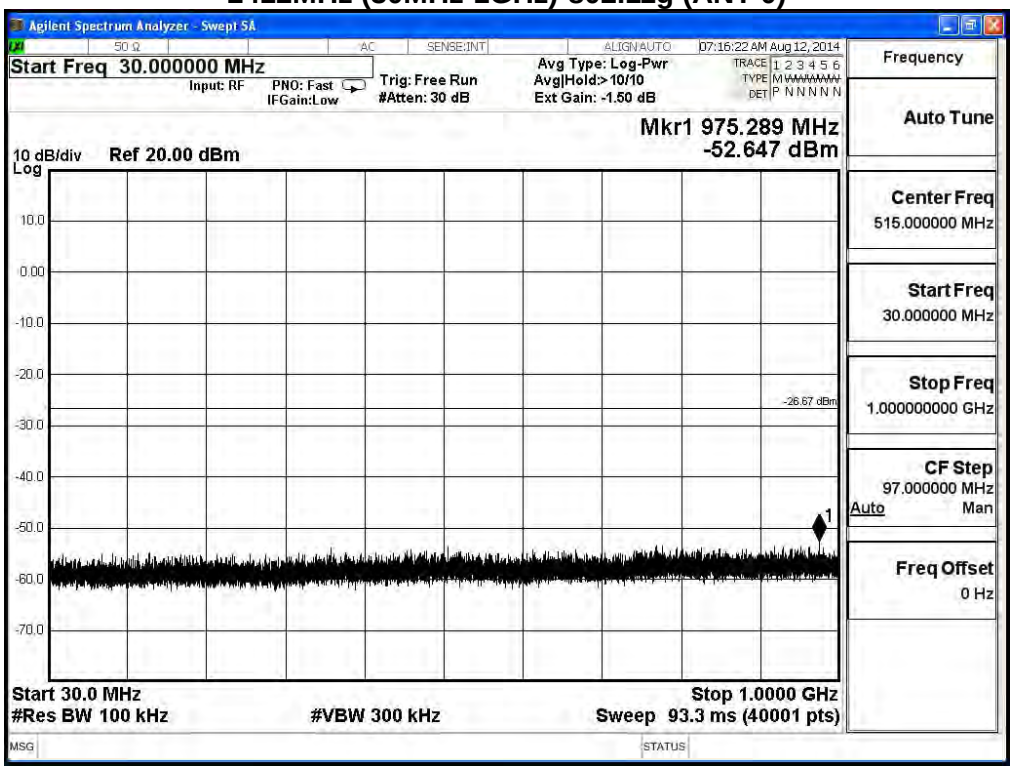
2462MHz (8GHz-16GHz) -802.11b (ANT 1)



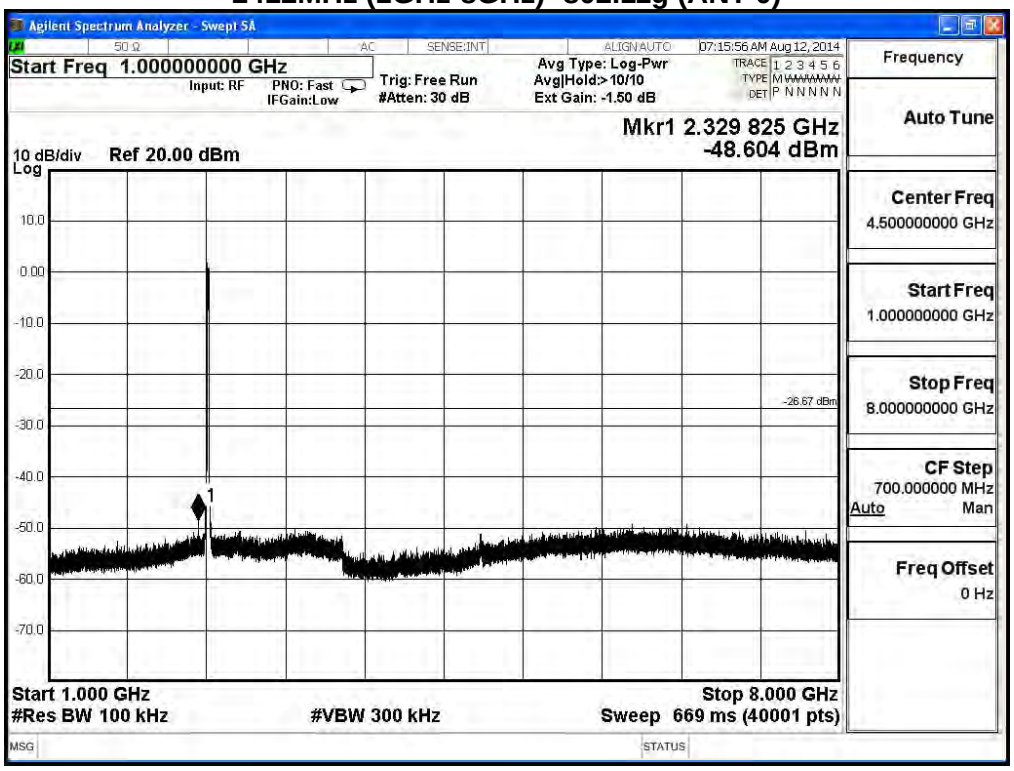
2462MHz (16GHz-25GHz) -802.11b (ANT 1)



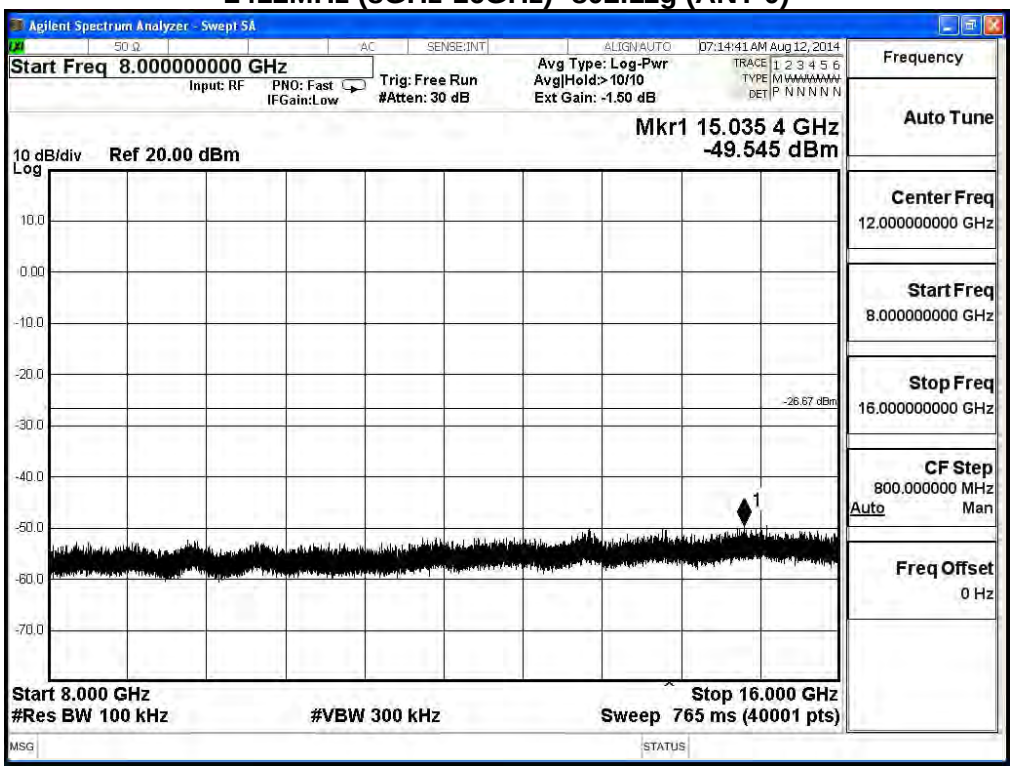
2412MHz (30MHz-1GHz)-802.11g (ANT 0)



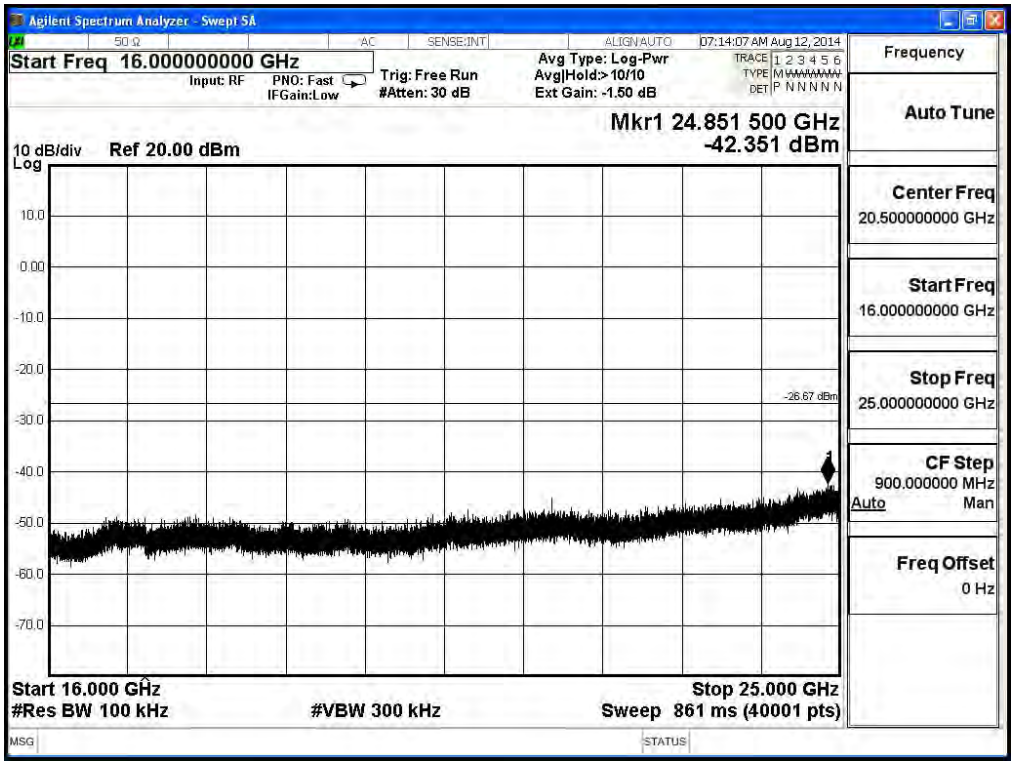
2412MHz (1GHz-8GHz) -802.11g (ANT 0)



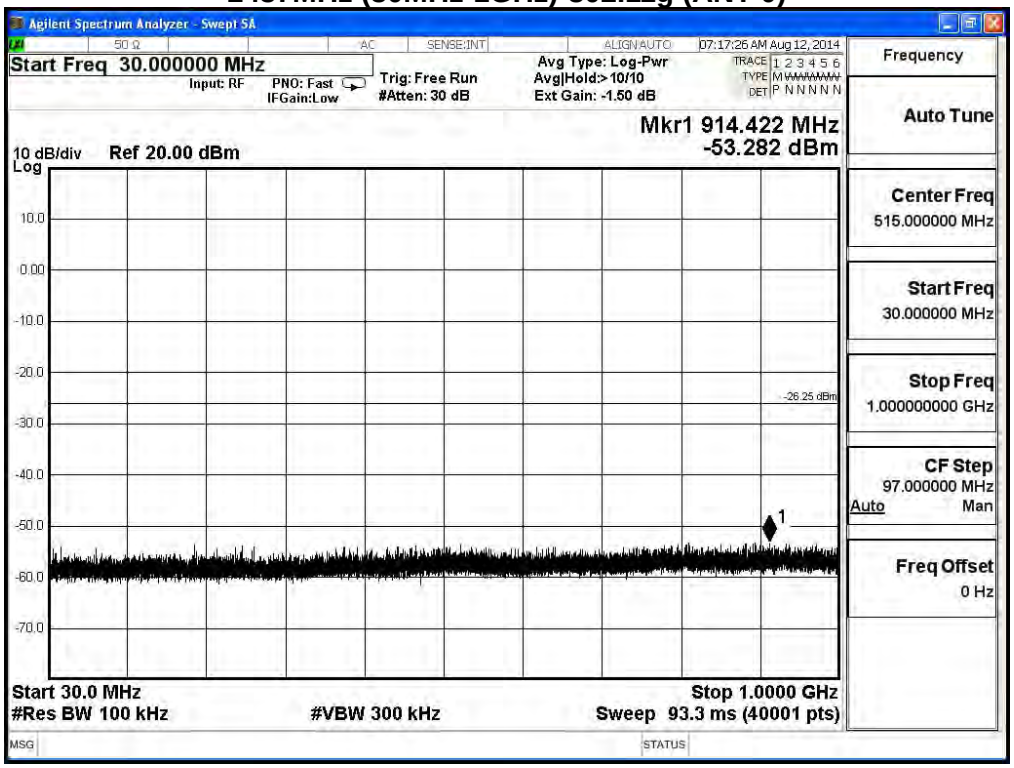
2412MHz (8GHz-16GHz) -802.11g (ANT 0)



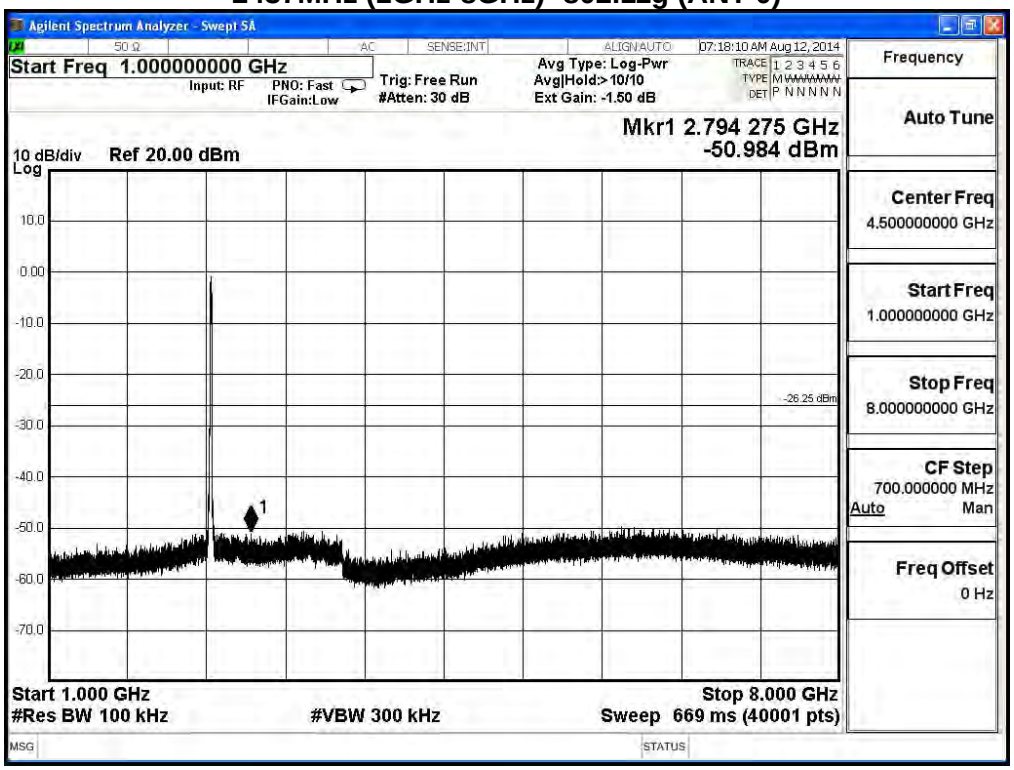
2412MHz (16GHz-25GHz) -802.11g (ANT 0)



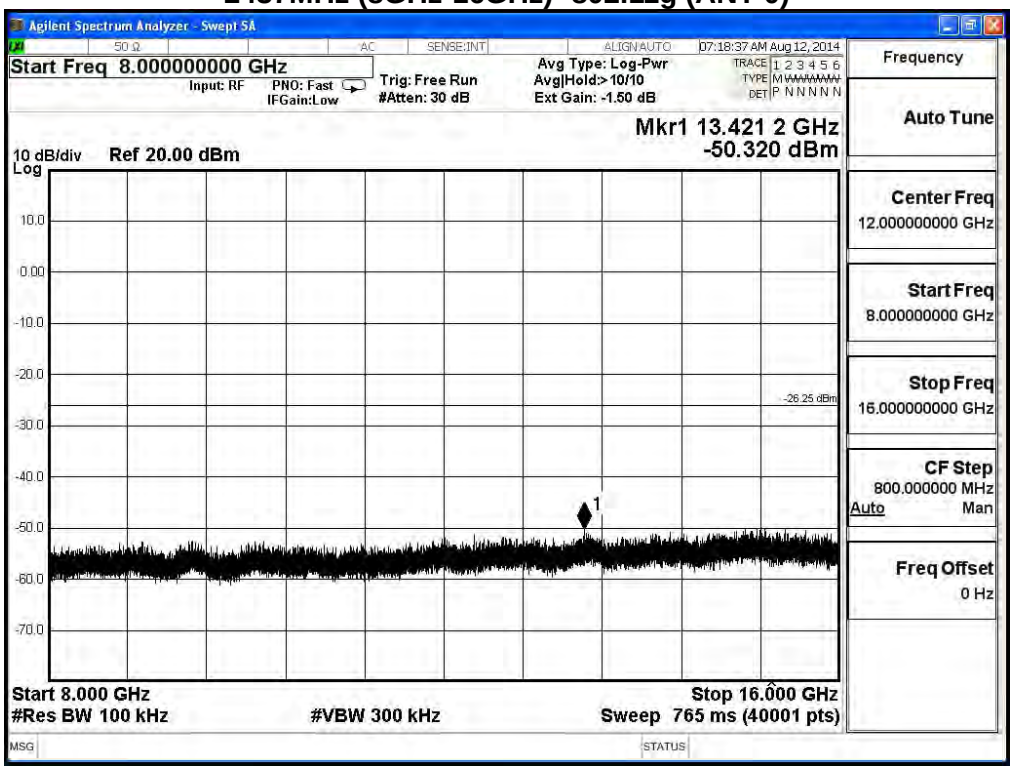
2437MHz (30MHz-1GHz)-802.11g (ANT 0)



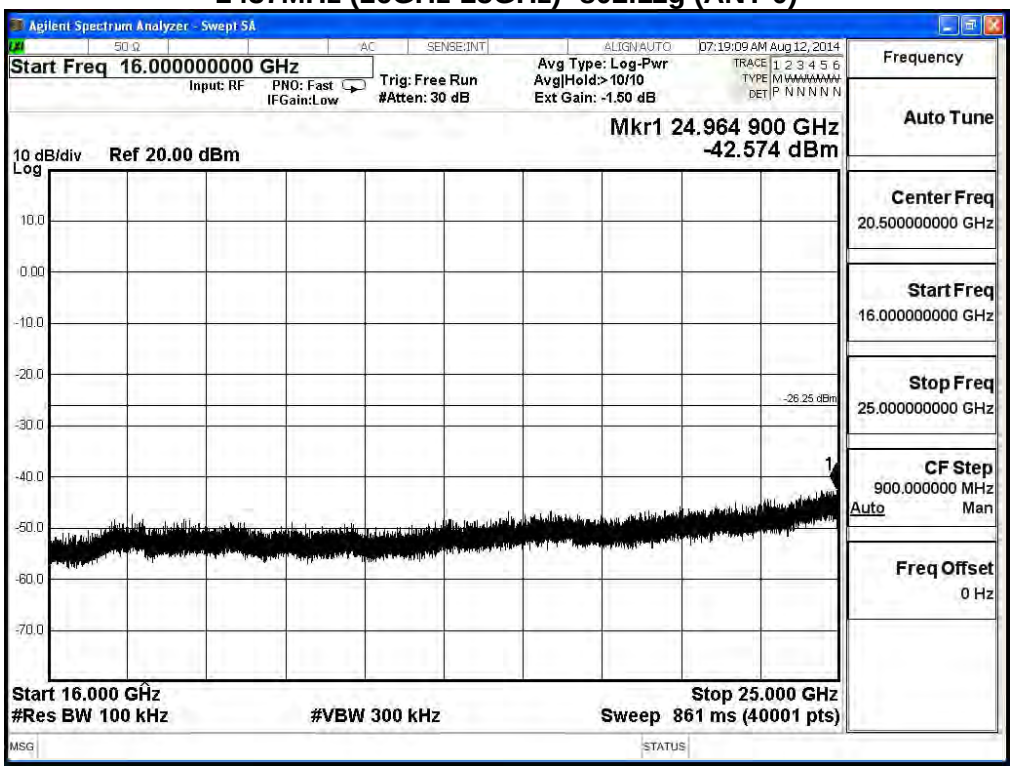
2437MHz (1GHz-8GHz) -802.11g (ANT 0)



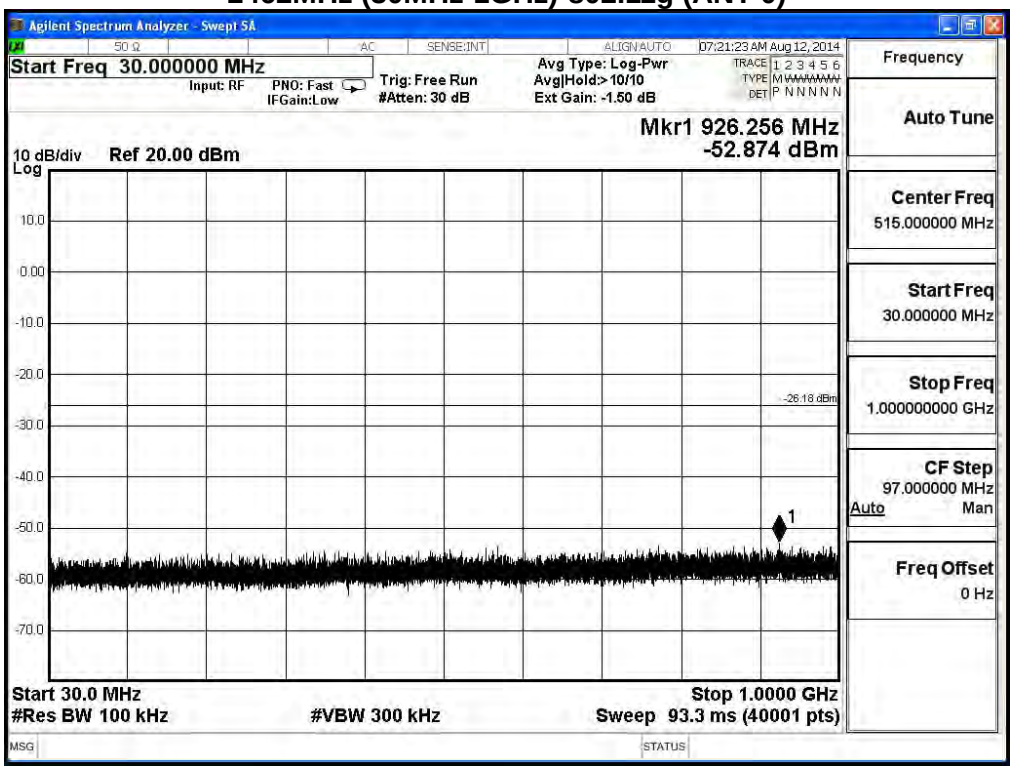
2437MHz (8GHz-16GHz) -802.11g (ANT 0)



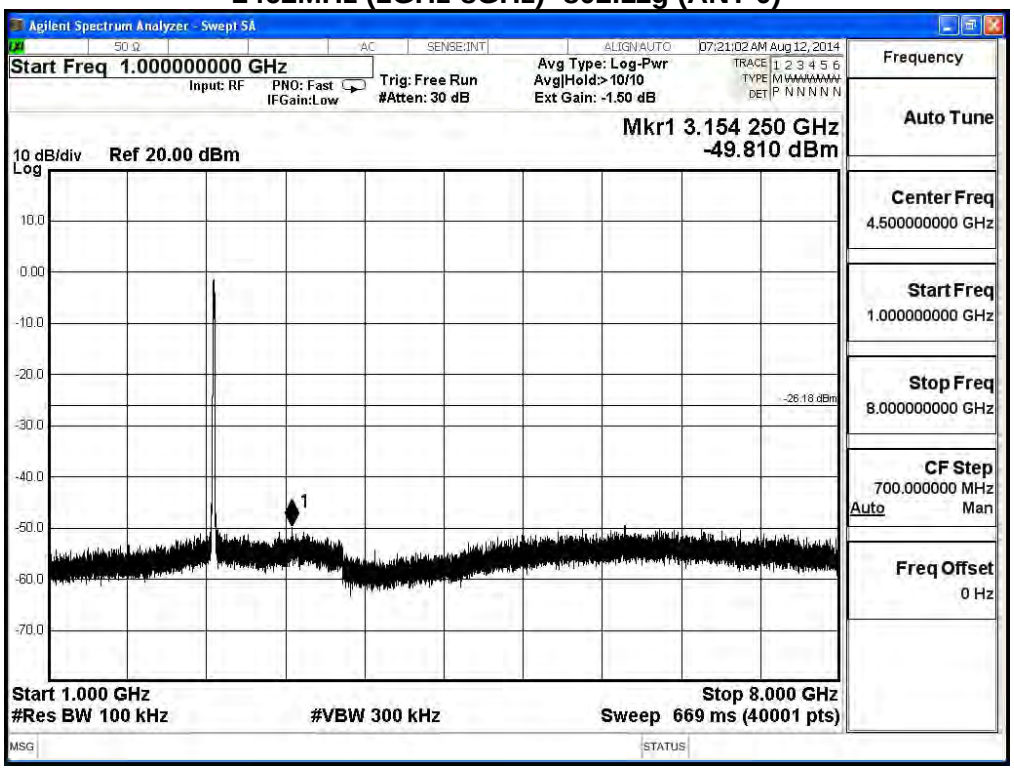
2437MHz (16GHz-25GHz) -802.11g (ANT 0)



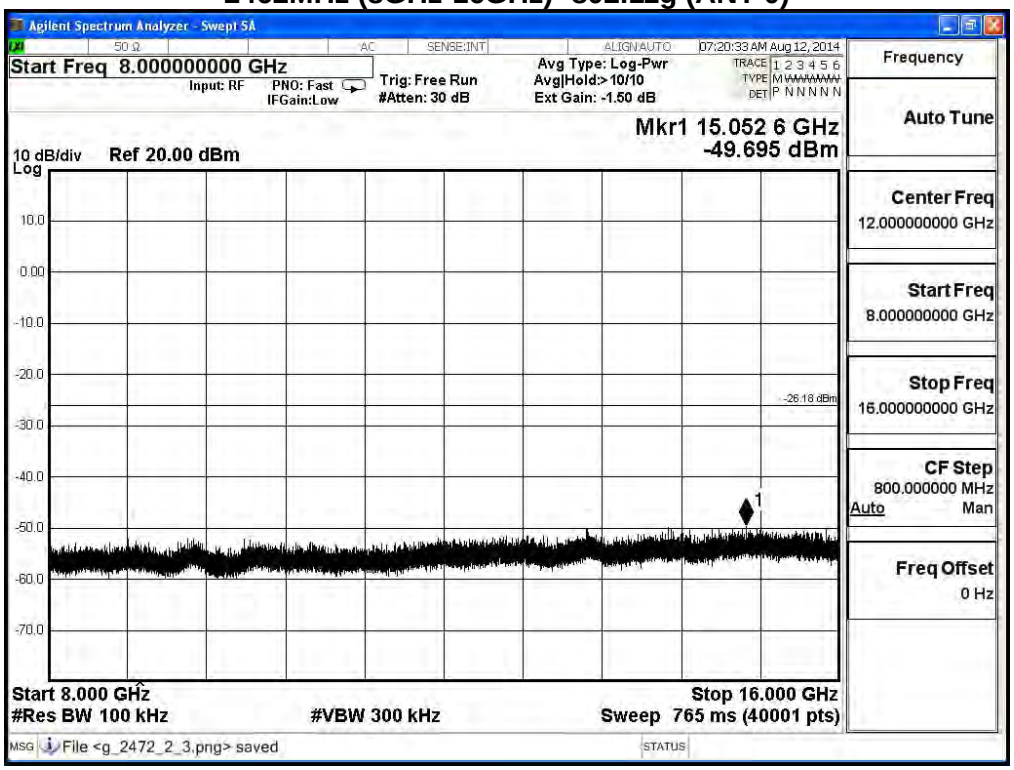
2462MHz (30MHz-1GHz)-802.11g (ANT 0)



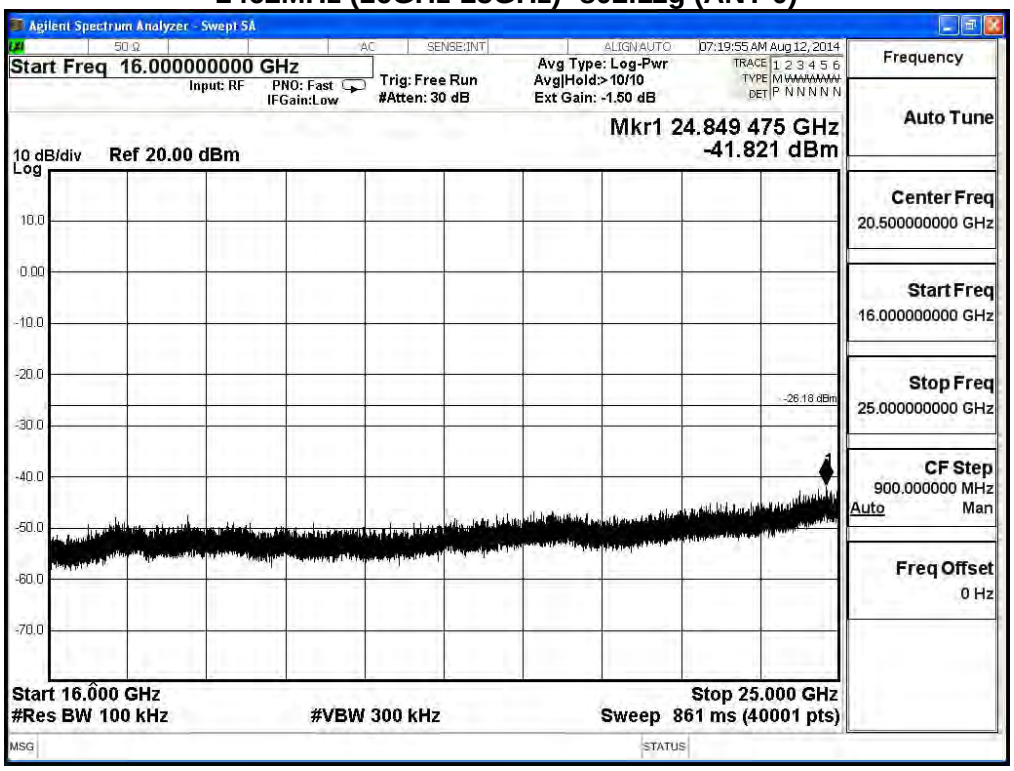
2462MHz (1GHz-8GHz) -802.11g (ANT 0)



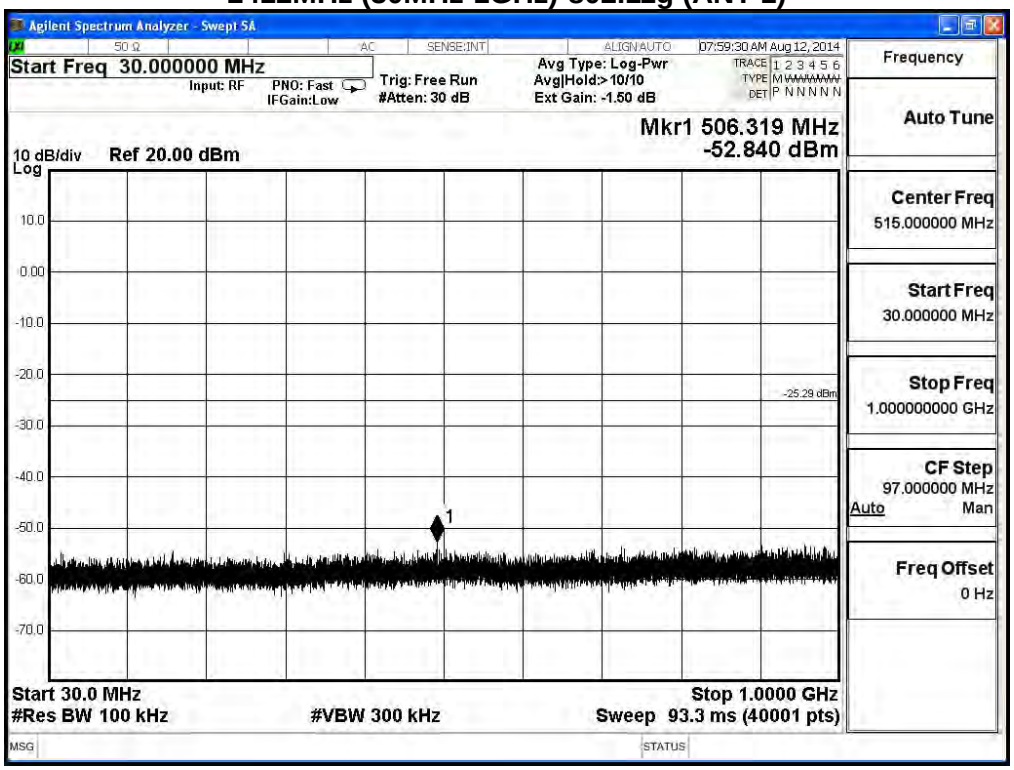
2462MHz (8GHz-16GHz) -802.11g (ANT 0)



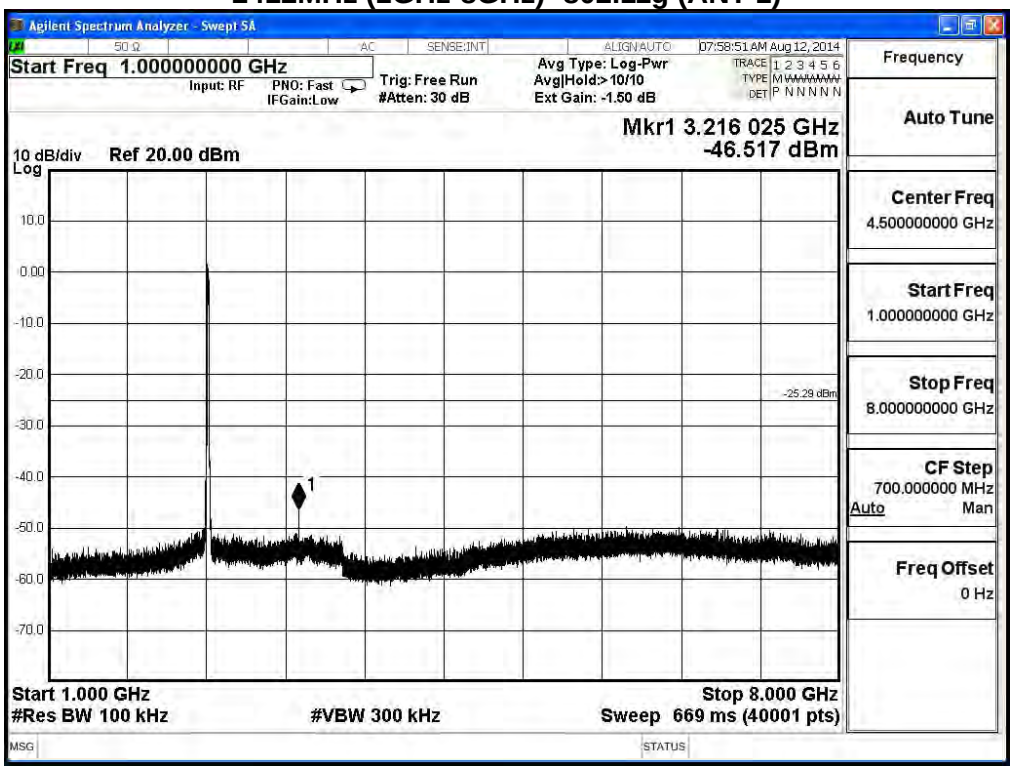
2462MHz (16GHz-25GHz) -802.11g (ANT 0)



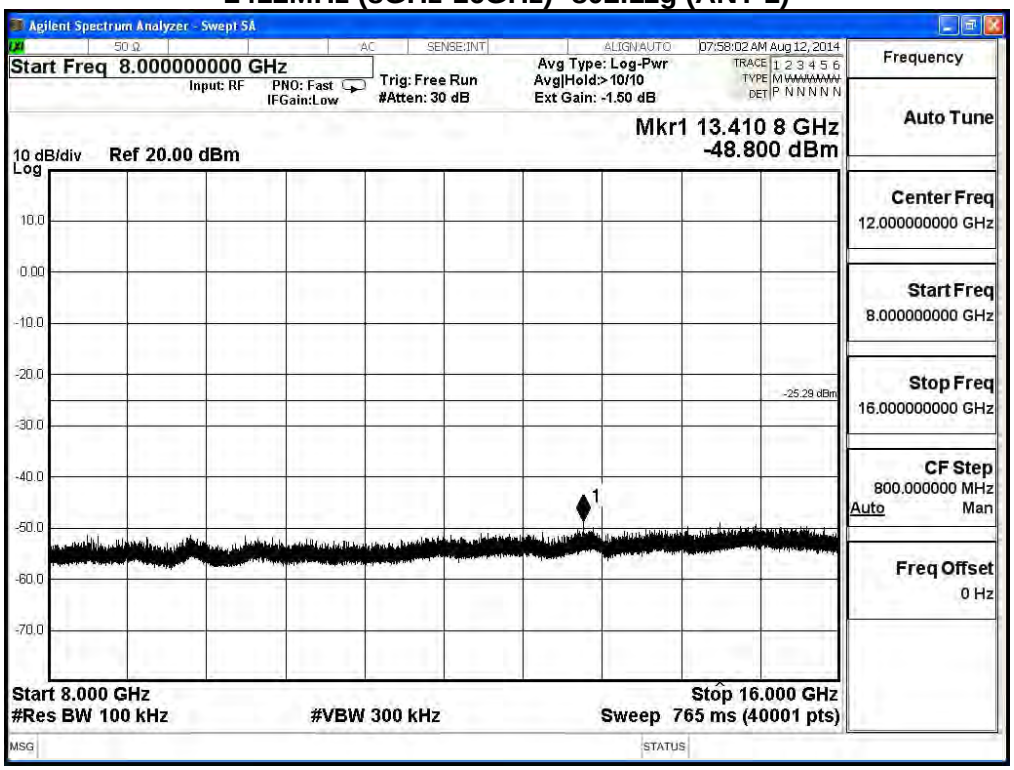
2412MHz (30MHz-1GHz)-802.11g (ANT 1)



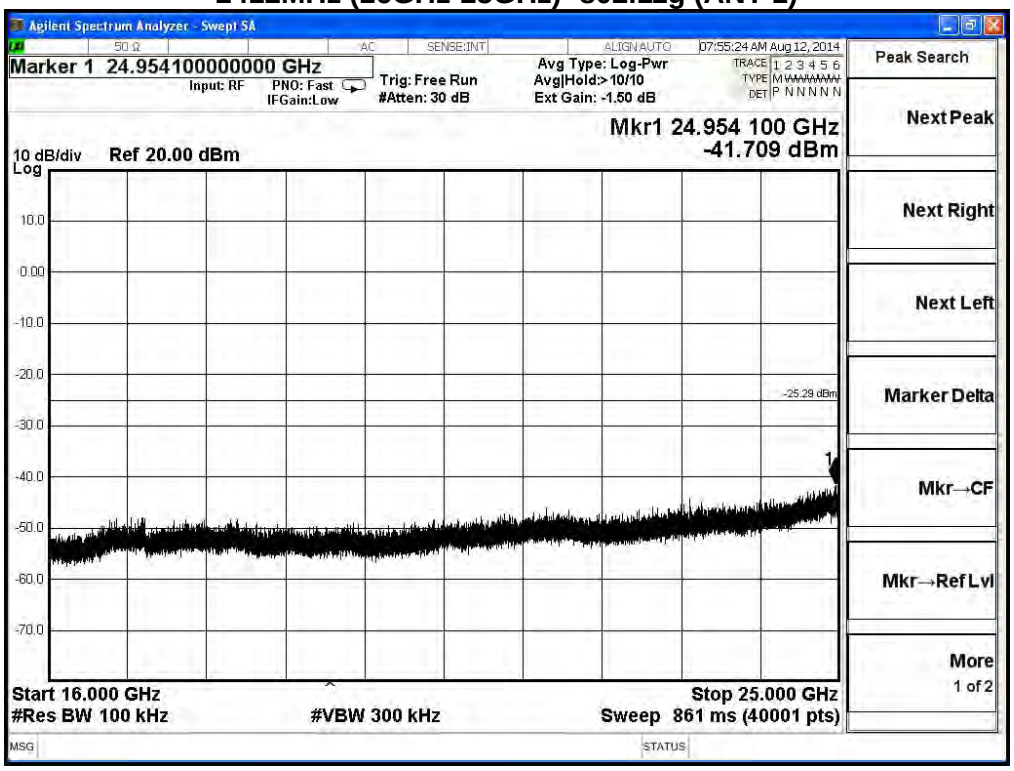
2412MHz (1GHz-8GHz) -802.11g (ANT 1)



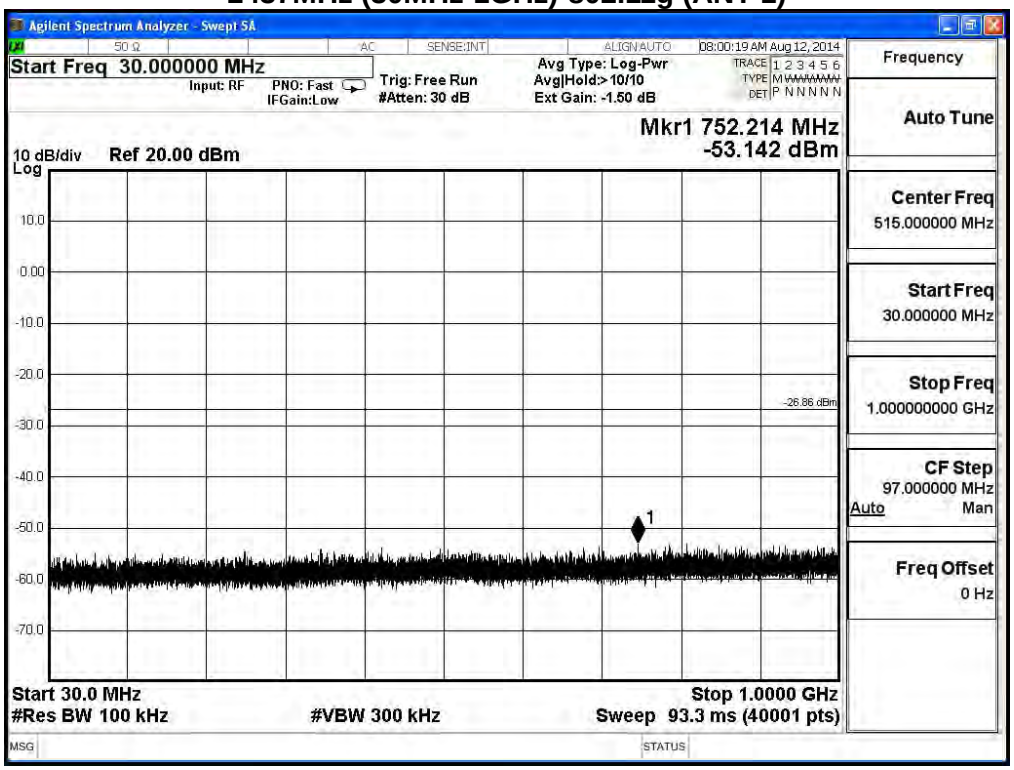
2412MHz (8GHz-16GHz) -802.11g (ANT 1)



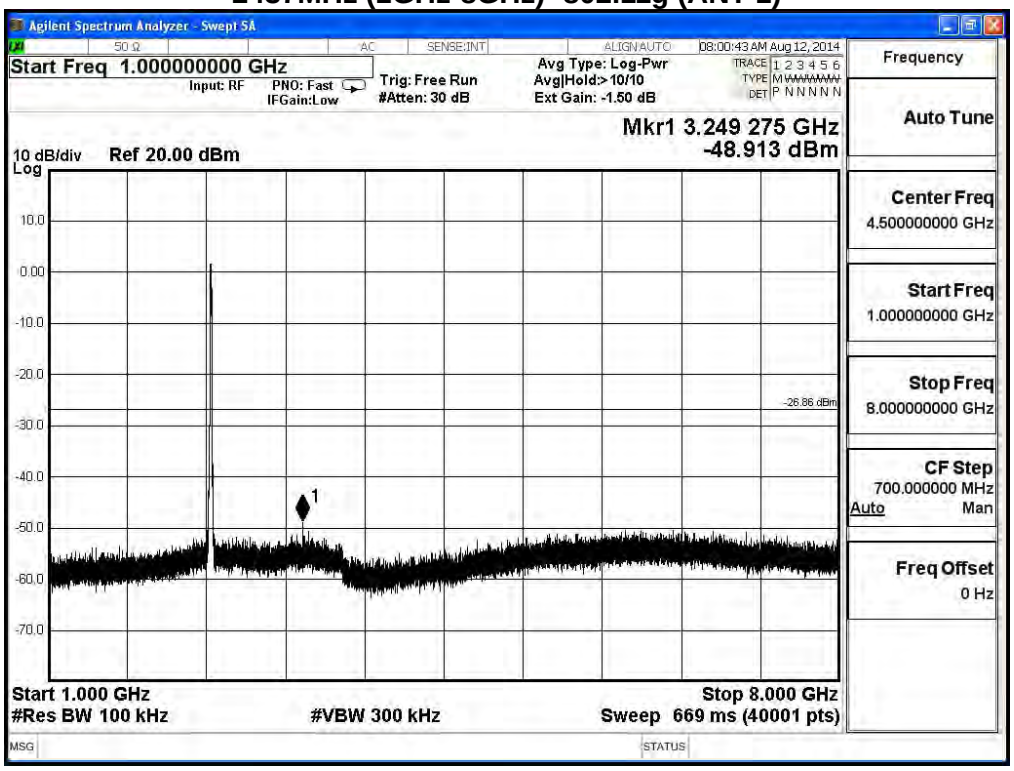
2412MHz (16GHz-25GHz) -802.11g (ANT 1)



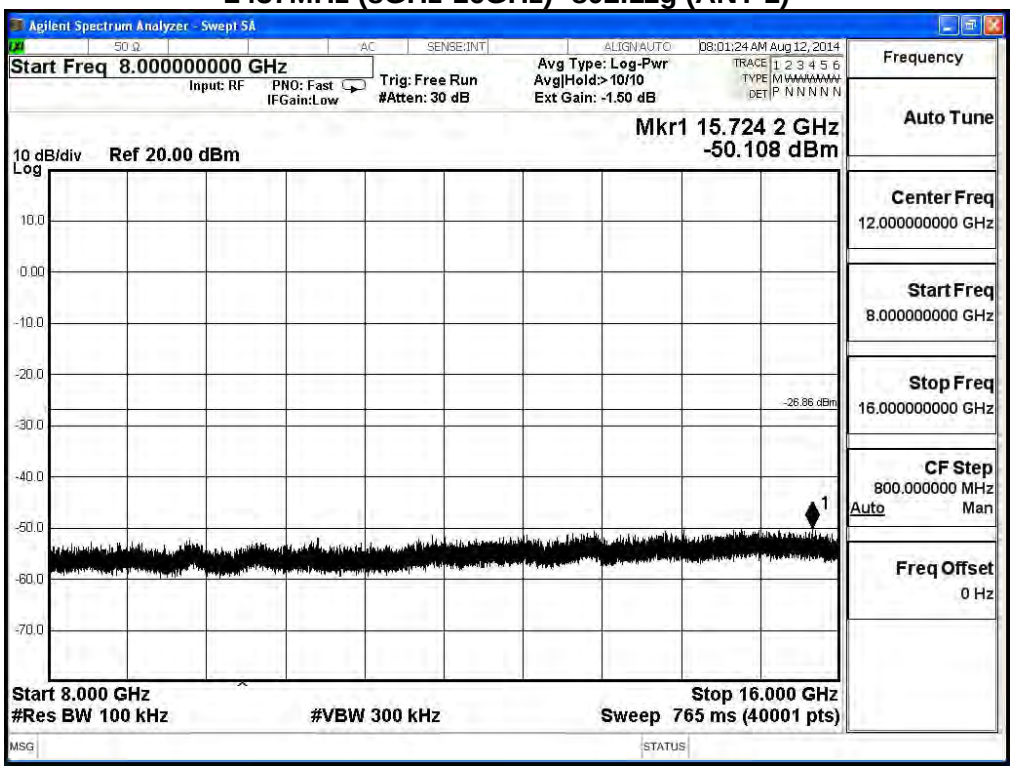
2437MHz (30MHz-1GHz)-802.11g (ANT 1)



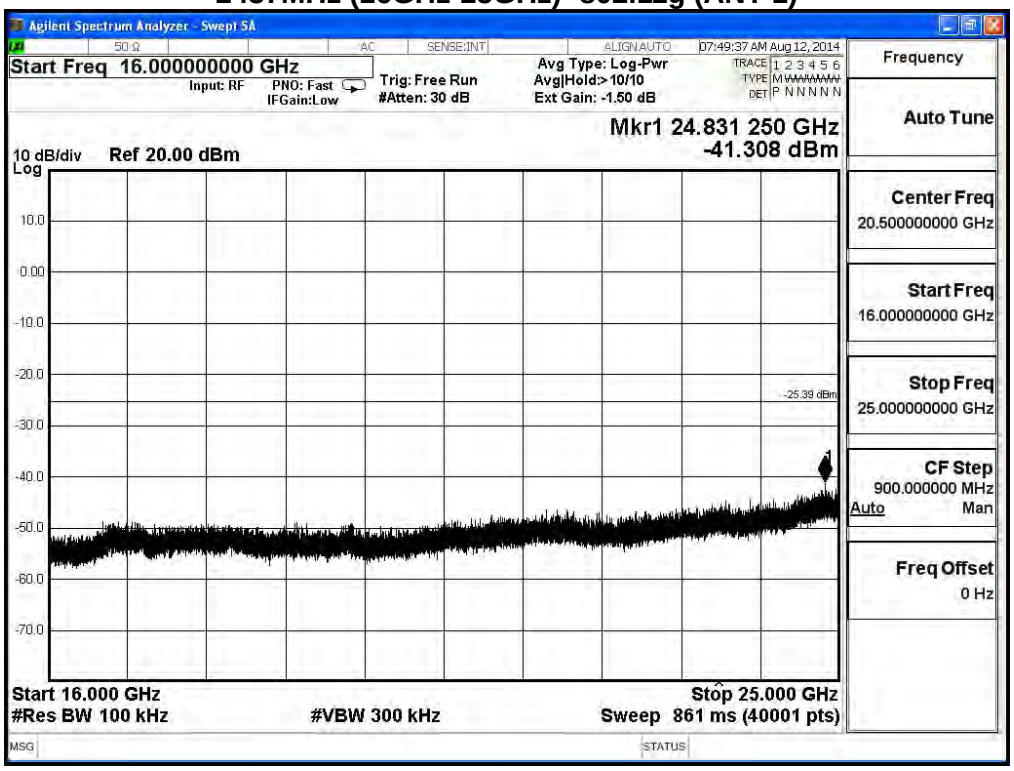
2437MHz (1GHz-8GHz) -802.11g (ANT 1)



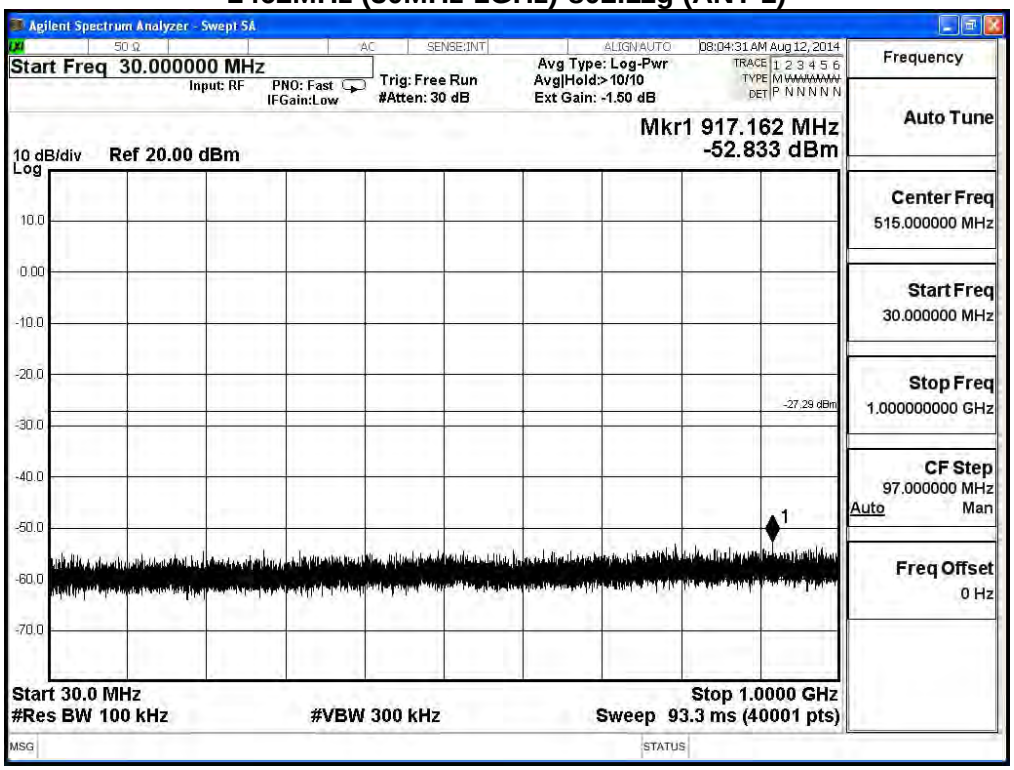
2437MHz (8GHz-16GHz) -802.11g (ANT 1)



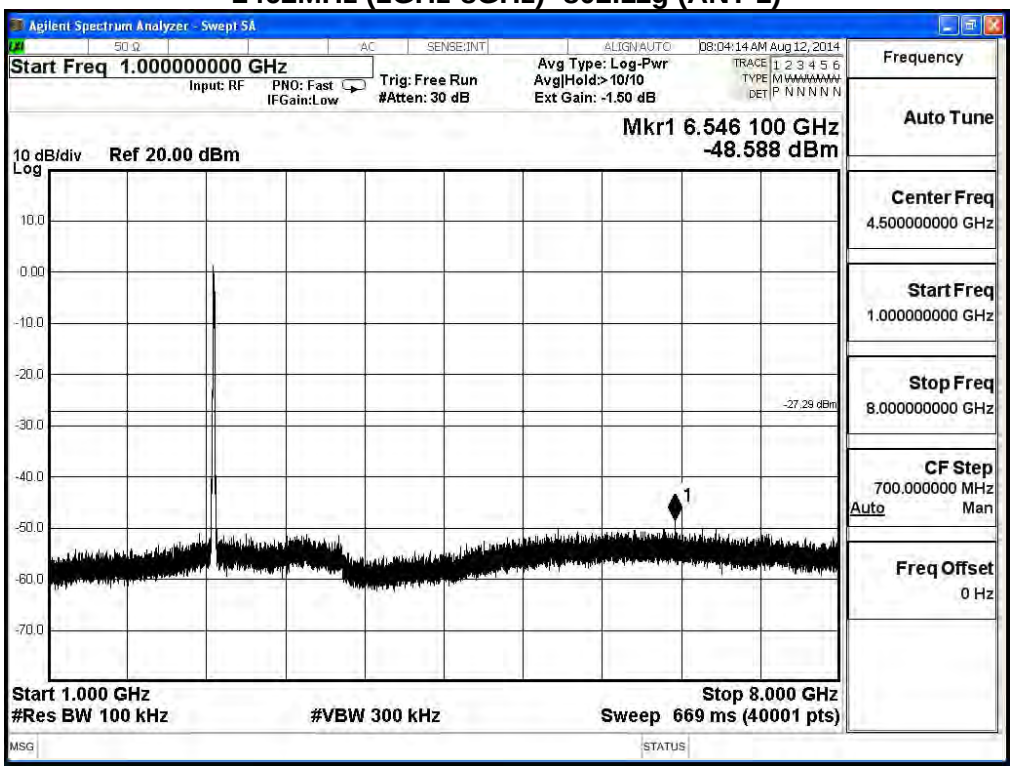
2437MHz (16GHz-25GHz) -802.11g (ANT 1)



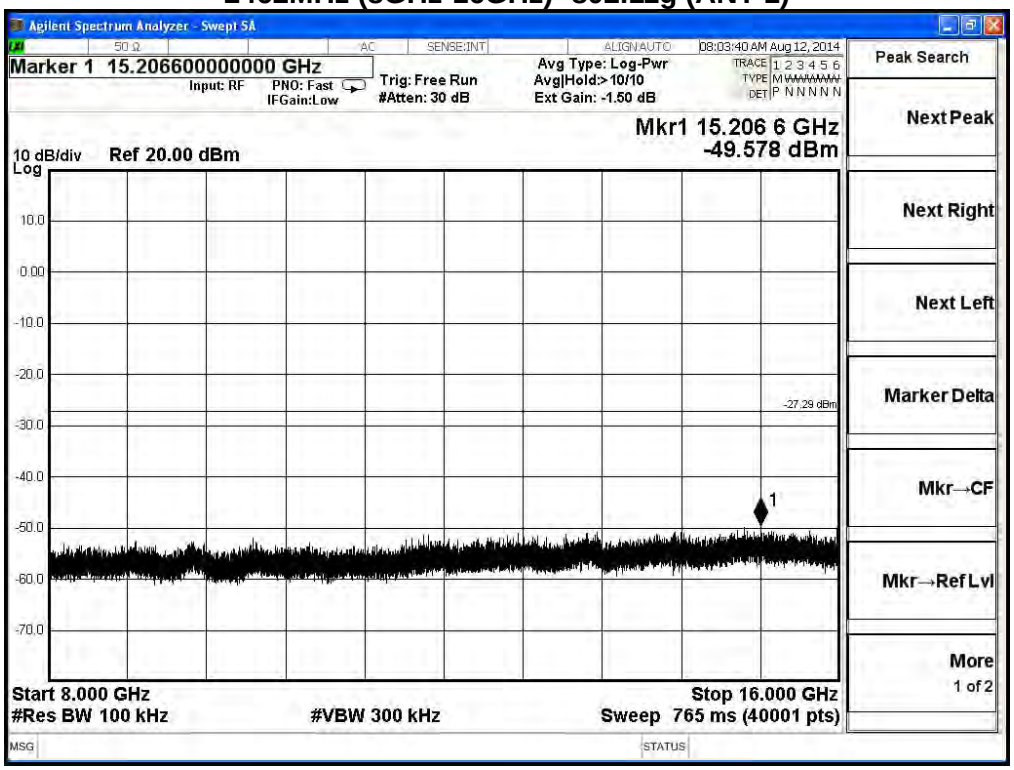
2462MHz (30MHz-1GHz)-802.11g (ANT 1)



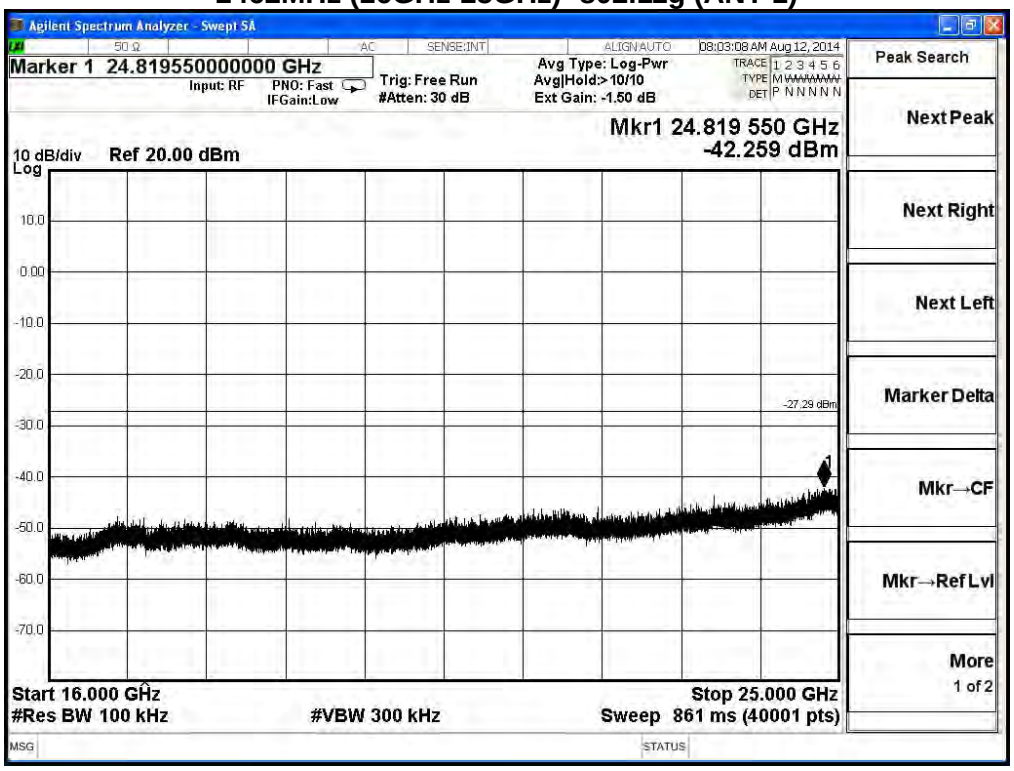
2462MHz (1GHz-8GHz) -802.11g (ANT 1)



2462MHz (8GHz-16GHz) -802.11g (ANT 1)

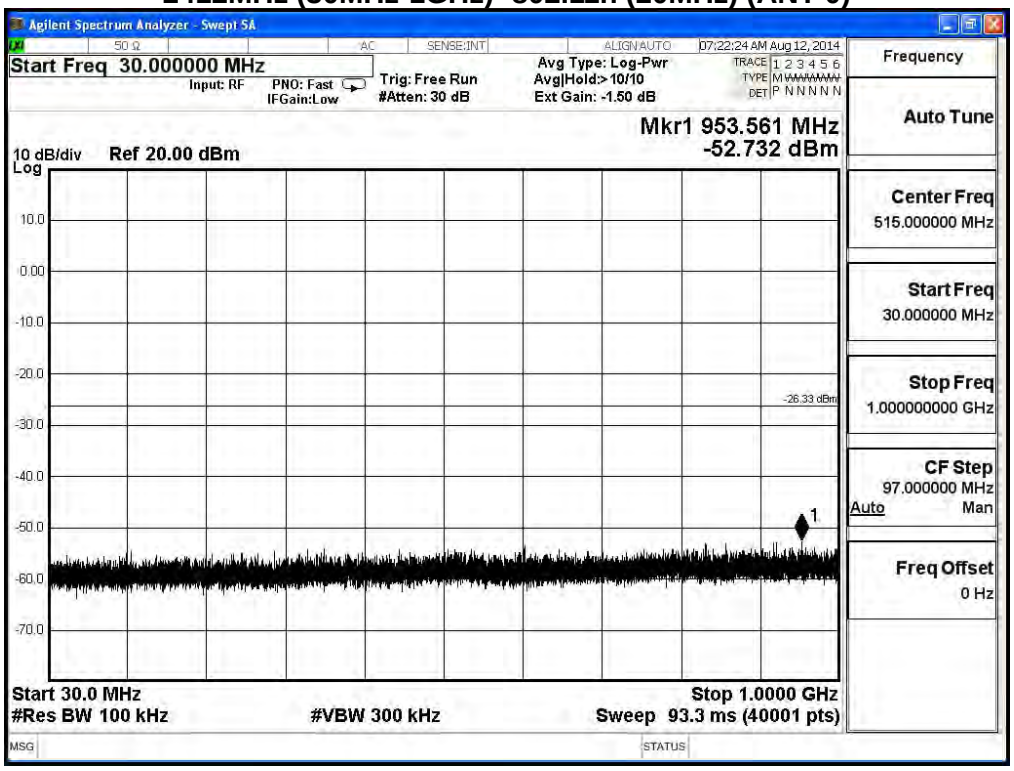


2462MHz (16GHz-25GHz) -802.11g (ANT 1)

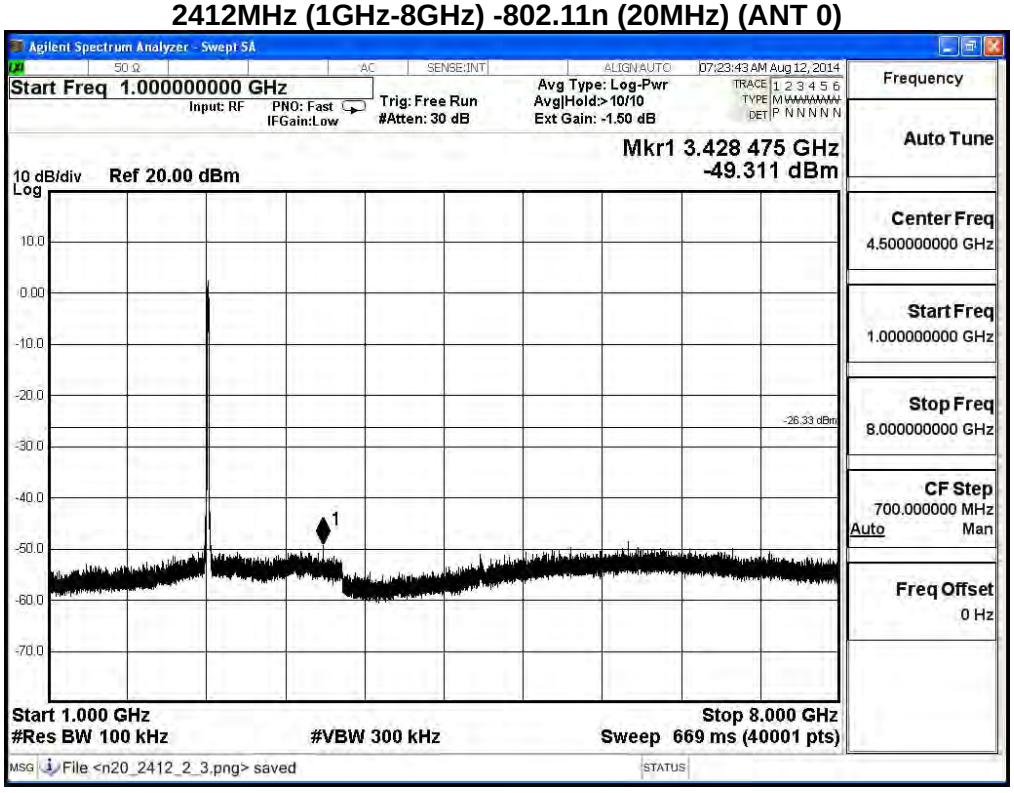


Product	Dual-band Wireless-AC1300 USB Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 2: Transmit (MIMO Mode)		
Date of Test	2014/08/12	Test Site	SR7

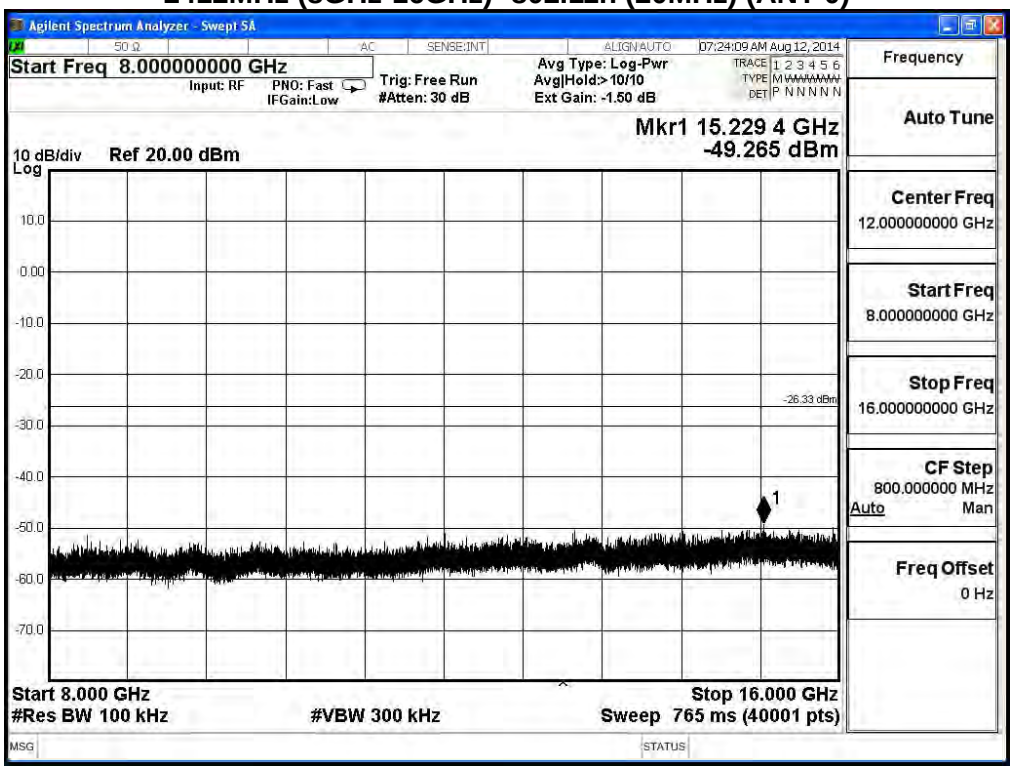
2412MHz (30MHz-1GHz)- 802.11n (20MHz) (ANT 0)



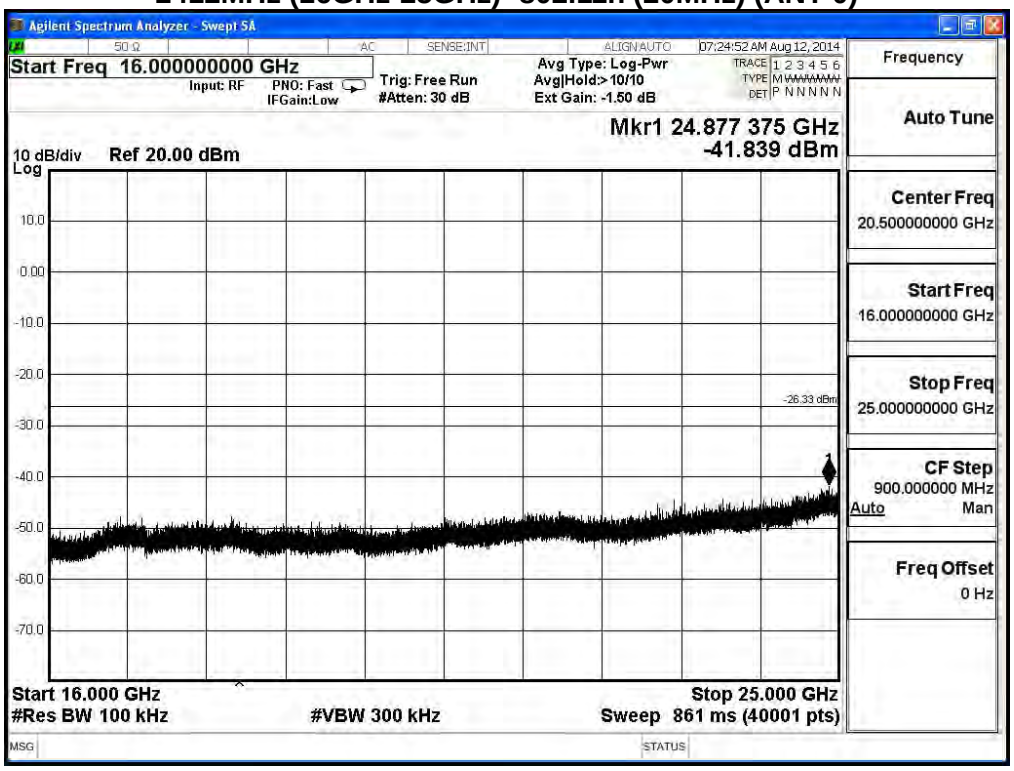
2412MHz (1GHz-8GHz) -802.11n (20MHz) (ANT 0)



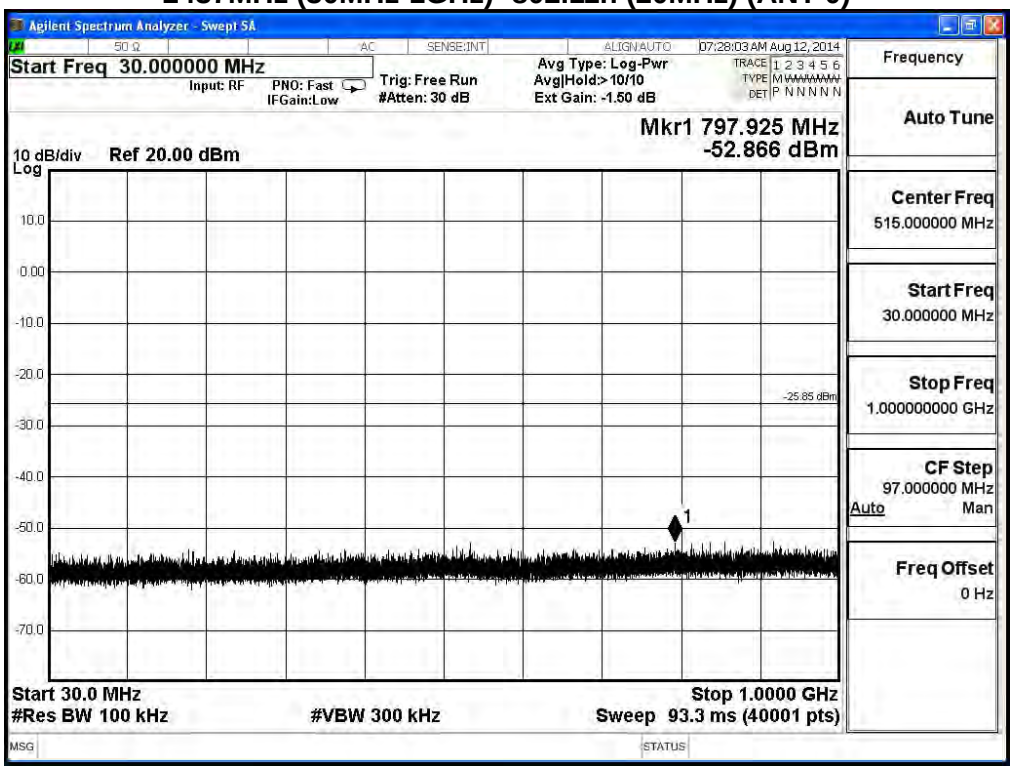
2412MHz (8GHz-16GHz) -802.11n (20MHz) (ANT 0)



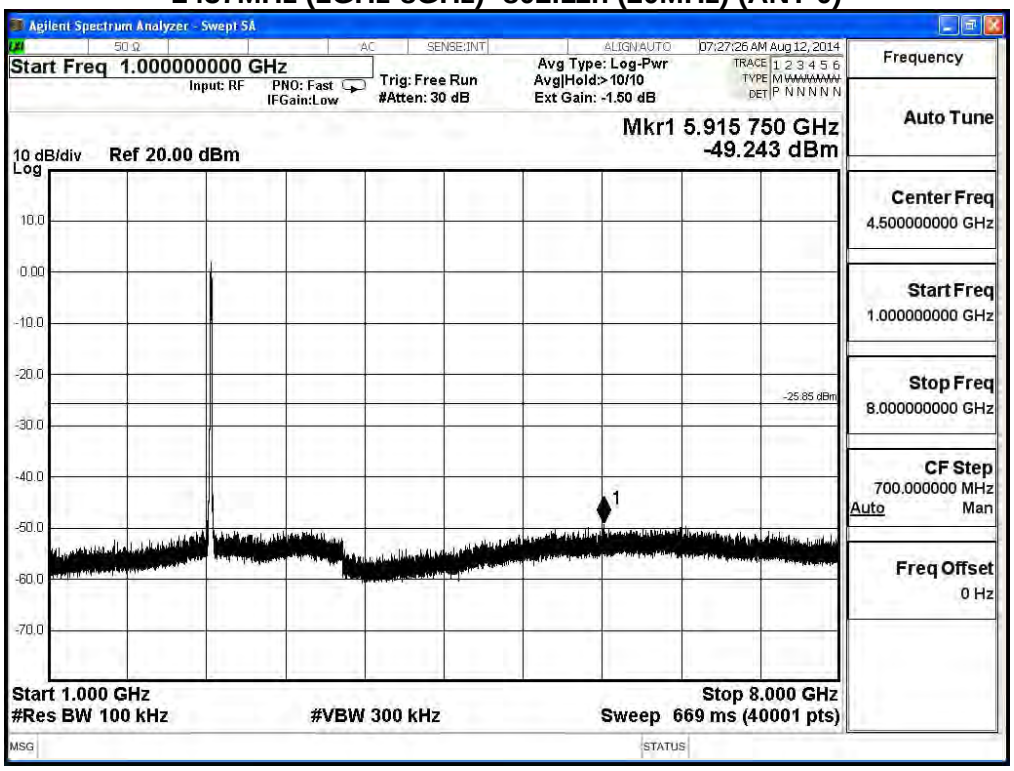
2412MHz (16GHz-25GHz) -802.11n (20MHz) (ANT 0)



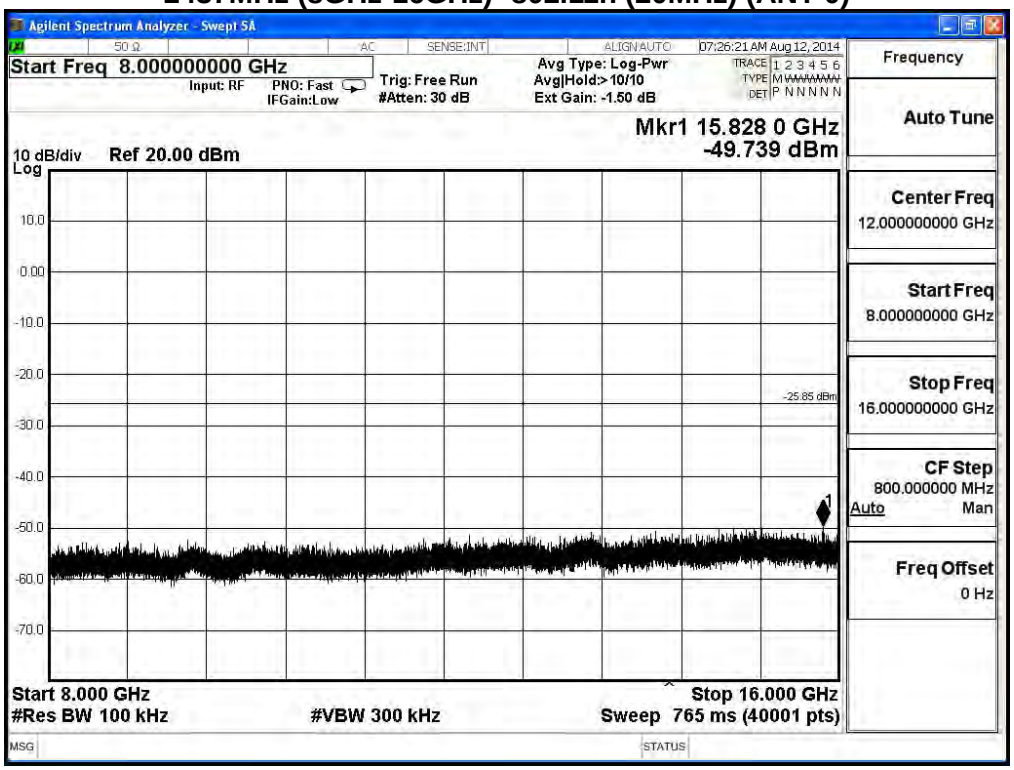
2437MHz (30MHz-1GHz)- 802.11n (20MHz) (ANT 0)



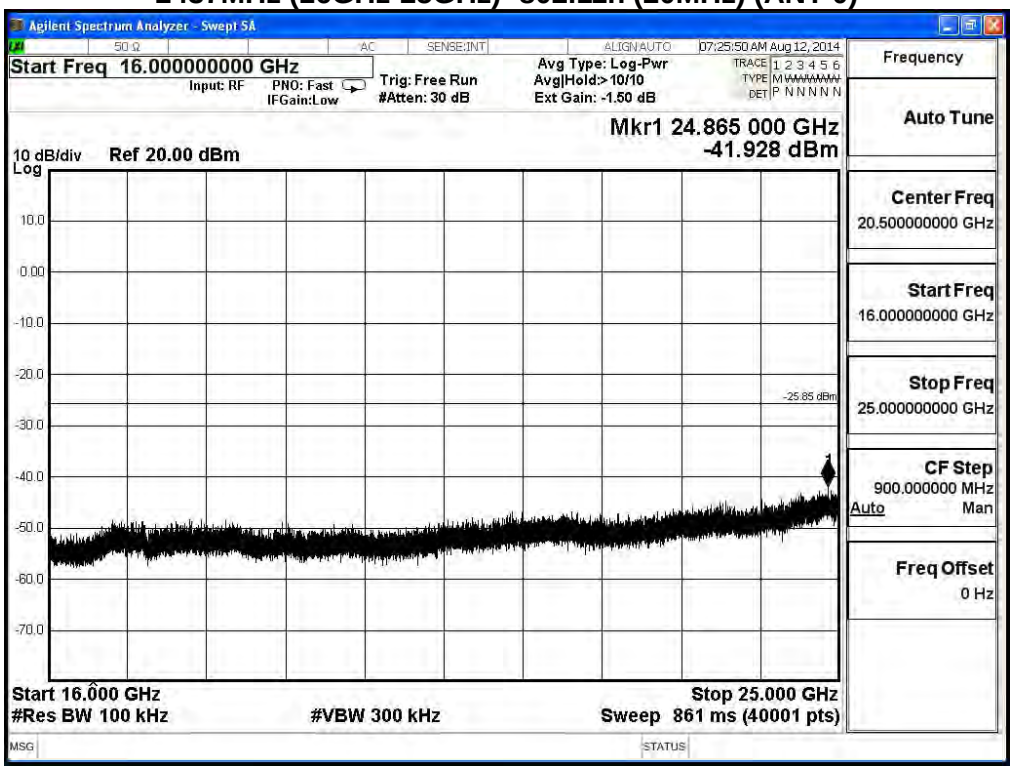
2437MHz (1GHz-8GHz) -802.11n (20MHz) (ANT 0)



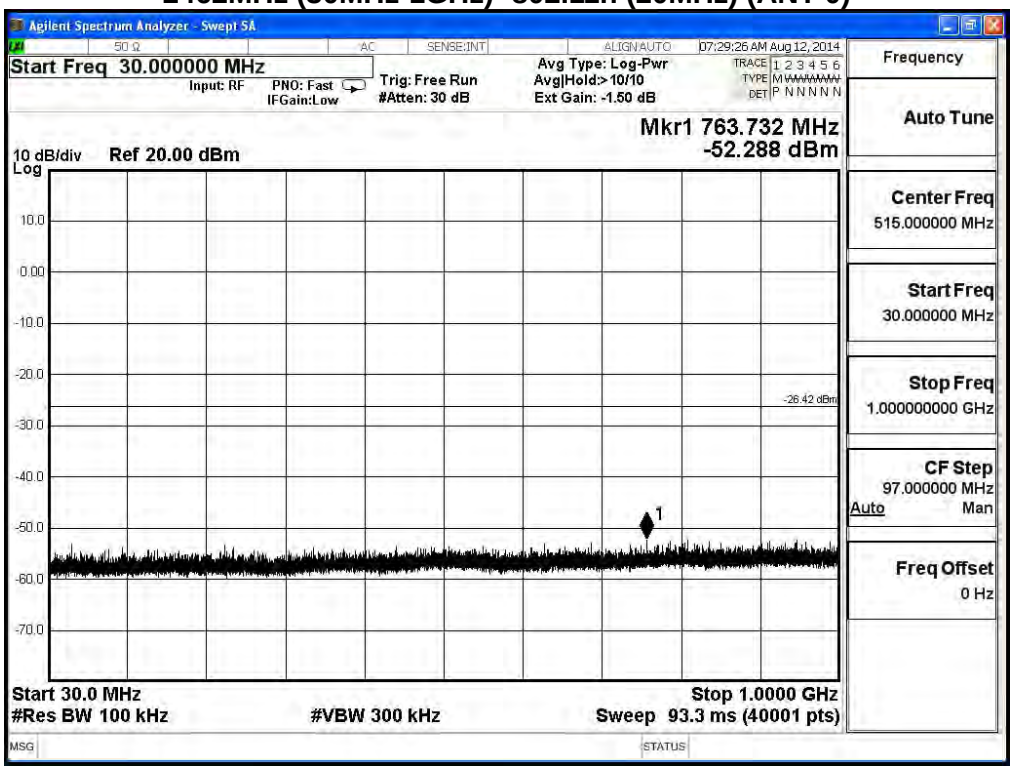
2437MHz (8GHz-16GHz) -802.11n (20MHz) (ANT 0)



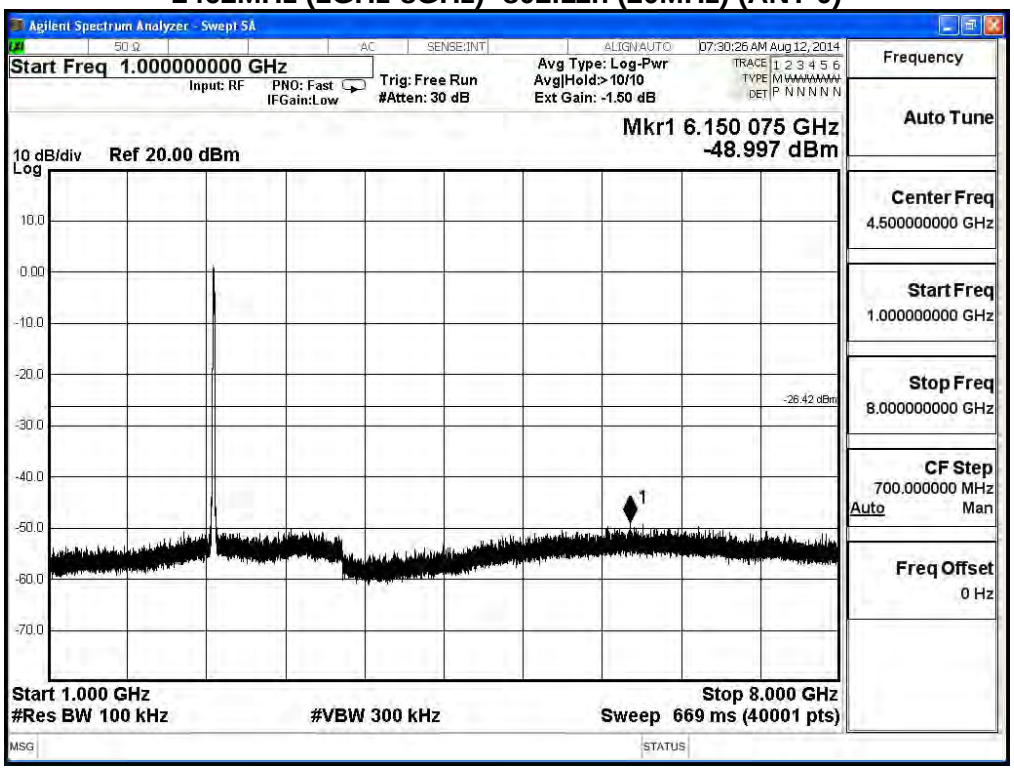
2437MHz (16GHz-25GHz) -802.11n (20MHz) (ANT 0)



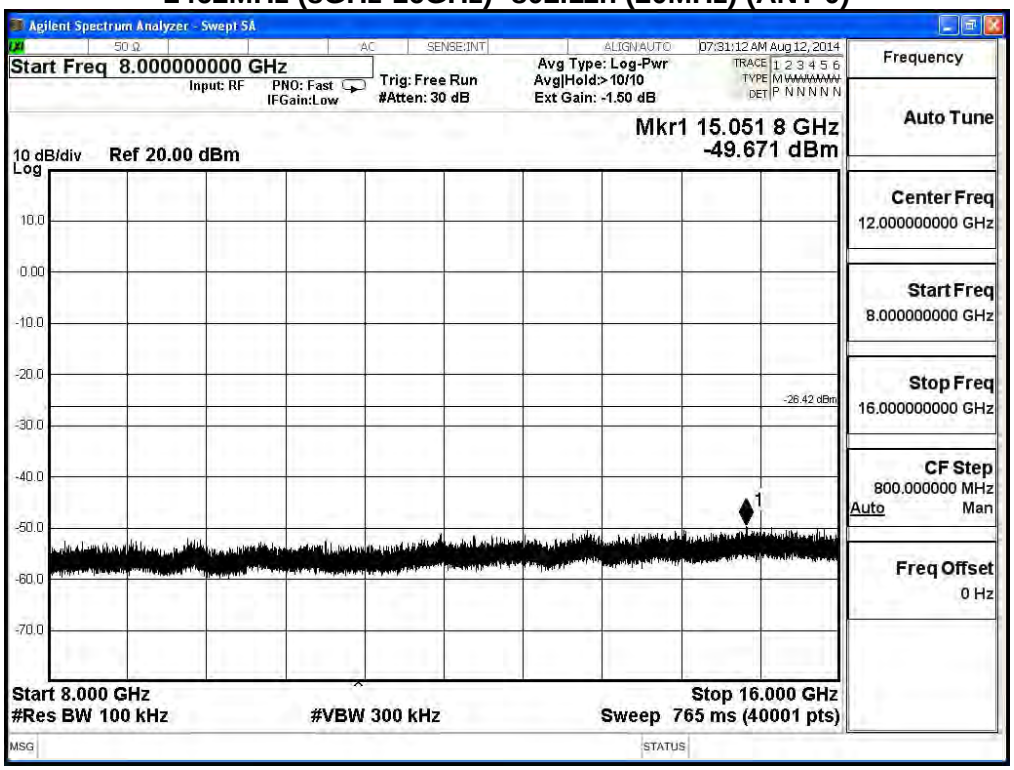
2462MHz (30MHz-1GHz)- 802.11n (20MHz) (ANT 0)



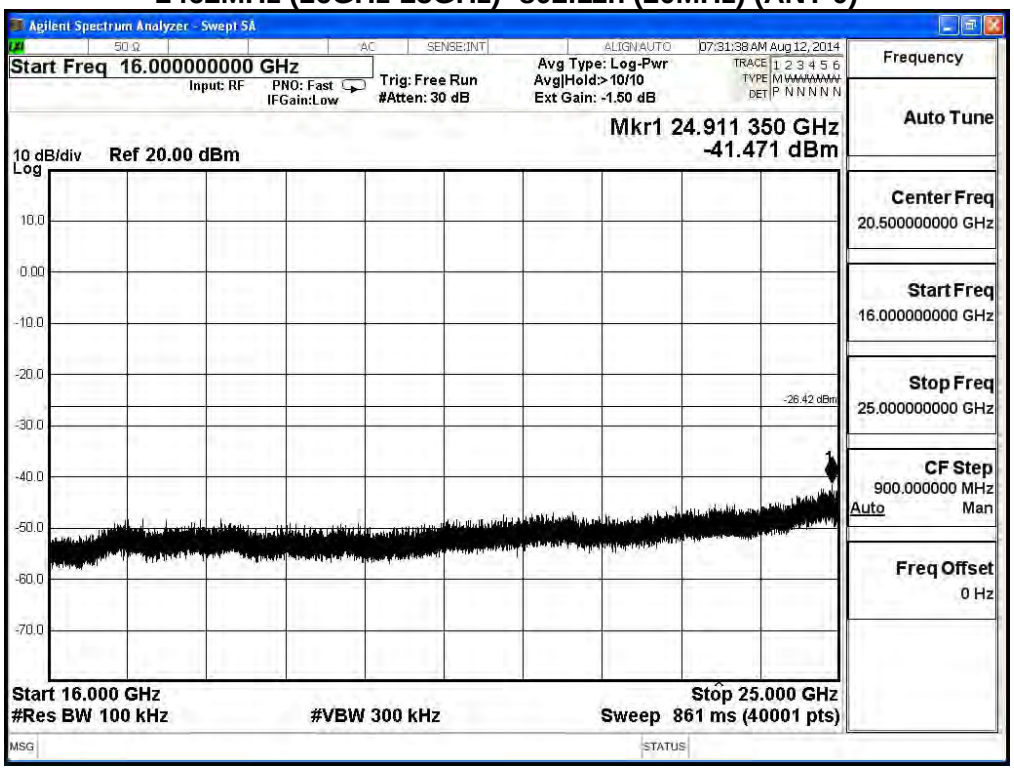
2462MHz (1GHz-8GHz) -802.11n (20MHz) (ANT 0)



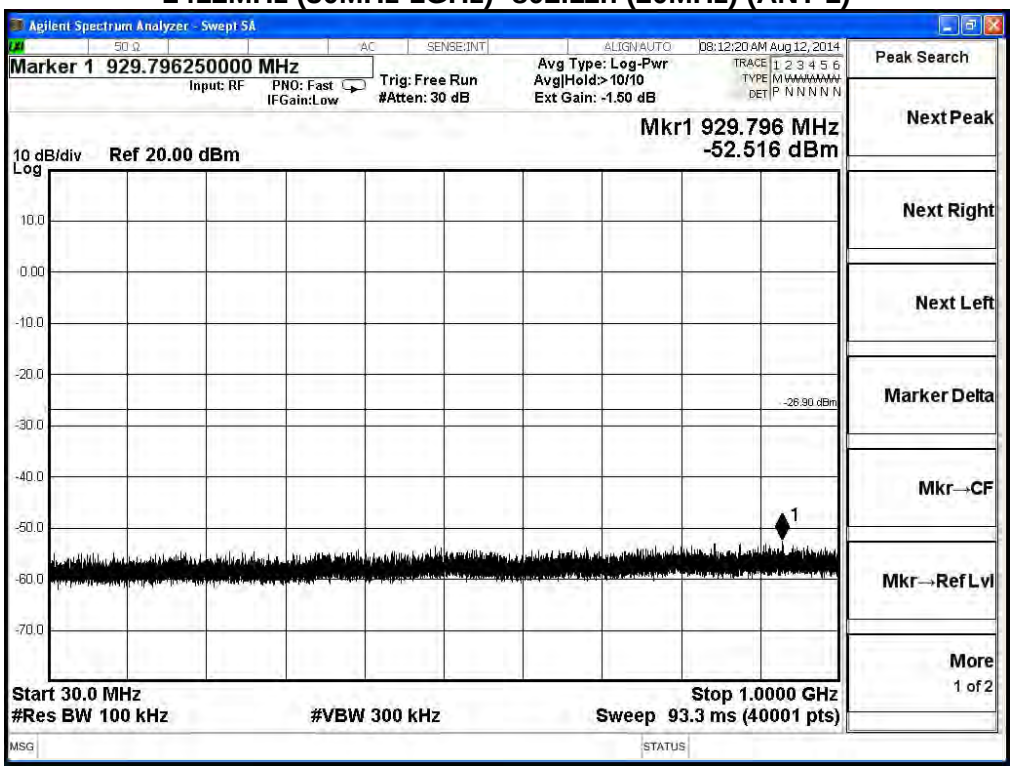
2462MHz (8GHz-16GHz) -802.11n (20MHz) (ANT 0)



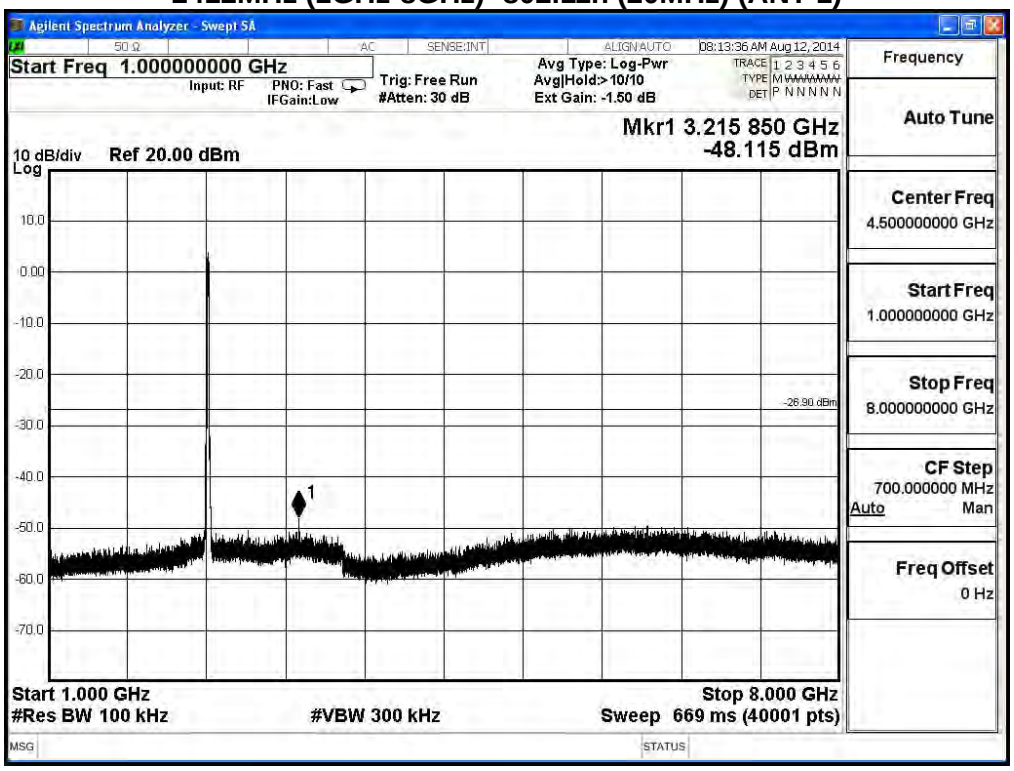
2462MHz (16GHz-25GHz) -802.11n (20MHz) (ANT 0)



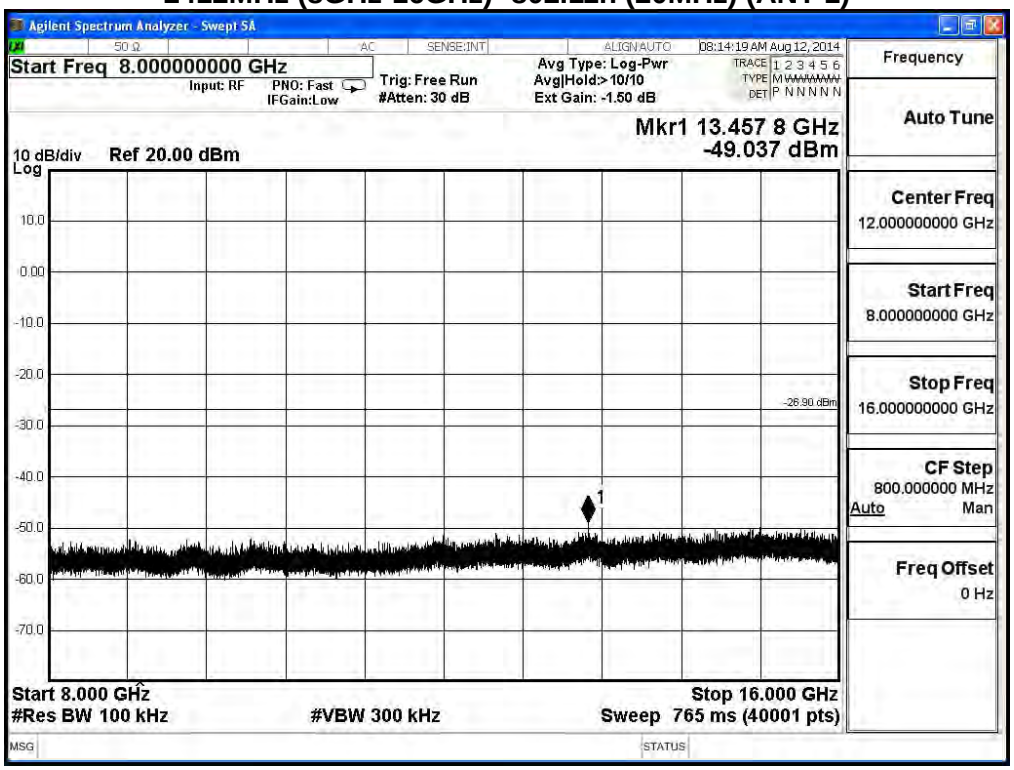
2412MHz (30MHz-1GHz)- 802.11n (20MHz) (ANT 1)



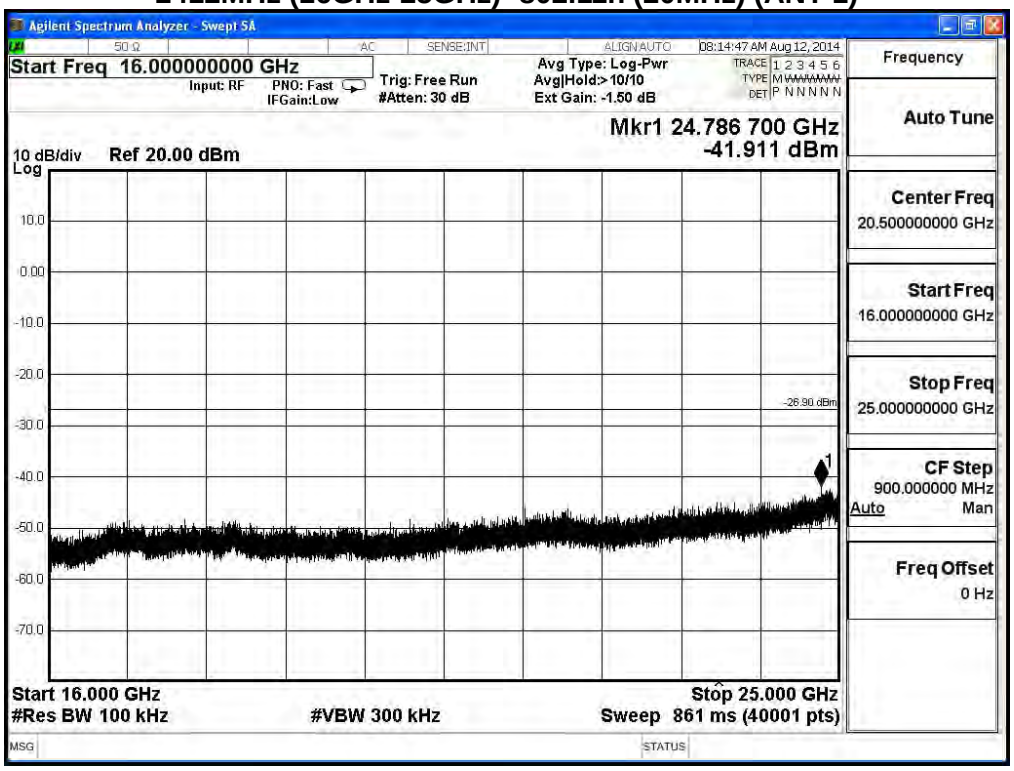
2412MHz (1GHz-8GHz) -802.11n (20MHz) (ANT 1)



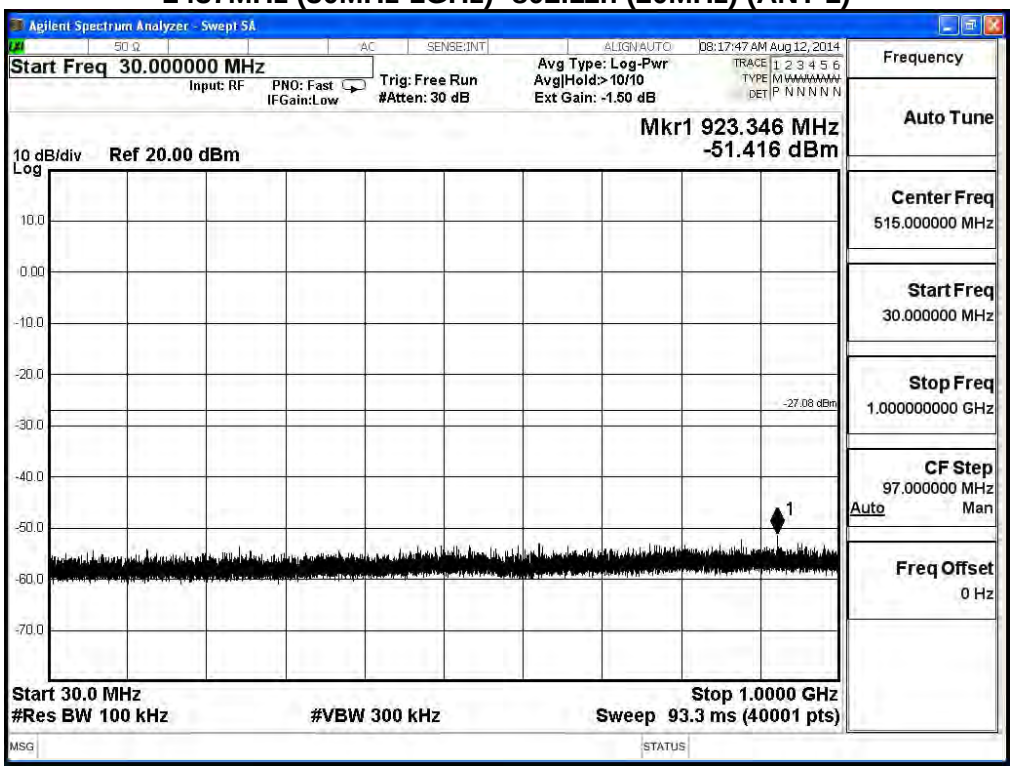
2412MHz (8GHz-16GHz) -802.11n (20MHz) (ANT 1)



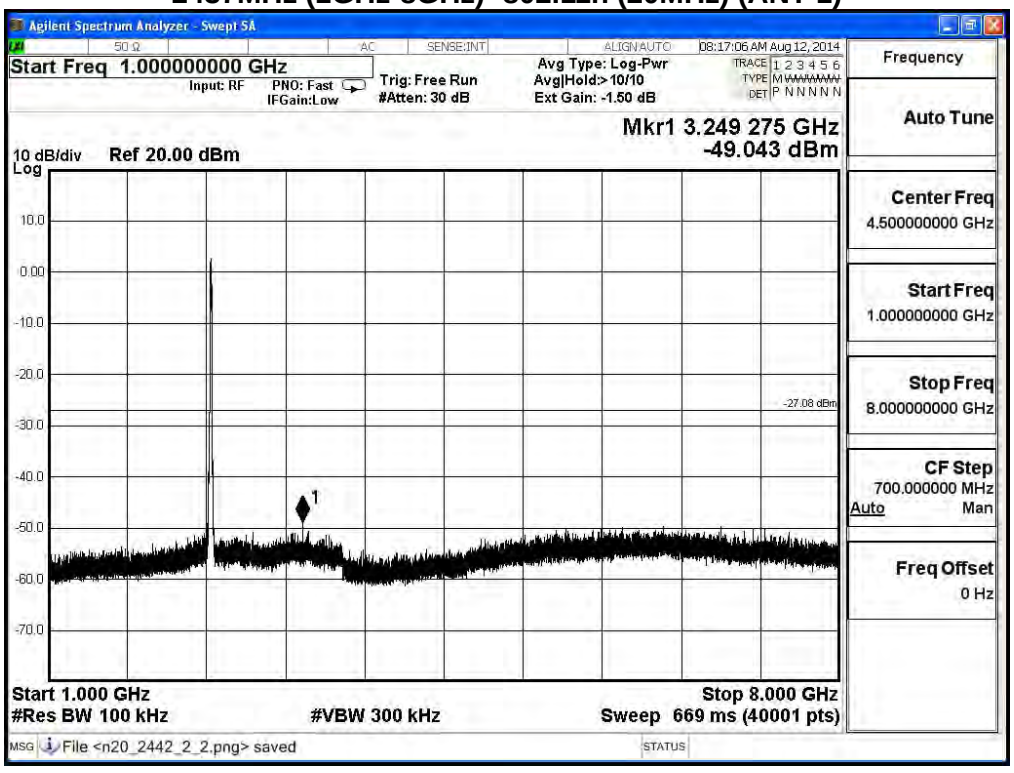
2412MHz (16GHz-25GHz) -802.11n (20MHz) (ANT 1)



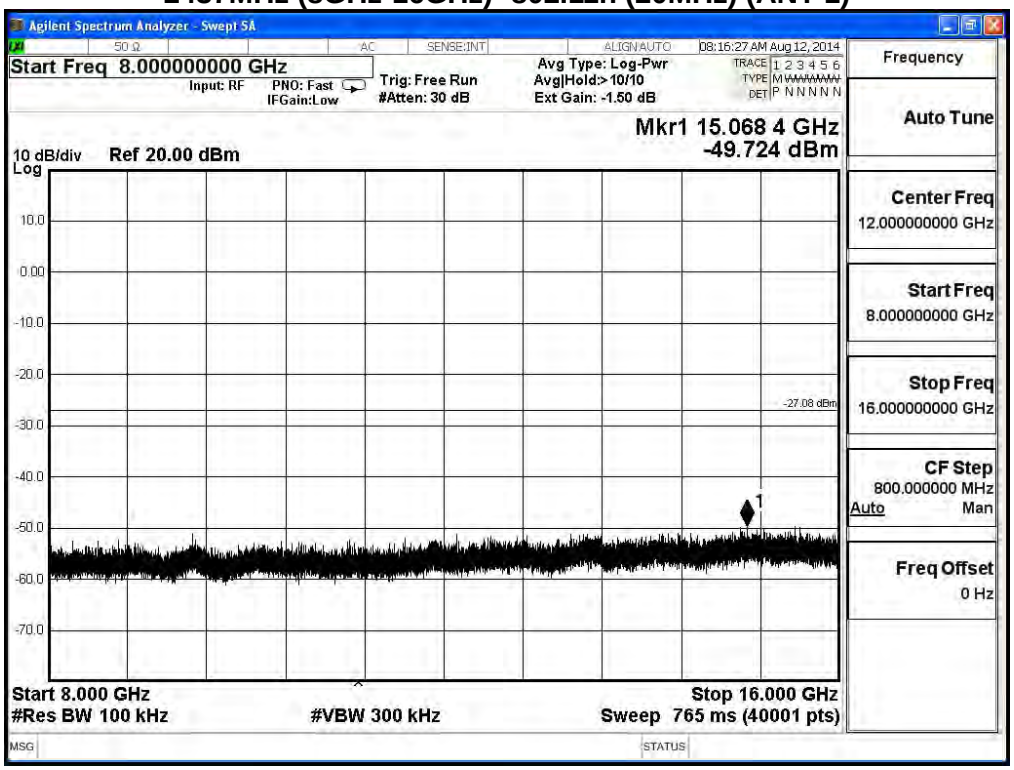
2437MHz (30MHz-1GHz)- 802.11n (20MHz) (ANT 1)



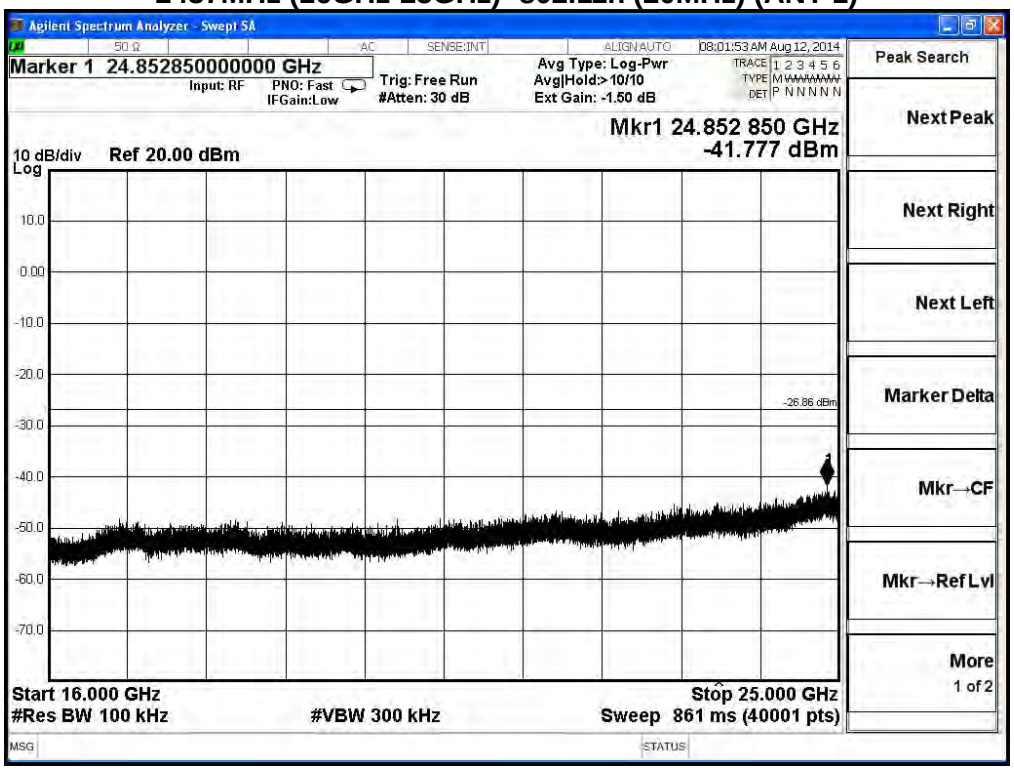
2437MHz (1GHz-8GHz) -802.11n (20MHz) (ANT 1)



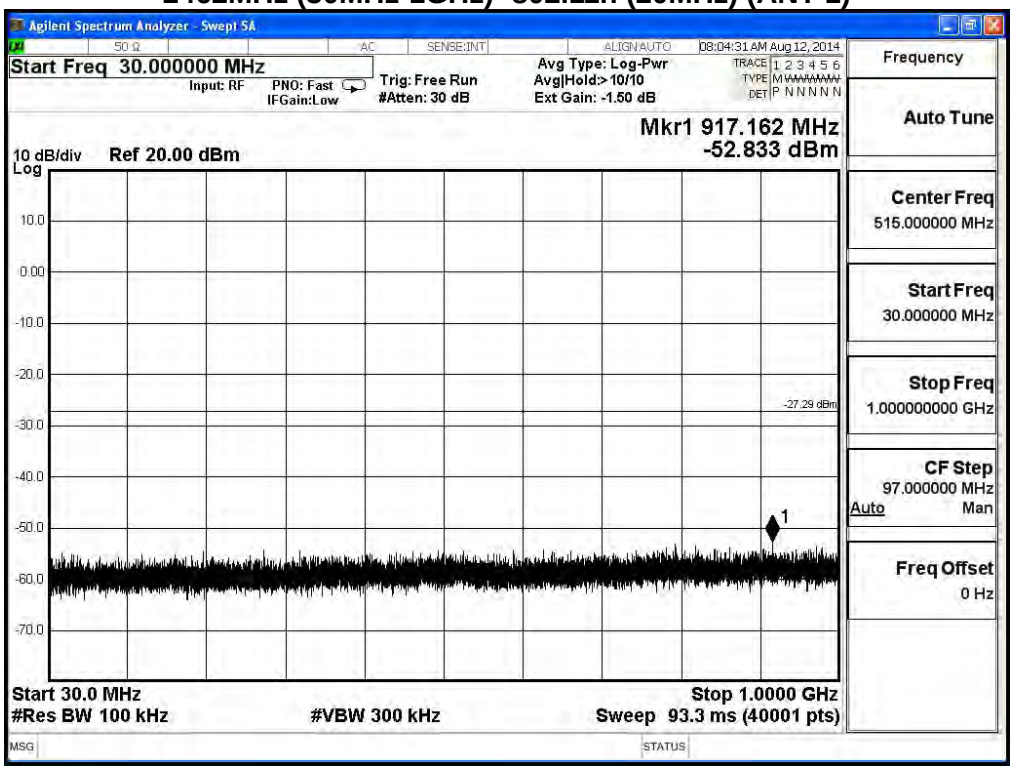
2437MHz (8GHz-16GHz) -802.11n (20MHz) (ANT 1)



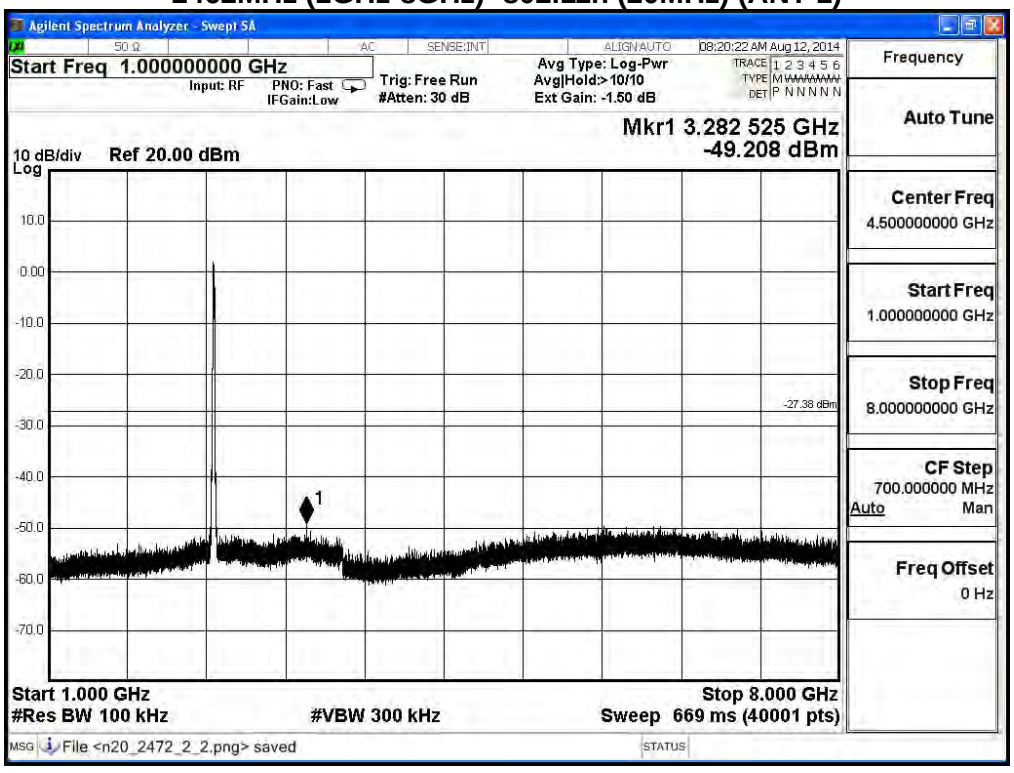
2437MHz (16GHz-25GHz) -802.11n (20MHz) (ANT 1)



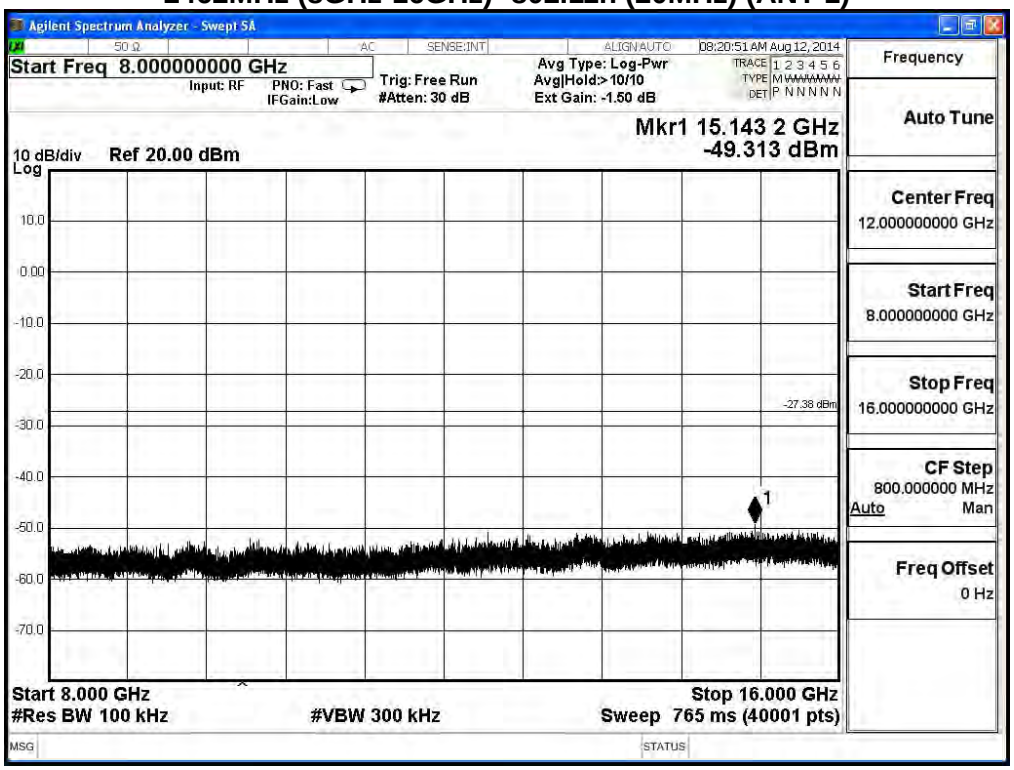
2462MHz (30MHz-1GHz)- 802.11n (20MHz) (ANT 1)



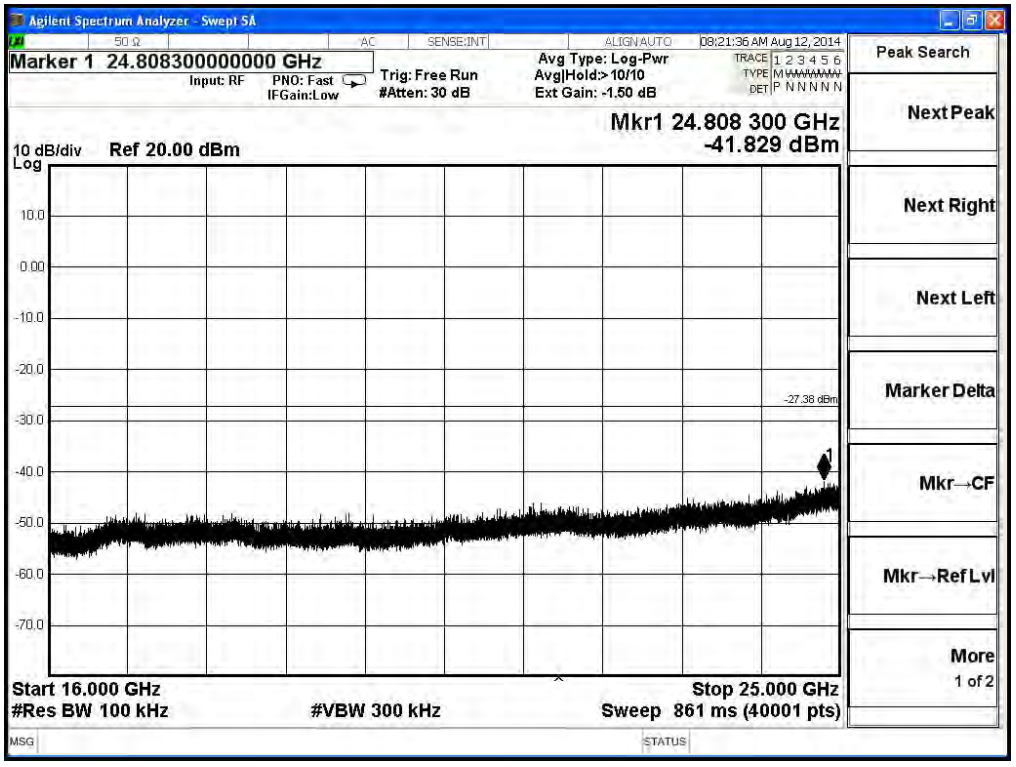
2462MHz (1GHz-8GHz) -802.11n (20MHz) (ANT 1)



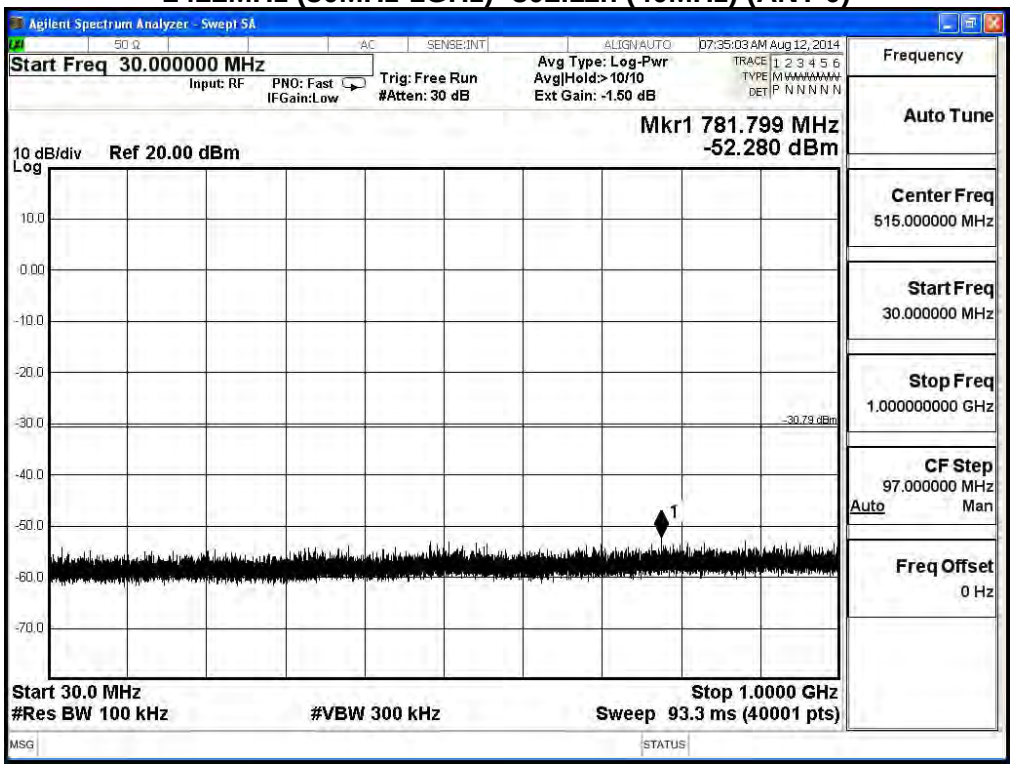
2462MHz (8GHz-16GHz) -802.11n (20MHz) (ANT 1)



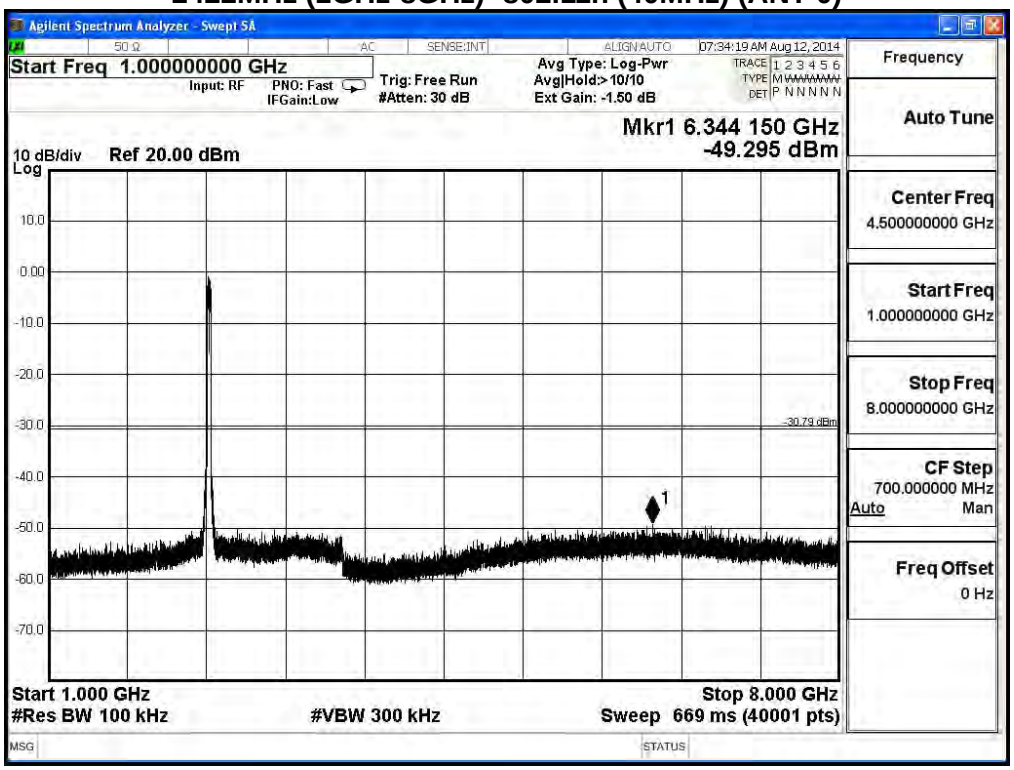
2462MHz (16GHz-25GHz) -802.11n (20MHz) (ANT 1)



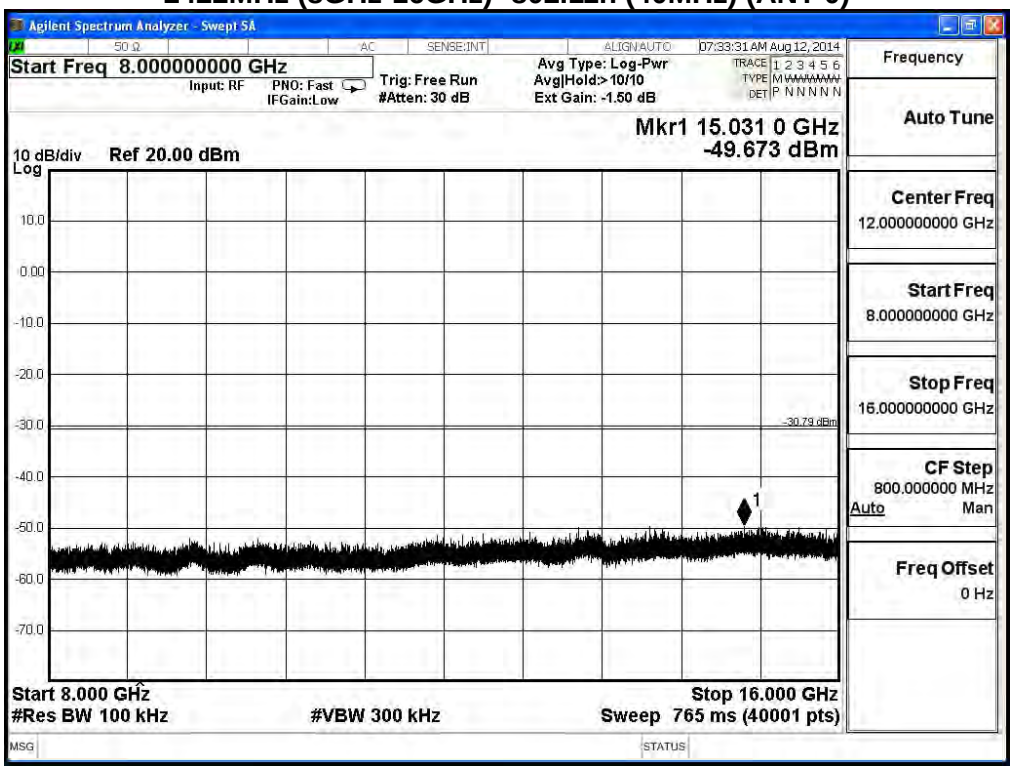
2422MHz (30MHz-1GHz)- 802.11n (40MHz) (ANT 0)



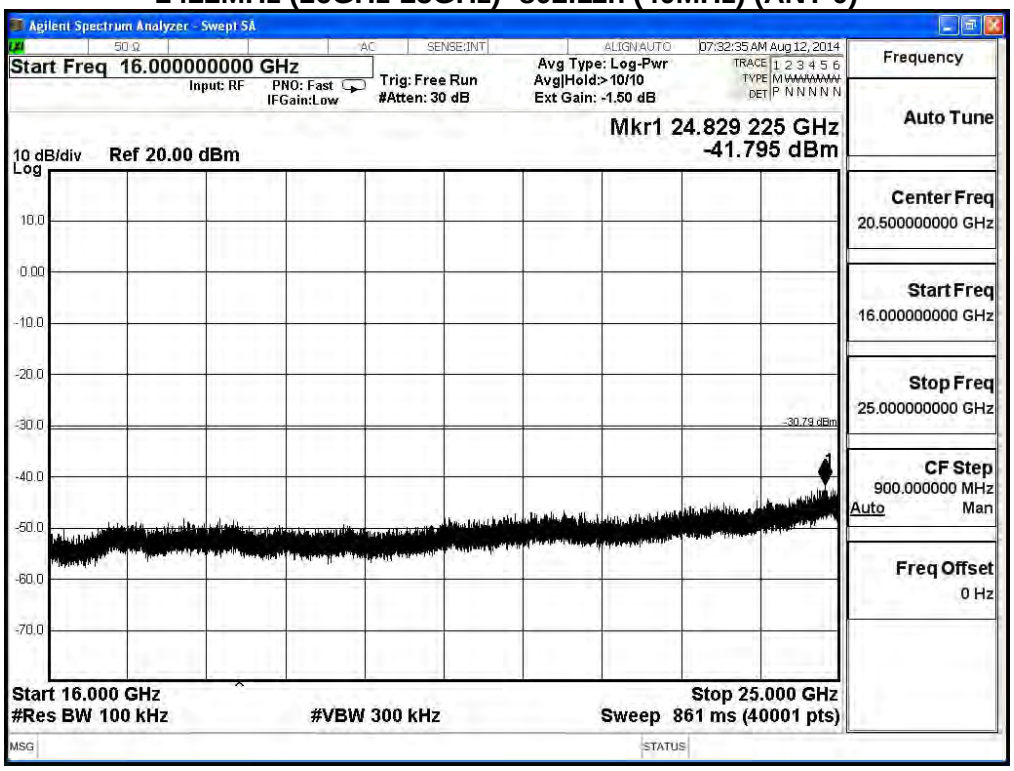
2422MHz (1GHz-8GHz) -802.11n (40MHz) (ANT 0)



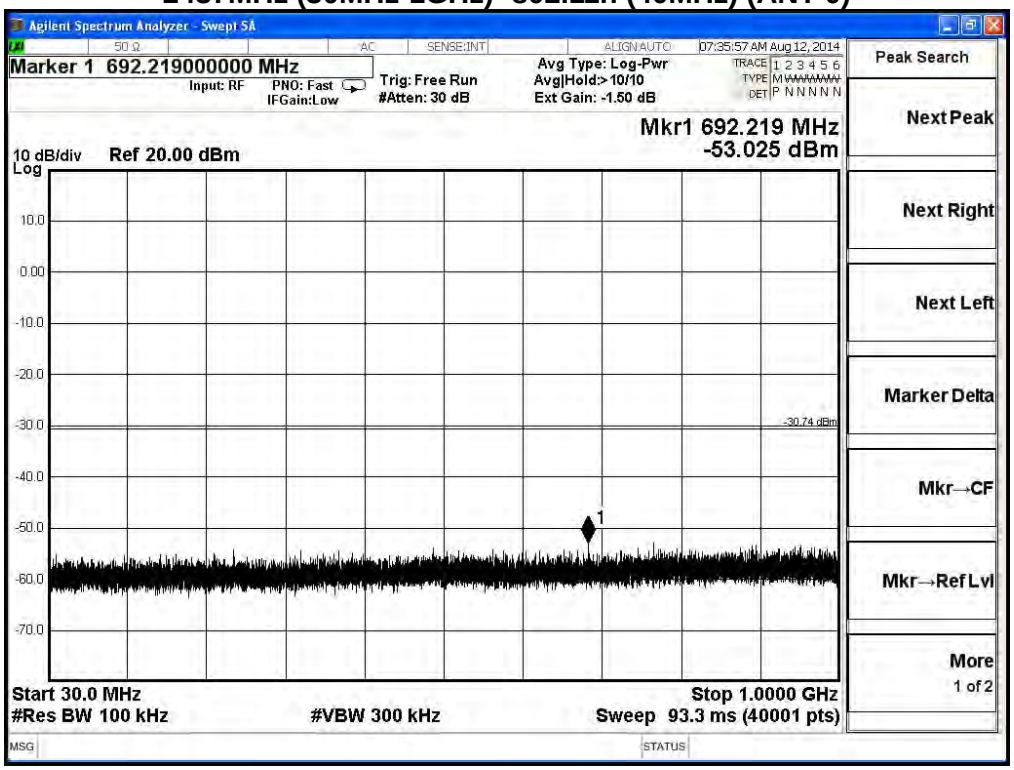
2422MHz (8GHz-16GHz) -802.11n (40MHz) (ANT 0)



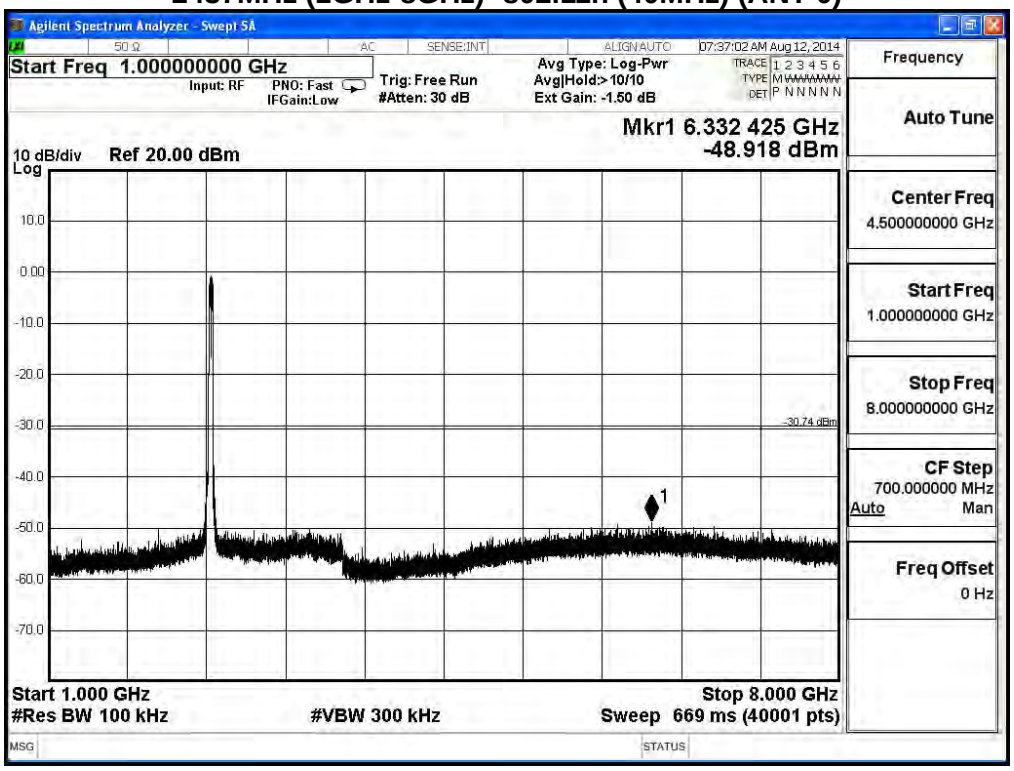
2422MHz (16GHz-25GHz) -802.11n (40MHz) (ANT 0)



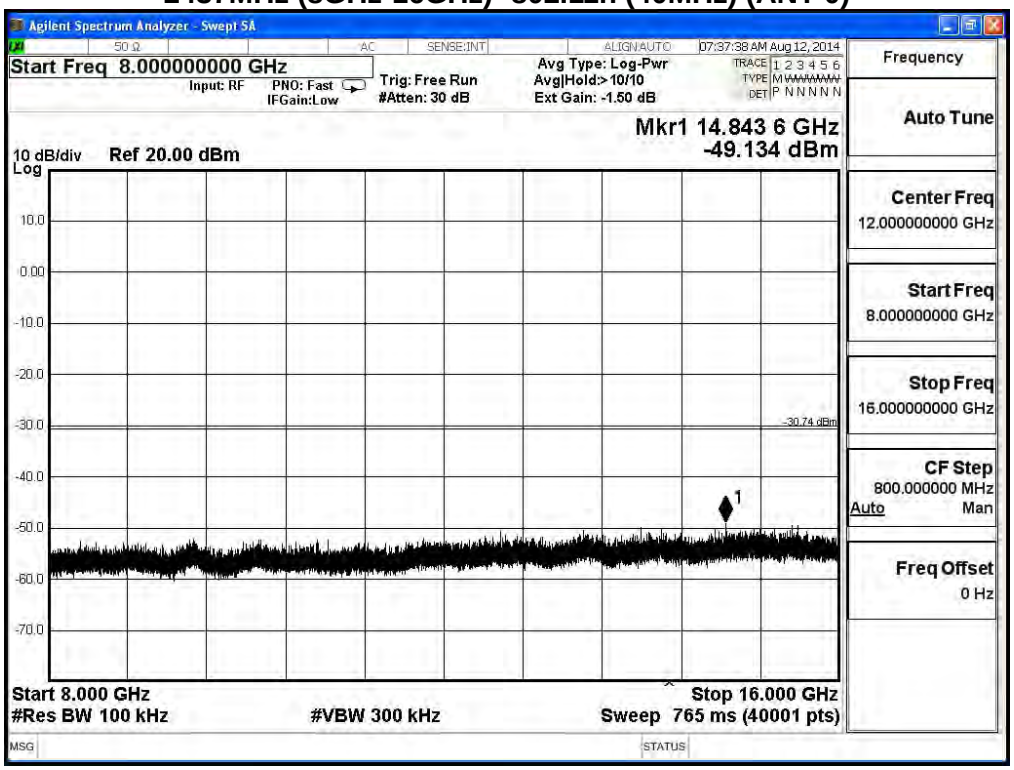
2437MHz (30MHz-1GHz)- 802.11n (40MHz) (ANT 0)



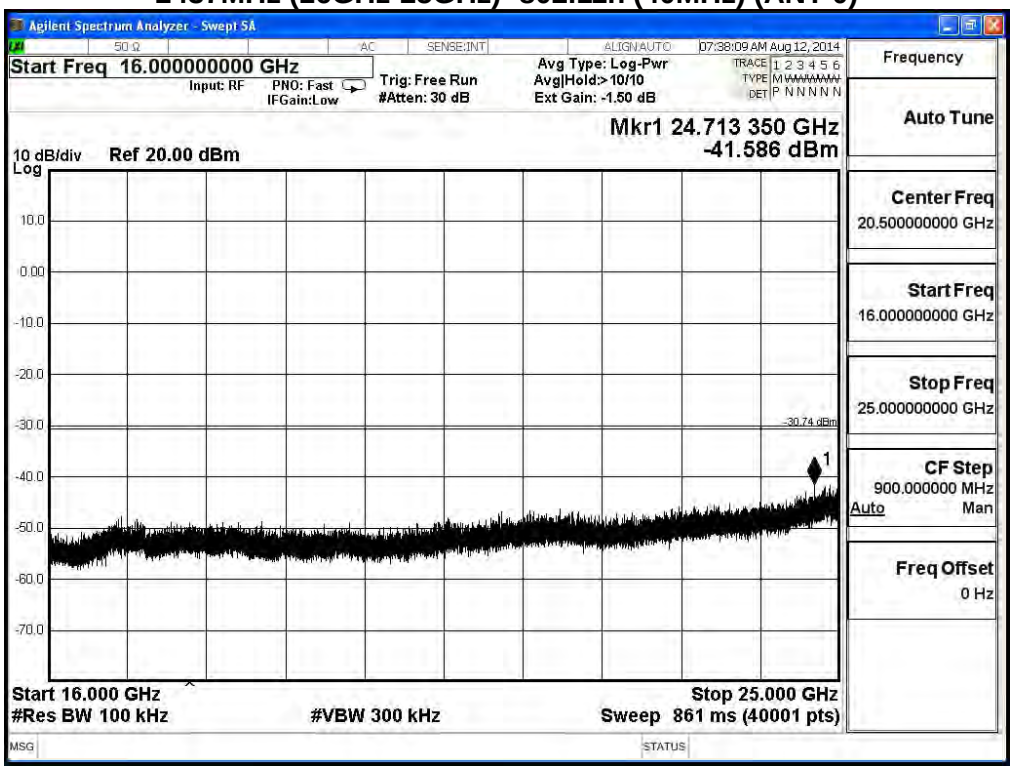
2437MHz (1GHz-8GHz) -802.11n (40MHz) (ANT 0)



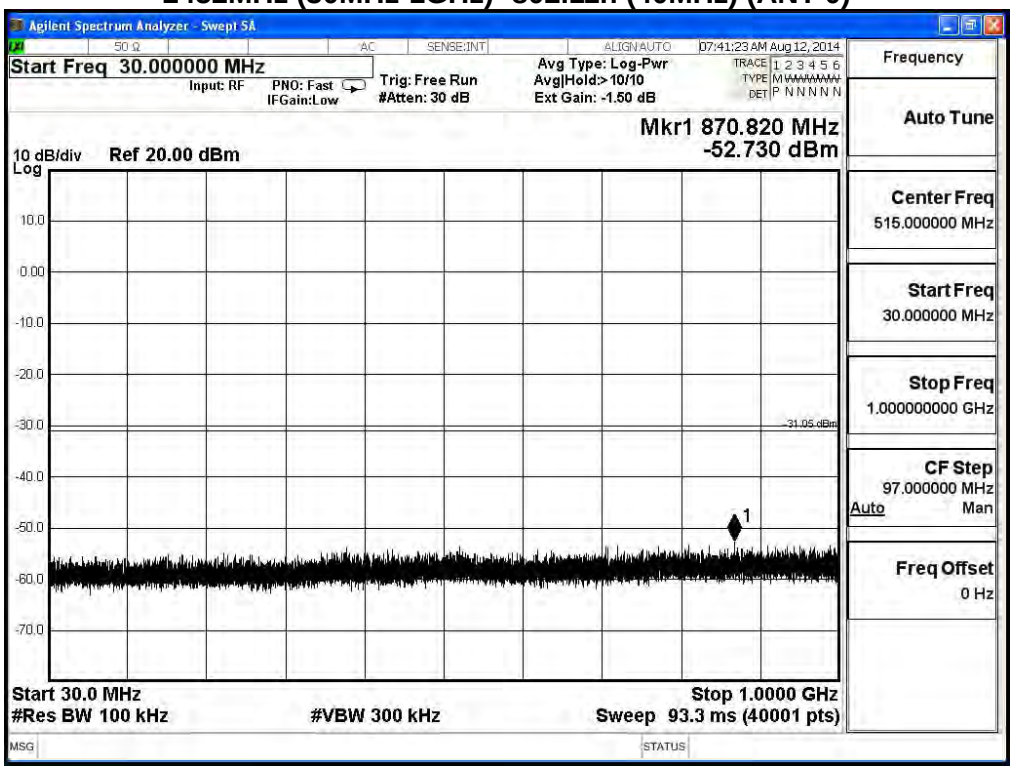
2437MHz (8GHz-16GHz) -802.11n (40MHz) (ANT 0)



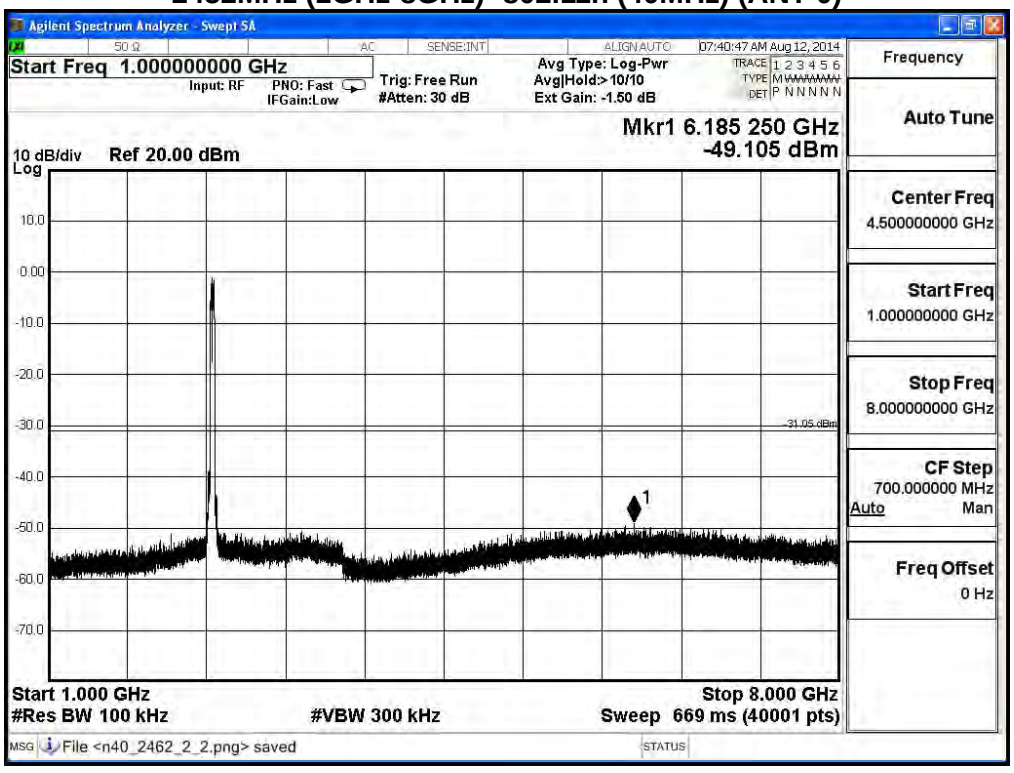
2437MHz (16GHz-25GHz) -802.11n (40MHz) (ANT 0)



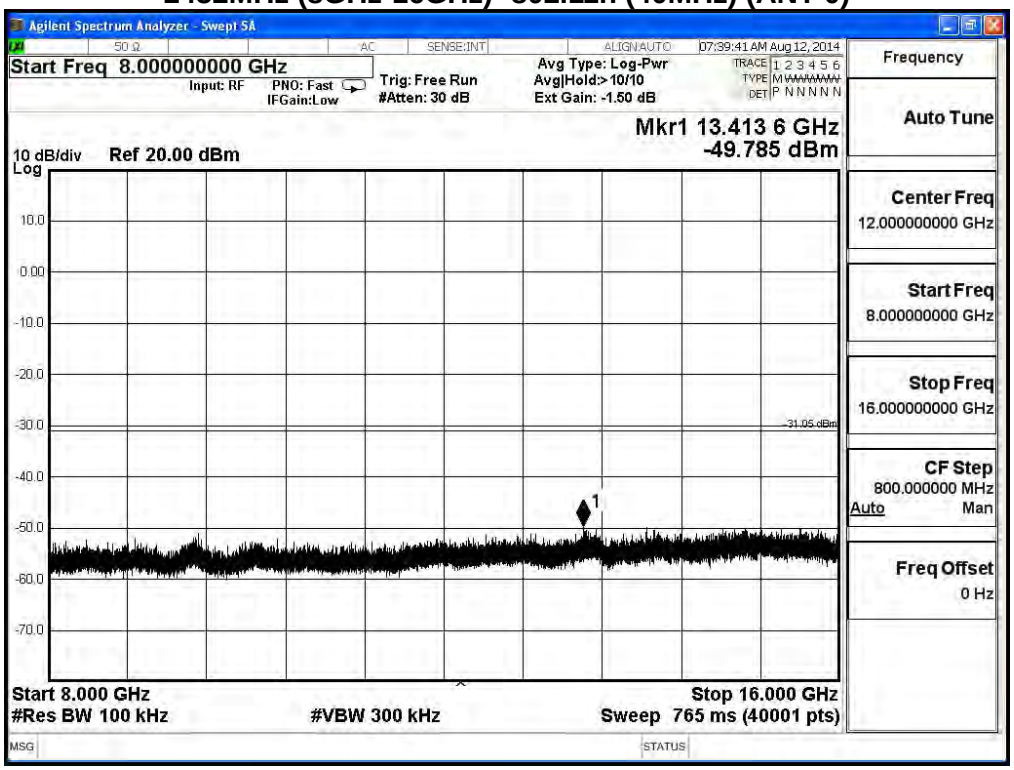
2452MHz (30MHz-1GHz)- 802.11n (40MHz) (ANT 0)



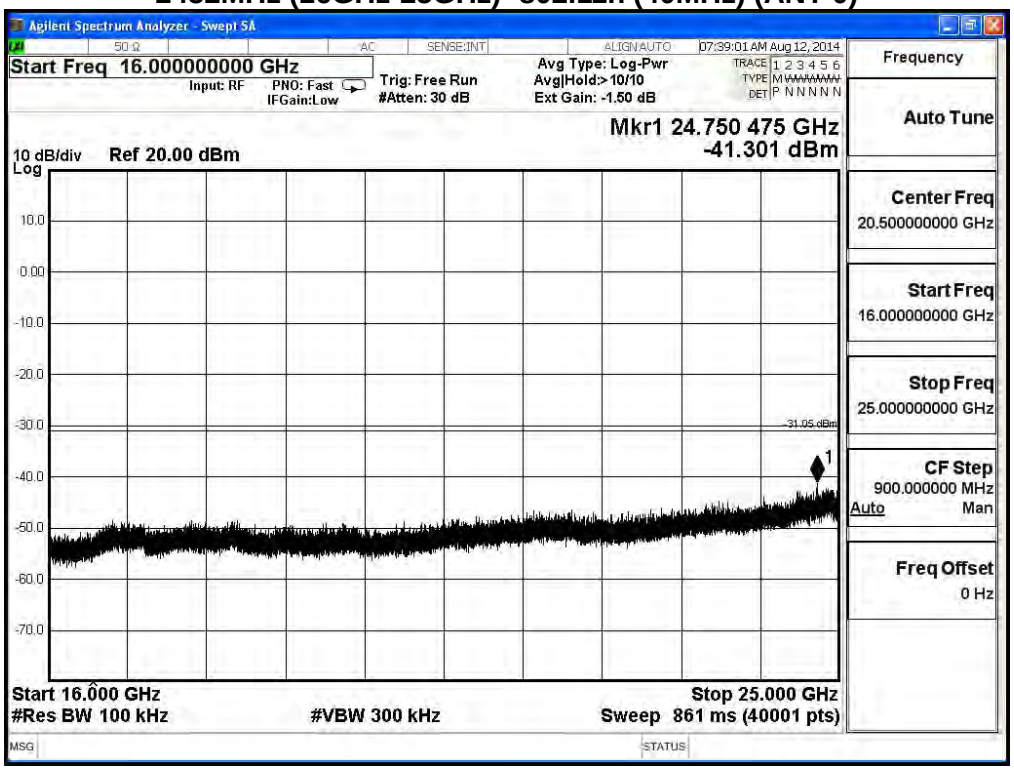
2452MHz (1GHz-8GHz) -802.11n (40MHz) (ANT 0)



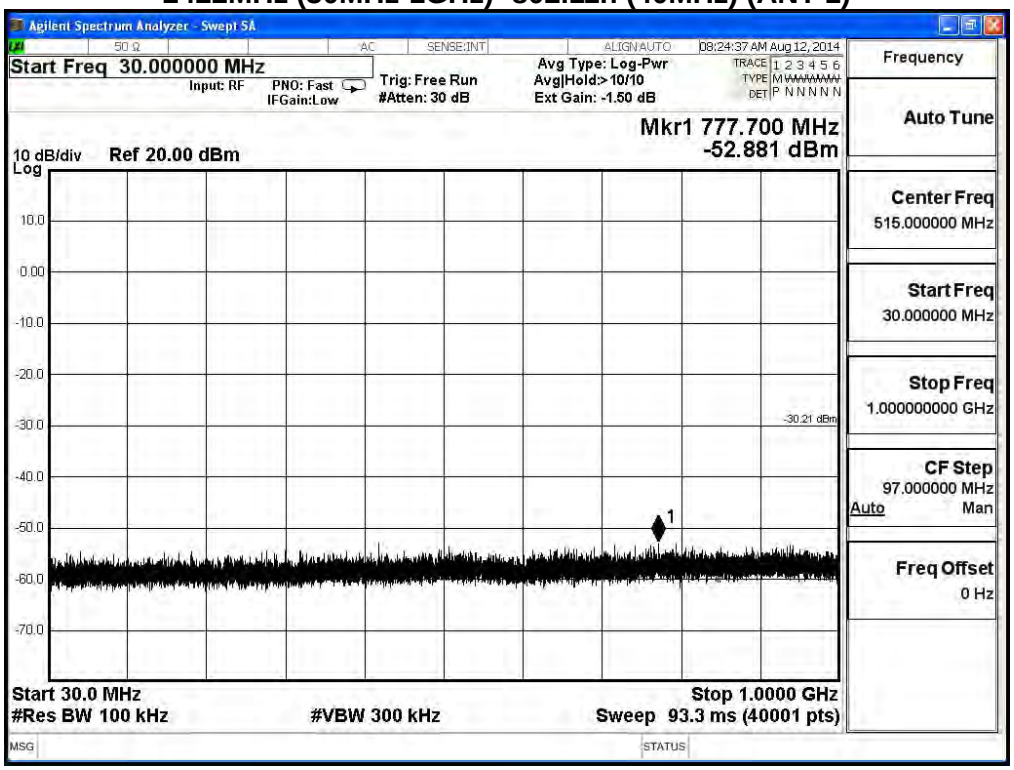
2452MHz (8GHz-16GHz) -802.11n (40MHz) (ANT 0)



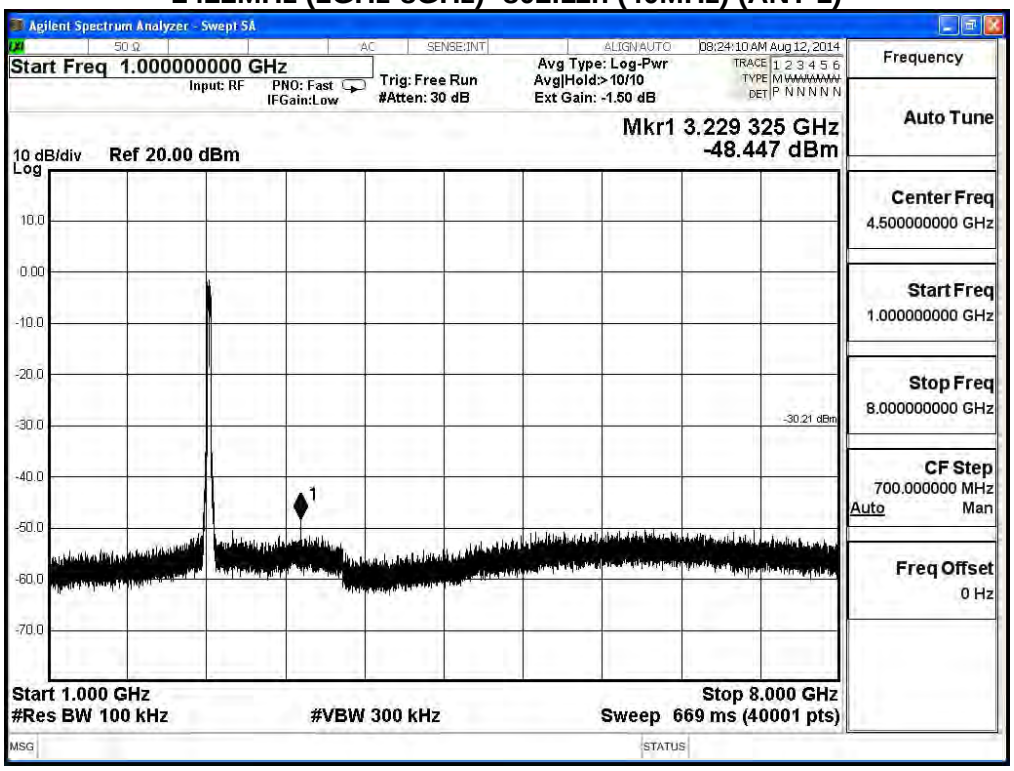
2452MHz (16GHz-25GHz) -802.11n (40MHz) (ANT 0)



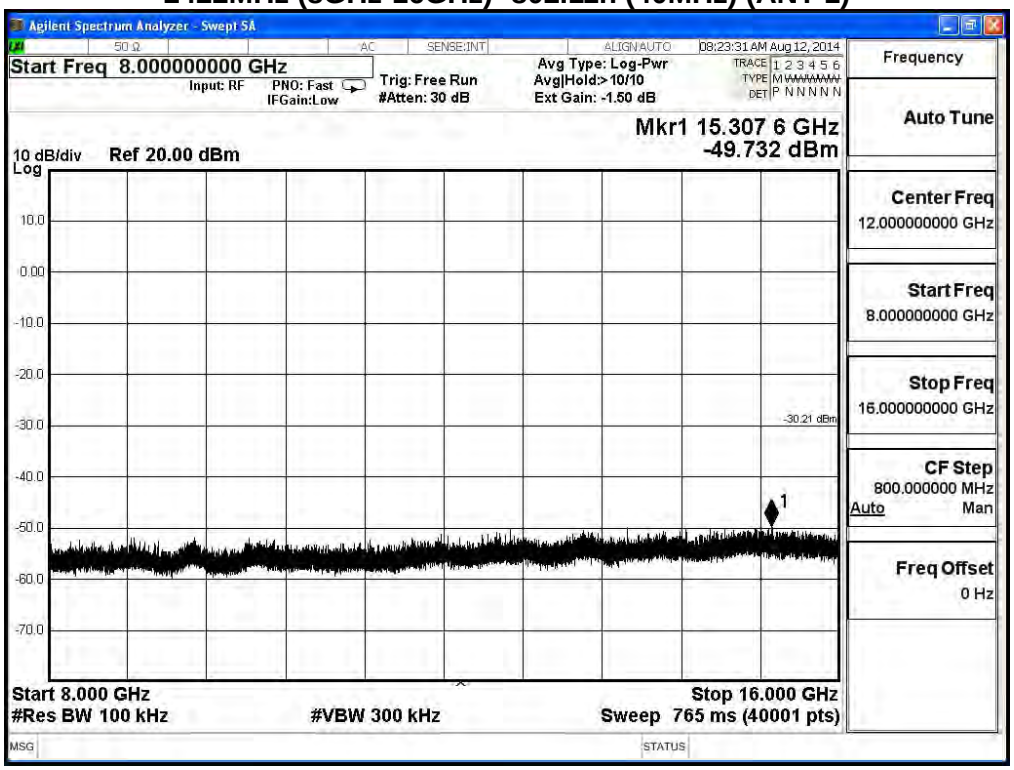
2422MHz (30MHz-1GHz)- 802.11n (40MHz) (ANT 1)



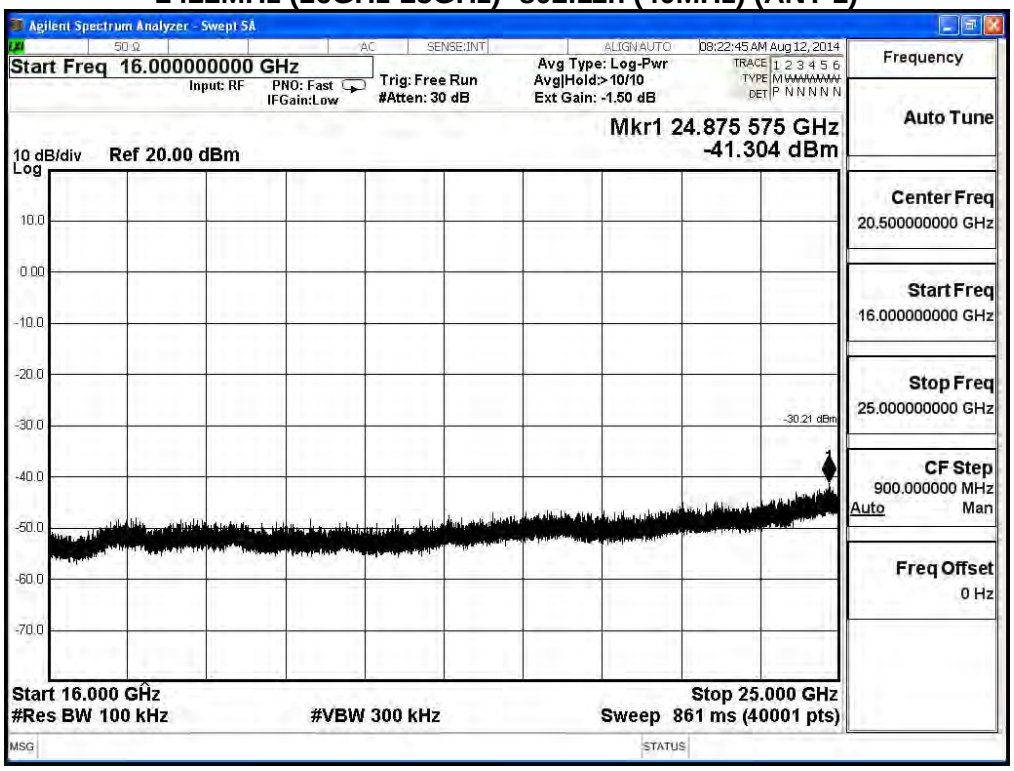
2422MHz (1GHz-8GHz) -802.11n (40MHz) (ANT 1)



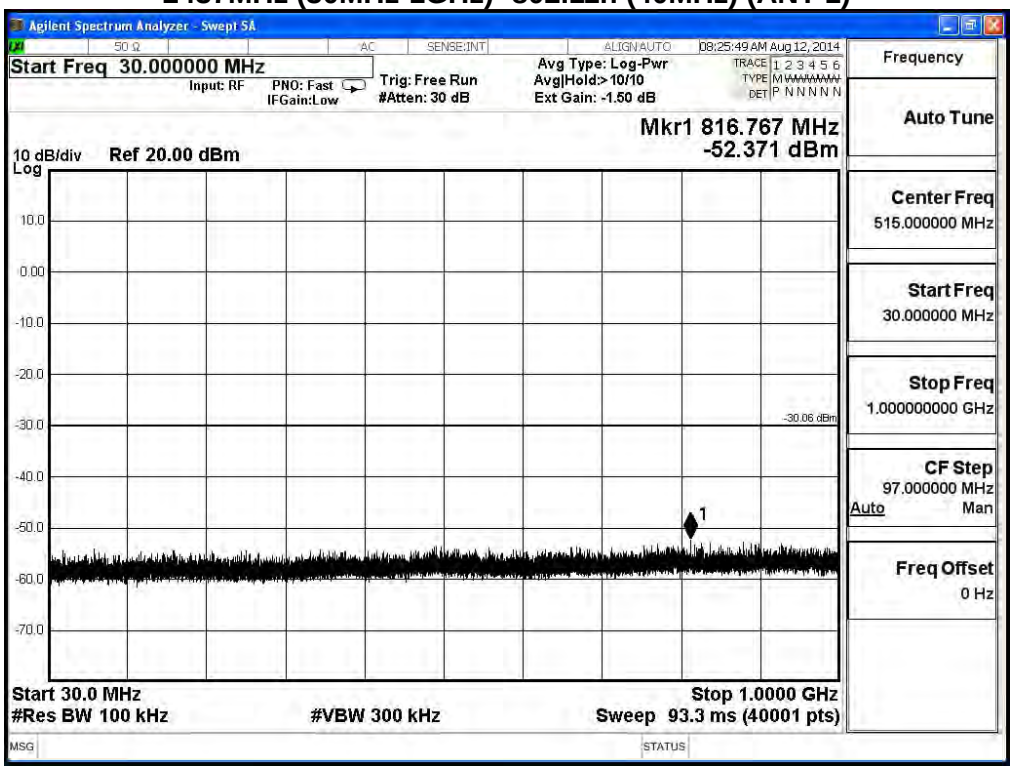
2422MHz (8GHz-16GHz) -802.11n (40MHz) (ANT 1)



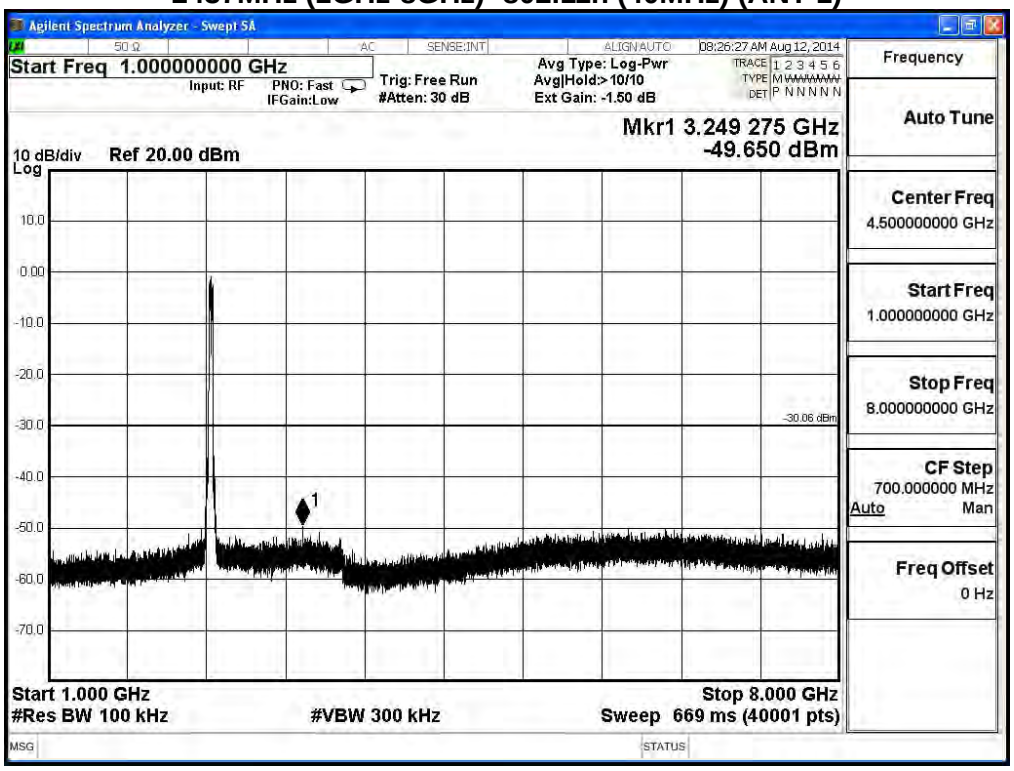
2422MHz (16GHz-25GHz) -802.11n (40MHz) (ANT 1)



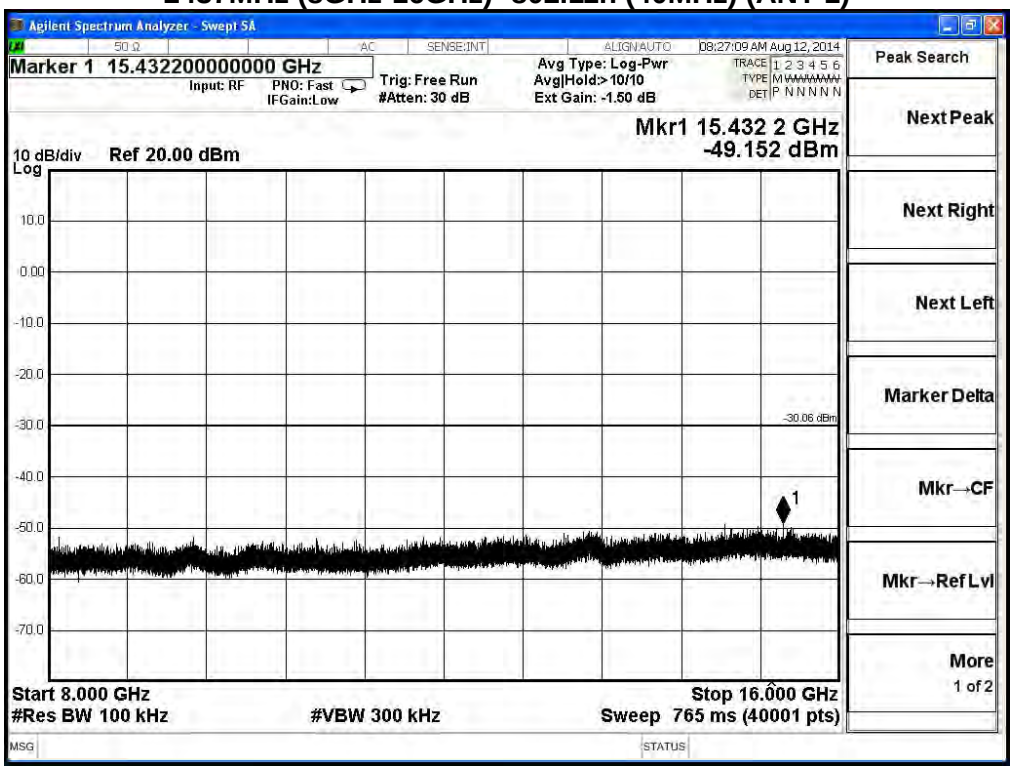
2437MHz (30MHz-1GHz)- 802.11n (40MHz) (ANT 1)



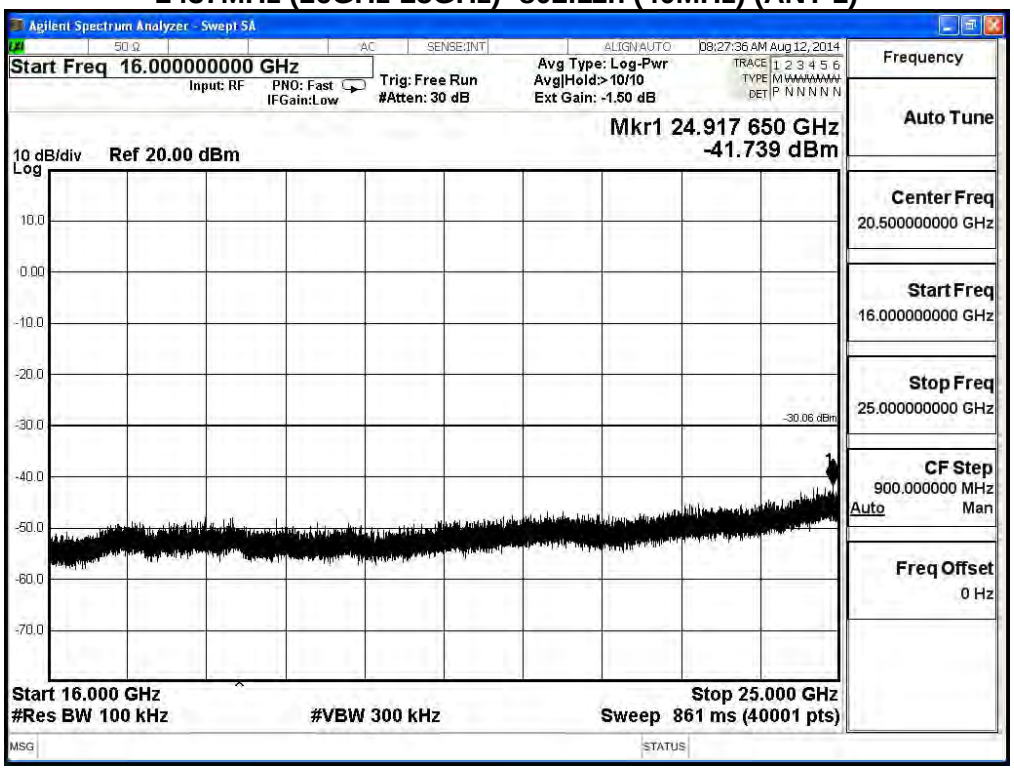
2437MHz (1GHz-8GHz) -802.11n (40MHz) (ANT 1)



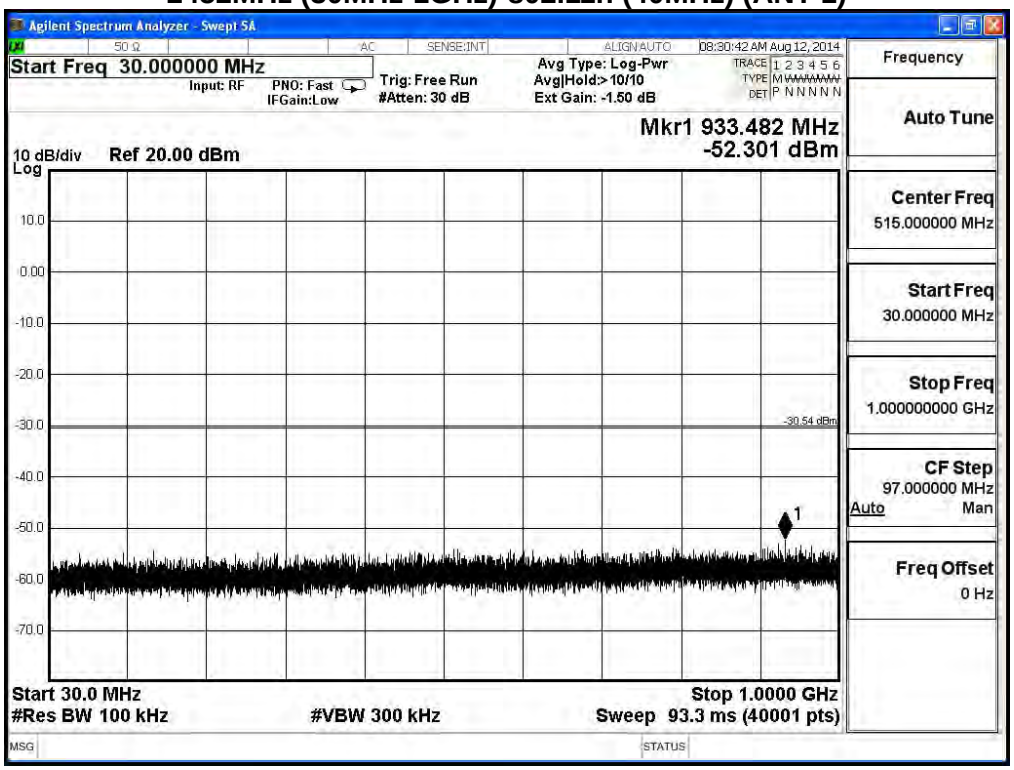
2437MHz (8GHz-16GHz) -802.11n (40MHz) (ANT 1)



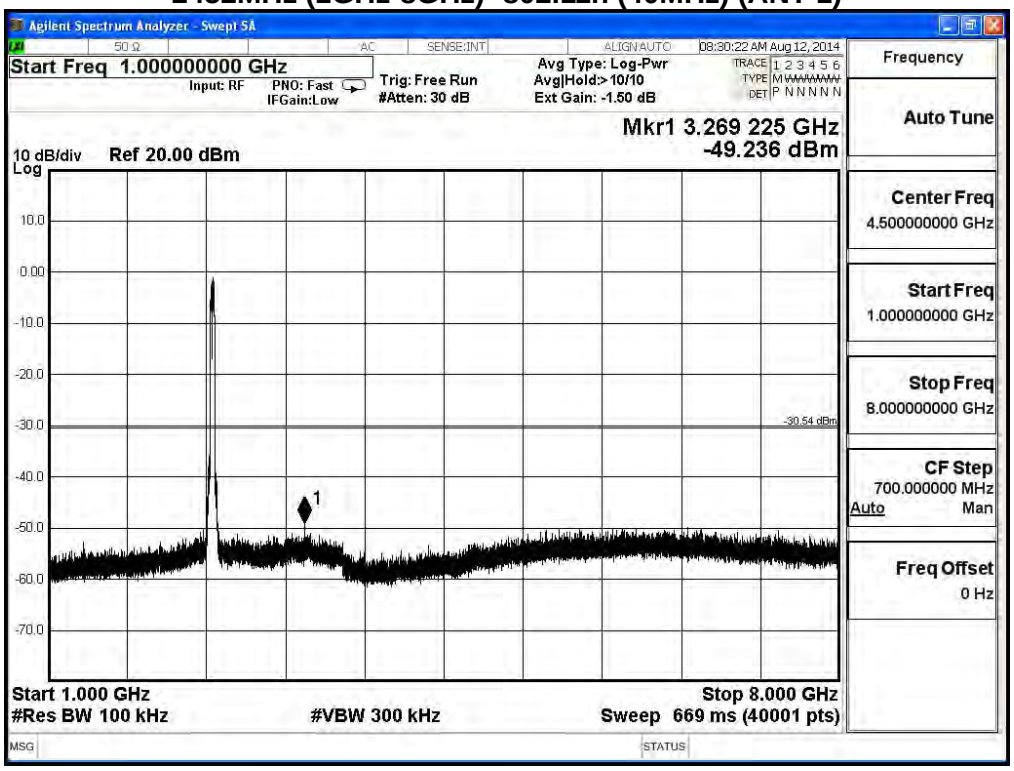
2437MHz (16GHz-25GHz) -802.11n (40MHz) (ANT 1)



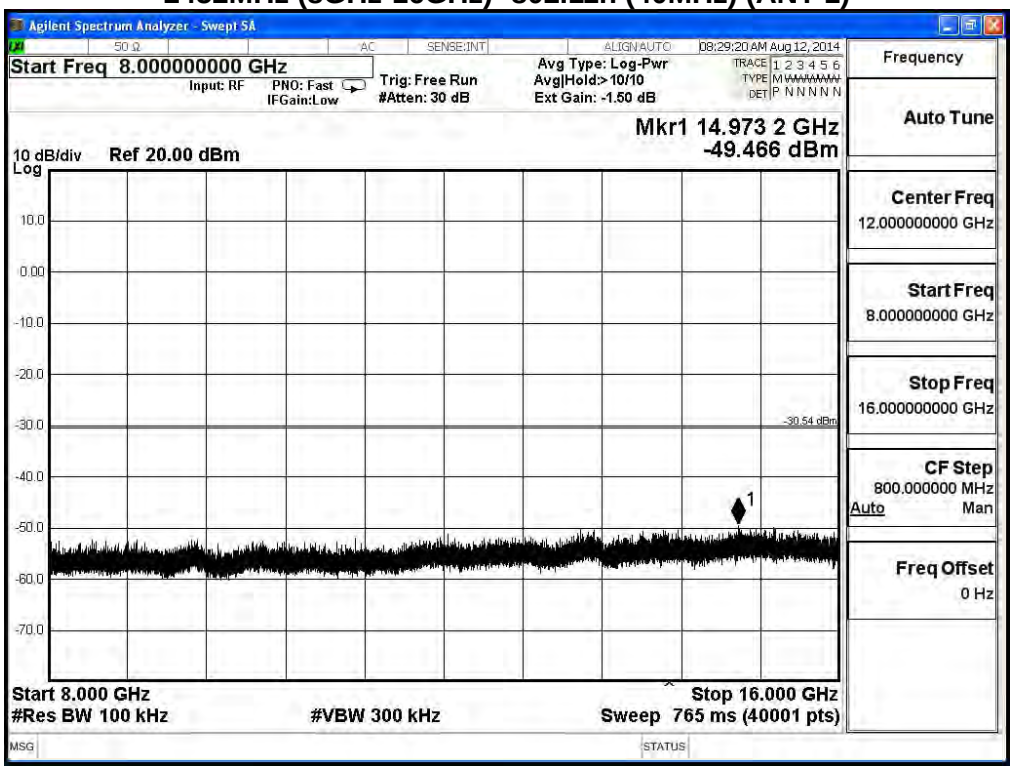
2452MHz (30MHz-1GHz)-802.11n (40MHz) (ANT 1)



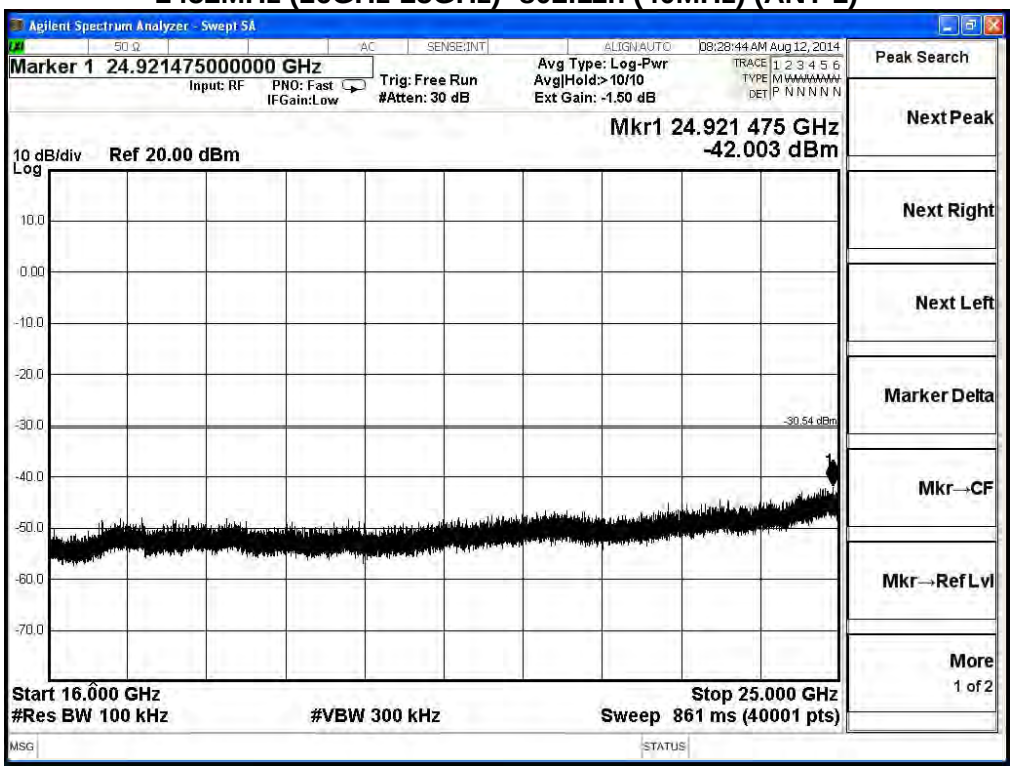
2452MHz (1GHz-8GHz) -802.11n (40MHz) (ANT 1)



2452MHz (8GHz-16GHz) -802.11n (40MHz) (ANT 1)



2452MHz (16GHz-25GHz) -802.11n (40MHz) (ANT 1)



6. Band Edge

6.1. Test Equipment

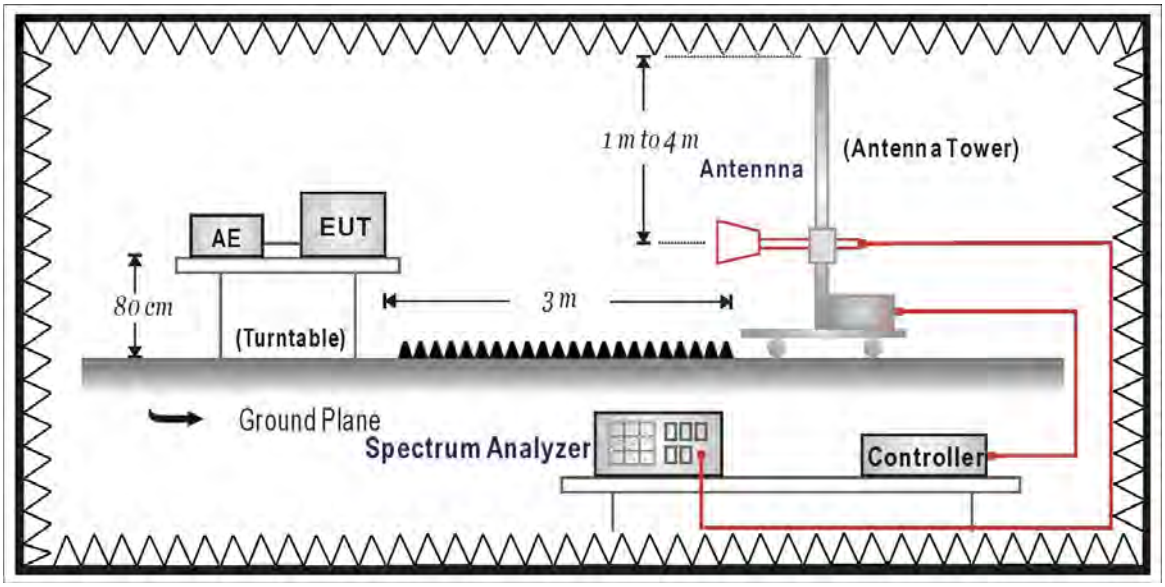
The following test equipments are used during the test:

Band Edge / CB1

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

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

6.2. Test Setup



6.3. 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.

6.4. Test Procedure

The EUT was setup according to ANSI C63.10 and tested according to DTS test procedure of KDB558074 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 EUT was positioned such that the distance from antenna to the EUT was 3 meters.

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

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

6.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2013

6.6. Uncertainty

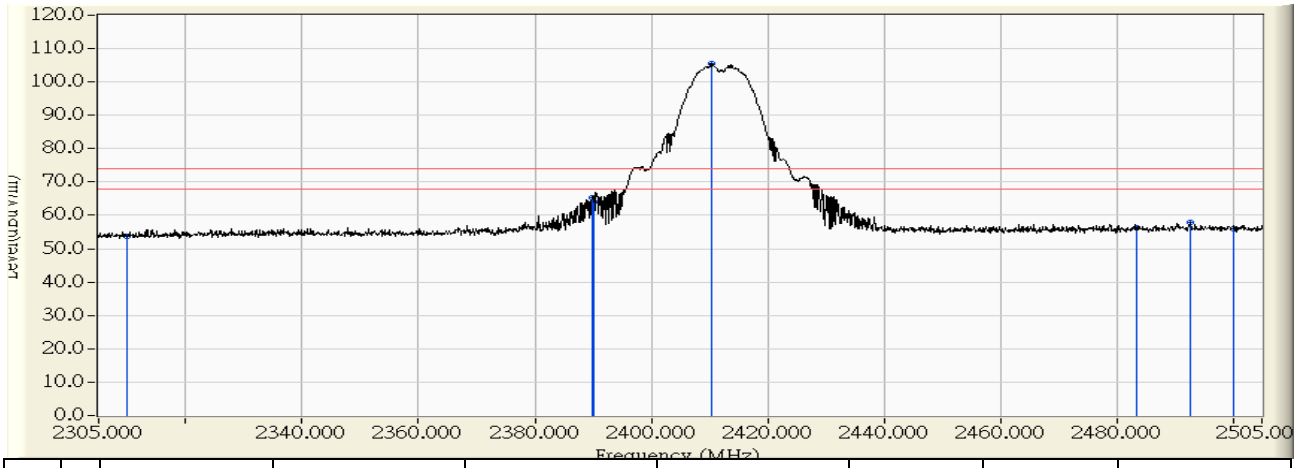
The measurement uncertainty

± 3.9 dB above 1GHz

6.7. Test Result

Radiated is defined as

Site : CB1	**Time : 2014/06/15 - 08:52**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 1: Transmit (CDD Mode)_802.11b_2412MHz**

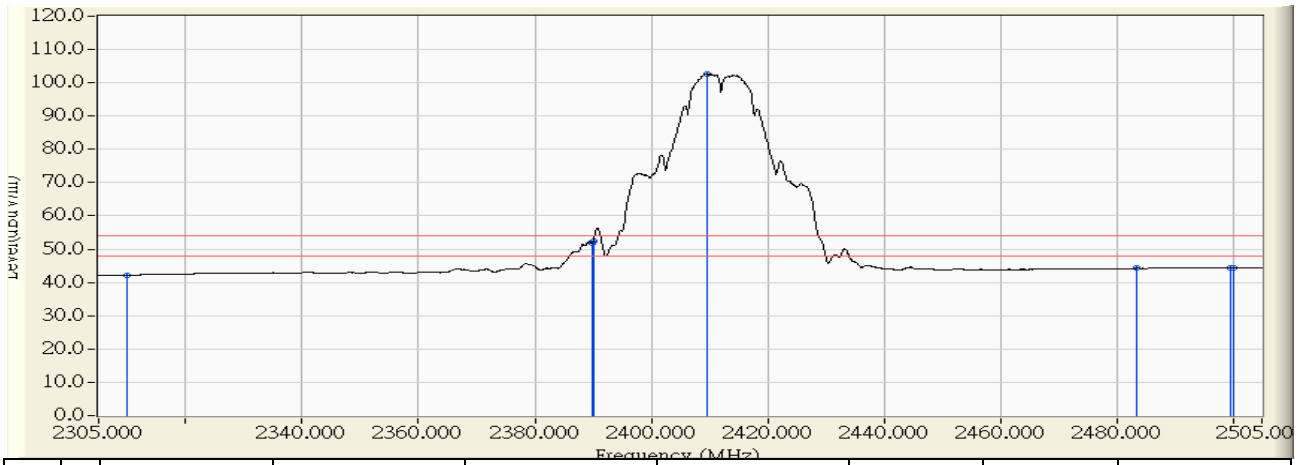


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.059	23.559	53.618	-20.382	74.000	PEAK
2		2389.800	30.886	34.499	65.385	-8.615	74.000	PEAK
3		2390.000	30.888	33.240	64.128	-9.872	74.000	PEAK
4	*	2410.300	31.099	74.520	105.619	31.619	74.000	PEAK
5		2483.500	31.858	24.448	56.306	-17.694	74.000	PEAK
6		2492.600	31.952	25.917	57.869	-16.131	74.000	PEAK
7		2500.000	31.988	23.859	55.848	-18.152	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/15 - 08:59**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 1: Transmit (CDD Mode)_802.11b_2412MHz**

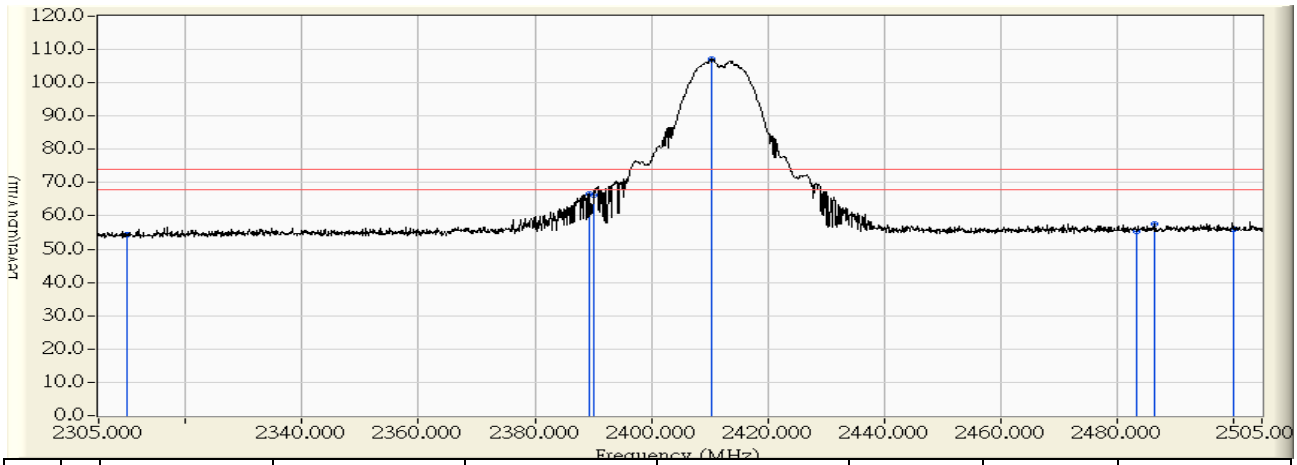


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.059	12.170	42.229	-11.771	54.000	AVERAGE
2		2389.800	30.886	20.933	51.819	-2.181	54.000	AVERAGE
3		2390.000	30.888	21.513	52.401	-1.599	54.000	AVERAGE
4	*	2409.700	31.092	71.536	102.629	48.629	54.000	AVERAGE
5		2483.500	31.858	12.406	44.264	-9.736	54.000	AVERAGE
6		2499.500	31.989	12.336	44.324	-9.676	54.000	AVERAGE
7		2500.000	31.988	12.346	44.335	-9.665	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/06/15 - 09:11**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 1: Transmit (CDD Mode)_802.11b_2412MHz**

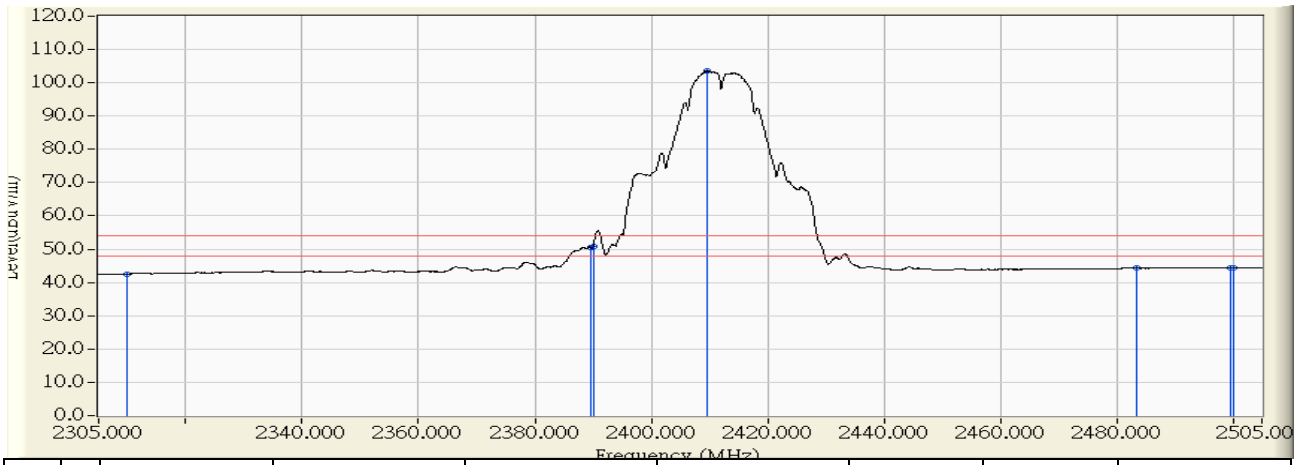


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.059	24.253	54.312	-19.688	74.000	PEAK
2		2389.400	30.882	35.630	66.512	-7.488	74.000	PEAK
3		2390.000	30.888	35.483	66.371	-7.629	74.000	PEAK
4	*	2410.300	31.099	76.037	107.136	33.136	74.000	PEAK
5		2483.500	31.858	23.497	55.355	-18.645	74.000	PEAK
6		2486.600	31.971	25.620	57.591	-16.409	74.000	PEAK
7		2500.000	31.988	23.942	55.931	-18.069	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/15 - 09:12**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 1: Transmit (CDD Mode)_802.11b_2412MHz**

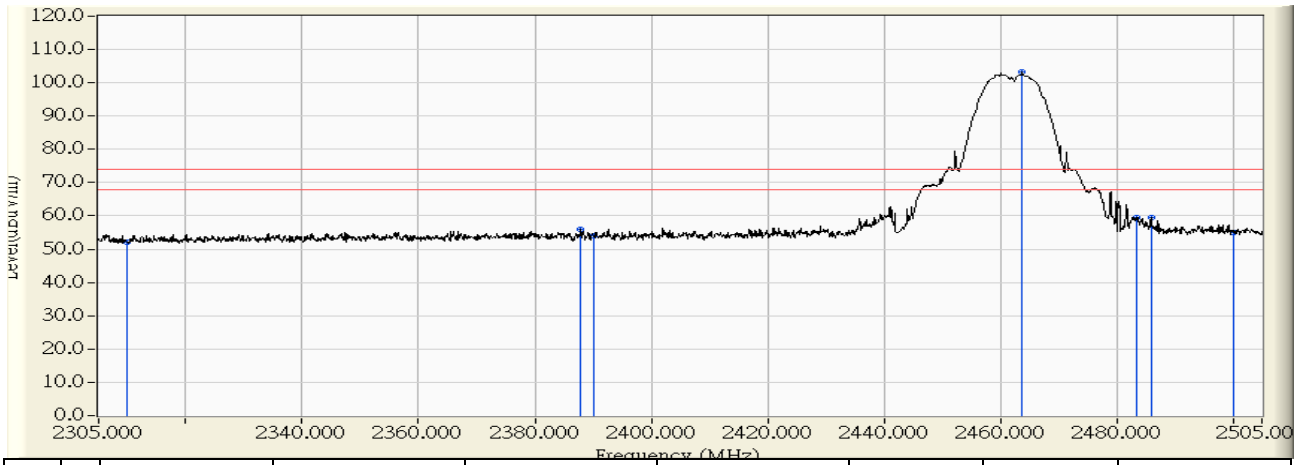


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.059	12.539	42.598	-11.402	54.000	AVERAGE
2		2389.500	30.883	19.592	50.475	-3.525	54.000	AVERAGE
3		2390.000	30.888	19.918	50.806	-3.194	54.000	AVERAGE
4	*	2409.700	31.092	72.403	103.496	49.496	54.000	AVERAGE
5		2483.500	31.858	12.427	44.285	-9.715	54.000	AVERAGE
6		2499.500	31.989	12.372	44.360	-9.640	54.000	AVERAGE
7		2500.000	31.988	12.422	44.411	-9.589	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/06/15 - 09:54**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 1: Transmit (CDD Mode)_802.11b_2462MHz**

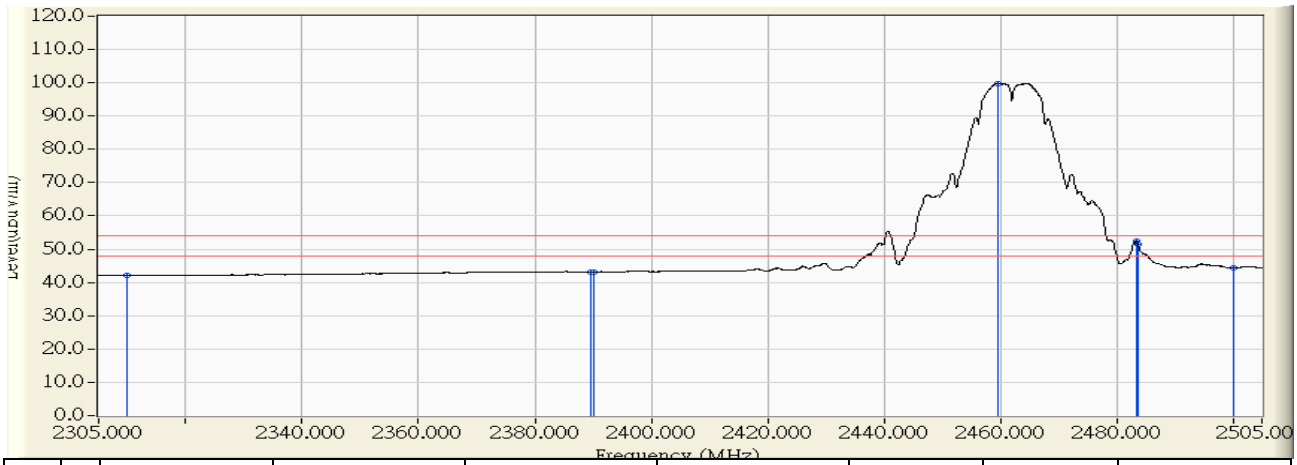


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.059	22.096	52.155	-21.845	74.000	PEAK
2		2387.900	30.867	25.127	55.994	-18.006	74.000	PEAK
3		2390.000	30.888	23.195	54.083	-19.917	74.000	PEAK
4	*	2463.800	31.654	71.573	103.227	29.227	74.000	PEAK
5		2483.500	31.858	27.795	59.653	-14.347	74.000	PEAK
6		2485.900	31.883	27.653	59.536	-14.464	74.000	PEAK
7		2500.000	31.988	22.955	54.944	-19.056	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/15 - 09:53**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 1: Transmit (CDD Mode)_ 802.11b_2462MHz**

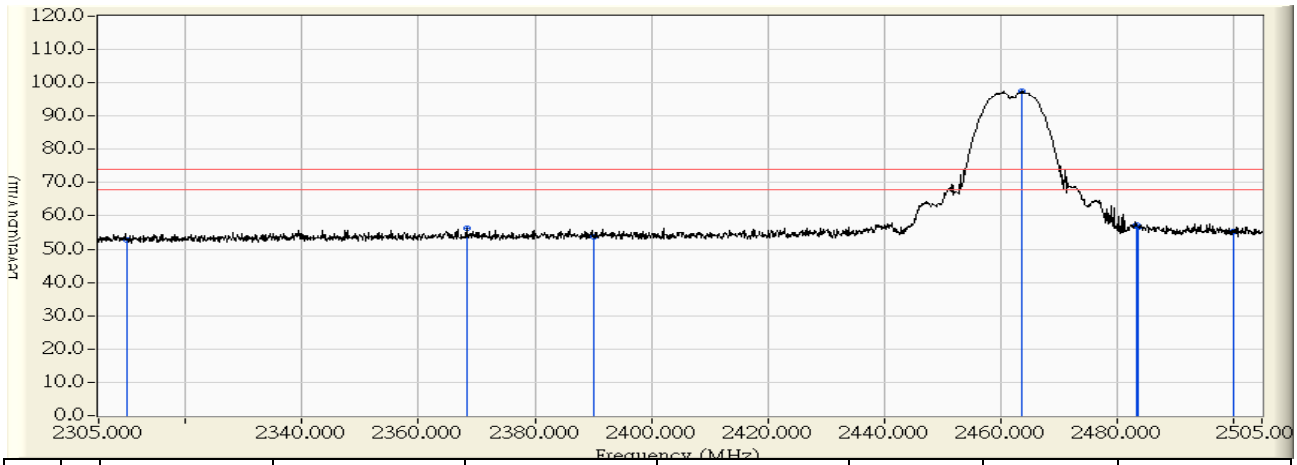


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.059	12.013	42.072	-11.928	54.000	AVERAGE
2		2389.500	30.883	12.299	43.182	-10.818	54.000	AVERAGE
3		2390.000	30.888	12.331	43.219	-10.781	54.000	AVERAGE
4	*	2459.700	31.611	68.274	99.885	45.885	54.000	AVERAGE
5		2483.500	31.858	20.432	52.290	-1.710	54.000	AVERAGE
6		2483.600	31.859	19.773	51.632	-2.368	54.000	AVERAGE
7		2500.000	31.988	12.428	44.417	-9.583	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/06/15 - 10:05**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 1: Transmit (CDD Mode)_802.11b_2462MHz**

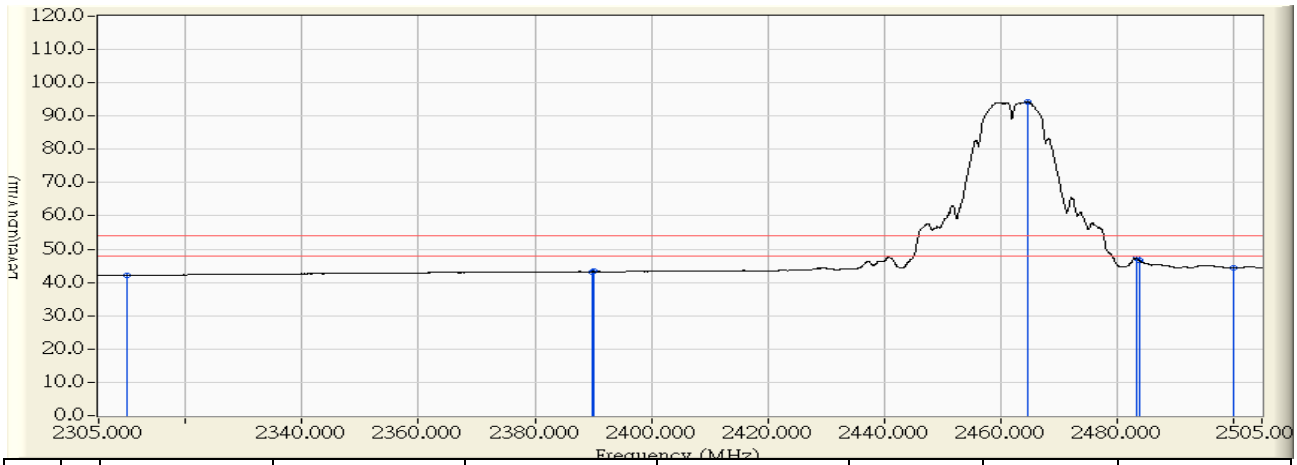


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.059	22.618	52.677	-21.323	74.000	PEAK
2		2368.300	30.663	25.691	56.354	-17.646	74.000	PEAK
3		2390.000	30.888	22.768	53.656	-20.344	74.000	PEAK
4	*	2463.800	31.654	65.885	97.539	23.539	74.000	PEAK
5		2483.500	31.858	25.344	57.202	-16.798	74.000	PEAK
6		2483.600	31.859	24.801	56.660	-17.340	74.000	PEAK
7		2500.000	31.988	23.328	55.317	-18.683	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/15 - 10:06**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 1: Transmit (CDD Mode)_802.11b_2462MHz**

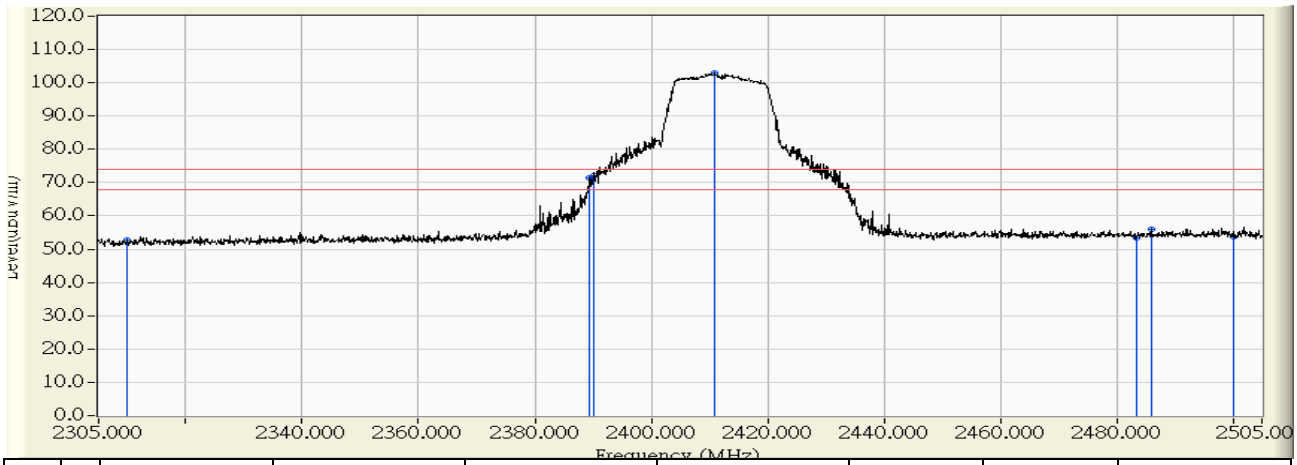


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.059	12.180	42.239	-11.761	54.000	AVERAGE
2		2389.800	30.886	12.373	43.259	-10.741	54.000	AVERAGE
3		2390.000	30.888	12.395	43.283	-10.717	54.000	AVERAGE
4	*	2464.700	31.663	62.608	94.271	40.271	54.000	AVERAGE
5		2483.500	31.858	15.446	47.304	-6.696	54.000	AVERAGE
6		2483.900	31.862	14.720	46.582	-7.418	54.000	AVERAGE
7		2500.000	31.988	12.442	44.431	-9.569	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/06/20 - 13:43**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 5V (Power by Notebook PC)**
EUT : Dual-band Wireless-AC1300 USB Adapter	**Note : Mode 1: Transmit (CDD Mode)_802.11g_2412MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.880	23.969	52.850	-21.150	74.000	PEAK
2		2389.400	29.974	41.431	71.405	-2.595	74.000	PEAK
3		2390.000	29.982	42.210	72.193	-1.807	74.000	PEAK
4	*	2410.900	30.271	72.606	102.876	28.876	74.000	PEAK
5		2483.500	30.972	22.464	53.436	-20.564	74.000	PEAK
6		2486.000	30.965	25.024	55.989	-18.011	74.000	PEAK
7		2500.000	30.921	22.729	53.650	-20.350	74.000	PEAK

Note:

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