FCC Test Report

Product Name ： Wireless Outdoor Access Point

Model No. ： AMU24

FCC ID. ： 2ACBOAMU24

Applicant ： ALCON Technology Corporation

Address ： 2nd floor,No.480-5, Sec 6, Yen-Ping N. Road, Shih-Lin, Taipei, Taiwan R.O.C.

Date of Receipt ： 2014/06/04

Issued Date ： 2014/07/15

Report No. ： 1460174R-RFUSP27V00

Report Version ： V1.0

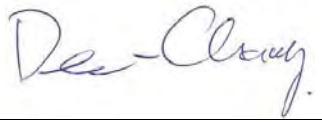
Test Report Certification

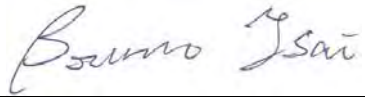
Issued Date : 2014/07/15
Report No. : 1460174R-RFUSP27V00

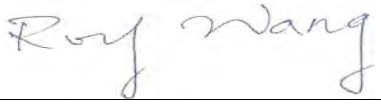
QuieTek

Product Name	:	Wireless Outdoor Access Point
Applicant	:	ALCON Technology Corporation
Address	:	2nd floor,No.480-5, Sec 6, Yen-Ping N. Road, Shih-Lin, Taipei, Taiwan R.O.C.
Manufacturer	:	ALCON Technology Corporation
Model No.	:	AMU24
FCC ID.	:	2ACBOAMU24
EUT Test Voltage	:	AC 100-240V, 50/60Hz
Trade Name	:	ALCON
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart C Section 15.247: 2013 ANSI C63.4: 2009
Test Result	:	Complied

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

Documented By : 
(Demi Chang / Engineering Adm. Specialist)

Reviewed By : 
(Bruno Tsai / Assistant Engineer)

Approved By : 
(Roy Wang / Director)

Laboratory Information

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

Taiwan R.O.C.	**:**	**TAF, Accreditation Number: 1313** **NCC, Certificate No : NCC-RCB-07**
USA	**:**	**FCC, Registration Number: 365520**
Canada	**:**	**IC, Submission No: 150981**

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

HsinChu Testing Laboratory:
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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.
TEL : 886-2-8601-3788 / FAX : 886-2-8601-3789 E-Mail : service@quietek.com

TABLE OF CONTENTS

1. General Information

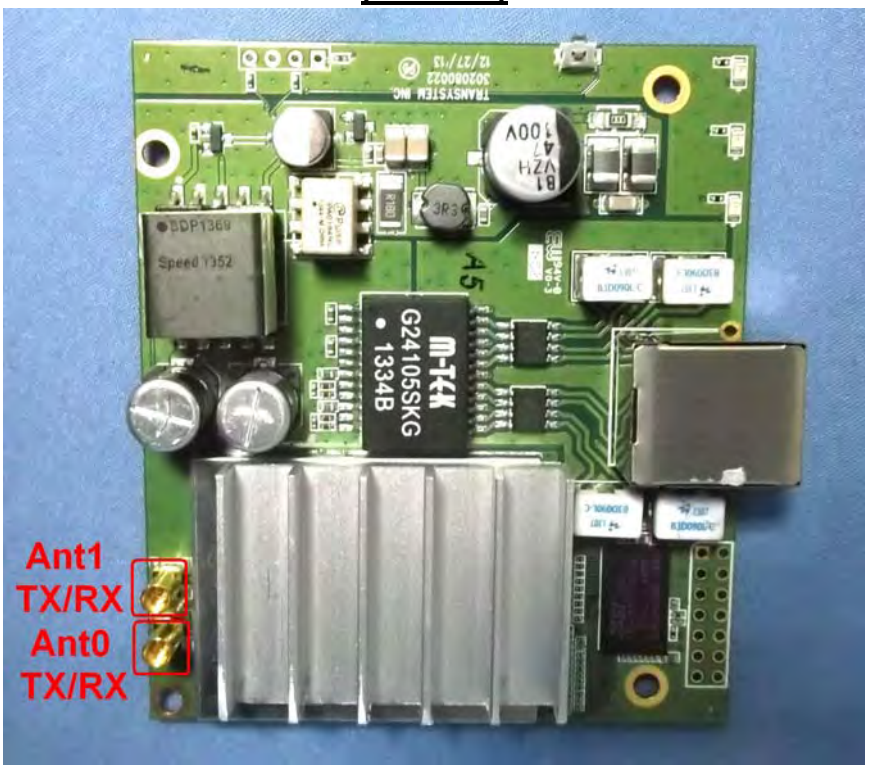
1.1. EUT Description

Product Name	Wireless Outdoor Access Point
Product Type	WLAN (2TX, 2RX)
Trade Name	ALCON
Model No.	AMU24
Frequency Range/Channel Number -IEEE 802.11b/g & IEEE 802.11n (20MHz)	2412~2472MHz / 13 Channels
Frequency Range/Channel Number - IEEE 802.11n (40MHz)	2422~2462MHz / 9 Channels
Type of Modulation (IEEE 802.11b)	Direct Sequence Spread Spectrum (DSSS)
Type of Modulation (IEEE 802.11g/n)	Orthogonal Frequency Division Multiplexing (OFDM)
Data Speed (IEEE 802.11b)	1, 2, 5.5, 11Mbps
Data Speed (IEEE 802.11g)	6, 9, 18, 24, 36, 48, 54Mbps
Data Speed (IEEE 802.11n)	Support a subset of the combination of GI, MCS 0~MCS 15 and bandwidth defined in 802.11n
Antenna Gain	9dBi
Antenna Type	PCB Antenna

ANT-TX / RX & Bandwidth

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

(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)

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	012	2467 MHz
013	2472 MHz						

IEEE 802.11n (40MHz)

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	010	2457 MHz
011	2462 MHz						

Note:

1. This device is a Wireless Outdoor Access Point including 2.4GHz b/g/n (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. This device is a composite device in accordance with Part 15 regulations. The receiving function receiving was tested and its test report number is 1460174R-RFUSP01V00 under Declaration of Conformity.

1.2. Test Mode

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

TX	Mode 1: Transmit

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

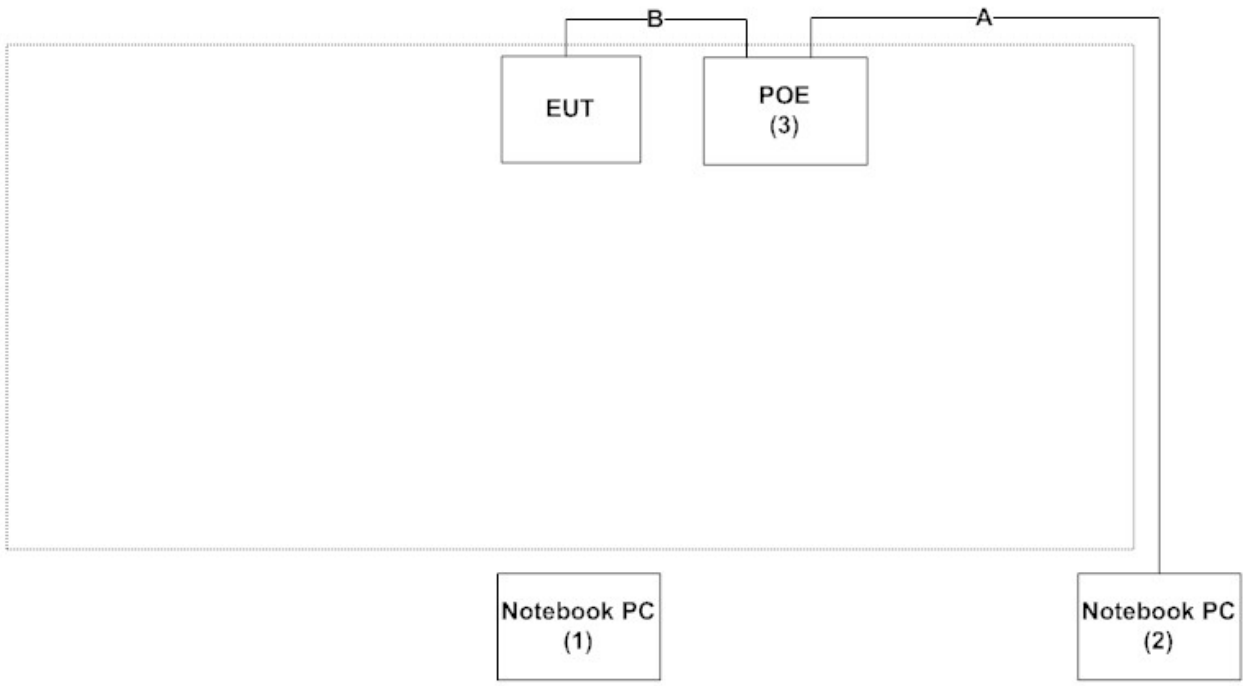
1.3. Tested System Details

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	HP	HSTNN-146C	CNU8253S1X	DoC	Non-Shielded, 1.8m
2	Notebook PC	ACER	MS2296	LUSCV0213911 50332C2000	DoC	Non-Shielded, 2.5m one ferrite core bonded
3	POE	POE Power Supply Gigabit	PSE-560055G	--	DoC	--

1.4. Configuration of tested System

EMI Connection Diagram



Signal Cable Type		Signal cable Description
A	LAN Cable	Non-Shielded, 10m
B	LAN Cable	Non-Shielded, 3m

1.5. EUT Exercise Software

1	Test system is in accord with EUT user manual (refer to 1.4 configuration of tested system)
2	Turn on the power of all equipment.
3	Boot the PC from Hard Disk.
4	Data will communicate by connecting wireless function to PC.
5	The PC ‘s monitor will show the transmitting and receiving characteristics when the communication is success.
6	Repeat the above procedure (4) to (5).

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	20
Humidity (%RH)		25 - 75	50
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	20
Humidity (%RH)		25 - 75	50
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 Occupied Bandwidth	15 - 35	20
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Power Density	15 - 35	20
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000

2. Conducted Emission

2.1. Test Equipment

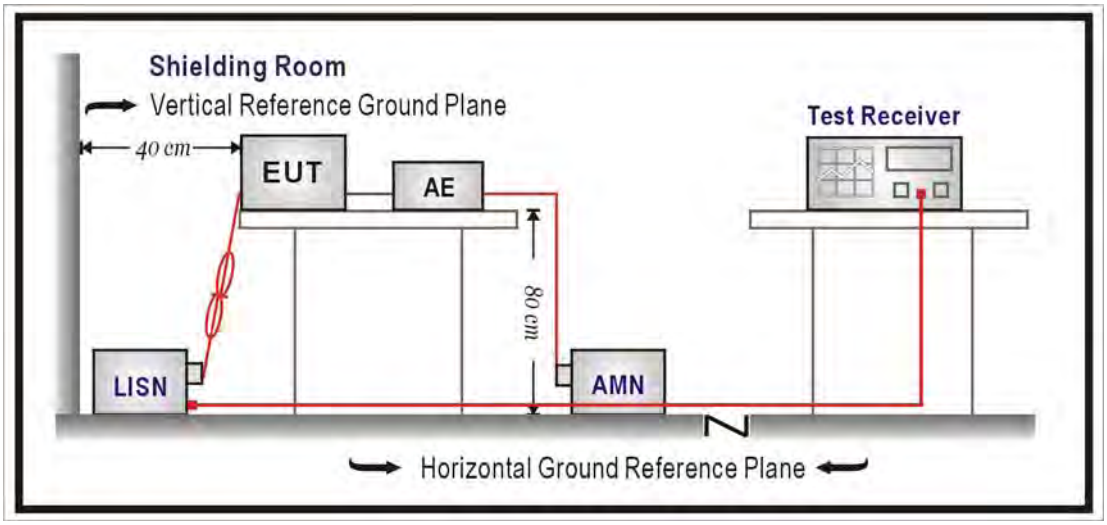
The following test equipments are used during the test:

Conducted Emission / SR3

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
LISN	R&S	ENV216	100096	2014/08/01
LISN	R&S	ESH3-Z5	836679/022	2015/01/02
Test Receiver	R&S	ESCS 30	825442/017	2014/12/24

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 C63.4: 2009 and tested according to DTS test procedure of KDB558074 v03r01 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

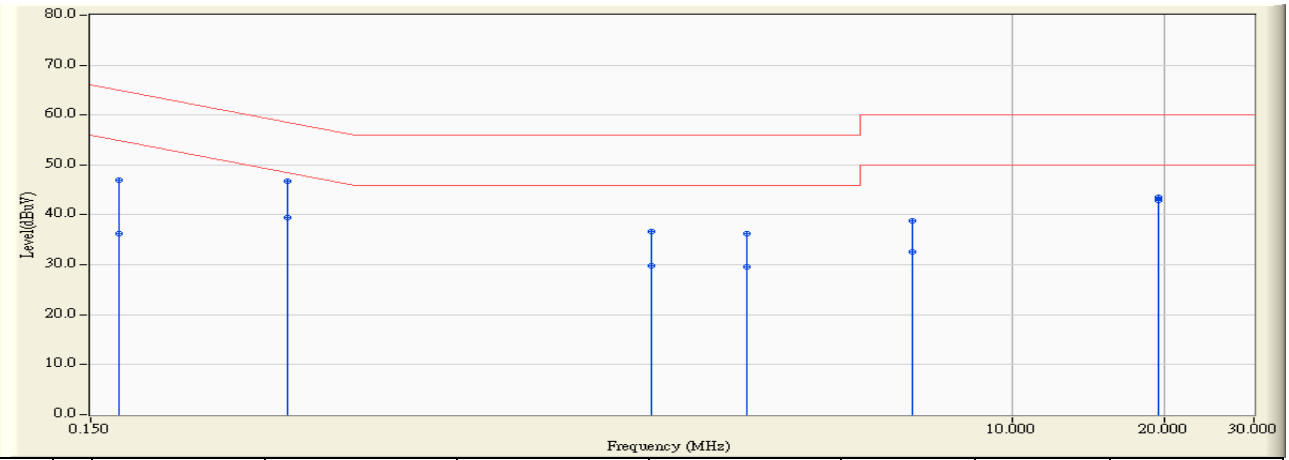
According to FCC Part 15 Subpart C Paragraph 15.207: 2013

2.6. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

2.7. Test Result

Site : SR2	**Time : 2014/07/15 - 10:01**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-3_0822 - Line1	**Power : AC 120V 60Hz**
EUT : Wireless Outdoor Access Point	**Note :**

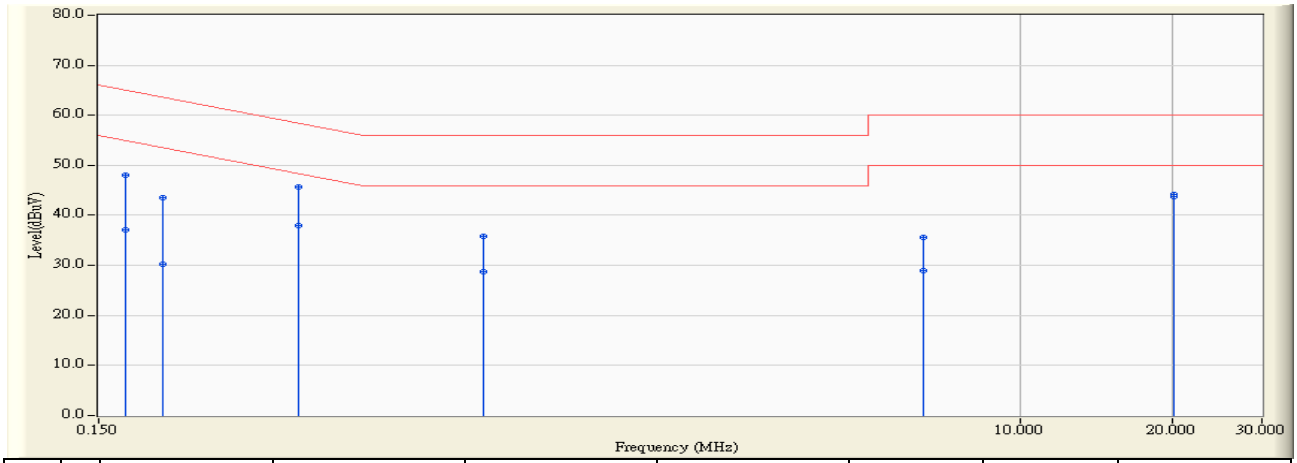


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.171	9.639	37.430	47.069	-17.853	64.921	QUASIPEAK
2		0.171	9.639	26.540	36.179	-18.743	54.921	AVERAGE
3		0.369	9.692	37.140	46.832	-11.697	58.529	QUASIPEAK
4		0.369	9.692	29.760	39.452	-9.077	48.529	AVERAGE
5		1.931	9.842	26.930	36.772	-19.228	56.000	QUASIPEAK
6		1.931	9.842	20.030	29.872	-16.128	46.000	AVERAGE
7		2.982	9.888	26.380	36.268	-19.732	56.000	QUASIPEAK
8		2.982	9.888	19.740	29.628	-16.372	46.000	AVERAGE
9		6.338	10.006	28.800	38.806	-21.194	60.000	QUASIPEAK
10		6.338	10.006	22.510	32.516	-17.484	50.000	AVERAGE
11		19.404	10.064	33.390	43.454	-16.546	60.000	QUASIPEAK
12	*	19.404	10.064	32.890	42.954	-7.046	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 : 2014/07/15 - 10:07**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-3_0822 - Line2	**Power : AC 120V 60Hz**
EUT : Wireless Outdoor Access Point	**Note :**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.170	9.625	38.460	48.085	-16.898	64.983	QUASIPEAK
2		0.170	9.625	27.480	37.105	-17.878	54.983	AVERAGE
3		0.201	9.634	34.010	43.644	-19.934	63.578	QUASIPEAK
4		0.201	9.634	20.590	30.224	-23.354	53.578	AVERAGE
5		0.373	9.674	35.980	45.655	-12.787	58.442	QUASIPEAK
6		0.373	9.674	28.240	37.915	-10.527	48.442	AVERAGE
7		0.865	9.718	26.060	35.778	-20.222	56.000	QUASIPEAK
8		0.865	9.718	18.970	28.688	-17.312	46.000	AVERAGE
9		6.423	10.010	25.580	35.591	-24.409	60.000	QUASIPEAK
10		6.423	10.010	18.960	28.971	-21.029	50.000	AVERAGE
11		20.119	10.175	34.110	44.285	-15.715	60.000	QUASIPEAK
12	*	20.119	10.175	33.680	43.855	-6.145	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

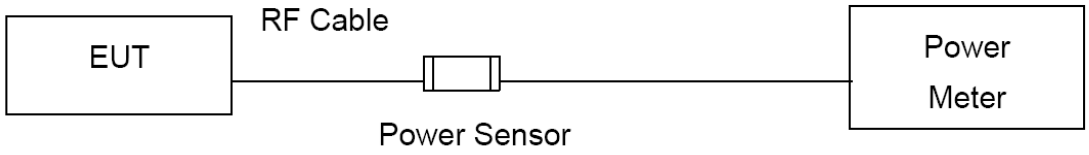
The following test equipments are used during the test:

Peak Power / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2014/08/05

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

3.2. Test Setup



3.3. Test procedures

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

3.4. Limits

The maximum peak power shall be less 1 Watt.

3.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2013

3.6. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB.

3.7. Test Result

Product	Wireless Outdoor Access Point		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2014/07/08	Test Site	SR7

IEEE 802.11b				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	19.87	27	Pass
6	2437	19.72	27	Pass
11	2462	20.34	27	Pass

The worst emission of data rate is 1Mbps.

Peak Power Output Value (dBm)						
Channel No.	Frequency (MHz)	Data Rate				Required Limit
		1	2	5.5	11	
1	2412	19.87	--	--	--	27dBm
6	2437	19.72	19.70	19.68	19.65	27dBm
11	2462	20.34	--	--	--	27dBm

Note: Measure Level =Reading value + cable loss

Product	Wireless Outdoor Access Point		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2014/07/08	Test Site	SR7

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	25.52	27	Pass
6	2437	25.31	27	Pass
11	2462	26.06	27	Pass

The worst emission of data rate is 6Mbps.

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
1	2412	25.52	--	--	--	--	--	--	27dBm
6	2437	25.31	25.29	25.27	24.26	24.24	24.22	24.21	27dBm
11	2462	26.06	--	--	--	--	--	--	27dBm

Note: Measure Level =Reading value + cable loss

Product	Wireless Outdoor Access Point		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2014/07/08	Test Site	SR7

IEEE 802.11n 20MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	19.89	24	Pass
6	2437	20.09	24	Pass
11	2462	20.21	24	Pass

The worst emission of data rate is 6.5 Mbps.

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	13	6.5	13	19.5	26	39	52	58.5	65	
1	2412	19.89	--	--	--	--	--	--	--	24dBm
6	2437	20.09	20.08	20.06	20.05	20.04	20.02	20.01	19.98	24dBm
11	2462	20.21	--	--	--	--	--	--	--	24dBm

Product	Wireless Outdoor Access Point		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2014/07/08	Test Site	SR7

IEEE 802.11n 20MHz (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	20.40	24	Pass
6	2437	21.23	24	Pass
11	2462	20.83	24	Pass

The worst emission of data rate is 6.5 Mbps.

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	13	6.5	13	19.5	26	39	52	58.5	65	
1	2412	20.40	--	--	--	--	--	--	--	24dBm
6	2437	21.23	21.22	21.20	20.98	20.97	20.95	20.93	20.91	24dBm
11	2462	20.83	--	--	--	--	--	--	--	24dBm

Product	Wireless Outdoor Access Point		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2014/07/08	Test Site	SR7

IEEE 802.11n 20MHz (ANT 0+1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	23.16	24	Pass
6	2437	23.71	24	Pass
11	2462	23.54	24	Pass

The worst emission of data rate is 6.5 Mbps.

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	13	6.5	13	19.5	26	39	52	58.5	65	
1	2412	23.16	--	--	--	--	--	--	--	24dBm
6	2437	23.71	23.69	23.68	23.66	22.65	22.63	22.61	22.60	24dBm
11	2462	23.54	--	--	--	--	--	--	--	24dBm

Product	Wireless Outdoor Access Point		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2014/07/08	Test Site	SR7

IEEE 802.11n 40MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	18.84	24	Pass
6	2437	19.74	24	Pass
9	2452	19.86	24	Pass

The worst emission of data rate is 27 Mbps.

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Data Rate 6.5	Data Rate 13.5	27	40.5	54	81	108	121.5	135	
3	2422	18.84	--	--	--	--	--	--	--	24dBm
6	2437	19.74	19.73	19.71	19.70	18.98	18.96	18.95	18.94	24dBm
9	2452	19.86	--	--	--	--	--	--	--	24dBm

Product	Wireless Outdoor Access Point		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2014/07/08	Test Site	SR7

IEEE 802.11n 40MHz (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2412	19.71	24	Pass
6	2437	20.90	24	Pass
9	2462	20.66	24	Pass

The worst emission of data rate is 27 Mbps.

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Data Rate 6.5	13.5	27	40.5	54	81	108	121.5	135	
3	2422	19.71	--	--	--	--	--	--	--	24dBm
6	2437	20.90	20.89	20.87	20.86	20.84	20.83	19.81	19.80	24dBm
9	2452	20.66	--	--	--	--	--	--	--	24dBm

Product	Wireless Outdoor Access Point		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2014/07/08	Test Site	SR7

IEEE 802.11n 40MHz (ANT 0+1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2412	22.307	24	Pass
6	2437	23.369	24	Pass
9	2462	23.289	24	Pass

The worst emission of data rate is 27 Mbps.

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		13.5	27	40.5	54	81	108	121.5	135	
3	2422	22.31	--	--	--	--	--	--	--	24dBm
6	2437	23.37	23.36	23.35	23.33	23.31	23.29	23.27	23.25	24dBm
9	2452	23.29	--	--	--	--	--	--	--	24dBm

4. Radiated Emission

4.1. Test Equipment

The following test equipments are used during the test:

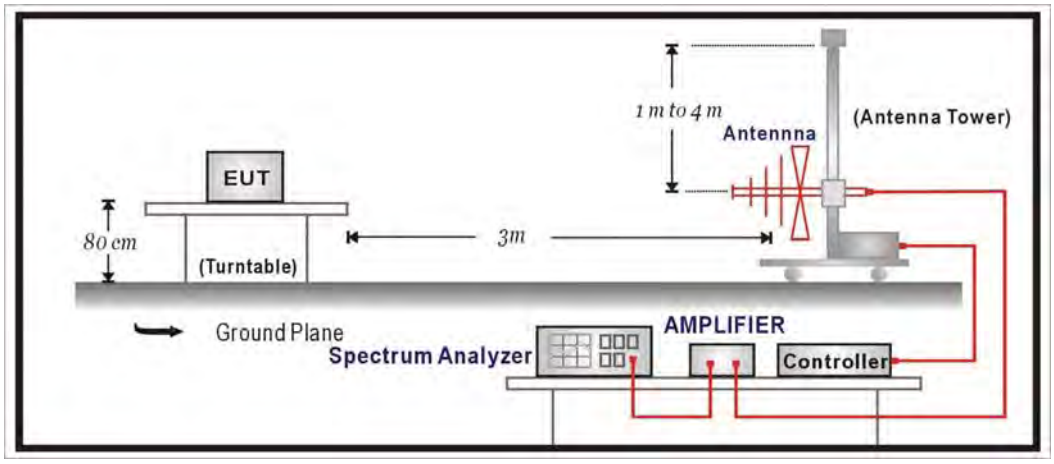
Radiated Emission / CB1

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Bilog Antenna	SCHAFFNER	CBL6112B	2895(CB1)	2014/08/14
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

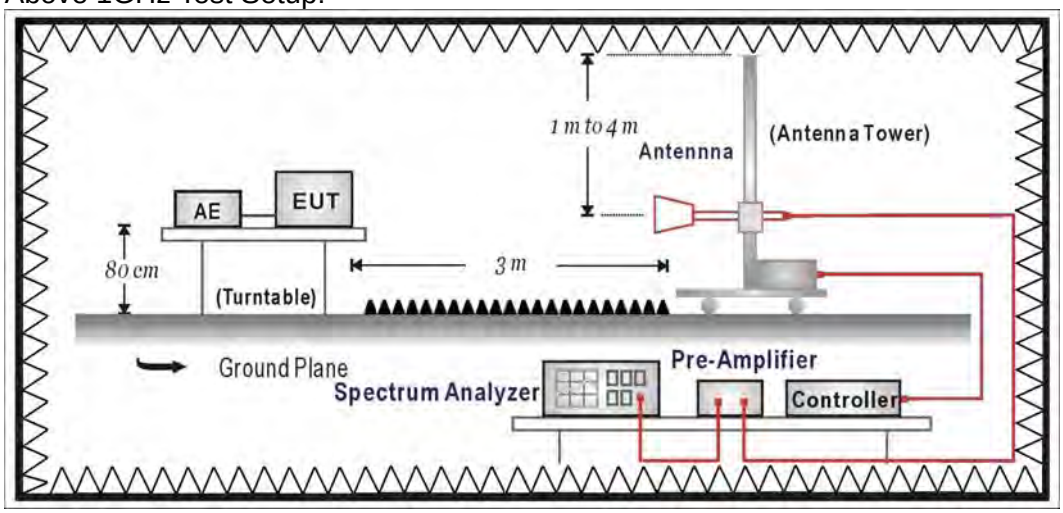
Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

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 C63.4: 2009 and tested according to DTS test procedure of KDB558074 v03r01 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 C63.4: 2009 on radiated measurement.
On any frequency or frequencies below or equal to 1000 MHz, the limits shown are based on measuring equipment employing a quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limits shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.
The bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz.

4.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2013

4.6. Uncertainty

The measurement uncertainty

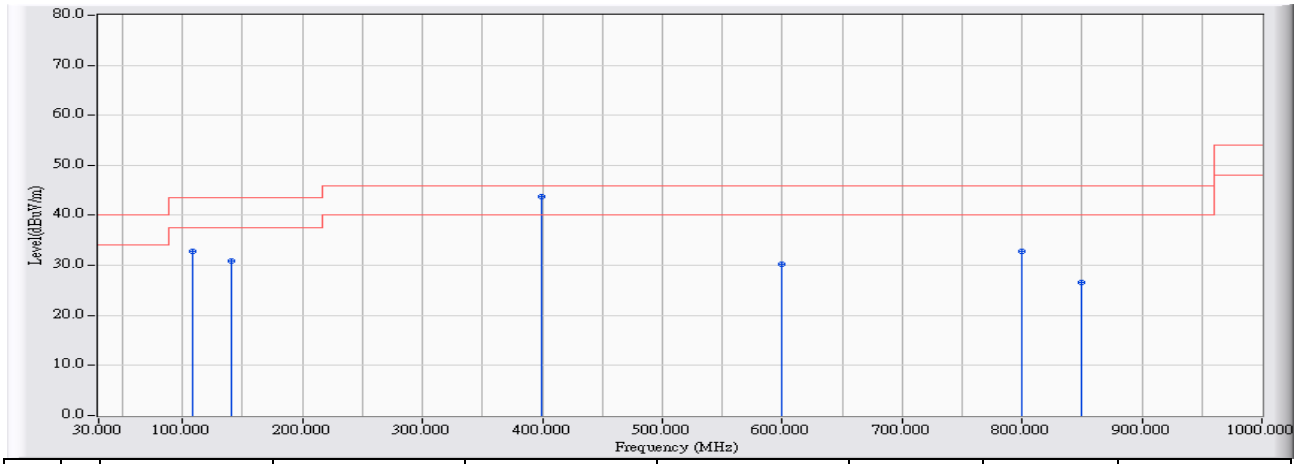
30MHz～1GHz as ±3.43dB

1GHz～26.5Ghz as ±3.65dB

4.7. Test Result

30MHz-1GHz Spurious

Site : CB1	**Time : 2014/07/14 - 17:59**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless Outdoor Access Point	**Note : 802.11b ch6**

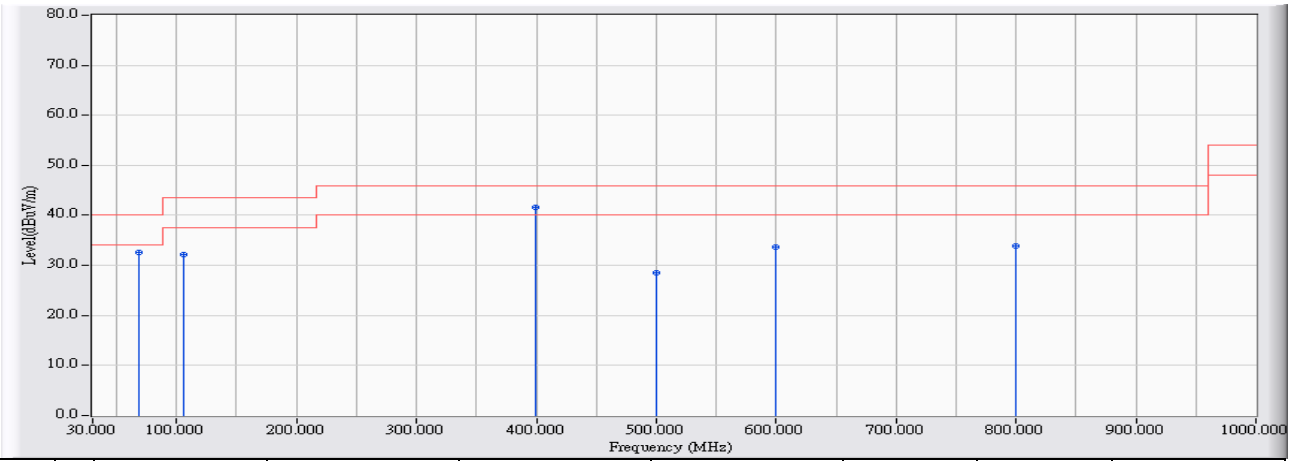


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		108.460	-23.027	55.856	32.829	-10.671	43.500	QUASIPEAK
2		140.943	-23.491	54.369	30.878	-12.622	43.500	QUASIPEAK
3	*	399.809	-17.299	60.973	43.673	-2.327	46.000	QUASIPEAK
4		599.706	-13.923	44.092	30.168	-15.832	46.000	QUASIPEAK
5		799.603	-11.614	44.423	32.808	-13.192	46.000	QUASIPEAK
6		849.578	-11.059	37.726	26.667	-19.333	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 : 2014/07/14 - 17:57**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless Outdoor Access Point	**Note : 802.11b ch6**

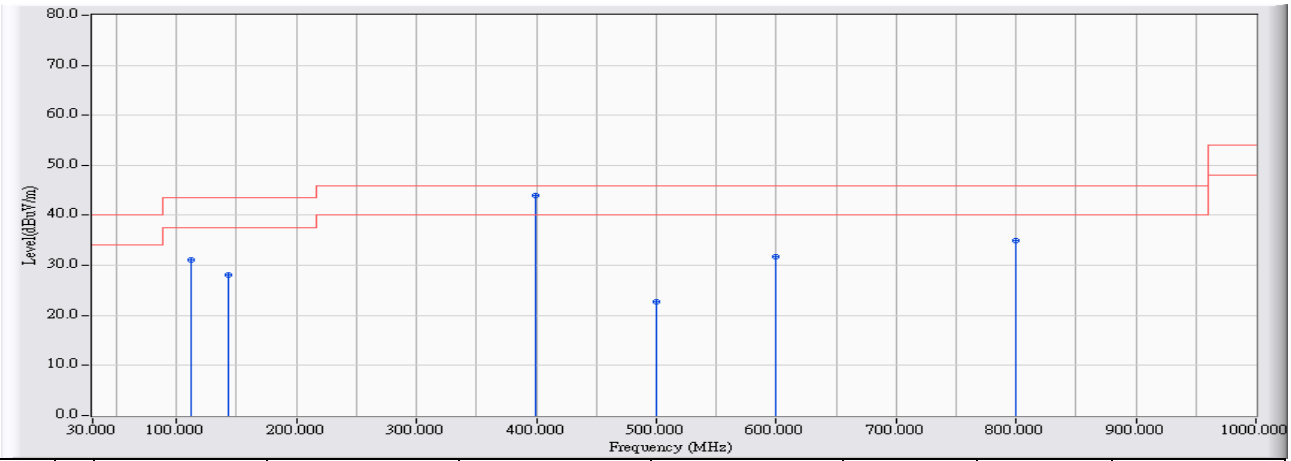


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		68.980	-27.757	60.311	32.554	-7.446	40.000	QUASIPEAK
2		106.461	-23.184	55.413	32.228	-11.272	43.500	QUASIPEAK
3	*	399.809	-17.299	58.965	41.665	-4.335	46.000	QUASIPEAK
4		499.758	-15.315	43.920	28.606	-17.394	46.000	QUASIPEAK
5		599.706	-13.923	47.648	33.724	-12.276	46.000	QUASIPEAK
6		799.603	-11.614	45.472	33.857	-12.143	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 : 2014/07/14 - 18:01**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless Outdoor Access Point	**Note : 802.11g ch6**

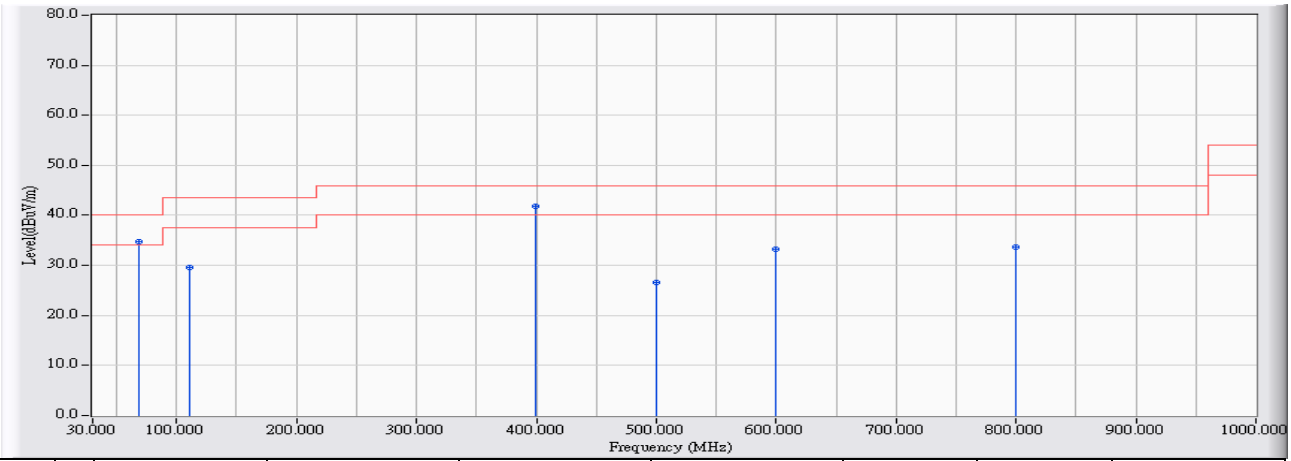


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		111.458	-22.792	53.908	31.116	-12.384	43.500	QUASIPEAK
2		142.942	-23.607	51.753	28.146	-15.354	43.500	QUASIPEAK
3	*	399.809	-17.299	61.314	44.014	-1.986	46.000	QUASIPEAK
4		499.758	-15.315	37.971	22.657	-23.343	46.000	QUASIPEAK
5		599.706	-13.923	45.727	31.803	-14.197	46.000	QUASIPEAK
6		799.603	-11.614	46.641	35.026	-10.974	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 : 2014/07/14 - 18:02**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless Outdoor Access Point	**Note : 802.11g ch6**

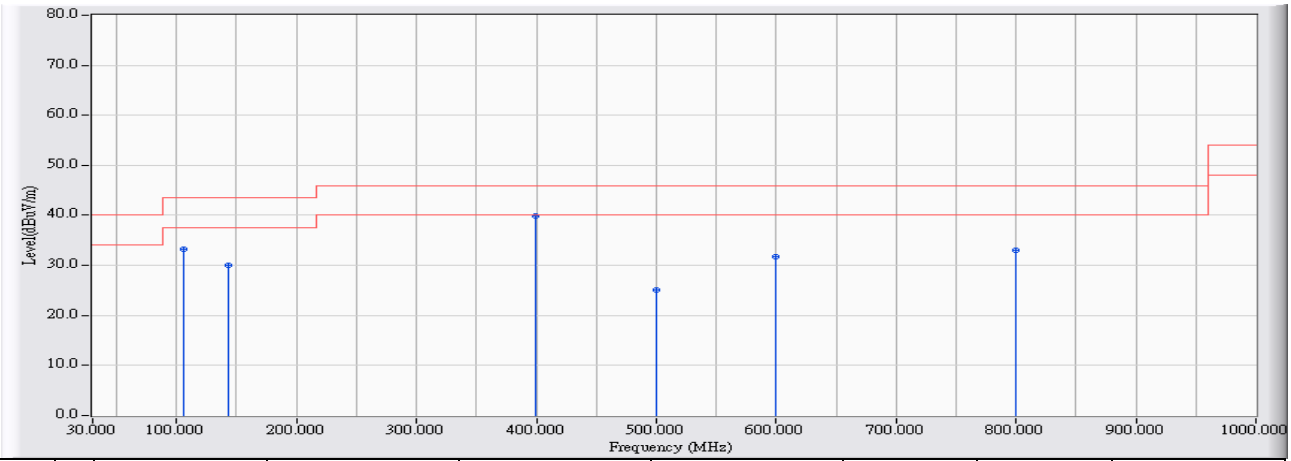


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		68.980	-27.757	62.419	34.662	-5.338	40.000	QUASIPEAK
2		110.459	-22.870	52.420	29.550	-13.950	43.500	QUASIPEAK
3	*	399.809	-17.299	59.132	41.832	-4.168	46.000	QUASIPEAK
4		499.758	-15.315	41.986	26.672	-19.328	46.000	QUASIPEAK
5		599.706	-13.923	47.271	33.347	-12.653	46.000	QUASIPEAK
6		799.603	-11.614	45.345	33.730	-12.270	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 : 2014/07/14 - 18:30**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless Outdoor Access Point	**Note : 802.11n(20M) ch6**

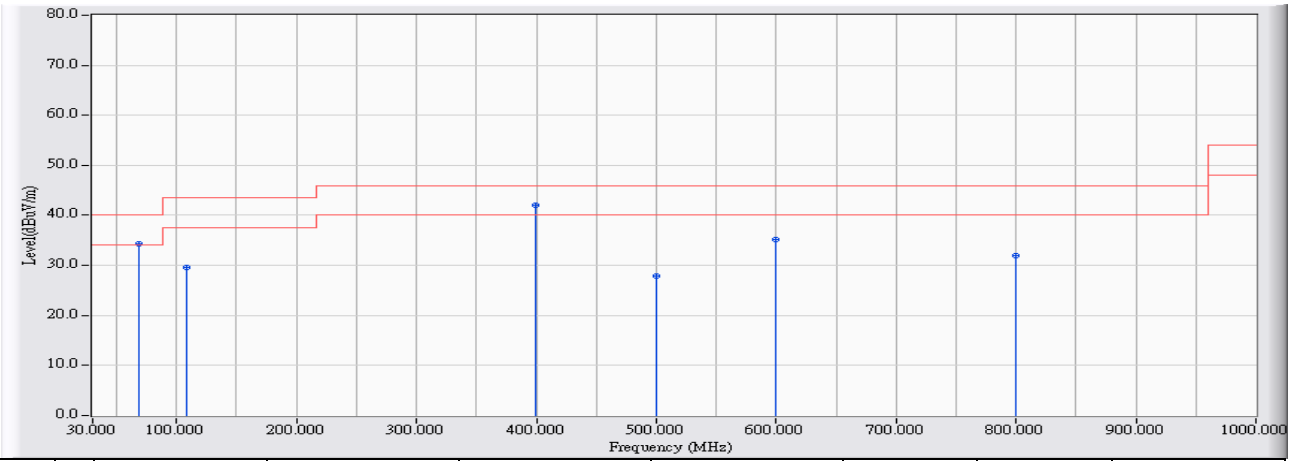


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		106.461	-23.184	56.420	33.235	-10.265	43.500	QUASIPEAK
2		142.942	-23.607	53.726	30.119	-13.381	43.500	QUASIPEAK
3	*	399.809	-17.299	57.099	39.799	-6.201	46.000	QUASIPEAK
4		499.758	-15.315	40.389	25.075	-20.925	46.000	QUASIPEAK
5		599.706	-13.923	45.743	31.819	-14.181	46.000	QUASIPEAK
6		799.603	-11.614	44.605	32.990	-13.010	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 : 2014/07/14 - 18:29**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless Outdoor Access Point	**Note : 802.11n(20M) ch6**

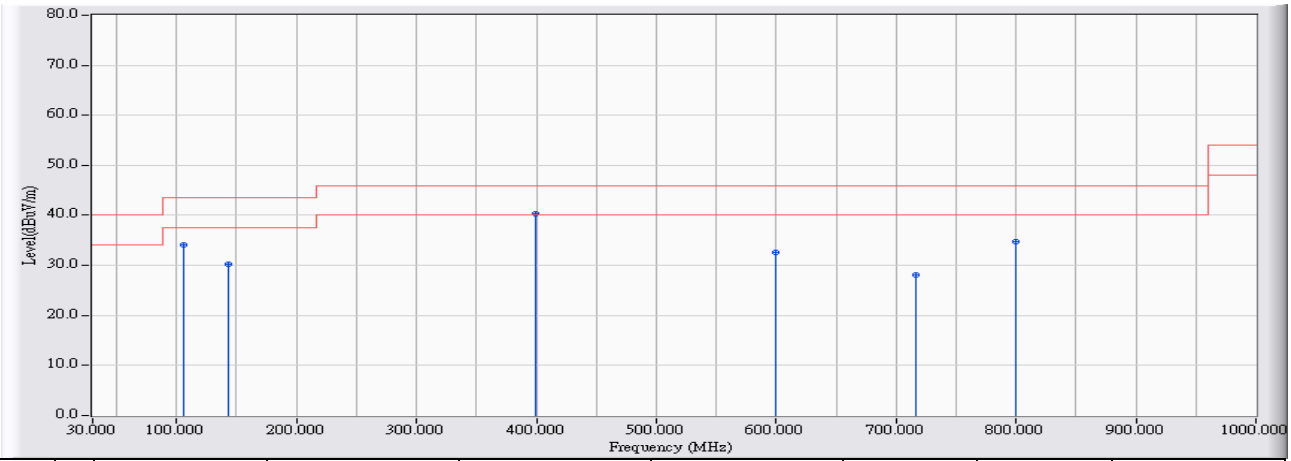


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		68.980	-27.757	61.974	34.217	-5.783	40.000	QUASIPEAK
2		108.460	-23.027	52.532	29.505	-13.995	43.500	QUASIPEAK
3	*	399.809	-17.299	59.269	41.969	-4.031	46.000	QUASIPEAK
4		499.758	-15.315	43.201	27.887	-18.113	46.000	QUASIPEAK
5		599.706	-13.923	49.036	35.112	-10.888	46.000	QUASIPEAK
6		799.603	-11.614	43.616	32.001	-13.999	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 : 2014/07/14 - 18:32**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless Outdoor Access Point	**Note : 802.11n(40M) ch6**

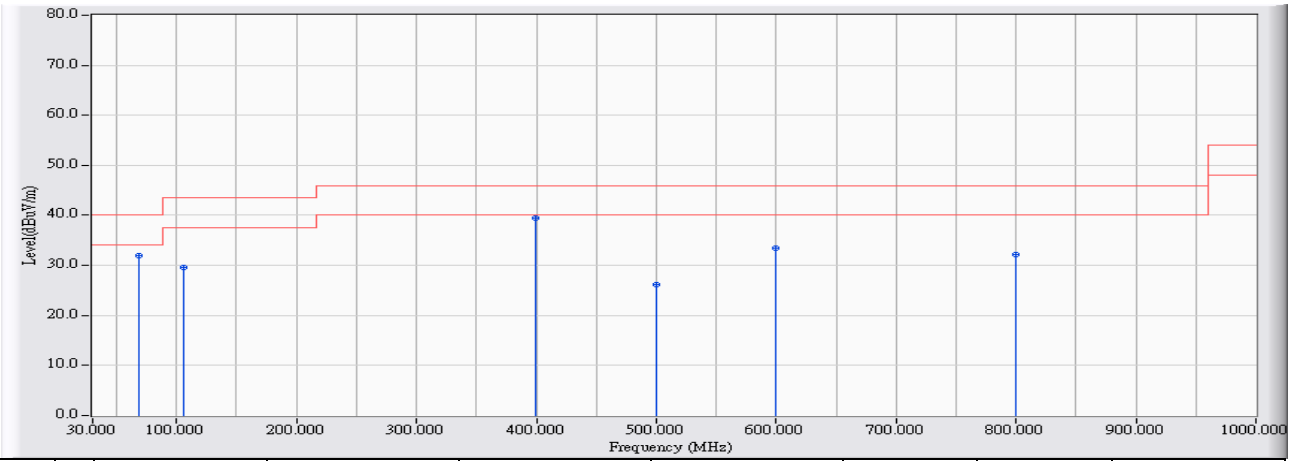


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		106.461	-23.184	57.383	34.198	-9.302	43.500	QUASIPEAK
2		142.942	-23.607	53.942	30.335	-13.165	43.500	QUASIPEAK
3	*	399.809	-17.299	57.704	40.404	-5.596	46.000	QUASIPEAK
4		599.706	-13.923	46.447	32.523	-13.477	46.000	QUASIPEAK
5		716.146	-12.768	40.860	28.092	-17.908	46.000	QUASIPEAK
6		799.603	-11.614	46.362	34.747	-11.253	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 : 2014/07/14 - 18:33**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless Outdoor Access Point	**Note : 802.11n(40M) ch6**



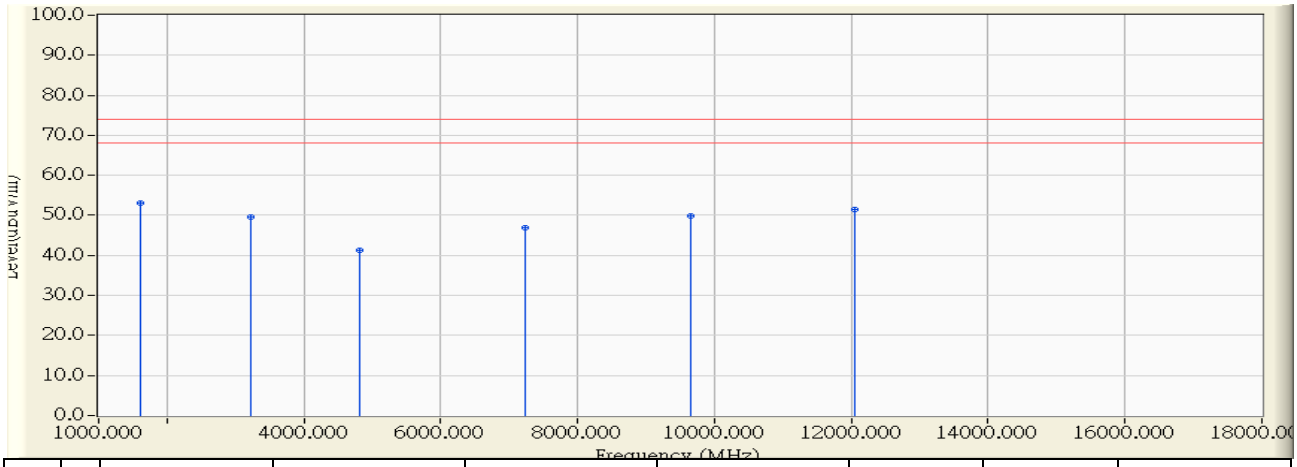
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		68.980	-27.757	59.778	32.021	-7.979	40.000	QUASIPEAK
2		106.461	-23.184	52.809	29.624	-13.876	43.500	QUASIPEAK
3	*	399.809	-17.299	56.752	39.452	-6.548	46.000	QUASIPEAK
4		499.758	-15.315	41.505	26.191	-19.809	46.000	QUASIPEAK
5		599.706	-13.923	47.341	33.417	-12.583	46.000	QUASIPEAK
6		799.603	-11.614	43.890	32.275	-13.725	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 : 2014/07/11 - 14:22**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : PoE DC48V**
EUT : Wireless Outdoor Access Point	**Note : 11B ch1 ant0**

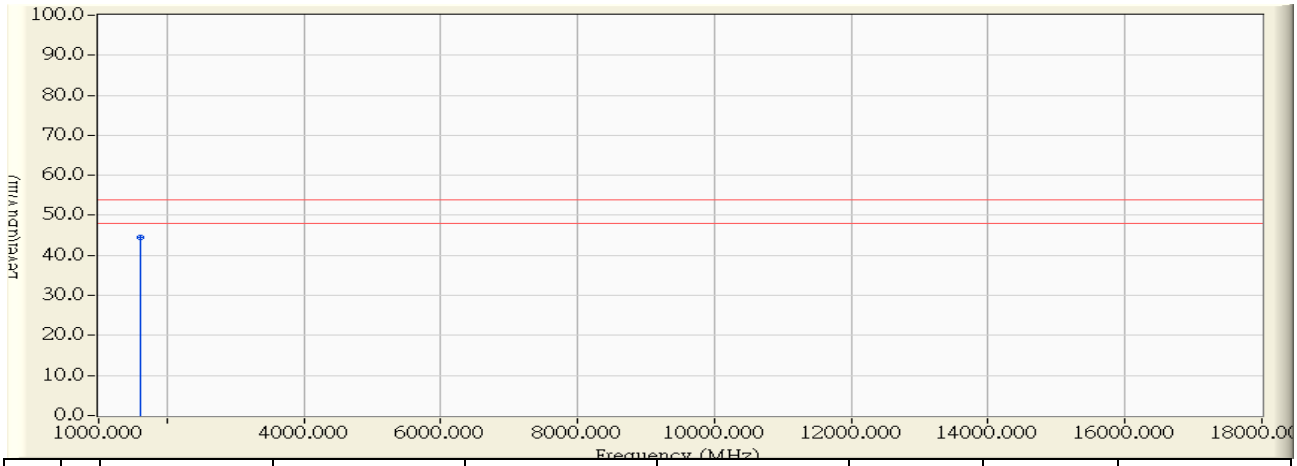


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1600.000	-8.713	61.770	53.057	-20.943	74.000	PEAK
2		3216.000	-3.930	53.600	49.670	-24.330	74.000	PEAK
3		4824.000	-0.534	41.830	41.296	-32.704	74.000	PEAK
4		7236.000	5.519	41.380	46.899	-27.101	74.000	PEAK
5		9648.000	9.446	40.420	49.866	-24.134	74.000	PEAK
6		12060.000	11.099	40.320	51.420	-22.580	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/07/11 - 14:24**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : PoE DC48V**
EUT : Wireless Outdoor Access Point	**Note : 11B ch1 ant0**

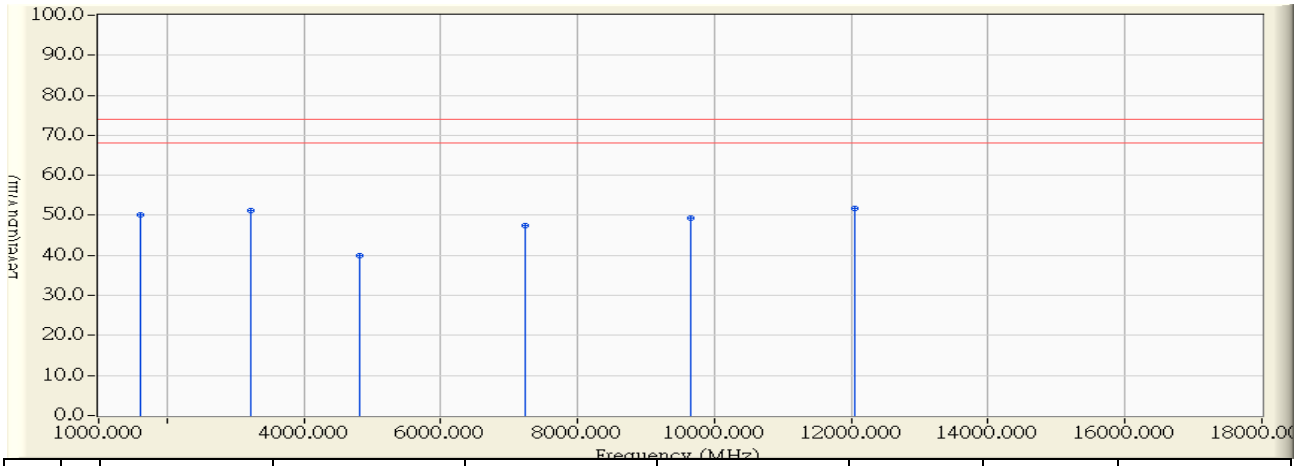


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1600.000	-8.713	53.260	44.547	-9.453	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/07/11 - 14:08**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : PoE DC48V**
EUT : Wireless Outdoor Access Point	**Note : 11B ch1 ant0**

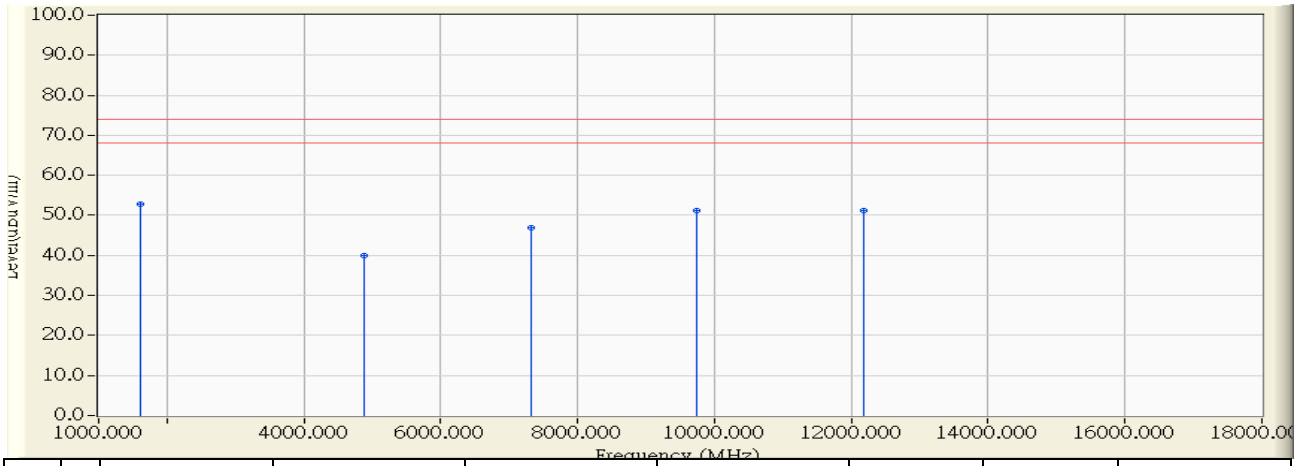


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1600.000	-8.713	58.750	50.037	-23.963	74.000	PEAK
2		3216.000	-3.930	55.090	51.160	-22.840	74.000	PEAK
3		4824.000	-0.534	40.410	39.876	-34.124	74.000	PEAK
4		7236.000	5.519	41.980	47.499	-26.501	74.000	PEAK
5		9648.000	9.446	39.910	49.356	-24.644	74.000	PEAK
6	*	12060.000	11.099	40.680	51.780	-22.220	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/07/11 - 14:40**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : PoE DC48V**
EUT : Wireless Outdoor Access Point	**Note : 11B ch6 ant0**

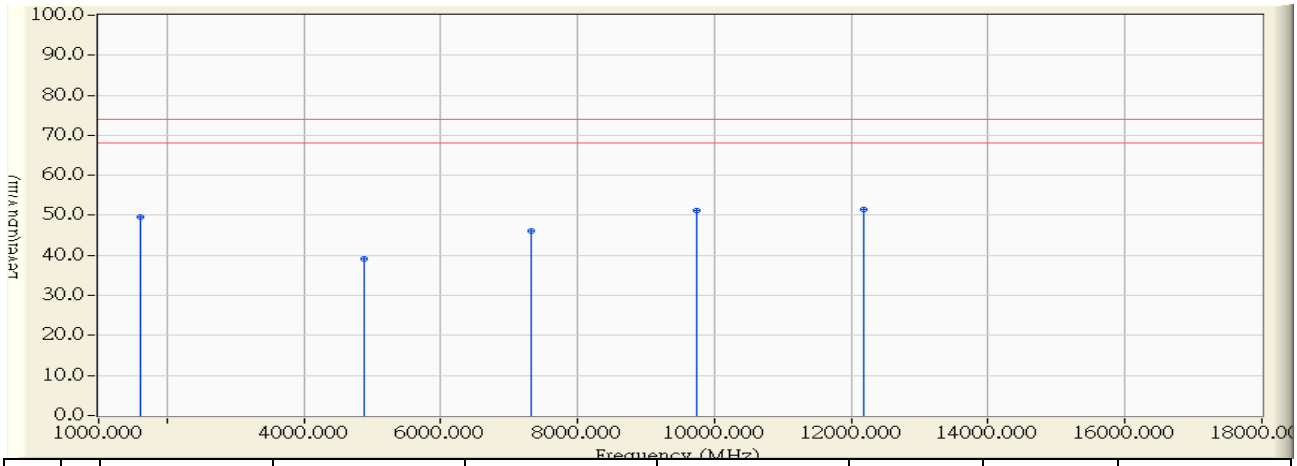


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1600.000	-8.713	61.650	52.937	-21.063	74.000	PEAK
2		4874.000	-0.412	40.230	39.818	-34.182	74.000	PEAK
3		7311.000	5.681	41.320	47.001	-26.999	74.000	PEAK
4		9748.000	10.094	40.980	51.073	-22.927	74.000	PEAK
5		12185.000	11.042	40.030	51.073	-22.927	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/07/11 - 14:48**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : PoE DC48V**
EUT : Wireless Outdoor Access Point	**Note : 11B ch6 ant0**

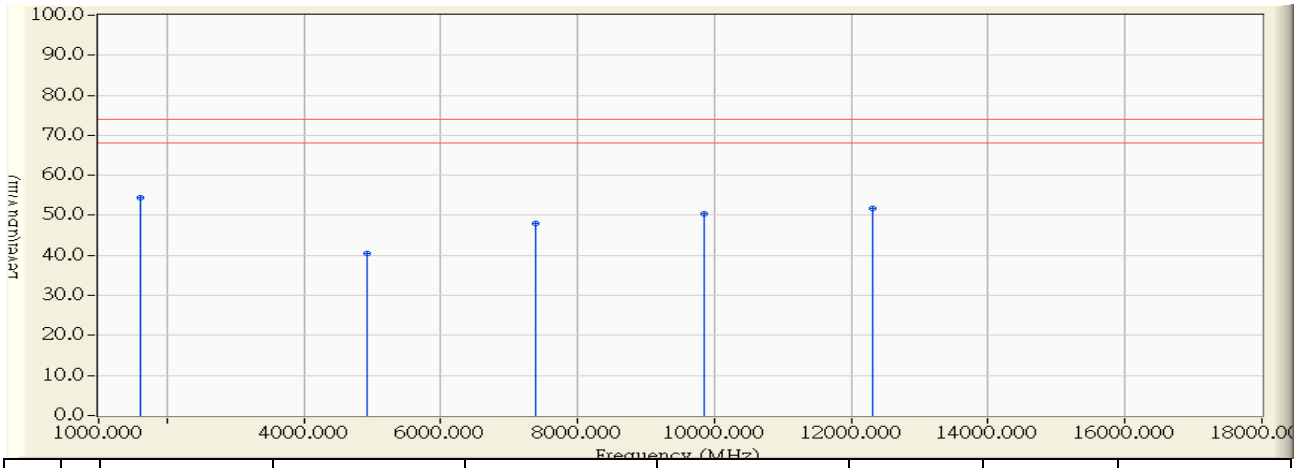


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1600.000	-8.713	58.220	49.507	-24.493	74.000	PEAK
2		4874.000	-0.412	39.480	39.068	-34.932	74.000	PEAK
3		7311.000	5.681	40.420	46.101	-27.899	74.000	PEAK
4		9748.000	10.094	41.180	51.273	-22.727	74.000	PEAK
5	*	12185.000	11.042	40.540	51.583	-22.417	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/07/11 - 15:06**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : PoE DC48V**
EUT : Wireless Outdoor Access Point	**Note : 11B ch11 ant0**

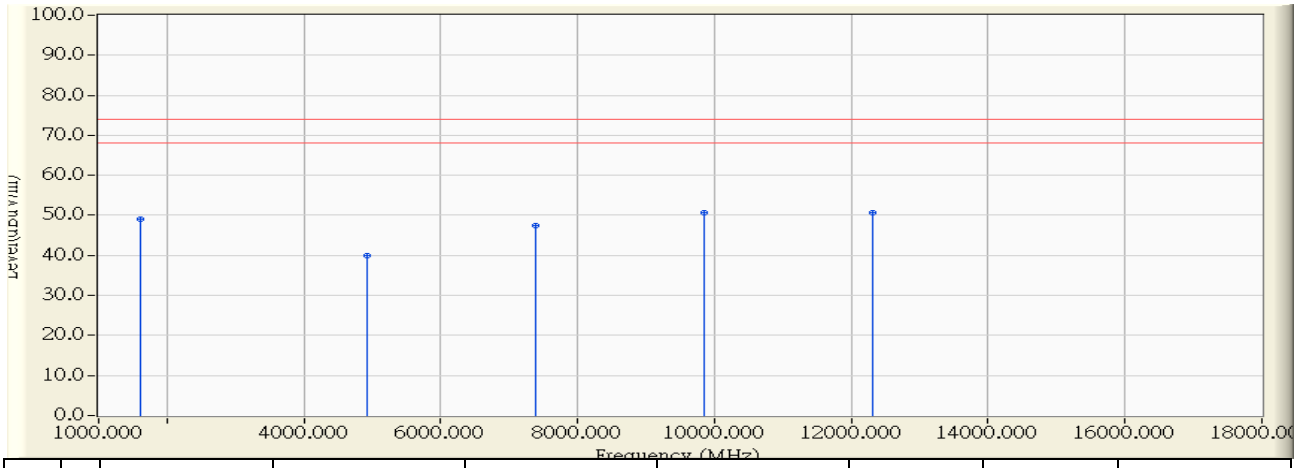


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1600.000	-8.713	63.070	54.357	-19.643	74.000	PEAK
2		4924.000	-0.290	40.800	40.510	-33.490	74.000	PEAK
3		7386.000	5.843	42.180	48.023	-25.977	74.000	PEAK
4		9848.000	10.741	39.640	50.381	-23.619	74.000	PEAK
5		12310.000	10.985	40.880	51.866	-22.134	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/07/11 - 14:55**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : PoE DC48V**
EUT : Wireless Outdoor Access Point	**Note : 11B ch11 ant0**

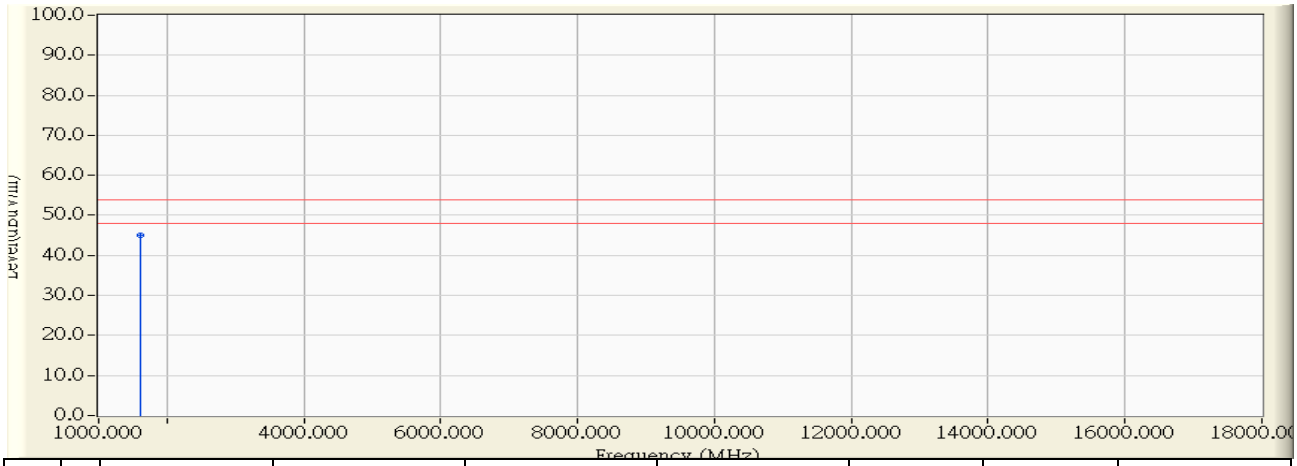


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1600.000	-8.713	57.890	49.177	-24.823	74.000	PEAK
2		4924.000	-0.290	40.140	39.850	-34.150	74.000	PEAK
3		7386.000	5.843	41.590	47.433	-26.567	74.000	PEAK
4		9848.000	10.741	39.870	50.611	-23.389	74.000	PEAK
5	*	12310.000	10.985	39.810	50.796	-23.204	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/07/11 - 15:00**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : PoE DC48V**
EUT : Wireless Outdoor Access Point	**Note : 11B ch11 ant0**

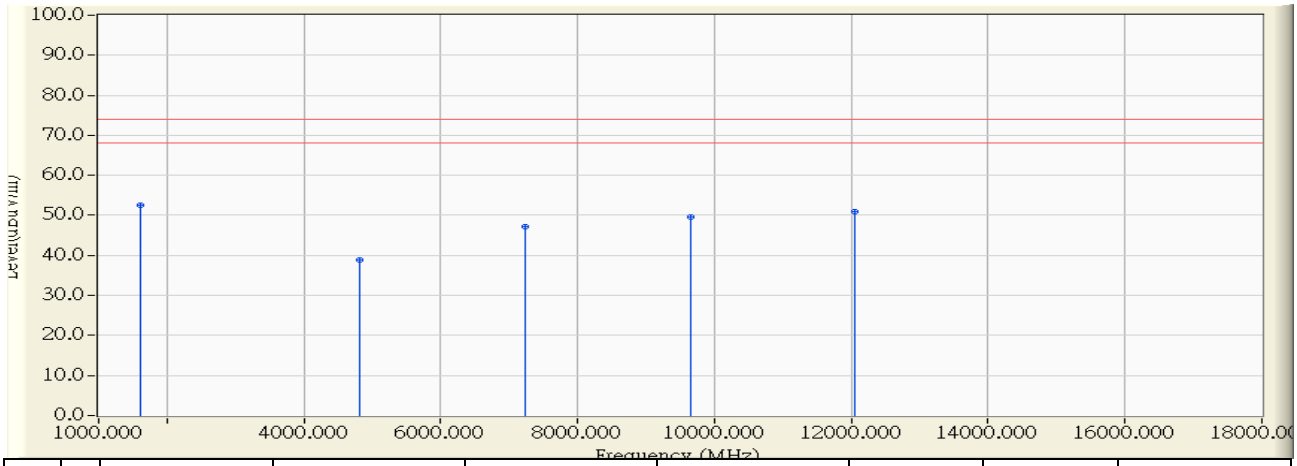


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1600.000	-8.713	53.630	44.917	-9.083	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/07/11 - 15:52**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : PoE DC48V**
EUT : Wireless Outdoor Access Point	**Note : 11g ch1 ant0**

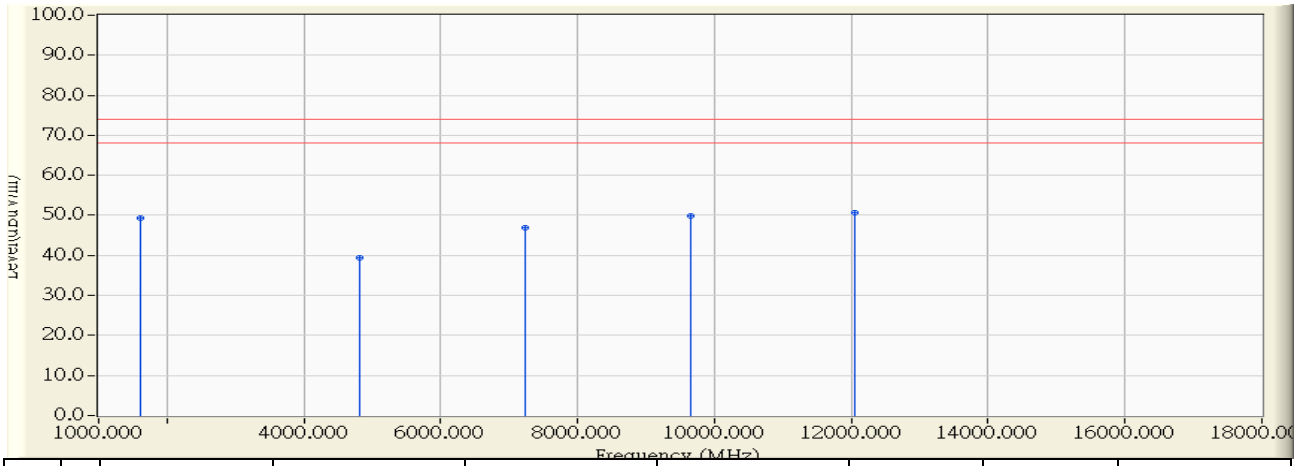


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1600.000	-8.713	61.170	52.457	-21.543	74.000	PEAK
2		4824.000	-0.534	39.490	38.956	-35.044	74.000	PEAK
3		7236.000	5.519	41.540	47.059	-26.941	74.000	PEAK
4		9648.000	9.446	40.180	49.626	-24.374	74.000	PEAK
5		12060.000	11.099	39.930	51.030	-22.970	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/07/11 - 16:01**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : PoE DC48V**
EUT : Wireless Outdoor Access Point	**Note : 11g ch1 ant0**

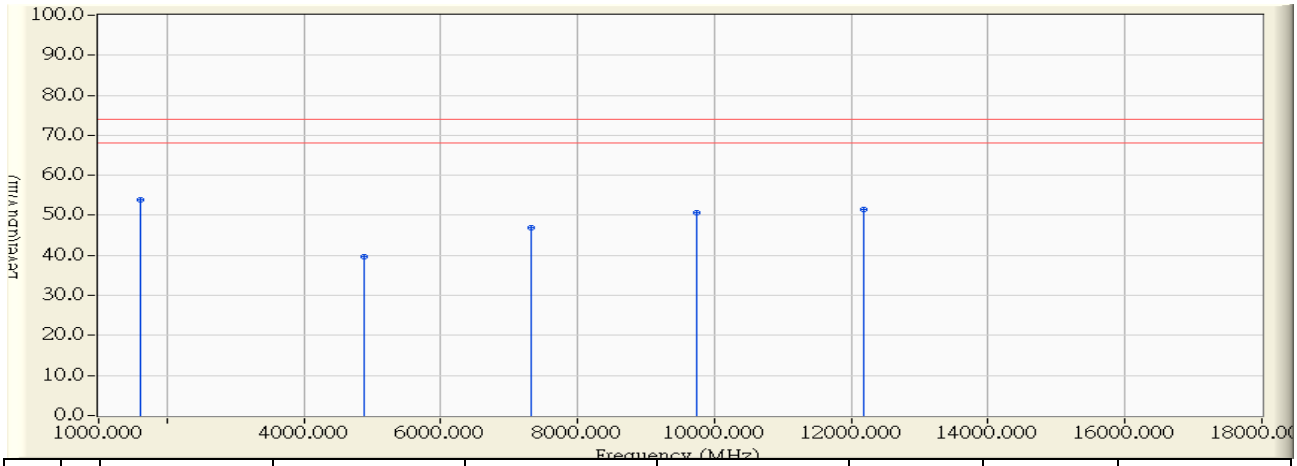


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1600.000	-8.713	58.140	49.427	-24.573	74.000	PEAK
2		4824.000	-0.534	40.020	39.486	-34.514	74.000	PEAK
3		7236.000	5.519	41.360	46.879	-27.121	74.000	PEAK
4		9648.000	9.446	40.460	49.906	-24.094	74.000	PEAK
5	*	12060.000	11.099	39.680	50.780	-23.220	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/07/11 - 15:37**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : PoE DC48V**
EUT : Wireless Outdoor Access Point	**Note : 11g ch6 ant0**

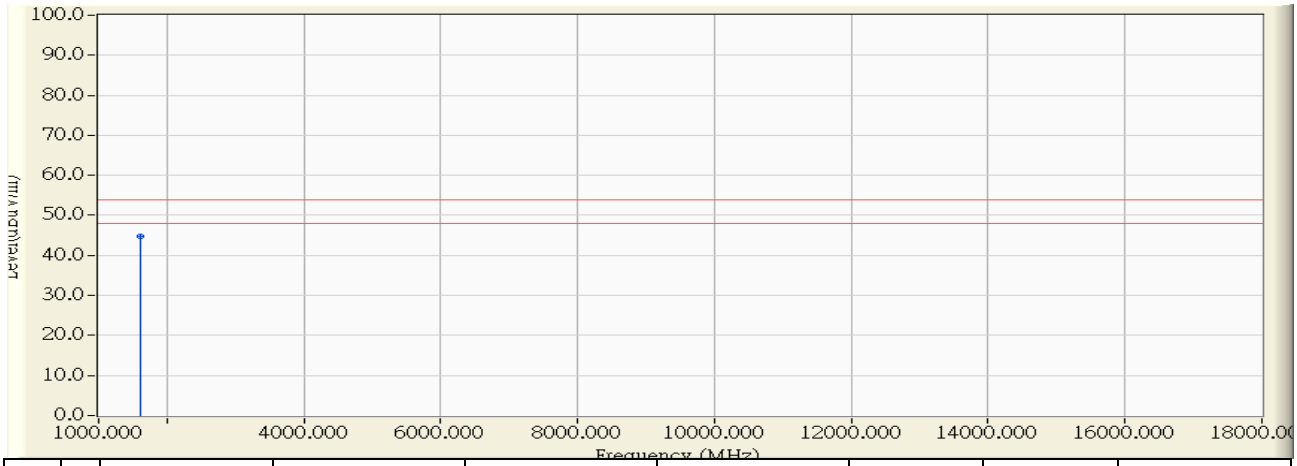


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1600.000	-8.713	62.680	53.967	-20.033	74.000	PEAK
2		4874.000	-0.412	40.160	39.748	-34.252	74.000	PEAK
3		7311.000	5.681	41.260	46.941	-27.059	74.000	PEAK
4		9748.000	10.094	40.470	50.563	-23.437	74.000	PEAK
5		12185.000	11.042	40.450	51.493	-22.507	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/07/11 - 15:38**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : PoE DC48V**
EUT : Wireless Outdoor Access Point	**Note : 11g ch6 ant0**

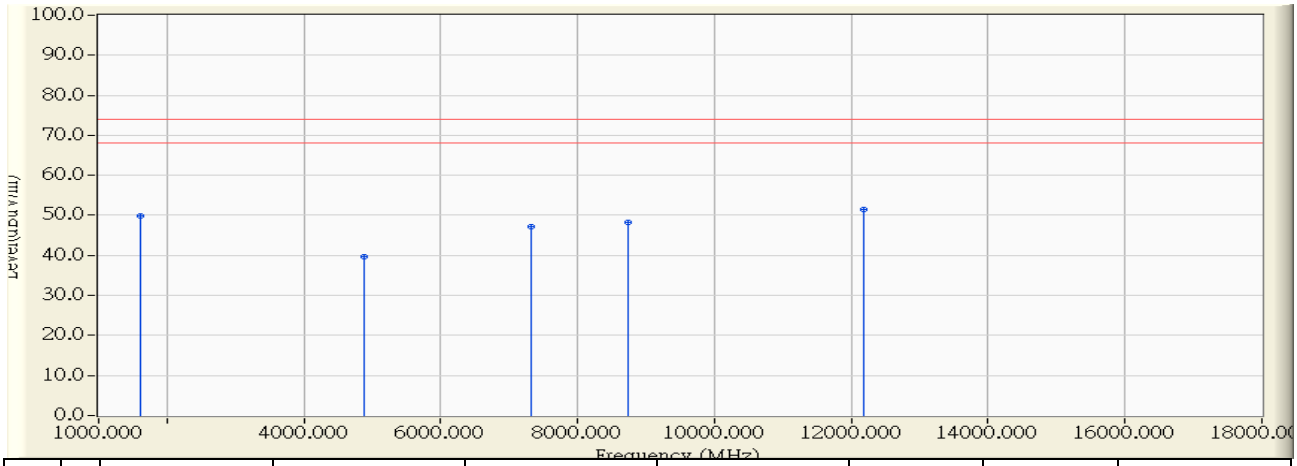


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1600.000	-8.713	53.580	44.867	-9.133	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/07/11 - 15:30**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : PoE DC48V**
EUT : Wireless Outdoor Access Point	**Note : 11g ch6 ant0**

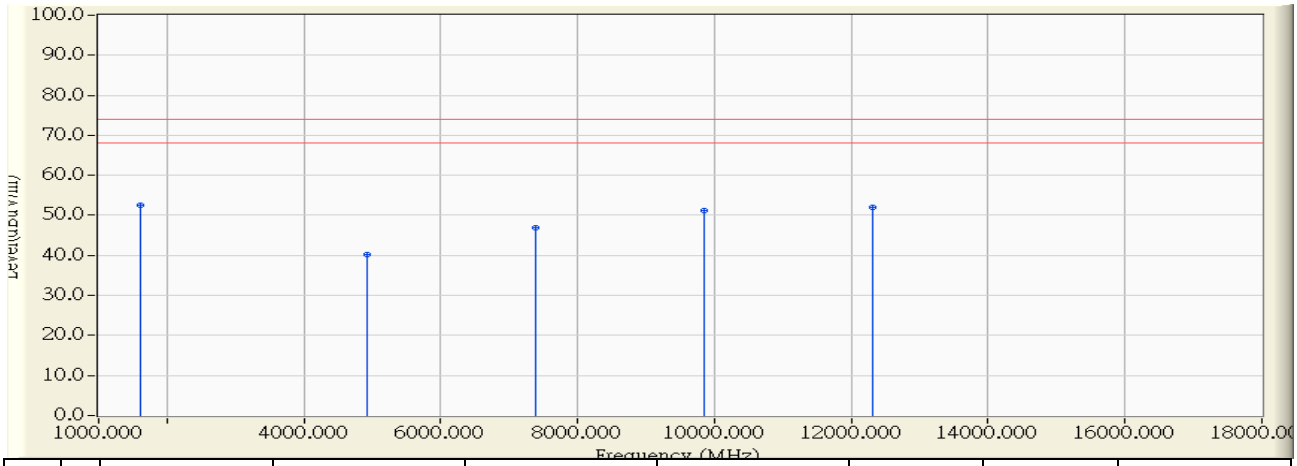


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1600.000	-8.713	58.470	49.757	-24.243	74.000	PEAK
2		4874.000	-0.412	39.970	39.558	-34.442	74.000	PEAK
3		7311.000	5.681	41.610	47.291	-26.709	74.000	PEAK
4		8748.000	7.147	40.980	48.126	-25.874	74.000	PEAK
5	*	12185.000	11.042	40.540	51.583	-22.417	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/07/11 - 15:14**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : PoE DC48V**
EUT : Wireless Outdoor Access Point	**Note : 11g ch11 ant0**

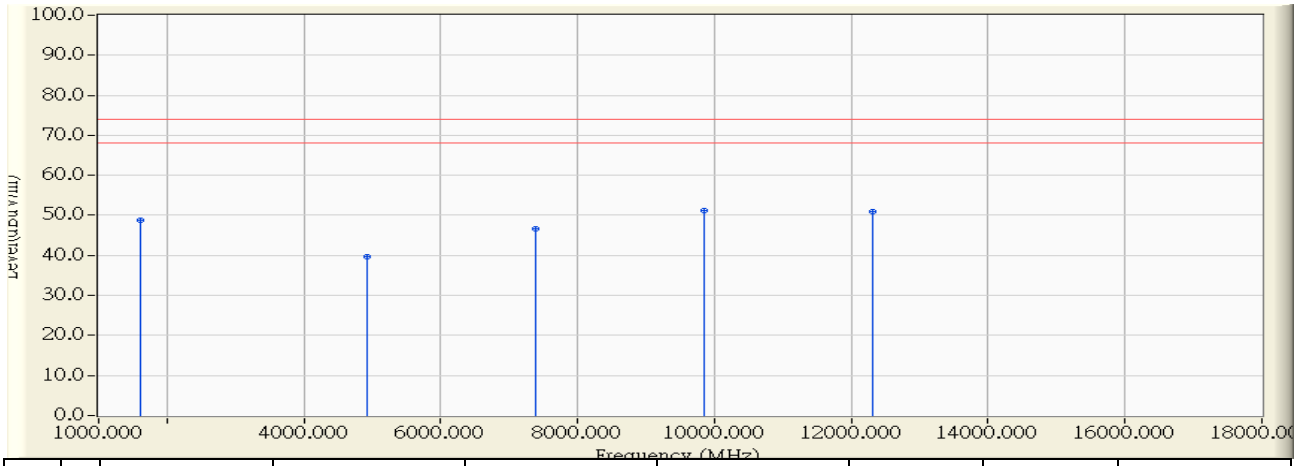


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1600.000	-8.713	61.220	52.507	-21.493	74.000	PEAK
2		4924.000	-0.290	40.540	40.250	-33.750	74.000	PEAK
3		7386.000	5.843	41.120	46.963	-27.037	74.000	PEAK
4		9848.000	10.741	40.380	51.121	-22.879	74.000	PEAK
5		12310.000	10.985	40.910	51.896	-22.104	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/07/11 - 15:20**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : PoE DC48V**
EUT : Wireless Outdoor Access Point	**Note : 11g ch11 ant0**

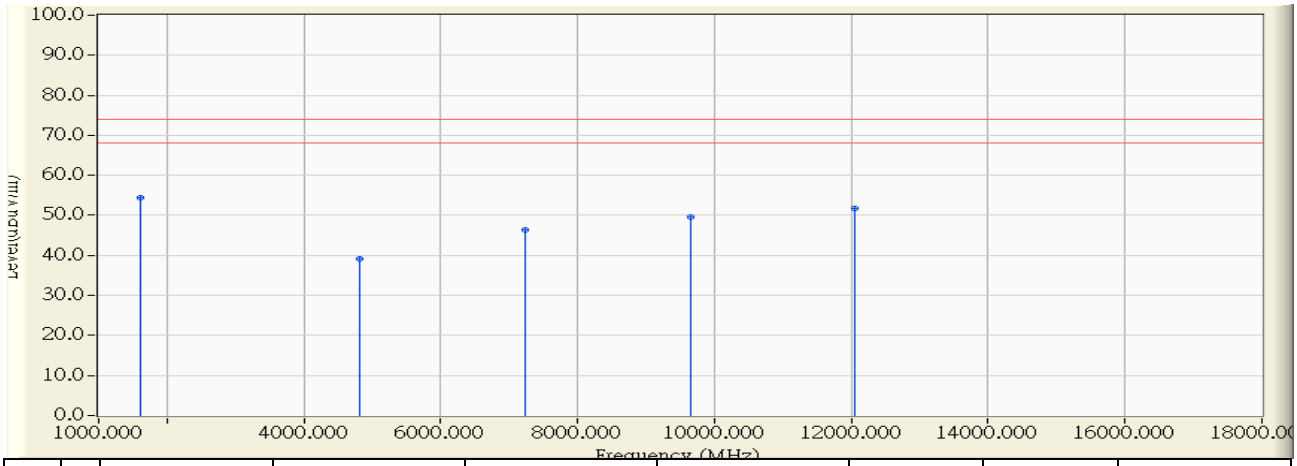


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1600.000	-8.713	57.560	48.847	-25.153	74.000	PEAK
2		4924.000	-0.290	40.060	39.770	-34.230	74.000	PEAK
3		7386.000	5.843	40.860	46.703	-27.297	74.000	PEAK
4	*	9848.000	10.741	40.480	51.221	-22.779	74.000	PEAK
5		12310.000	10.985	39.910	50.896	-23.104	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/07/11 - 16:22**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : PoE DC48V**
EUT : Wireless Outdoor Access Point	**Note : 11n20 ch1 ant0,1**

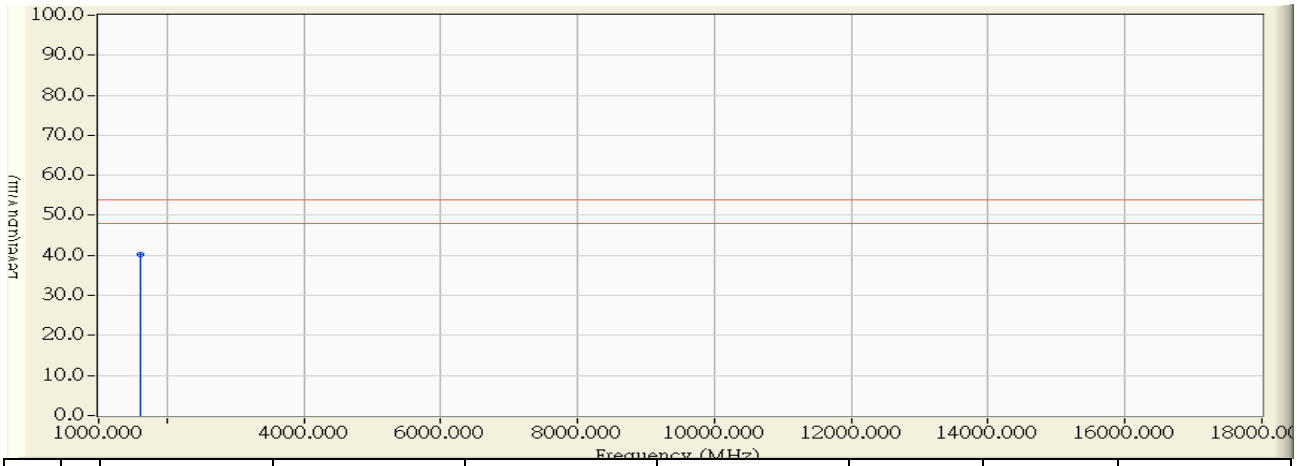


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1600.000	-8.713	63.010	54.297	-19.703	74.000	PEAK
2		4824.000	-0.534	39.790	39.256	-34.744	74.000	PEAK
3		7236.000	5.519	40.780	46.299	-27.701	74.000	PEAK
4		9648.000	9.446	40.190	49.636	-24.364	74.000	PEAK
5		12060.000	11.099	40.510	51.610	-22.390	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/07/11 - 16:25**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : PoE DC48V**
EUT : Wireless Outdoor Access Point	**Note : 11n20 ch1 ant0,1**

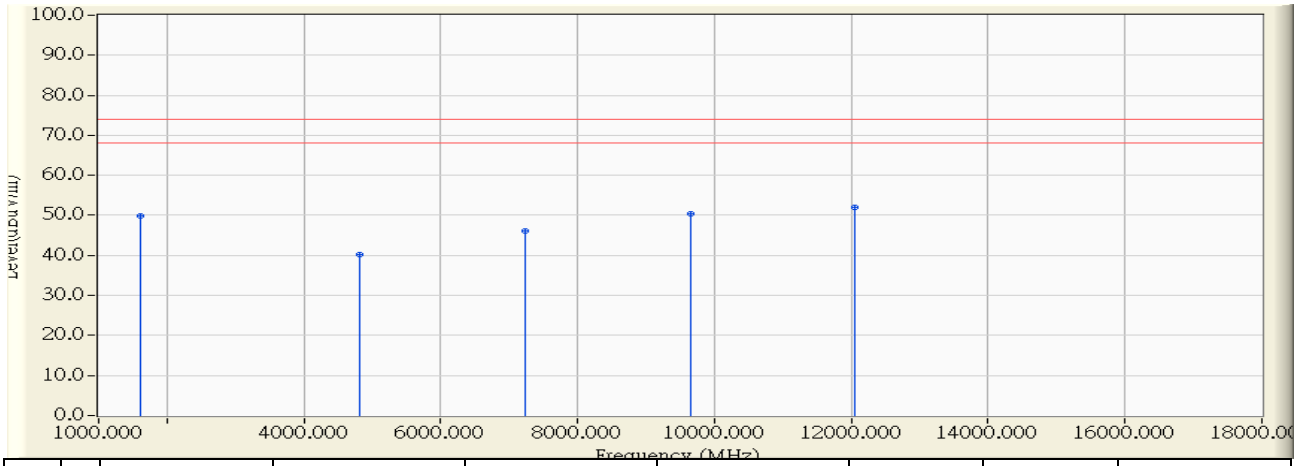


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1600.000	-8.713	48.934	40.221	-13.779	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/07/11 - 16:19**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : PoE DC48V**
EUT : Wireless Outdoor Access Point	**Note : 11n20 ch1 ant0,1**

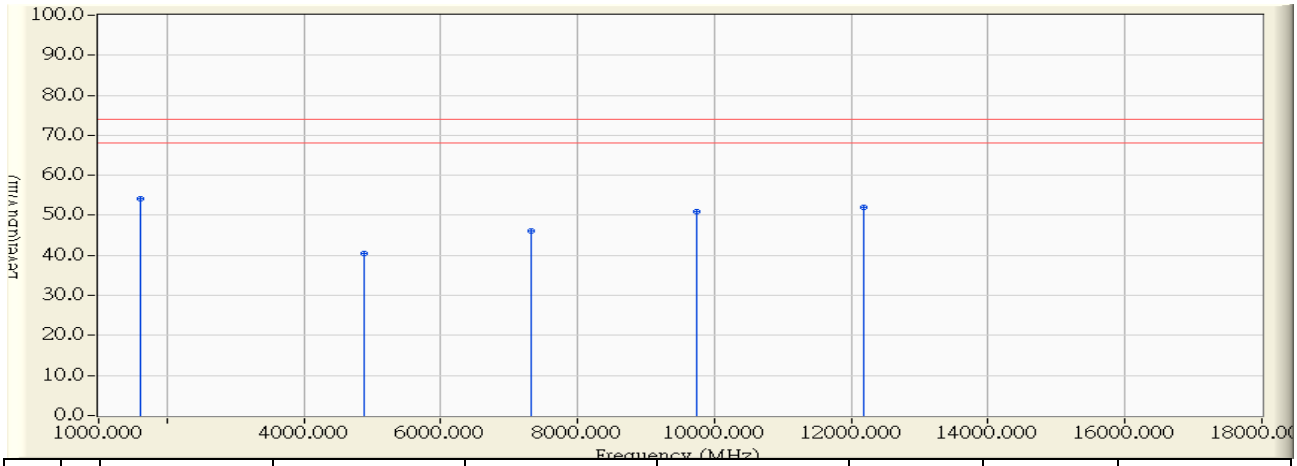


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1600.000	-8.713	58.680	49.967	-24.033	74.000	PEAK
2		4824.000	-0.534	40.650	40.116	-33.884	74.000	PEAK
3		7236.000	5.519	40.710	46.229	-27.771	74.000	PEAK
4		9648.000	9.446	41.030	50.476	-23.524	74.000	PEAK
5	*	12060.000	11.099	40.830	51.930	-22.070	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 = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2014/07/11 - 16:28**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : PoE DC48V**
EUT : Wireless Outdoor Access Point	**Note : 11n20 ch6 ant0,1**

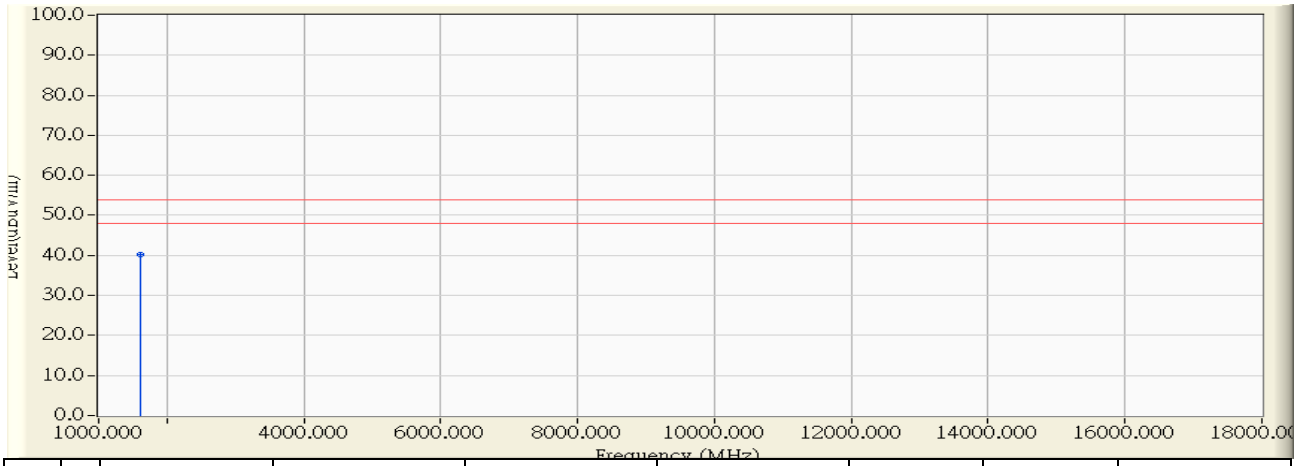


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1600.000	-8.713	62.830	54.117	-19.883	74.000	PEAK
2		4874.000	-0.412	40.880	40.468	-33.532	74.000	PEAK
3		7311.000	5.681	40.490	46.171	-27.829	74.000	PEAK
4		9748.000	10.094	40.840	50.933	-23.067	74.000	PEAK
5		12185.000	11.042	41.050	52.093	-21.907	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/07/11 - 16:30**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : PoE DC48V**
EUT : Wireless Outdoor Access Point	**Note : 11n20 ch6 ant0,1**

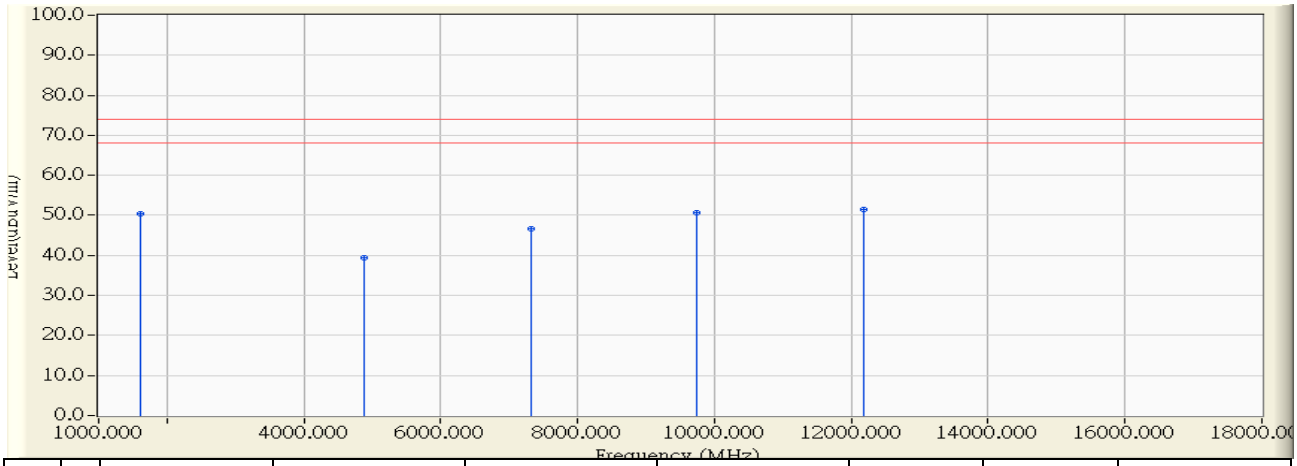


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1600.000	-8.713	48.940	40.227	-13.773	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/07/11 - 16:35**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : PoE DC48V**
EUT : Wireless Outdoor Access Point	**Note : 11n20 ch6 ant0,1**

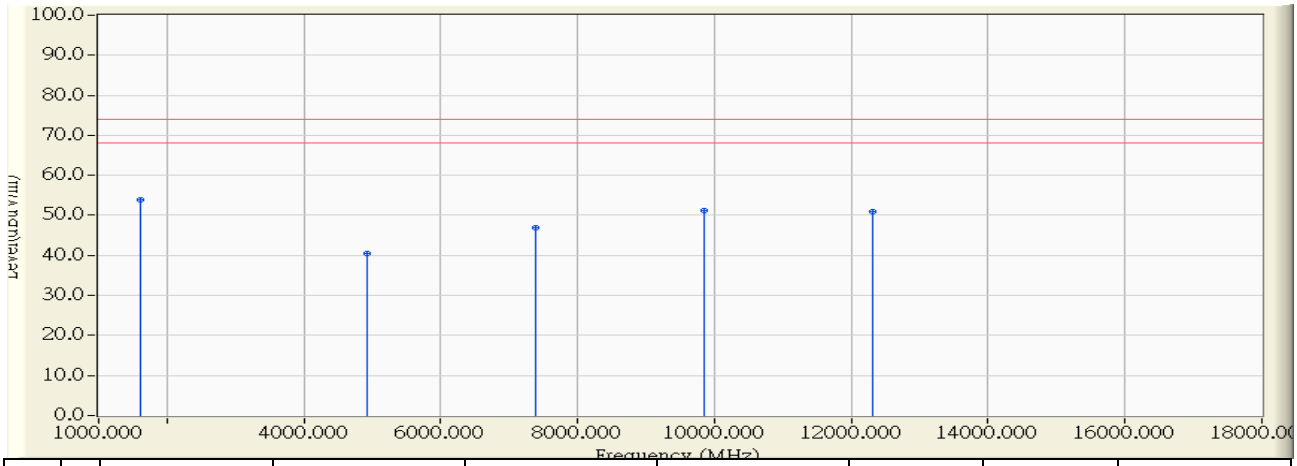


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1600.000	-8.713	59.230	50.517	-23.483	74.000	PEAK
2		4874.000	-0.412	39.850	39.438	-34.562	74.000	PEAK
3		7311.000	5.681	40.970	46.651	-27.349	74.000	PEAK
4		9748.000	10.094	40.580	50.673	-23.327	74.000	PEAK
5	*	12185.000	11.042	40.550	51.593	-22.407	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/07/11 - 16:41**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : PoE DC48V**
EUT : Wireless Outdoor Access Point	**Note : 11n20 ch11 ant0,1**

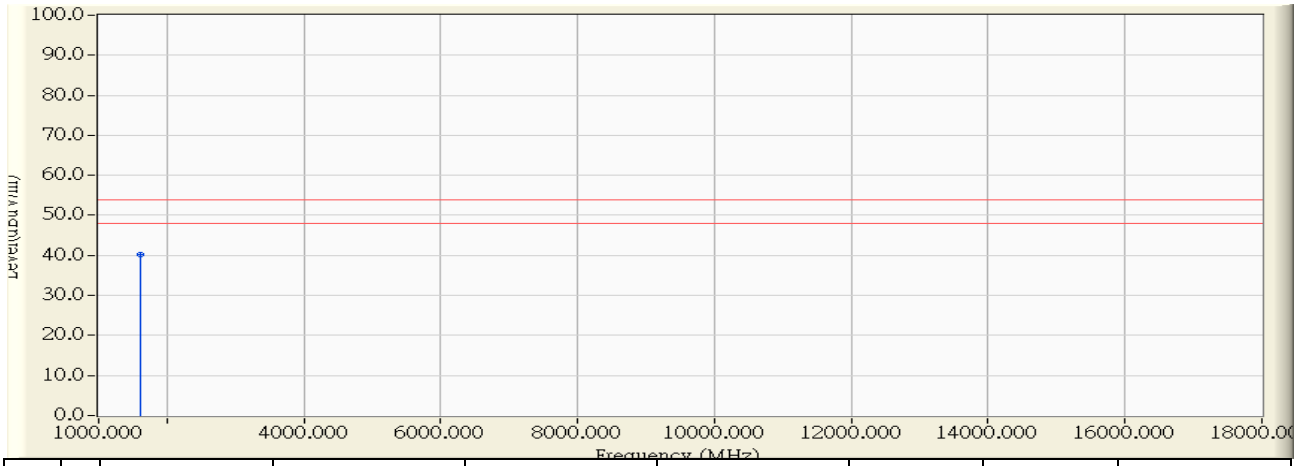


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1600.000	-8.713	62.650	53.937	-20.063	74.000	PEAK
2		4924.000	-0.290	40.780	40.490	-33.510	74.000	PEAK
3		7386.000	5.843	41.090	46.933	-27.067	74.000	PEAK
4		9848.000	10.741	40.590	51.331	-22.669	74.000	PEAK
5		12310.000	10.985	40.070	51.056	-22.944	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/07/11 - 16:43**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : PoE DC48V**
EUT : Wireless Outdoor Access Point	**Note : 11n20 ch11 ant0,1**

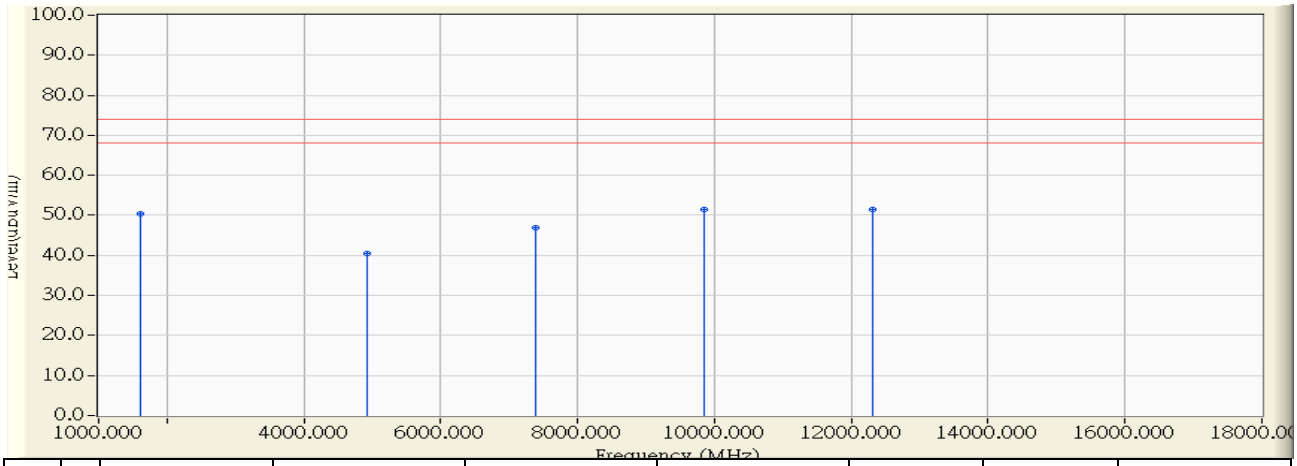


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1600.000	-8.713	48.950	40.237	-13.763	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/07/11 - 16:39**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : PoE DC48V**
EUT : Wireless Outdoor Access Point	**Note : 11n20 ch11 ant0,1**

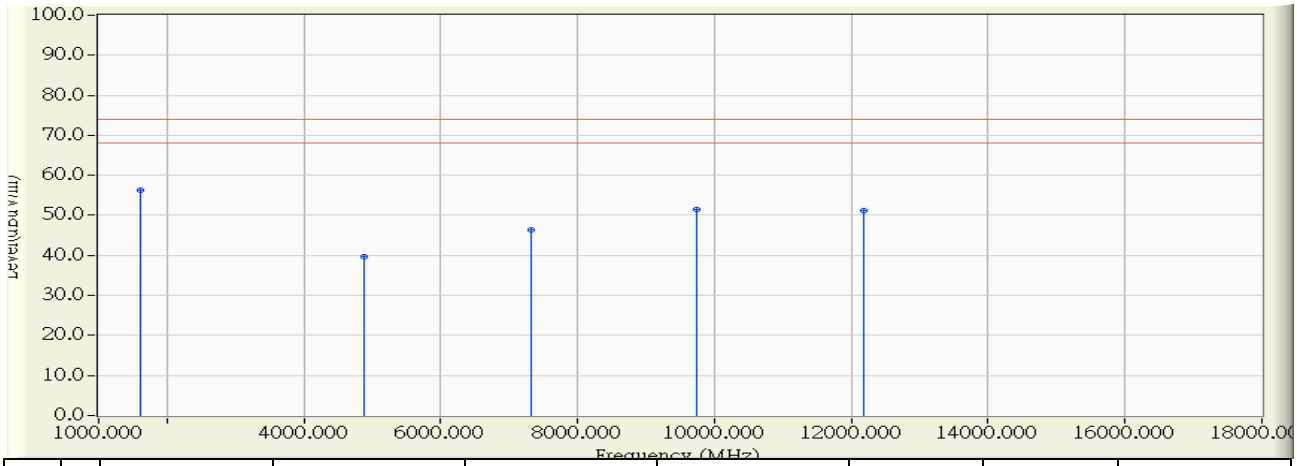


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1600.000	-8.713	59.160	50.447	-23.553	74.000	PEAK
2		4924.000	-0.290	40.680	40.390	-33.610	74.000	PEAK
3		7386.000	5.843	41.030	46.873	-27.127	74.000	PEAK
4	*	9848.000	10.741	40.790	51.531	-22.469	74.000	PEAK
5		12310.000	10.985	40.450	51.436	-22.564	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/07/11 - 16:51**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : PoE DC48V**
EUT : Wireless Outdoor Access Point	**Note : 11n40 ch6 ant0,1**

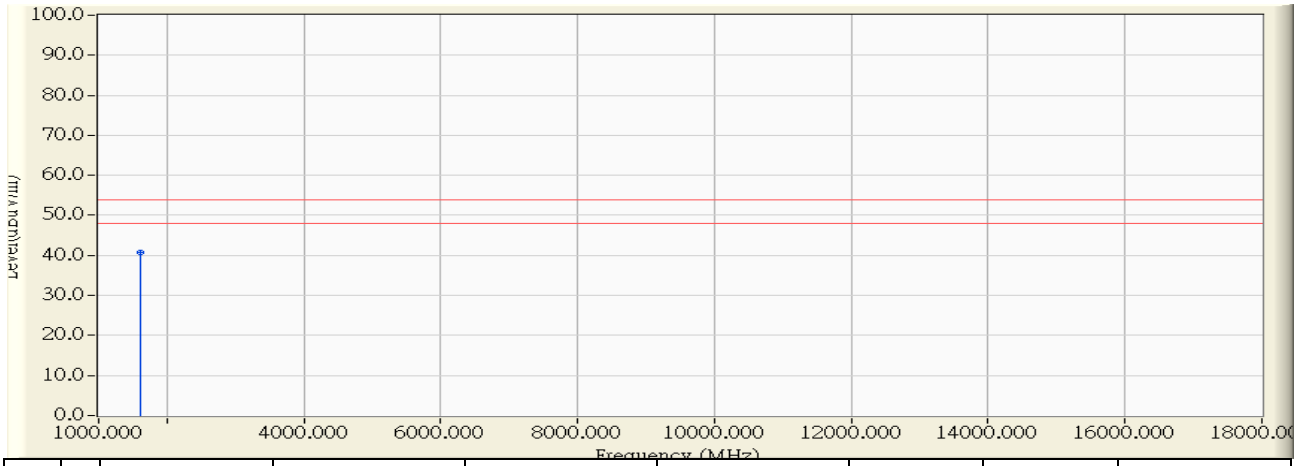


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1600.000	-8.713	64.890	56.177	-17.823	74.000	PEAK
2		4874.000	-0.412	39.970	39.558	-34.442	74.000	PEAK
3		7311.000	5.681	40.670	46.351	-27.649	74.000	PEAK
4		9748.000	10.094	41.260	51.353	-22.647	74.000	PEAK
5		12185.000	11.042	40.150	51.193	-22.807	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/07/11 - 16:52**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : PoE DC48V**
EUT : Wireless Outdoor Access Point	**Note : 11n40 ch6 ant0,1**

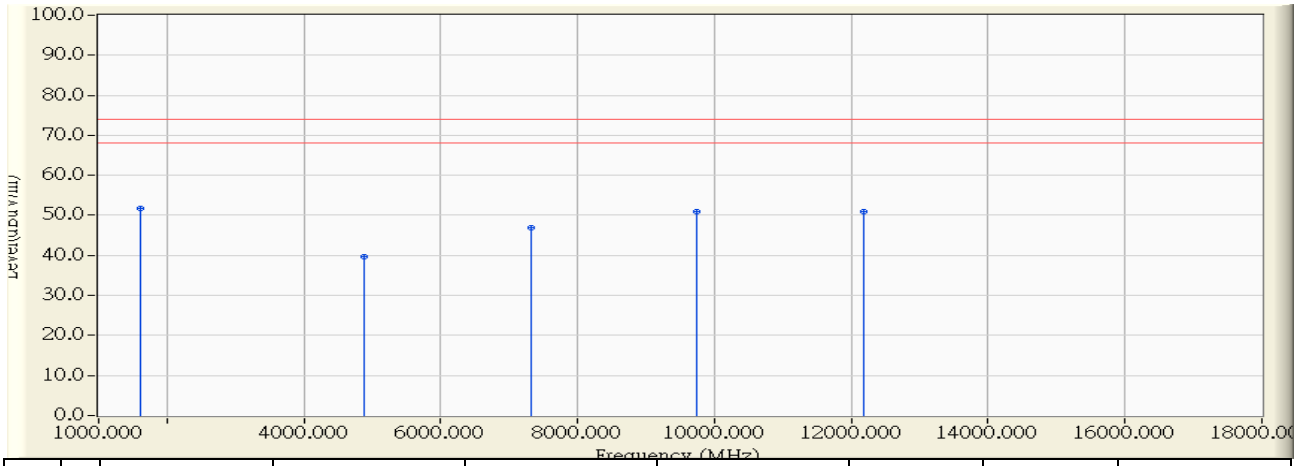


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1600.000	-8.713	49.540	40.827	-13.173	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/07/11 - 16:49**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : PoE DC48V**
EUT : Wireless Outdoor Access Point	**Note : 11n40 ch6 ant0,1**

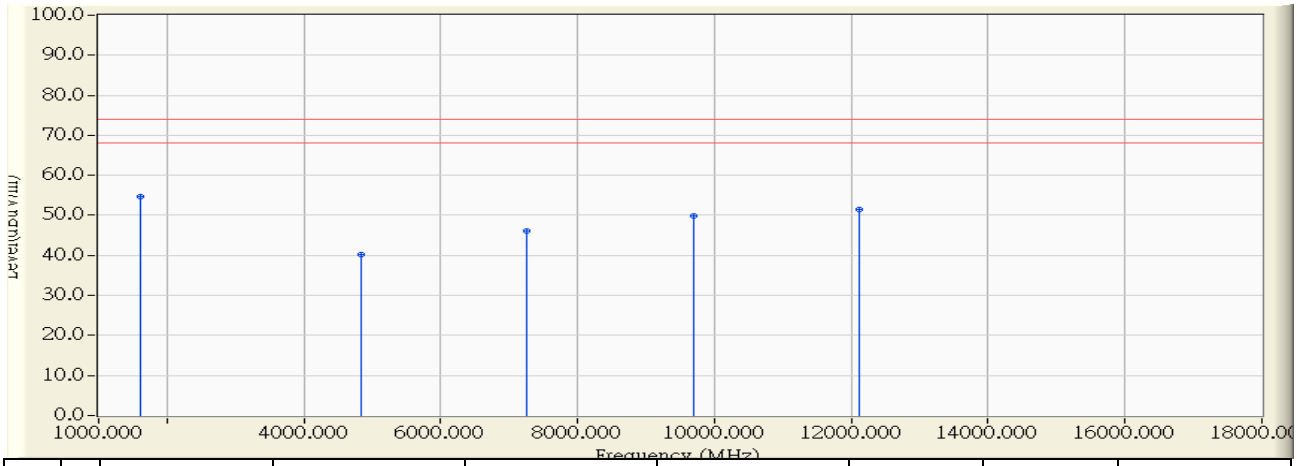


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1600.000	-8.713	60.470	51.757	-22.243	74.000	PEAK
2		4874.000	-0.412	39.990	39.578	-34.422	74.000	PEAK
3		7311.000	5.681	41.150	46.831	-27.169	74.000	PEAK
4		9748.000	10.094	40.750	50.843	-23.157	74.000	PEAK
5		12185.000	11.042	39.840	50.883	-23.117	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/07/11 - 16:56**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : PoE DC48V**
EUT : Wireless Outdoor Access Point	**Note : 11n40 ch3 ant0,1**

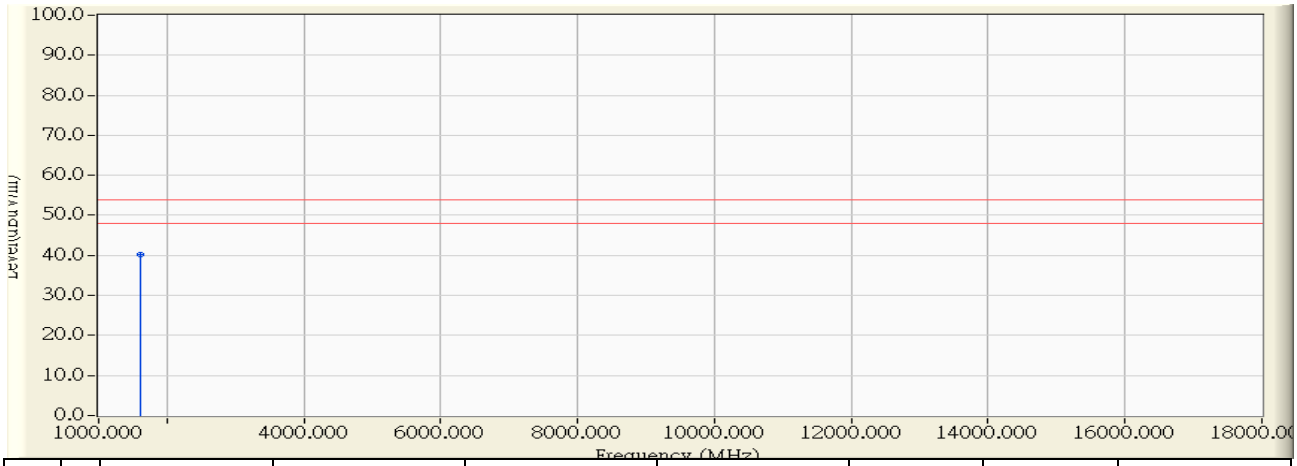


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1600.000	-8.713	63.390	54.677	-19.323	74.000	PEAK
2		4844.000	-0.485	40.730	40.245	-33.755	74.000	PEAK
3		7266.000	5.584	40.650	46.234	-27.766	74.000	PEAK
4		9688.000	9.705	40.210	49.915	-24.085	74.000	PEAK
5		12110.000	11.076	40.420	51.497	-22.503	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/07/11 - 16:54**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : PoE DC48V**
EUT : Wireless Outdoor Access Point	**Note : 11n40 ch3 ant0,1**

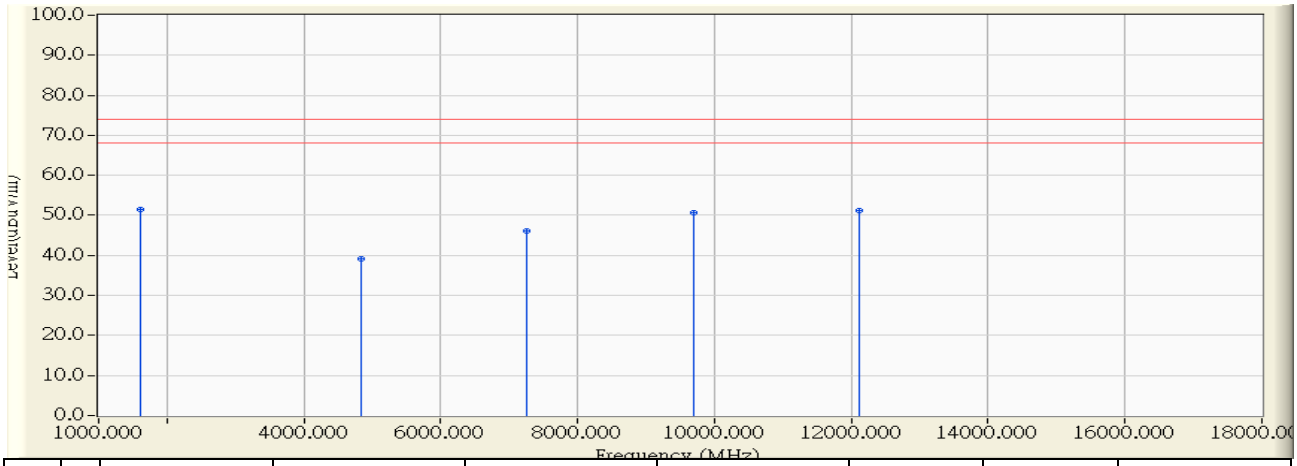


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1600.000	-8.713	48.960	40.247	-13.753	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/07/11 - 16:57**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : PoE DC48V**
EUT : Wireless Outdoor Access Point	**Note : 11n40 ch3 ant0,1**

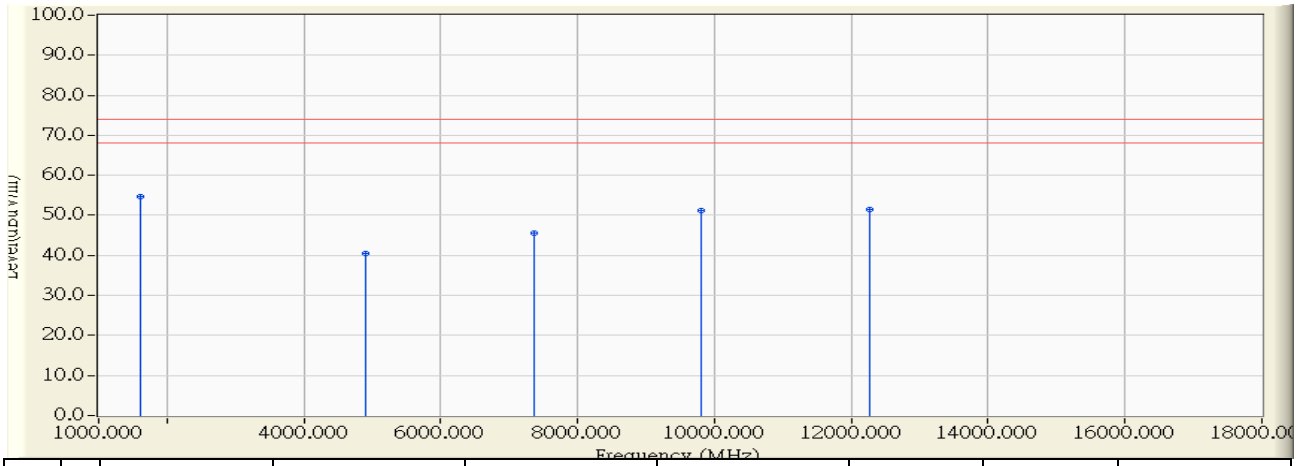


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1600.000	-8.713	60.120	51.407	-22.593	74.000	PEAK
2		4844.000	-0.485	39.760	39.275	-34.725	74.000	PEAK
3		7266.000	5.584	40.560	46.144	-27.856	74.000	PEAK
4		9688.000	9.705	41.040	50.745	-23.255	74.000	PEAK
5		12110.000	11.076	40.070	51.147	-22.853	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/07/11 - 16:47**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : PoE DC48V**
EUT : Wireless Outdoor Access Point	**Note : 11n40 ch9 ant0,1**

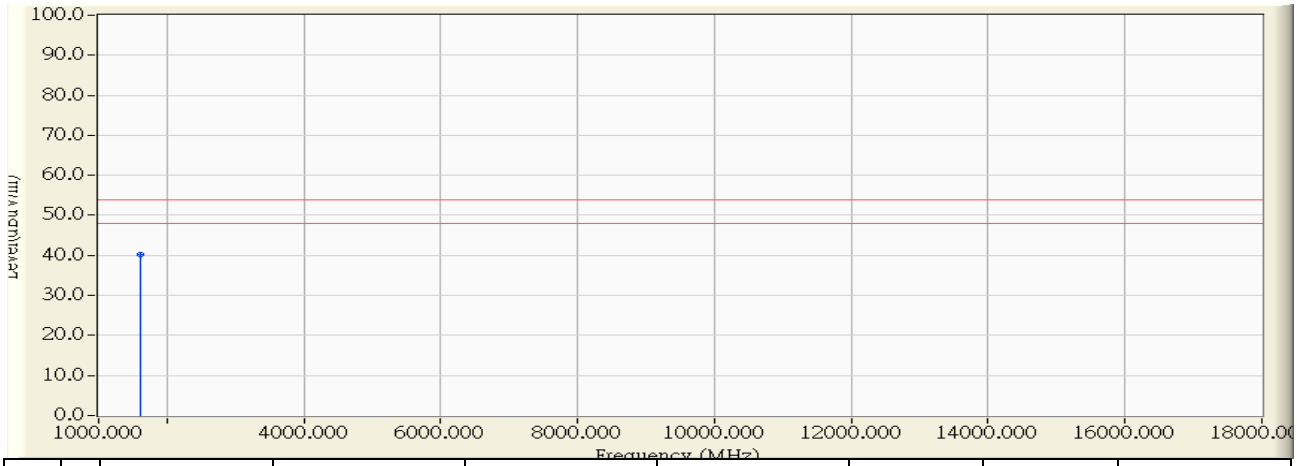


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1600.000	-8.713	63.480	54.767	-19.233	74.000	PEAK
2		4904.000	-0.339	40.820	40.481	-33.519	74.000	PEAK
3		7356.000	5.778	39.790	45.568	-28.432	74.000	PEAK
4		9808.000	10.482	40.690	51.172	-22.828	74.000	PEAK
5		12260.000	11.008	40.340	51.349	-22.651	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/07/11 - 16:45**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : PoE DC48V**
EUT : Wireless Outdoor Access Point	**Note : 11n40 ch9 ant0,1**

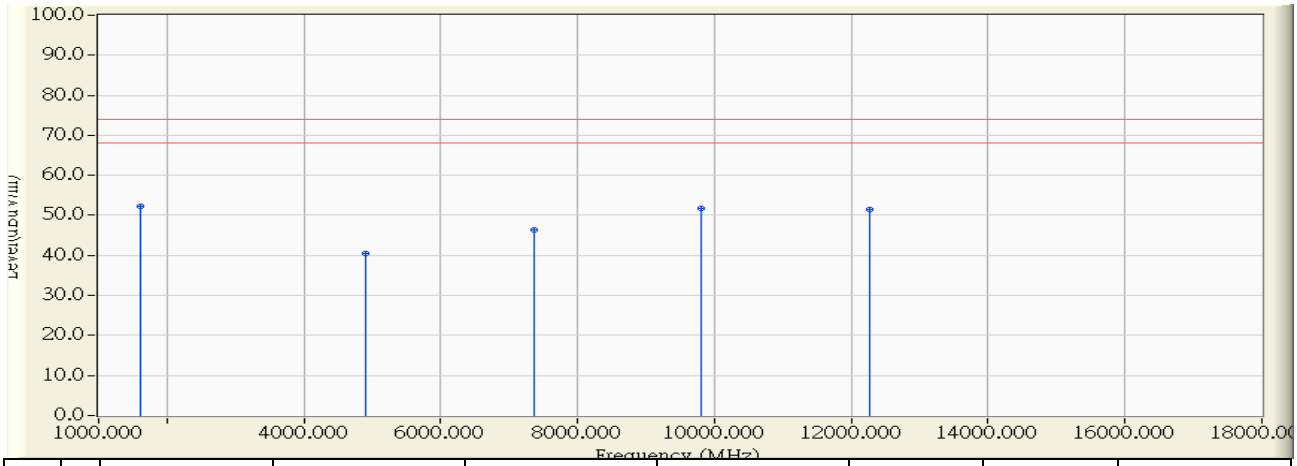


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1600.000	-8.713	48.930	40.217	-13.783	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/07/11 - 16:48**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : PoE DC48V**
EUT : Wireless Outdoor Access Point	**Note : 11n40 ch9 ant0,1**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1600.000	-8.713	60.990	52.277	-21.723	74.000	PEAK
2		4904.000	-0.339	40.810	40.471	-33.529	74.000	PEAK
3		7356.000	5.778	40.710	46.488	-27.512	74.000	PEAK
4		9808.000	10.482	41.340	51.822	-22.178	74.000	PEAK
5		12260.000	11.008	40.400	51.409	-22.591	74.000	PEAK

Note:

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

5. RF antenna conducted test

5.1. Test Equipment

The following test equipments are used during the test:

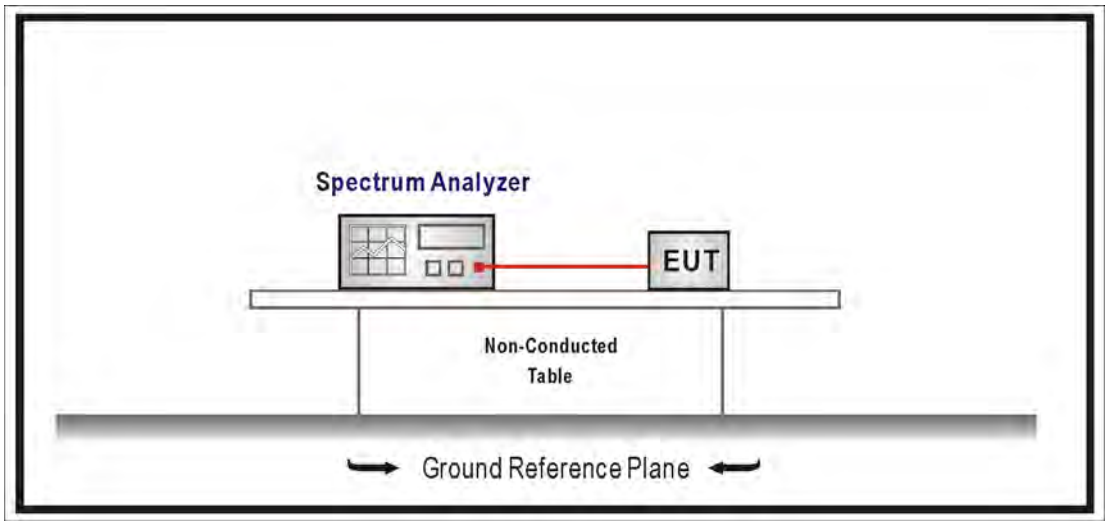
RF antenna conducted test / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2014/08/05

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

5.2. Test Setup

RF Antenna Conducted Measurement:



5.3. Limits

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

5.4. Test Procedure

The EUT was setup according to ANSI C63.4: 2009 and tested according to DTS test procedure of KDB558074 v03r01 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

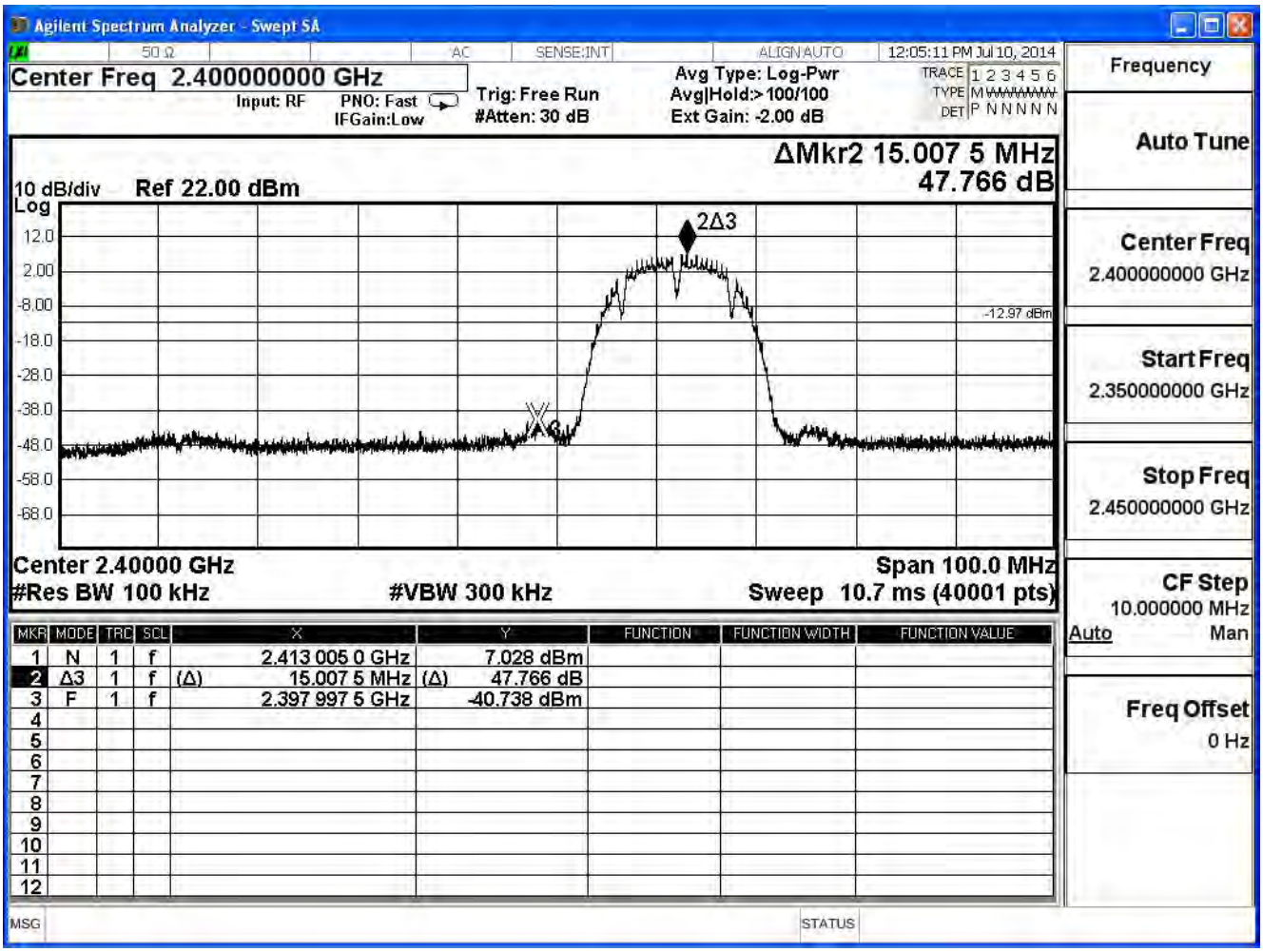
Conducted is defined as ± 1.27dB

5.7. Test Result

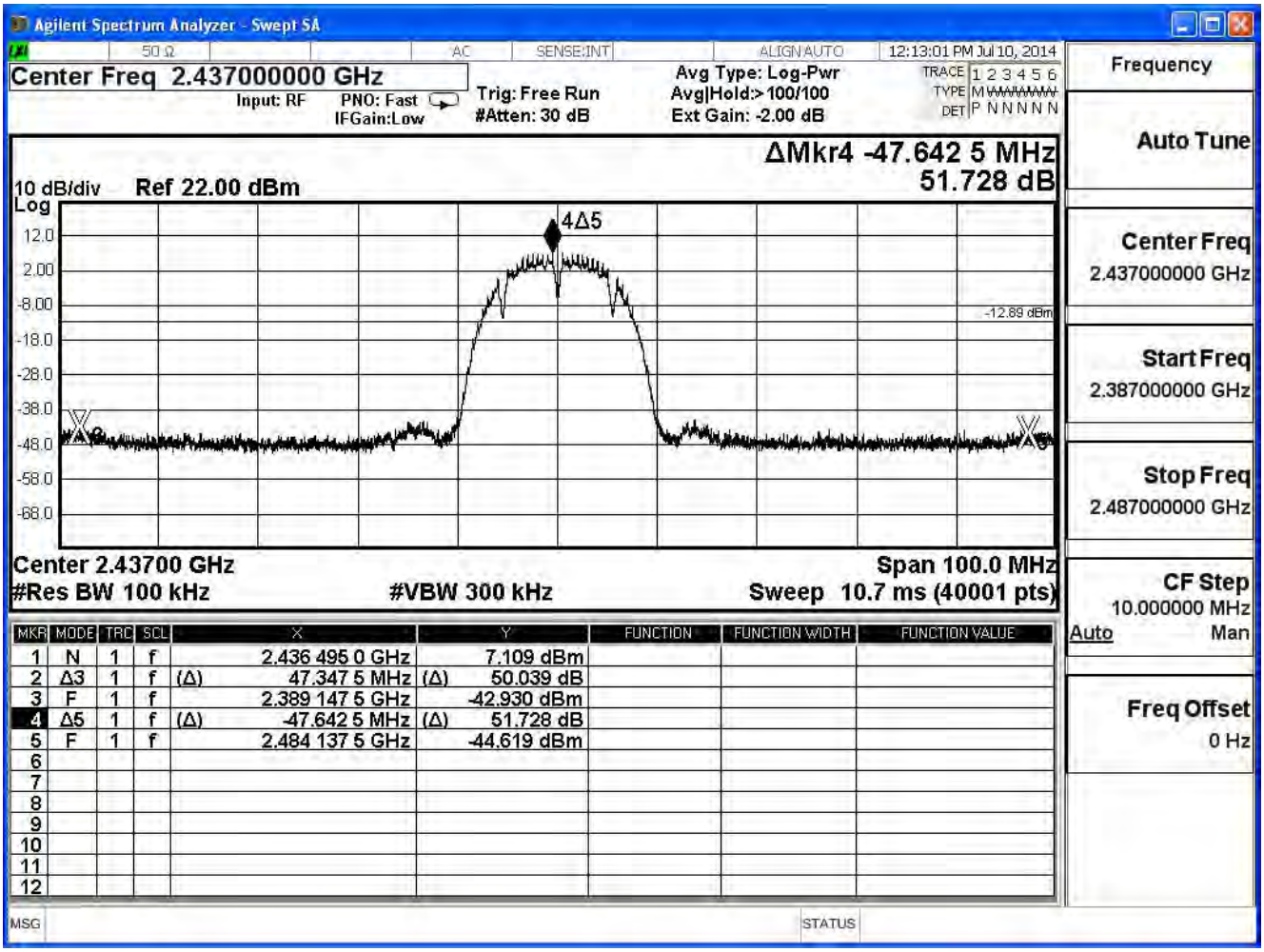
Product	Wireless Outdoor Access Point		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2014/07/09	Test Site	SR7

IEEE 802.11b, Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	47.766	≧20	Pass
6	2437	50.039	≧20	Pass
11	2462	51.604	≧20	Pass

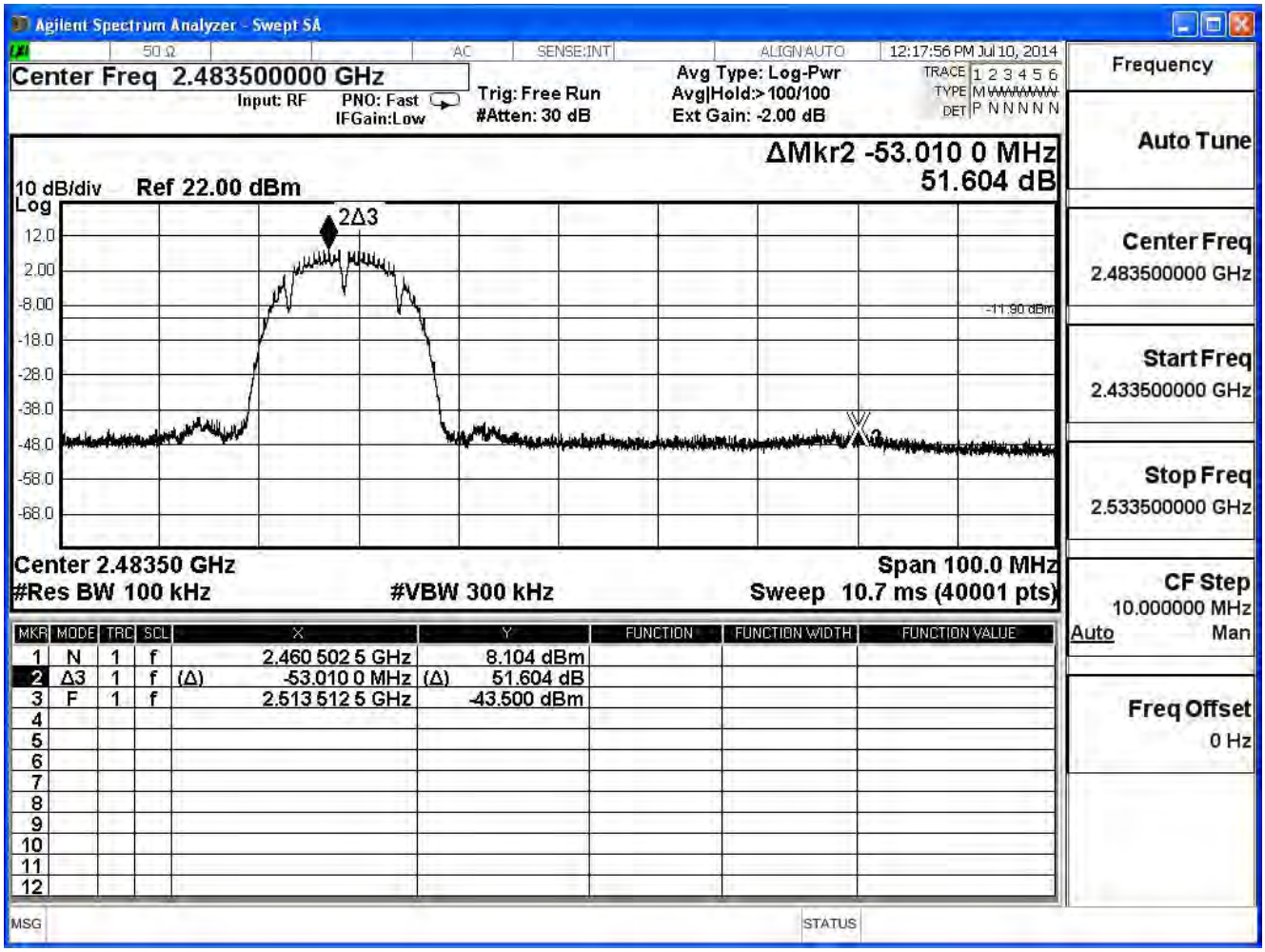
Channel 01 (2412MHz)



Channel 06 (2437MHz)



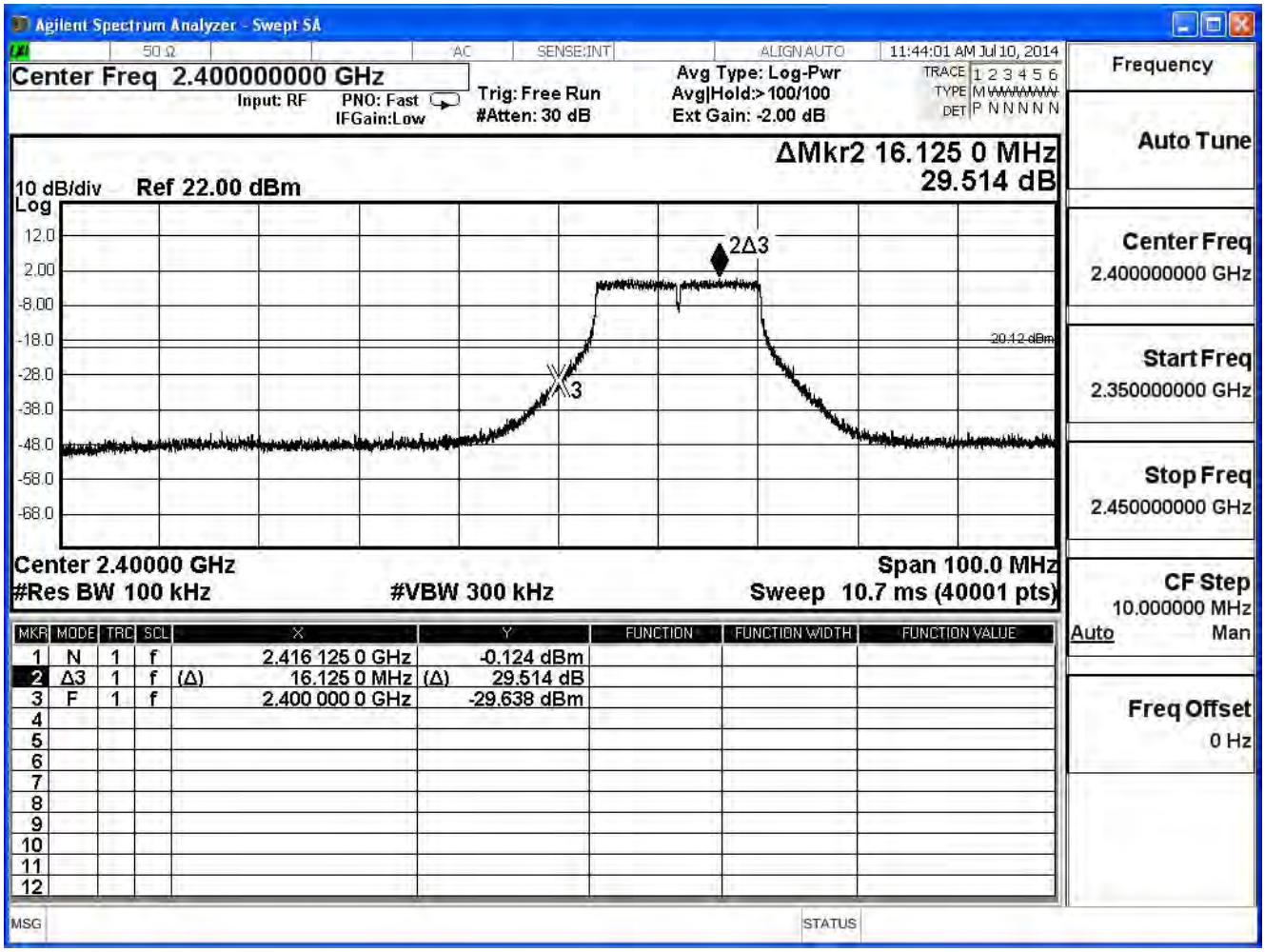
Channel 11 (2462MHz)



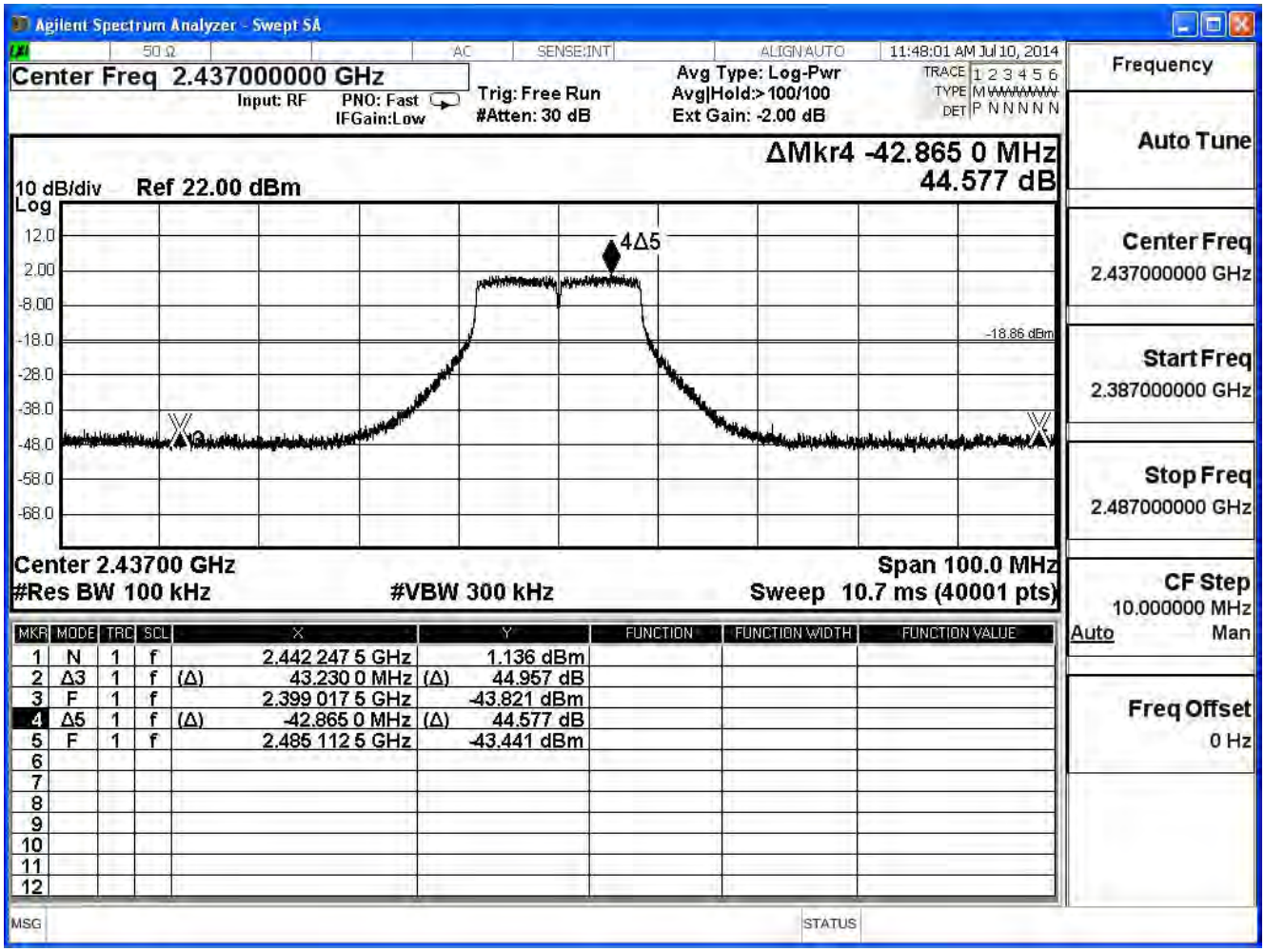
Product	Wireless Outdoor Access Point		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2014/07/09	Test Site	SR7

IEEE 802.11g, Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	29.514	≧20	Pass
6	2437	44.577	≧20	Pass
11	2462	46.459	≧20	Pass

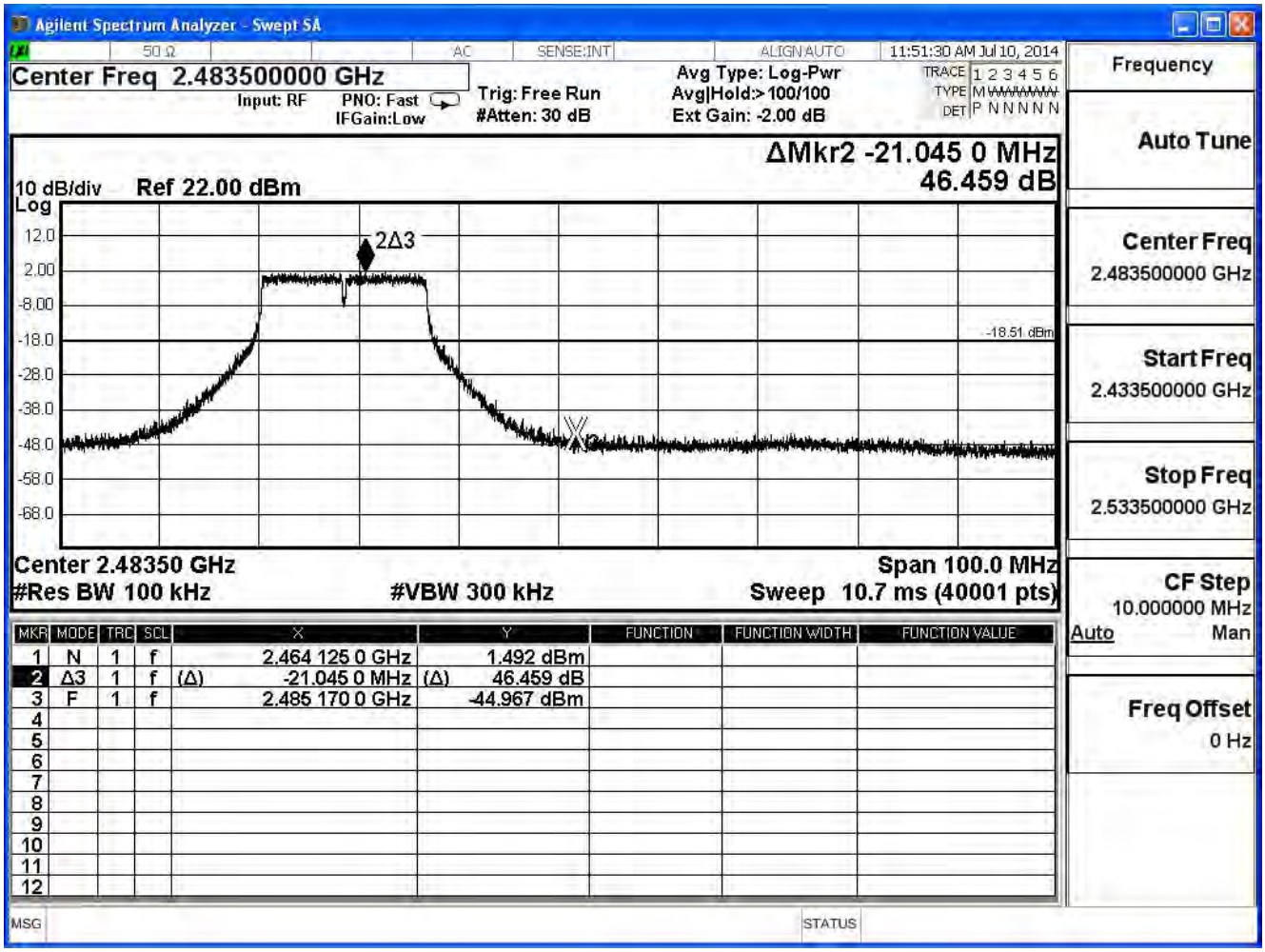
Channel 01 (2412MHz)



Channel 06 (2437MHz)



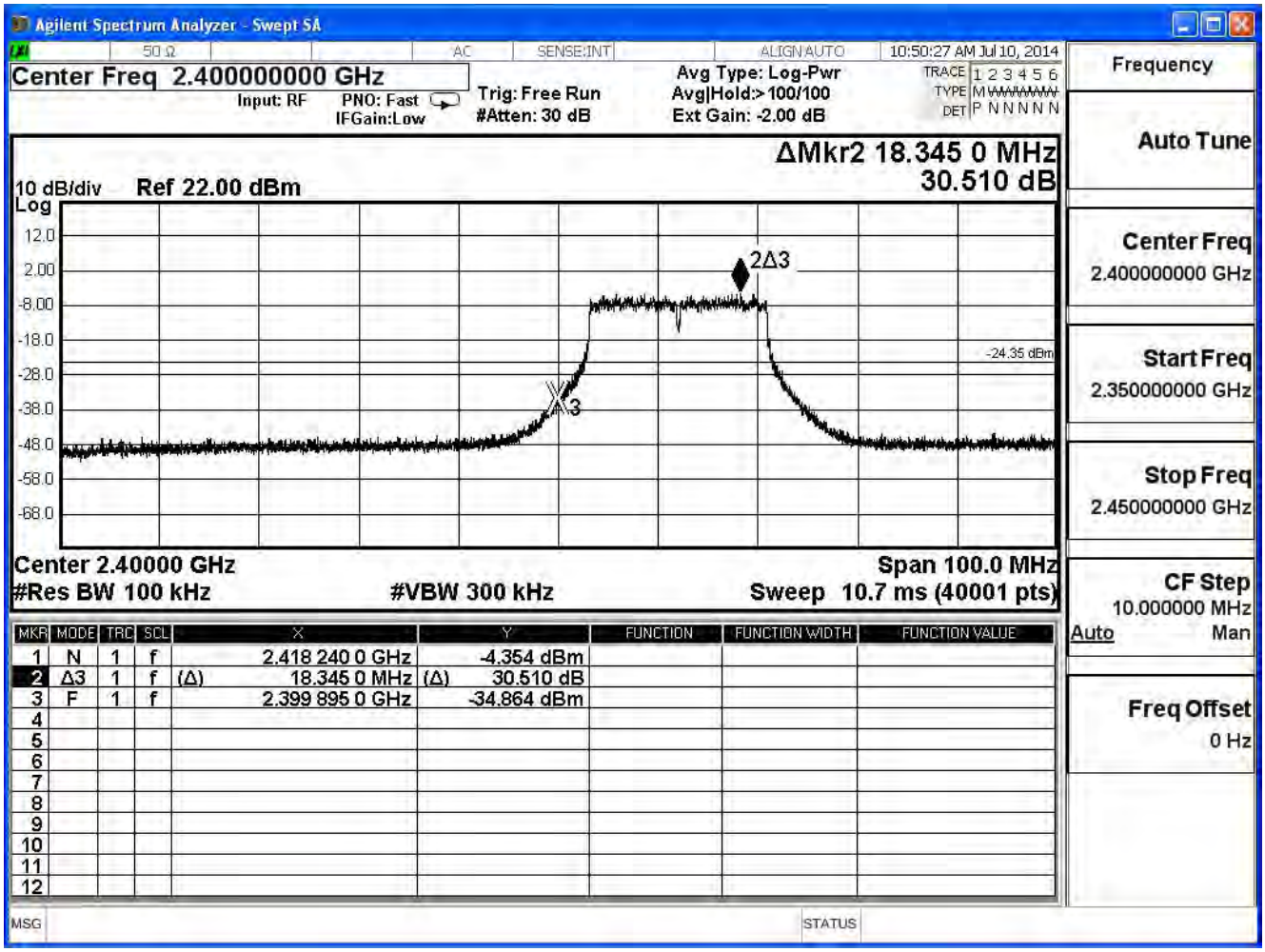
Channel 11 (2462MHz)



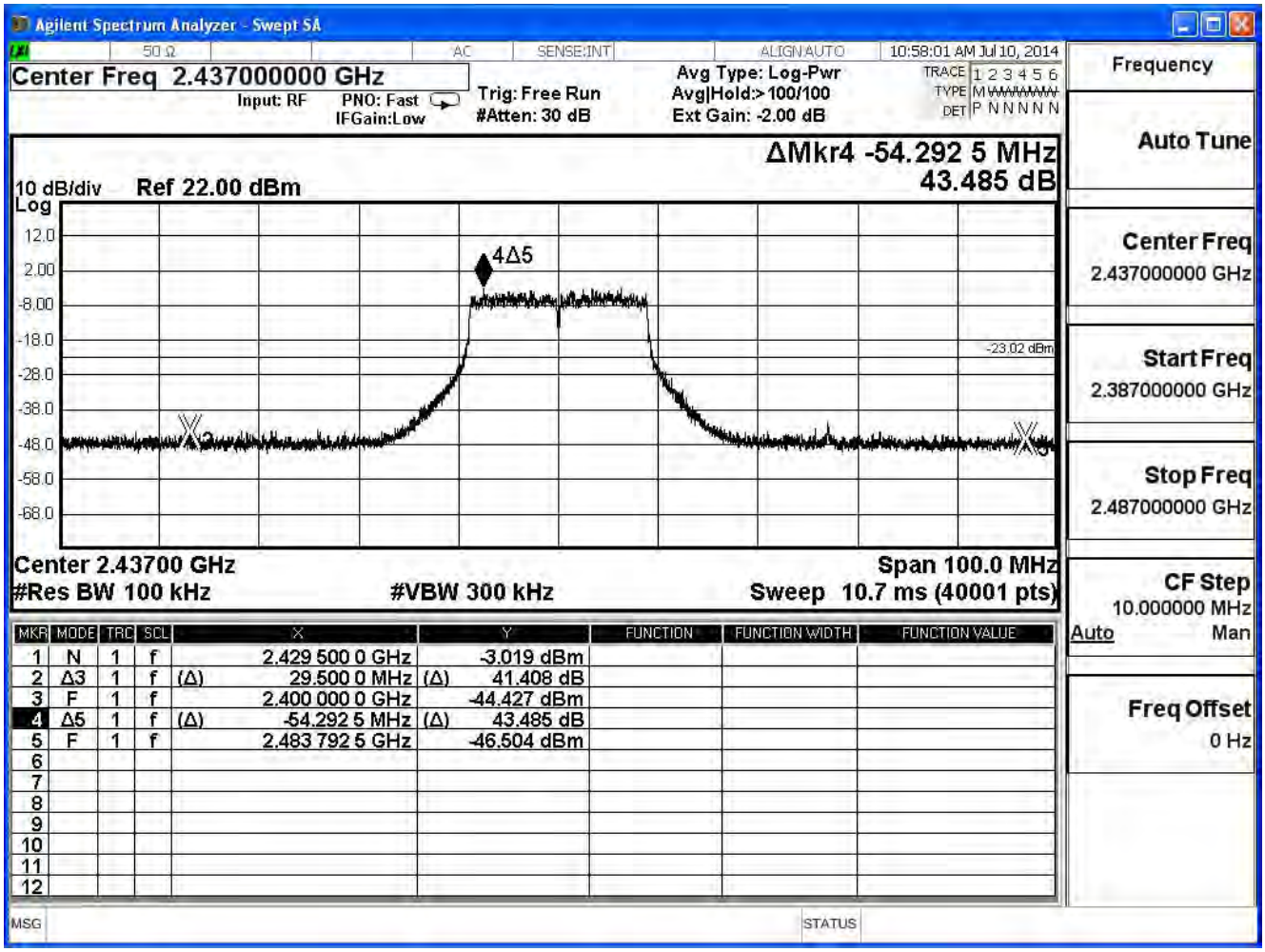
Product	Wireless Outdoor Access Point		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2014/07/09	Test Site	SR7

IEEE 802.11n (20MHz), ANT 0, Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	30.510	≧20	Pass
6	2437	41.408	≧20	Pass
11	2462	40.969	≧20	Pass

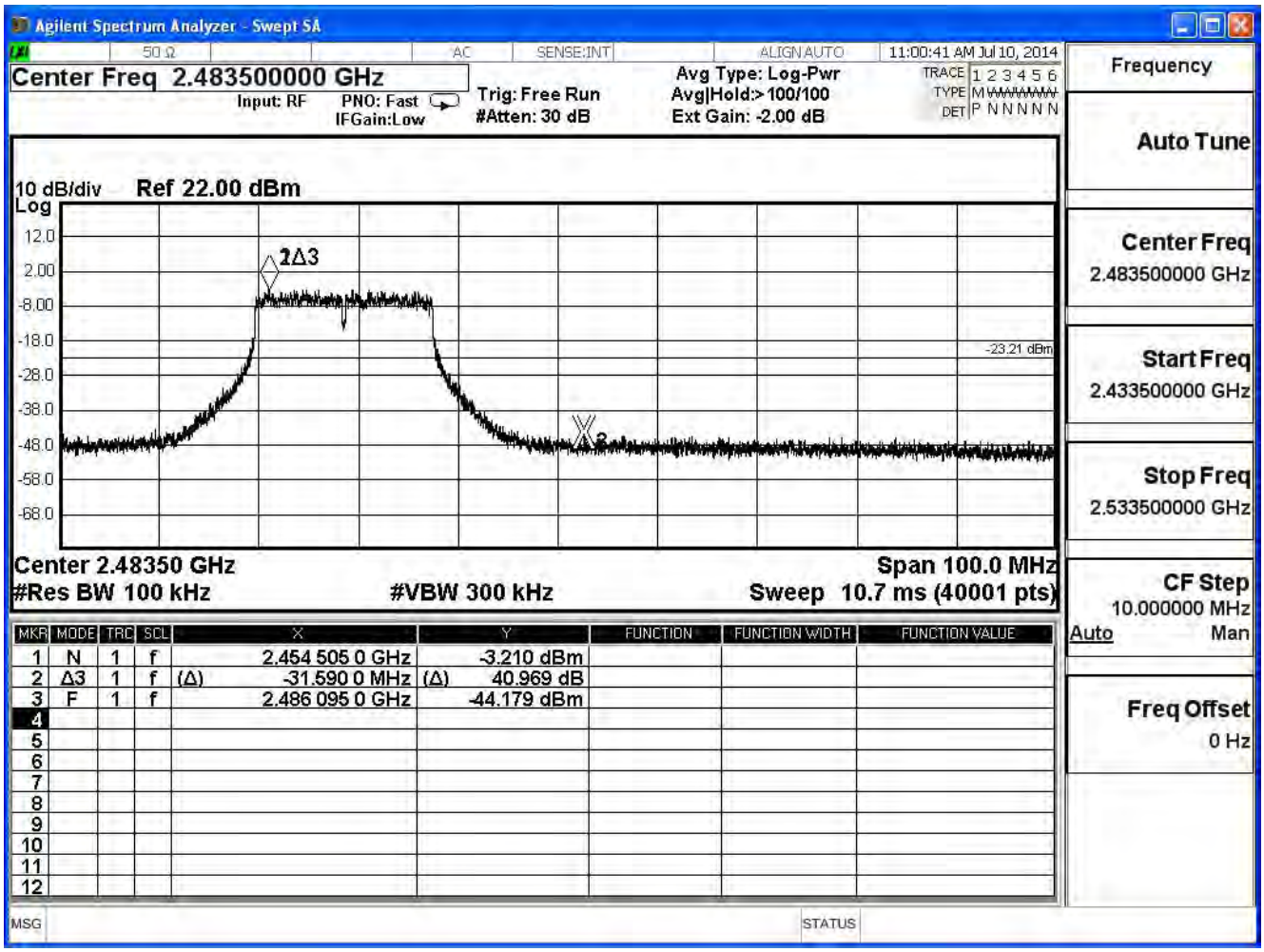
Channel 1 (2412MHz)



Channel 6 (2437MHz)



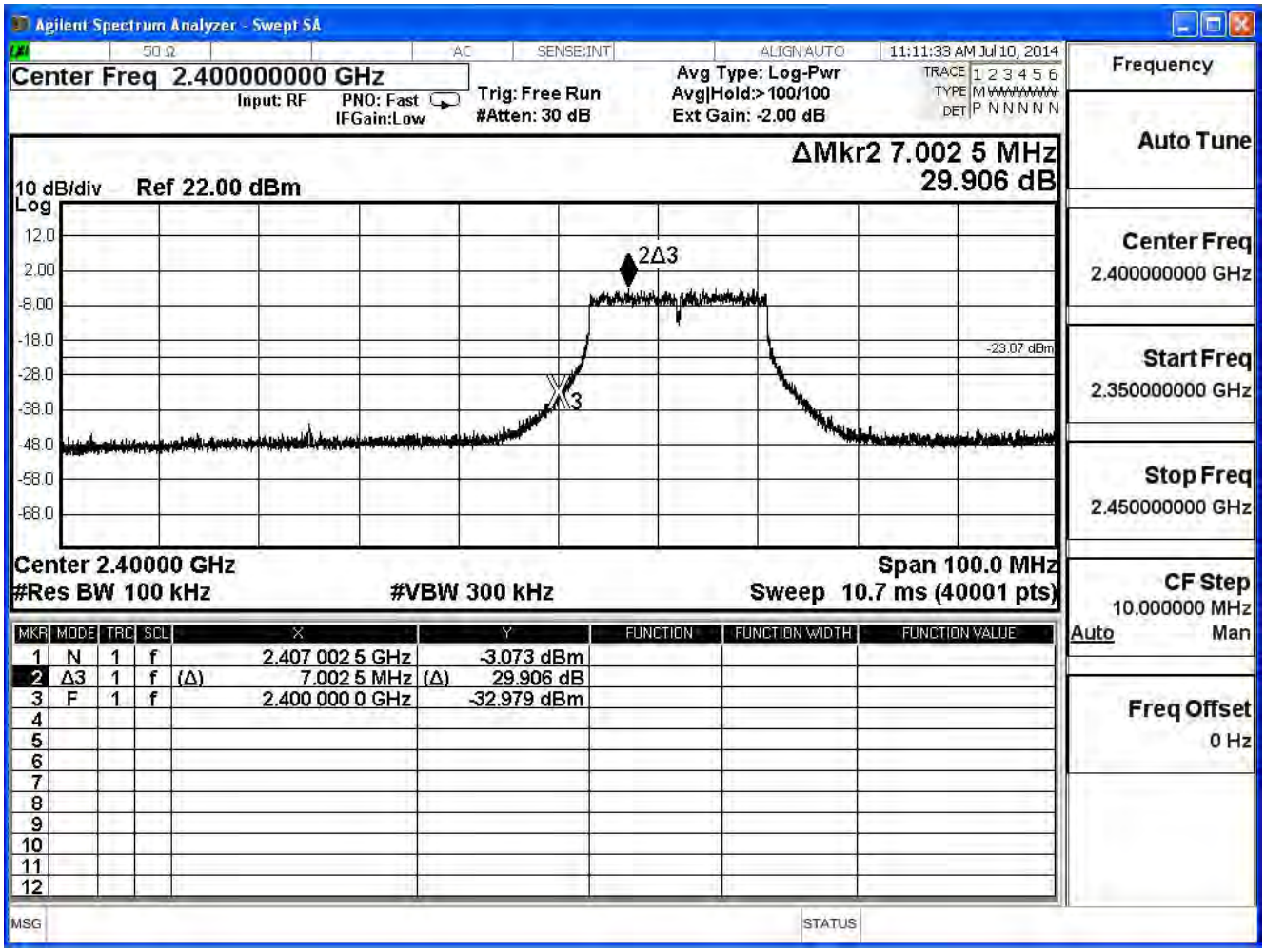
Channel 11 (2462MHz)



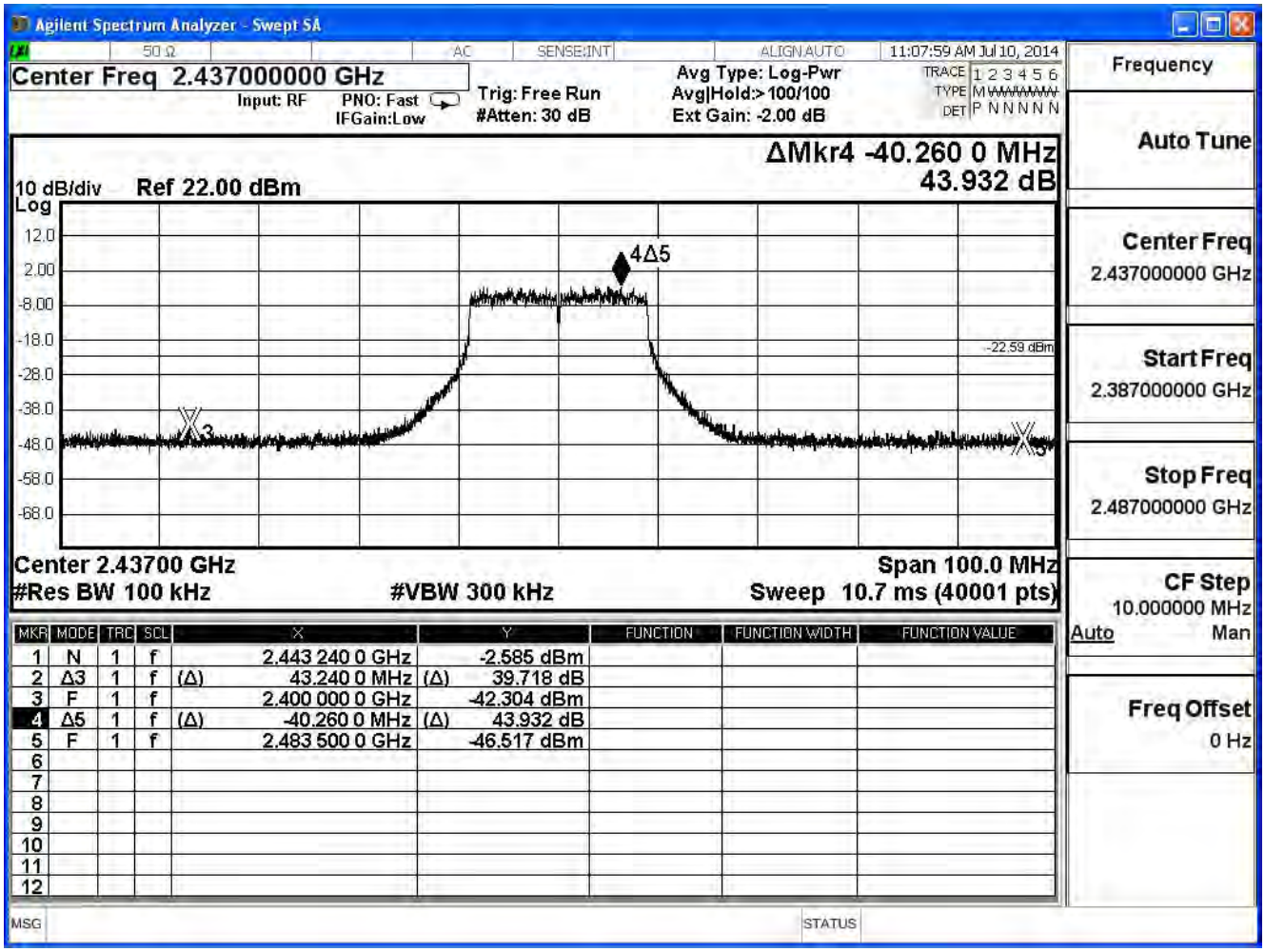
Product	Wireless Outdoor Access Point		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2014/07/09	Test Site	SR7

IEEE 802.11n (20MHz), ANT 1, Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	29.906	≧20	Pass
6	2437	39.718	≧20	Pass
11	2462	40.583	≧20	Pass

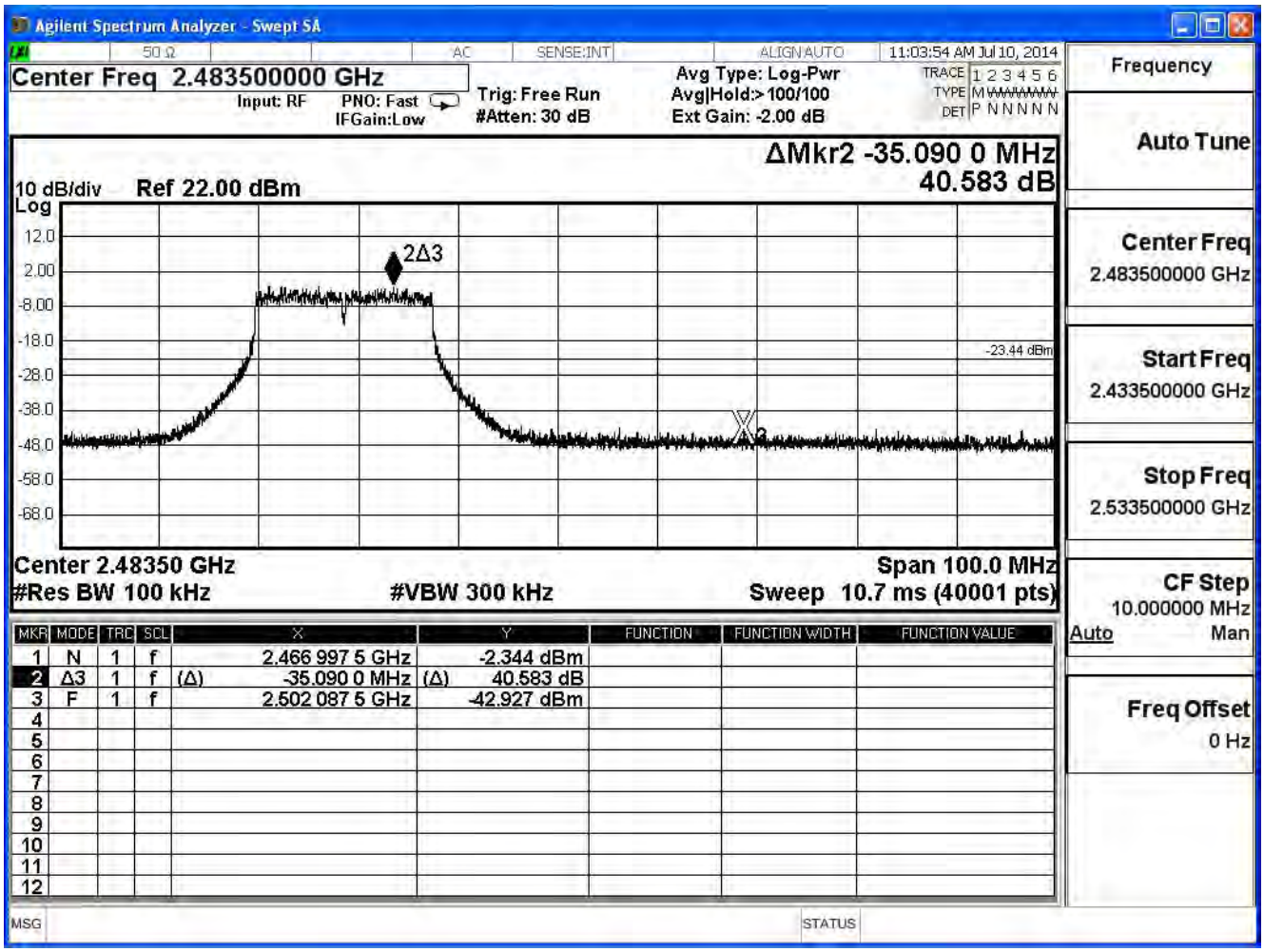
Channel 1 (2412MHz)



Channel 6 (2437MHz)



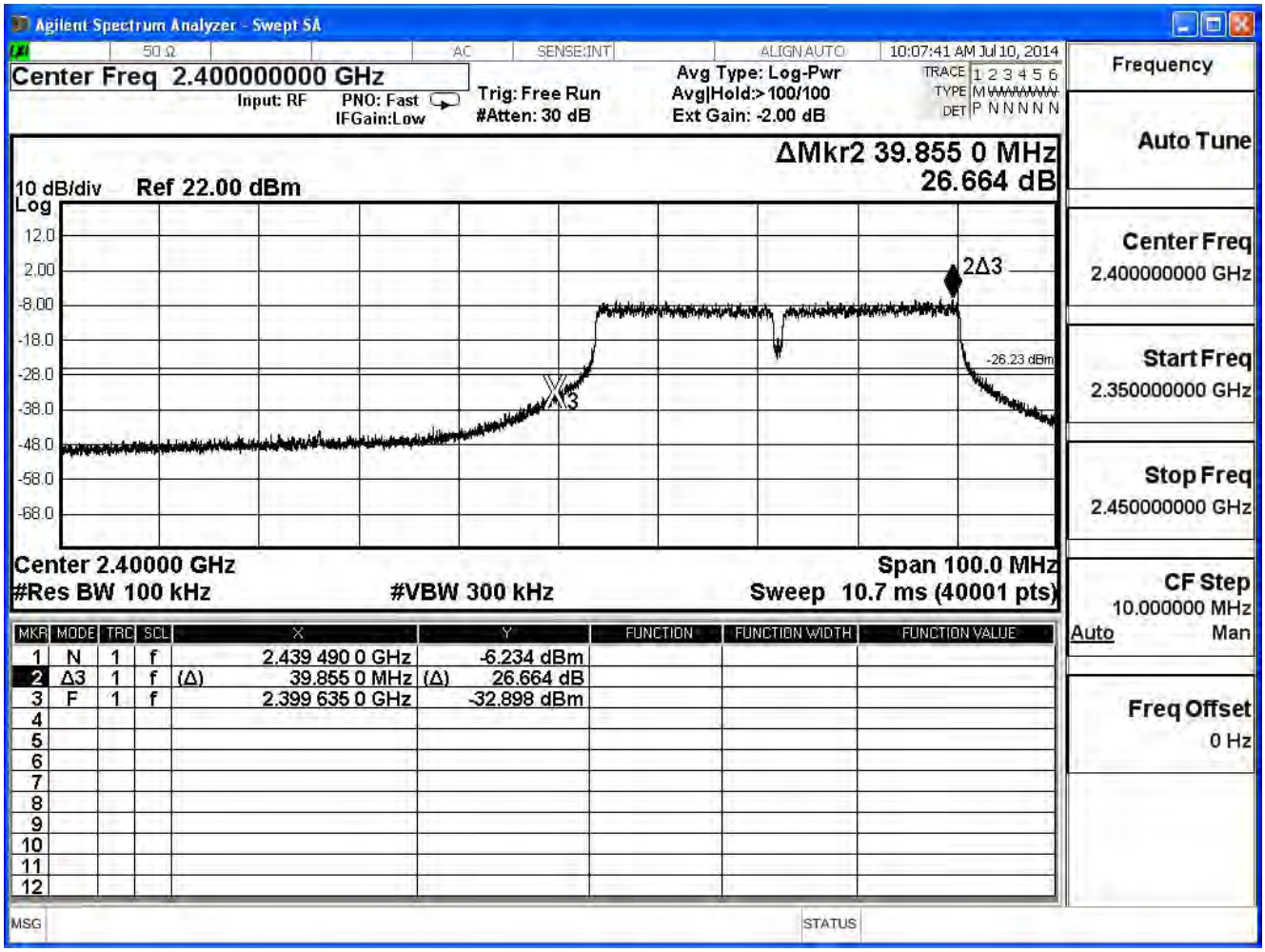
Channel 11 (2462MHz)



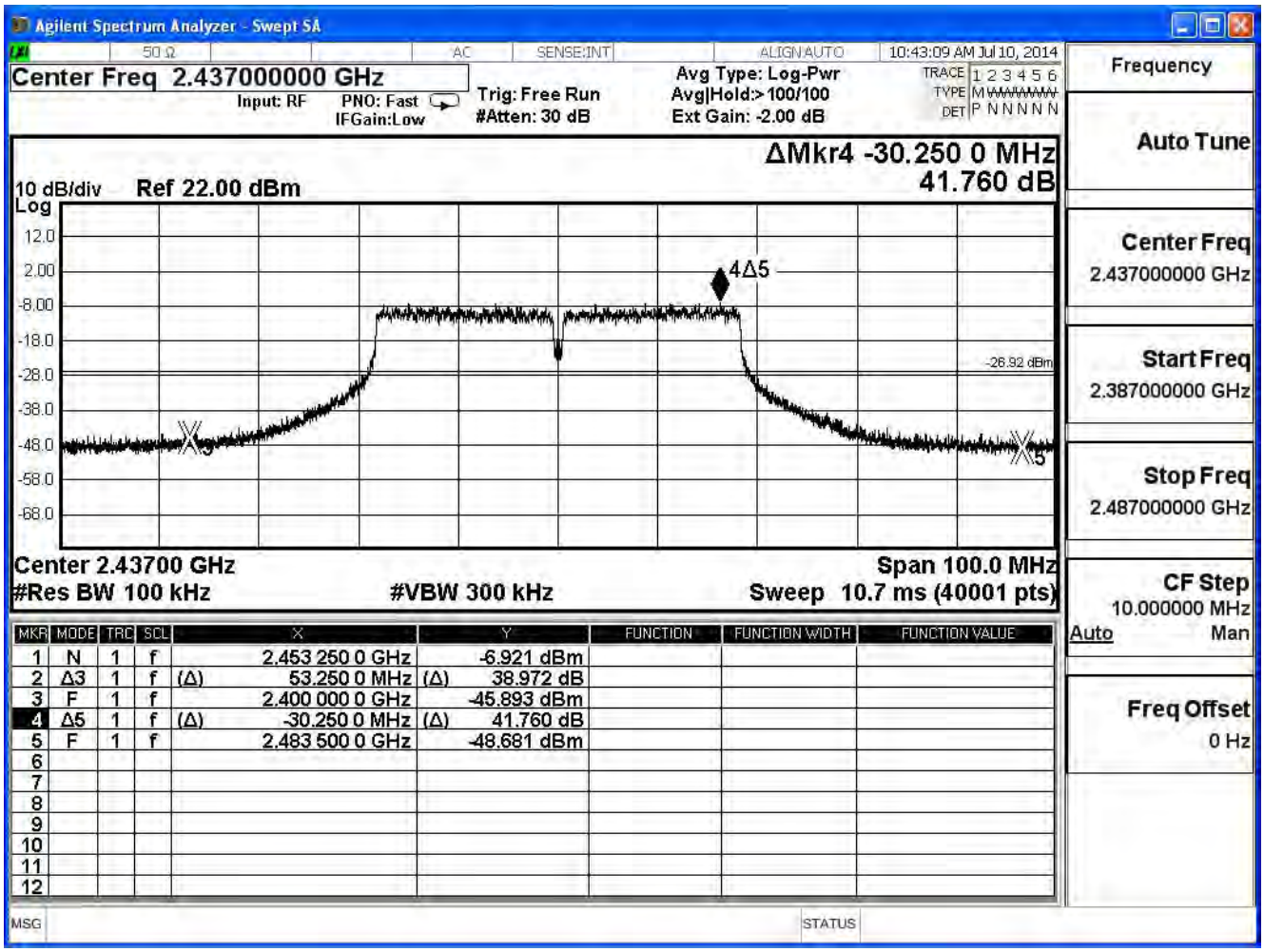
Product	Wireless Outdoor Access Point		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2014/07/09	Test Site	SR7

IEEE 802.11n (40MHz), ANT 0, Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	26.664	≧20	Pass
6	2437	38.972	≧20	Pass
9	2452	38.413	≧20	Pass

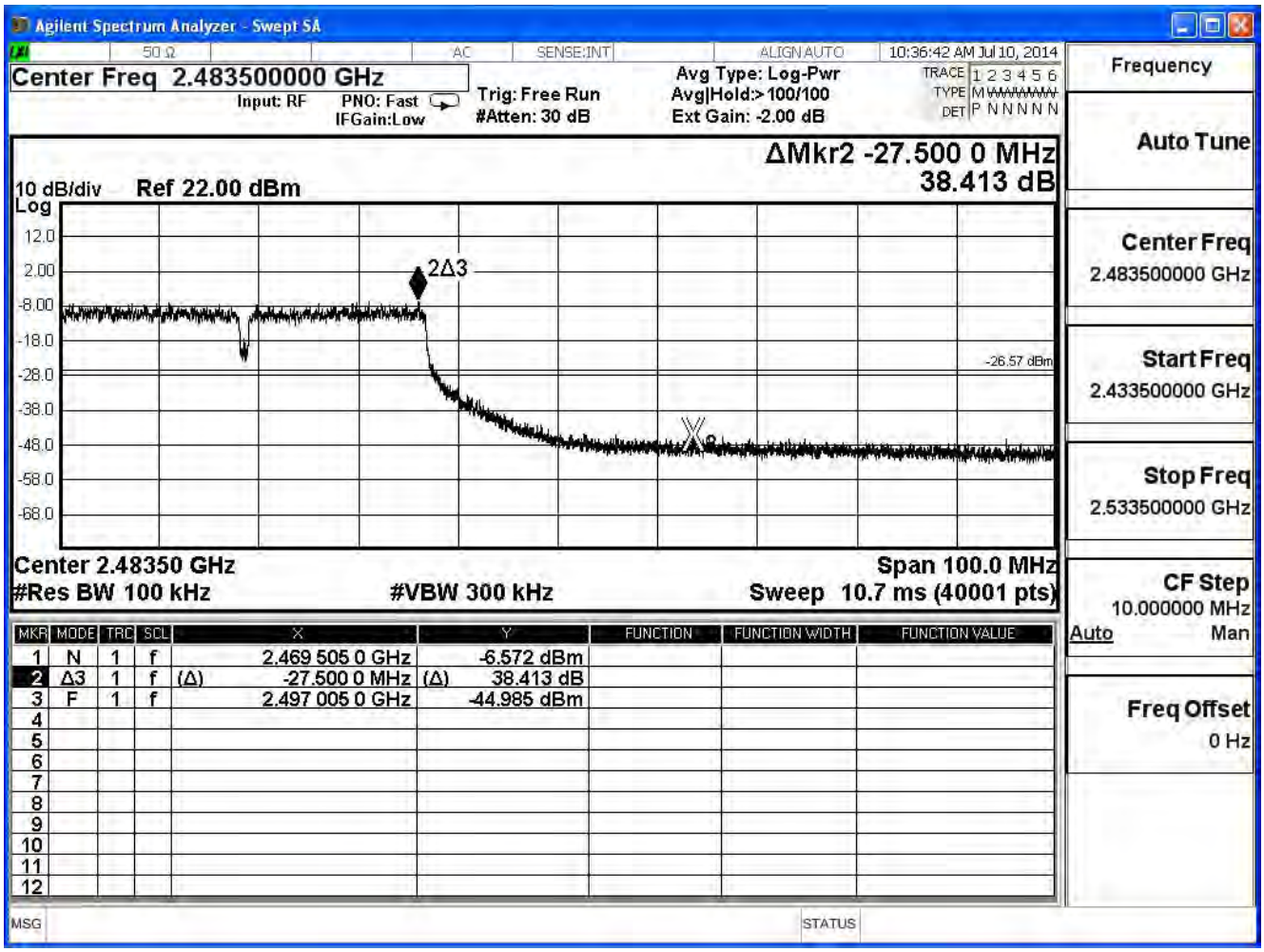
Channel 3 (2422MHz)



Channel 6 (2437MHz)



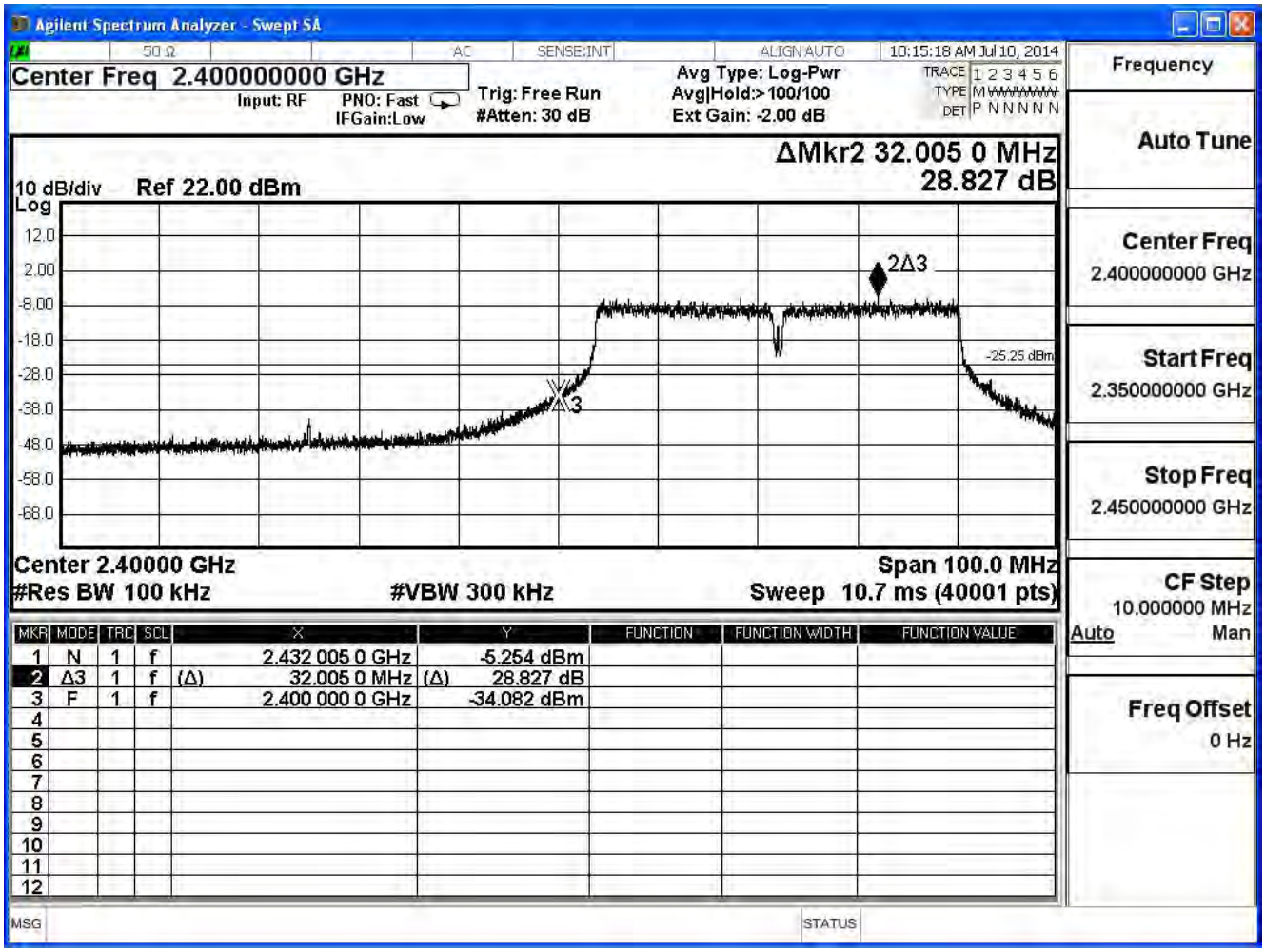
Channel 9 (2452MHz)



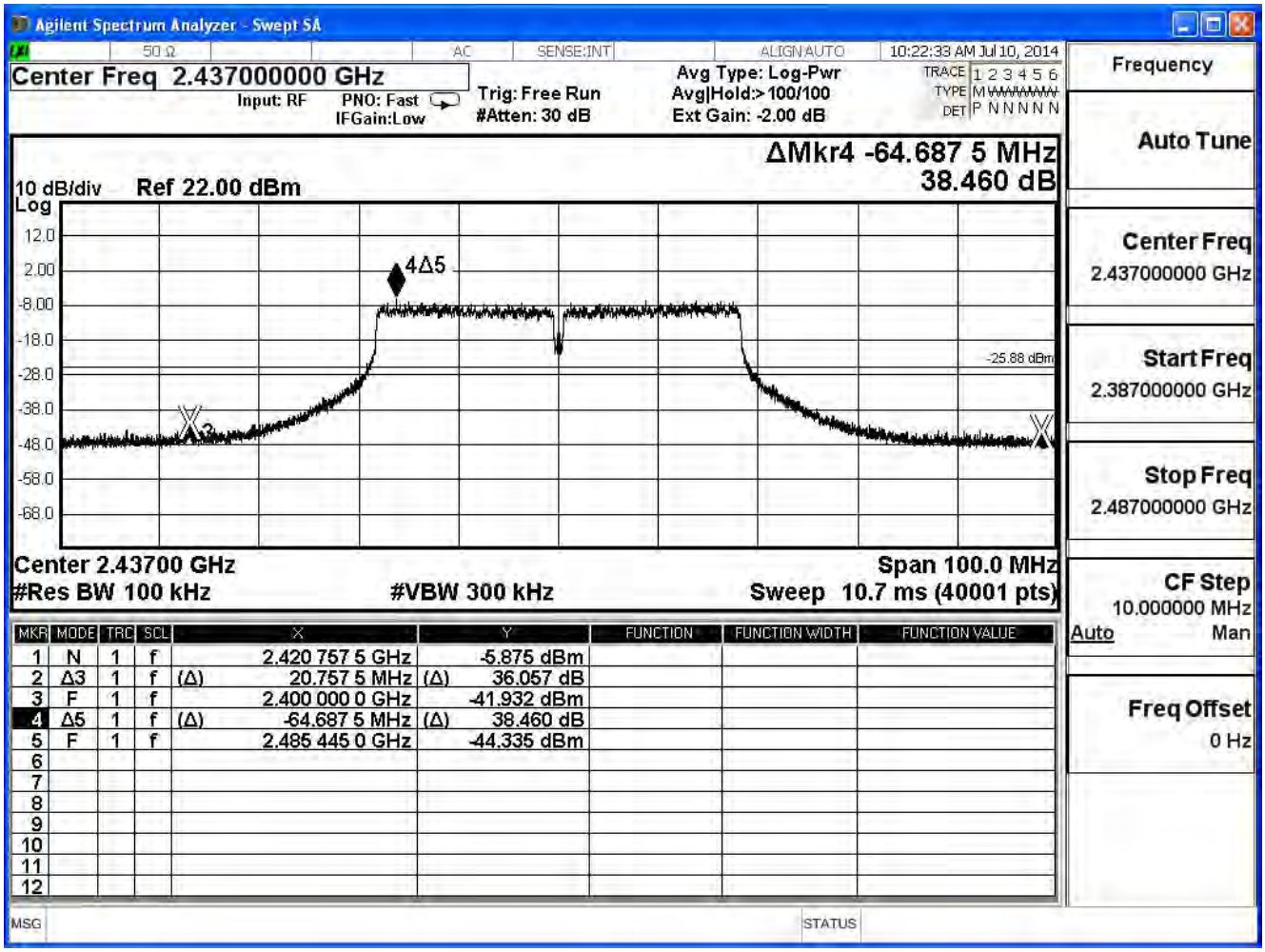
Product	Wireless Outdoor Access Point		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2014/07/09	Test Site	SR7

IEEE 802.11n (40MHz), ANT 1, Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	28.827	≧20	Pass
6	2437	36.057	≧20	Pass
9	2452	36.308	≧20	Pass

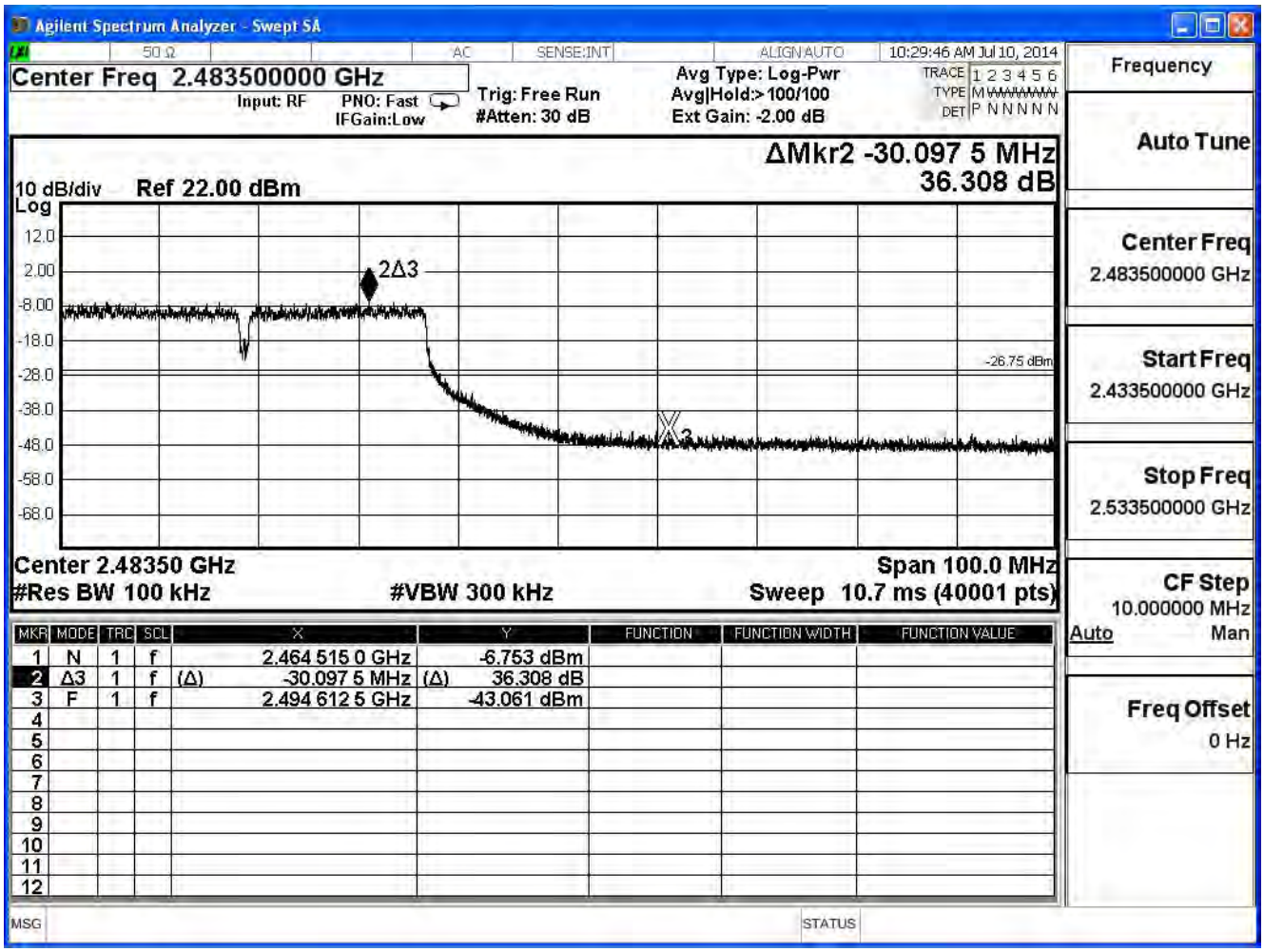
Channel 3 (2422MHz)



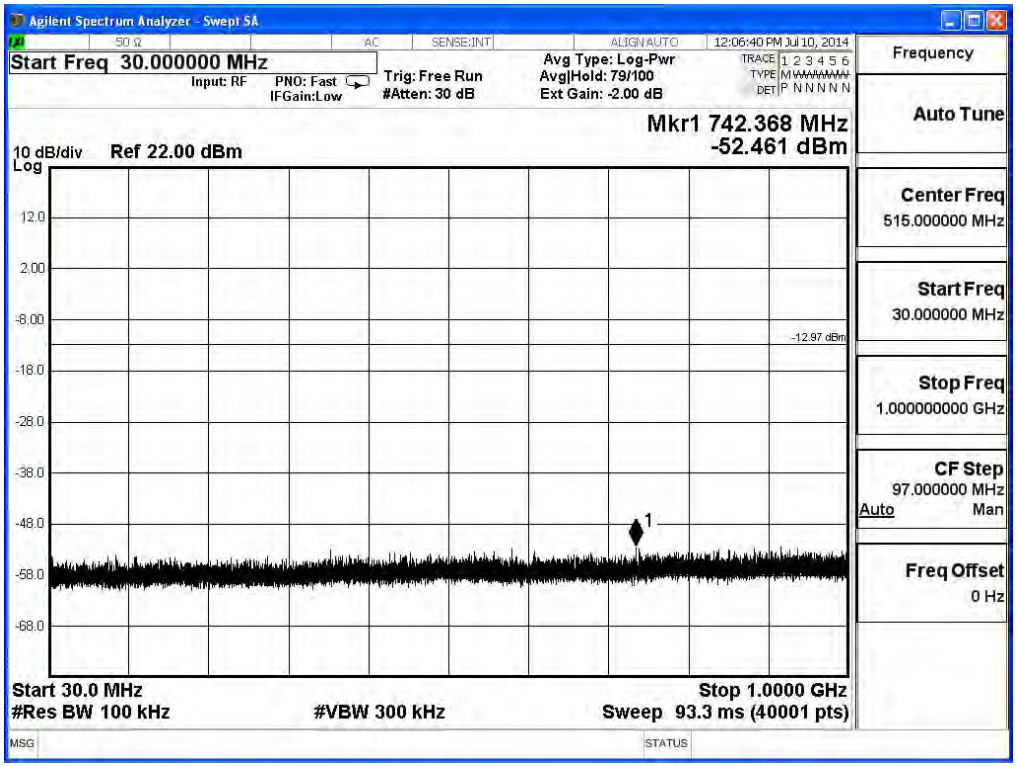
Channel 6 (2437MHz)



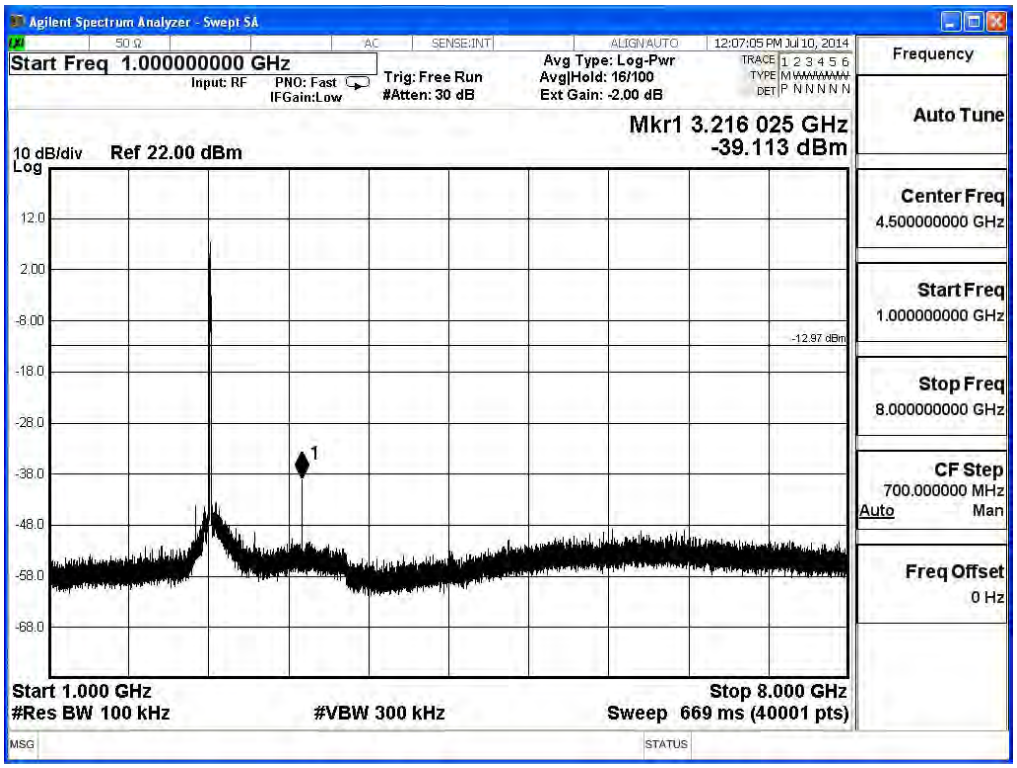
Channel 9 (2452MHz)



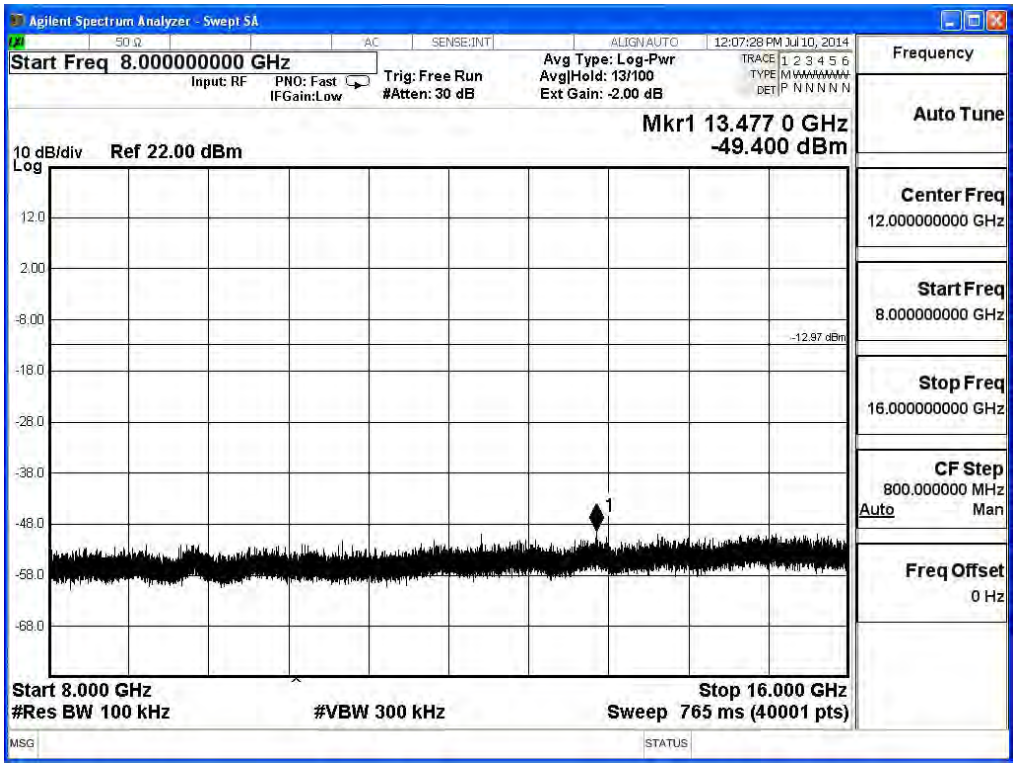
2412MHz (30MHz-1GHz)-802.11b



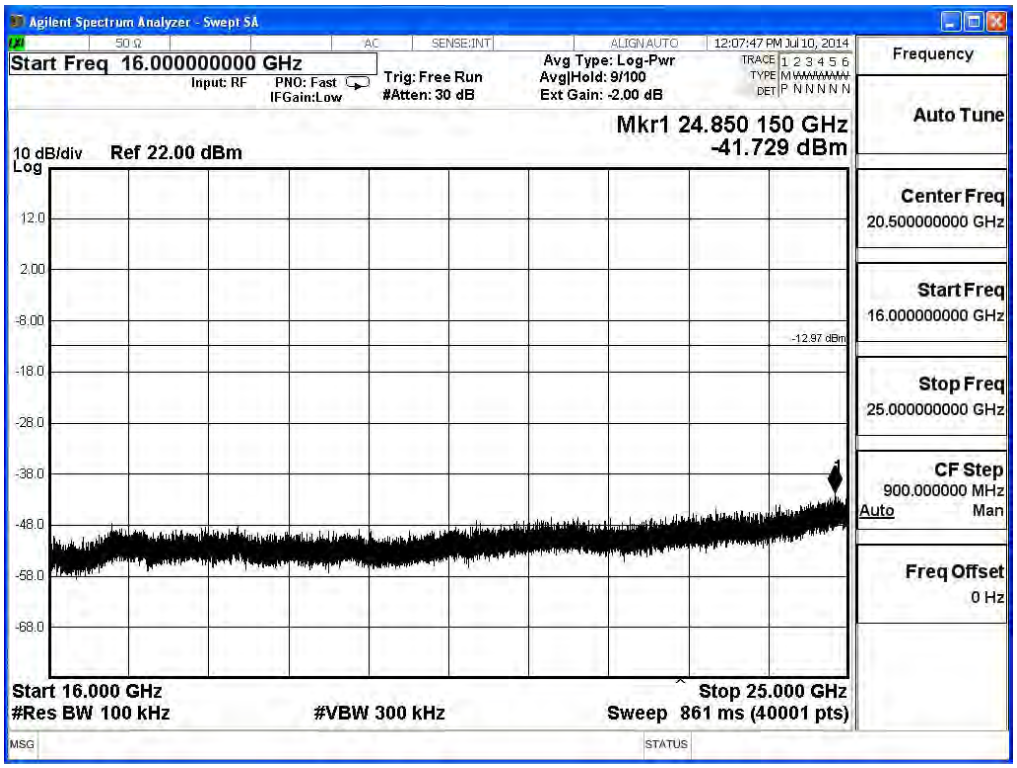
2412MHz (1GHz-8GHz) -802.11b



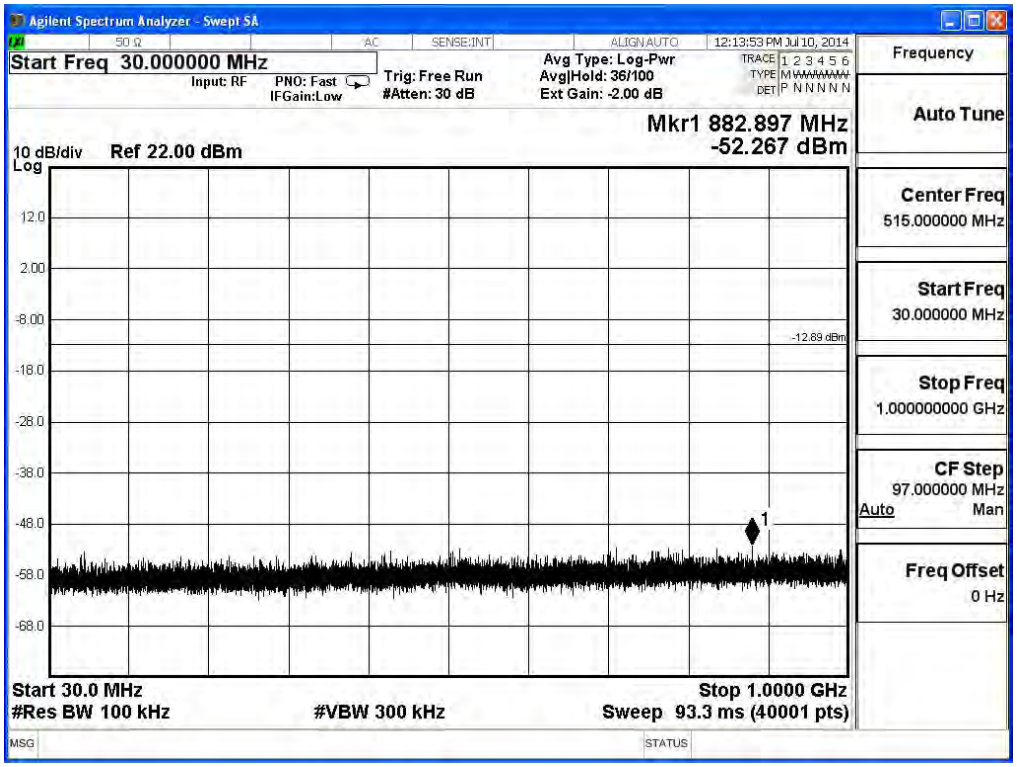
2412MHz (8GHz-16GHz)-802.11b



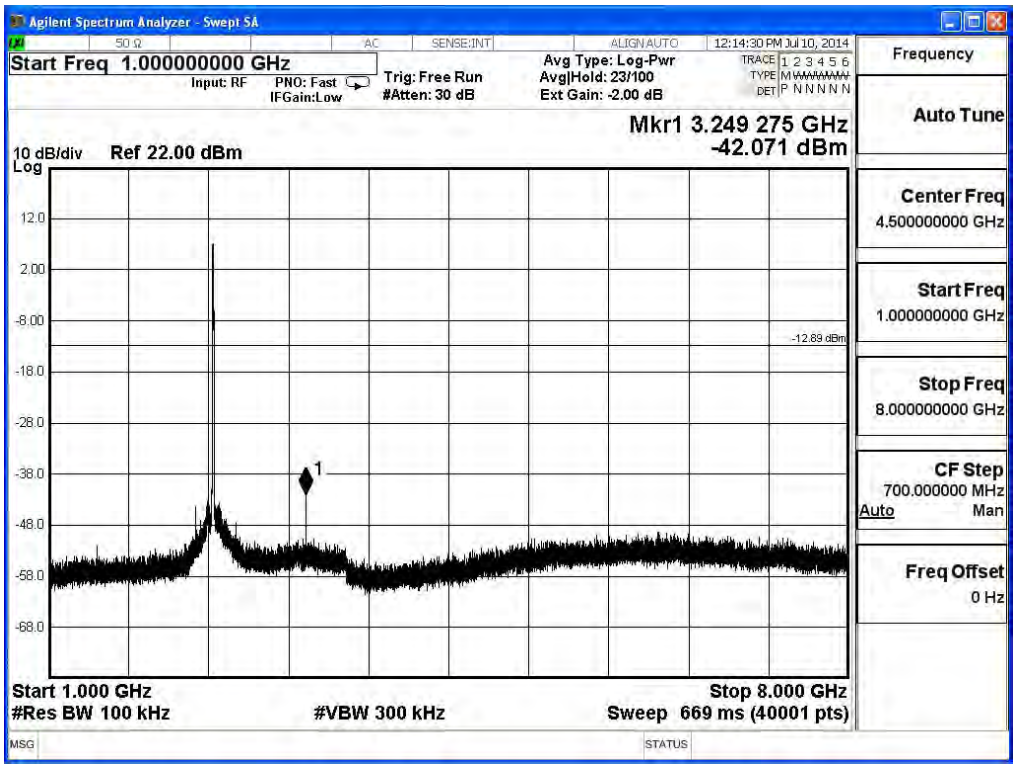
2412MHz (16GHz-25GHz) -802.11b



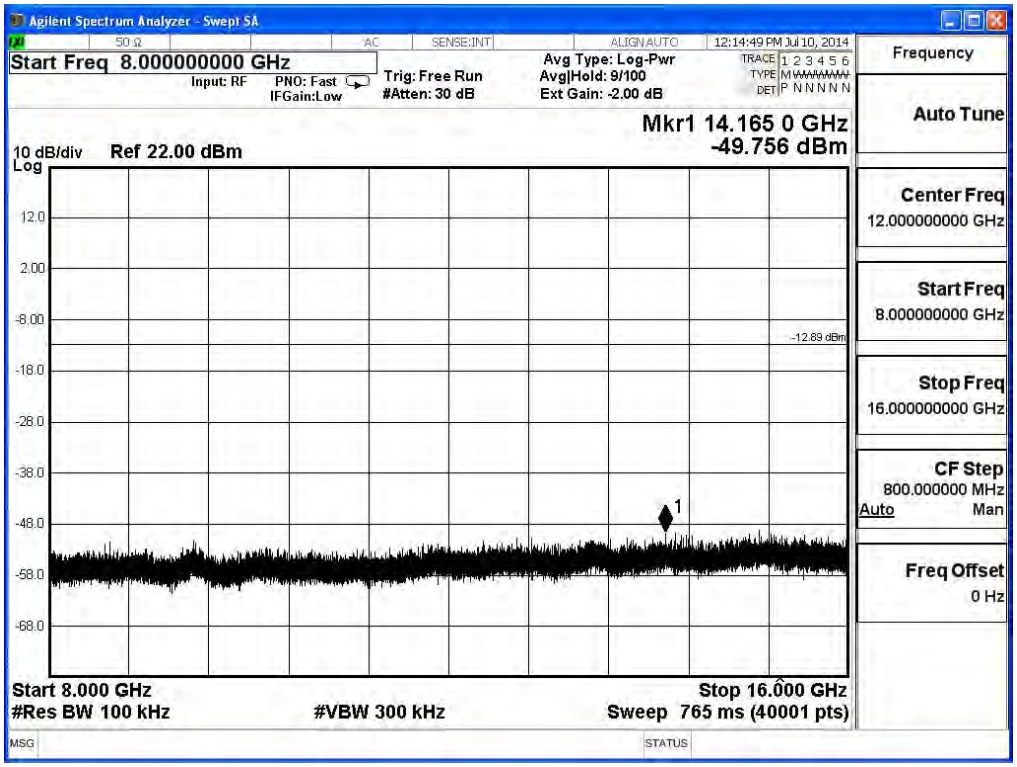
2437MHz (30MHz-1GHz) -802.11b



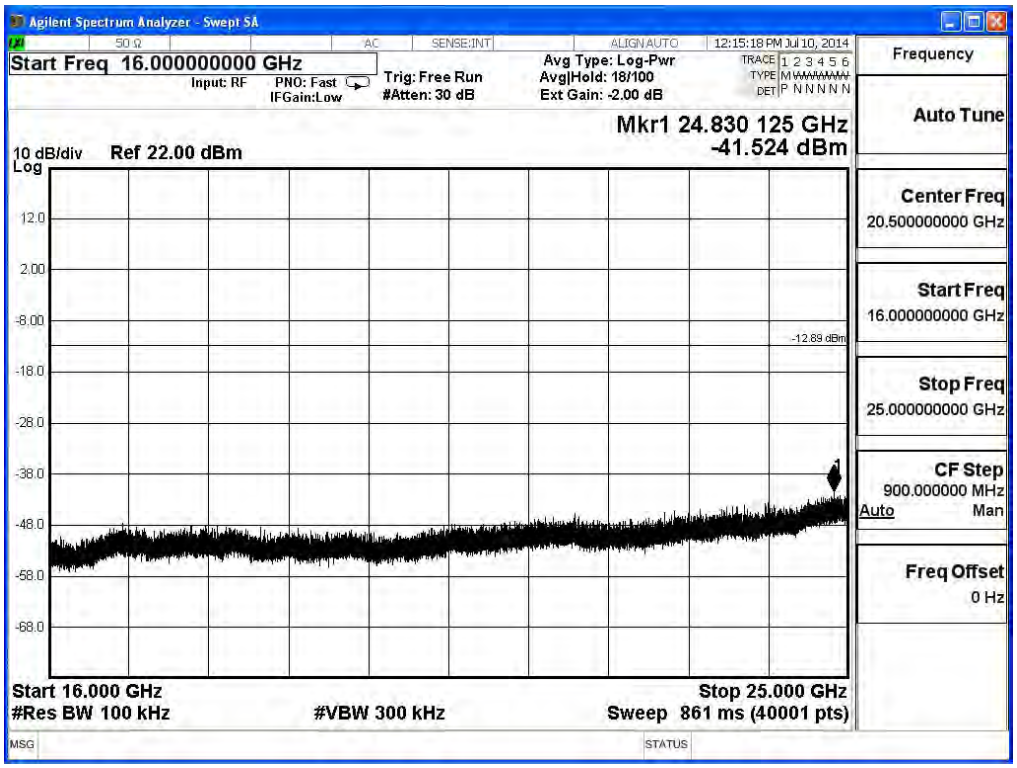
2437MHz (1GHz-8GHz)-802.11b



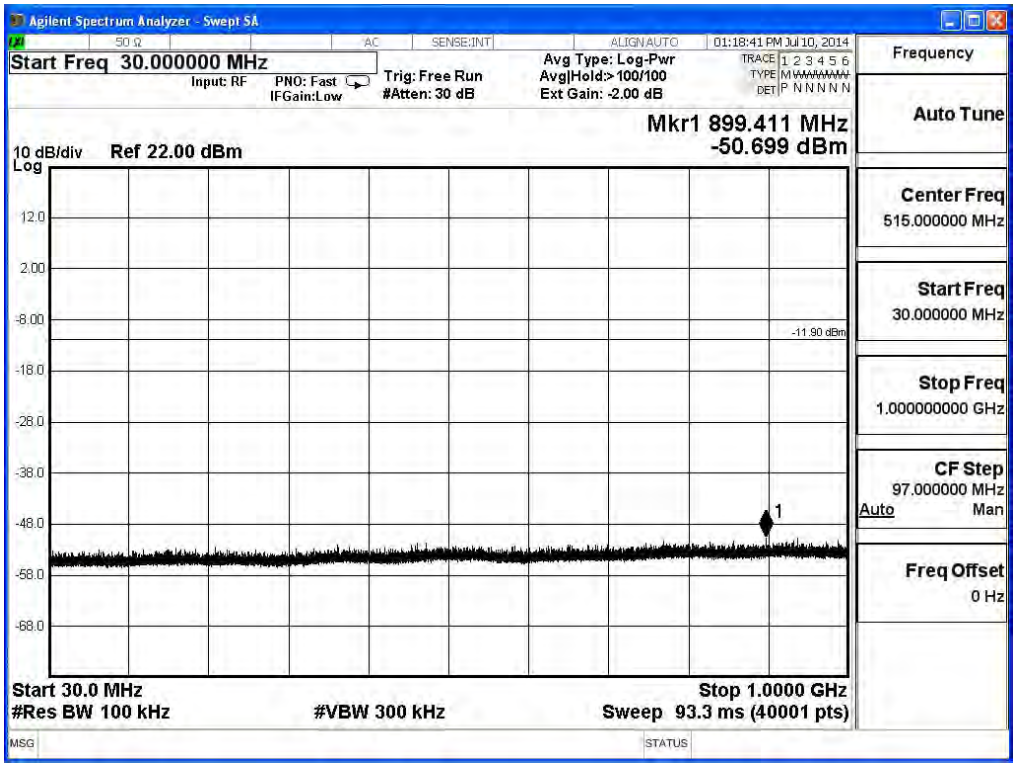
2437MHz (8GHz-16GHz) -802.11b



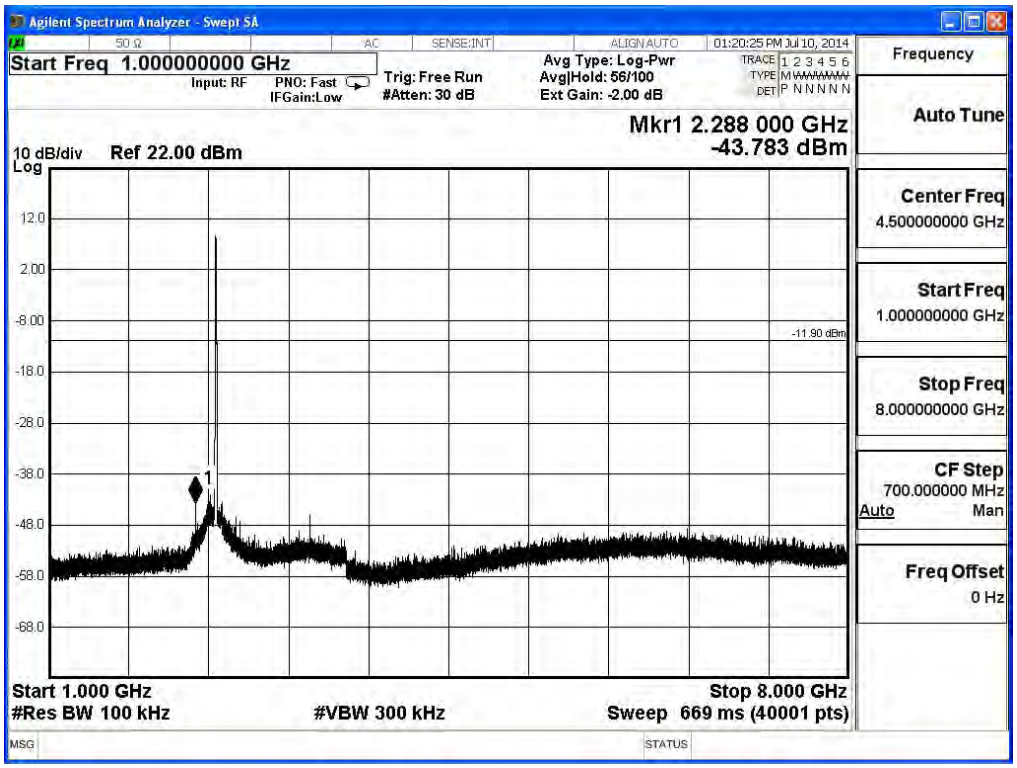
2437MHz (16GHz-25GHz)-802.11b



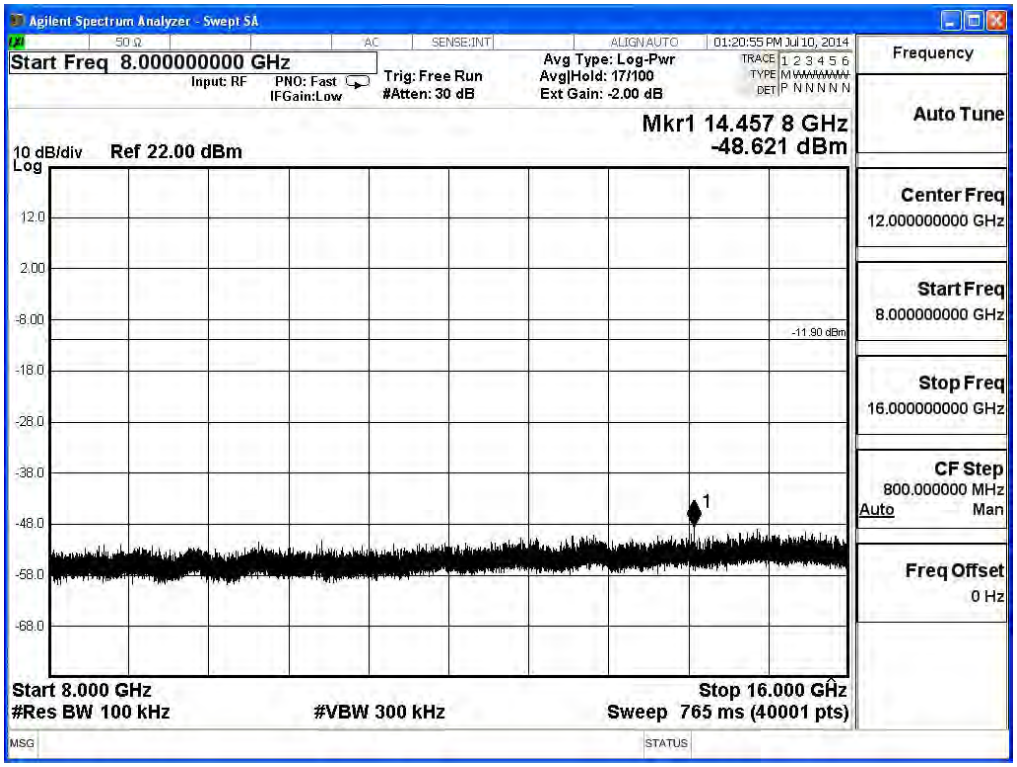
2462MHz (30MHz-1GHz)-802.11b



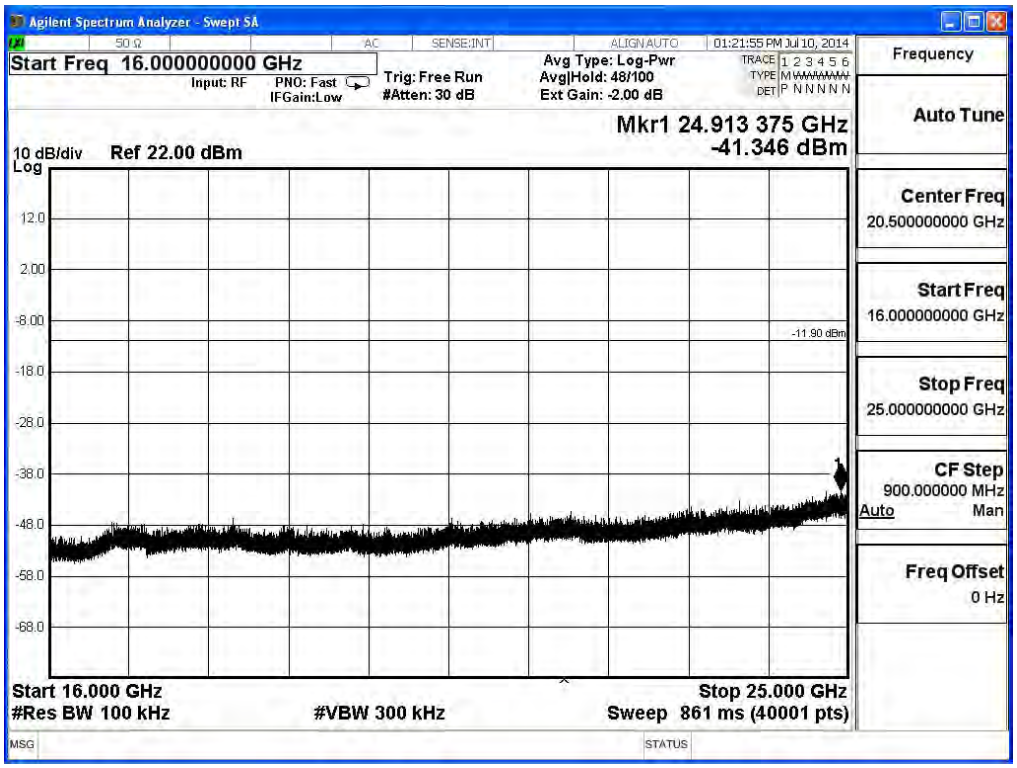
2462MHz (1GHz-8GHz) -802.11b



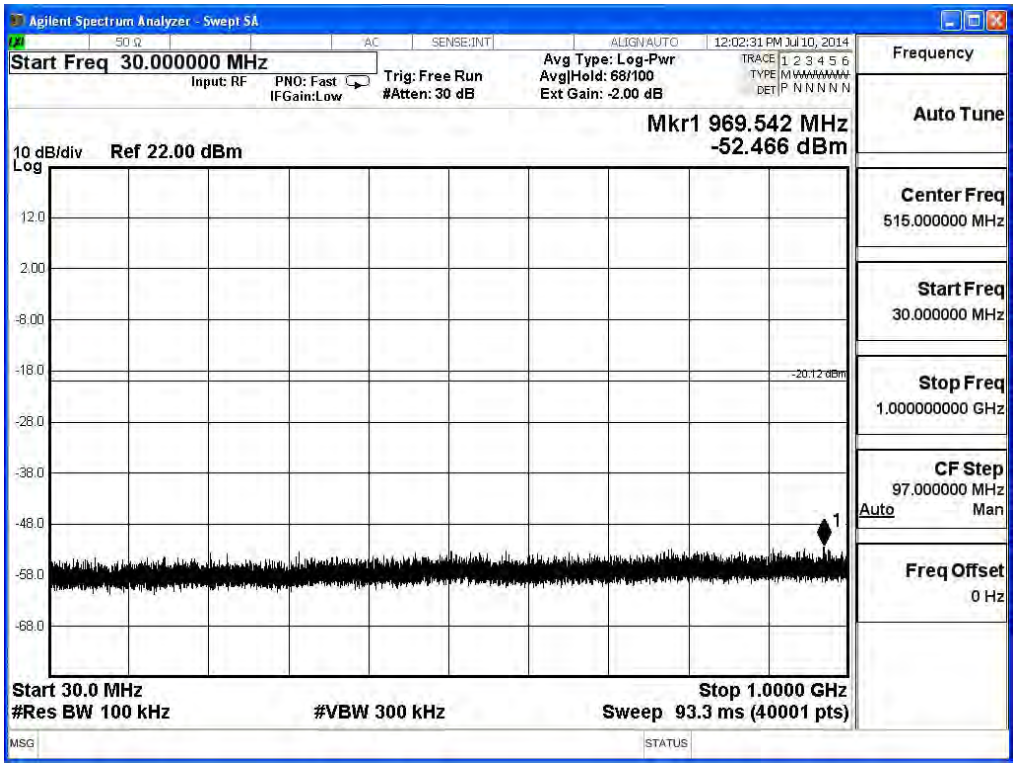
2462MHz (8GHz-16GHz)-802.11b



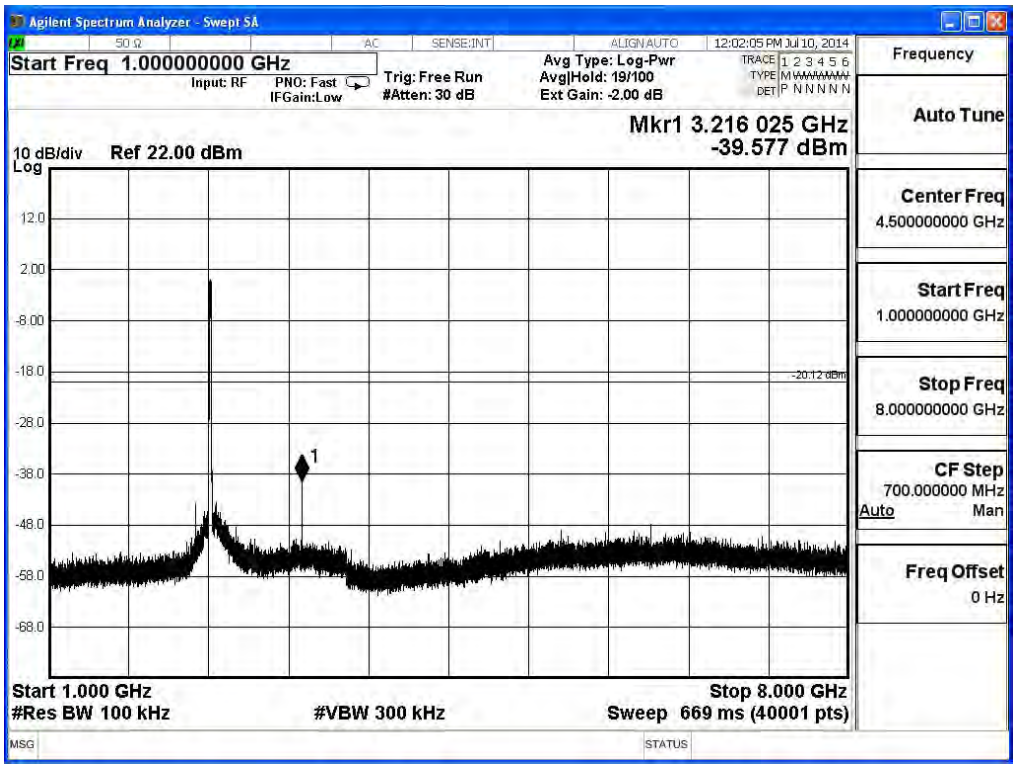
2462MHz (16GHz-25GHz) -802.11b



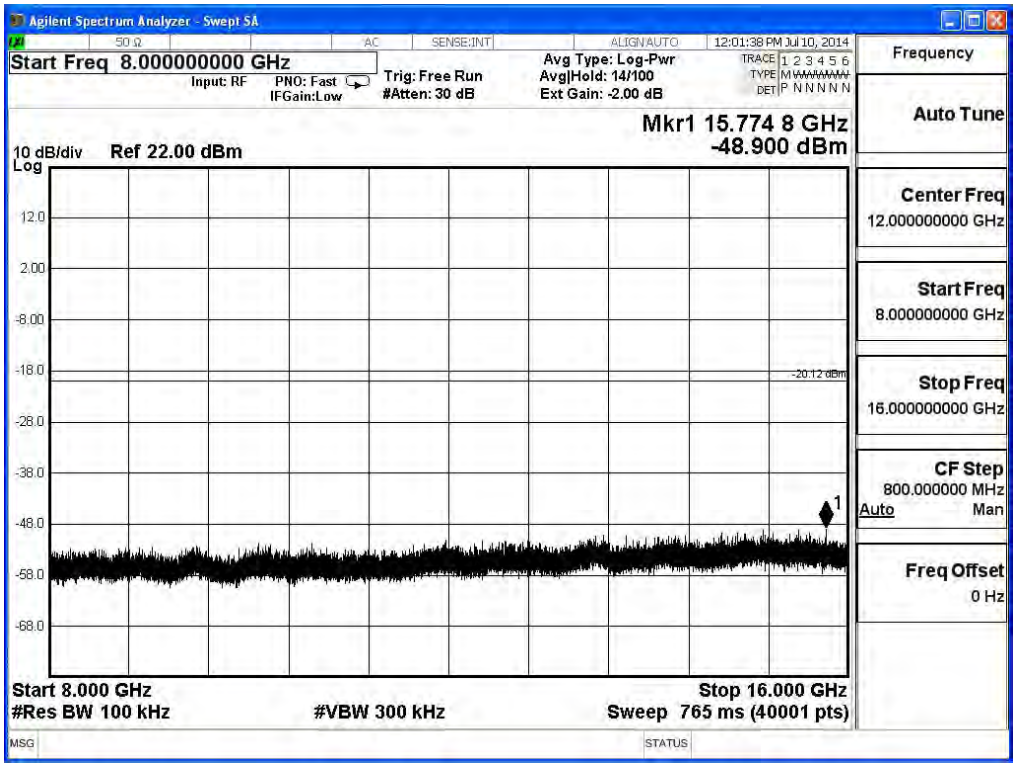
2412MHz (30MHz-1GHz) -802.11g



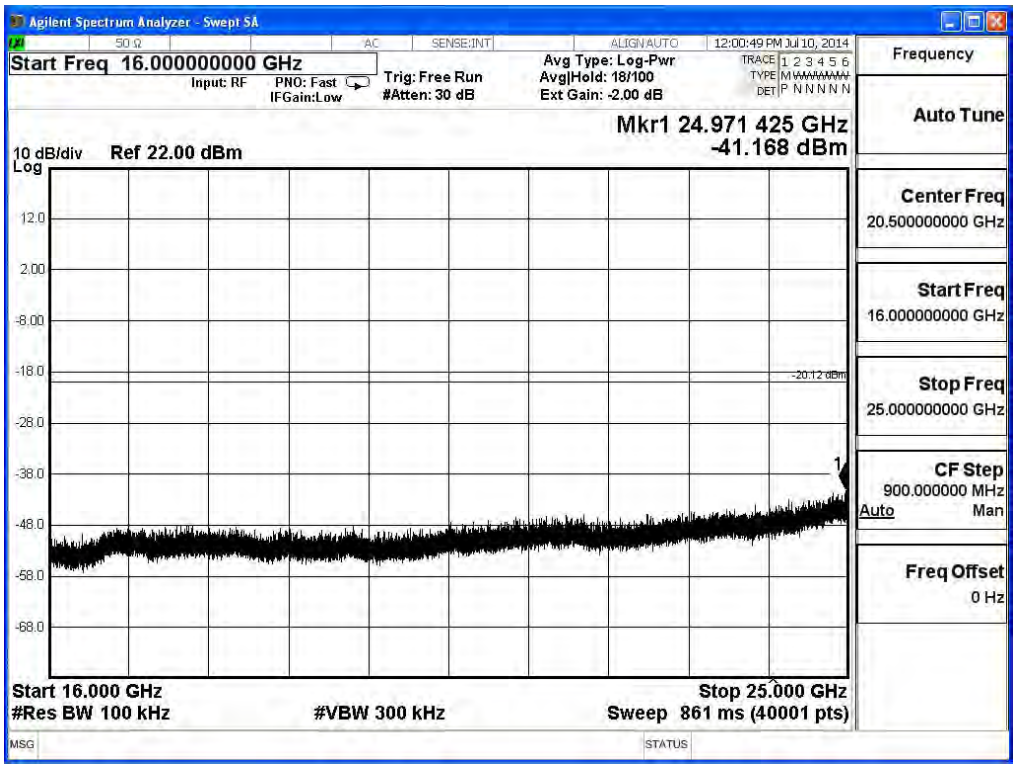
2412MHz (1GHz-8GHz)-802.11g



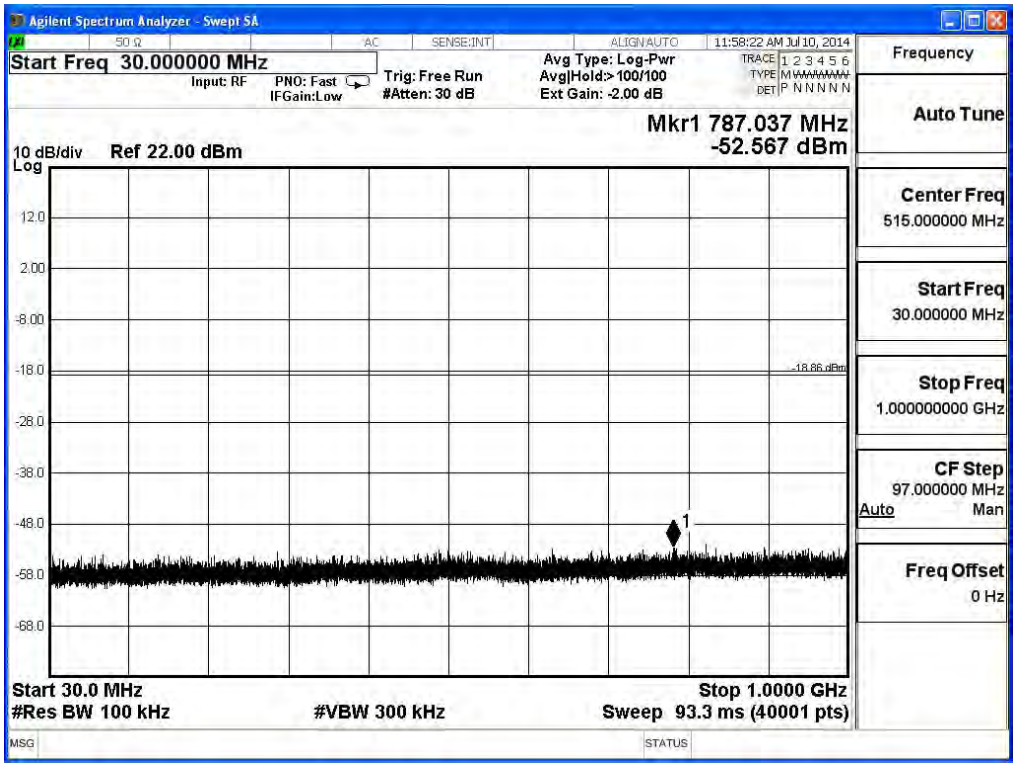
2412MHz (8GHz-16GHz) -802.11g



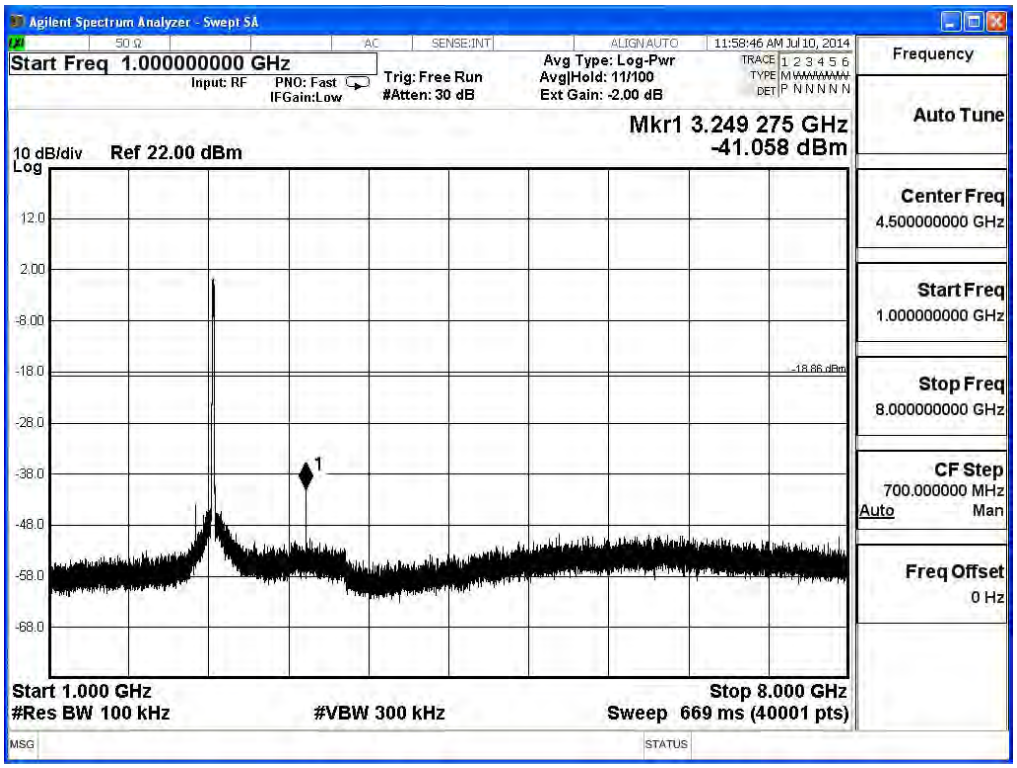
2412MHz (16GHz-25GHz)-802.11g



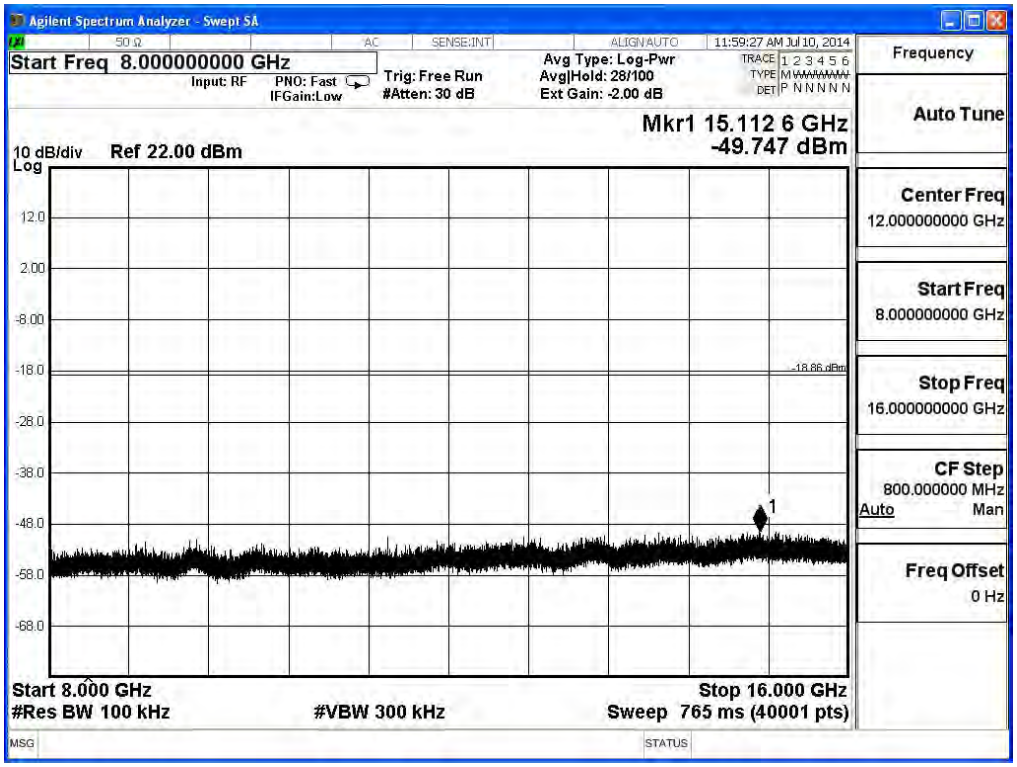
2437MHz (30MHz-1GHz)-802.11g



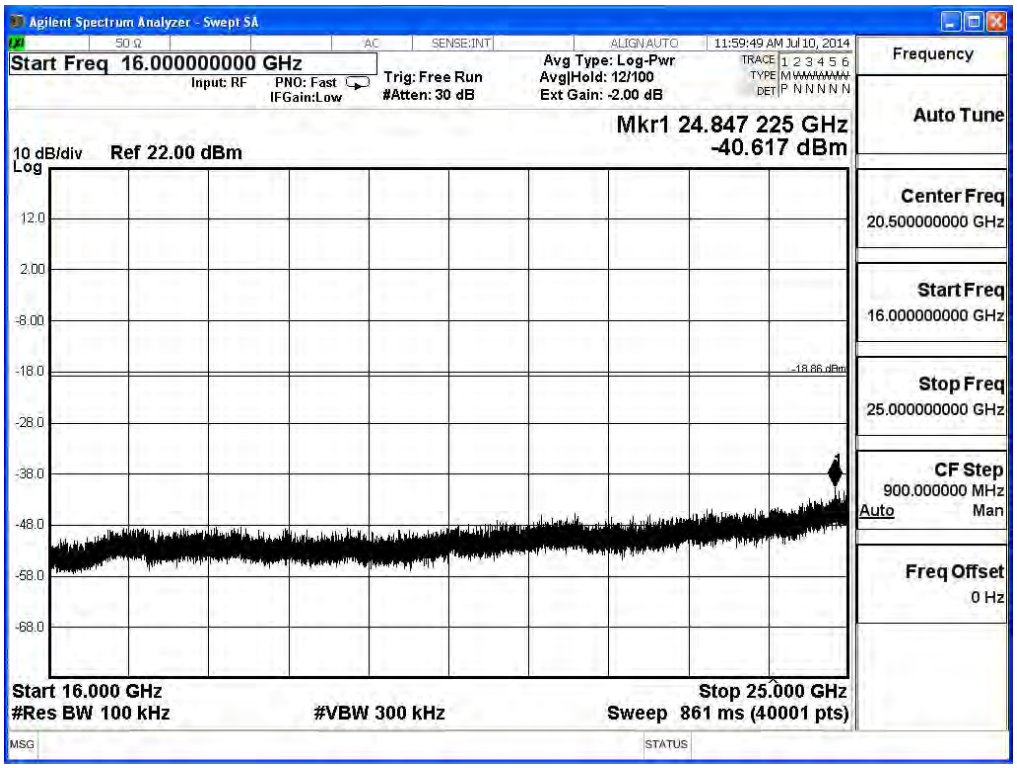
2437MHz (1GHz-8GHz) -802.11g



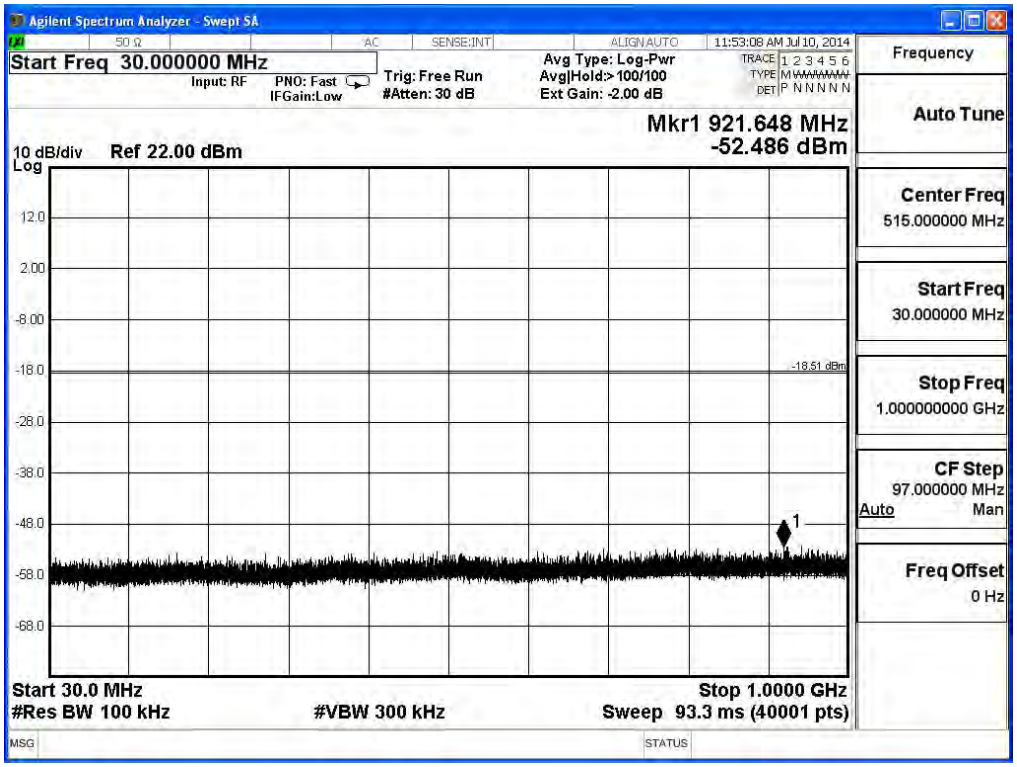
2437MHz (8GHz-16GHz)-802.11g



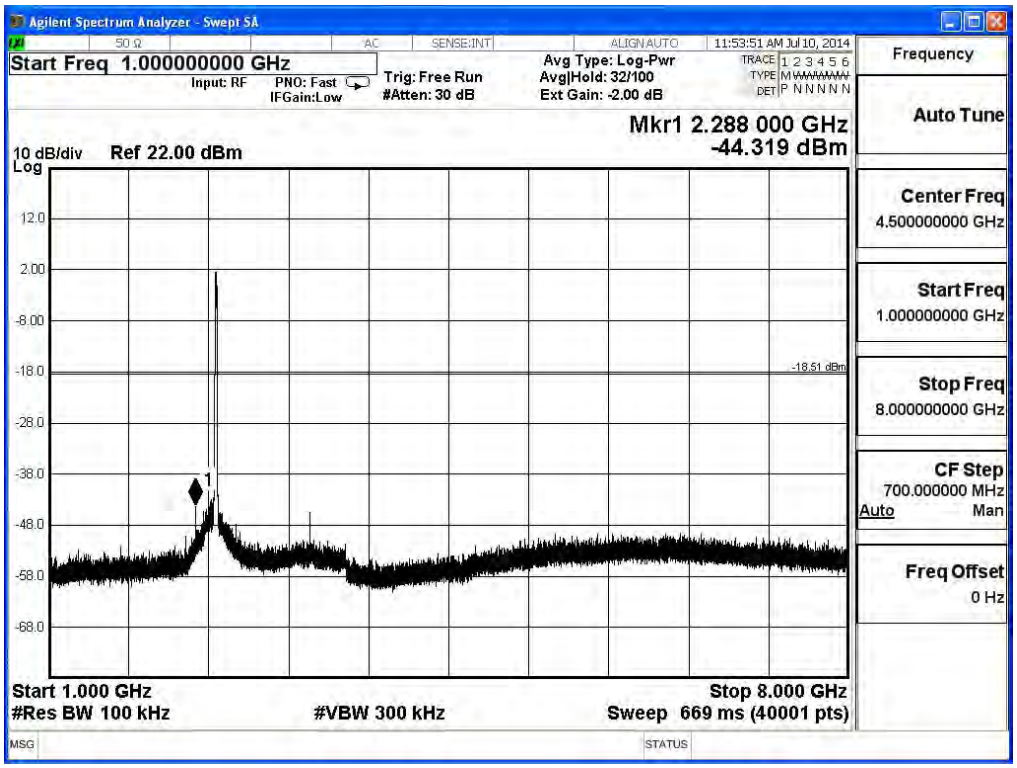
2437MHz (16GHz-25GHz) -802.11g



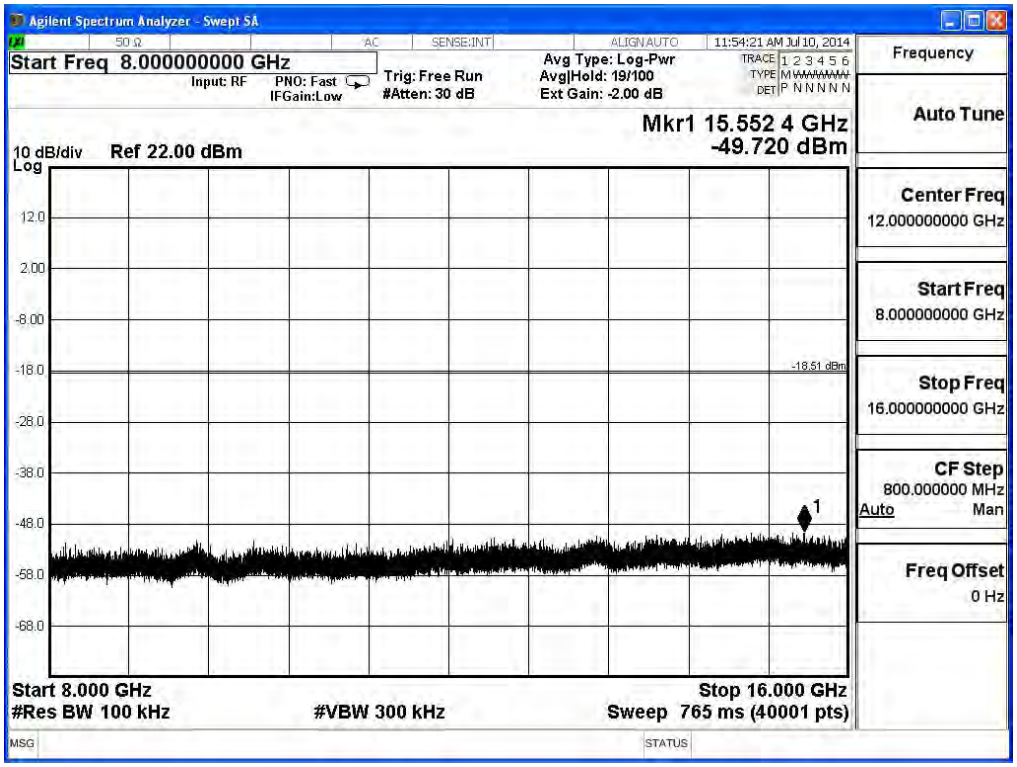
2462MHz (30MHz-1GHz) -802.11g



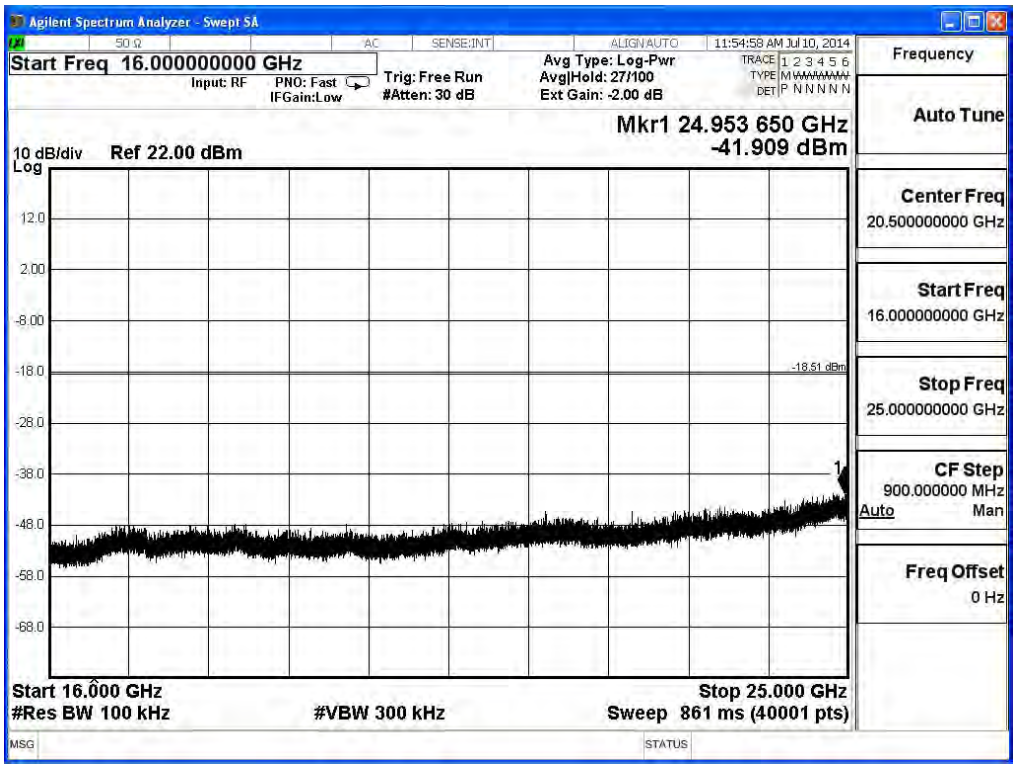
2462MHz (1GHz-8GHz)-802.11g



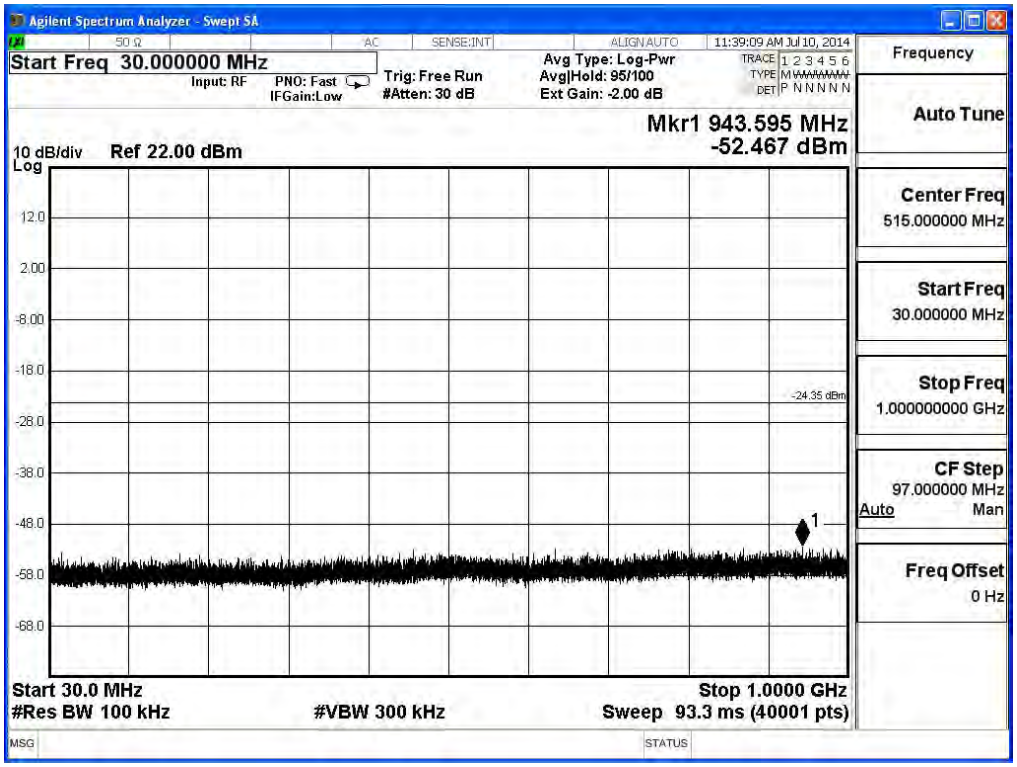
2462MHz (8GHz-16GHz) -802.11g



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



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



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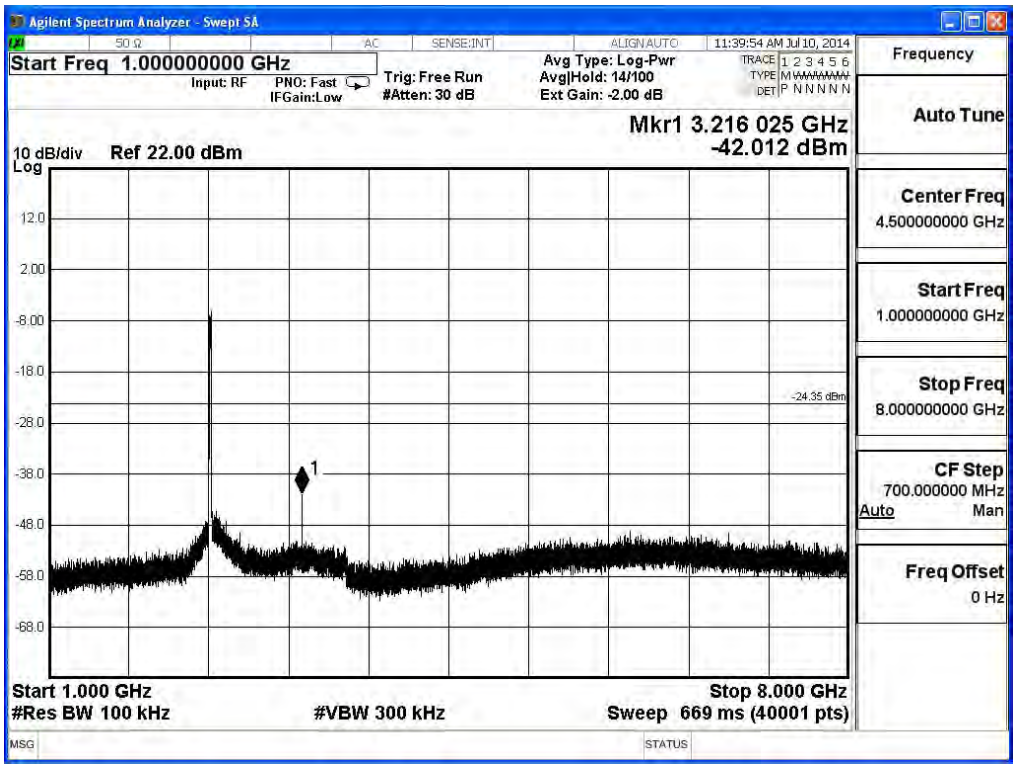

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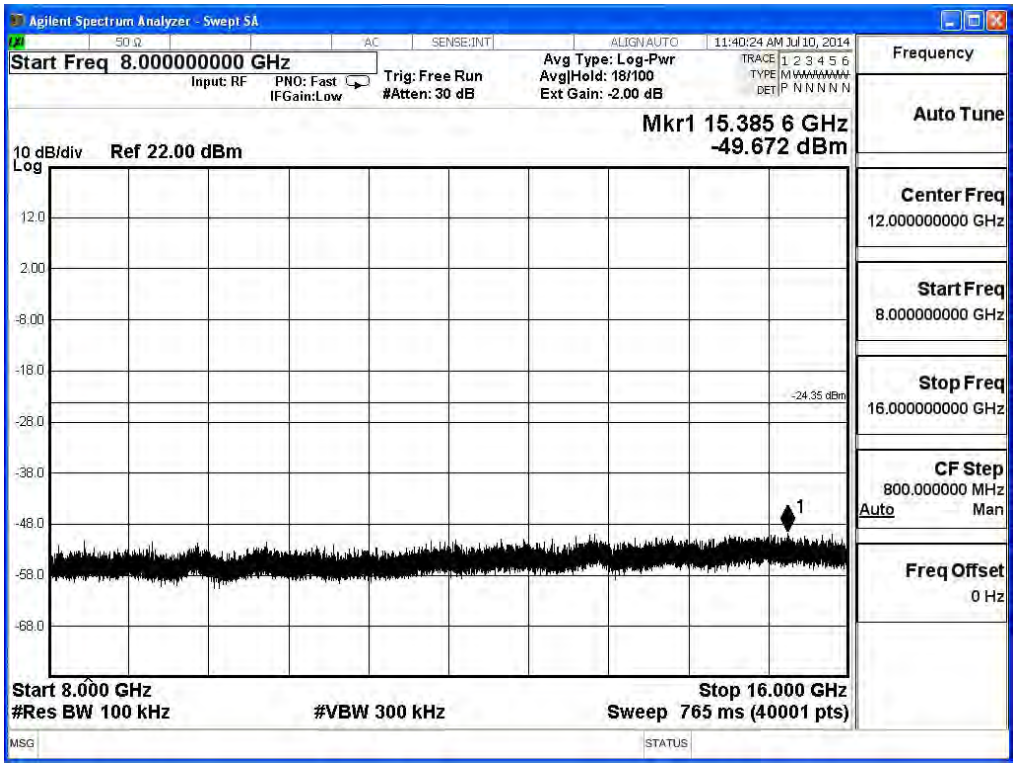

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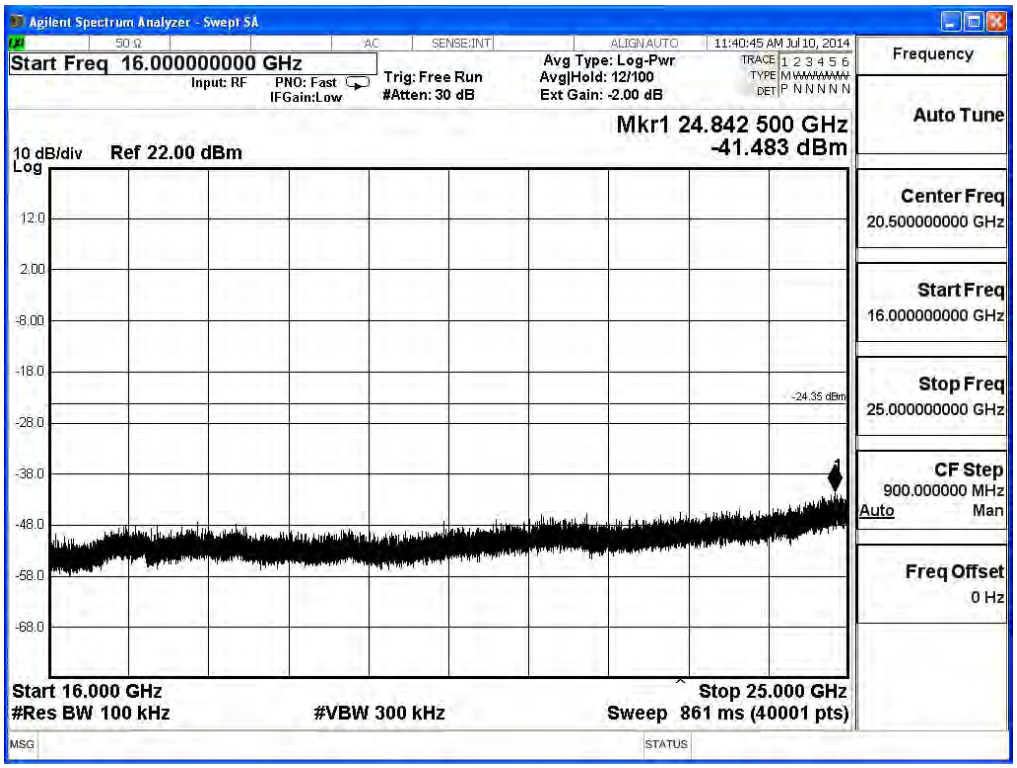

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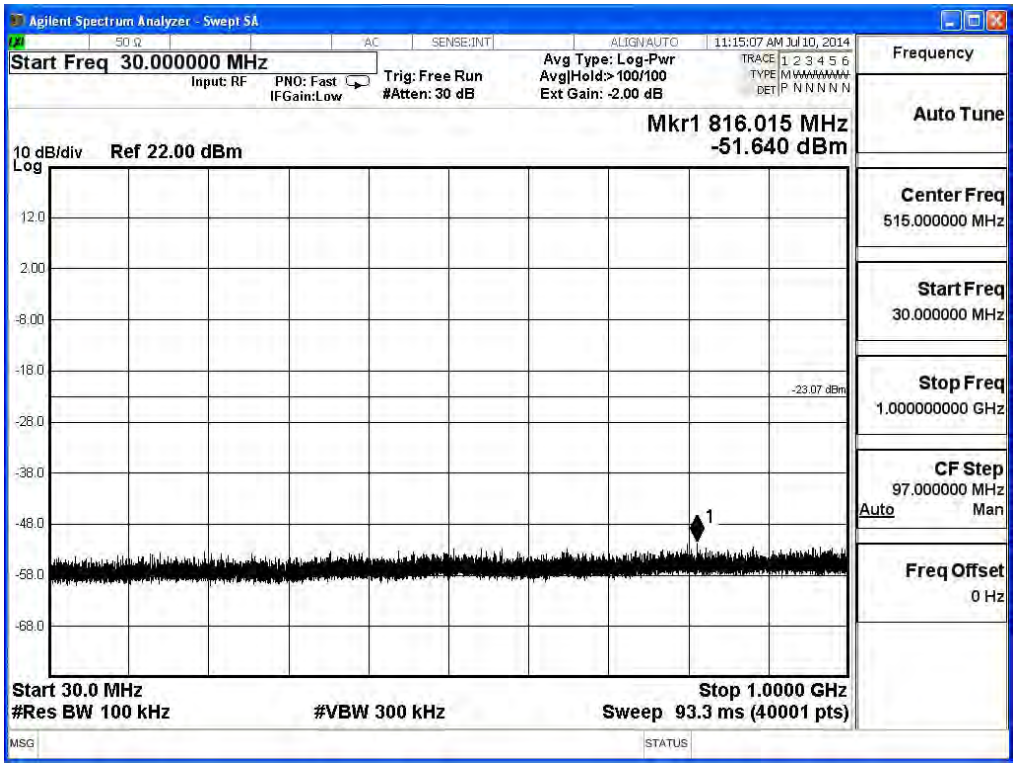

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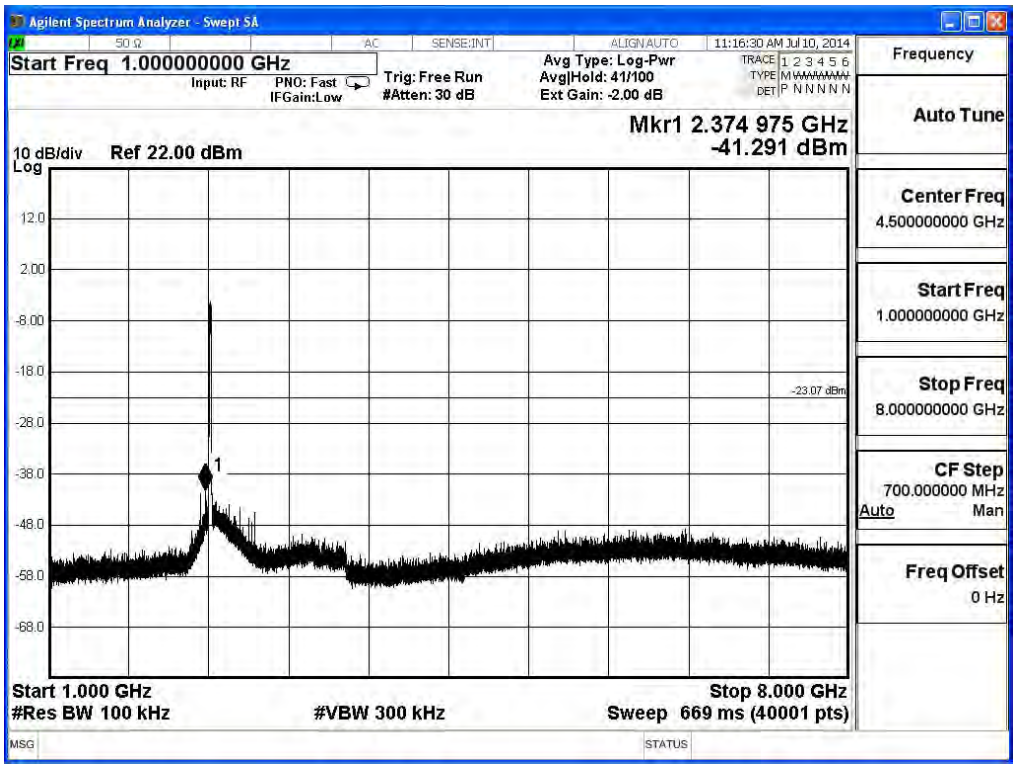

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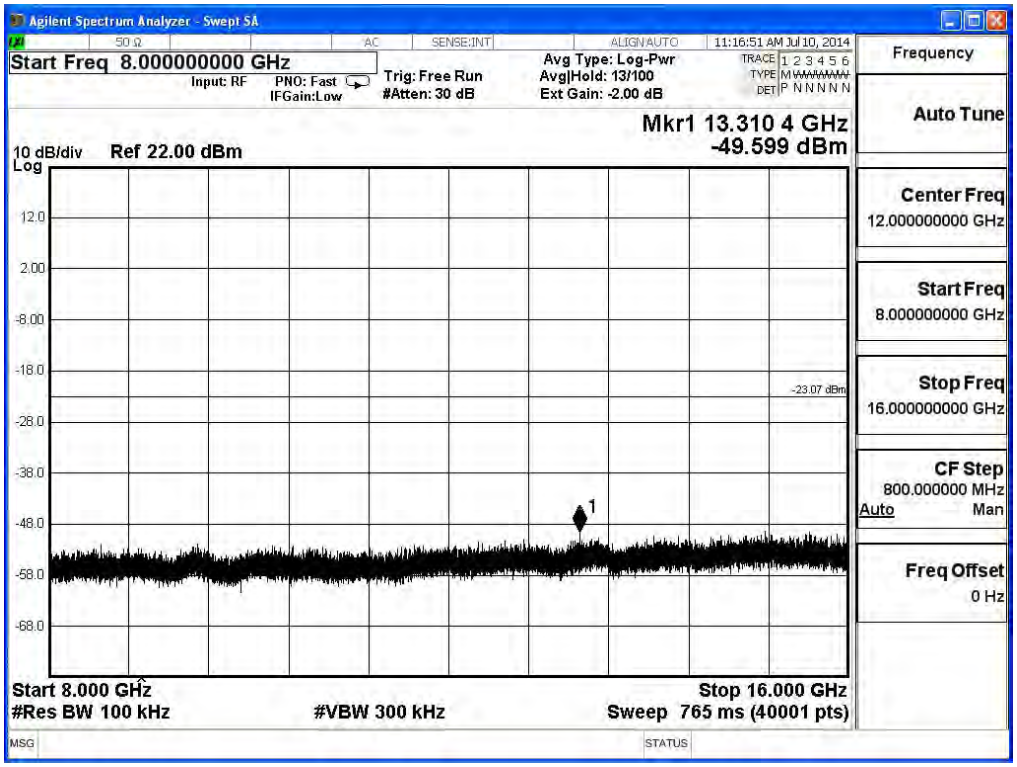

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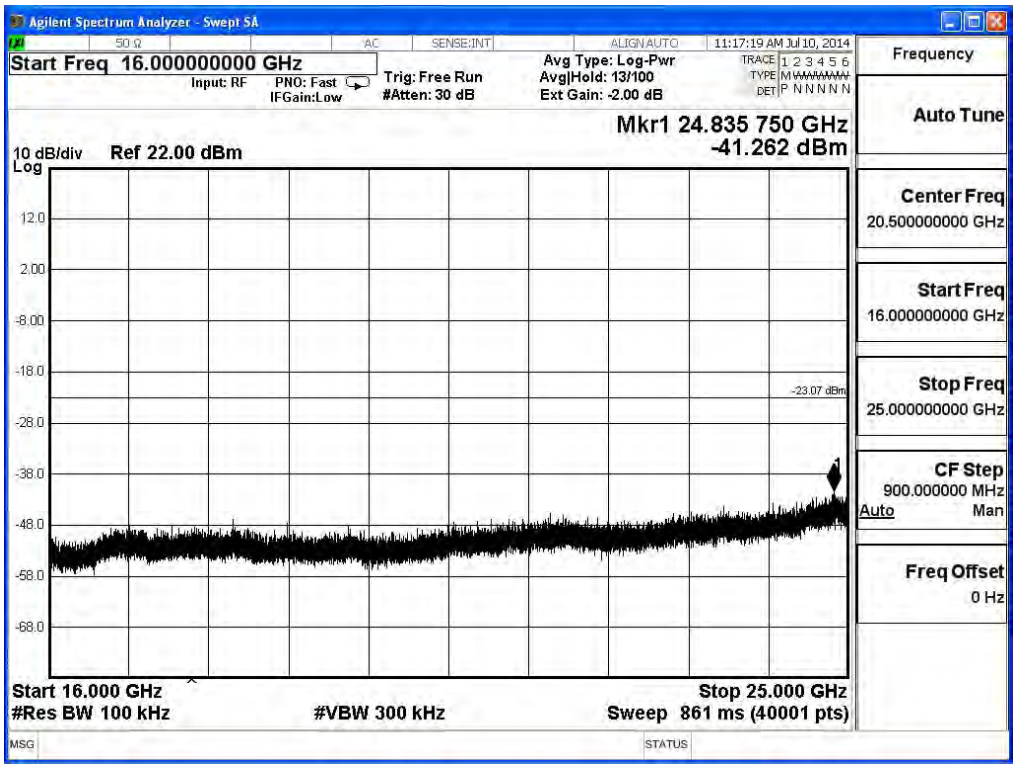

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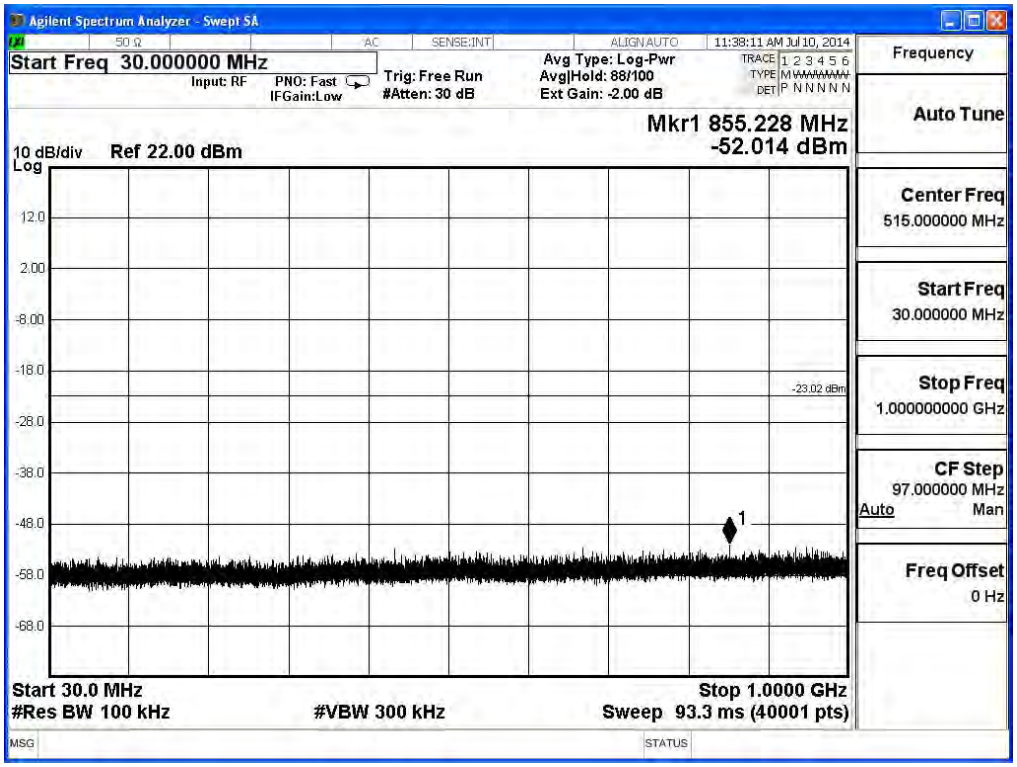

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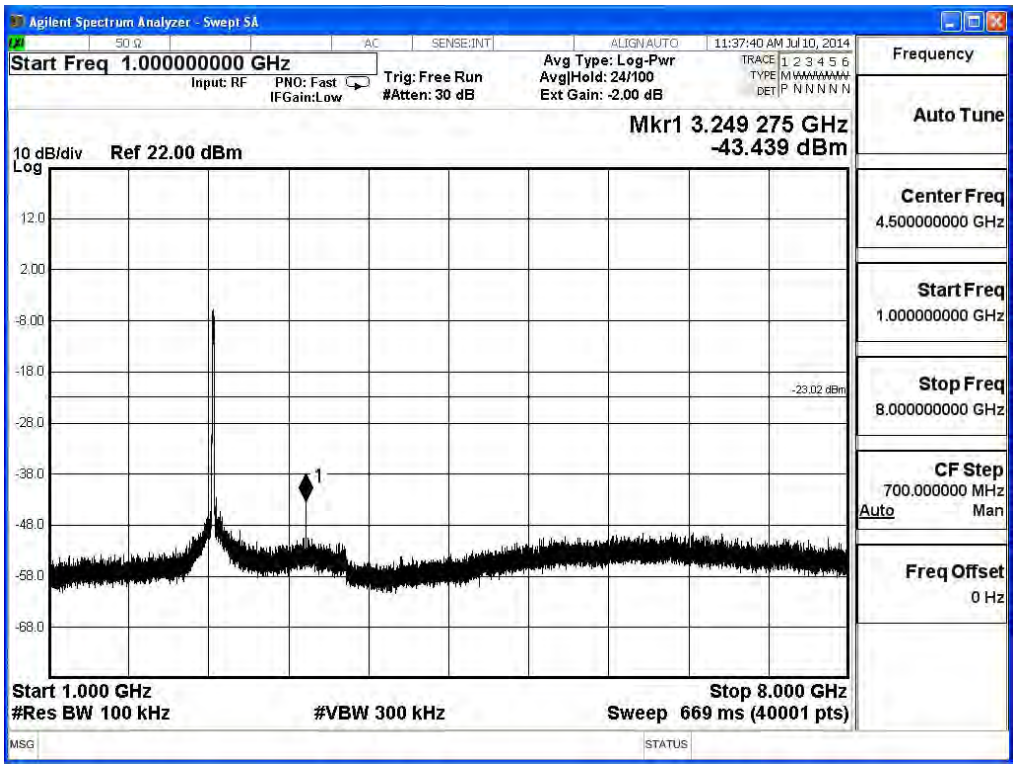

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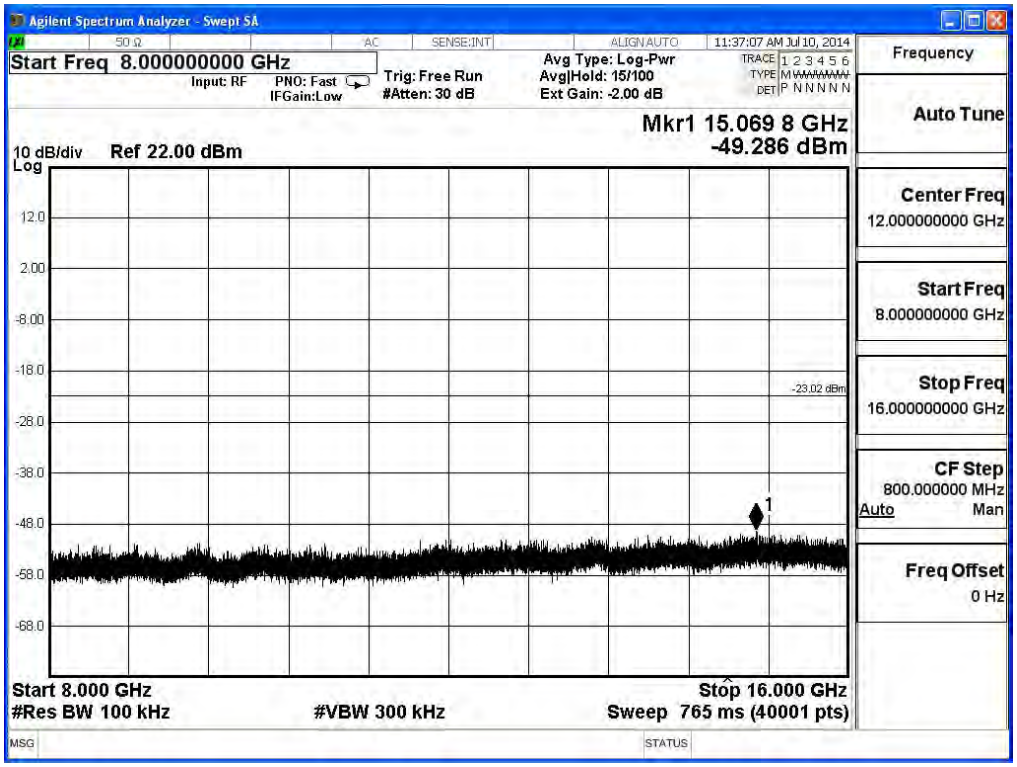

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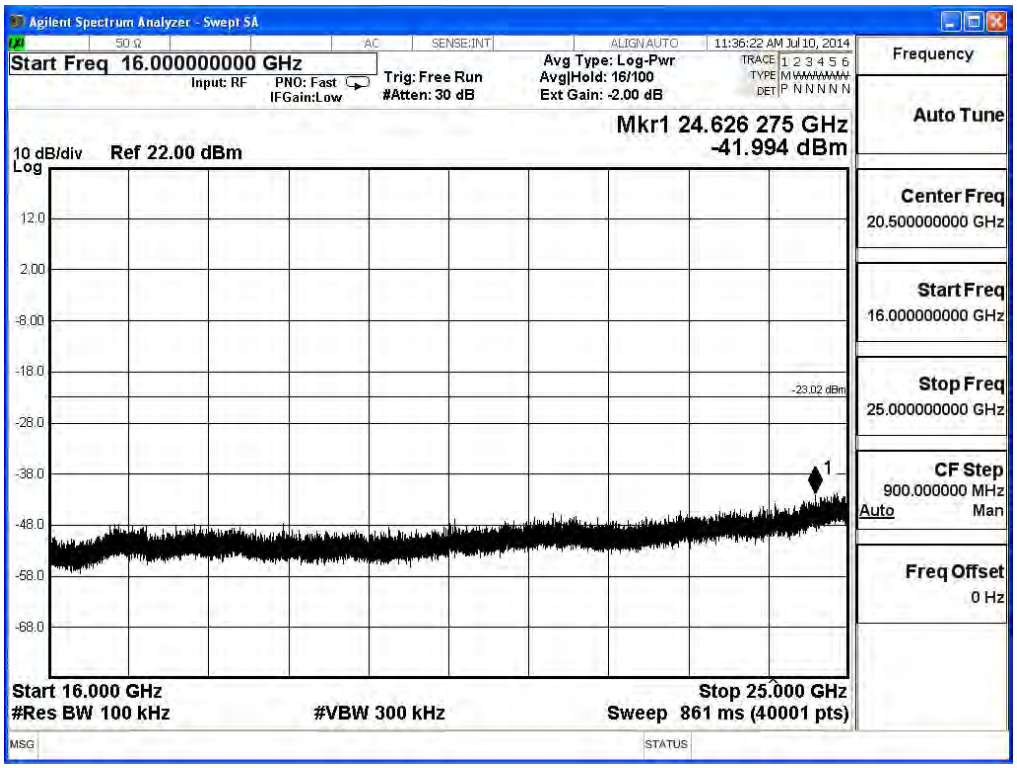

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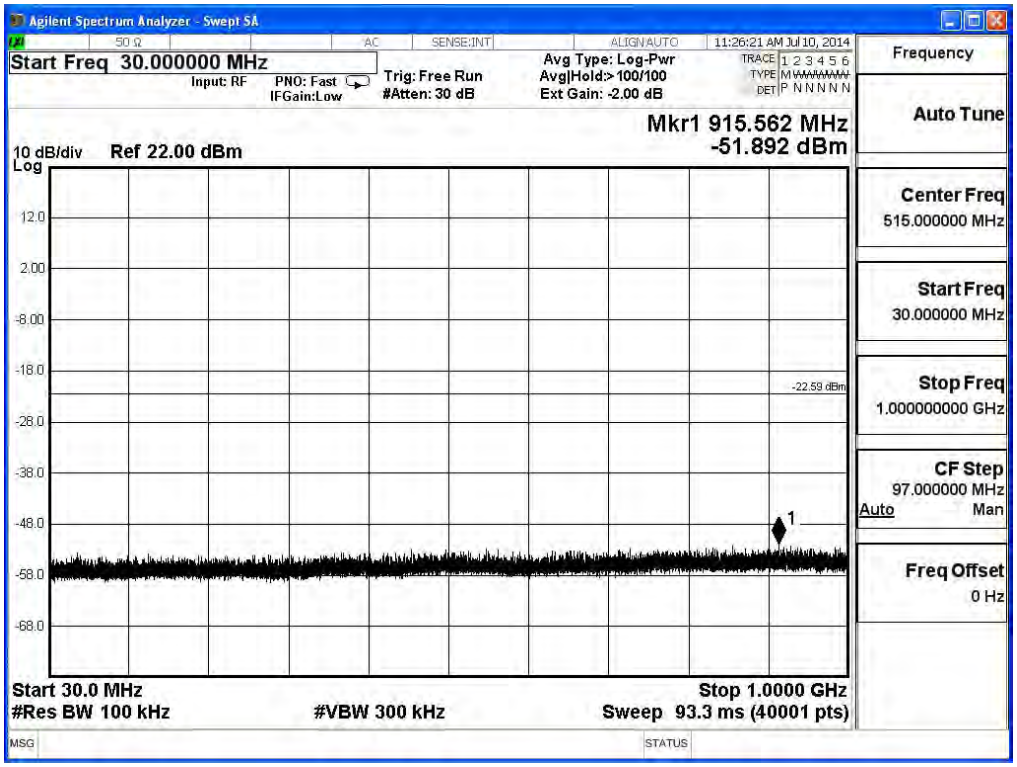

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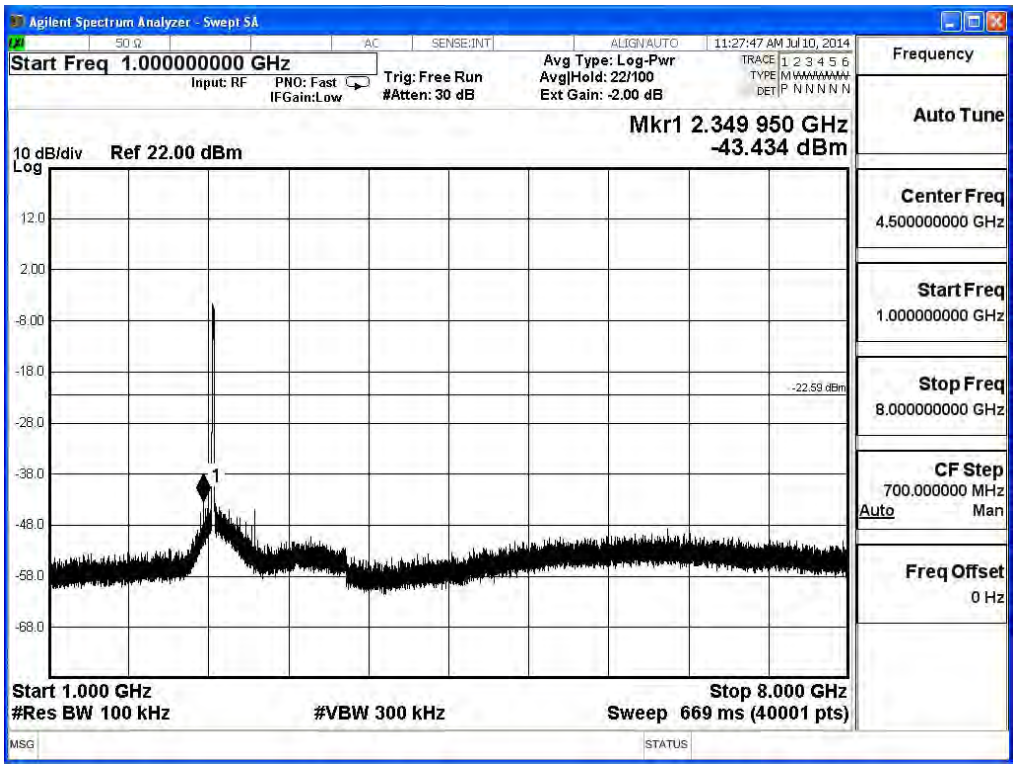

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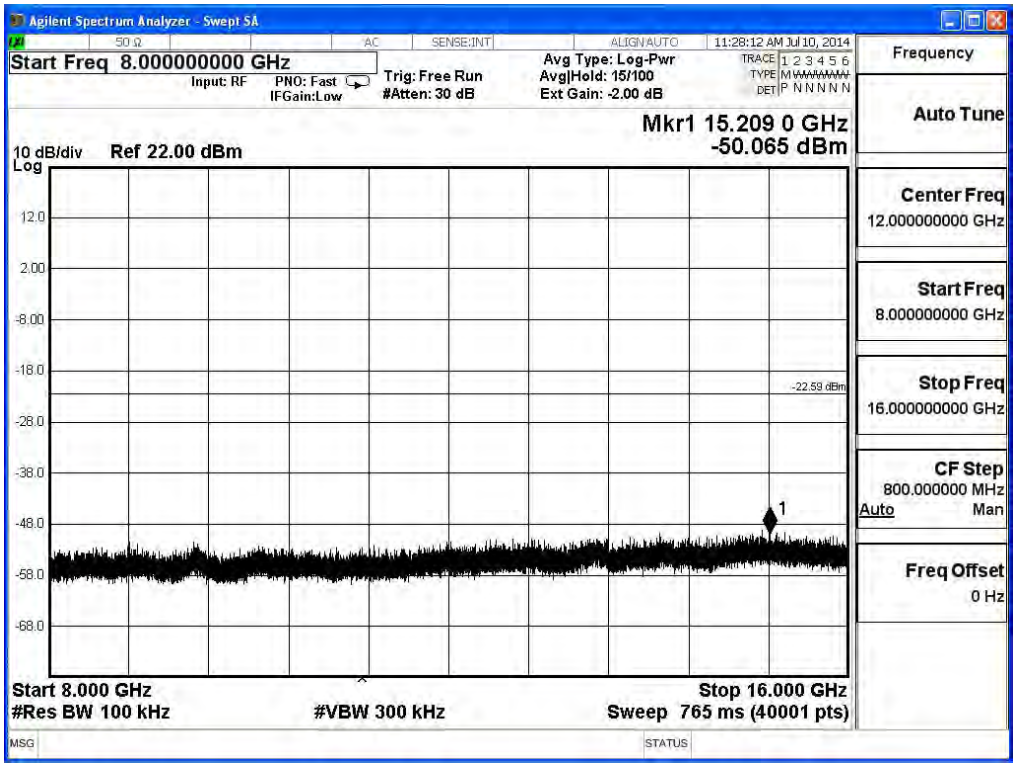

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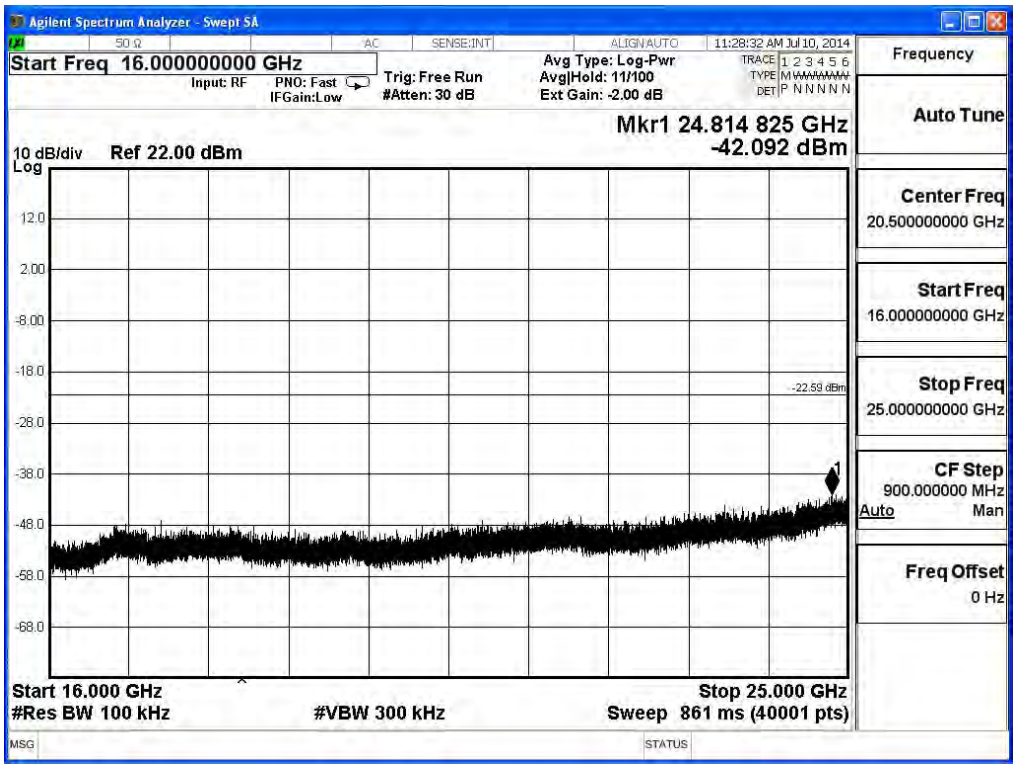

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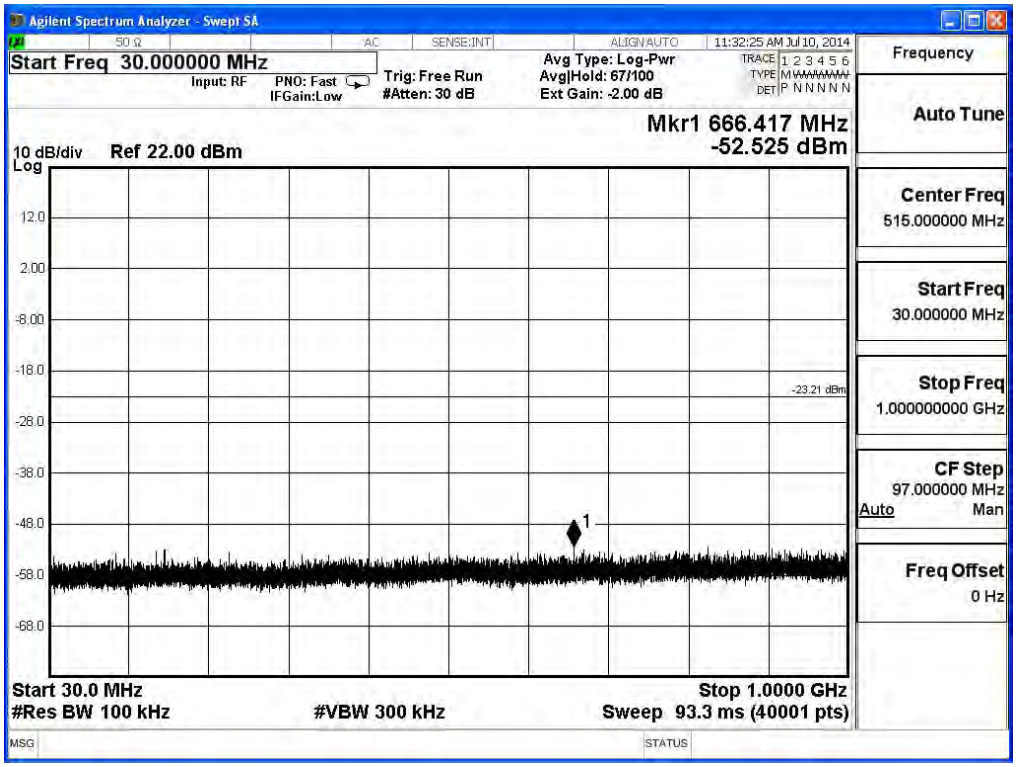

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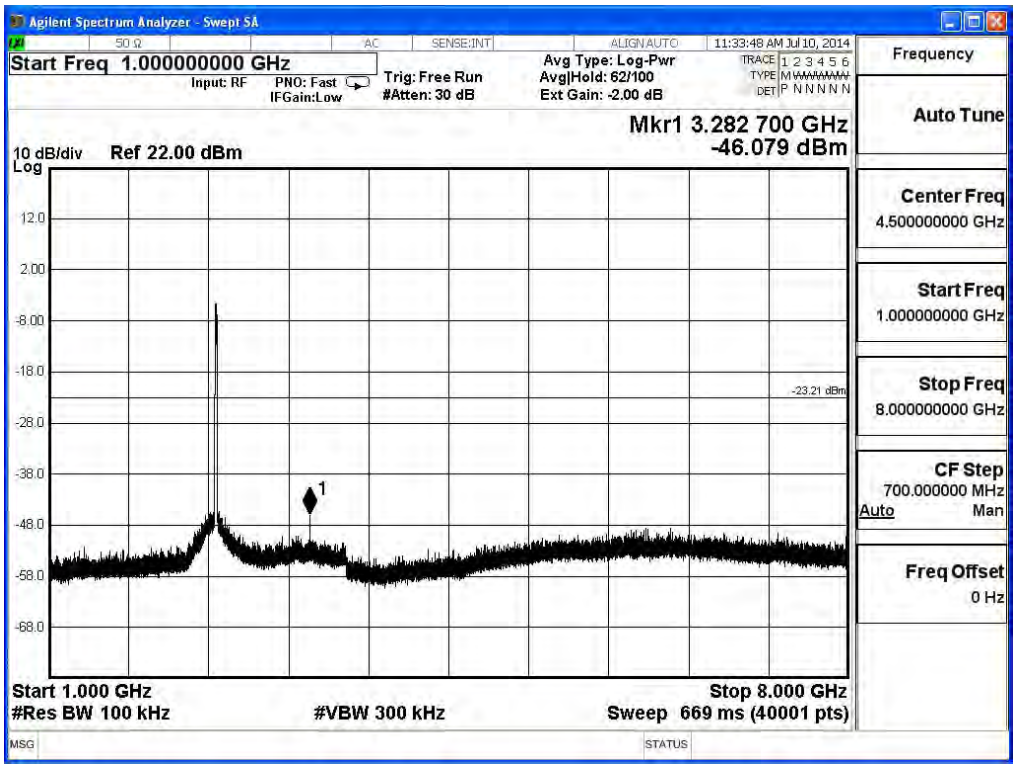

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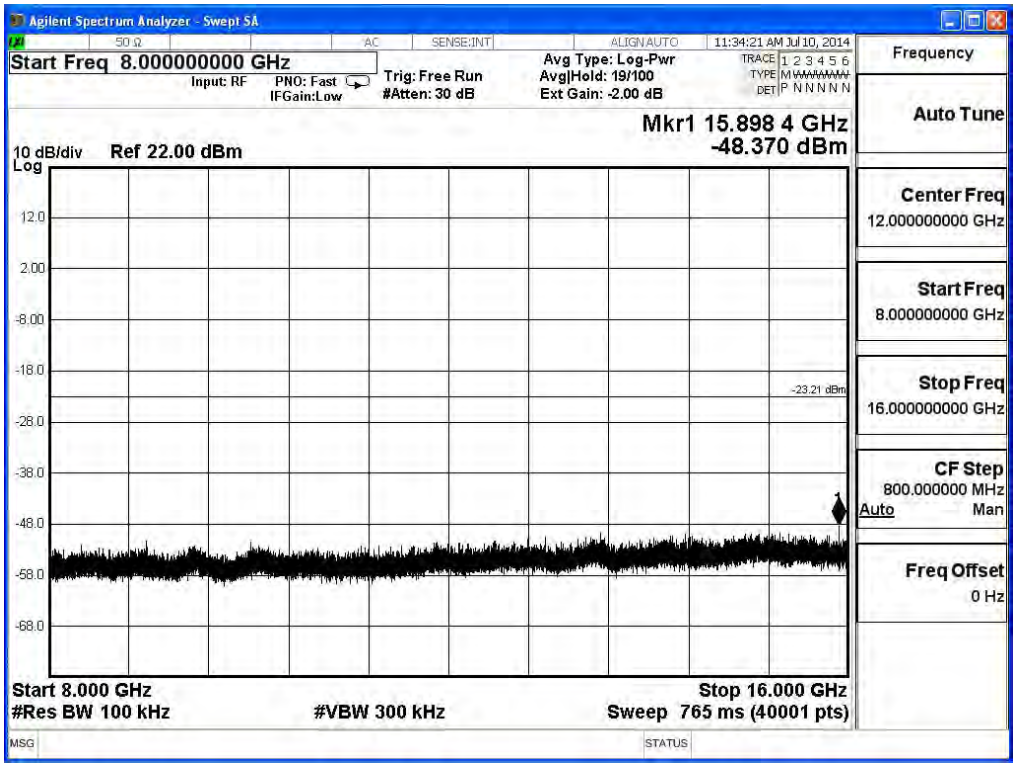

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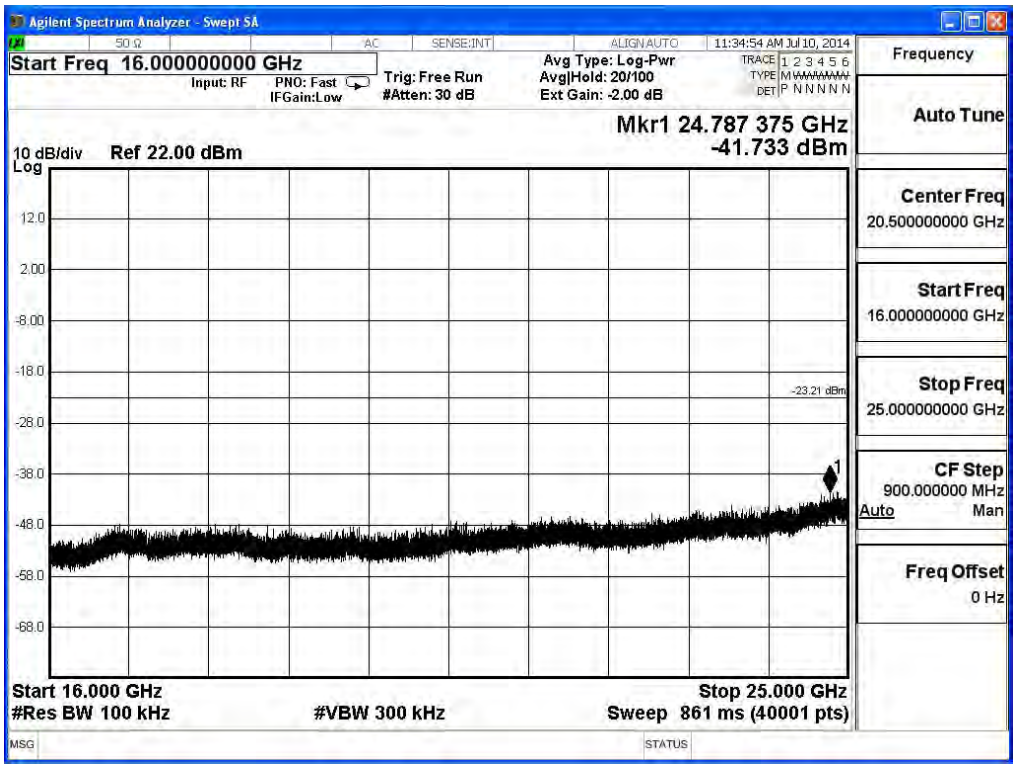

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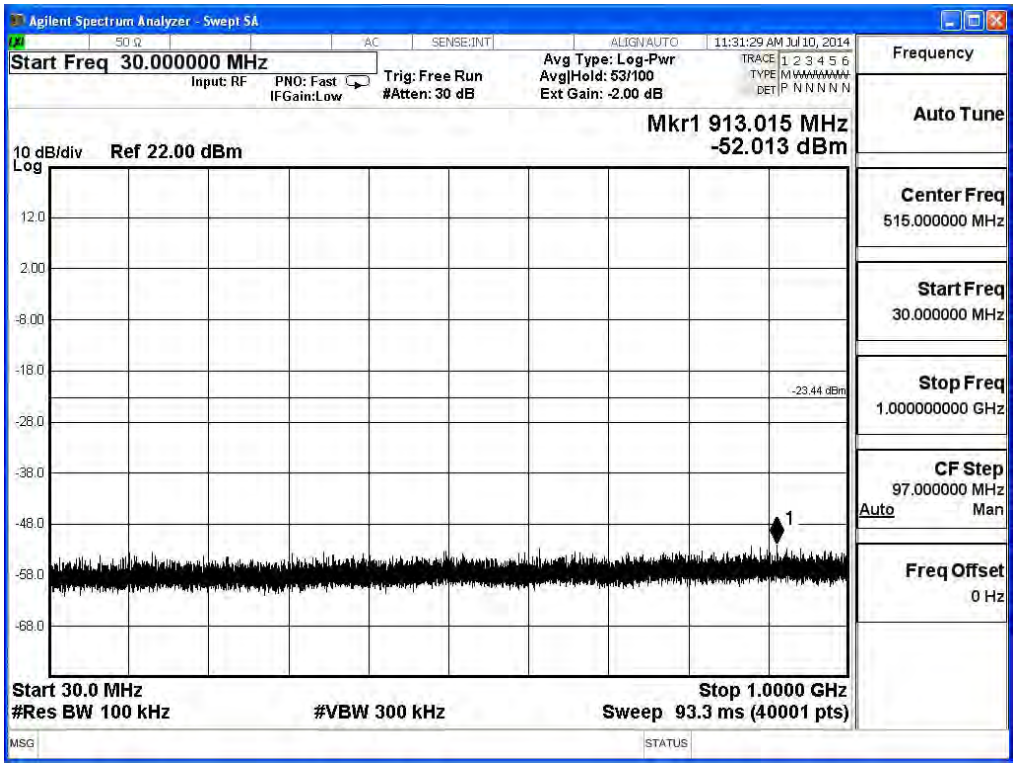

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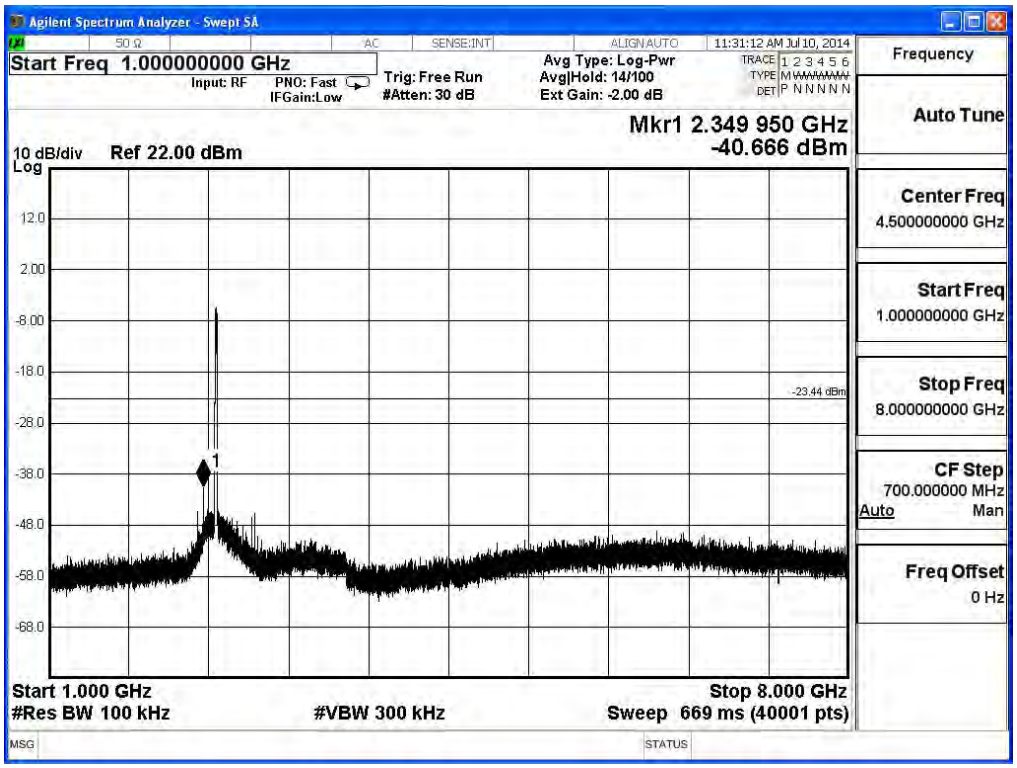

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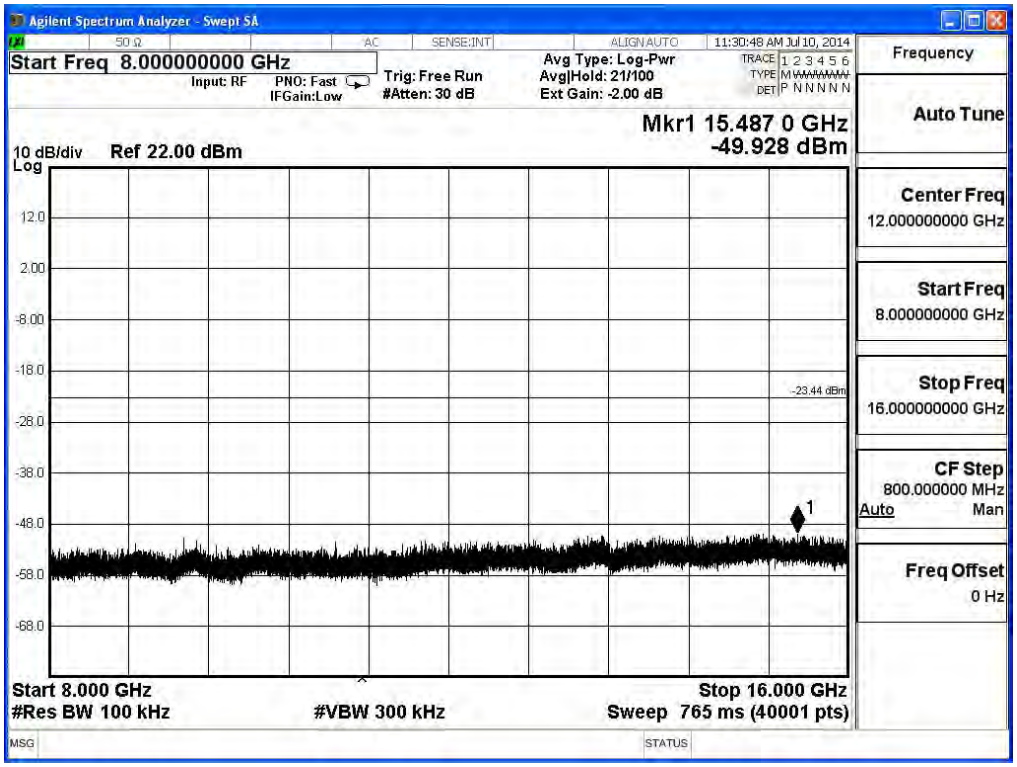

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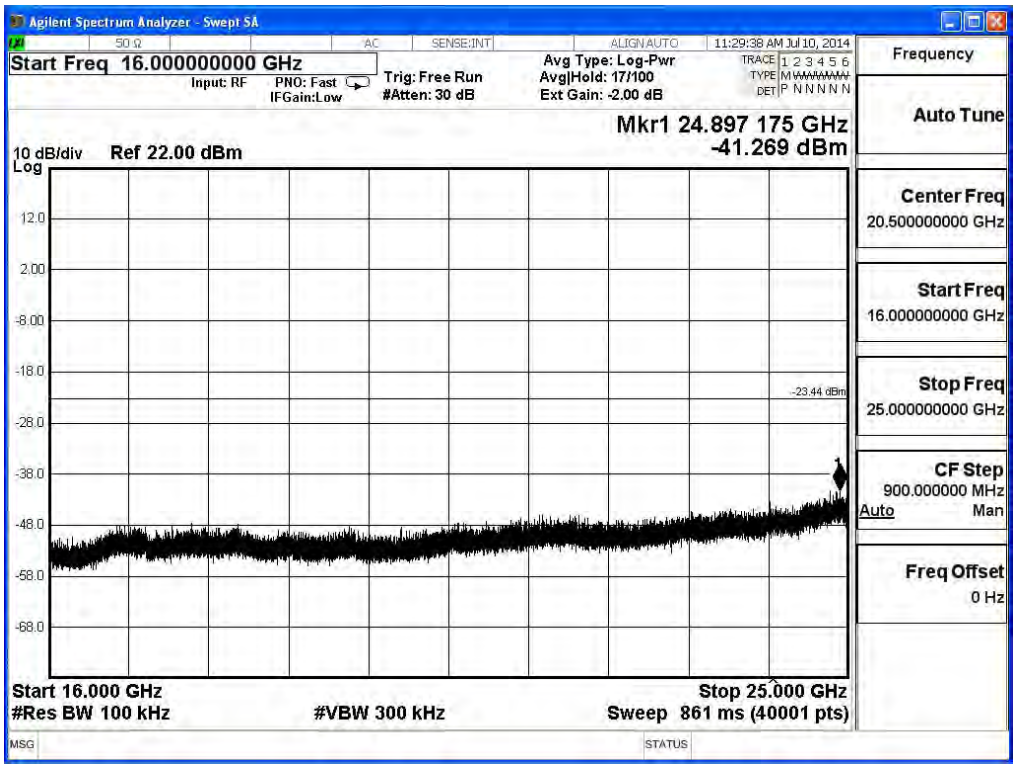

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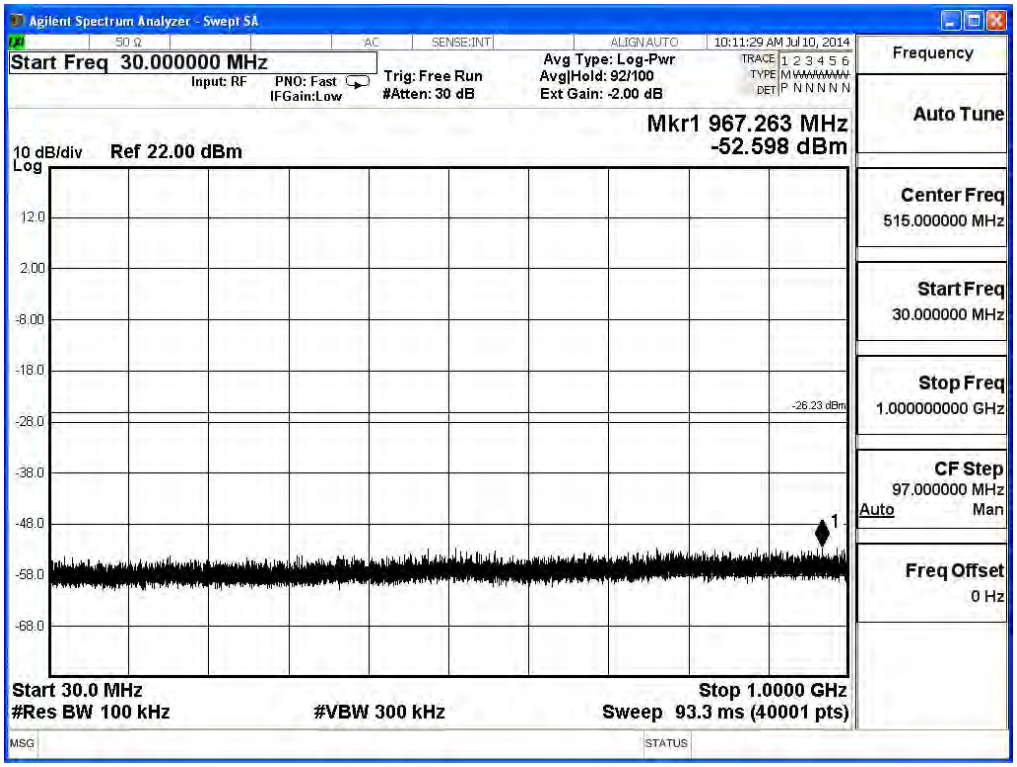

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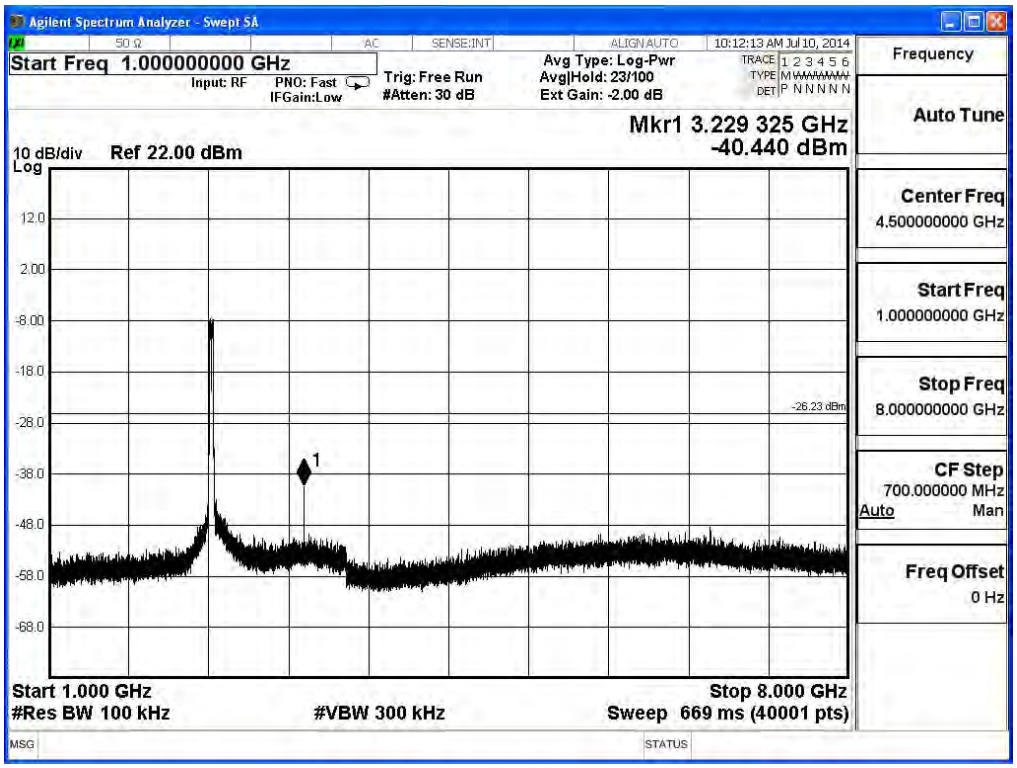

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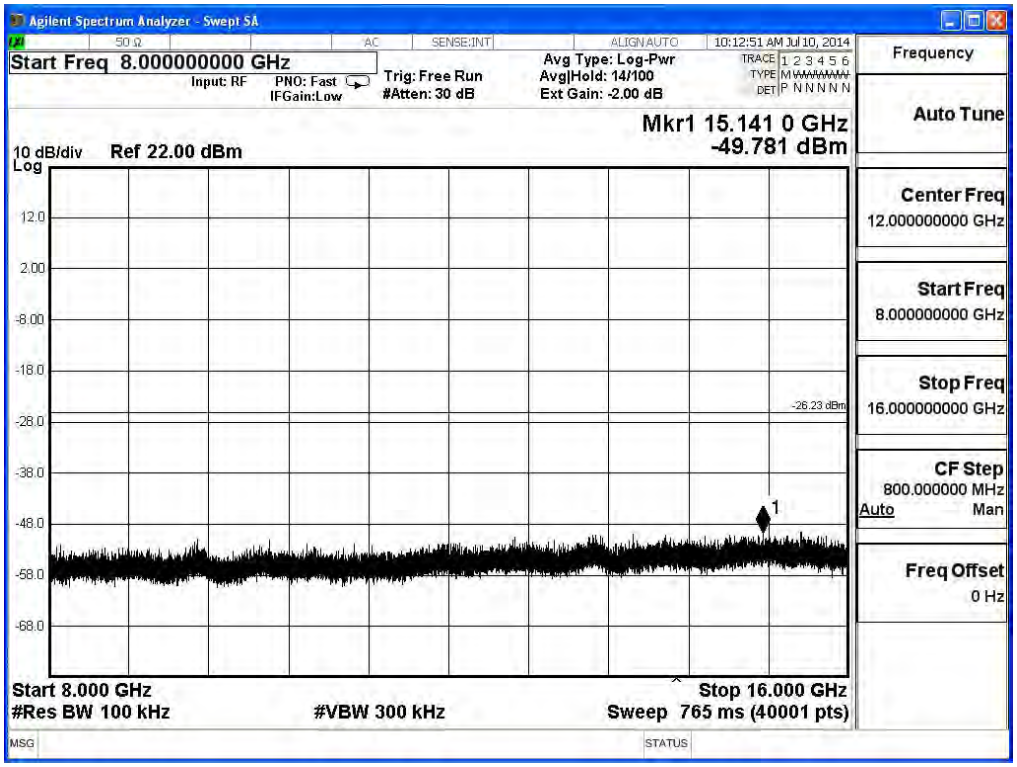

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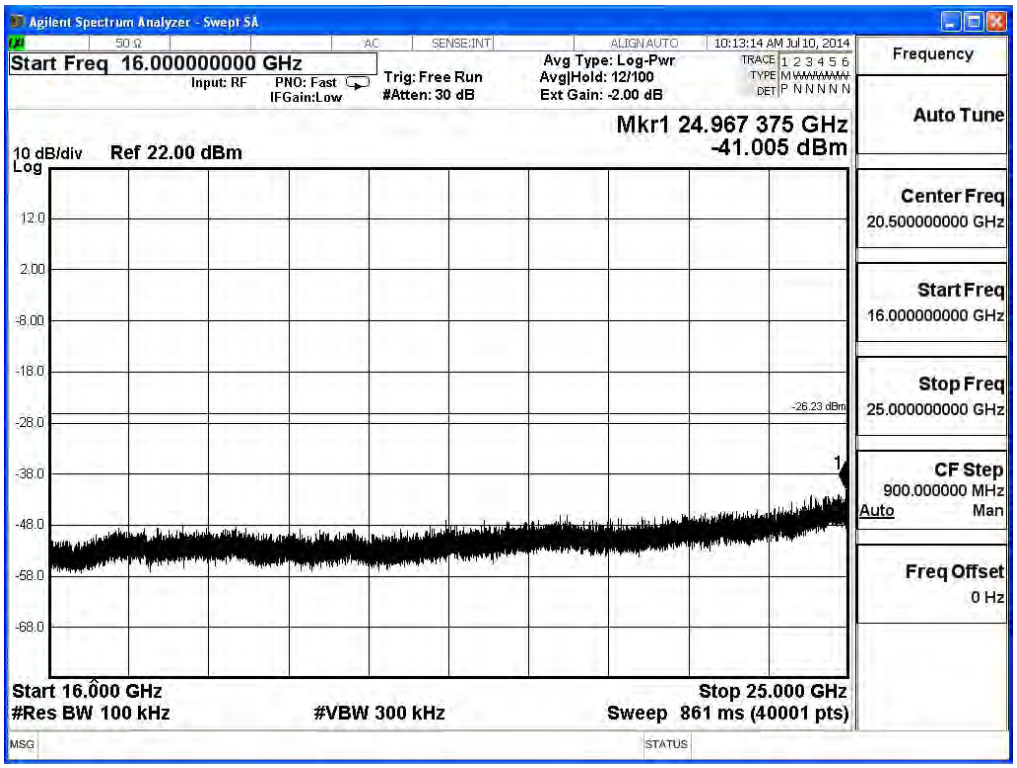

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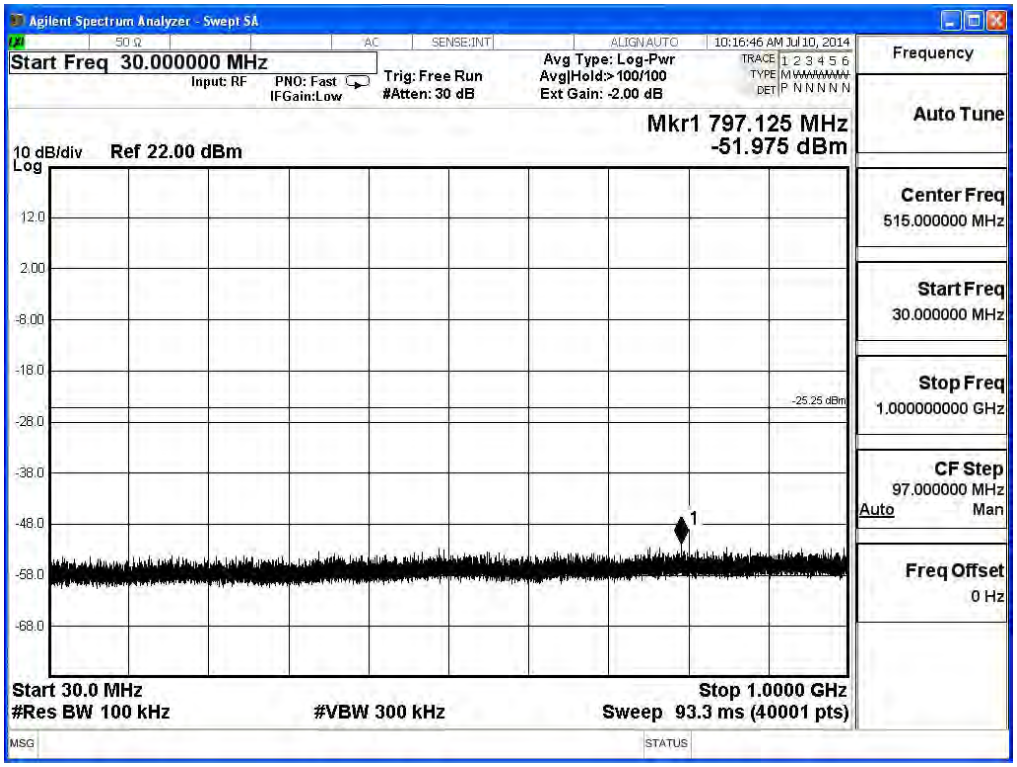

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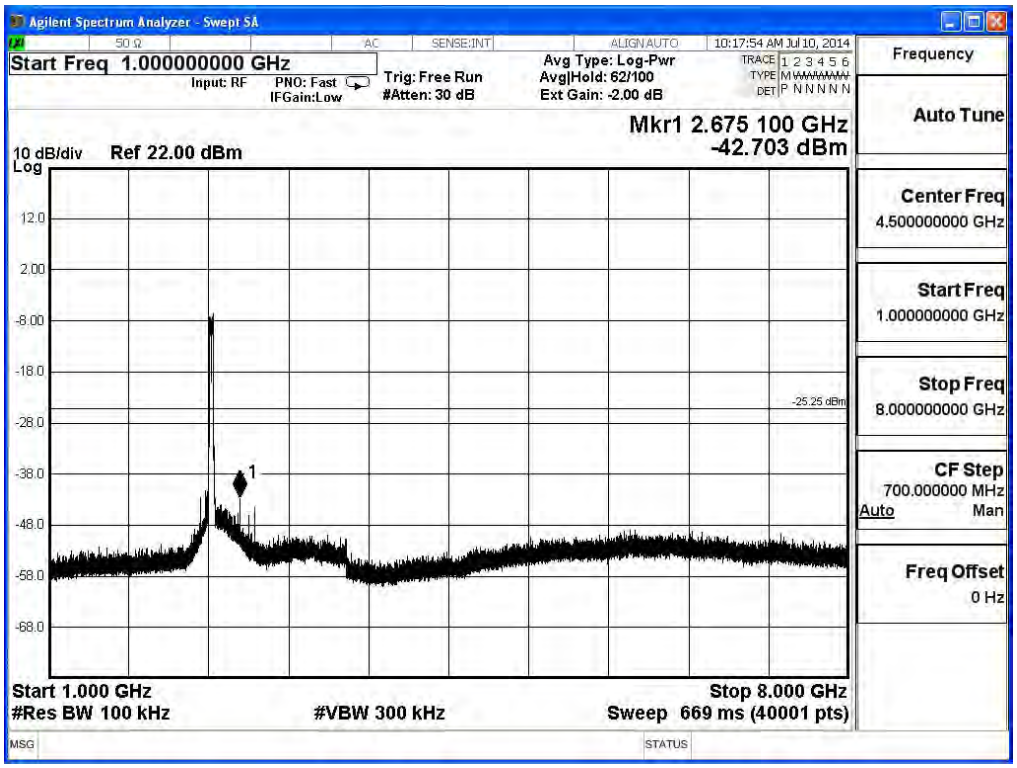

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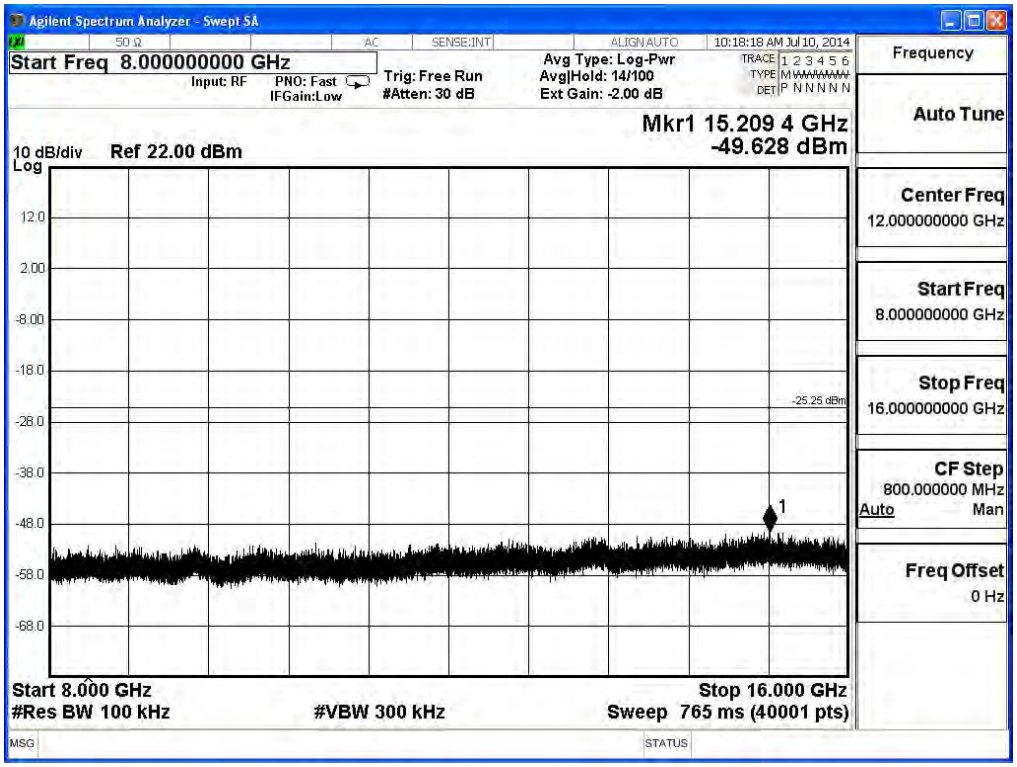

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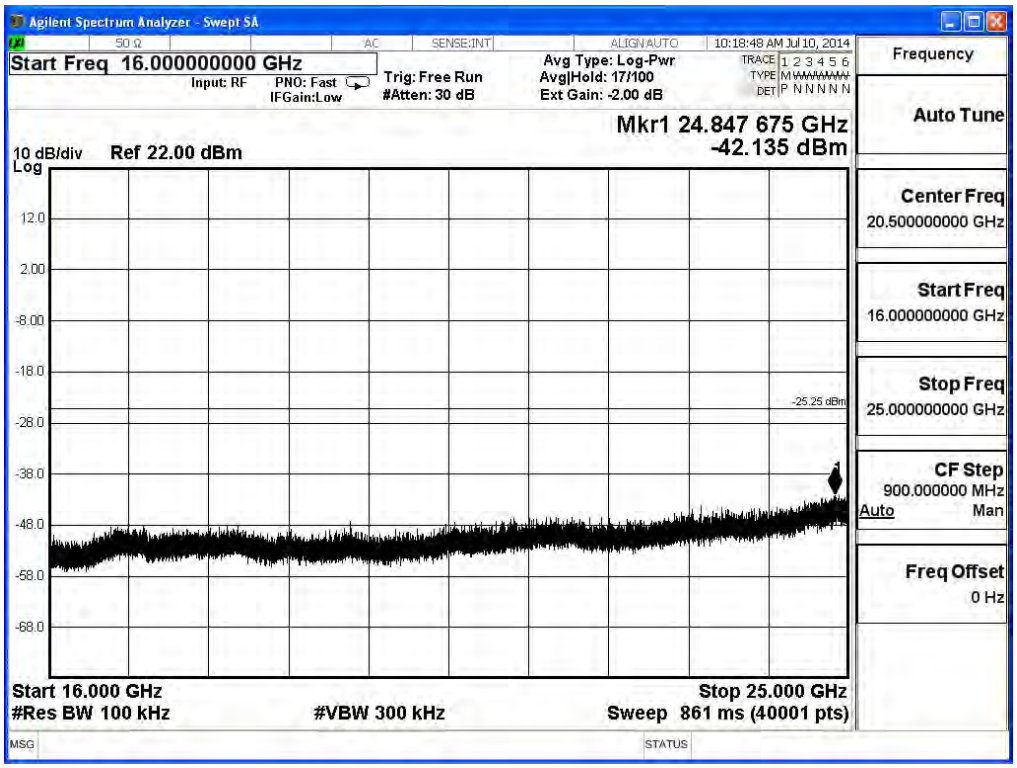

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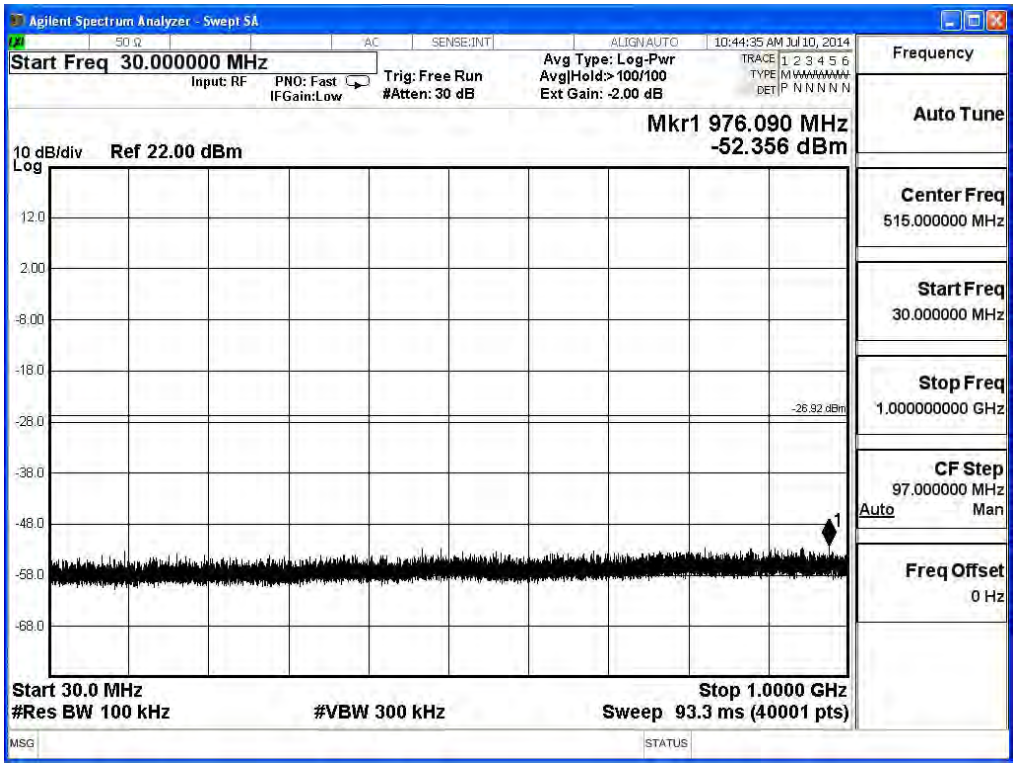

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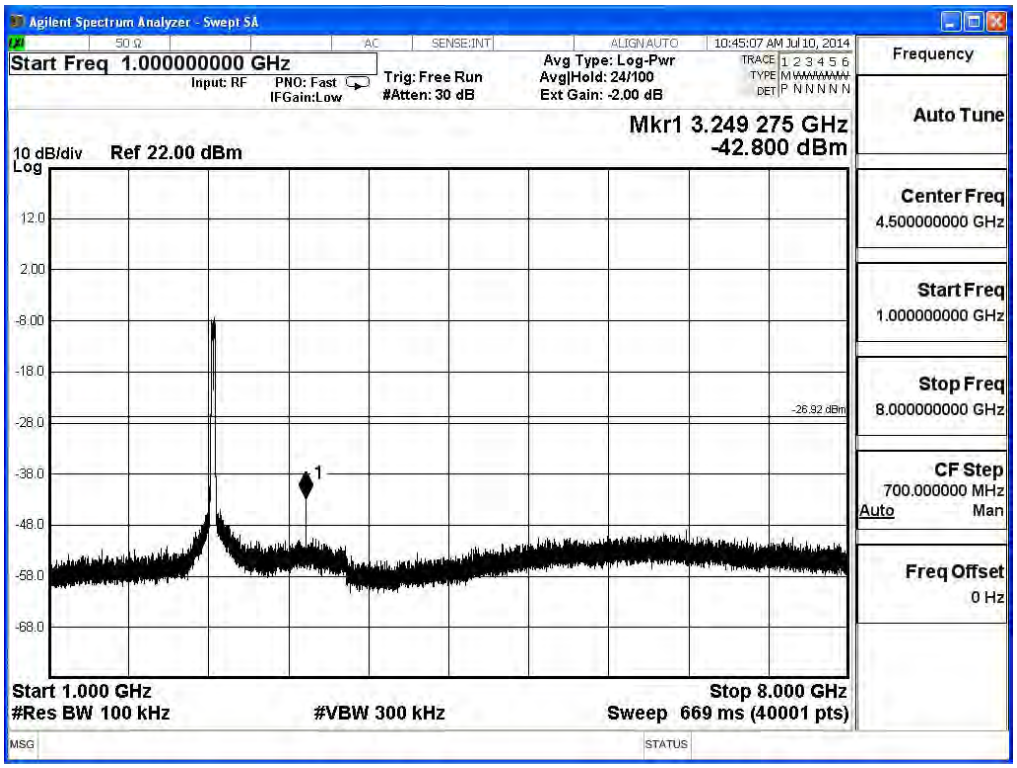

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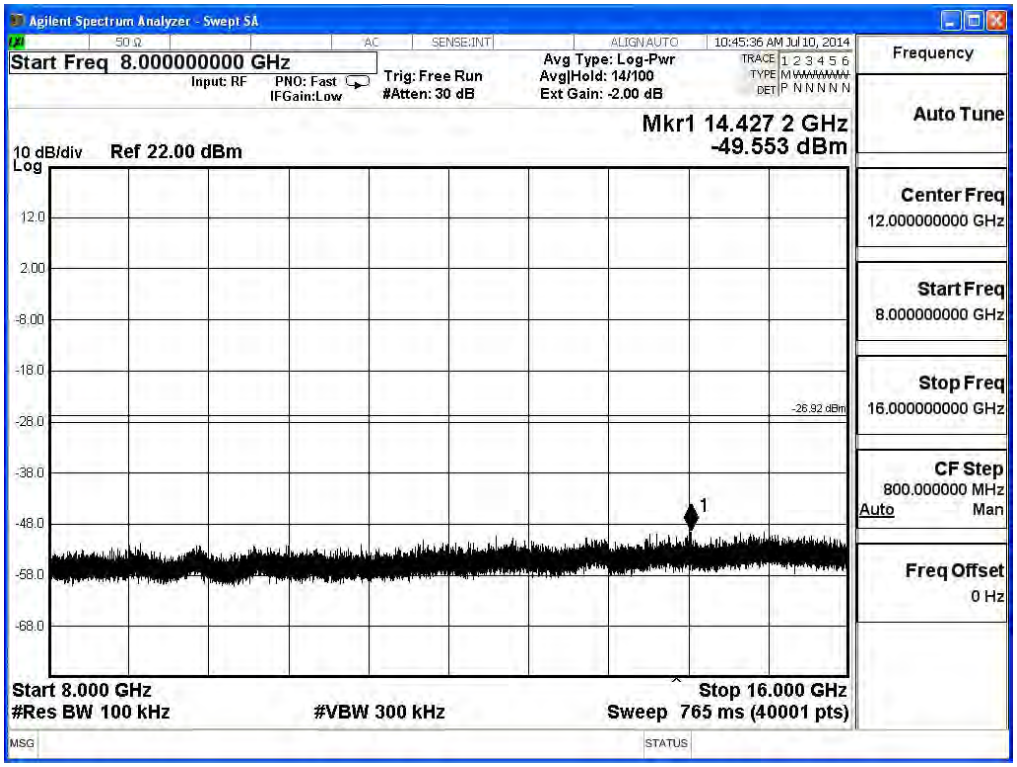

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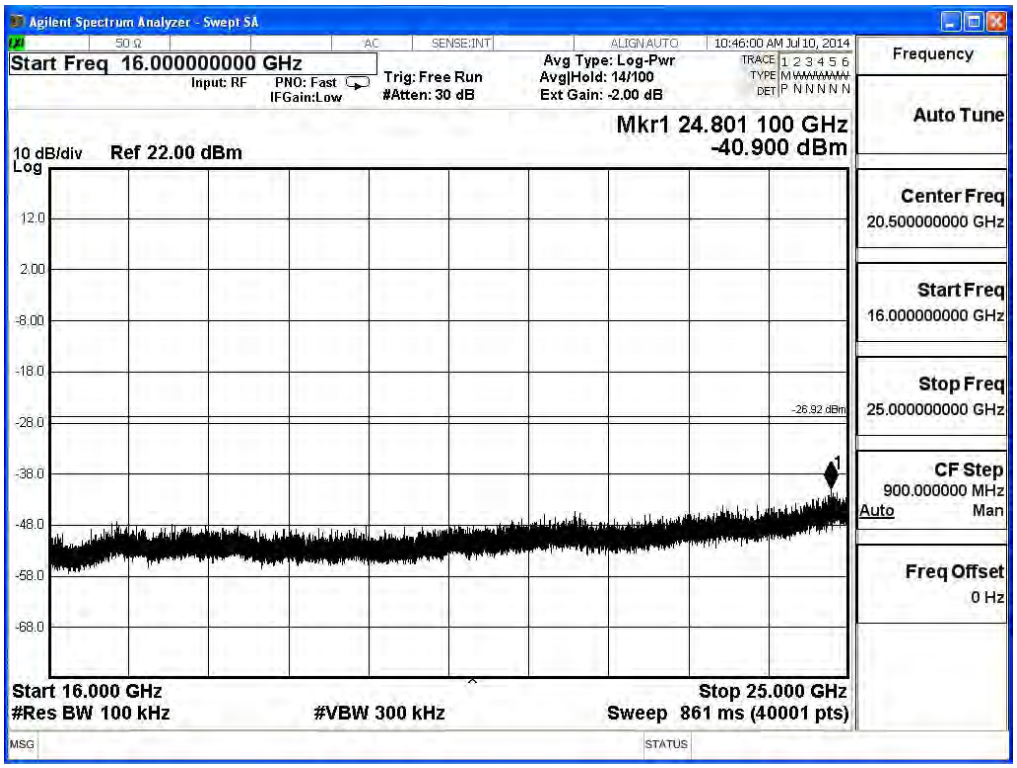

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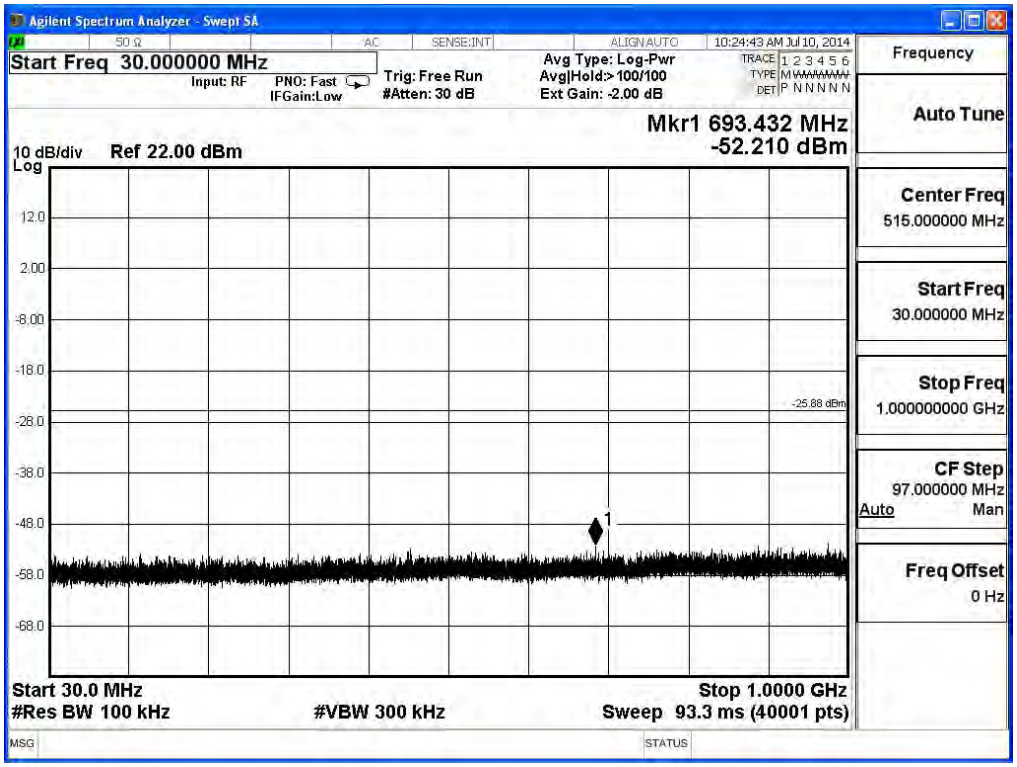

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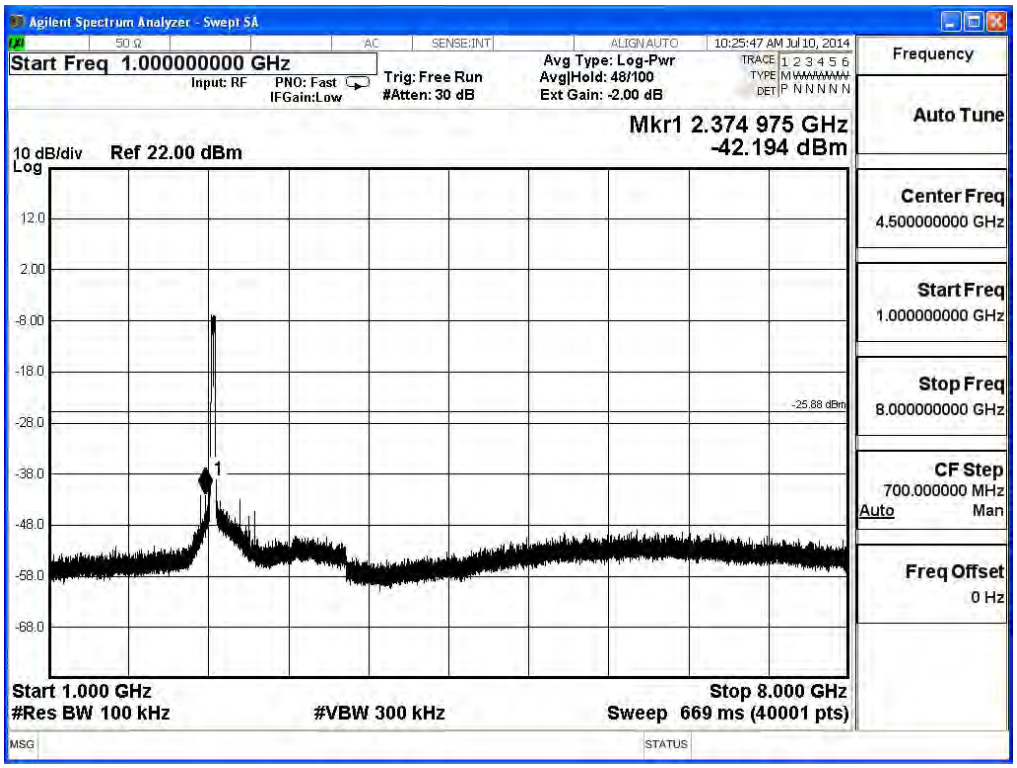

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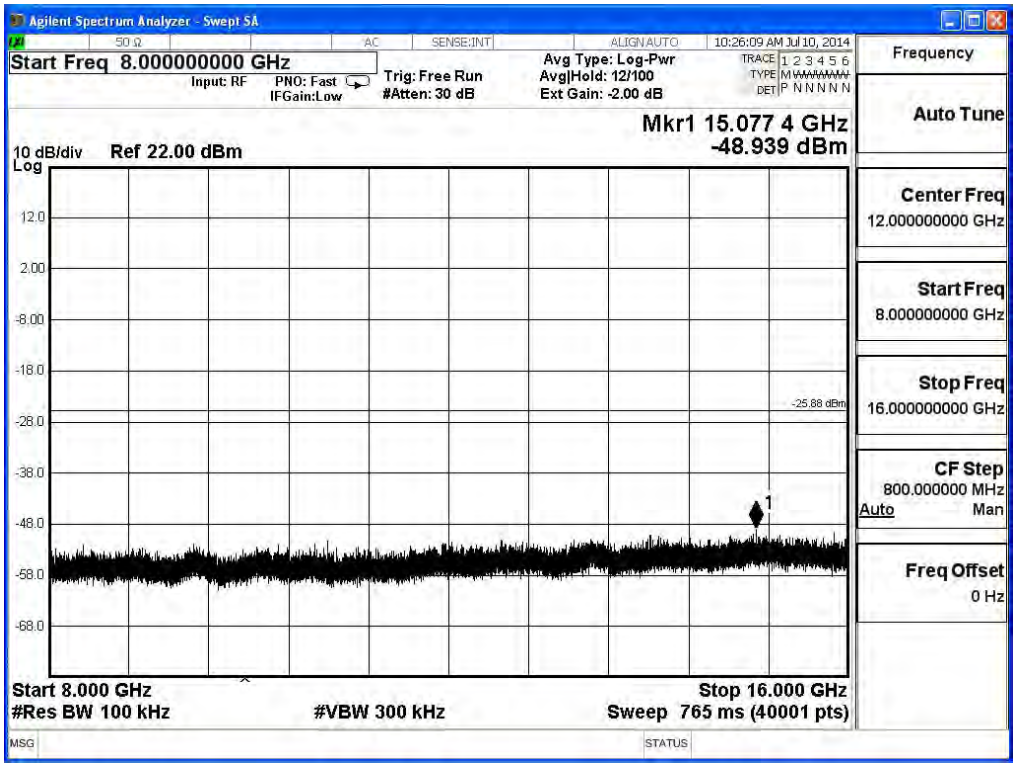

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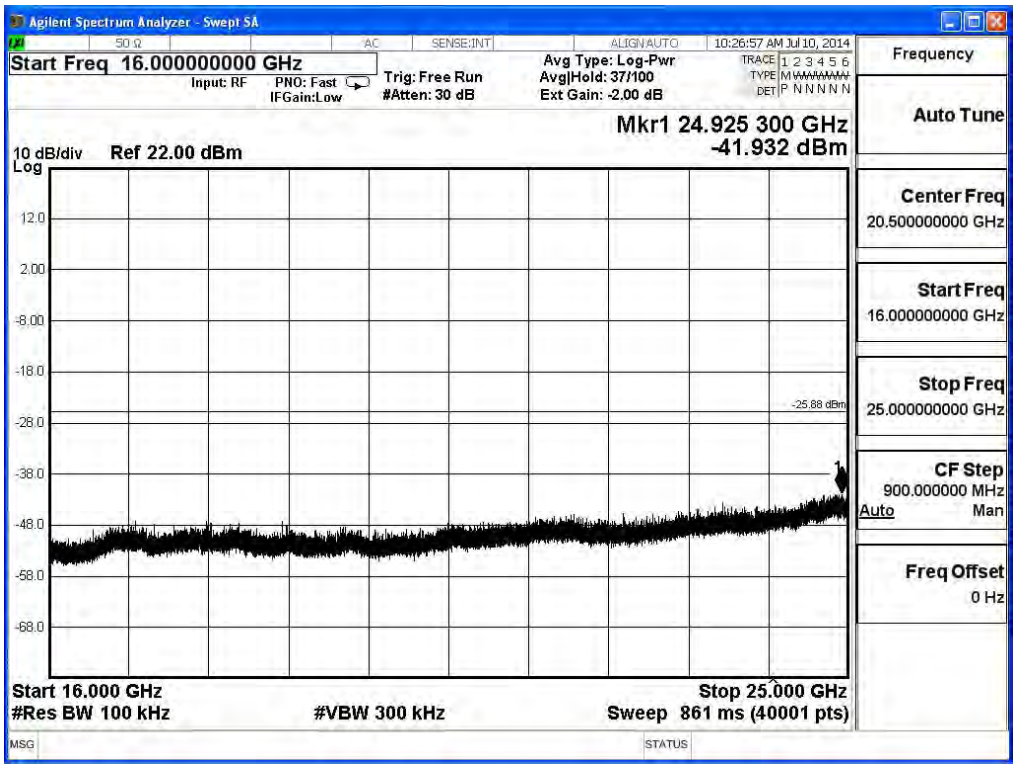

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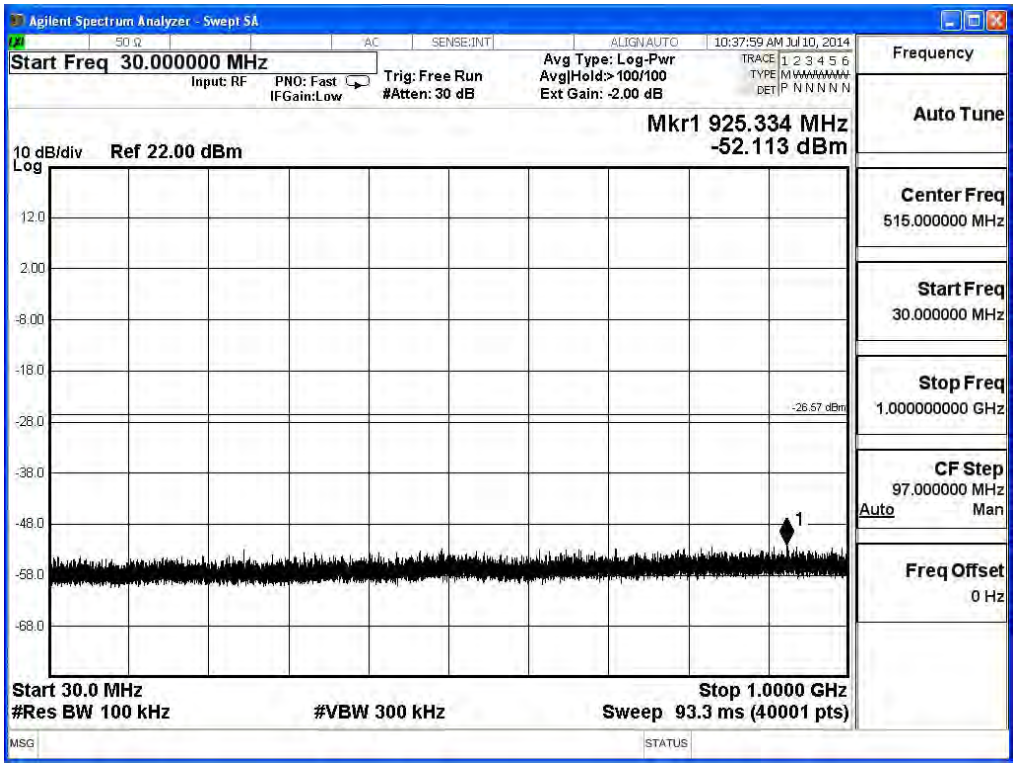

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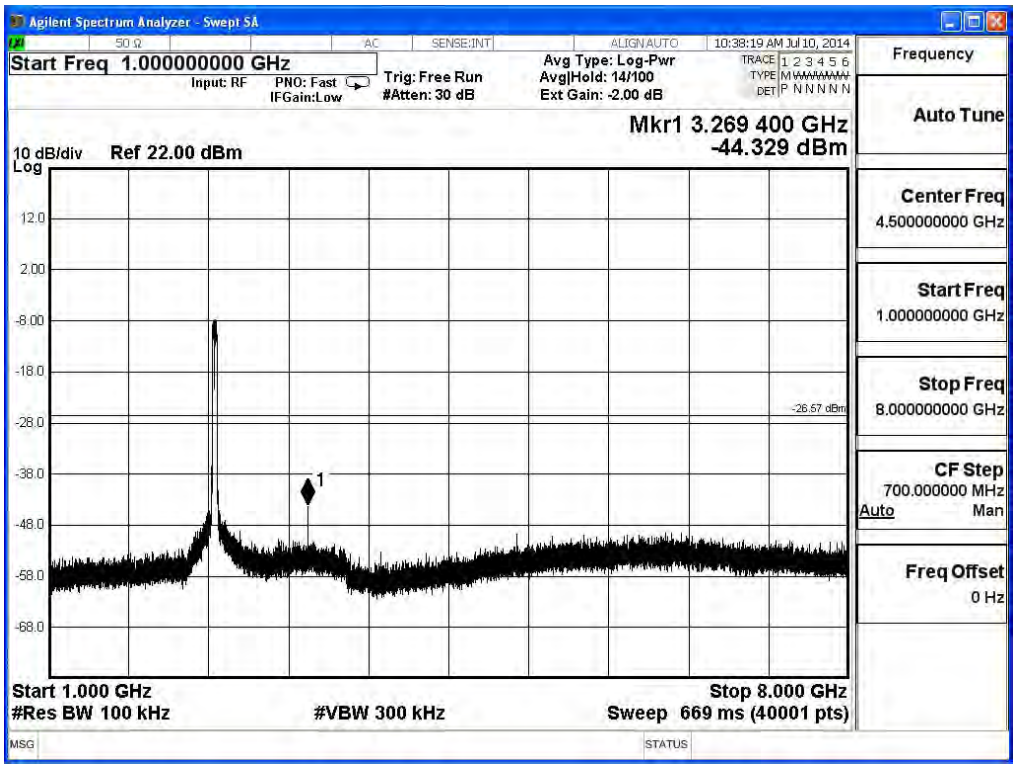

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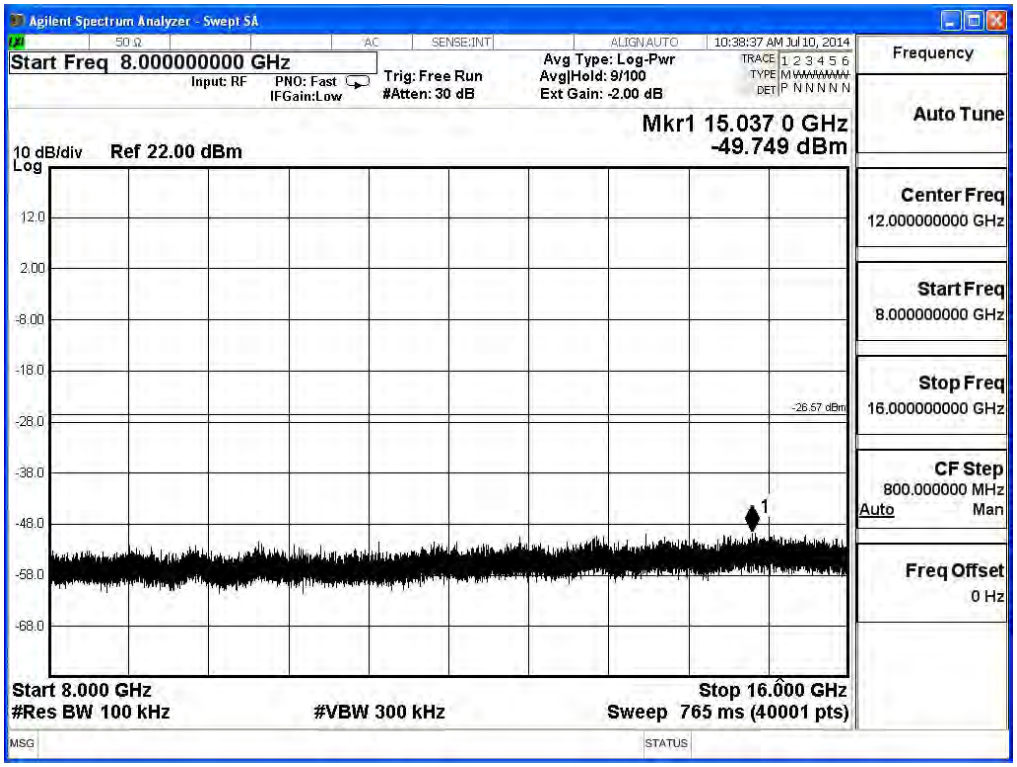

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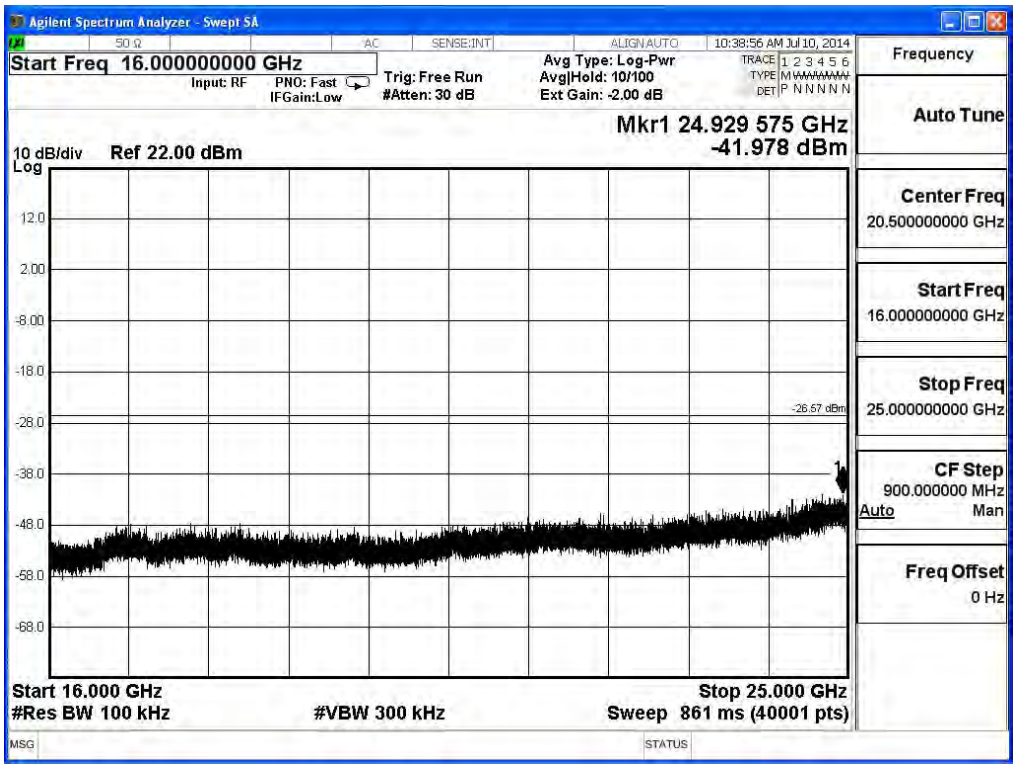

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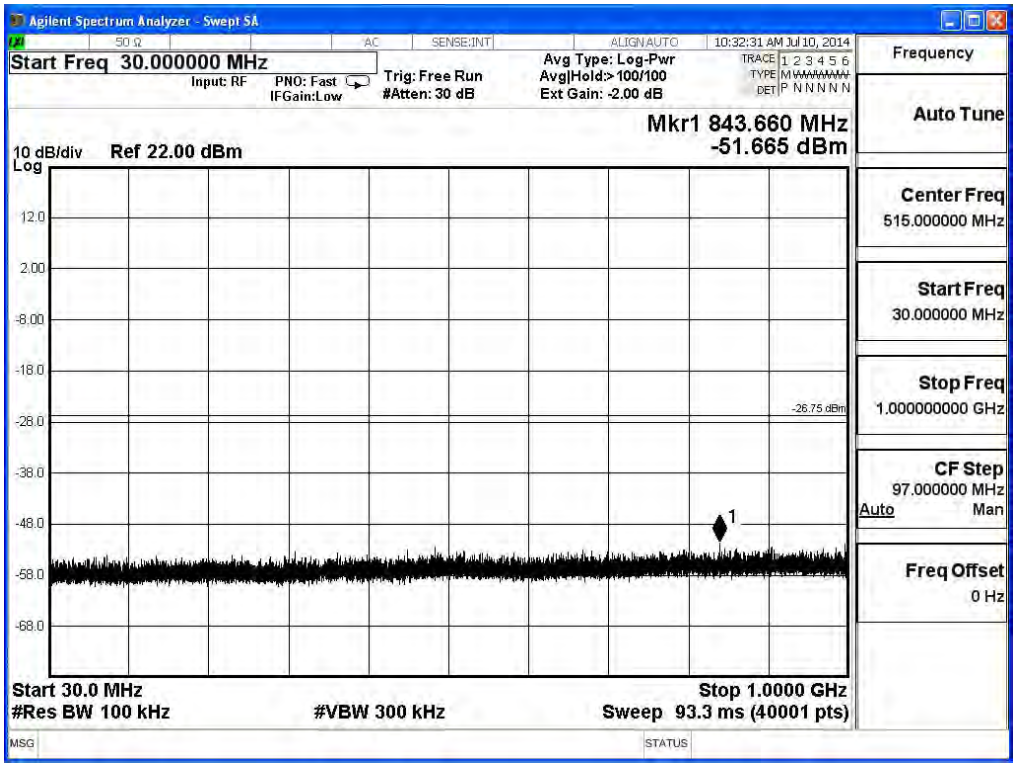

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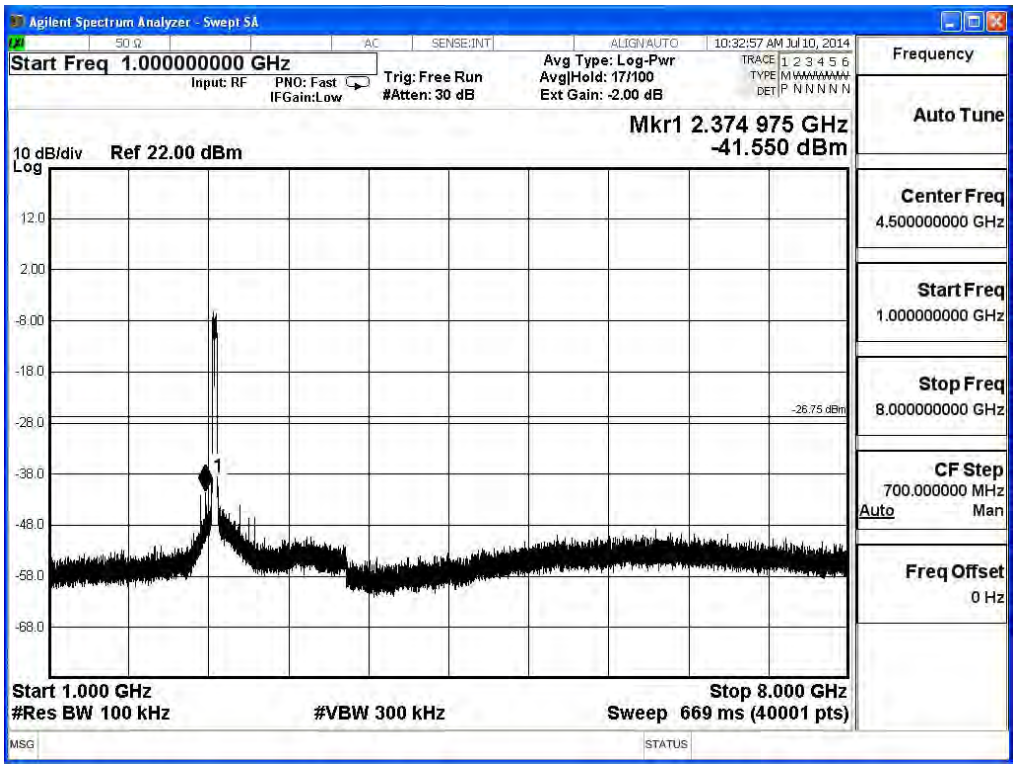

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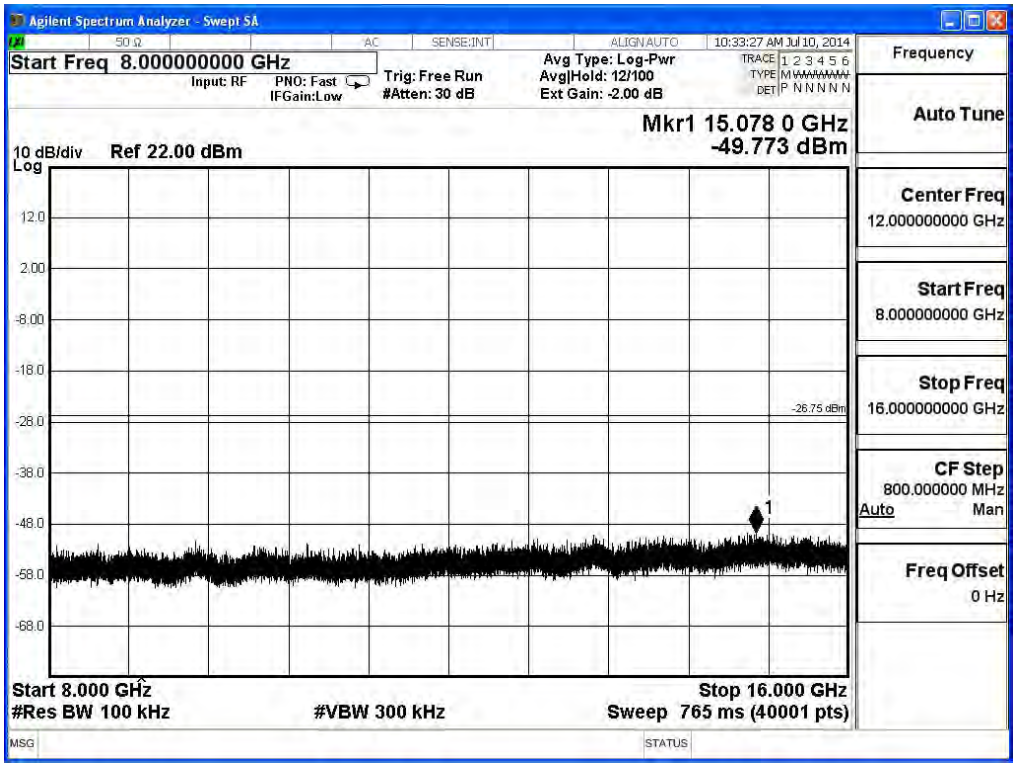
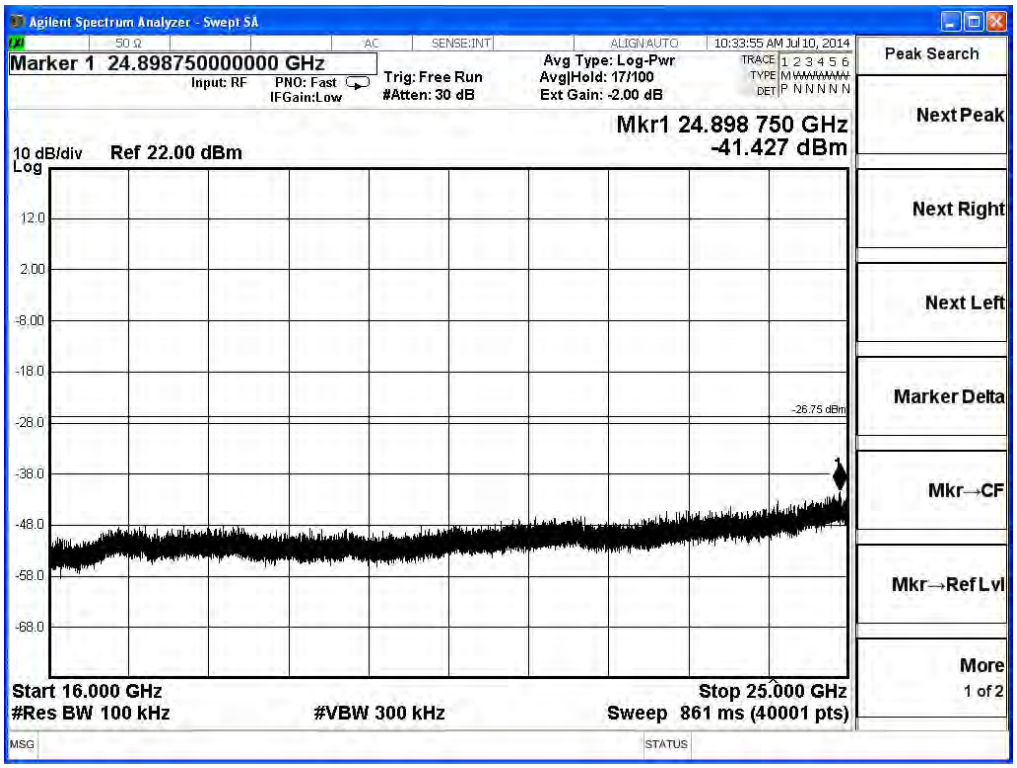


2452MHz (16GHz-25GHz) -802.11n(40MHz) (Ant 1)



6. Radiated Emission Band Edge

6.1. Test Equipment

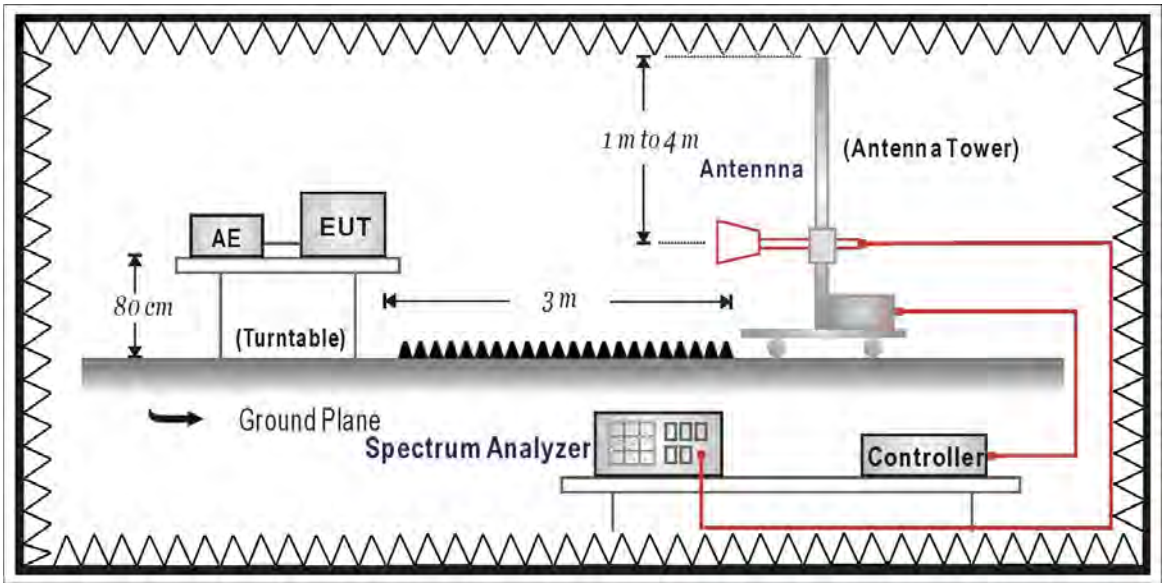
The following test equipments are used during the test:

Radiated Emission 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 C63.4: 2009 and tested according to DTS test procedure of KDB558074 v03r01 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 C63.4: 2009 on radiated measurement.

6.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2013

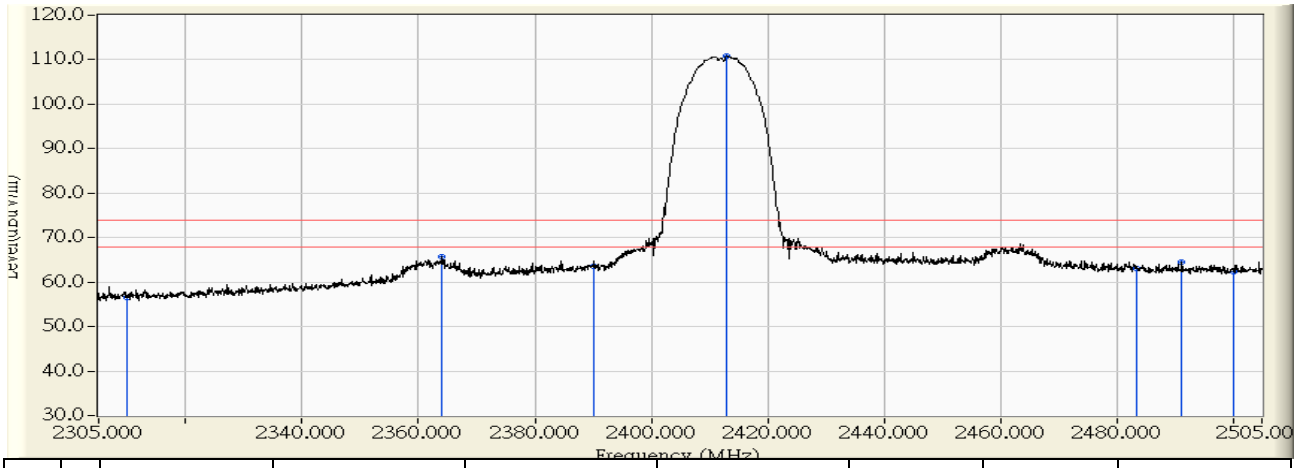
6.6. Uncertainty

The measurement uncertainty
± 3.9 dB above 1GHz

6.7. Test Result

Radiated is defined as

Site : CB1	**Time : 2014/06/27 - 17:47**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power :**
EUT : Wireless Outdoor Access Point	**Note : Mode 1: Transmit_802.11b_2412MHz**

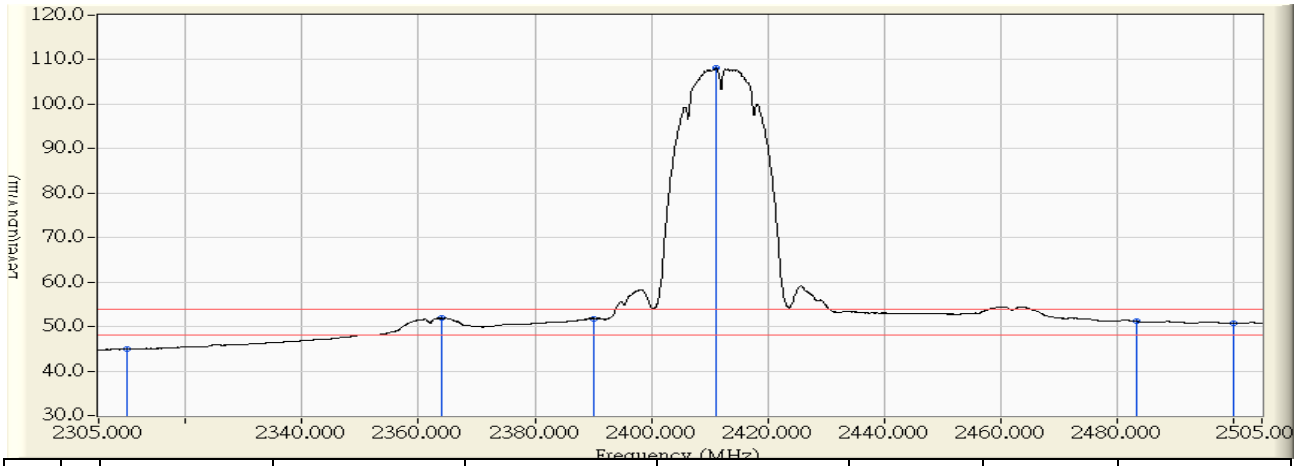


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	26.236	56.647	-17.353	74.000	PEAK
2		2364.100	30.973	34.670	65.642	-8.358	74.000	PEAK
3		2390.000	31.241	32.314	63.555	-10.445	74.000	PEAK
4	*	2413.000	31.479	79.269	110.748	36.748	74.000	PEAK
5		2483.500	31.980	31.195	63.174	-10.826	74.000	PEAK
6		2491.200	31.958	32.592	64.551	-9.449	74.000	PEAK
7		2500.000	31.934	30.380	62.315	-11.685	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/27 - 17:39**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power :**
EUT : Wireless Outdoor Access Point	**Note : Mode 1: Transmit_802.11b_2412MHz**

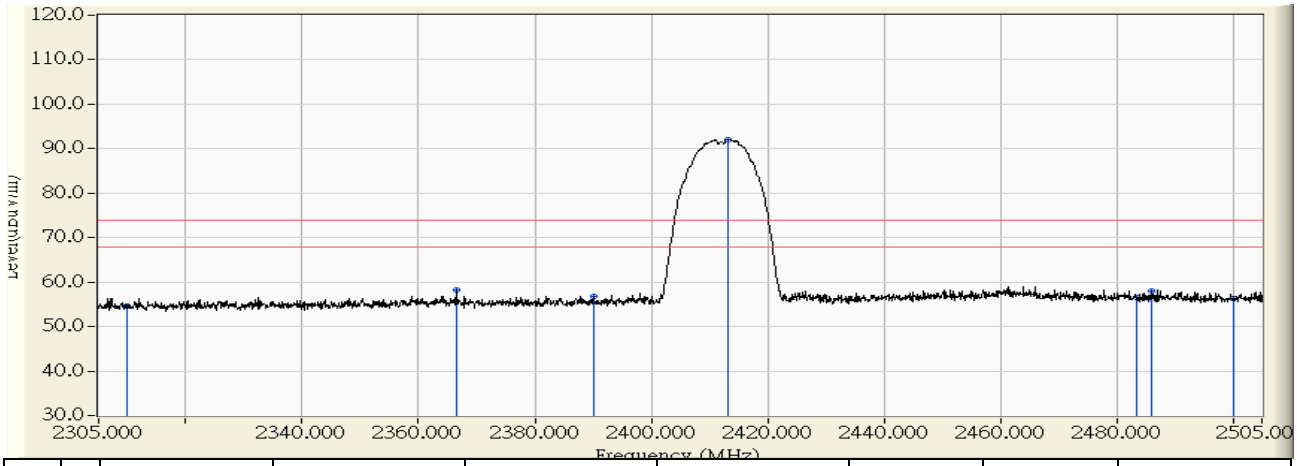


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	14.562	44.973	-9.027	54.000	AVERAGE
2		2363.900	30.971	20.875	51.845	-2.155	54.000	AVERAGE
3		2390.000	31.241	20.582	51.823	-2.177	54.000	AVERAGE
4	*	2411.200	31.461	76.657	108.118	54.118	54.000	AVERAGE
5		2483.500	31.980	19.173	51.152	-2.848	54.000	AVERAGE
6		2500.000	31.934	18.786	50.721	-3.279	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/06/27 - 17:45**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power :**
EUT : Wireless Outdoor Access Point	**Note : Mode 1: Transmit_802.11b_2412MHz**

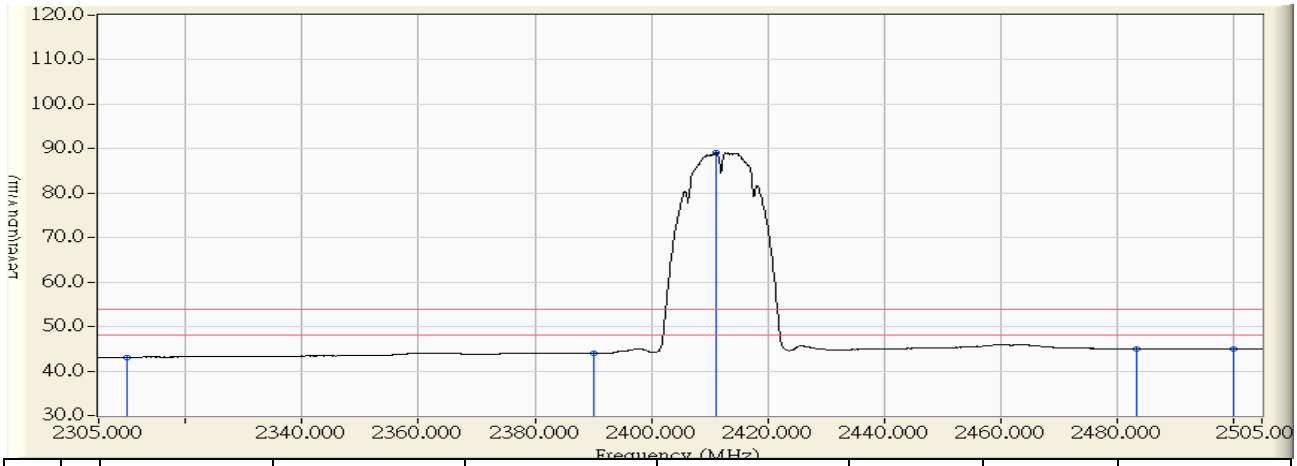


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	24.254	54.665	-19.335	74.000	PEAK
2		2366.500	30.998	27.132	58.129	-15.871	74.000	PEAK
3		2390.000	31.241	25.659	56.900	-17.100	74.000	PEAK
4	*	2413.100	31.480	60.624	92.104	18.104	74.000	PEAK
5		2483.500	31.980	24.596	56.575	-17.425	74.000	PEAK
6		2485.900	31.973	26.044	58.017	-15.983	74.000	PEAK
7		2500.000	31.934	24.434	56.369	-17.631	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/27 - 17:43**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power :**
EUT : Wireless Outdoor Access Point	**Note : Mode 1: Transmit_802.11b_2412MHz**

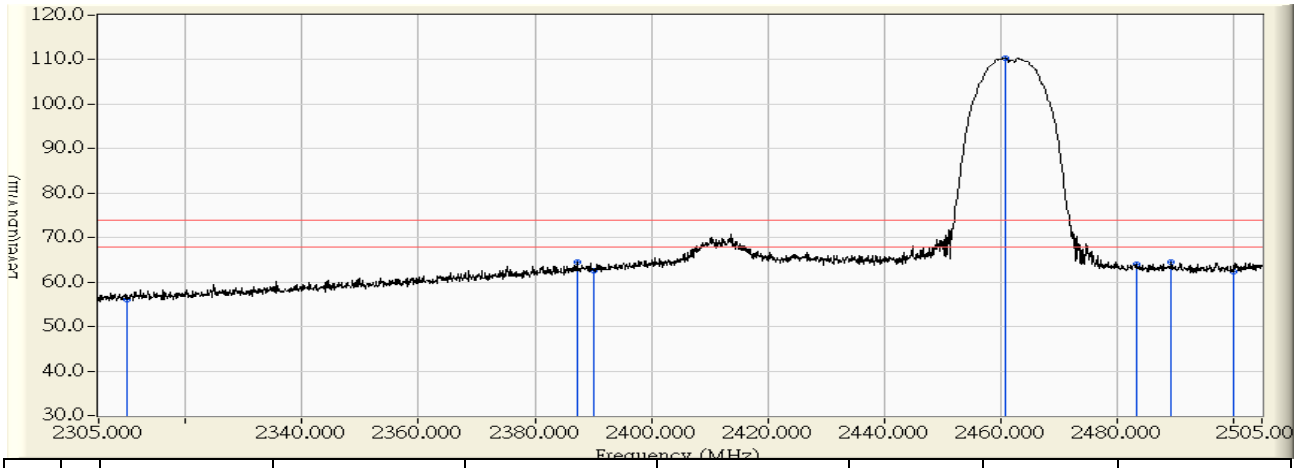


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	12.704	43.115	-10.885	54.000	AVERAGE
2		2390.000	31.241	12.840	44.081	-9.919	54.000	AVERAGE
3	*	2411.200	31.461	57.657	89.118	35.118	54.000	AVERAGE
4		2483.500	31.980	12.998	44.977	-9.023	54.000	AVERAGE
5		2500.000	31.934	12.971	44.906	-9.094	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/06/27 - 17:36**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power :**
EUT : Wireless Outdoor Access Point	**Note : Mode 1: Transmit_802.11b_2462MHz**

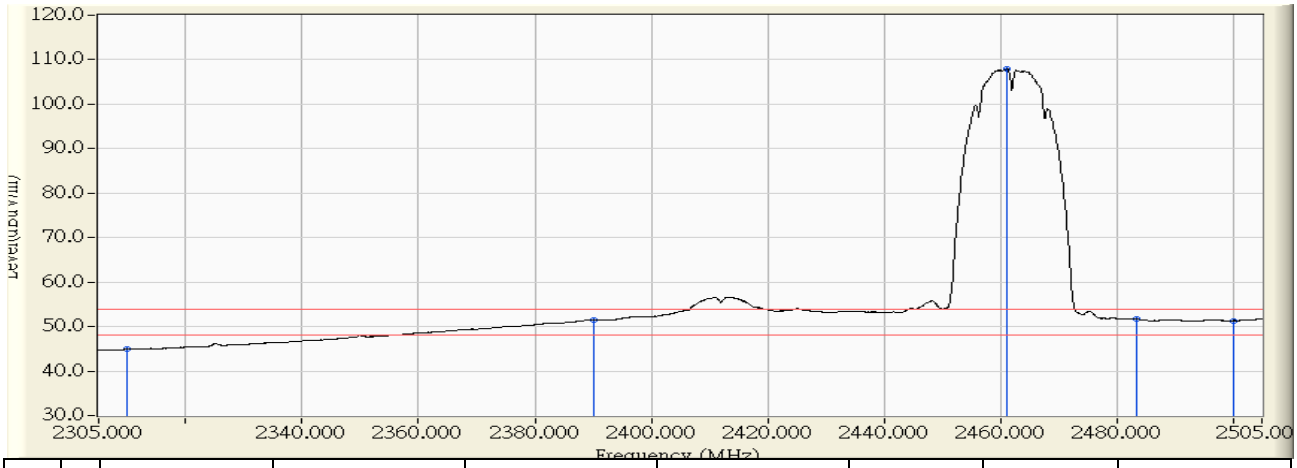


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	25.735	56.146	-17.854	74.000	PEAK
2		2387.200	31.212	33.185	64.397	-9.603	74.000	PEAK
3		2390.000	31.241	31.411	62.652	-11.348	74.000	PEAK
4	*	2461.000	31.977	78.441	110.418	36.418	74.000	PEAK
5		2483.500	31.980	32.018	63.997	-10.003	74.000	PEAK
6		2489.400	31.963	32.462	64.425	-9.575	74.000	PEAK
7		2500.000	31.934	30.359	62.294	-11.706	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/27 - 17:28**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power :**
EUT : Wireless Outdoor Access Point	**Note : Mode 1: Transmit_802.11b_2462MHz**

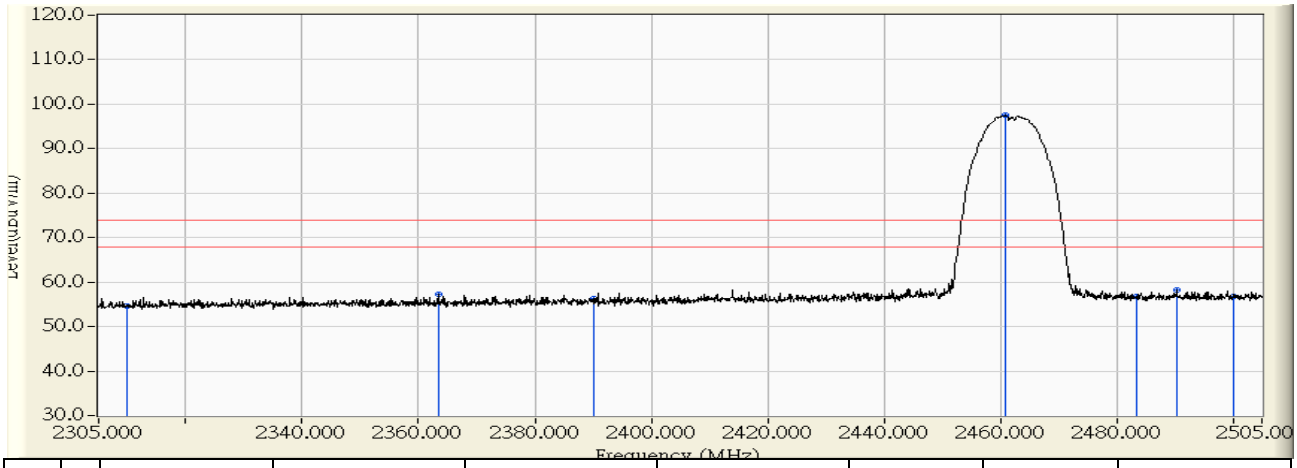


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	14.488	44.899	-9.101	54.000	AVERAGE
2		2390.000	31.241	20.183	51.424	-2.576	54.000	AVERAGE
3	*	2461.200	31.979	75.998	107.977	53.977	54.000	AVERAGE
4		2483.500	31.980	19.803	51.782	-2.218	54.000	AVERAGE
5		2500.000	31.934	19.410	51.345	-2.655	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/06/27 - 17:33**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power :**
EUT : Wireless Outdoor Access Point	**Note : Mode 1: Transmit_802.11b_2462MHz**

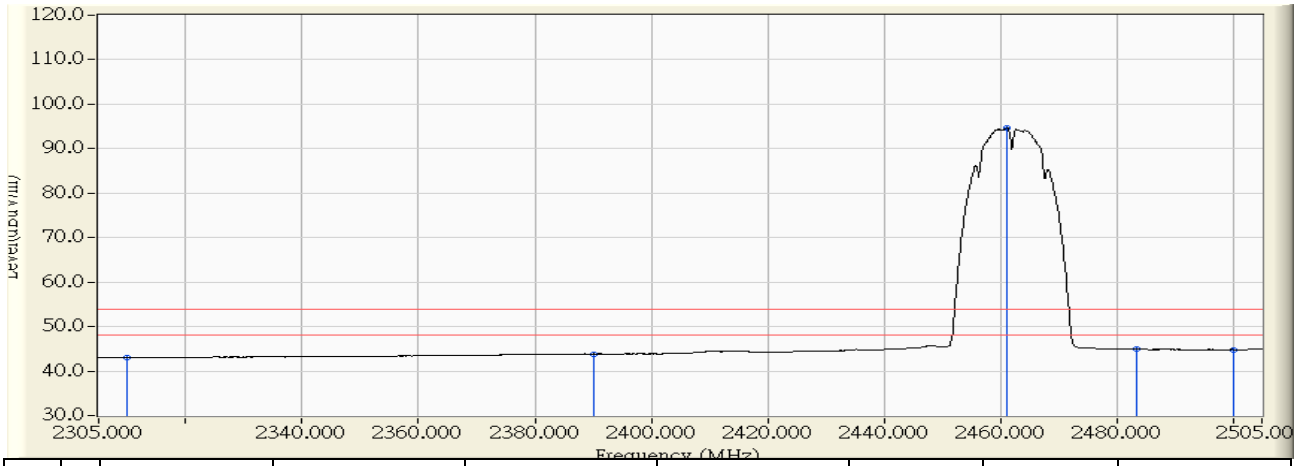


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	24.122	54.533	-19.467	74.000	PEAK
2		2363.400	30.965	26.229	57.194	-16.806	74.000	PEAK
3		2390.000	31.241	25.007	56.248	-17.752	74.000	PEAK
4	*	2460.900	31.976	65.464	97.440	23.440	74.000	PEAK
5		2483.500	31.980	24.738	56.717	-17.283	74.000	PEAK
6		2490.400	31.961	26.368	58.329	-15.671	74.000	PEAK
7		2500.000	31.934	24.760	56.695	-17.305	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/27 - 17:31**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power :**
EUT : Wireless Outdoor Access Point	**Note : Mode 1: Transmit_802.11b_2462MHz**

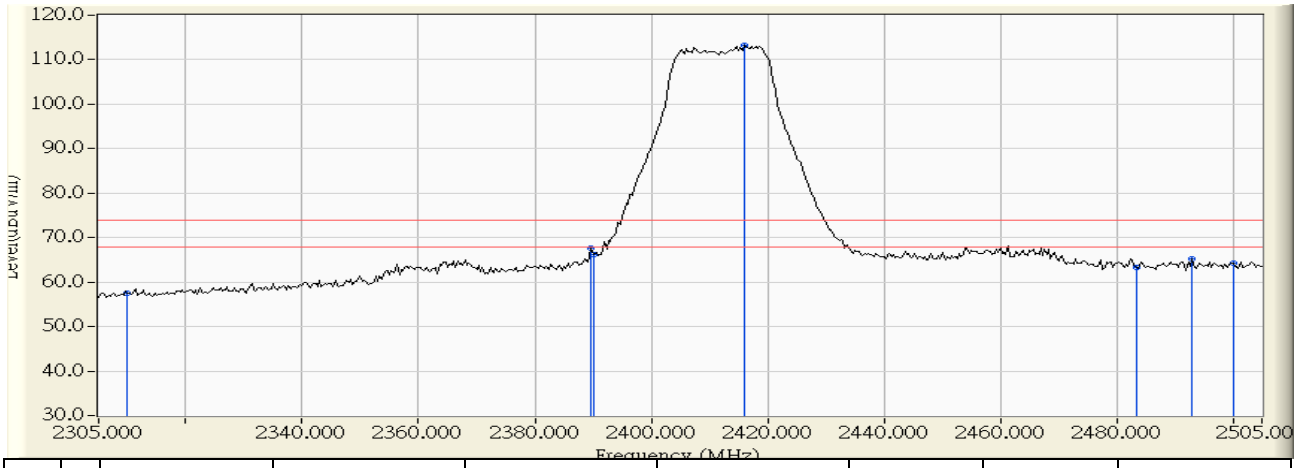


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	12.554	42.965	-11.035	54.000	AVERAGE
2		2390.000	31.241	12.631	43.872	-10.128	54.000	AVERAGE
3	*	2461.200	31.979	62.677	94.656	40.656	54.000	AVERAGE
4		2483.500	31.980	12.948	44.927	-9.073	54.000	AVERAGE
5		2500.000	31.934	12.892	44.827	-9.173	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/06/27 - 16:45**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power :**
EUT : Wireless Outdoor Access Point	**Note : Mode 1: Transmit_802.11g_2412MHz**

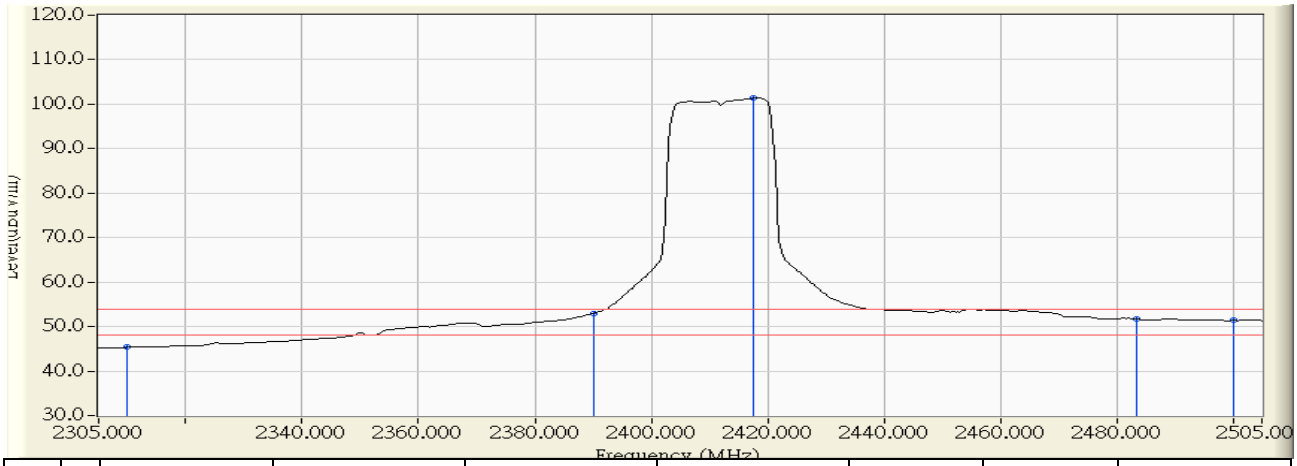


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	27.106	57.517	-16.483	74.000	PEAK
2		2389.667	31.238	36.332	67.569	-6.431	74.000	PEAK
3		2390.000	31.241	34.832	66.073	-7.927	74.000	PEAK
4	*	2416.000	31.511	81.772	113.283	39.283	74.000	PEAK
5		2483.500	31.980	31.378	63.357	-10.643	74.000	PEAK
6		2493.000	31.953	33.268	65.222	-8.778	74.000	PEAK
7		2500.000	31.934	32.219	64.154	-9.846	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/27 - 16:33**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power :**
EUT : Wireless Outdoor Access Point	**Note : Mode 1: Transmit_802.11g_2412MHz**

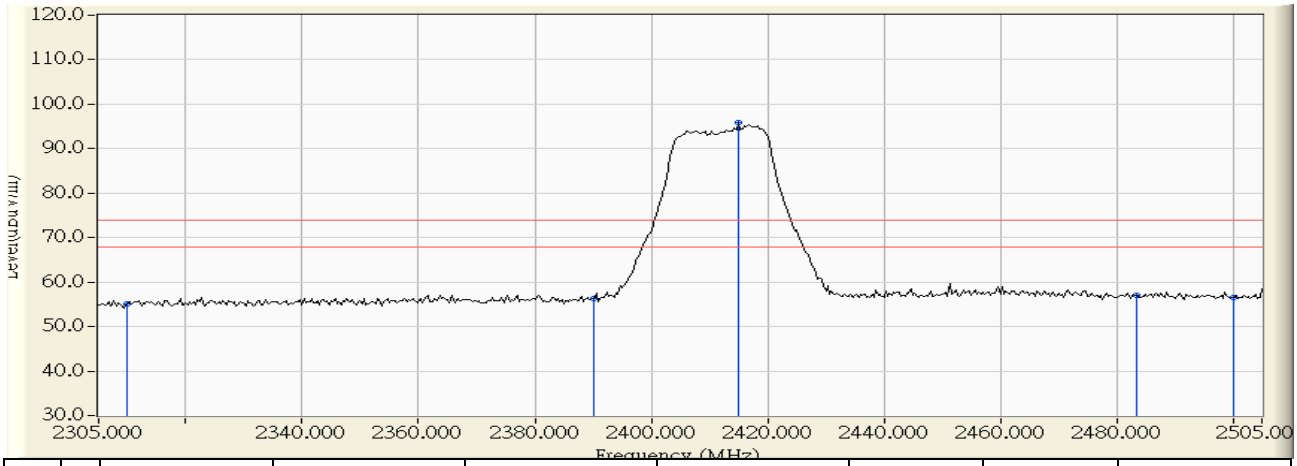


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	14.931	45.342	-8.658	54.000	AVERAGE
2		2390.000	31.241	21.701	52.942	-1.058	54.000	AVERAGE
3	*	2417.667	31.528	69.821	101.349	47.349	54.000	AVERAGE
4		2483.500	31.980	19.670	51.649	-2.351	54.000	AVERAGE
5		2500.000	31.934	19.428	51.363	-2.637	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/06/27 - 17:04**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power :**
EUT : Wireless Outdoor Access Point	**Note : Mode 1: Transmit_802.11g_2412MHz**

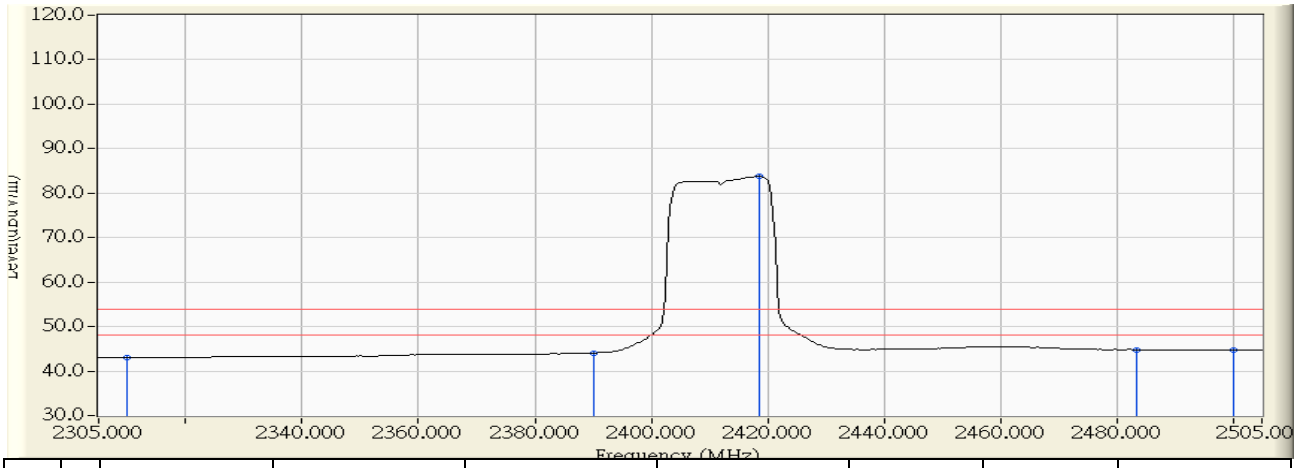


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	24.601	55.012	-18.988	74.000	PEAK
2		2390.000	31.241	25.164	56.405	-17.595	74.000	PEAK
3	*	2415.000	31.500	64.395	95.895	21.895	74.000	PEAK
4		2483.500	31.980	25.012	56.991	-17.009	74.000	PEAK
5		2500.000	31.934	24.725	56.660	-17.340	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/27 - 17:01**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power :**
EUT : Wireless Outdoor Access Point	**Note : Mode 1: Transmit_802.11g_2412MHz**

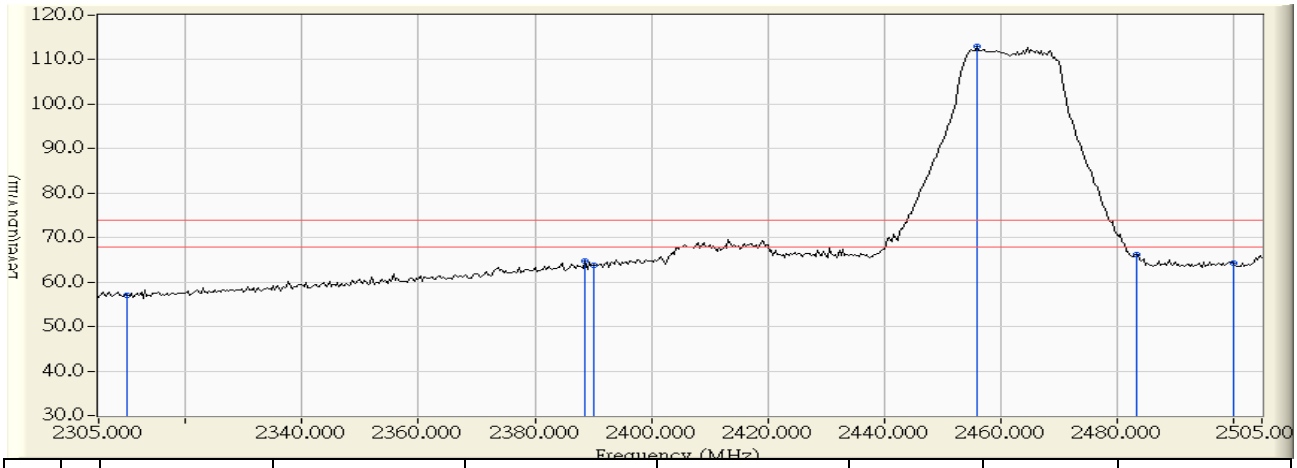


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	12.600	43.011	-10.989	54.000	AVERAGE
2		2390.000	31.241	12.817	44.058	-9.942	54.000	AVERAGE
3	*	2418.667	31.539	52.193	83.731	29.731	54.000	AVERAGE
4		2483.500	31.980	12.804	44.783	-9.217	54.000	AVERAGE
5		2500.000	31.934	12.744	44.679	-9.321	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/06/27 - 16:48**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power :**
EUT : Wireless Outdoor Access Point	**Note : Mode 1: Transmit_802.11g_2462MHz**

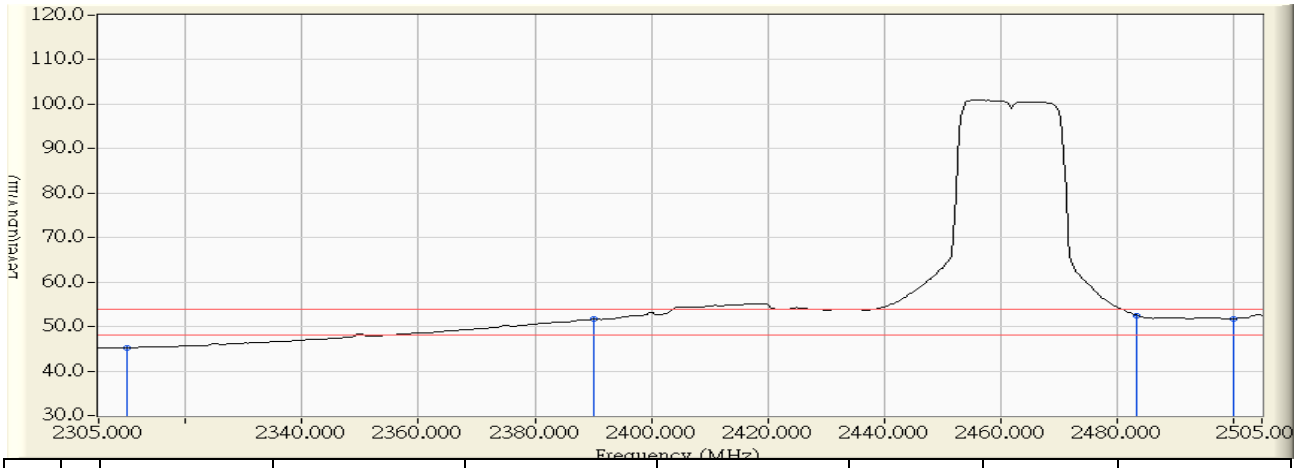


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	26.571	56.982	-17.018	74.000	PEAK
2		2388.667	31.228	33.566	64.793	-9.207	74.000	PEAK
3		2390.000	31.241	32.622	63.863	-10.137	74.000	PEAK
4	*	2456.000	31.925	80.979	112.904	38.904	74.000	PEAK
5		2483.500	31.980	34.178	66.157	-7.843	74.000	PEAK
6		2500.000	31.934	32.299	64.234	-9.766	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/27 - 16:36**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power :**
EUT : Wireless Outdoor Access Point	**Note : Mode 1: Transmit_802.11g_2462MHz**

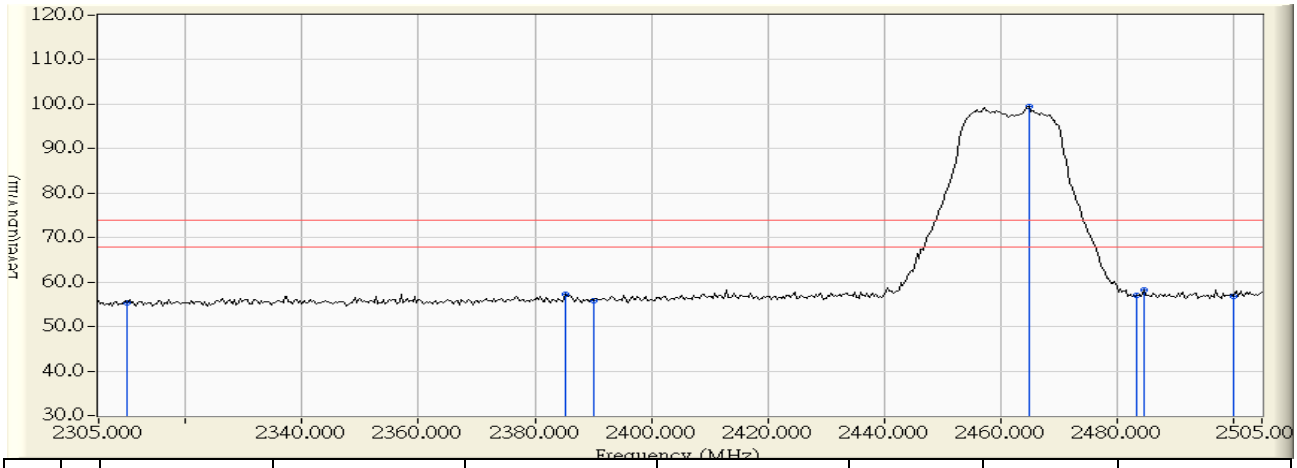


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	14.812	45.223	-8.777	54.000	AVERAGE
2		2390.000	31.241	20.390	51.631	-2.369	54.000	AVERAGE
3	*	2483.500	31.980	20.540	52.519	-1.481	54.000	AVERAGE
4		2500.000	31.934	19.898	51.833	-2.167	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/06/27 - 16:52**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power :**
EUT : Wireless Outdoor Access Point	**Note : Mode 1: Transmit_802.11g_2462MHz**

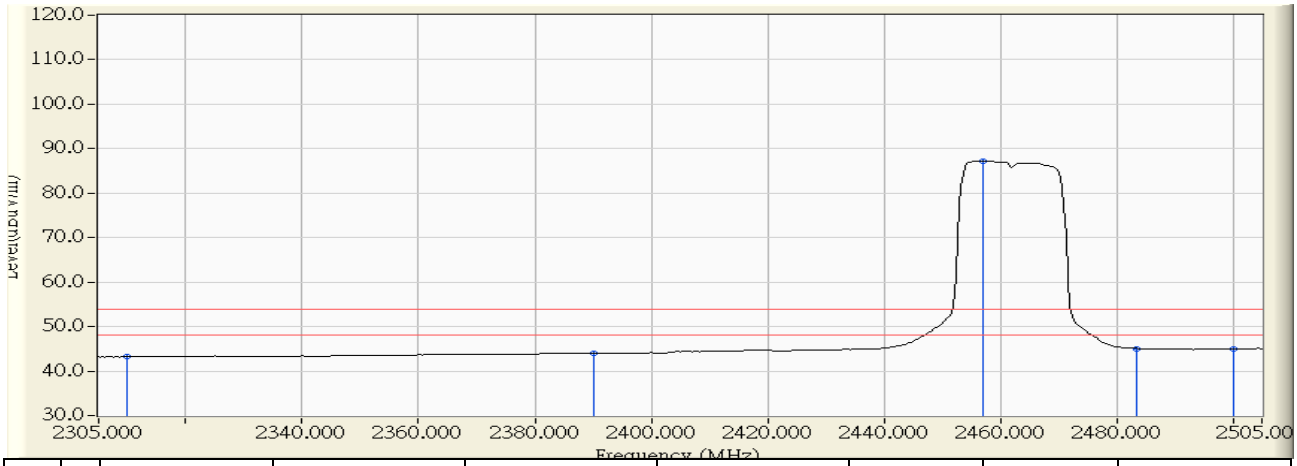


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	25.004	55.415	-18.585	74.000	PEAK
2		2385.333	31.193	26.156	57.349	-16.651	74.000	PEAK
3		2390.000	31.241	24.614	55.855	-18.145	74.000	PEAK
4	*	2465.000	31.988	67.448	99.436	25.436	74.000	PEAK
5		2483.500	31.980	24.979	56.958	-17.042	74.000	PEAK
6		2484.667	31.977	26.193	58.169	-15.831	74.000	PEAK
7		2500.000	31.934	24.870	56.805	-17.195	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/27 - 16:55**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power :**
EUT : Wireless Outdoor Access Point	**Note : Mode 1: Transmit_802.11g_2462MHz**

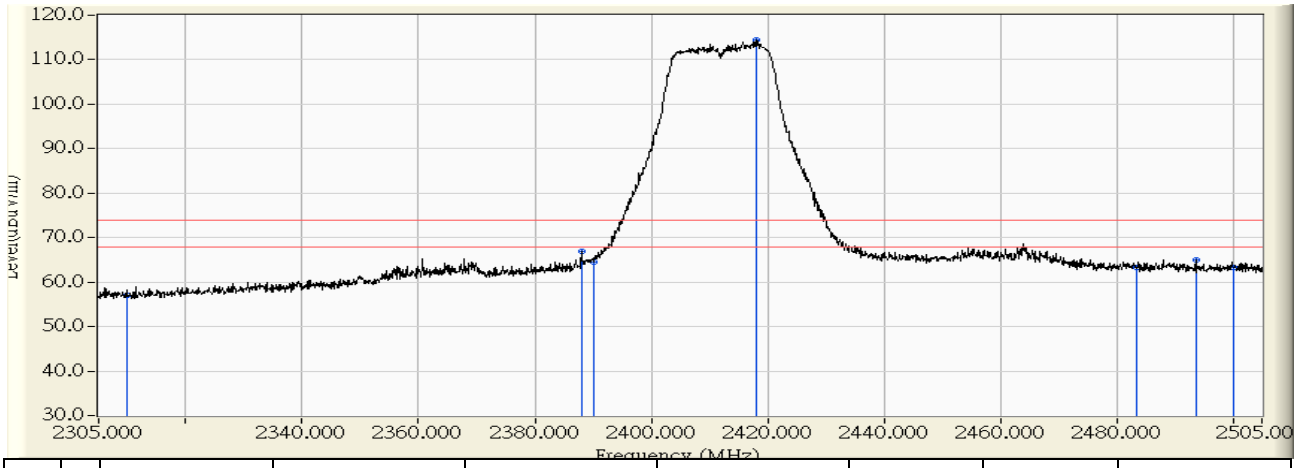


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	12.742	43.153	-10.847	54.000	AVERAGE
2		2390.000	31.241	12.831	44.072	-9.928	54.000	AVERAGE
3	*	2457.000	31.936	55.259	87.195	33.195	54.000	AVERAGE
4		2483.500	31.980	13.085	45.064	-8.936	54.000	AVERAGE
5		2500.000	31.934	12.984	44.919	-9.081	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/06/27 - 18:00**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power :**
EUT : Wireless Outdoor Access Point	**Note : Mode 1: Transmit_802.11n20M_2412MHz**

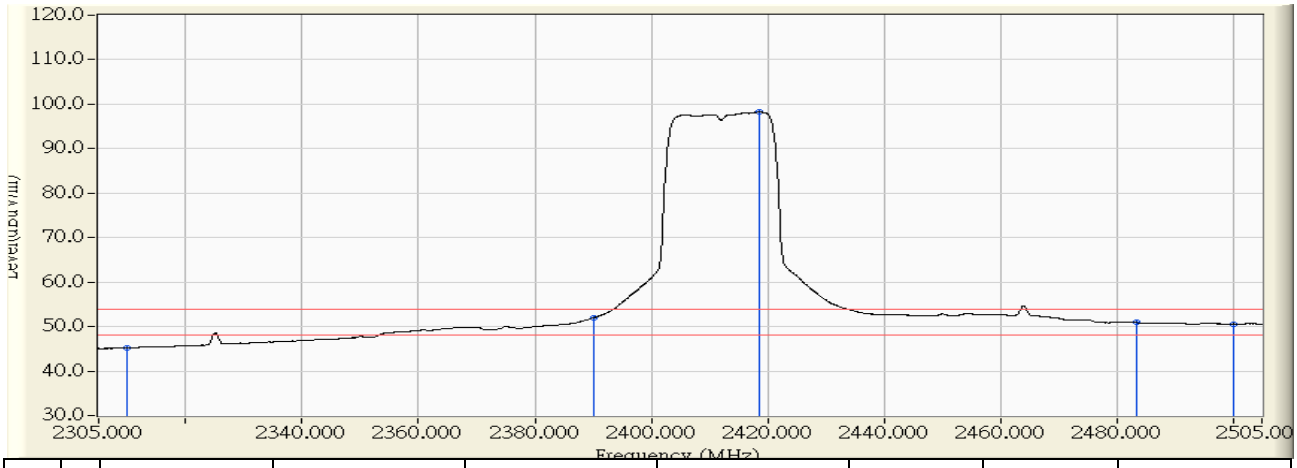


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	26.634	57.045	-16.955	74.000	PEAK
2		2388.000	31.220	35.617	66.837	-7.163	74.000	PEAK
3		2390.000	31.241	33.253	64.494	-9.506	74.000	PEAK
4	*	2418.100	31.532	82.967	114.499	40.499	74.000	PEAK
5		2483.500	31.980	31.220	63.199	-10.801	74.000	PEAK
6		2493.700	31.952	33.034	64.986	-9.014	74.000	PEAK
7		2500.000	31.934	31.424	63.359	-10.641	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/27 - 17:56**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power :**
EUT : Wireless Outdoor Access Point	**Note : Mode 1: Transmit_802.11n20M_2412MHz**

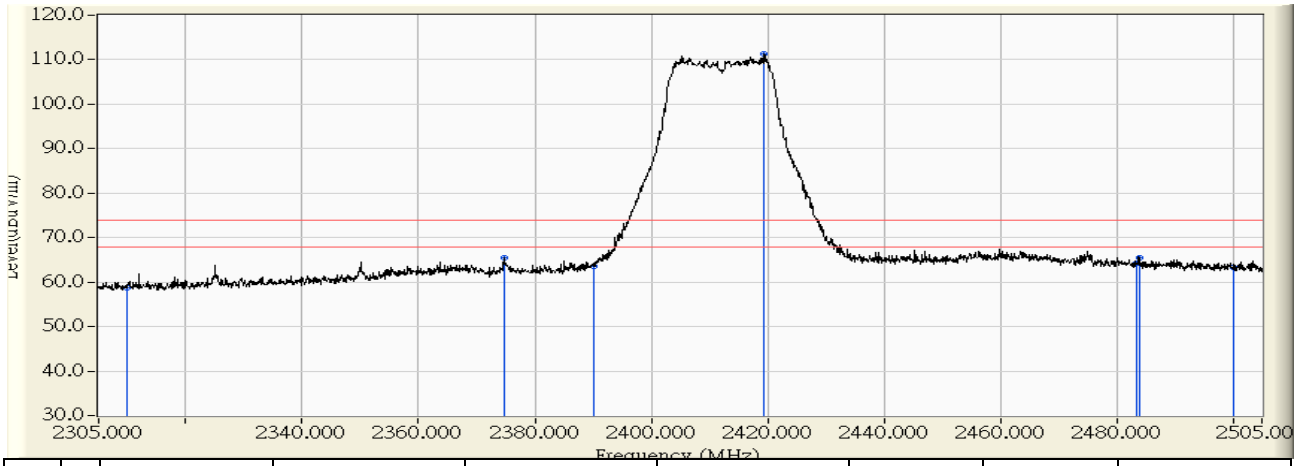


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	14.816	45.227	-8.773	54.000	AVERAGE
2		2390.000	31.241	20.690	51.931	-2.069	54.000	AVERAGE
3	*	2418.700	31.539	66.704	98.243	44.243	54.000	AVERAGE
4		2483.500	31.980	18.907	50.886	-3.114	54.000	AVERAGE
5		2500.000	31.934	18.661	50.596	-3.404	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/06/27 - 18:57**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power :**
EUT : Wireless Outdoor Access Point	**Note : Mode 1: Transmit_802.11n20M_2412MHz**

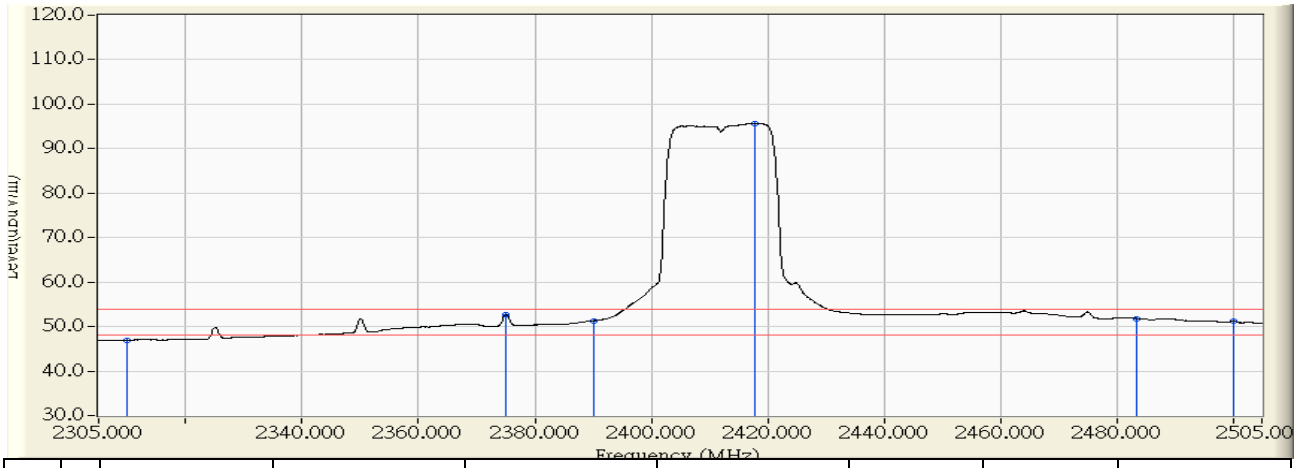


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	28.346	58.757	-15.243	74.000	PEAK
2		2374.700	31.082	34.298	65.380	-8.620	74.000	PEAK
3		2390.000	31.241	32.309	63.550	-10.450	74.000	PEAK
4	*	2419.300	31.544	79.674	111.219	37.219	74.000	PEAK
5		2483.500	31.980	32.304	64.283	-9.717	74.000	PEAK
6		2484.100	31.977	33.500	65.478	-8.522	74.000	PEAK
7		2500.000	31.934	31.433	63.368	-10.632	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/27 - 18:54**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power :**
EUT : Wireless Outdoor Access Point	**Note : Mode 1: Transmit_802.11n20M_2412MHz**

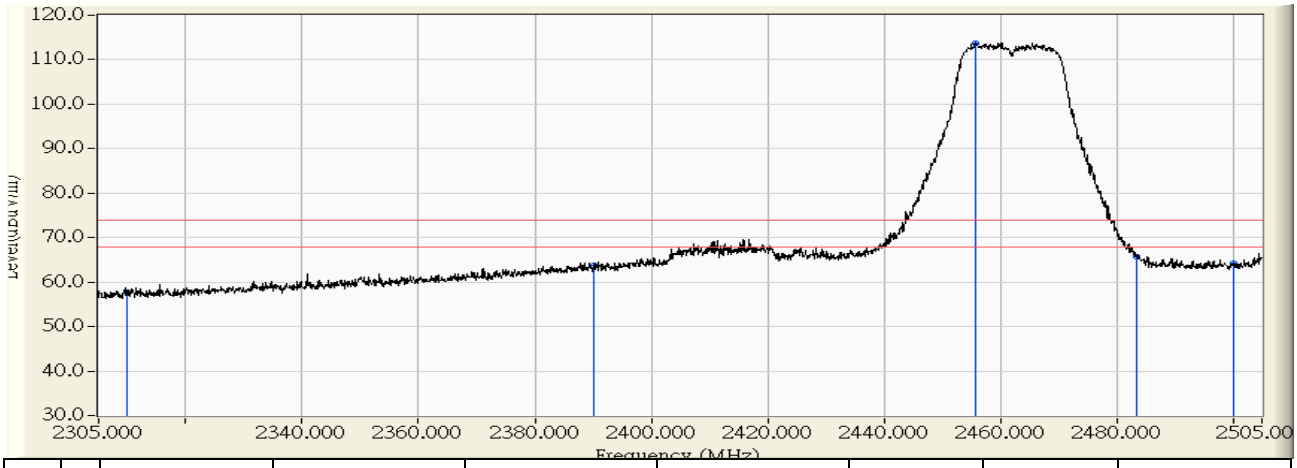


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	16.536	46.947	-7.053	54.000	AVERAGE
2		2375.000	31.086	21.667	52.752	-1.248	54.000	AVERAGE
3		2390.000	31.241	20.091	51.332	-2.668	54.000	AVERAGE
4	*	2417.800	31.530	64.219	95.748	41.748	54.000	AVERAGE
5		2483.500	31.980	19.796	51.775	-2.225	54.000	AVERAGE
6		2500.000	31.934	19.361	51.296	-2.704	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/06/27 - 18:03**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power :**
EUT : Wireless Outdoor Access Point	**Note : Mode 1: Transmit_802.11n20M_2462MHz**

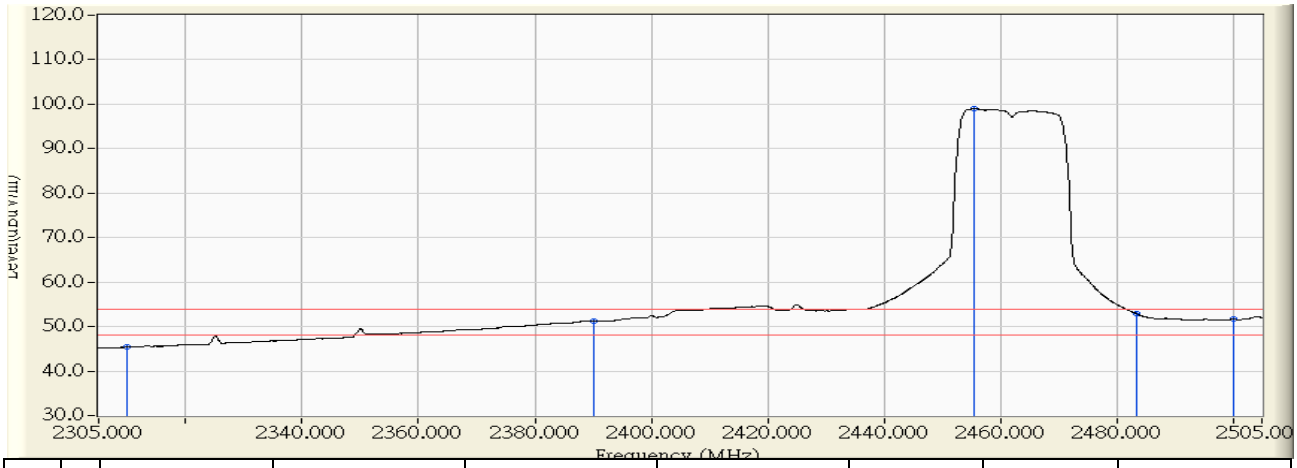


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	27.454	57.865	-16.135	74.000	PEAK
2		2390.000	31.241	32.423	63.664	-10.336	74.000	PEAK
3	*	2455.700	31.922	81.856	113.778	39.778	74.000	PEAK
4		2483.500	31.980	33.756	65.735	-8.265	74.000	PEAK
5		2500.000	31.934	32.250	64.185	-9.815	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/27 - 18:06**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power :**
EUT : Wireless Outdoor Access Point	**Note : Mode 1: Transmit_802.11n20M_2462MHz**

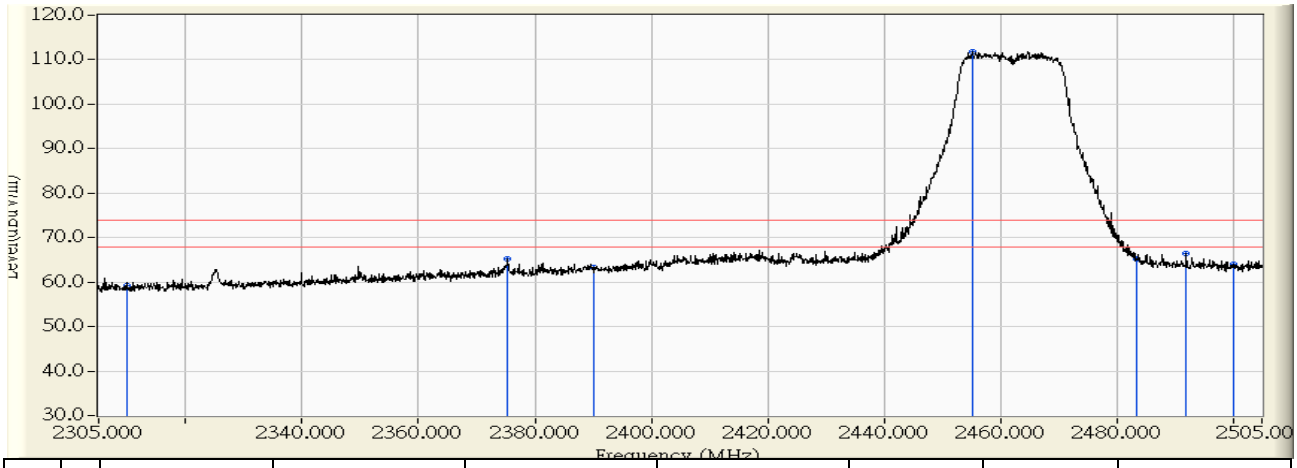


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	14.958	45.369	-8.631	54.000	AVERAGE
2		2390.000	31.241	19.980	51.221	-2.779	54.000	AVERAGE
3	*	2455.500	31.920	67.193	99.113	45.113	54.000	AVERAGE
4		2483.500	31.980	20.869	52.848	-1.152	54.000	AVERAGE
5		2500.000	31.934	19.880	51.815	-2.185	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/06/27 - 18:59**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power :**
EUT : Wireless Outdoor Access Point	**Note : Mode 1: Transmit_802.11n20M_2462MHz**

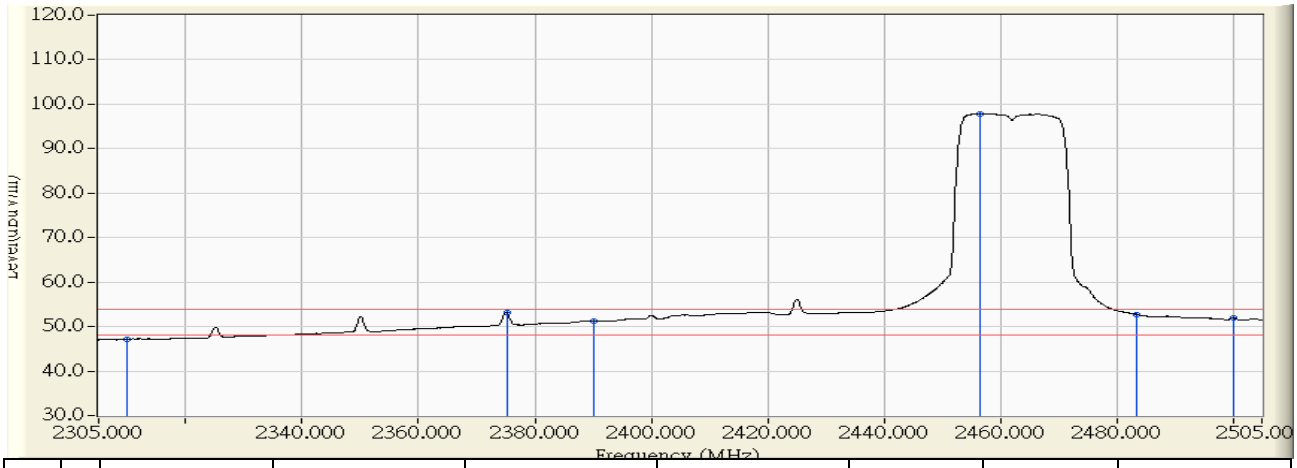


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	28.868	59.279	-14.721	74.000	PEAK
2		2375.300	31.089	34.203	65.291	-8.709	74.000	PEAK
3		2390.000	31.241	32.012	63.253	-10.747	74.000	PEAK
4	*	2455.200	31.917	79.889	111.806	37.806	74.000	PEAK
5		2483.500	31.980	33.308	65.287	-8.713	74.000	PEAK
6		2492.000	31.957	34.440	66.396	-7.604	74.000	PEAK
7		2500.000	31.934	32.153	64.088	-9.912	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/27 - 18:50**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power :**
EUT : Wireless Outdoor Access Point	**Note : Mode 1: Transmit_802.11n20M_2462MHz**

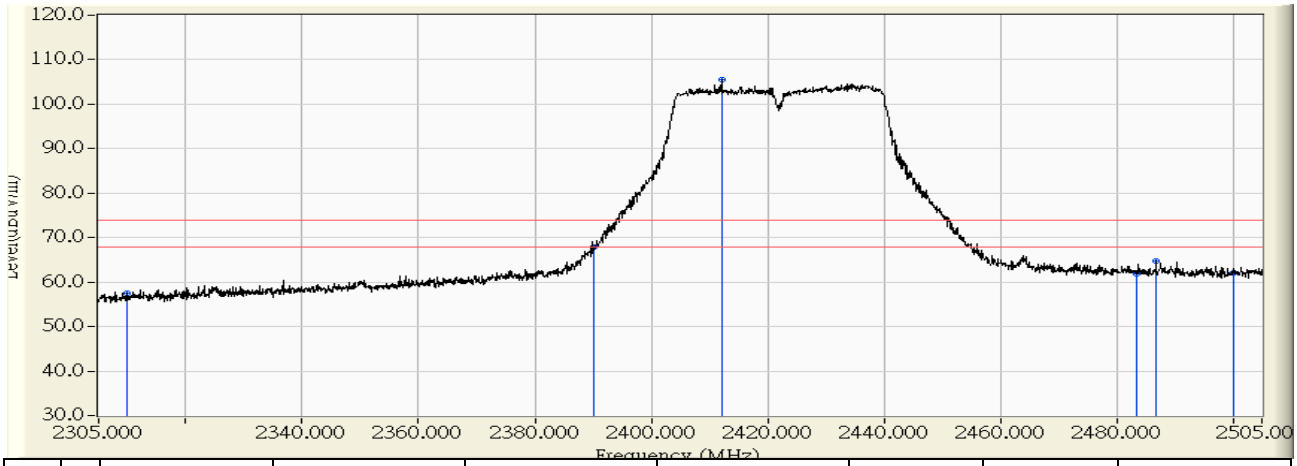


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	16.754	47.165	-6.835	54.000	AVERAGE
2		2375.200	31.088	22.075	53.162	-0.838	54.000	AVERAGE
3		2390.000	31.241	20.016	51.257	-2.743	54.000	AVERAGE
4	*	2456.600	31.932	65.963	97.895	43.895	54.000	AVERAGE
5		2483.500	31.980	20.700	52.679	-1.321	54.000	AVERAGE
6		2500.000	31.934	19.964	51.899	-2.101	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/06/27 - 19:28**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power :**
EUT : Wireless Outdoor Access Point	**Note : Mode 1: Transmit_802.11n40M_2422MHz**

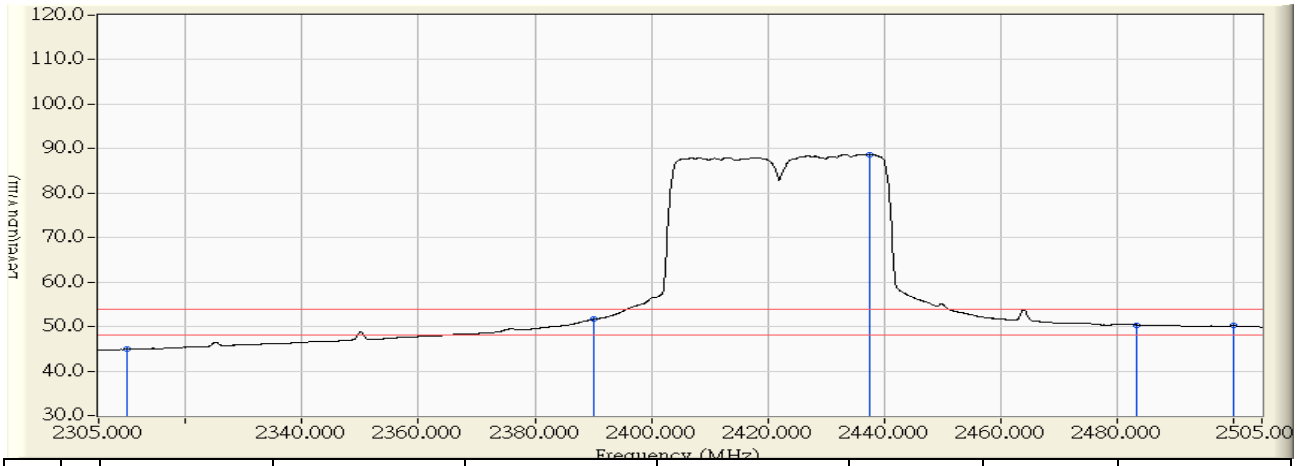


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	27.199	57.610	-16.390	74.000	PEAK
2		2390.000	31.241	36.574	67.815	-6.185	74.000	PEAK
3	*	2412.100	31.470	74.015	105.485	31.485	74.000	PEAK
4		2483.500	31.980	29.919	61.898	-12.102	74.000	PEAK
5		2486.800	31.970	32.756	64.727	-9.273	74.000	PEAK
6		2500.000	31.934	30.257	62.192	-11.808	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/27 - 19:26**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power :**
EUT : Wireless Outdoor Access Point	**Note : Mode 1: Transmit_802.11n40M_2422MHz**

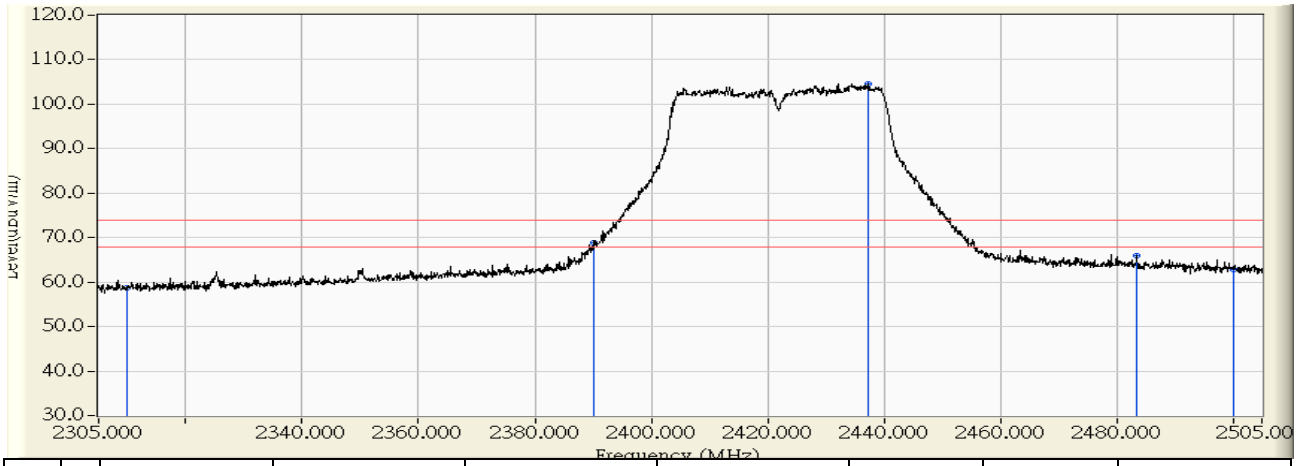


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	14.482	44.893	-9.107	54.000	AVERAGE
2		2390.000	31.241	20.356	51.597	-2.403	54.000	AVERAGE
3	*	2437.500	31.734	57.001	88.735	34.735	54.000	AVERAGE
4		2483.500	31.980	18.393	50.372	-3.628	54.000	AVERAGE
5		2500.000	31.934	18.327	50.262	-3.738	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/06/27 - 19:30**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power :**
EUT : Wireless Outdoor Access Point	**Note : Mode 1: Transmit_802.11n40M_2422MHz**

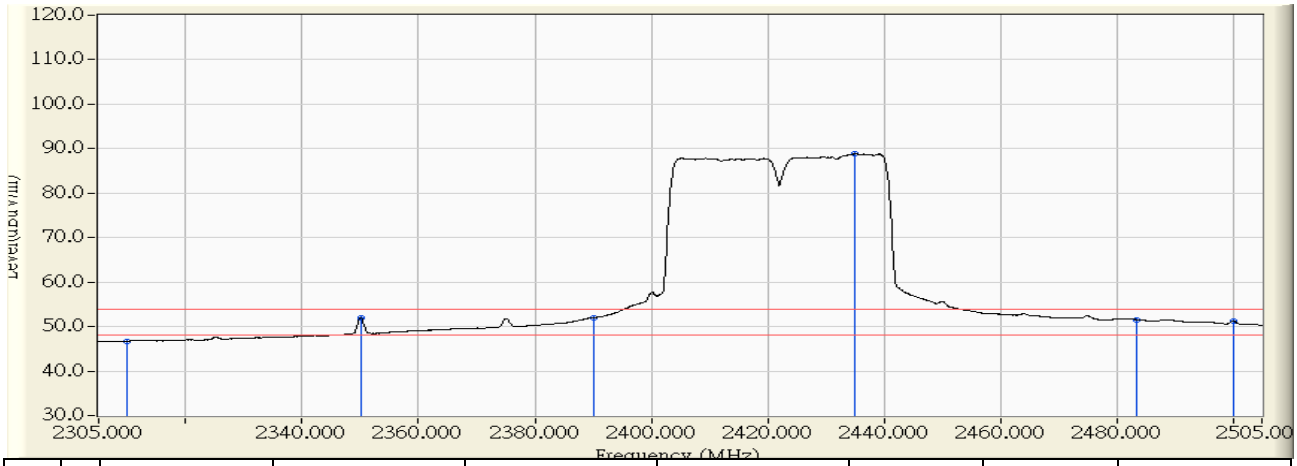


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	28.315	58.726	-15.274	74.000	PEAK
2		2390.000	31.241	37.499	68.740	-5.260	74.000	PEAK
3	*	2437.200	31.730	72.933	104.663	30.663	74.000	PEAK
4		2483.500	31.980	33.922	65.901	-8.099	74.000	PEAK
5		2500.000	31.934	30.933	62.868	-11.132	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/27 - 19:24**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power :**
EUT : Wireless Outdoor Access Point	**Note : Mode 1: Transmit_802.11n40M_2422MHz**

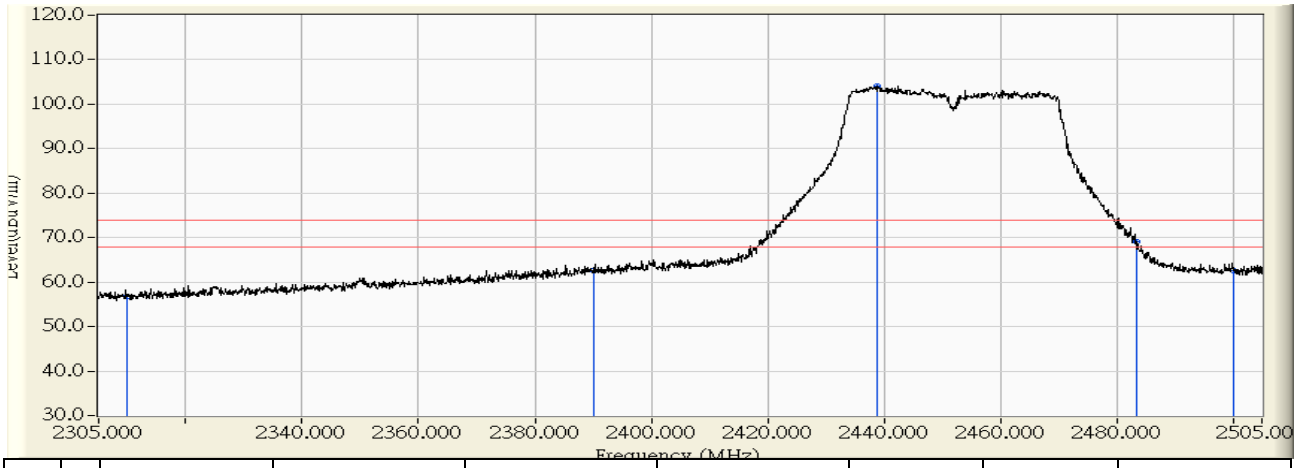


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	16.307	46.718	-7.282	54.000	AVERAGE
2		2350.100	30.827	21.193	52.020	-1.980	54.000	AVERAGE
3		2390.000	31.241	20.810	52.051	-1.949	54.000	AVERAGE
4	*	2435.000	31.708	57.099	88.807	34.807	54.000	AVERAGE
5		2483.500	31.980	19.576	51.555	-2.445	54.000	AVERAGE
6		2500.000	31.934	19.344	51.279	-2.721	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/06/27 - 19:35**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power :**
EUT : Wireless Outdoor Access Point	**Note : Mode 1: Transmit_802.11n40M_2452MHz**

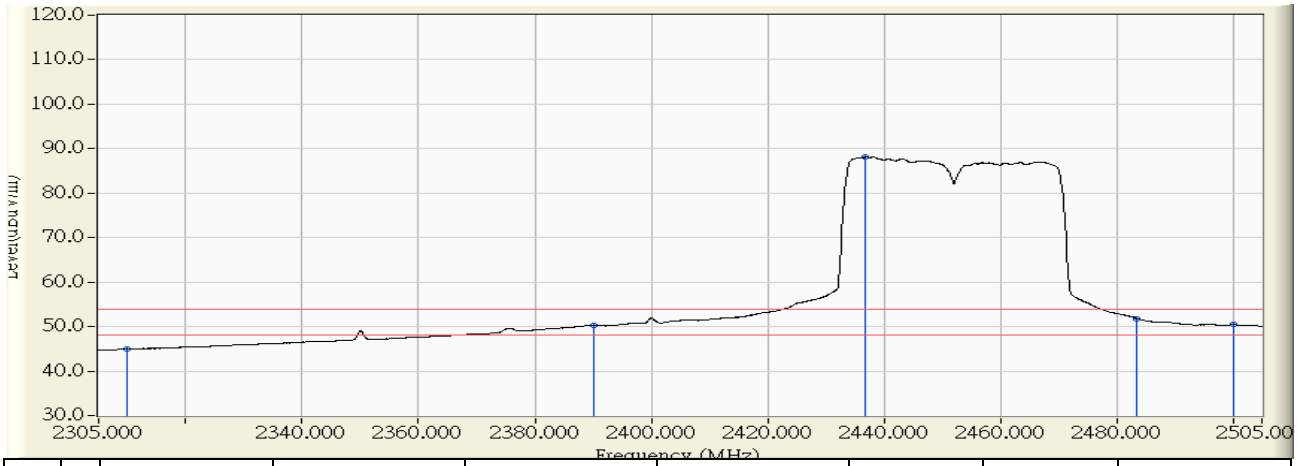


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	26.331	56.742	-17.258	74.000	PEAK
2		2390.000	31.241	31.289	62.530	-11.470	74.000	PEAK
3	*	2438.900	31.748	72.307	104.055	30.055	74.000	PEAK
4		2483.500	31.980	37.045	69.024	-4.976	74.000	PEAK
5		2500.000	31.934	30.745	62.680	-11.320	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/27 - 19:18**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power :**
EUT : Wireless Outdoor Access Point	**Note : Mode 1: Transmit_802.11n40M_2452MHz**

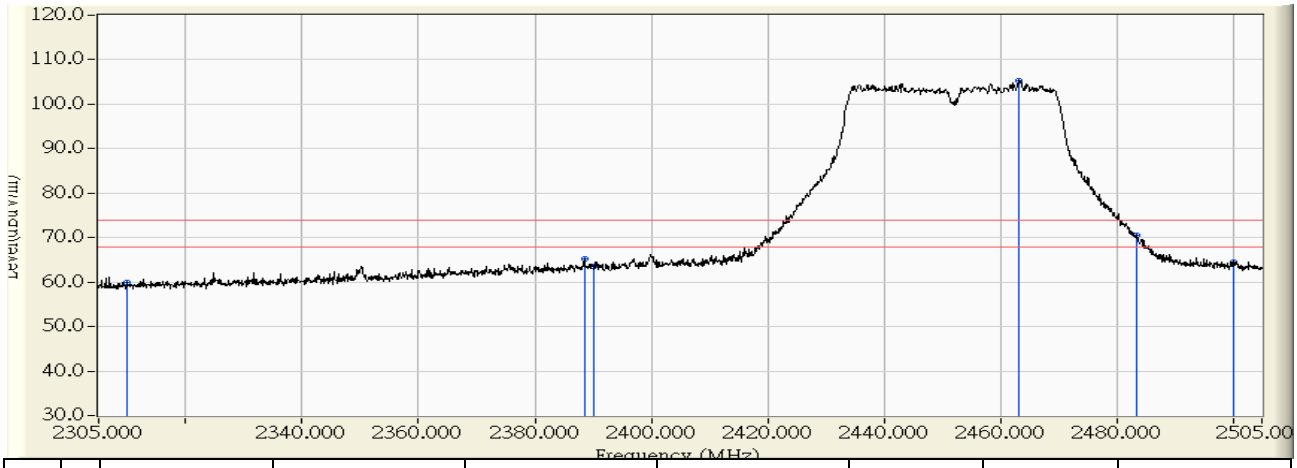


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	14.552	44.963	-9.037	54.000	AVERAGE
2		2390.000	31.241	18.949	50.190	-3.810	54.000	AVERAGE
3	*	2436.900	31.727	56.420	88.147	34.147	54.000	AVERAGE
4		2483.500	31.980	19.814	51.793	-2.207	54.000	AVERAGE
5		2500.000	31.934	18.645	50.580	-3.420	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/06/27 - 19:33**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power :**
EUT : Wireless Outdoor Access Point	**Note : Mode 1: Transmit_802.11n40M_2452MHz**

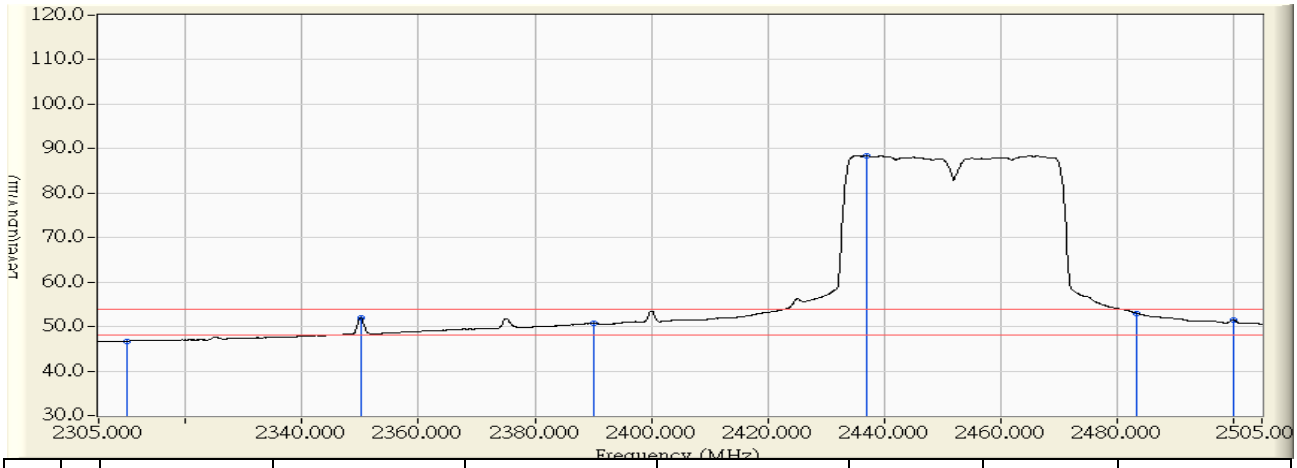


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	29.458	59.869	-14.131	74.000	PEAK
2		2388.500	31.225	34.002	65.227	-8.773	74.000	PEAK
3		2390.000	31.241	32.291	63.532	-10.468	74.000	PEAK
4	*	2463.300	31.988	73.301	105.289	31.289	74.000	PEAK
5		2483.500	31.980	38.503	70.482	-3.518	74.000	PEAK
6		2500.000	31.934	32.541	64.476	-9.524	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/06/27 - 19:15**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power :**
EUT : Wireless Outdoor Access Point	**Note : Mode 1: Transmit_802.11n40M_2452MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	16.338	46.749	-7.251	54.000	AVERAGE
2		2350.100	30.827	21.222	52.049	-1.951	54.000	AVERAGE
3		2390.000	31.241	19.454	50.695	-3.305	54.000	AVERAGE
4	*	2437.000	31.728	56.667	88.395	34.395	54.000	AVERAGE
5		2483.500	31.980	21.017	52.996	-1.004	54.000	AVERAGE
6		2500.000	31.934	19.563	51.498	-2.502	54.000	AVERAGE

Note:

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

7. Occupied Bandwidth

7.1. Test Equipment

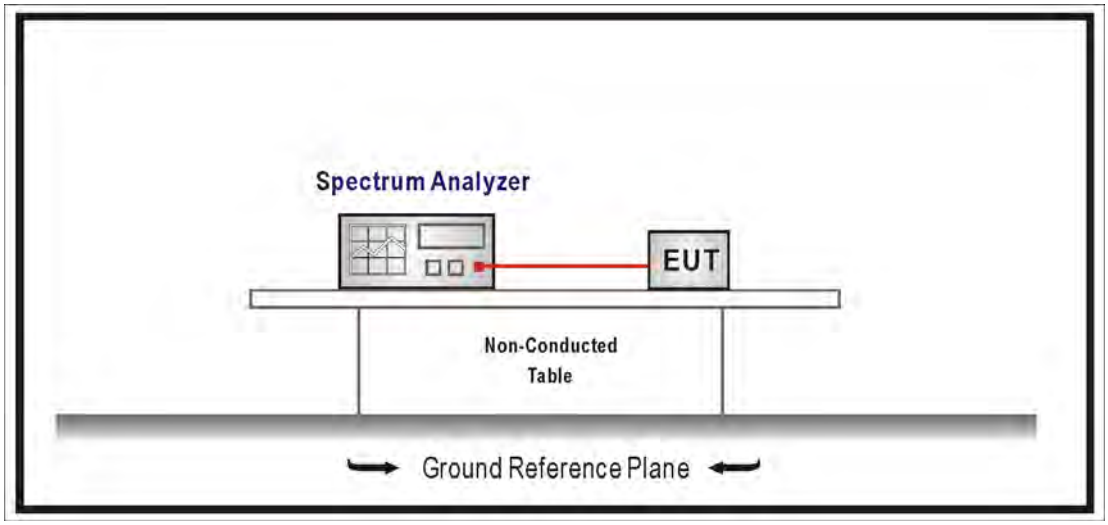
The following test equipments are used during the test:

Occupied Bandwidth / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2014/08/05

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

7.2. Test Setup



7.3. Test Procedures

The EUT was setup according to ANSI C63.4: 2009; tested according to DTS test procedure section 8.1 of KDB558074 v03r01 for compliance to FCC 47CFR 15.247 requirements.
Set RBW = 100KHz, VBW≧3xRBW, Sweep time=Auto, Set Peak detector.

7.4. Limits

The 6 dB bandwidth must be greater than 500 kHz.

7.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2013

7.6. Uncertainty

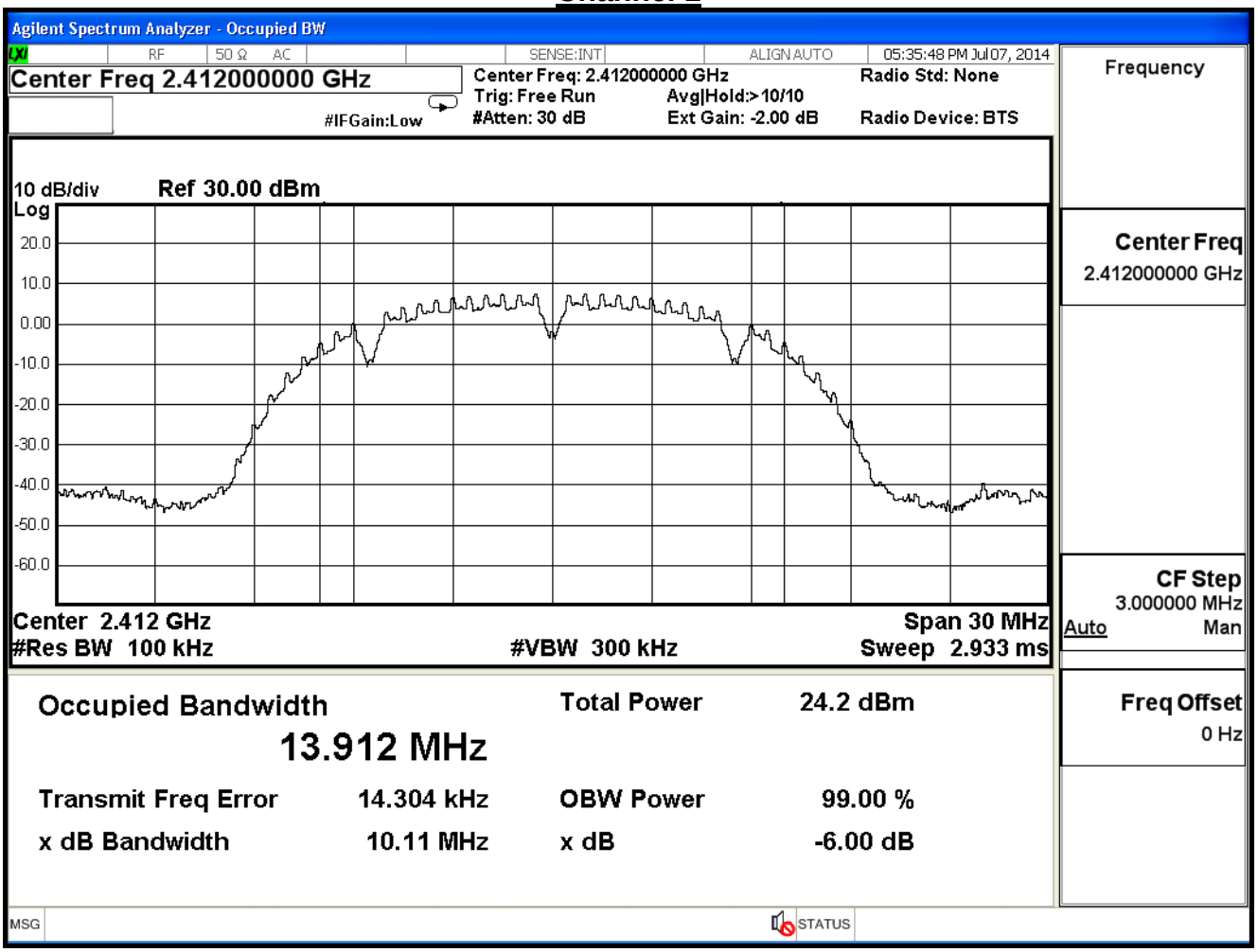
The measurement uncertainty is defined as ±150Hz

7.7. Test Result

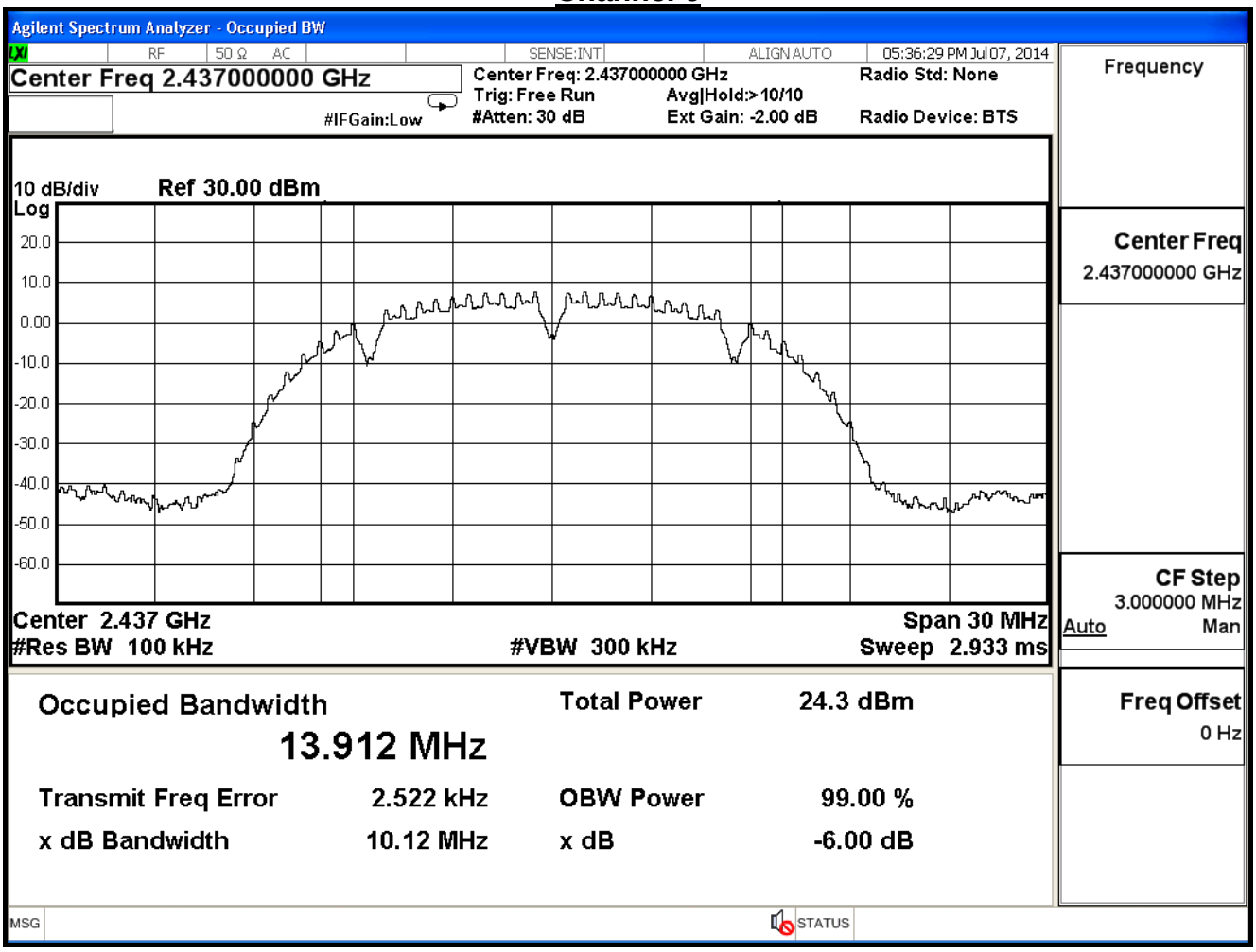
Product	Wireless Outdoor Access Point		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2014/07/08	Test Site	SR7

802.11 b				
Channel No.	Frequency (MHz)	Measurement Value (MHz)	Required Limit (MHz)	Result
1	2412	10.11	≧0.5	Pass
6	2437	10.12	≧0.5	Pass
11	2462	10.12	≧0.5	Pass

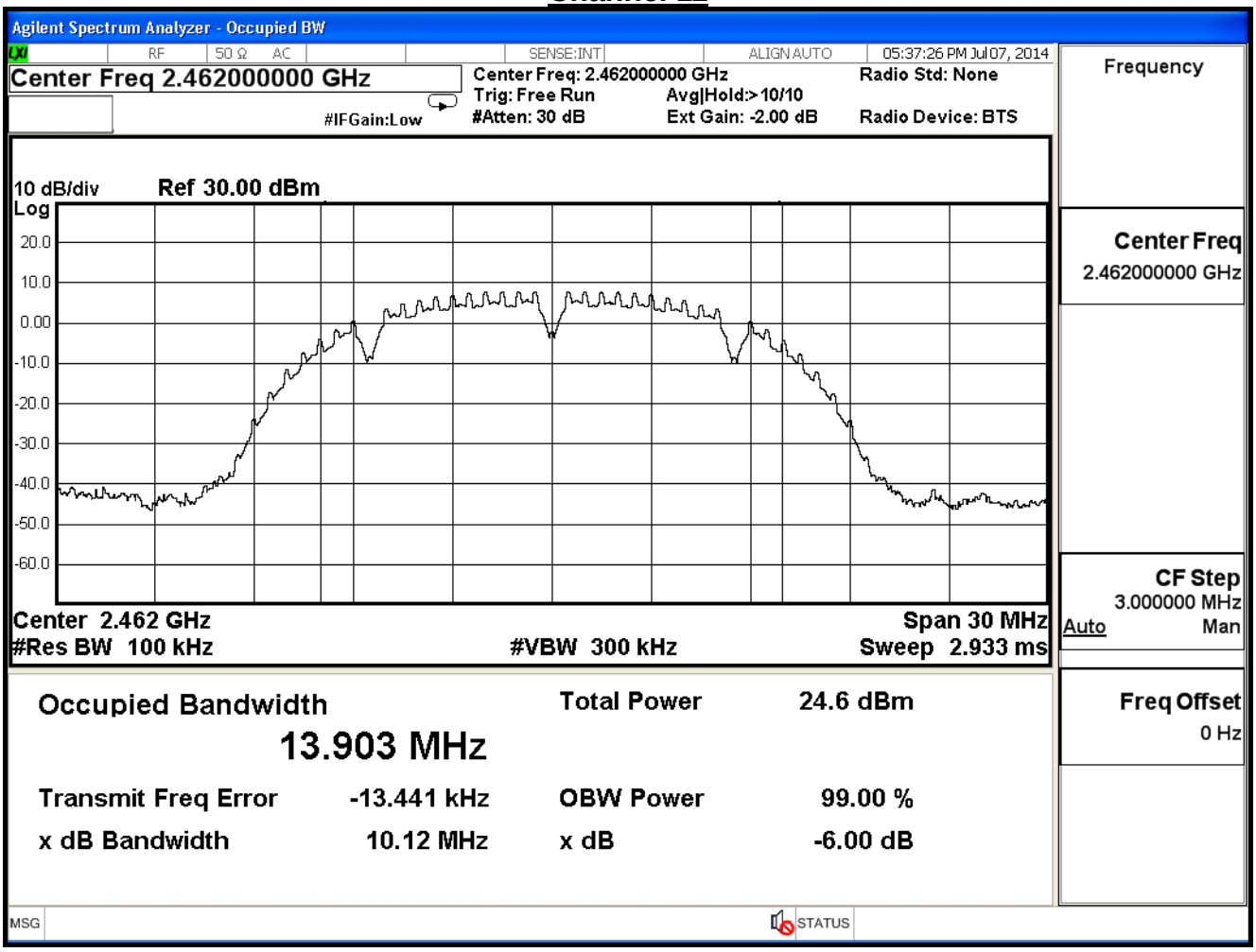
Channel 1



Channel 6


Agilent Spectrum Analyzer - Occupied BW
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
05:36:29 PM Jul 07, 2014
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#IFGain:Low
#Atten: 30 dB
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.437000000 GHz
CF Step
3.000000 MHz
Auto
Man
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 30 MHz
Sweep 2.933 ms
Occupied Bandwidth
13.912 MHz
Total Power
24.3 dBm
Transmit Freq Error
2.522 kHz
OBW Power
99.00 %
x dB Bandwidth
10.12 MHz
x dB
-6.00 dB
Freq Offset
0 Hz
MSG
STATUS

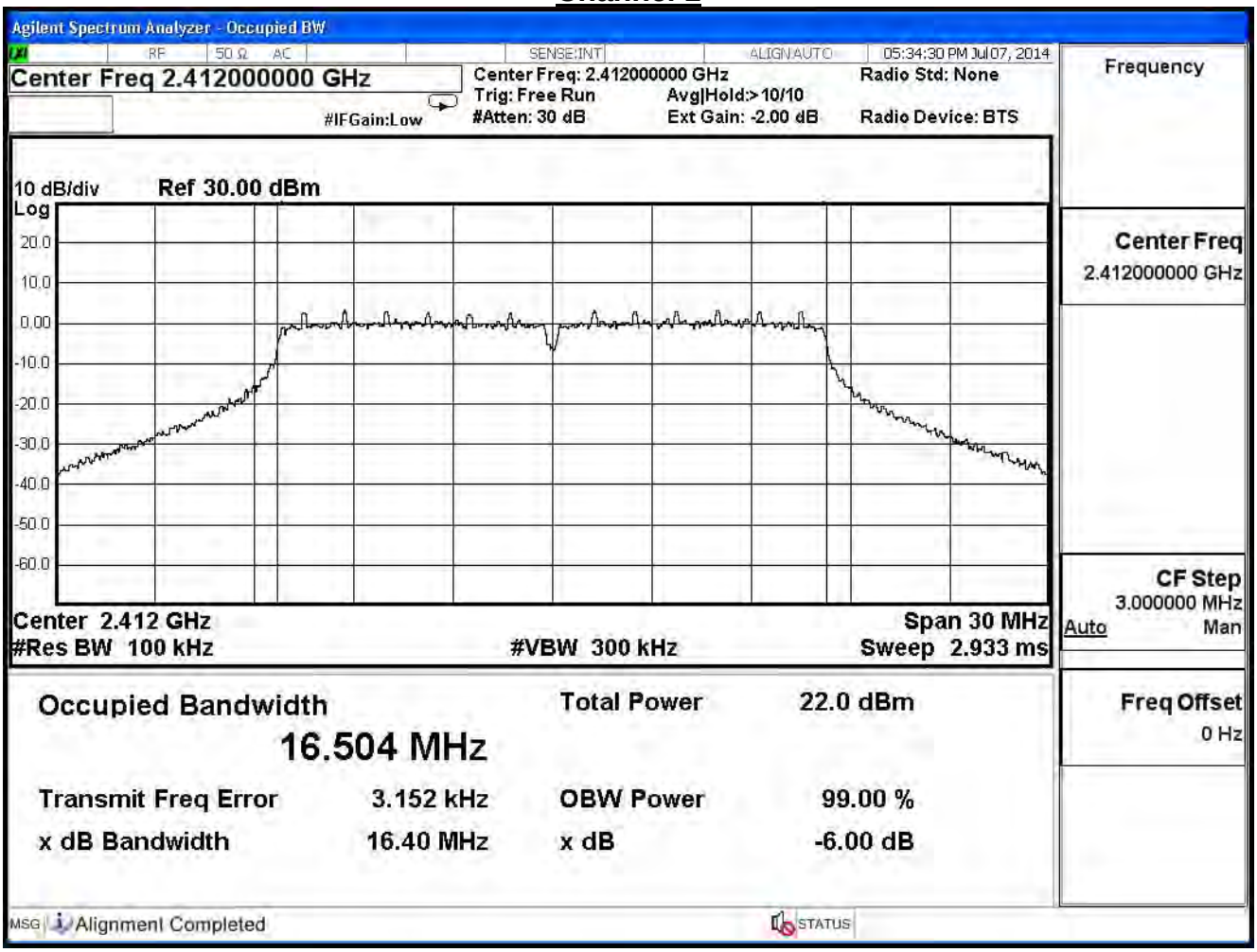
Channel 11


Agilent Spectrum Analyzer - Occupied BW
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
05:37:26 PM Jul 07, 2014
Center Freq 2.462000000 GHz
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#IFGain:Low
#Atten: 30 dB
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 30 MHz
Sweep 2.933 ms
CF Step
3.000000 MHz
Auto
Man
Occupied Bandwidth
13.903 MHz
Total Power
24.6 dBm
Transmit Freq Error
-13.441 kHz
OBW Power
99.00 %
x dB Bandwidth
10.12 MHz
x dB
-6.00 dB
Freq Offset
0 Hz
MSG
STATUS

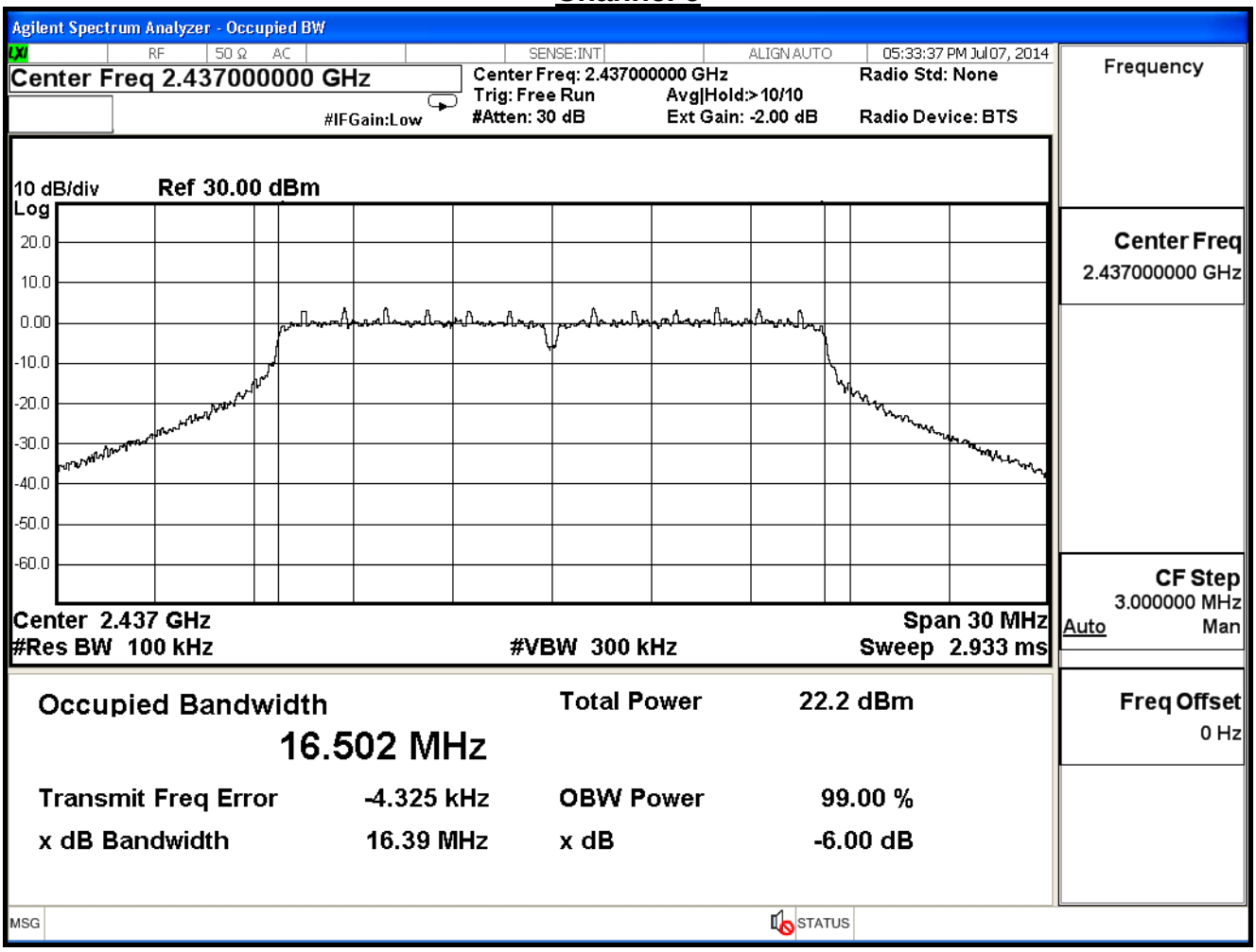
Product	Wireless Outdoor Access Point		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2014/07/08	Test Site	SR7

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measurement Value (MHz)	Required Limit (MHz)	Result
1	2412	16.40	≧0.5	Pass
6	2437	16.39	≧0.5	Pass
11	2462	16.39	≧0.5	Pass

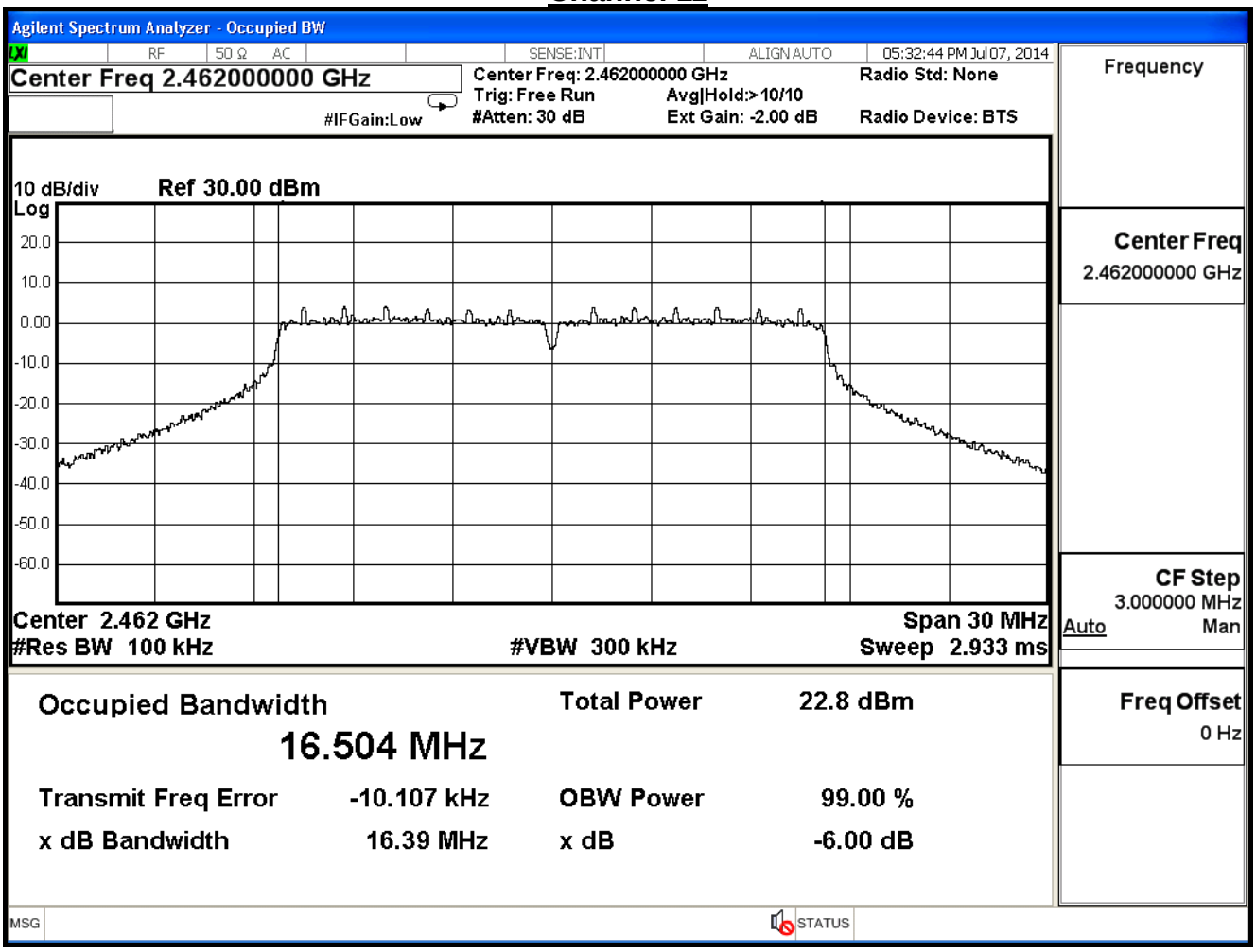
Channel 1



Channel 6


Agilent Spectrum Analyzer - Occupied BW
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
05:33:37 PM Jul 07, 2014
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Ext Gain: -2.00 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 30 MHz
Sweep 2.933 ms
CF Step
3.000000 MHz
Auto
Man
Occupied Bandwidth
16.502 MHz
Total Power 22.2 dBm
Transmit Freq Error -4.325 kHz
OBW Power 99.00 %
x dB Bandwidth 16.39 MHz
x dB -6.00 dB
Freq Offset
0 Hz
MSG
STATUS

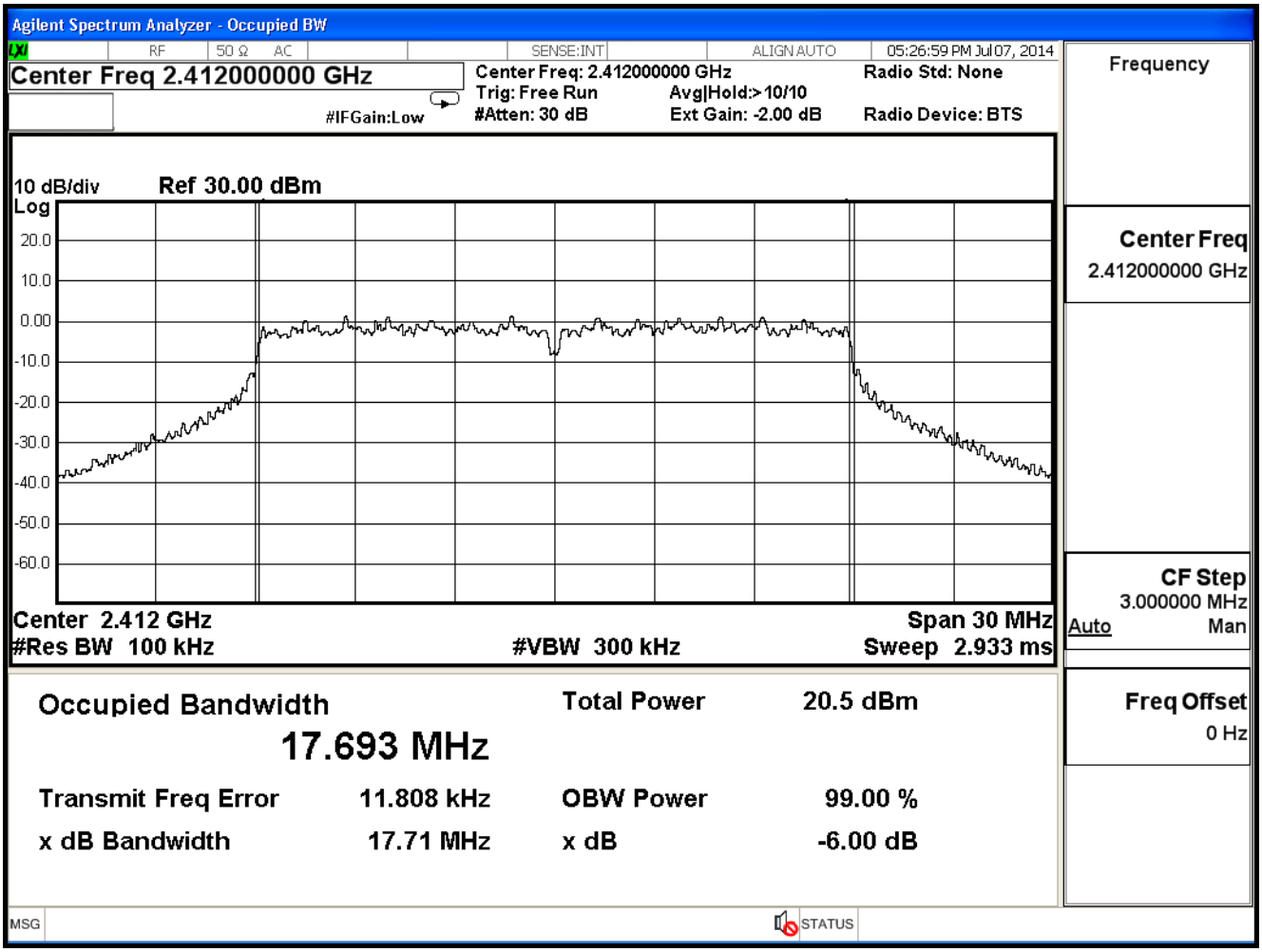
Channel 11


Agilent Spectrum Analyzer - Occupied BW
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
05:32:44 PM Jul 07, 2014
Center Freq 2.462000000 GHz
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#IFGain:Low
#Atten: 30 dB
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.462000000 GHz
CF Step
3.000000 MHz
Auto
Man
Center 2.462 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 30 MHz
Sweep 2.933 ms
Occupied Bandwidth
16.504 MHz
Total Power
22.8 dBm
Transmit Freq Error
-10.107 kHz
OBW Power
99.00 %
x dB Bandwidth
16.39 MHz
x dB
-6.00 dB
Freq Offset
0 Hz
MSG
STATUS

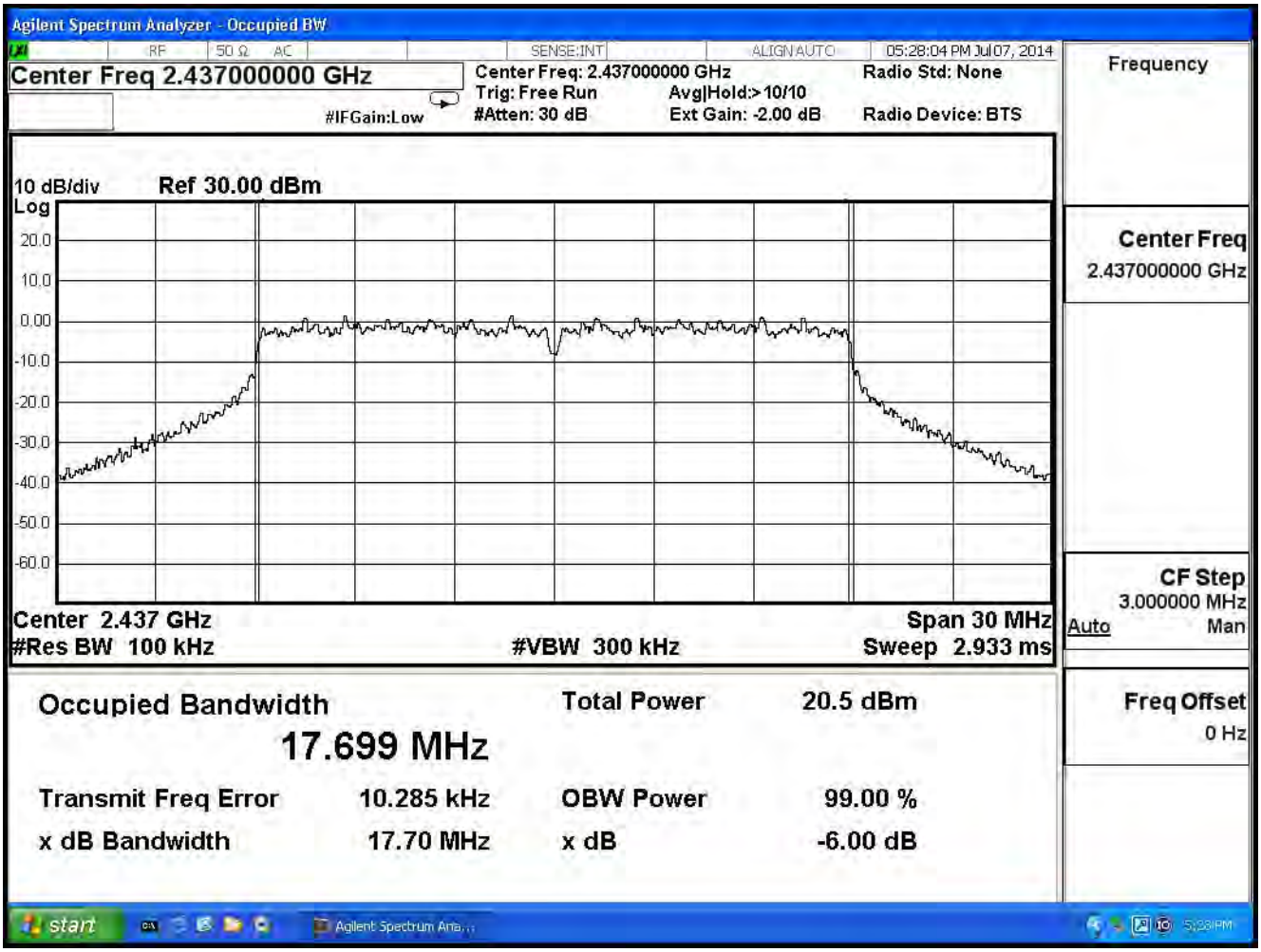
Product	Wireless Outdoor Access Point		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2014/07/08	Test Site	SR7

IEEE 802.11n (20MHz), ANT 0				
Channel No.	Frequency (MHz)	Measurement Value (MHz)	Required Limit (MHz)	Result
1	2412	17.71	≧0.5	Pass
6	2437	17.70	≧0.5	Pass
11	2462	17.72	≧0.5	Pass

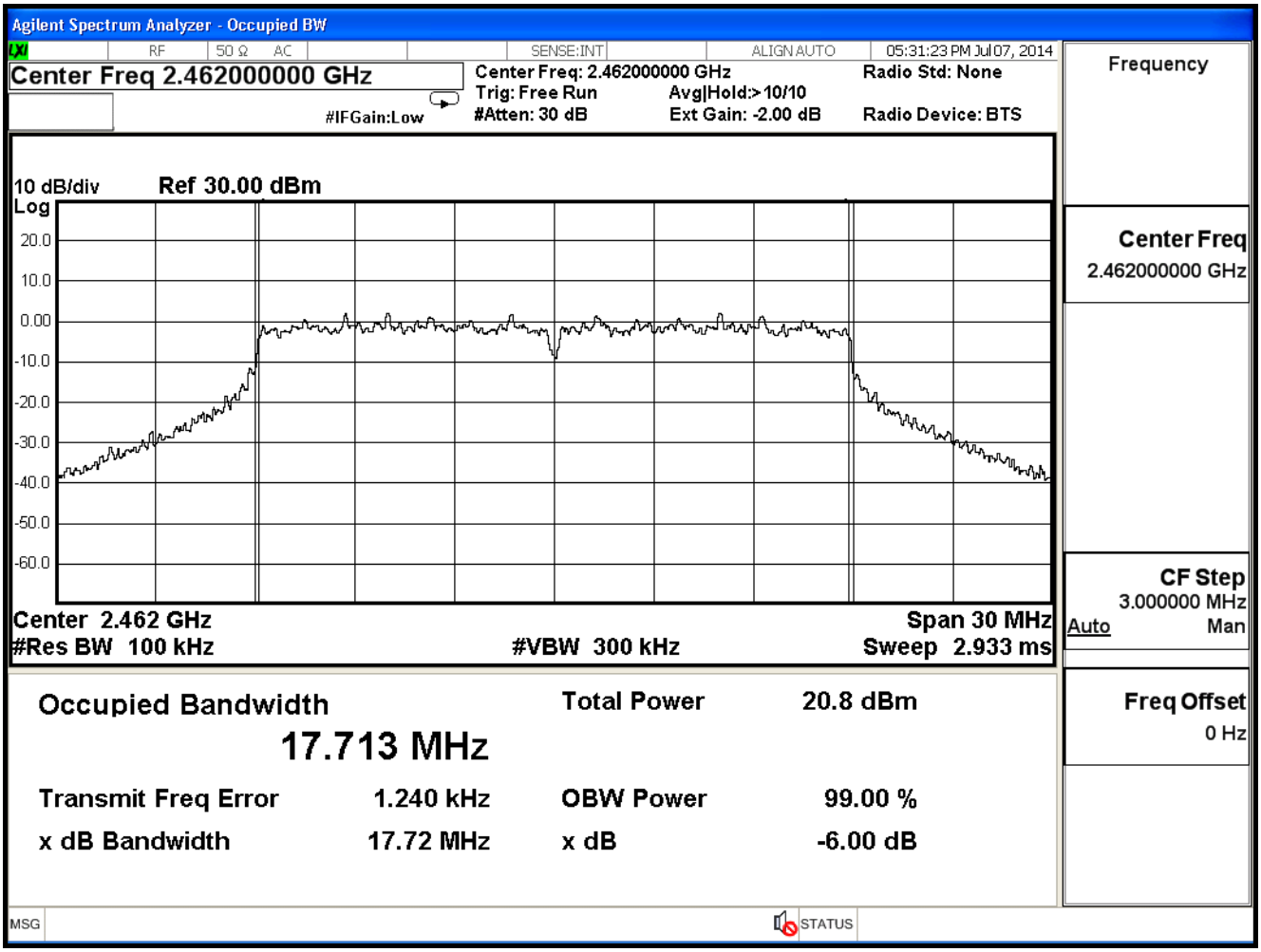
Channel 1



Channel 6


Agilent Spectrum Analyzer - Occupied BW
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
05:28:04 PM Jul 07, 2014
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#IFGain:Low
#Atten: 30 dB
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.437000000 GHz
CF Step
3.000000 MHz
Auto
Man
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 30 MHz
Sweep 2.933 ms
Occupied Bandwidth
17.699 MHz
Total Power
20.5 dBm
Freq Offset
0 Hz
Transmit Freq Error
10.285 kHz
OBW Power
99.00 %
x dB Bandwidth
17.70 MHz
x dB
-6.00 dB
start
Agilent Spectrum Ana...

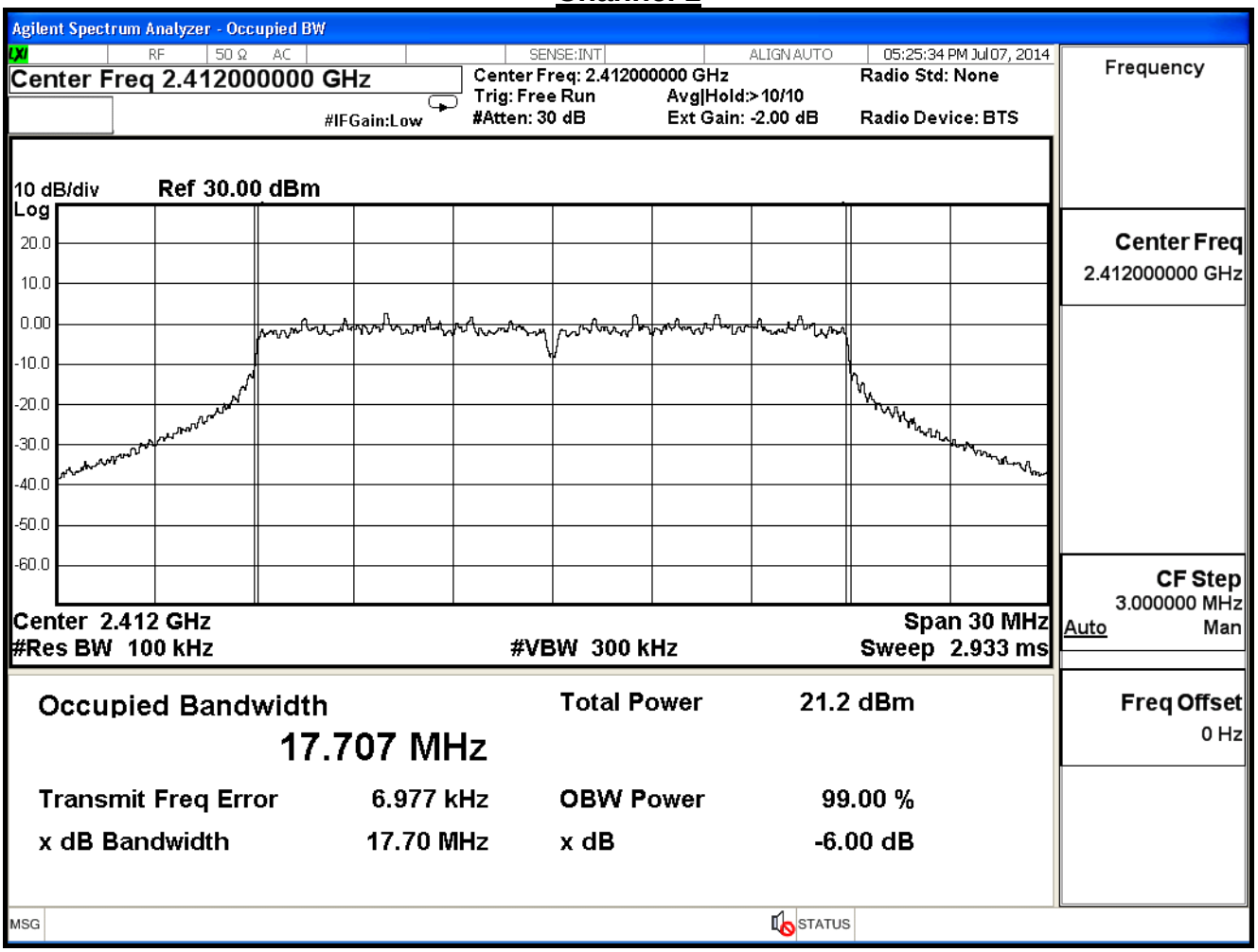
Channel 11


Agilent Spectrum Analyzer - Occupied BW
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
05:31:23 PM Jul 07, 2014
Center Freq 2.462000000 GHz
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#IFGain:Low
#Atten: 30 dB
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.462000000 GHz
CF Step
3.000000 MHz
Auto
Man
Center 2.462 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 30 MHz
Sweep 2.933 ms
Occupied Bandwidth
17.713 MHz
Total Power 20.8 dBm
Transmit Freq Error 1.240 kHz
OBW Power 99.00 %
x dB Bandwidth 17.72 MHz
x dB -6.00 dB
Freq Offset
0 Hz
MSG
STATUS

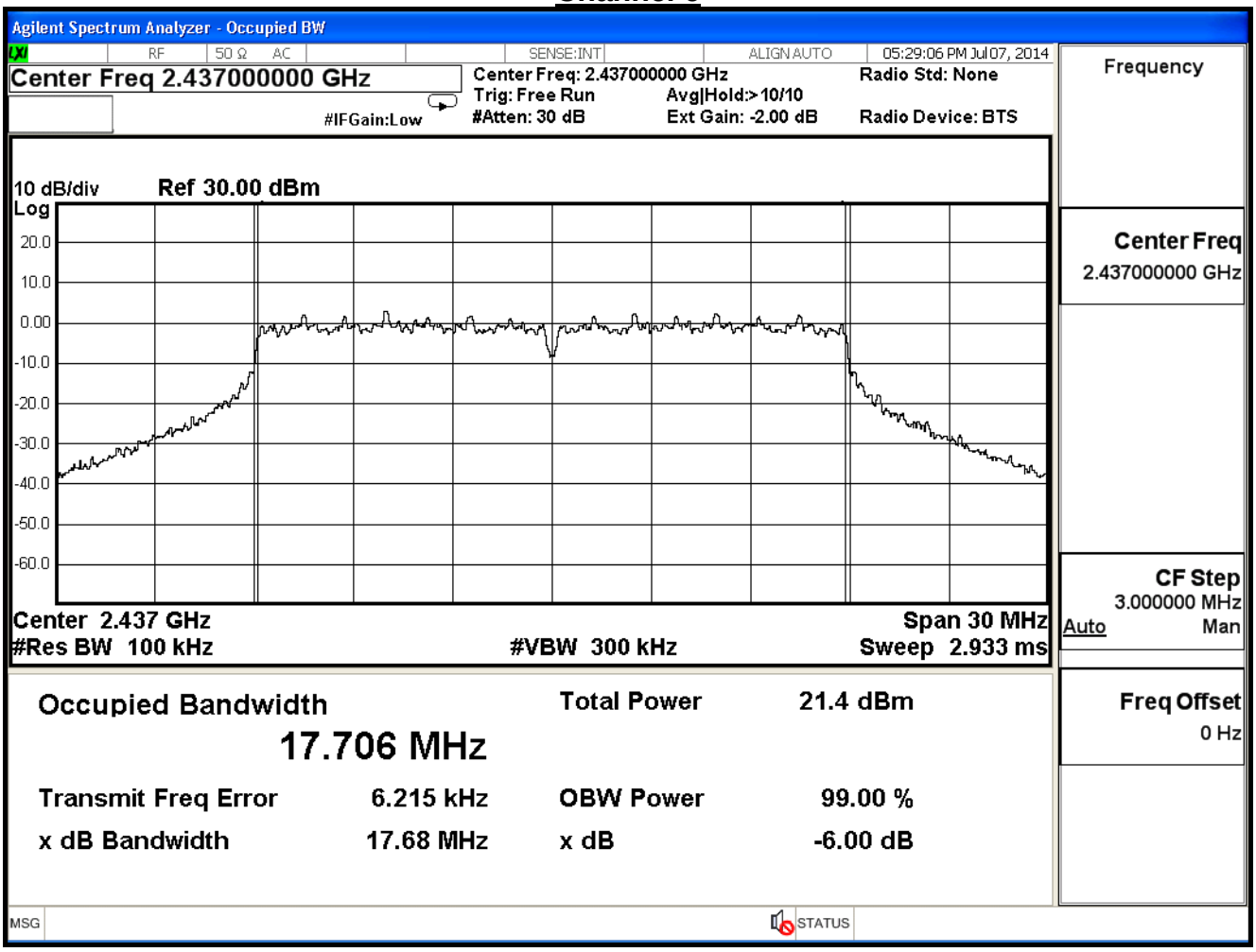
Product	Wireless Outdoor Access Point		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2014/07/09	Test Site	SR7

IEEE 802.11n (20MHz), ANT 1				
Channel No.	Frequency (MHz)	Measurement Value (MHz)	Required Limit (MHz)	Result
1	2412	17.70	≧0.5	Pass
6	2437	17.68	≧0.5	Pass
11	2462	17.65	≧0.5	Pass

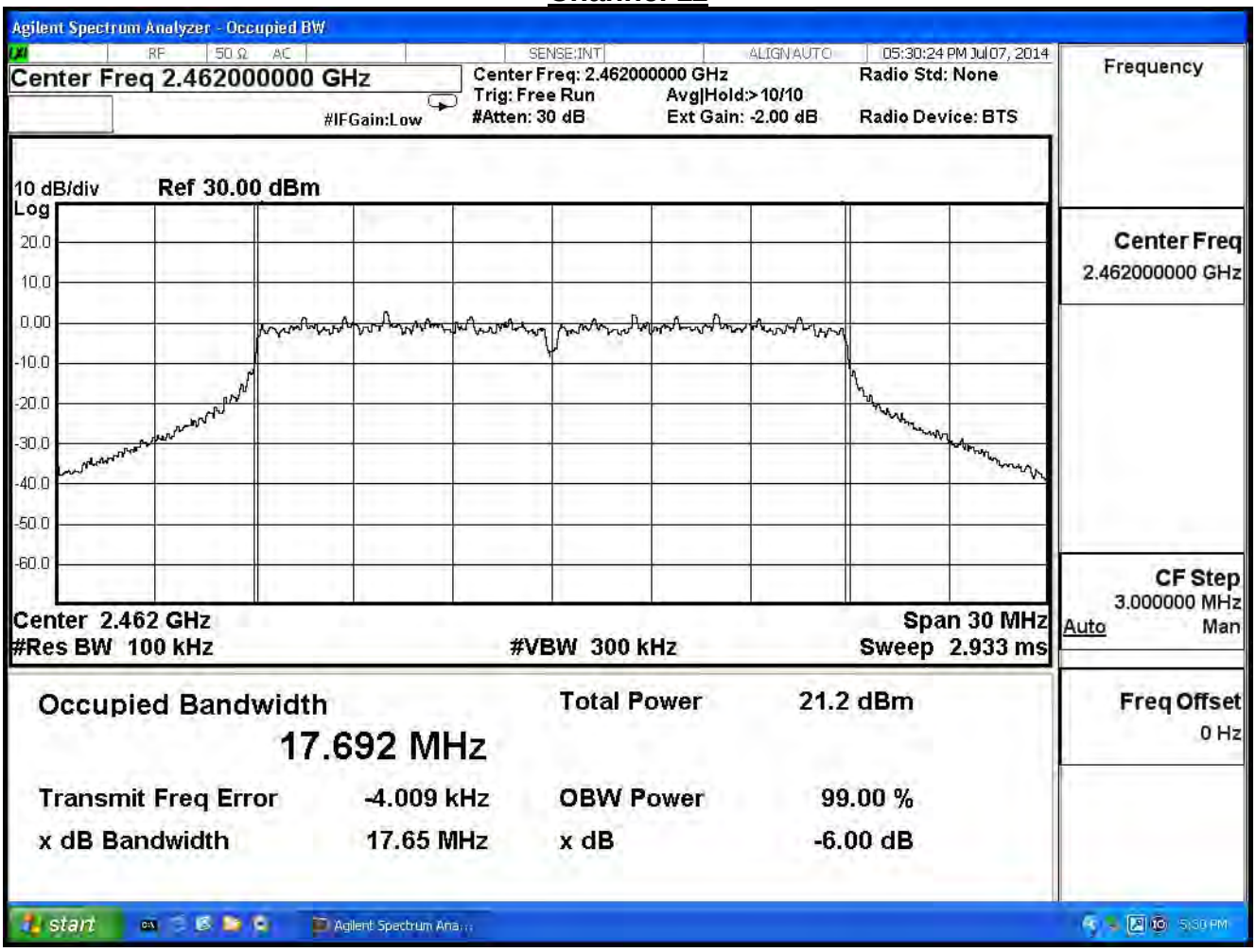
Channel 1



Channel 6


Agilent Spectrum Analyzer - Occupied BW
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
05:29:06 PM Jul 07, 2014
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#IFGain:Low
#Atten: 30 dB
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.437000000 GHz
CF Step
3.000000 MHz
Auto
Man
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 30 MHz
Sweep 2.933 ms
Occupied Bandwidth
17.706 MHz
Total Power
21.4 dBm
Transmit Freq Error
6.215 kHz
OBW Power
99.00 %
x dB Bandwidth
17.68 MHz
x dB
-6.00 dB
Freq Offset
0 Hz
MSG
STATUS

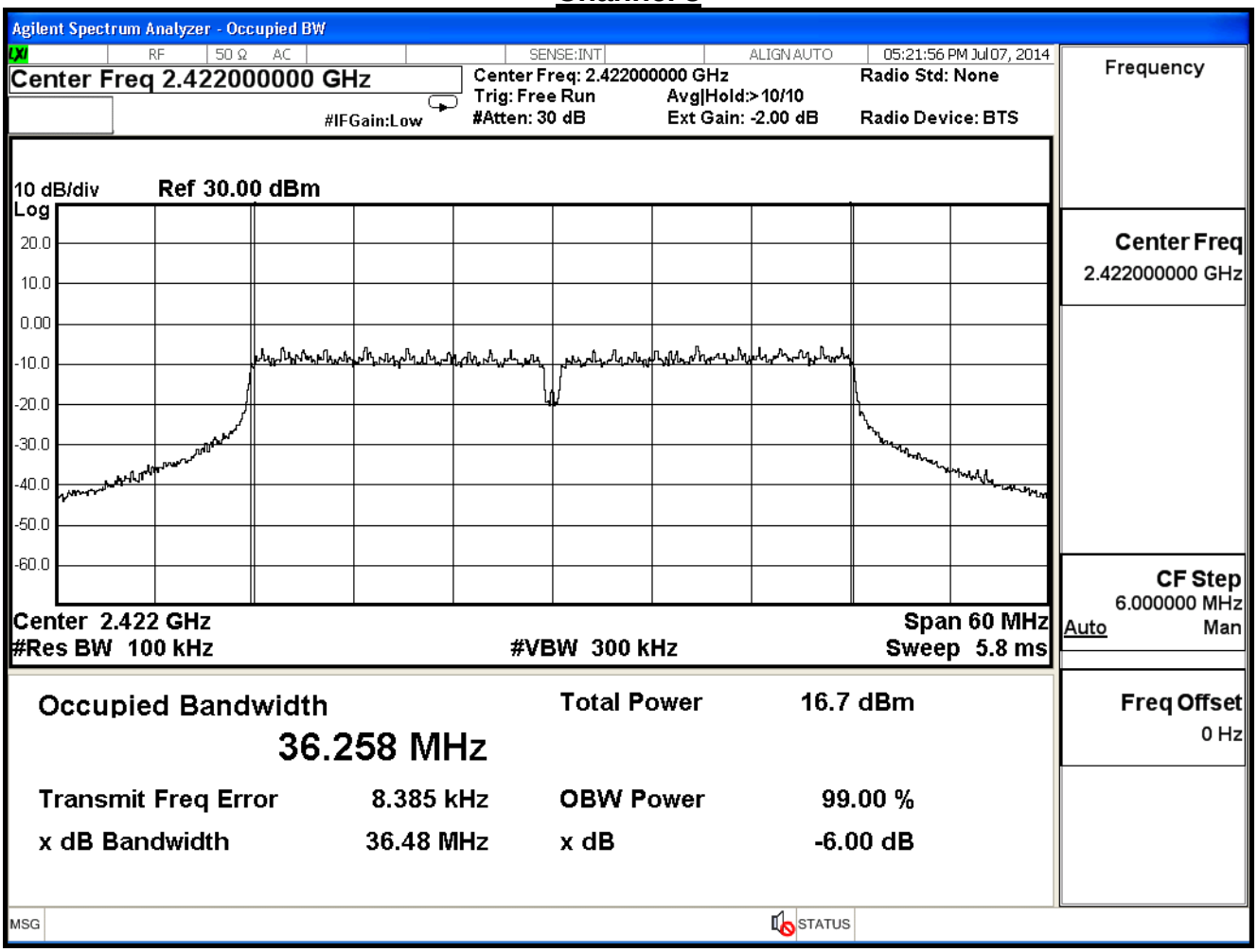
Channel 11


Agilent Spectrum Analyzer - Occupied BW
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
05:30:24 PM Jul 07, 2014
Center Freq 2.462000000 GHz
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#IFGain:Low
#Atten: 30 dB
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 30 MHz
Sweep 2.933 ms
CF Step
3.000000 MHz
Auto
Man
Occupied Bandwidth
17.692 MHz
Total Power
21.2 dBm
Freq Offset
0 Hz
Transmit Freq Error
-4.009 kHz
OBW Power
99.00 %
x dB Bandwidth
17.65 MHz
x dB
-6.00 dB
start
Agilent Spectrum Ana...
5:30 PM

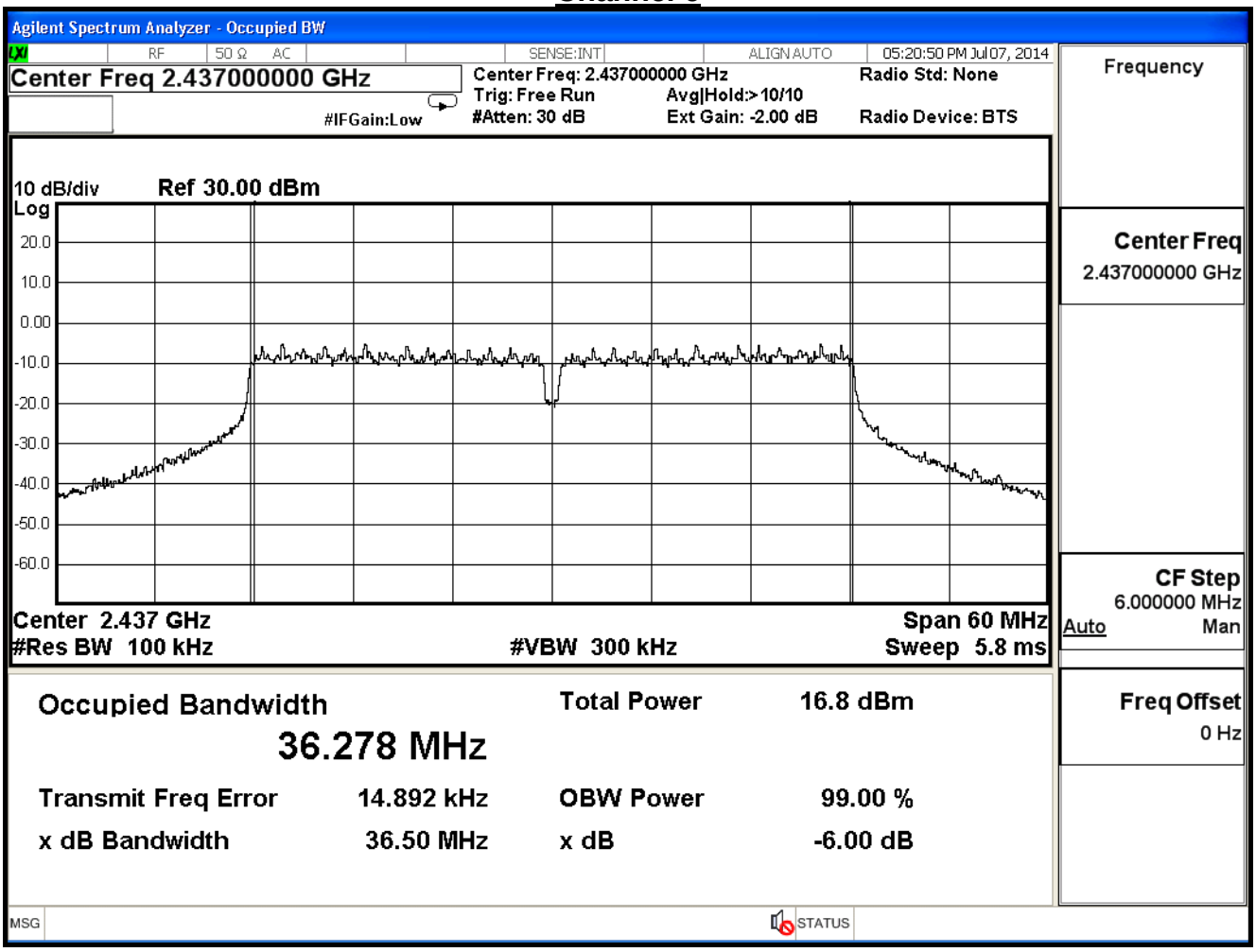
Product	Wireless Outdoor Access Point		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2014/07/09	Test Site	SR7

IEEE 802.11n (40MHz), ANT 0				
Channel No.	Frequency (MHz)	Measurement Value (MHz)	Required Limit (MHz)	Result
3	2422	36.48	≧0.5	Pass
6	2437	36.50	≧0.5	Pass
9	2452	36.47	≧0.5	Pass

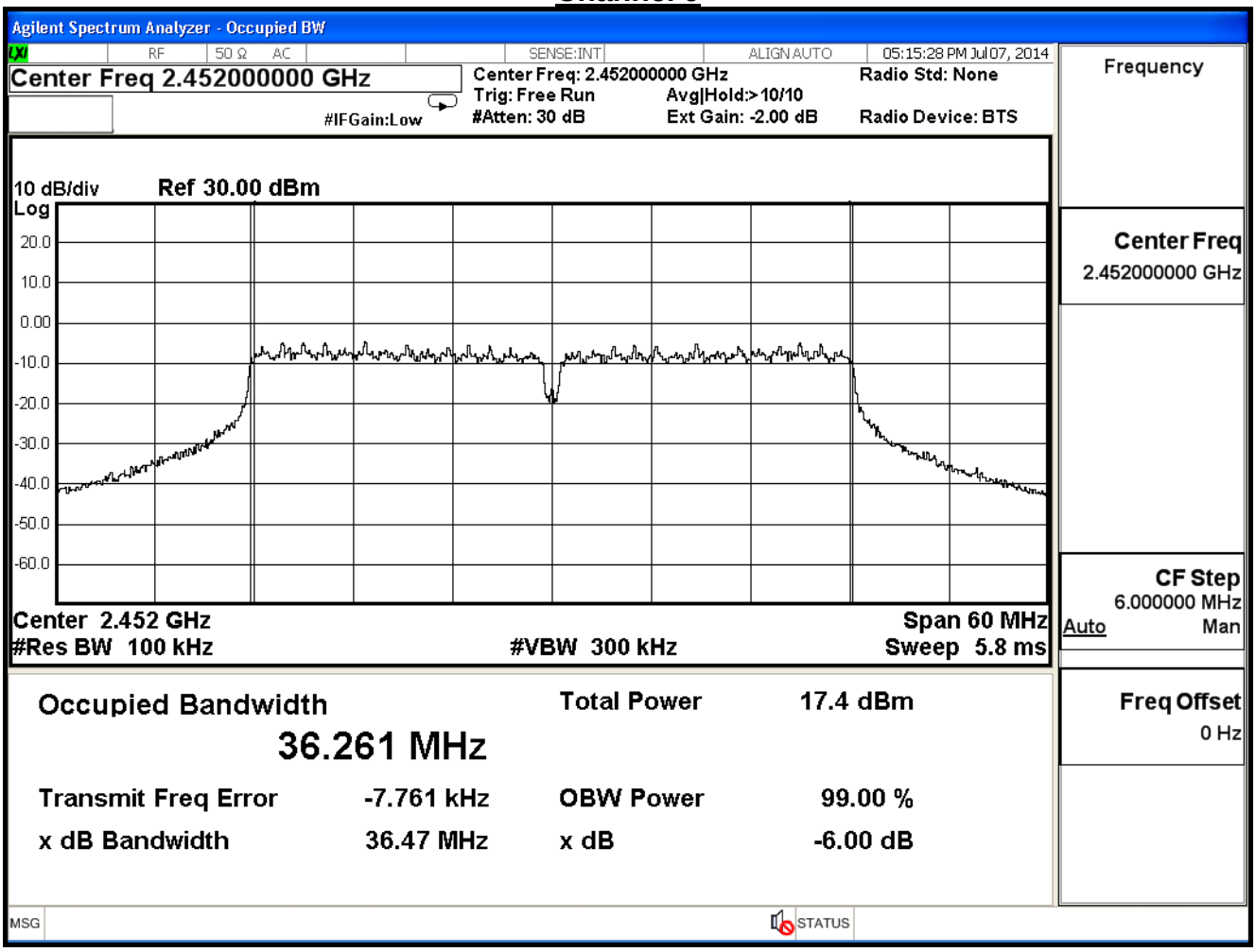
Channel 3



Channel 6


Agilent Spectrum Analyzer - Occupied BW
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
05:20:50 PM Jul 07, 2014
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Ext Gain: -2.00 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 60 MHz
Sweep 5.8 ms
CF Step
6.000000 MHz
Auto
Man
Occupied Bandwidth
36.278 MHz
Total Power
16.8 dBm
Transmit Freq Error
14.892 kHz
OBW Power
99.00 %
x dB Bandwidth
36.50 MHz
x dB
-6.00 dB
Freq Offset
0 Hz
MSG
STATUS

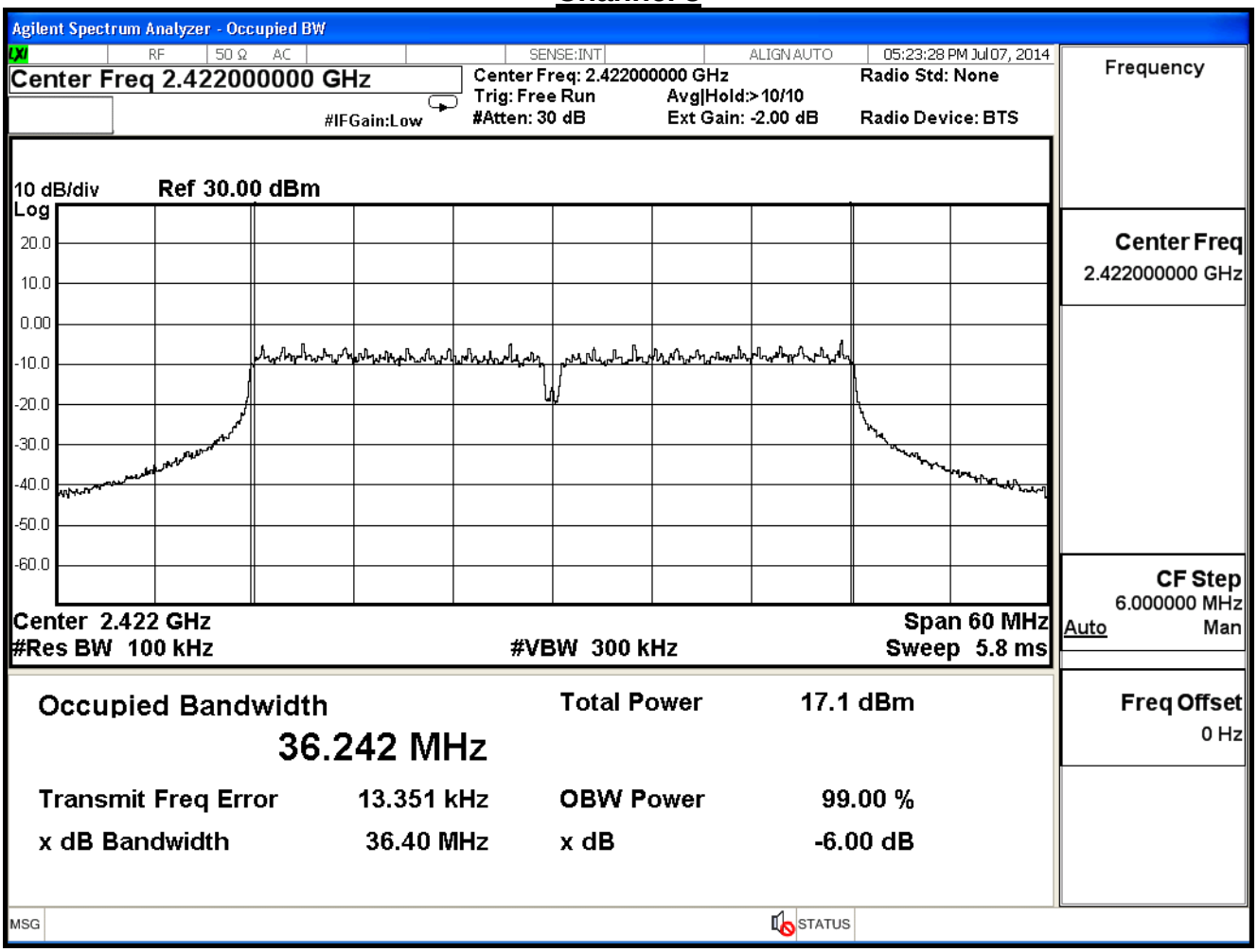
Channel 9


Agilent Spectrum Analyzer - Occupied BW
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
05:15:28 PM Jul 07, 2014
Center Freq 2.452000000 GHz
#IFGain:Low
Center Freq: 2.452000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.452000000 GHz
Center 2.452 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 60 MHz
Sweep 5.8 ms
CF Step
6.000000 MHz
Auto
Man
Occupied Bandwidth
36.261 MHz
Total Power
17.4 dBm
Transmit Freq Error
-7.761 kHz
OBW Power
99.00 %
x dB Bandwidth
36.47 MHz
x dB
-6.00 dB
Freq Offset
0 Hz
MSG
STATUS

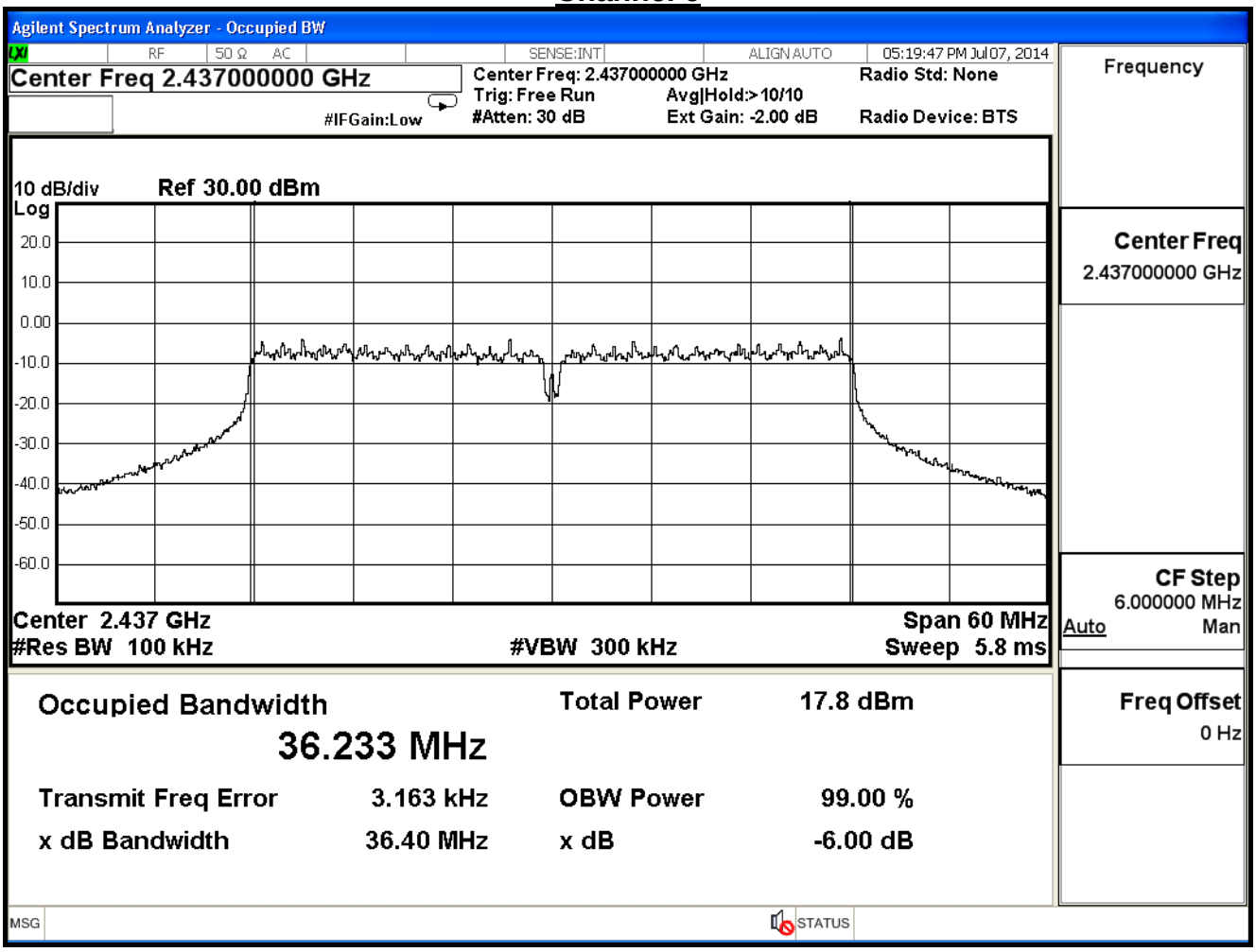
Product	Wireless Outdoor Access Point		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2014/07/09	Test Site	SR7

IEEE 802.11n (40MHz), ANT 1				
Channel No.	Frequency (MHz)	Measurement Value (MHz)	Required Limit (MHz)	Result
3	2422	36.40	≧0.5	Pass
6	2437	36.40	≧0.5	Pass
9	2452	36.41	≧0.5	Pass

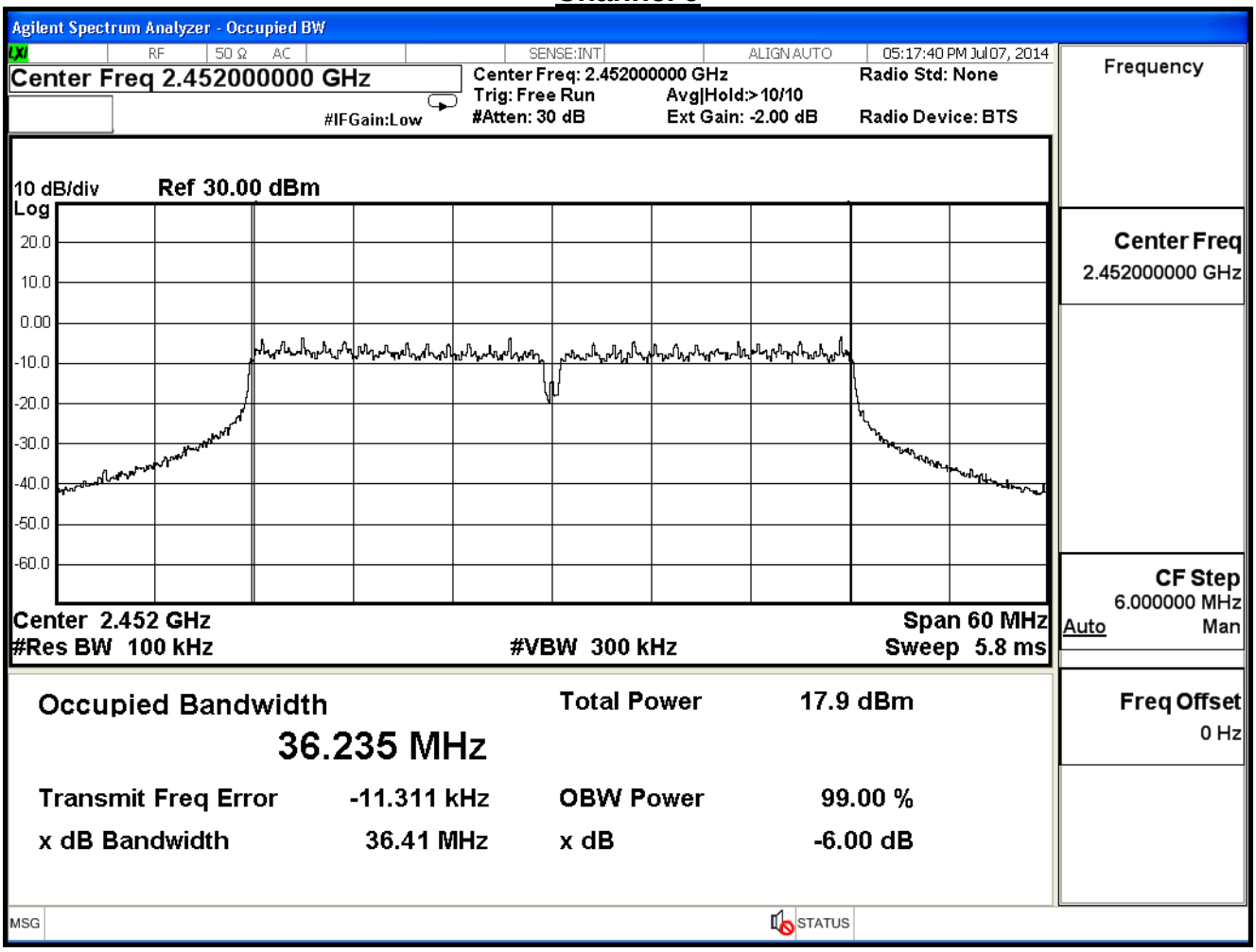
Channel 3



Channel 6


Agilent Spectrum Analyzer - Occupied BW
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
05:19:47 PM Jul 07, 2014
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Ext Gain: -2.00 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 60 MHz
Sweep 5.8 ms
CF Step
6.000000 MHz
Auto
Man
Occupied Bandwidth
36.233 MHz
Total Power
17.8 dBm
Transmit Freq Error
3.163 kHz
OBW Power
99.00 %
x dB Bandwidth
36.40 MHz
x dB
-6.00 dB
Freq Offset
0 Hz
MSG
STATUS

Channel 9


Agilent Spectrum Analyzer - Occupied BW
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
05:17:40 PM Jul 07, 2014
Center Freq 2.452000000 GHz
Center Freq: 2.452000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#IFGain:Low
#Atten: 30 dB
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.452000000 GHz
Center 2.452 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 60 MHz
Sweep 5.8 ms
CF Step
6.000000 MHz
Auto
Man
Occupied Bandwidth
36.235 MHz
Total Power
17.9 dBm
Transmit Freq Error
-11.311 kHz
OBW Power
99.00 %
x dB Bandwidth
36.41 MHz
x dB
-6.00 dB
Freq Offset
0 Hz
MSG
STATUS

8. Power Density

8.1. Test Equipment

The following test equipment is used during the test:

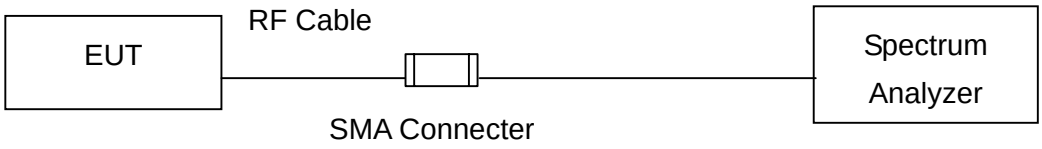
Power Density / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2014/08/05

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

8.2. Test Setup

IEEE 802.11 b / g / n (20M / 40M) MODE



8.3. Limits

The peak power spectral density conducted from the intentional radiated to the antenna shall not be greater than +8dBm in any 3kHz band during any time interval of continuous transmission.

8.4. Test Procedures

The EUT was setup according to ANSI C63.4: 2009; tested according to DTS test procedure section 10.2 of KDB558074 v03r01 for compliance to FCC 47CFR 15.247 requirements.
Set 3KHz ≦RBW≦100 kHz, Set VBW≧3xRBW, Sweep time=Auto, Set Peak detector.
The tested according to section E)c) of KDB662911 v02v01.

8.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2013

8.6. Uncertainty

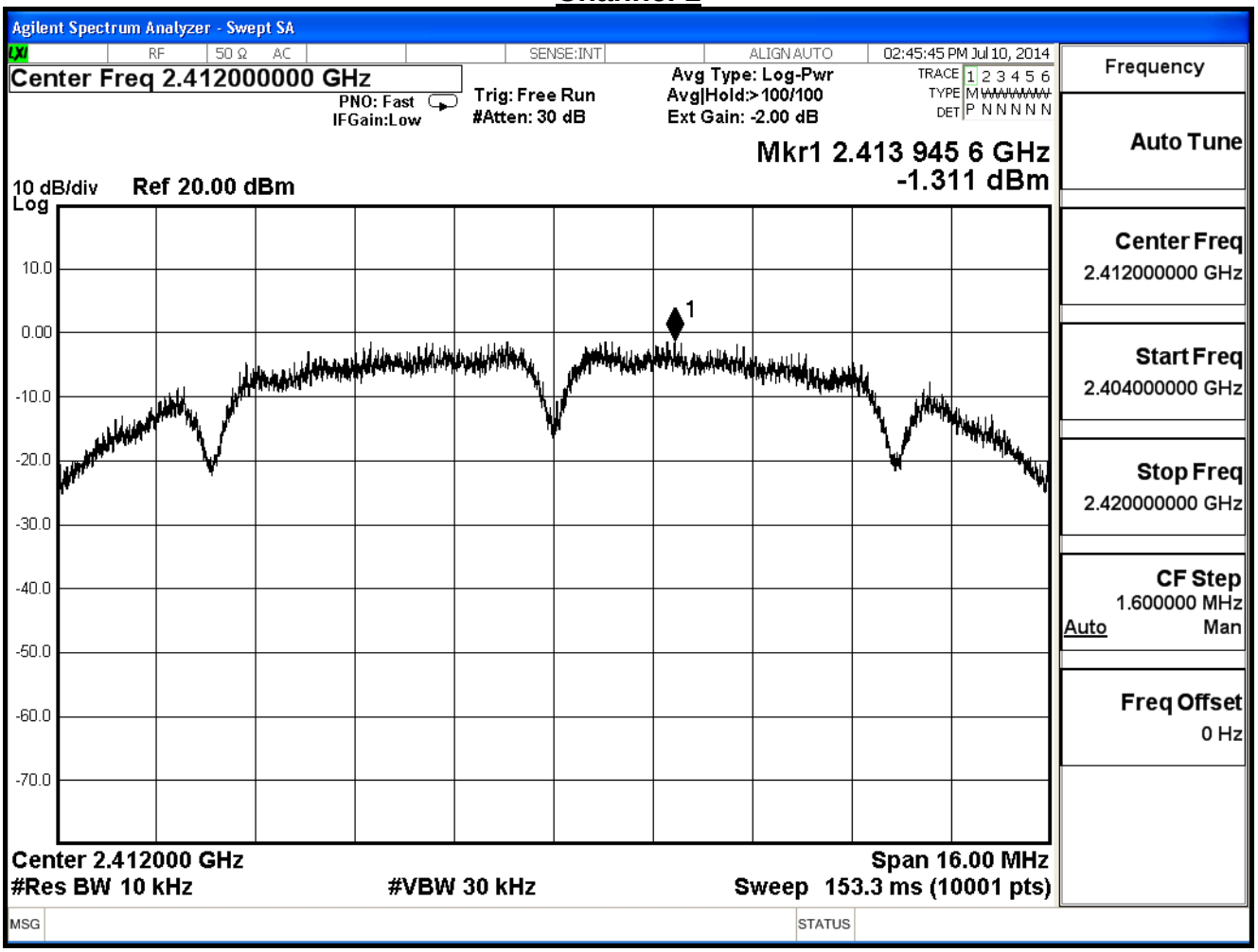
The measurement uncertainty is defined as ±1.27dB.

8.7. Test Result

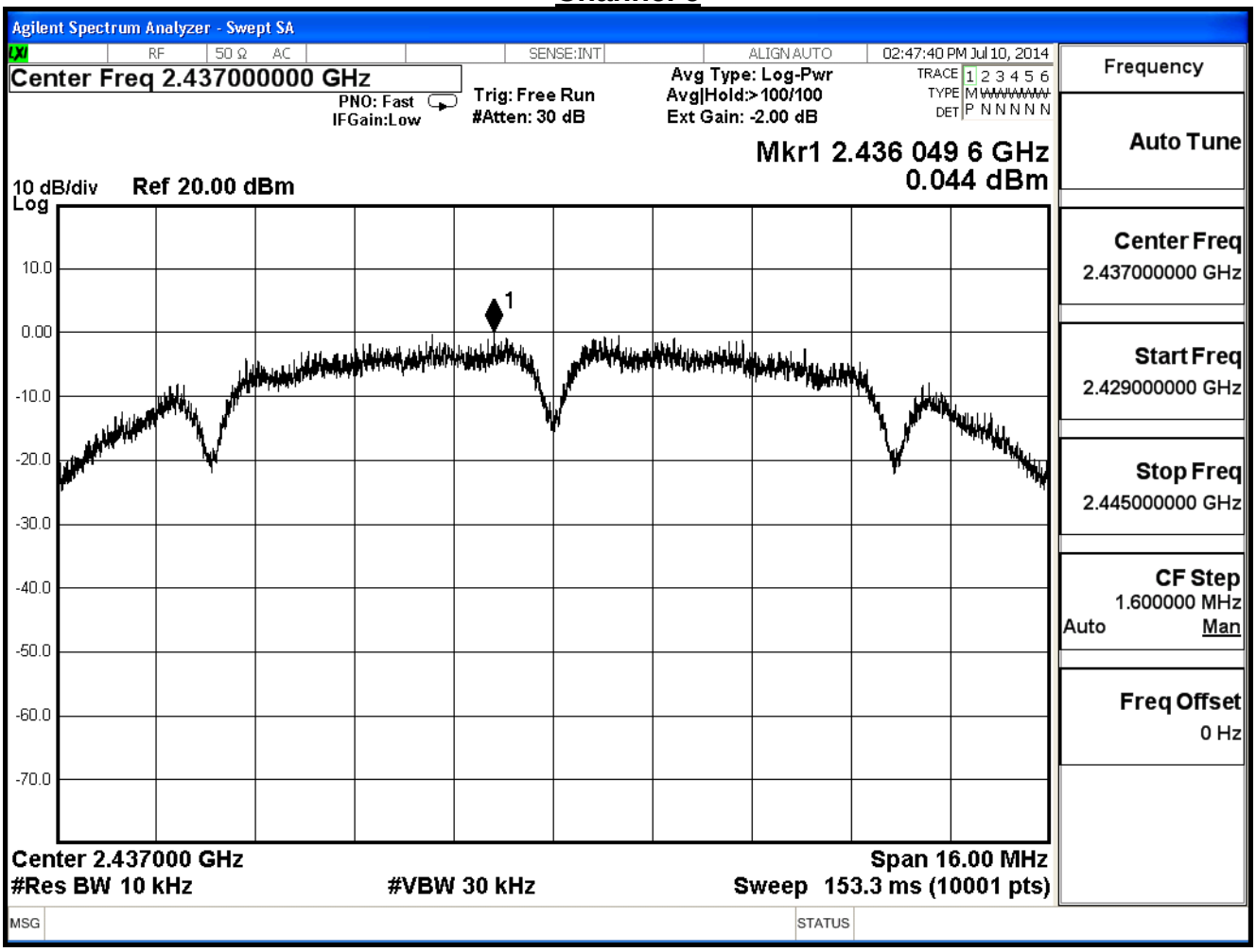
Product	Wireless Outdoor Access Point		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2014/07/08	Test Site	SR7

IEEE 802.11b				
Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)	Result
1	2412	-1.311	≦8	Pass
6	2437	0.044	≦8	Pass
11	2462	0.223	≦8	Pass

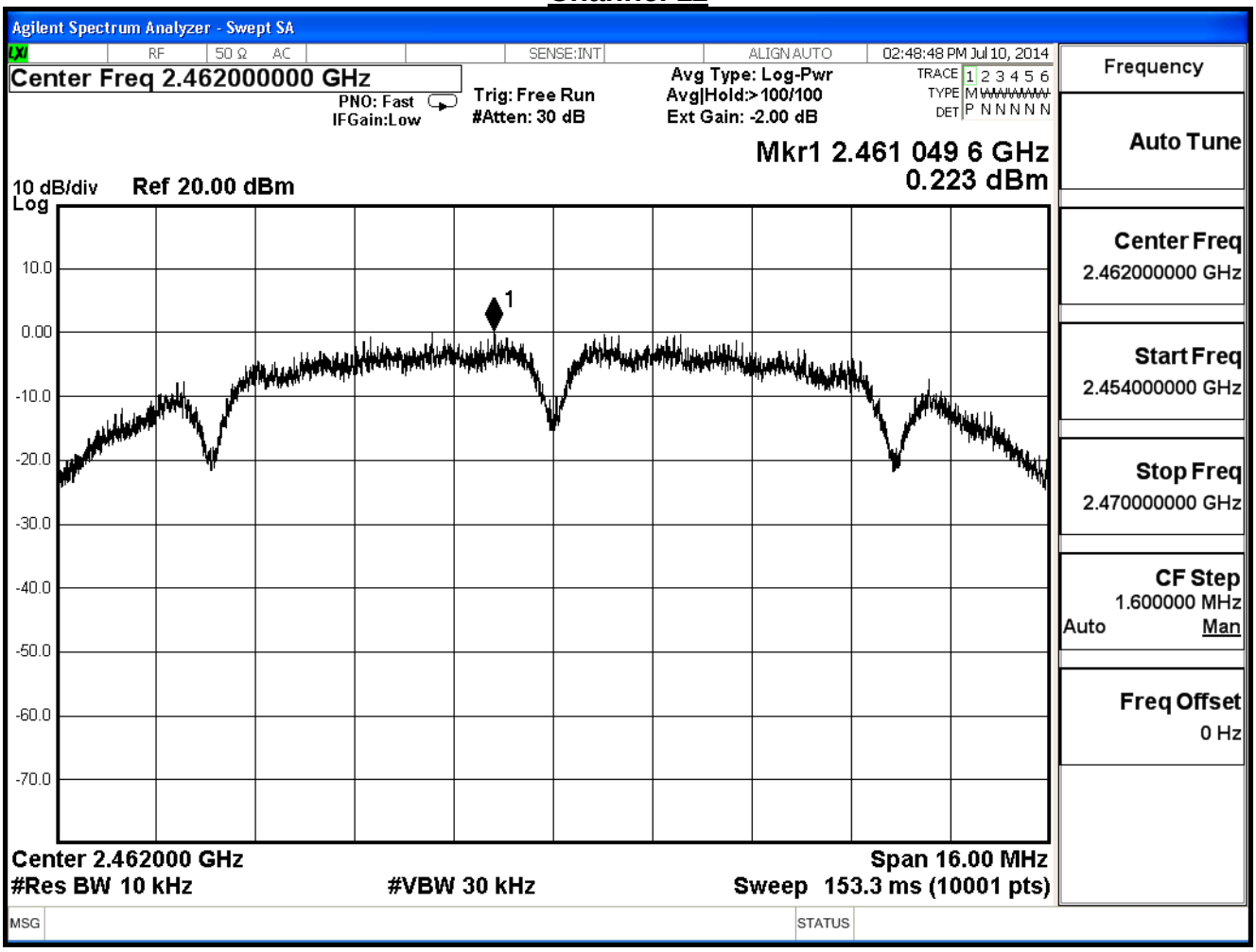
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
02:47:40 PM Jul 10, 2014
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -2.00 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.436 049 6 GHz
0.044 dBm
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
1
Center 2.437000 GHz
#Res BW 10 kHz
#VBW 30 kHz
Span 16.00 MHz
Sweep 153.3 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.429000000 GHz
Stop Freq
2.445000000 GHz
CF Step
1.600000 MHz
Auto
Man
Freq Offset
0 Hz

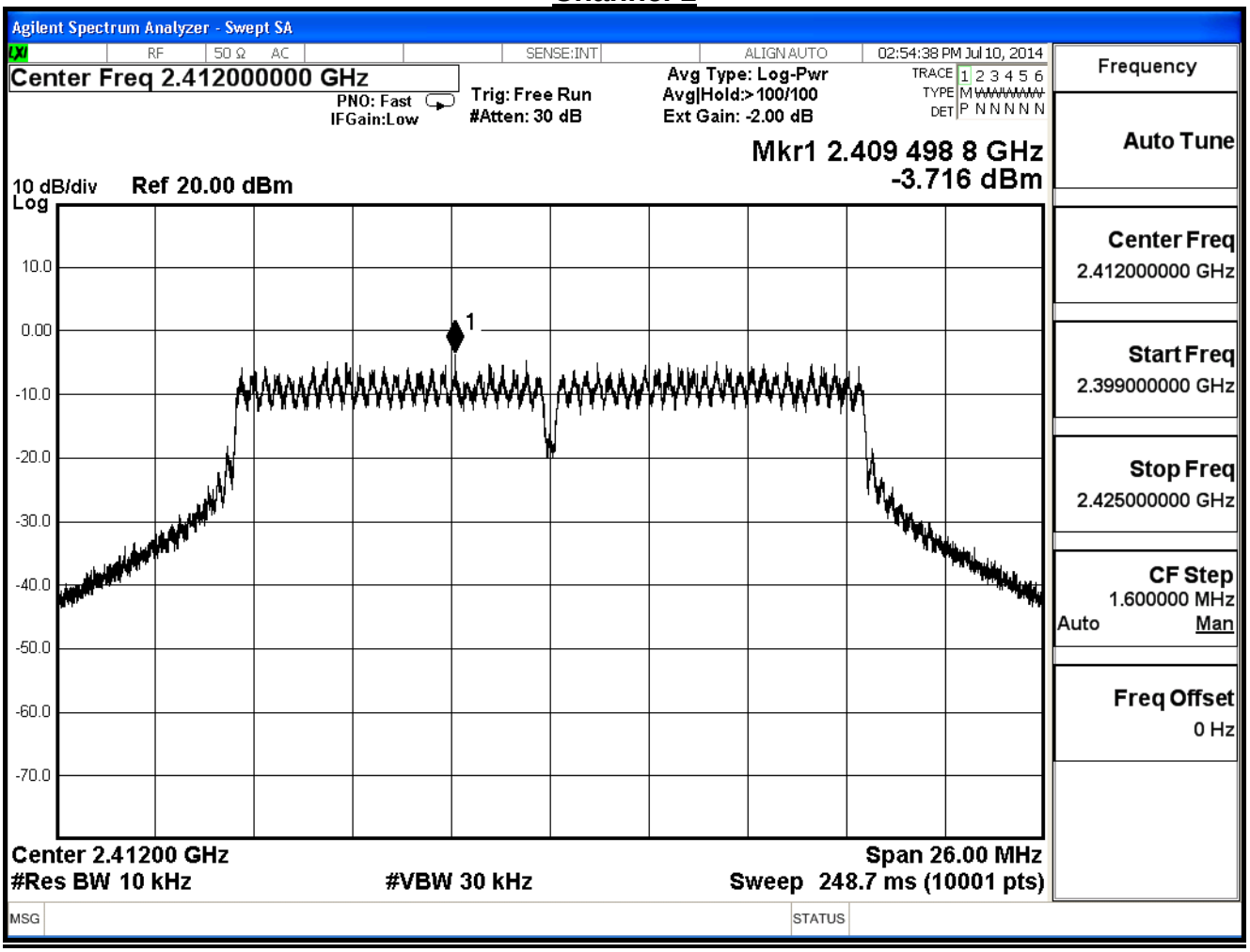
Channel 11


Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
02:48:48 PM Jul 10, 2014
Center Freq 2.462000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -2.00 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.461 049 6 GHz
0.223 dBm
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
1
Center 2.462000 GHz
#Res BW 10 kHz
#VBW 30 kHz
Span 16.00 MHz
Sweep 153.3 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.462000000 GHz
Start Freq
2.454000000 GHz
Stop Freq
2.470000000 GHz
CF Step
1.600000 MHz
Auto
Man
Freq Offset
0 Hz

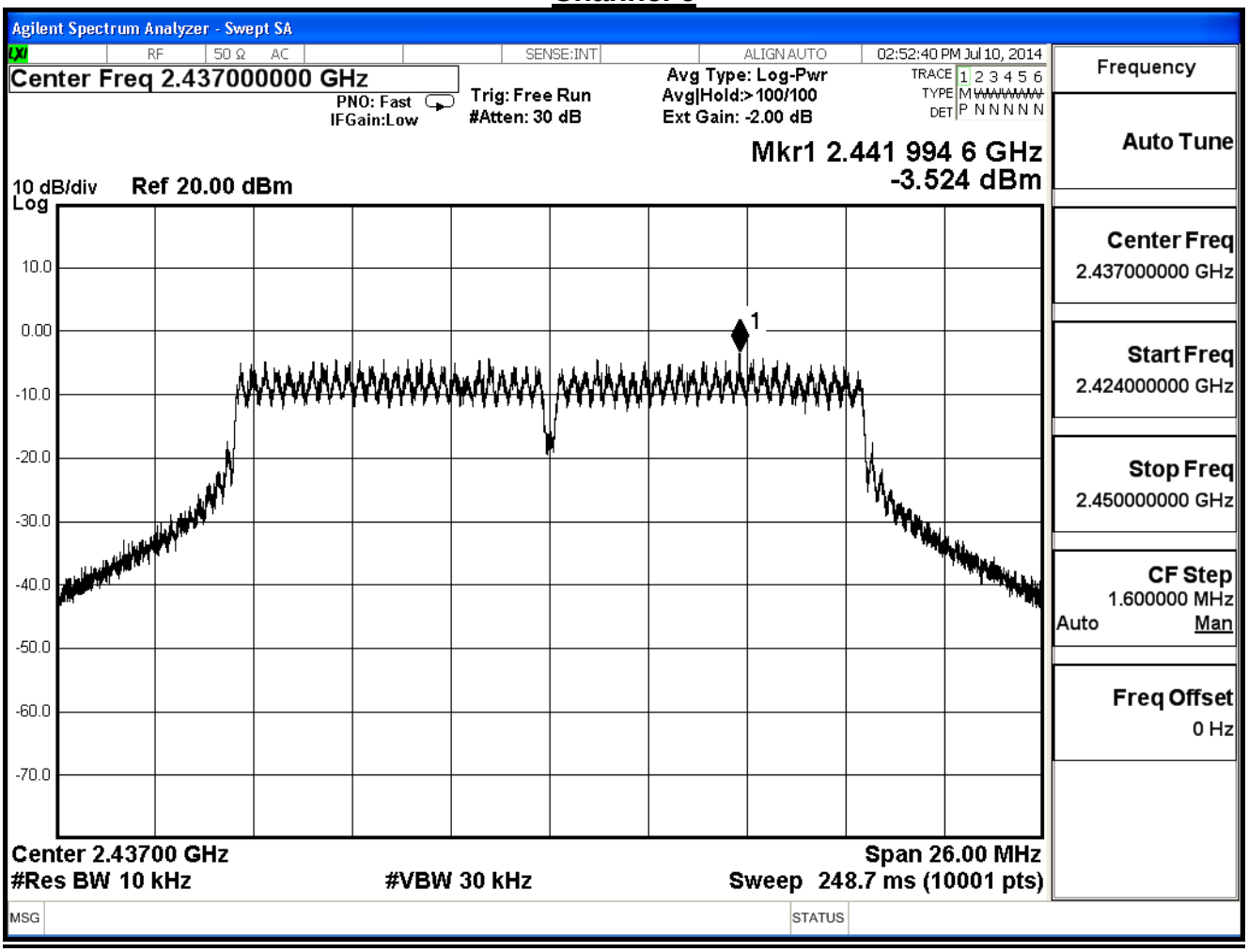
Product	Wireless Outdoor Access Point		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2014/07/08	Test Site	SR7

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)	Result
1	2412	-3.716	≦8	Pass
6	2437	-3.524	≦8	Pass
11	2462	-2.921	≦8	Pass

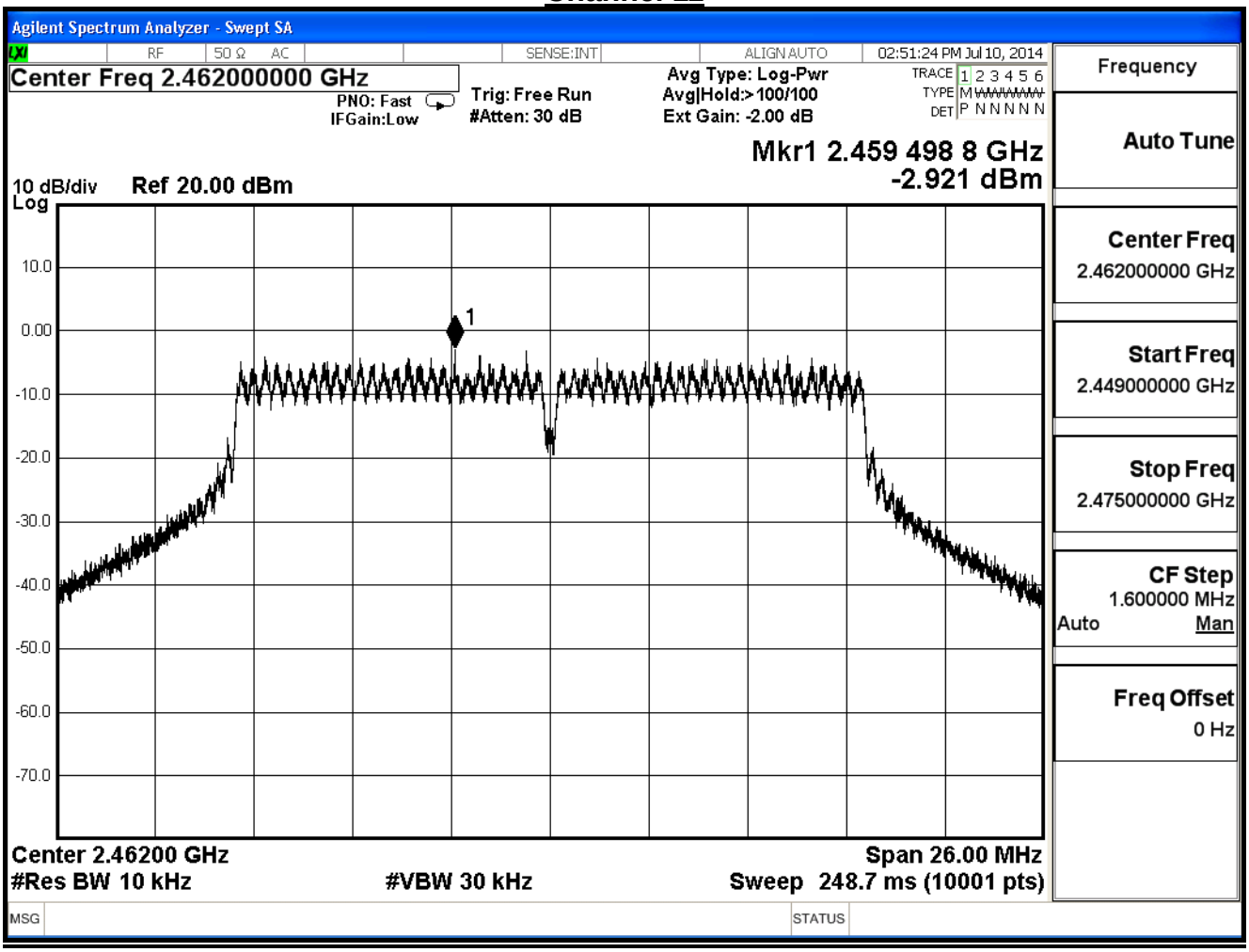
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
02:52:40 PM Jul 10, 2014
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -2.00 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.441 994 6 GHz
-3.524 dBm
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
1
Center 2.43700 GHz
#Res BW 10 kHz
#VBW 30 kHz
Span 26.00 MHz
Sweep 248.7 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.424000000 GHz
Stop Freq
2.450000000 GHz
CF Step
1.600000 MHz
Auto
Man
Freq Offset
0 Hz

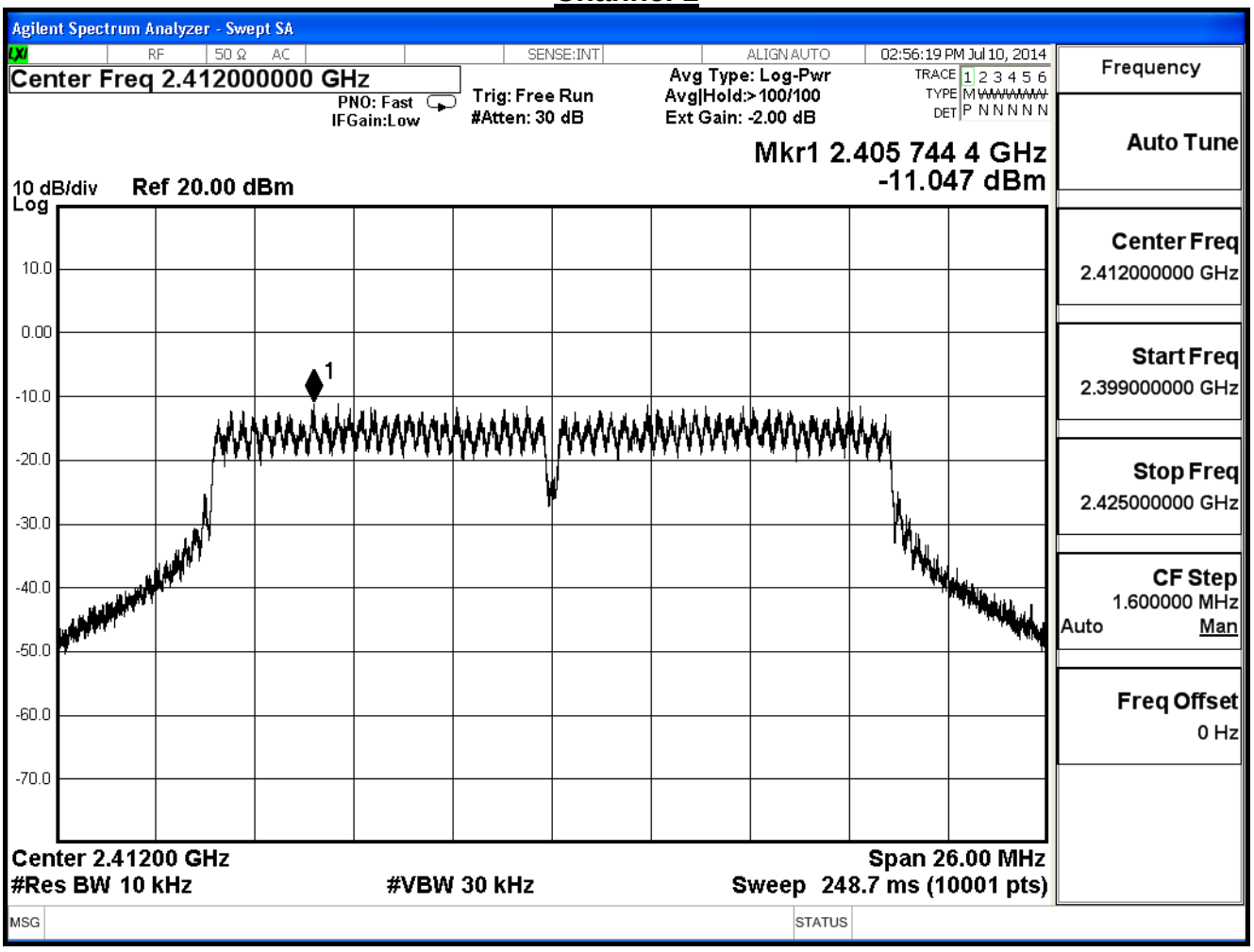
Channel 11


Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
02:51:24 PM Jul 10, 2014
Center Freq 2.462000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -2.00 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.459 498 8 GHz
-2.921 dBm
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
1
Center 2.46200 GHz
#Res BW 10 kHz
#VBW 30 kHz
Span 26.00 MHz
Sweep 248.7 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.462000000 GHz
Start Freq
2.449000000 GHz
Stop Freq
2.475000000 GHz
CF Step
1.600000 MHz
Auto
Man
Freq Offset
0 Hz

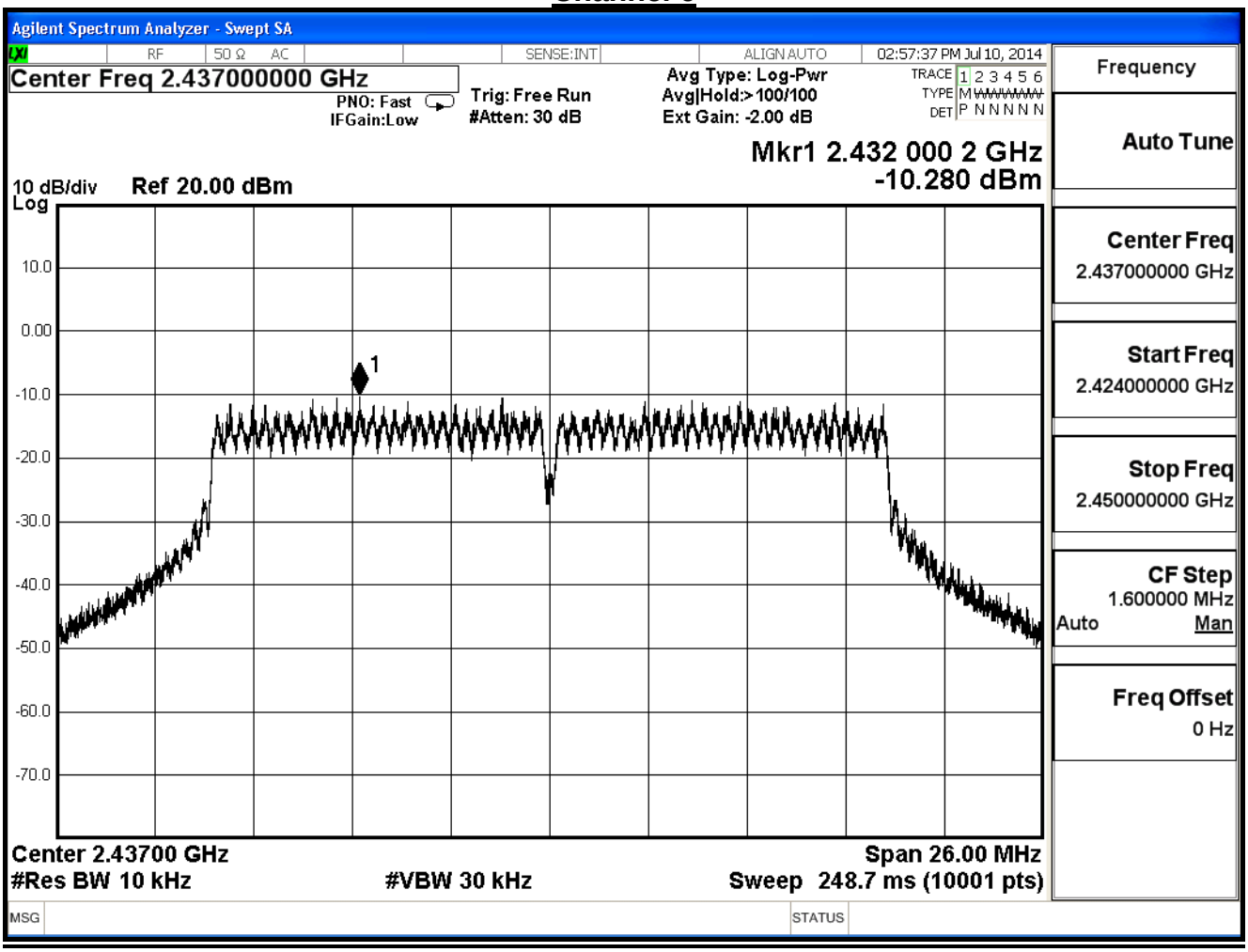
Product	Wireless Outdoor Access Point		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2014/07/08	Test Site	SR7

IEEE802.11n_20MHz, ANT 0				
Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)	Result
1	2412	-11.047	≦8	Pass
6	2437	-10.280	≦8	Pass
11	2462	-10.396	≦8	Pass

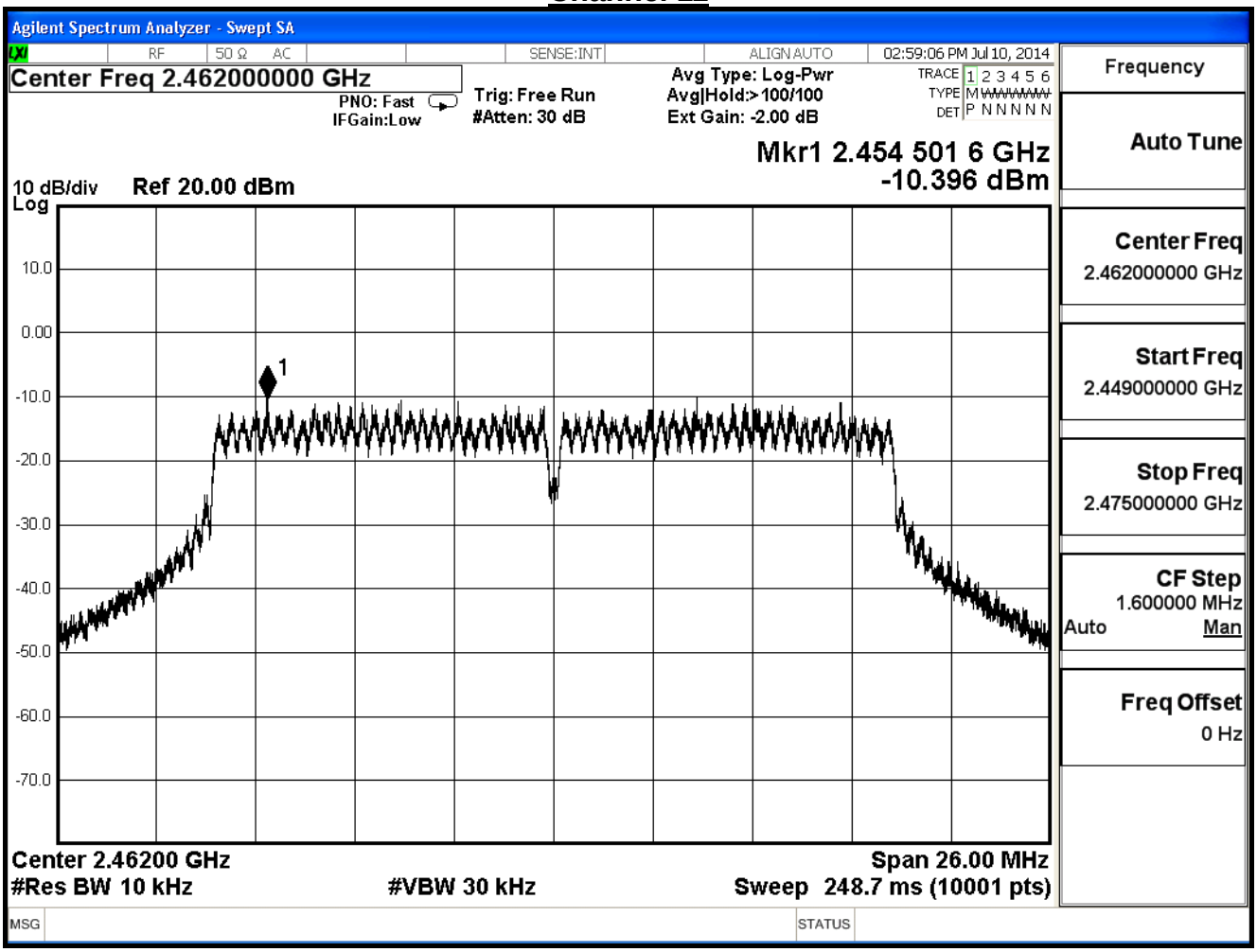
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
02:57:37 PM Jul 10, 2014
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -2.00 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.432 000 2 GHz
-10.280 dBm
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
1
Center 2.43700 GHz
#Res BW 10 kHz
#VBW 30 kHz
Span 26.00 MHz
Sweep 248.7 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.424000000 GHz
Stop Freq
2.450000000 GHz
CF Step
1.600000 MHz
Auto
Man
Freq Offset
0 Hz

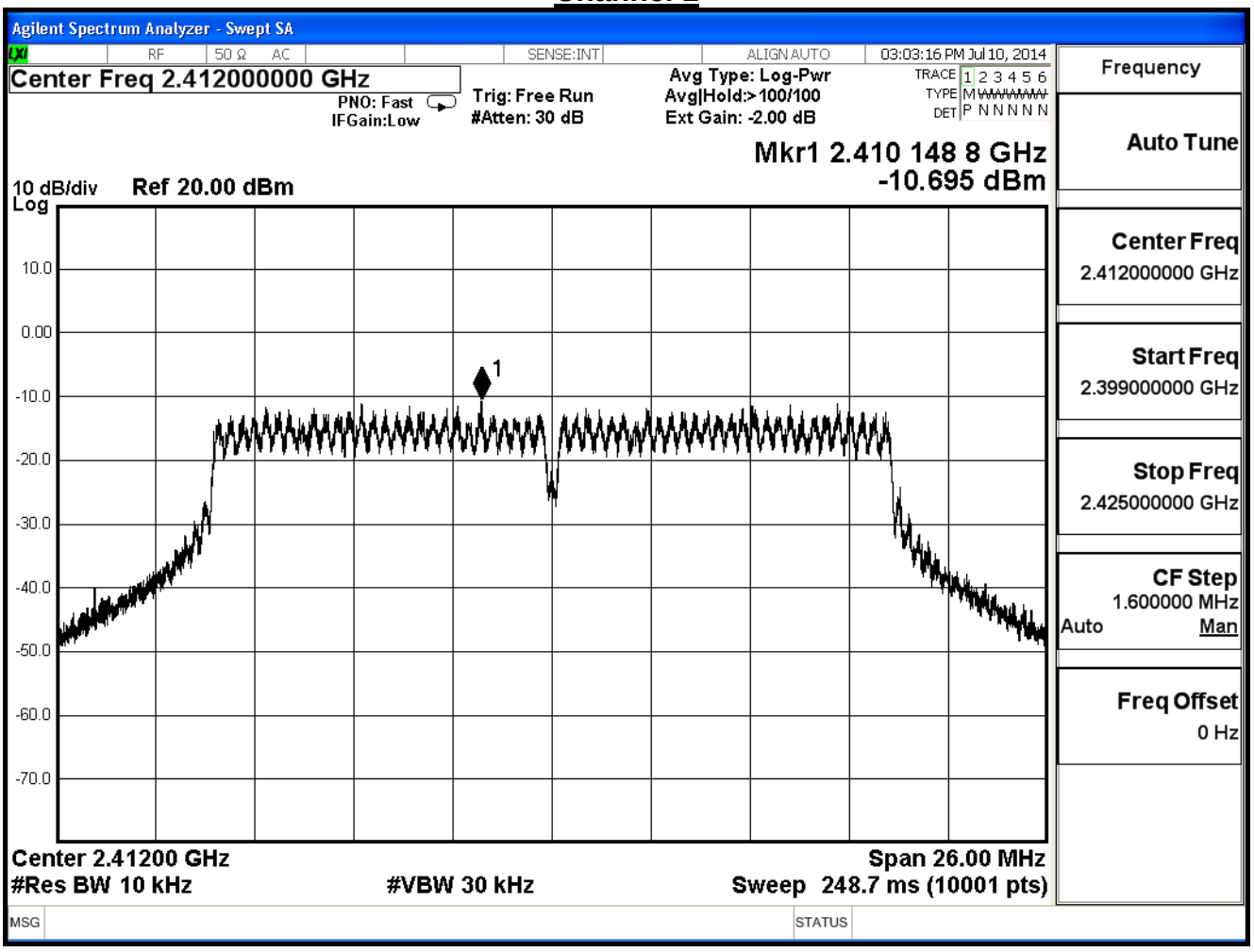
Channel 11


Agilent Spectrum Analyzer - Swept SA
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
02:59:06 PM Jul 10, 2014
Center Freq 2.462000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -2.00 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.454 501 6 GHz
-10.396 dBm
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
1
Center 2.46200 GHz
#Res BW 10 kHz
#VBW 30 kHz
Span 26.00 MHz
Sweep 248.7 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.462000000 GHz
Start Freq
2.449000000 GHz
Stop Freq
2.475000000 GHz
CF Step
1.600000 MHz
Auto
Man
Freq Offset
0 Hz

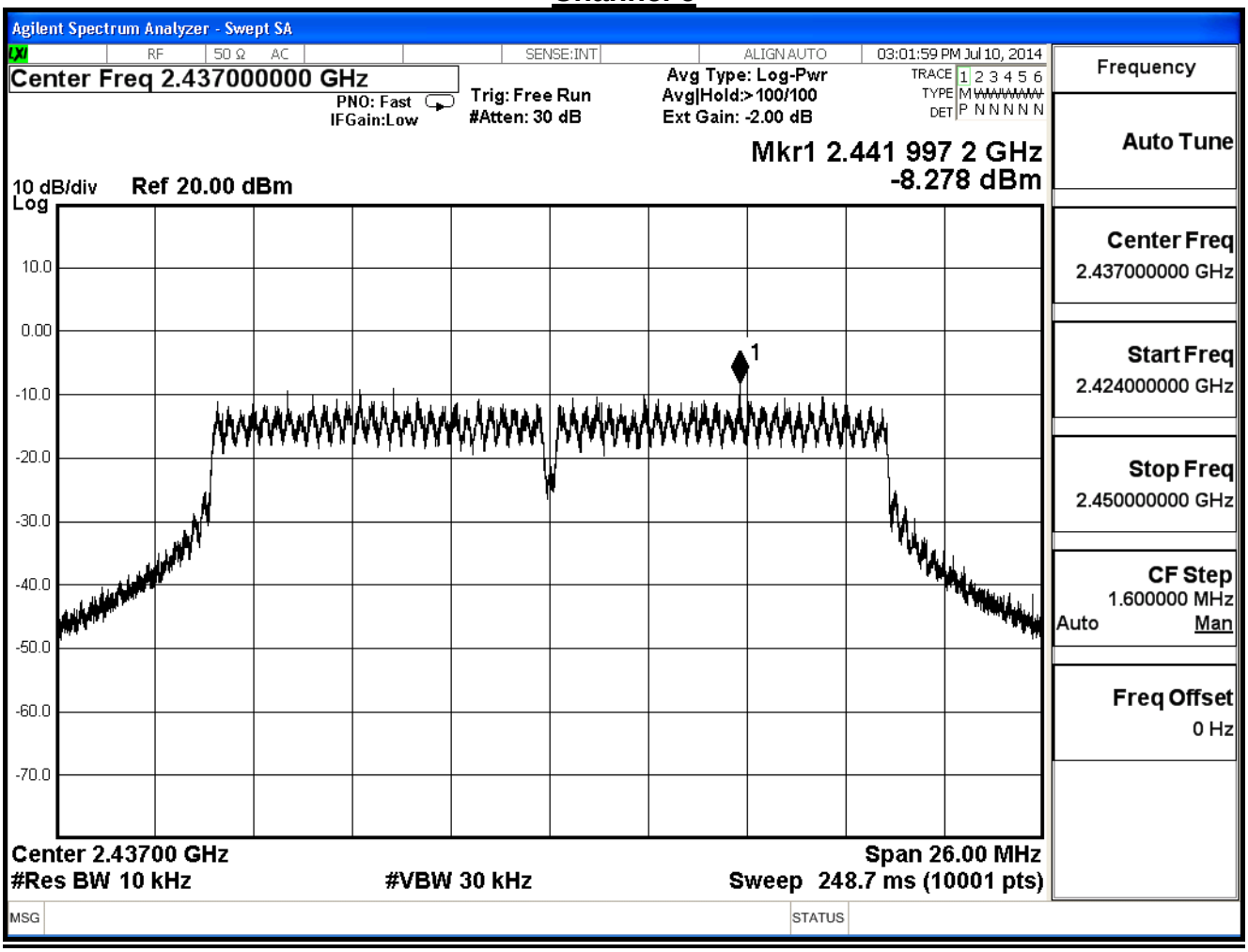
Product	Wireless Outdoor Access Point		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2014/07/08	Test Site	SR7

IEEE802.11n_20MHz, ANT 1				
Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)	Result
1	2412	-10.695	≦8	Pass
6	2437	-8.278	≦8	Pass
11	2462	-9.567	≦8	Pass

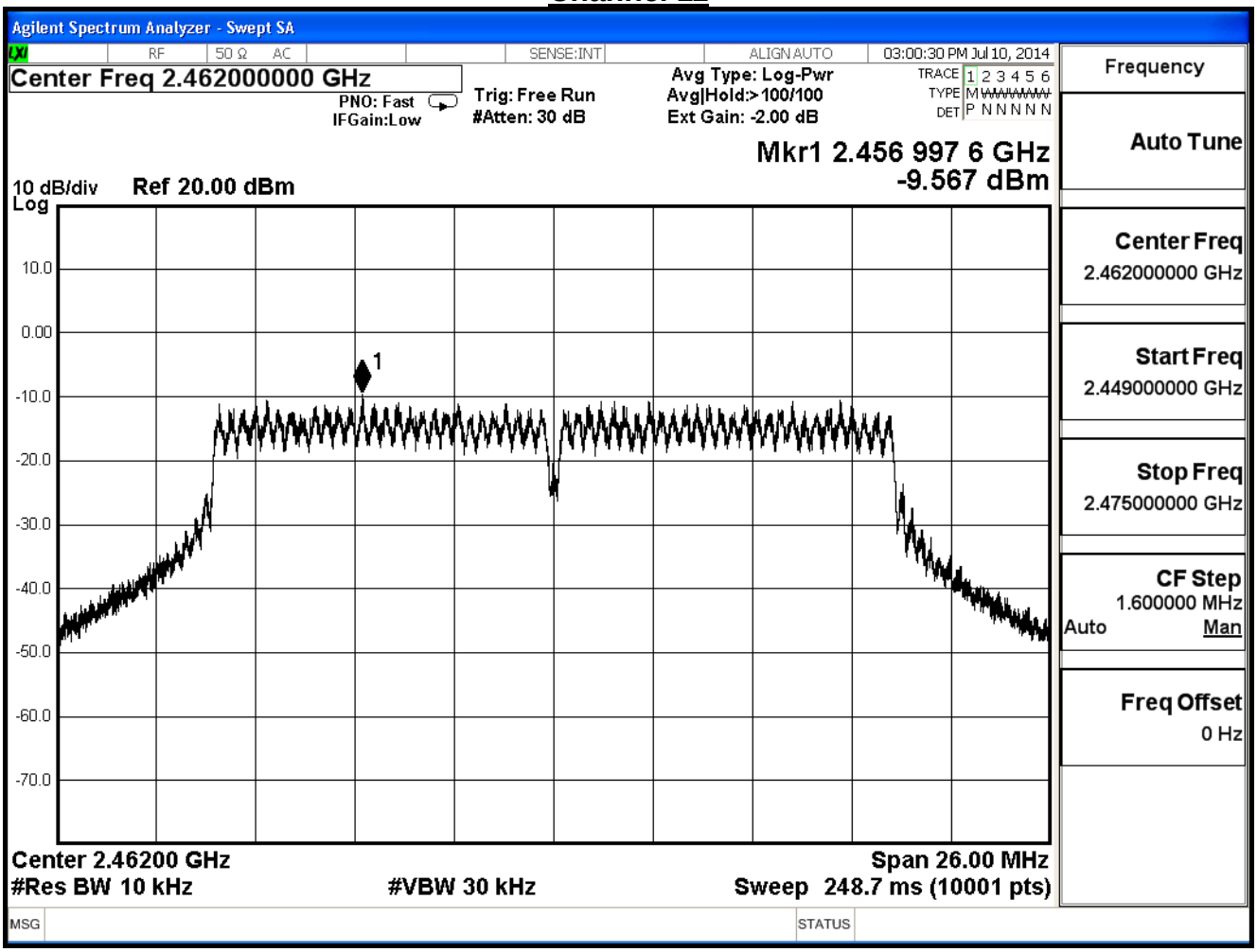
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
03:01:59 PM Jul 10, 2014
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -2.00 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.441 997 2 GHz
-8.278 dBm
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
1
Center 2.43700 GHz
#Res BW 10 kHz
#VBW 30 kHz
Span 26.00 MHz
Sweep 248.7 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.424000000 GHz
Stop Freq
2.450000000 GHz
CF Step
1.600000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 11


Agilent Spectrum Analyzer - Swept SA
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
03:00:30 PM Jul 10, 2014
Center Freq 2.462000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -2.00 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.456 997 6 GHz
-9.567 dBm
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
1
Center 2.46200 GHz
#Res BW 10 kHz
#VBW 30 kHz
Span 26.00 MHz
Sweep 248.7 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.462000000 GHz
Start Freq
2.449000000 GHz
Stop Freq
2.475000000 GHz
CF Step
1.600000 MHz
Auto
Man
Freq Offset
0 Hz

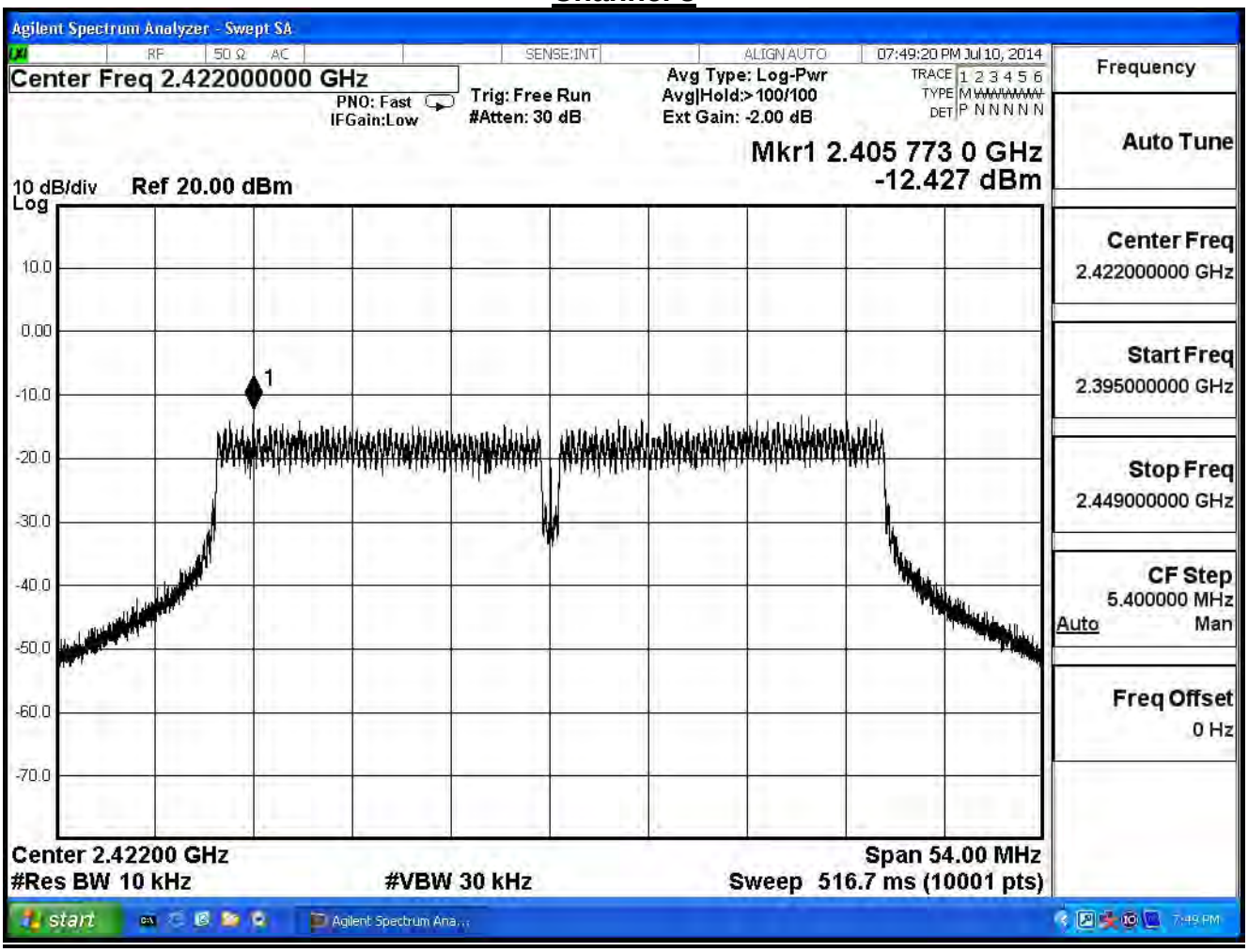
Product	Wireless Outdoor Access Point		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2014/07/08	Test Site	SR7

IEEE 802.11n(20MHz) ANT 0+1				
Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)	Result
3	2412	-7.859	≦8	Pass
6	2437	-6.154	≦8	Pass
9	2462	-6.953	≦8	Pass

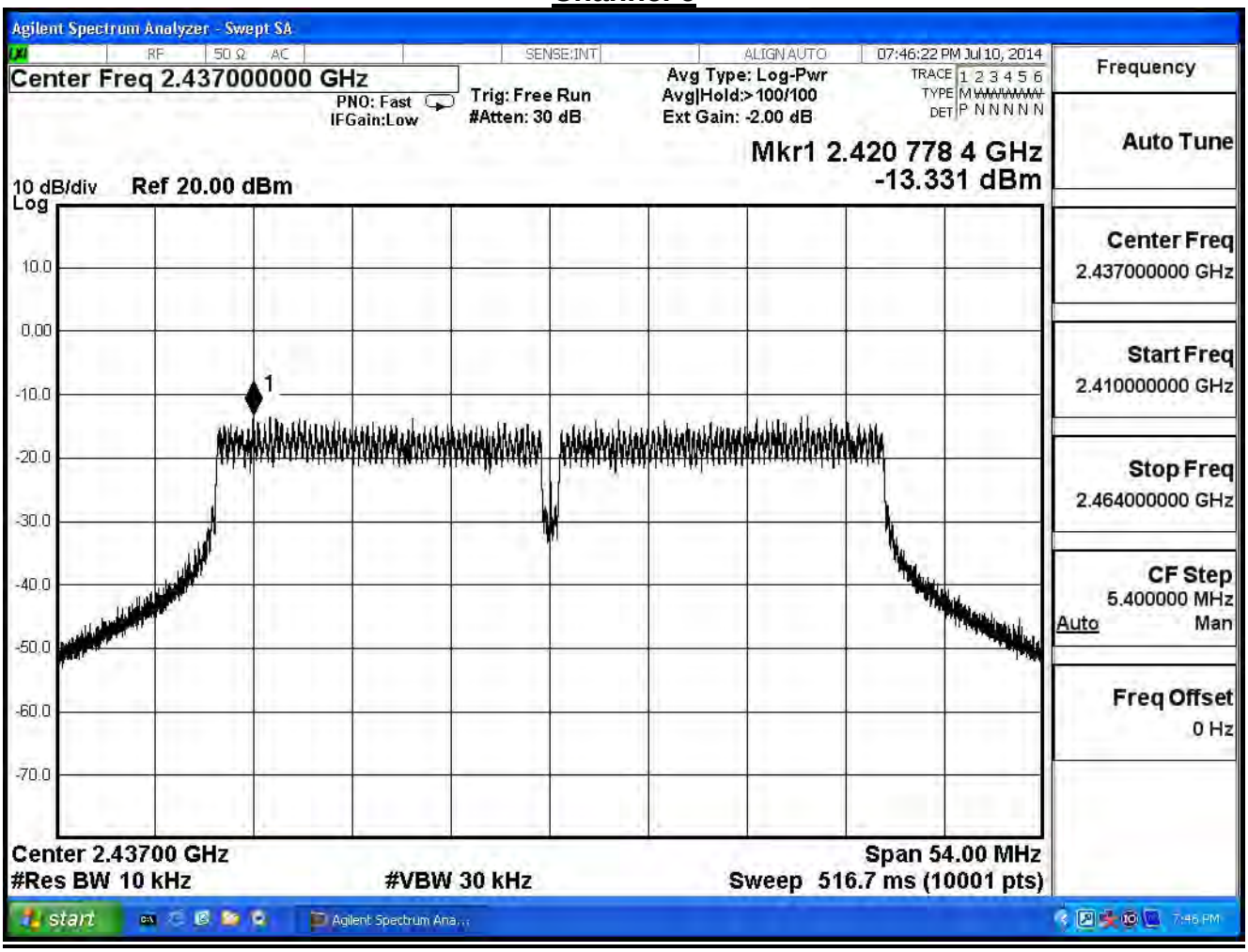
Product	Wireless Outdoor Access Point		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2014/07/08	Test Site	SR7

IEEE802.11n_40MHz, ANT 0				
Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)	Result
3	2412	-12.427	≦8	Pass
6	2437	-13.331	≦8	Pass
9	2462	-12.233	≦8	Pass

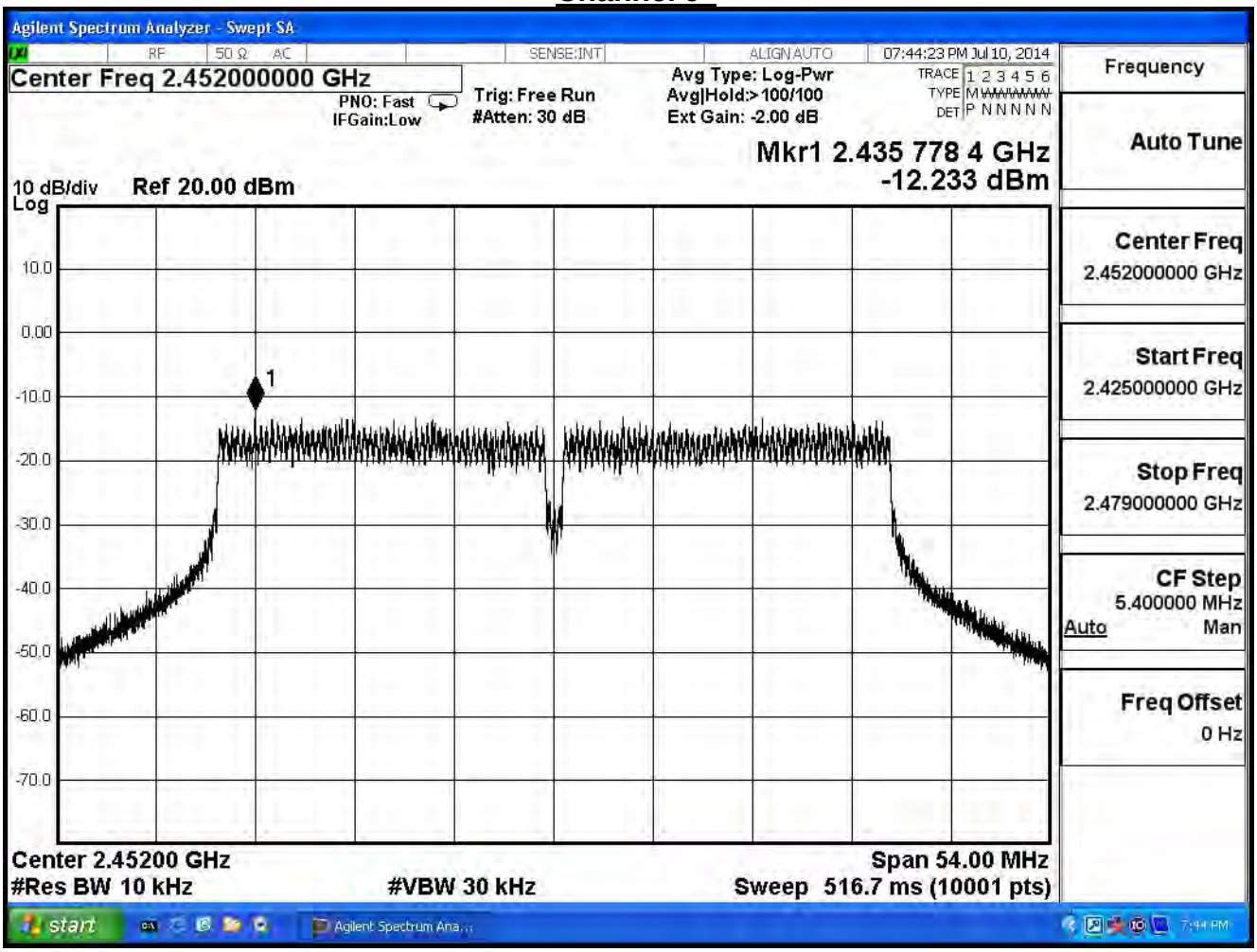
Channel 3



Channel 6


Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
07:46:22 PM Jul 10, 2014
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -2.00 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.420 778 4 GHz
-13.331 dBm
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
1
Center 2.43700 GHz
#Res BW 10 kHz
#VBW 30 kHz
Span 54.00 MHz
Sweep 516.7 ms (10001 pts)
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.410000000 GHz
Stop Freq
2.464000000 GHz
CF Step
5.400000 MHz
Auto
Man
Freq Offset
0 Hz
start
Agilent Spectrum Ana...
7:46 PM

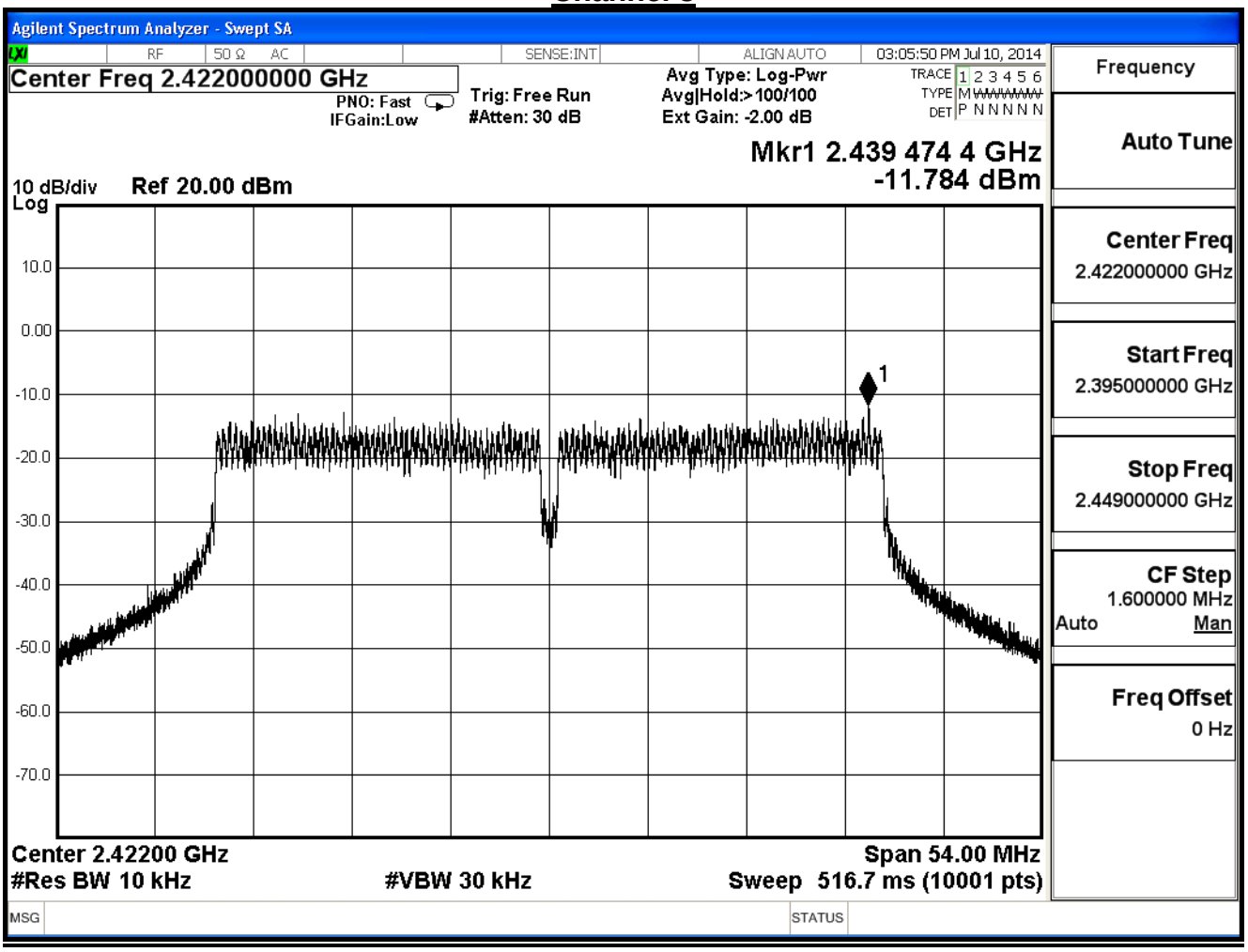
Channel 9


Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
07:44:23 PM Jul 10, 2014
Center Freq 2.452000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -2.00 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.435 778 4 GHz
-12.233 dBm
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
1
Center 2.45200 GHz
#Res BW 10 kHz
#VBW 30 kHz
Span 54.00 MHz
Sweep 516.7 ms (10001 pts)
Frequency
Auto Tune
Center Freq
2.452000000 GHz
Start Freq
2.425000000 GHz
Stop Freq
2.479000000 GHz
CF Step
5.400000 MHz
Auto
Man
Freq Offset
0 Hz
start
Agilent Spectrum Ana...
7:44 PM

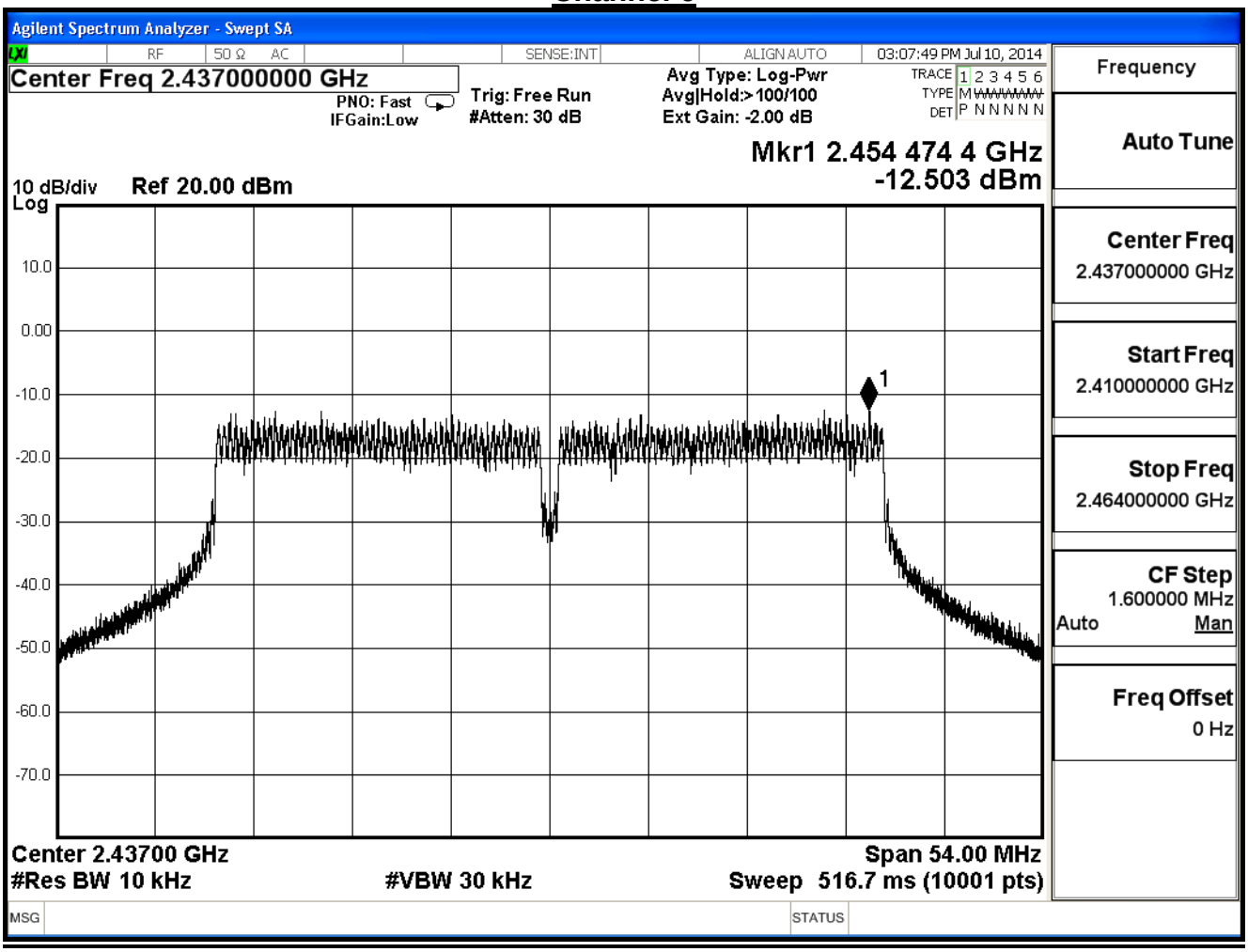
Product	Wireless Outdoor Access Point		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2014/07/08	Test Site	SR7

IEEE802.11n_40MHz, ANT 1				
Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)	Result
3	2422	-11.784	≦8	Pass
6	2437	-12.503	≦8	Pass
9	2452	-11.874	≦8	Pass

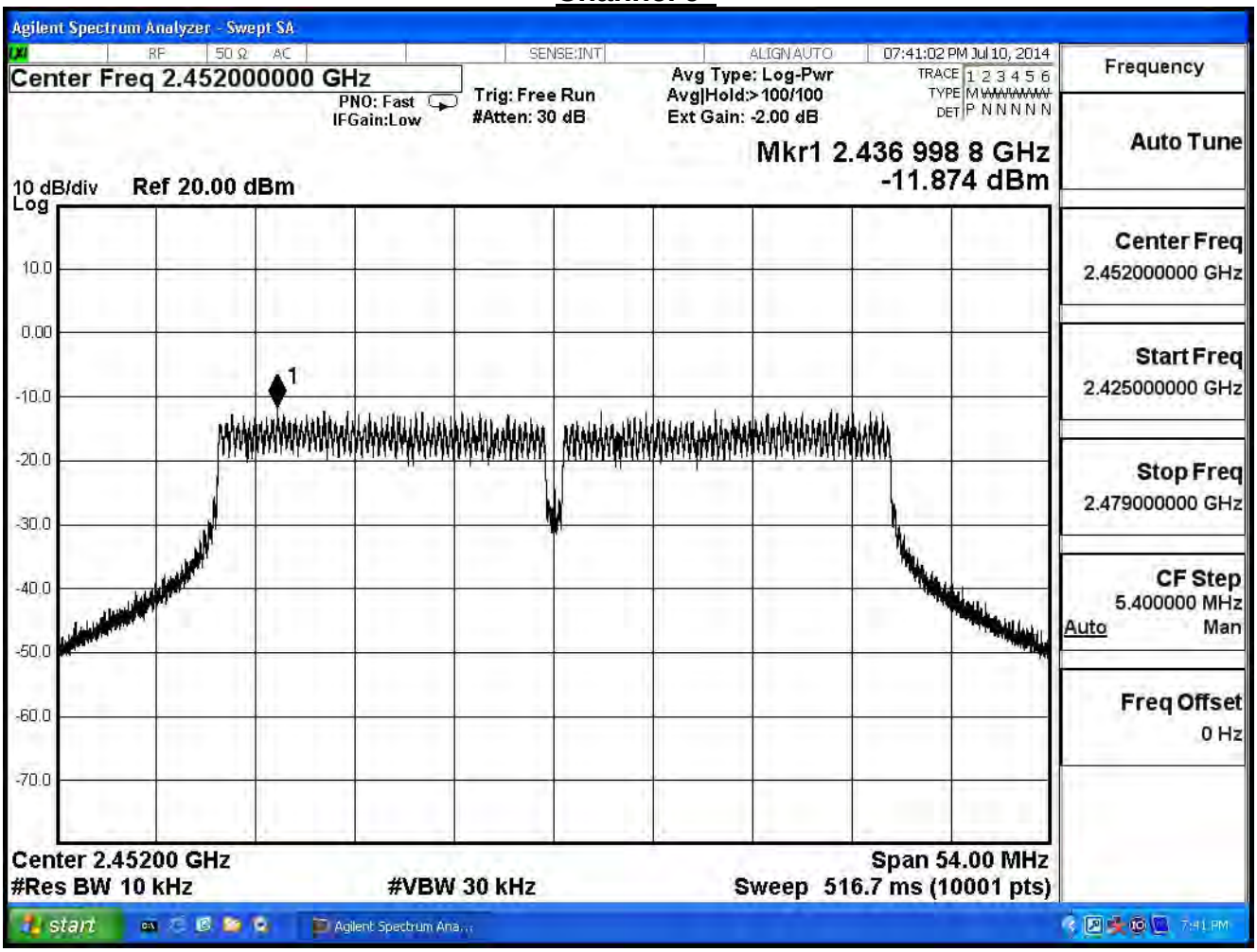
Channel 3



Channel 6


Agilent Spectrum Analyzer - Swept SA
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
03:07:49 PM Jul 10, 2014
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -2.00 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.454 474 4 GHz
-12.503 dBm
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
1
Center 2.43700 GHz
#Res BW 10 kHz
#VBW 30 kHz
Span 54.00 MHz
Sweep 516.7 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.410000000 GHz
Stop Freq
2.464000000 GHz
CF Step
1.600000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 9


Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
07:41:02 PM Jul 10, 2014
Center Freq 2.452000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -2.00 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.436 998 8 GHz
-11.874 dBm
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
1
Center 2.45200 GHz
#Res BW 10 kHz
#VBW 30 kHz
Span 54.00 MHz
Sweep 516.7 ms (10001 pts)
Frequency
Auto Tune
Center Freq
2.452000000 GHz
Start Freq
2.425000000 GHz
Stop Freq
2.479000000 GHz
CF Step
5.400000 MHz
Auto
Man
Freq Offset
0 Hz
start
Agilent Spectrum Ana...
7:41 PM

Product	Wireless Outdoor Access Point		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2014/07/08	Test Site	SR7

IEEE 802.11n(40MHz) (Worse Condition+10log(Ant N))=Ant0				
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
3	2422	-9.085	≦8	Pass
6	2437	-9.887	≦8	Pass
9	2452	-9.038	≦8	Pass