FCC Test Report

Product Name	：	Mesh WiFi AP
Model No.	：	AP5621-N-TH
FCC ID.	：	2AF7R-AP5621NTH

Applicant	：	Yang Hwa Technology Corp.
Address	：	31046 No.96, Gongye 2nd Rd., Zhudong Township, Hsinchu County 310, Taiwan (R.O.C.)

Date of Receipt	：	Sep. 01, 2015
Issued Date	：	Oct. 13, 2015
Report No.	：	1590141R-RFUSP38V00
Report Version	：	V1.0

Testing Laboratory
3024

Test Report Certification

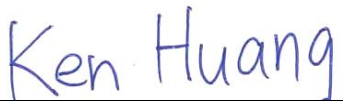
Issued Date : Oct. 13, 2015
Report No. : 1590141R-RFUSP38V00

Product Name	：	Mesh WiFi AP
Applicant	：	Yang Hwa Technology Corp.
Address	：	31046 No.96, Gongye 2nd Rd., Zhudong Township, Hsinchu County 310, Taiwan (R.O.C.)
Model No.	：	AP5621-N-TH
FCC ID.	：	2AF7R-AP5621NTH
EUT Test Voltage	：	AC 100-240V, 50-60Hz
Testing Voltage	：	AC 120V/60Hz
Applicable Standard	：	FCC CFR Title 47 Part 15 Subpart C Section 15.247: 2014 ANSI C63.10: 2013
Test Lab	：	QuieTek Hsin Chu Laboratory
Test Result	：	Complied

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

Documented By ： 

(Carol Tsai / Senior Engineering Adm. Specialist)

Tested By ： 

(Ken Huang / Engineer)

Approved By ： 

(Roy Wang / Director)

Revision History

Report No.	Version	Description	Issued Date
1590141R-RFUSP38V00	Rev. 1.0	Initial issue of report	Oct. 13, 2015

Laboratory Information

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

Taiwan R.O.C.	**:**	**TAF, Accreditation Number: 3024**
USA	**:**	**FCC, Registration Number: 365520**
Canada	**:**	**IC, Submission No: 181665 / IC Registration Number: 4075C-4**

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

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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

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1. General Information

1.1. EUT Description

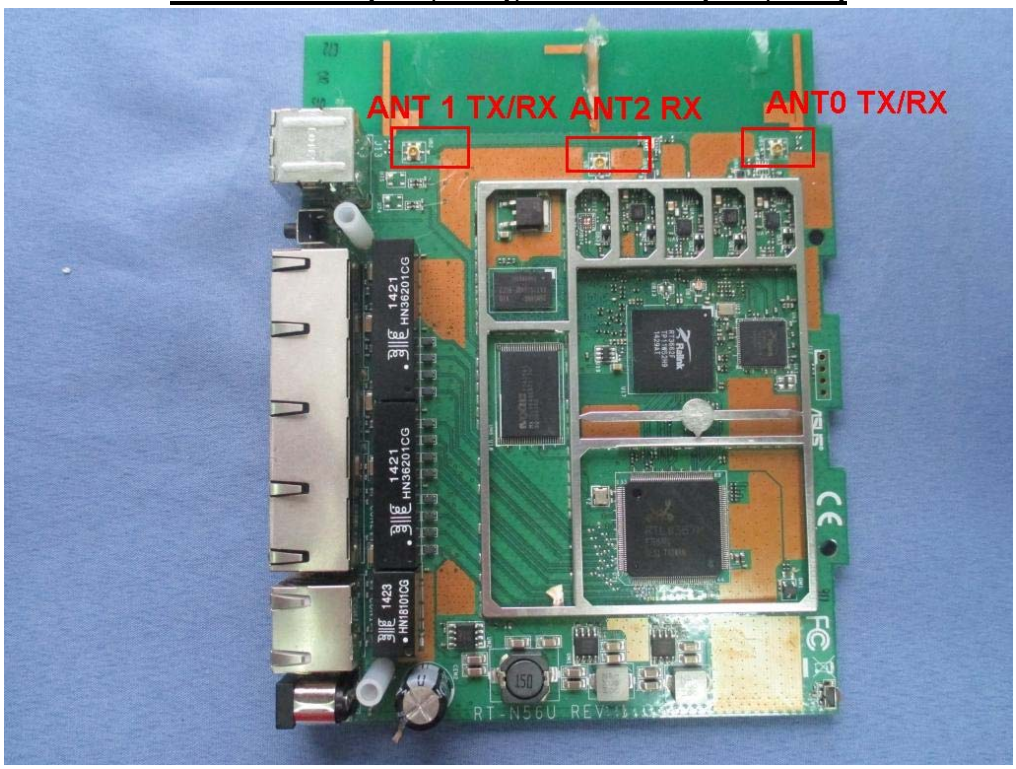
Product Name	Mesh WiFi AP
Model No.	AP5621-N-TH
Frequency Range/Channel Number -IEEE 802.11b/g & IEEE 802.11n (20MHz)	2412~2462MHz / 11 Channels
Frequency Range/Channel Number IEEE 802.11n (40MHz)	2422~2452MHz / 7 Channels
Type of Modulation (IEEE 802.11b)	Direct Sequence Spread Spectrum (DSSS)
Type of Modulation (IEEE 802.11g/n)	Orthogonal Frequency Division Multiplexing (OFDM)
Data Speed (IEEE 802.11b)	1Mbps, 2Mbps, 5.5Mbps, 11Mbps
Data Speed (IEEE 802.11g)	6Mbps,9Mbps,12Mbps,18Mbps,24Mbps,36Mbps,48Mbps,54Mbps
Data Speed (IEEE 802.11n)	Support a subset of the combination of GI, MCS 0~MCS 15 and bandwidth defined in 802.11n

Antenna Information	
Antenna Type	Omni Antenna
Antenna Gain	2.4GHz Ant 0: 4.00dBi Ant 1: 4.00dBi 5GHz Ant 0: 6.00dBi Ant 1: 6.00dBi

ANT-TX / RX & Bandwidth

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

2.4GHz WLAN(2TX, 3RX), 5GHz WLAN(2TX, 3RX)



IEEE 802.11n

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

Table 1 – MCS parameters for TX Antenna number = 1

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

Table 2 – MCS parameters for TX Antenna number = 2

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		

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		

Note:

1. This device is a Mesh WiFi AP, which including 2.4GHz b/g/n(2x3) and 5GHz a/n/ac (2x3) Transmitting and receiving function.
2. These test results on a sample of the device are for the purpose of demonstrating Compliance with Part 15 Subpart C Paragraph 15.247.
3. Regards to the frequency band operation; the lowest、middle and highest frequency of channel were selected to perform the test, and then shown on this report.
4. The function of the 5GHz transmitting is measured. The test report of the number is 1590141R-RFUSP45V00.
5. This device is a composite device in accordance with Part 15 regulations. The receiving function test and the report number is 1590141R-RFUSP01V00.

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 Mode

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

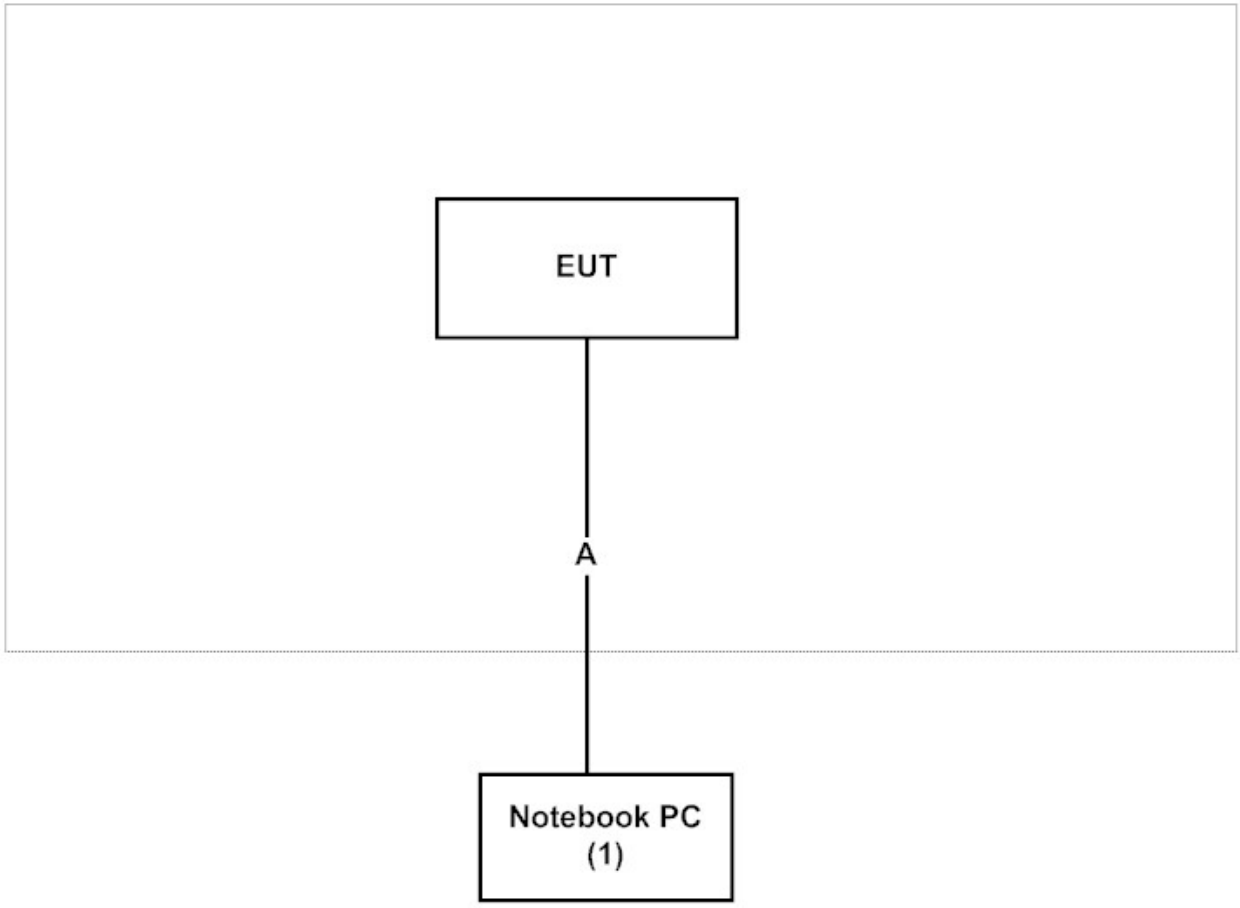
1.3. Tested System Details

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

Product		Manufacturer	Model No.	Serial No.	FCC ID	Power Cord
1	Notebook PC	ASUS	X522EP	E5N0CV043264197	DoC	Non-Shielded, 1.8m, one ferrite core bonded

1.4. Configuration of tested System

Connection Diagram



Signal Cable Type		Signal cable Description
A	LAN Cable	Non-Shielded, 3.0m

1.5. EUT Exercise Software

1	Setup the EUT as shown in Section 1.4.
2	Execute the telnet command on the EUT.
3	Configure the test mode, the test channel, and the data rate.
4	Press “Start TX” to start the continuous transmitting.
5	Verify that the EUT works properly.

1.6. Test Facility

Ambient conditions in the laboratory:

Items	Test Item	Required (IEC 68-1)	Actual
Temperature (°C)	FCC PART 15 C 15.207 Conducted Emission	15 - 35	20
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Peak Power Output	15 - 35	25
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Radiated Emission	15 - 35	20
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 RF antenna conducted test	15 - 35	25
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Band Edge	15 - 35	20
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 DTS Occupied Bandwidth	15 - 35	25
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Power Density	15 - 35	25
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000

2. Conducted Emission

2.1. Test Equipment

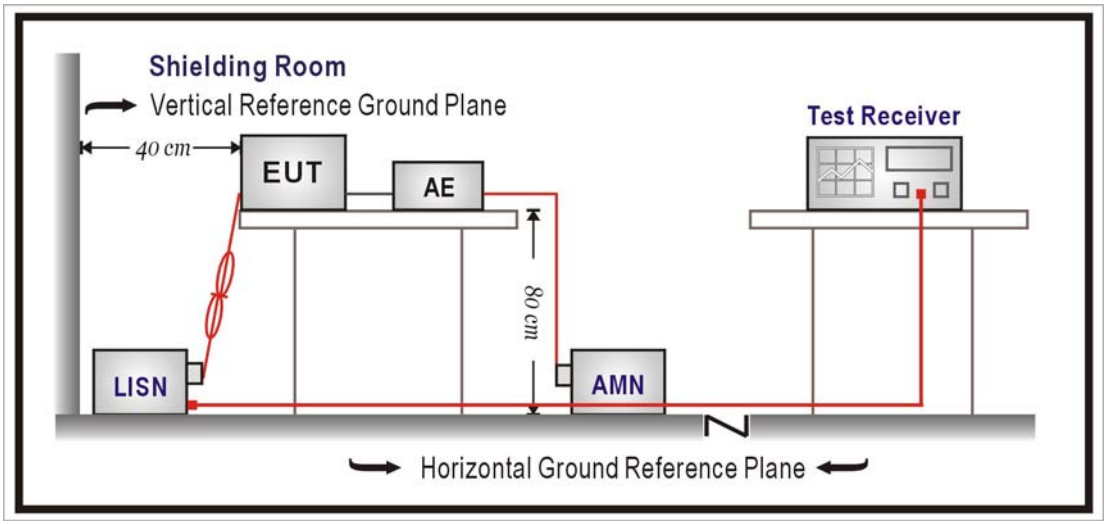
The following test equipments are used during the test:

Conducted Emission / SR3

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
LISN	R&S	ENV216	100096	2016/07/27
LISN	R&S	ESH3-Z5	836679/022	2015/12/15
Test Receiver	R&S	ESCS 30	825442/017	2016/01/14

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

2.2. Test Setup



2.3. Limits

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

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

2.4. Test Procedure

The EUT was setup according to ANSI C63.10:2013 and tested according to DTS test procedure of KDB558074 for compliance to FCC 47CFR 15.247 requirements.
The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs.)
Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

2.5. Test Specification

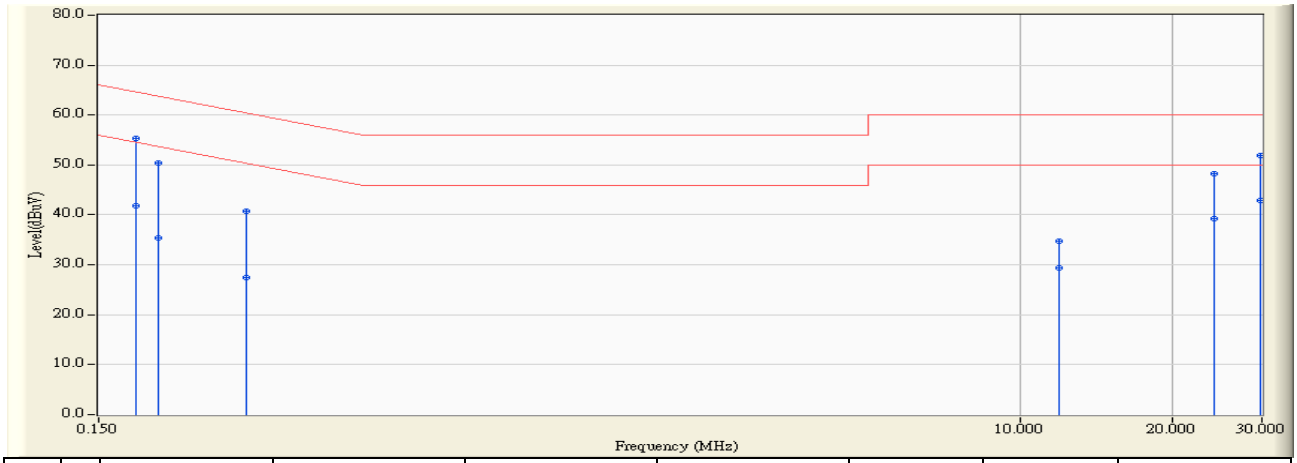
According to FCC Part 15 Subpart C Paragraph 15.207: 2014

2.6. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

2.7. Test Result

Site : SR3	**Time : 2015/10/06 - 10:21**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR3_LISN(16A)-5_0728 - Line1	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(40M)_2437MHz**

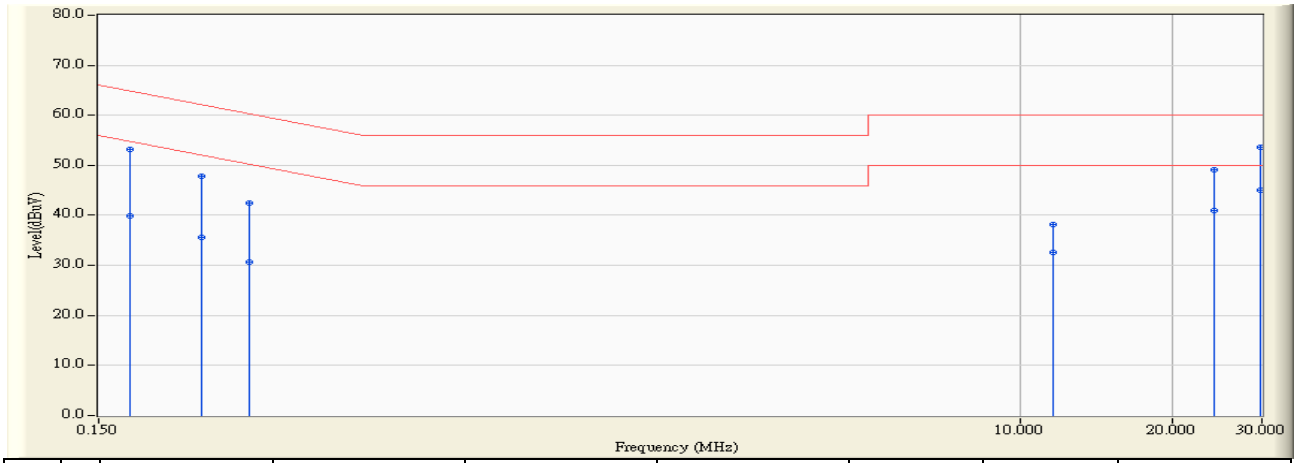


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.177	9.749	45.640	55.388	-9.221	64.609	QUASIPEAK
2		0.177	9.749	32.120	41.868	-12.741	54.609	AVERAGE
3		0.197	9.749	40.760	50.508	-13.233	63.741	QUASIPEAK
4		0.197	9.749	25.660	35.408	-18.333	53.741	AVERAGE
5		0.295	9.760	30.920	40.680	-19.715	60.396	QUASIPEAK
6		0.295	9.760	17.740	27.500	-22.895	50.396	AVERAGE
7		11.892	10.150	24.580	34.730	-25.270	60.000	QUASIPEAK
8		11.892	10.150	19.190	29.340	-20.660	50.000	AVERAGE
9		24.197	10.354	37.900	48.254	-11.746	60.000	QUASIPEAK
10		24.197	10.354	28.910	39.264	-10.736	50.000	AVERAGE
11		29.779	10.361	41.620	51.980	-8.020	60.000	QUASIPEAK
12	*	29.779	10.361	32.460	42.820	-7.180	50.000	AVERAGE

Note:

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

Site : SR3	**Time : 2015/10/06 - 10:24**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR3_LISN(16A)-5_0728 - Line2	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(40M)_2437MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.173	9.746	43.520	53.266	-11.528	64.794	QUASIPEAK
2		0.173	9.746	30.100	39.846	-14.948	54.794	AVERAGE
3		0.240	9.751	38.020	47.771	-14.331	62.102	QUASIPEAK
4		0.240	9.751	25.880	35.631	-16.471	52.102	AVERAGE
5		0.298	9.756	32.780	42.536	-17.750	60.286	QUASIPEAK
6		0.298	9.756	20.950	30.706	-19.580	50.286	AVERAGE
7		11.619	10.192	27.900	38.092	-21.908	60.000	QUASIPEAK
8		11.619	10.192	22.470	32.662	-17.338	50.000	AVERAGE
9		24.193	10.549	38.520	49.069	-10.931	60.000	QUASIPEAK
10		24.193	10.549	30.410	40.959	-9.041	50.000	AVERAGE
11		29.775	10.656	43.060	53.716	-6.284	60.000	QUASIPEAK
12	*	29.775	10.656	34.400	45.056	-4.944	50.000	AVERAGE

Note:

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

3. Peak Power Output

3.1. Test Equipment

The following test equipments are used during the test:

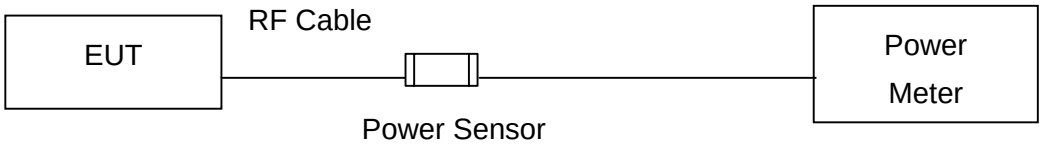
Peak Power Output / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Power Meter	Agilent	N1911A	MY45101353	2015/10/31
Power Sensor	Agilent	N1921A	MY45241670	2015/10/31

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

3.2. Test Setup

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



3.3. Test procedures

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

3.4. Limits

The maximum peak power shall be less 1 Watt.

3.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2014

3.6. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB.

3.7. Test Result

Product	Mesh WiFi AP		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2015/10/12	Test Site	SR7

IEEE 802.11b (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	17.900	≦30
6	2437	17.700	≦30
11	2462	17.350	≦30

The worst emission of data rate is 1Mbps.

Peak Power Output (dBm)						
Channel No	Frequency (MHz)	Data Rate (Mbps)				Required Limit
		1	2	5.5	11	
1	2412	17.90	--	--	--	≦30dBm
6	2437	17.70	17.60	17.36	17.14	≦30dBm
11	2462	17.35	--	--	--	≦30dBm

Product	Mesh WiFi AP		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2015/10/12	Test Site	SR7

IEEE 802.11g (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	24.600	≦30
6	2437	24.440	≦30
11	2462	23.110	≦30

The worst emission of data rate is 6 Mbps.

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
1	2412	24.60	--	--	--	--	--	--	≦30dBm
6	2437	24.44	24.24	24.02	23.89	23.77	23.66	23.54	≦30dBm
11	2462	23.11	--	--	--	--	--	--	≦30dBm

Product	Mesh WiFi AP		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2015/10/12	Test Site	SR7

IEEE 802.11n (20MHz) (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	23.800	≦28.99	Pass
6	2437	23.710	≦28.99	Pass
11	2462	22.660	≦28.99	Pass

The worst emission of data rate is 13 Mbps.

Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		13	26	39	52	78	104	117	130	
1	2412	23.80	--	--	--	--	--	--	--	≦28.99dBm
6	2437	23.71	23.59	23.49	23.27	23.14	23.02	22.78	22.56	≦28.99dBm
11	2462	22.66	--	--	--	--	--	--	--	≦28.99dBm

Product	Mesh WiFi AP		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2015/10/12	Test Site	SR7

IEEE 802.11n (20MHz) (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	18.600	≦28.99	Pass
6	2437	17.120	≦28.99	Pass
11	2462	16.560	≦28.99	Pass

The worst emission of data rate is 13 Mbps.

Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		13	26	39	52	78	104	117	130	
1	2412	18.60	--	--	--	--	--	--	--	≦28.99dBm
6	2437	17.12	17.02	16.90	16.70	16.58	16.34	16.10	15.97	≦28.99dBm
11	2462	16.56	--	--	--	--	--	--	--	≦28.99dBm

Product	Mesh WiFi AP		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2015/10/12	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	24.946	≦28.99	Pass
6	2437	24.571	≦28.99	Pass
11	2462	23.613	≦28.99	Pass

Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		13	26	39	52	78	104	117	130	
1	2412	24.95	--	--	--	--	--	--	--	≦28.99dBm
6	2437	24.57	24.45	24.35	24.13	24.01	23.86	23.62	23.42	≦28.99dBm
11	2462	23.61	--	--	--	--	--	--	--	≦28.99dBm

Product	Mesh WiFi AP		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2015/10/12	Test Site	SR7

IEEE 802.11n (40MHz) (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	19.710	≦28.99	Pass
6	2437	19.400	≦28.99	Pass
9	2452	18.900	≦28.99	Pass

The worst emission of data rate is 27 Mbps.

Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		27	54	81	108	162	216	243	270	
3	2422	19.71	--	--	--	--	--	--	--	≦28.99dBm
6	2437	19.40	19.20	19.09	18.99	18.89	18.77	18.51	18.27	≦28.99dBm
9	2452	18.90	--	--	--	--	--	--	--	≦28.99dBm

Product	Mesh WiFi AP		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2015/10/12	Test Site	SR7

IEEE 802.11n (40MHz) (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	19.340	≦28.99	Pass
6	2437	19.120	≦28.99	Pass
9	2452	16.120	≦28.99	Pass

The worst emission of data rate is 27 Mbps.

Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		27	54	81	108	162	216	243	270	
3	2422	19.34	--	--	--	--	--	--	--	≦28.99dBm
6	2437	19.12	18.92	18.82	18.69	18.59	18.47	18.35	18.11	≦28.99dBm
9	2452	16.12	--	--	--	--	--	--	--	≦28.99dBm

Product	Mesh WiFi AP		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2015/10/12	Test Site	SR7

IEEE 802.11n (40MHz) (ANT 0+1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	22.539	≦28.99	Pass
6	2437	22.273	≦28.99	Pass
9	2452	20.739	≦28.99	Pass

Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		27	54	81	108	162	216	243	270	
3	2422	22.54	--	--	--	--	--	--	--	≦28.99dBm
6	2437	22.27	22.07	21.97	21.85	21.75	21.63	21.44	21.20	≦28.99dBm
9	2452	20.74	--	--	--	--	--	--	--	≦28.99dBm

4. Radiated Emission

4.1. Test Equipment

The following test equipments are used during the test:

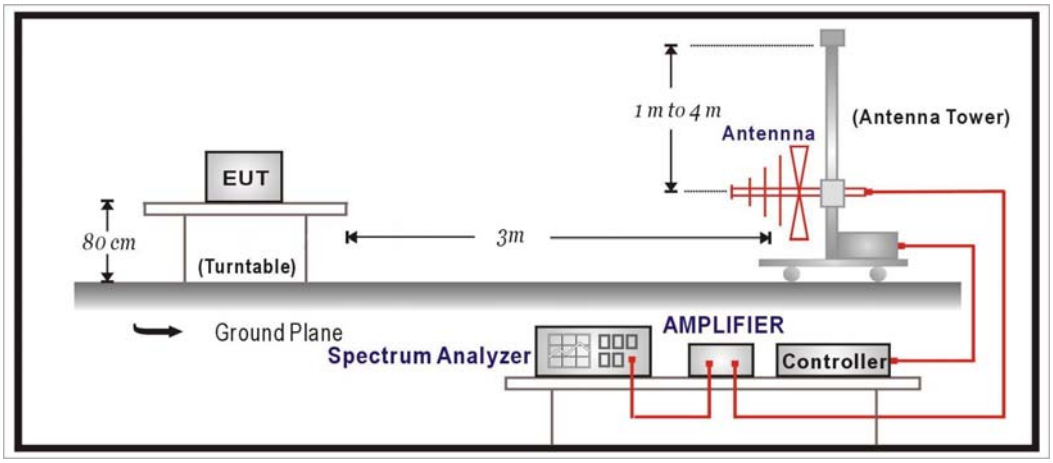
Radiated Emission / CB1

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Bilog Antenna	Schaffner	CBL6112B	2895	2016/08/14
Double Ridged Guide Horn Antenna	Schwarzbeck	BBHA 9120	D743	2016/01/26
Pre-Amplifier	EMCI	EMC0031835	980233	2016/01/18
Pre-Amplifier	QuieTek	AP-025C	CHM-0706049	2016/01/18
Spectrum Analyzer	Agilent	E4440A	MY46187335	2016/01/07
k Type Cable	Huber+Suhner	SF 102	25623/2	2016/01/26
Horn Antenna	Schwarzbeck	BBHA 9170	203	2016/09/07
Signal & Spectrum Analyzer	R&S	FSV40	101049	2015/10/30

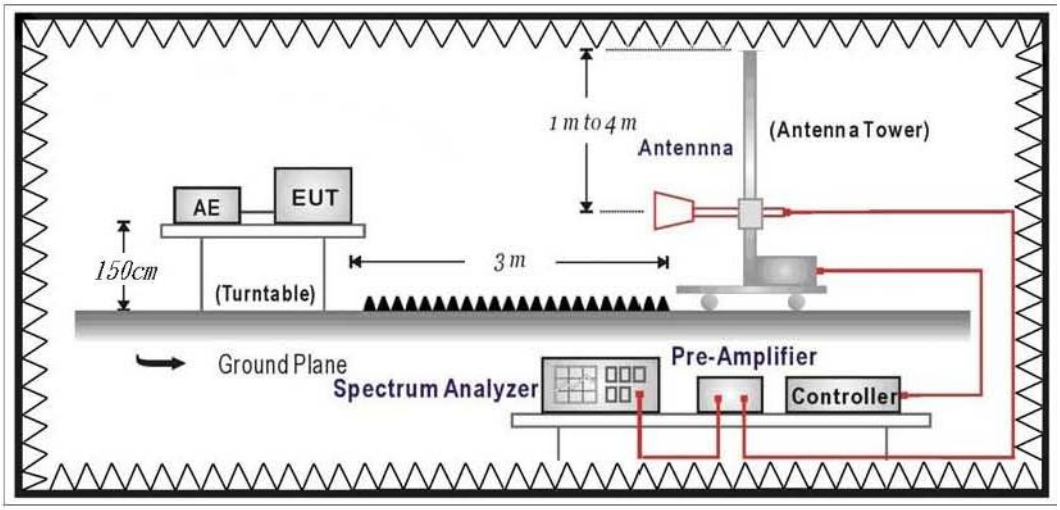
Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

4.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



4.3. Limits

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

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

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

4.4. Test Procedure

The EUT was setup according to ANSI C63.10:2013 and tested according to DTS test procedure of KDB558074 v03r02 for compliance to FCC 47CFR 15.247 requirements.
The EUT and its simulators are placed on a turn table which is 0.8 meter above ground(under 1GHz) or 1.5 meter above ground (above 1GHz). The turn table can rotate 360 degrees to determine the position of the maximum emission level.
The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10 on radiated measurement.
On any frequency or frequencies below or equal to 1000 MHz, the limits shown are based on measuring equipment employing a quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limits shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.
The bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz.

4.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2014

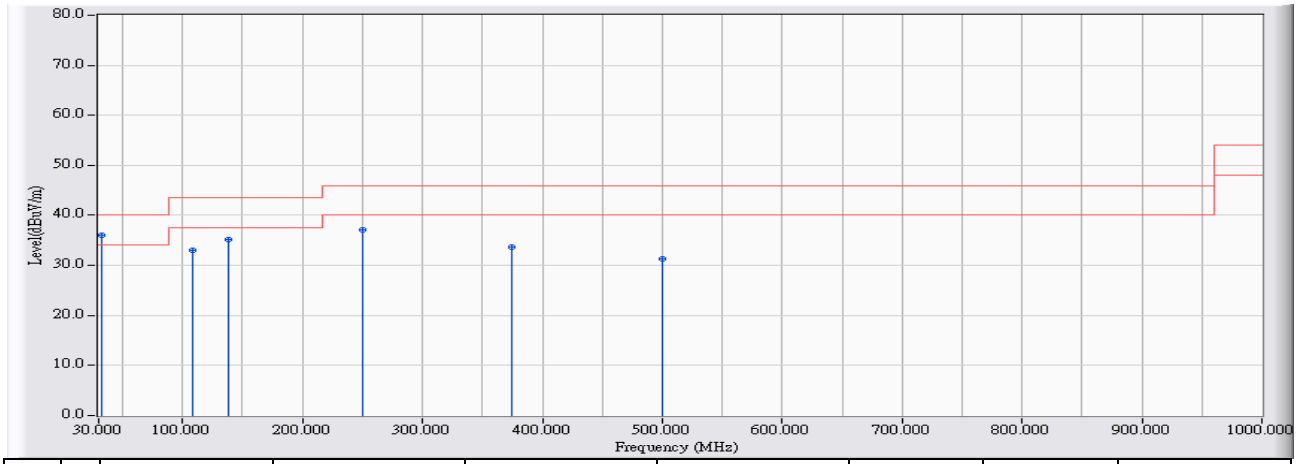
4.6. Uncertainty

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

4.7. Test Result

30MHz-1GHz Spurious

Site : CB1	**Time : 2015/09/30 - 14:49**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11b_2437MHz**

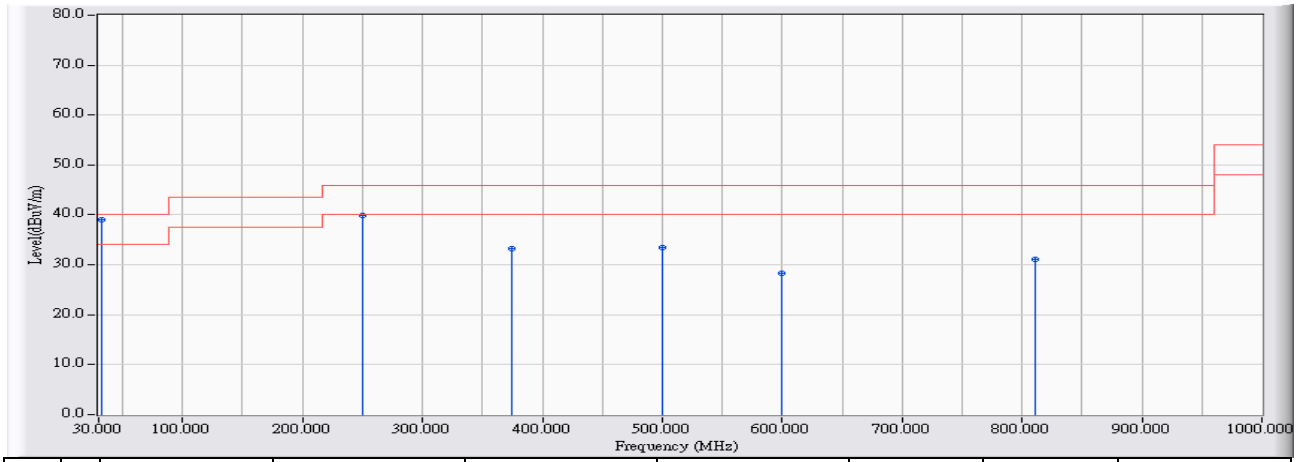


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	32.909	13.128	22.865	35.993	-4.007	40.000	AVERAGE
2		108.531	10.259	22.864	33.123	-10.377	43.500	AVERAGE
3		138.101	10.197	25.012	35.209	-8.291	43.500	AVERAGE
4		249.595	11.849	25.345	37.194	-8.806	46.000	AVERAGE
5		374.663	14.546	19.202	33.748	-12.252	46.000	AVERAGE
6		499.730	17.175	14.106	31.281	-14.719	46.000	AVERAGE

Note:

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

Site : CB1	**Time : 2015/09/30 - 15:04**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11b_2437MHz**

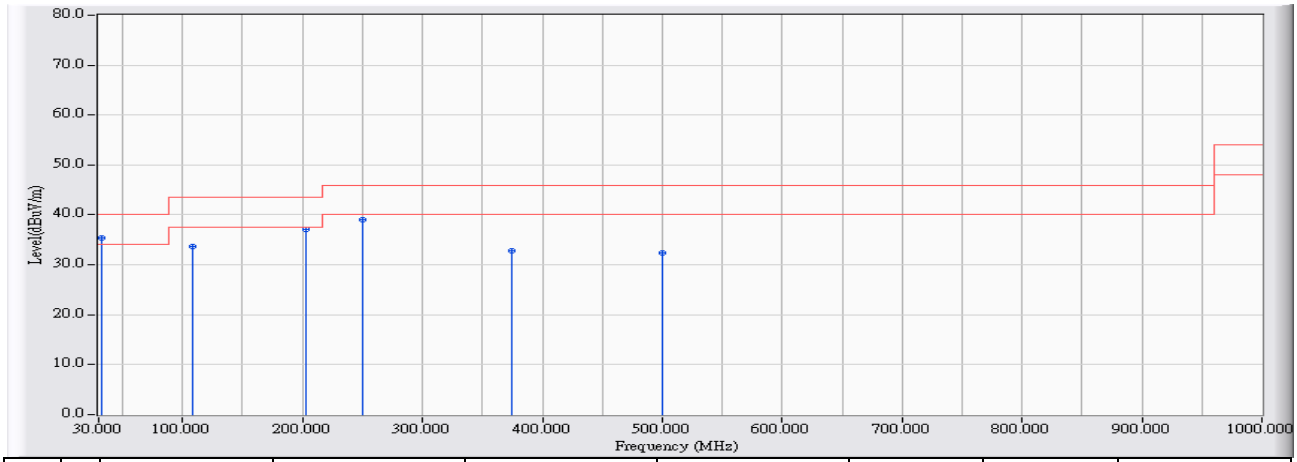


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	32.424	13.258	25.833	39.091	-0.909	40.000	QUASIPEAK
2		249.595	11.849	27.993	39.842	-6.158	46.000	QUASIPEAK
3		374.663	14.546	18.727	33.273	-12.727	46.000	QUASIPEAK
4		499.730	17.175	16.199	33.374	-12.626	46.000	QUASIPEAK
5		599.590	17.482	10.743	28.225	-17.775	46.000	QUASIPEAK
6		811.429	19.243	11.856	31.099	-14.901	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2015/09/30 - 15:08**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11g_2437MHz**

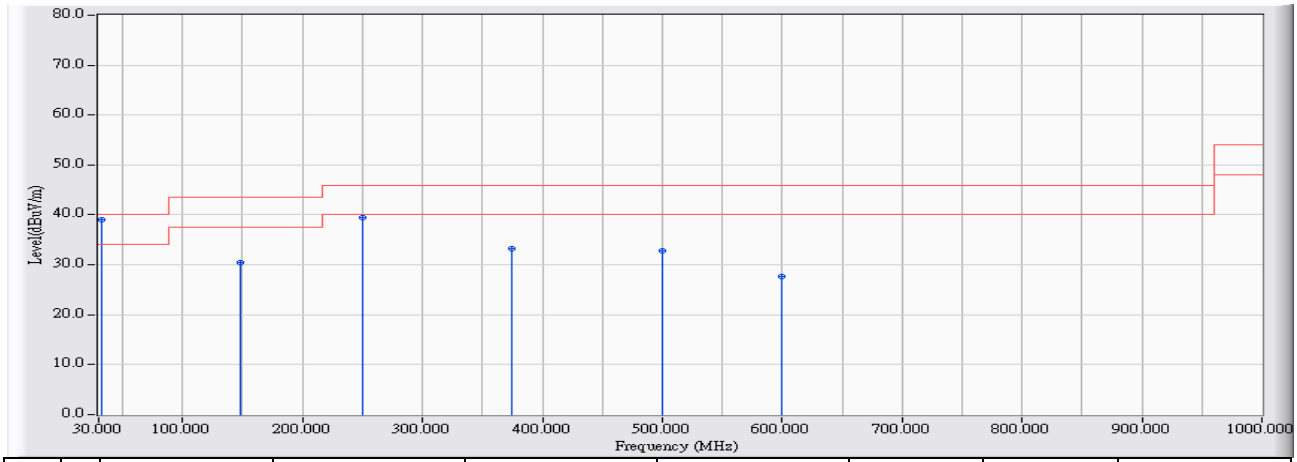


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	32.424	13.258	22.082	35.340	-4.660	40.000	QUASIPEAK
2		108.531	10.259	23.358	33.617	-9.883	43.500	QUASIPEAK
3		202.574	8.356	28.669	37.025	-6.475	43.500	QUASIPEAK
4		249.595	11.849	27.239	39.088	-6.912	46.000	QUASIPEAK
5		374.663	14.546	18.326	32.872	-13.128	46.000	QUASIPEAK
6		499.730	17.175	15.179	32.354	-13.646	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2015/09/30 - 15:08**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11g_2437MHz**

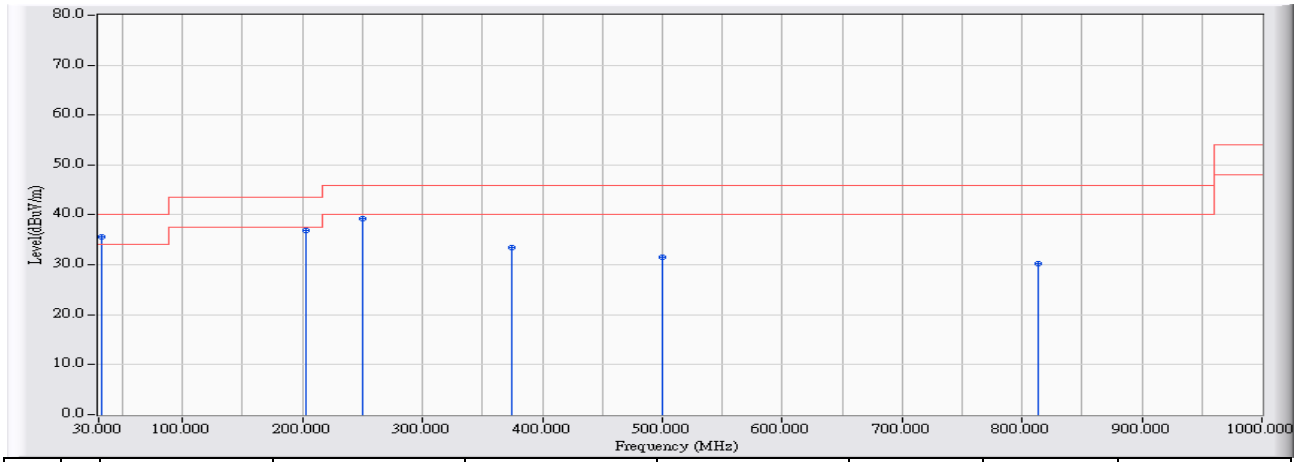


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	32.424	13.258	25.760	39.018	-0.982	40.000	QUASIPEAK
2		147.796	9.743	20.678	30.422	-13.078	43.500	QUASIPEAK
3		249.595	11.849	27.680	39.529	-6.471	46.000	QUASIPEAK
4		374.663	14.546	18.775	33.321	-12.679	46.000	QUASIPEAK
5		499.730	17.175	15.640	32.815	-13.185	46.000	QUASIPEAK
6		599.590	17.482	10.278	27.760	-18.240	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2015/09/30 - 15:13**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(20M)_2437MHz**

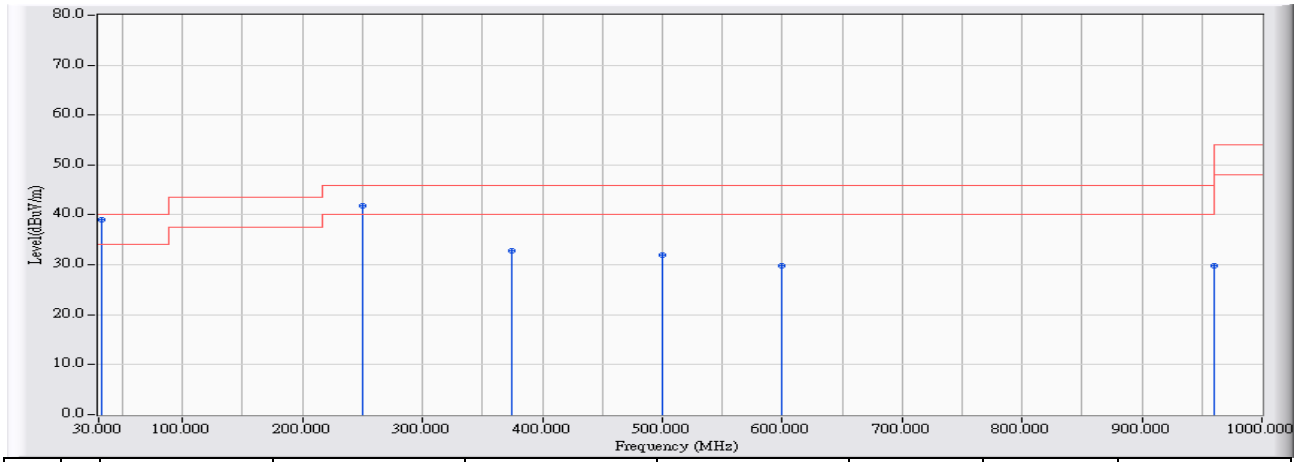


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	32.909	13.128	22.515	35.643	-4.357	40.000	QUASIPEAK
2		202.574	8.356	28.531	36.887	-6.613	43.500	QUASIPEAK
3		249.595	11.849	27.303	39.152	-6.848	46.000	QUASIPEAK
4		374.663	14.546	19.016	33.562	-12.438	46.000	QUASIPEAK
5		499.730	17.175	14.247	31.422	-14.578	46.000	QUASIPEAK
6		813.368	19.249	10.963	30.211	-15.789	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2015/09/30 - 15:17**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(20M)_2437MHz**

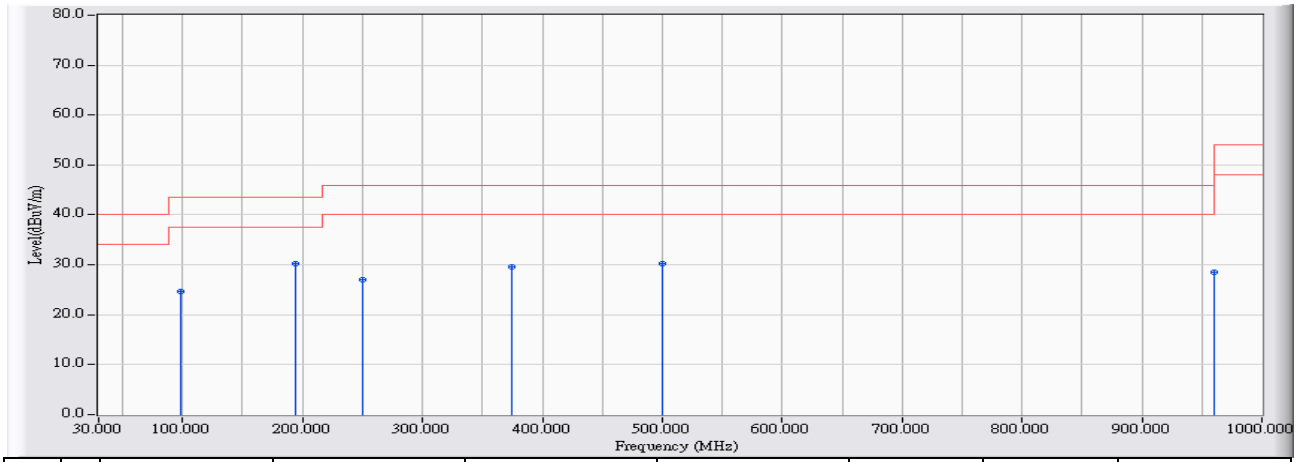


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	32.424	13.258	25.799	39.057	-0.943	40.000	QUASIPEAK
2		249.595	11.849	29.902	41.751	-4.249	46.000	QUASIPEAK
3		374.663	14.546	18.311	32.857	-13.143	46.000	QUASIPEAK
4		499.730	17.175	14.824	31.999	-14.001	46.000	QUASIPEAK
5		599.590	17.482	12.410	29.892	-16.108	46.000	QUASIPEAK
6		959.765	19.960	9.825	29.785	-16.215	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2015/09/30 - 15:25**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(40M)_2437MHz**

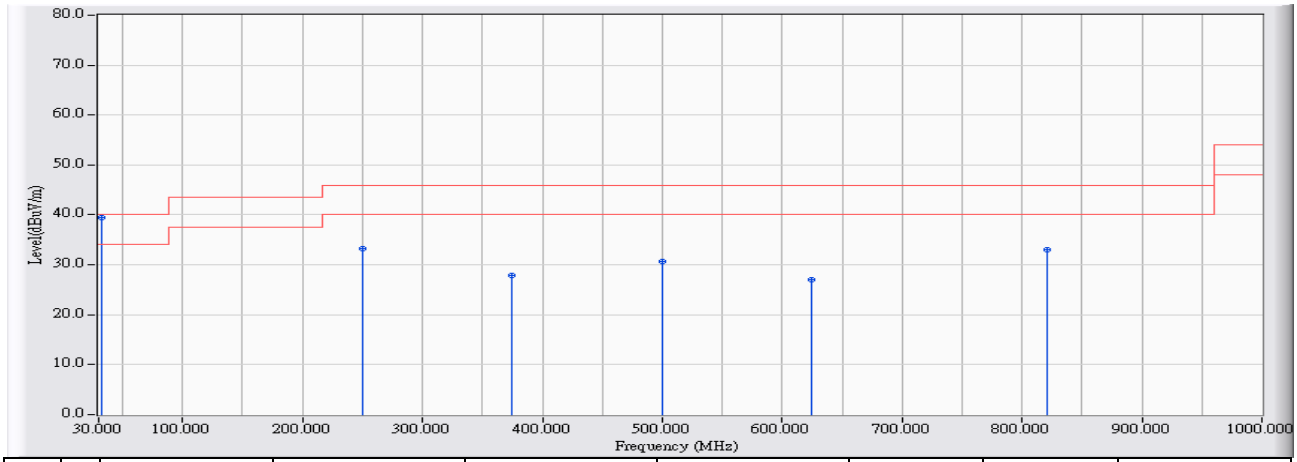


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		98.351	9.456	15.123	24.579	-18.921	43.500	QUASIPEAK
2	*	193.848	8.194	22.104	30.298	-13.202	43.500	QUASIPEAK
3		249.595	11.849	15.097	26.946	-19.054	46.000	QUASIPEAK
4		374.663	14.546	15.112	29.658	-16.342	46.000	QUASIPEAK
5		499.730	17.175	13.070	30.245	-15.755	46.000	QUASIPEAK
6		959.765	19.960	8.500	28.460	-17.540	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2015/09/30 - 15:30**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(40M)_2437MHz**



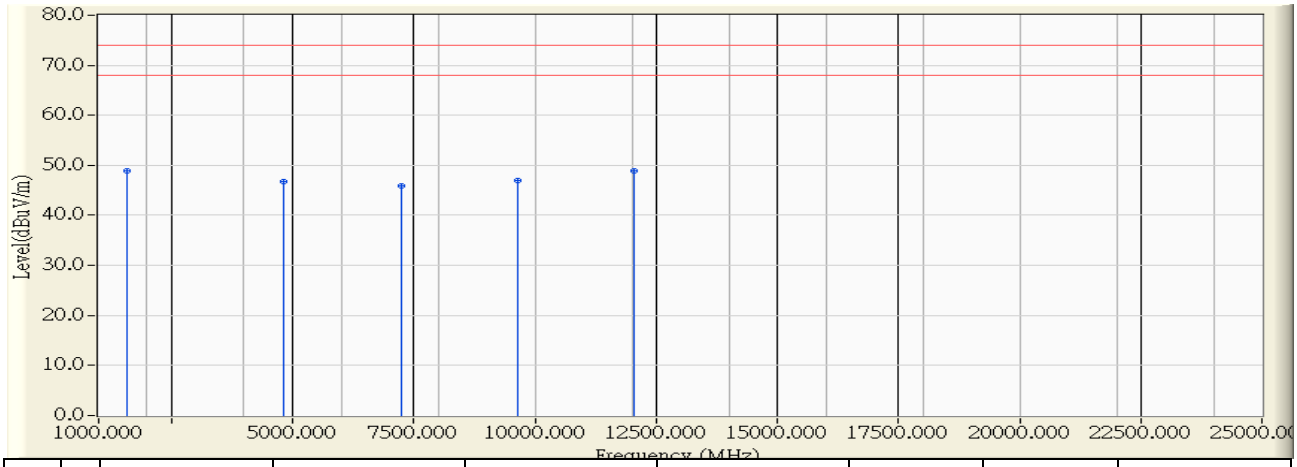
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	31.939	13.388	25.986	39.373	-0.627	40.000	QUASIPEAK
2		249.595	11.849	21.449	33.298	-12.702	46.000	QUASIPEAK
3		374.663	14.546	13.329	27.875	-18.125	46.000	QUASIPEAK
4		499.730	17.175	13.481	30.656	-15.344	46.000	QUASIPEAK
5		624.798	17.610	9.442	27.052	-18.948	46.000	QUASIPEAK
6		820.640	19.267	13.820	33.087	-12.913	46.000	QUASIPEAK

Note:

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

Above 1GHz Spurious

Site : CB1	**Time : 2015/10/04 - 06:30**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11b_2412MHz**

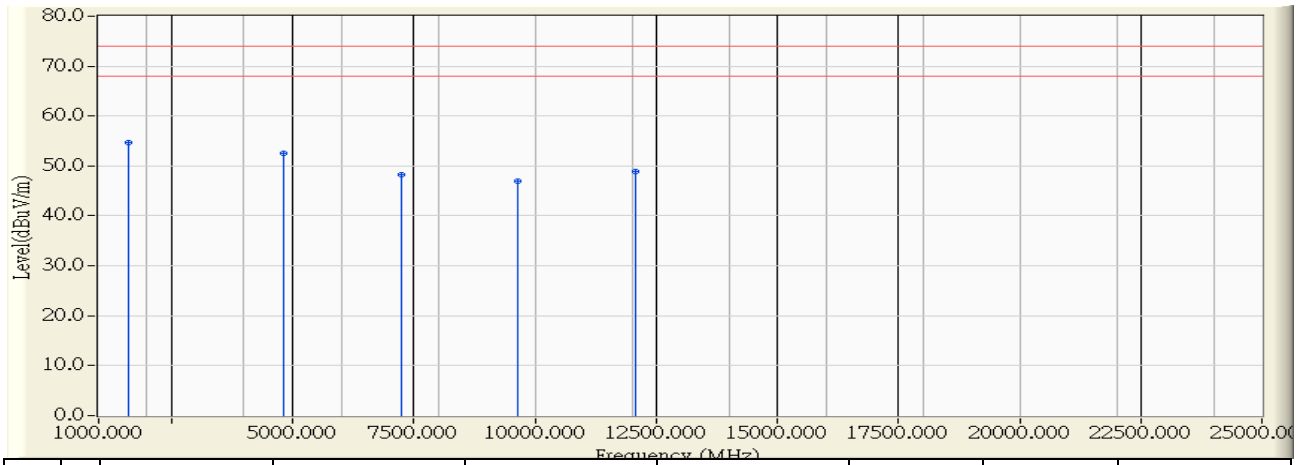


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1600.000	-9.652	58.651	49.000	-25.000	74.000	PEAK
2		4823.870	-2.560	49.310	46.750	-27.250	74.000	PEAK
3		7231.020	5.916	39.920	45.836	-28.164	74.000	PEAK
4		9653.350	7.688	39.340	47.028	-26.972	74.000	PEAK
5		12056.840	10.341	38.580	48.921	-25.079	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 18GHz were not included because their levels is far less than the limit.

Site : CB1	**Time : 2015/10/04 - 06:35**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11b_2412MHz**

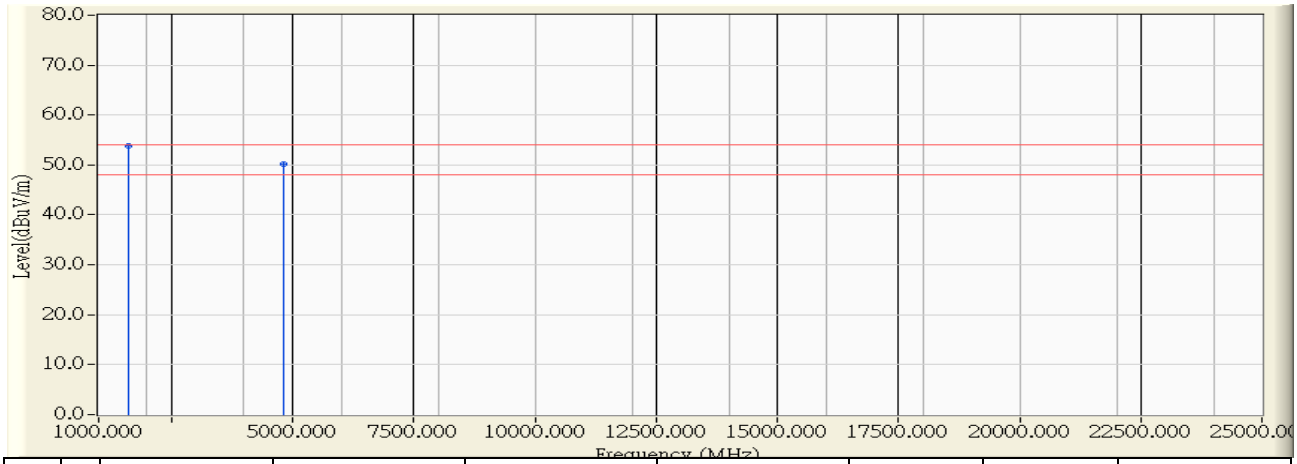


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1607.960	-9.274	64.020	54.746	-19.254	74.000	PEAK
2		4823.970	-1.663	54.230	52.568	-21.432	74.000	PEAK
3		7235.740	5.424	42.790	48.215	-25.785	74.000	PEAK
4		9652.120	7.178	39.840	47.017	-26.983	74.000	PEAK
5		12069.550	9.912	38.950	48.862	-25.138	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 18GHz were not included because their levels is far less than the limit.

Site : CB1	**Time : 2015/10/04 - 06:40**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11b_2412MHz**

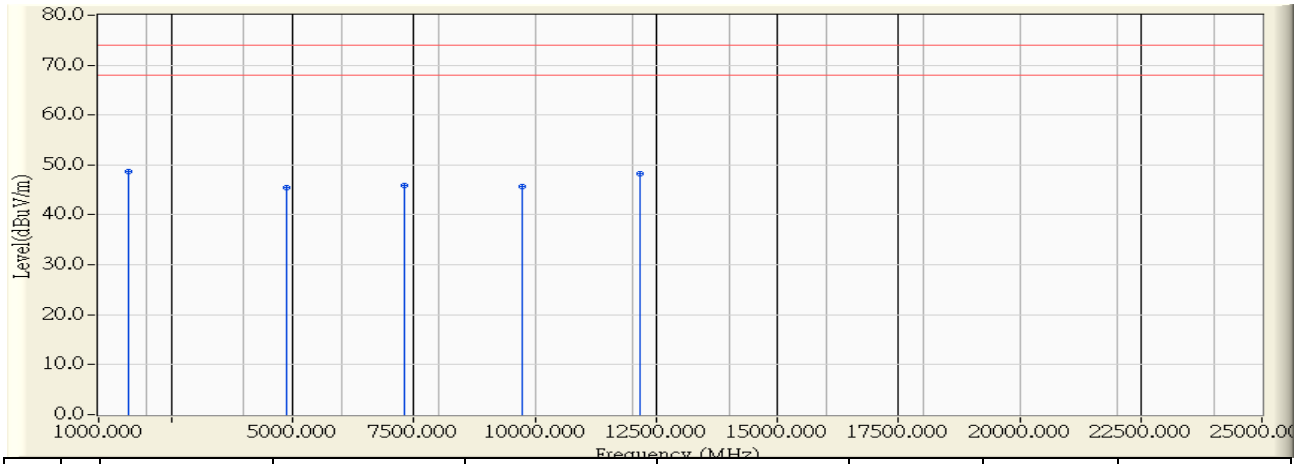


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1608.040	-9.275	63.010	53.736	-0.264	54.000	AVERAGE
2		4823.970	-1.663	51.870	50.208	-3.792	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 18GHz were not included because their levels is far less than the limit.

Site : CB1	**Time : 2015/10/04 - 06:45**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11b_2437MHz**

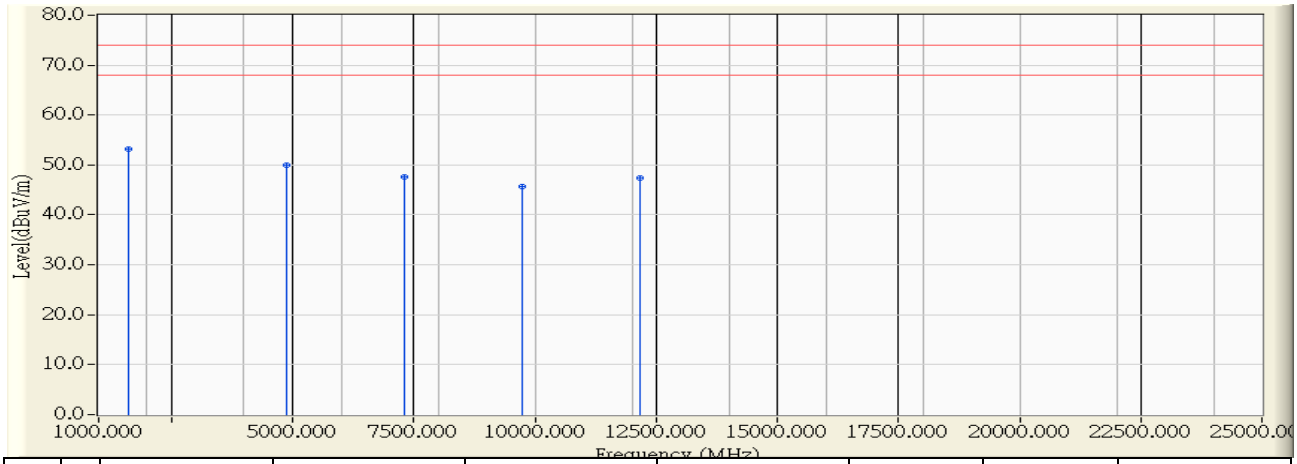


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1624.660	-9.645	58.230	48.585	-25.415	74.000	PEAK
2		4873.900	-2.425	47.960	45.534	-28.466	74.000	PEAK
3		7310.940	6.073	39.870	45.943	-28.057	74.000	PEAK
4		9740.180	8.158	37.430	45.588	-28.412	74.000	PEAK
5		12175.620	10.199	38.010	48.209	-25.791	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 18GHz were not included because their levels is far less than the limit.

Site : CB1	**Time : 2015/10/04 - 06:51**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11b_2437MHz**

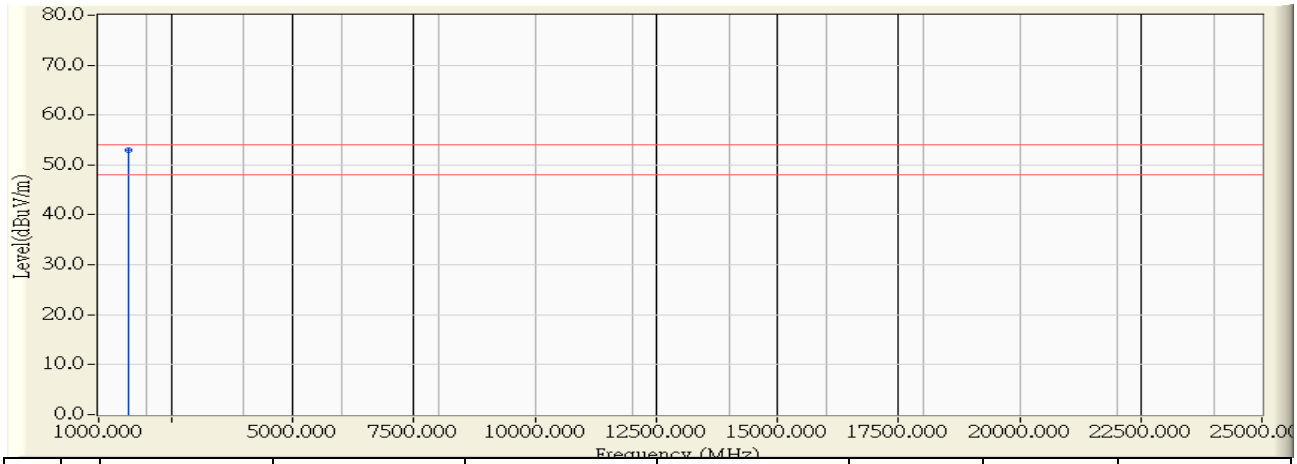


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1624.630	-9.286	62.420	53.133	-20.867	74.000	PEAK
2		4873.910	-1.653	51.680	50.027	-23.973	74.000	PEAK
3		7311.010	5.573	42.130	47.704	-26.296	74.000	PEAK
4		9746.150	7.545	38.240	45.786	-28.214	74.000	PEAK
5		12179.280	9.891	37.450	47.341	-26.659	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 18GHz were not included because their levels is far less than the limit.

Site : CB1	**Time : 2015/10/04 – 06:54**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11b_2437MHz**

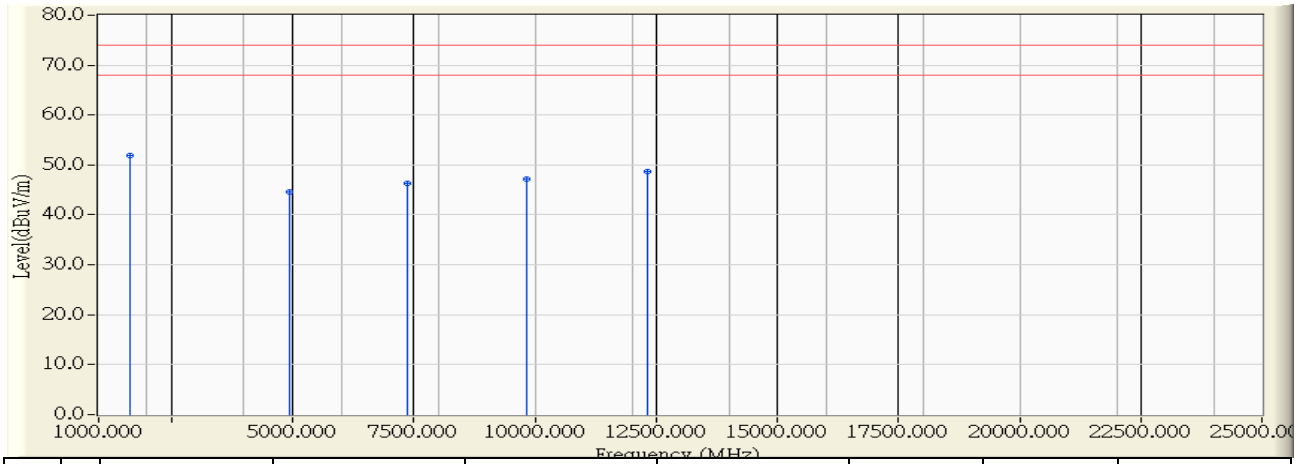


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1624.690	-9.287	62.350	53.063	-0.937	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 18GHz were not included because their levels is far less than the limit.

Site : CB1	**Time : 2015/10/04 - 07:00**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11b_2462MHz**

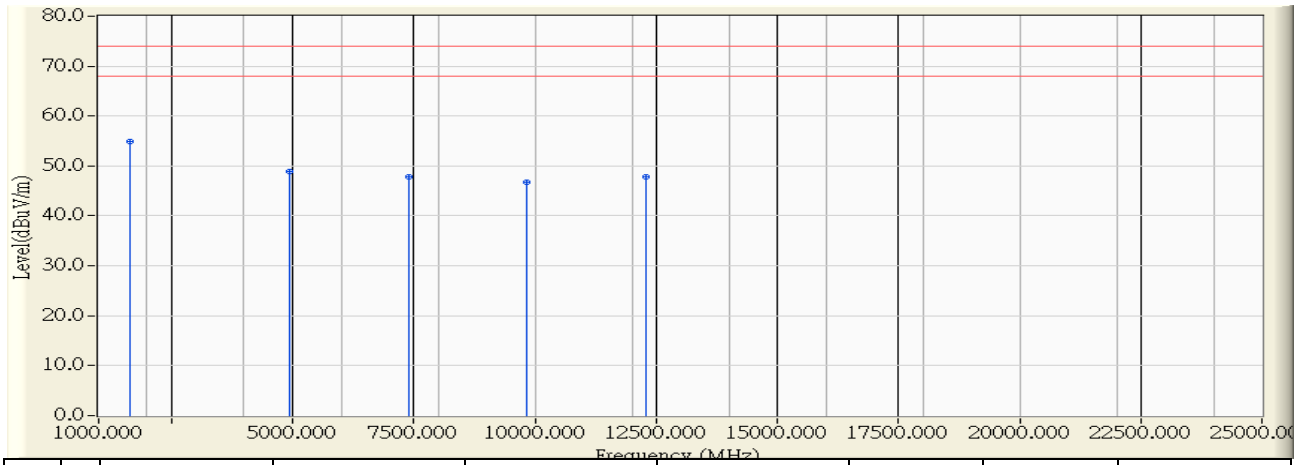


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1641.290	-9.641	61.520	51.879	-22.121	74.000	PEAK
2		4923.990	-2.291	47.000	44.709	-29.291	74.000	PEAK
3		7379.260	6.209	40.170	46.378	-27.622	74.000	PEAK
4		9844.930	8.726	38.470	47.195	-26.805	74.000	PEAK
5		12308.100	10.041	38.740	48.781	-25.219	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 18GHz were not included because their levels is far less than the limit.

Site : CB1	**Time : 2015/10/04 - 07:05**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11b_2462MHz**

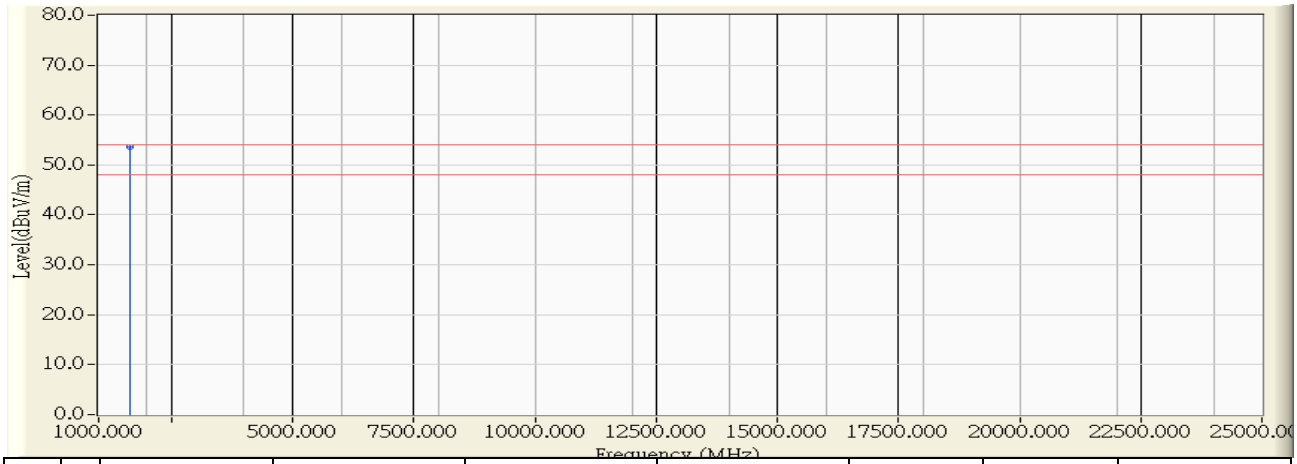


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1641.200	-9.299	64.160	54.861	-19.139	74.000	PEAK
2		4923.950	-1.644	50.610	48.966	-25.034	74.000	PEAK
3		7385.650	5.720	42.110	47.830	-6.170	54.000	PEAK
4		9843.750	7.928	38.890	46.818	-7.182	54.000	PEAK
5	*	12305.180	9.867	38.020	47.887	-6.113	54.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 18GHz were not included because their levels is far less than the limit.

Site : CB1	**Time : 2015/10/04 - 07:10**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11b_2462MHz**

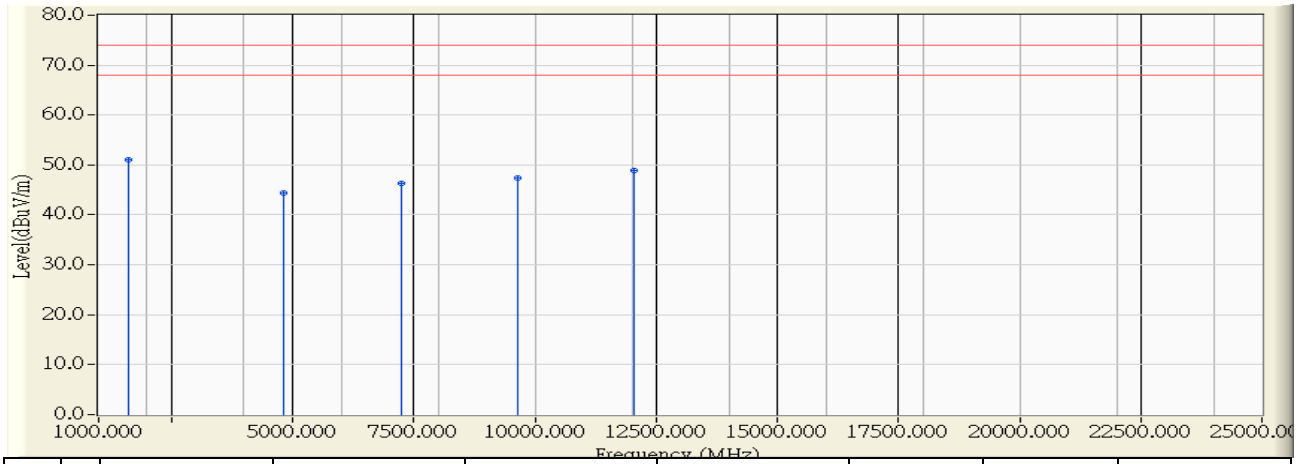


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1641.370	-9.300	63.000	53.701	-0.299	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 18GHz were not included because their levels is far less than the limit.

Site : CB1	**Time : 2015/10/04 - 07:15**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11g_2412MHz**

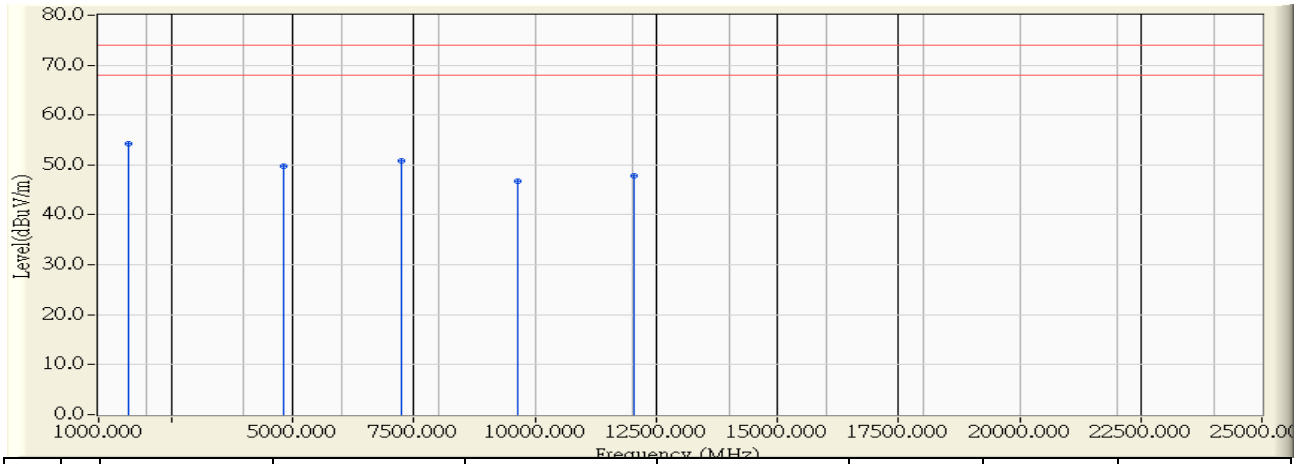


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1604.000	-9.650	60.650	51.000	-23.000	74.000	PEAK
2		4825.860	-2.554	46.900	44.346	-29.654	74.000	PEAK
3		7240.030	5.934	40.430	46.364	-27.636	74.000	PEAK
4		9657.110	7.709	39.690	47.398	-26.602	74.000	PEAK
5		12059.420	10.338	38.460	48.798	-25.202	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 18GHz were not included because their levels is far less than the limit.

Site : CB1	**Time : 2015/10/04 - 07:20**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11g_2412MHz**

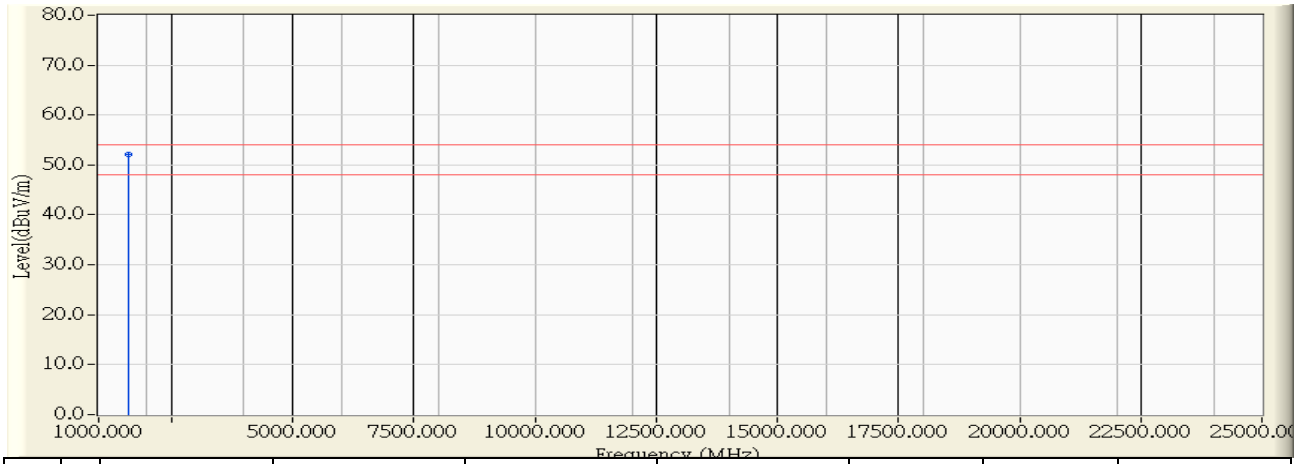


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1607.990	-9.274	63.520	54.246	-19.754	74.000	PEAK
2		4823.420	-1.662	51.370	49.708	-24.292	74.000	PEAK
3		7237.740	5.429	45.400	50.829	-23.171	74.000	PEAK
4		9640.010	7.130	39.630	46.760	-7.240	54.000	PEAK
5	*	12054.480	9.915	38.020	47.935	-6.065	54.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 18GHz were not included because their levels is far less than the limit.

Site : CB1	**Time : 2015/10/04 - 07:25**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11g_2412MHz**

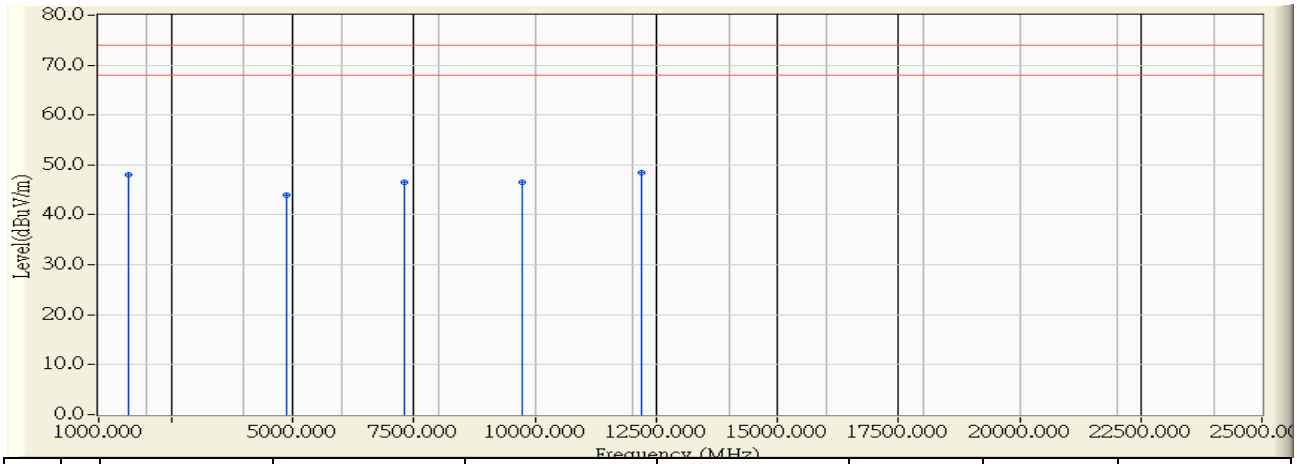


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1607.000	-9.273	61.420	52.147	-1.853	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 18GHz were not included because their levels is far less than the limit.

Site : CB1	**Time : 2015/10/04 - 07:31**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11g_2437MHz**

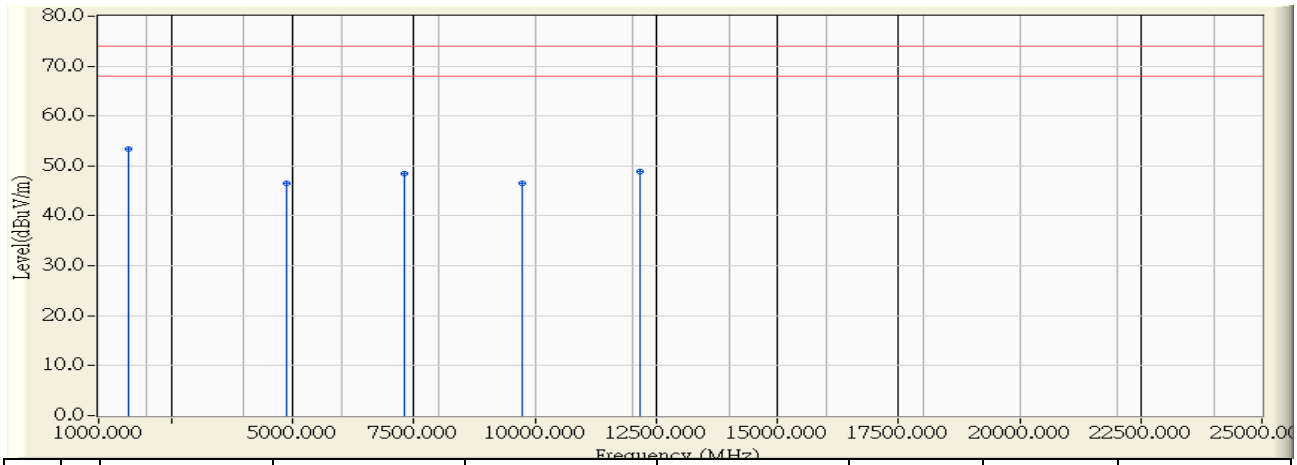


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1624.660	-9.645	57.680	48.035	-25.965	74.000	PEAK
2		4875.490	-2.422	46.320	43.899	-30.101	74.000	PEAK
3		7303.100	6.058	40.580	46.638	-27.362	74.000	PEAK
4		9738.090	8.146	38.400	46.547	-27.453	74.000	PEAK
5	*	12193.110	10.179	38.390	48.569	-25.431	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 18GHz were not included because their levels is far less than the limit.

Site : CB1	**Time : 2015/10/04 - 07:36**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11g_2437MHz**

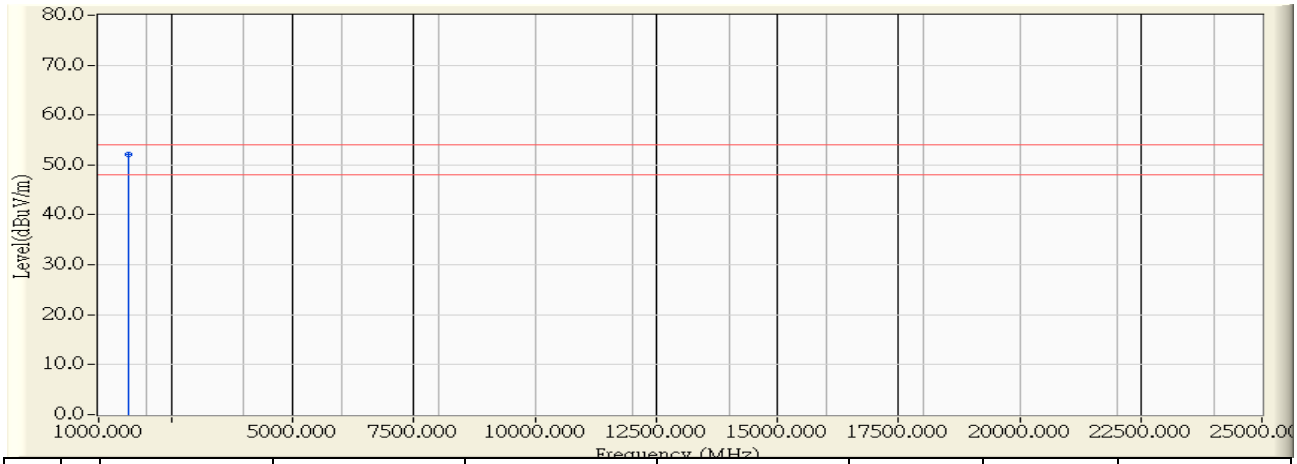


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1624.680	-9.287	62.680	53.393	-20.607	74.000	PEAK
2		4875.650	-1.652	48.160	46.507	-27.493	74.000	PEAK
3		7313.070	5.577	42.850	48.428	-25.572	74.000	PEAK
4		9740.180	7.522	38.930	46.452	-27.548	74.000	PEAK
5		12175.570	9.892	38.910	48.802	-25.198	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 18GHz were not included because their levels is far less than the limit.

Site : CB1	**Time : 2015/10/04 - 07:46**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11g_2437MHz**

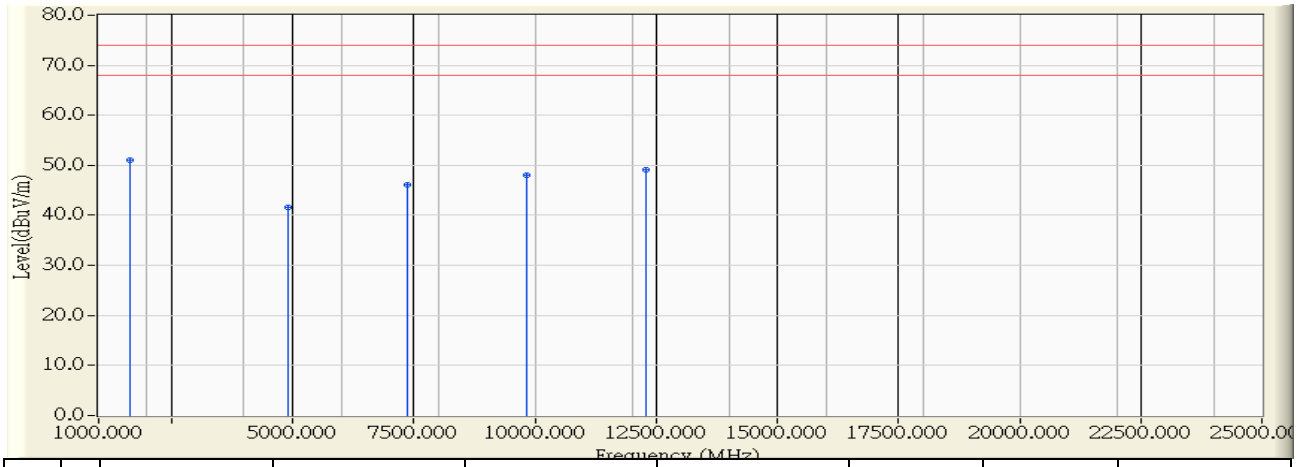


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1624.690	-9.287	61.460	52.173	-1.827	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 18GHz were not included because their levels is far less than the limit.

Engineer :	
Site : CB1	**Time : 2015/10/04 - 07:50**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11g_2462MHz**

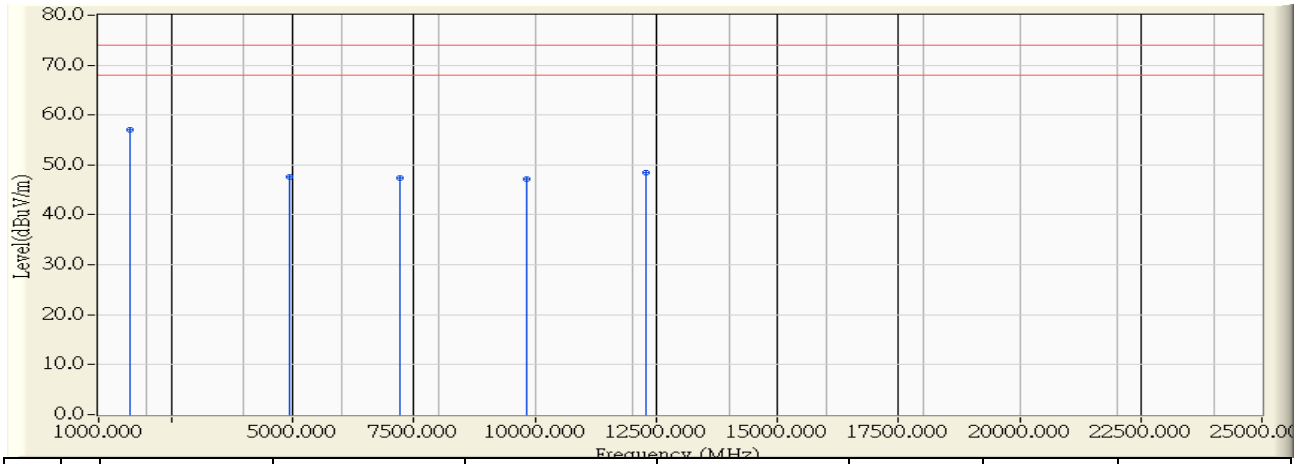


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1642.000	-9.641	60.641	51.000	-23.000	74.000	PEAK
2		4920.150	-2.302	43.810	41.508	-32.492	74.000	PEAK
3		7378.970	6.208	39.980	46.187	-27.813	74.000	PEAK
4		9845.110	8.727	39.230	47.956	-26.044	74.000	PEAK
5		12302.380	10.049	38.980	49.028	-24.972	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 18GHz were not included because their levels is far less than the limit.

Site : CB1	**Time : 2015/10/04 - 07:54**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11g_2462MHz**

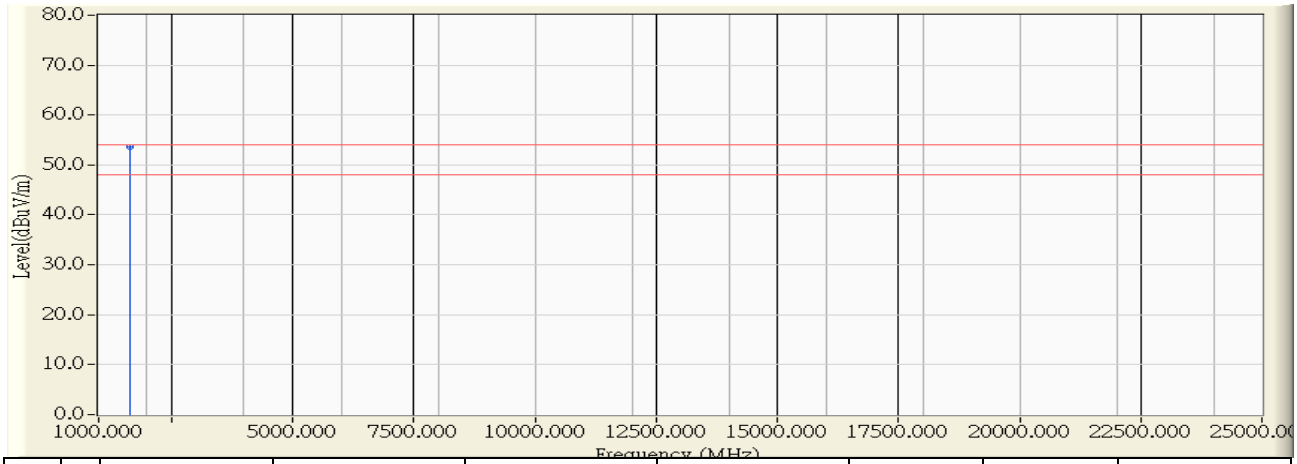


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1641.000	-9.299	66.440	57.141	-16.859	74.000	PEAK
2		4923.800	-1.644	49.224	47.580	-26.420	74.000	PEAK
3		7201.280	5.358	42.040	47.398	-26.602	74.000	PEAK
4		9845.500	7.935	39.300	47.235	-26.765	74.000	PEAK
5		12298.900	9.869	38.540	48.408	-25.592	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 18GHz were not included because their levels is far less than the limit.

Site : CB1	**Time : 2015/10/04 - 08:00**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11g_2462MHz**

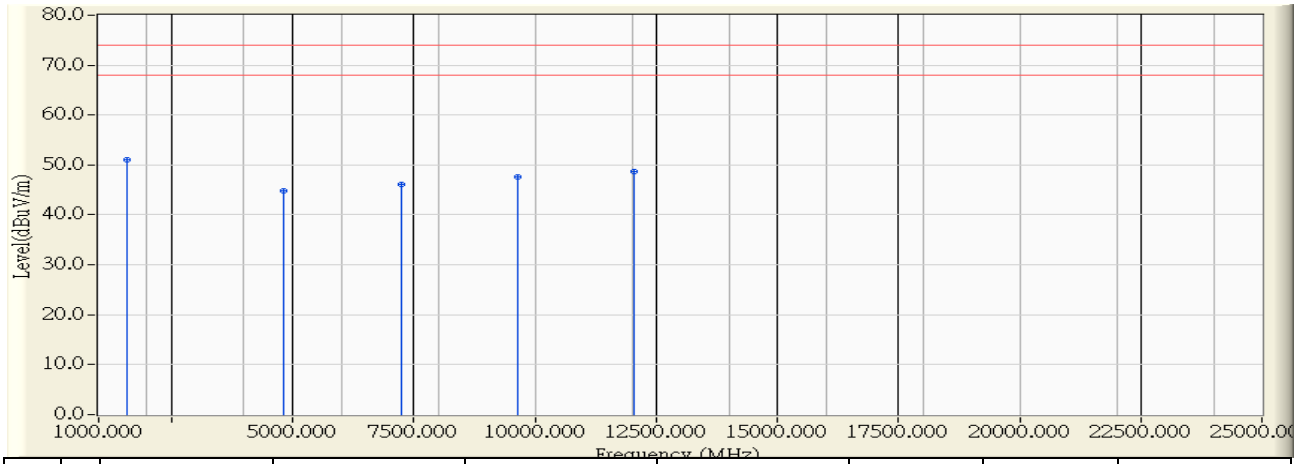


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1641.000	-9.299	63.010	53.711	-0.289	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 18GHz were not included because their levels is far less than the limit.

Site : CB1	**Time : 2015/10/04 - 08:05**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(20M)_2412MHz**

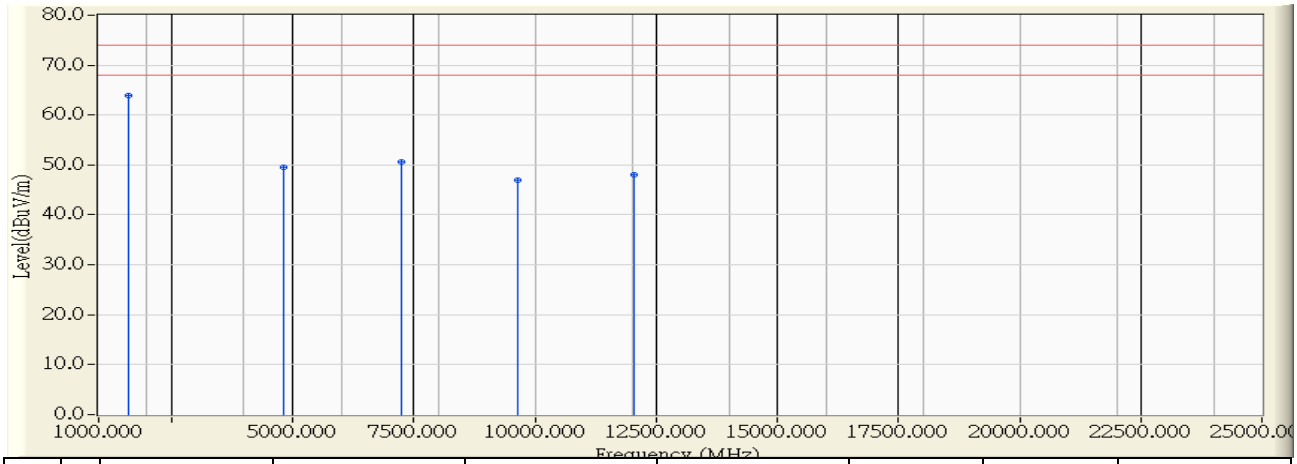


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1600.000	-9.652	60.651	51.000	-23.000	74.000	PEAK
2		4821.720	-2.565	47.490	44.924	-29.076	74.000	PEAK
3		7234.370	5.923	40.280	46.203	-27.797	74.000	PEAK
4		9638.720	7.608	40.000	47.608	-26.392	74.000	PEAK
5		12056.560	10.341	38.300	48.641	-25.359	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 18GHz were not included because their levels is far less than the limit.

Site : CB1	**Time : 2015/10/04 - 08:10**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(20M)_2412MHz**

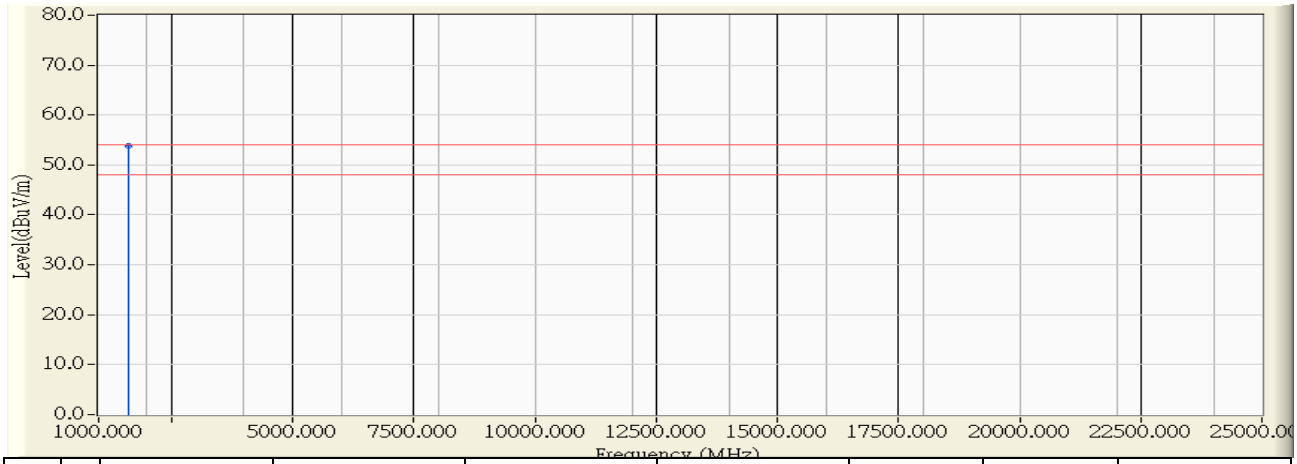


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1603.000	-9.271	73.271	64.000	-10.000	74.000	PEAK
2		4826.200	-1.661	51.100	49.438	-24.562	74.000	PEAK
3		7233.270	5.421	45.300	50.721	-23.279	74.000	PEAK
4		9657.820	7.200	39.700	46.900	-27.100	74.000	PEAK
5		12054.060	9.915	38.050	47.965	-26.035	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 18GHz were not included because their levels is far less than the limit.

Site : CB1	**Time : 2015/10/04 – 08:15**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(20M)_2412MHz**

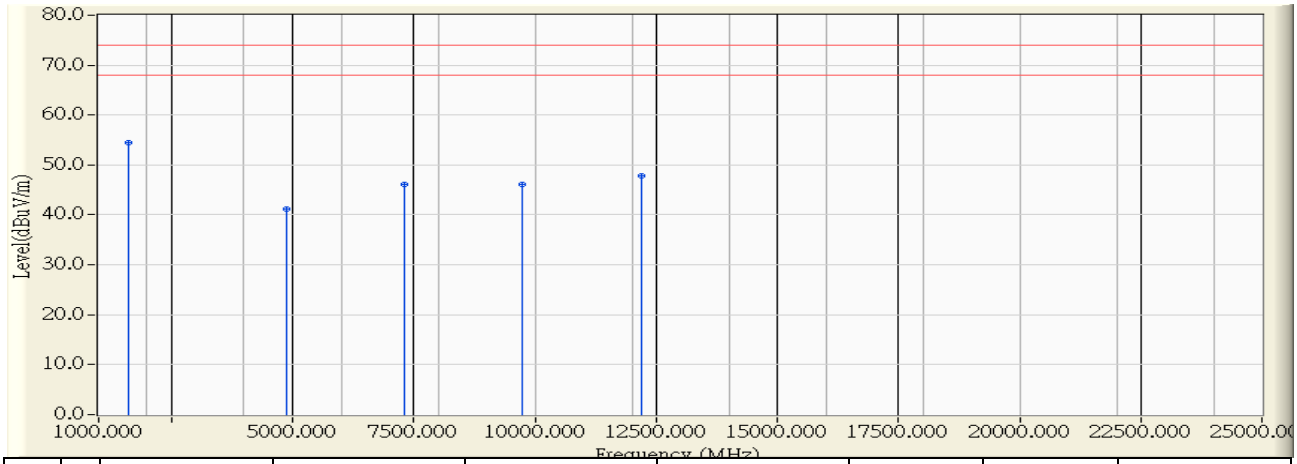


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1608.040	-9.275	63.030	53.756	-0.244	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 18GHz were not included because their levels is far less than the limit.

Site : CB1	**Time : 2015/10/04 - 08:20**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(20M)_2437MHz**

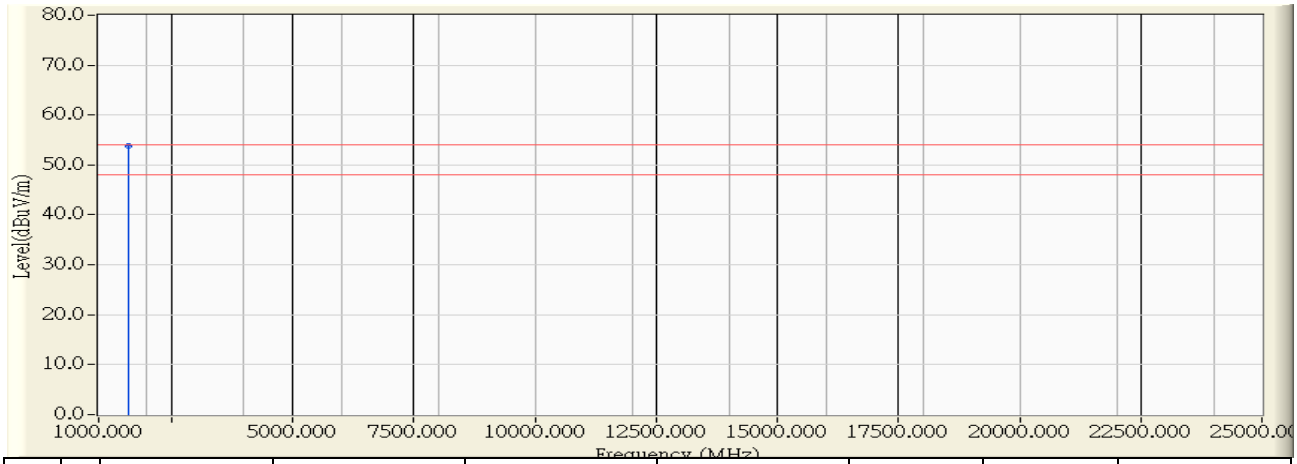


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1624.660	-9.645	64.130	54.485	-19.515	74.000	PEAK
2		4875.490	-2.422	43.550	41.129	-32.871	74.000	PEAK
3		7320.900	6.093	40.080	46.173	-27.827	74.000	PEAK
4		9745.750	8.188	37.830	46.018	-27.982	74.000	PEAK
5		12187.020	10.185	37.650	47.836	-26.164	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 18GHz were not included because their levels is far less than the limit.

Site : CB1	**Time : 2015/10/04 - 08:25**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(20M)_2437MHz**

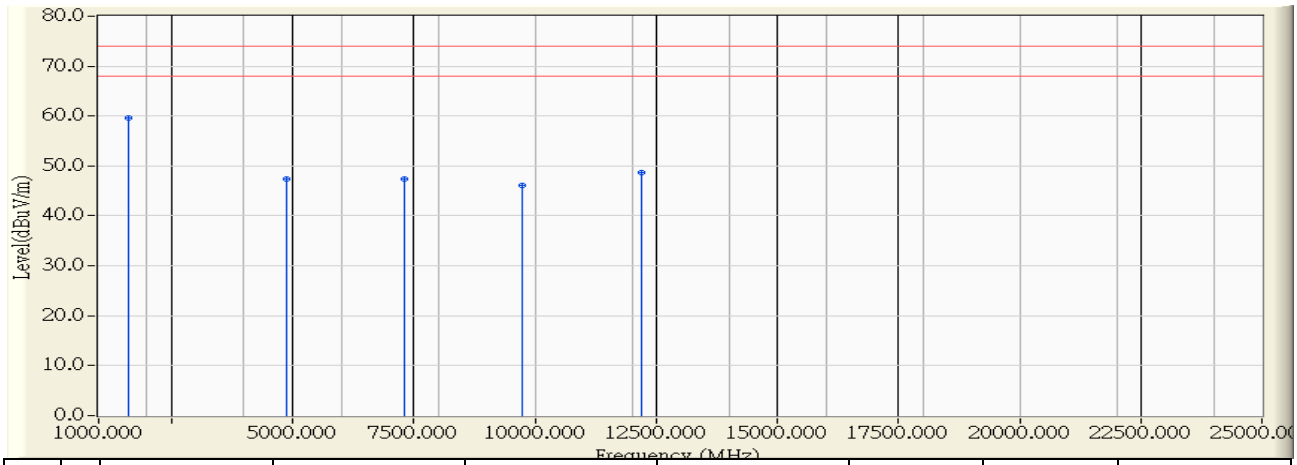


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1624.640	-9.645	63.440	53.795	-0.205	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 18GHz were not included because their levels is far less than the limit.

Site : CB1	**Time : 2015/10/04 - 08:40**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(20M)_2437MHz**

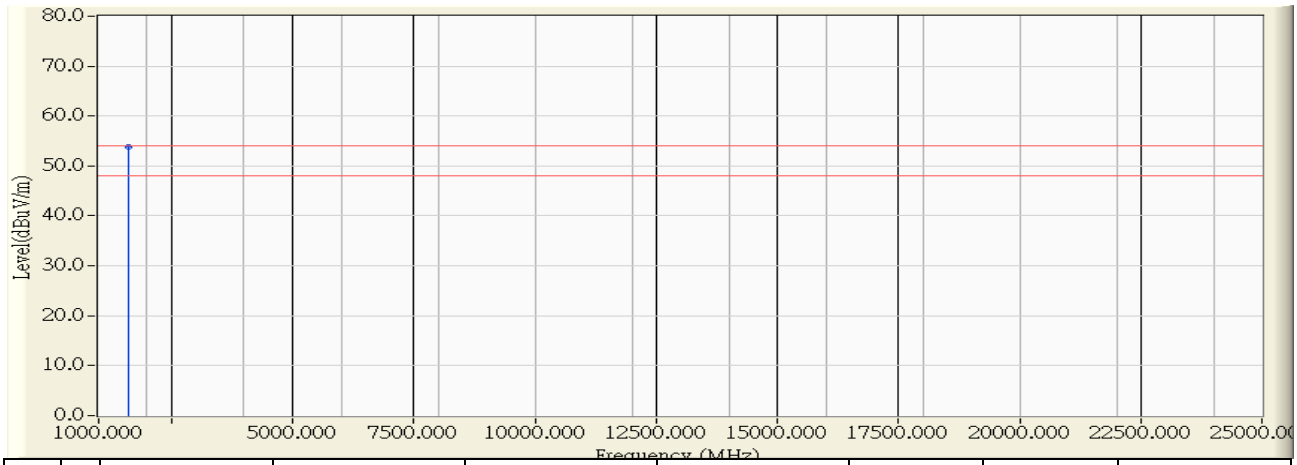


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1624.690	-9.287	68.810	59.523	-14.477	74.000	PEAK
2		4872.880	-1.653	49.090	47.437	-26.563	74.000	PEAK
3		7315.210	5.582	41.740	47.322	-26.678	74.000	PEAK
4		9748.560	7.554	38.480	46.035	-27.965	74.000	PEAK
5		12185.990	9.889	38.730	48.620	-25.380	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 18GHz were not included because their levels is far less than the limit.

Site : CB1	**Time : 2015/10/04 - 08:45**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(20M)_2437MHz**

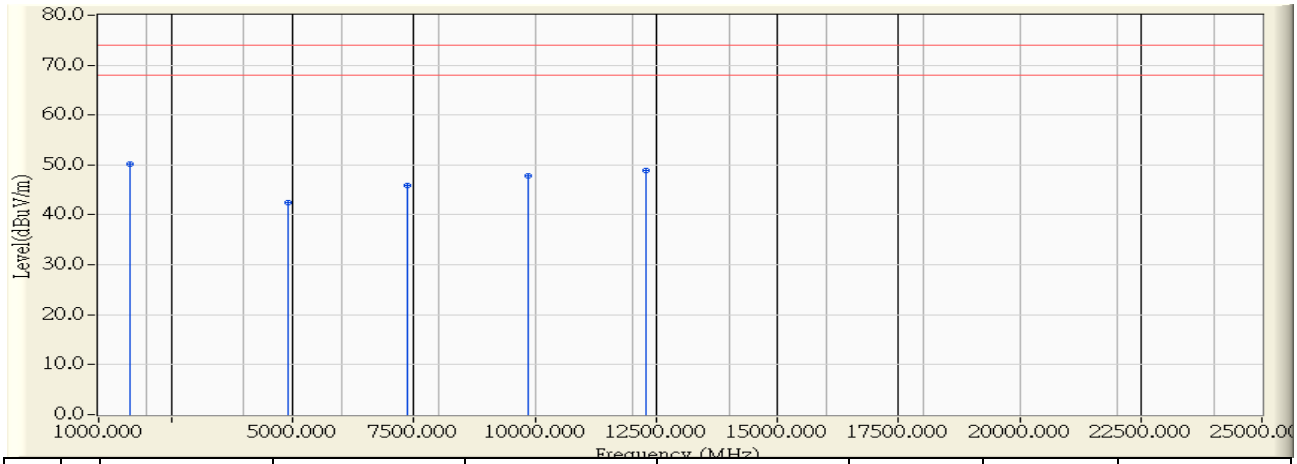


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1624.690	-9.287	63.070	53.783	-0.217	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 18GHz were not included because their levels is far less than the limit.

Site : CB1	**Time : 2015/10/04 - 08:50**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(20M)_2462MHz**

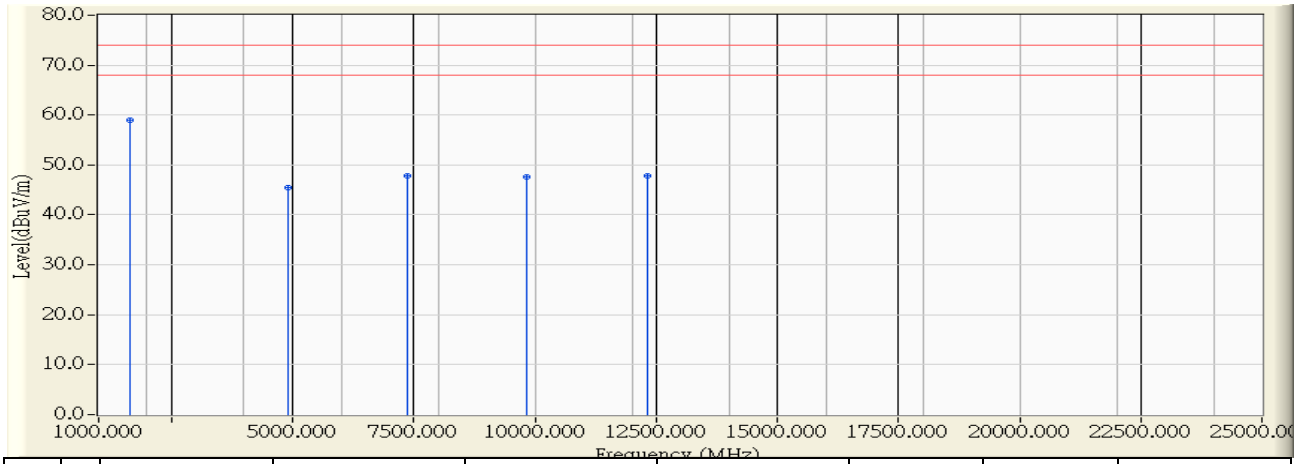


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1641.000	-9.641	59.761	50.120	-23.880	74.000	PEAK
2		4921.490	-2.298	44.720	42.422	-31.578	74.000	PEAK
3		7382.830	6.215	39.650	45.865	-28.135	74.000	PEAK
4		9846.250	8.732	39.200	47.932	-26.068	74.000	PEAK
5		12301.740	10.049	38.830	48.879	-25.121	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 18GHz were not included because their levels is far less than the limit.

Site : CB1	**Time : 2015/10/04 - 08:55**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(20M)_2462MHz**

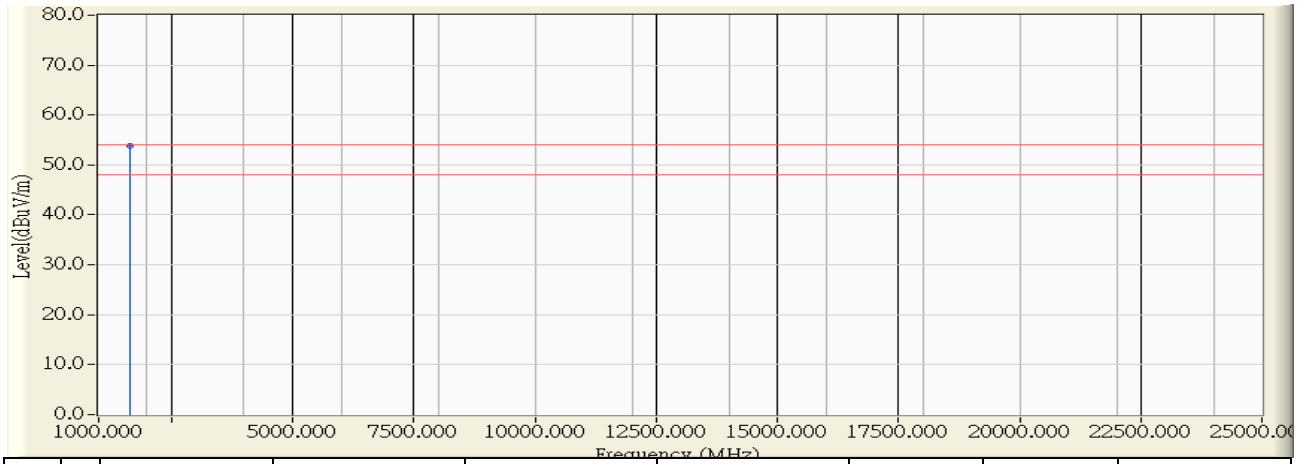


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1641.320	-9.299	68.299	59.000	-15.000	74.000	PEAK
2		4921.460	-1.644	47.090	45.446	-28.554	74.000	PEAK
3		7378.560	5.706	42.090	47.796	-26.204	74.000	PEAK
4		9836.200	7.898	39.820	47.718	-26.282	74.000	PEAK
5		12322.000	9.864	37.910	47.774	-26.226	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 18GHz were not included because their levels is far less than the limit.

Site : CB1	**Time : 2015/10/04 - 09:00**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(20M)_2462MHz**

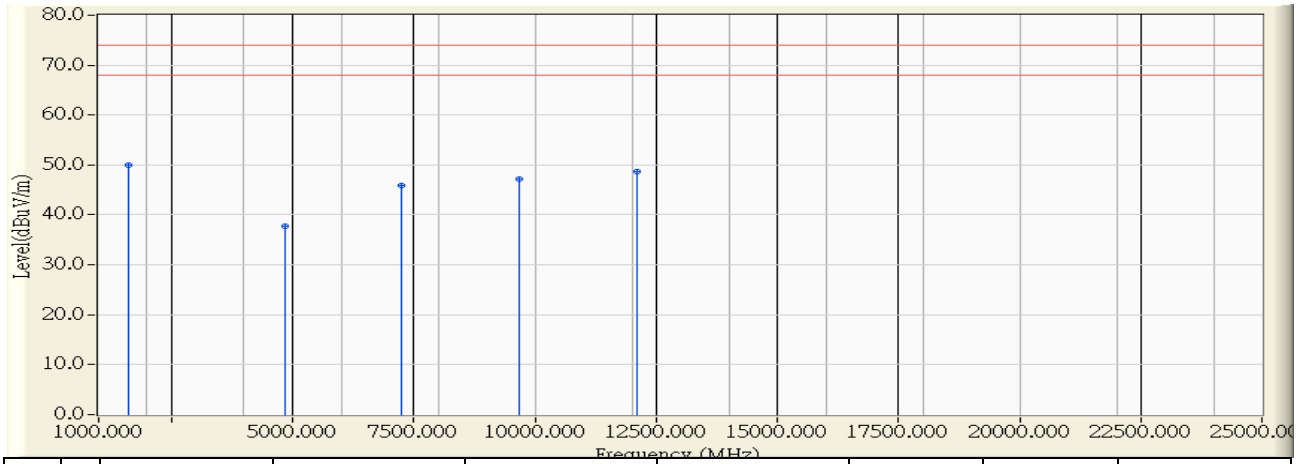


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1641.320	-9.299	63.090	53.791	-0.209	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 18GHz were not included because their levels is far less than the limit.

Site : CB1	**Time : 2015/10/04 - 09:05**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(40M)_2422MHz**

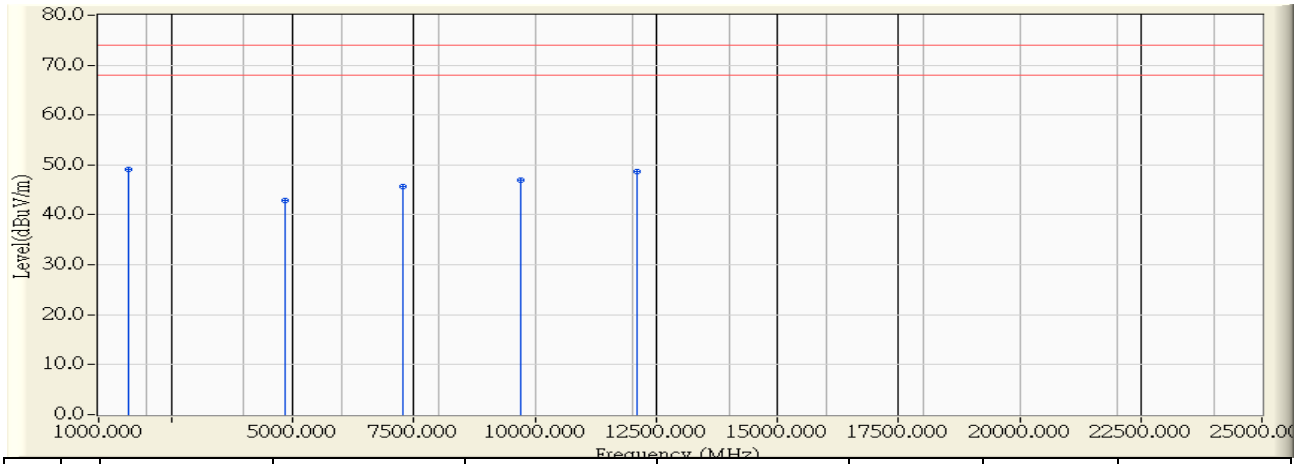


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1614.000	-9.647	59.648	50.000	-24.000	74.000	PEAK
2		4840.300	-2.516	40.320	37.804	-36.196	74.000	PEAK
3		7258.190	5.969	39.880	45.850	-28.150	74.000	PEAK
4		9691.080	7.891	39.300	47.192	-26.808	74.000	PEAK
5		12115.040	10.272	38.440	48.712	-25.288	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 18GHz were not included because their levels is far less than the limit.

Site : CB1	**Time : 2015/10/04 - 09:07**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(40M)_2422MHz**

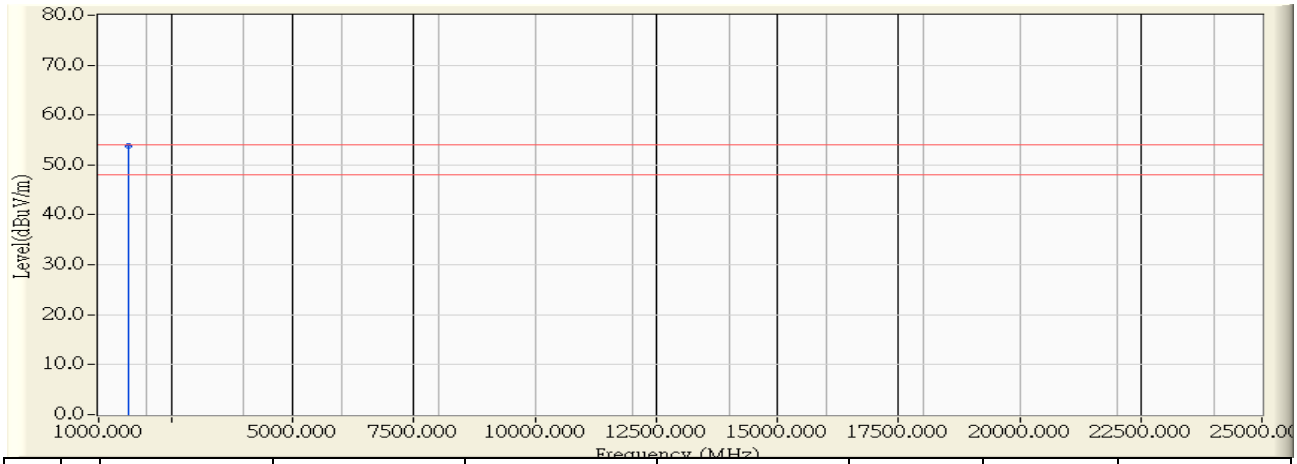


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1614.000	-9.278	58.500	49.221	-24.779	74.000	PEAK
2		4841.900	-1.658	44.560	42.901	-31.099	74.000	PEAK
3		7263.560	5.480	40.120	45.600	-28.400	74.000	PEAK
4		9701.700	7.370	39.700	47.071	-26.929	74.000	PEAK
5		12122.700	9.902	38.800	48.702	-25.298	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 18GHz were not included because their levels is far less than the limit.

Site : CB1	**Time : 2015/10/04 - 09:10**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(40M)_2422MHz**

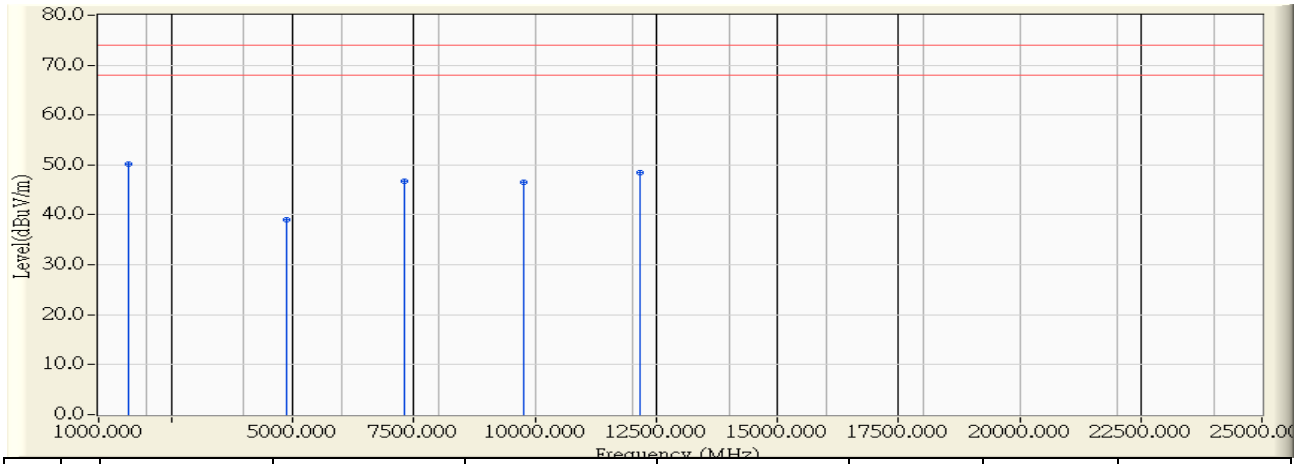


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1614.690	-9.280	63.040	53.761	-0.239	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 18GHz were not included because their levels is far less than the limit.

Site : CB1	**Time : 2015/10/04 - 09:15**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(40M)_2437MHz**

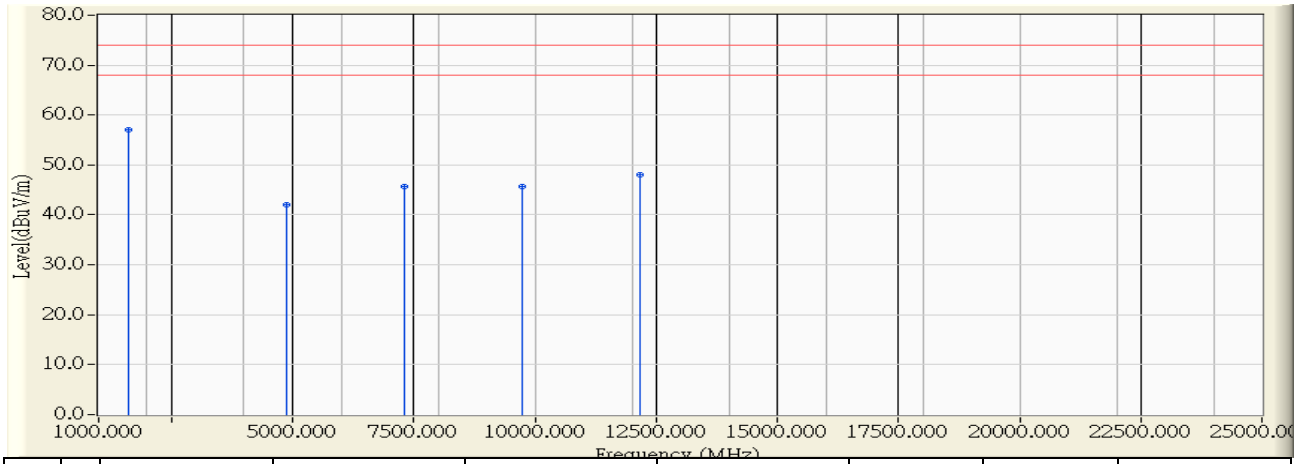


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1624.800	-9.645	59.880	50.235	-23.765	74.000	PEAK
2		4871.540	-2.432	41.370	38.938	-35.062	74.000	PEAK
3		7305.500	6.062	40.800	46.863	-27.137	74.000	PEAK
4		9757.220	8.250	38.250	46.500	-27.500	74.000	PEAK
5		12181.980	10.192	38.330	48.522	-25.478	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 18GHz were not included because their levels is far less than the limit.

Site : CB1	**Time : 2015/10/04 - 09:20**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(40M)_2437MHz**

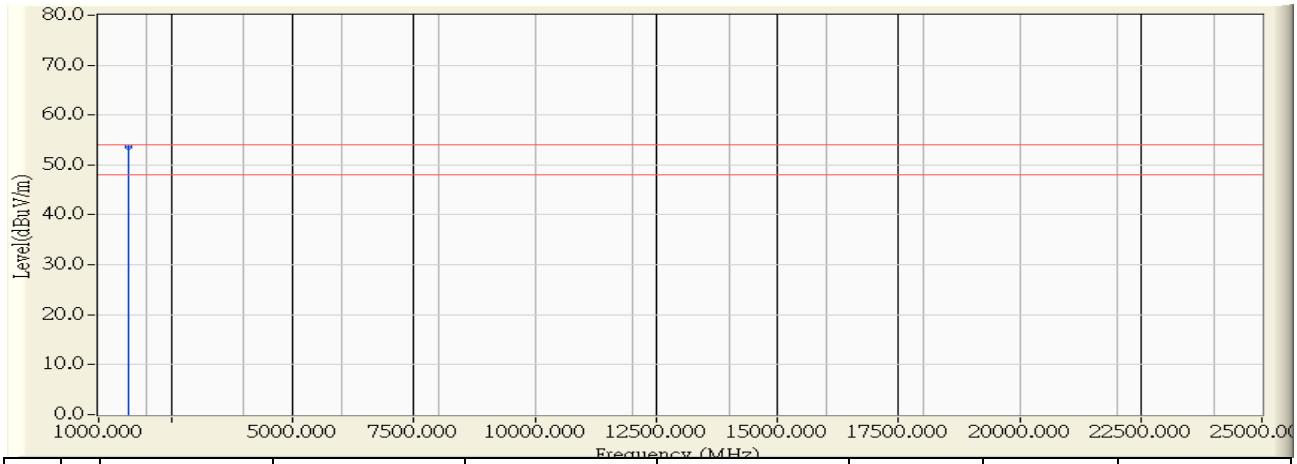


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1624.780	-9.287	66.320	57.033	-16.967	74.000	PEAK
2		4871.610	-1.653	43.590	41.937	-32.063	74.000	PEAK
3		7304.320	5.561	40.110	45.670	-28.330	74.000	PEAK
4		9742.610	7.532	38.070	45.602	-28.398	74.000	PEAK
5		12175.310	9.892	38.110	48.002	-25.998	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 18GHz were not included because their levels is far less than the limit.

Site : CB1	**Time : 2015/10/04 - 09:25**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(40M)_2437MHz**

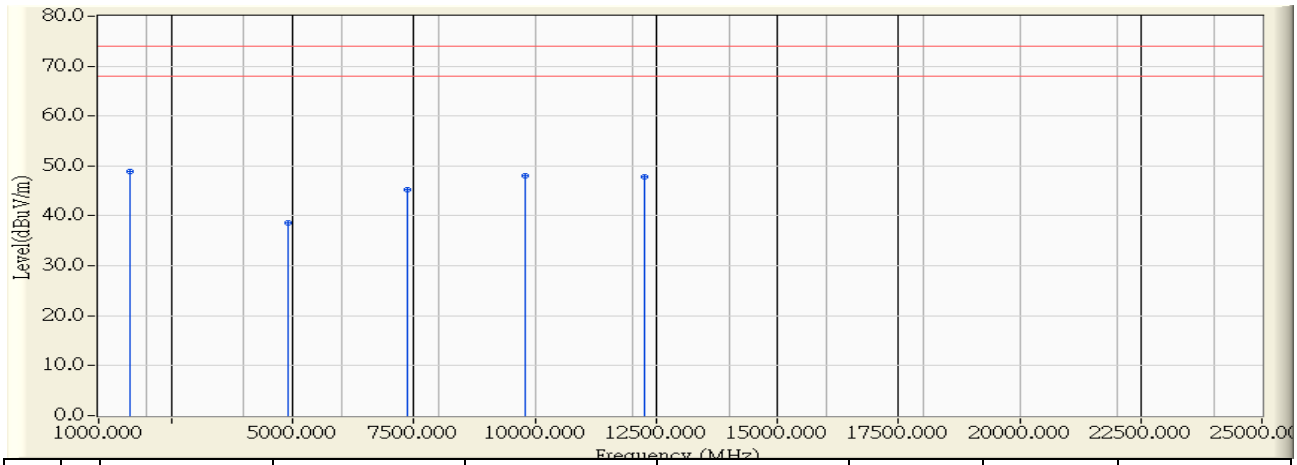


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1624.780	-9.287	63.010	53.723	-0.277	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 18GHz were not included because their levels is far less than the limit.

Site : CB1	**Time : 2015/10/04 - 09:30**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(40M)_2452MHz**

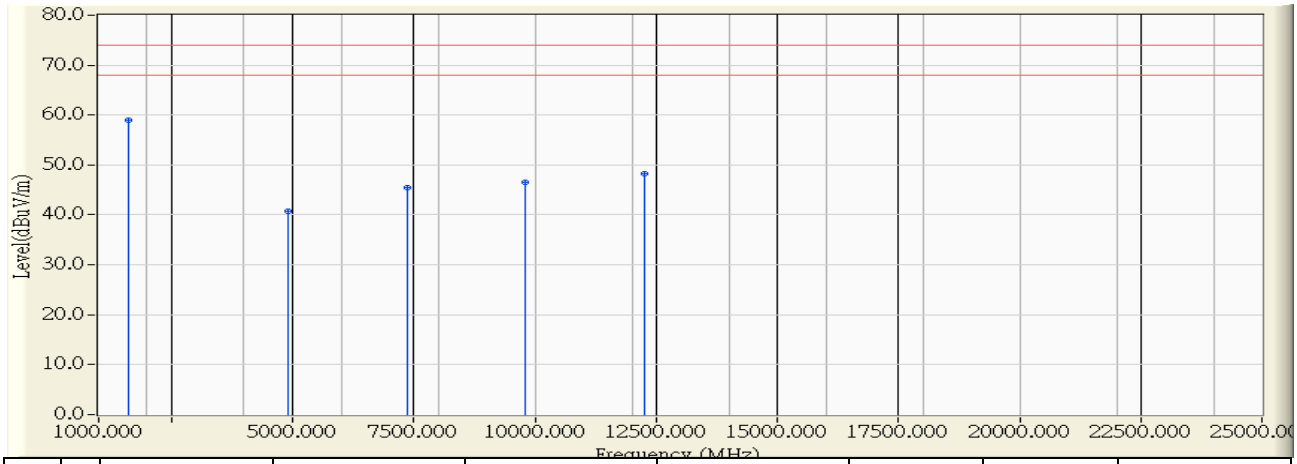


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1631.000	-9.643	58.643	49.000	-25.000	74.000	PEAK
2		4902.250	-2.349	40.870	38.520	-35.480	74.000	PEAK
3		7360.180	6.170	39.080	45.250	-28.750	74.000	PEAK
4		9809.790	8.535	39.563	48.098	-25.902	74.000	PEAK
5		12264.330	10.093	37.800	47.894	-26.106	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 18GHz were not included because their levels is far less than the limit.

Site : CB1	**Time : 2015/10/04 - 09:35**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(40M)_2452MHz**

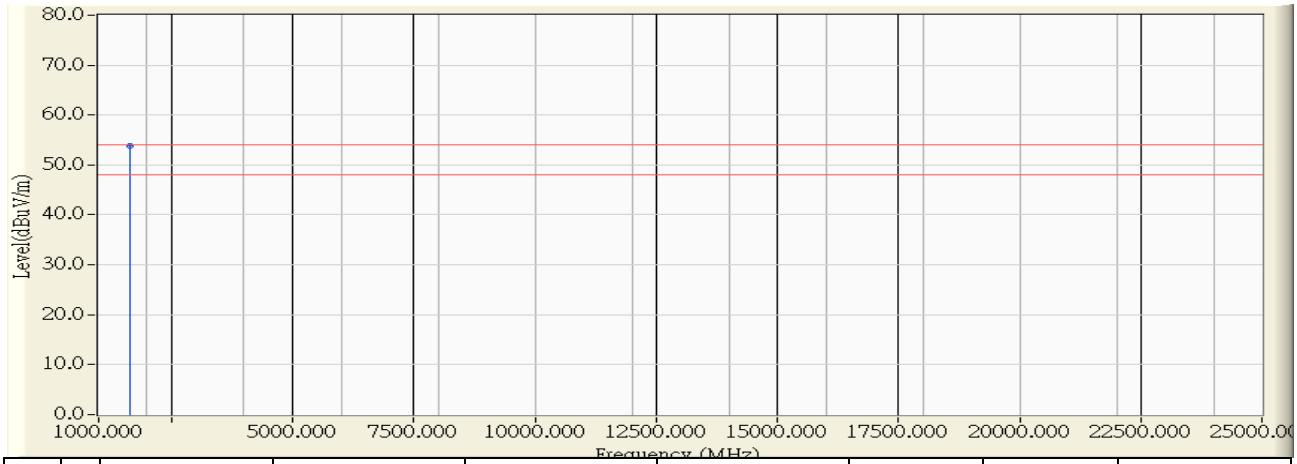


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1630.000	-9.291	68.291	59.000	-15.000	74.000	PEAK
2		4901.720	-1.647	42.330	40.682	-33.318	74.000	PEAK
3		7371.520	5.692	39.840	45.533	-28.467	74.000	PEAK
4		9808.720	7.790	38.690	46.481	-27.519	74.000	PEAK
5		12253.720	9.877	38.440	48.317	-25.683	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 18GHz were not included because their levels is far less than the limit.

Site : CB1	**Time : 2015/10/04 - 09:45**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(40M)_2452MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1631.330	-9.291	63.092	53.800	-0.200	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 18GHz were not included because their levels is far less than the limit.

5. RF antenna conducted test

5.1. Test Equipment

The following test equipments are used during the test:

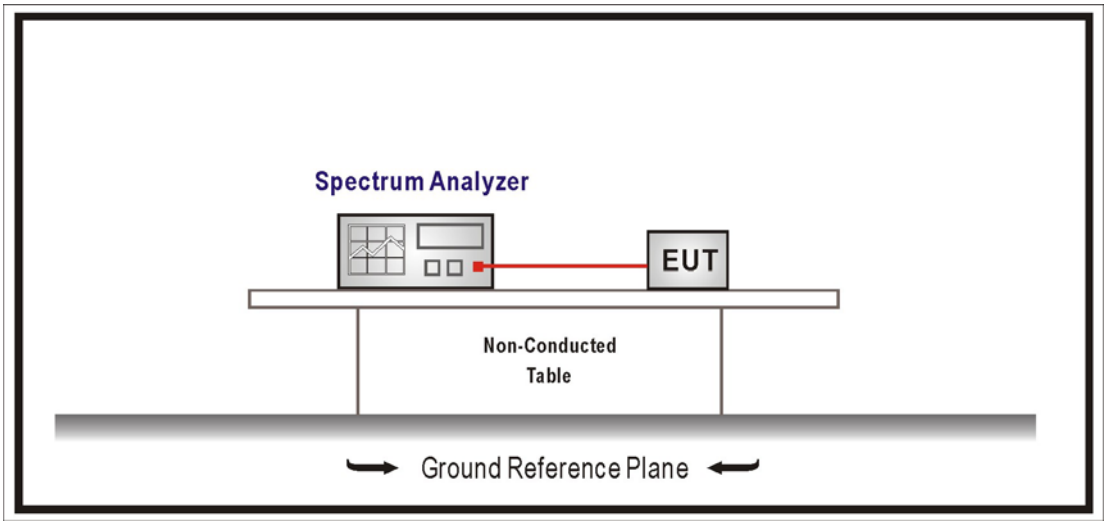
RF antenna conducted test / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2016/07/13

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

5.2. Test Setup

RF Antenna Conducted Measurement:



5.3. Limits

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

5.4. Test Procedure

The EUT was setup according to ANSI C63.10:2013 and tested according to DTS test procedure section 11.2 of KDB558074 v03r02 for compliance to FCC 47CFR 15.247 requirements. Set RBW = 100 kHz, Set VBW> RBW, scan up through 10th harmonic.

5.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2014

5.6. Uncertainty

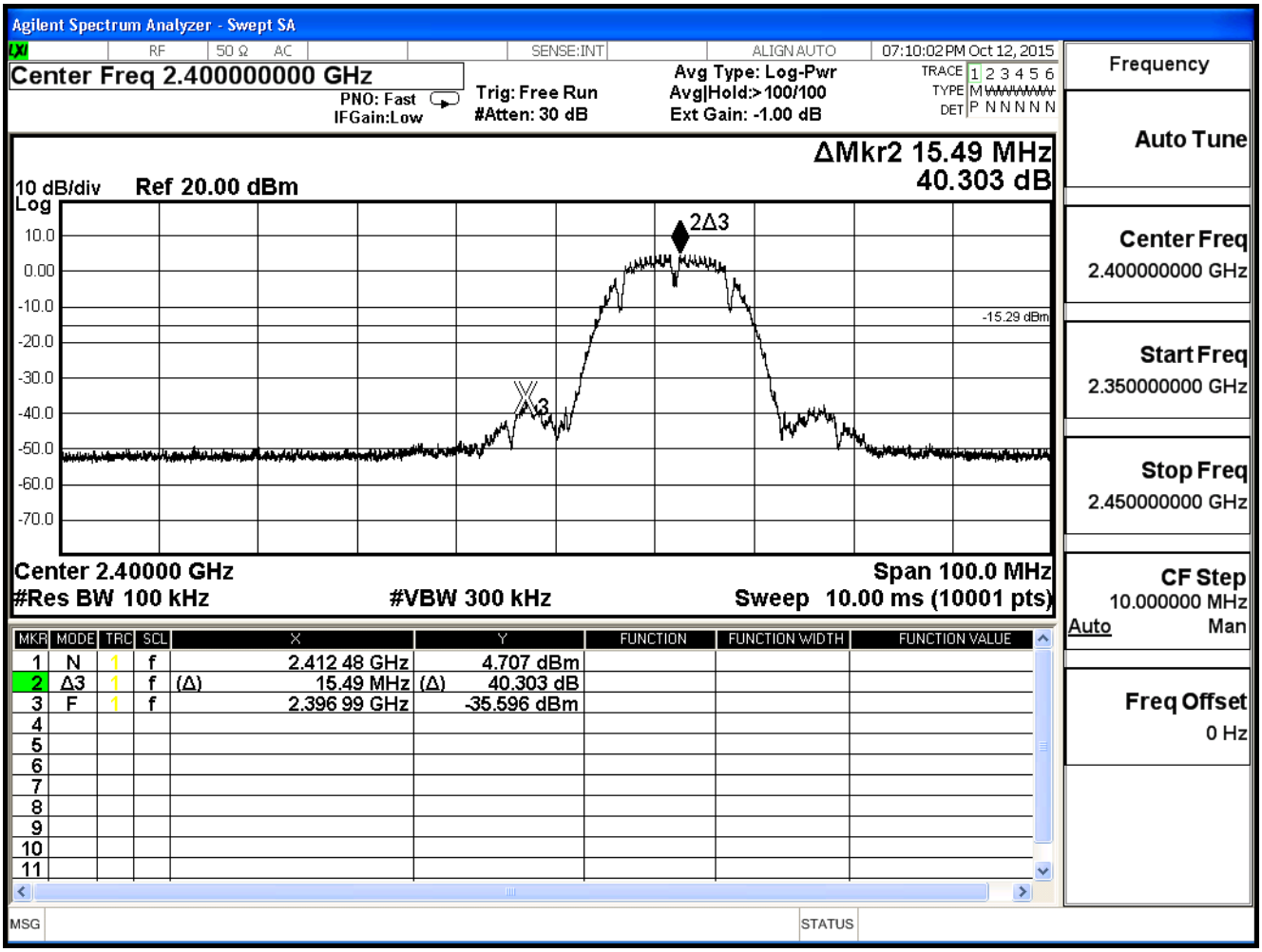
Conducted is defined as ± 1.27dB

5.7. Test Result

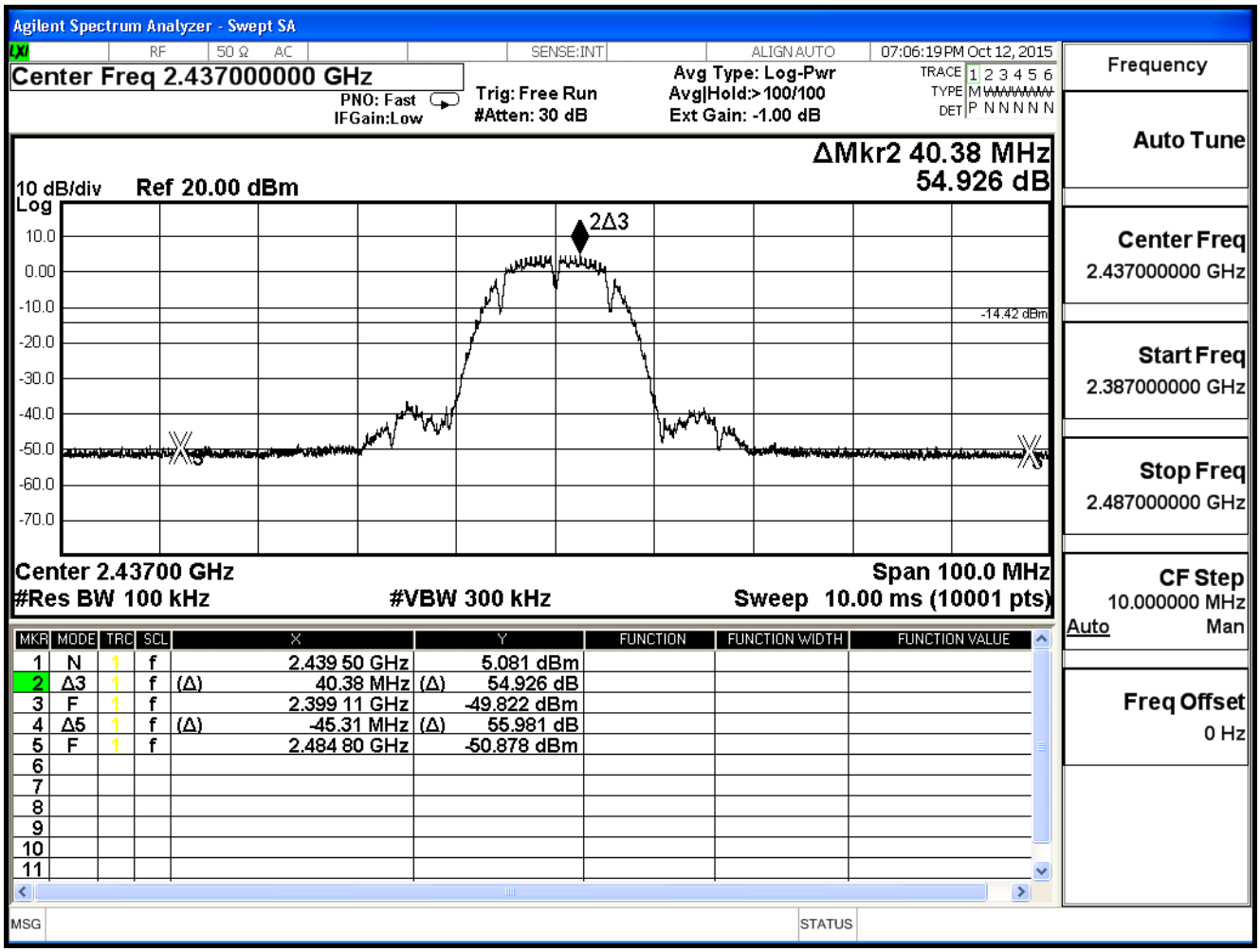
Product	Mesh WiFi AP		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2015/10/12	Test Site	SR7

IEEE 802.11b (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	40.303	≧20	Pass
6	2437	54.926	≧20	Pass
11	2462	53.019	≧20	Pass

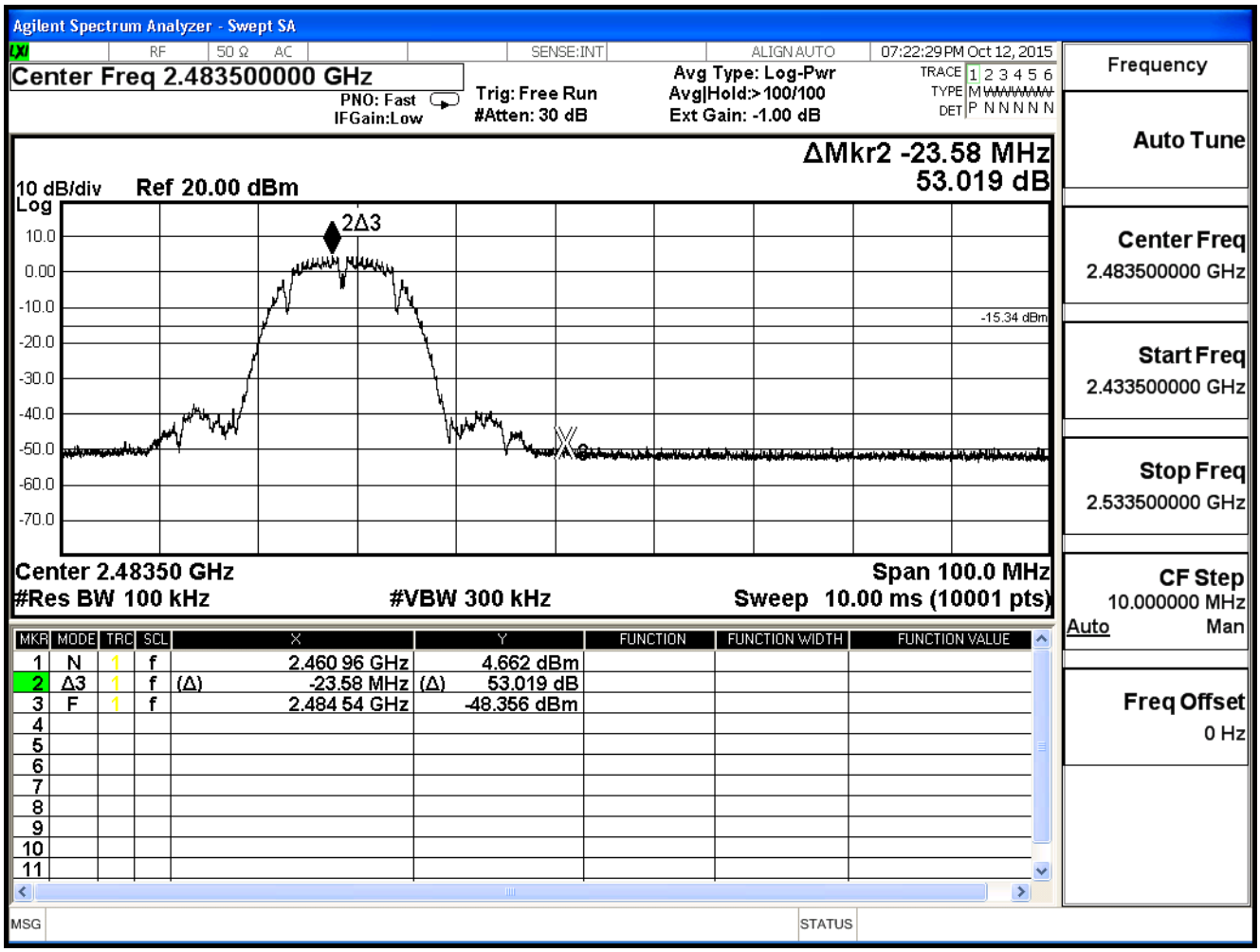
Channel 1 (2412MHz)



Channel 6 (2437MHz)



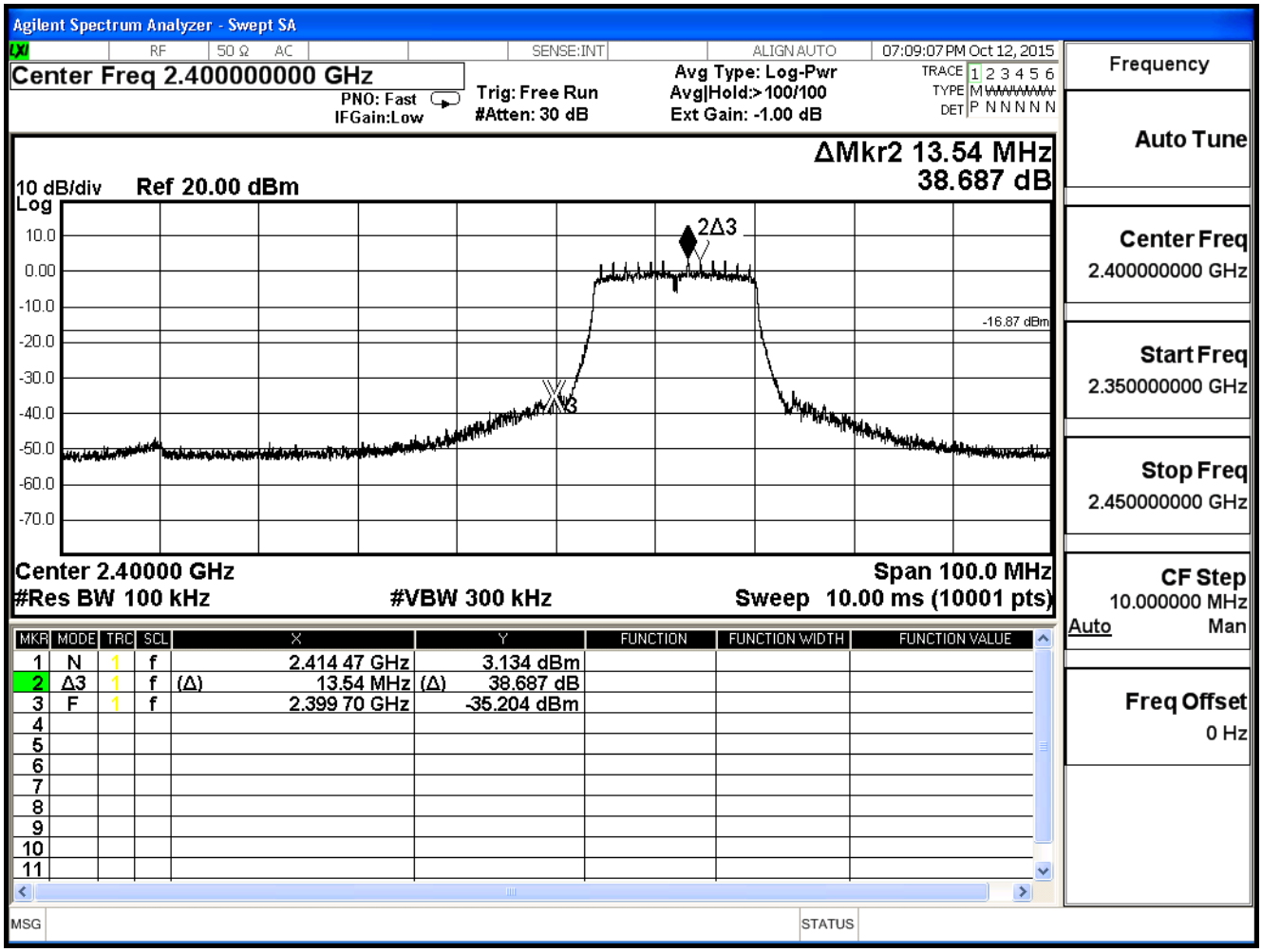
Channel 11 (2462MHz)



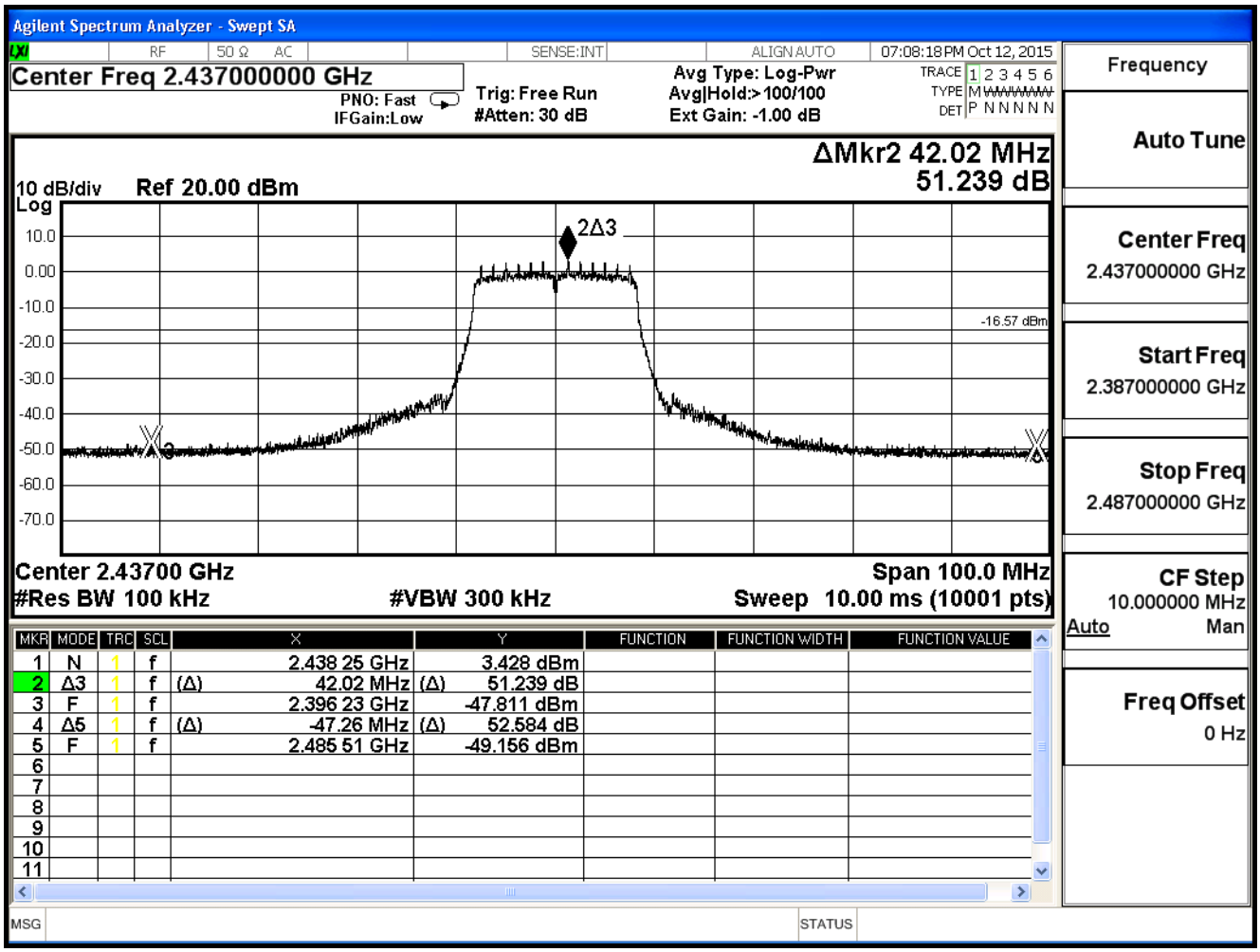
Product	Mesh WiFi AP		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2015/10/12	Test Site	SR7

IEEE 802.11g (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	38.687	≧20	Pass
6	2437	51.239	≧20	Pass
11	2462	49.571	≧20	Pass

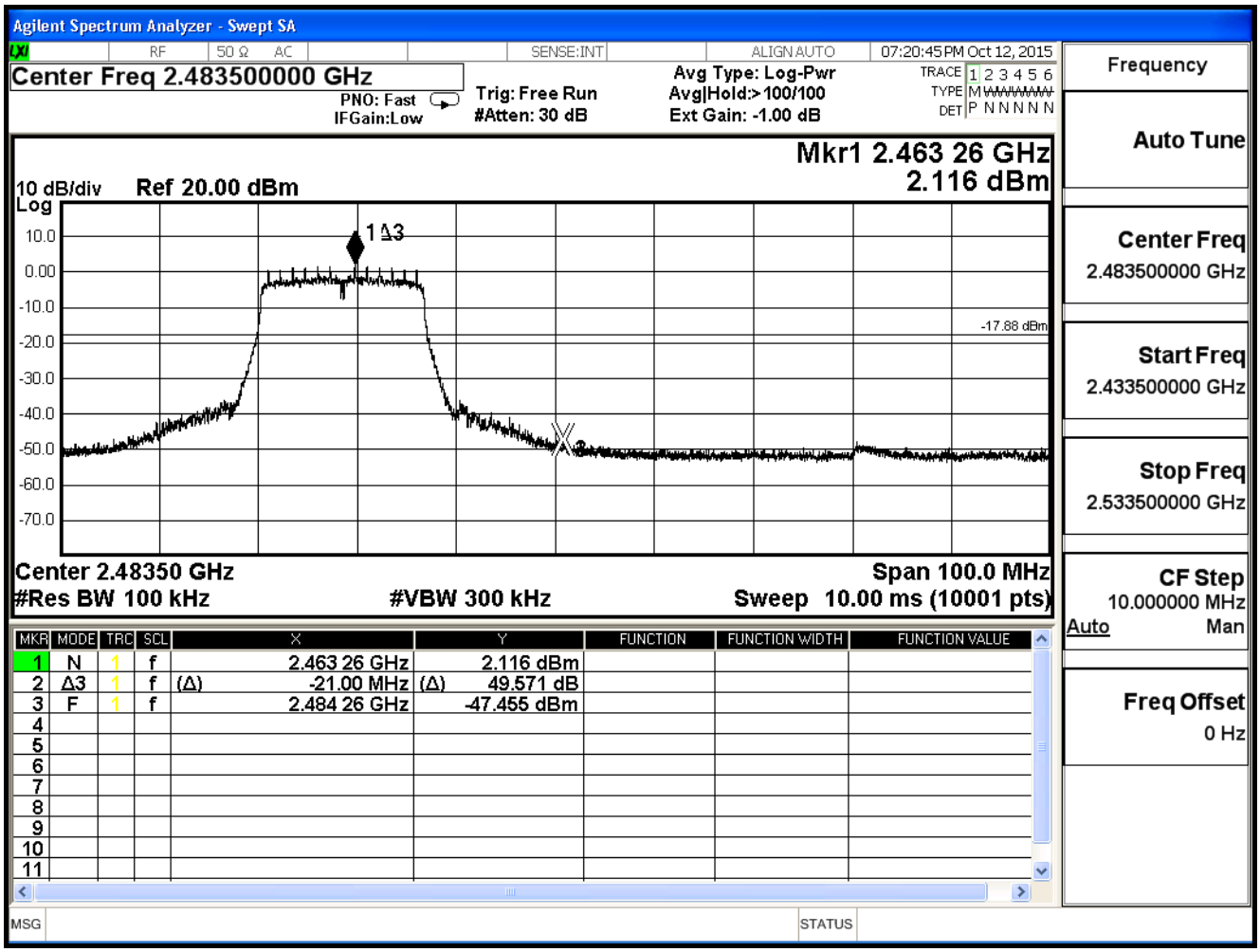
Channel 1 (2412MHz)



Channel 6 (2437MHz)



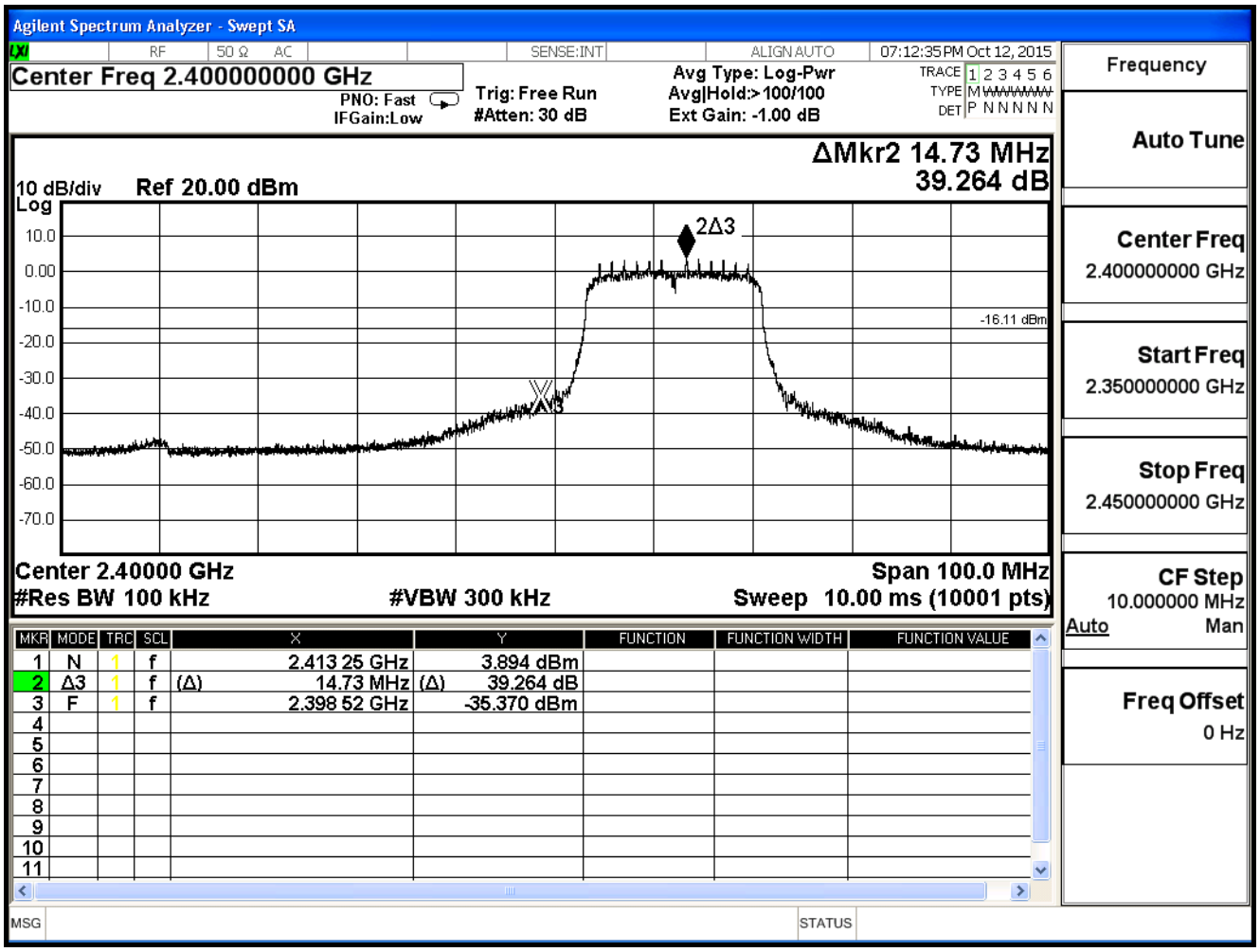
Channel 11 (2462MHz)



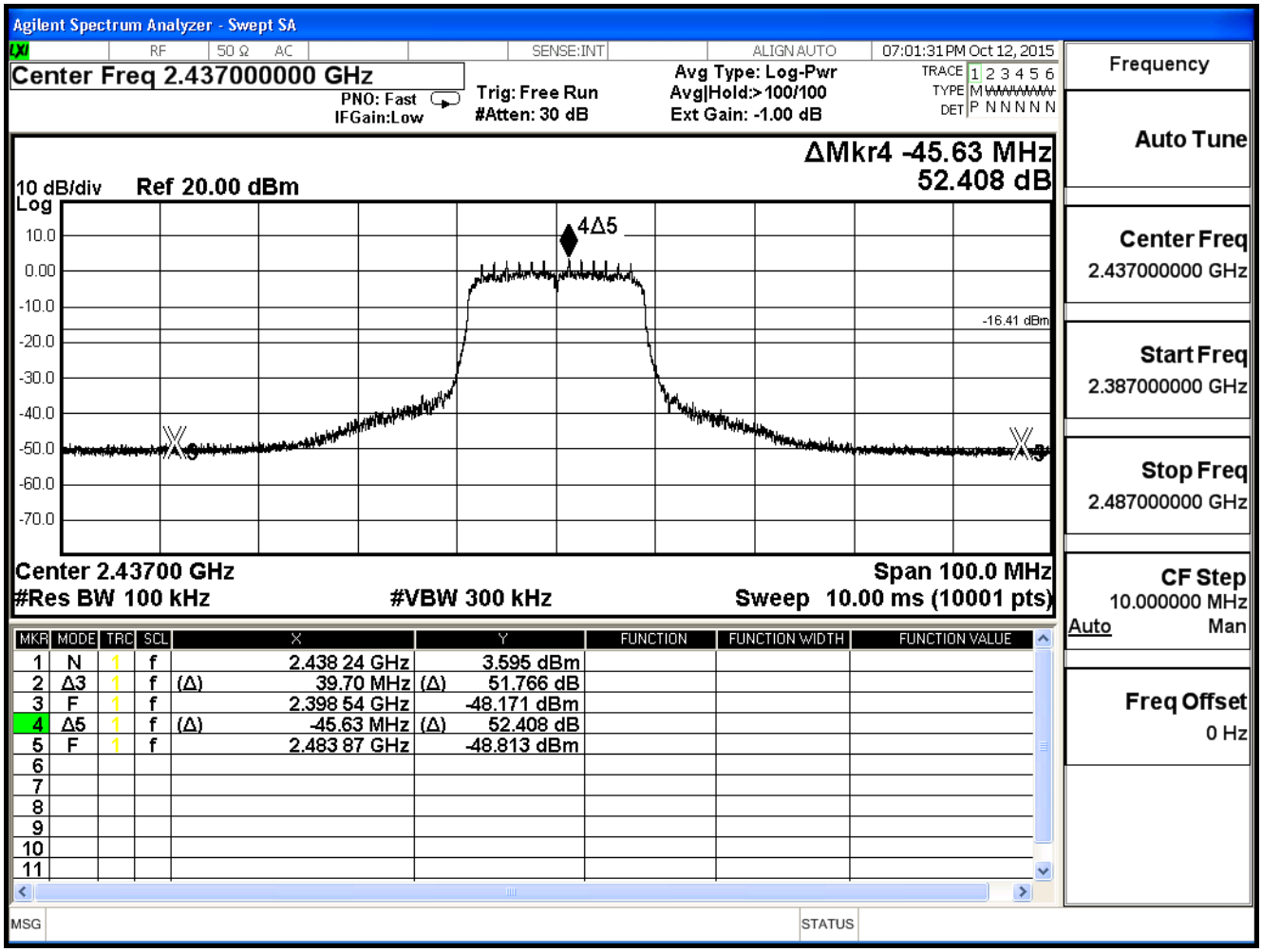
Product	Mesh WiFi AP		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2015/10/12	Test Site	SR7

IEEE 802.11n (20MHz) (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	39.264	≧20	Pass
6	2437	51.766	≧20	Pass
11	2462	49.779	≧20	Pass

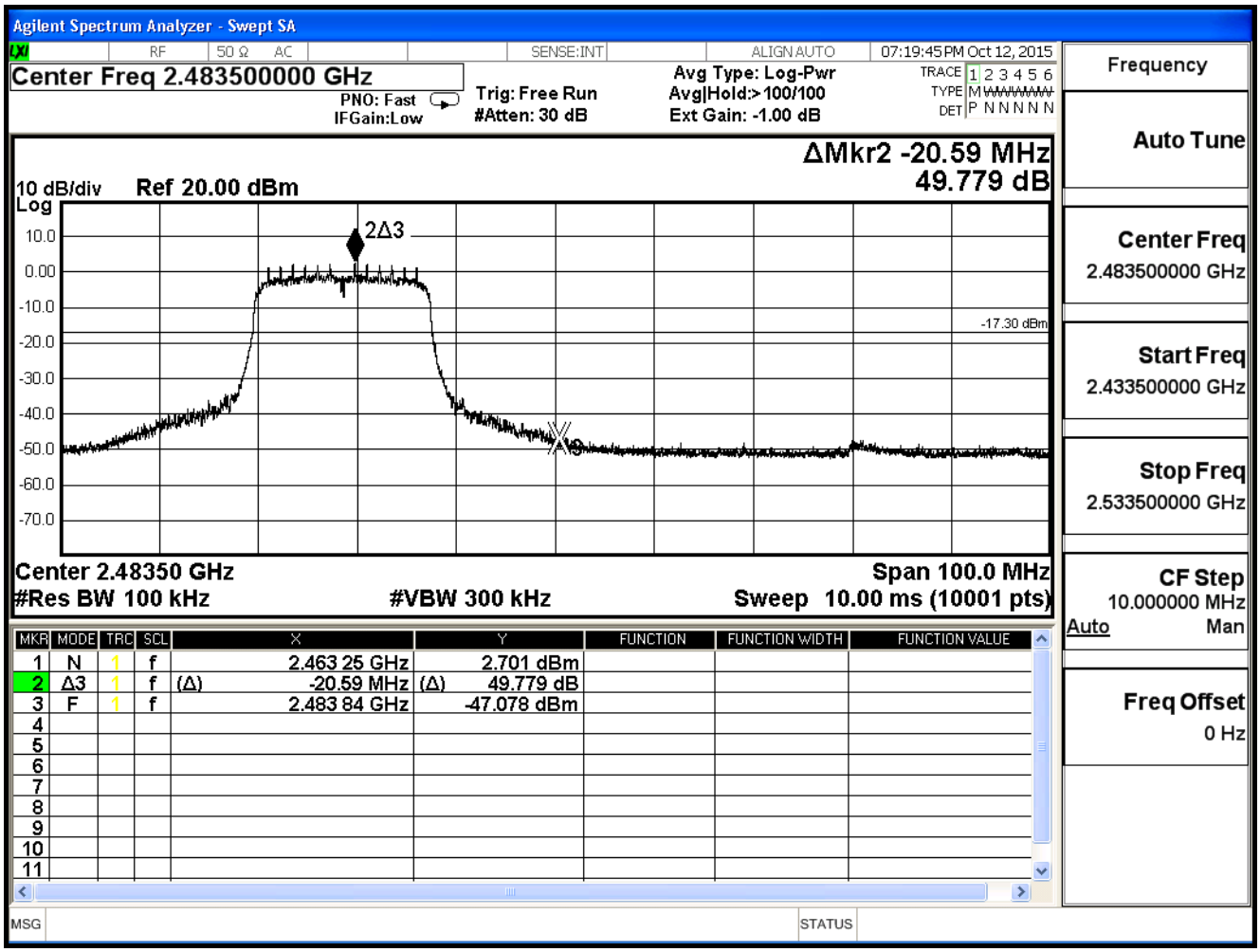
Channel 1 (2412MHz)



Channel 6 (2437MHz)



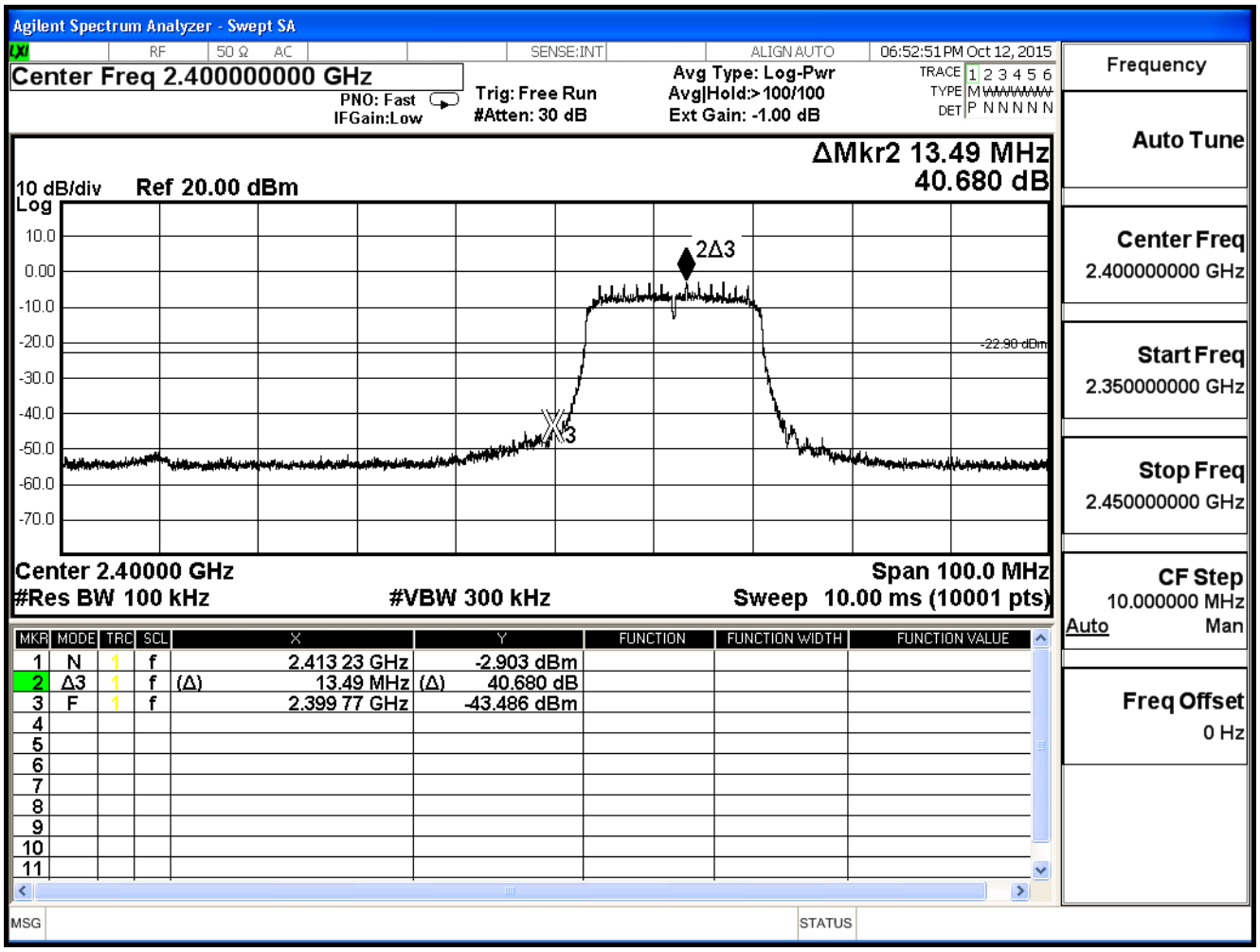
Channel 11 (2462MHz)



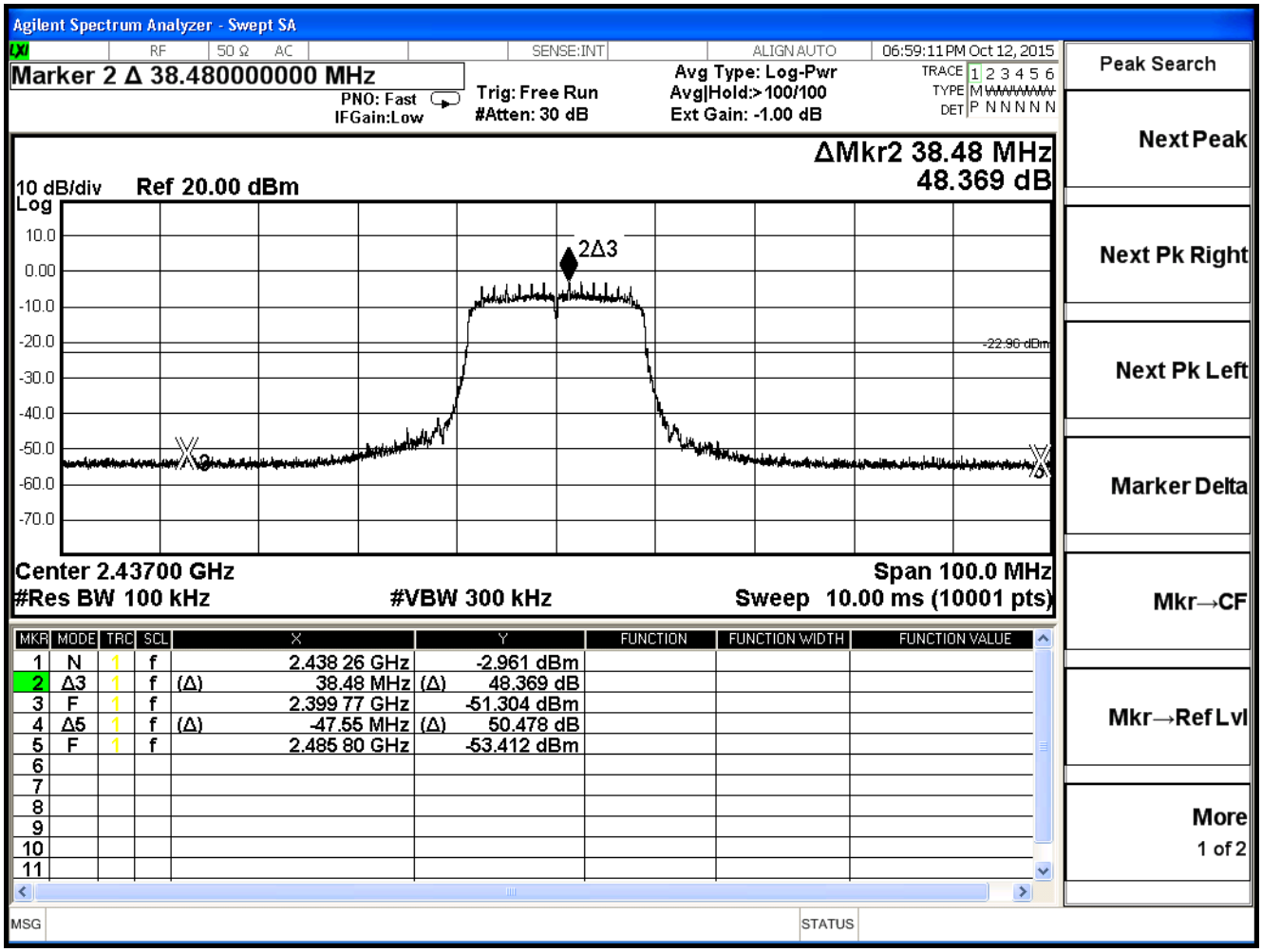
Product	Mesh WiFi AP		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2015/10/12	Test Site	SR7

IEEE 802.11n (20MHz) (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	40.680	≧20	Pass
6	2437	48.369	≧20	Pass
11	2462	47.003	≧20	Pass

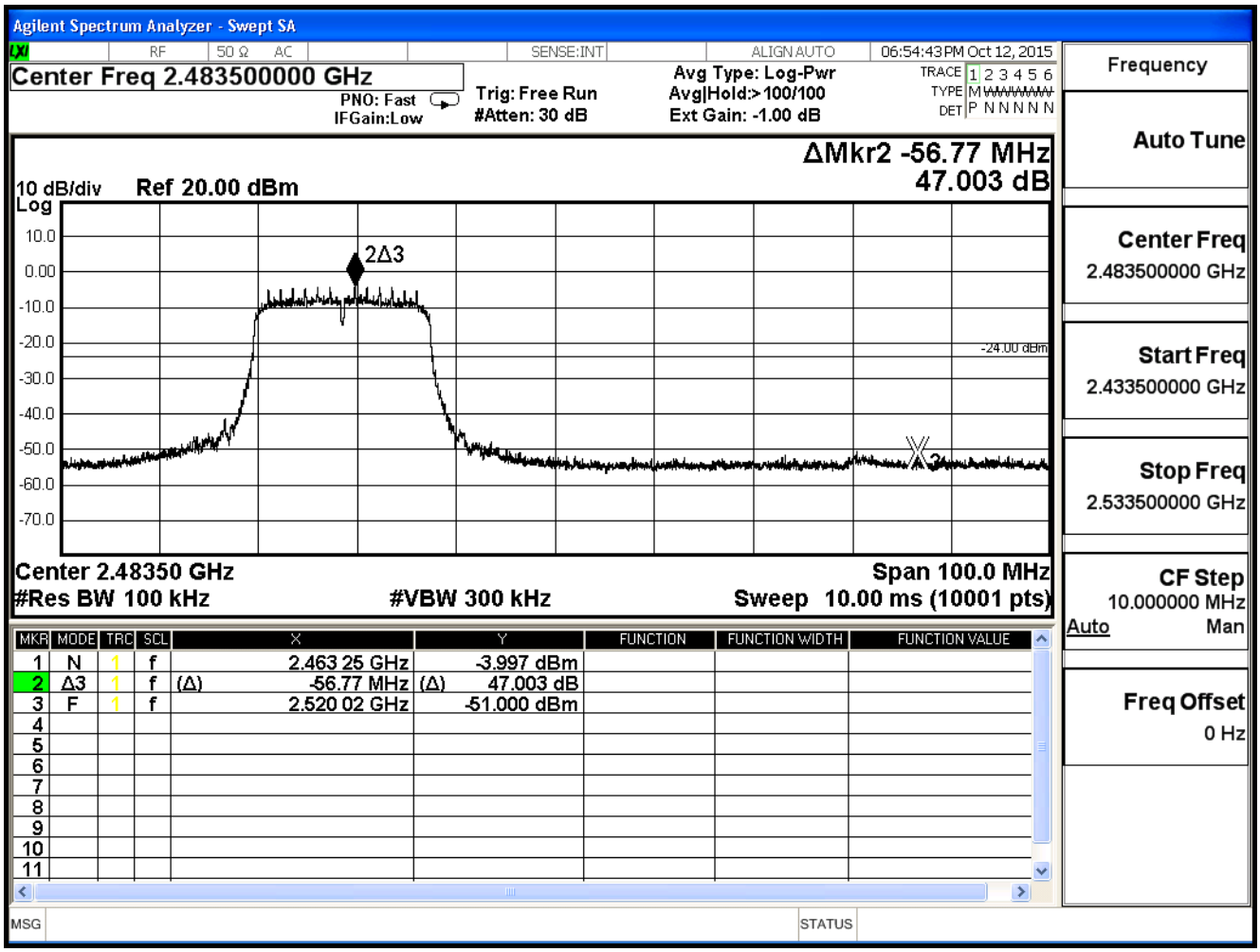
Channel 1 (2412MHz)



Channel 6 (2437MHz)



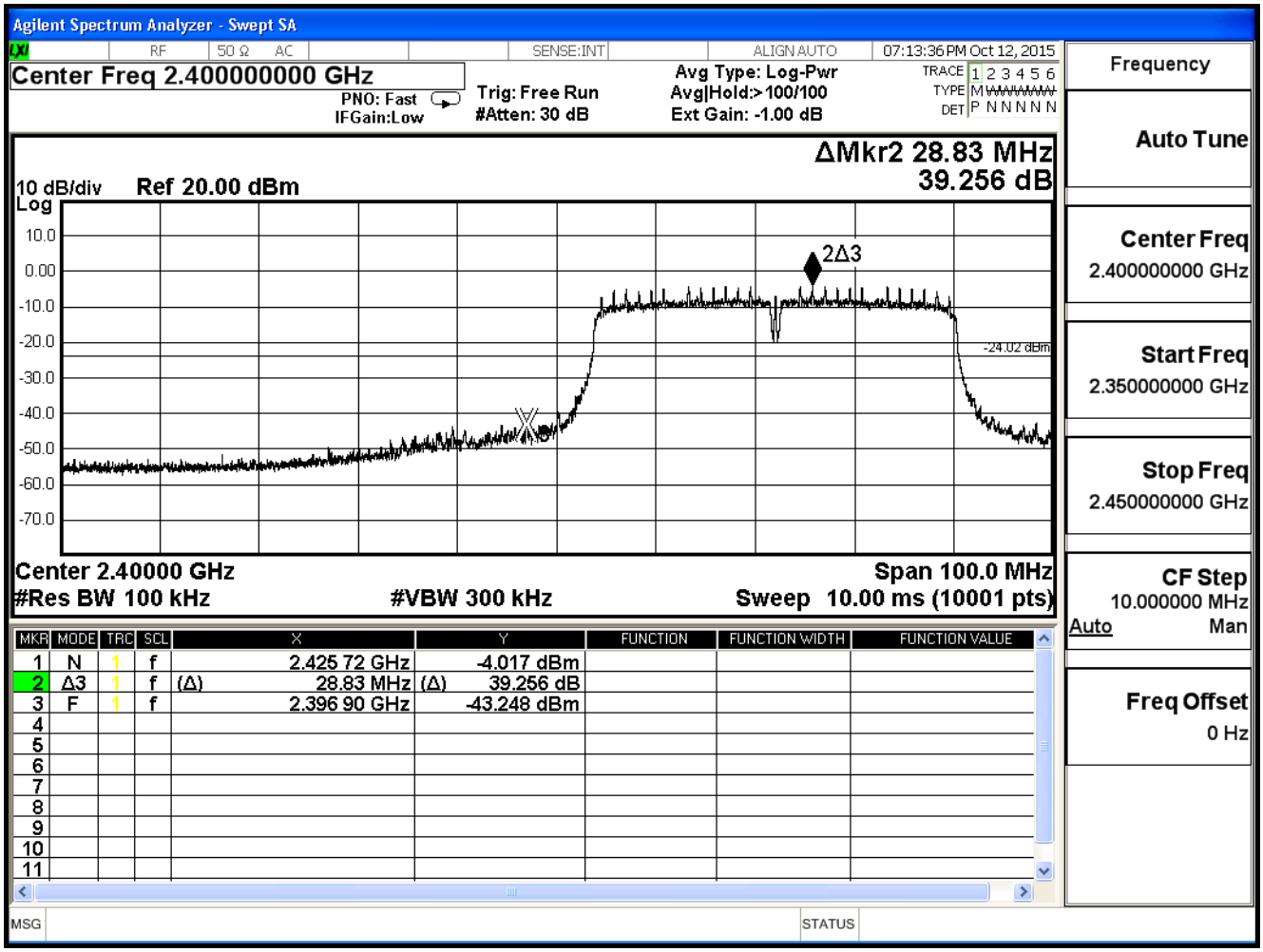
Channel 11 (2462MHz)



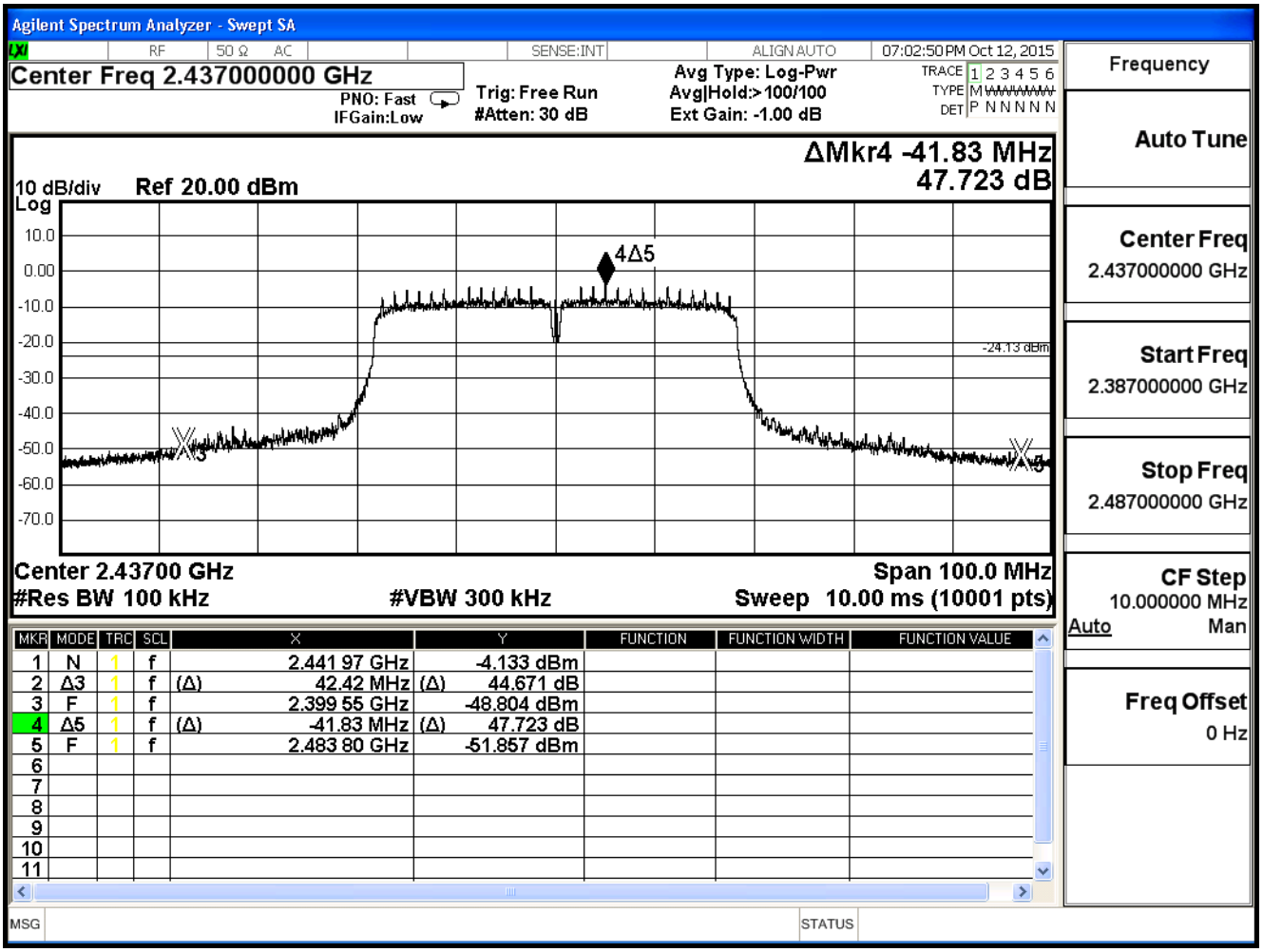
Product	Mesh WiFi AP		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2015/10/12	Test Site	SR7

IEEE 802.11n (40MHz) (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	39.256	≧20	Pass
6	2437	44.671	≧20	Pass
9	2452	41.835	≧20	Pass

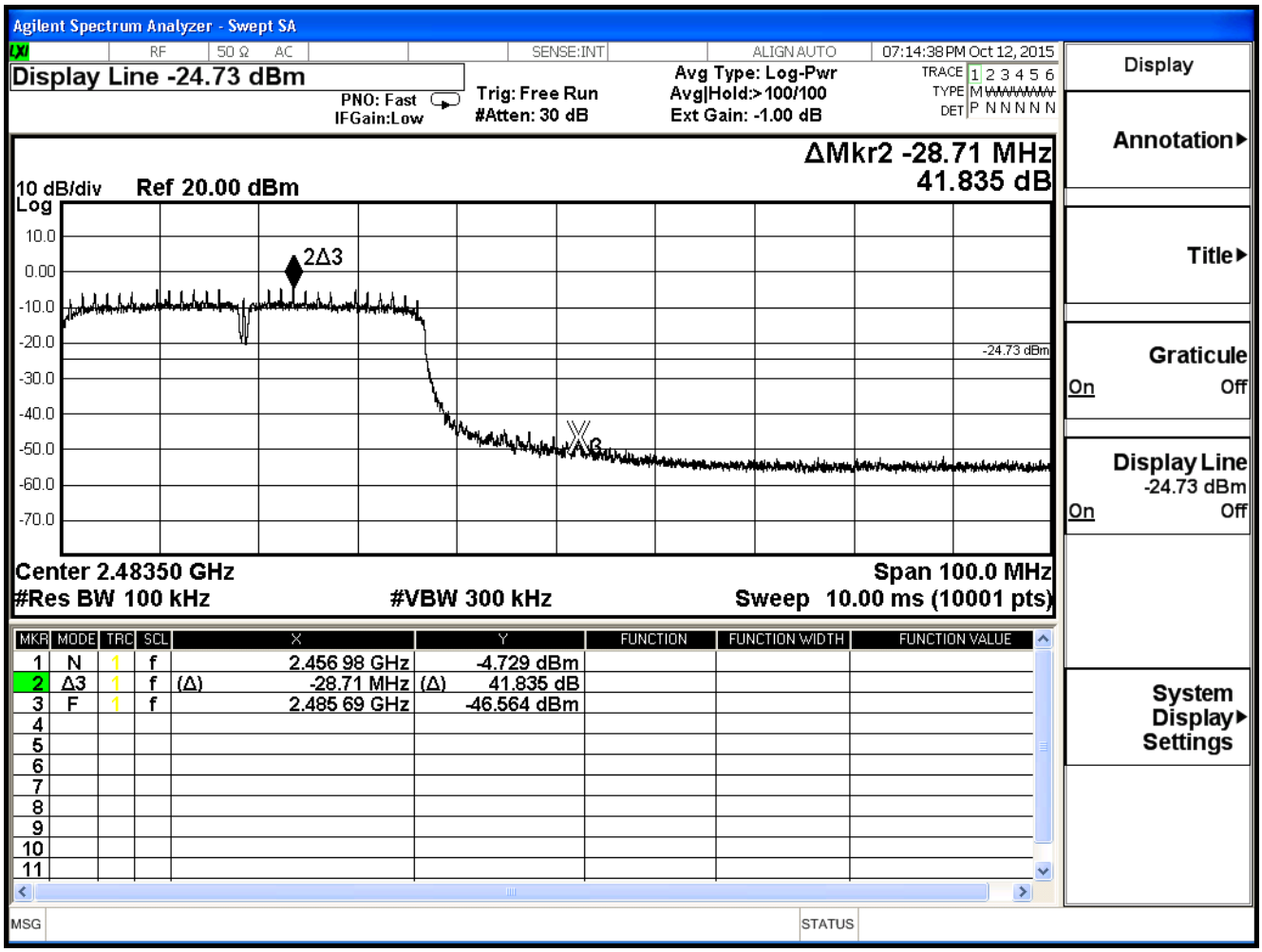
Channel 3 (2422MHz)



Channel 6 (2437MHz)



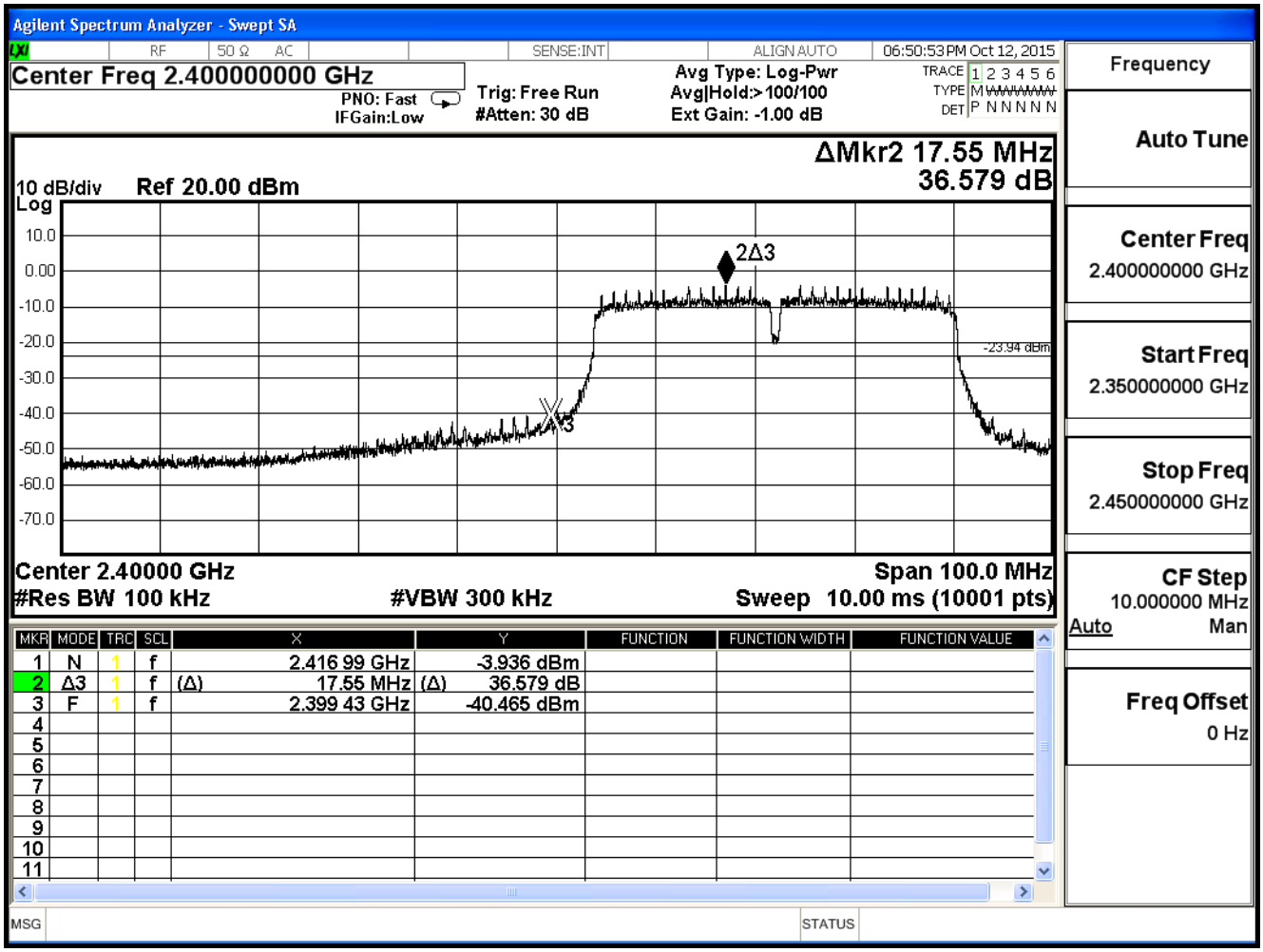
Channel 9 (2452MHz)



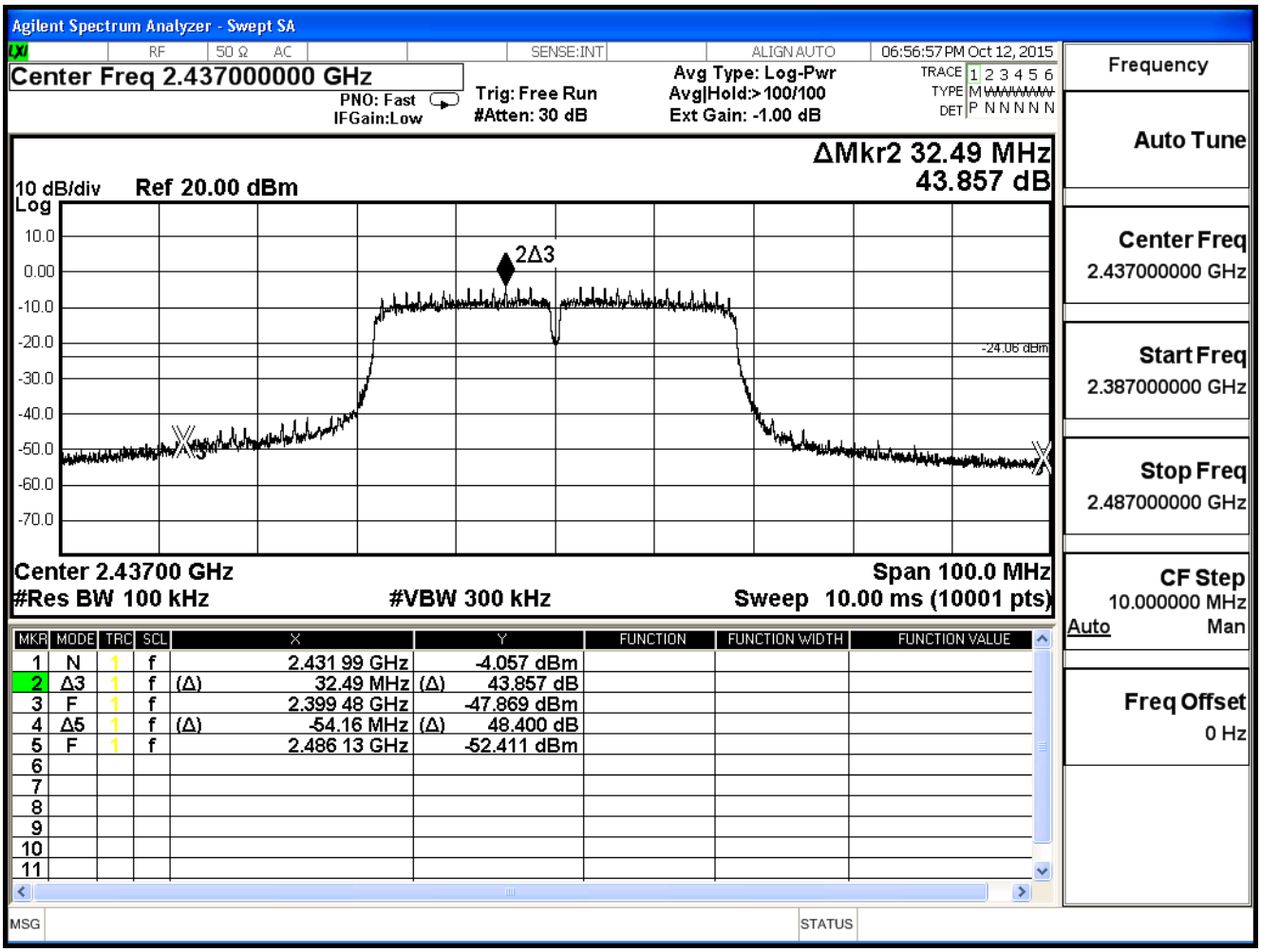
Product	Mesh WiFi AP		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2015/10/12	Test Site	SR7

IEEE 802.11n (40MHz) (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	36.579	≧20	Pass
6	2437	43.857	≧20	Pass
9	2452	43.077	≧20	Pass

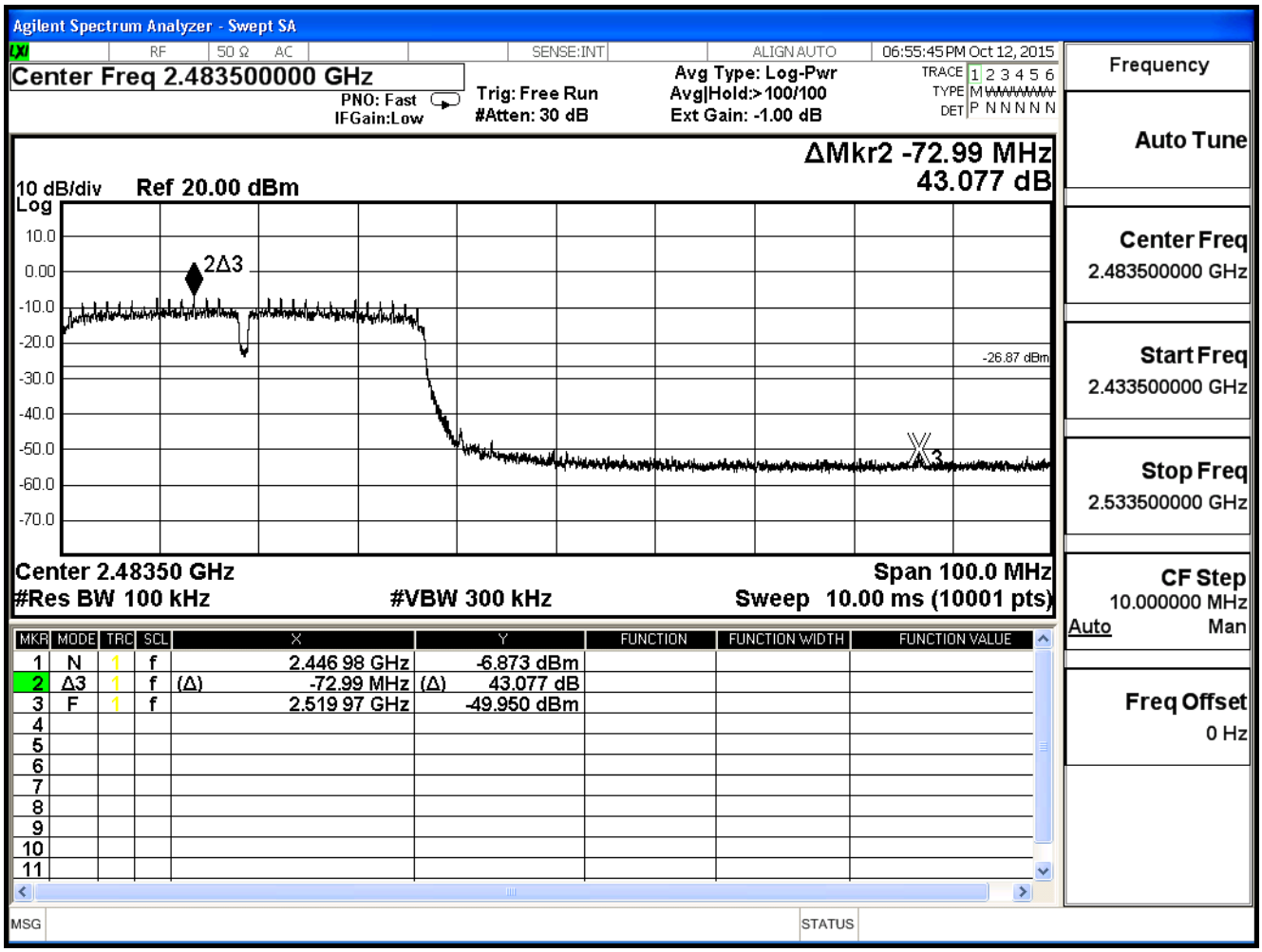
Channel 3 (2422MHz)



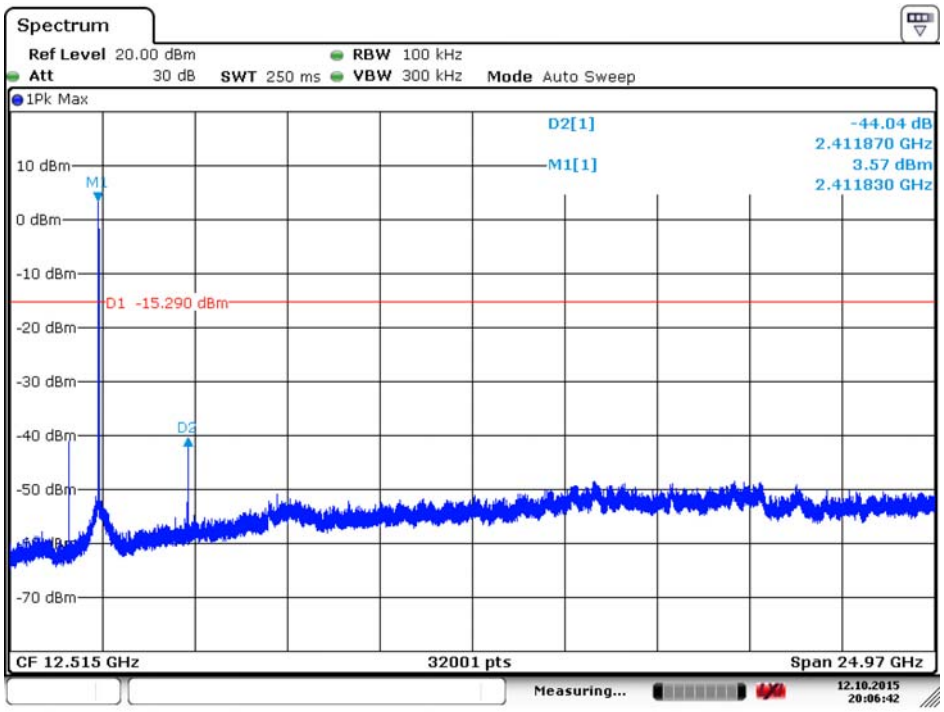
Channel 6 (2437MHz)



Channel 9 (2452MHz)

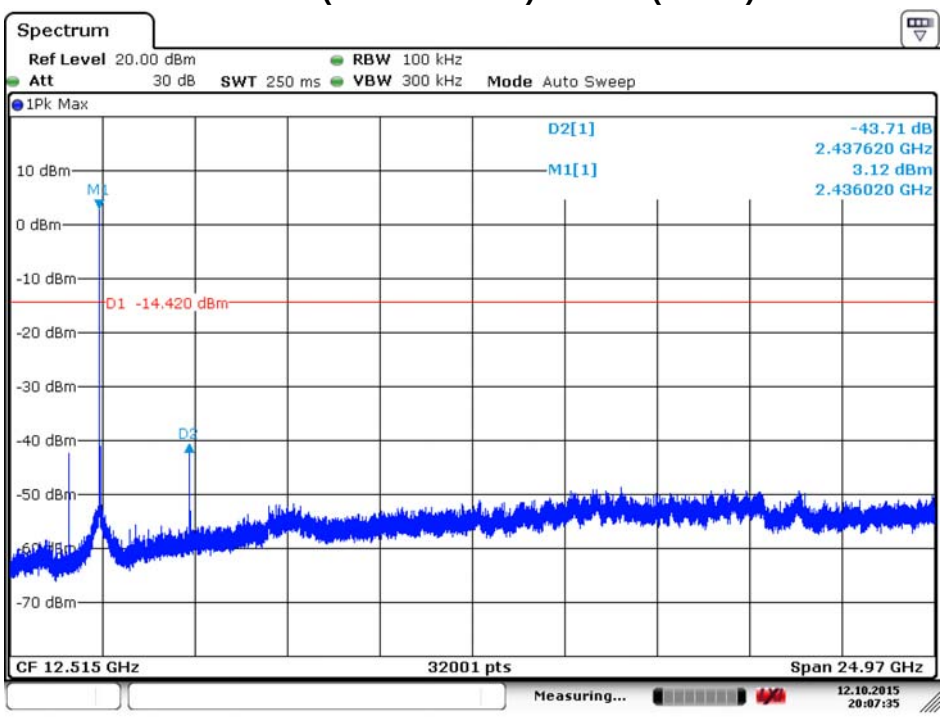


2412MHz (30MHz-25GHz)-802.11b(ANT 0)



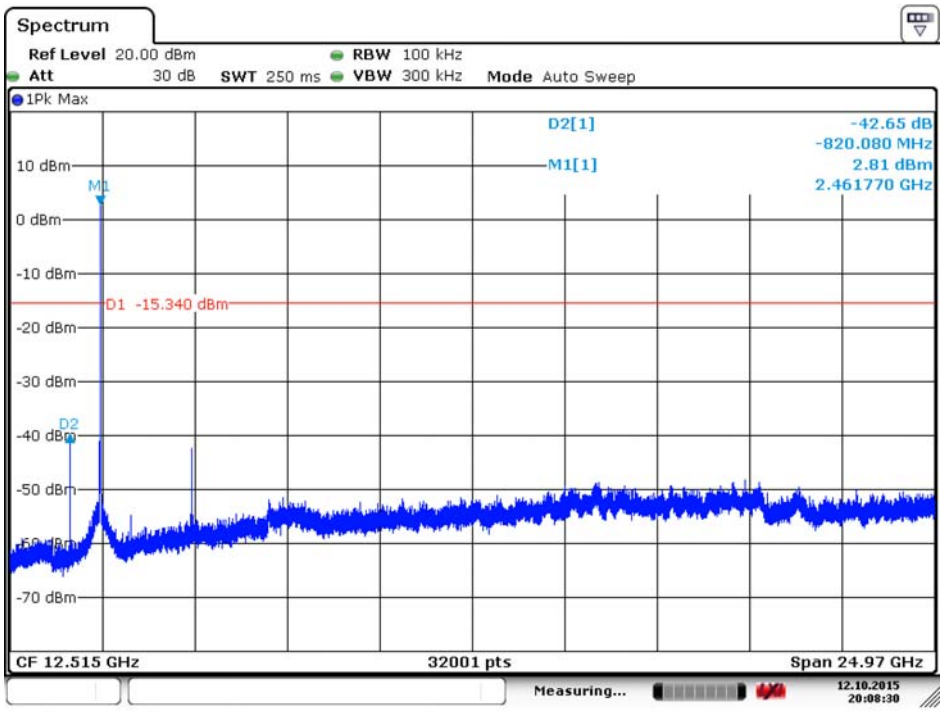
Date: 12.OCT.2015 20:06:42

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



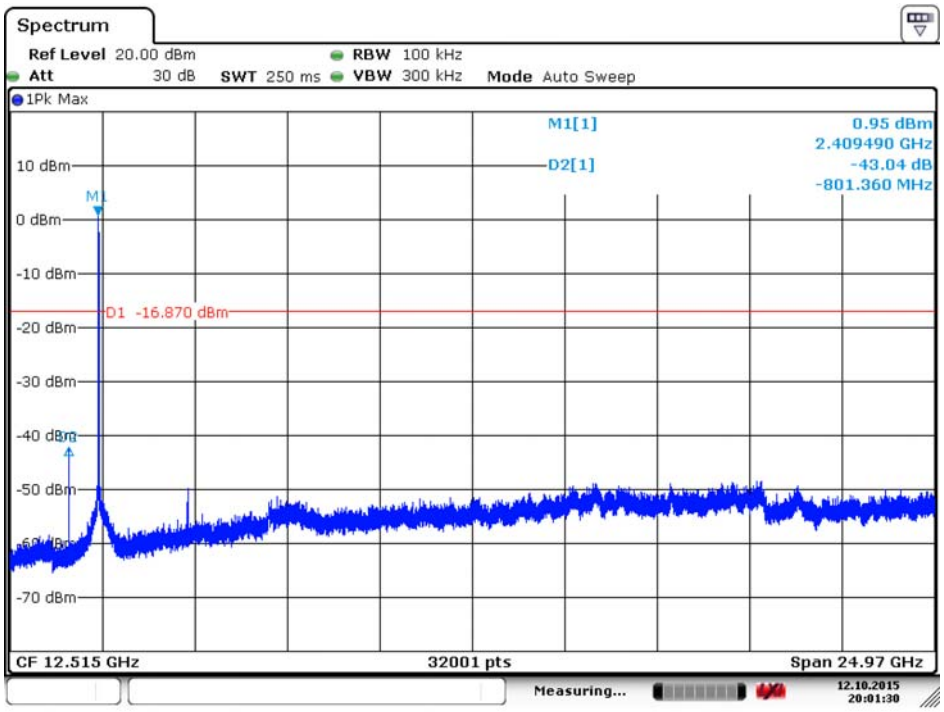
Date: 12.OCT.2015 20:07:35

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



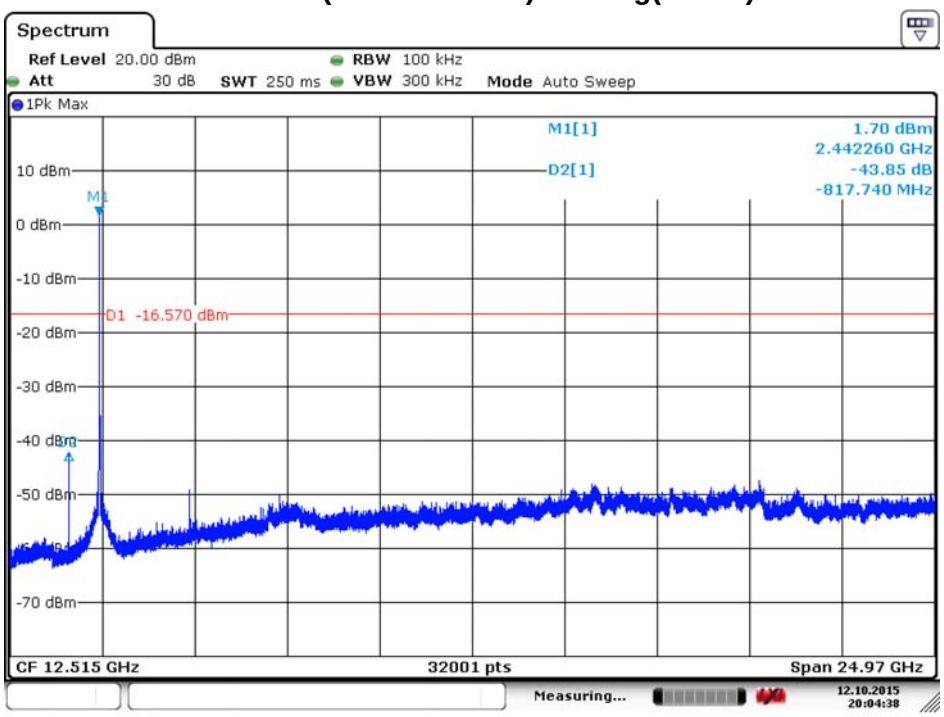
Date: 12.OCT.2015 20:08:30

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



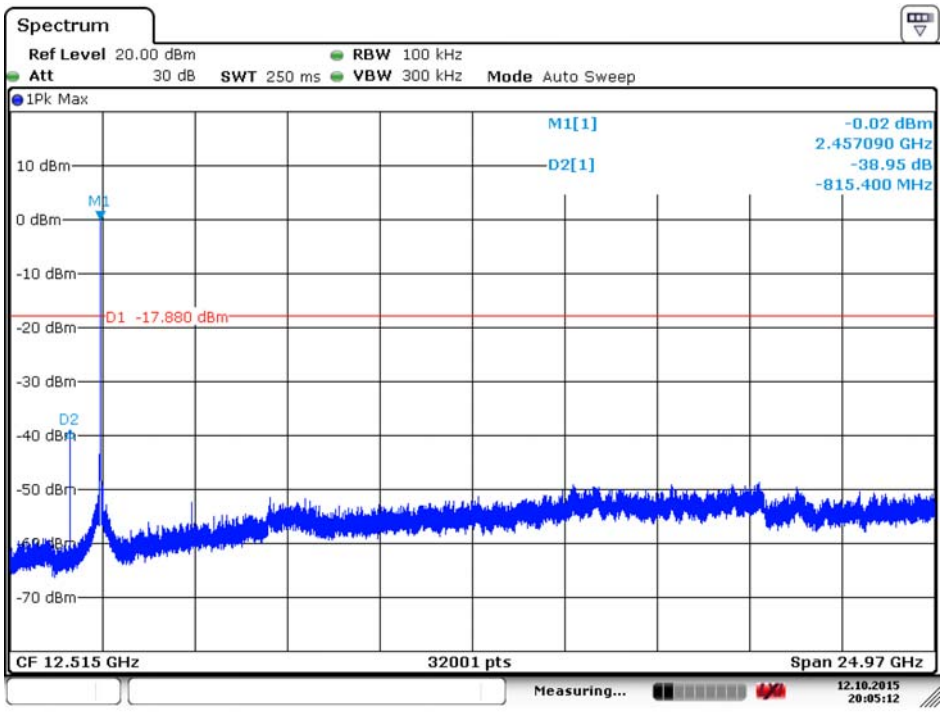
Date: 12.OCT.2015 20:01:30

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



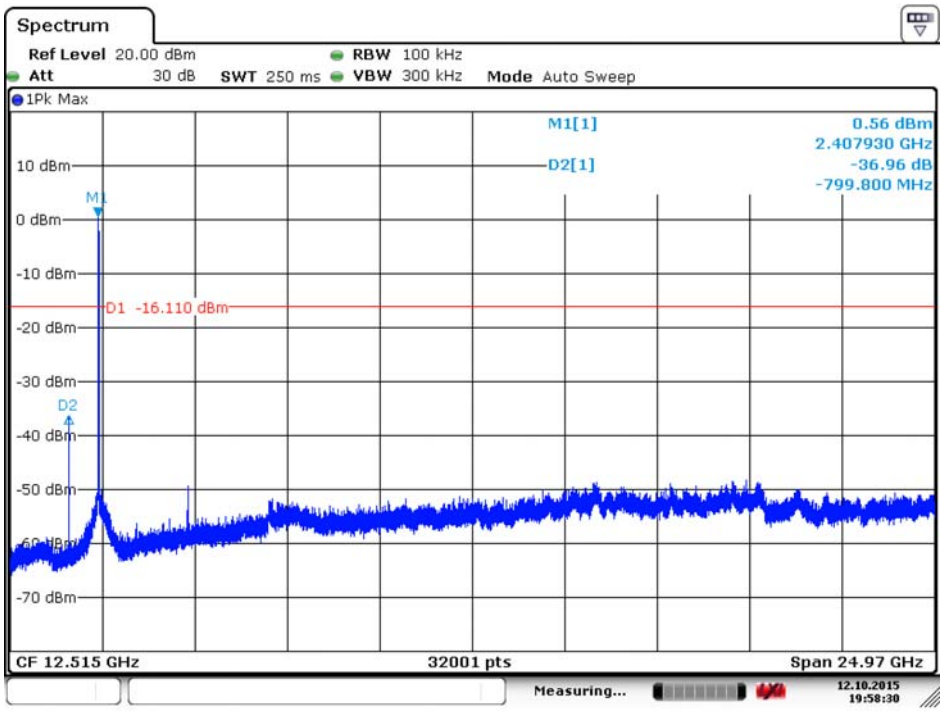
Date: 12.OCT.2015 20:04:38

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



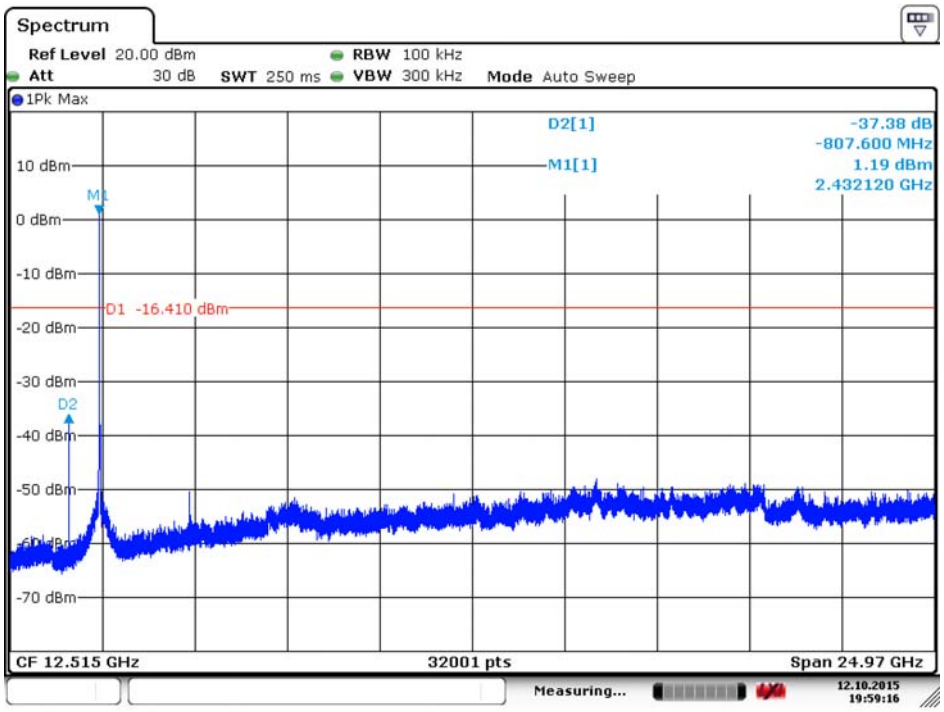
Date: 12.OCT.2015 20:05:12

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



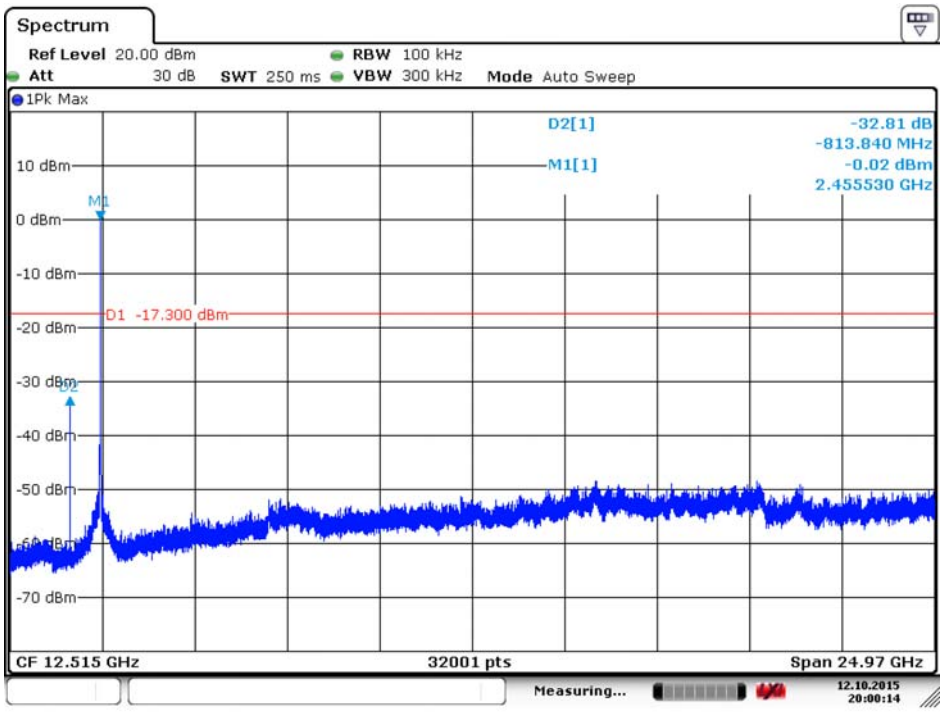
Date: 12.OCT.2015 19:58:30

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



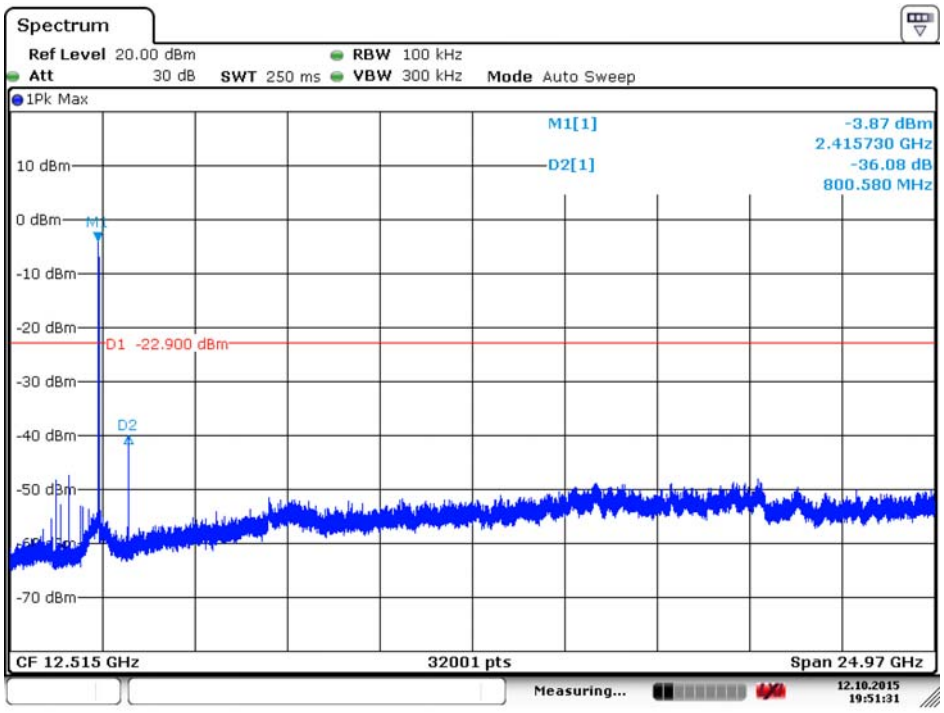
Date: 12.OCT.2015 19:59:17

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



Date: 12.OCT.2015 20:00:14

2412MHz (30MHz-25GHz)- 802.11n (20MHz)(ANT 1)



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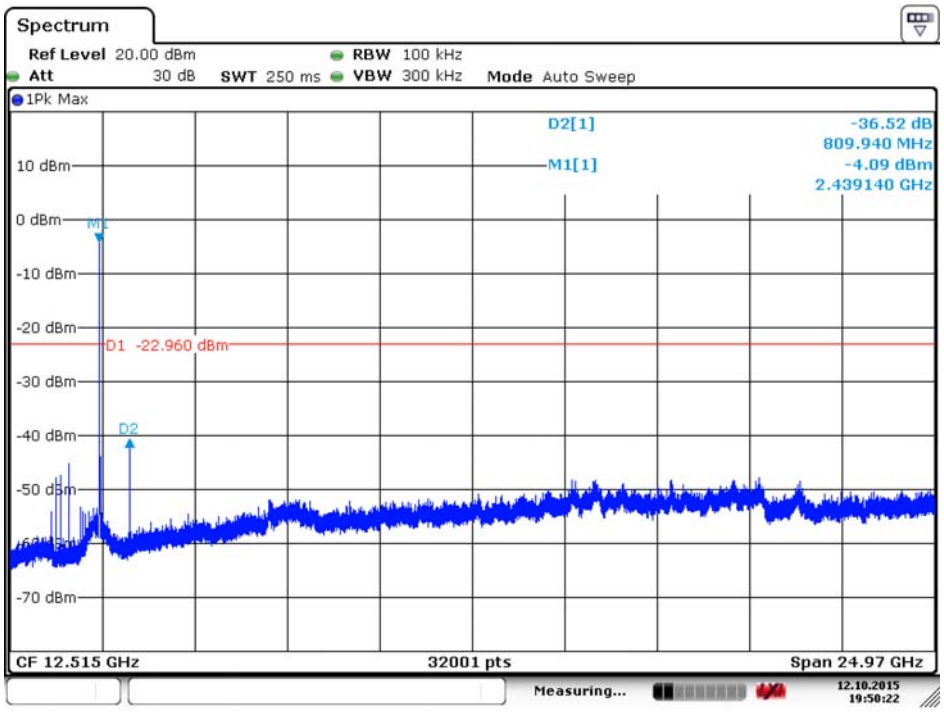
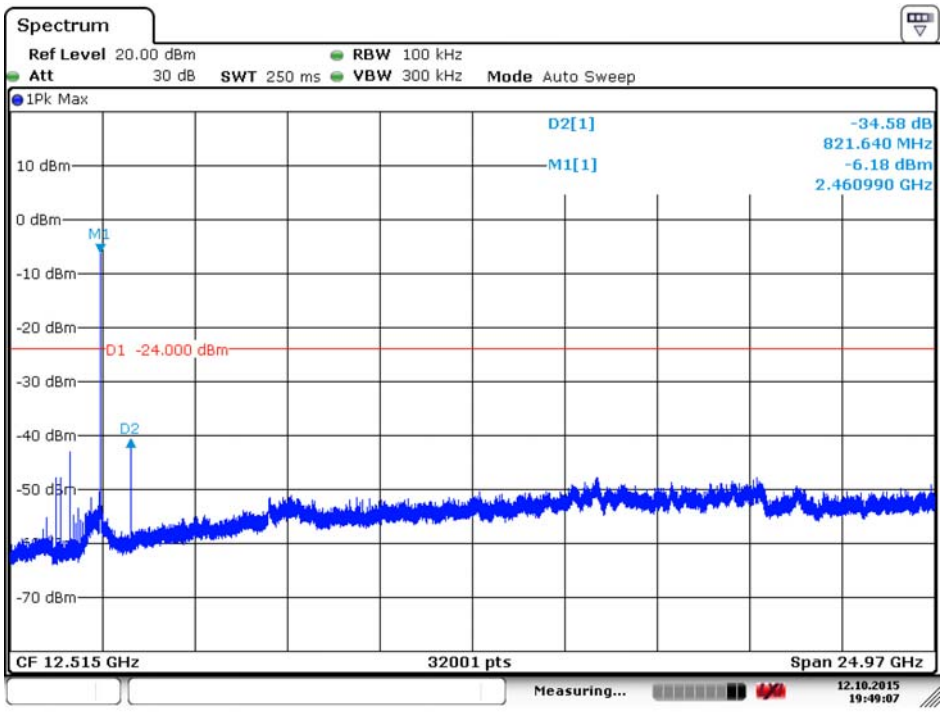
2437MHz (30MHz-25GHz)- 802.11n (20MHz)(ANT 1)



Date: 12.OCT.2015 19:50:22

2462MHz (30MHz-25GHz)- 802.11n (20MHz)(ANT 1)



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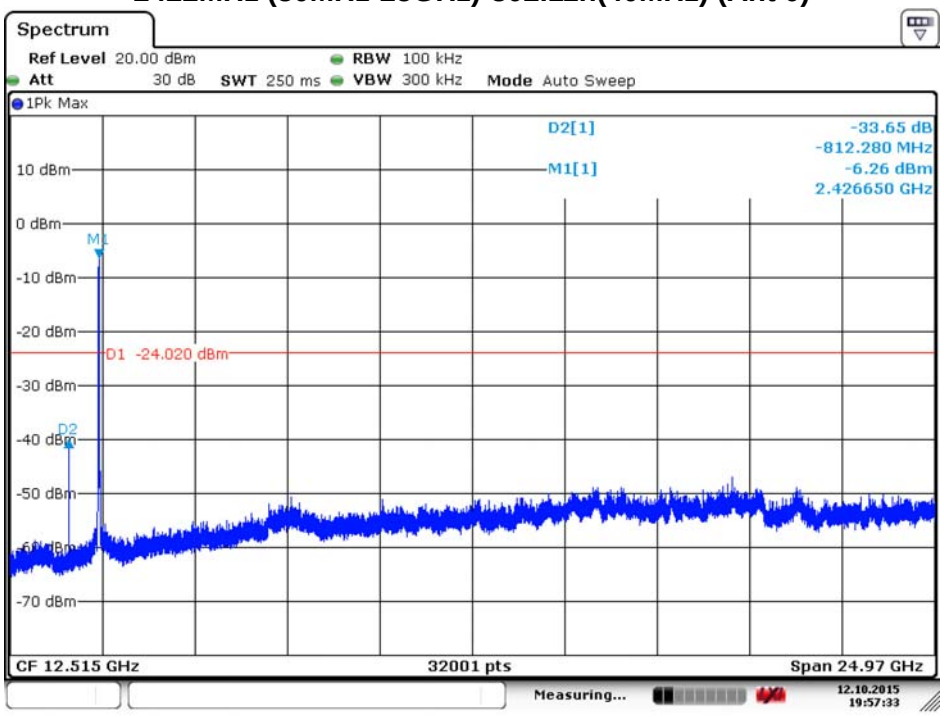
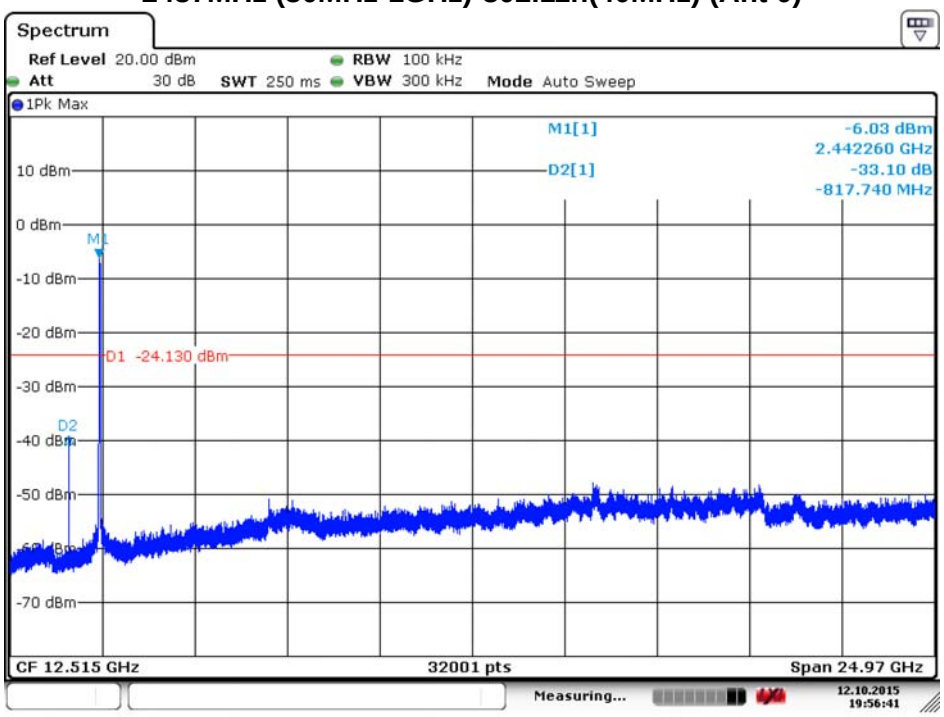
2422MHz (30MHz-25GHz)-802.11n(40MHz) (Ant 0)



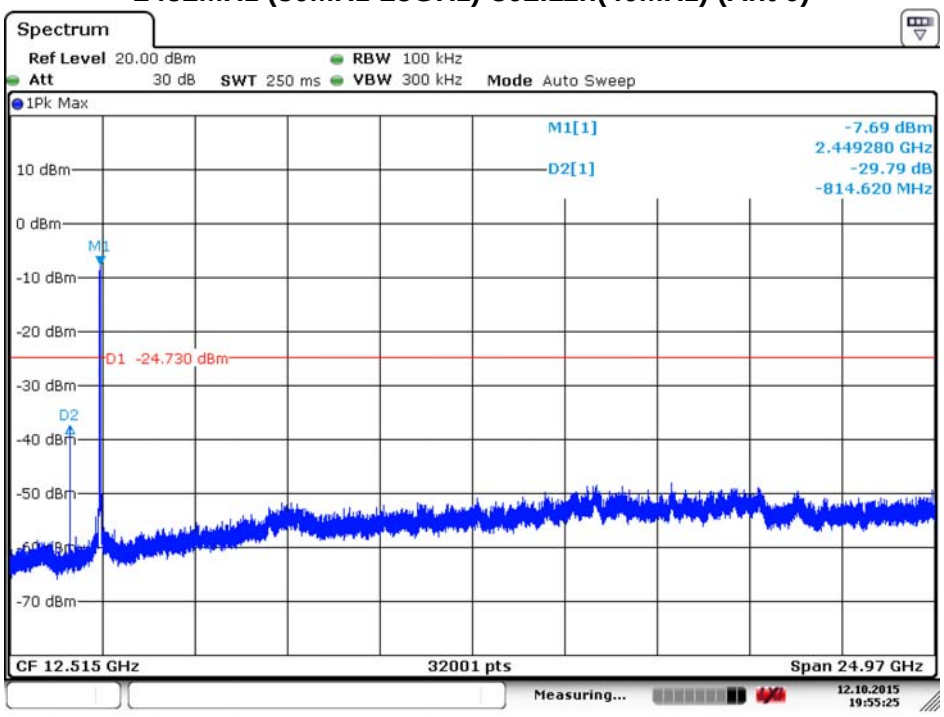
Date: 12.OCT.2015 19:57:33

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



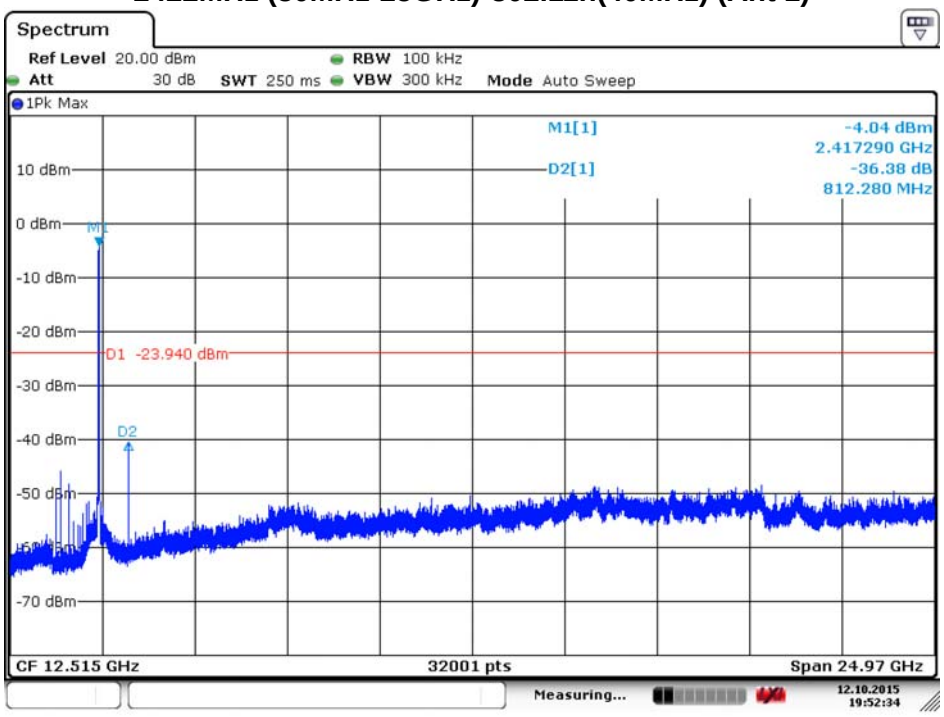
Date: 12.OCT.2015 19:56:41

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



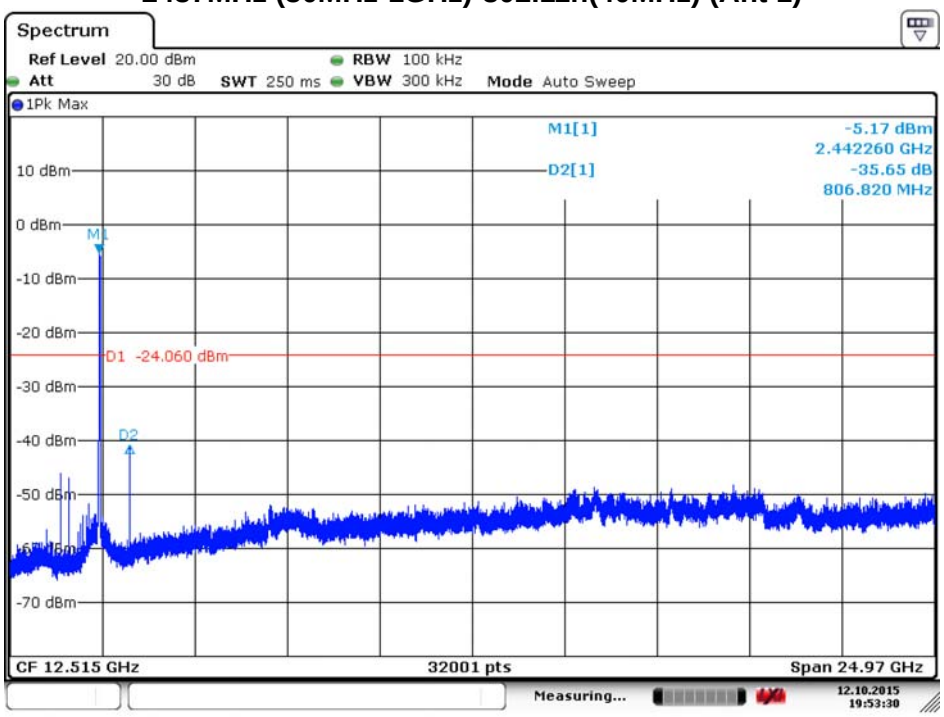
Date: 12.OCT.2015 19:55:25

2422MHz (30MHz-25GHz)-802.11n(40MHz) (Ant 1)



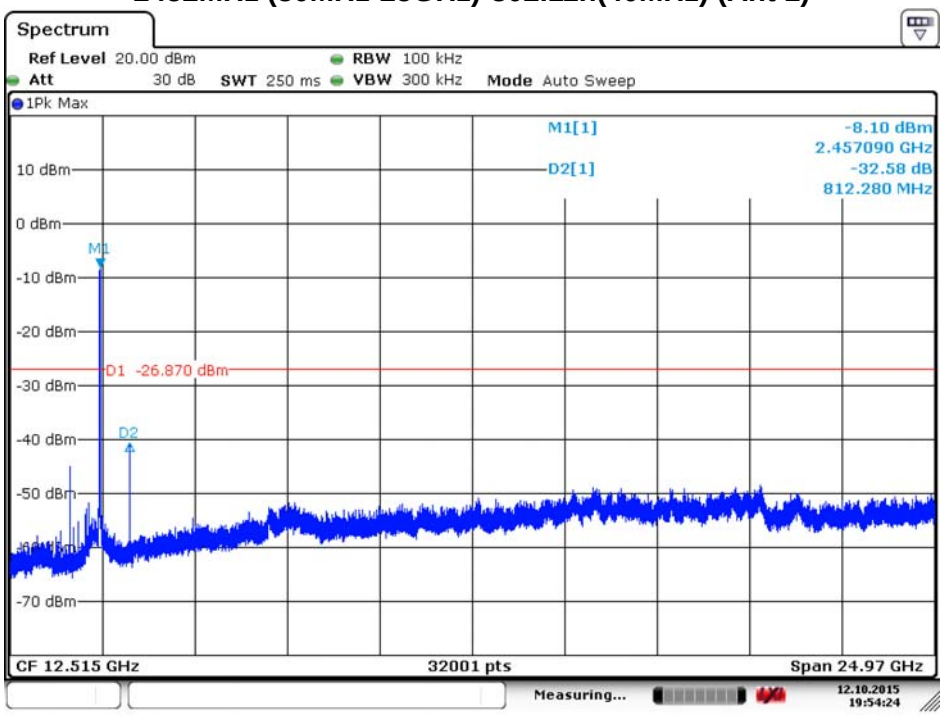
Date: 12.OCT.2015 19:52:34

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



Date: 12.OCT.2015 19:53:29

2452MHz (30MHz-25GHz)-802.11n(40MHz) (Ant 1)



Date: 12.OCT.2015 19:54:24

6. Radiated Emission Band Edge

6.1. Test Equipment

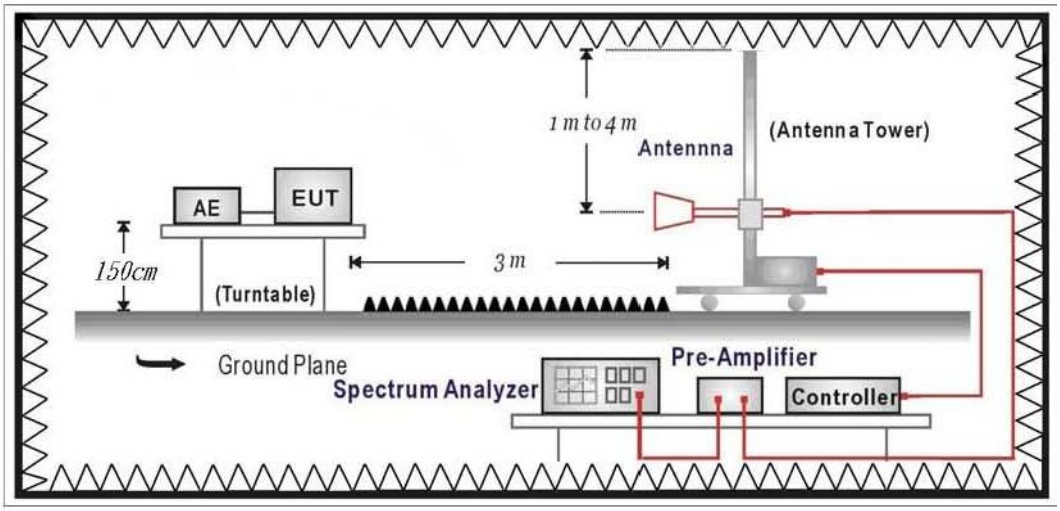
The following test equipments are used during the test:

Radiated Emission Band Edge / CB1

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Double Ridged Guide Horn Antenna	Schwarzbeck	BBHA 9120	D743	2016/01/26
Spectrum Analyzer	Agilent	E4440A	MY46187335	2016/01/07
k Type Cable	Huber Suhner	Sucoflex 102	25623/2	2016/01/26

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

6.2. Test Setup



6.3. Limits

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

6.4. Test Procedure

The EUT was setup according to ANSI C63.10:2013 and tested according to DTS test procedure of KDB558074 v03r02 for compliance to FCC 47CFR 15.247 requirements.
The EUT and its simulators are placed on a turn table which is 1.5 meter above ground.
The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10:2013 on radiated measurement.

6.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2014

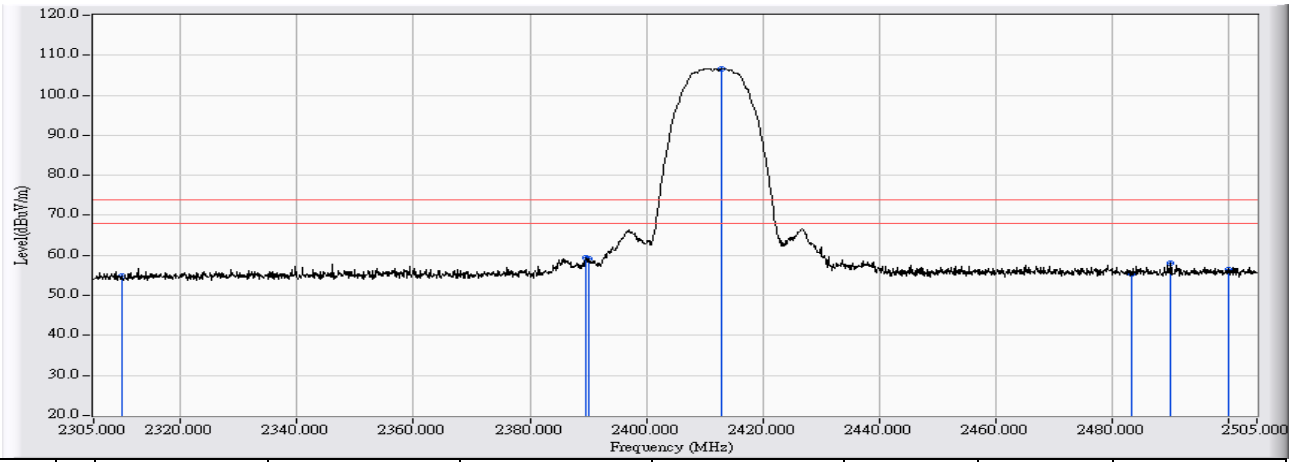
6.6. Uncertainty

The measurement uncertainty
± 3.9 dB above 1GHz

6.7. Test Result

Radiated is defined as

Site : CB1	**Time : 2015/10/01 - 13:54**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11b_2412MHz**

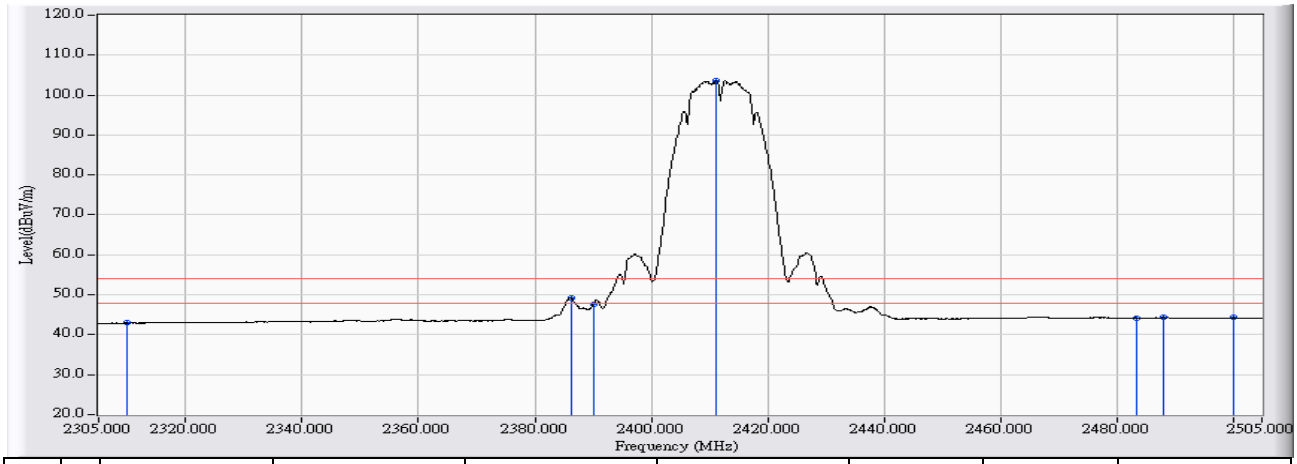


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.366	26.575	54.941	-19.059	74.000	PEAK
2		2389.658	28.708	30.750	59.458	-14.542	74.000	PEAK
3		2390.000	28.709	30.510	59.219	-14.781	74.000	PEAK
4	*	2412.946	28.807	77.916	106.724	32.724	74.000	PEAK
5		2483.500	29.110	26.222	55.332	-18.668	74.000	PEAK
6		2490.007	29.138	28.965	58.103	-15.897	74.000	PEAK
7		2500.000	29.183	27.189	56.371	-17.629	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 : 2015/10/01 - 13:55**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11b_2412MHz**

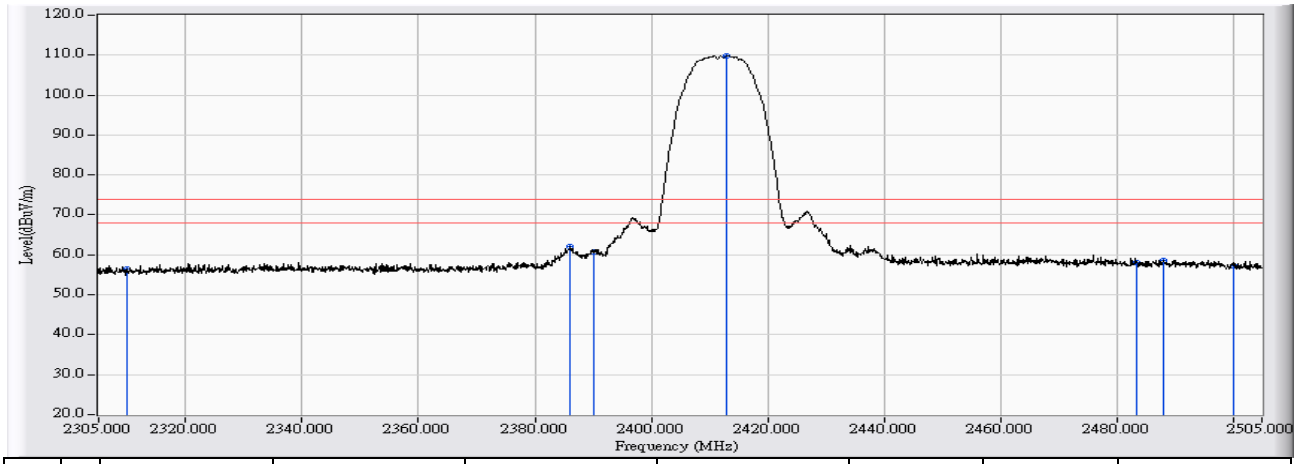


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.366	14.557	42.923	-11.077	54.000	AVERAGE
2		2386.159	28.693	20.599	49.292	-4.708	54.000	AVERAGE
3		2390.000	28.709	18.868	47.577	-6.423	54.000	AVERAGE
4	*	2411.147	28.800	74.812	103.612	49.612	54.000	AVERAGE
5		2483.500	29.110	15.068	44.178	-9.822	54.000	AVERAGE
6		2488.009	29.129	15.165	44.294	-9.706	54.000	AVERAGE
7		2500.000	29.183	15.094	44.276	-9.724	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 : 2015/10/01 - 13:13**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11b_2412MHz**

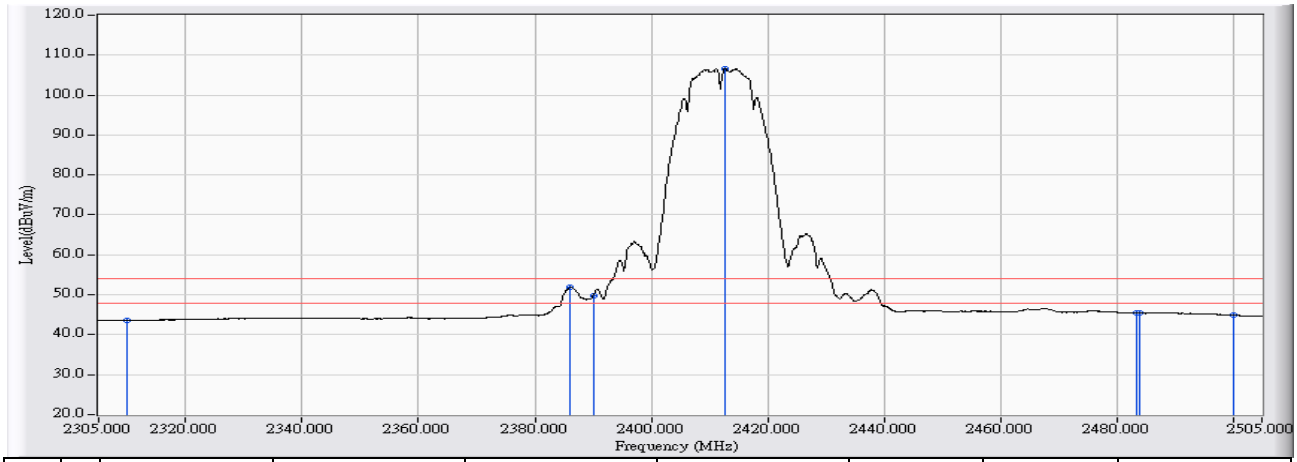


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	29.201	27.190	56.392	-17.608	74.000	PEAK
2		2386.059	29.158	32.938	62.096	-11.904	74.000	PEAK
3		2390.000	29.155	31.572	60.728	-13.272	74.000	PEAK
4	*	2412.946	29.142	80.673	109.815	35.815	74.000	PEAK
5		2483.500	29.102	28.921	58.023	-15.977	74.000	PEAK
6		2488.009	29.099	29.510	58.609	-15.391	74.000	PEAK
7		2500.000	29.094	28.202	57.296	-16.704	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 : 2015/10/01 - 13:12**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11b_2412MHz**

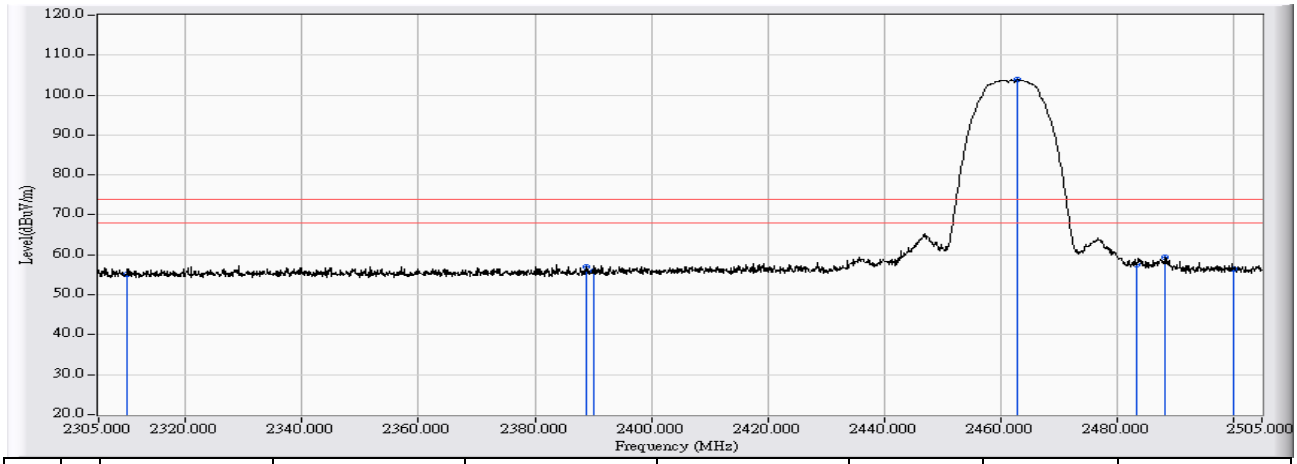


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	29.201	14.393	43.595	-10.405	54.000	AVERAGE
2		2386.059	29.158	22.803	51.961	-2.039	54.000	AVERAGE
3		2390.000	29.155	20.640	49.796	-4.204	54.000	AVERAGE
4	*	2412.746	29.142	77.502	106.644	52.644	54.000	AVERAGE
5		2483.500	29.102	16.289	45.391	-8.609	54.000	AVERAGE
6		2483.910	29.102	16.288	45.389	-8.611	54.000	AVERAGE
7		2500.000	29.094	15.832	44.926	-9.074	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 : 2015/10/01 - 11:30**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11b_2462MHz**

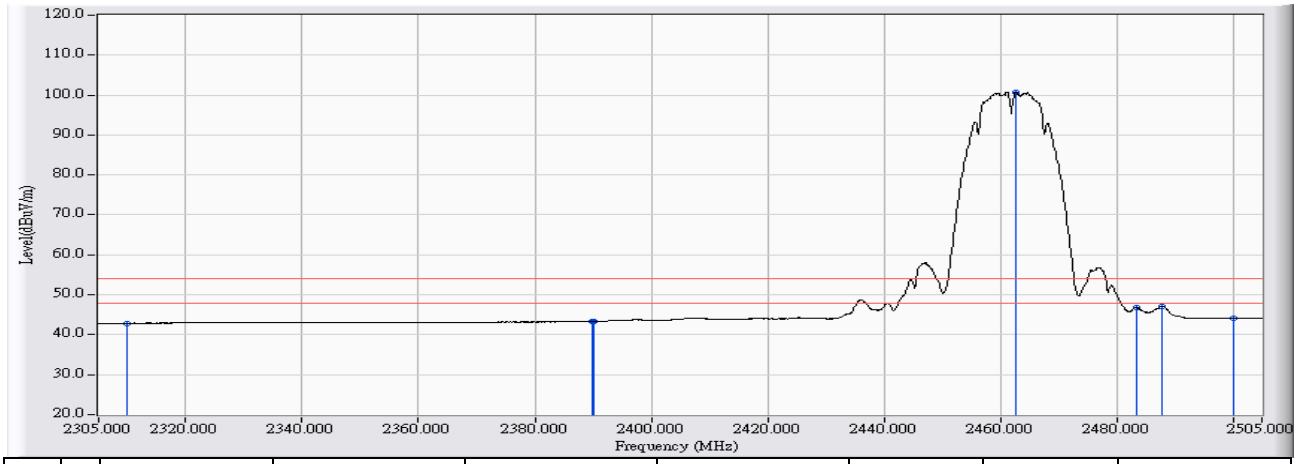


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.366	26.781	55.147	-18.853	74.000	PEAK
2		2388.958	28.705	28.298	57.003	-16.997	74.000	PEAK
3		2390.000	28.709	27.139	55.848	-18.152	74.000	PEAK
4	*	2463.021	29.022	74.852	103.874	29.874	74.000	PEAK
5		2483.500	29.110	28.359	57.469	-16.531	74.000	PEAK
6		2488.408	29.131	30.333	59.464	-14.536	74.000	PEAK
7		2500.000	29.183	27.395	56.577	-17.423	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 : 2015/10/01 - 11:48**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11b_2462MHz**

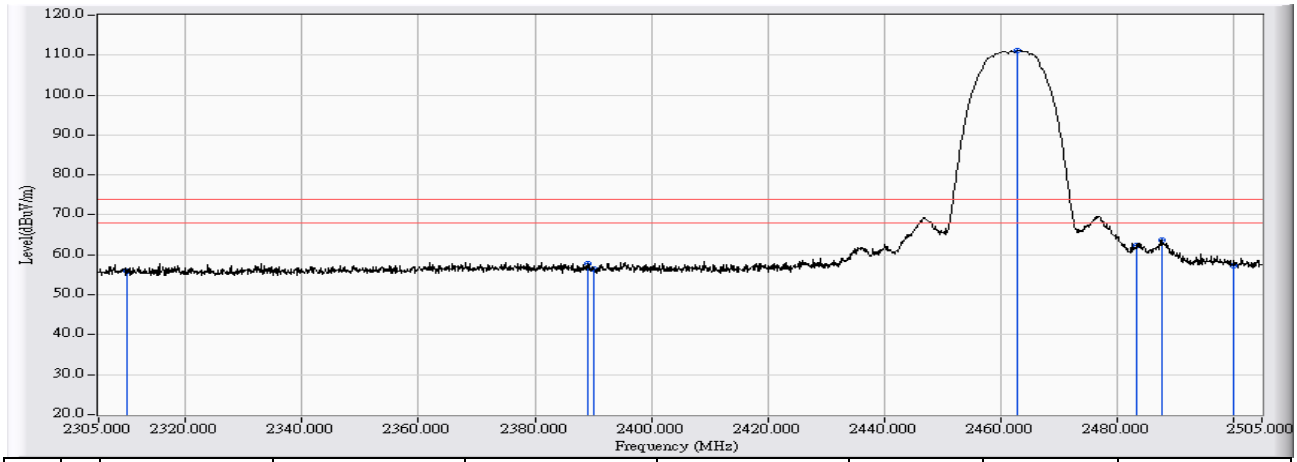


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.366	14.505	42.871	-11.129	54.000	AVERAGE
2		2389.758	28.709	14.713	43.421	-10.579	54.000	AVERAGE
3		2390.000	28.709	14.650	43.359	-10.641	54.000	AVERAGE
4	*	2462.721	29.021	71.759	100.780	46.780	54.000	AVERAGE
5		2483.500	29.110	17.608	46.718	-7.282	54.000	AVERAGE
6		2487.708	29.128	17.963	47.091	-6.909	54.000	AVERAGE
7		2500.000	29.183	15.019	44.201	-9.799	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 : 2015/10/01 - 10:20**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11b_2462MHz**

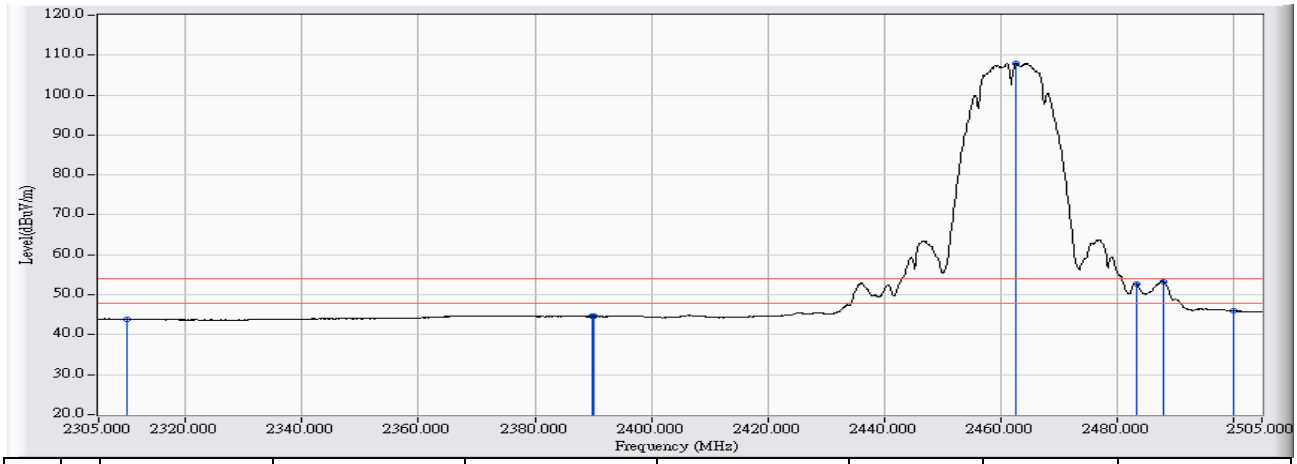


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	29.201	26.623	55.825	-18.175	74.000	PEAK
2		2389.158	29.156	28.630	57.786	-16.214	74.000	PEAK
3		2390.000	29.155	27.313	56.469	-17.531	74.000	PEAK
4	*	2463.021	29.113	82.088	111.201	37.201	74.000	PEAK
5		2483.500	29.102	33.155	62.257	-11.743	74.000	PEAK
6		2487.708	29.099	34.607	63.706	-10.294	74.000	PEAK
7		2500.000	29.094	28.266	57.360	-16.640	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 : 2015/10/01 - 10:21**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11b_2462MHz**

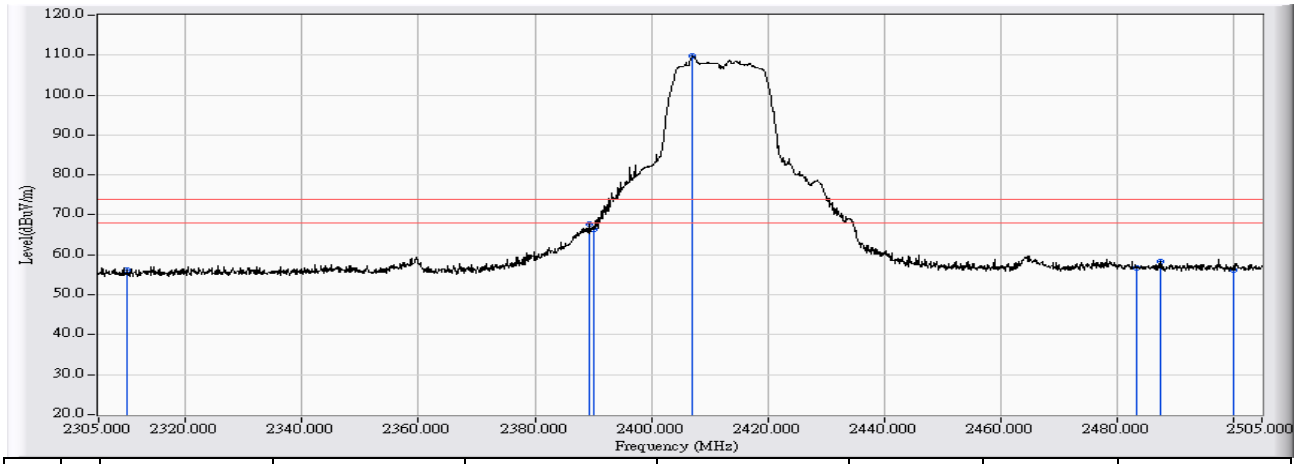


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	29.201	14.665	43.867	-10.133	54.000	AVERAGE
2		2389.758	29.156	15.408	44.564	-9.436	54.000	AVERAGE
3		2390.000	29.155	15.386	44.542	-9.458	54.000	AVERAGE
4	*	2462.721	29.113	78.917	108.031	54.031	54.000	AVERAGE
5		2483.500	29.102	23.558	52.660	-1.340	54.000	AVERAGE
6		2488.009	29.099	24.059	53.158	-0.842	54.000	AVERAGE
7		2500.000	29.094	16.932	46.026	-7.974	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 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 : 2015/10/01 - 13:49**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11g_2412MHz**

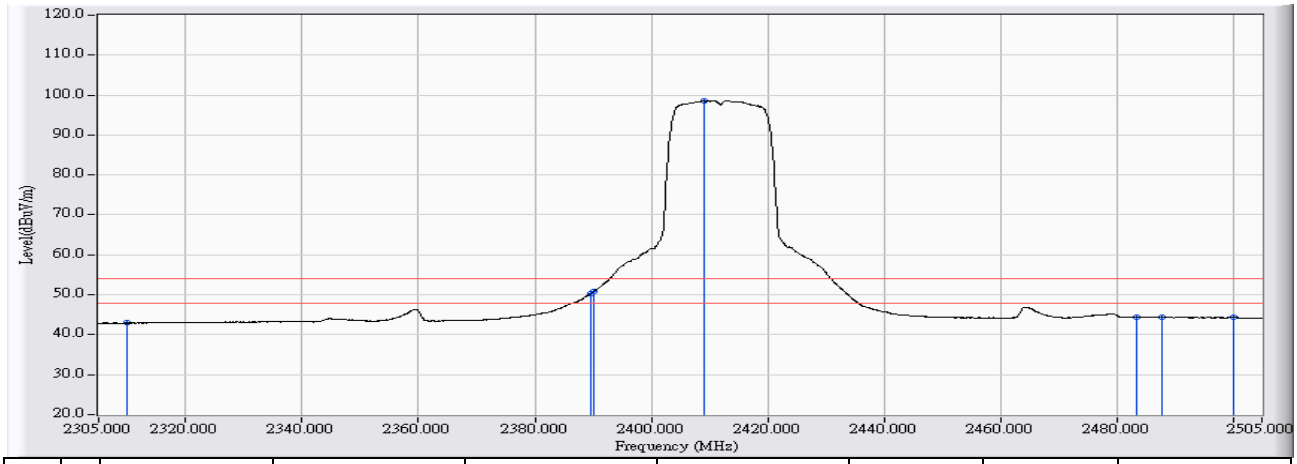


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.366	27.791	56.157	-17.843	74.000	PEAK
2		2389.258	28.706	39.104	67.810	-6.190	74.000	PEAK
3		2390.000	28.709	37.741	66.450	-7.550	74.000	PEAK
4	*	2407.149	28.782	80.908	109.691	35.691	74.000	PEAK
5		2483.500	29.110	27.517	56.627	-17.373	74.000	PEAK
6		2487.509	29.127	29.077	58.204	-15.796	74.000	PEAK
7		2500.000	29.183	27.044	56.226	-17.774	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 : 2015/10/01 - 13:50**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11g_2412MHz**

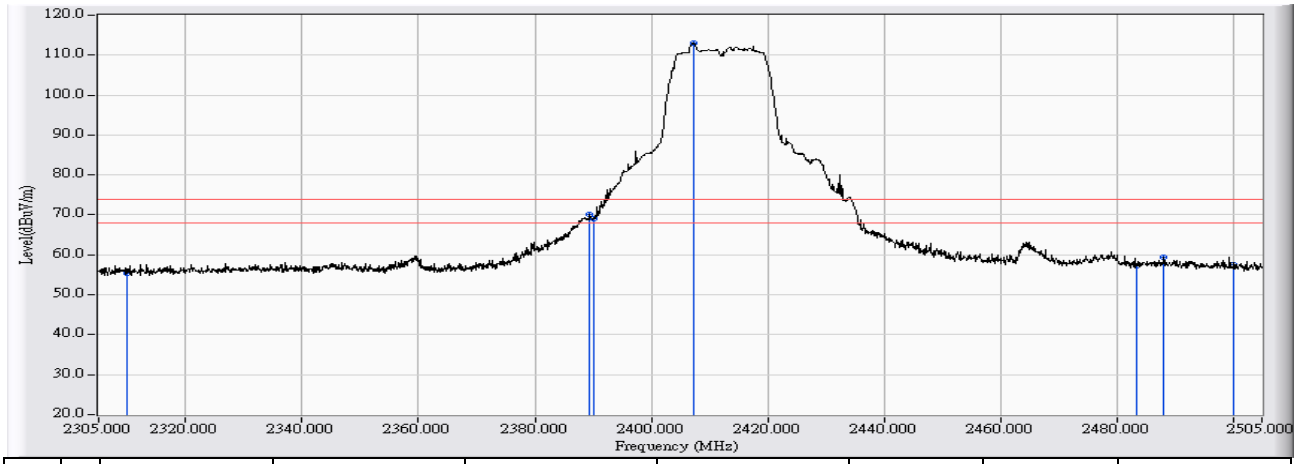


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.366	14.564	42.930	-11.070	54.000	AVERAGE
2		2389.558	28.708	21.517	50.224	-3.776	54.000	AVERAGE
3		2390.000	28.709	22.025	50.734	-3.266	54.000	AVERAGE
4	*	2409.148	28.792	69.735	98.526	44.526	54.000	AVERAGE
5		2483.500	29.110	15.250	44.360	-9.640	54.000	AVERAGE
6		2487.708	29.128	15.279	44.407	-9.593	54.000	AVERAGE
7		2500.000	29.183	15.262	44.444	-9.556	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 : 2015/10/01 - 13:20**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11g_2412MHz**

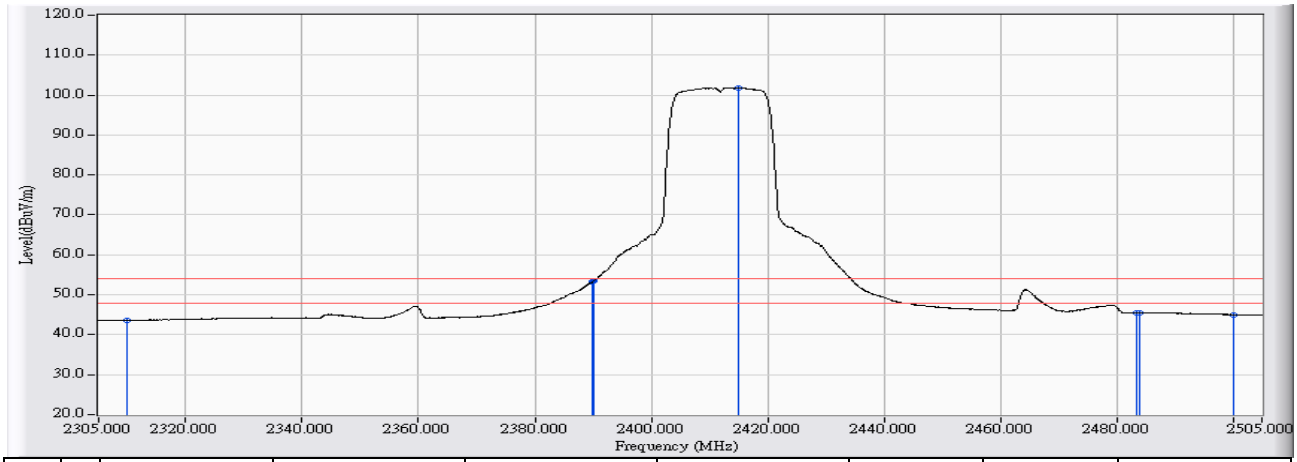


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	29.201	26.153	55.355	-18.645	74.000	PEAK
2		2389.458	29.156	40.918	70.074	-3.926	74.000	PEAK
3		2390.000	29.155	39.981	69.137	-4.863	74.000	PEAK
4	*	2407.249	29.145	83.801	112.947	38.947	74.000	PEAK
5		2483.500	29.102	28.284	57.386	-16.614	74.000	PEAK
6		2488.108	29.099	30.191	59.290	-14.710	74.000	PEAK
7		2500.000	29.094	28.463	57.557	-16.443	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 : 2015/10/01 - 13:19**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11g_2412MHz**

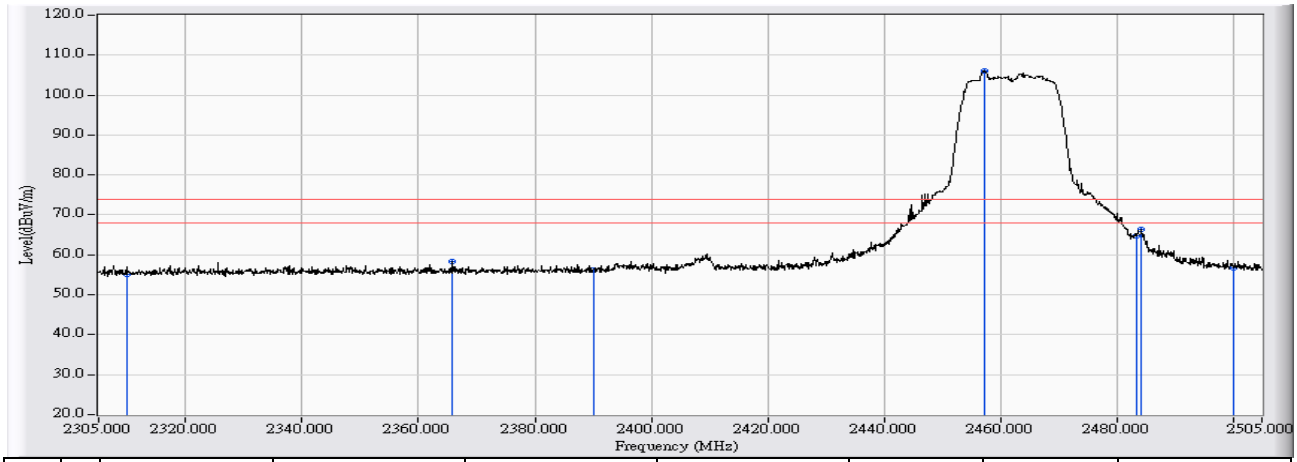


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	29.201	14.433	43.635	-10.365	54.000	AVERAGE
2		2389.857	29.156	24.075	53.231	-0.769	54.000	AVERAGE
3		2390.000	29.155	24.274	53.430	-0.570	54.000	AVERAGE
4	*	2415.045	29.141	72.720	101.861	47.861	54.000	AVERAGE
5		2483.500	29.102	16.322	45.424	-8.576	54.000	AVERAGE
6		2483.910	29.102	16.364	45.465	-8.535	54.000	AVERAGE
7		2500.000	29.094	15.920	45.014	-8.986	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 : 2015/10/01 - 11:26**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11g_2462MHz**

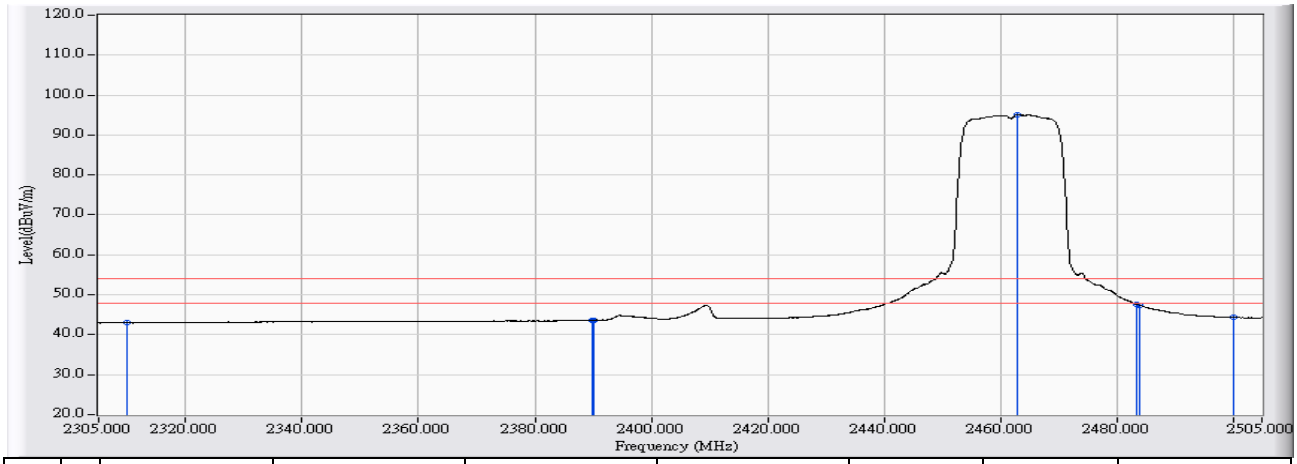


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.366	26.801	55.167	-18.833	74.000	PEAK
2		2365.869	28.605	29.853	58.459	-15.541	74.000	PEAK
3		2390.000	28.709	27.587	56.296	-17.704	74.000	PEAK
4	*	2457.224	28.997	76.993	105.990	31.990	74.000	PEAK
5		2483.500	29.110	35.712	64.822	-9.178	74.000	PEAK
6		2484.310	29.113	37.342	66.456	-7.544	74.000	PEAK
7		2500.000	29.183	27.622	56.804	-17.196	74.000	PEAK

Note:

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

Site : CB1	**Time : 2015/10/01 - 11:27**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11g_2462MHz**

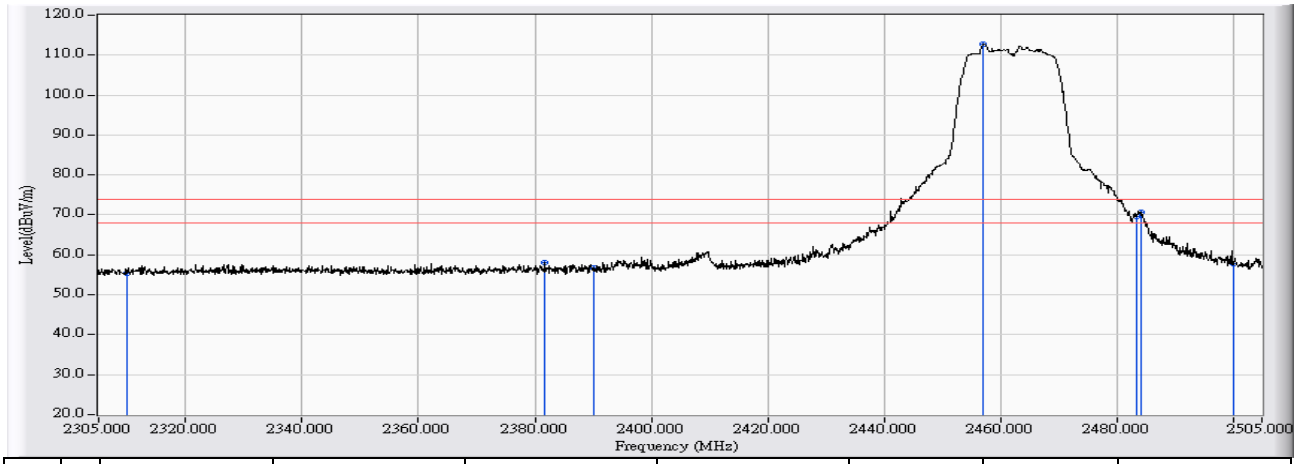


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.366	14.616	42.982	-11.018	54.000	AVERAGE
2		2389.758	28.709	14.905	43.613	-10.387	54.000	AVERAGE
3		2390.000	28.709	14.929	43.638	-10.362	54.000	AVERAGE
4	*	2462.921	29.022	66.016	95.038	41.038	54.000	AVERAGE
5		2483.500	29.110	18.556	47.666	-6.334	54.000	AVERAGE
6		2483.910	29.112	18.343	47.455	-6.545	54.000	AVERAGE
7		2500.000	29.183	15.240	44.422	-9.578	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 : 2015/10/01 - 10:31**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11g_2462MHz**

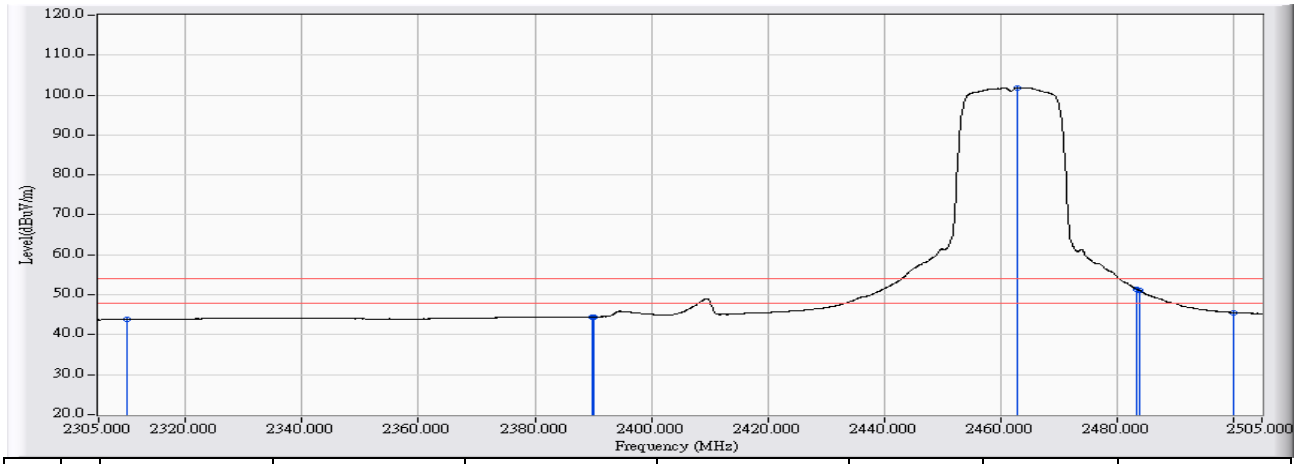


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	29.201	26.188	55.390	-18.610	74.000	PEAK
2		2381.761	29.160	29.025	58.185	-15.815	74.000	PEAK
3		2390.000	29.155	27.440	56.596	-17.404	74.000	PEAK
4	*	2457.124	29.117	83.726	112.843	38.843	74.000	PEAK
5		2483.500	29.102	40.495	69.597	-4.403	74.000	PEAK
6		2484.110	29.102	41.645	70.746	-3.254	74.000	PEAK
7		2500.000	29.094	28.839	57.933	-16.067	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 : 2015/10/01 - 10:32**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11g_2462MHz**

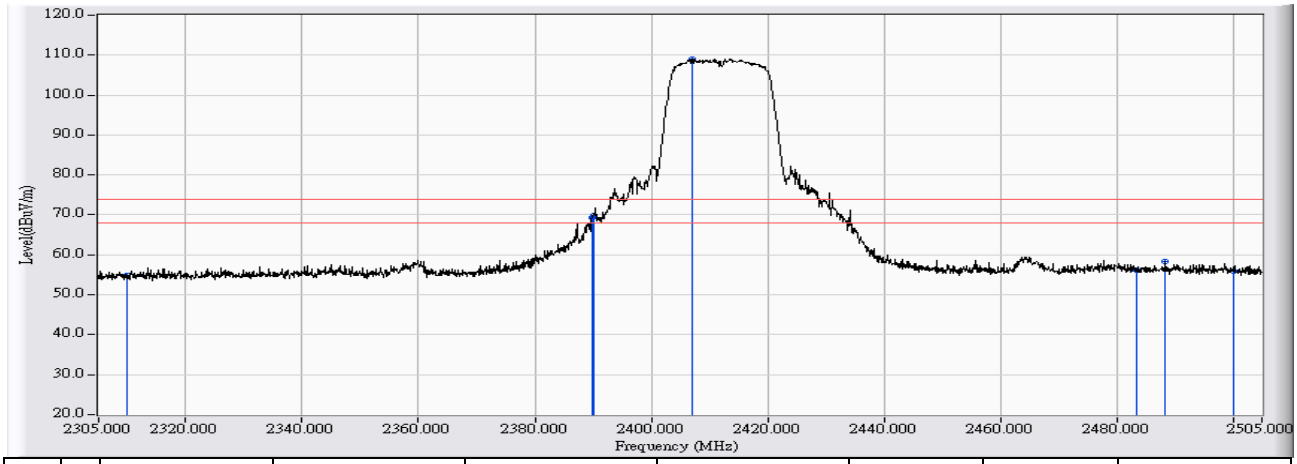


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	29.201	14.560	43.762	-10.238	54.000	AVERAGE
2		2389.758	29.156	15.317	44.473	-9.527	54.000	AVERAGE
3		2390.000	29.155	15.305	44.461	-9.539	54.000	AVERAGE
4	*	2462.821	29.113	72.755	101.869	47.869	54.000	AVERAGE
5		2483.500	29.102	22.288	51.390	-2.610	54.000	AVERAGE
6		2483.910	29.102	21.932	51.033	-2.967	54.000	AVERAGE
7		2500.000	29.094	16.448	45.542	-8.458	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 : 2015/10/01 - 13:46**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(20M)_2412MHz**

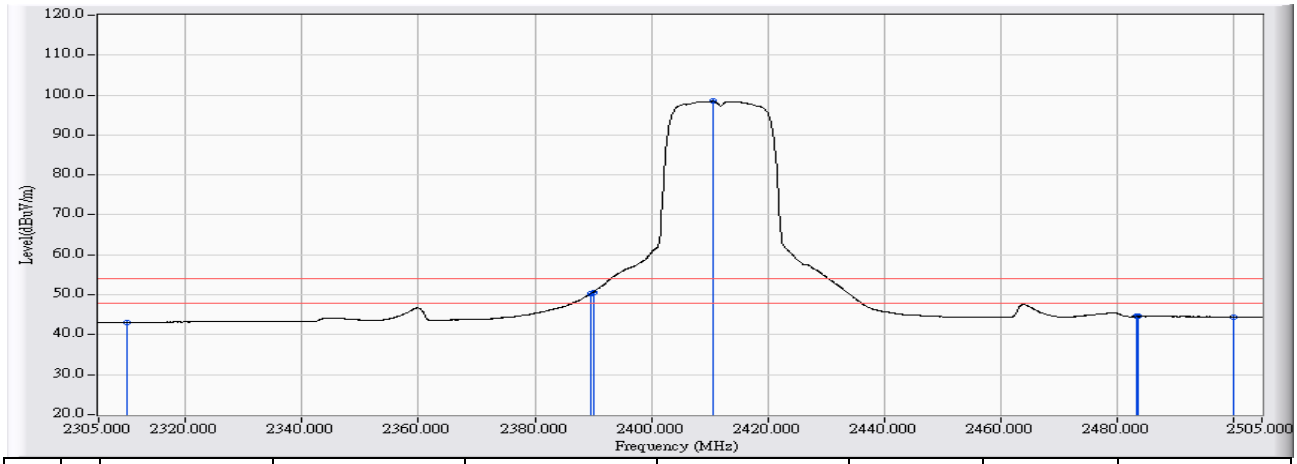


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.366	26.382	54.748	-19.252	74.000	PEAK
2		2389.758	28.709	40.713	69.421	-4.579	74.000	PEAK
3		2390.000	28.709	41.203	69.912	-4.088	74.000	PEAK
4	*	2407.149	28.782	80.196	108.979	34.979	74.000	PEAK
5		2483.500	29.110	27.160	56.270	-17.730	74.000	PEAK
6		2488.308	29.131	29.320	58.451	-15.549	74.000	PEAK
7		2500.000	29.183	26.781	55.963	-18.037	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 : 2015/10/01 - 13:47**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(20M)_2412MHz**

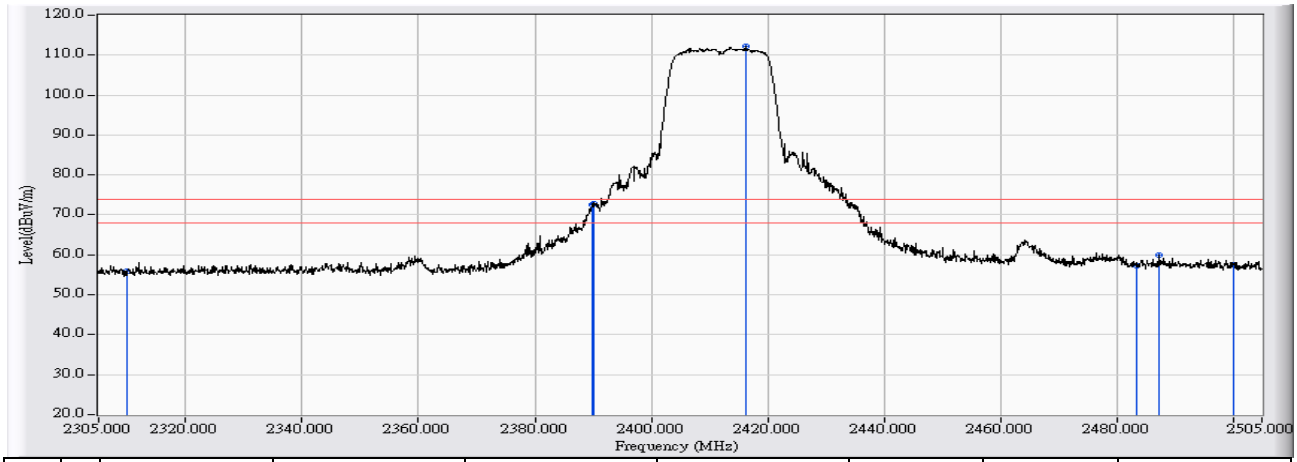


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.366	14.658	43.024	-10.976	54.000	AVERAGE
2		2389.558	28.708	21.615	50.322	-3.678	54.000	AVERAGE
3		2390.000	28.709	21.897	50.606	-3.394	54.000	AVERAGE
4	*	2410.747	28.798	69.646	98.444	44.444	54.000	AVERAGE
5		2483.500	29.110	15.457	44.567	-9.433	54.000	AVERAGE
6		2483.611	29.111	15.422	44.533	-9.467	54.000	AVERAGE
7		2500.000	29.183	15.299	44.481	-9.519	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 : 2015/10/01 - 13:26**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(20M)_2412MHz**

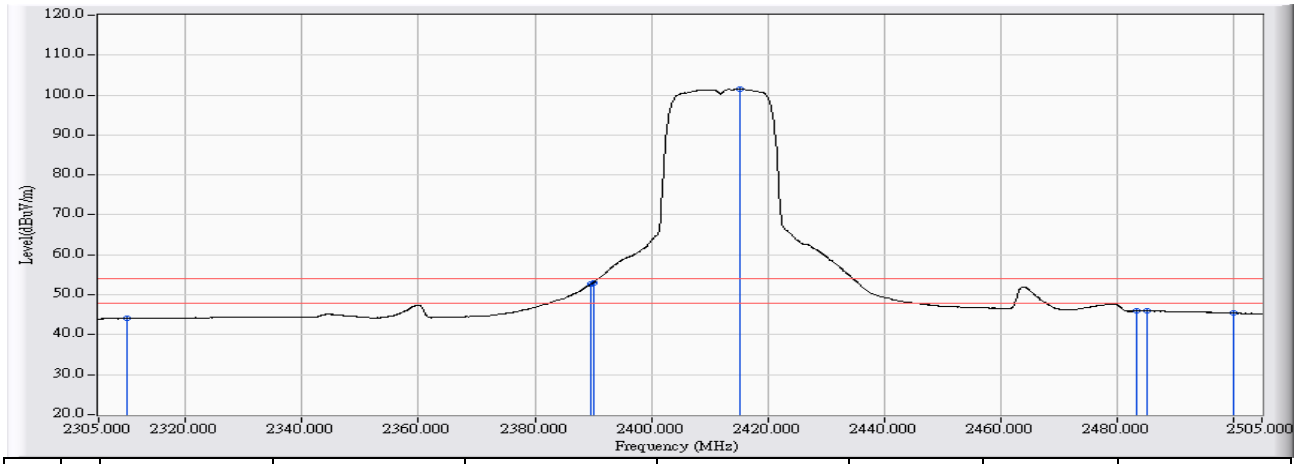


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	29.201	26.703	55.905	-18.095	74.000	PEAK
2		2389.758	29.156	43.291	72.447	-1.553	74.000	PEAK
3		2390.000	29.155	43.619	72.775	-1.225	74.000	PEAK
4	*	2416.244	29.140	82.965	112.105	38.105	74.000	PEAK
5		2483.500	29.102	28.054	57.156	-16.844	74.000	PEAK
6		2487.409	29.099	30.818	59.917	-14.083	74.000	PEAK
7		2500.000	29.094	28.316	57.410	-16.590	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 : 2015/10/01 - 13:26**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(20M)_2412MHz**

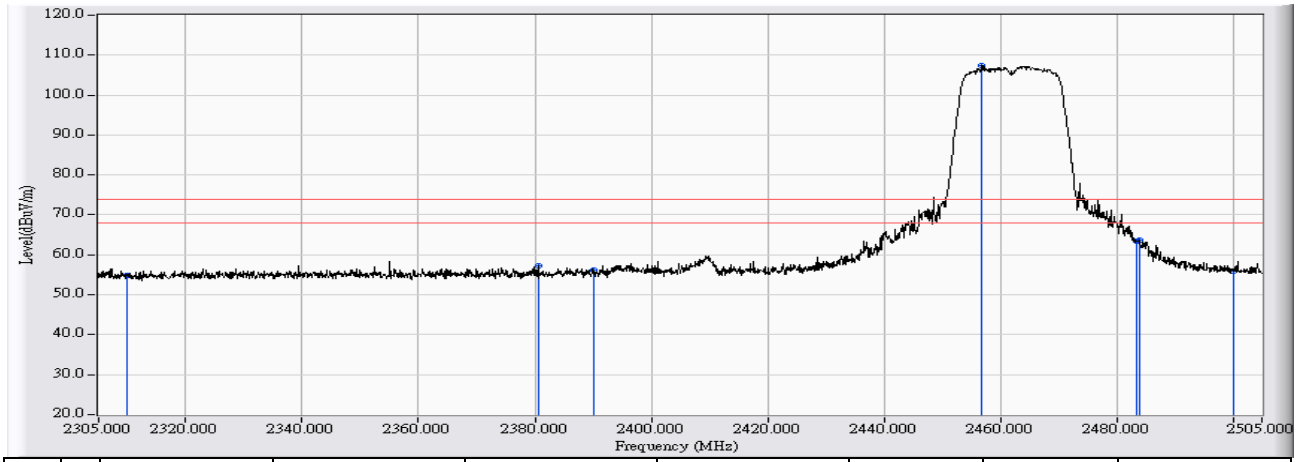


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	29.201	14.853	44.055	-9.945	54.000	AVERAGE
2		2389.658	29.156	23.557	52.713	-1.287	54.000	AVERAGE
3		2390.000	29.155	23.876	53.032	-0.968	54.000	AVERAGE
4	*	2415.145	29.141	72.332	101.473	47.473	54.000	AVERAGE
5		2483.500	29.102	16.832	45.934	-8.066	54.000	AVERAGE
6		2485.210	29.100	16.816	45.917	-8.083	54.000	AVERAGE
7		2500.000	29.094	16.481	45.575	-8.425	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 : 2015/10/01 - 11:16**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(20M)_2462MHz**

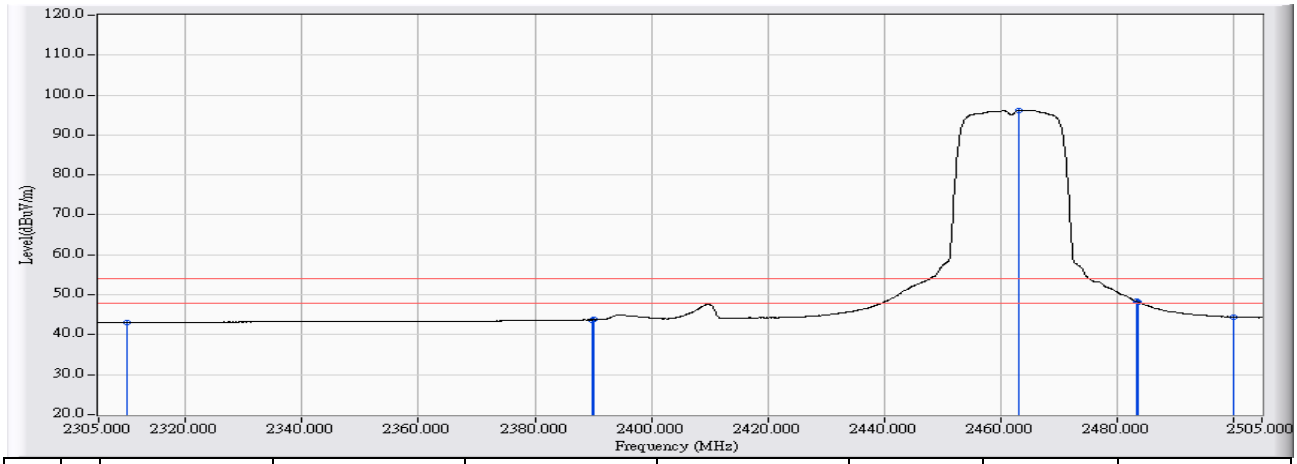


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.366	26.421	54.787	-19.213	74.000	PEAK
2		2380.662	28.669	28.720	57.389	-16.611	74.000	PEAK
3		2390.000	28.709	27.390	56.099	-17.901	74.000	PEAK
4	*	2456.824	28.995	78.328	107.324	33.324	74.000	PEAK
5		2483.500	29.110	34.375	63.485	-10.515	74.000	PEAK
6		2483.910	29.112	34.533	63.645	-10.355	74.000	PEAK
7		2500.000	29.183	26.664	55.846	-18.154	74.000	PEAK

Note:

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

Site : CB1	**Time : 2015/10/01 - 11:17**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(20M)_2462MHz**

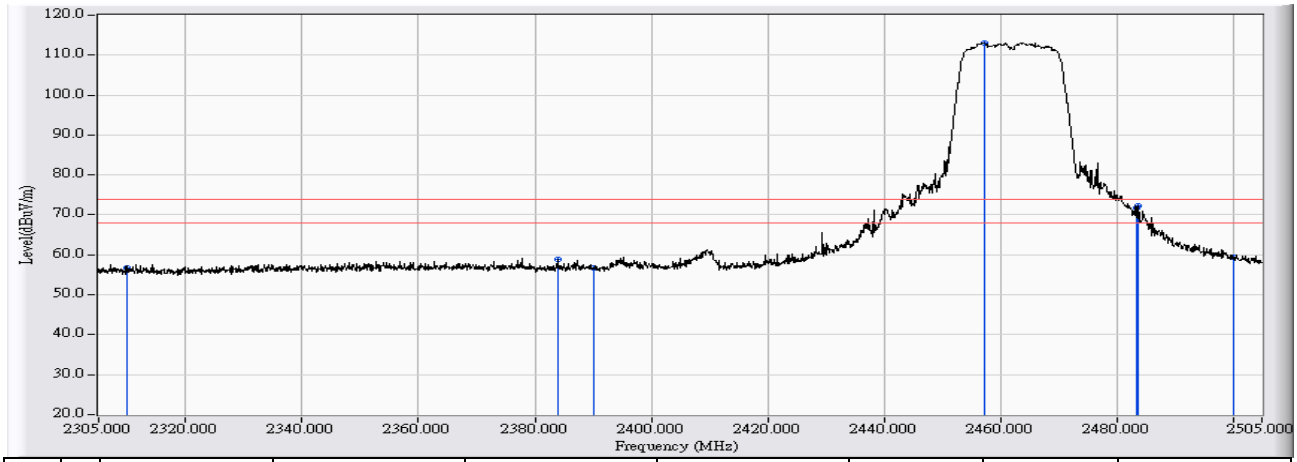


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.366	14.639	43.005	-10.995	54.000	AVERAGE
2		2389.758	28.709	15.013	43.721	-10.279	54.000	AVERAGE
3		2390.000	28.709	15.034	43.743	-10.257	54.000	AVERAGE
4	*	2463.321	29.024	67.168	96.192	42.192	54.000	AVERAGE
5		2483.500	29.110	19.180	48.290	-5.710	54.000	AVERAGE
6		2483.611	29.111	19.134	48.245	-5.755	54.000	AVERAGE
7		2500.000	29.183	15.293	44.475	-9.525	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 : 2015/10/01 - 10:48**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(20M)_2462MHz**

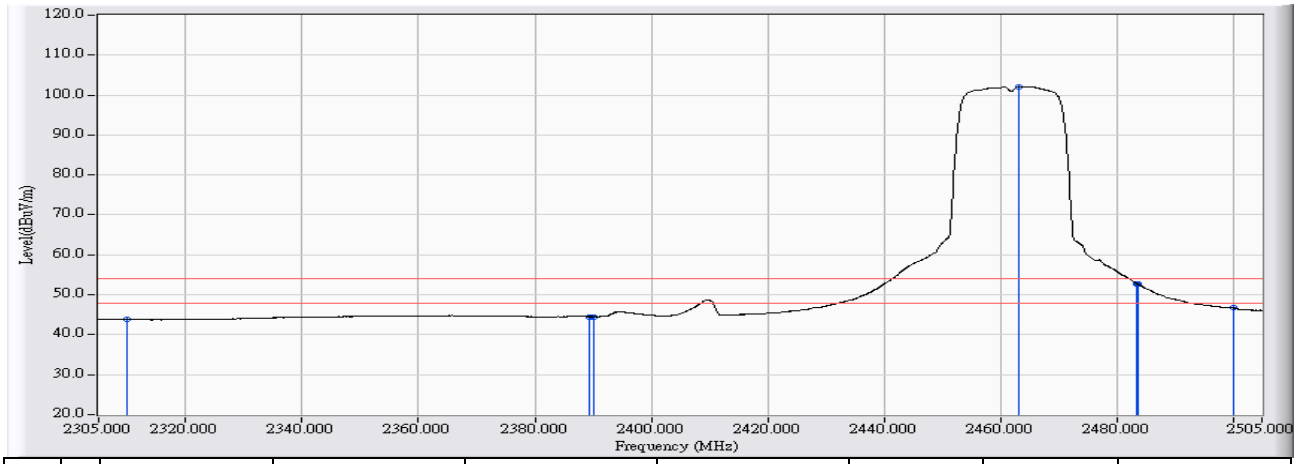


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	29.201	27.510	56.712	-17.288	74.000	PEAK
2		2383.861	29.159	29.802	58.961	-15.039	74.000	PEAK
3		2390.000	29.155	27.566	56.722	-17.278	74.000	PEAK
4	*	2457.224	29.117	84.021	113.138	39.138	74.000	PEAK
5		2483.500	29.102	42.628	71.730	-2.270	74.000	PEAK
6		2483.711	29.102	43.248	72.349	-1.651	74.000	PEAK
7		2500.000	29.094	30.432	59.526	-14.474	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 : 2015/10/01 - 10:48**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(20M)_2462MHz**

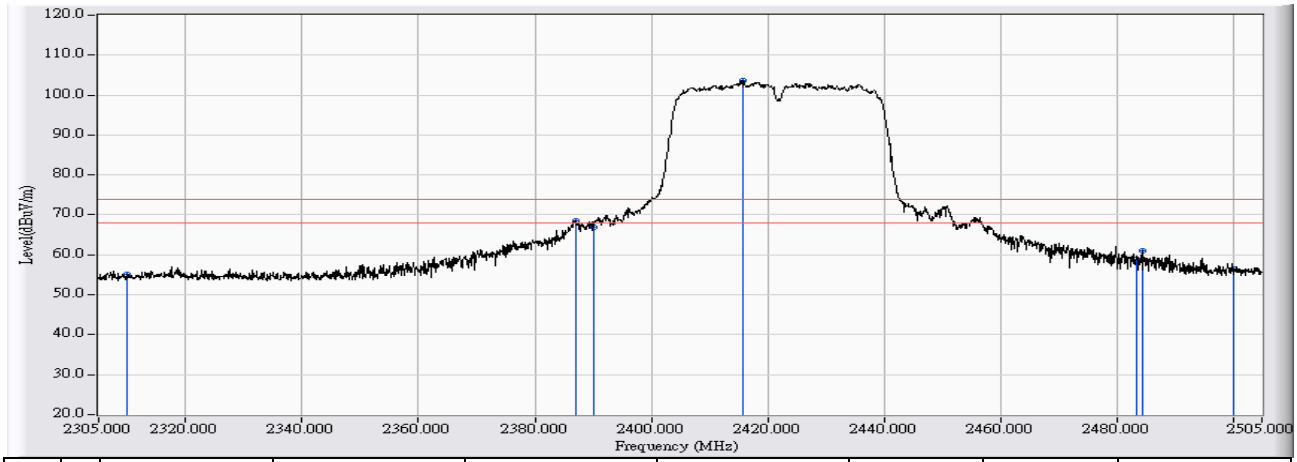


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	29.201	14.590	43.792	-10.208	54.000	AVERAGE
2		2389.258	29.156	15.366	44.522	-9.478	54.000	AVERAGE
3		2390.000	29.155	15.365	44.521	-9.479	54.000	AVERAGE
4	*	2463.321	29.113	72.978	102.091	48.091	54.000	AVERAGE
5		2483.500	29.102	23.707	52.809	-1.191	54.000	AVERAGE
6		2483.611	29.102	23.644	52.746	-1.254	54.000	AVERAGE
7		2500.000	29.094	17.686	46.780	-7.220	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 : 2015/10/01 - 13:41**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(40M)_2422MHz**

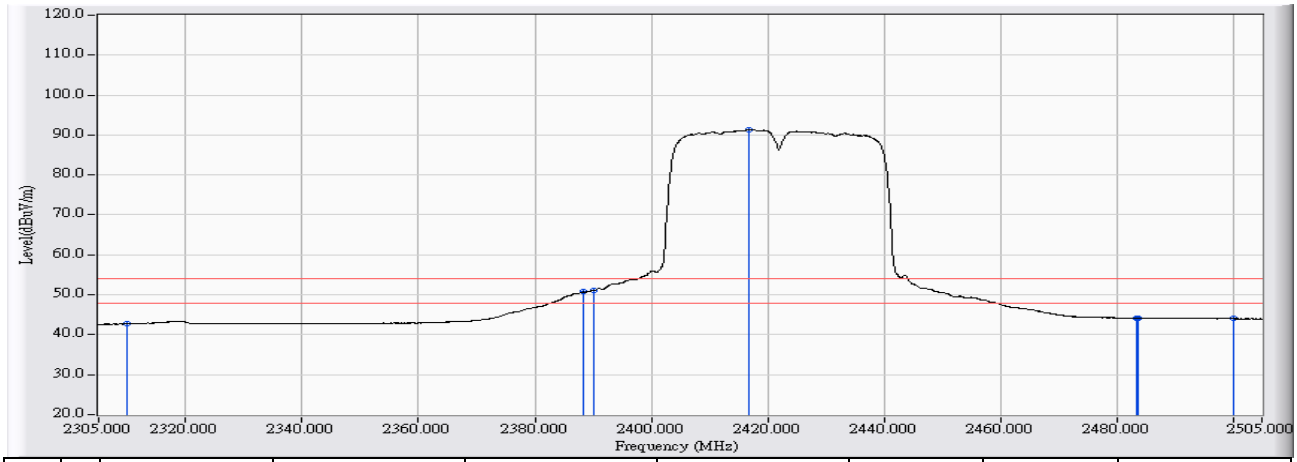


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.366	26.803	55.169	-18.831	74.000	PEAK
2		2387.059	28.697	39.867	68.564	-5.436	74.000	PEAK
3		2390.000	28.709	38.106	66.815	-7.185	74.000	PEAK
4	*	2415.745	28.819	74.778	103.598	29.598	74.000	PEAK
5		2483.500	29.110	29.838	58.948	-15.052	74.000	PEAK
6		2484.610	29.115	31.779	60.894	-13.106	74.000	PEAK
7		2500.000	29.183	27.380	56.562	-17.438	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 : 2015/10/01 - 13:42**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(40M)_2422MHz**

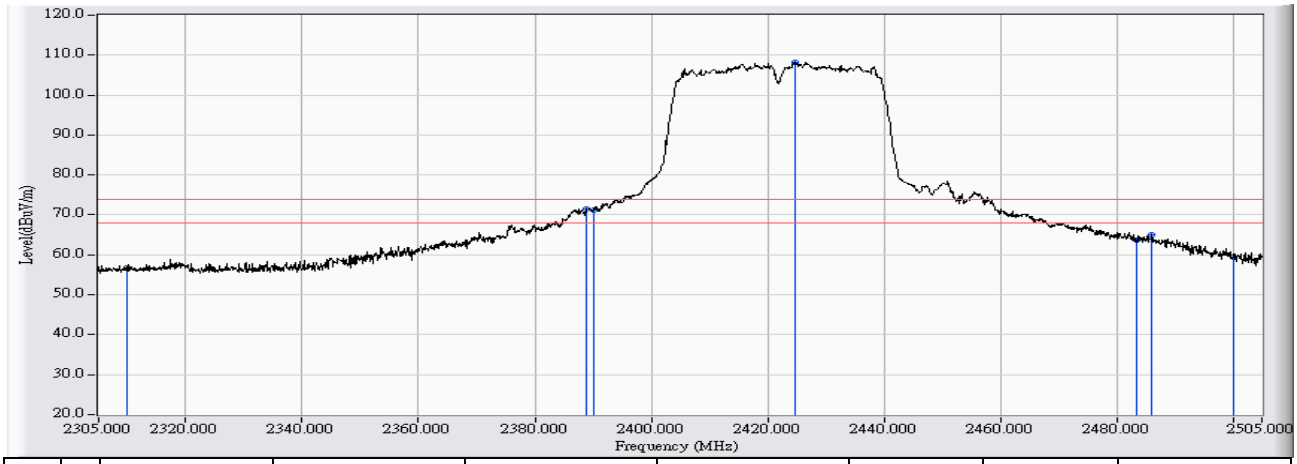


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.366	14.336	42.702	-11.298	54.000	AVERAGE
2		2388.458	28.703	21.998	50.701	-3.299	54.000	AVERAGE
3		2390.000	28.709	22.313	51.022	-2.978	54.000	AVERAGE
4	*	2416.744	28.824	62.483	91.307	37.307	54.000	AVERAGE
5		2483.500	29.110	15.063	44.173	-9.827	54.000	AVERAGE
6		2483.611	29.111	15.039	44.150	-9.850	54.000	AVERAGE
7		2500.000	29.183	14.901	44.083	-9.917	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 : 2015/10/01 - 13:35**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(40M)_2422MHz**

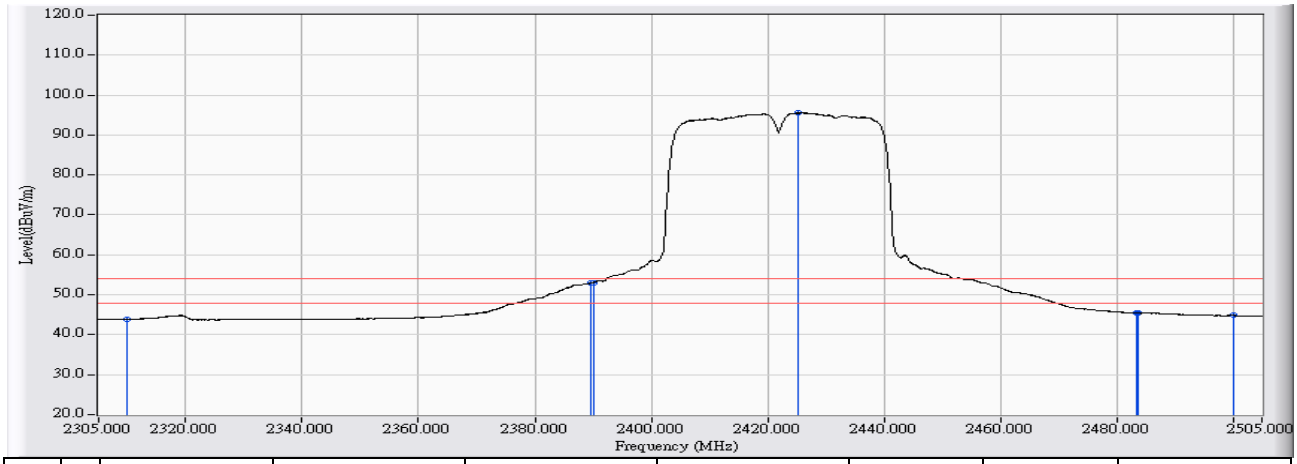


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	29.201	27.660	56.862	-17.138	74.000	PEAK
2		2388.958	29.156	42.384	71.540	-2.460	74.000	PEAK
3		2390.000	29.155	42.110	71.266	-2.734	74.000	PEAK
4	*	2424.640	29.136	79.003	108.139	34.139	74.000	PEAK
5		2483.500	29.102	34.613	63.715	-10.285	74.000	PEAK
6		2486.109	29.100	35.934	65.034	-8.966	74.000	PEAK
7		2500.000	29.094	30.418	59.512	-14.488	74.000	PEAK

Note:

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

Site : CB1	**Time : 2015/10/01 - 13:34**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(40M)_2422MHz**

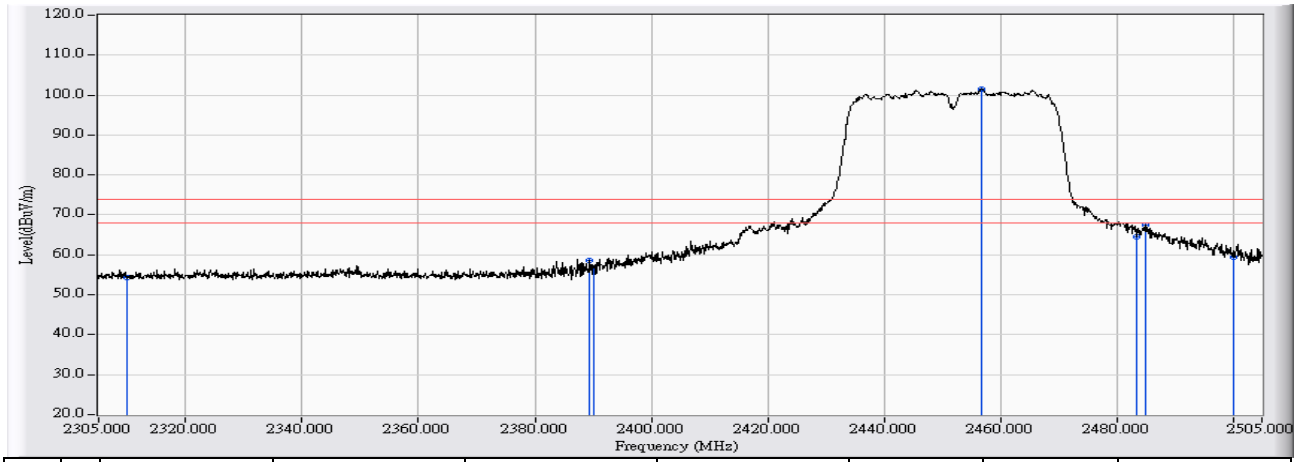


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	29.201	14.641	43.843	-10.157	54.000	AVERAGE
2		2389.558	29.156	23.761	52.917	-1.083	54.000	AVERAGE
3		2390.000	29.155	23.940	53.096	-0.904	54.000	AVERAGE
4	*	2425.240	29.135	66.447	95.582	41.582	54.000	AVERAGE
5		2483.500	29.102	16.289	45.391	-8.609	54.000	AVERAGE
6		2483.611	29.102	16.327	45.429	-8.571	54.000	AVERAGE
7		2500.000	29.094	15.878	44.972	-9.028	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 : 2015/10/01 - 11:08**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(40M)_2452MHz**

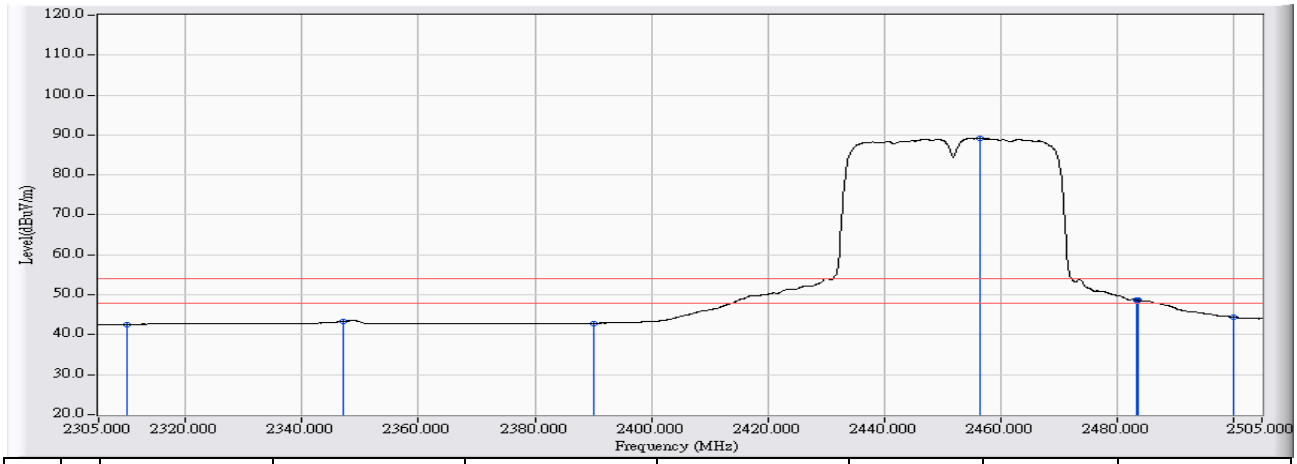


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.366	25.946	54.312	-19.688	74.000	PEAK
2		2389.458	28.707	29.908	58.615	-15.385	74.000	PEAK
3		2390.000	28.709	27.774	56.483	-17.517	74.000	PEAK
4	*	2456.724	28.995	72.544	101.539	27.539	74.000	PEAK
5		2483.500	29.110	35.453	64.563	-9.437	74.000	PEAK
6		2485.110	29.117	38.266	67.383	-6.617	74.000	PEAK
7		2500.000	29.183	30.281	59.463	-14.537	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 : 2015/10/01 - 11:10**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(40M)_2452MHz**

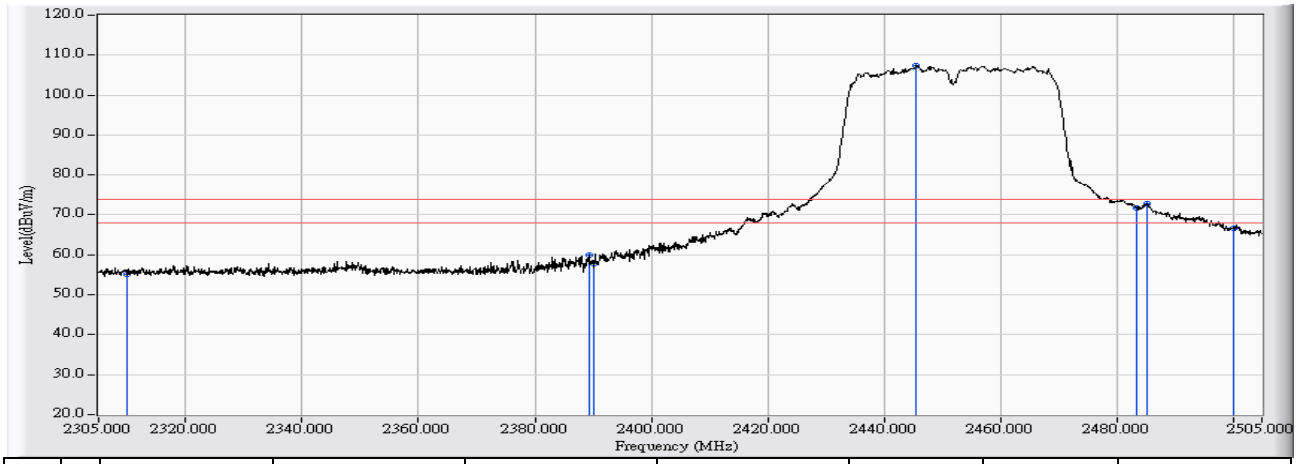


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.366	14.245	42.611	-11.389	54.000	AVERAGE
2		2346.979	28.525	14.825	43.350	-10.650	54.000	AVERAGE
3		2390.000	28.709	14.166	42.875	-11.125	54.000	AVERAGE
4	*	2456.424	28.994	60.171	89.165	35.165	54.000	AVERAGE
5		2483.500	29.110	19.565	48.675	-5.325	54.000	AVERAGE
6		2483.611	29.111	19.482	48.593	-5.407	54.000	AVERAGE
7		2500.000	29.183	15.296	44.478	-9.522	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 : 2015/10/01 - 11:00**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(40M)_2452MHz**

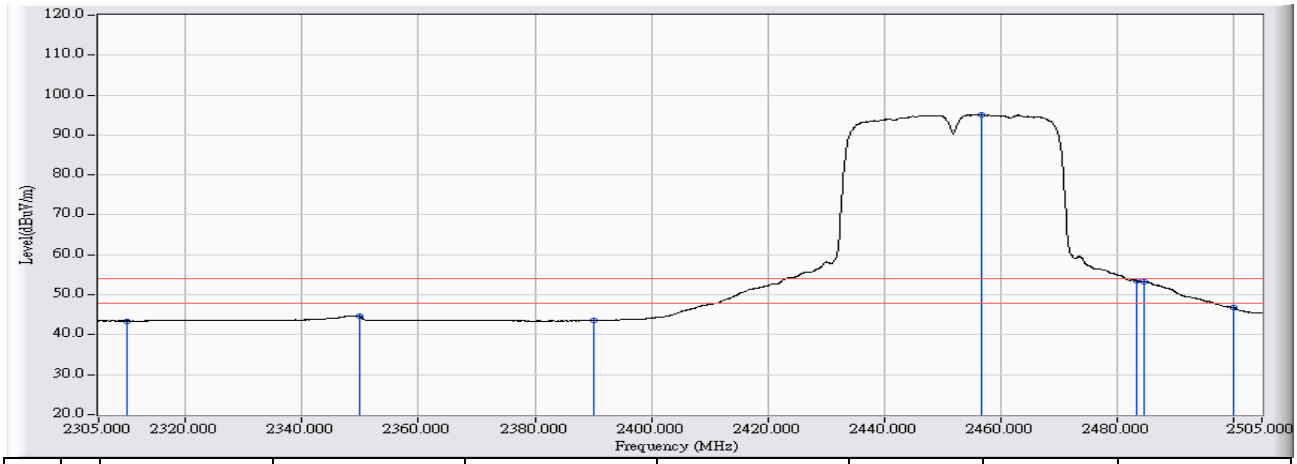


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	29.201	25.814	55.016	-18.984	74.000	PEAK
2		2389.358	29.156	30.710	59.866	-14.134	74.000	PEAK
3		2390.000	29.155	28.630	57.786	-16.214	74.000	PEAK
4	*	2445.630	29.123	78.174	107.297	33.297	74.000	PEAK
5		2483.500	29.102	42.651	71.753	-2.247	74.000	PEAK
6		2485.310	29.100	43.645	72.746	-1.254	74.000	PEAK
7		2500.000	29.094	37.566	66.660	-7.340	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 : 2015/10/01 - 10:59**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Mesh WiFi AP	**Note : 802.11n(40M)_2452MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	29.201	14.230	43.432	-10.568	54.000	AVERAGE
2		2349.778	29.179	15.352	44.531	-9.469	54.000	AVERAGE
3		2390.000	29.155	14.378	43.534	-10.466	54.000	AVERAGE
4	*	2456.824	29.117	66.005	95.122	41.122	54.000	AVERAGE
5		2483.500	29.102	24.368	53.470	-0.530	54.000	AVERAGE
6		2484.710	29.101	24.113	53.214	-0.786	54.000	AVERAGE
7		2500.000	29.094	17.792	46.886	-7.114	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. DTS Occupied Bandwidth

7.1. Test Equipment

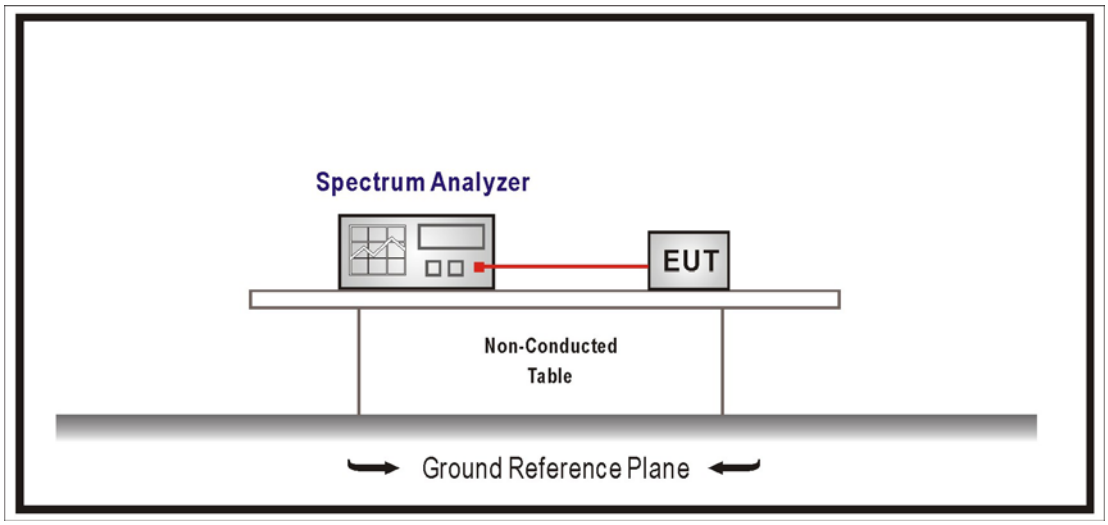
The following test equipments are used during the test:

DTS Occupied Bandwidth / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2016/07/13

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 C63.10:2013; tested procedure section 8.1 of KDB558074 v03r02 for compliance to FCC 47CFR 15.247 requirements. Set RBW = 100KHz, Set the 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: 2014

7.6. Uncertainty

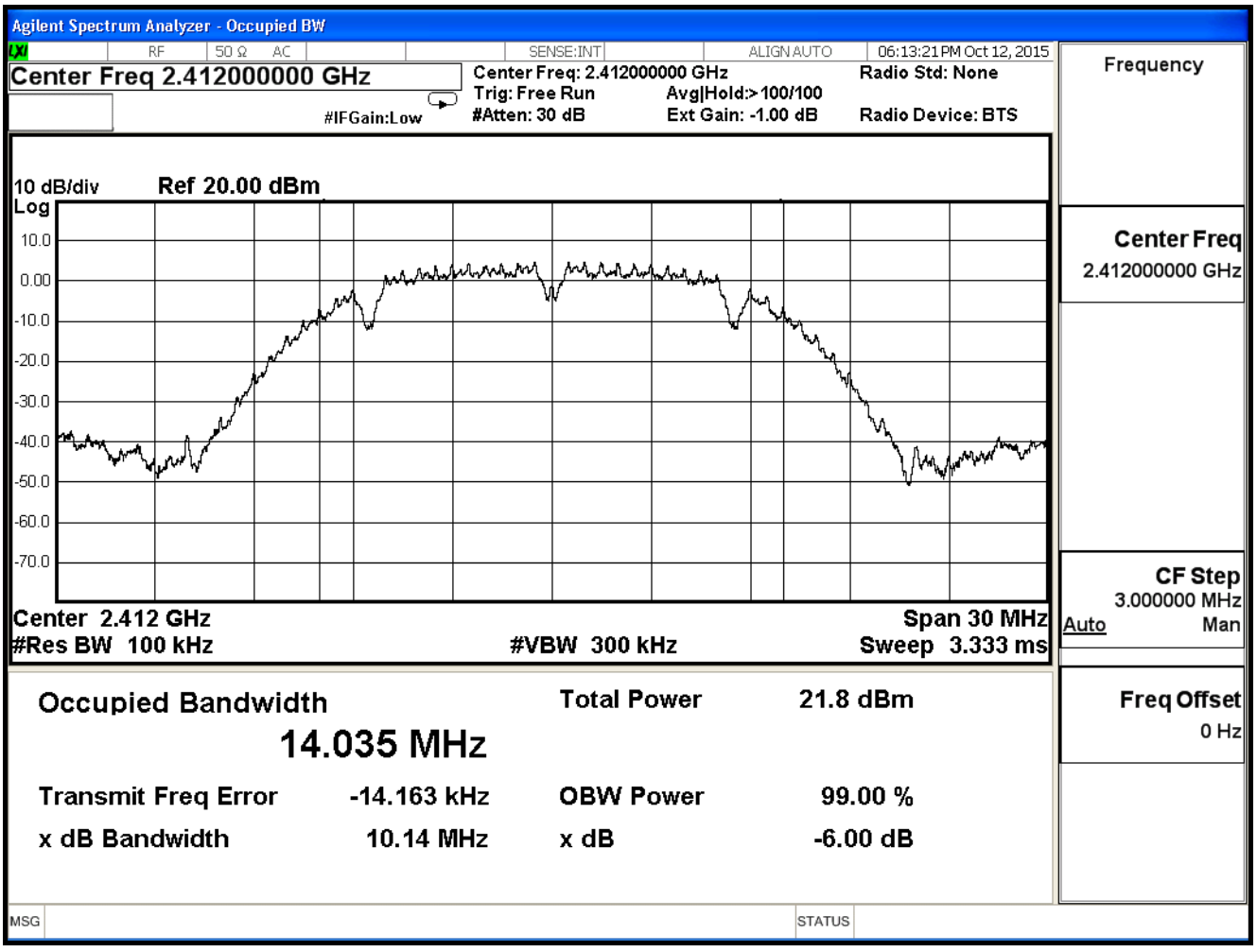
The measurement uncertainty is defined as ±150Hz

7.7. Test Result

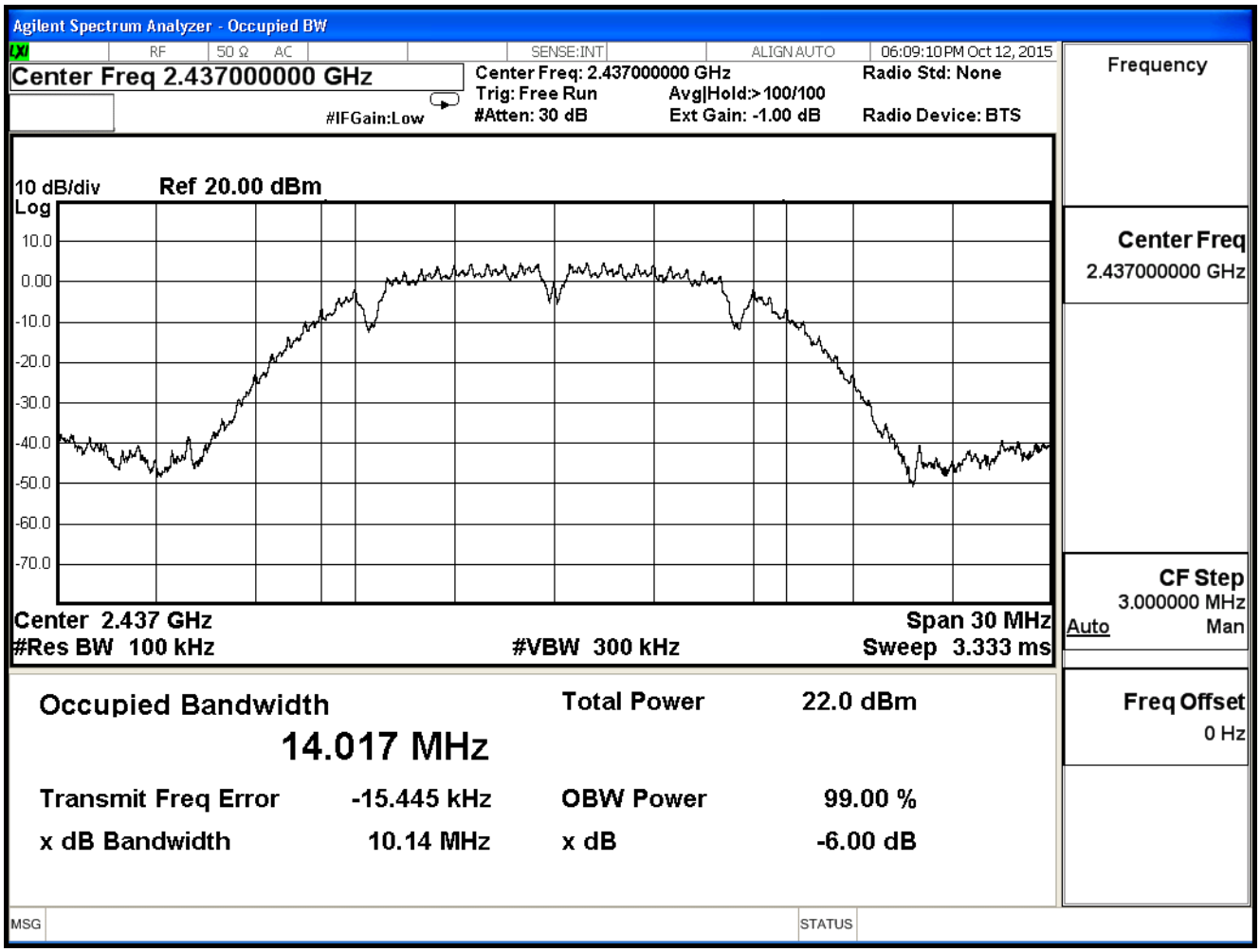
Product	Mesh WiFi AP		
Test Item	DTS Occupied Bandwidth		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2015/10/12	Test Site	SR7

802.11 b (ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	10.140	≧0.5	Pass
6	2437	10.140	≧0.5	Pass
11	2462	10.120	≧0.5	Pass

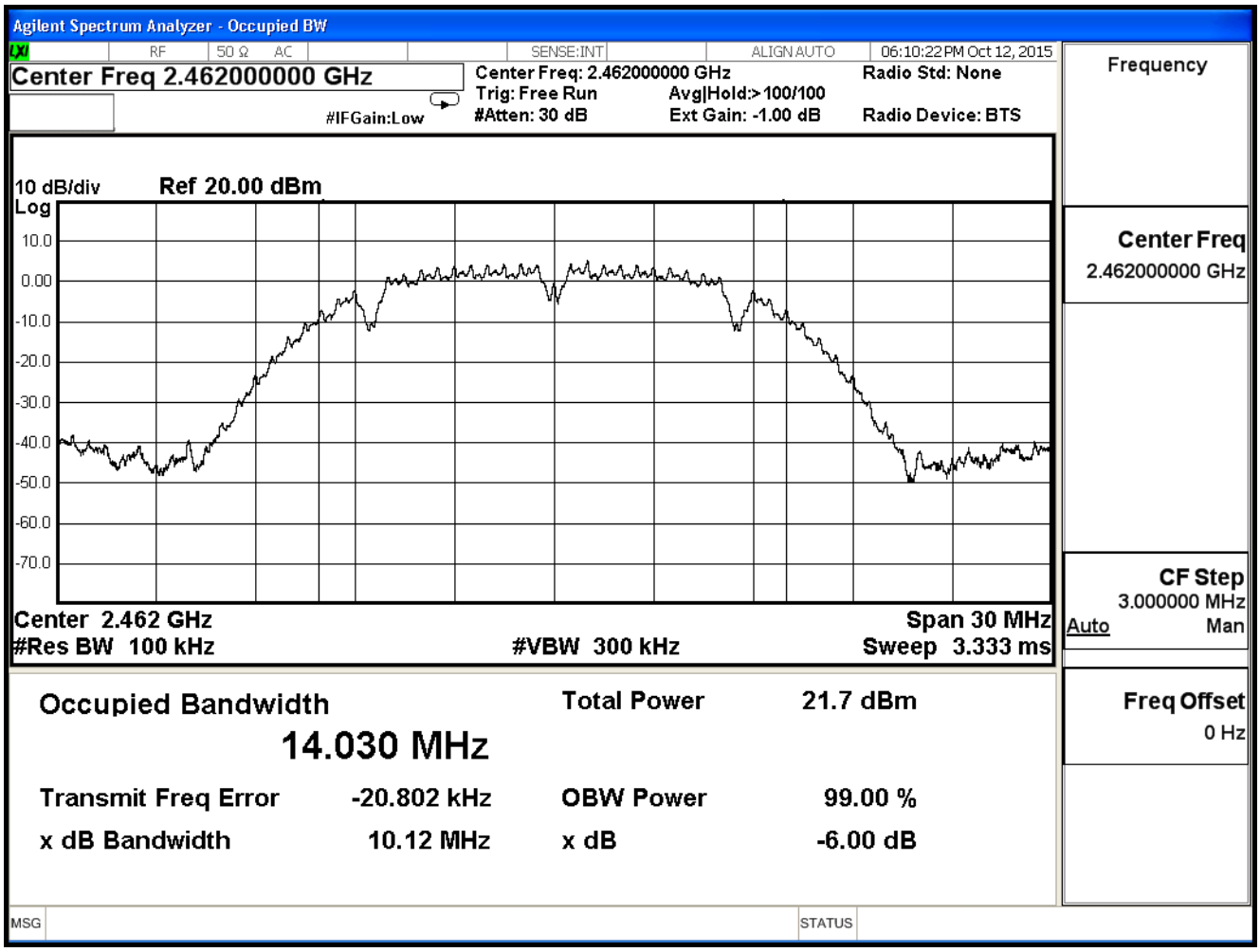
Channel 1 (2412MHz)



Channel 6 (2437MHz)



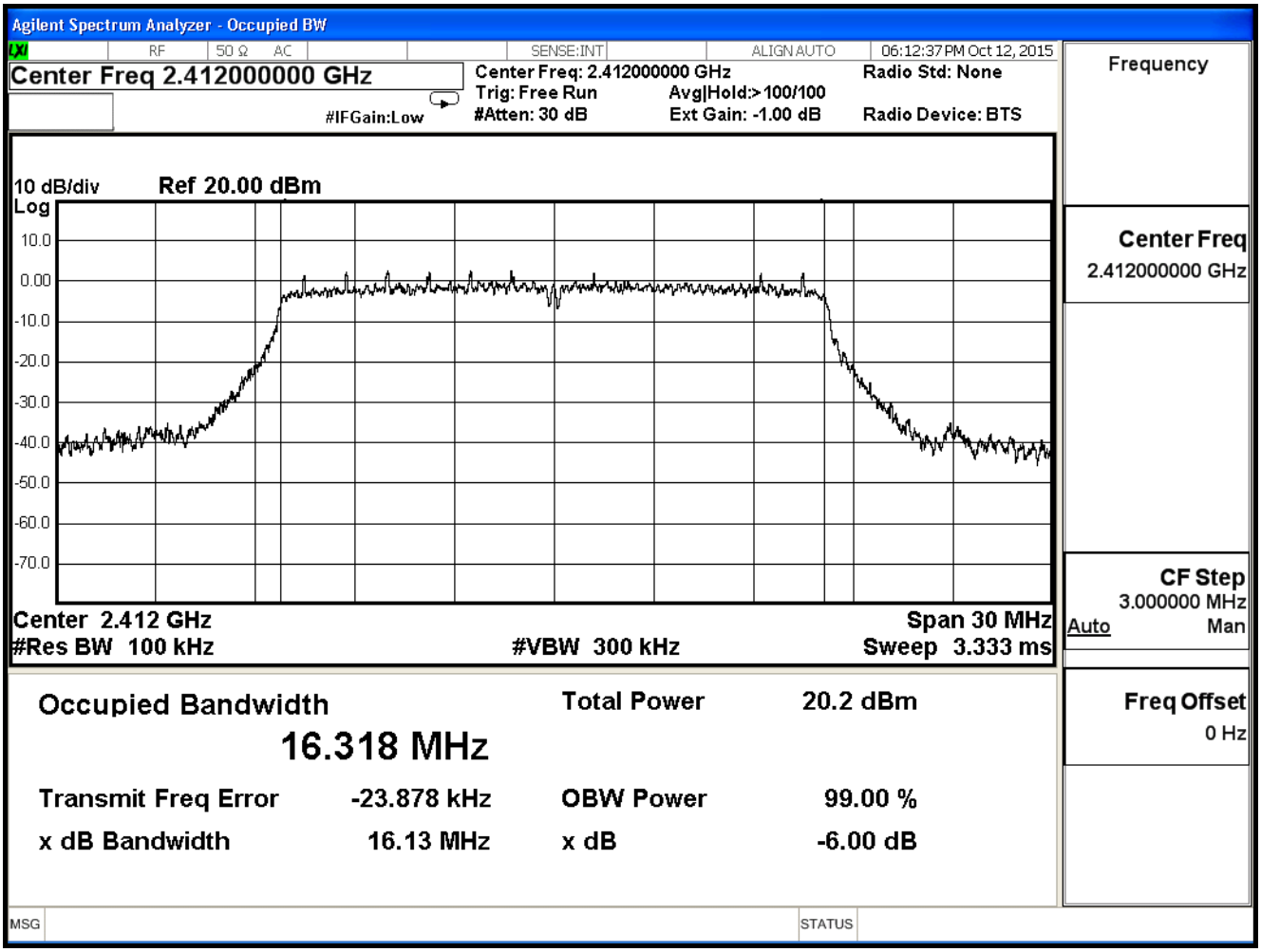
Channel 11 (2462MHz)



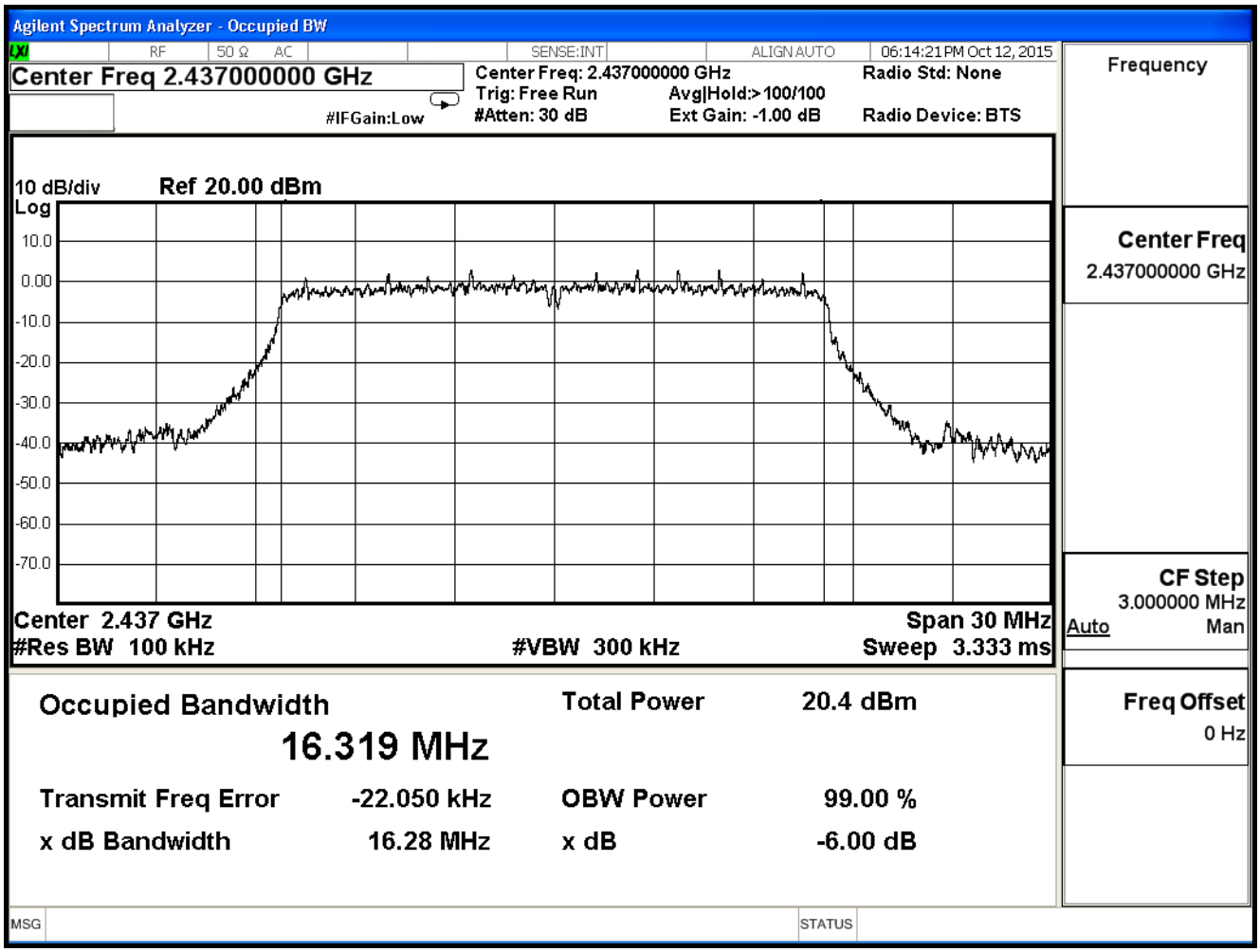
Product	Mesh WiFi AP		
Test Item	DTS Occupied Bandwidth		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2015/10/12	Test Site	SR7

IEEE 802.11g (ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	16.130	≧0.5	Pass
6	2437	16.280	≧0.5	Pass
11	2462	15.810	≧0.5	Pass

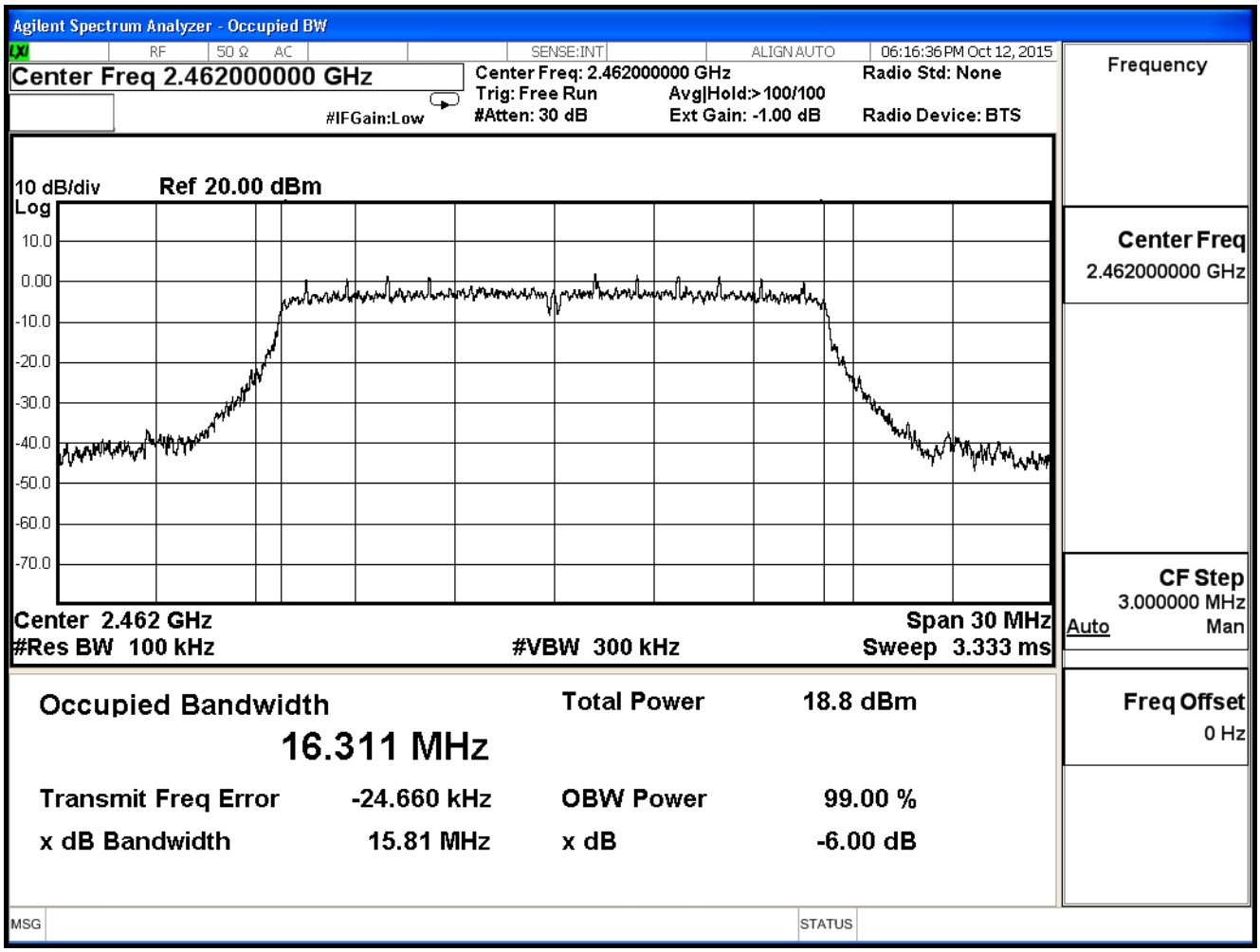
Channel 1 (2412MHz)



Channel 6 (2437MHz)



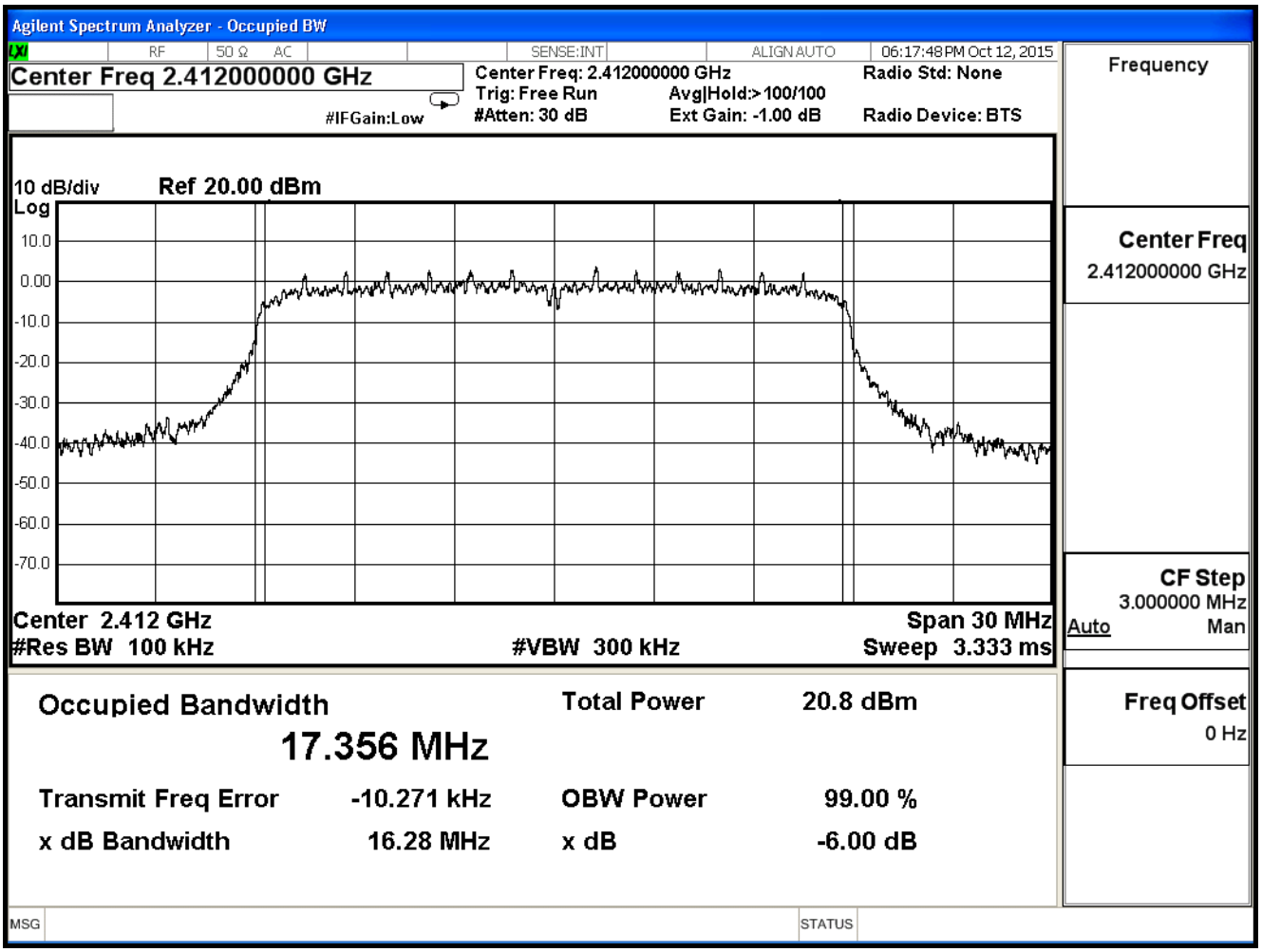
Channel 11 (2462MHz)



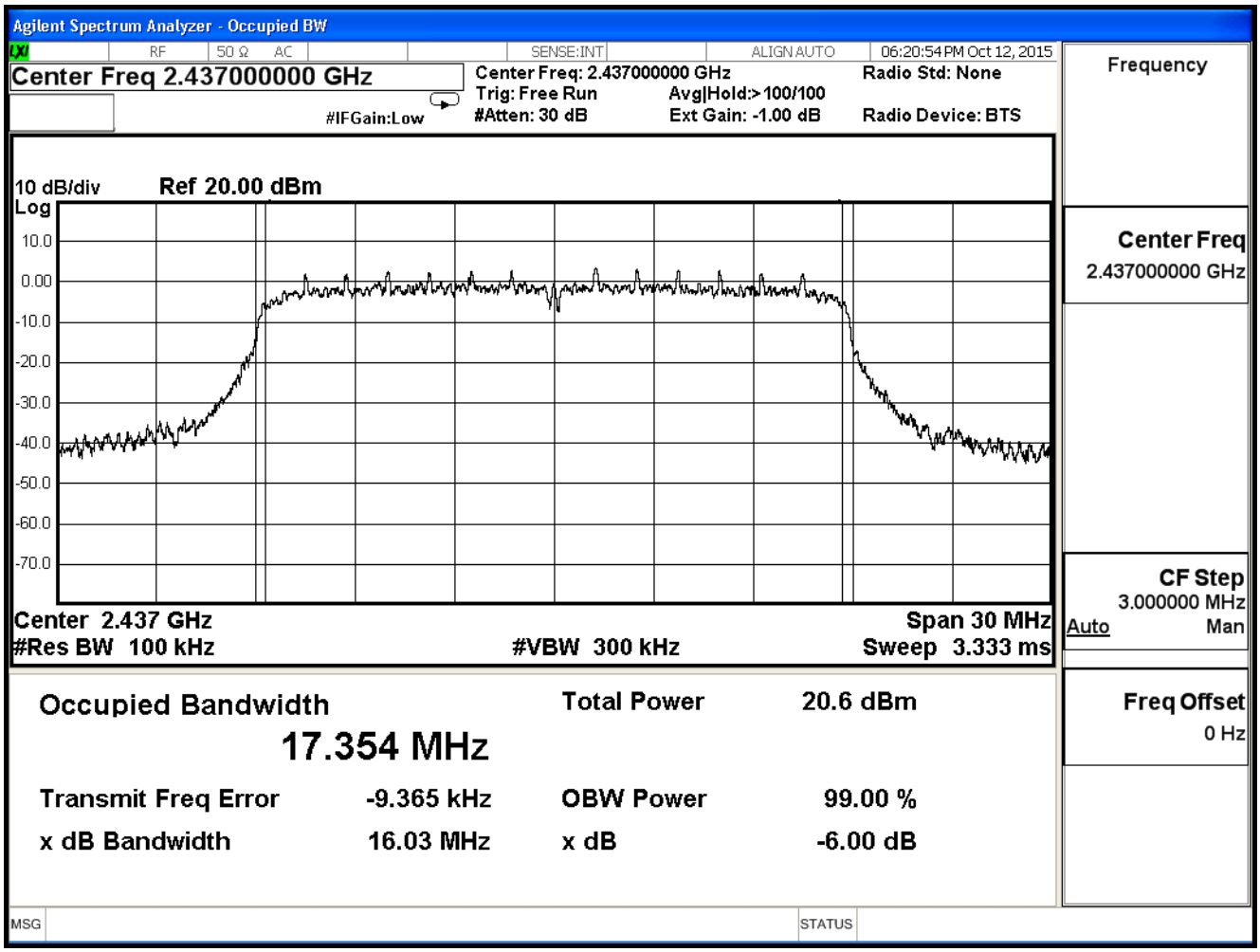
Product	Mesh WiFi AP		
Test Item	DTS Occupied Bandwidth		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2015/10/12	Test Site	SR7

IEEE 802.11n (20MHz) (ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	16.280	≧0.5	Pass
6	2437	16.030	≧0.5	Pass
11	2462	16.260	≧0.5	Pass

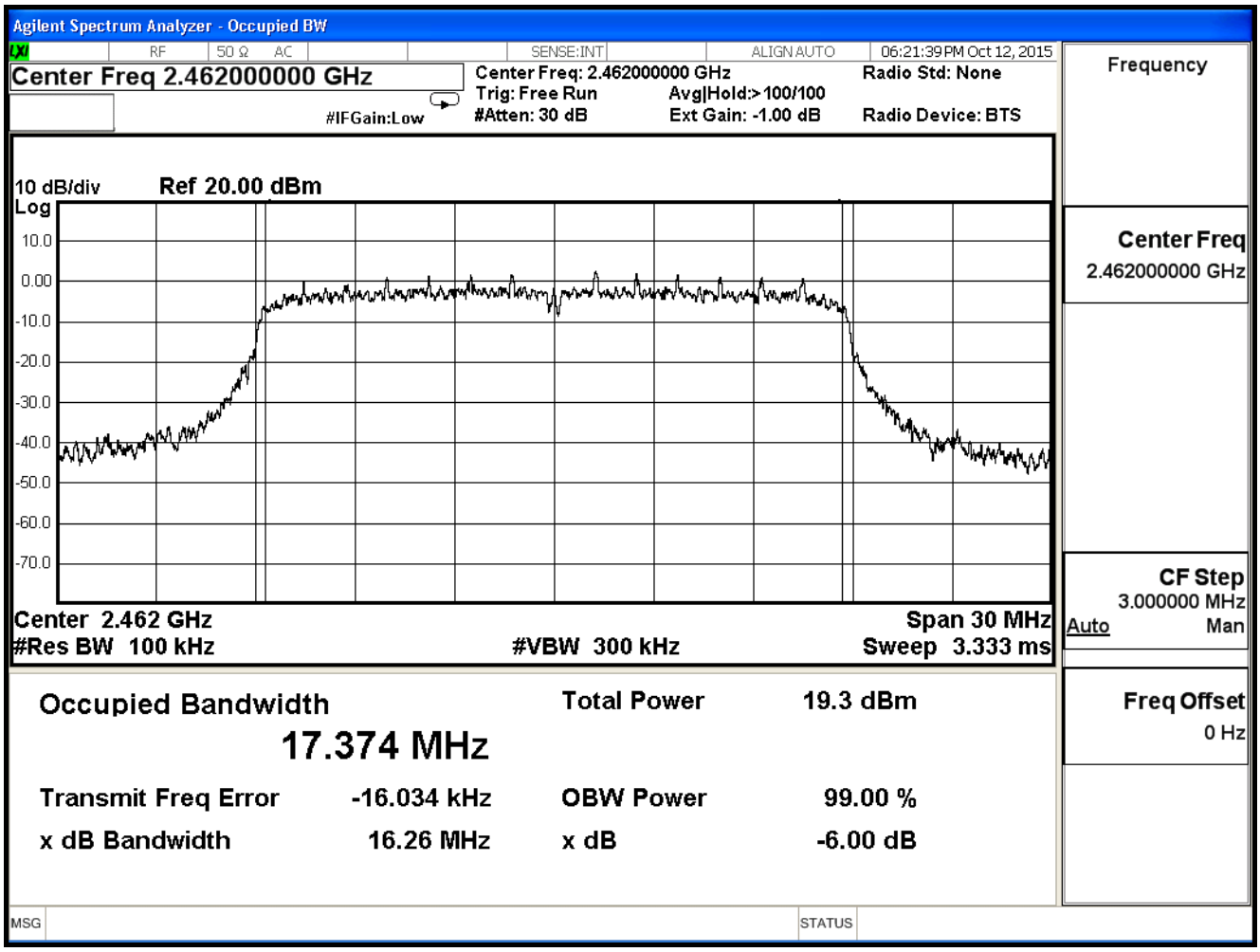
Channel 1 (2412MHz)



Channel 6 (2437MHz)



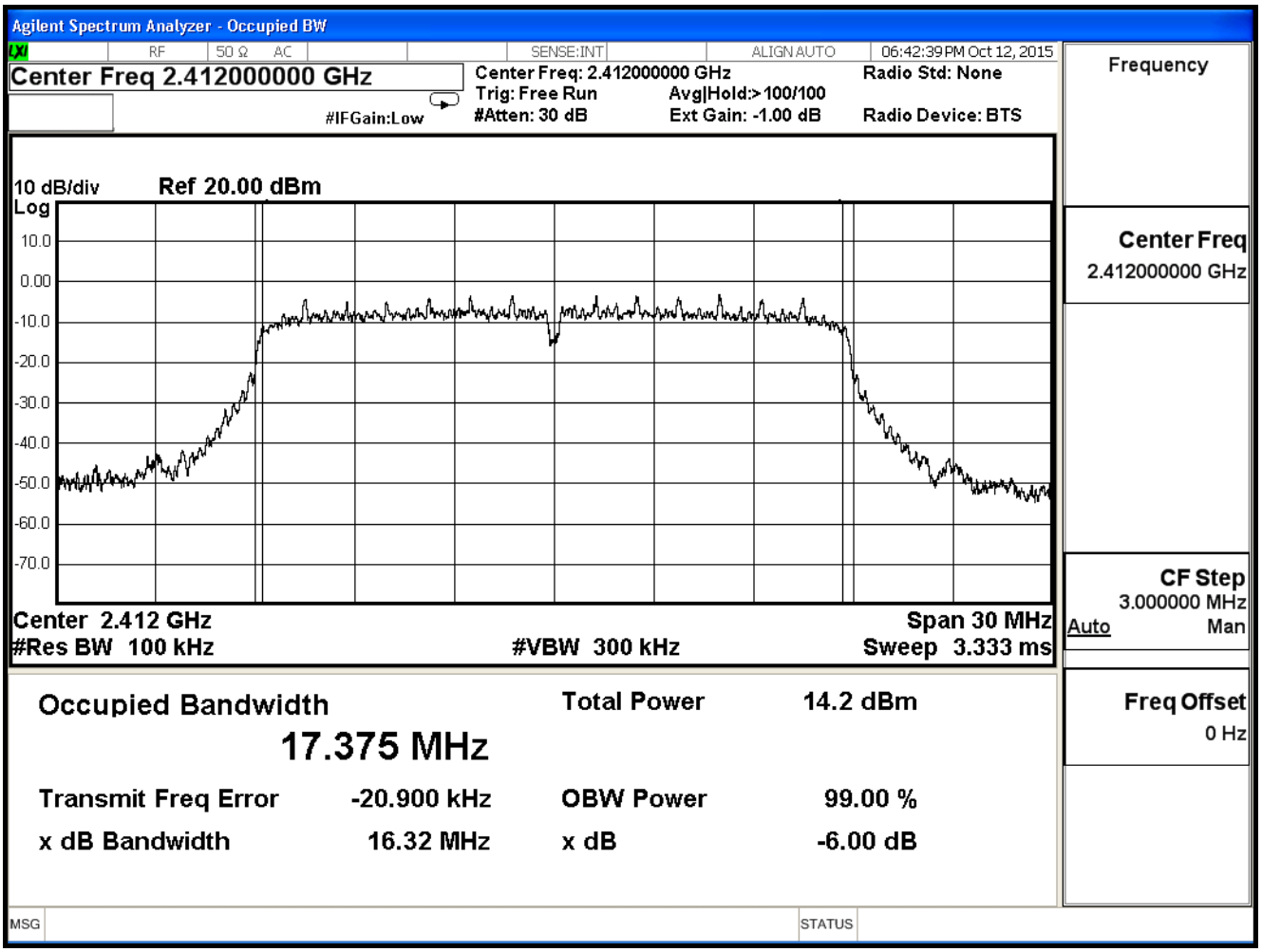
Channel 11 (2462MHz)



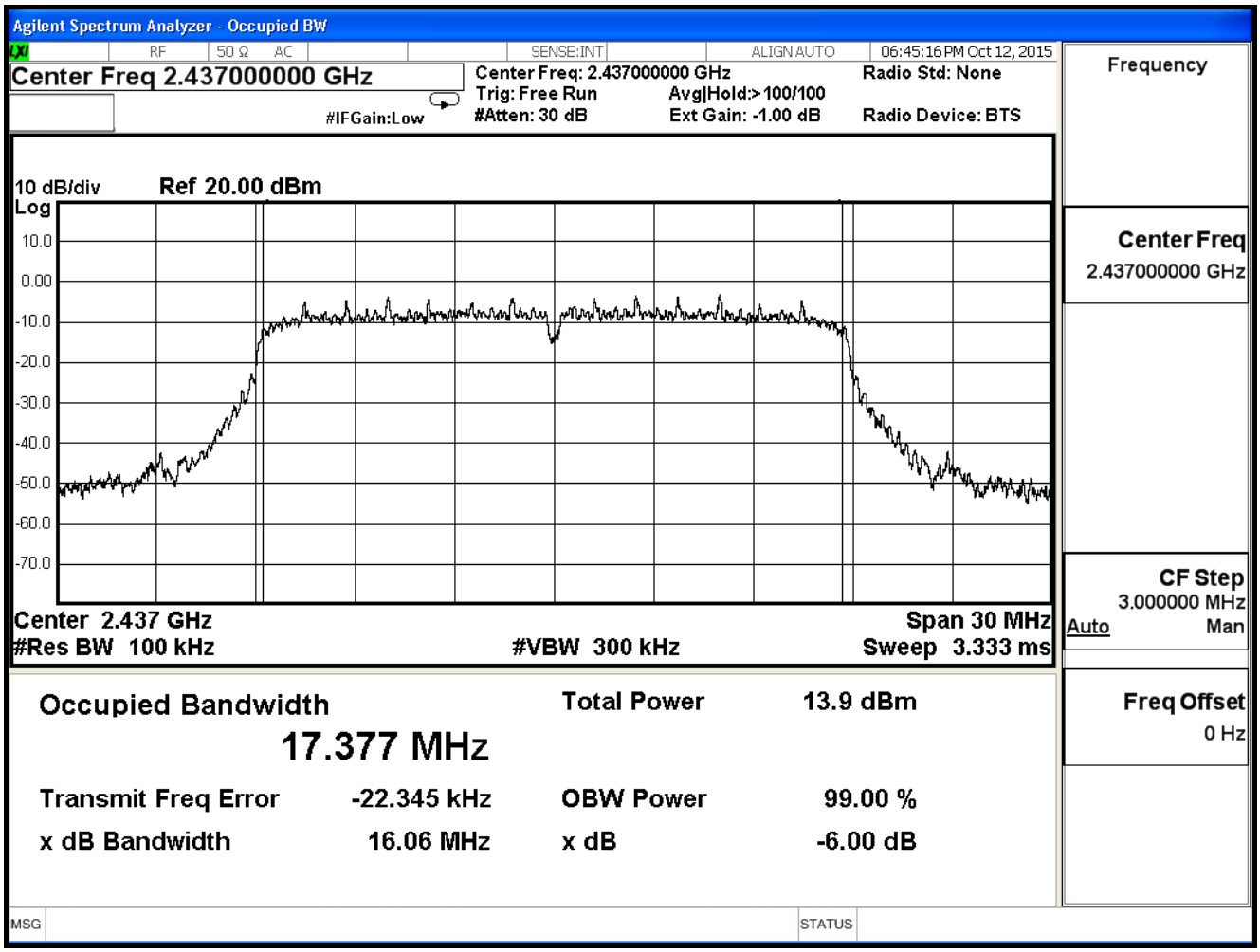
Product	Mesh WiFi AP		
Test Item	DTS Occupied Bandwidth		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2015/10/12	Test Site	SR7

IEEE 802.11n (20MHz) (ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	16.320	≧0.5	Pass
6	2437	16.060	≧0.5	Pass
11	2462	16.300	≧0.5	Pass

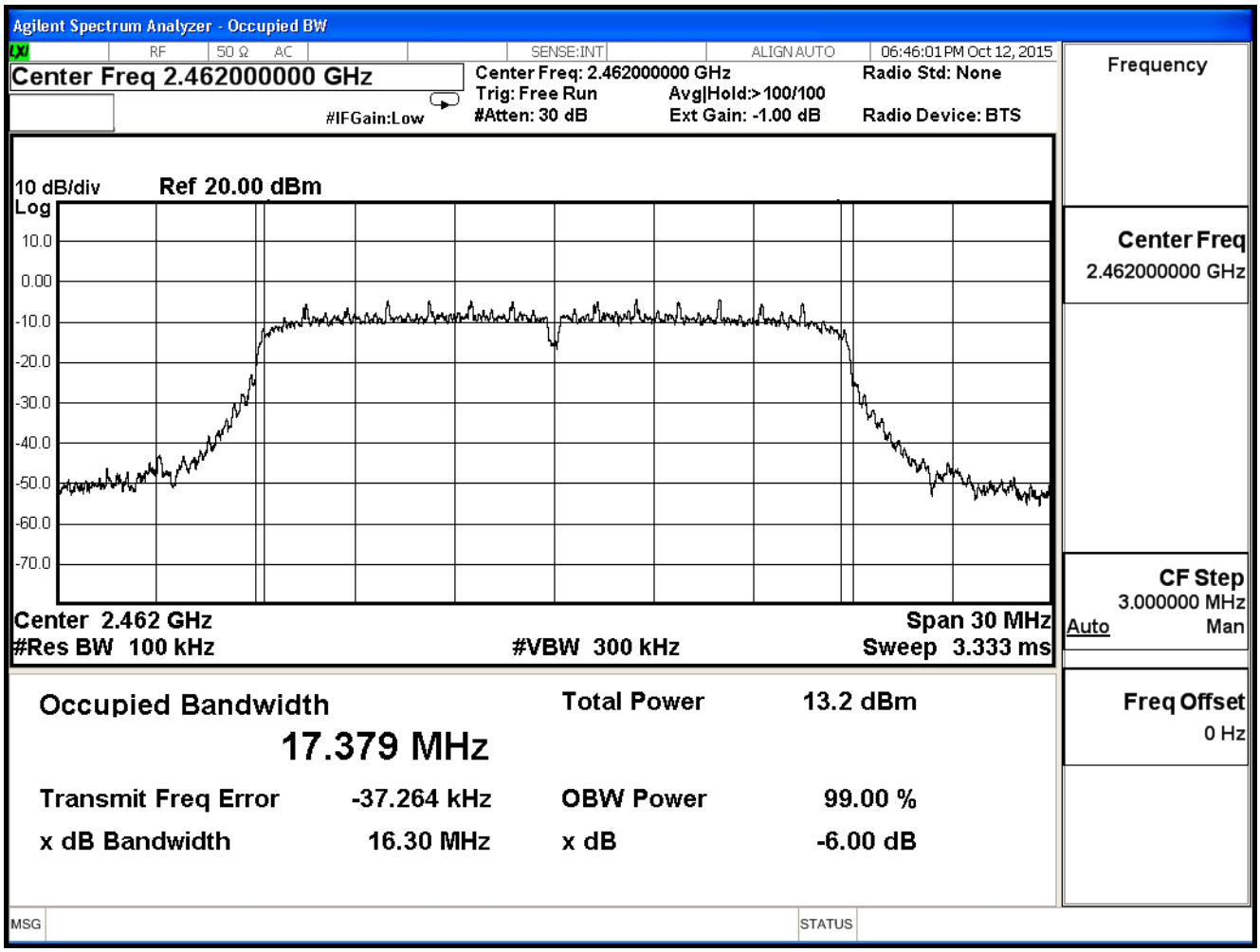
Channel 1 (2412MHz)



Channel 6 (2437MHz)



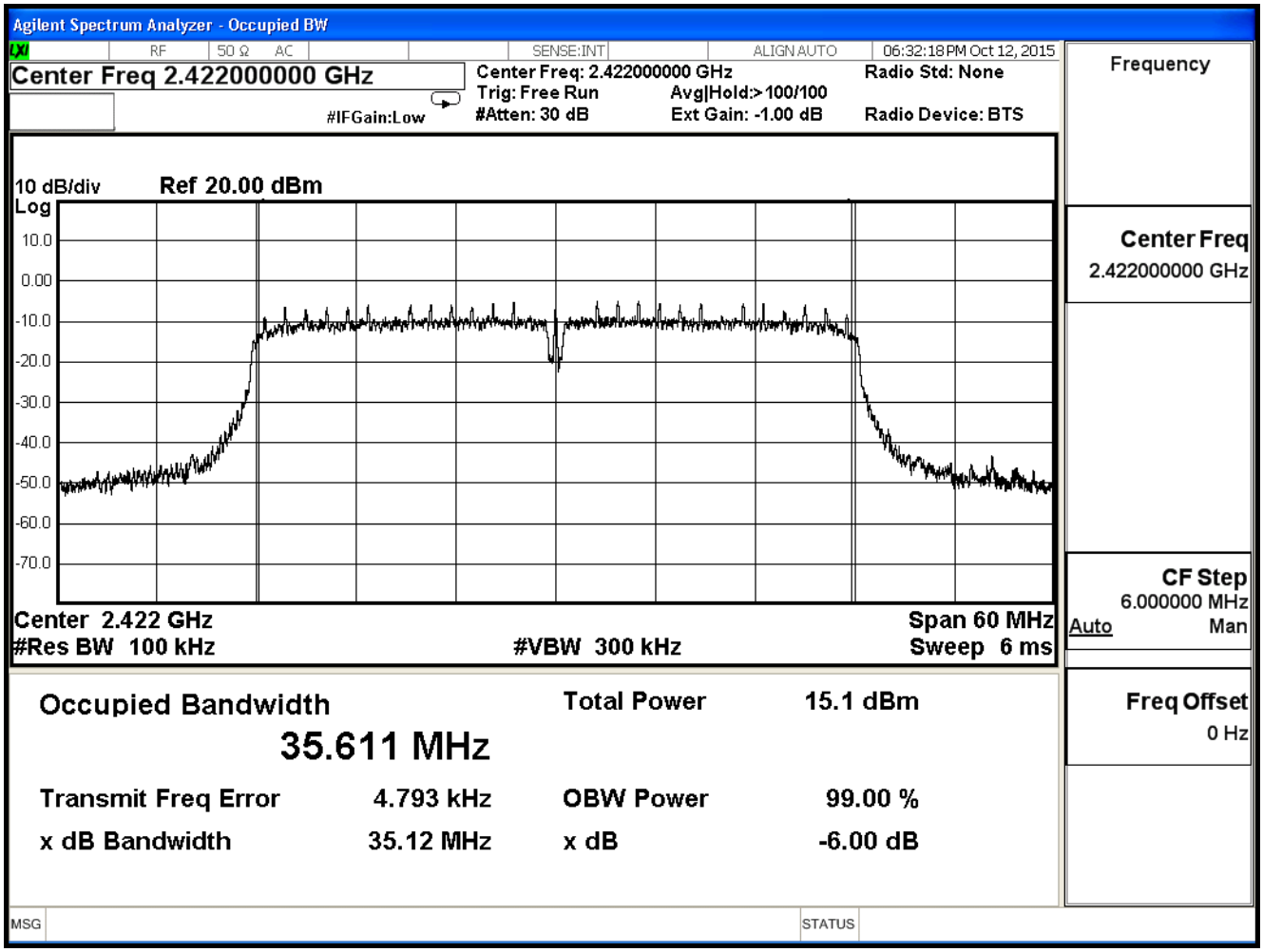
Channel 11 (2462MHz)



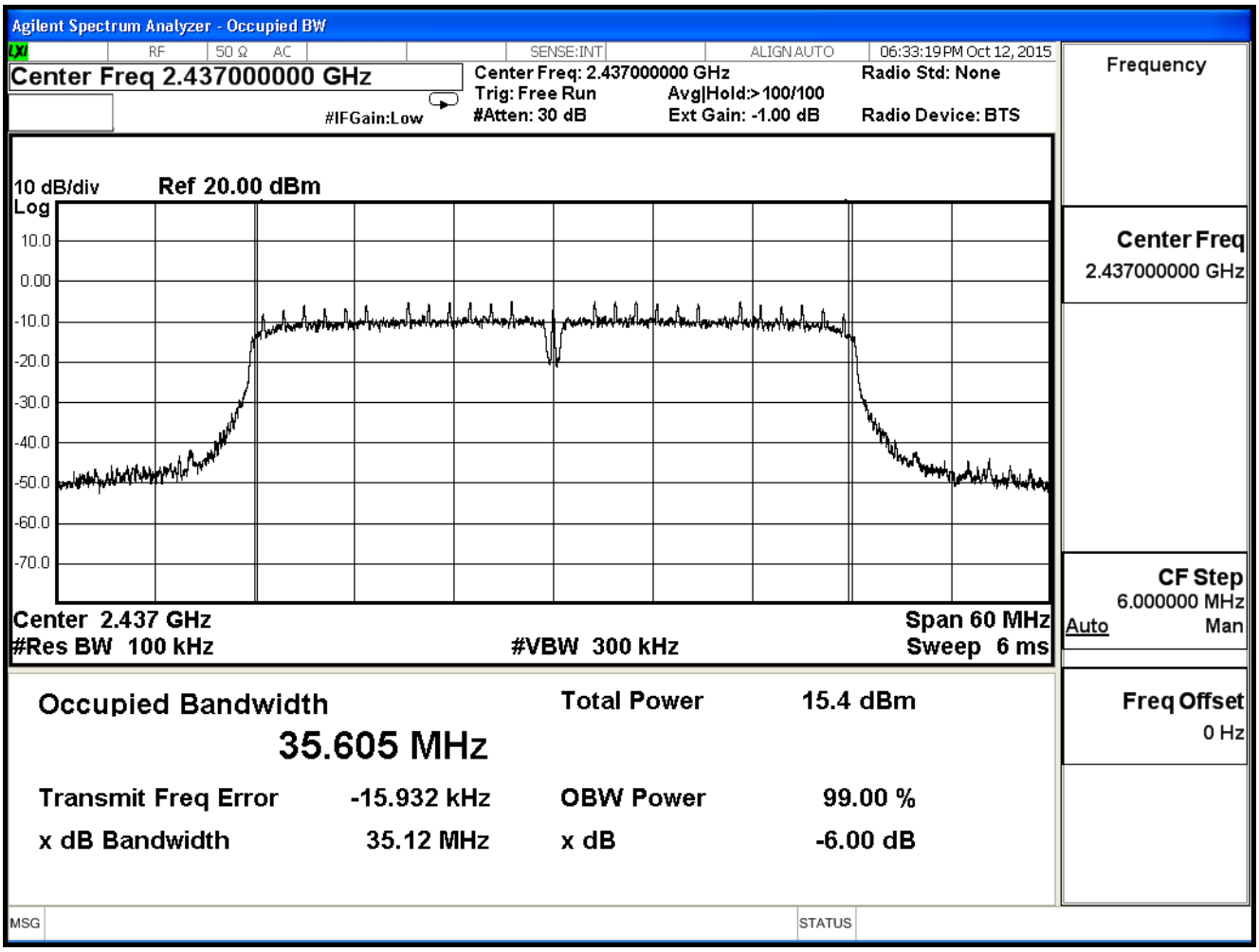
Product	Mesh WiFi AP		
Test Item	DTS Occupied Bandwidth		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2015/10/12	Test Site	SR7

IEEE 802.11n (40MHz) (ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
3	2422	35.120	≧0.5	Pass
6	2437	35.120	≧0.5	Pass
9	2452	35.130	≧0.5	Pass

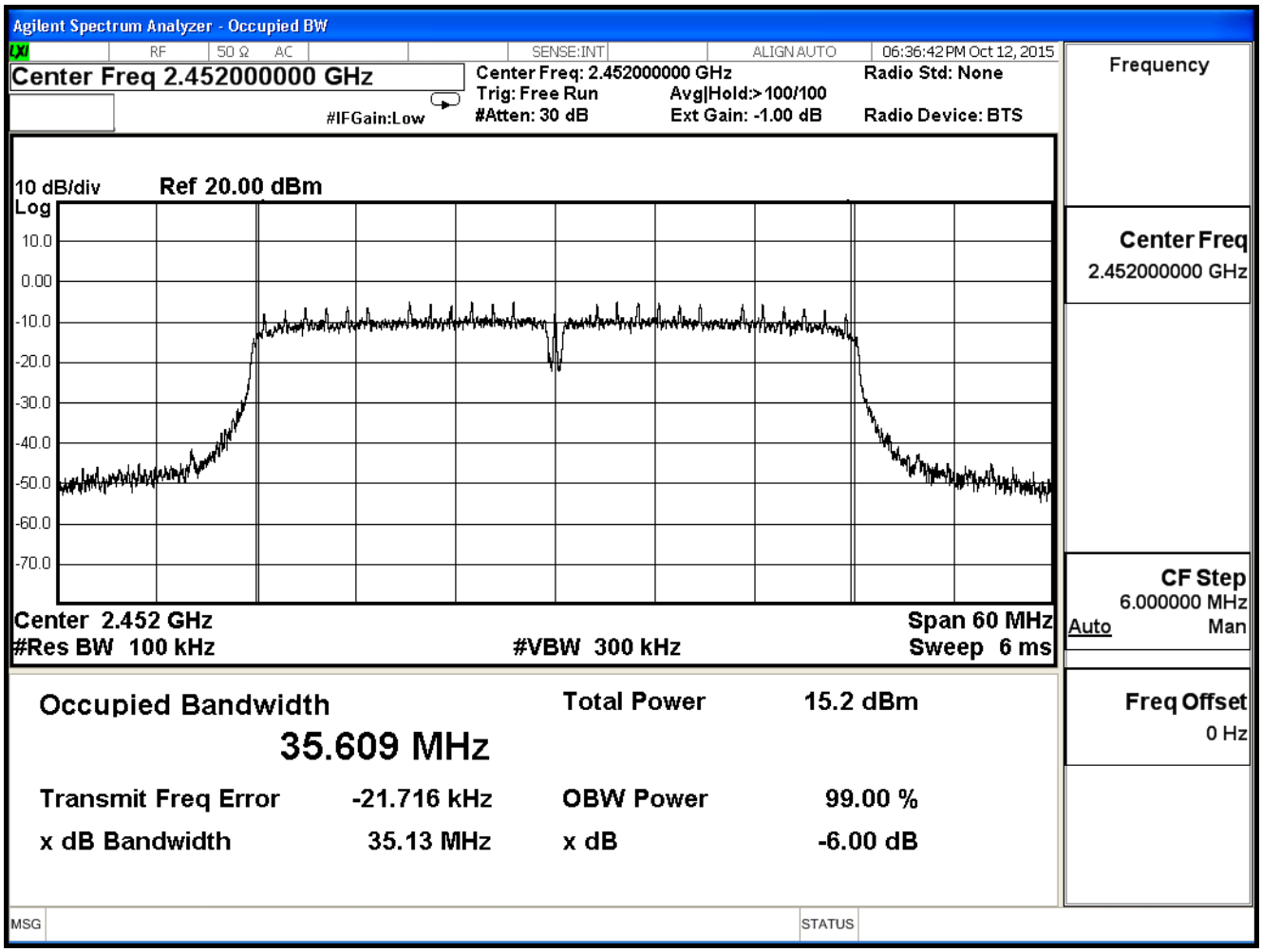
Channel 3 (2422MHz)



Channel 6 (2437MHz)



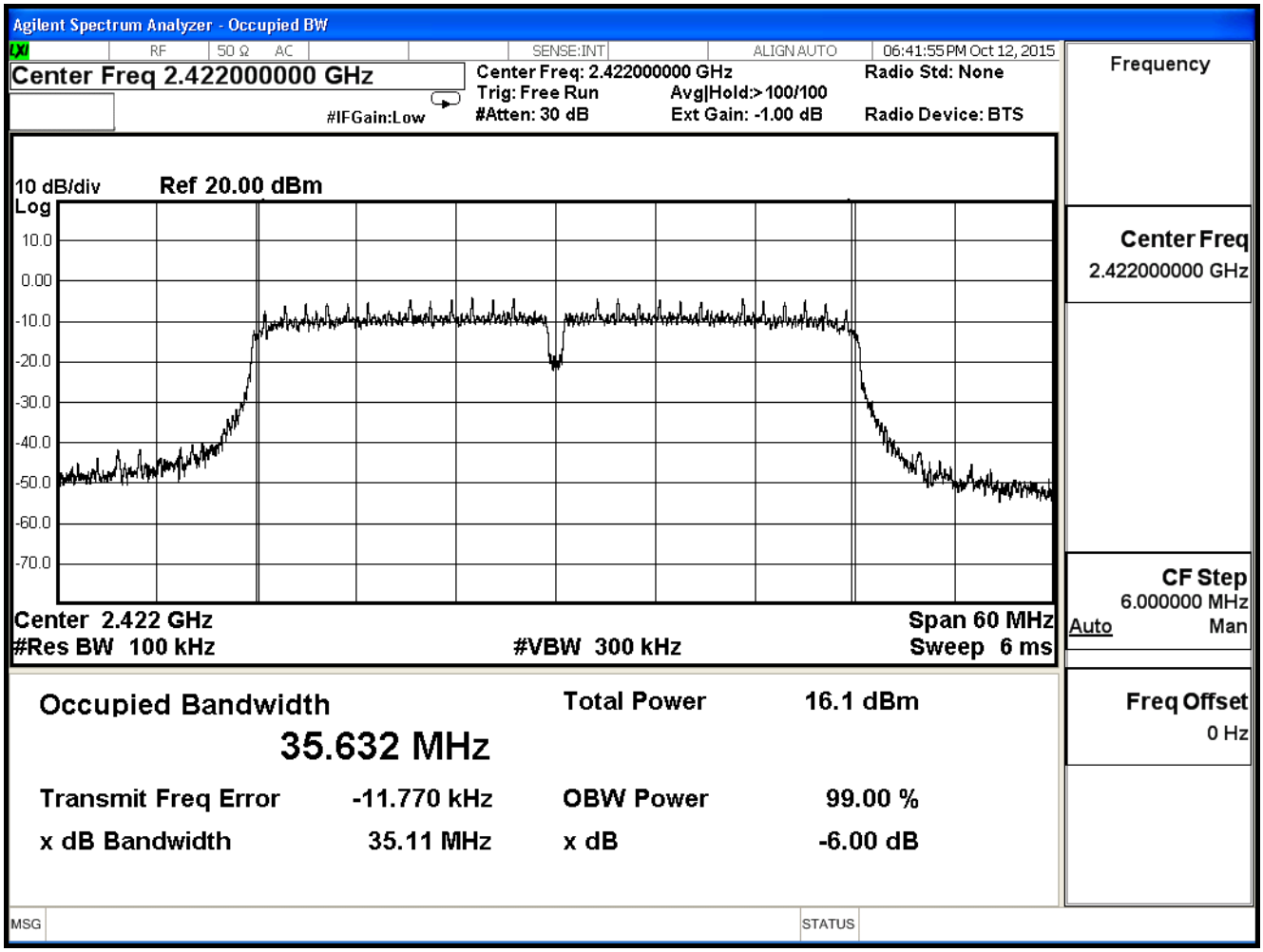
Channel 9 (2452MHz)



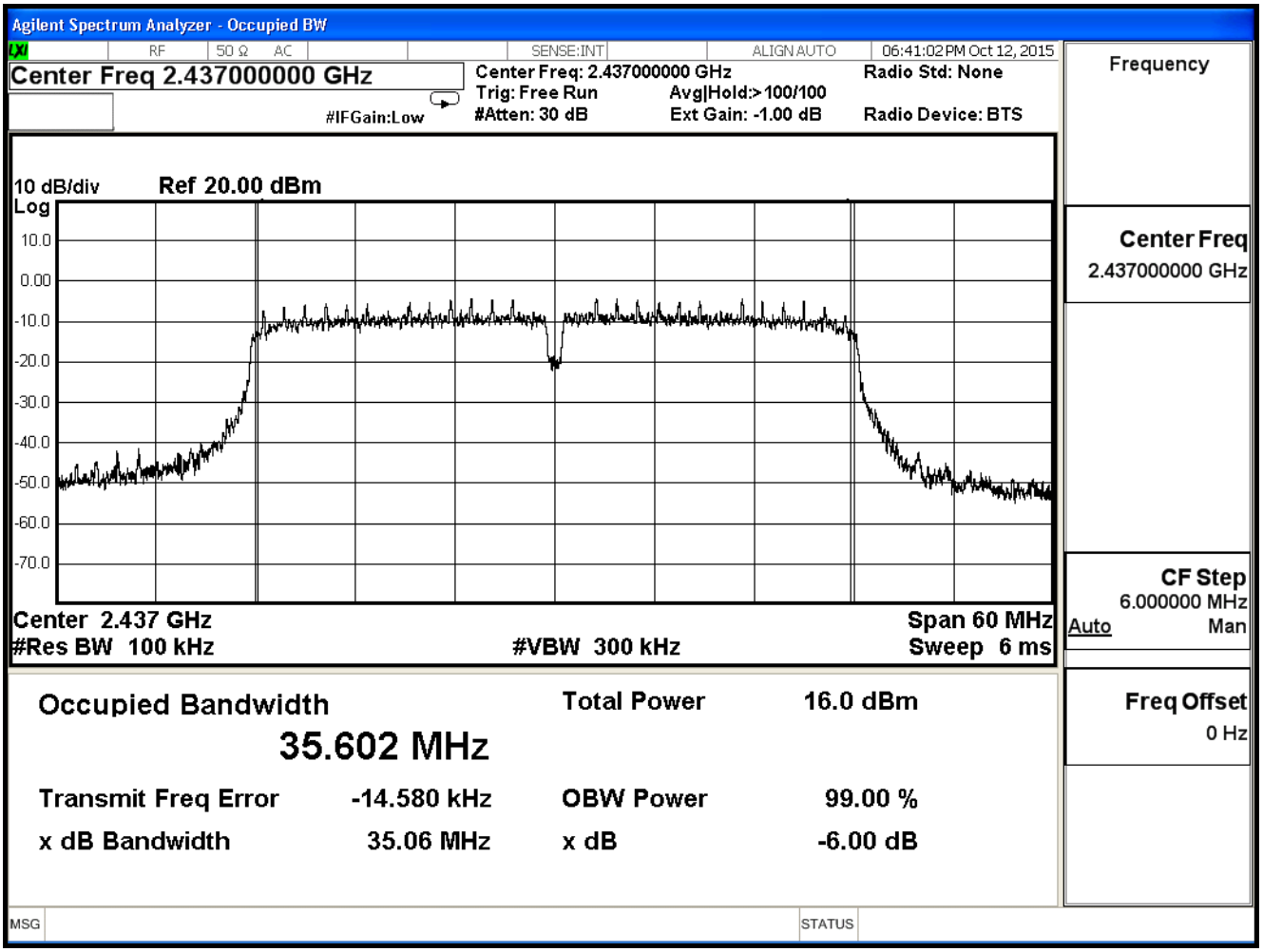
Product	Mesh WiFi AP		
Test Item	DTS Occupied Bandwidth		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2015/10/12	Test Site	SR7

IEEE 802.11n (40MHz) (ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
3	2422	35.110	≧0.5	Pass
6	2437	35.060	≧0.5	Pass
9	2452	35.110	≧0.5	Pass

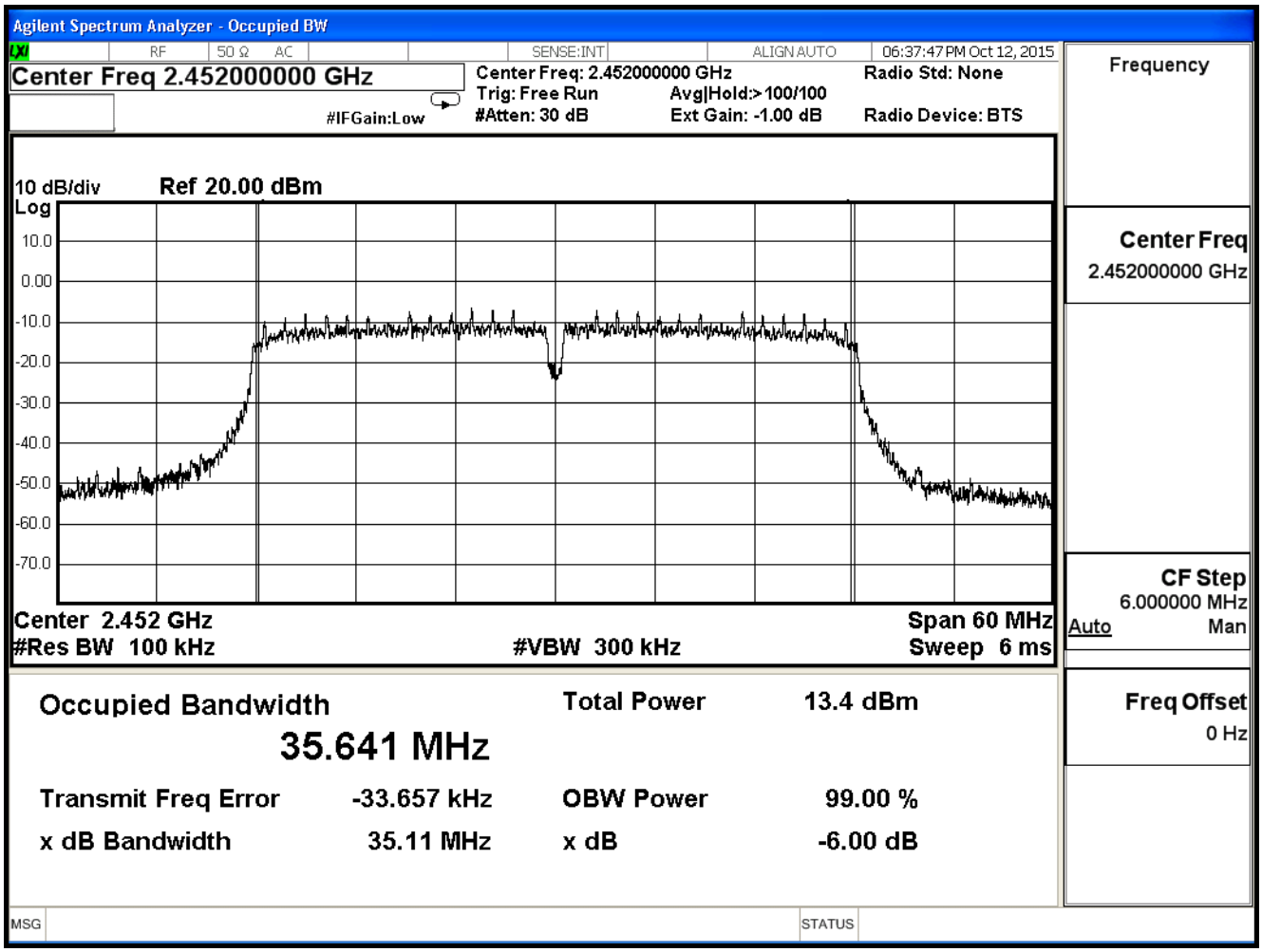
Channel 3 (2422MHz)



Channel 6 (2437MHz)



Channel 9 (2452MHz)



8. Power Density

8.1. Test Equipment

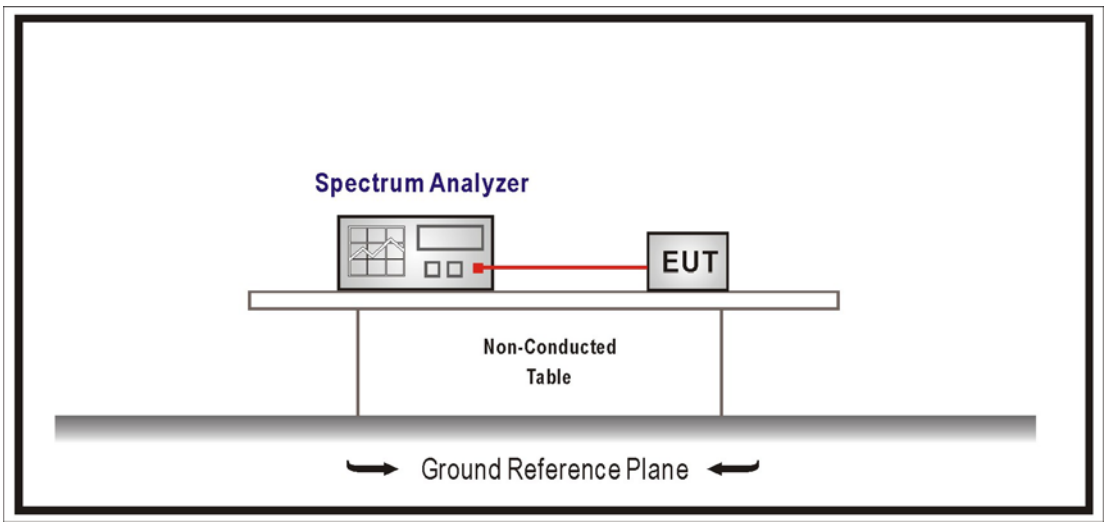
The following test equipment is used during the test:

Power Density / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2016/07/13

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

8.2. Test Setup



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 C63.10:2013; tested according to DTS test procedure section 10.2 of KDB558074 v03r02 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: 2014

8.6. Uncertainty

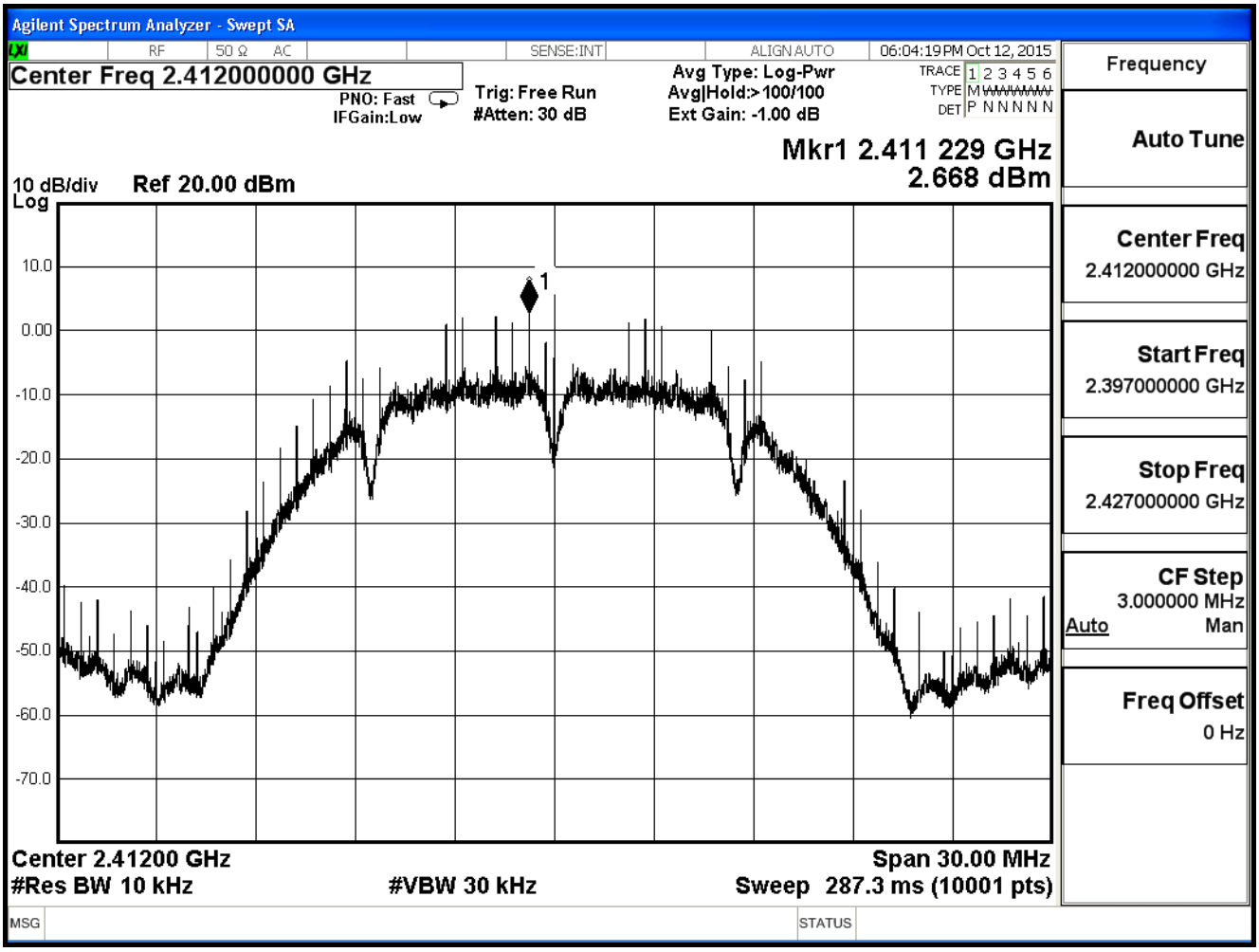
The measurement uncertainty is defined as ±1.27dB.

8.7. Test Result

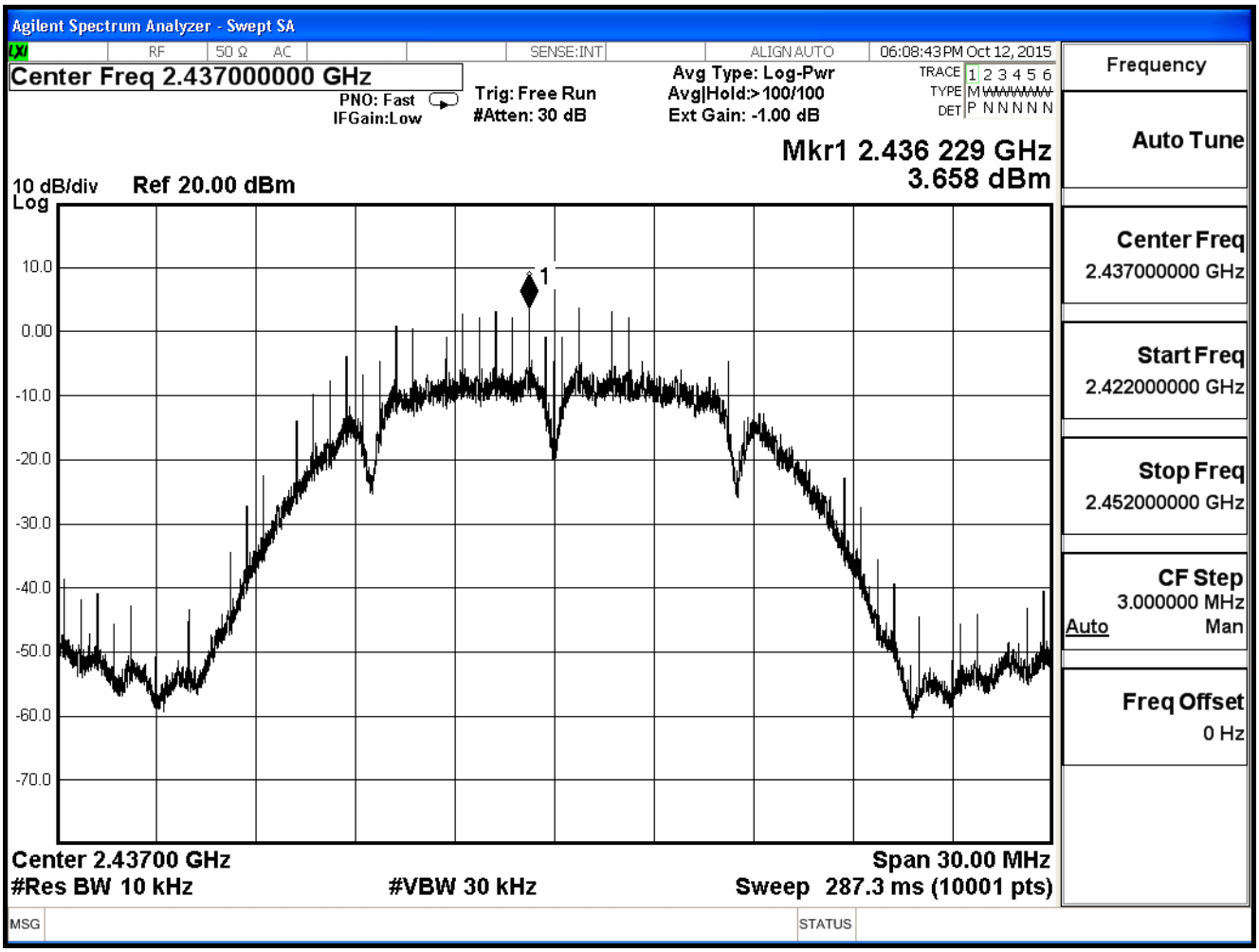
Product	Mesh WiFi AP		
Test Item	Power Density		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2015/10/12	Test Site	SR7

IEEE 802.11b (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	2.668	≦8	Pass
6	2437	3.658	≦8	Pass
11	2462	3.236	≦8	Pass

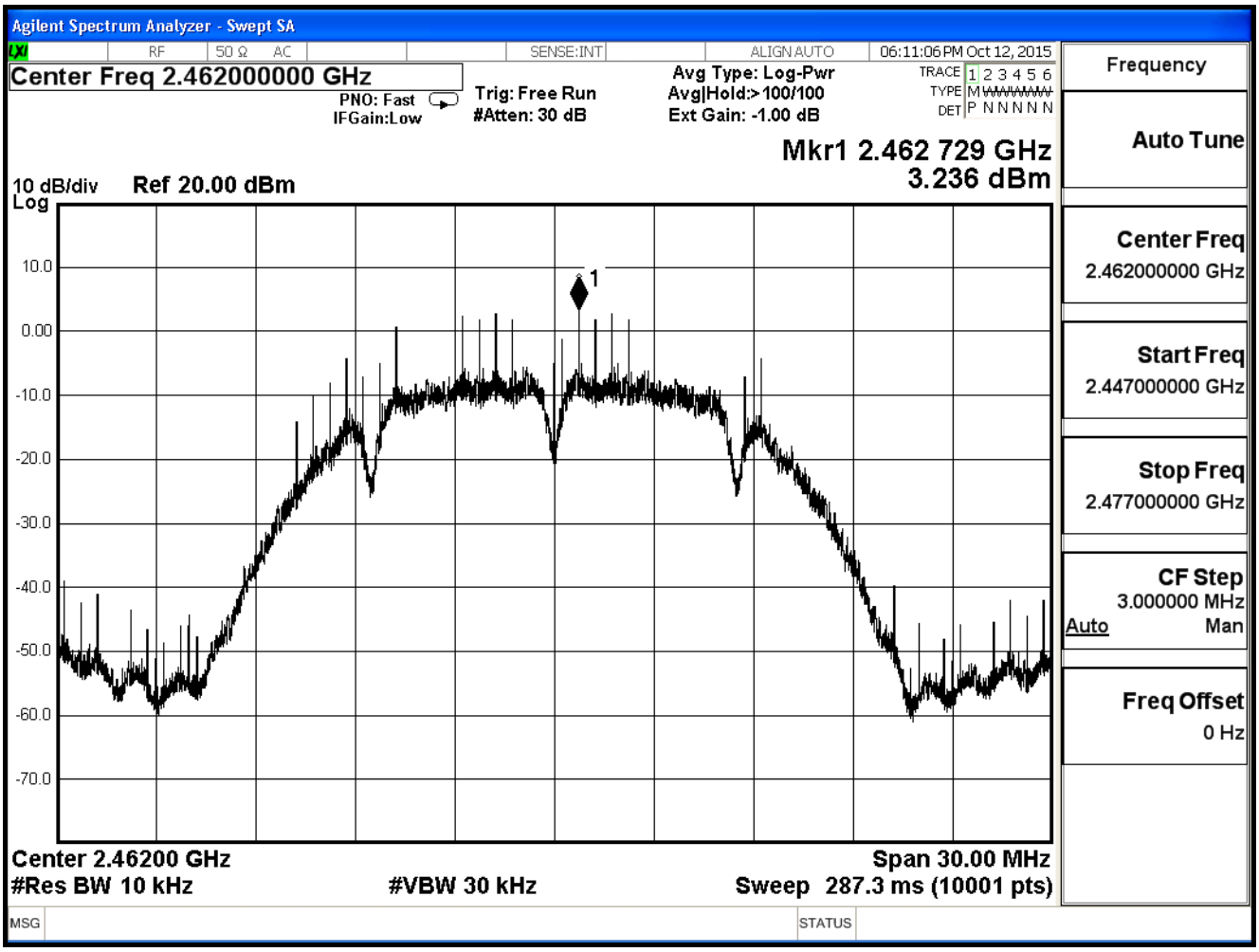
Channel 1 (2412MHz)



Channel 6 (2437MHz)



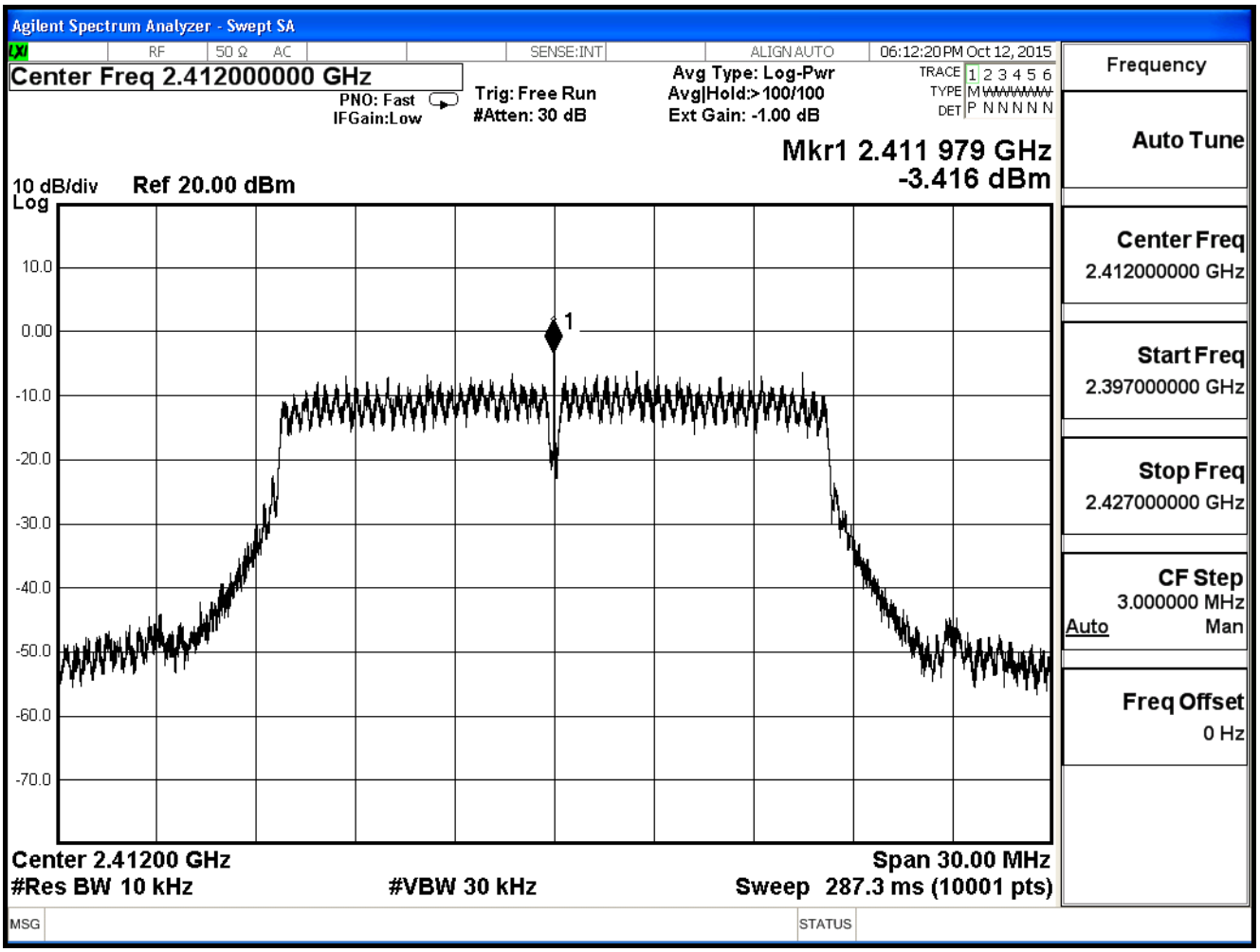
Channel 11 (2462MHz)



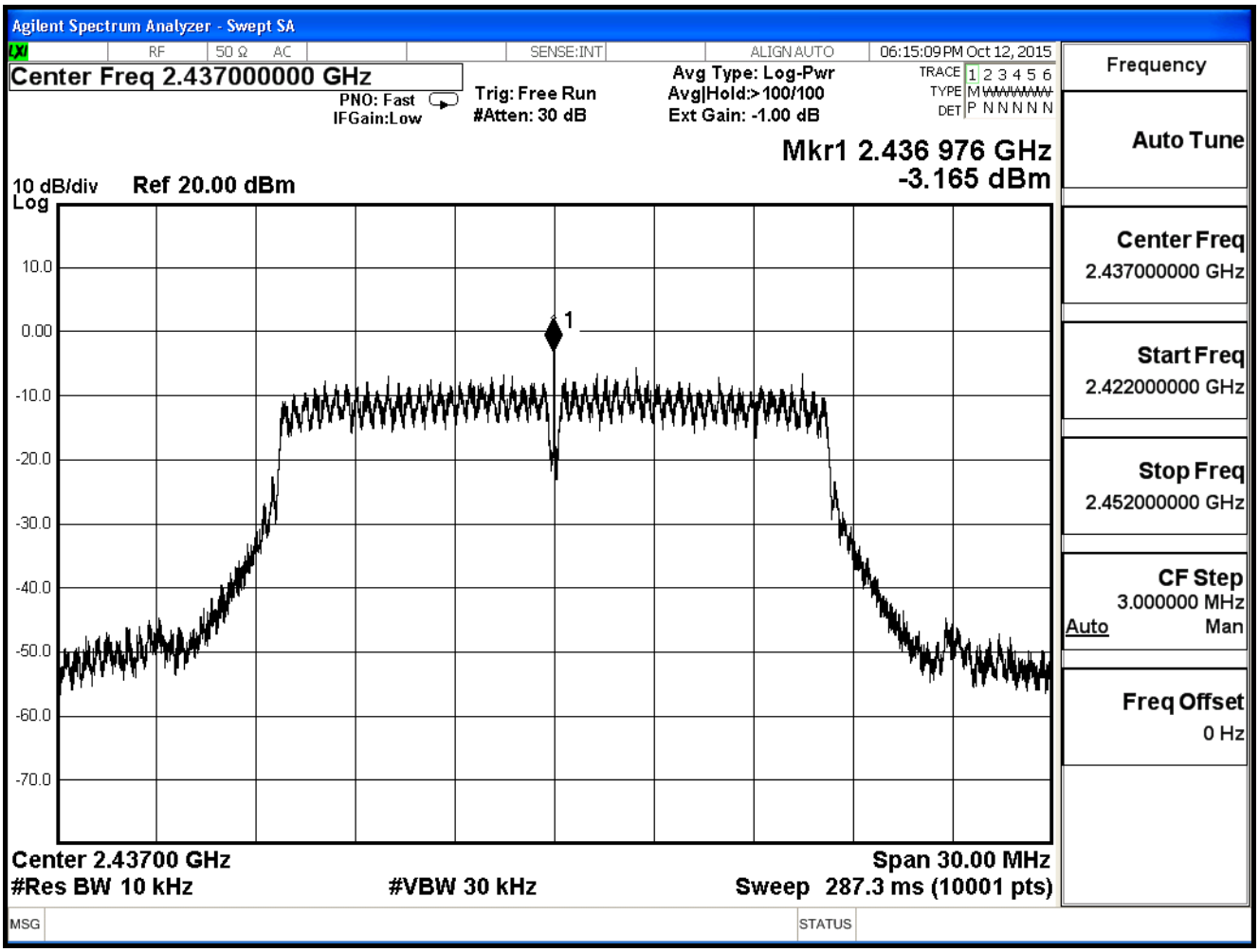
Product	Mesh WiFi AP		
Test Item	Power Density		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2015/10/12	Test Site	SR7

IEEE 802.11g (ANT 0)				
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
1	2412	-3.416	≦8	Pass
6	2437	-3.165	≦8	Pass
11	2462	-4.391	≦8	Pass

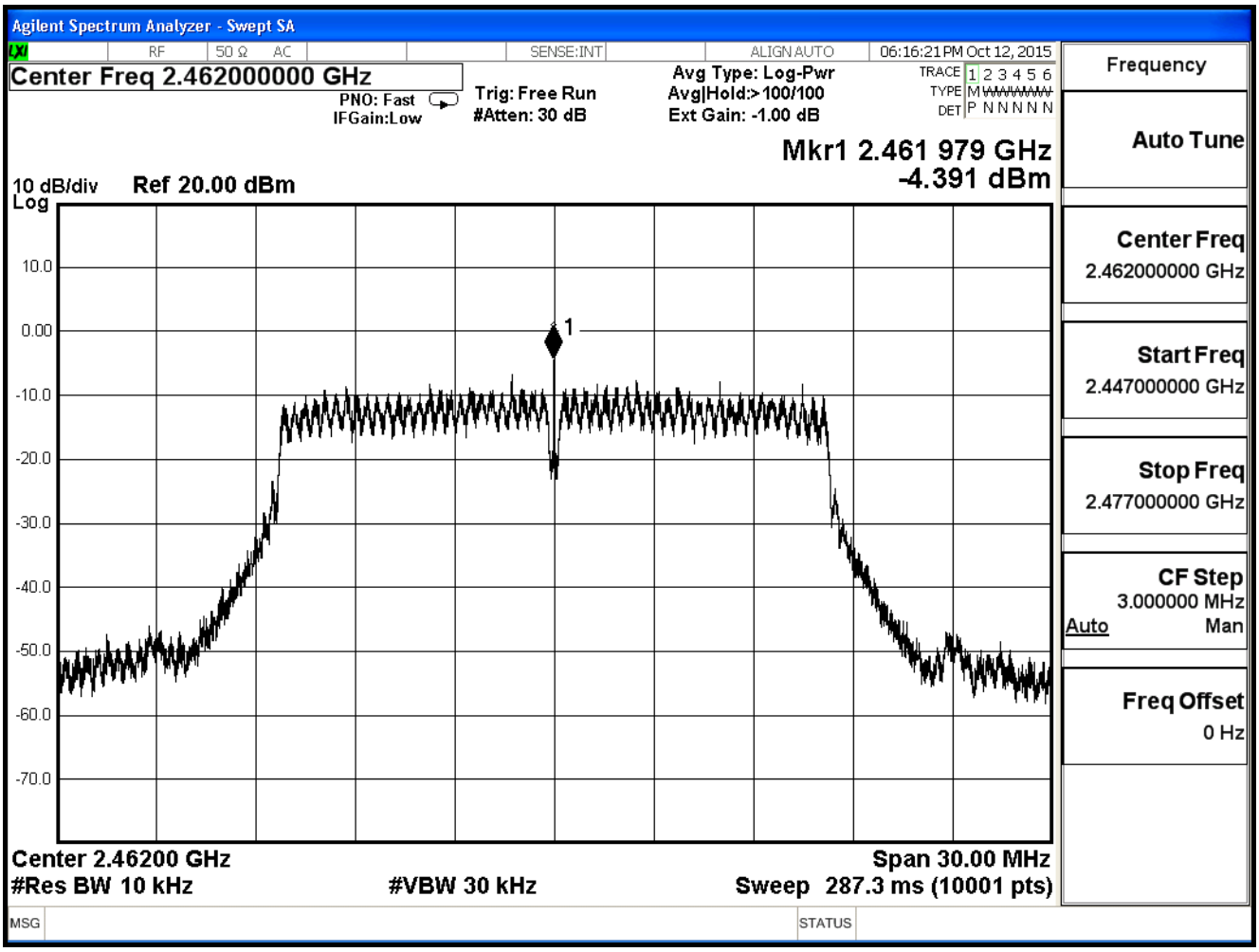
Channel 1 (2412MHz)



Channel 6 (2437MHz)



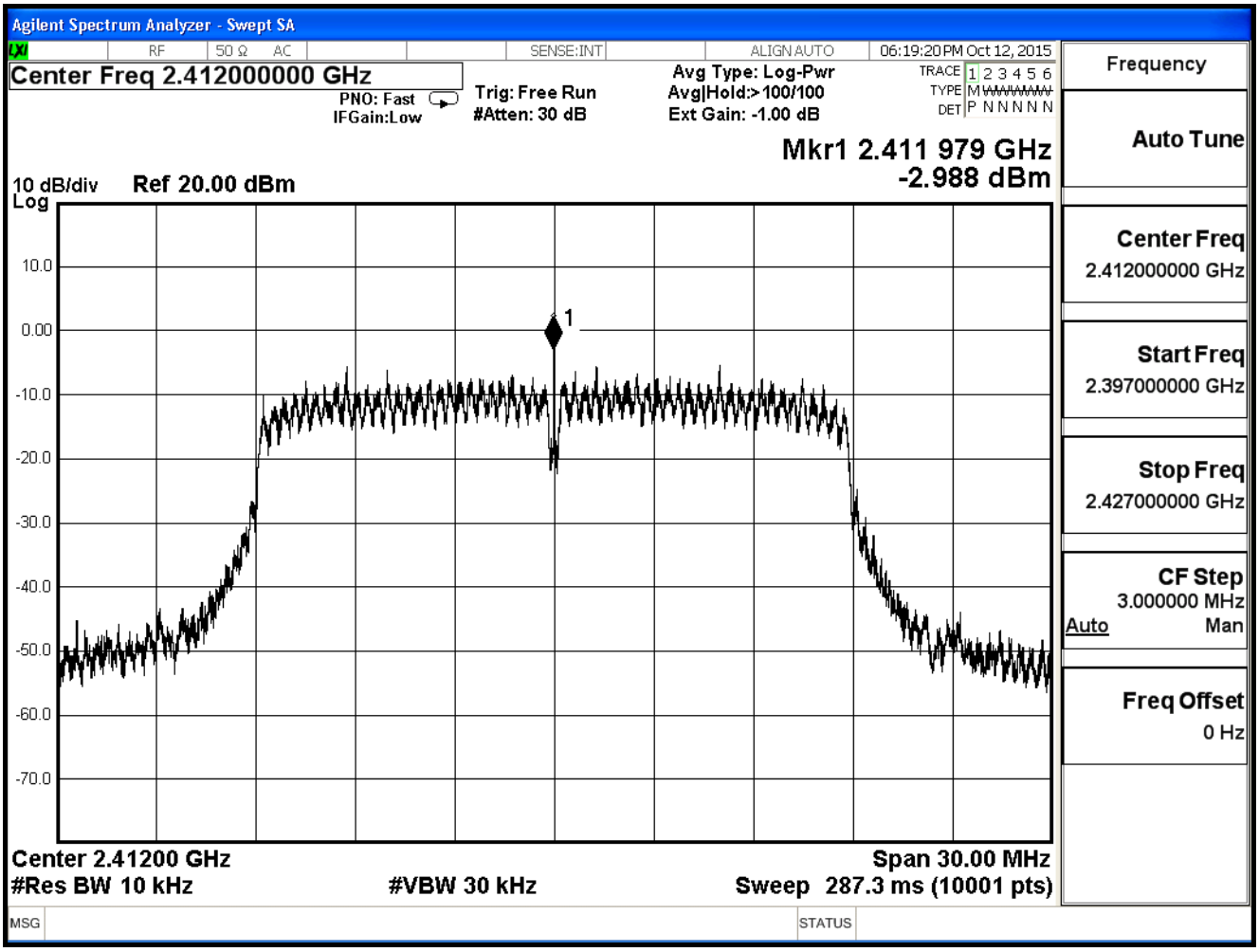
Channel 11 (2462MHz)



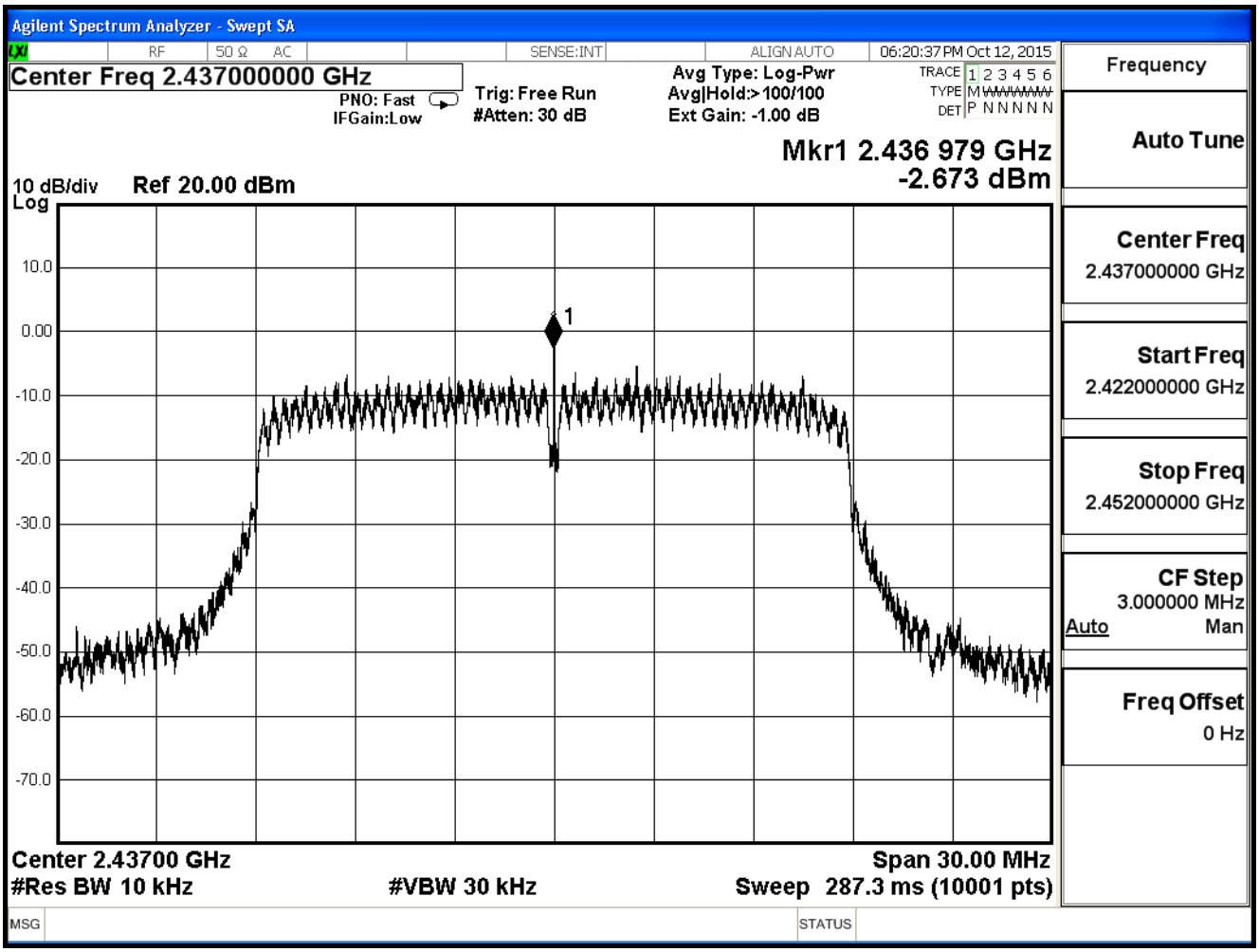
Product	Mesh WiFi AP		
Test Item	Power Density		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2015/10/12	Test Site	SR7

IEEE 802.11n (20MHz) (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-2.988	≦6.99	Pass
6	2437	-2.673	≦6.99	Pass
11	2462	-4.467	≦6.99	Pass

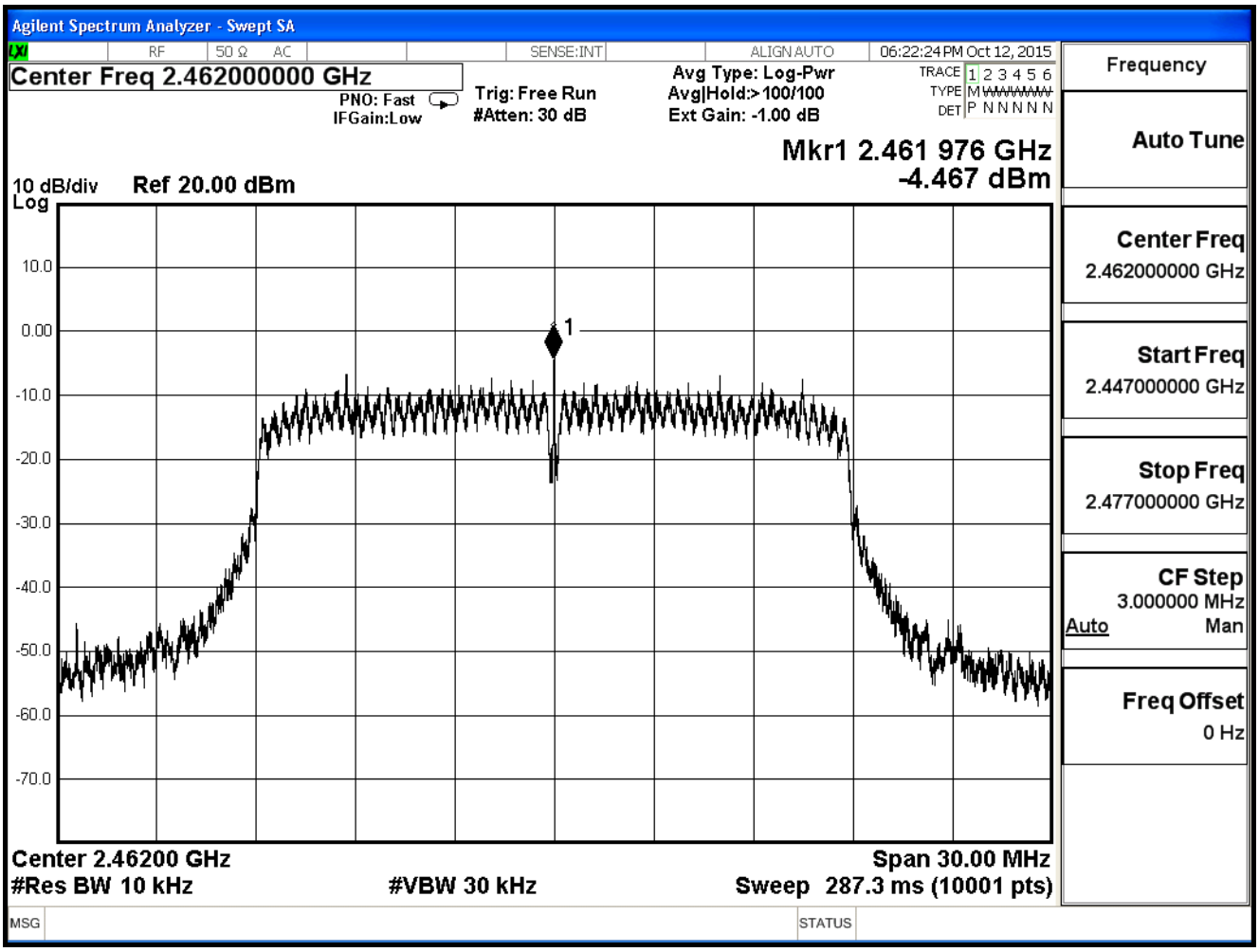
Channel 1 (2412MHz)



Channel 6 (2437MHz)



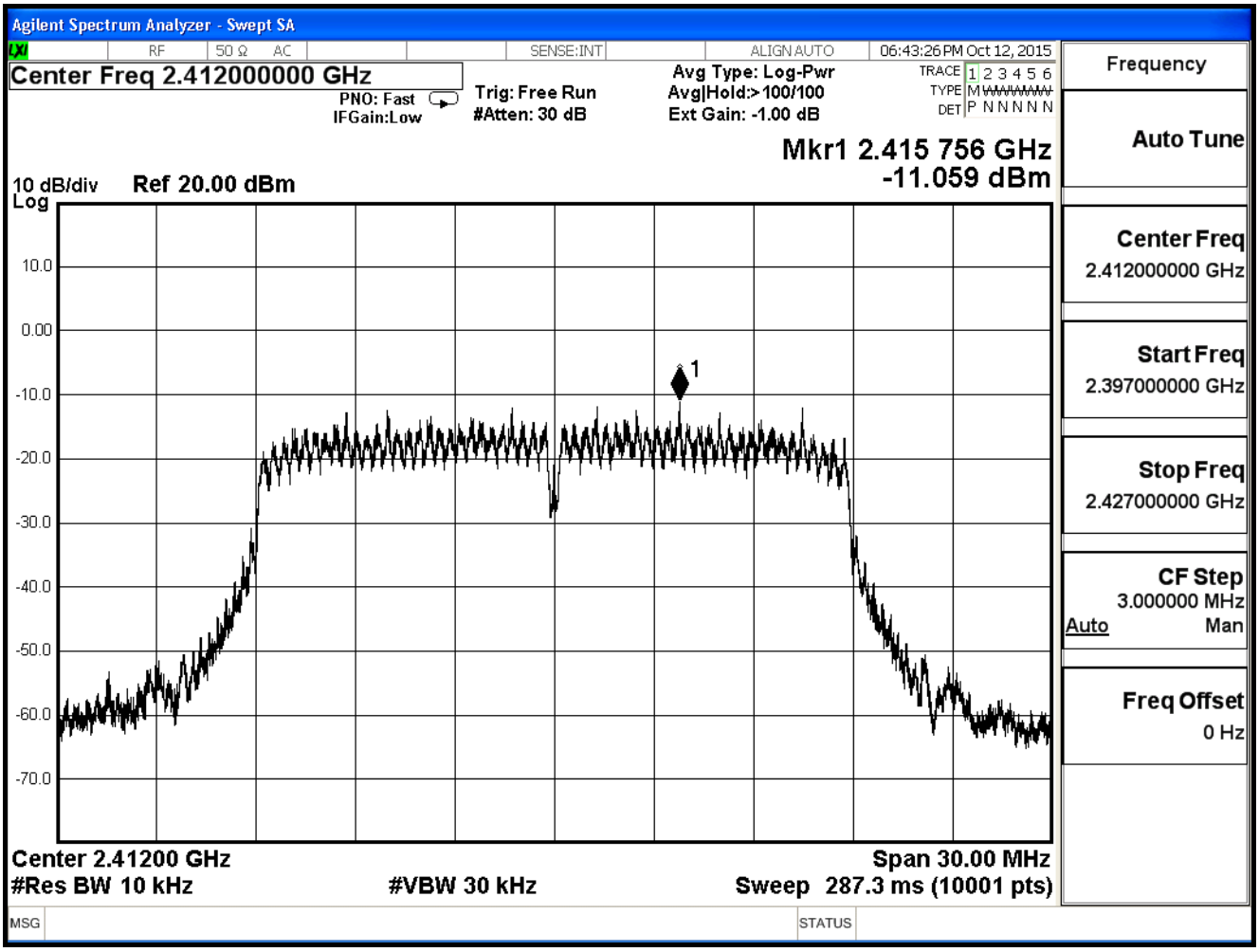
Channel 11 (2462MHz)



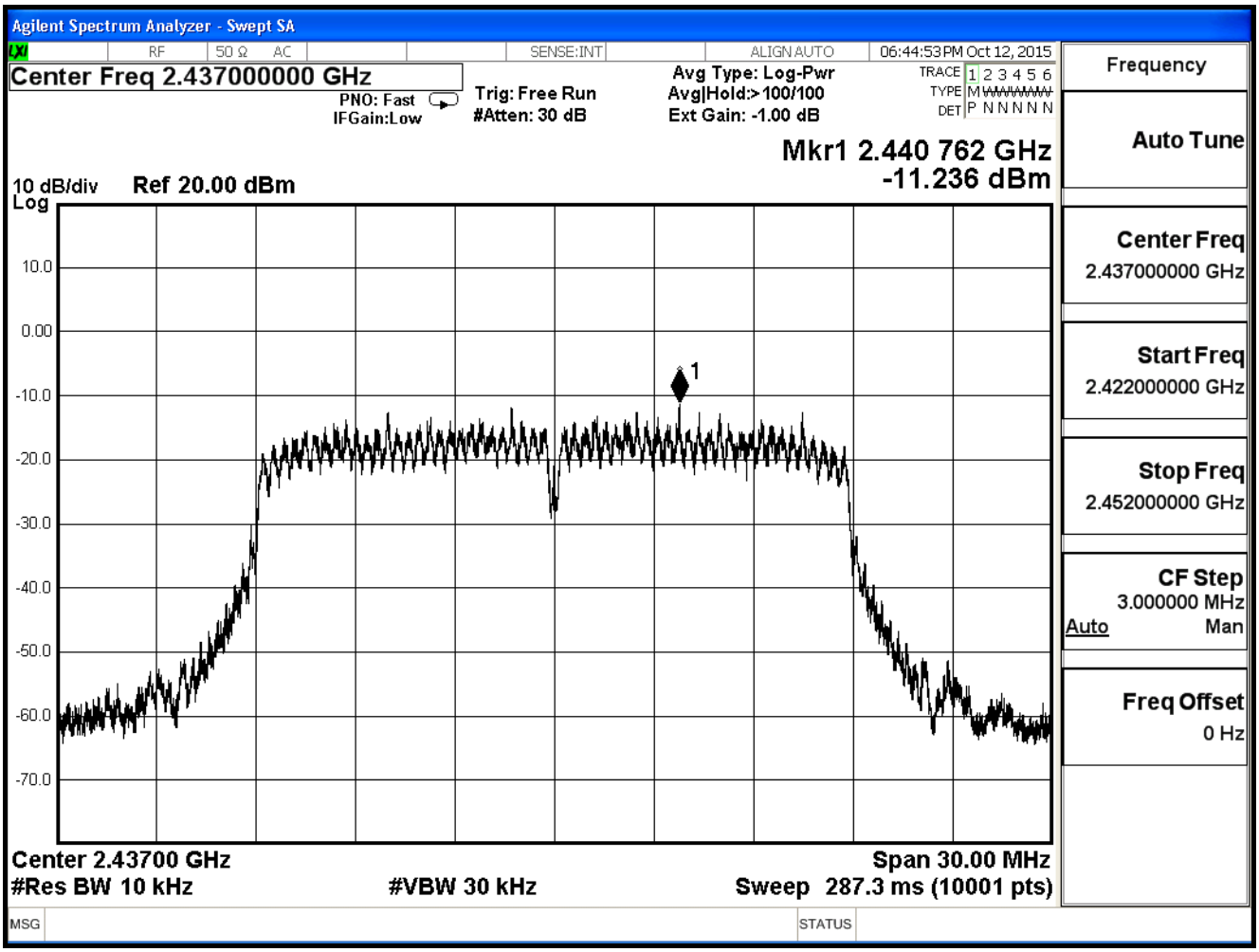
Product	Mesh WiFi AP		
Test Item	Power Density		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2015/10/12	Test Site	SR7

IEEE 802.11n (20MHz) (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-11.059	≦6.99	Pass
6	2437	-11.236	≦6.99	Pass
11	2462	-12.742	≦6.99	Pass

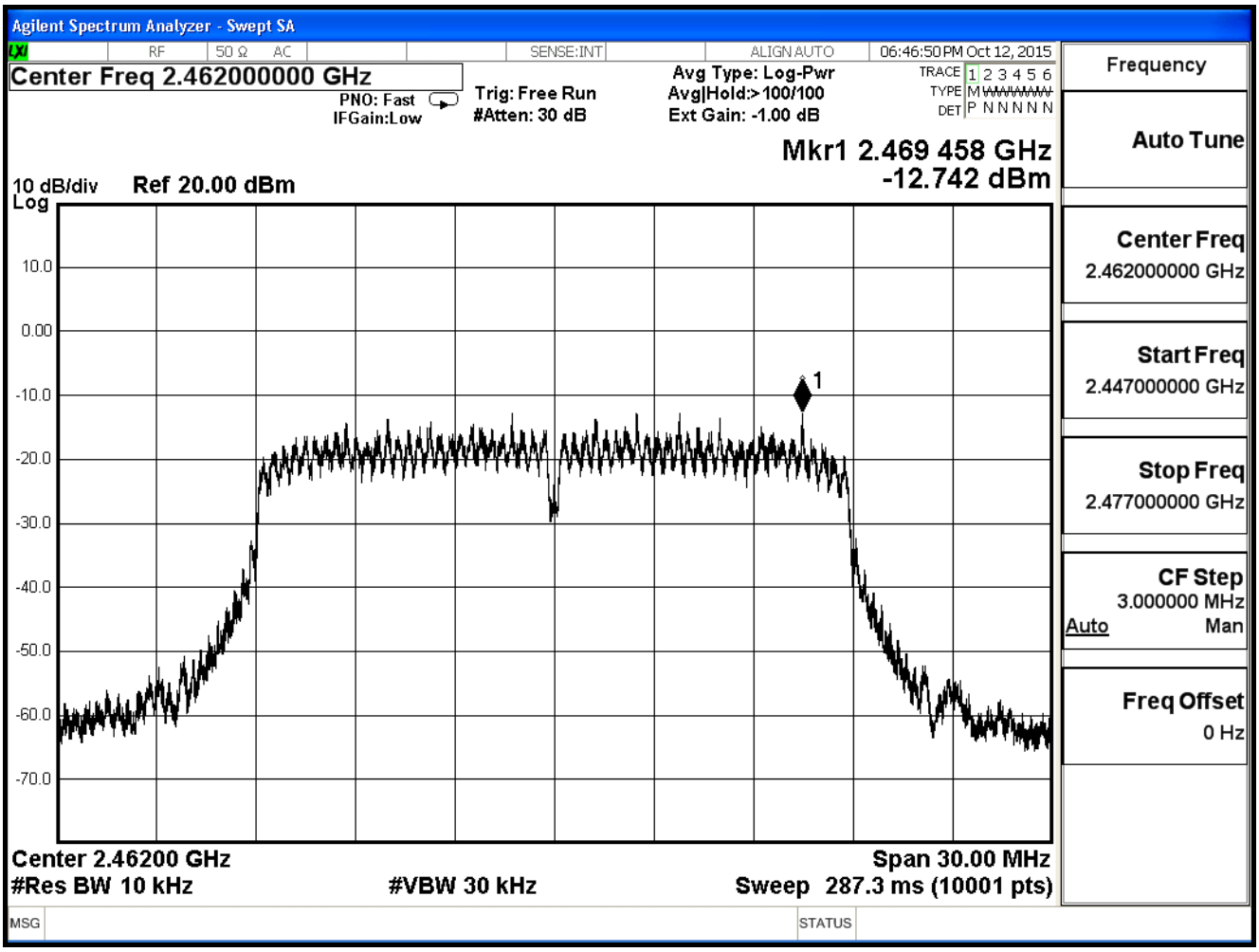
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



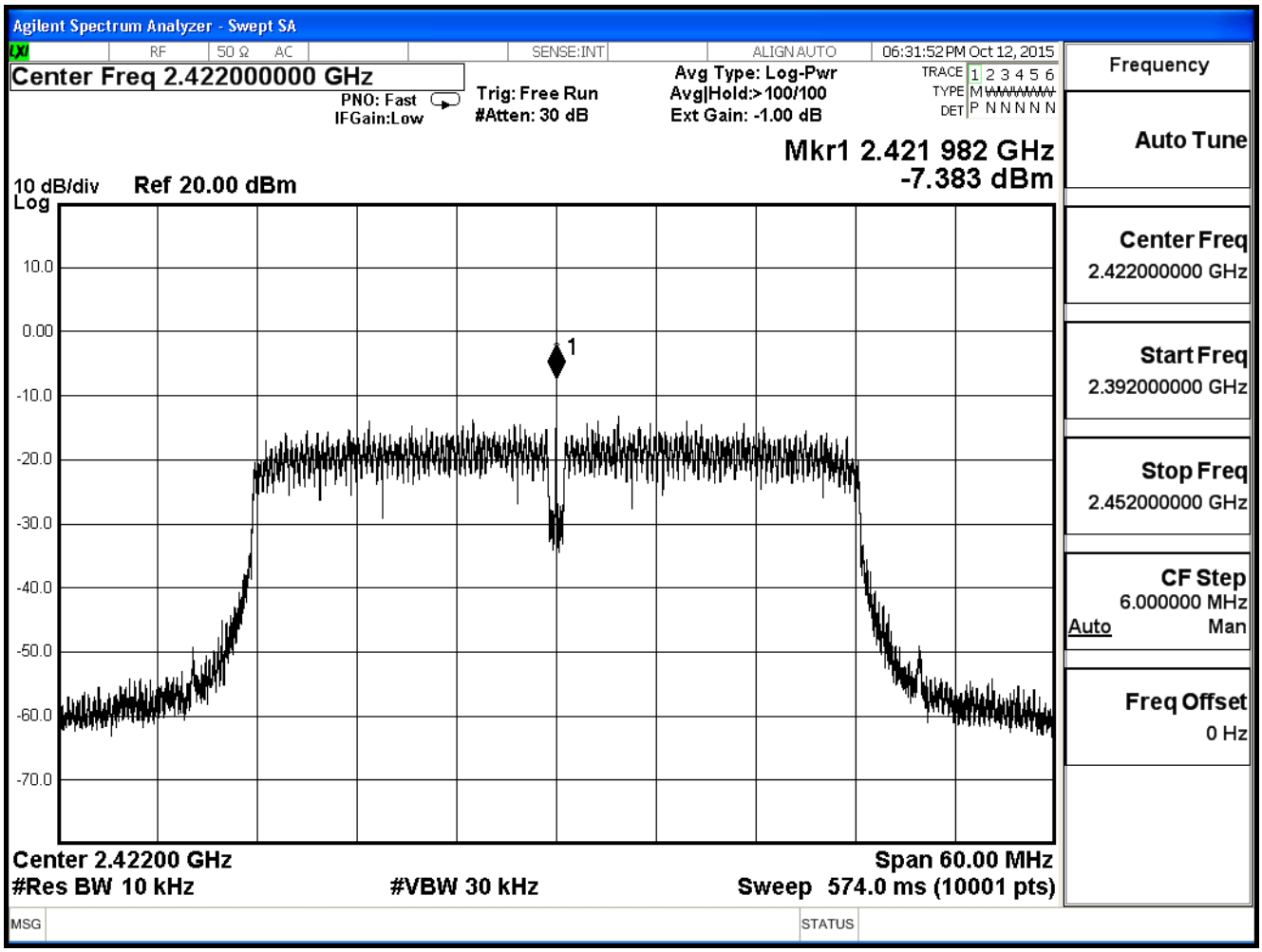
Product	Mesh WiFi AP		
Test Item	Power Density		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2015/10/12	Test Site	SR7

IEEE 802.11n (20MHz) (ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-2.359	≦6.99	Pass
6	2437	-2.107	≦6.99	Pass
11	2462	-3.865	≦6.99	Pass

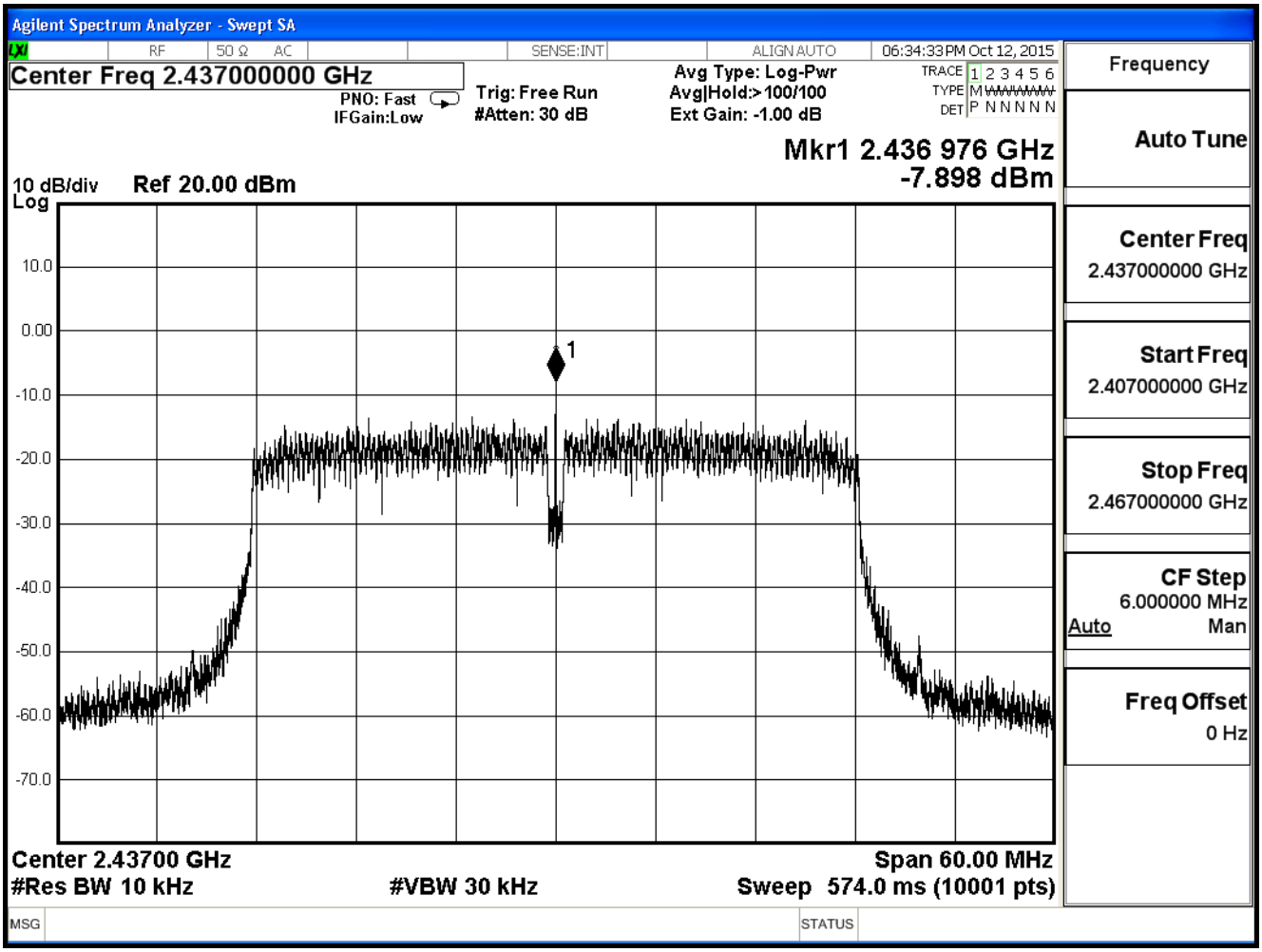
Product	Mesh WiFi AP		
Test Item	Power Density		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2015/10/12	Test Site	SR7

IEEE 802.11n (40MHz) (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-7.383	≦6.99	Pass
6	2437	-7.898	≦6.99	Pass
9	2452	-8.425	≦6.99	Pass

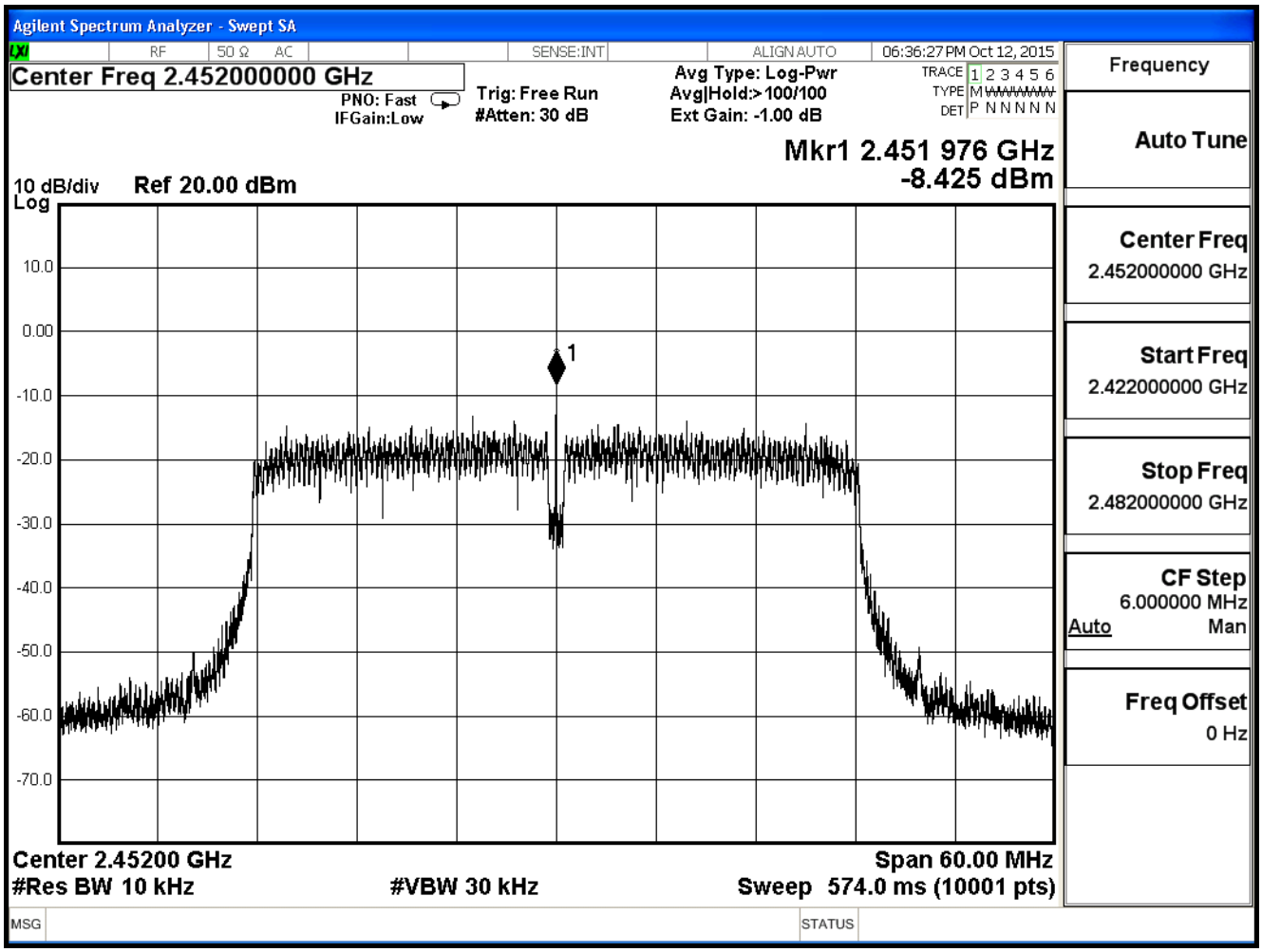
Channel 3 (2422MHz)



Channel 6 (2437MHz)



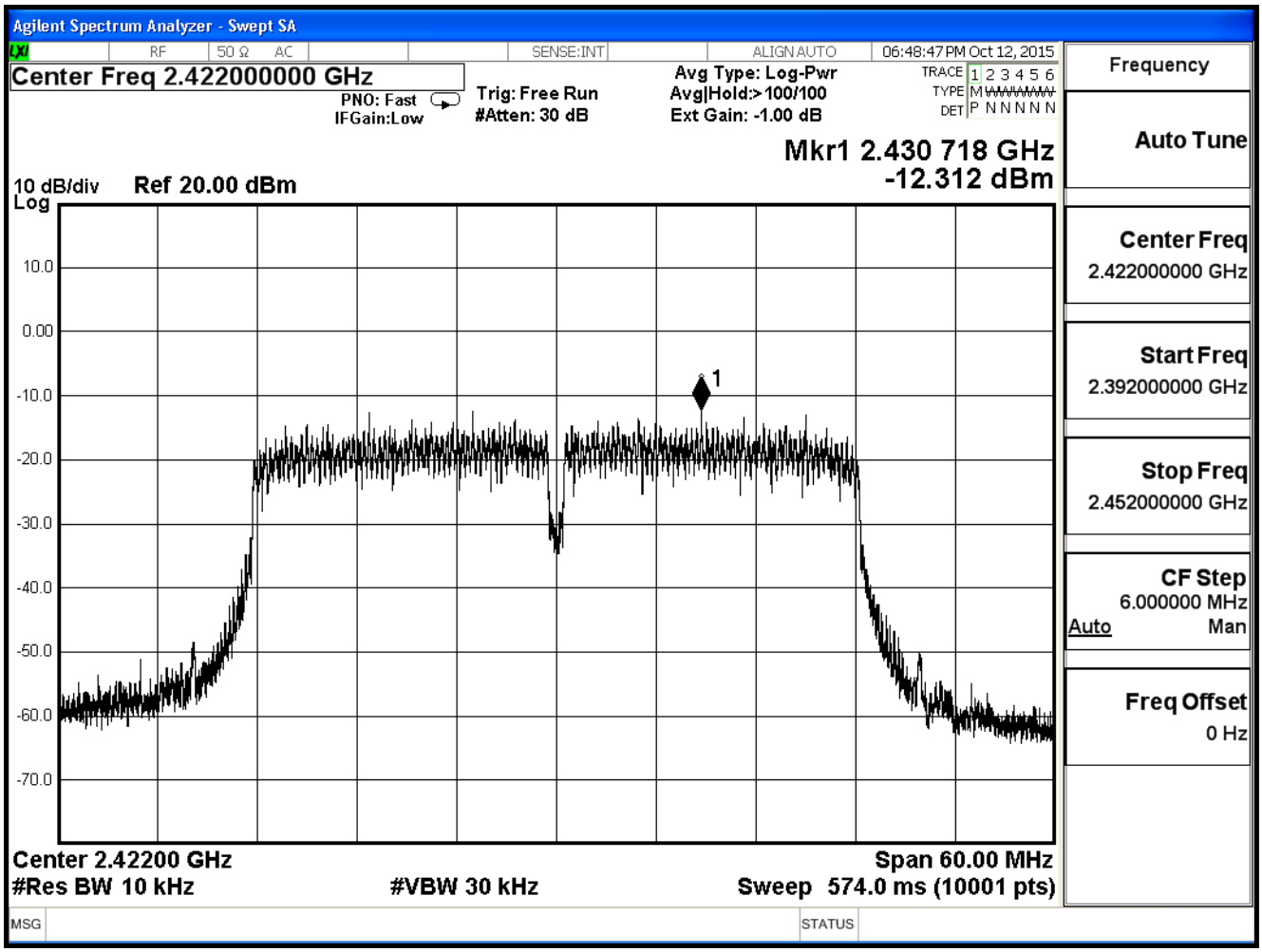
Channel 9 (2452MHz)



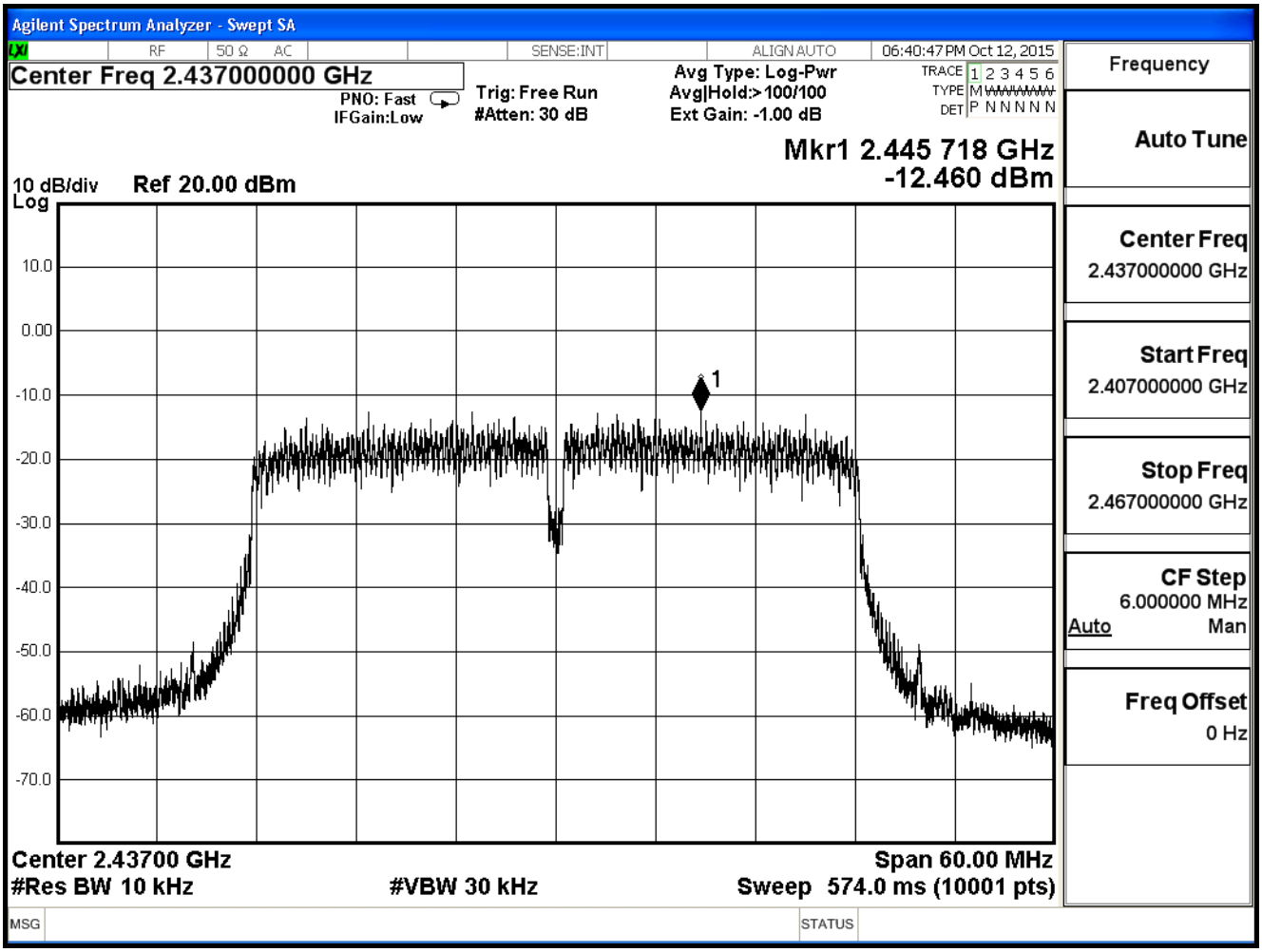
Product	Mesh WiFi AP		
Test Item	Power Density		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2015/10/12	Test Site	SR7

IEEE 802.11n (40MHz) (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-12.312	≦6.99	Pass
6	2437	-12.460	≦6.99	Pass
9	2452	-14.986	≦6.99	Pass

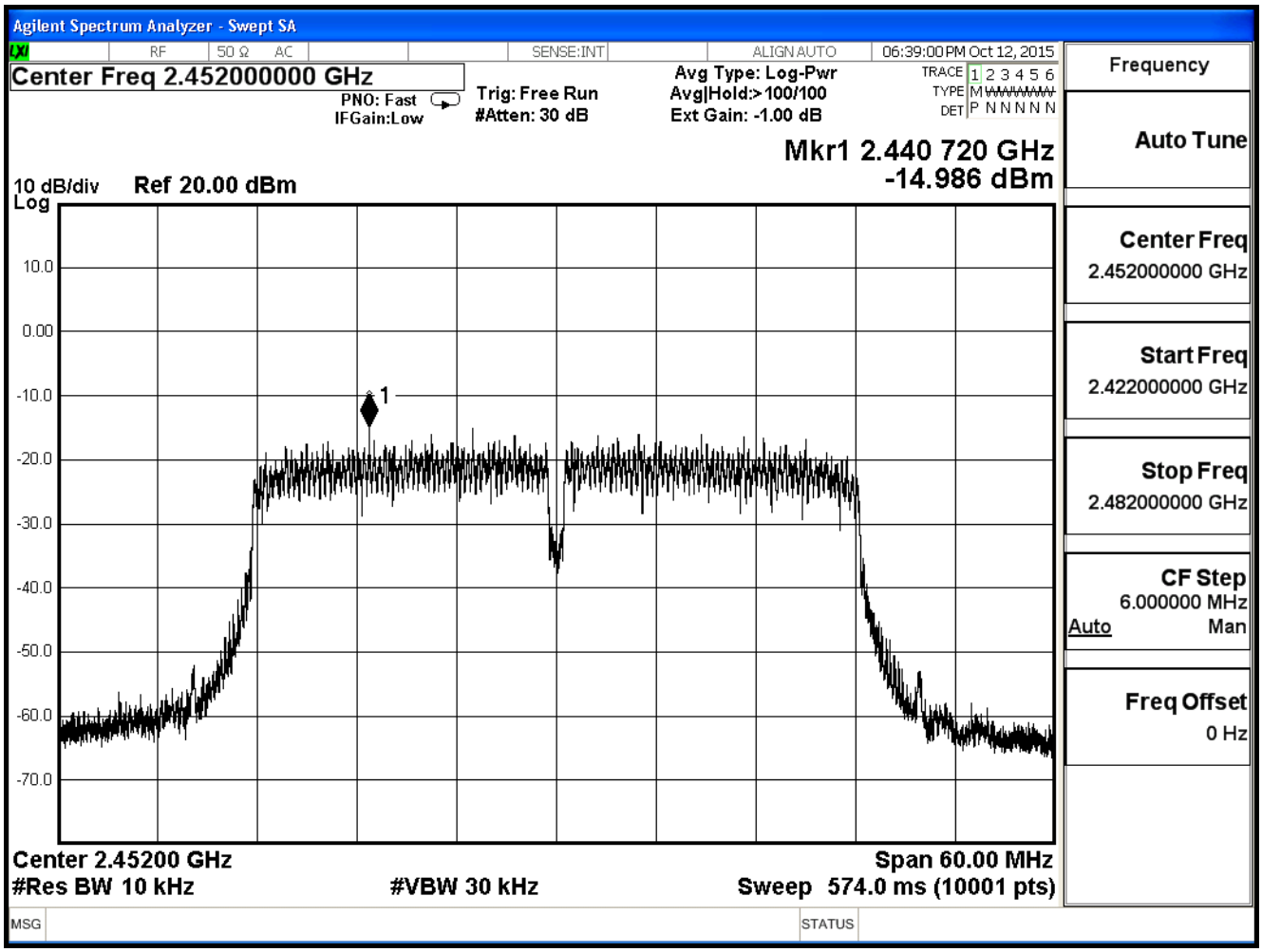
Channel 3 (2422MHz)



Channel 6 (2437MHz)



Channel 9 (2452MHz)



Product	Mesh WiFi AP		
Test Item	Power Density		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2015/10/12	Test Site	SR7

IEEE 802.11n (40MHz) (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-6.173	≦6.99	Pass
6	2437	-6.595	≦6.99	Pass
9	2452	-7.559	≦6.99	Pass