FCC Test Report

Product Name	:	Verizon Mesh Router
Trade Name	:	ASUS
Model No.	:	VZMESHROUTER, VZMESHWAR, VZW-AC1300
FCC ID.	:	MSQ-RTACHQ00

Applicant	:	ASUSTeK COMPUTER INC.
Address	:	4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan

Date of Receipt	:	Oct. 23, 2017
Issued Date	:	Dec. 04, 2017
Report No.	:	17A0318R-RFUSP27V00
Report Version	:	V0.2-Draft

Testing Laboratory
3024

Test Report Certification

Issued Date : Dec. 04, 2017
Report No. : 17A0318R-RFUSP27V00

Product Name	:	Verizon Mesh Router
Applicant	:	ASUSTeK COMPUTER INC.
Address	:	4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan
Manufacturer	:	ASUSTeK COMPUTER INC.
Model No.	:	VZMESHROUTER, VZMESHWAR, VZW-AC1300
FCC ID.	:	MSQ-RTACHQ00
EUT Test Voltage	:	AC 100-240V, 50-60Hz
Testing Voltage	:	AC 120V/60Hz
Trade Name	:	ASUS
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart C Section 15.247: 2016 ANSI C63.10: 2013 KDB558074 D01V04 / KDB 662911 D01 V02r01
Laboratory Name	:	Hsin Chu Laboratory
Address	:	No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 310, Taiwan, R.O.C. TEL: +886-3-582-8001 / FAX: +886-3-582-8958
Test Result	:	Complied

Documented By : Lyla Yang
(Lyla Yang / Engineering Adm. Specialist)

Tested By : Scott Chang
(Scott Chang / Engineer)

Approved By : Roy Wang
(Roy Wang / Director)

Revision History

Report No.	Version	Description	Issued Date
17A0318R-RFUSP27V00	V0.2-Draft	Initial issue of report	Dec. 04, 2017

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1. General Information

1.1. EUT Description

Product Name	Verizon Mesh Router	
Trade Name	ASUS	
Model No.	VZMESHROUTER, VZMESHWAR, VZW-AC1300	
Frequency Range/ Channel Number	IEEE 802.11b/g/ IEEE 802.11n (20MHz)	2412~2462MHz / 11 Channels
	IEEE 802.11n (40MHz)	2422~2452MHz / 7Channels
Type of Modulation	IEEE 802.11b	Direct Sequence Spread Spectrum
	IEEE 802.11g/n	Orthogonal Frequency Division Multiplexing
Data Speed	IEEE 802.11b	1, 2, 5.5, 11Mbps
	IEEE 802.11g	6, 9, 18, 24, 36, 48, 54Mbps
	IEEE 802.11n	Support a subset of the combination of GI, MCS 0~MCS 15 and bandwidth defined in 802.11n

Antenna Information			
Antenna	MFR. /Model No.	Antenna Type	Peak Gain
WiFi ANT 0	Airgain / N2420DCB-PK1-G62UR2	PIFA Antenna	3.5 dBi
WiFi ANT 1	Airgain / N2425D2S-PK1-B32UR2	PIFA Antenna	3.6 dBi

Accessories Information	
Power Adapter (Level 6)	APD, WB-18D12FU I/P : 100-240V~ 50/60Hz 0.5A Max. O/P : 12V ⎓ 1.5A Cable Out: Non-Shielded, 2 m

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 Verizon Mesh Router support 2.4GHz b/g/n and 5GHz a/n/ac and BT2.0/BT4.0 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.

1.2. Test Mode

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

TX	Mode 1: Transmit_CDD Mode Mode 2: Transmit_MIMO Mode Mode 3: Transmit_BF Mode

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

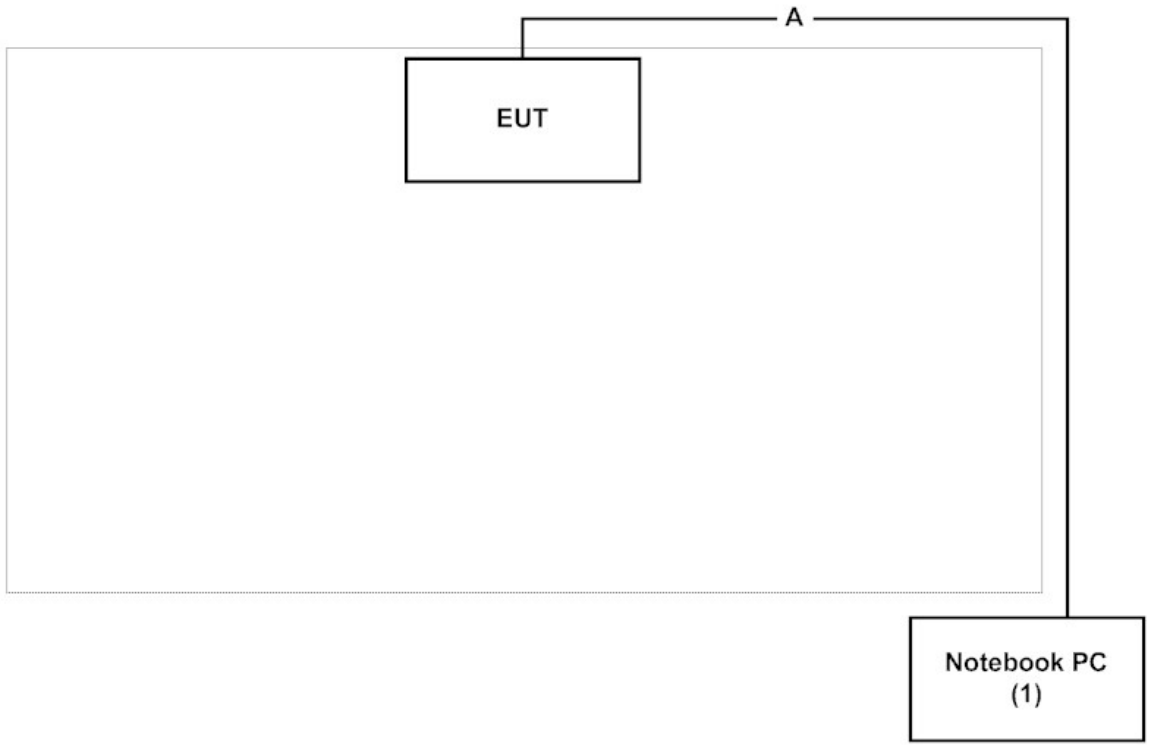
1.3. Tested System Details

The types for all equipment, 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	DELL	Latitude 600	N/A	DoC	Non-Shielded, 1.7m, one ferrite core bonded

1.4. Configuration of tested System

Connection Diagram



Signal Cable Type		Signal cable Description
A	LAN Cable	Non-Shielded, 4m

1.5. EUT Exercise Software

1	Setup the EUT as shown in Section 1.4.
2	Execute the “QCA Radio Control Toolkit” on the laptop.
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	Test Site
Temperature (°C)	FCC PART 15 C 15.207 Conducted Emission	15 - 35	20	3
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	3
Humidity (%RH)		25 - 75	45	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 Radiated Emission	15 - 35	25	2
Humidity (%RH)		25 - 75	65	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 RF antenna conducted test	15 - 35	25	3
Humidity (%RH)		25 - 75	45	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 Band Edge	15 - 35	25	2
Humidity (%RH)		25 - 75	48	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 DTS Bandwidth	15 - 35	25	3
Humidity (%RH)		25 - 75	45	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 Occupied Bandwidth	15 - 35	25	3
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	3
Humidity (%RH)		25 - 75	45	
Barometric pressure (mbar)		860 - 1060	950-1000	

Note: Test site information refers to Laboratory Information.

USA : FCC, Registration Number: TW3024

The related certificate for our laboratories about the test site and management system can be downloaded from DEKRA Testing and Certification Co., Ltd. Web Site :
http://www.dekra.com.tw/english/about/certificates.aspx?bval=5
The address and introduction of DEKRA Testing and Certification Co., Ltd. laboratories can be founded in our Web site : http://www.dekra.com.tw/index_en.aspx

If you have any comments, Please don't hesitate to contact us. Our test sites as below:

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1.7. Duty Cycle

Modulation	Duty cycle	Radiated offset
802.11b	≒98%	--
802.11g	≒97%	0.338
802.11n20	≒92%	0.682
802.11n40	≒98%	0.220

Note:

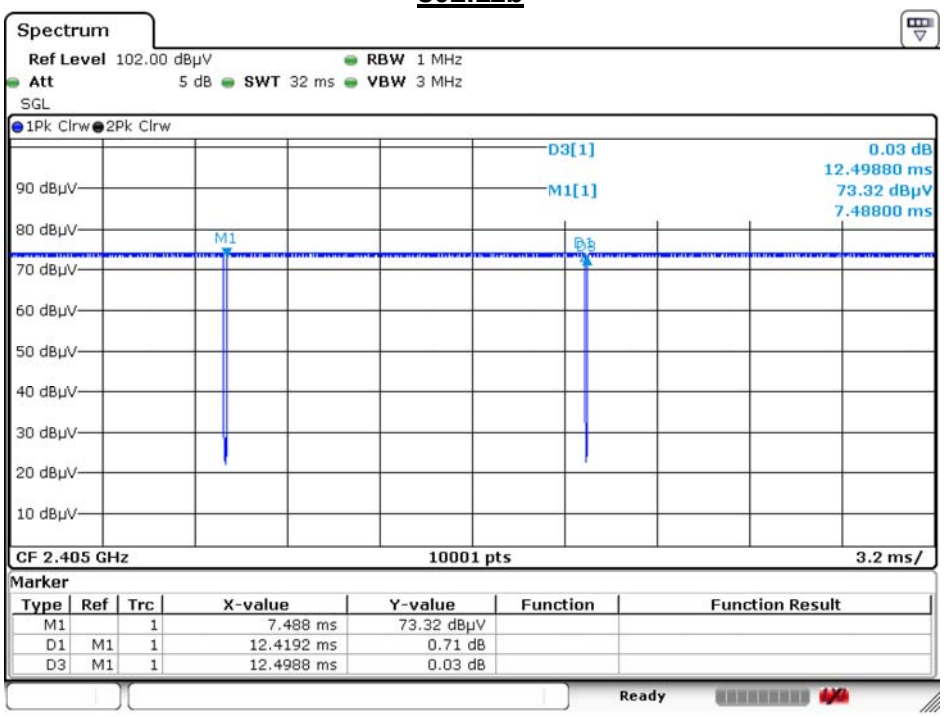
Offset = 20 log(1/duty cycle)

Accotding to KDB 789033

If power averaging (rms) mode was used in step (iv) above, the correction factor is 10 log (1/x), where x is the duty cycle. For example, if the transmit duty cycle was 50%, then 3 dB must be added to the measured emission levels.

If linear voltage averaging mode was used in step (iv) above, the correction factor is 20 log (1/x), where x is the duty cycle. For example, if the transmit duty cycle was 50%, then 6 dB must be added to the measured emission levels.

802.11b



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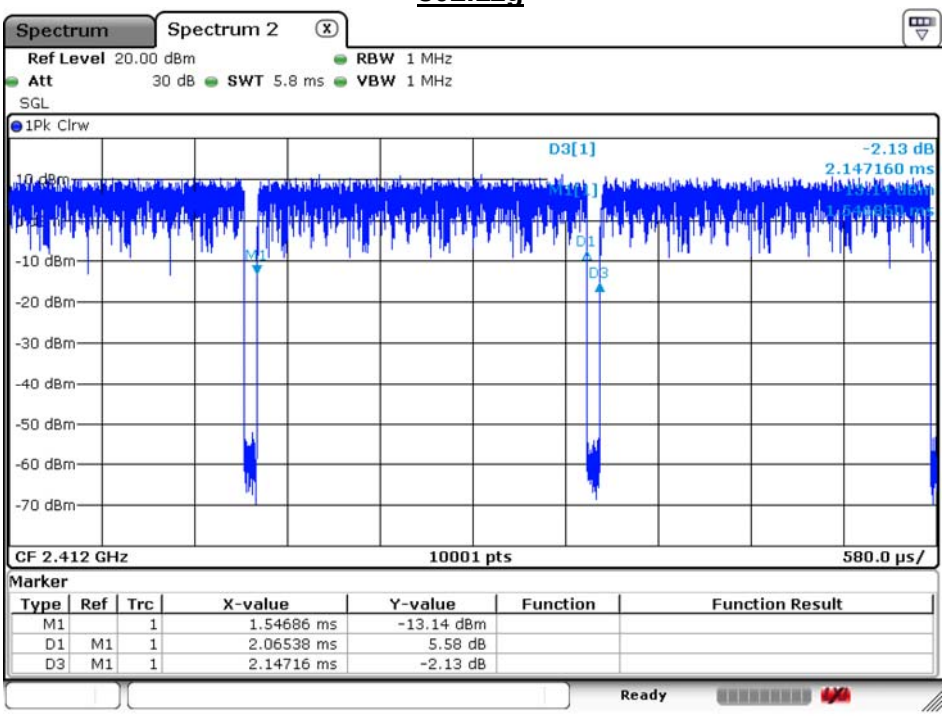
802.11g



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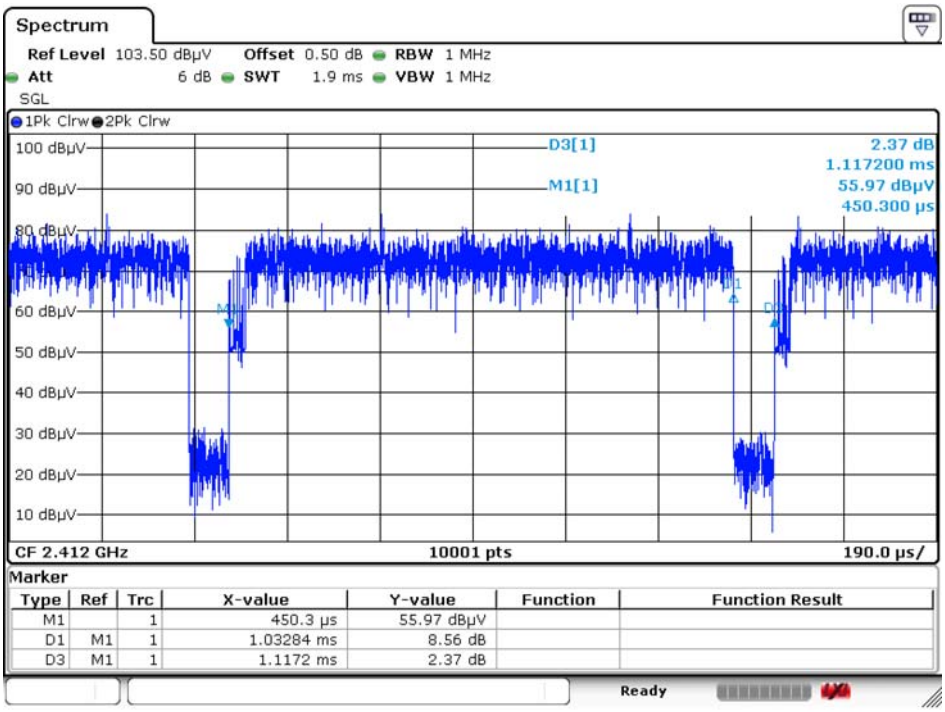
802.11n(20M)



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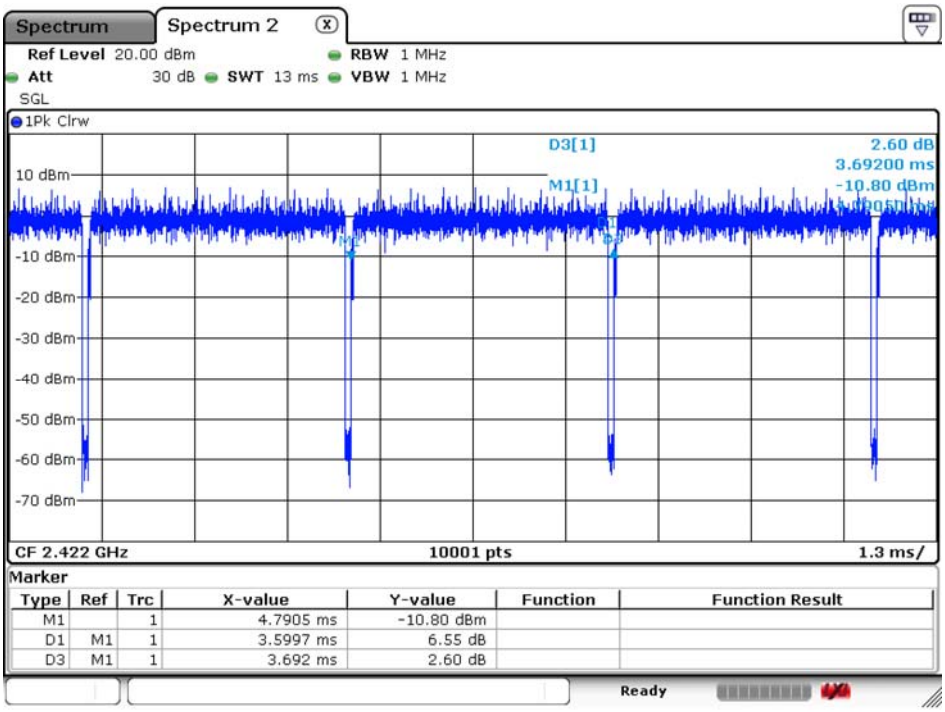
802.11n(40M)



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2. Conducted Emission

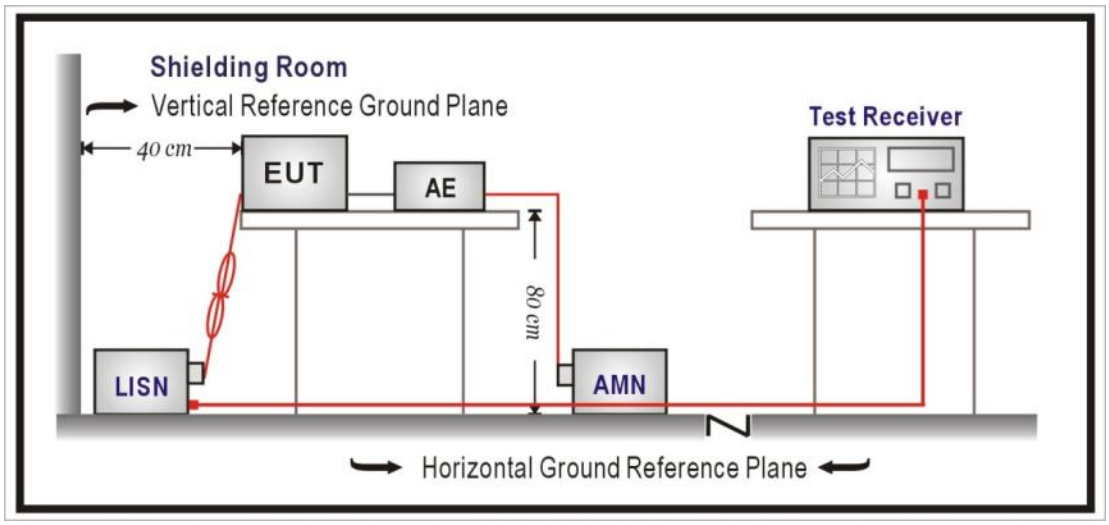
2.1. Test Equipment

The following test equipment are used during the test:

Conducted Emission /SR2-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Artificial Mains Network	R&S	ENV4200	848411/010	2017/02/06	2018/02/05
Test Receiver	R&S	ESCS 30	836858/022	2017/04/12	2018/04/11
LISN	R&S	ENV216	100092	2017/07/31	2018/07/30

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 D01V04 for compliance to FCC 47CFR 15.247 requirements.
The EUT and its simulators are placed on a turn table which is 0.8 or 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level.
The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10:2013 on radiated measurement.
On any frequency or frequencies form 9KHz(inculde The the lowest oscillator frequency generated within the device up to the 10th harmonic) 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

2.5. Test Specification

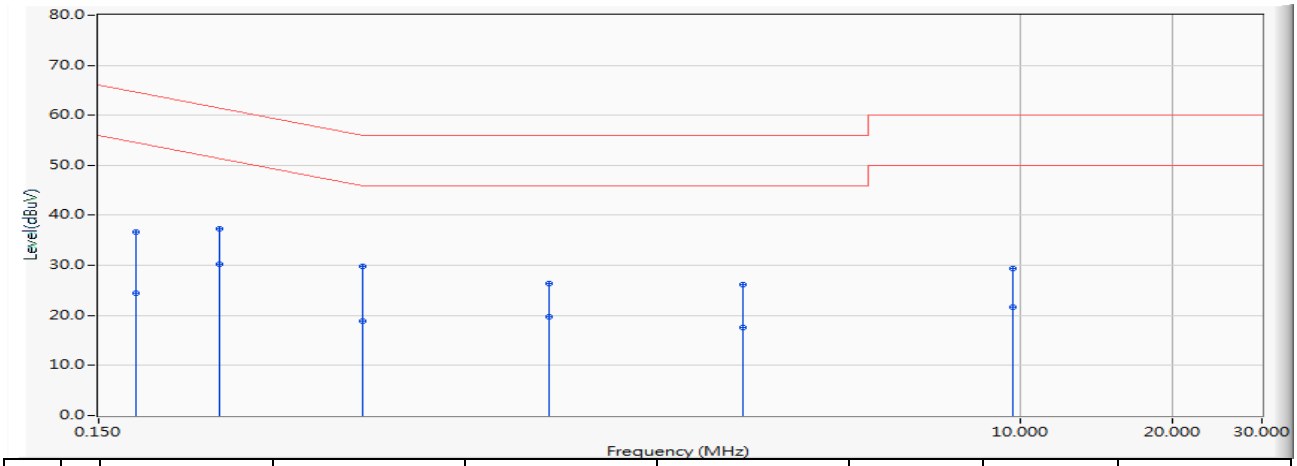
According to FCC Part 15 Subpart C Paragraph 15.247: 2016

2.6. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

2.7. Test Result

Site : SR2-H	**Time : 2017/11/15**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-6_0712 - Line1	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 2: Transmit_MIMO Mode_ 802.11n40_2437MHz**

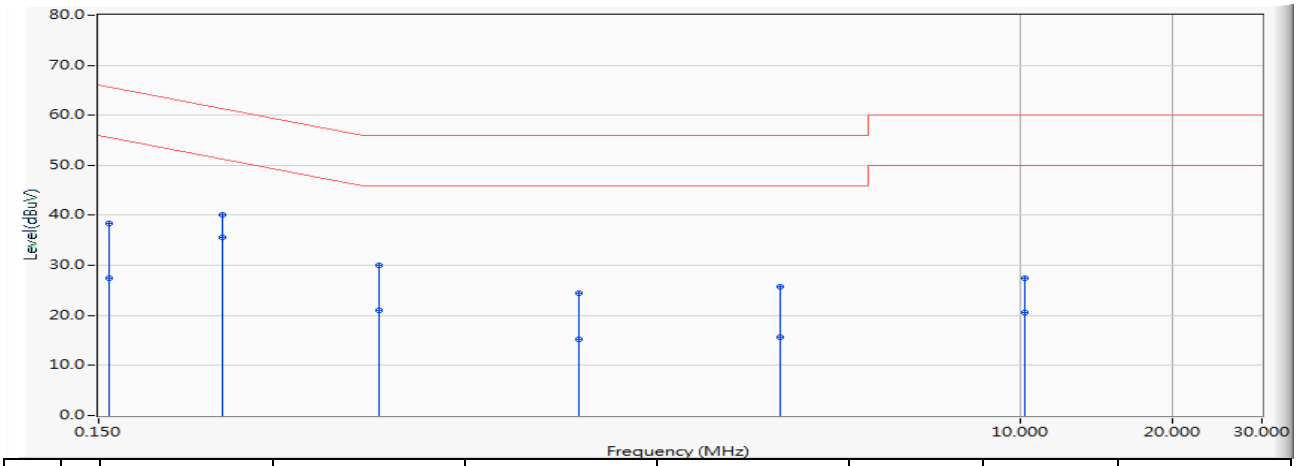


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.177	9.752	26.920	36.672	-27.937	64.609	QUASIPEAK
2		0.177	9.752	14.720	24.472	-30.137	54.609	AVERAGE
3		0.259	9.744	27.620	37.364	-24.087	61.451	QUASIPEAK
4	*	0.259	9.744	20.520	30.264	-21.187	51.451	AVERAGE
5		0.498	9.729	20.000	29.729	-26.310	56.039	QUASIPEAK
6		0.498	9.729	9.150	18.879	-27.160	46.039	AVERAGE
7		1.170	9.827	16.490	26.317	-29.683	56.000	QUASIPEAK
8		1.170	9.827	9.890	19.717	-26.283	46.000	AVERAGE
9		2.826	9.885	16.300	26.185	-29.815	56.000	QUASIPEAK
10		2.826	9.885	7.670	17.555	-28.445	46.000	AVERAGE
11		9.634	10.114	19.170	29.285	-30.715	60.000	QUASIPEAK
12		9.634	10.114	11.450	21.565	-28.435	50.000	AVERAGE

Note:

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

Site : SR2-H	**Time : 2017/11/15**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-6_0712 - Line2	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 2: Transmit_MIMO Mode_ 802.11n40_2437MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.158	9.751	28.610	38.361	-27.217	65.578	QUASIPEAK
2		0.158	9.751	17.740	27.491	-28.087	55.578	AVERAGE
3		0.263	9.750	30.250	40.000	-21.327	61.327	QUASIPEAK
4	*	0.263	9.750	25.810	35.560	-15.767	51.327	AVERAGE
5		0.537	9.750	20.190	29.940	-26.060	56.000	QUASIPEAK
6		0.537	9.750	11.290	21.040	-24.960	46.000	AVERAGE
7		1.338	9.830	14.540	24.370	-31.630	56.000	QUASIPEAK
8		1.338	9.830	5.470	15.300	-30.700	46.000	AVERAGE
9		3.342	9.843	15.980	25.823	-30.177	56.000	QUASIPEAK
10		3.342	9.843	5.890	15.733	-30.267	46.000	AVERAGE
11		10.173	10.155	17.240	27.396	-32.604	60.000	QUASIPEAK
12		10.173	10.155	10.420	20.576	-29.424	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

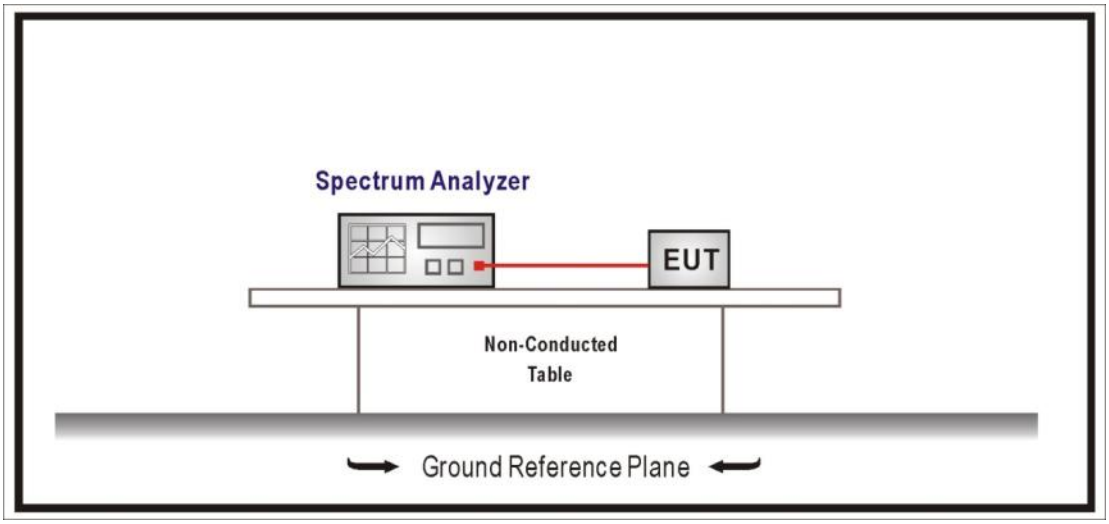
3.1. Test Equipment

The following test equipment are used during the test:

Peak Power Output / SR10-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal & Spectrum Analyzer	R&S	FSV40	101049	2017/01/23	2018/01/22
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2017/03/13	2018/03/12
Spectrum Analyzer	Agilent	N9010A	US47140172	2017/07/26	2018/07/25

3.2. Test Setup



3.3. Test procedures

The EUT was tested according to DTS test procedure section 9.1.2 of KDB558074 D01V04 Measurement to FCC 47CFR 15.247 requirements.

3.4. Limits

The maximum peak power shall be less 1 Watt.

3.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2016

3.6. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB.

3.7. Test Result

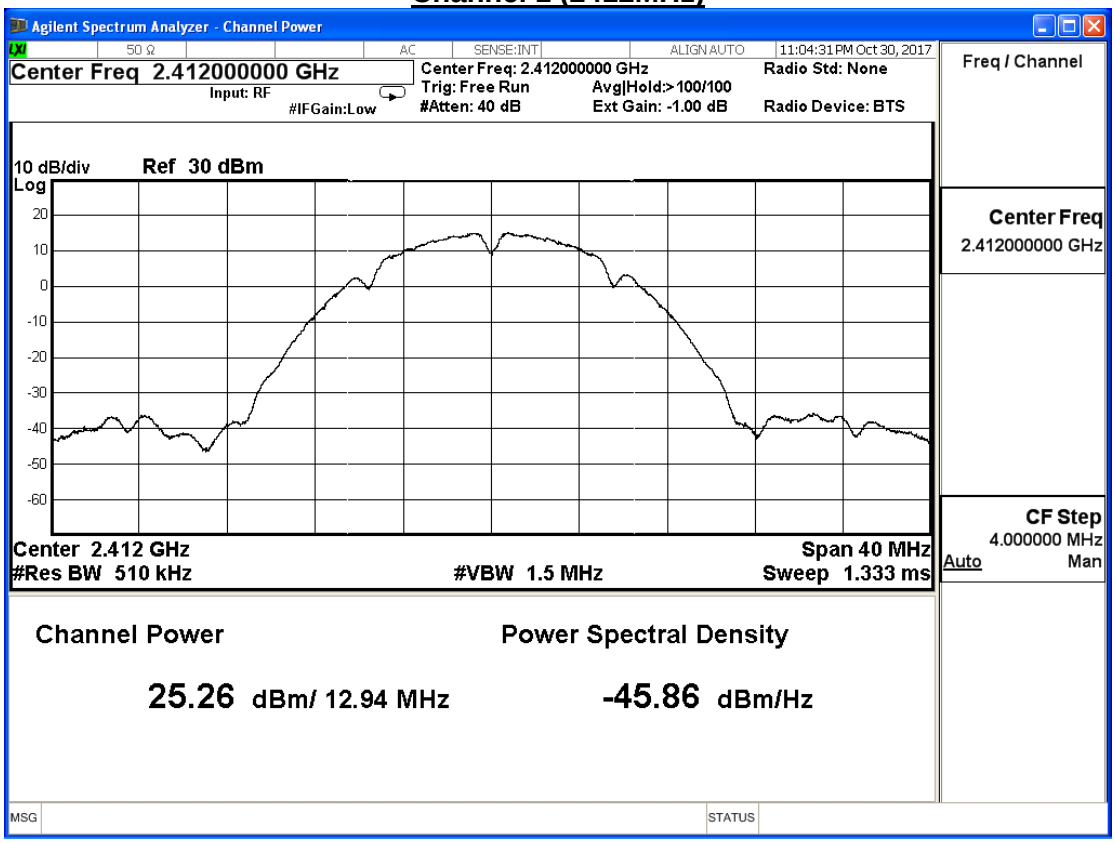
Product	Verizon Mesh Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_CDD Mode		
Date of Test	2017/10/30	Test Site	SR10-H

IEEE 802.11b (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	25.260	≦30
6	2437	25.470	≦30
11	2462	25.560	≦30

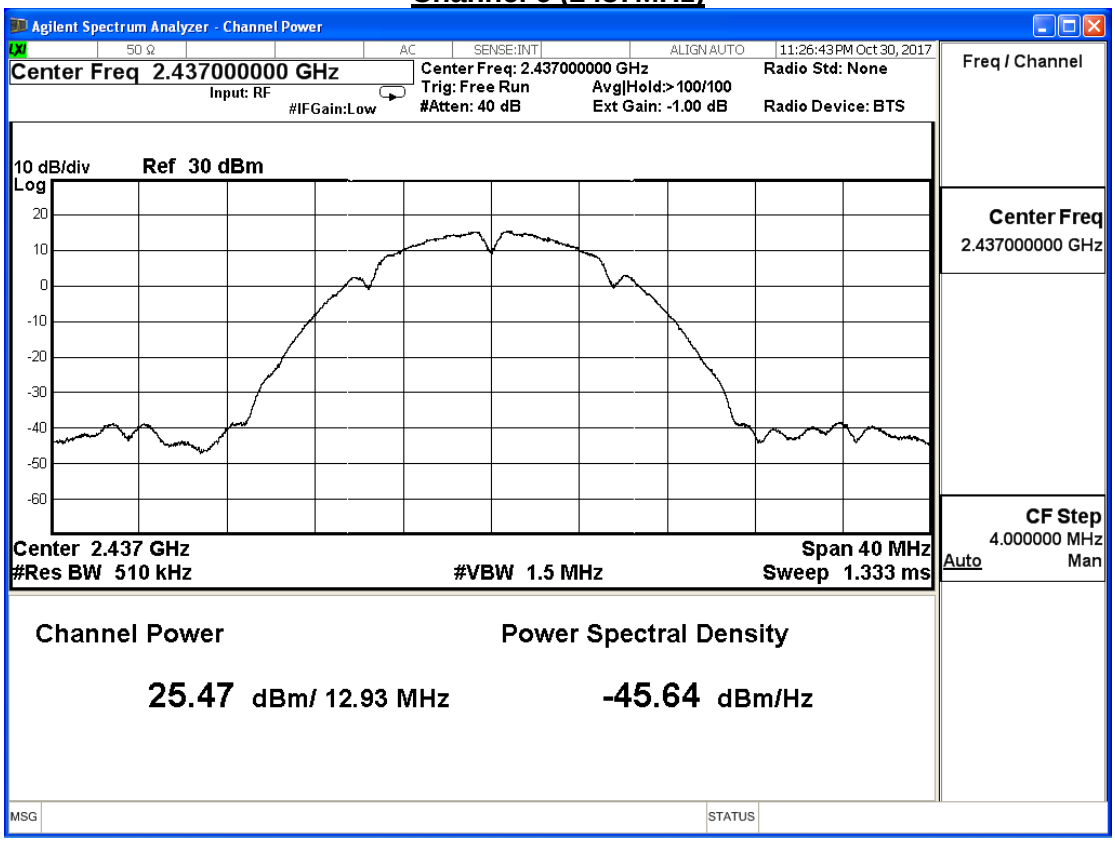
The worst emission of data rate is 1 Mbps

Peak Power Output (dBm)						
Channel No	Frequency (MHz)	Data Rate (Mbps)				Required Limit
		1	2	5.5	11	
1	2412	25.260	--	--	--	≦30
6	2437	25.470	25.170	24.970	24.670	≦30
11	2462	25.560	--	--	--	≦30

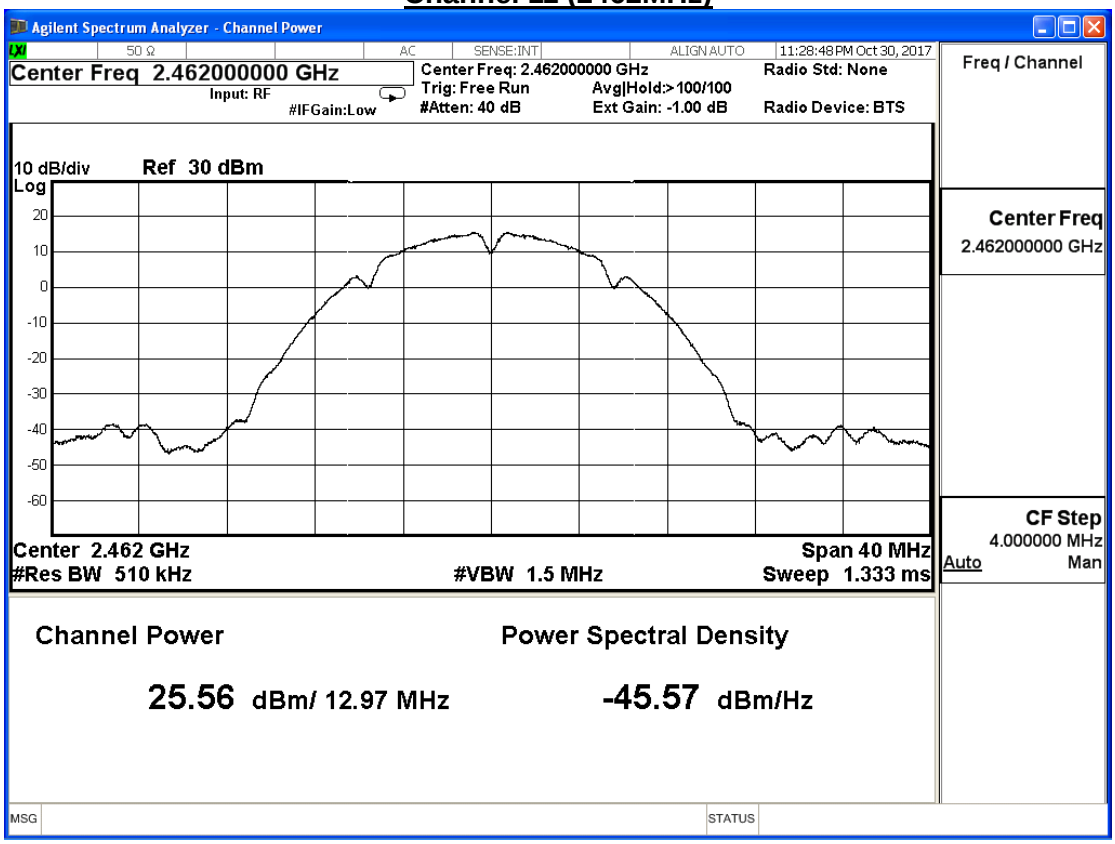
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



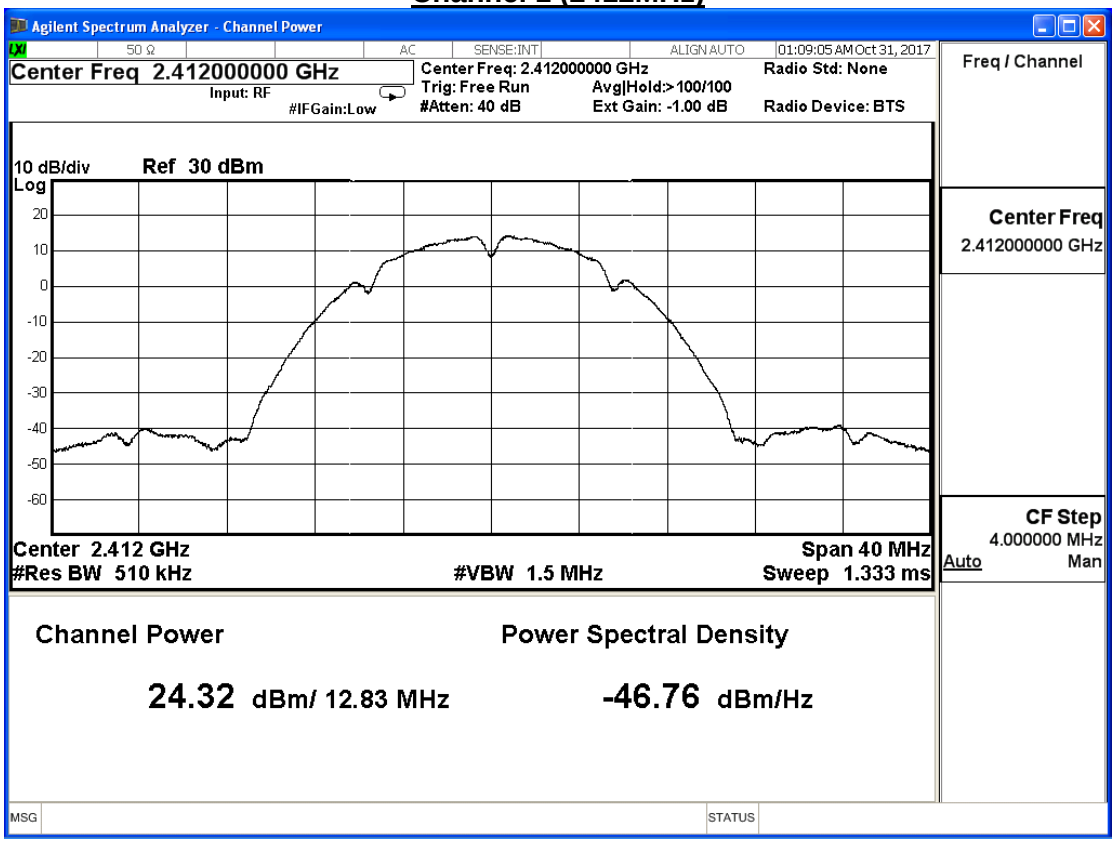
Product	Verizon Mesh Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_CDD Mode		
Date of Test	2017/10/30	Test Site	SR10-H

IEEE 802.11b (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	24.320	≦30
6	2437	24.630	≦30
11	2462	24.940	≦30

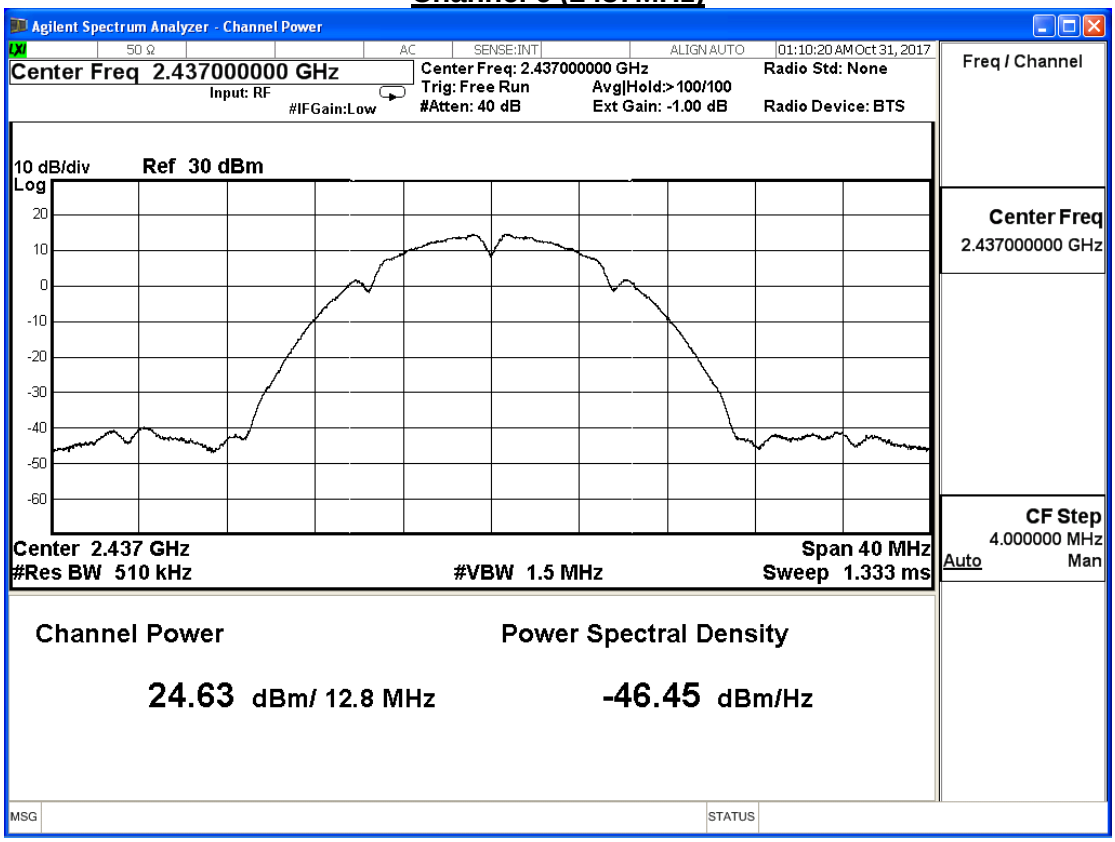
The worst emission of data rate is 1 Mbps

Peak Power Output (dBm)						
Channel No	Frequency (MHz)	Data Rate (Mbps)				Required Limit
		1	2	5.5	11	
1	2412	24.320	--	--	--	≦30
6	2437	24.630	24.330	24.130	23.830	≦30
11	2462	24.940	--	--	--	≦30

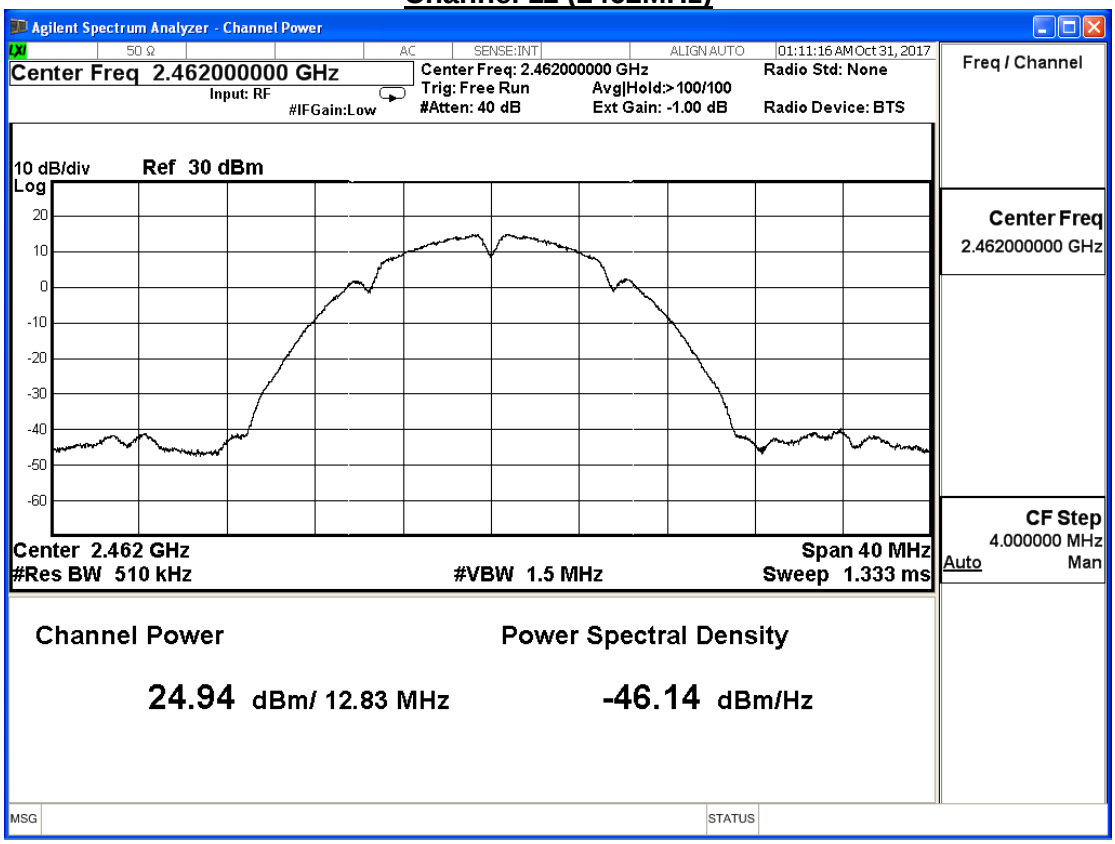
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



Product	Verizon Mesh Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_CDD Mode		
Date of Test	2017/10/30	Test Site	SR10-H

IEEE 802.11b (ANT 0+1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	27.826	≦30
6	2437	28.081	≦30
11	2462	28.271	≦30

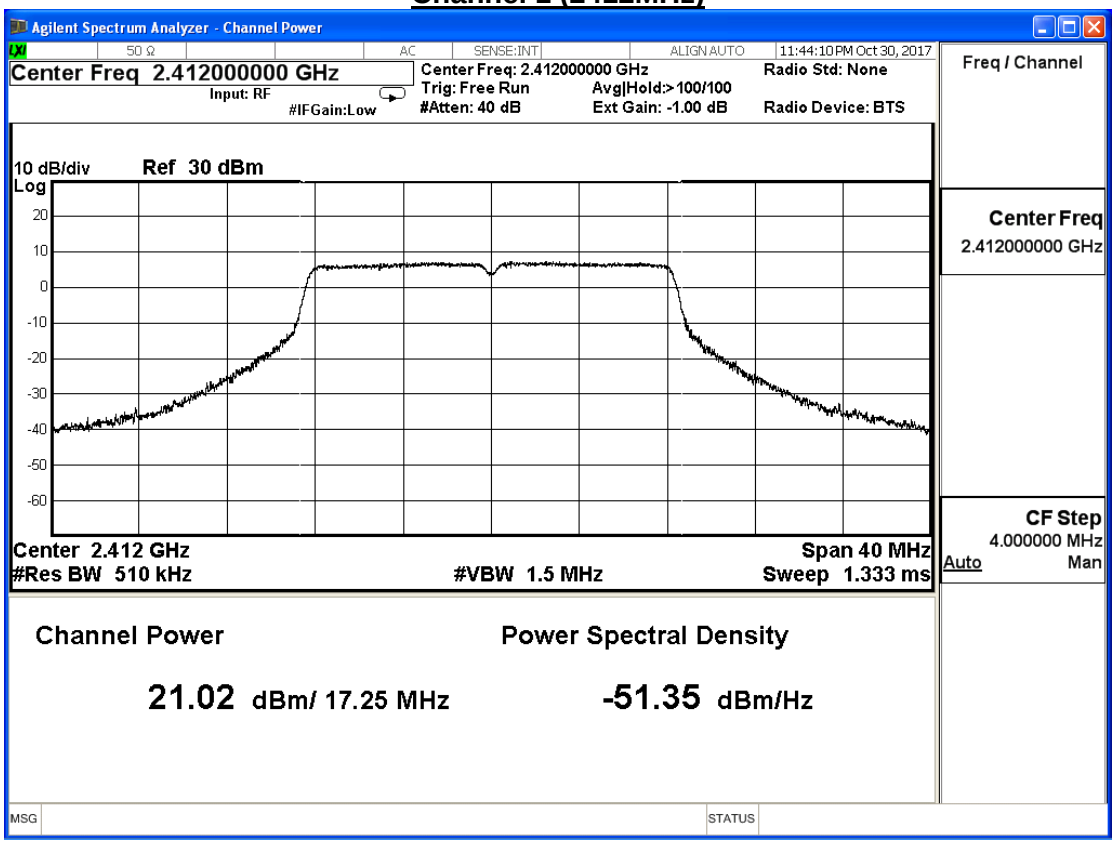
Product	Verizon Mesh Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_CDD Mode		
Date of Test	2017/10/30	Test Site	SR10-H

IEEE 802.11g (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	21.020	≦30
6	2437	25.460	≦30
11	2462	20.180	≦30

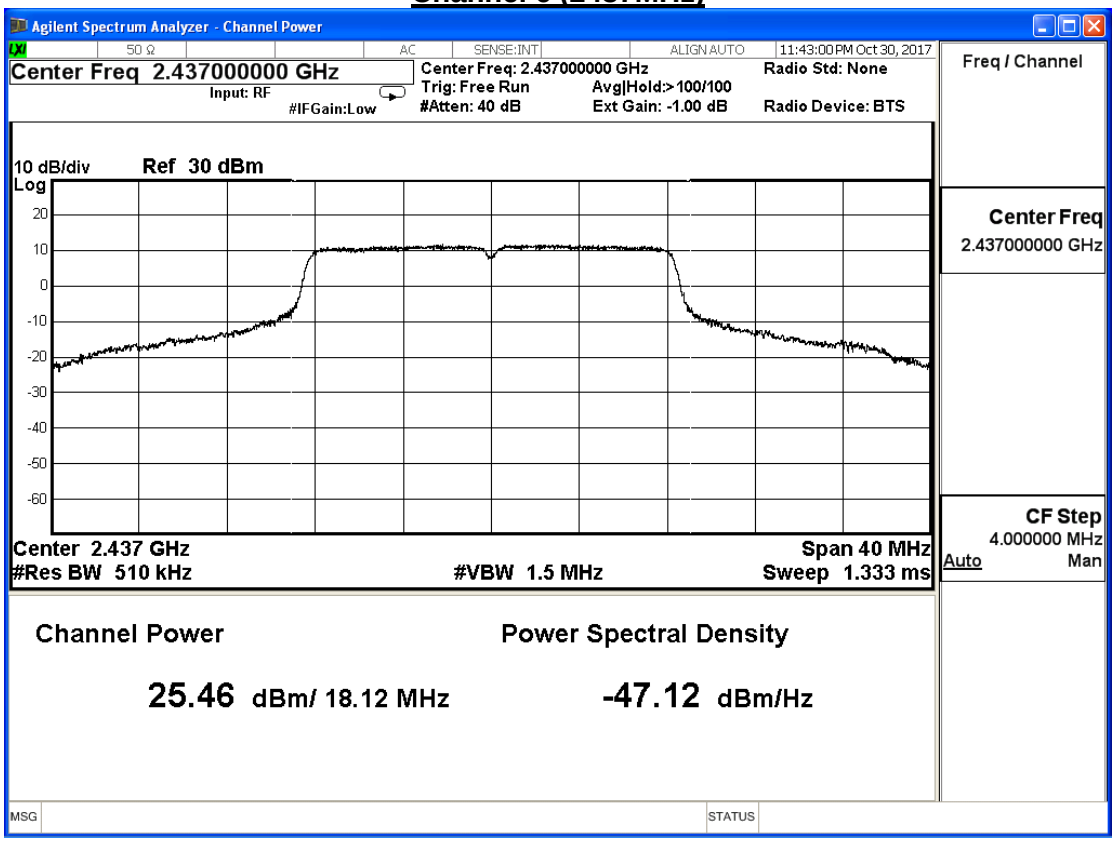
The worst emission of data rate is 6Mbps

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate (Mbps)							Required Limit
		6	12	18	24	36	48	54	
1	2412	21.020	--	--	--	--	--	--	≦30
6	2437	25.460	25.160	24.960	24.660	24.360	24.160	23.860	≦30
11	2462	20.180	--	--	--	--	--	--	≦30

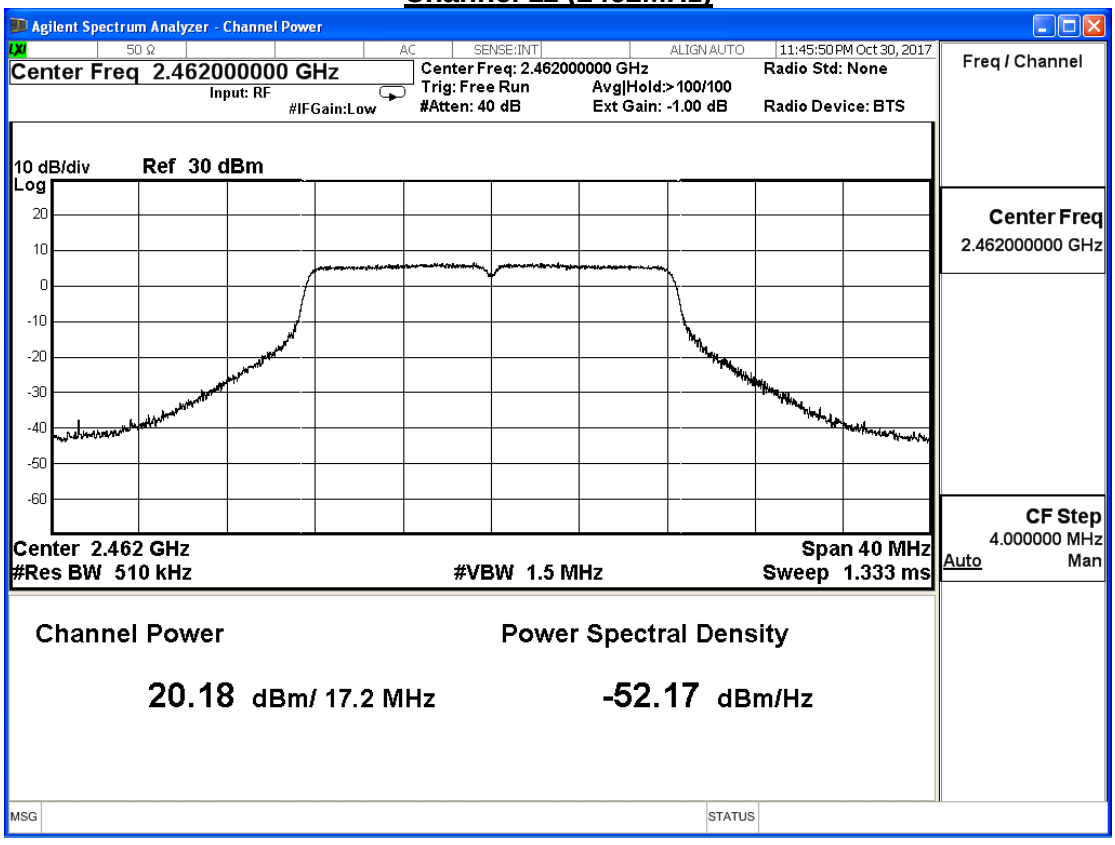
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



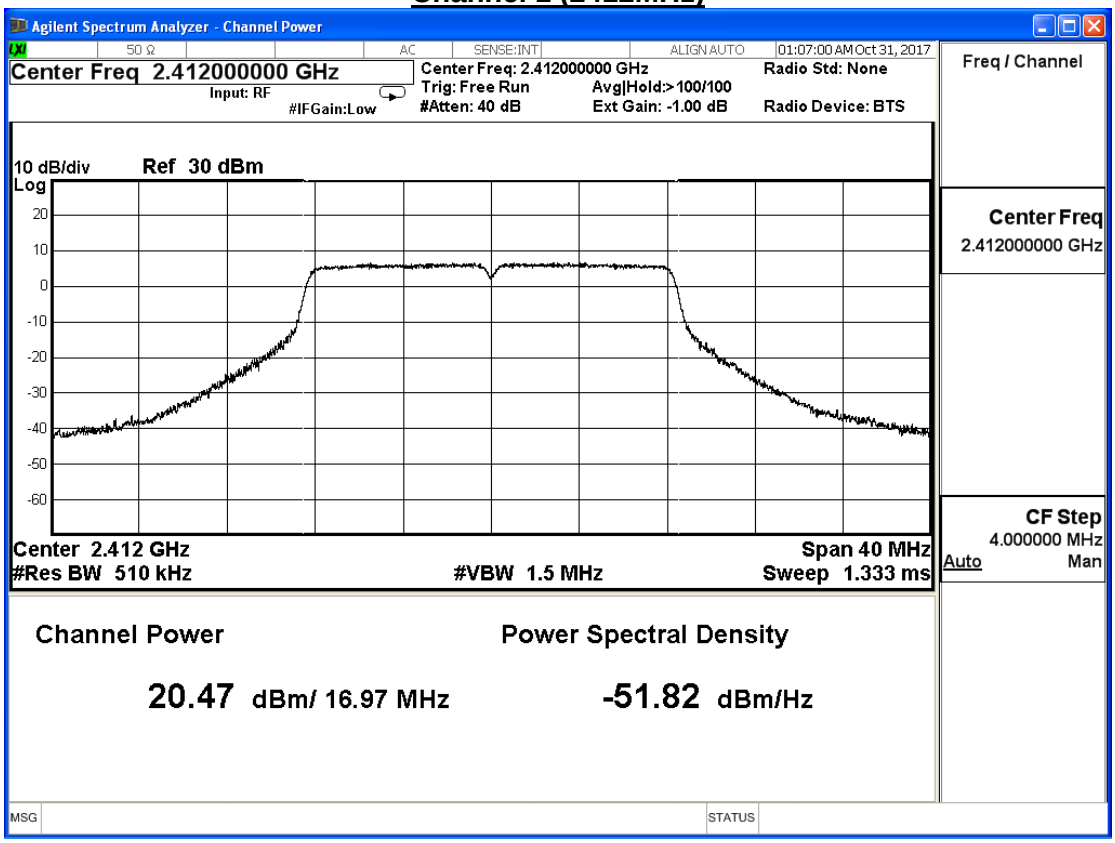
Product	Verizon Mesh Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_CDD Mode		
Date of Test	2017/10/30	Test Site	SR10-H

IEEE 802.11g (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	20.470	≦30
6	2437	24.700	≦30
11	2462	19.750	≦30

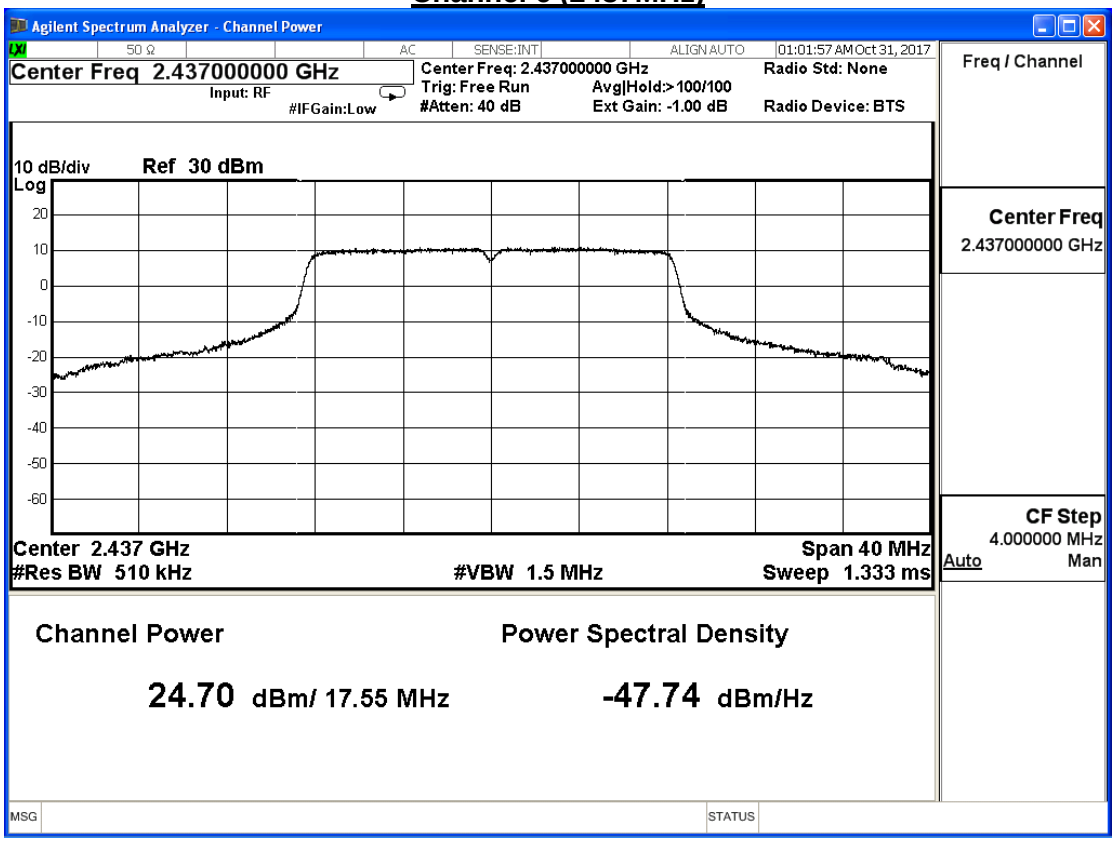
The worst emission of data rate is 6Mbps

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate (Mbps)							Required Limit
		6	12	18	24	36	48	54	
1	2412	20.470	--	--	--	--	--	--	≦30
6	2437	24.700	24.400	24.200	23.900	23.600	23.400	23.100	≦30
11	2462	19.750	--	--	--	--	--	--	≦30

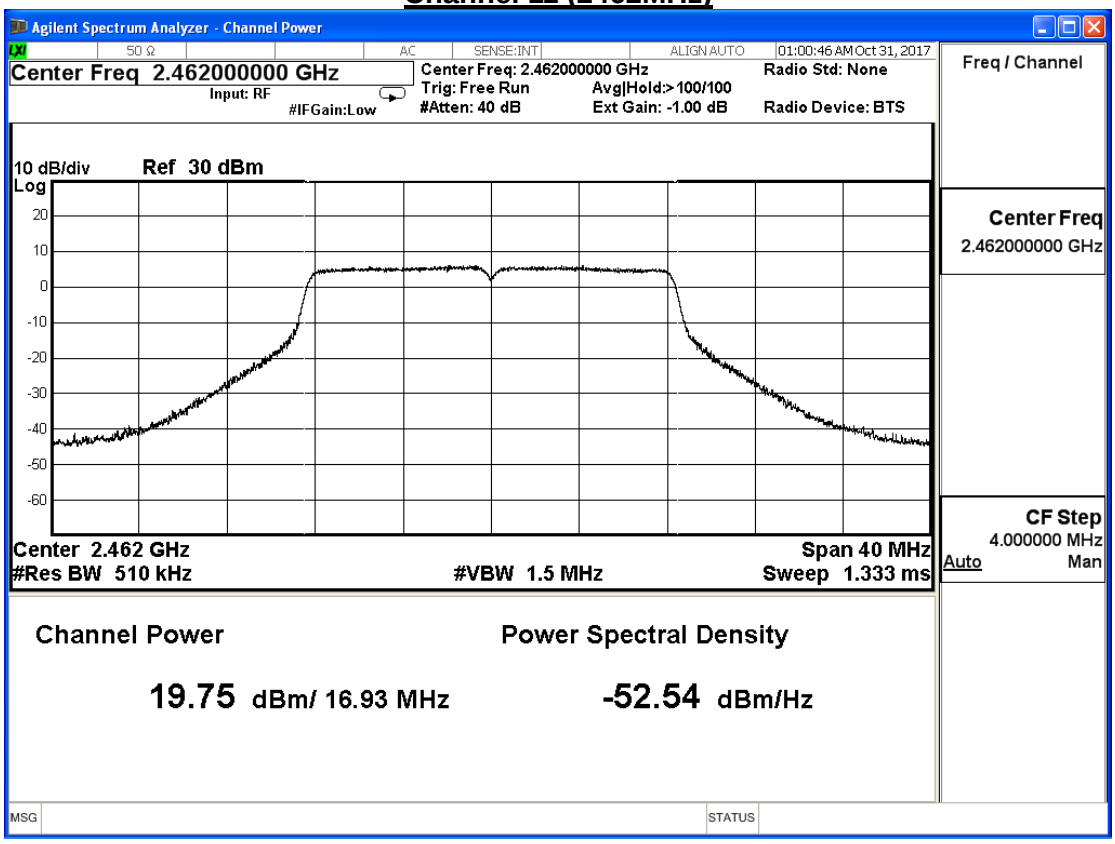
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



Product	Verizon Mesh Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_CDD Mode		
Date of Test	2017/10/30	Test Site	SR10-H

IEEE 802.11g (ANT 0+1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	23.764	≦30
6	2437	28.107	≦30
11	2462	22.981	≦30

Product	Verizon Mesh Router		
Test Item	Peak Power Output		
Test Mode	Mode 2: Transmit_MIMO Mode		
Date of Test	2017/10/30	Test Site	SR10-H

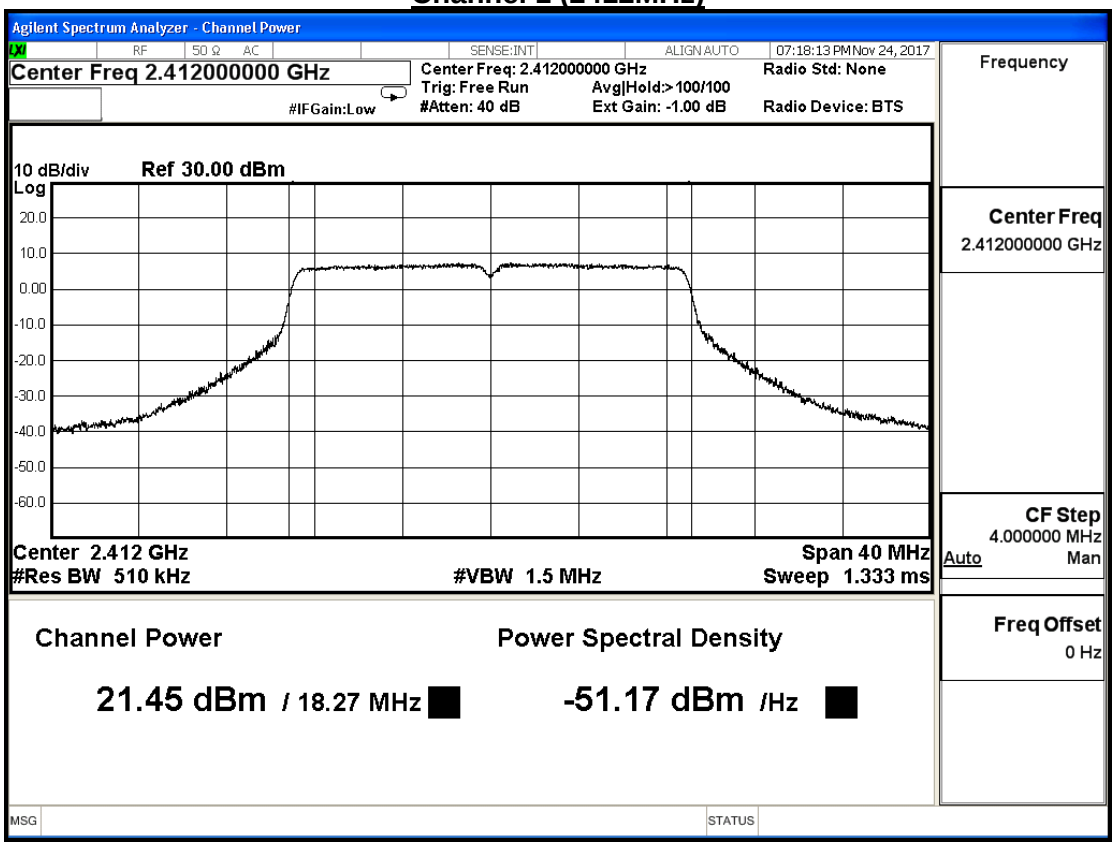
IEEE 802.11n(20MHz) (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	21.450	≦29.39
6	2437	25.360	≦29.39
11	2462	20.470	≦29.39

The worst emission of data rate is MCS 8

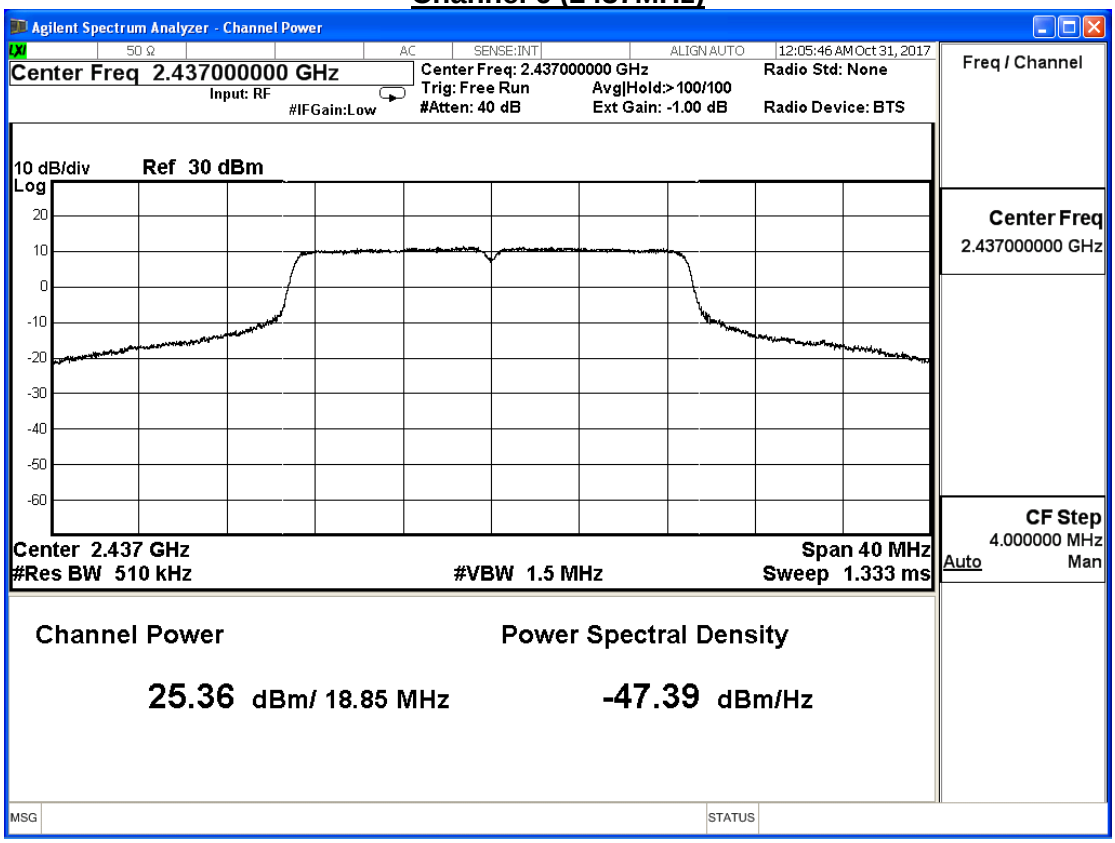
Peak Power Output (dBm)										
Channel No	Frequency (MHz)	MCS index								Required Limit (dBm)
		8	9	10	11	12	13	14	15	
1	2412	21.450	--	--	--	--	--	--	--	≦29.39
6	2437	25.360	25.060	24.860	24.560	24.260	24.060	23.760	23.460	≦29.39
11	2462	20.470	--	--	--	--	--	--	--	≦29.39

Note: Array Gain: Antenna gain +10 log(N) =3.6+3.01 = 6.61dBi
Limit = 30-(6.61-6) = 29.39 dBm

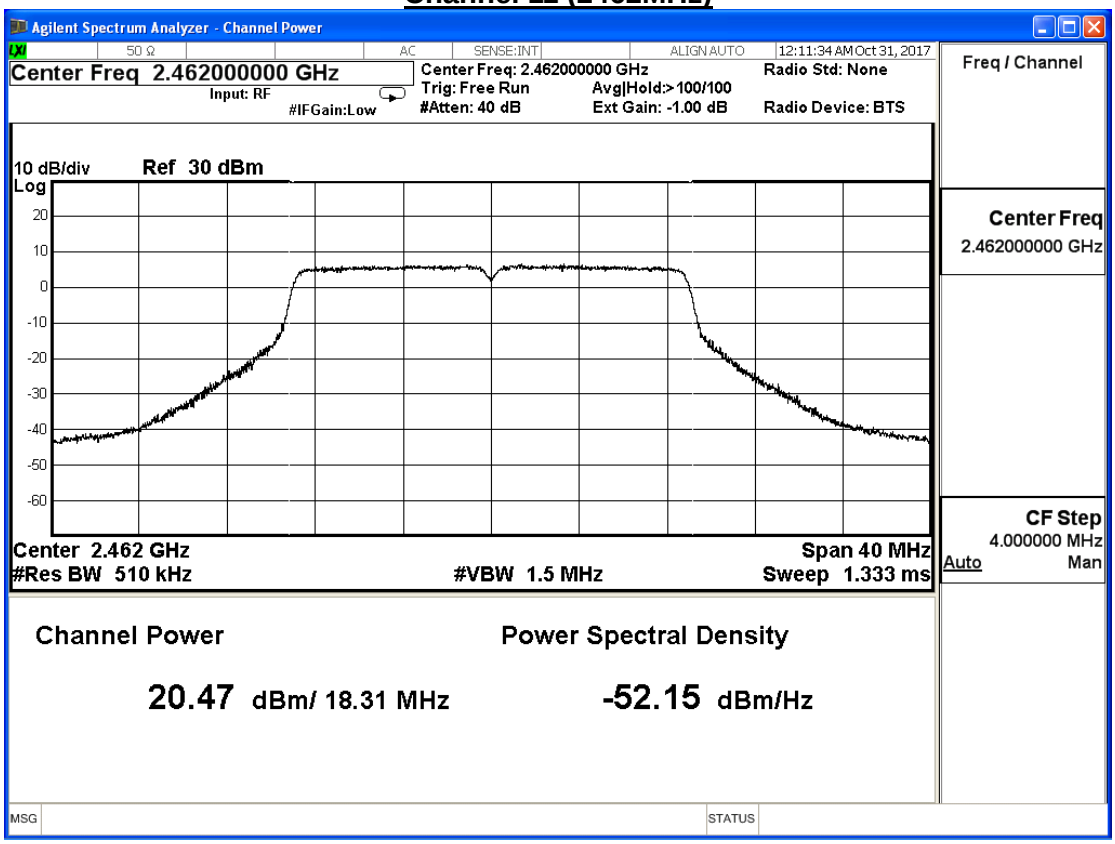
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



Product	Verizon Mesh Router		
Test Item	Peak Power Output		
Test Mode	Mode 2: Transmit_MIMO Mode		
Date of Test	2017/10/30	Test Site	SR10-H

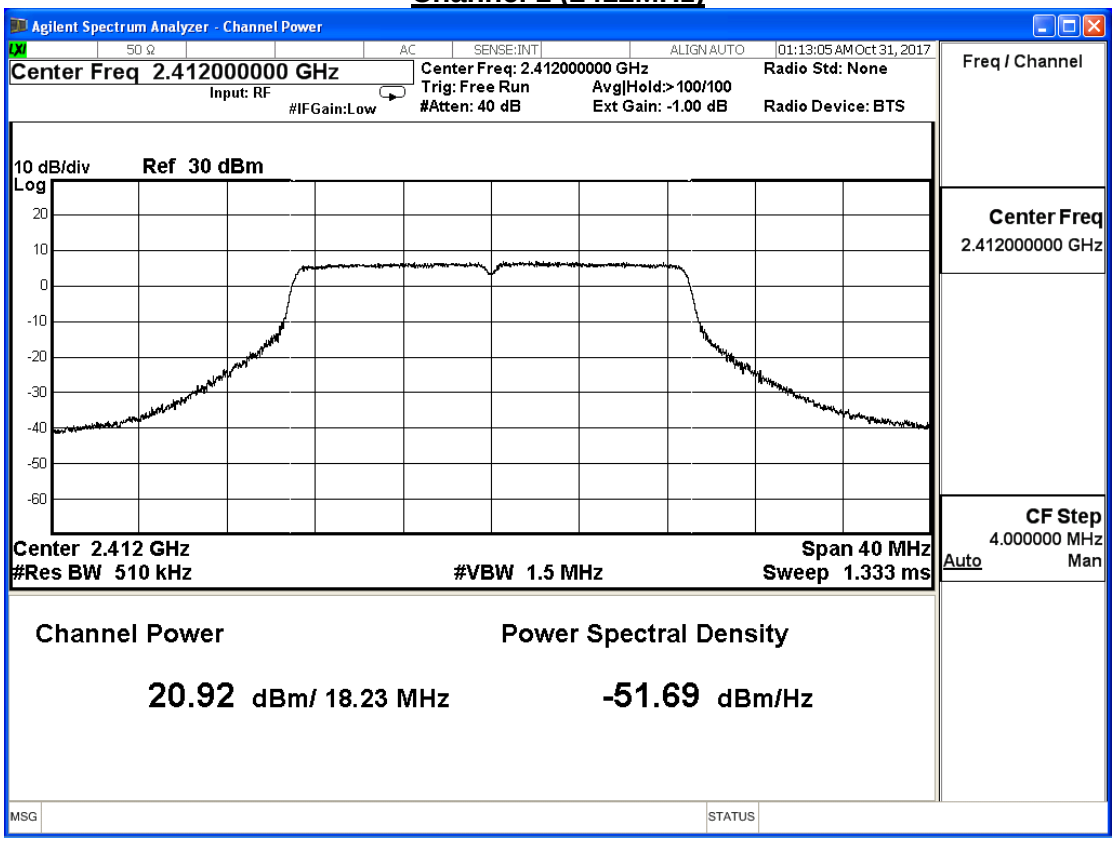
IEEE 802.11n(20MHz) (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	20.920	≦29.39
6	2437	24.790	≦29.39
11	2462	20.310	≦29.39

The worst emission of data rate is MCS 8

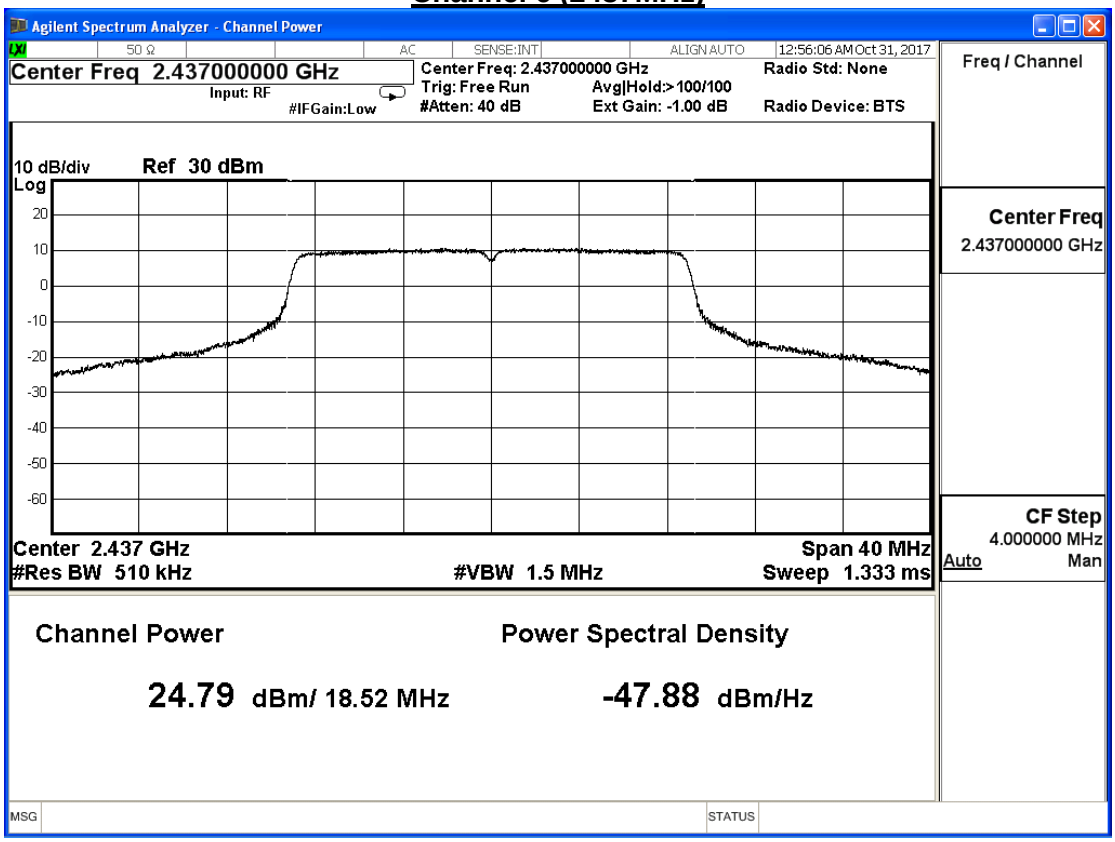
Peak Power Output (dBm)										
Channel No	Frequency (MHz)	MCS index								Required Limit (dBm)
		8	9	10	11	12	13	14	15	
1	2412	20.920	--	--	--	--	--	--	--	≦29.39
6	2437	24.790	24.490	24.290	23.990	23.690	23.490	23.190	22.890	≦29.39
11	2462	20.310	--	--	--	--	--	--	--	≦29.39

Note: Array Gain: Antenna gain +10 log(N) =3.6+3.01 = 6.61dBi
Limit = 30-(6.61-6) = 29.39 dBm

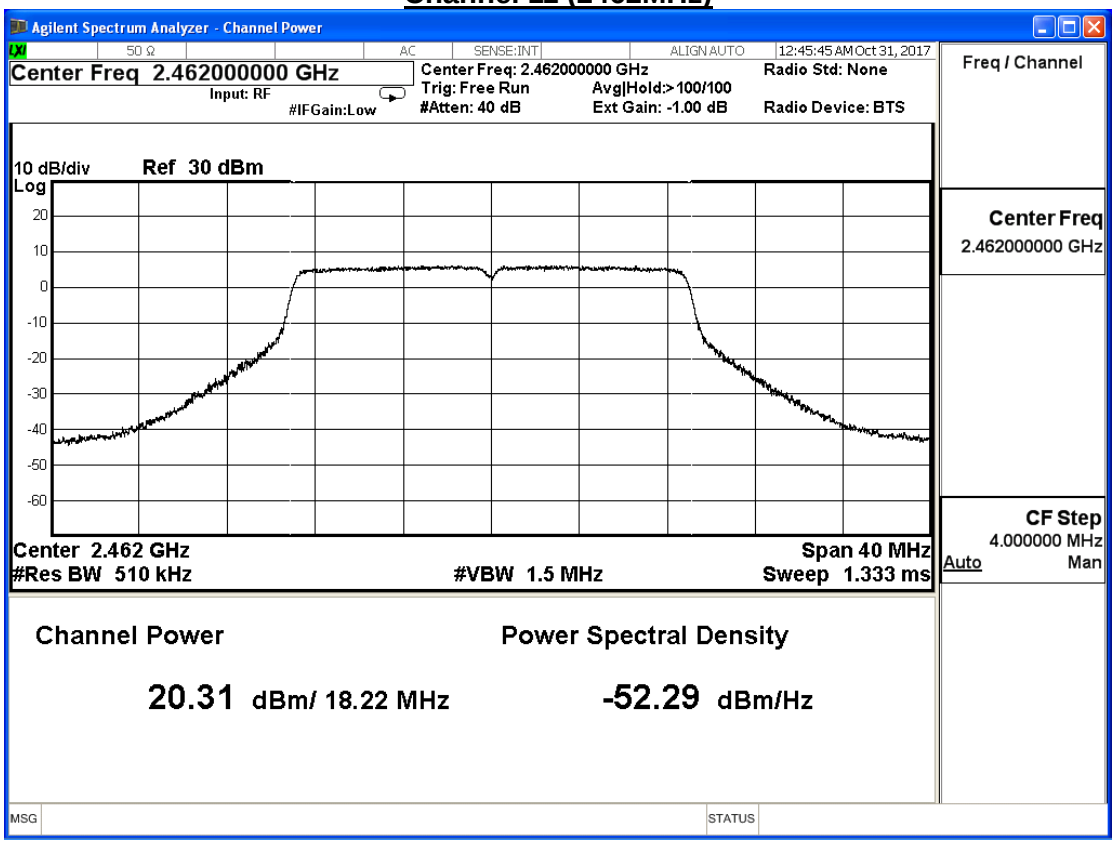
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



Product	Verizon Mesh Router		
Test Item	Peak Power Output		
Test Mode	Mode 2: Transmit_MIMO Mode		
Date of Test	2017/10/30	Test Site	SR10-H

IEEE 802.11n(20MHz) (ANT 0+1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	24.203	≦29.39
6	2437	28.095	≦29.39
11	2462	23.401	≦29.39

Product	Verizon Mesh Router		
Test Item	Peak Power Output		
Test Mode	Mode 2: Transmit_MIMO Mode		
Date of Test	2017/10/30	Test Site	SR10-H

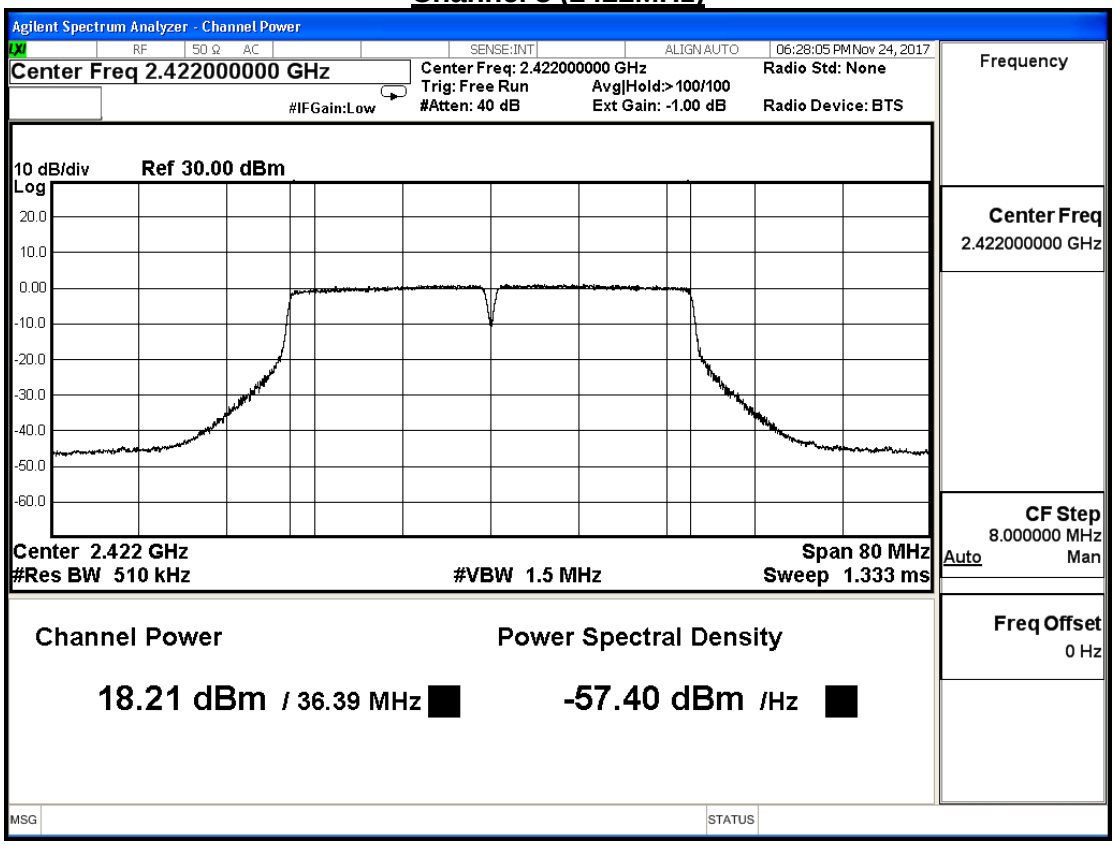
IEEE 802.11n(40MHz) (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	18.210	≦29.39
6	2437	22.180	≦29.39
9	2452	17.220	≦29.39

The worst emission of data rate is MCS 8

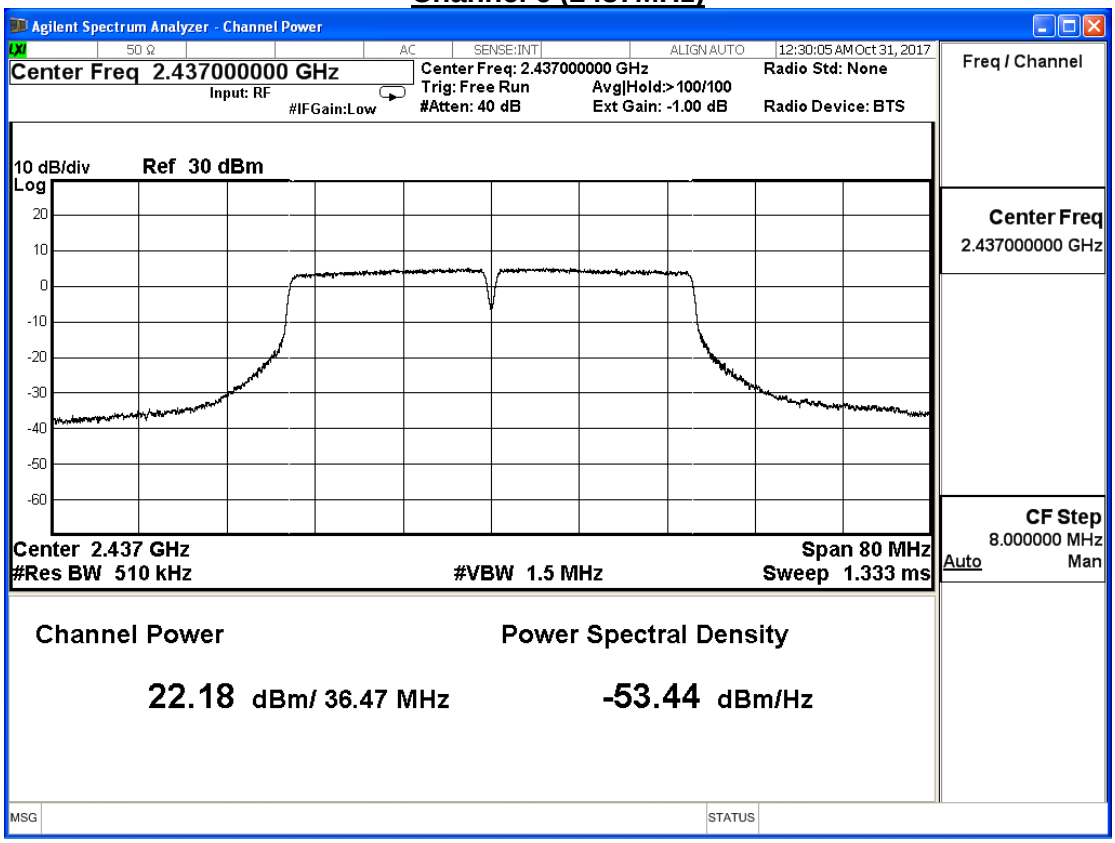
Peak Power Output (dBm)										
Channel No	Frequency (MHz)	MCS index								Required Limit (dBm)
		8	9	10	11	12	13	14	15	
3	2422	18.210	--	--	--	--	--	--	--	≦29.39
6	2437	22.180	21.880	21.680	21.380	21.080	20.880	20.580	20.280	≦29.39
9	2452	17.220	--	--	--	--	--	--	--	≦29.39

Note: Array Gain: Antenna gain +10 log(N) =3.6+3.01 = 6.61dBi
Limit = 30-(6.61-6) = 29.39 dBm

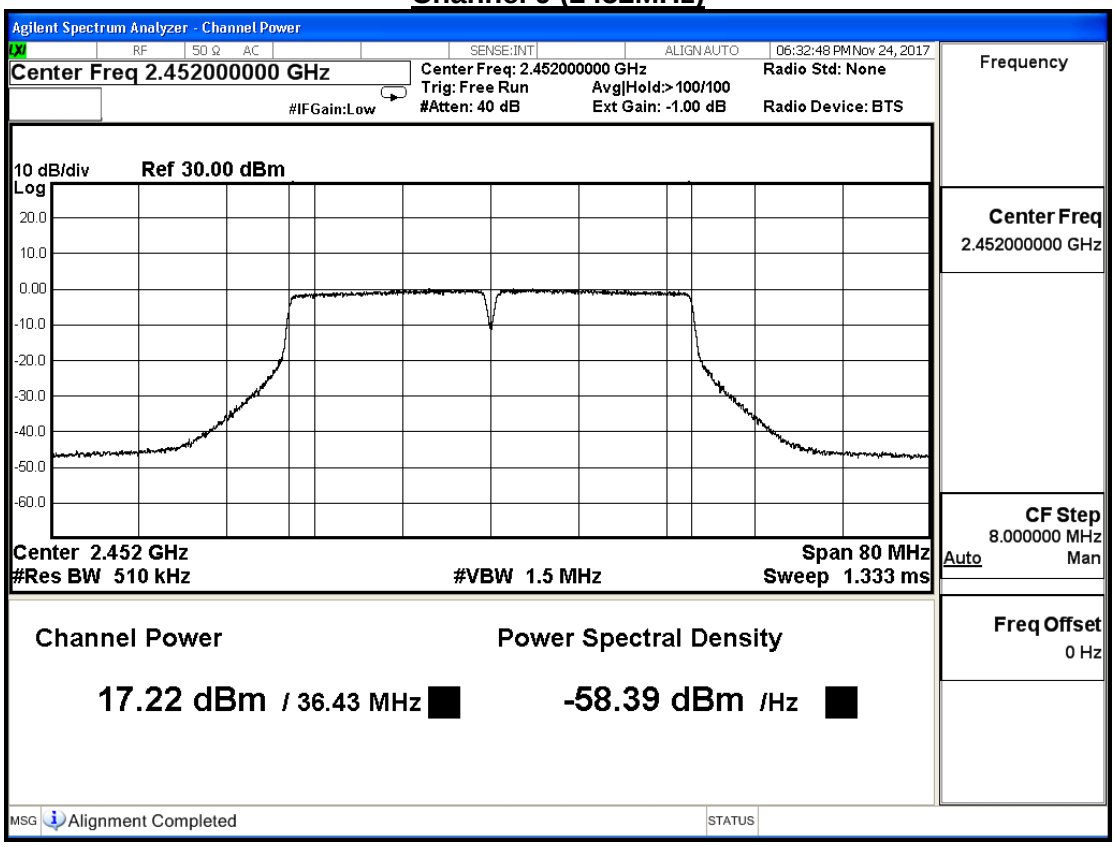
Channel 3 (2422MHz)



Channel 6 (2437MHz)



Channel 9 (2452MHz)



Product	Verizon Mesh Router		
Test Item	Peak Power Output		
Test Mode	Mode 2: Transmit_MIMO Mode		
Date of Test	2017/10/30	Test Site	SR10-H

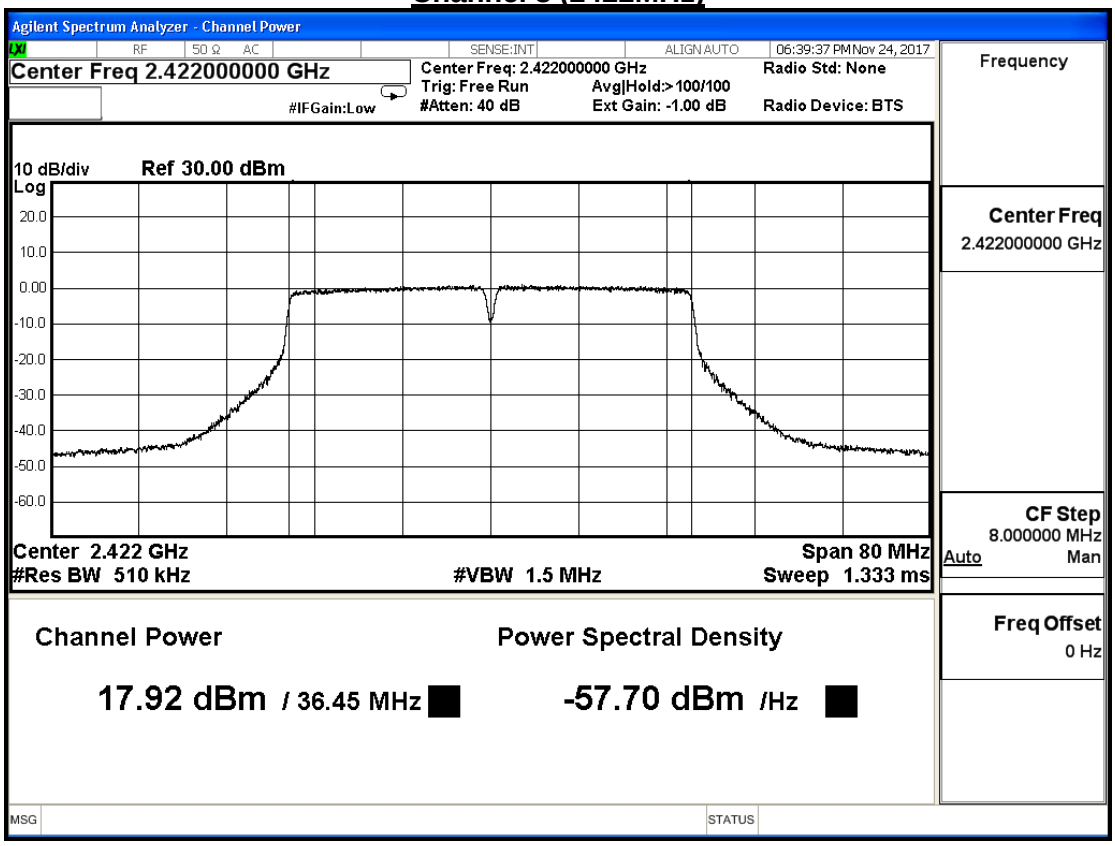
IEEE 802.11n(40MHz) (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	17.920	≦29.39
6	2437	21.760	≦29.39
9	2452	17.010	≦29.39

The worst emission of data rate is MCS 8

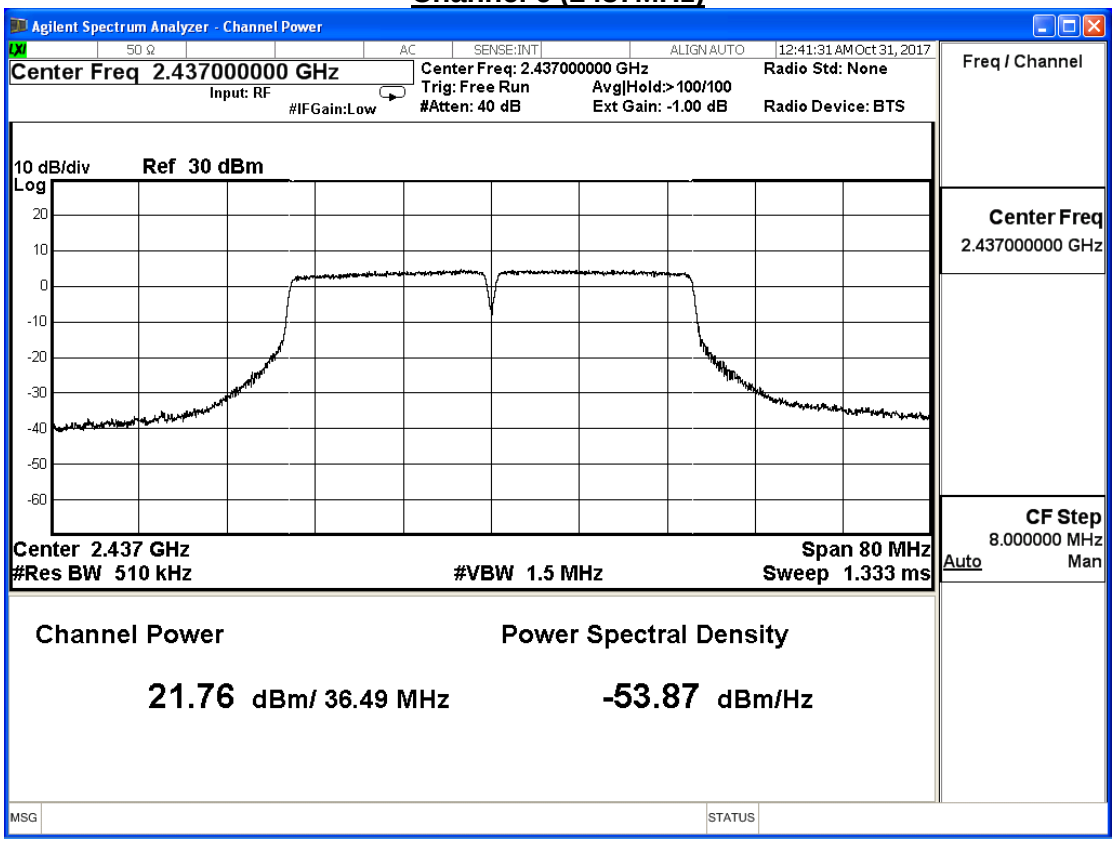
Peak Power Output (dBm)										
Channel No	Frequency (MHz)	MCS index								Required Limit (dBm)
		8	9	10	11	12	13	14	15	
3	2422	17.920	--	--	--	--	--	--	--	≦29.39
6	2437	21.760	21.460	21.260	20.960	20.660	20.460	20.160	19.860	≦29.39
9	2452	17.010	--	--	--	--	--	--	--	≦29.39

Note: Array Gain: Antenna gain +10 log(N) =3.6+3.01 = 6.61dBi
Limit = 30-(6.61-6) = 29.39 dBm

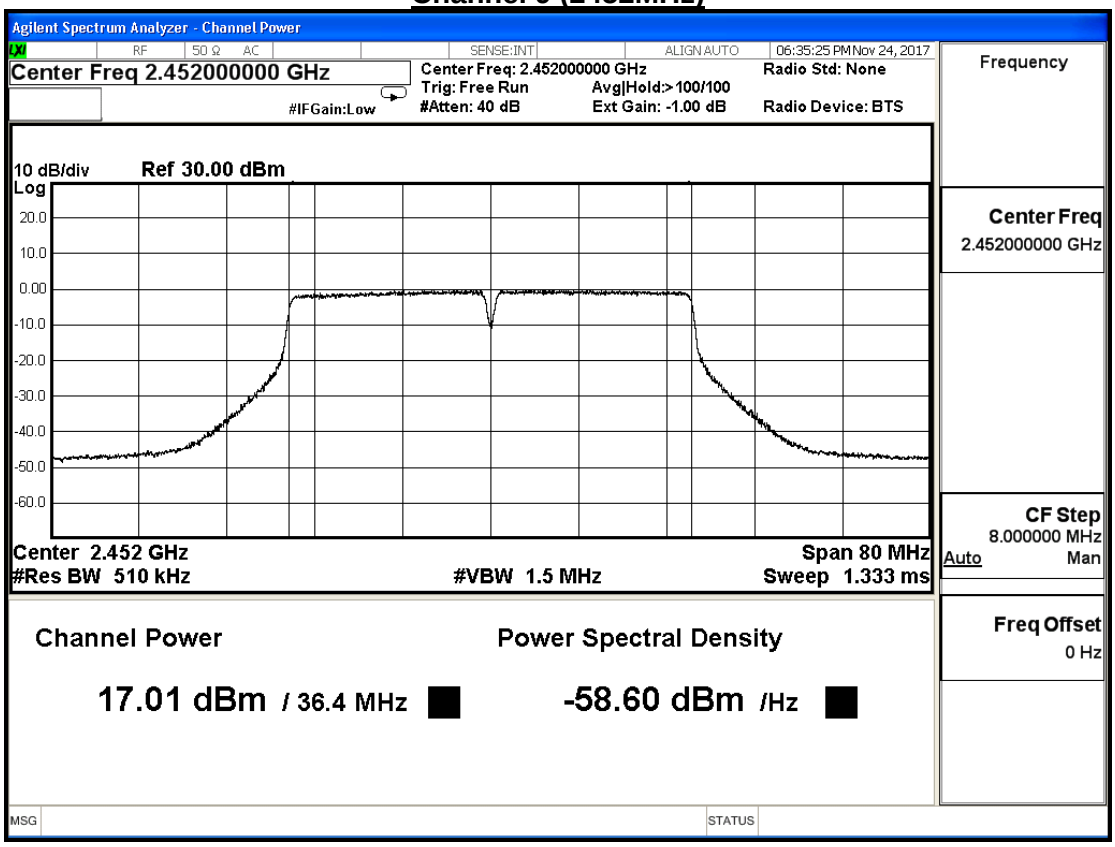
Channel 3 (2422MHz)



Channel 6 (2437MHz)



Channel 9 (2452MHz)



Product	Verizon Mesh Router		
Test Item	Peak Power Output		
Test Mode	Mode 2: Transmit_MIMO Mode		
Date of Test	2017/10/30	Test Site	SR10-H

IEEE 802.11n(40MHz) (ANT 0+1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	21.078	≦29.39
6	2437	24.985	≦29.39
9	2452	20.127	≦29.39

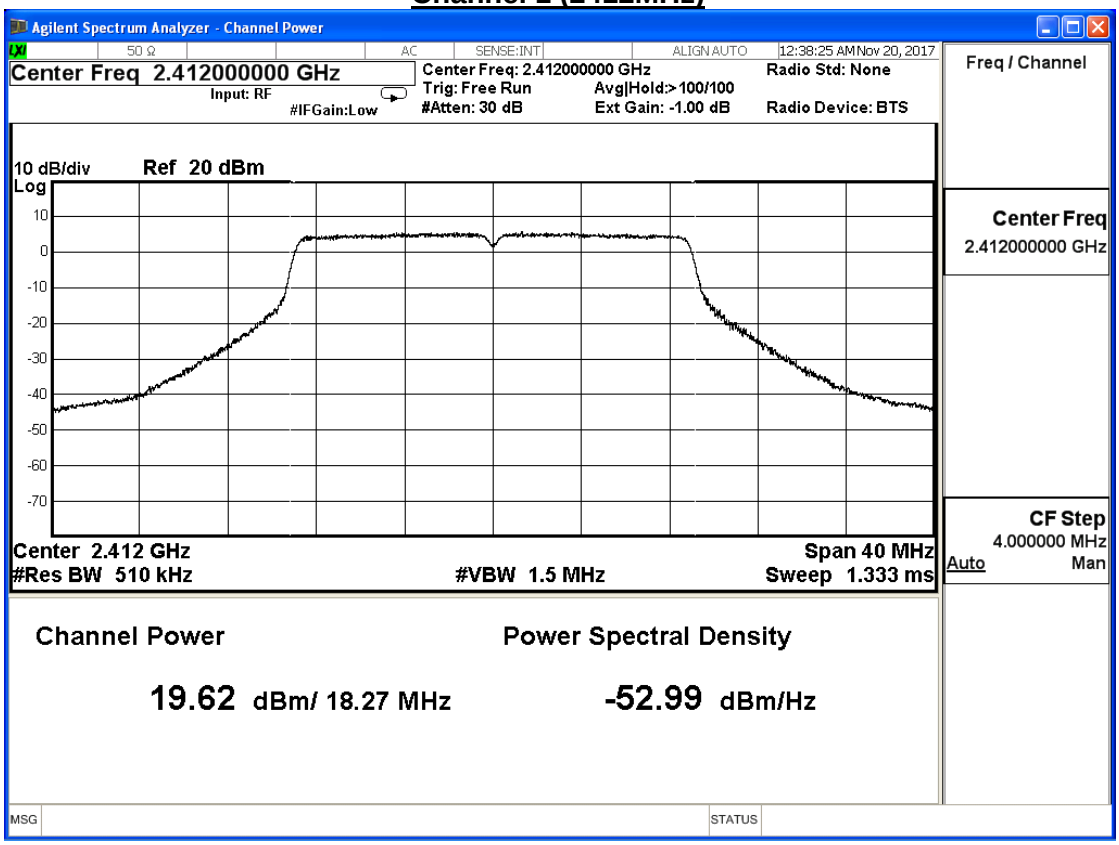
Note: Array Gain: Antenna gain +10 log(N) =3.6+3.01 = 6.61dBi
Limit = 30-(6.61-6) = 29.39 dBm

Product	Verizon Mesh Router		
Test Item	Peak Power Output		
Test Mode	Mode 3: Transmit_BF Mode		
Date of Test	2017/11/20	Test Site	SR10-H

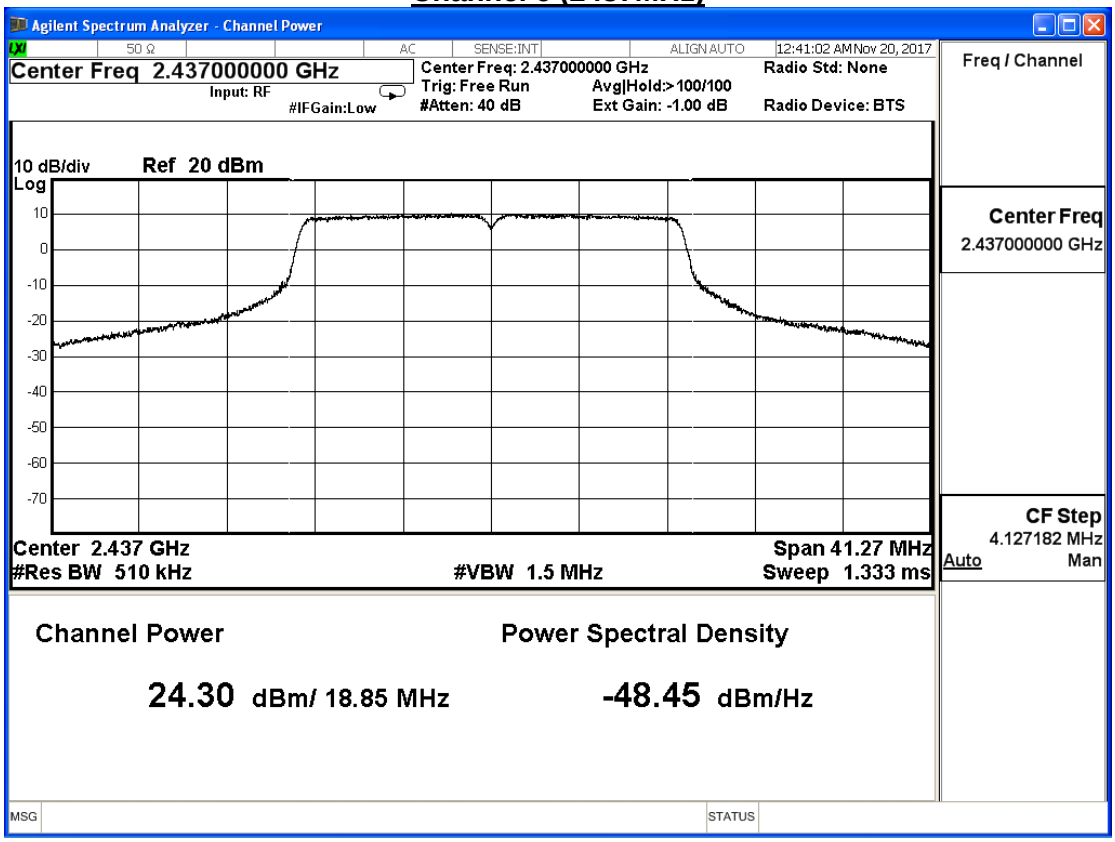
IEEE 802.11n(20MHz) (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	19.620	≦29.39
6	2437	24.300	≦29.39
11	2462	14.720	≦29.39

Note: Array Gain: Antenna gain +10 log(N) =3.6+3.01 = 6.61dBi
Limit = 30-(6.61-6) = 29.39 dBm

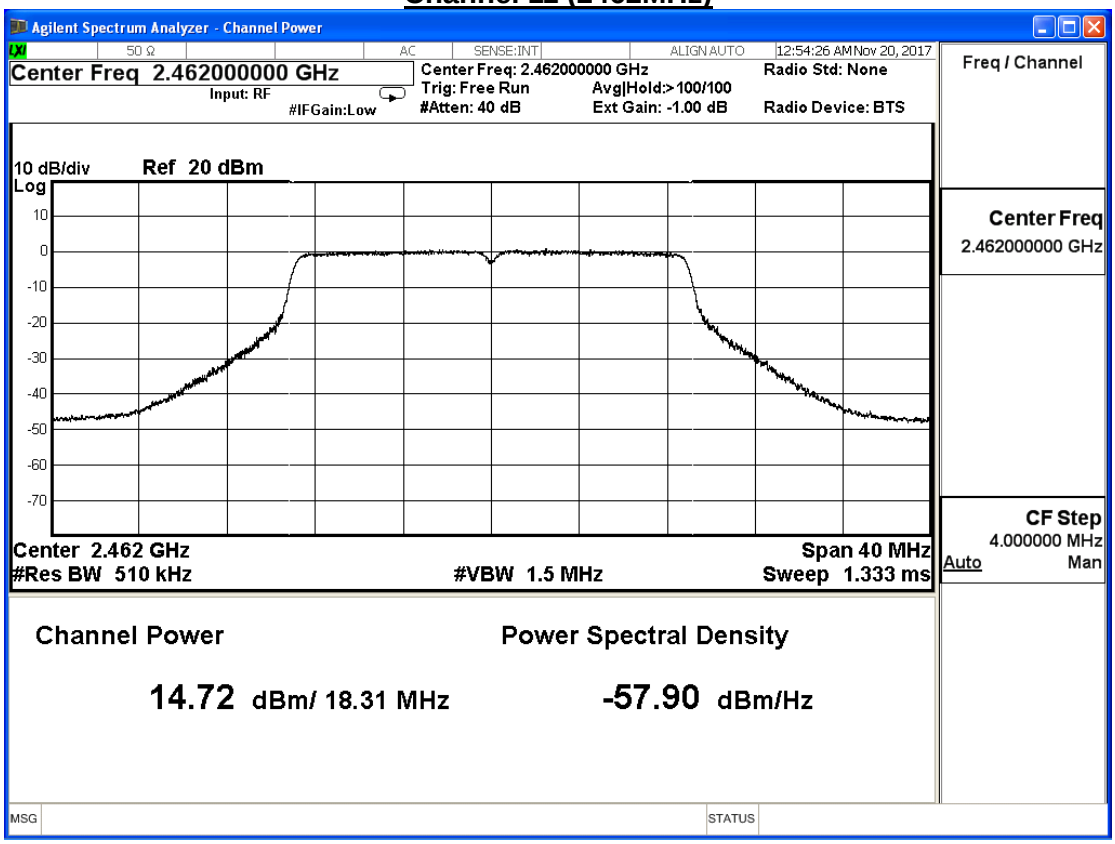
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)

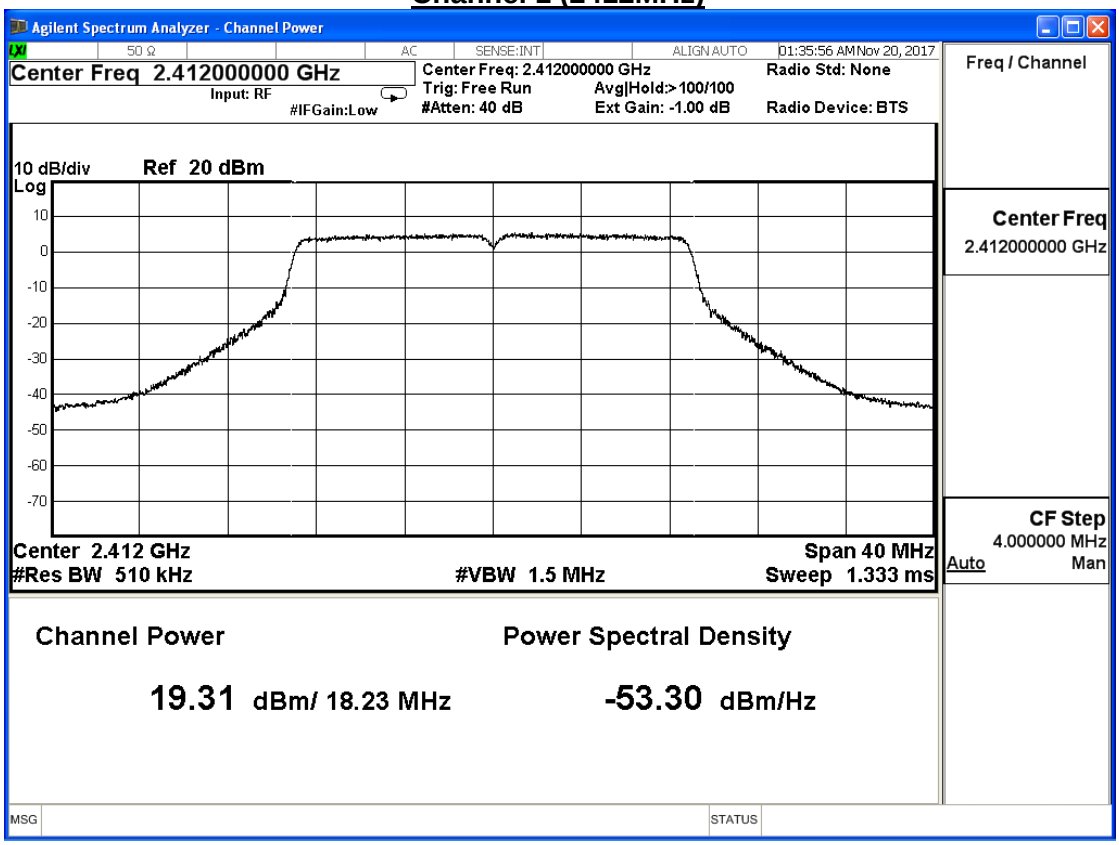


Product	Verizon Mesh Router		
Test Item	Peak Power Output		
Test Mode	Mode 3: Transmit_BF Mode		
Date of Test	2017/11/20	Test Site	SR10-H

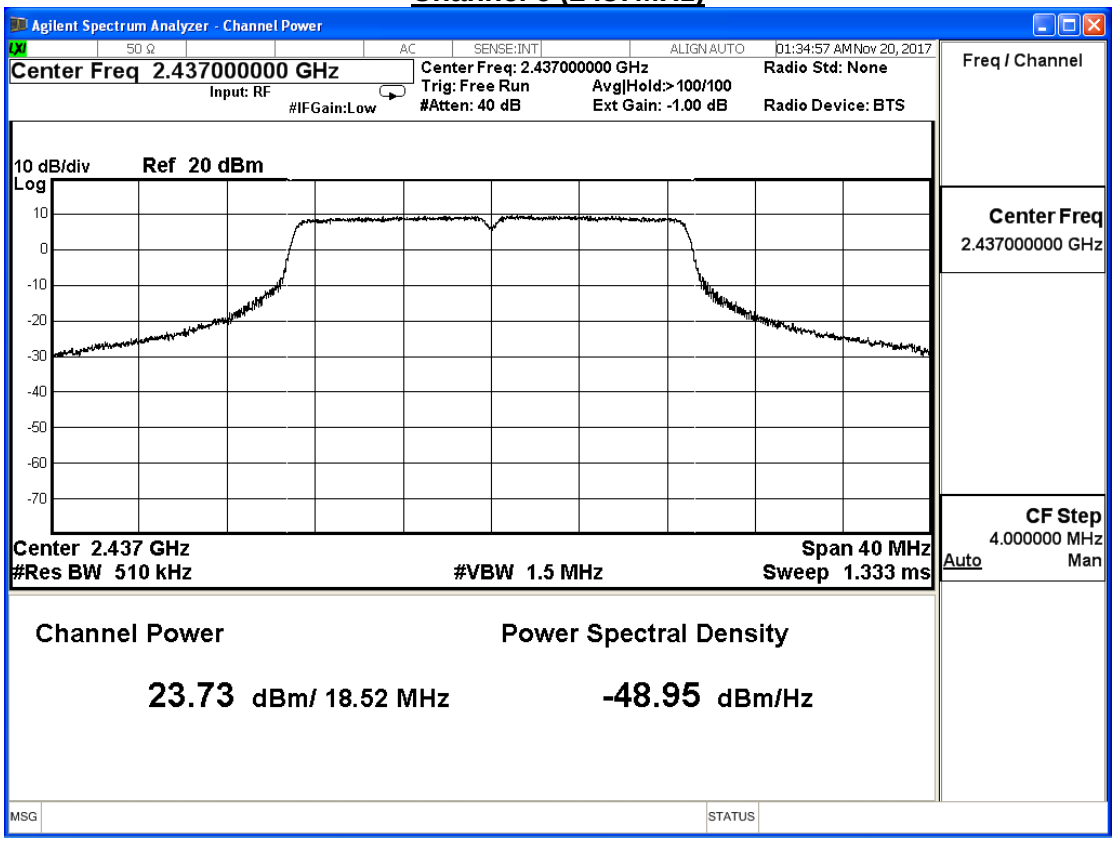
IEEE 802.11n(20MHz) (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	19.310	≦29.39
6	2437	23.730	≦29.39
11	2462	14.820	≦29.39

Note: Array Gain: Antenna gain +10 log(N) =3.6+3.01 = 6.61dBi
Limit = 30-(6.61-6) = 29.39 dBm

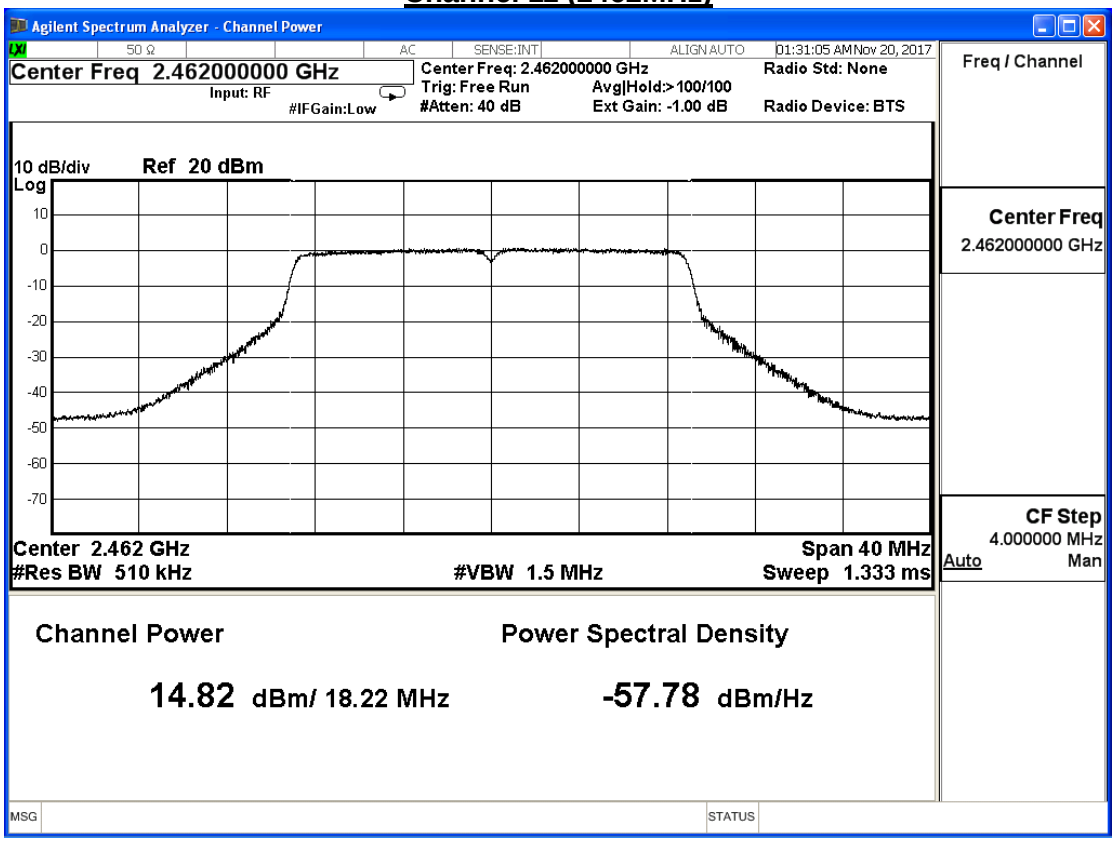
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



Product	Verizon Mesh Router		
Test Item	Peak Power Output		
Test Mode	Mode 3: Transmit_BF Mode		
Date of Test	2017/11/20	Test Site	SR10-H

IEEE 802.11n(20MHz) (ANT 0+1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	22.478	≦29.39
6	2437	27.035	≦29.39
11	2462	17.781	≦29.39

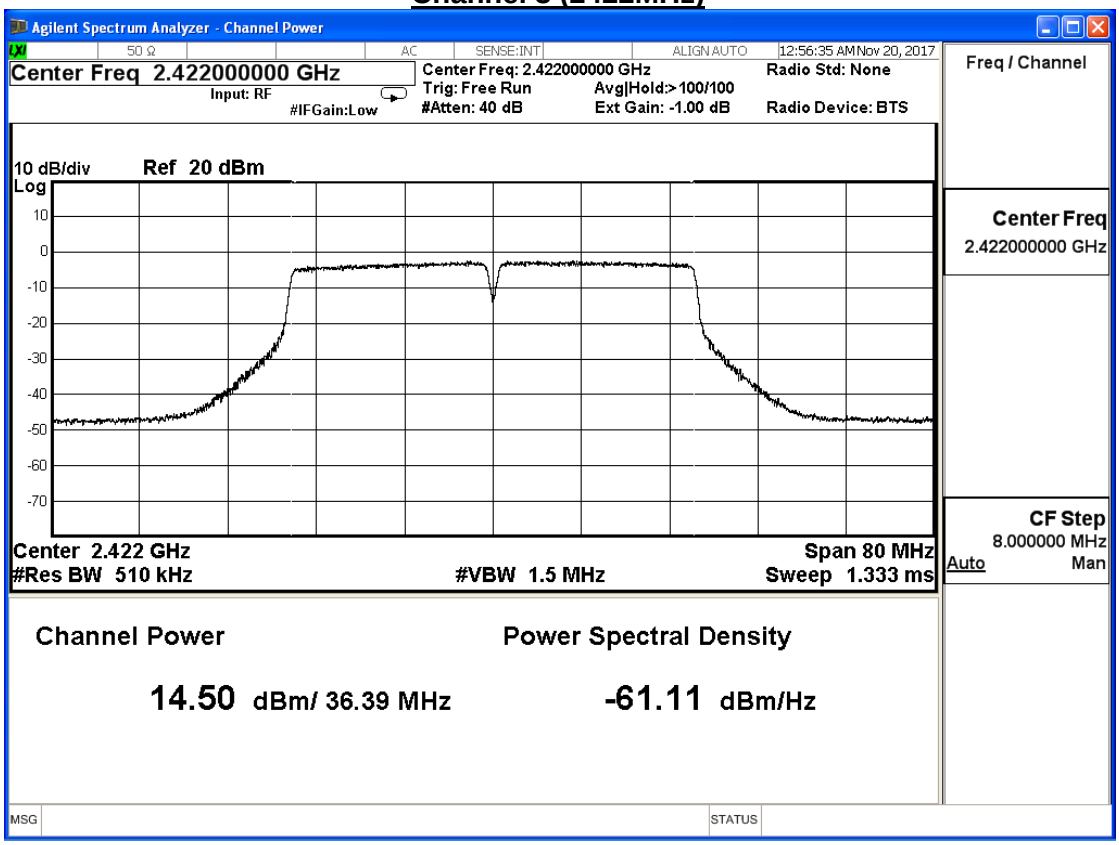
Note: Array Gain: Antenna gain +10 log(N) =3.6+3.01 = 6.61dBi
Limit = 30-(6.61-6) = 29.39 dBm

Product	Verizon Mesh Router		
Test Item	Peak Power Output		
Test Mode	Mode 3: Transmit_BF Mode		
Date of Test	2017/11/20	Test Site	SR10-H

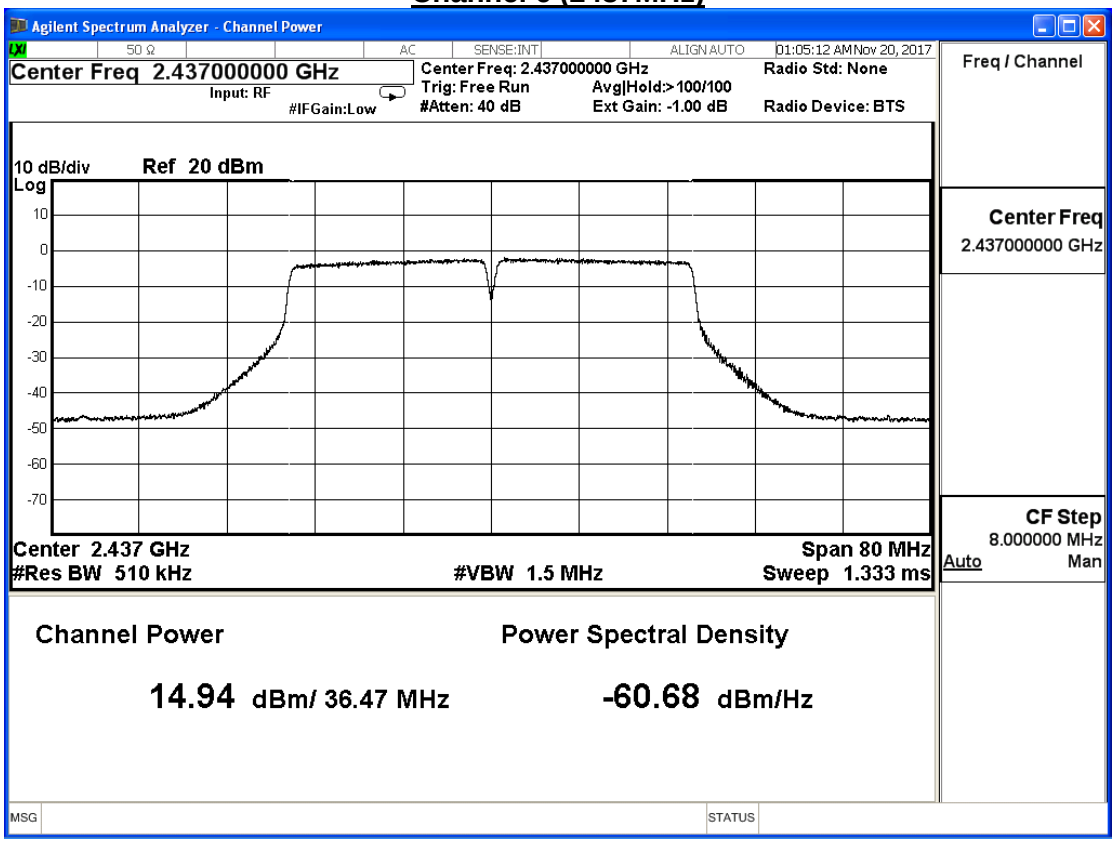
IEEE 802.11n(40MHz) (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	14.500	≦29.39
6	2437	14.940	≦29.39
9	2452	14.130	≦29.39

Note: Array Gain: Antenna gain +10 log(N) =3.6+3.01 = 6.61dBi
Limit = 30-(6.61-6) = 29.39 dBm

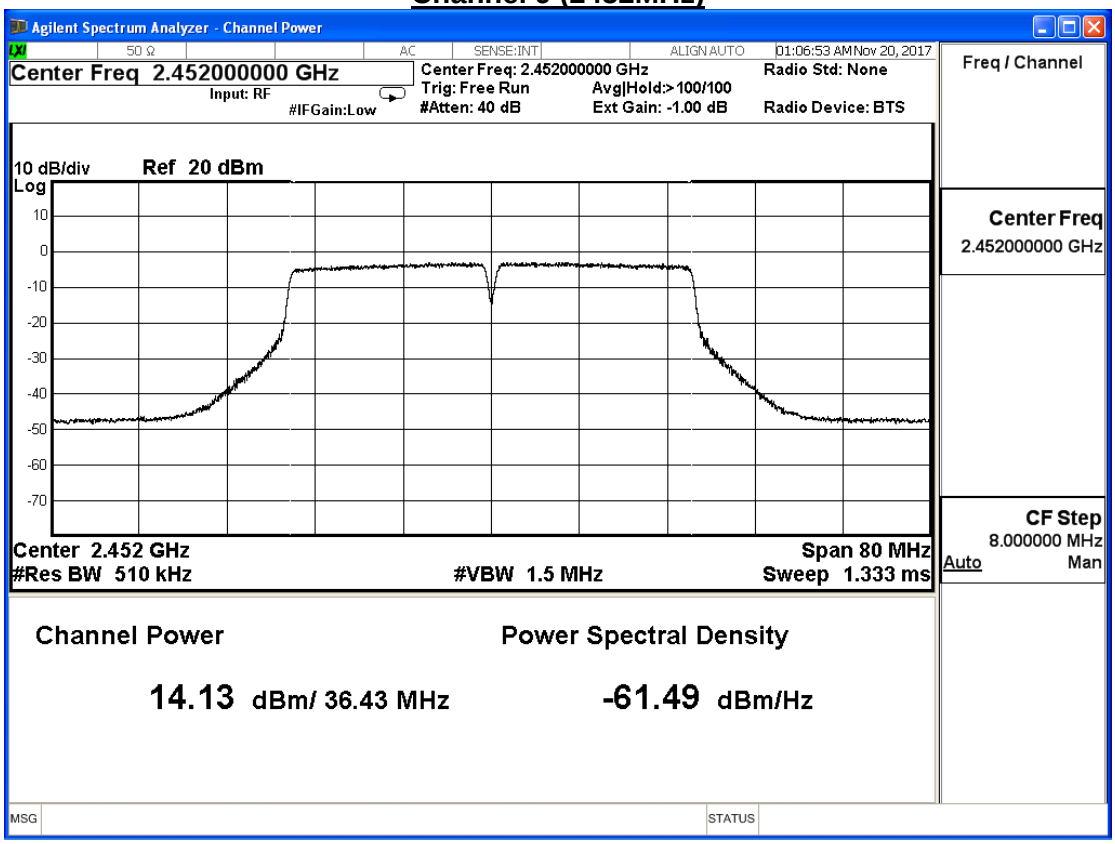
Channel 3 (2422MHz)



Channel 6 (2437MHz)



Channel 9 (2452MHz)

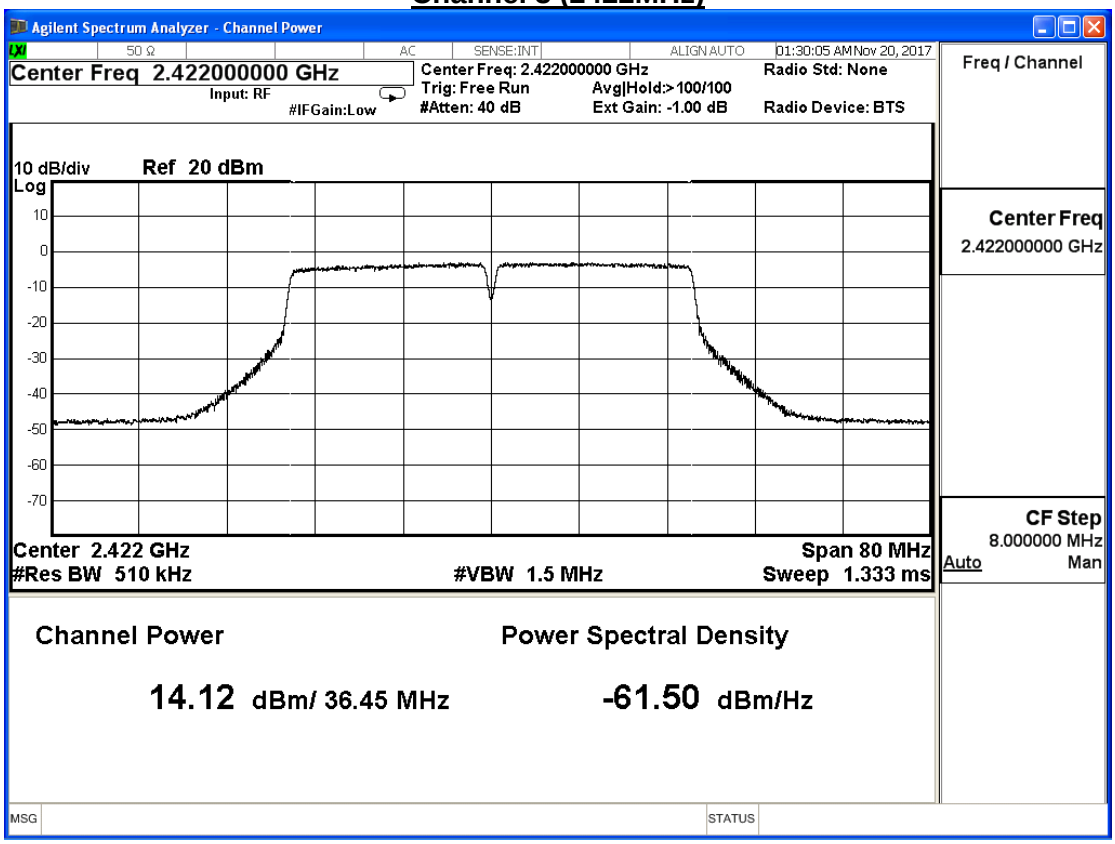


Product	Verizon Mesh Router		
Test Item	Peak Power Output		
Test Mode	Mode 3: Transmit_BF Mode		
Date of Test	2017/11/20	Test Site	SR10-H

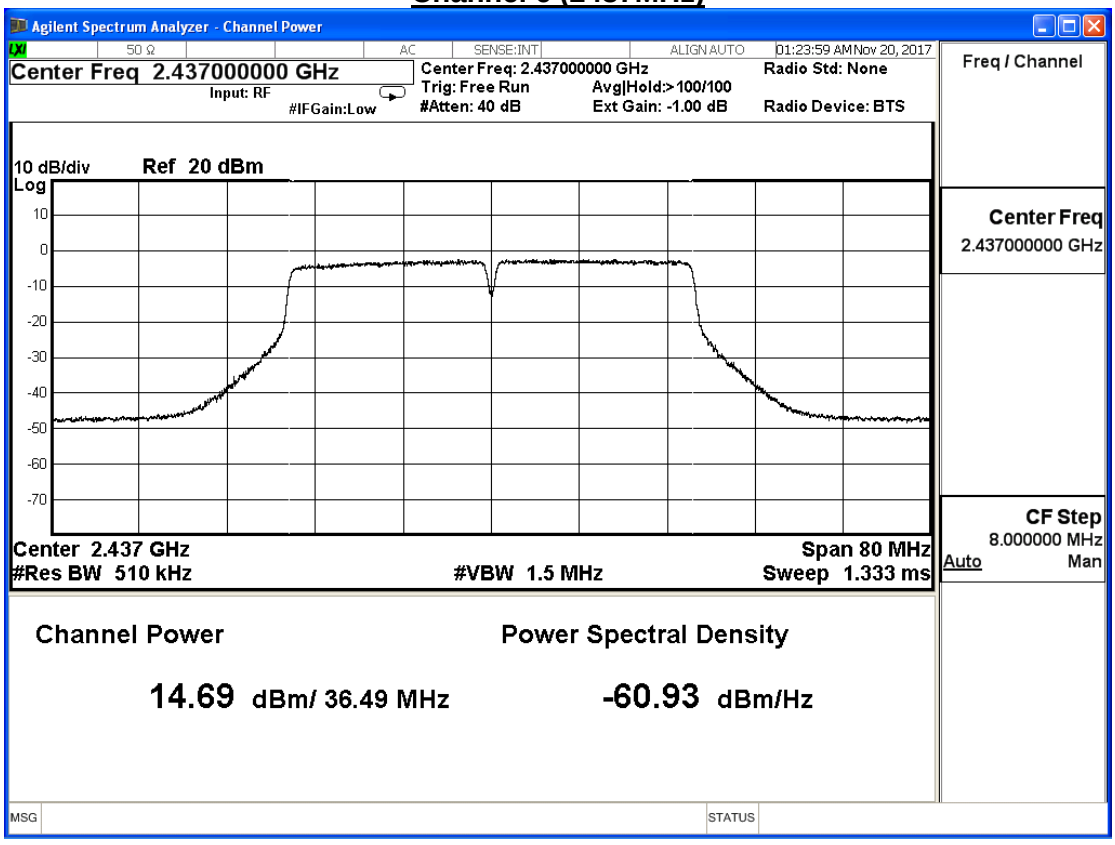
IEEE 802.11n(40MHz) (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	14.120	≦29.39
6	2437	14.690	≦29.39
9	2452	13.930	≦29.39

Note: Array Gain: Antenna gain +10 log(N) =3.6+3.01 = 6.61dBi
Limit = 30-(6.61-6) = 29.39 dBm

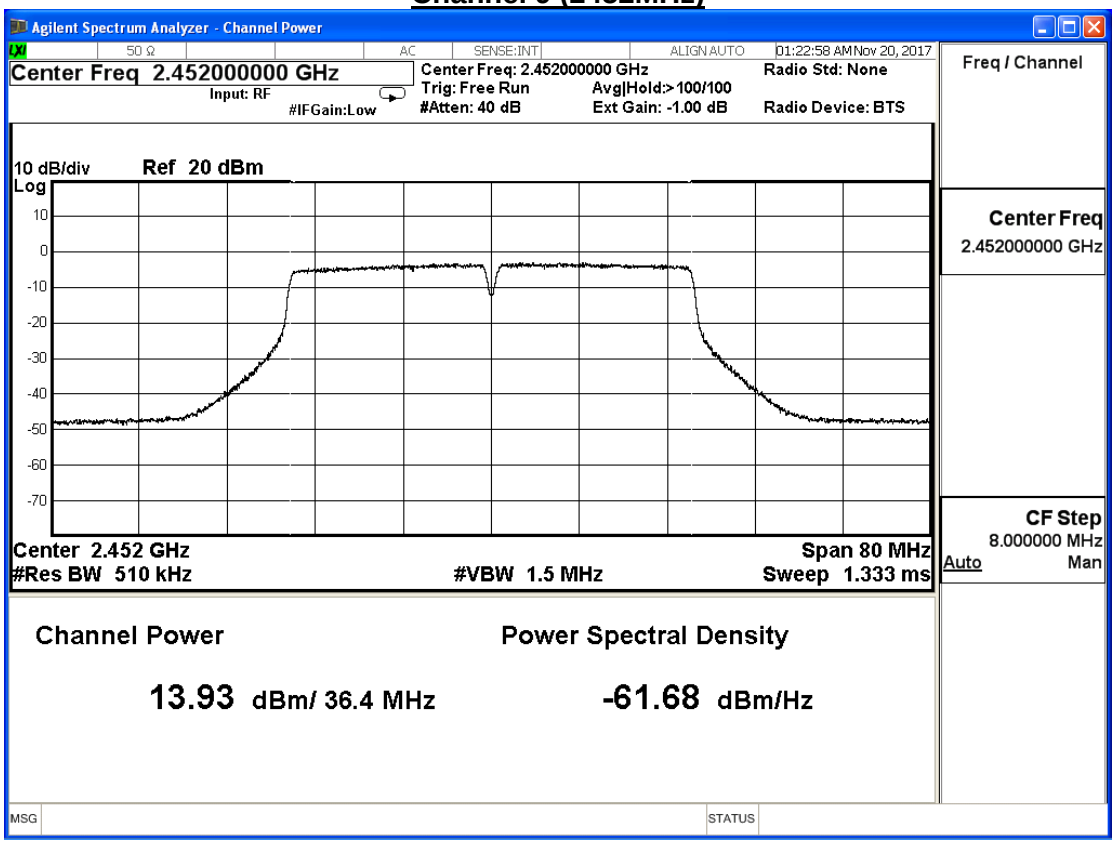
Channel 3 (2422MHz)



Channel 6 (2437MHz)



Channel 9 (2452MHz)



Product	Verizon Mesh Router		
Test Item	Peak Power Output		
Test Mode	Mode 3: Transmit_BF Mode		
Date of Test	2017/11/20	Test Site	SR10-H

IEEE 802.11n(40MHz) (ANT 0+1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	17.324	≦29.39
6	2437	17.827	≦29.39
9	2452	17.041	≦29.39

Note: Array Gain: Antenna gain +10 log(N) =3.6+3.01 = 6.61dBi
Limit = 30-(6.61-6) = 29.39 dBm

4. Radiated Emission

4.1. Test Equipment

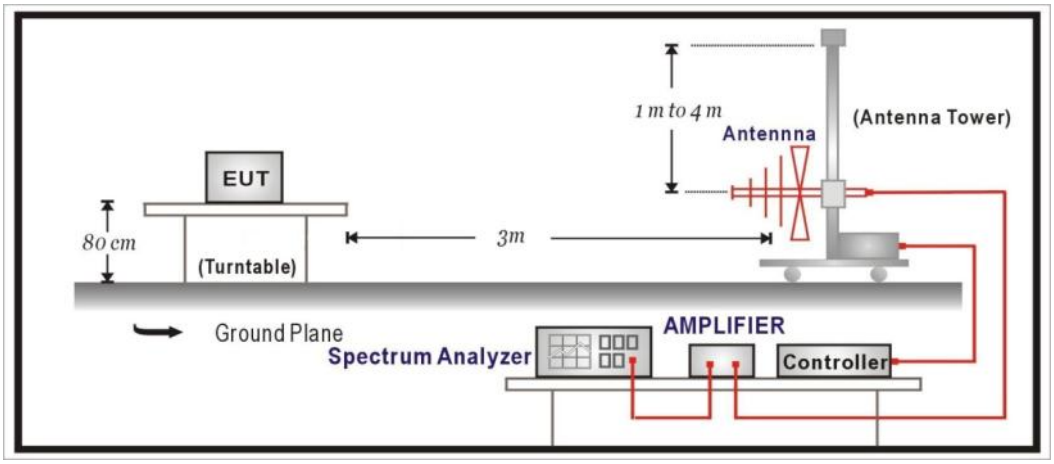
The following test equipment are used during the test:

Radiated Emission / CB2-H

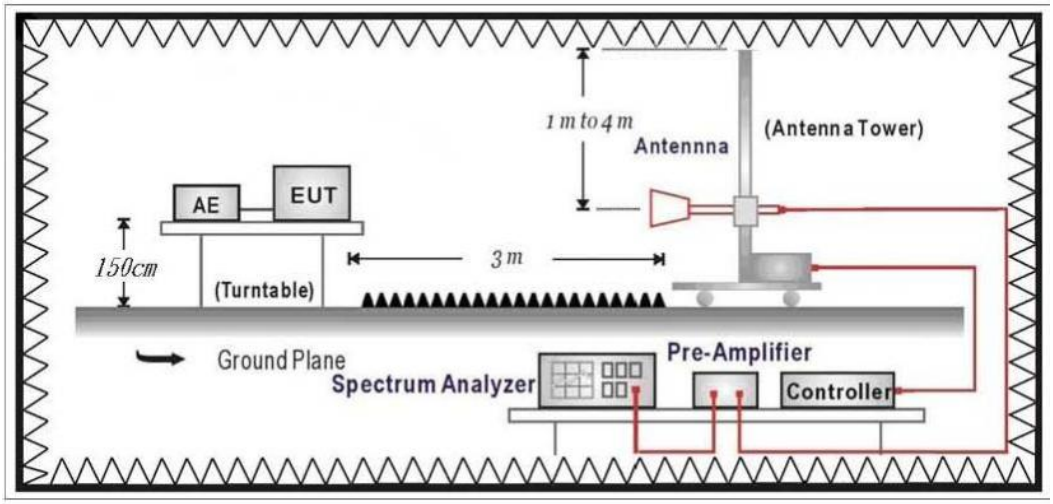
Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal Analyzer	R&S	FSVA40	101455	2017/11/21	2018/11/20
Signal & Spectrum Analyzer	R&S	FSV40	101049	2017/01/23	2018/01/22
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2017/03/13	2018/03/12
Bilog Antenna	Teseq	CBL6112D	23191	2017/06/28	2018/06/27
Horn Antenna	Schwarzbeck	BBHA 9120D	639	2017/06/14	2018/06/13
Horn Antenna	Schwarzbeck	BBHA 9170	202	2017/02/15	2018/02/14
Pre-Amplifier	RF Bay Inc.	LNA-1330	12162511	2017/03/09	2018/03/08
Pre-Amplifier	EMCI	EMCI 1830I	980366	2017/01/23	2018/01/22
Pre-Amplifier	MITEQ	JS44-45-8P	2014754	2016/12/26	2017/12/25
Magnetic Loop Antenna	Teseq	HLA 6121	44287	2017/10/13	2018/10/12

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 D01V04 for compliance to FCC 47CFR 15.247 requirements.
The EUT and its simulators are placed on a turn table which is 0.8 or 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level.
The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10:2013 on radiated measurement.
On any frequency or frequencies form 9KHz(inculde The the lowest oscillator frequency generated within the device up to the 10th harmonic) 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: 2016

4.6. Uncertainty

The measurement uncertainty

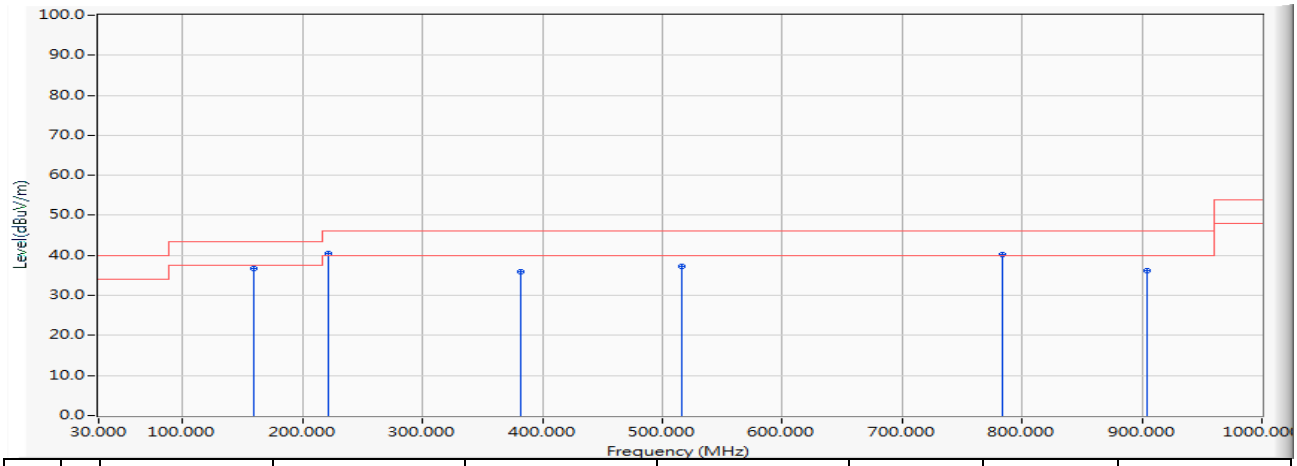
30MHz～1GHz as ±3.43dB

1GHz～26.5Ghz as ±3.65dB

4.7. Test Result

30MHz-1GHz Spurious

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/24**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB2_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 1: Transmit_CDD Mode_ 802.11b_2437MHz**

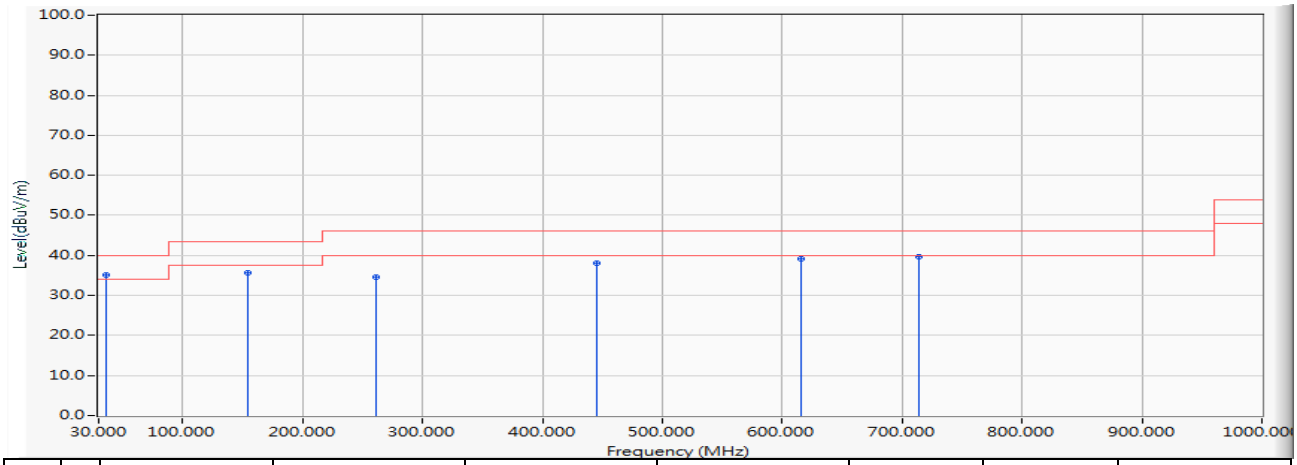


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		159.482	-23.003	59.691	36.687	-6.813	43.500	QUASIPEAK
2	*	221.168	-22.170	62.553	40.383	-5.617	46.000	QUASIPEAK
3		381.493	-16.553	52.494	35.941	-10.059	46.000	QUASIPEAK
4		515.921	-14.305	51.549	37.245	-8.755	46.000	QUASIPEAK
5		783.518	-11.323	51.647	40.324	-5.676	46.000	QUASIPEAK
6		904.077	-9.811	45.912	36.101	-9.899	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.
4. The emission form 9KHz to 30MHz Radiated emission were not show in test report., because Pre-Scan lower than the limit line. The worst case is 6.449 uV/m.

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/24**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB2_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 1: Transmit_CDD Mode_ 802.11b_2437MHz**

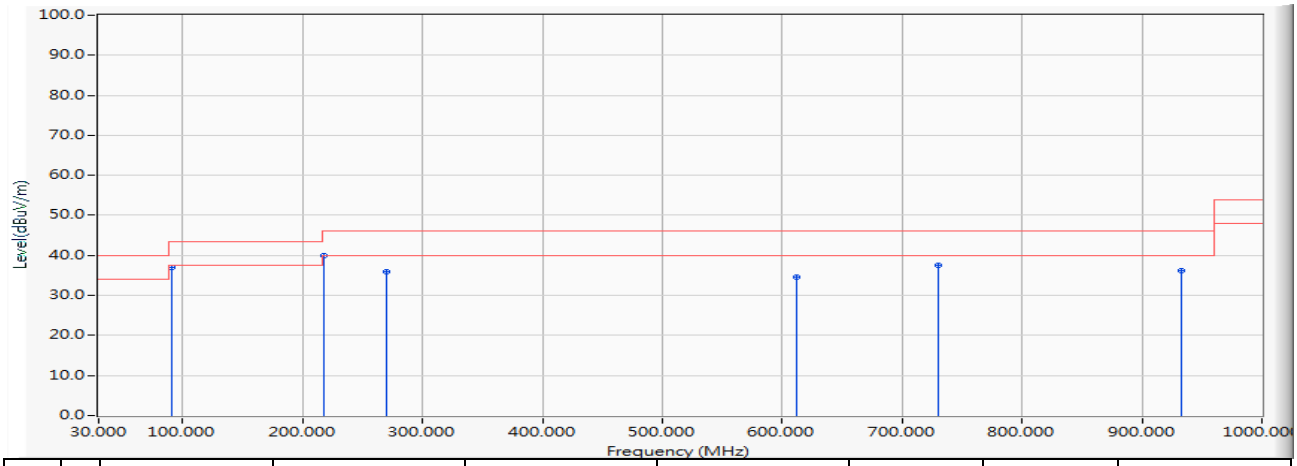


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	36.110	-16.797	51.953	35.155	-4.845	40.000	QUASIPEAK
2		154.051	-22.704	58.259	35.555	-7.945	43.500	QUASIPEAK
3		261.031	-20.128	54.619	34.492	-11.508	46.000	QUASIPEAK
4		445.118	-15.250	53.405	38.154	-7.846	46.000	QUASIPEAK
5		615.239	-13.087	52.117	39.030	-6.970	46.000	QUASIPEAK
6		713.782	-12.036	51.770	39.734	-6.266	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.
4. The emission form 9KHz to 30MHz Radiated emission were not show in test report., because Pre-Scan lower than the limit line. The worst case is 6.449 uV/m.

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/24**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB2_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 1: Transmit_CDD Mode_ 802.11g_2437MHz**

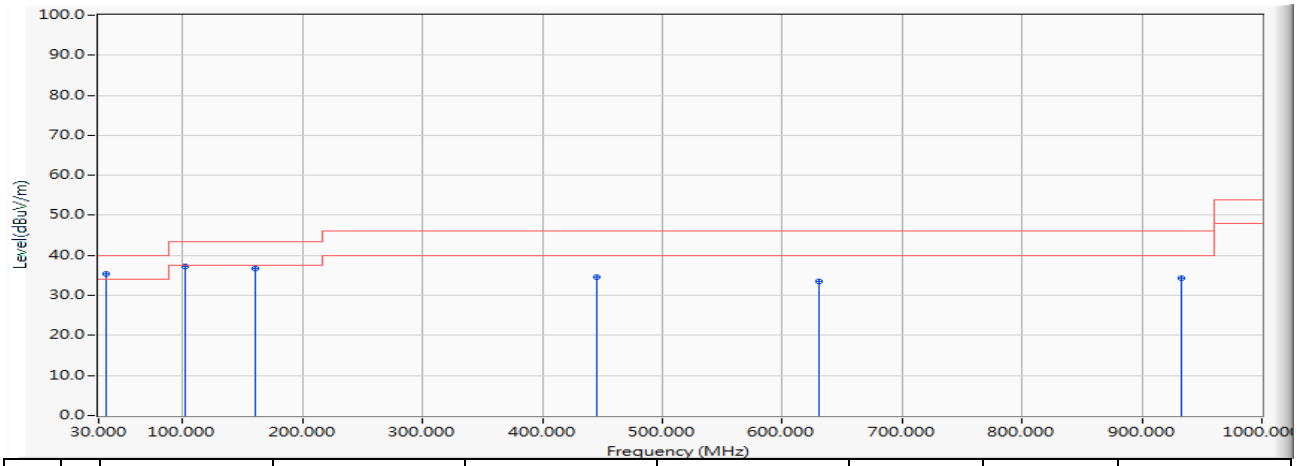


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		90.619	-25.671	62.748	37.077	-6.423	43.500	QUASIPEAK
2	*	217.288	-22.408	62.465	40.057	-5.943	46.000	QUASIPEAK
3		269.469	-19.915	55.957	36.043	-9.957	46.000	QUASIPEAK
4		611.457	-13.067	47.756	34.689	-11.311	46.000	QUASIPEAK
5		729.688	-11.973	49.596	37.623	-8.377	46.000	QUASIPEAK
6		932.689	-9.122	45.188	36.067	-9.933	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.
4. The emission form 9KHz to 30MHz Radiated emission were not show in test report., because Pre-Scan lower than the limit line. The worst case is 6.449 uV/m.

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/24**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB2_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 1: Transmit_CDD Mode_ 802.11g_2437MHz**

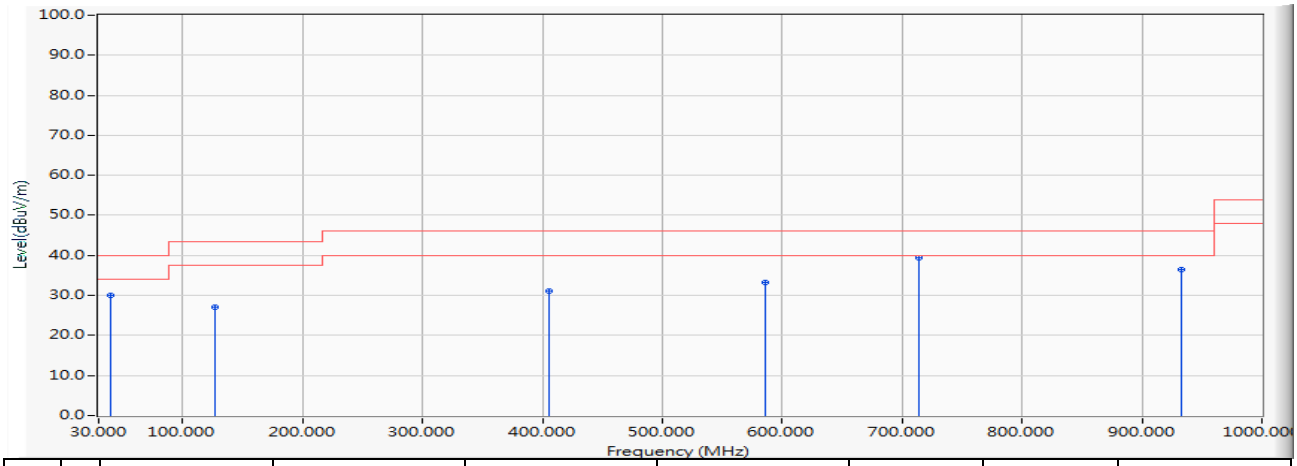


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	36.304	-16.787	52.222	35.435	-4.565	40.000	QUASIPEAK
2		101.676	-23.383	60.728	37.345	-6.155	43.500	QUASIPEAK
3		160.743	-23.077	59.701	36.624	-6.876	43.500	QUASIPEAK
4		445.409	-15.246	49.936	34.690	-11.310	46.000	QUASIPEAK
5		630.467	-12.935	46.536	33.601	-12.399	46.000	QUASIPEAK
6		932.689	-9.122	43.315	34.194	-11.806	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.
4. The emission form 9KHz to 30MHz Radiated emission were not show in test report., because Pre-Scan lower than the limit line. The worst case is 6.449 uV/m.

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/24**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB2_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 2: Transmit_MIMO Mode_ 802.11n(20M)_2437MHz**

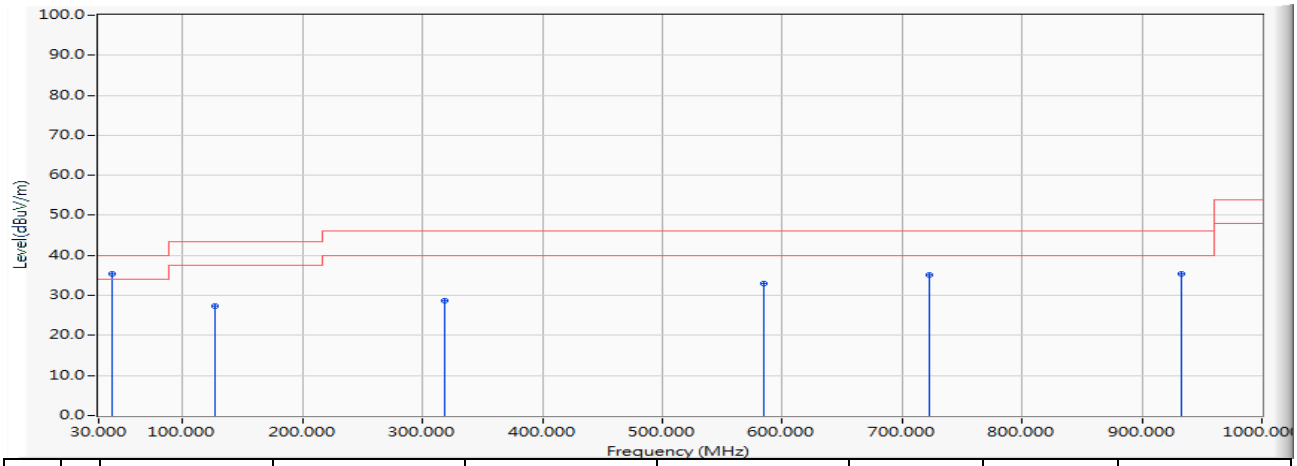


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		40.282	-17.084	47.119	30.035	-9.965	40.000	QUASIPEAK
2		127.194	-21.681	48.846	27.165	-16.335	43.500	QUASIPEAK
3		405.390	-15.864	46.956	31.092	-14.908	46.000	QUASIPEAK
4		585.616	-13.376	46.499	33.123	-12.877	46.000	QUASIPEAK
5	*	713.462	-12.038	51.342	39.304	-6.696	46.000	QUASIPEAK
6		932.779	-9.119	45.488	36.369	-9.631	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.
4. The emission form 9KHz to 30MHz Radiated emission were not show in test report., because Pre-Scan lower than the limit line. The worst case is 6.449 uV/m.

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/24**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB2_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 2: Transmit_MIMO Mode_ 802.11n(20M)_2437MHz**

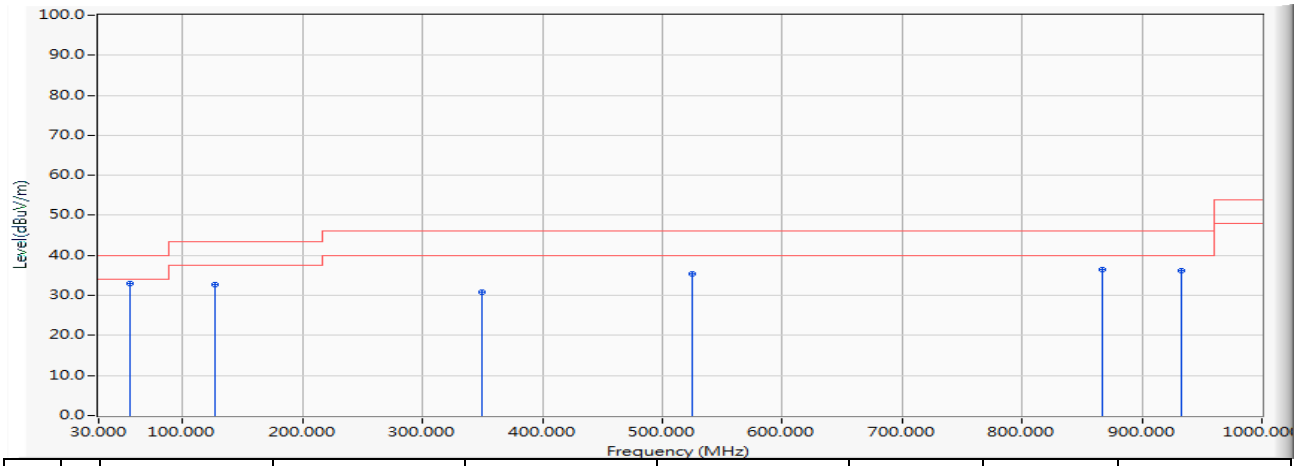


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	41.543	-18.477	53.856	35.378	-4.622	40.000	QUASIPEAK
2		127.097	-21.679	49.017	27.338	-16.162	43.500	QUASIPEAK
3		317.993	-18.512	47.083	28.571	-17.429	46.000	QUASIPEAK
4		584.161	-13.406	46.255	32.850	-13.150	46.000	QUASIPEAK
5		722.386	-11.994	47.001	35.008	-10.992	46.000	QUASIPEAK
6		932.876	-9.116	44.621	35.506	-10.494	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.
4. The emission form 9KHz to 30MHz Radiated emission were not show in test report., because Pre-Scan lower than the limit line. The worst case is 6.449 uV/m.

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/24**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB2_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 2: Transmit_MIMO Mode_ 802.11n(40M)_2437MHz**

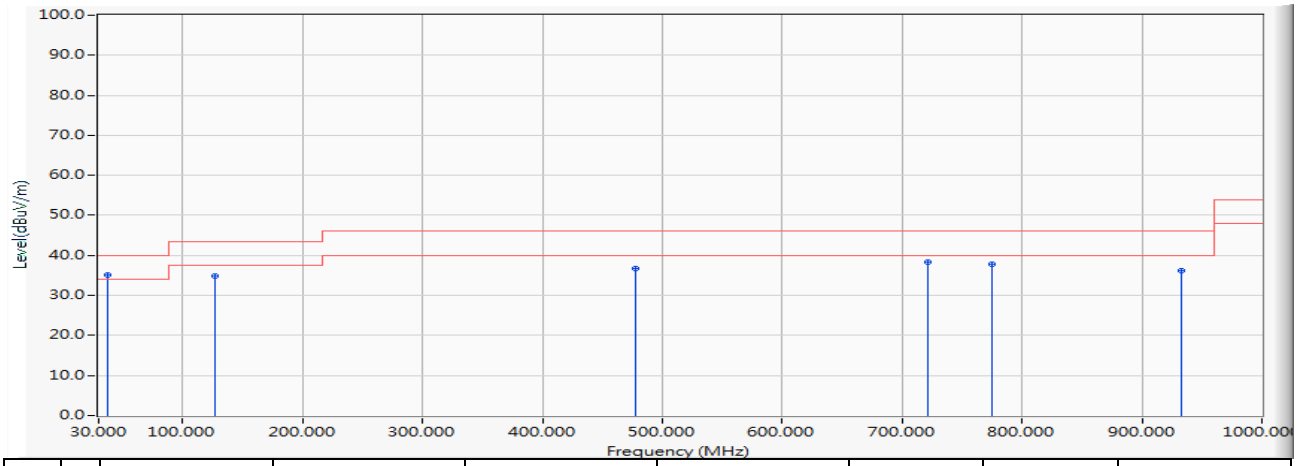


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	55.608	-27.169	60.040	32.871	-7.129	40.000	QUASIPEAK
2		127.097	-21.679	54.409	32.730	-10.770	43.500	QUASIPEAK
3		349.227	-17.542	48.344	30.803	-15.197	46.000	QUASIPEAK
4		525.282	-14.194	49.646	35.452	-10.548	46.000	QUASIPEAK
5		866.722	-10.302	46.887	36.585	-9.415	46.000	QUASIPEAK
6		932.488	-9.127	45.237	36.109	-9.891	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The emission form 9KHz to 30MHz Radiated emission were not show in test report., because Pre-Scan lower than the limit line. The worst case is 6.449 uV/m.

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/24**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB2_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 2: Transmit_MIMO Mode_ 802.11n(40M)_2437MHz**



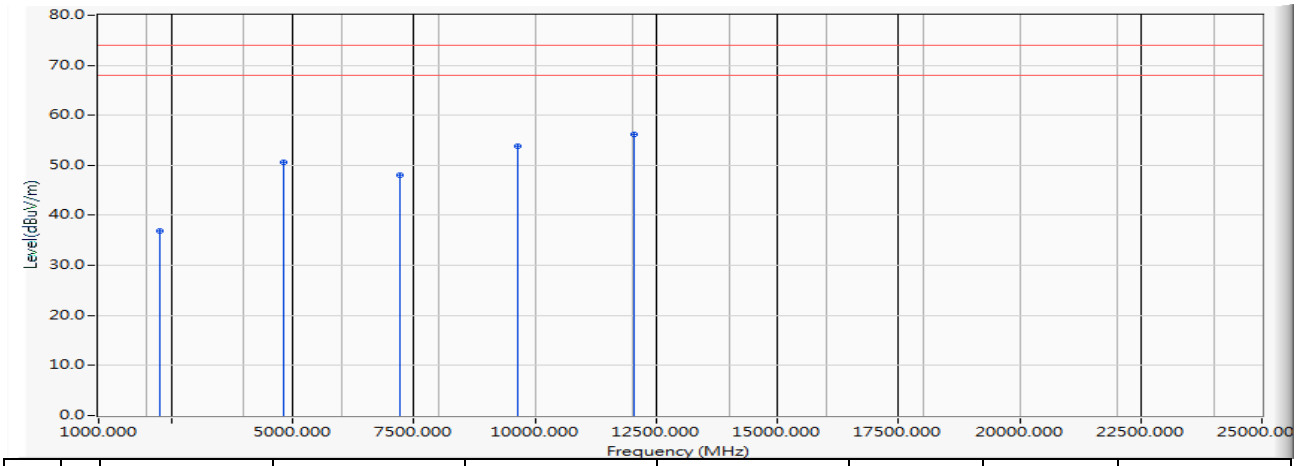
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	37.081	-16.745	51.933	35.189	-4.811	40.000	QUASIPEAK
2		127.097	-21.679	56.409	34.730	-8.770	43.500	QUASIPEAK
3		477.849	-14.779	51.421	36.642	-9.358	46.000	QUASIPEAK
4		720.931	-11.998	50.288	38.291	-7.709	46.000	QUASIPEAK
5		774.960	-11.467	49.172	37.705	-8.295	46.000	QUASIPEAK
6		932.488	-9.127	45.237	36.109	-9.891	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The emission form 9KHz to 30MHz Radiated emission were not show in test report., because Pre-Scan lower than the limit line. The worst case is 6.449 uV/m.

Above 1GHz Spurious

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 1: Transmit_CDD Mode_ 802.11b_2412MHz**

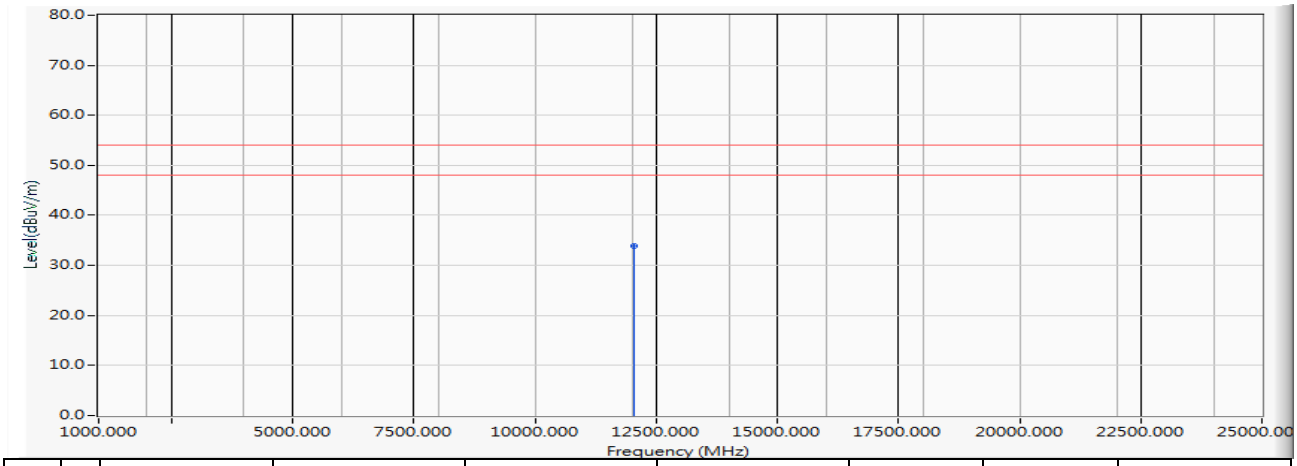


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2274.250	-9.740	46.560	36.820	-37.180	74.000	PEAK
2		4824.000	-0.219	50.839	50.620	-23.380	74.000	PEAK
3		7226.600	7.135	40.810	47.944	-26.056	74.000	PEAK
4		9648.320	12.587	41.300	53.886	-20.114	74.000	PEAK
5	*	12049.500	15.375	40.910	56.285	-17.715	74.000	PEAK

Note:

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

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 1: Transmit_CDD Mode_ 802.11b_2412MHz**

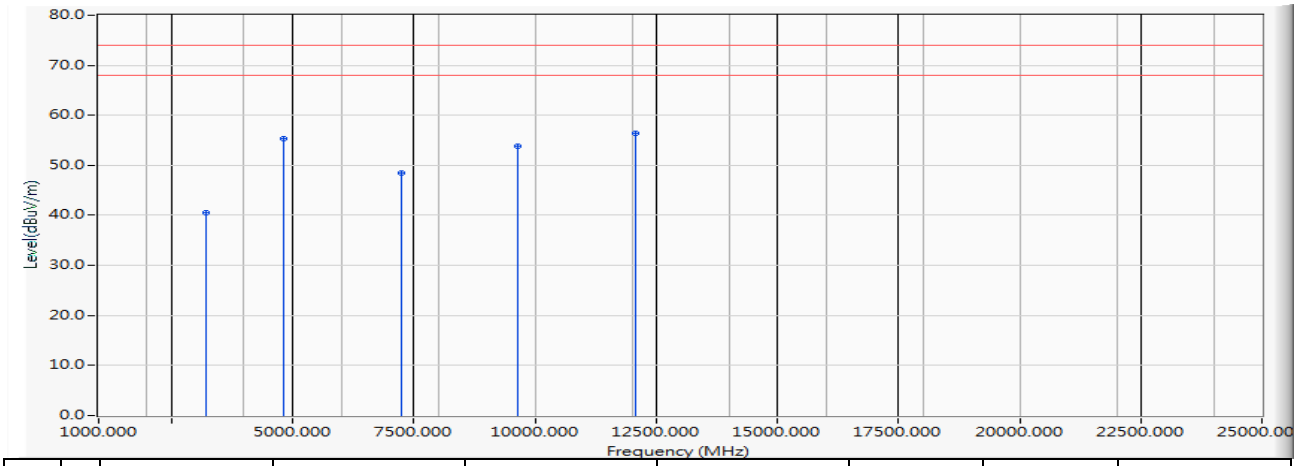


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	12049.500	15.375	18.550	33.925	-20.075	54.000	AVERAGE

Note:

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

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 1: Transmit_CDD Mode_ 802.11b_2412MHz**

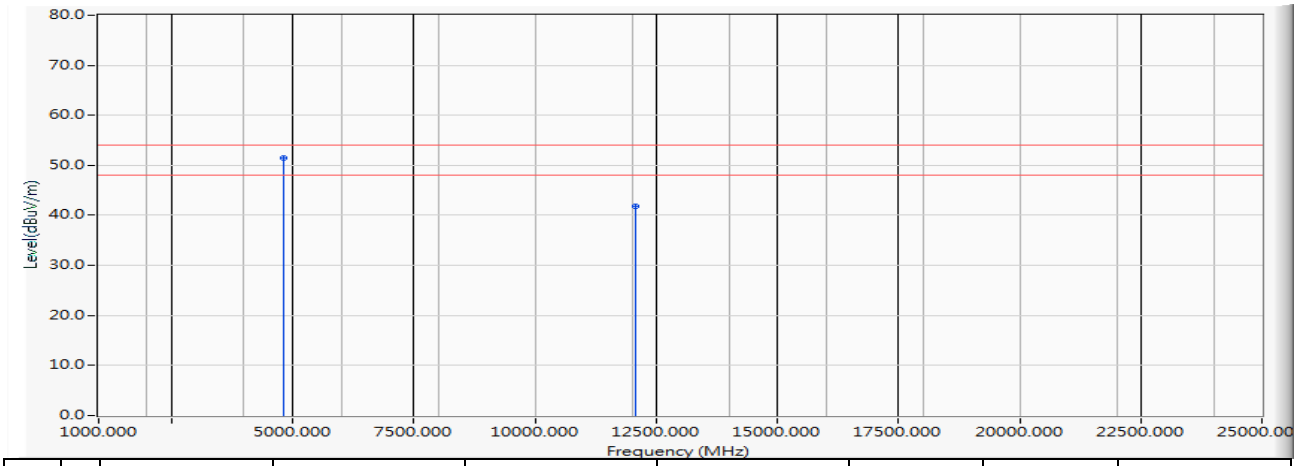


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3216.230	-6.772	47.220	40.448	-33.552	74.000	PEAK
2		4824.400	-0.219	55.470	55.251	-18.749	74.000	PEAK
3		7231.000	7.131	41.410	48.541	-25.459	74.000	PEAK
4		9636.600	12.619	41.110	53.729	-20.271	74.000	PEAK
5	*	12071.800	15.296	41.060	56.357	-17.643	74.000	PEAK

Note:

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

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 1: Transmit_CDD Mode_ 802.11b_2412MHz**

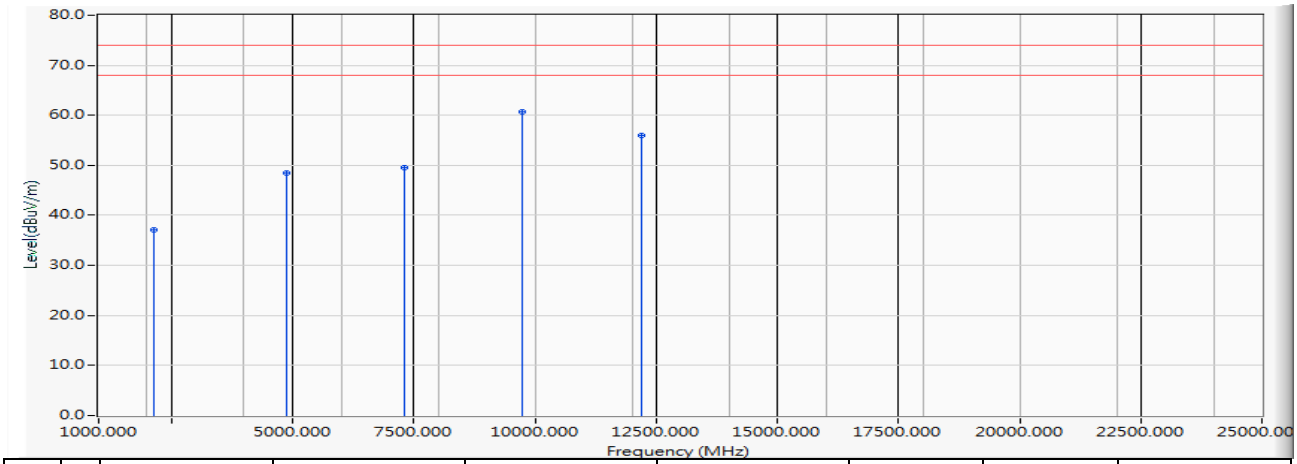


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4824.400	-0.219	51.750	51.531	-2.469	54.000	AVERAGE
2		12069.300	15.307	26.460	41.766	-12.234	54.000	AVERAGE

Note:

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

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 1: Transmit_CDD Mode_ 802.11b_2437MHz**

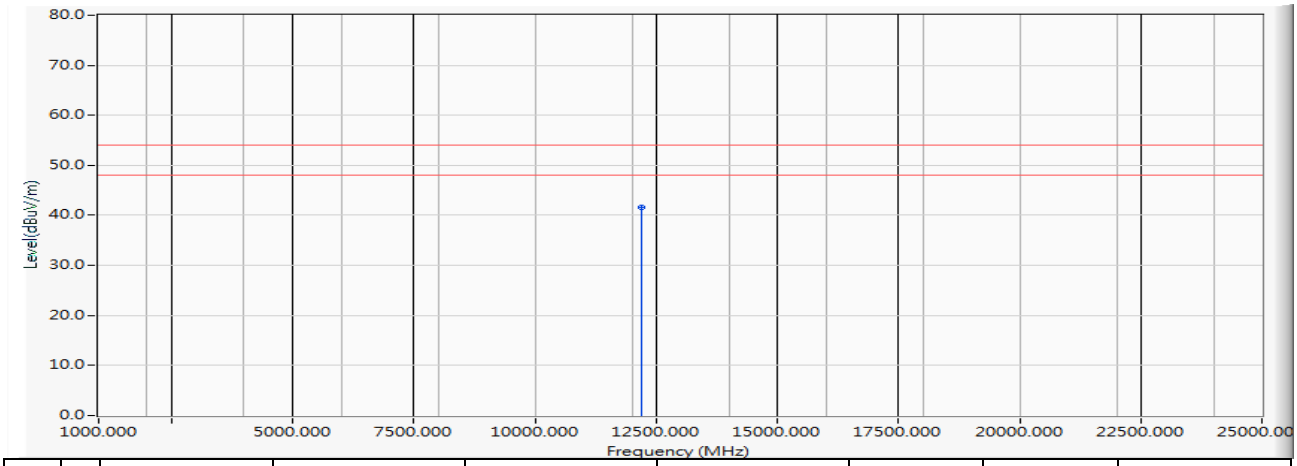


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2151.030	-10.358	47.450	37.091	-36.909	74.000	PEAK
2		4874.300	-0.139	48.510	48.371	-25.629	74.000	PEAK
3		7298.100	7.357	42.200	49.558	-24.442	74.000	PEAK
4	*	9747.996	12.853	47.860	60.713	-13.287	74.000	PEAK
5		12204.900	14.834	41.080	55.915	-18.085	74.000	PEAK

Note:

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

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 1: Transmit_CDD Mode_ 802.11b_2437MHz**

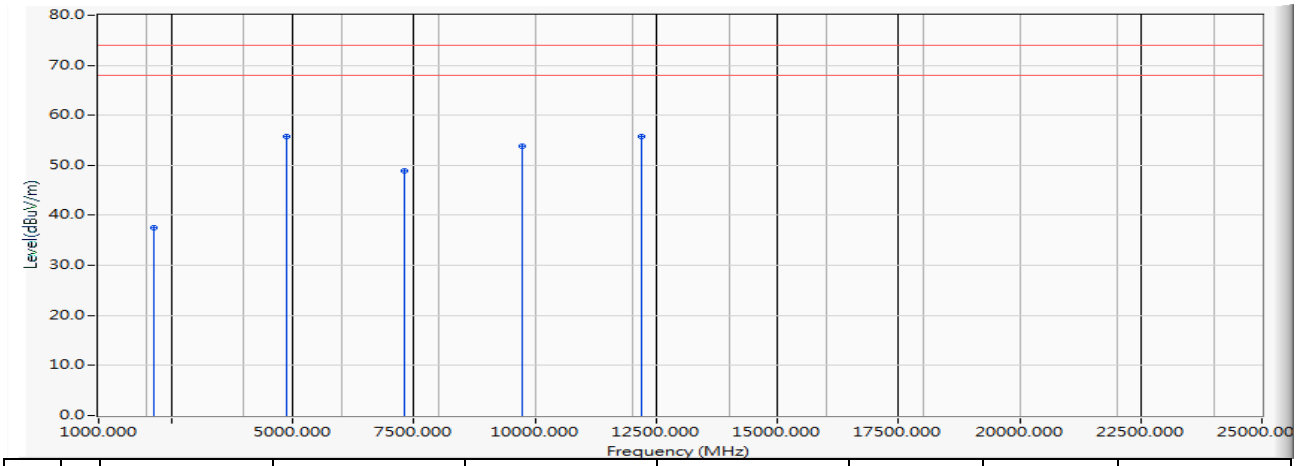


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	12185.000	14.904	26.720	41.624	-12.376	54.000	AVERAGE

Note:

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

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 1: Transmit_CDD Mode_ 802.11b_2437MHz**

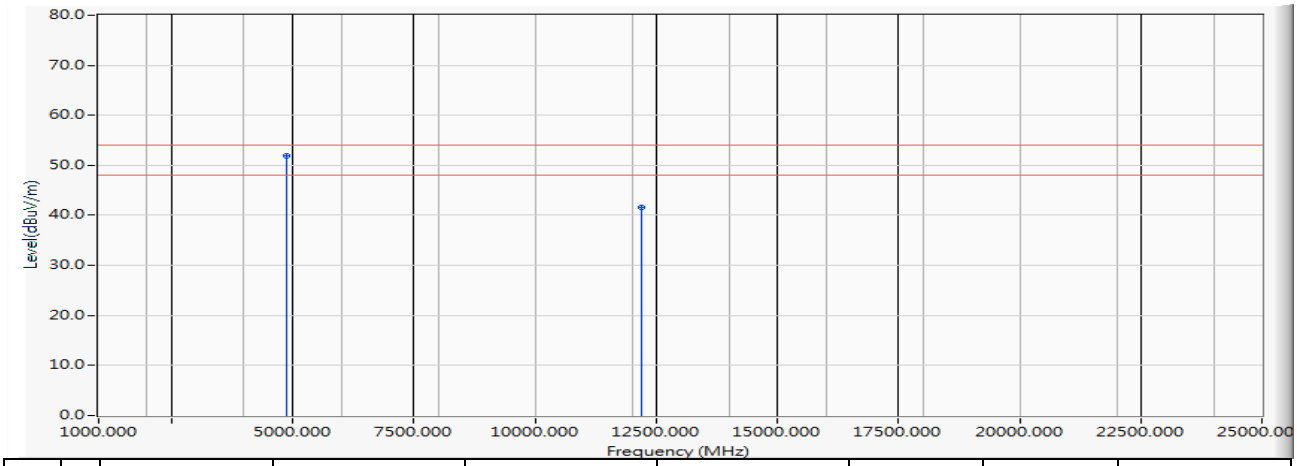


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2147.740	-10.376	47.970	37.595	-36.405	74.000	PEAK
2	*	4874.020	-0.140	56.000	55.860	-18.140	74.000	PEAK
3		7296.180	7.351	41.470	48.821	-25.179	74.000	PEAK
4		9748.500	12.853	40.880	53.733	-20.267	74.000	PEAK
5		12189.160	14.889	40.880	55.769	-18.231	74.000	PEAK

Note:

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

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 1: Transmit_CDD Mode_ 802.11b_2437MHz**

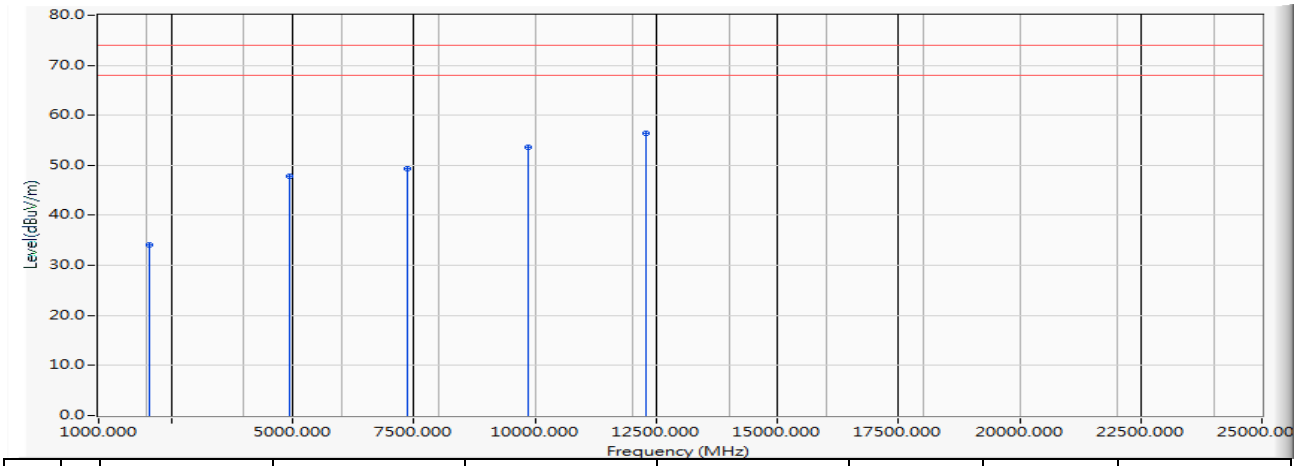


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4873.900	-0.141	52.140	51.999	-2.001	54.000	AVERAGE
2		12194.700	14.870	26.640	41.510	-12.490	54.000	AVERAGE

Note:

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

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 1: Transmit_CDD Mode_ 802.11b_2462MHz**

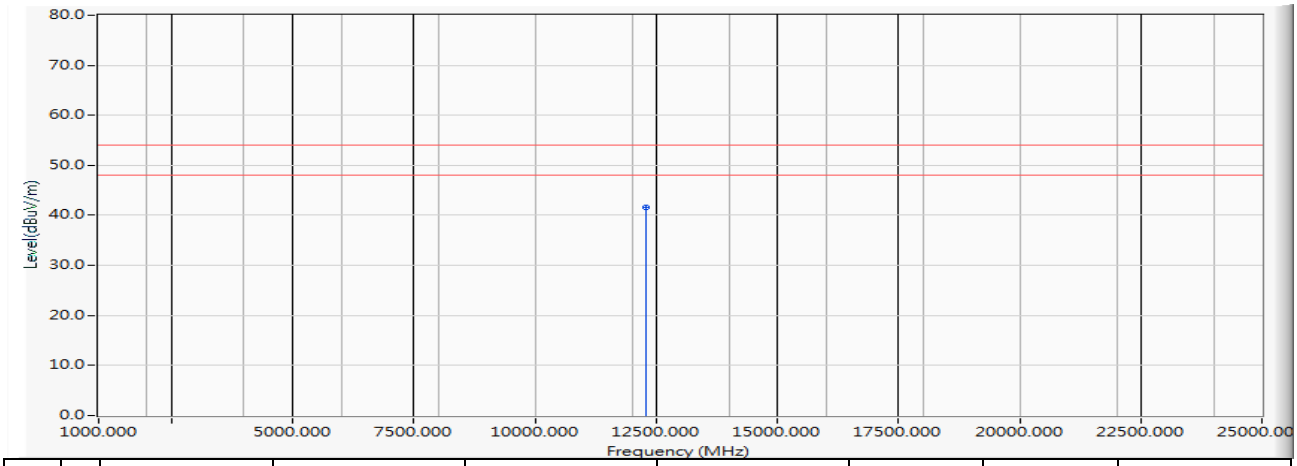


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2040.900	-10.917	44.930	34.014	-39.986	74.000	PEAK
2		4924.000	-0.076	47.990	47.914	-26.086	74.000	PEAK
3		7378.800	7.648	41.700	49.348	-24.652	74.000	PEAK
4		9848.000	12.989	40.630	53.619	-20.381	74.000	PEAK
5	*	12304.880	15.060	41.350	56.410	-17.590	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.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 1: Transmit_CDD Mode_ 802.11b_2462MHz**

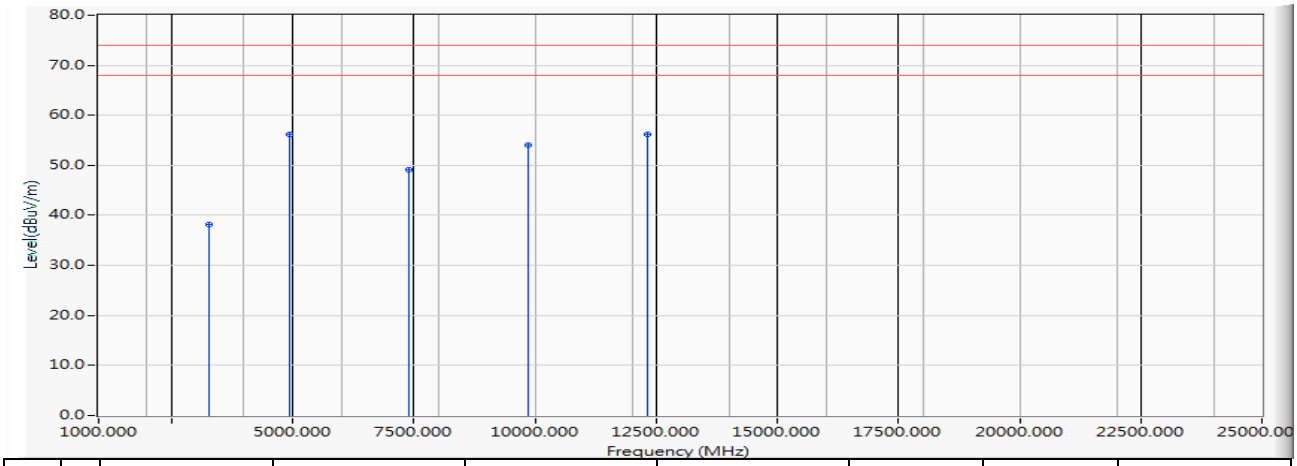


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	12304.880	15.060	26.520	41.580	-12.420	54.000	AVERAGE

Note:

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

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 1: Transmit_CDD Mode_ 802.11b_2462MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3282.800	-6.651	44.880	38.230	-35.770	74.000	PEAK
2		4923.900	-0.076	56.360	56.284	-17.716	74.000	PEAK
3		7388.100	7.681	41.450	49.132	-24.868	74.000	PEAK
4		9857.900	13.003	41.130	54.133	-19.867	74.000	PEAK
5	*	12319.400	15.163	41.130	56.293	-17.707	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.
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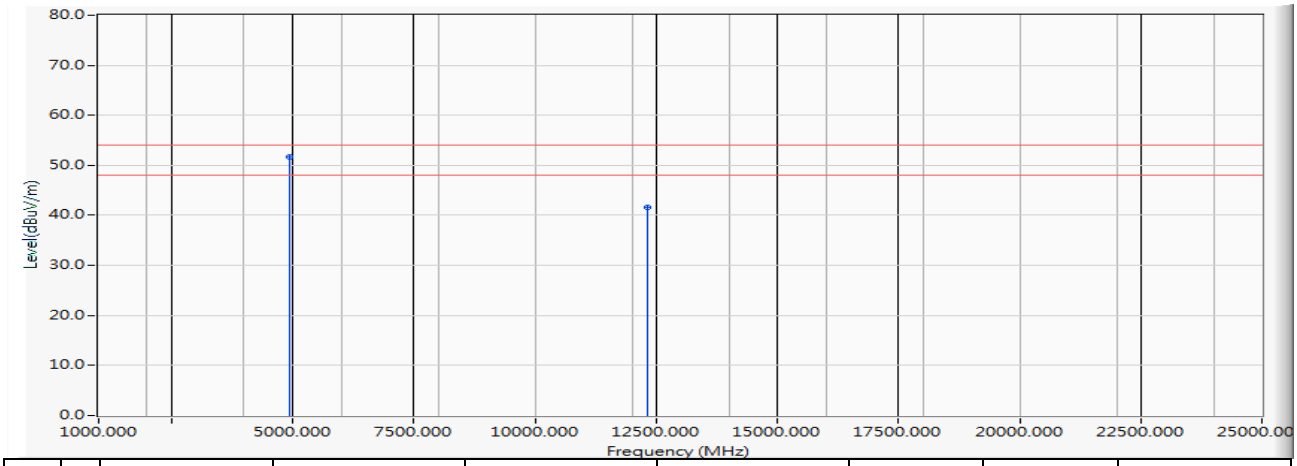
Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 1: Transmit_CDD Mode_ 802.11b_2462MHz**

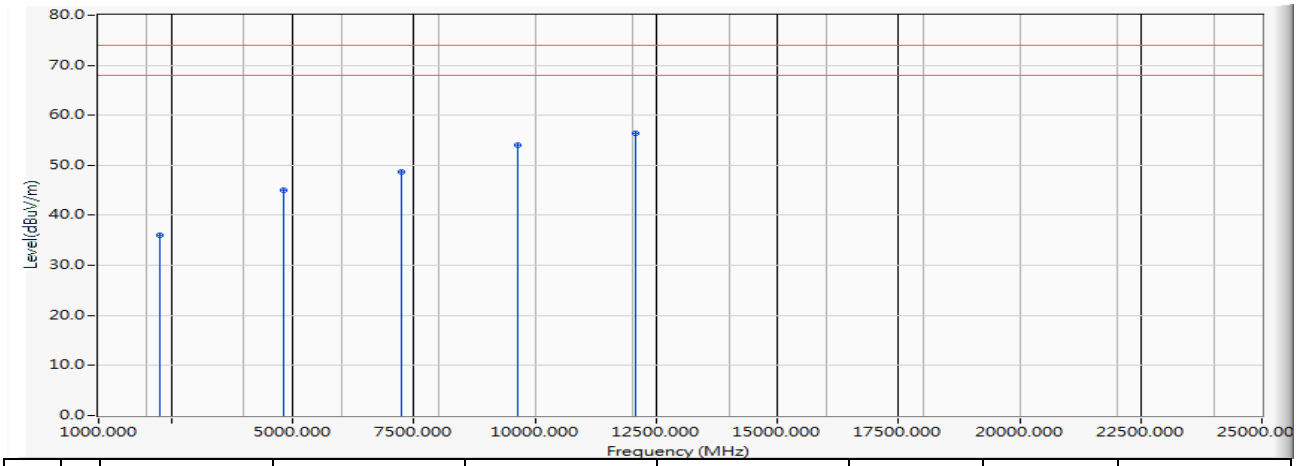


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4924.000	-0.076	51.780	51.704	-2.296	54.000	AVERAGE
2		12319.900	15.166	26.410	41.576	-12.424	54.000	AVERAGE

Note:

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

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 1: Transmit_CDD Mode_ 802.11g_2412MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2255.500	-9.831	45.880	36.049	-37.951	74.000	PEAK
2		4824.400	-0.219	45.360	45.141	-28.859	74.000	PEAK
3		7237.800	7.125	41.490	48.615	-25.385	74.000	PEAK
4		9639.900	12.610	41.350	53.960	-20.040	74.000	PEAK
5	*	12073.020	15.293	41.050	56.343	-17.657	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.
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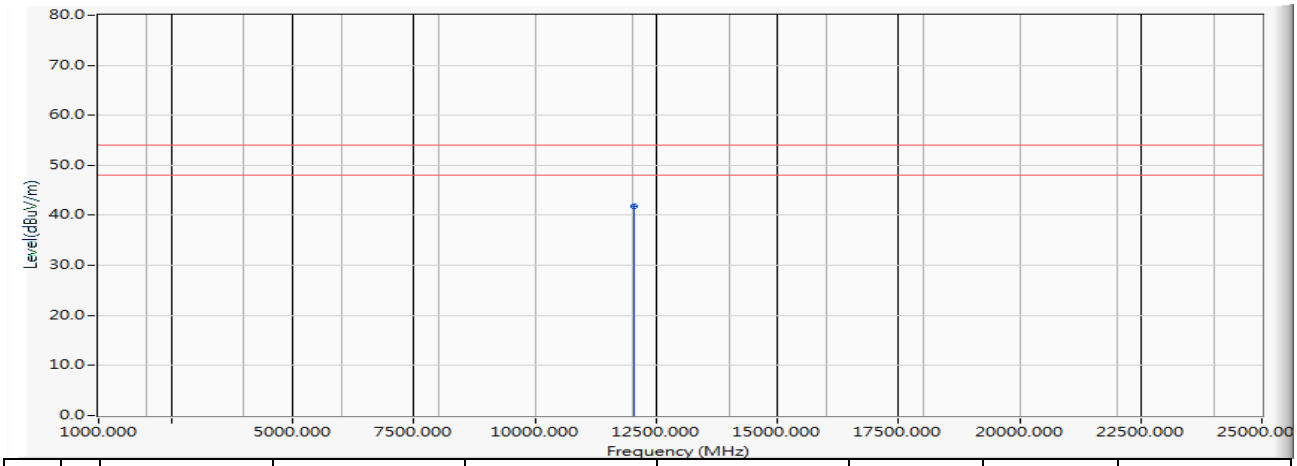
Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 1: Transmit_CDD Mode_ 802.11g_2412MHz**

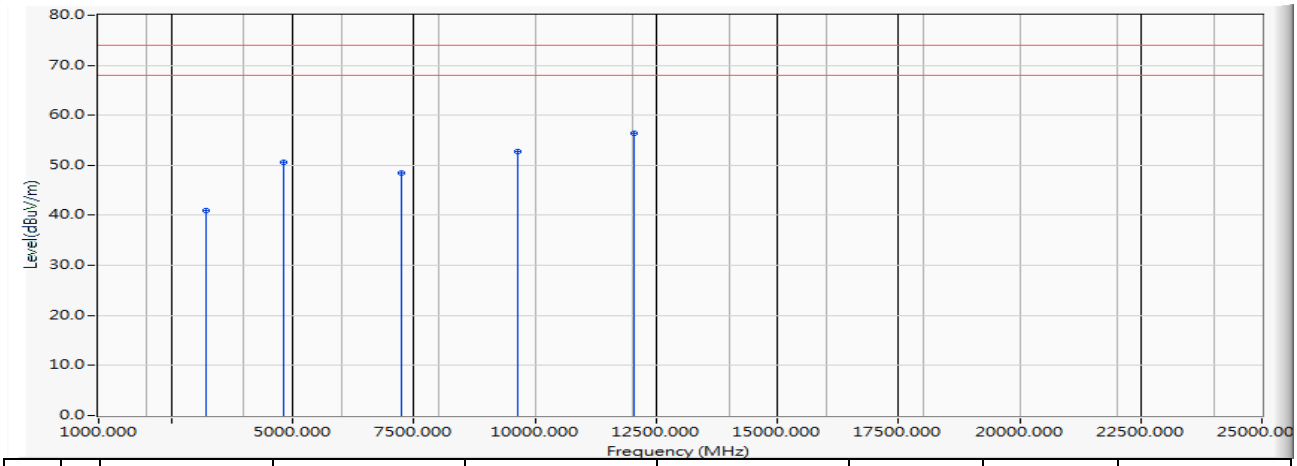


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	12043.700	15.396	26.520	41.915	-12.085	54.000	AVERAGE

Note:

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

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 1: Transmit_CDD Mode_ 802.11g_2412MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3215.900	-6.773	47.780	41.008	-32.992	74.000	PEAK
2		4822.400	-0.217	50.780	50.563	-23.437	74.000	PEAK
3		7239.100	7.126	41.370	48.496	-25.504	74.000	PEAK
4		9649.650	12.583	40.220	52.803	-21.197	74.000	PEAK
5	*	12051.700	15.367	41.030	56.397	-17.603	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
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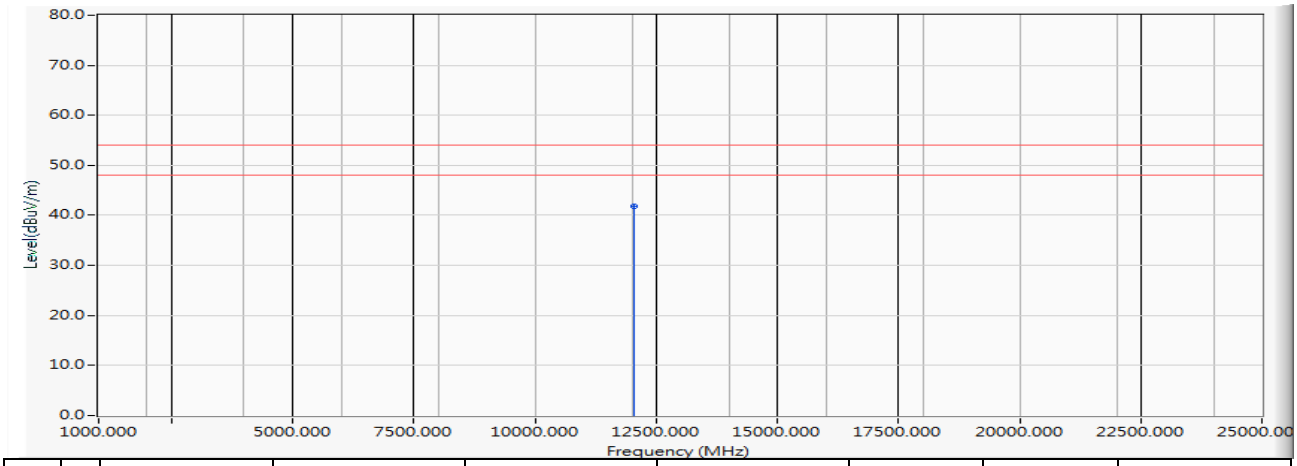
Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 1: Transmit_CDD Mode_ 802.11g_2412MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	12049.090	15.376	26.510	41.886	-12.114	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.
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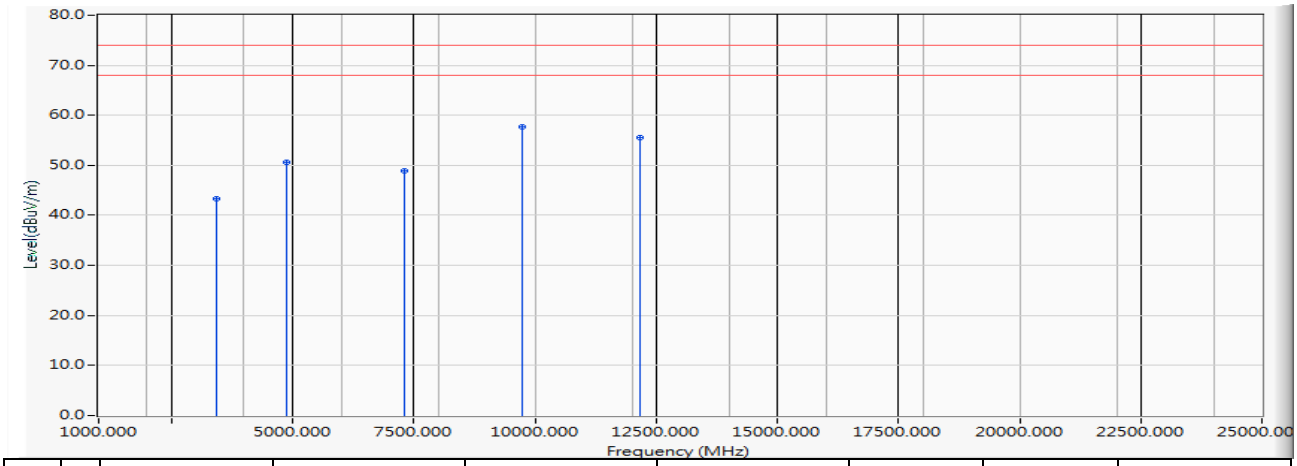
Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 1: Transmit_CDD Mode_ 802.11g_2437MHz**

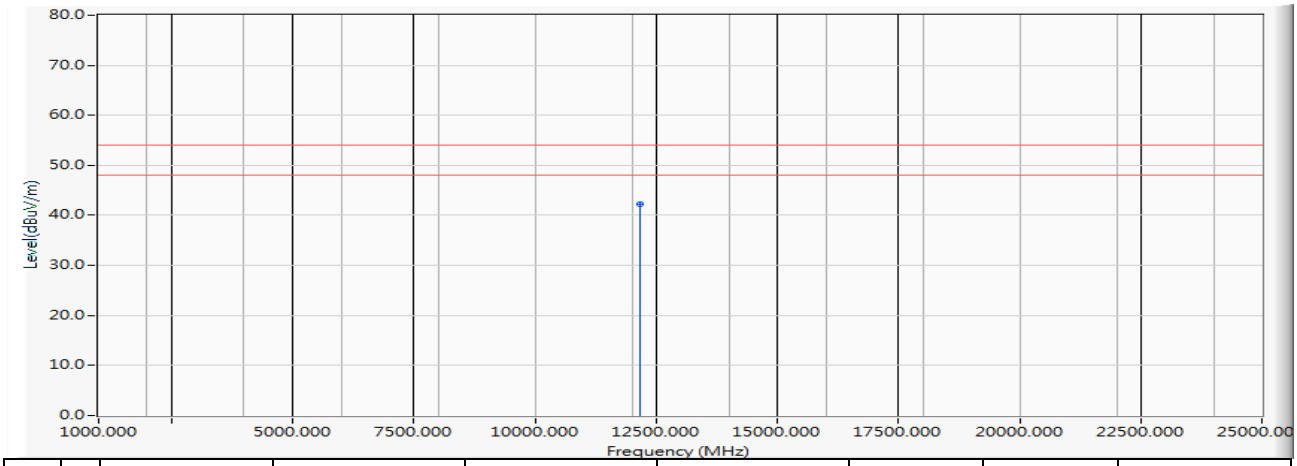


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3441.500	-6.333	49.550	43.217	-30.783	74.000	PEAK
2		4874.770	-0.136	50.840	50.703	-23.297	74.000	PEAK
3		7308.110	7.394	41.420	48.814	-25.186	74.000	PEAK
4	*	9749.000	12.854	44.940	57.794	-16.206	74.000	PEAK
5		12179.500	14.923	40.710	55.633	-18.367	74.000	PEAK

Note:

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

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 1: Transmit_CDD Mode_ 802.11g_2437MHz**

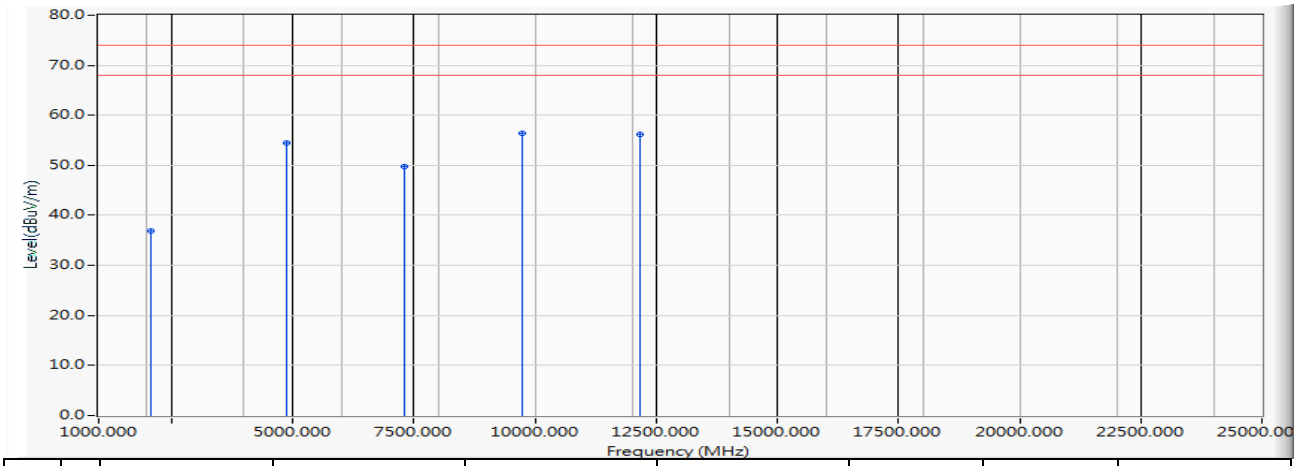


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	12170.100	14.955	27.250	42.206	-11.794	54.000	AVERAGE

Note:

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

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 1: Transmit_CDD Mode_ 802.11g_2437MHz**

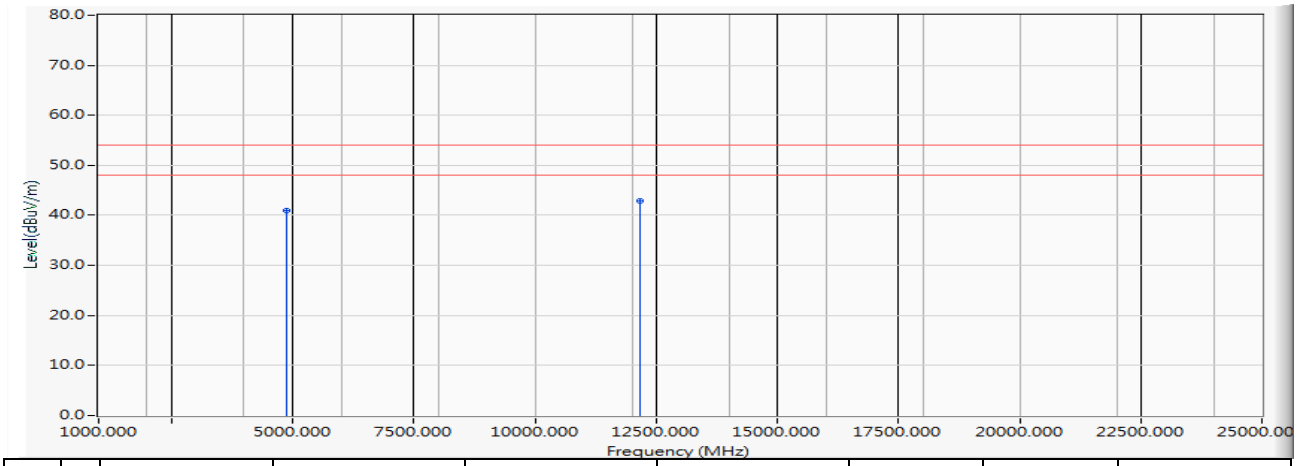


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2080.200	-10.718	47.510	36.793	-37.207	74.000	PEAK
2		4876.400	-0.130	54.640	54.510	-19.490	74.000	PEAK
3		7306.610	7.388	42.280	49.668	-24.332	74.000	PEAK
4	*	9748.000	12.853	43.480	56.333	-17.667	74.000	PEAK
5		12180.700	14.919	41.300	56.219	-17.781	74.000	PEAK

Note:

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

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 1: Transmit_CDD Mode_ 802.11g_2437MHz**

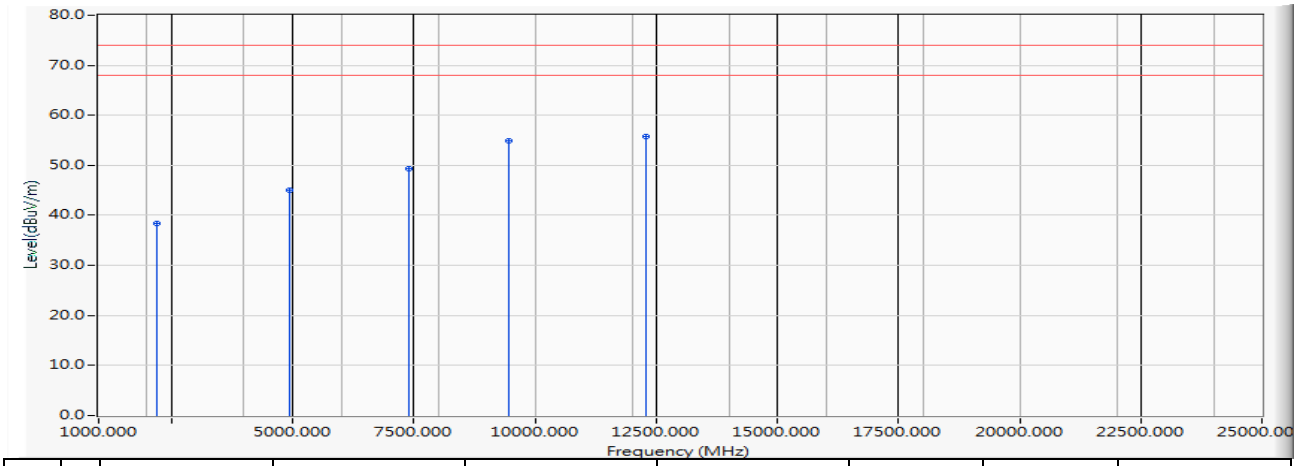


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4873.950	-0.141	41.140	40.999	-13.001	54.000	AVERAGE
2	*	12180.700	14.919	27.880	42.799	-11.201	54.000	AVERAGE

Note:

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

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 1: Transmit_CDD Mode_ 802.11g_2462MHz**

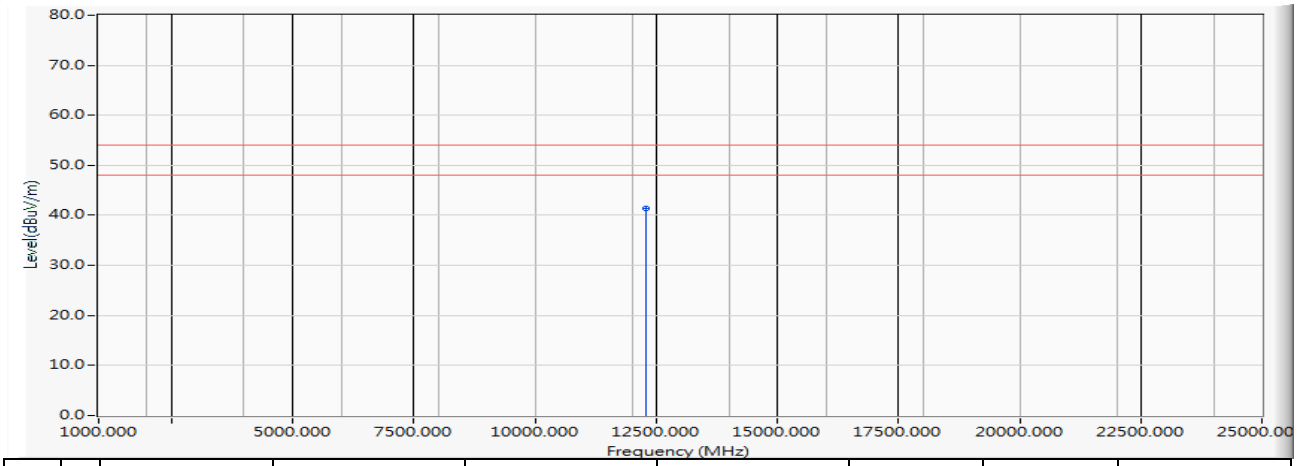


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2208.500	-10.068	48.380	38.312	-35.688	74.000	PEAK
2		4923.900	-0.076	45.060	44.984	-29.016	74.000	PEAK
3		7388.220	7.681	41.660	49.342	-24.658	74.000	PEAK
4		9462.300	12.235	42.660	54.895	-19.105	74.000	PEAK
5	*	12295.500	14.993	40.750	55.743	-18.257	74.000	PEAK

Note:

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

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 1: Transmit_CDD Mode_ 802.11g_2462MHz**

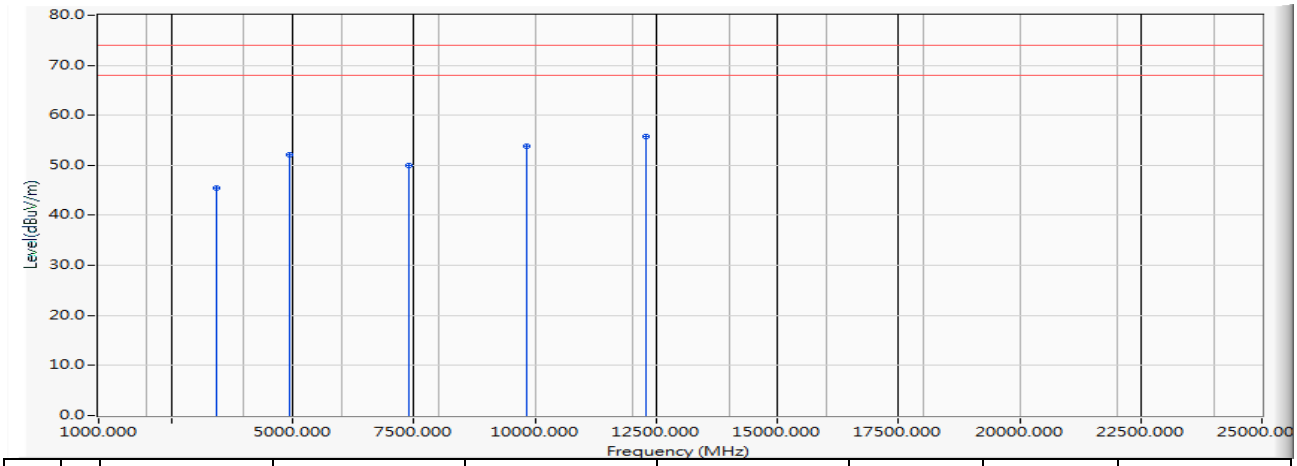


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	12293.200	14.977	26.490	41.467	-12.533	54.000	AVERAGE

Note:

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

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 1: Transmit_CDD Mode_ 802.11g_2462MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3441.500	-6.333	51.880	45.547	-28.453	74.000	PEAK
2		4926.420	-0.072	52.270	52.197	-21.803	74.000	PEAK
3		7398.600	7.719	42.290	50.009	-23.991	74.000	PEAK
4		9841.100	12.980	40.760	53.740	-20.260	74.000	PEAK
5	*	12293.000	14.976	40.820	55.796	-18.204	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
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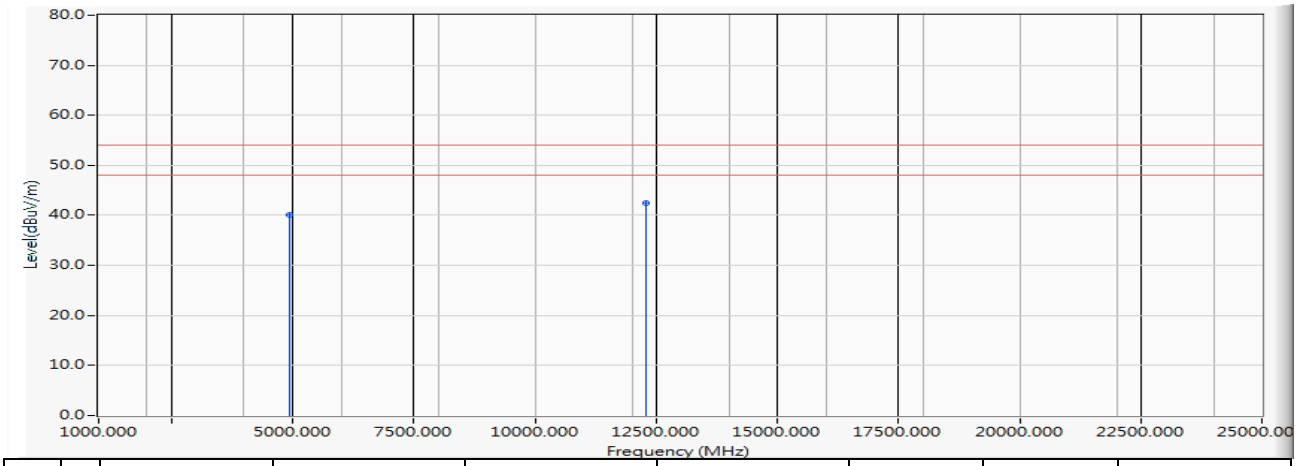
Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 1: Transmit_CDD Mode_ 802.11g_2462MHz**

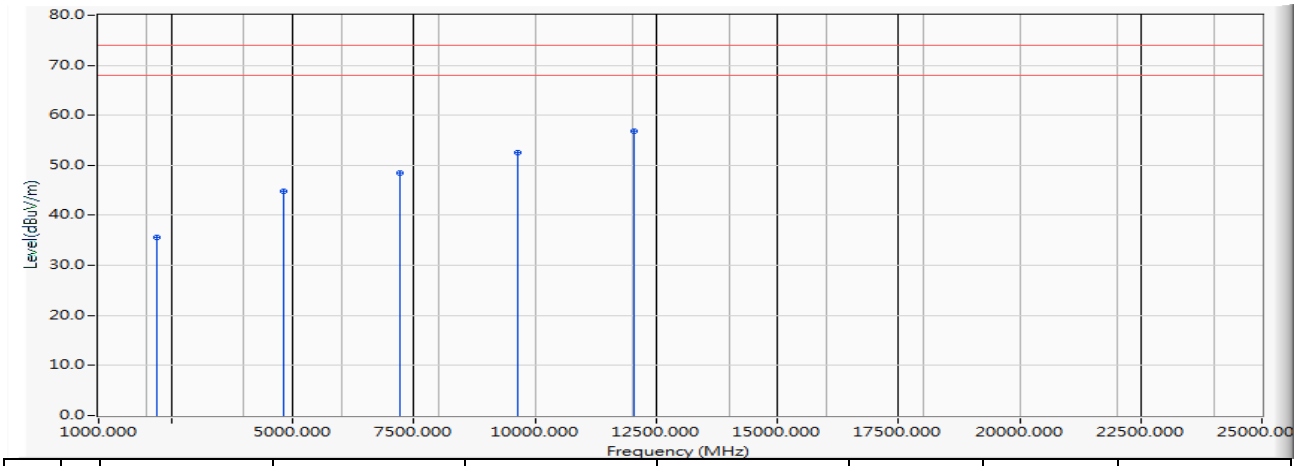


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4923.900	-0.076	40.140	40.064	-13.936	54.000	AVERAGE
2	*	12294.300	14.985	27.420	42.405	-11.595	54.000	AVERAGE

Note:

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

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 2: Transmit_MIMO Mode_ 802.11n(20M)_2412MHz**

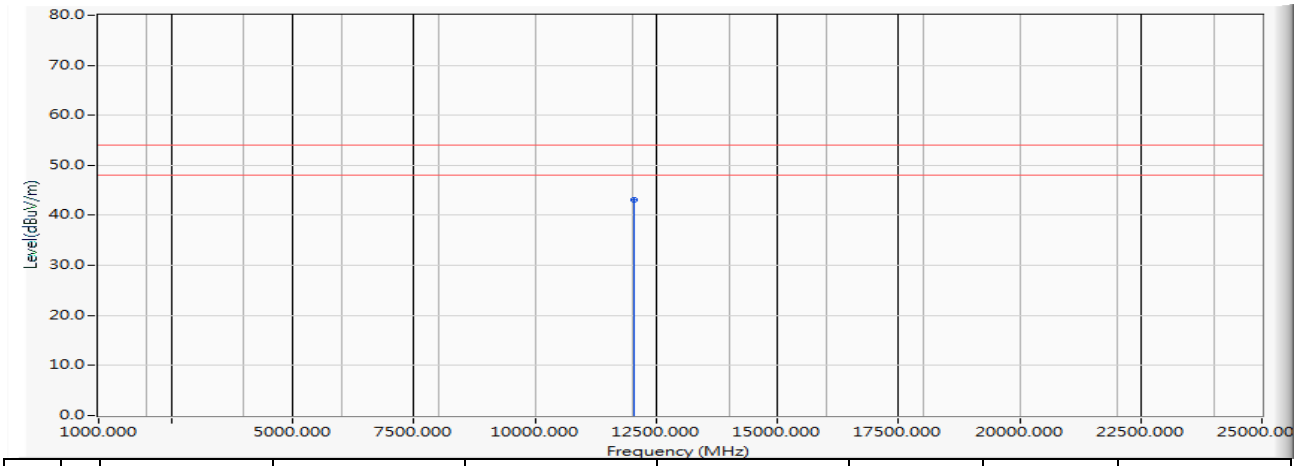


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2205.500	-10.083	45.660	35.577	-38.423	74.000	PEAK
2		4824.200	-0.219	45.000	44.781	-29.219	74.000	PEAK
3		7225.800	7.135	41.330	48.465	-25.535	74.000	PEAK
4		9646.500	12.591	40.050	52.641	-21.359	74.000	PEAK
5	*	12050.400	15.372	41.540	56.912	-17.088	74.000	PEAK

Note:

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

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 2: Transmit_MIMO Mode_ 802.11n(20M)_2412MHz**

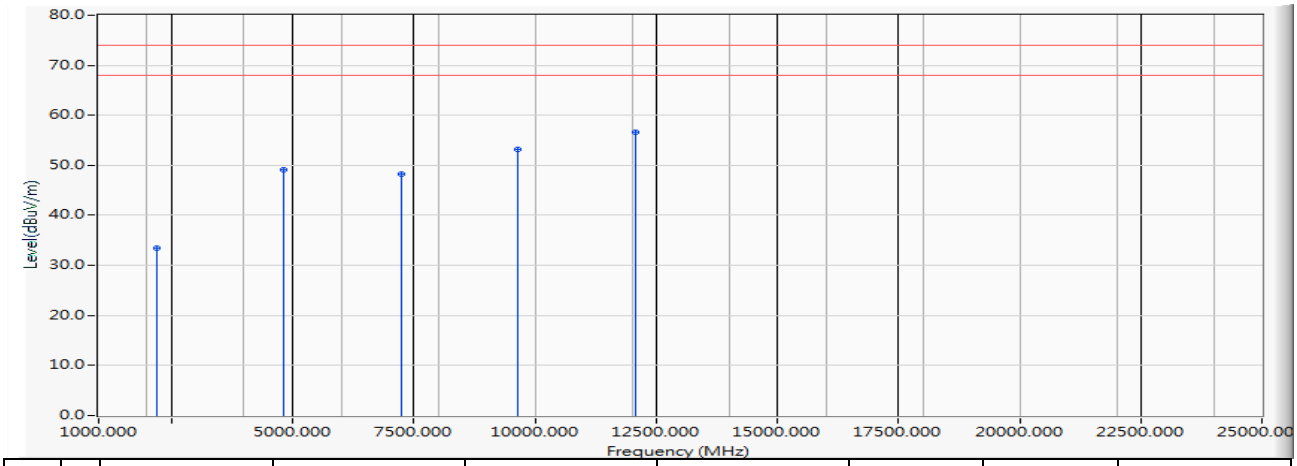


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	12050.500	15.371	27.770	43.141	-10.859	54.000	AVERAGE

Note:

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

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 2: Transmit_MIMO Mode_ 802.11n(20M)_2412MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2208.500	-10.068	43.550	33.482	-40.518	74.000	PEAK
2		4823.500	-0.218	49.360	49.142	-24.858	74.000	PEAK
3		7233.400	7.130	41.230	48.359	-25.641	74.000	PEAK
4		9636.500	12.620	40.670	53.290	-20.710	74.000	PEAK
5	*	12065.100	15.320	41.240	56.561	-17.439	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.
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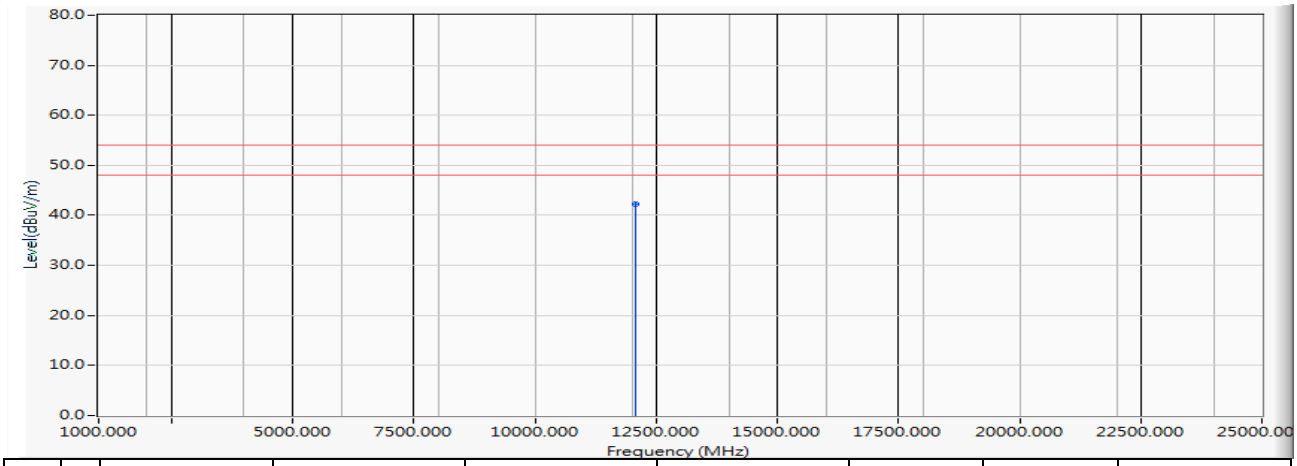
Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 2: Transmit_MIMO Mode_ 802.11n(20M)_2412MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	12065.112	15.320	26.980	42.301	-11.699	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.
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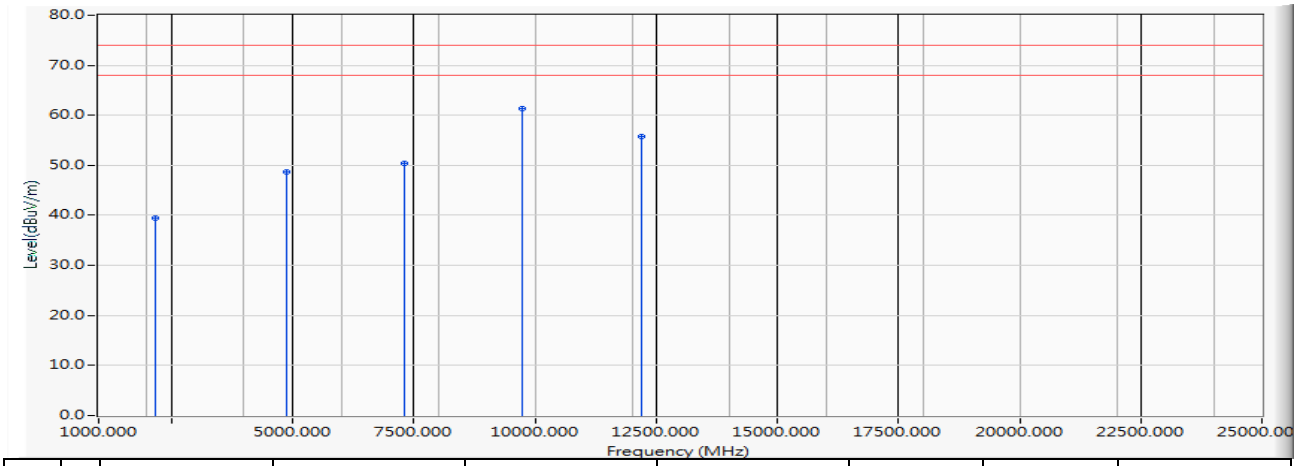
Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 2: Transmit_MIMO Mode_ 802.11n(20M)_2437MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2160.300	-10.312	49.753	39.441	-34.559	74.000	PEAK
2		4875.320	-0.133	48.720	48.586	-25.414	74.000	PEAK
3		7313.400	7.413	42.980	50.393	-23.607	74.000	PEAK
4	*	9745.330	12.850	48.390	61.240	-12.760	74.000	PEAK
5		12188.000	14.894	40.880	55.773	-18.227	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.
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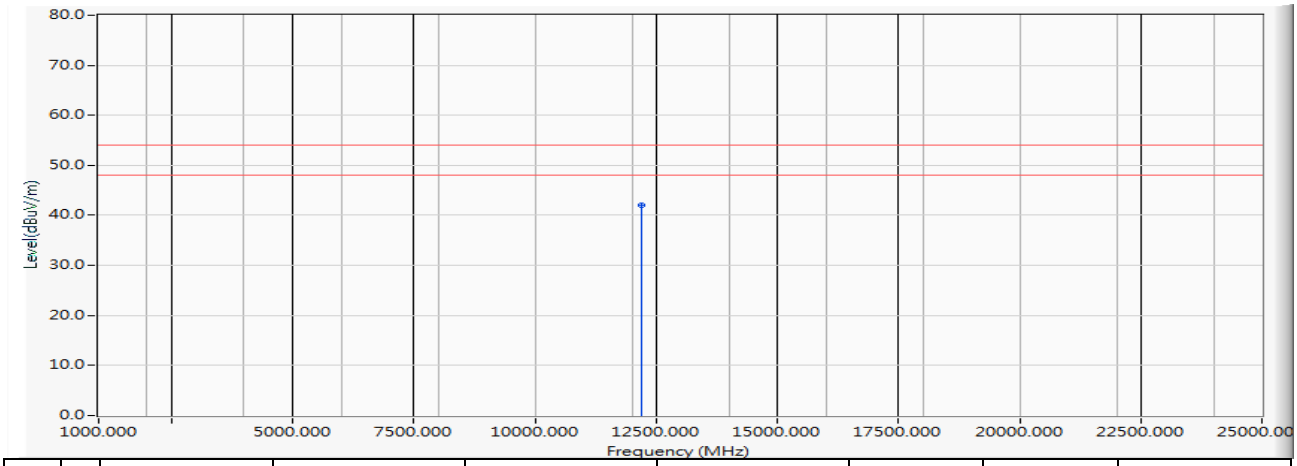
Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 2: Transmit_MIMO Mode_ 802.11n(20M)_2437MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	12188.500	14.891	27.120	42.012	-11.988	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.
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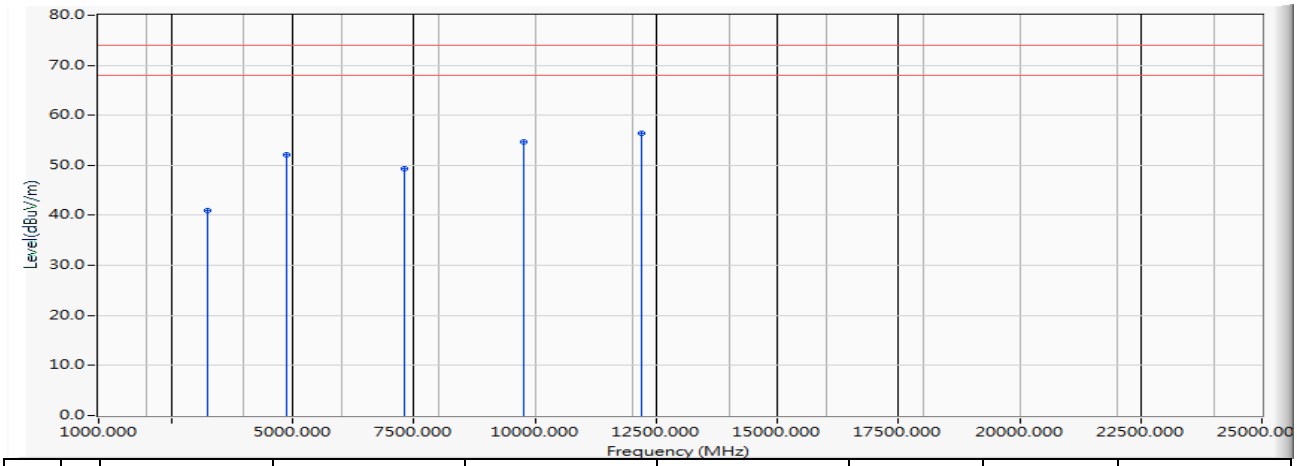
Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 2: Transmit_MIMO Mode_ 802.11n(20M)_2437MHz**

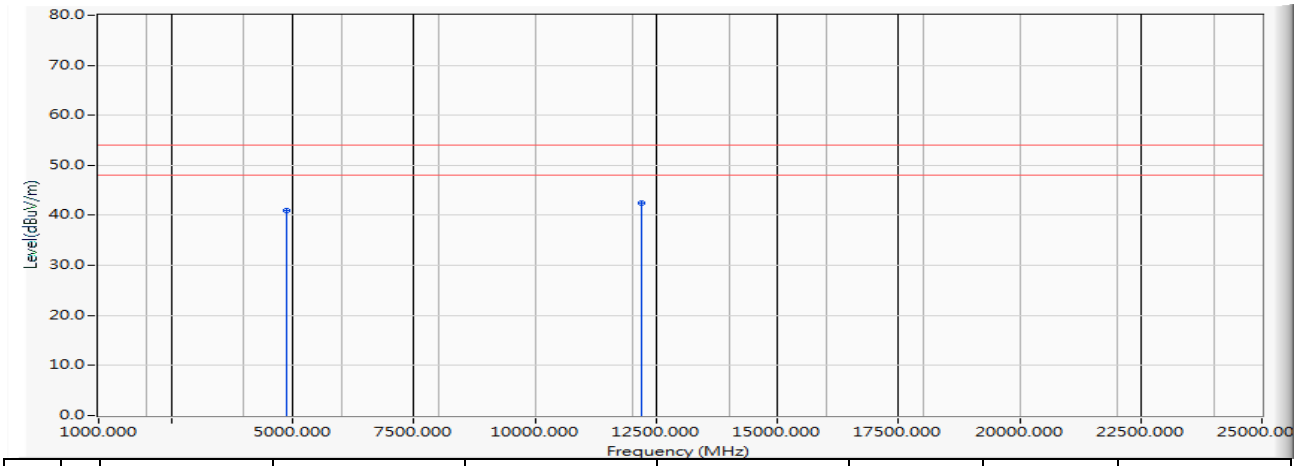


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3249.700	-6.715	47.640	40.925	-33.075	74.000	PEAK
2		4877.550	-0.128	52.350	52.222	-21.778	74.000	PEAK
3		7293.500	7.341	42.050	49.391	-24.609	74.000	PEAK
4		9757.410	12.862	41.860	54.722	-19.278	74.000	PEAK
5	*	12197.100	14.862	41.540	56.402	-17.598	74.000	PEAK

Note:

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

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 2: Transmit_MIMO Mode_ 802.11n(20M)_2437MHz**

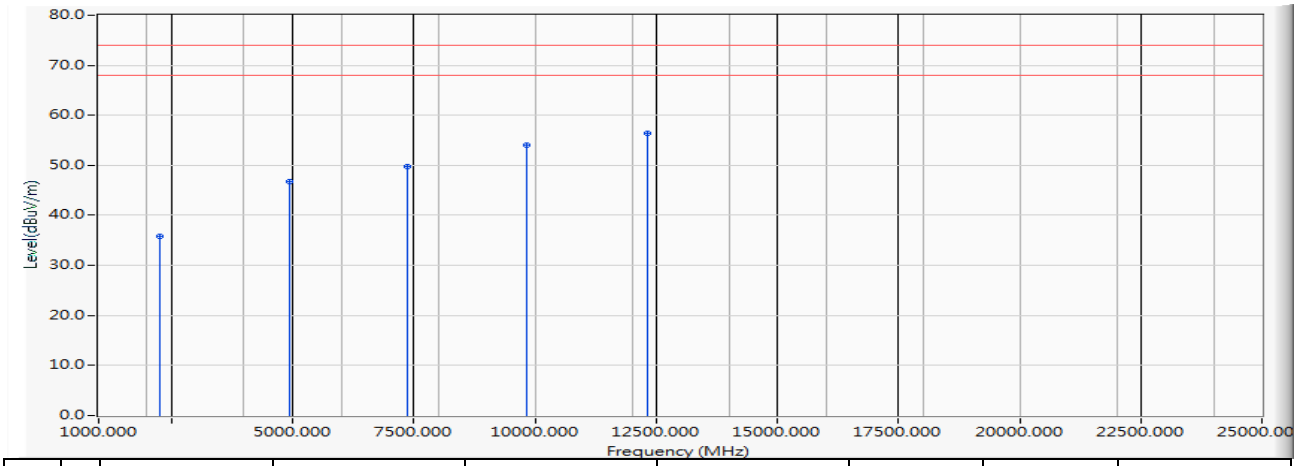


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4873.900	-0.141	41.160	41.019	-12.981	54.000	AVERAGE
2	*	12187.460	14.896	27.550	42.445	-11.555	54.000	AVERAGE

Note:

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

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 2: Transmit_MIMO Mode_ 802.11n(20M)_2462MHz**

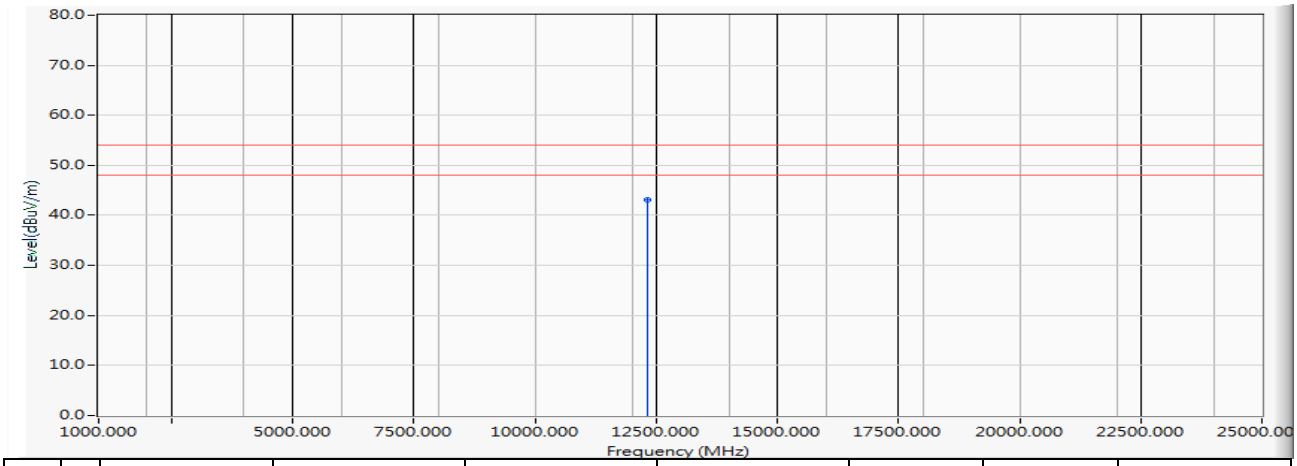


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2256.320	-9.827	45.680	35.853	-38.147	74.000	PEAK
2		4924.200	-0.076	46.900	46.825	-27.175	74.000	PEAK
3		7369.550	7.615	42.130	49.745	-24.255	74.000	PEAK
4		9828.400	12.962	41.000	53.962	-20.038	74.000	PEAK
5	*	12321.800	15.179	41.190	56.370	-17.630	74.000	PEAK

Note:

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

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 2: Transmit_MIMO Mode_ 802.11n(20M)_2462MHz**

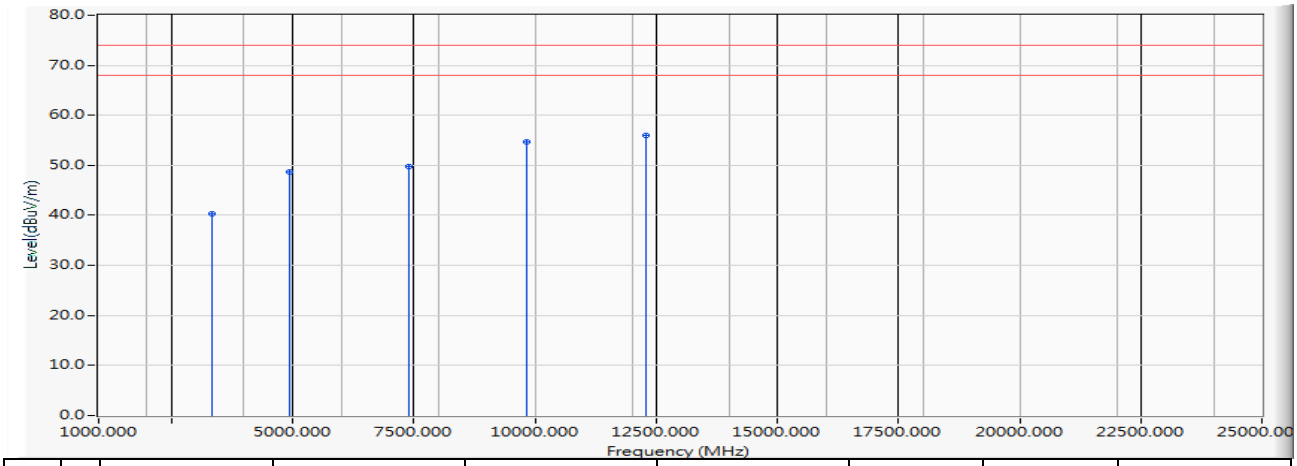


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	12321.800	15.179	27.950	43.130	-10.870	54.000	AVERAGE

Note:

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

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 2: Transmit_MIMO Mode_ 802.11n(20M)_2462MHz**

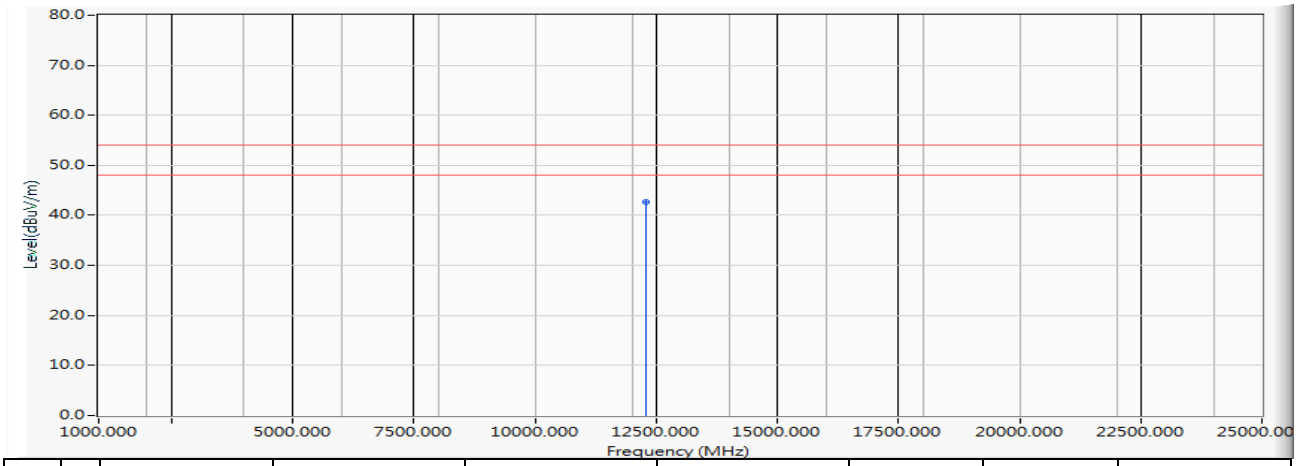


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3325.200	-6.565	46.880	40.315	-33.685	74.000	PEAK
2		4924.000	-0.076	48.770	48.694	-25.306	74.000	PEAK
3		7385.500	7.672	42.090	49.762	-24.238	74.000	PEAK
4		9841.220	12.980	41.610	54.590	-19.410	74.000	PEAK
5	*	12302.550	15.043	41.030	56.073	-17.927	74.000	PEAK

Note:

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

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 2: Transmit_MIMO Mode_ 802.11n(20M)_2462MHz**

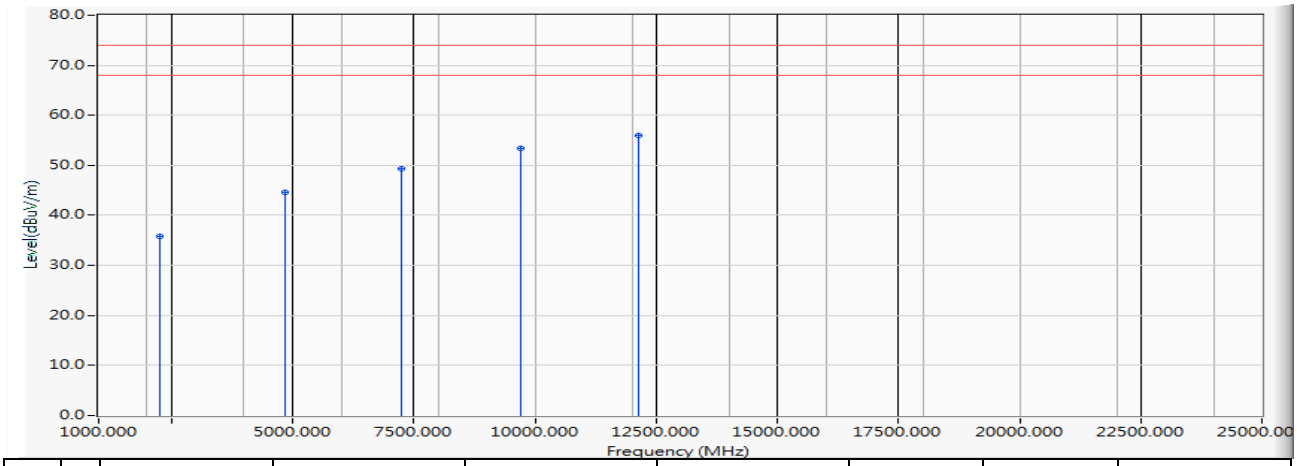


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	12295.700	14.995	27.580	42.575	-11.425	54.000	AVERAGE

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.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 2: Transmit_MIMO Mode_ 802.11n(40M)_2422MHz**

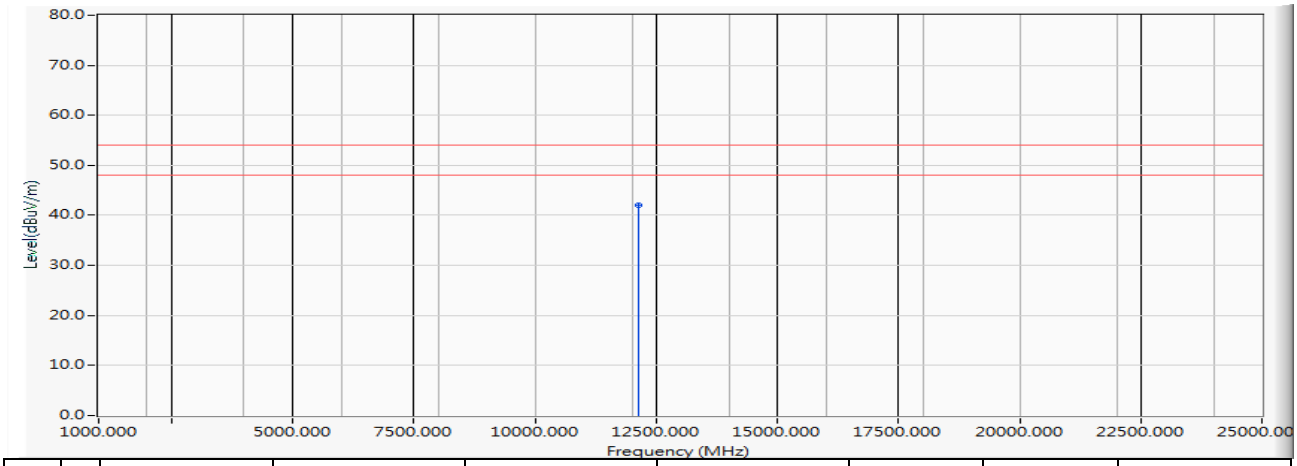


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2255.720	-9.829	45.660	35.830	-38.170	74.000	PEAK
2		4843.800	-0.158	44.840	44.682	-29.318	74.000	PEAK
3		7257.500	7.335	41.990	49.326	-24.674	74.000	PEAK
4		9697.540	12.803	40.690	53.493	-20.507	74.000	PEAK
5	*	12126.400	15.107	40.950	56.058	-17.942	74.000	PEAK

Note:

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

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 2: Transmit_MIMO Mode_ 802.11n(40M)_2422MHz**

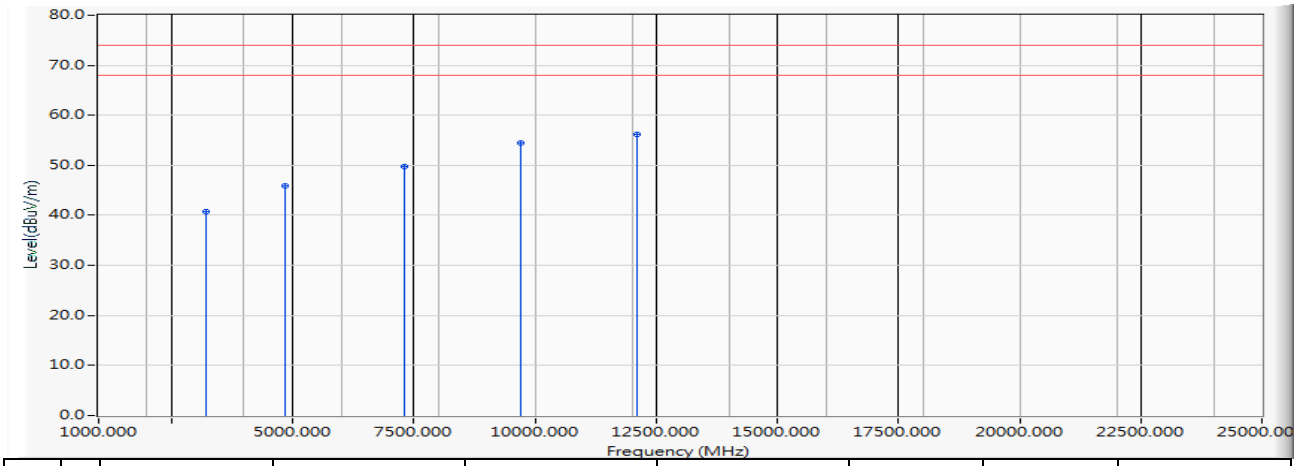


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	12135.500	15.075	26.980	42.056	-11.944	54.000	AVERAGE

Note:

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

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 2: Transmit_MIMO Mode_ 802.11n(40M)_2422MHz**

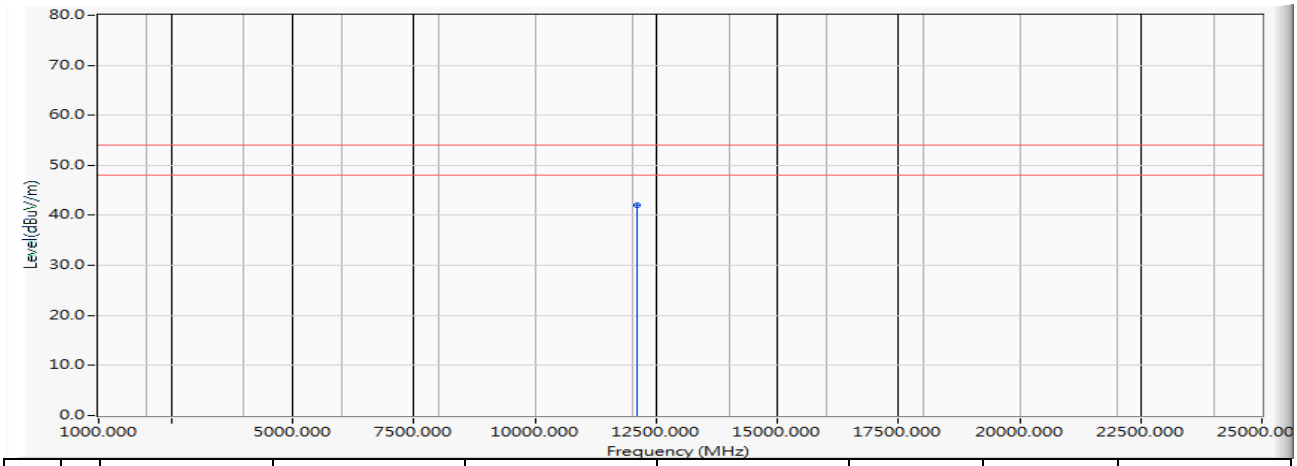


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3229.130	-6.750	47.450	40.700	-33.300	74.000	PEAK
2		4843.790	-0.158	46.030	45.872	-28.128	74.000	PEAK
3		7300.800	7.367	42.480	49.847	-24.153	74.000	PEAK
4		9715.900	12.827	41.588	54.415	-19.585	74.000	PEAK
5	*	12116.800	15.140	41.050	56.191	-17.809	74.000	PEAK

Note:

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

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 2: Transmit_MIMO Mode_ 802.11n(40M)_2422MHz**

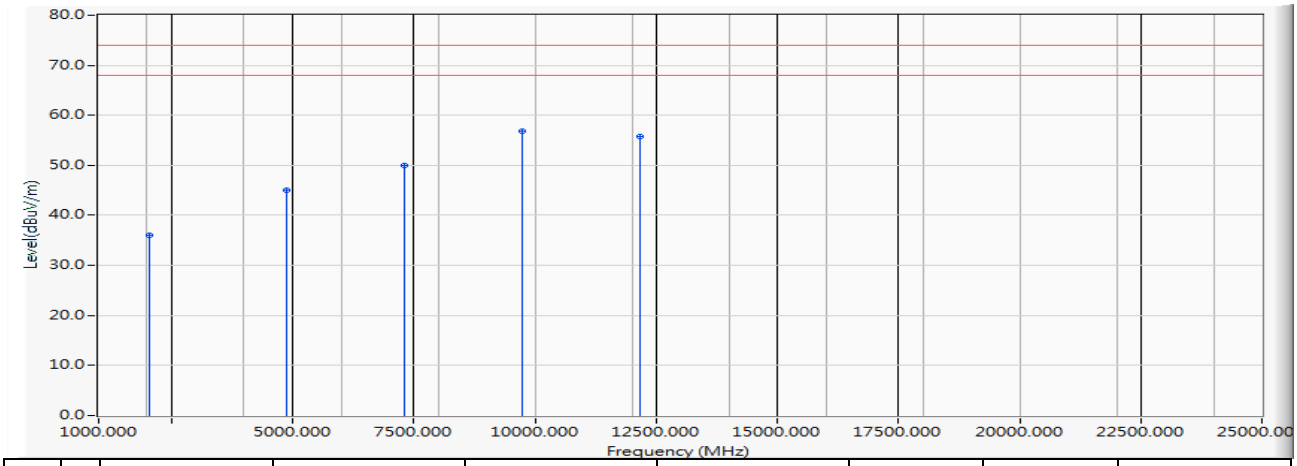


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	12116.800	15.140	26.810	41.951	-12.049	54.000	AVERAGE

Note:

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

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 2: Transmit_MIMO Mode_ 802.11n(40M)_2437MHz**

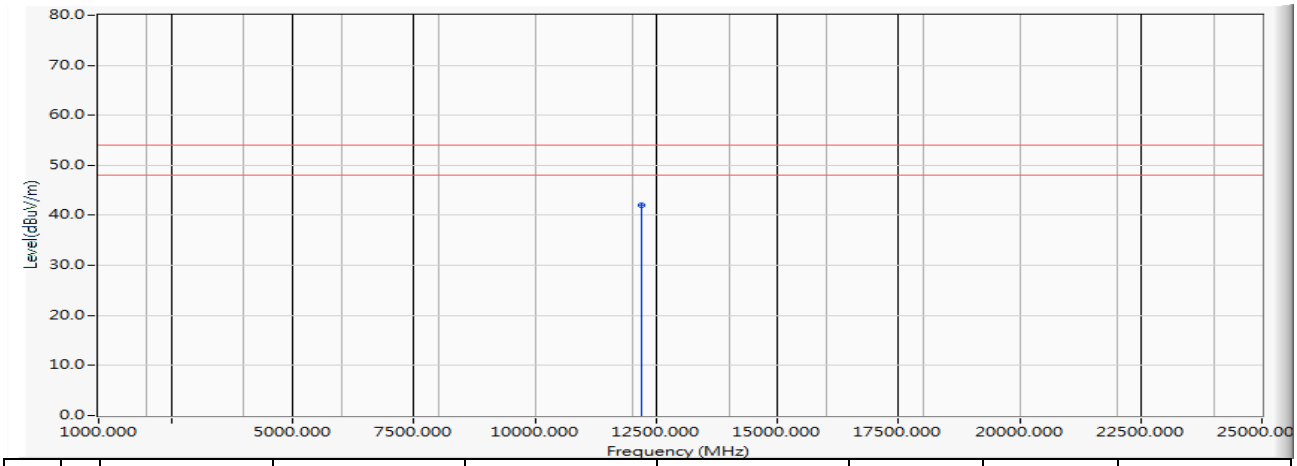


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2039.450	-10.924	46.850	35.926	-38.074	74.000	PEAK
2		4873.800	-0.141	45.090	44.948	-29.052	74.000	PEAK
3		7312.500	7.410	42.620	50.030	-23.970	74.000	PEAK
4	*	9737.500	12.844	44.040	56.884	-17.116	74.000	PEAK
5		12183.000	14.911	40.920	55.831	-18.169	74.000	PEAK

Note:

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

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 2: Transmit_MIMO Mode_ 802.11n(40M)_2437MHz**

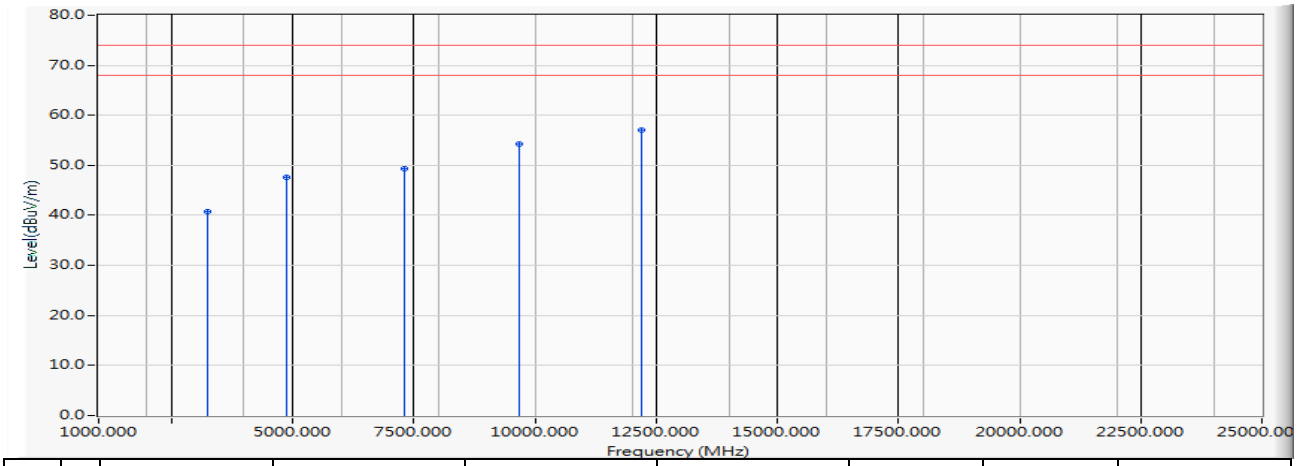


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	12191.500	14.881	27.120	42.001	-11.999	54.000	AVERAGE

Note:

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

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 2: Transmit_MIMO Mode_ 802.11n(40M)_2437MHz**

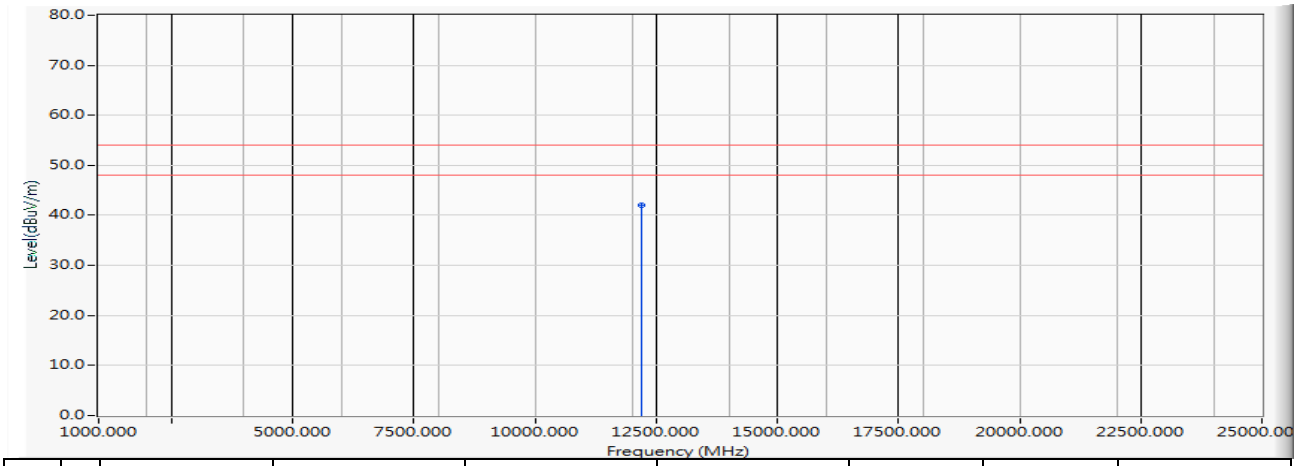


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3249.400	-6.716	47.490	40.775	-33.225	74.000	PEAK
2		4870.500	-0.159	47.770	47.611	-26.389	74.000	PEAK
3		7297.150	7.355	41.990	49.344	-24.656	74.000	PEAK
4		9676.800	12.689	41.510	54.199	-19.801	74.000	PEAK
5	*	12194.400	14.871	42.170	57.041	-16.959	74.000	PEAK

Note:

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

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 2: Transmit_MIMO Mode_ 802.11n(40M)_2437MHz**

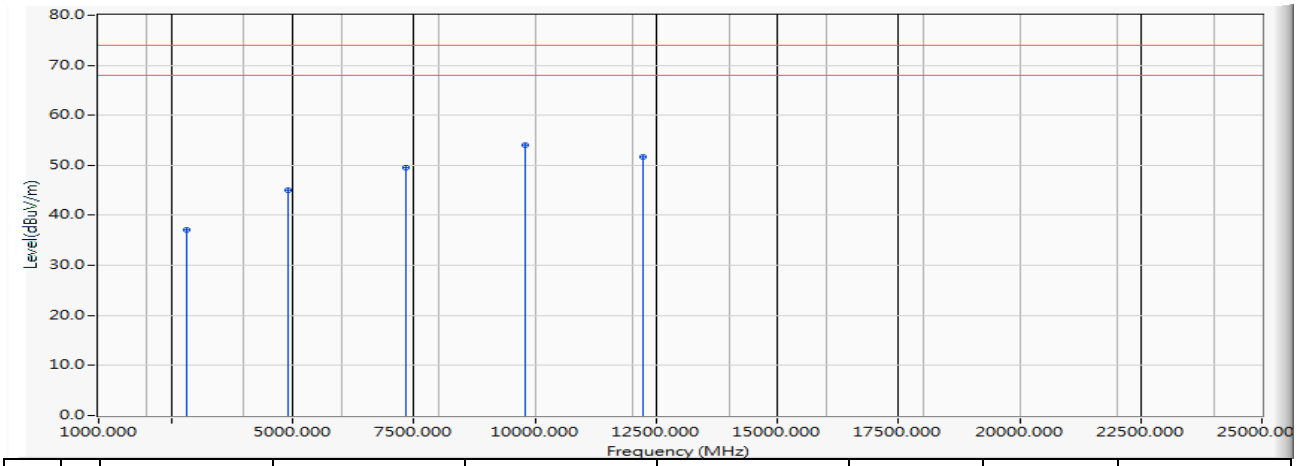


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	12194.500	14.871	27.110	41.981	-12.019	54.000	AVERAGE

Note:

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

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 2: Transmit_MIMO Mode_ 802.11n(40M)_2452MHz**

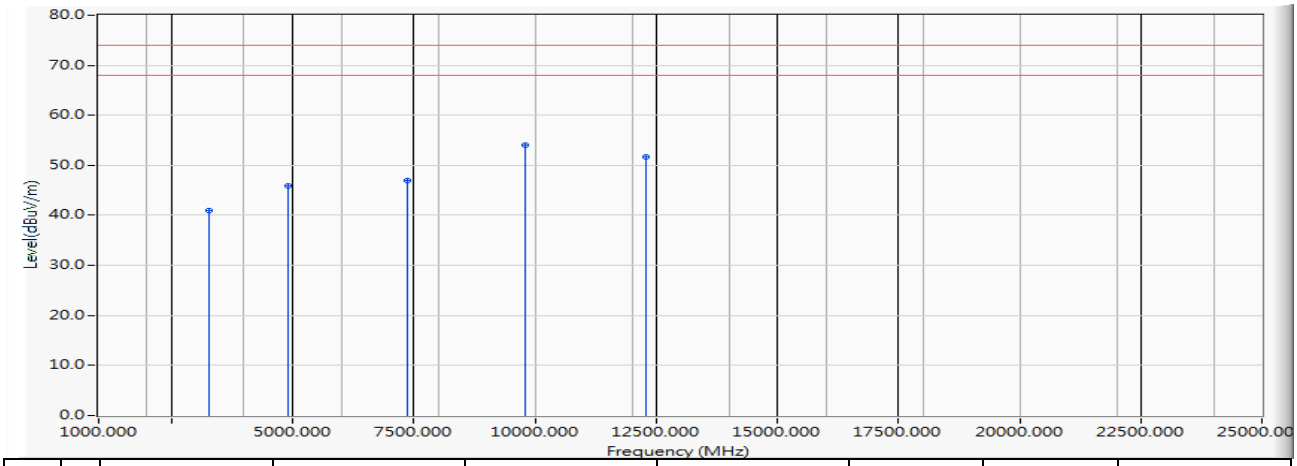


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2823.800	-7.649	44.840	37.192	-36.808	74.000	PEAK
2		4904.100	-0.099	45.210	45.112	-28.888	74.000	PEAK
3		7337.700	7.500	42.080	49.580	-24.420	74.000	PEAK
4	*	9808.120	12.933	41.190	54.123	-19.877	74.000	PEAK
5		12240.000	14.719	36.870	51.589	-22.411	74.000	PEAK

Note:

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

Site : DEKRA Taiwan CB2-H	**Time : 2017/10/30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Verizon Mesh Router	**Note : Mode 2: Transmit_MIMO Mode_ 802.11n(40M)_2452MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3269.300	-6.677	47.590	40.913	-33.087	74.000	PEAK
2		4900.720	-0.103	46.090	45.988	-28.012	74.000	PEAK
3		7376.500	7.640	39.410	47.050	-26.950	74.000	PEAK
4	*	9796.050	12.916	41.230	54.146	-19.854	74.000	PEAK
5		12280.500	14.886	36.810	51.697	-22.303	74.000	PEAK

Note:

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

5. RF antenna conducted test

5.1. Test Equipment

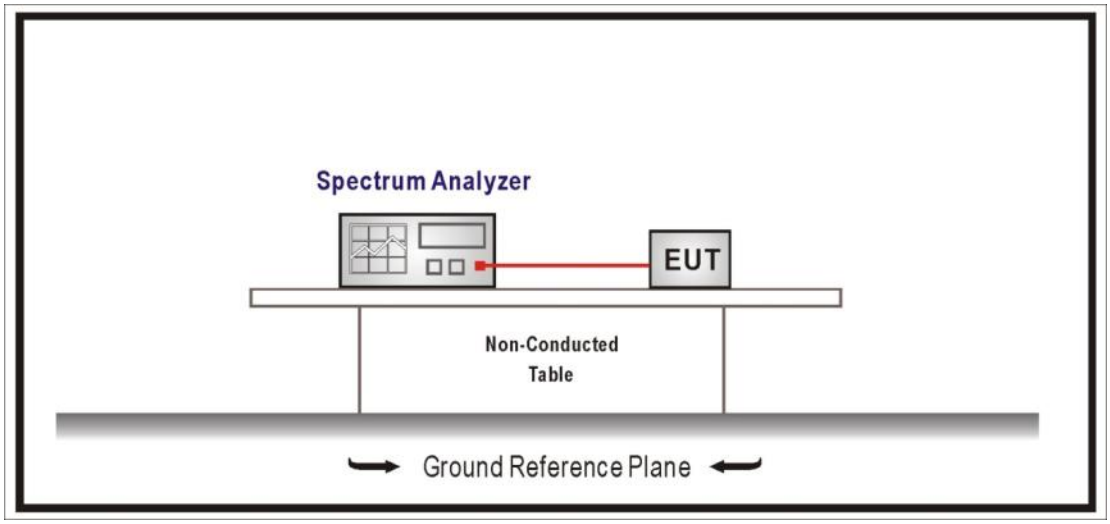
The following test equipment are used during the test:

RF antenna conducted test / SR10-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal & Spectrum Analyzer	R&S	FSV40	101049	2017/01/23	2018/01/22
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2017/03/13	2018/03/12
Spectrum Analyzer	Agilent	N9010A	US47140172	2017/07/26	2018/07/25

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 D01V04 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: 2016

5.6. Uncertainty

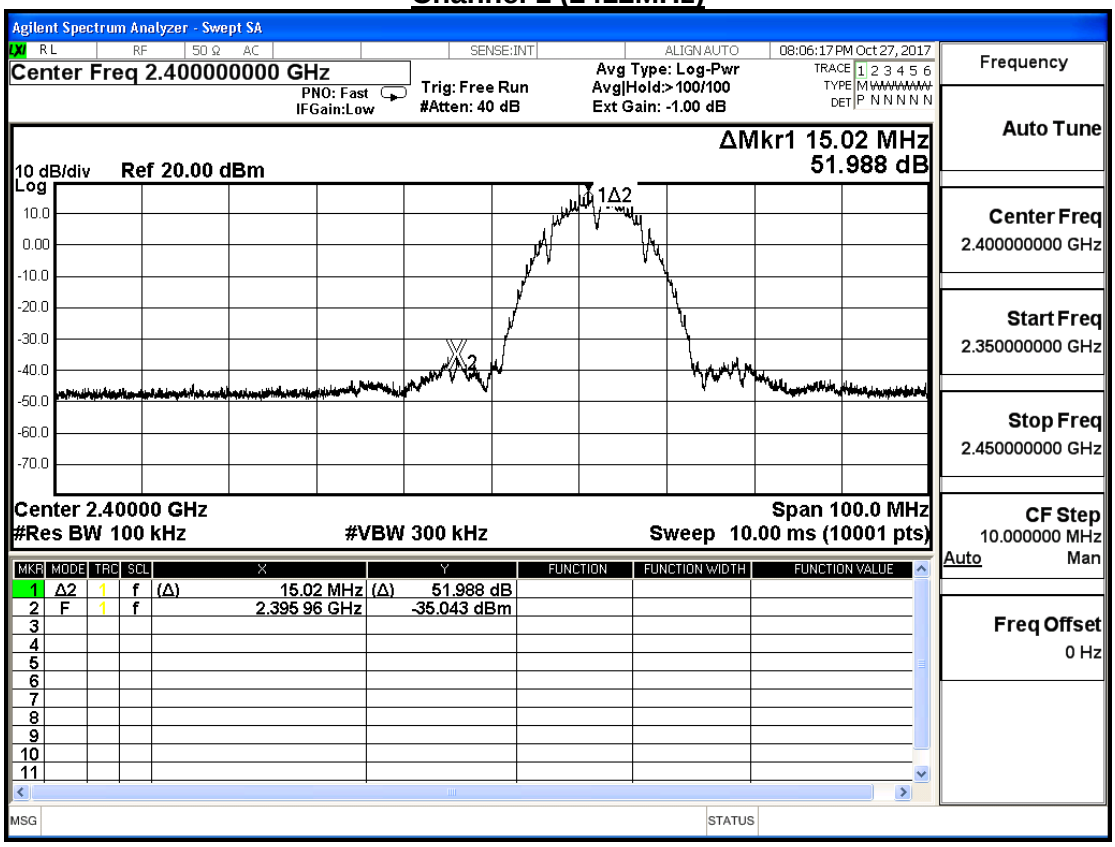
Conducted is defined as ± 1.27dB

5.7. Test Result

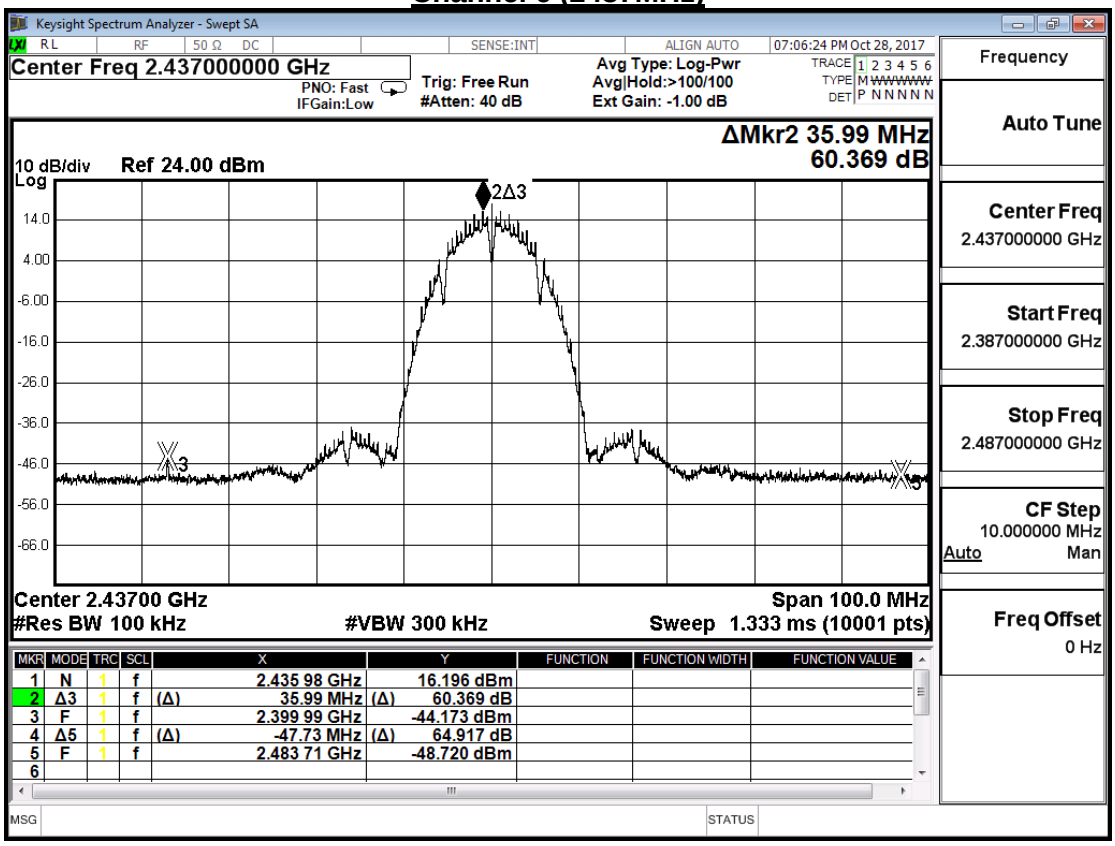
Product	Verizon Mesh Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_CDD Mode		
Date of Test	2017/10/27	Test Site	SR10-H

IEEE 802.11b (ANT 0)			
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)
1	2412	51.988	≧30
6	2437	60.369	≧30
11	2462	62.881	≧30

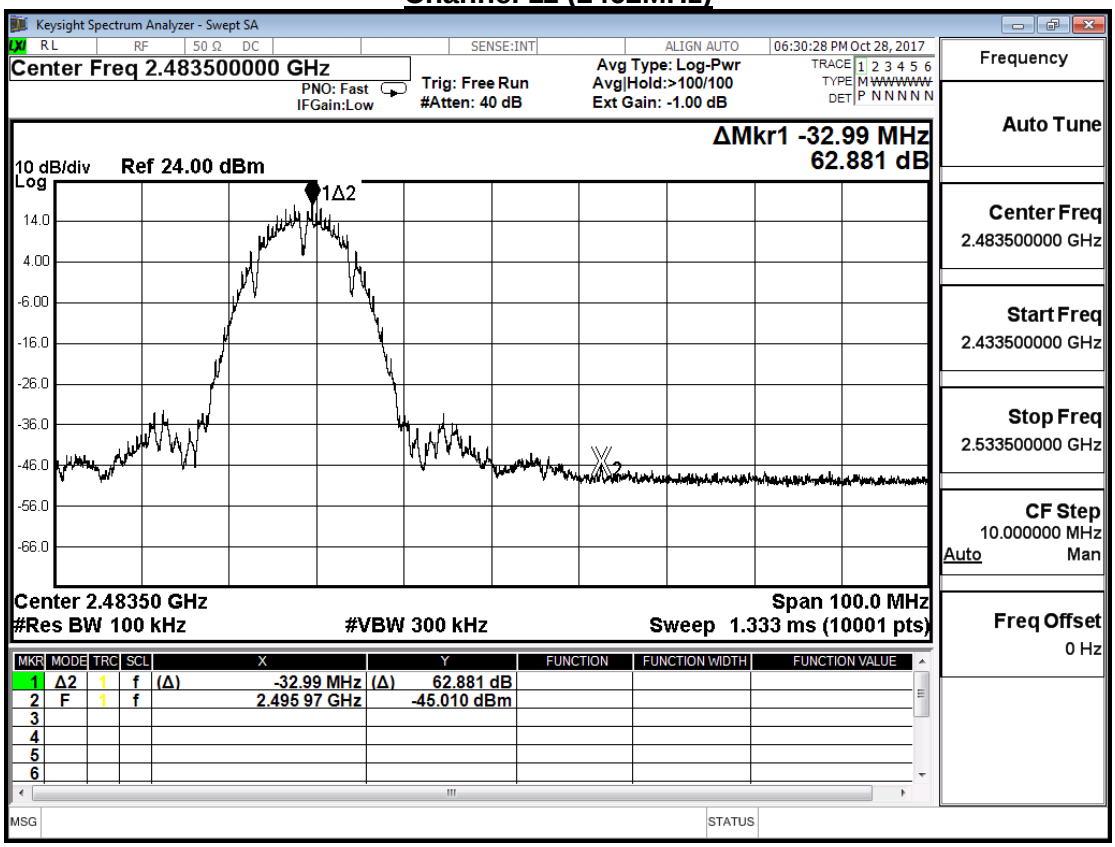
Channel 1 (2412MHz)



Channel 6 (2437MHz)



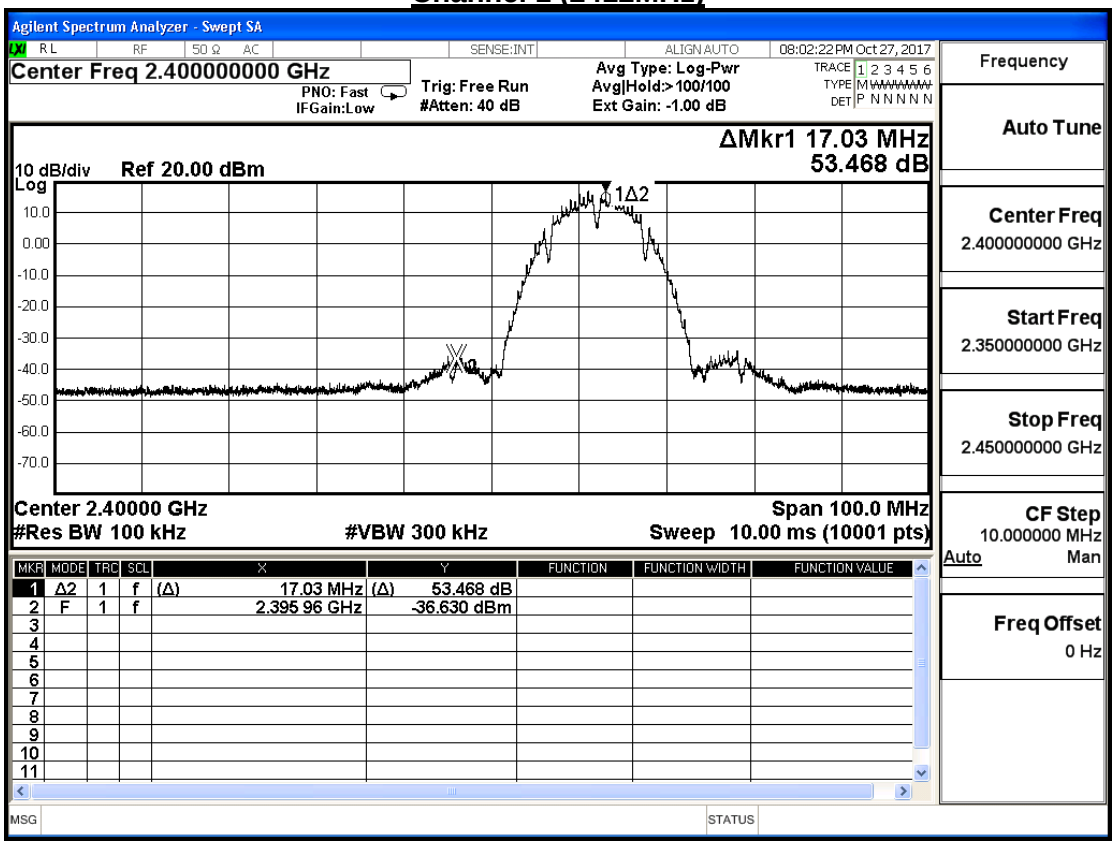
Channel 11 (2462MHz)



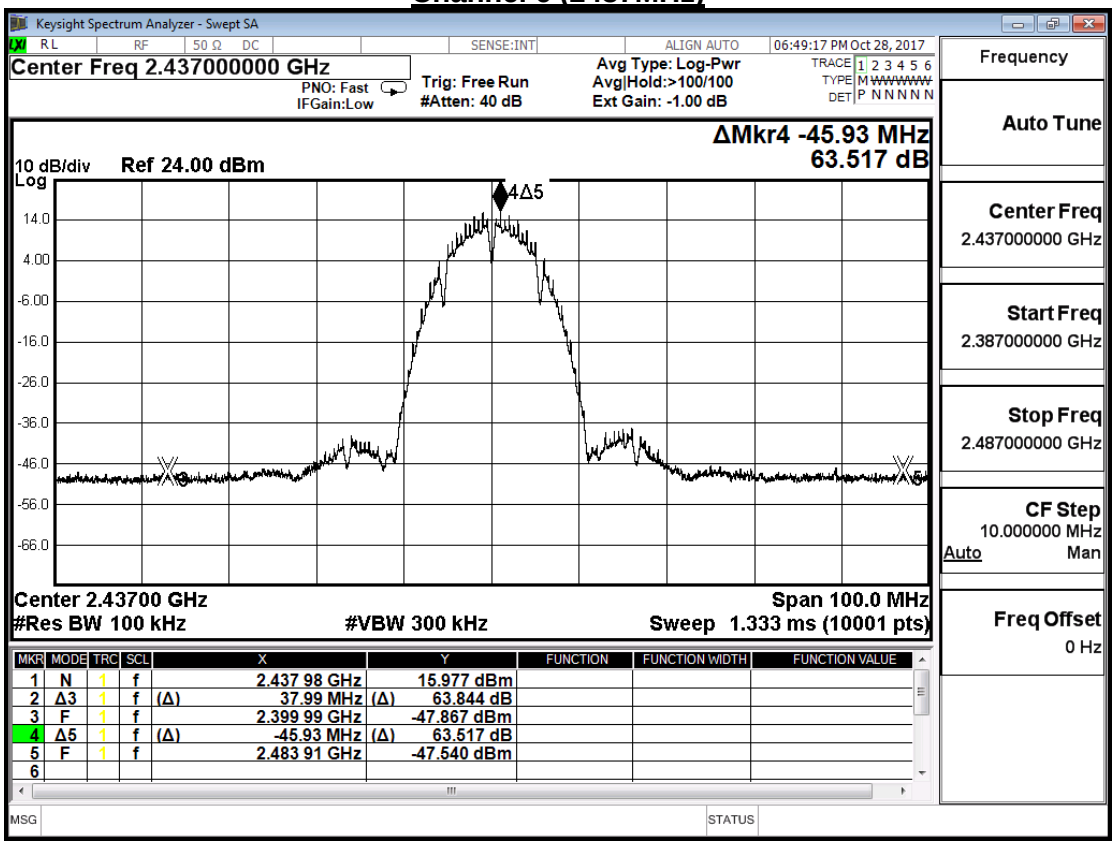
Product	Verizon Mesh Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_CDD Mode		
Date of Test	2017/10/27	Test Site	SR10-H

IEEE 802.11b (ANT 1)			
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)
1	2412	53.468	≧30
6	2437	63.517	≧30
11	2462	62.515	≧30

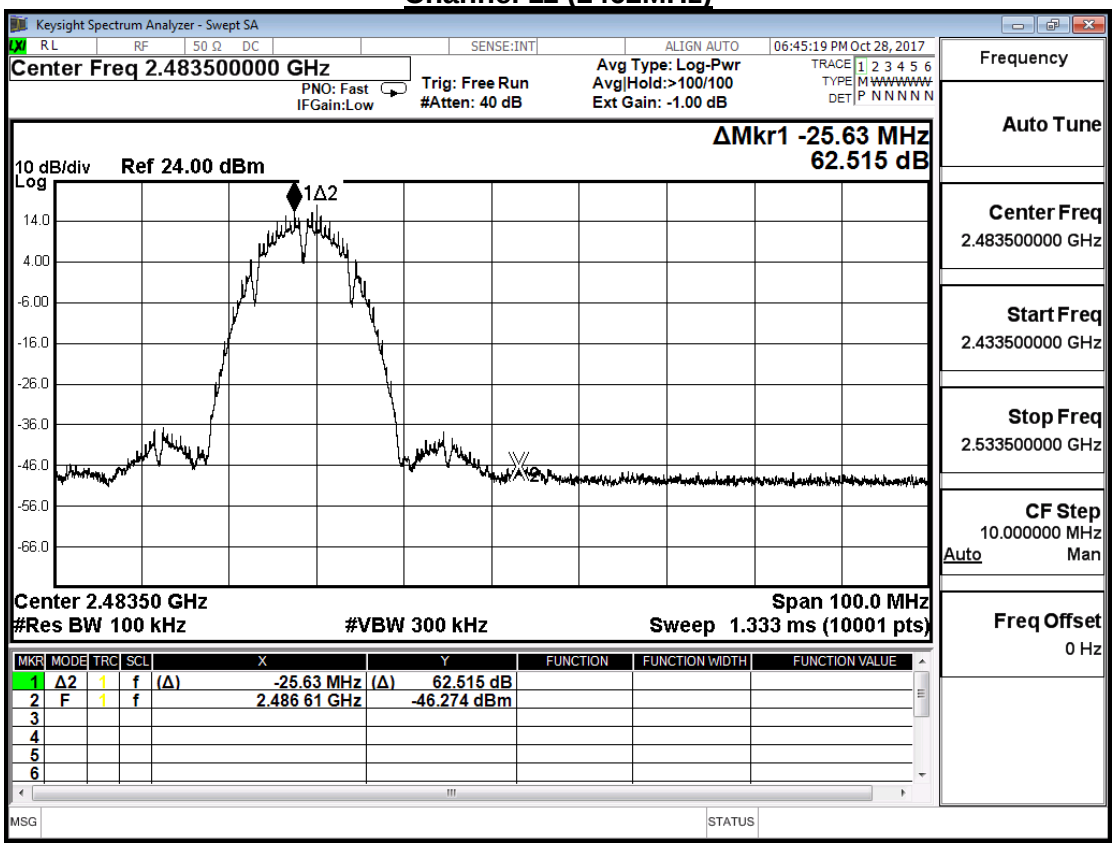
Channel 1 (2412MHz)



Channel 6 (2437MHz)



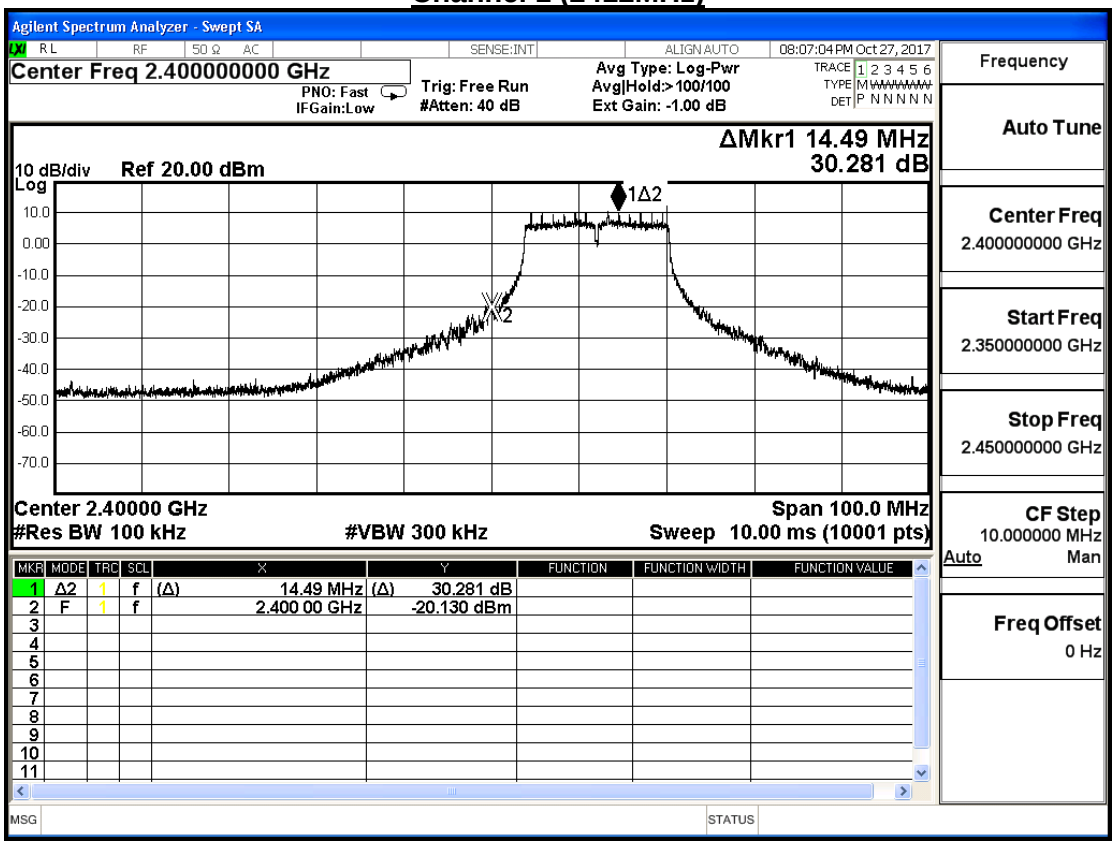
Channel 11 (2462MHz)



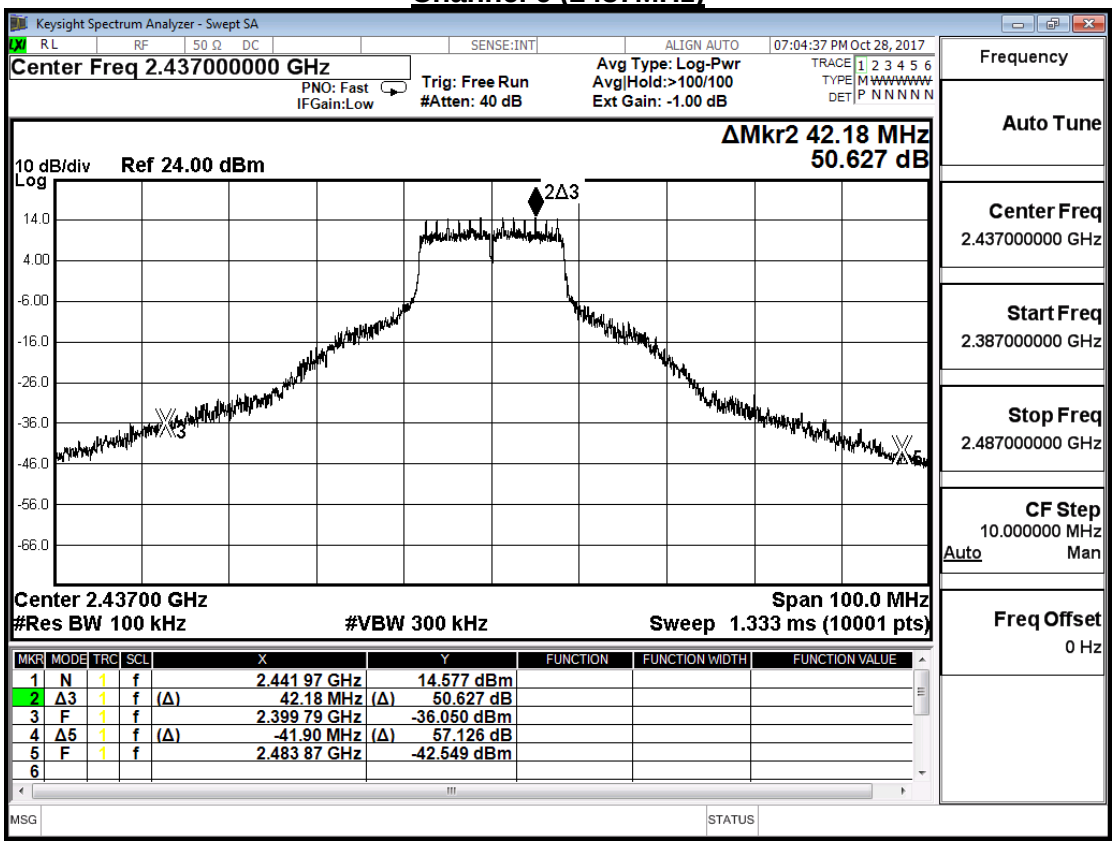
Product	Verizon Mesh Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_CDD Mode		
Date of Test	2017/10/27	Test Site	SR10-H

IEEE 802.11g (ANT 0)			
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)
1	2412	30.281	≧30
6	2437	50.627	≧30
11	2462	48.980	≧30

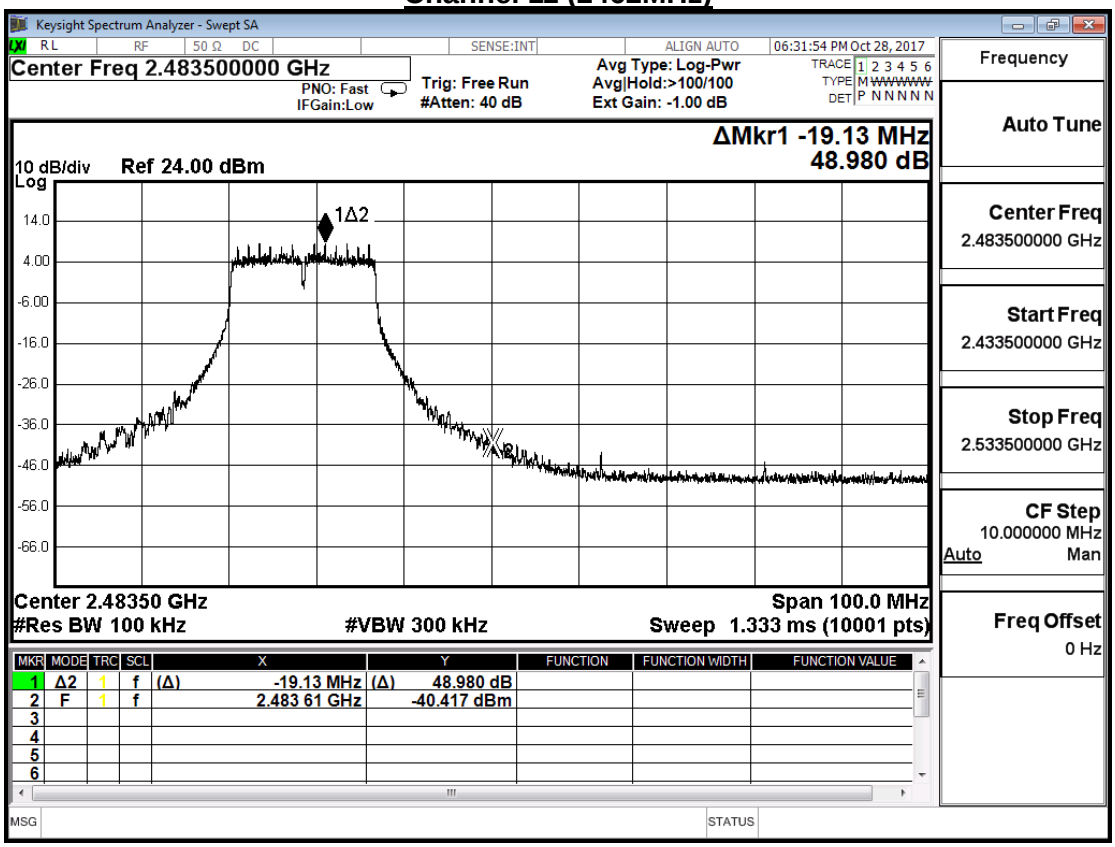
Channel 1 (2412MHz)



Channel 6 (2437MHz)



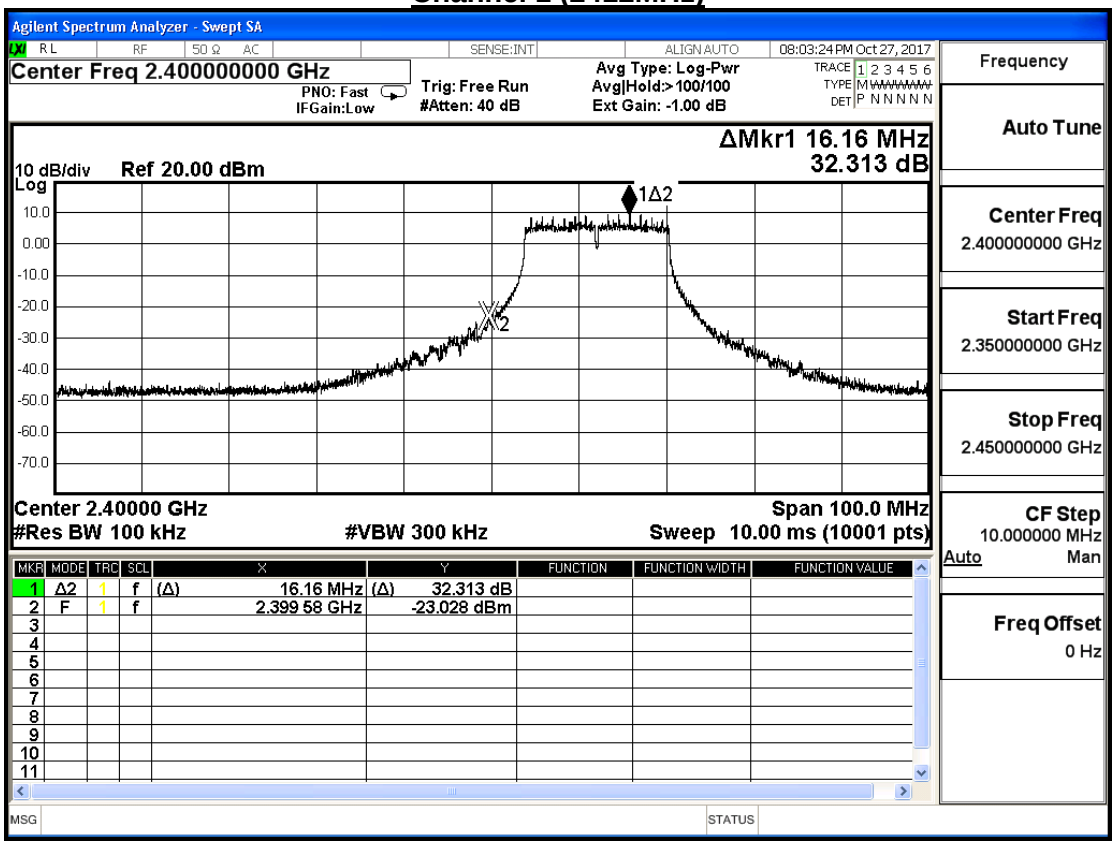
Channel 11 (2462MHz)



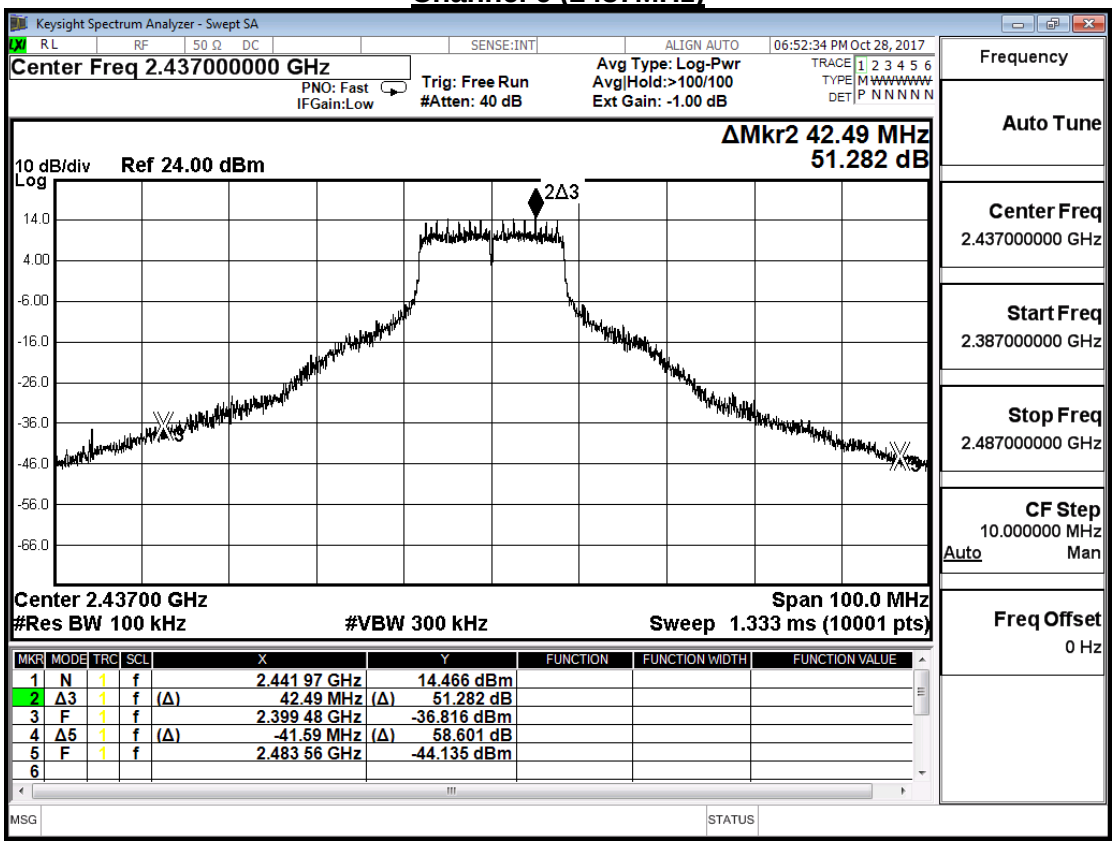
Product	Verizon Mesh Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_CDD Mode		
Date of Test	2017/10/27	Test Site	SR10-H

IEEE 802.11g (ANT 1)			
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)
1	2412	32.313	≧30
6	2437	51.282	≧30
11	2462	48.724	≧30

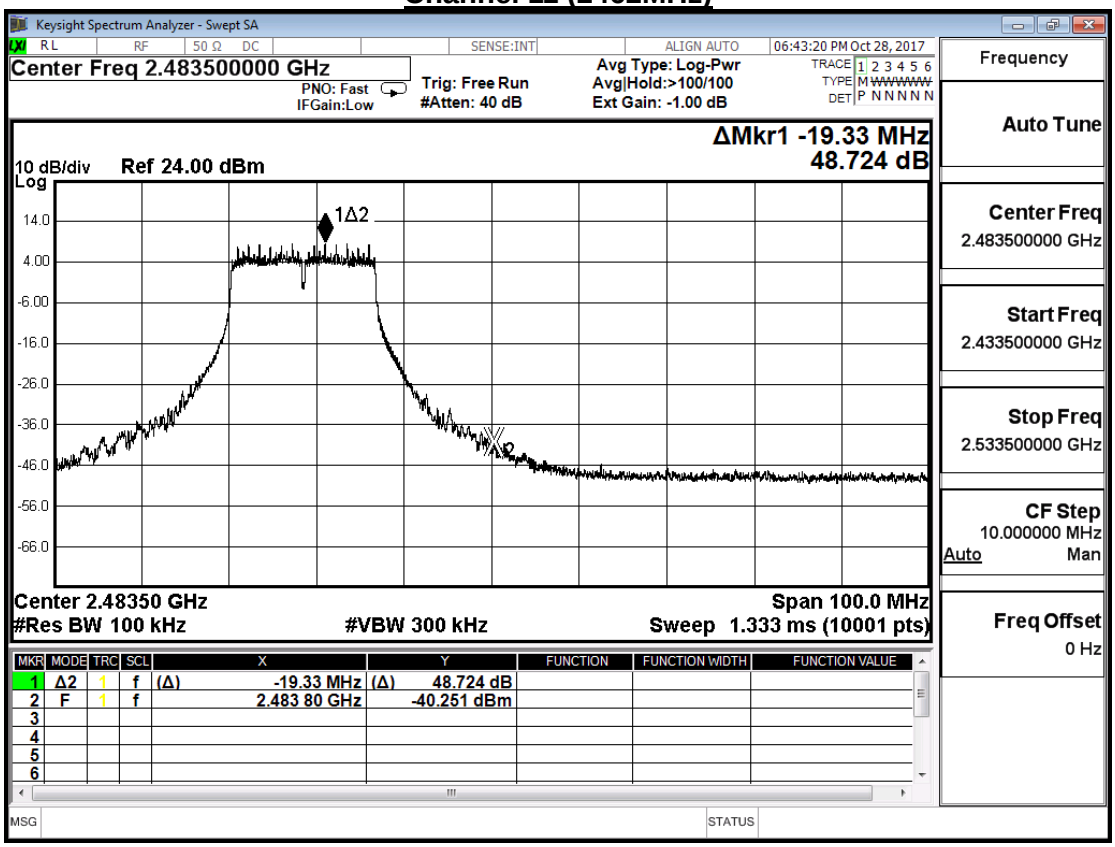
Channel 1 (2412MHz)



Channel 6 (2437MHz)



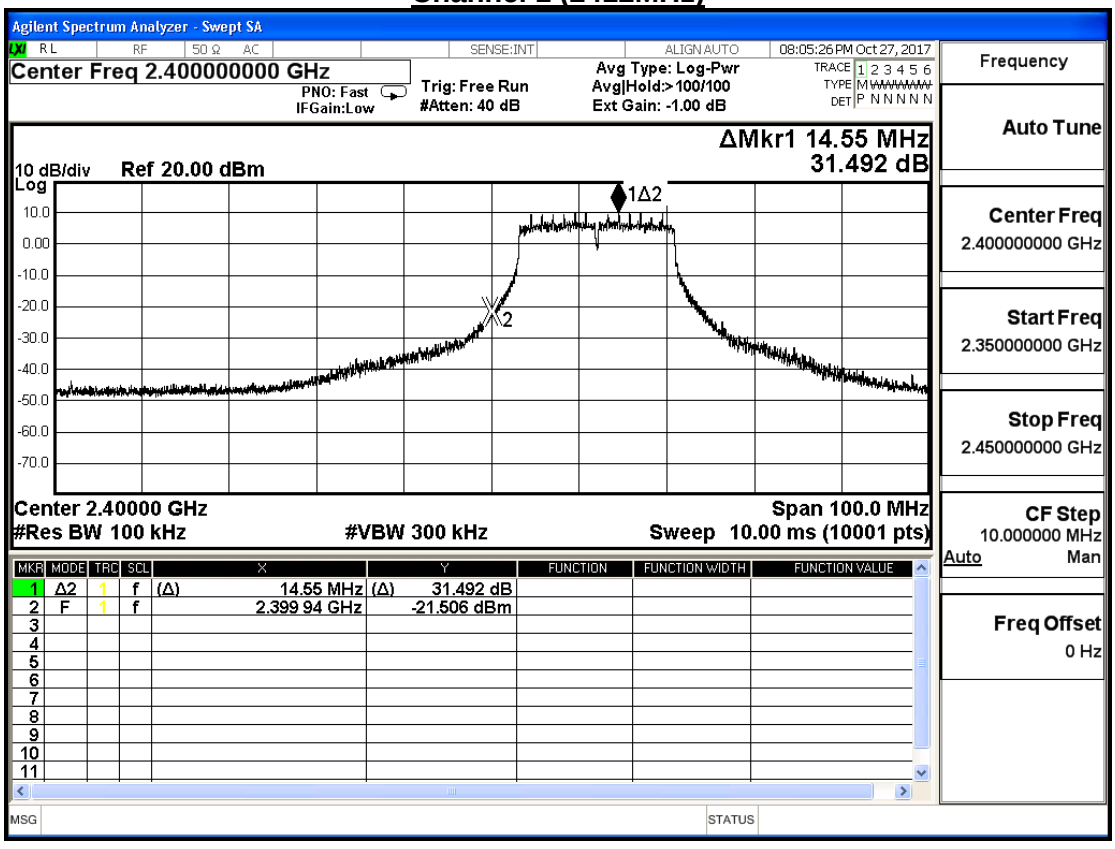
Channel 11 (2462MHz)



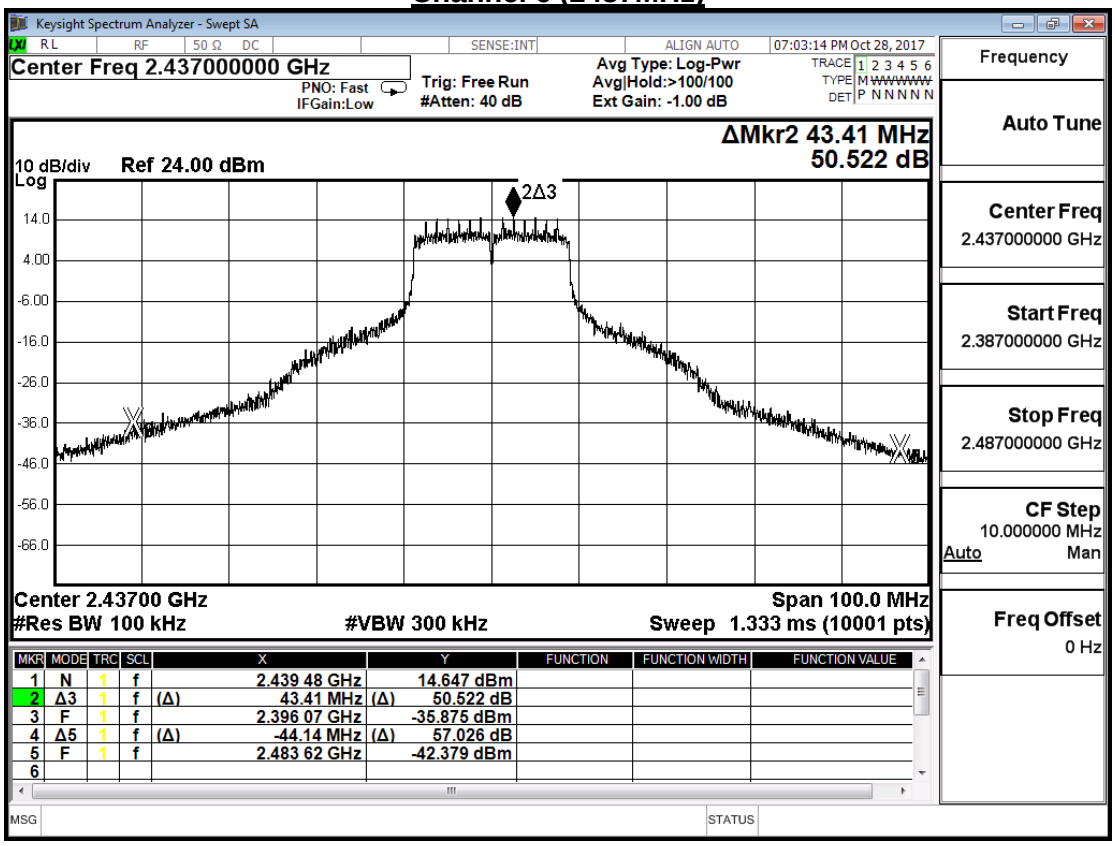
Product	Verizon Mesh Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 2: Transmit_MIMO Mode		
Date of Test	2017/10/27	Test Site	SR10-H

IEEE 802.11n(20MHz) (ANT 0)			
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)
1	2412	31.492	≧30
6	2437	50.522	≧30
11	2462	48.057	≧30

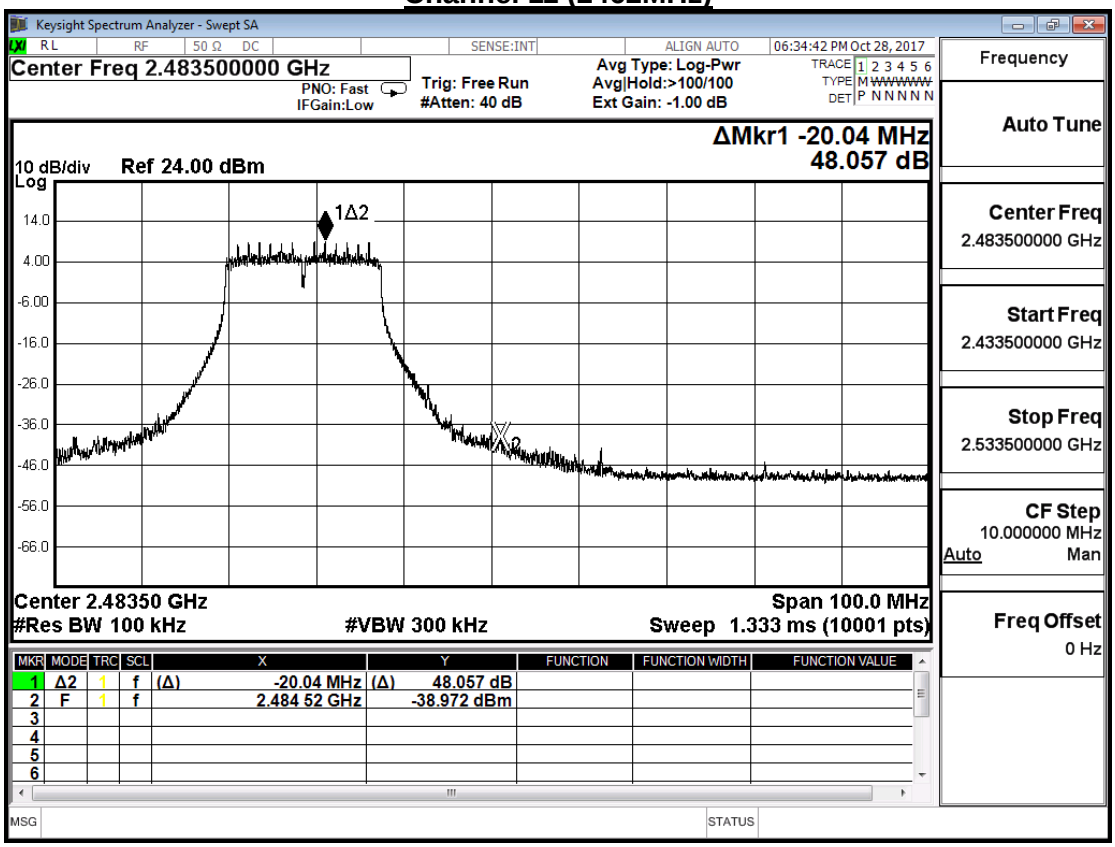
Channel 1 (2412MHz)



Channel 6 (2437MHz)



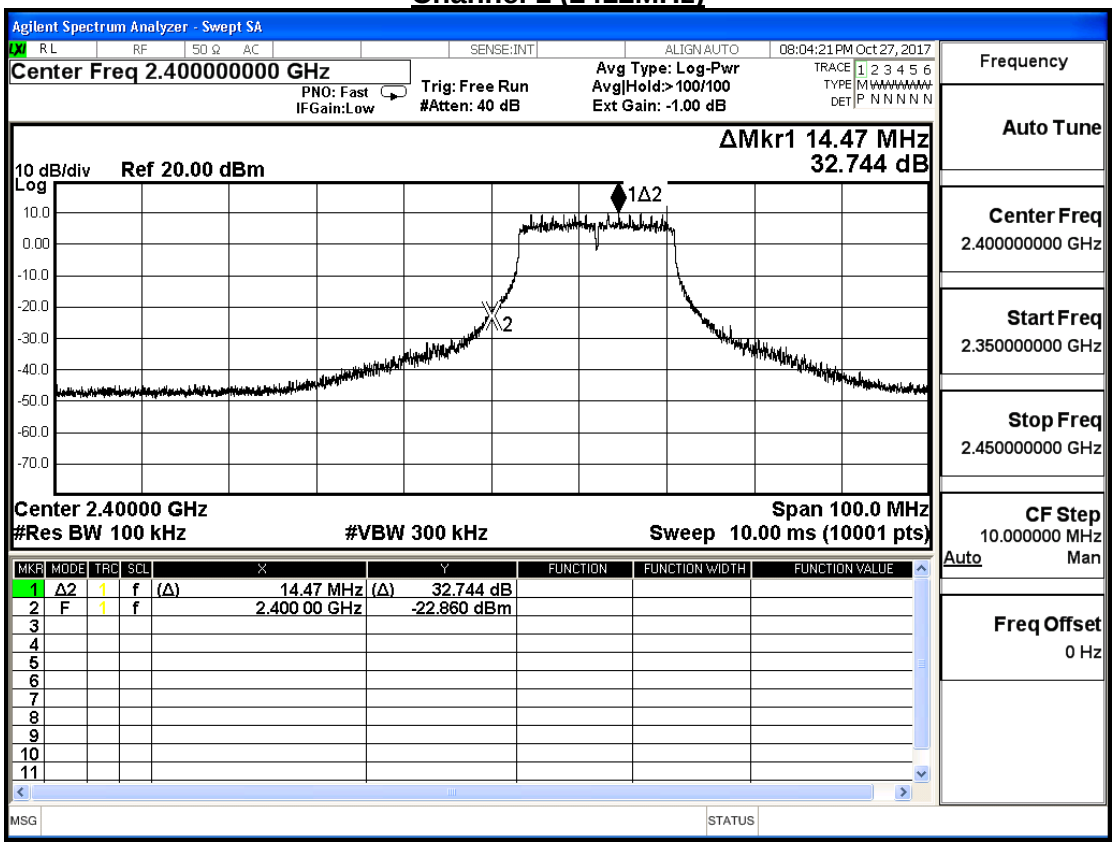
Channel 11 (2462MHz)



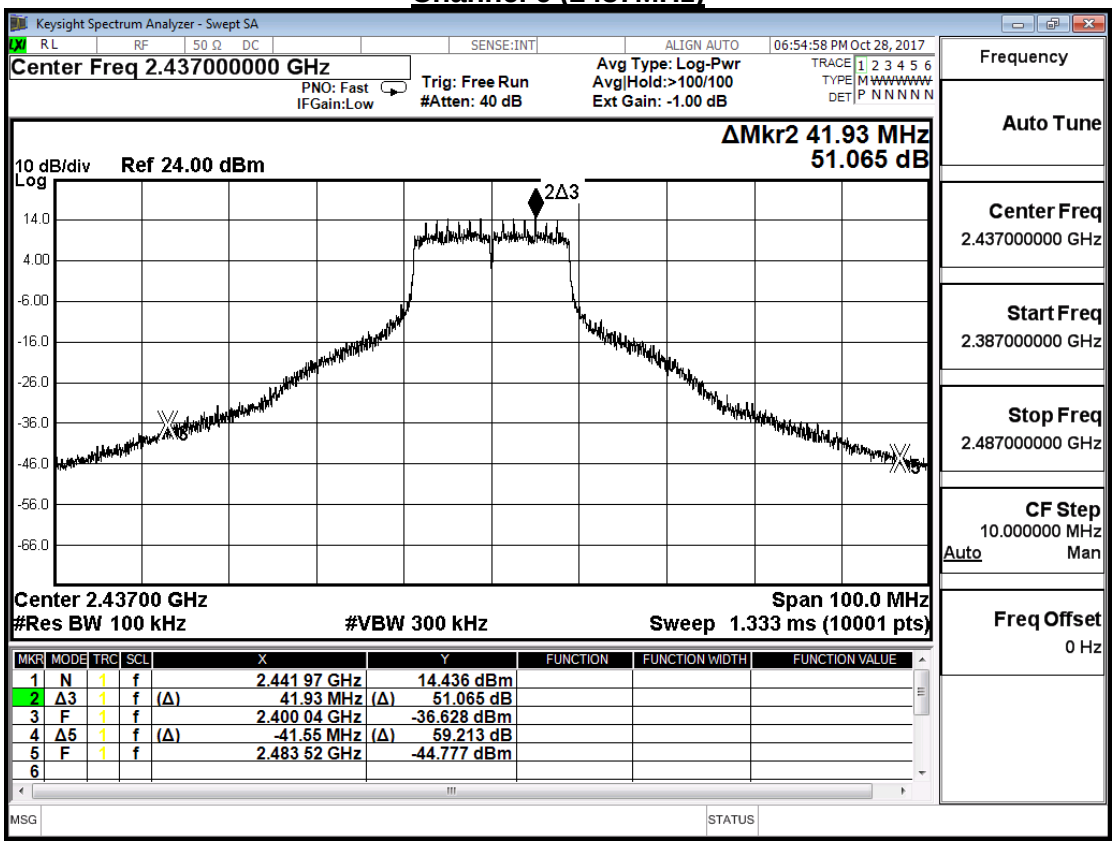
Product	Verizon Mesh Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 2: Transmit_MIMO Mode		
Date of Test	2017/10/27	Test Site	SR10-H

IEEE 802.11n(20MHz) (ANT 1)			
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)
1	2412	32.744	≧30
6	2437	51.065	≧30
11	2462	48.058	≧30

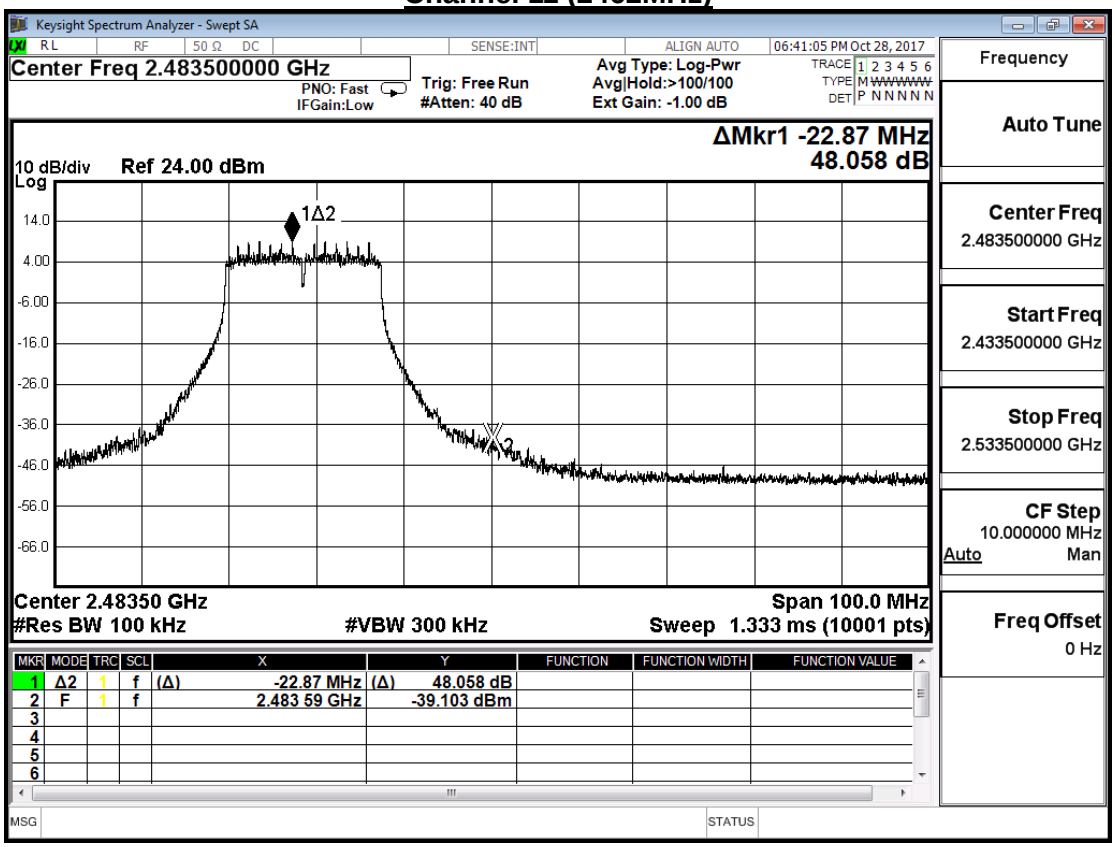
Channel 1 (2412MHz)



Channel 6 (2437MHz)



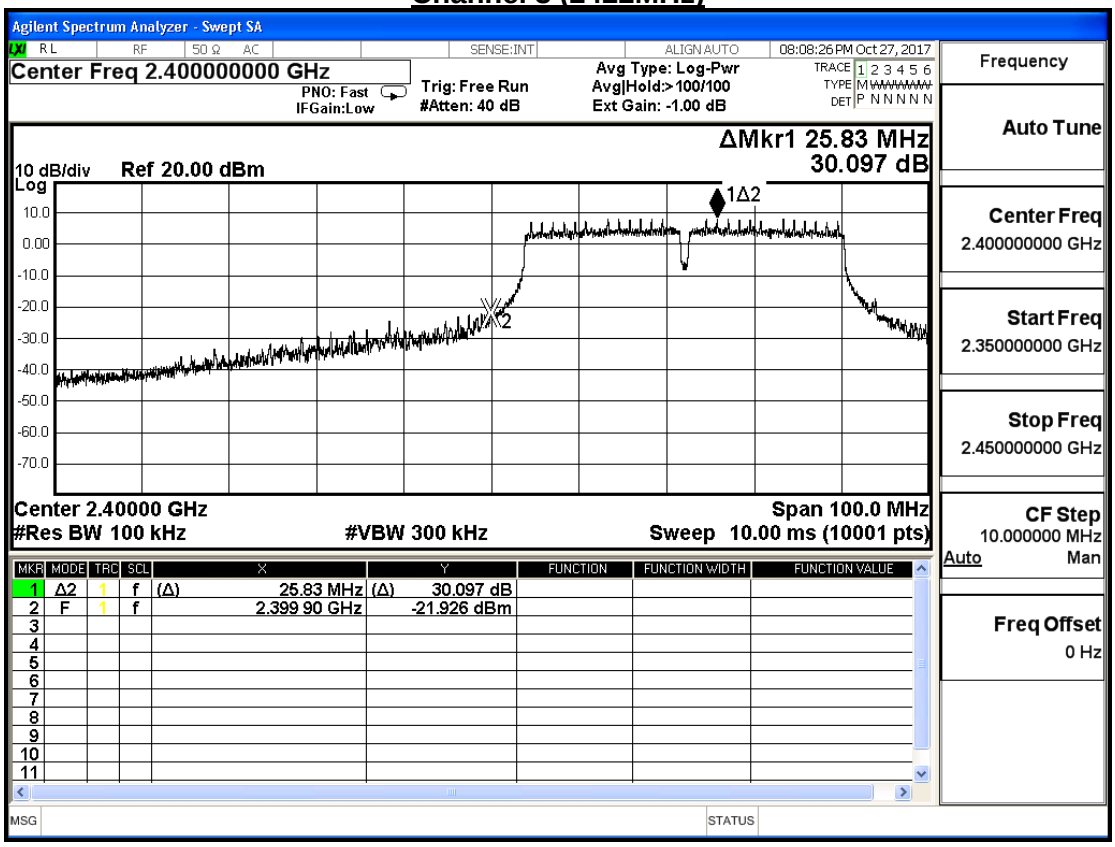
Channel 11 (2462MHz)



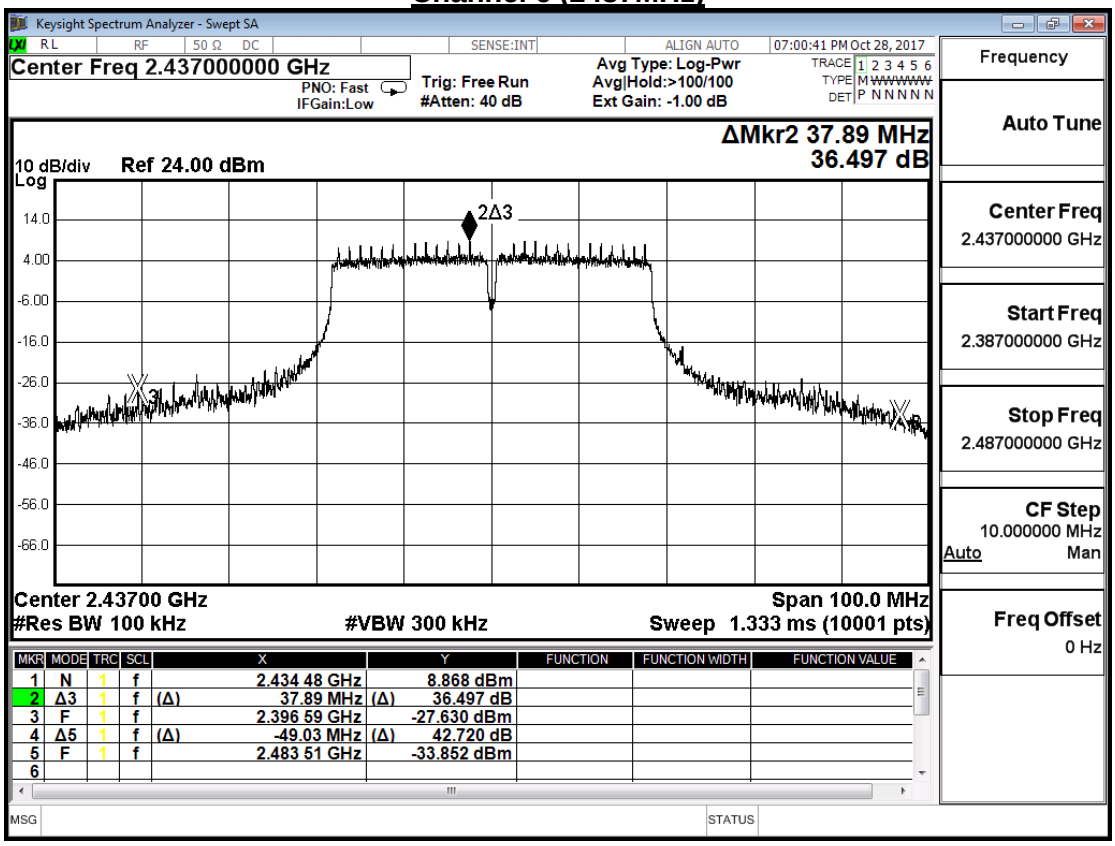
Product	Verizon Mesh Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 2: Transmit_MIMO Mode		
Date of Test	2017/10/27	Test Site	SR10-H

IEEE 802.11n(40MHz) (ANT 0)			
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)
3	2422	30.097	≧30
6	2437	36.497	≧30
9	2452	41.993	≧30

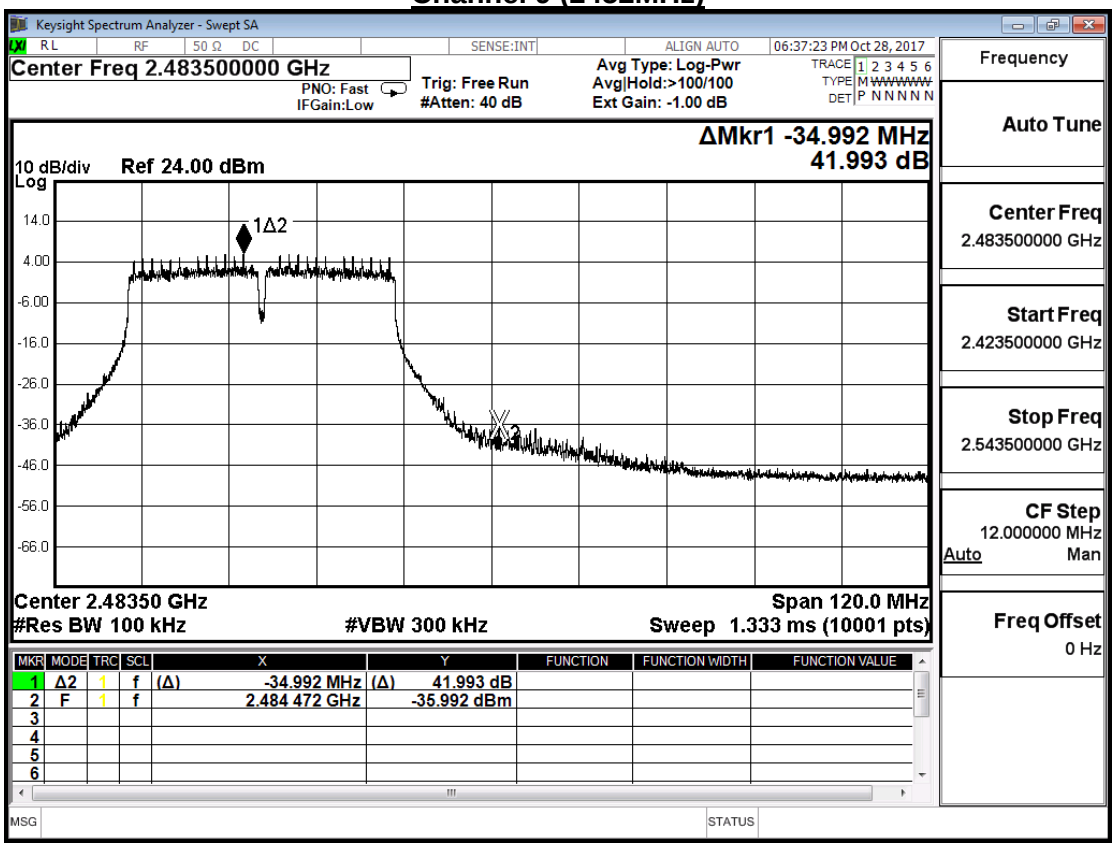
Channel 3 (2422MHz)



Channel 6 (2437MHz)



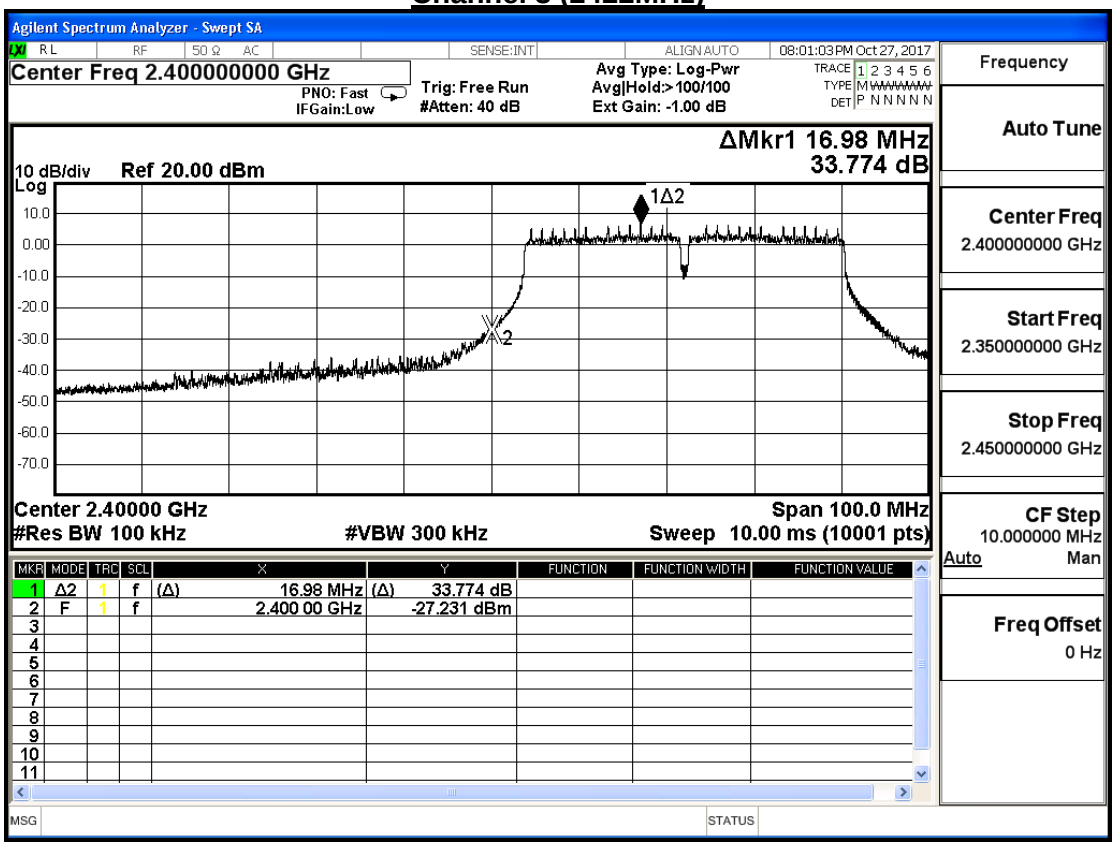
Channel 9 (2452MHz)



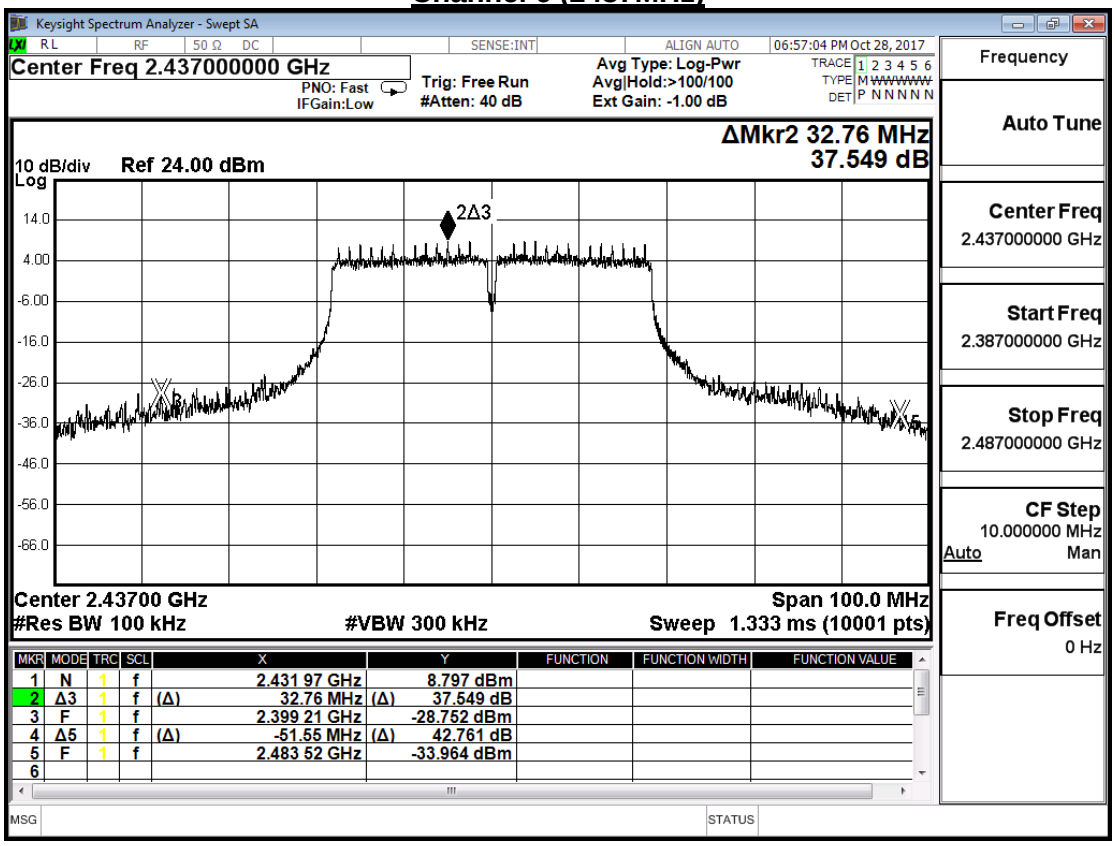
Product	Verizon Mesh Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 2: Transmit_MIMO Mode		
Date of Test	2017/10/27	Test Site	SR10-H

IEEE 802.11n(40MHz) (ANT 1)			
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)
3	2422	33.774	≧30
6	2437	37.549	≧30
9	2452	41.841	≧30

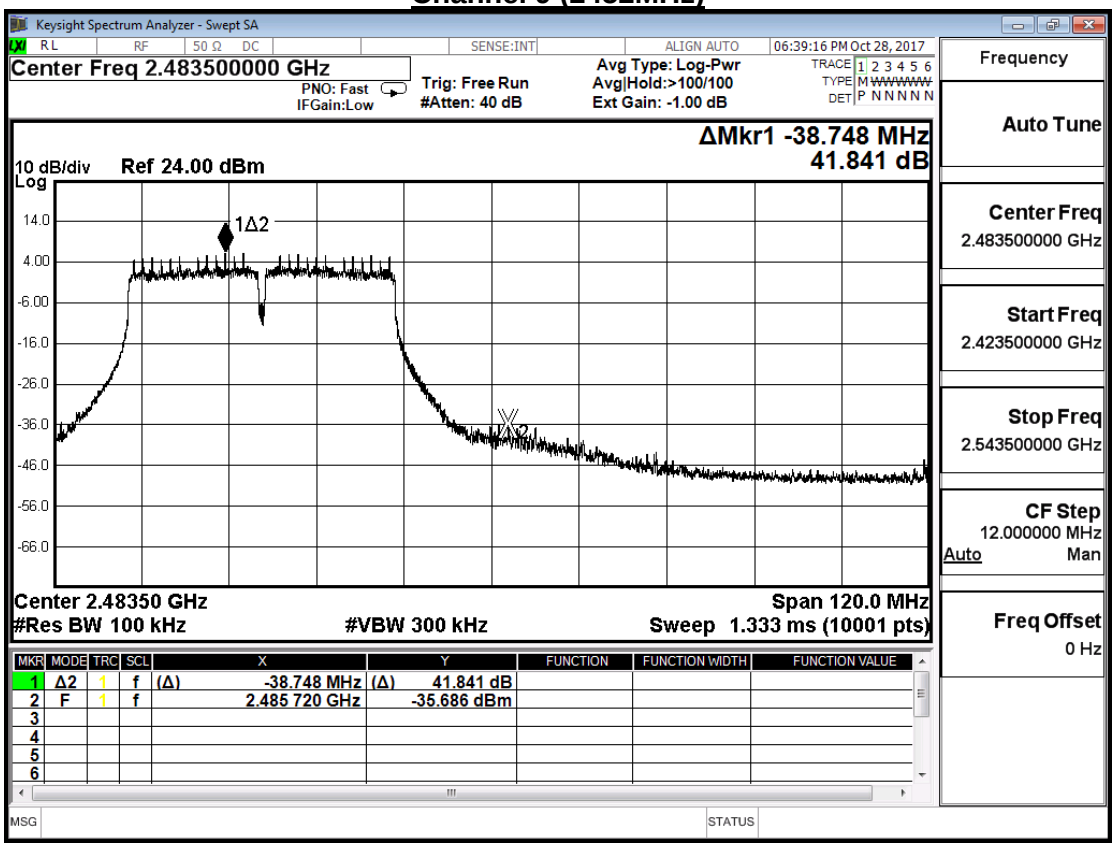
Channel 3 (2422MHz)



Channel 6 (2437MHz)

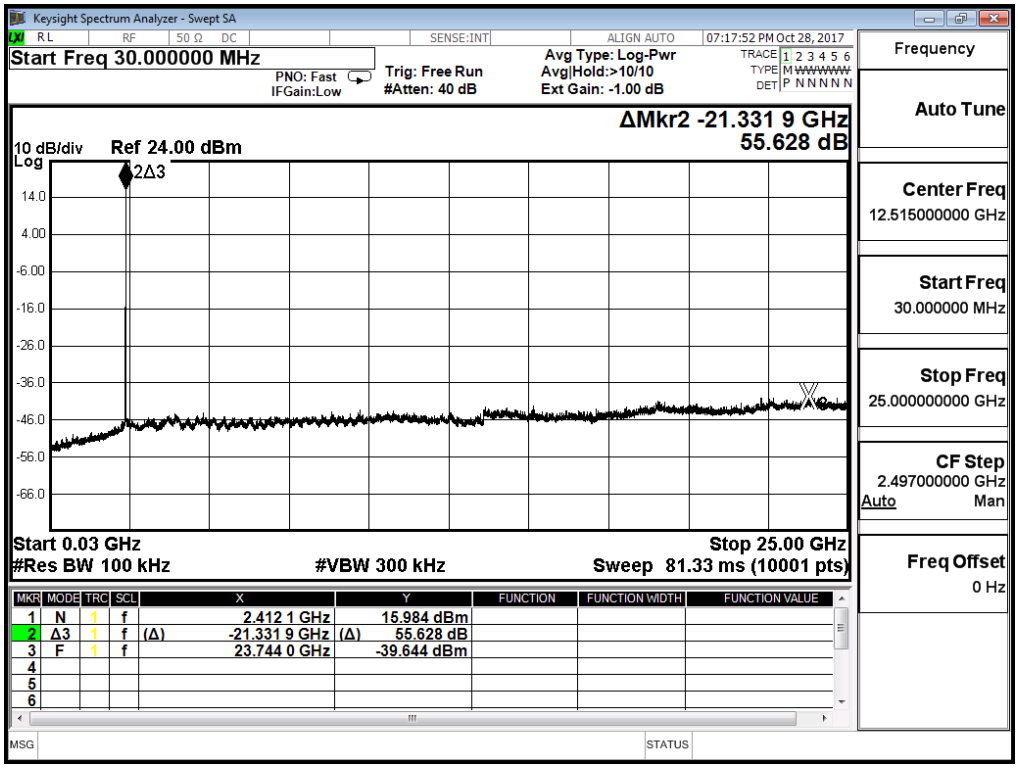


Channel 9 (2452MHz)

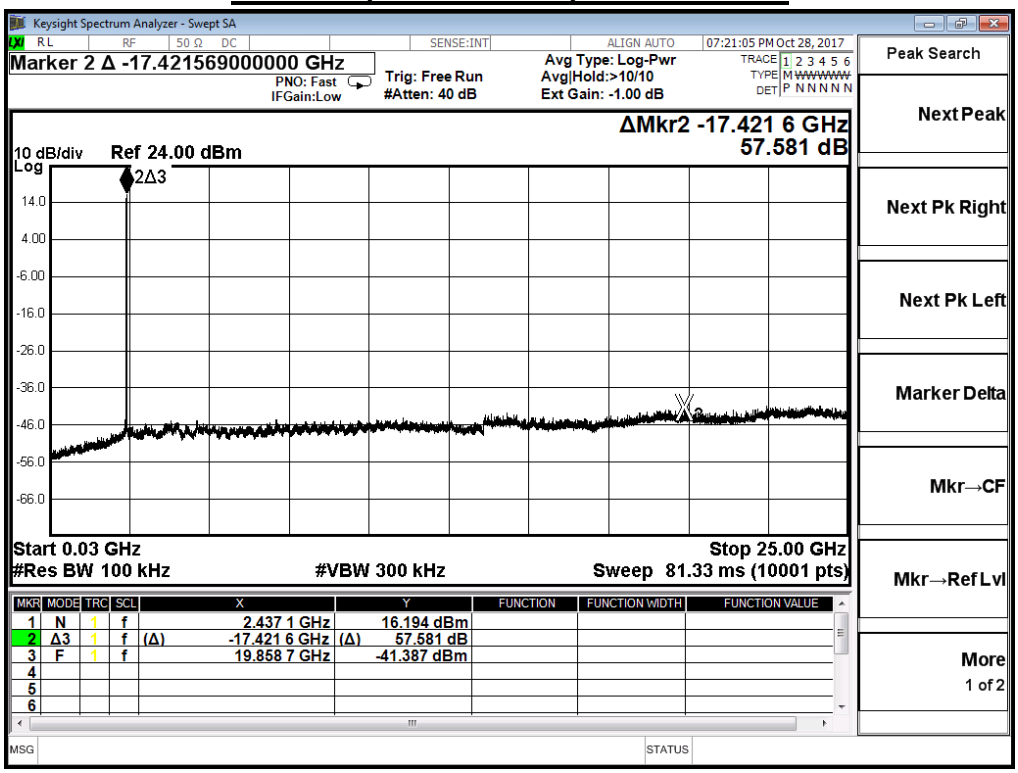


Product	Verizon Mesh Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_CDD Mode		
Date of Test	2017/10/28	Test Site	SR10-H

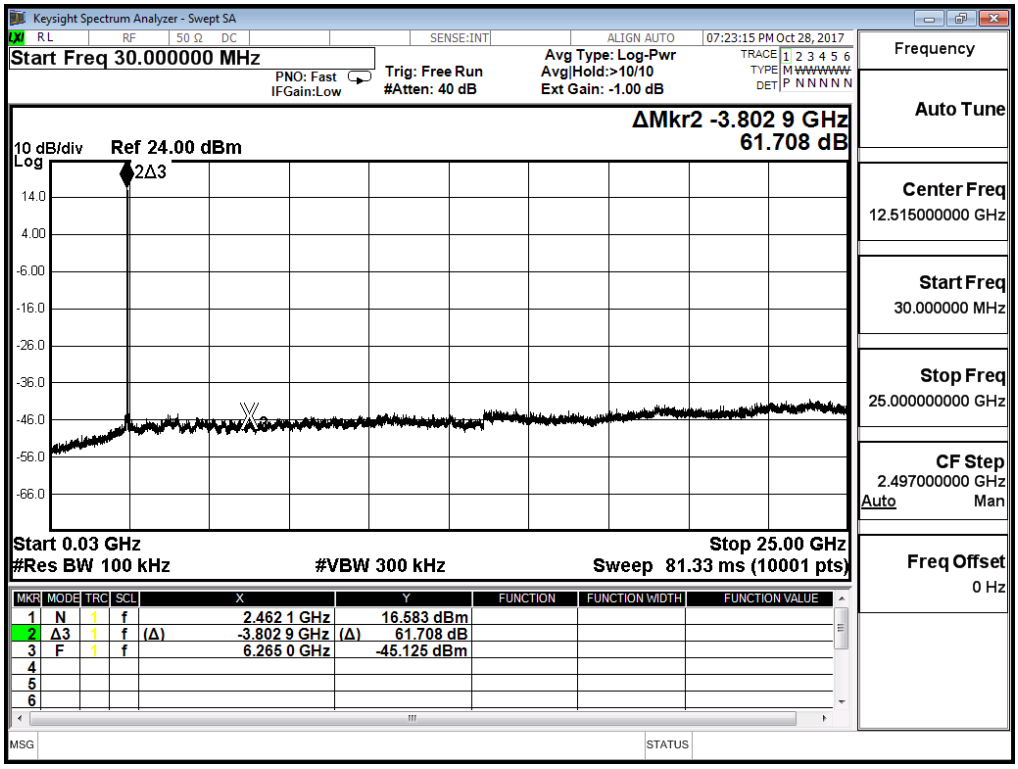
2412MHz (30MHz-25GHz)-802.11b-ANT 0



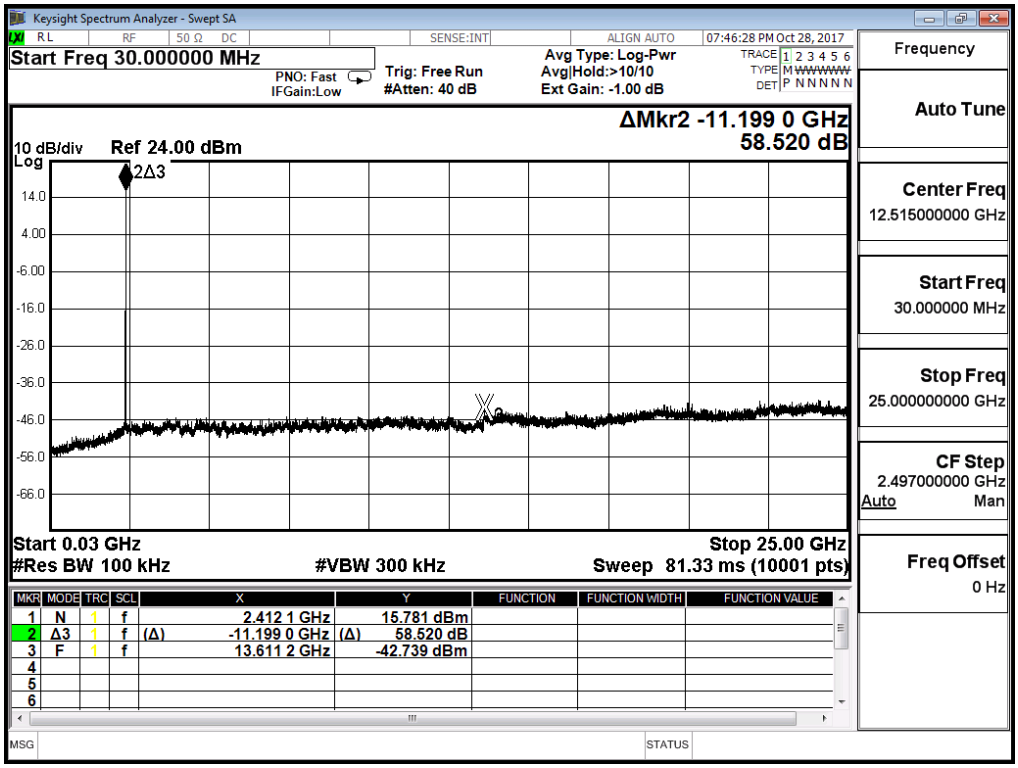
2437MHz (30MHz-25GHz)-802.11b-ANT 0



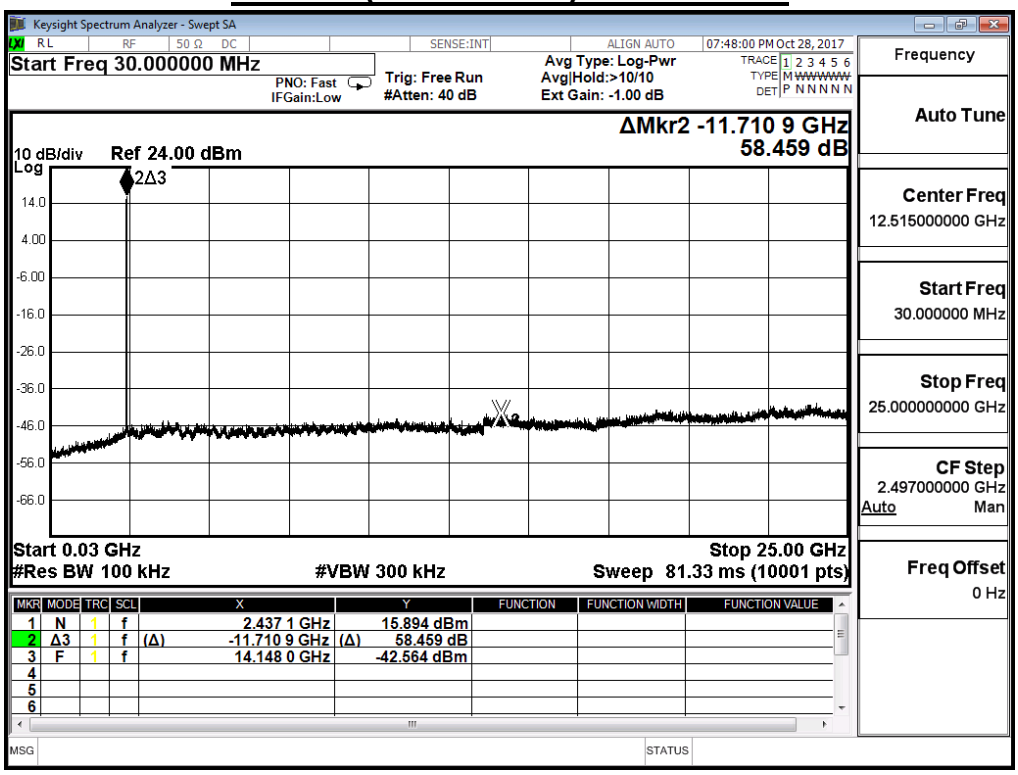
2462MHz (30MHz-25GHz)-802.11b-ANT 0



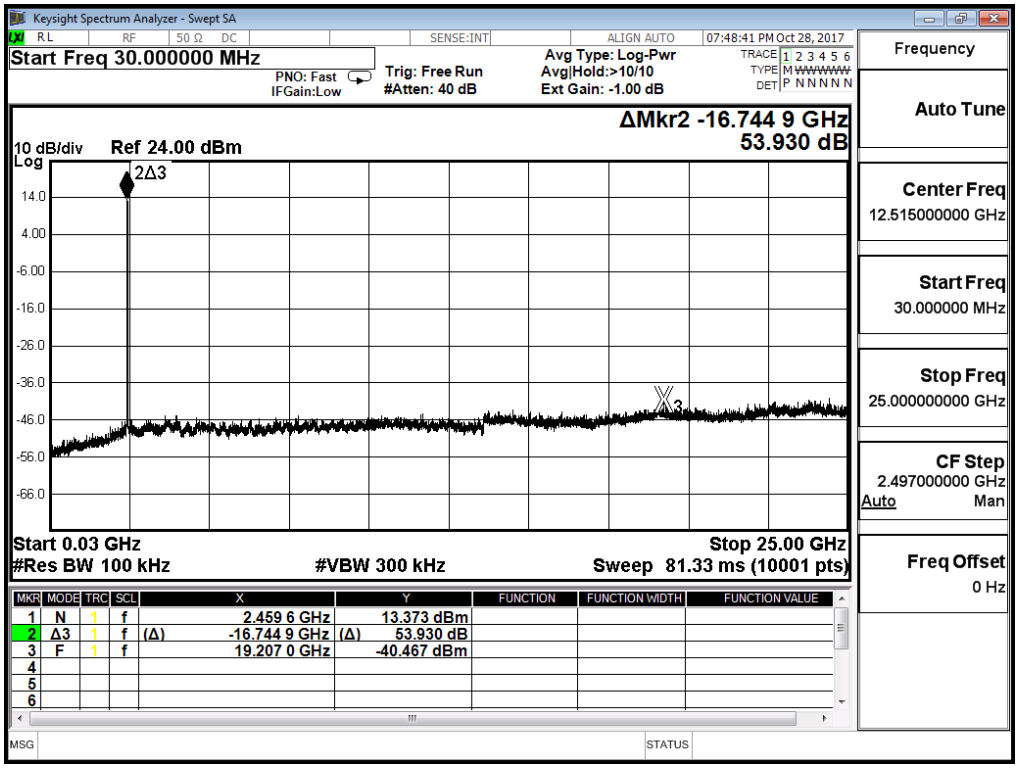
2412MHz (30MHz-25GHz)-802.11b-ANT 1



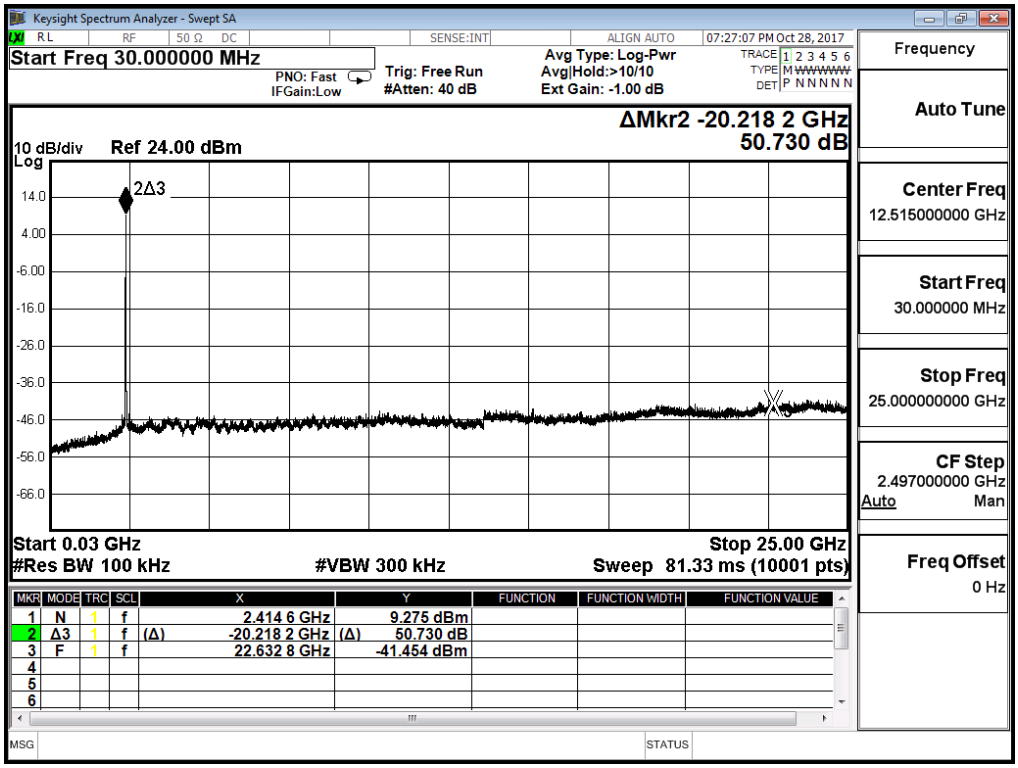
2437MHz (30MHz-25GHz)-802.11b-ANT 1



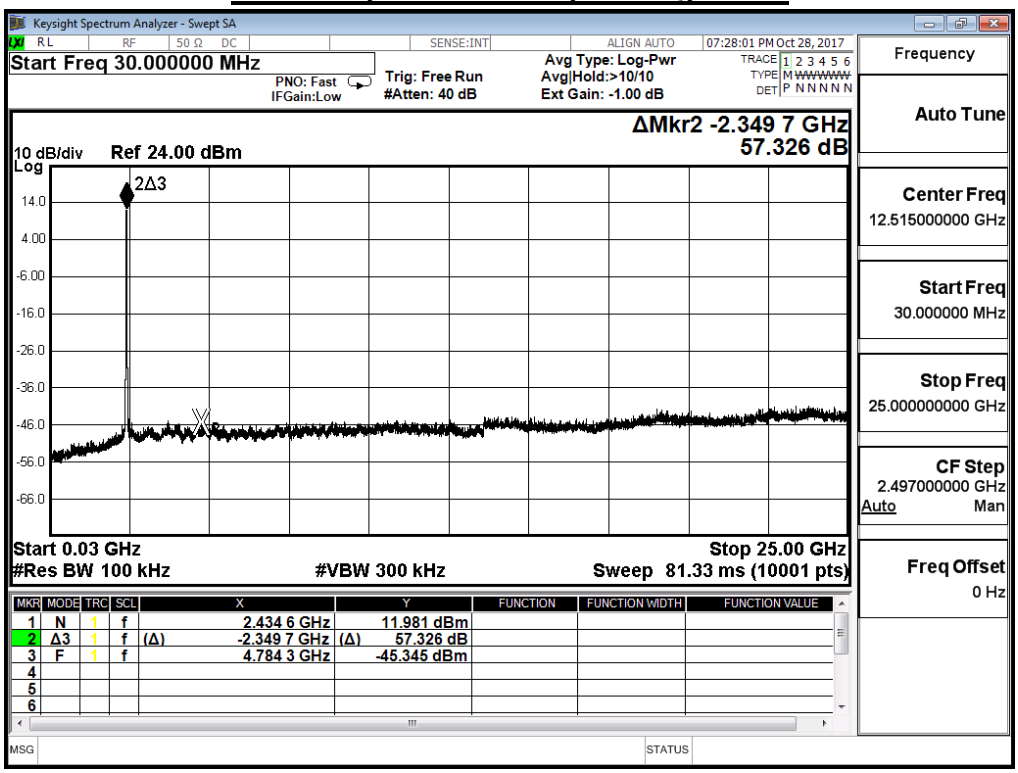
2462MHz (30MHz-25GHz)-802.11b-ANT 1



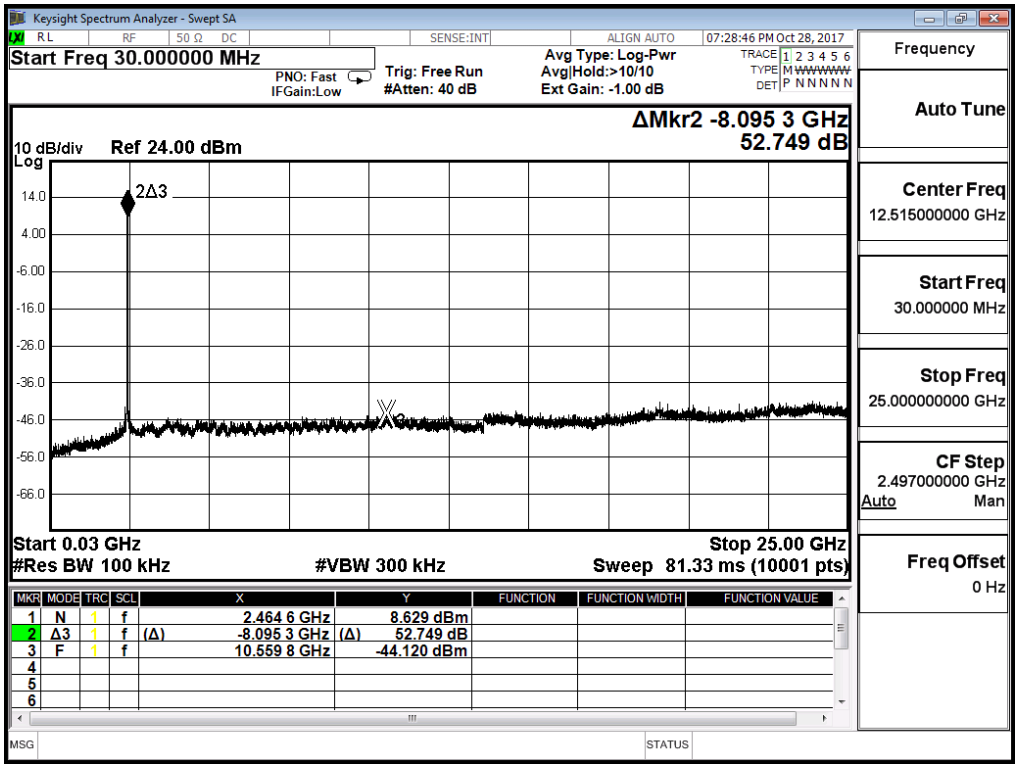
2412MHz (30MHz-25GHz)-802.11g-ANT 0



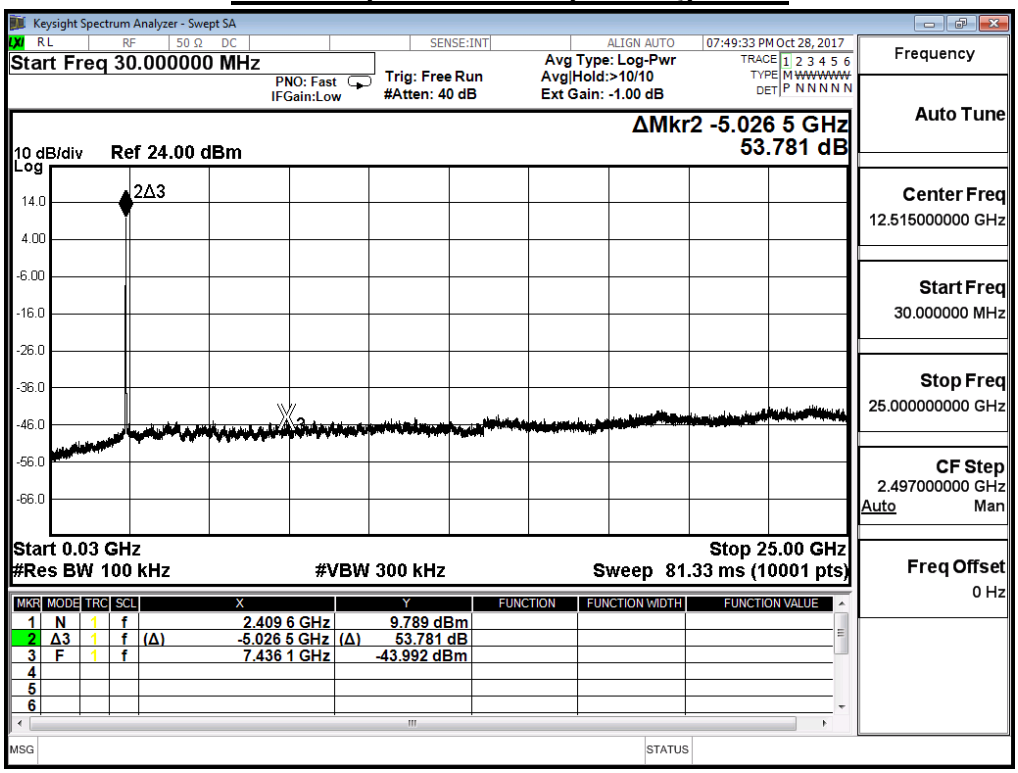
2437MHz (30MHz-25GHz)-802.11g-ANT 0



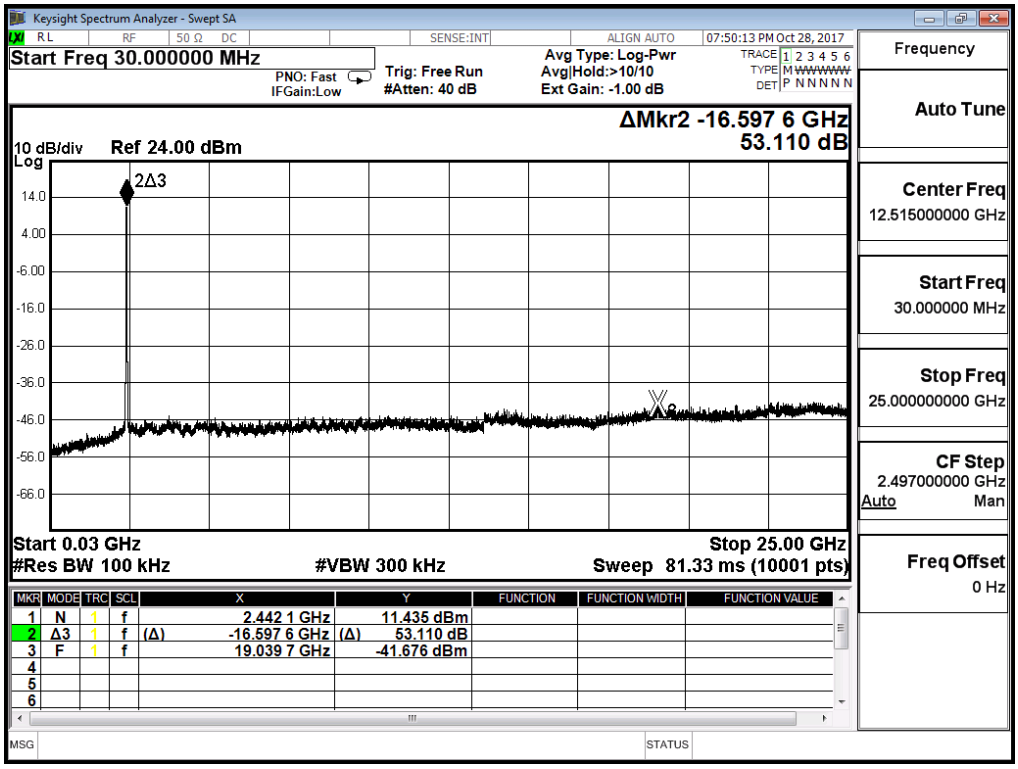
2462MHz (30MHz-25GHz)-802.11g-ANT 0



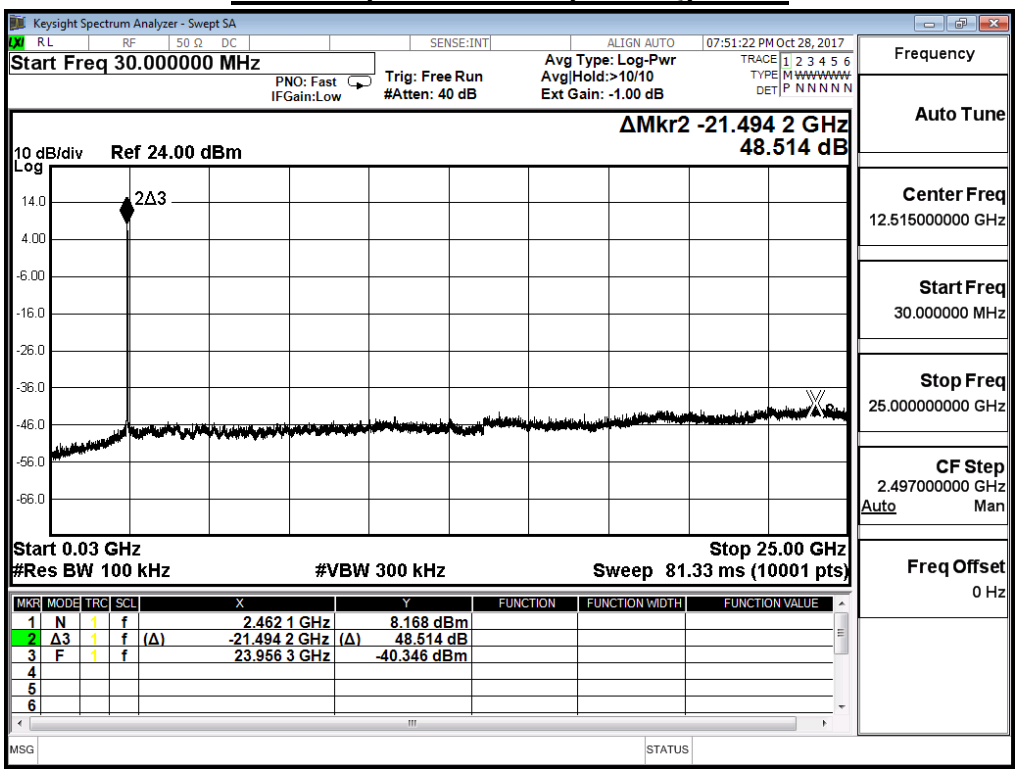
2412MHz (30MHz-25GHz)-802.11g-ANT 1



2437MHz (30MHz-25GHz)-802.11g-ANT 1

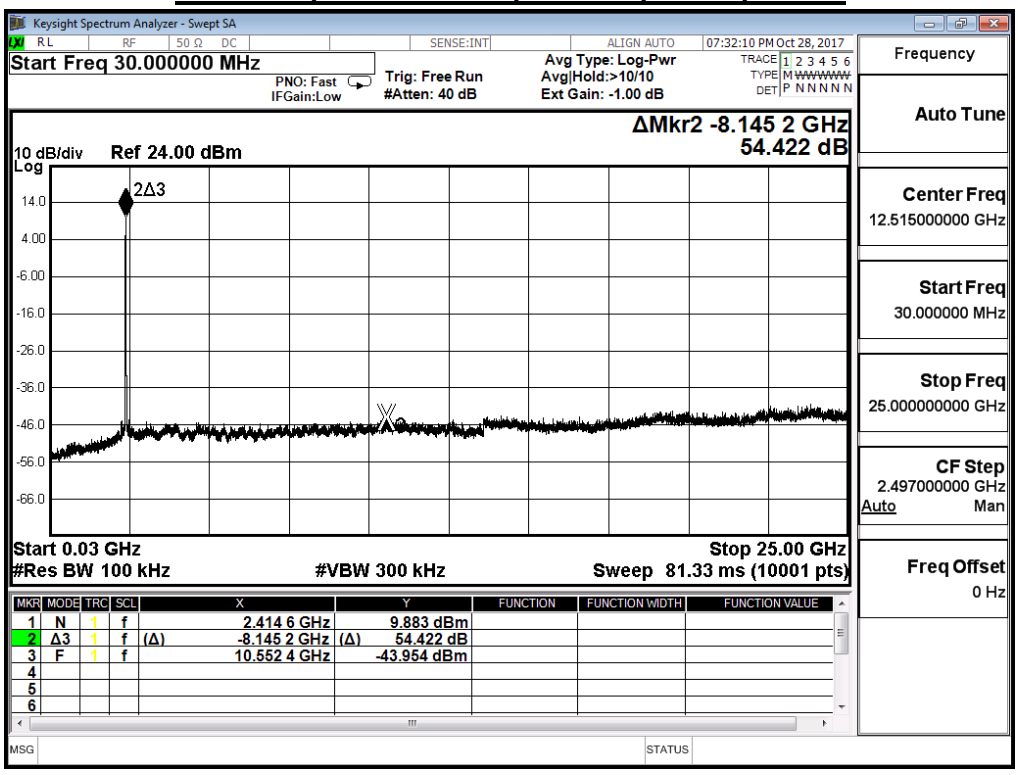


2462MHz (30MHz-25GHz)-802.11g-ANT 1

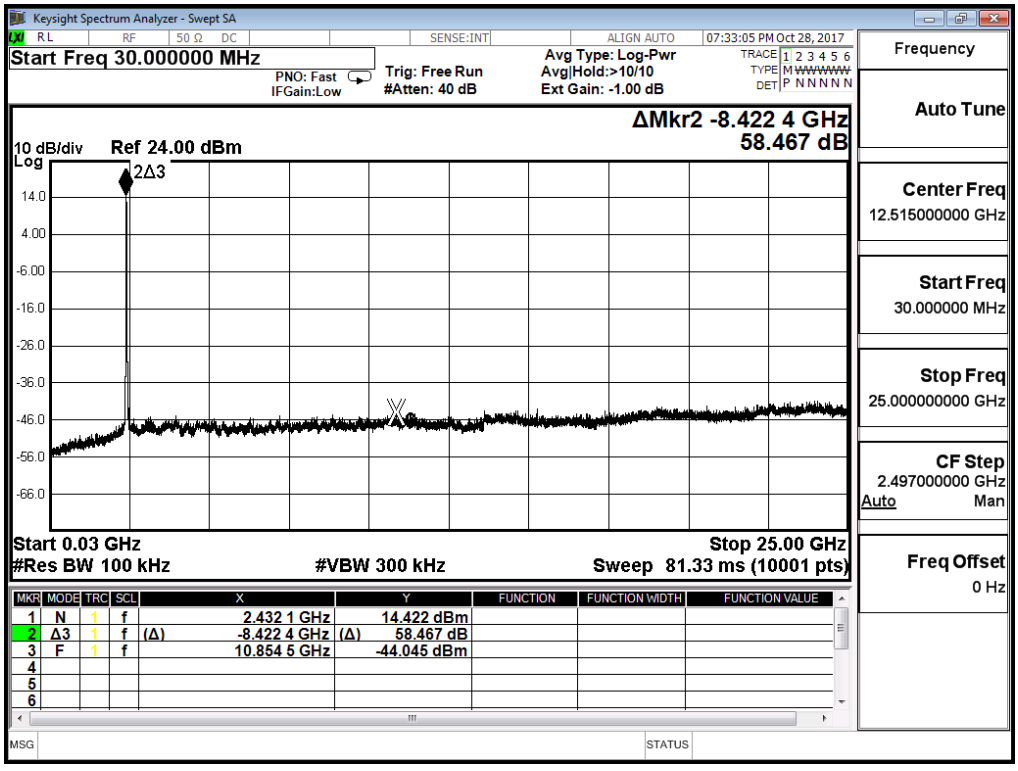


Product	Verizon Mesh Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 2: Transmit_MIMO Mode		
Date of Test	2017/10/28	Test Site	SR10-H

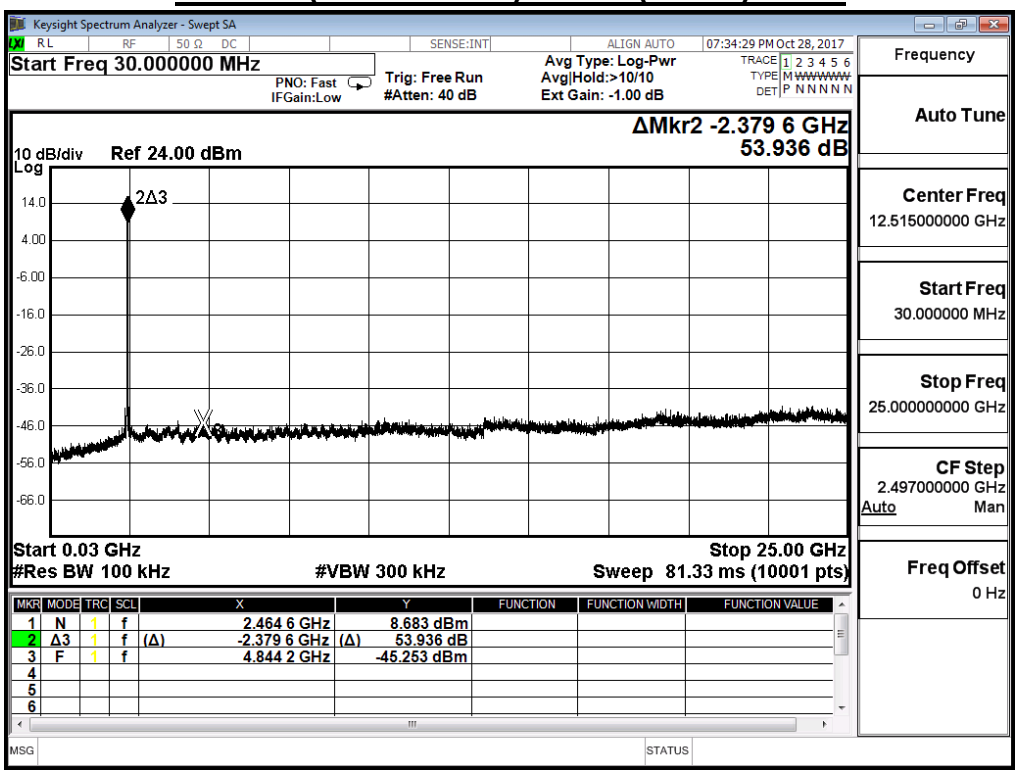
2412MHz (30MHz-25GHz)-802.11n(20MHz)-ANT 0



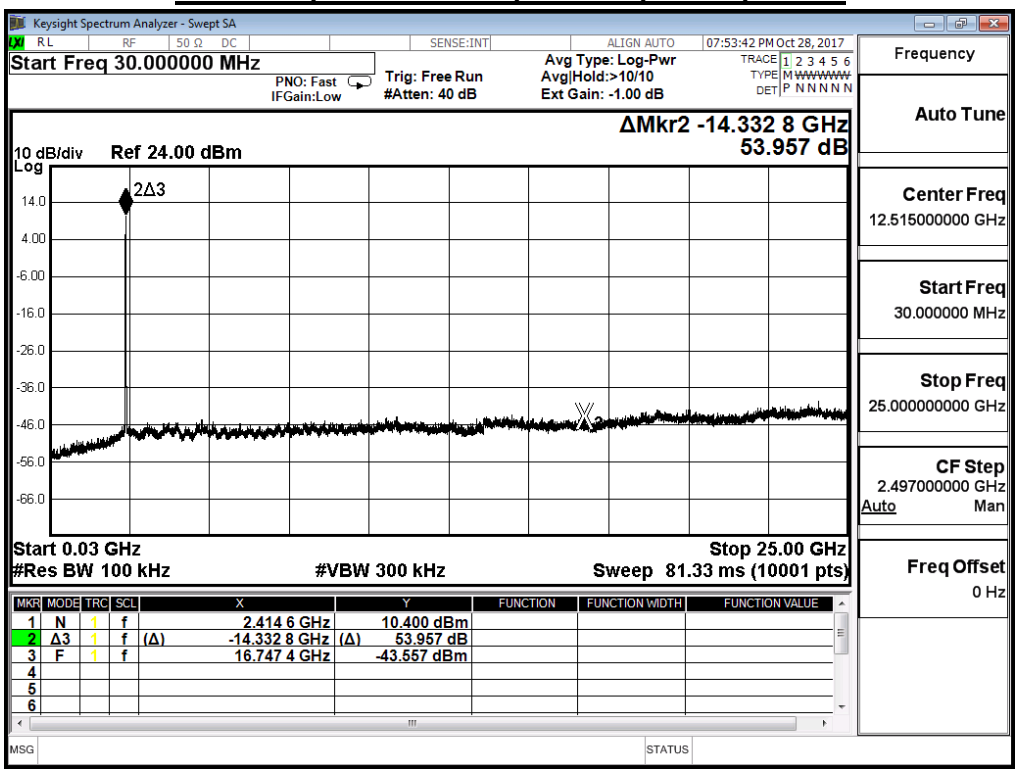
2437MHz (30MHz-25GHz)-802.11n(20MHz)-ANT 0



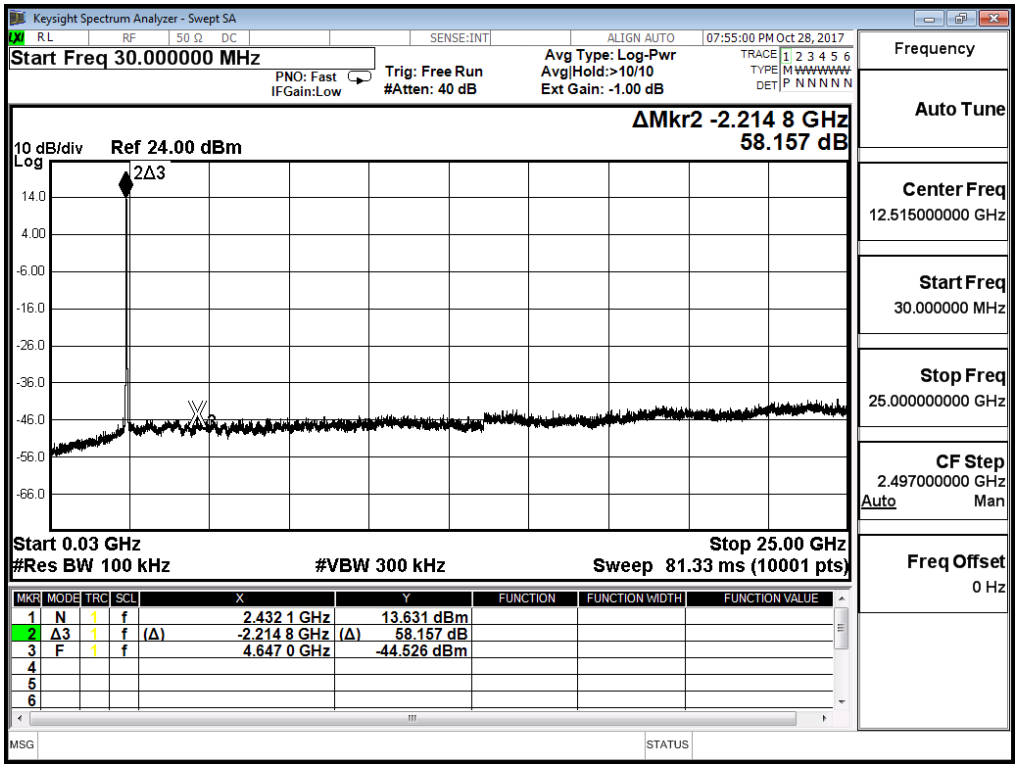
2462MHz (30MHz-25GHz)-802.11n(20MHz)-ANT 0



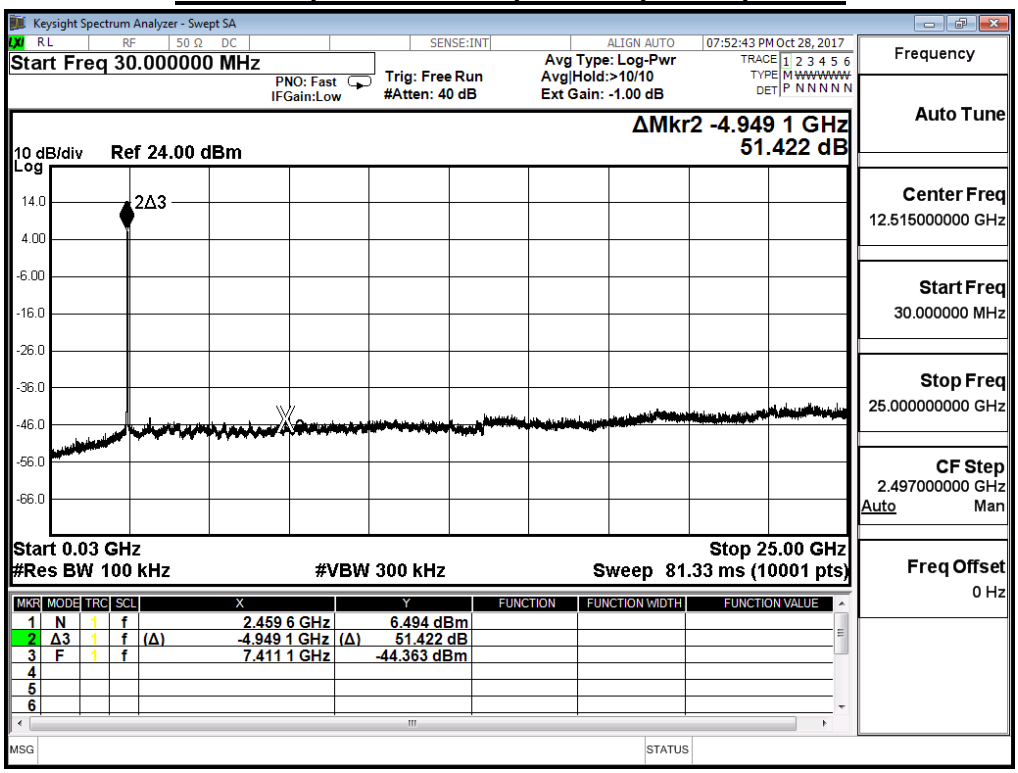
2412MHz (30MHz-25GHz)-802.11n(20MHz)-ANT 1



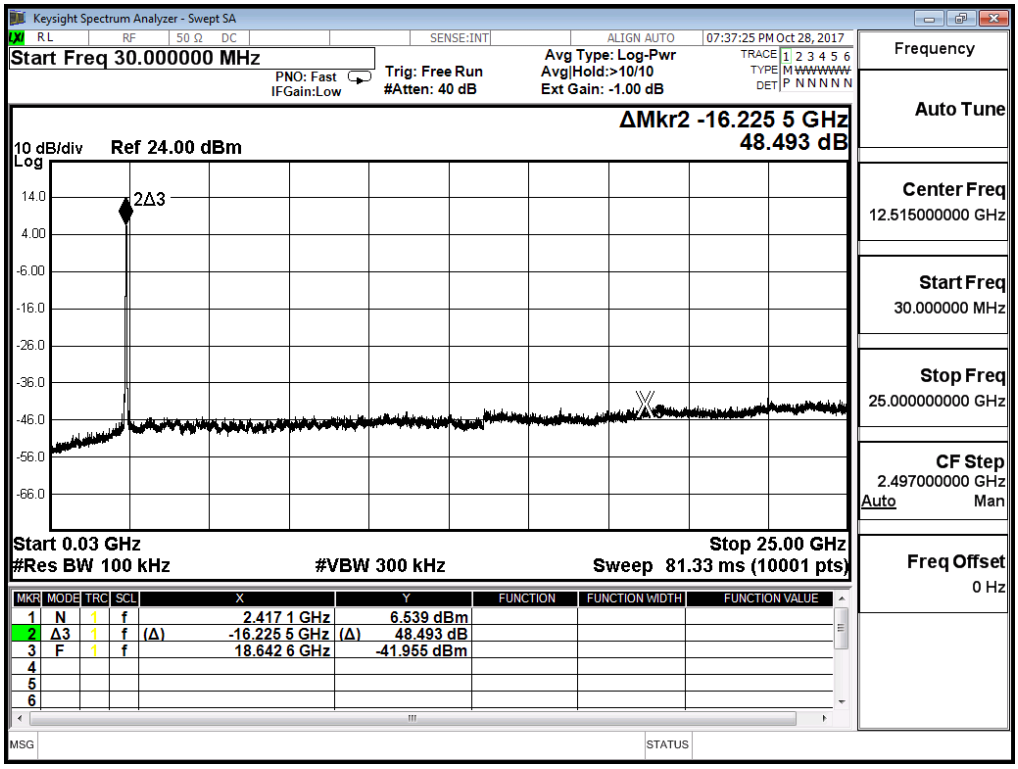
2437MHz (30MHz-25GHz)-802.11n(20MHz)-ANT 1



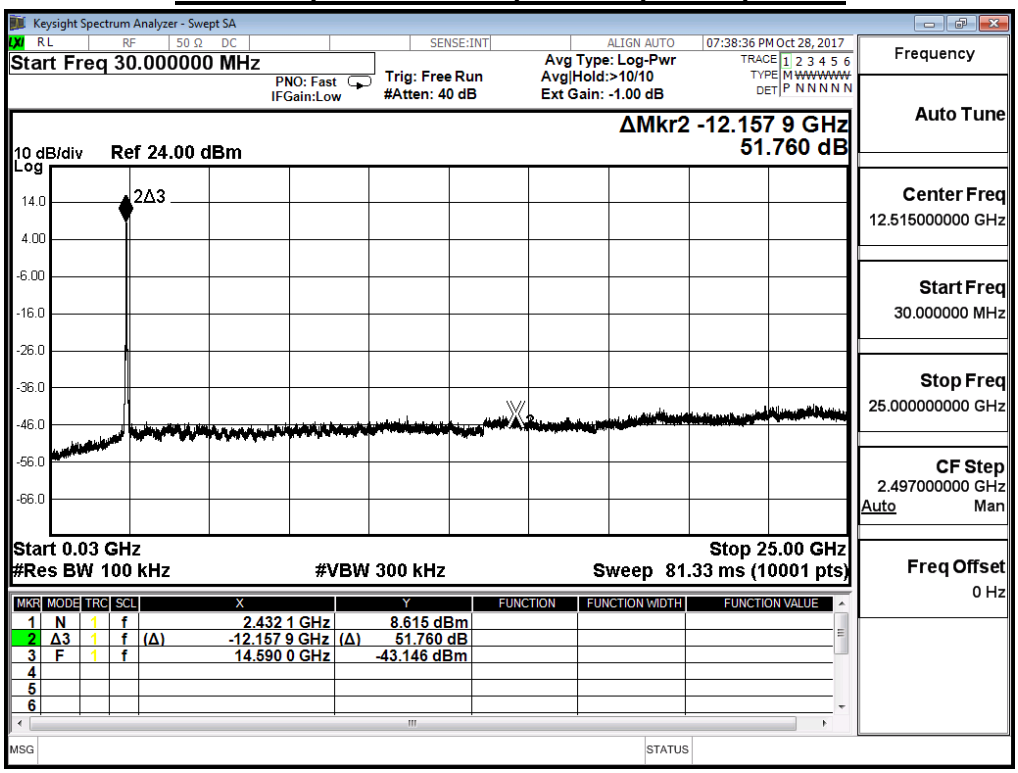
2462MHz (30MHz-25GHz)-802.11n(20MHz)-ANT 1



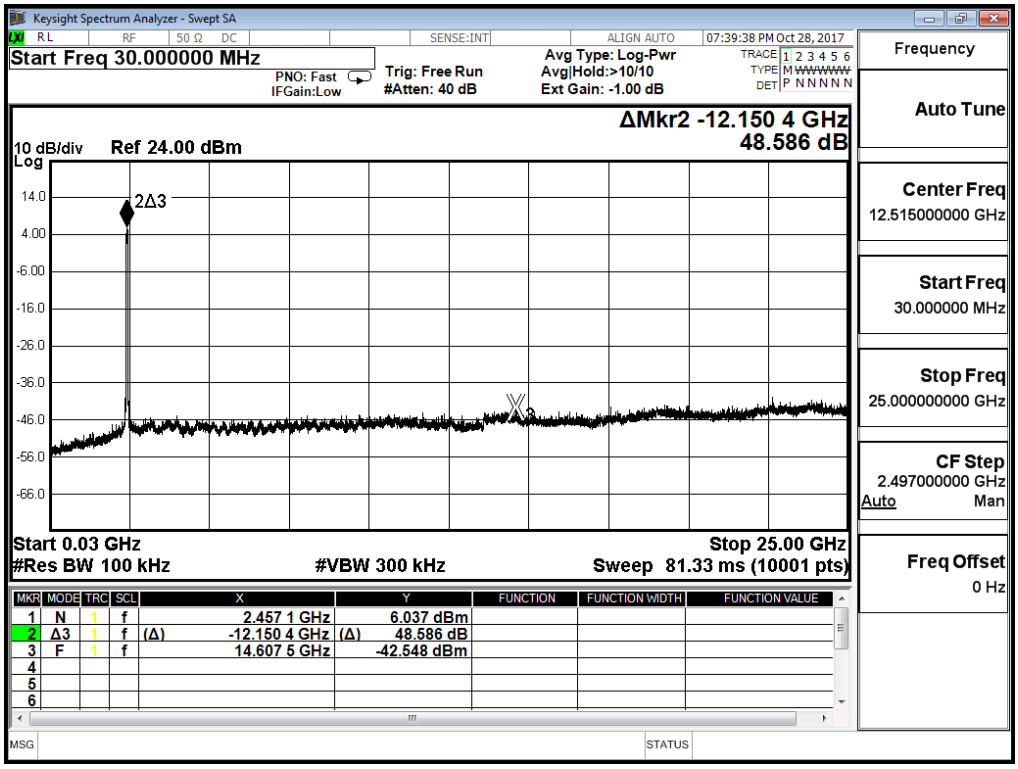
2422MHz (30MHz-25GHz)-802.11n(40MHz)-ANT 0



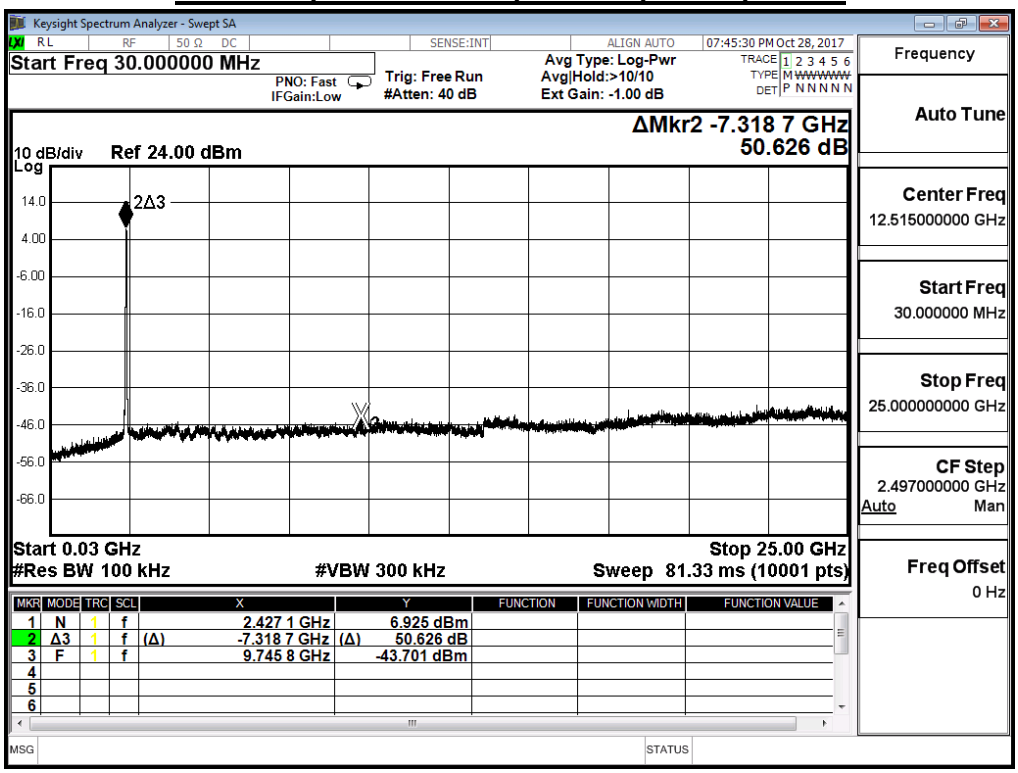
2437MHz (30MHz-25GHz)-802.11n(40MHz)-ANT 0



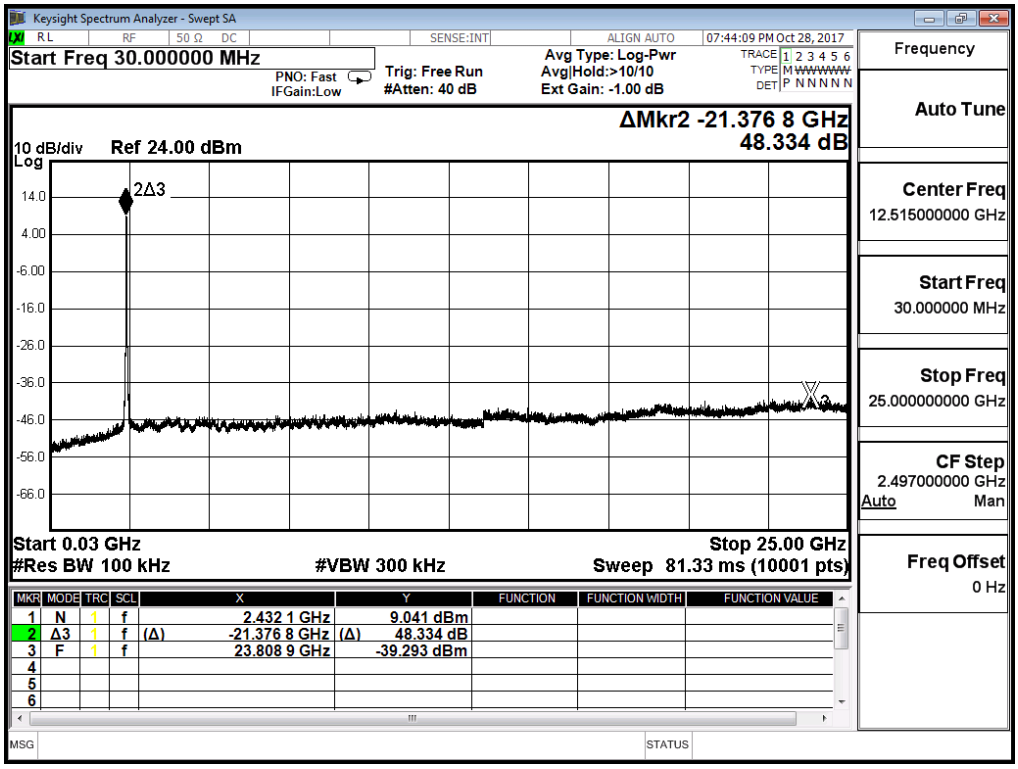
2452MHz (30MHz-25GHz)-802.11n(40MHz)-ANT 0



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



2437MHz (30MHz-25GHz)-802.11n(40MHz)-ANT 1



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