



FCC/ IC TEST REPORT

According to

CFR47 §15.247/ RSS-247 Issue 1

Applicant	: ZyXEL Communications Corp.
Address	: No.2, Gongye E. 9th Road, Hsinchu Science Park, Hsinchu, Taiwan
Manufacturer	: Wuxi MitraStar Technology Co., Ltd.
Address	: 60#-E, Minshan Road, New District Wuxi, Jiangsu, P.R.China.
Equipment	: Dual-Band Wireless AC/N VDSL2 Combo WAN Gigabit Gateway with USB
Model No.	: VMG3925-B10A
FCC ID	: I88VMG3925-B10A
IC ID	: 2468C-VMG3925B10A

- The test result refers exclusively to the test presented test model / sample.
- Without written approval of **Cerpass Technology Corp.** the test report shall not be reproduced except in full.
- The test report must not be used by the clients to claim product certification approval by **NVLAP** or any agency of the Government.

I HEREBY CERTIFY THAT :

The measurements shown in this test report were made in accordance with the procedures given in **ANSI C63.10 – 2013** and the energy emitted by this equipment was **passed**.

CISPR PUB. 22 and FCC Part 15 in both radiated and conducted emission class B limits. Testing was carried out on Jul 14th, 2015 at **Cerpass Technology Corp.**

Prepared By: Leo Chen
Leo Chen

Laboratory accreditation

Approved By: Miro Chueh
Miro Chueh





Release History

Attachment No.	Date	Description
SEDL1412162	2015-07-14	Initial release



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1. Report of Measurements and Examinations

1.1 List of Measurements and Examinations

Performed Test Item	Normative References	Test Performed	Deviation	Result
Conducted Emission	FCC CFR Title 47 Part 15 Subpart C: 2014 Section 15.207	Yes	N/A	Pass
Radiated Emission	FCC CFR Title 47 Part 15 Subpart C: 2014 Section 15.209 RSS-Gen Issue 4 November 2014 Section 6.13	Yes	No	Pass
RF Antenna Conducted Spurious	FCC CFR Title 47 Part 15 Subpart C: 2014 Section 15.247(d) RSS-247 Issue 1 May 2015 Section 5.5	Yes	No	Pass
Radiated Emission Band Edge	FCC CFR Title 47 Part 15 Subpart C: 2014 15.247(d) RSS-247 Issue 1 May 2015 Section 5.5	Yes	No	Pass
Operation Frequency Range of 20dB Bandwidth	FCC CFR Title 47 Part 15 Subpart C: 2014 15.215(c)	Yes	No	Pass
Occupied Bandwidth	FCC CFR Title 47 Part 15 Subpart C: 2014 Section 15.247(a)(2) RSS-247 Issue 1 May 2015 Section 5.2(1)	Yes	No	Pass
Output Power	FCC CFR Title 47 Part 15 Subpart C: 2014 Section 15.247(b)(3) RSS-247 Issue 1 May 2015 Section 5.4(4)	Yes	No	Pass
Power Spectral Density	FCC CFR Title 47 Part 15 Subpart C: 2014 Section 15.247(e) RSS-247 Issue 1 May 2015 Section 5.2(2)	Yes	No	Pass



2. Test Configuration of Equipment under Test

2.1 Feature of Equipment under Test

Power Adapter	Model No.:	DSA-24PFD-15 FUS 120200
	Input Rating:	100-240V~ 50/60Hz 0.8A
	Output Rating:	12V,2A
Power supply cable	Non-Shielded, 1.5m	

Spreading	802.11b: DSSS 802.11g / n: OFDM
Frequency Range	802.11b/g/n(20MHz): 2412-2462MHz 802.11n(40MHz): 2422-2452MHz
Number of Channels	802.11b/g/n (20MHz):11 802.11n (40MHz): 7
Data Rate	802.11b: 11, 5.5, 2, 1 Mbps 802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps 802.11n: up to 300Mbps
Antenna Type	PCB Antenna
Peak Antenna Gain	Ant 0: 3.4dB For 2400~2483.5MHz Ant 1: 2.7dB For 2400~2483.5MHz Directional Gain: 2.1 dBi For 2400~2483.5MHz



2.2 Carrier Frequency of Channels

For 2.4G 802.11b, 802.11g, 802.11n (20MHz)

Channel	Frequency(MHz)	Channel	Frequency(MHz)
01	2412	07	2442
02	2417	08	2447
03	2422	09	2452
04	2427	10	2457
05	2432	11	2462
06	2437	---	---

For 2.4G 802.11n (40MHz)

Channel	Frequency(MHz)	Channel	Frequency(MHz)
01	---	08	2447
02	---	09	2452
03	2422	---	---
04	2427	---	---
05	2432	---	---
06	2437	---	---
07	2442	---	---

2.3 Power Setting Levels

Mode	Frequency (MHz)	MTool Setting
802.11b	2412	21
	2437	21
	2462	20
802.11g	2412	20
	2437	21
	2462	20
802.11n20	2412	21
	2437	21
	2462	20
802.11n40	2422	21
	2437	21
	2452	20

Note:MTool software is used for power transmission control offered by the manufactory.



2.4 Duty cycle

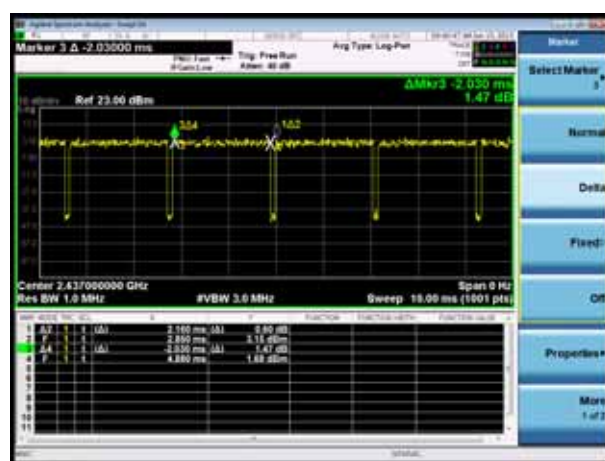
Test Item	Duty cycle
Test Date	2015-06-14

Mode	Frequency (MHz)	Measurement (%)
802.11b	2437	95
802.11g	2437	94
802.11n(20MHz)	2437	94
802.11n(40MHz)	2437	90

Transmit at channel 6 by 802.11b



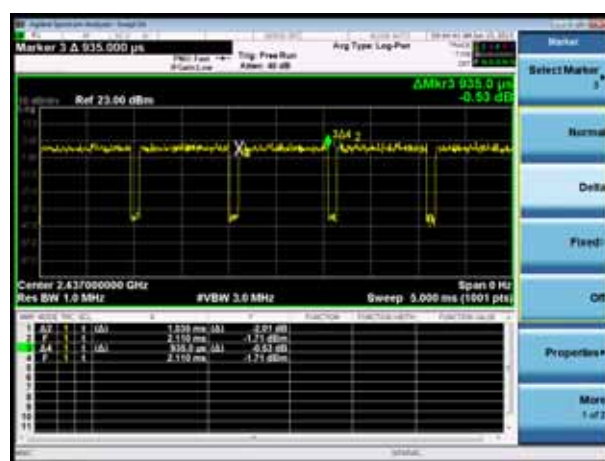
Transmit at channel 6 by 802.11g



Transmit at channel 6 by 802.11n(20MHz)



Transmit at channel 6 by 802.11 n(40MHz)





2.5 Test Manner

Test Manner	
1	During testing, the interface cables and equipment positions were varied according to RSS-247 Issue 1
2	Connect the HUB, Notebook, IP Express and EUT.
3	Adjust the EUT at the test mode and the test channel. Then test.
Test mode	
1	Transmit by 802.11b (An0/An1)
2	Transmit by 802.11g (An0/An1)
3	Transmit by 802.11n (20MHz) (An0/An1/An0+1)
4	Transmit by 802.11n (40MHz) (An0/An1/An0+1)

2.6 Description of Test System

No	Device	Manufacturer	Model No.	Description
1	HUB	D-Link	DI-504	N/A
2	IP Express	ASKEY	N/A	N/A
3	Notebook	ASUS	W6A	Power by adaptor

2.7 General Information of Test

Test Site:	Cerpass Technology Corp.
Performand Location :	No.66,Tangzhuang Road, Suzhou Industrial Park, Jiangsu 215006, China
NVLAP LAB Code :	200814-0
FCC Registration Number :	916572, 331395
IC Registration Number :	7290A-1, 7290A-2



2.8 Measurement Uncertainty

Measurement Item	Measurement Frequency	Polarization	Uncertainty
Conducted Emission	9 kHz ~ 30 MHz	LINE/NEUTRAL	± 2.71 dB
Radiated Emission	30 MHz ~ 25GHz	Vertical	± 4.11 dB
		Horizontal	± 4.10 dB
Occupied Bandwidth	---	---	± 7500 Hz
Maximum Peak Output Power	---	---	± 1.4 dB
Power Spectral Density	---	---	± 2.2 dB



3. Antenna Requirements

3.1 Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

3.2 Antenna Construction and Directional Gain

Antenna	Antenna 0 PCB (3.4 dBi)
	Antenna 1 PCB (2.7 dBi)
Directional Gain	2.1dBi



4. Test of Conducted Emission

4.1 Test Limit

Conducted Emissions were measured from 150 kHz to 30 MHz with a bandwidth of 9 KHz on the 120 VAC power and return leads of the EUT according to the methods defined in ANSI C63.10-2013. The EUT was placed on a nonmetallic stand in a shielded room 0.8 meters above the ground plane as shown in section 6.2.2. The interface cables and equipment positioning were varied within limits of reasonable applications to determine the position produced maximum conducted emissions.

Frequency (MHz)	Quasi Peak (dB μ V)	AVG (dB μ V)
0.15 – 0.5	66-56*	56-46*
0.5 – 5.0	56	46
5.0 – 30.0	60	50

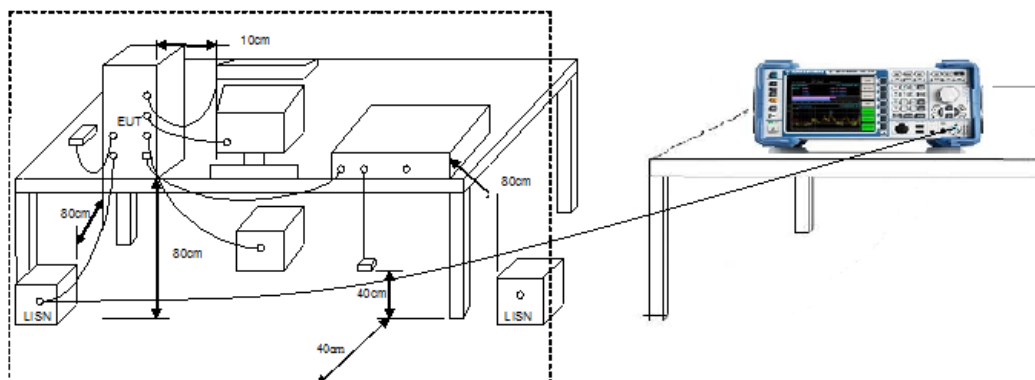
*Decreases with the logarithm of the frequency.

4.2 Test Procedures

The EUT was setup according to ANSI C63.10, 2013 and tested according to DTS test procedure of Oct 2014 KDB558074 for compliance to FCC 47CFR 15.247 requirements. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs) Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source. The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length. Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.



4.3 Typical Test Setup



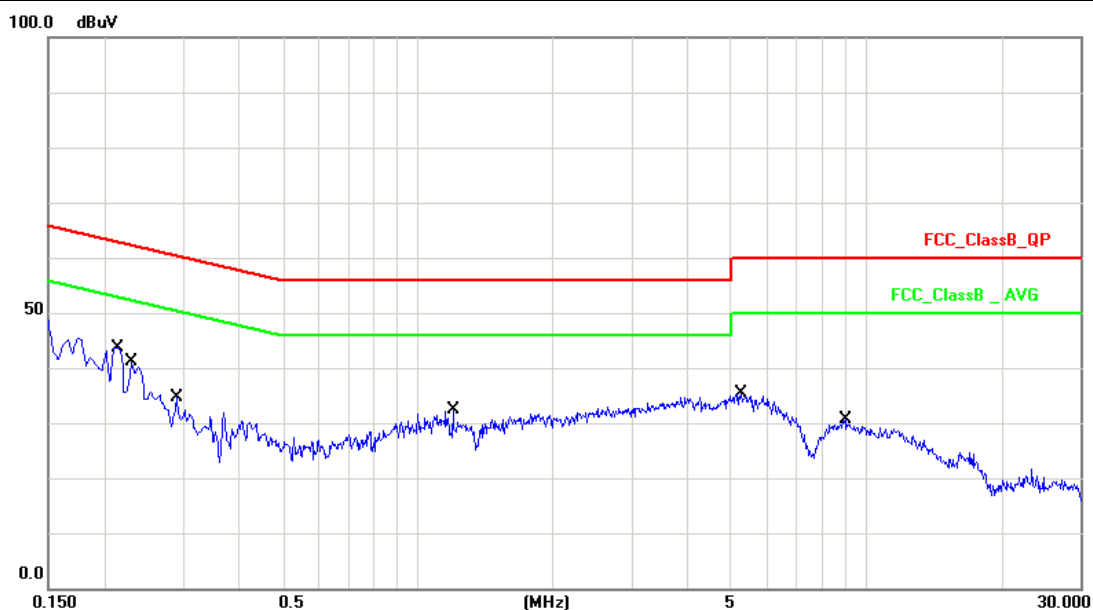
4.4 Measurement Equipment

Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date.
Test Receiver	R&S	ESCI	100565	2015.03.24	2016.03.23
AMN	R&S	ESH2-Z5	100182	2014.09.04	2015.09.03
Two-Line V-Network	R&S	ENV216	100325	2014.12.04	2015.12.03
ISN	FCC	FCC-TLISN-T2 -02	20379	2015.03.24	2016.03.23
ISN	FCC	FCC-TLISN-T4 -02	20380	2015.03.24	2016.03.23
ISN	FCC	FCC-TLISN-T8 -02	20381	2015.03.24	2016.03.23
ISN	TESEQ	ISN ST08	30175	2015.03.24	2016.03.23
Current Probe	R&S	EZ-17	100303	2015.04.04	2016.04.03
Passive Voltage Probe	R&S	ESH2-Z3	100026	2015.03.29	2016.03.28
Pulse Limiter	R&S	ESH3-Z2	100529	2015.03.29	2016.03.28
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-004	2015.03.31	2016.03.30



4.5 Test Result and Data

Test Mode :	Mode 1: Normal Operation with wifi on		
AC Power :	AC 120V/60Hz	Phase :	LINE
Temperature :	22°C	Humidity :	50%
Pressure(mbar) :	1002	Date:	2015/06/15

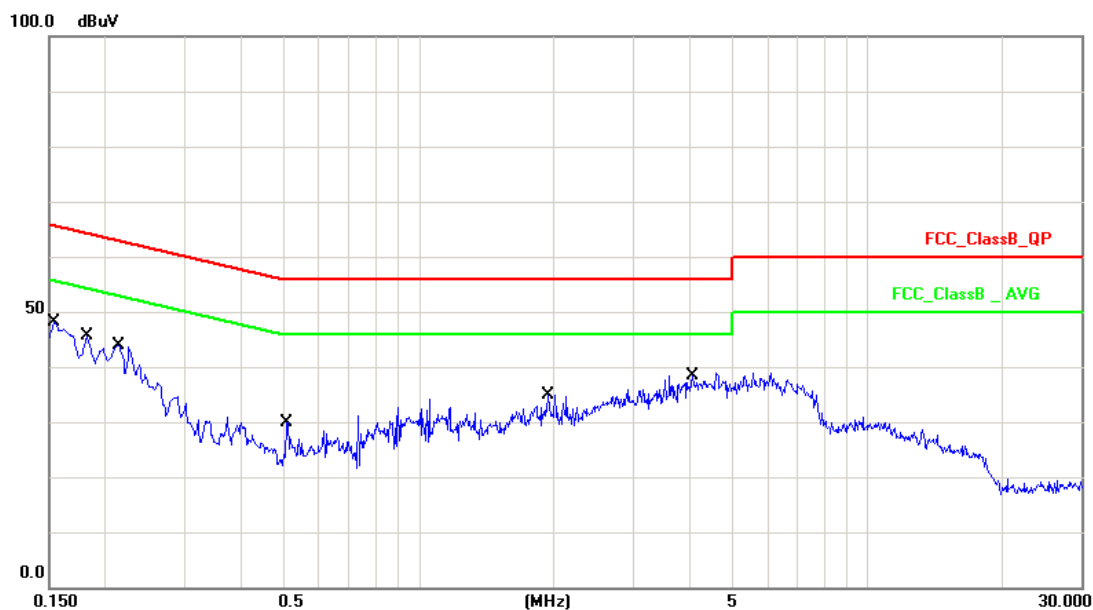


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.2140	10.12	28.51	38.63	63.04	-24.41	QP
2	0.2140	10.12	18.68	28.80	53.04	-24.24	AVG
3	0.2300	10.12	27.83	37.95	62.45	-24.50	QP
4	0.2300	10.12	21.12	31.24	52.45	-21.21	AVG
5	0.2900	10.14	20.05	30.19	60.52	-30.33	QP
6	0.2900	10.14	12.85	22.99	50.52	-27.53	AVG
7	1.1980	10.16	14.32	24.48	56.00	-31.52	QP
8	1.1980	10.16	7.89	18.05	46.00	-27.95	AVG
9	5.2500	10.24	20.81	31.05	60.00	-28.95	QP
10	5.2500	10.24	15.56	25.80	50.00	-24.20	AVG
11	8.9780	10.26	15.98	26.24	60.00	-33.76	QP
12	8.9780	10.26	11.14	21.40	50.00	-28.60	AVG

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 1: Normal Operation with wifi on		
AC Power :	AC 120V/60Hz	Phase :	NEUTRAL
Temperature :	22°C	Humidity :	50%
Pressure(mbar) :	1002	Date:	2015/06/15



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1540	10.13	32.64	42.77	65.78	-23.01	QP
2	0.1540	10.13	15.07	25.20	55.78	-30.58	AVG
3	0.1820	10.13	28.75	38.88	64.39	-25.51	QP
4	0.1820	10.13	14.89	25.02	54.39	-29.37	AVG
5	0.2140	10.13	29.78	39.91	63.05	-23.14	QP
6	0.2140	10.13	19.88	30.01	53.05	-23.04	AVG
7	0.5100	10.15	11.30	21.45	56.00	-34.55	QP
8	0.5100	10.15	3.99	14.14	46.00	-31.86	AVG
9	1.9460	10.18	17.35	27.53	56.00	-28.47	QP
10	1.9460	10.18	11.71	21.89	46.00	-24.11	AVG
11	4.0860	10.22	21.79	32.01	56.00	-23.99	QP
12	4.0860	10.22	15.75	25.97	46.00	-20.03	AVG

Note: Measurement Level = Reading Level + Correct Factor



5. Test of Radiated Emission

5.1 Test Limit

In any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. If the transmitter measurement is based on the maximum conducted output power, the attenuation required under this paragraph shall be 30dB instead of 20dB. In addition, radiated emissions which fall in section 15.205(a) the restricted bands must also comply with the radiated emission limit specified in section 15.209(a).

FREQUENCIES(MHz)	FIELD STRENGTH (microvolts/meter)	MEASUREMENT DISTANCE(meters)
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

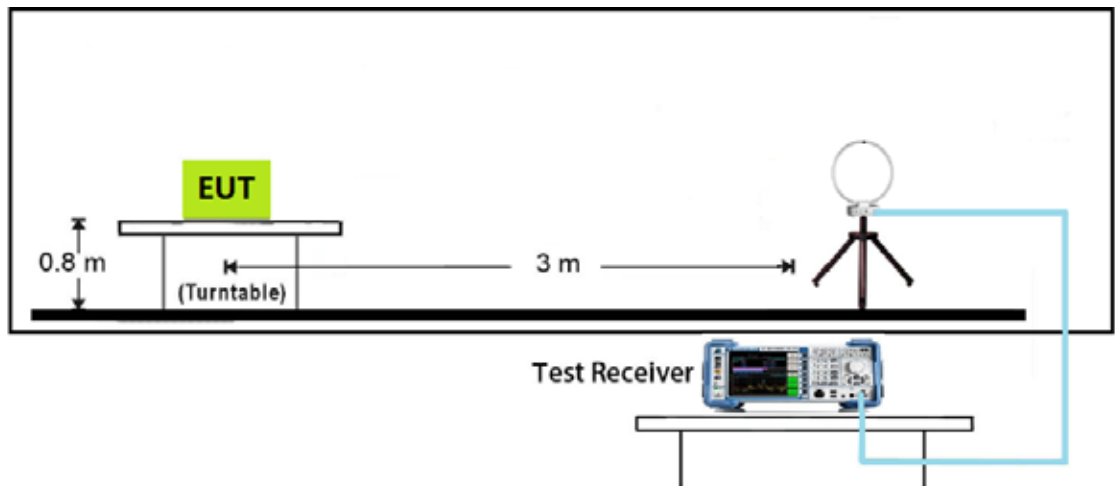
5.2 Test Procedures

- The EUT was placed on a rotatable table top 0.8 meter for frequency below 1GHz and 1.5meter for frequency above 1GHz above ground.
- The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
- The table was rotated 360 degrees to determine the position of the highest radiation.
- The antenna is a broadband antenna and its height is varied between one meter and four meters above ground to find the maximum value of the field strength both horizontal polarization and vertical polarization of the antenna are set to make the measurement.
- For each suspected emission the EUT was arranged to its worst case and then tune the antenna tower (from 1 M to 4 M) and turn table (from 0 degree to 360 degrees) to find the maximum reading.
- Set the test-receiver system to Peak or CISPR quasi-peak Detect Function and specified bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method and reported.
- For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than AVG limit (that means the emission level in peak mode also complies with the limit in AVG mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in AVG mode again and reported.

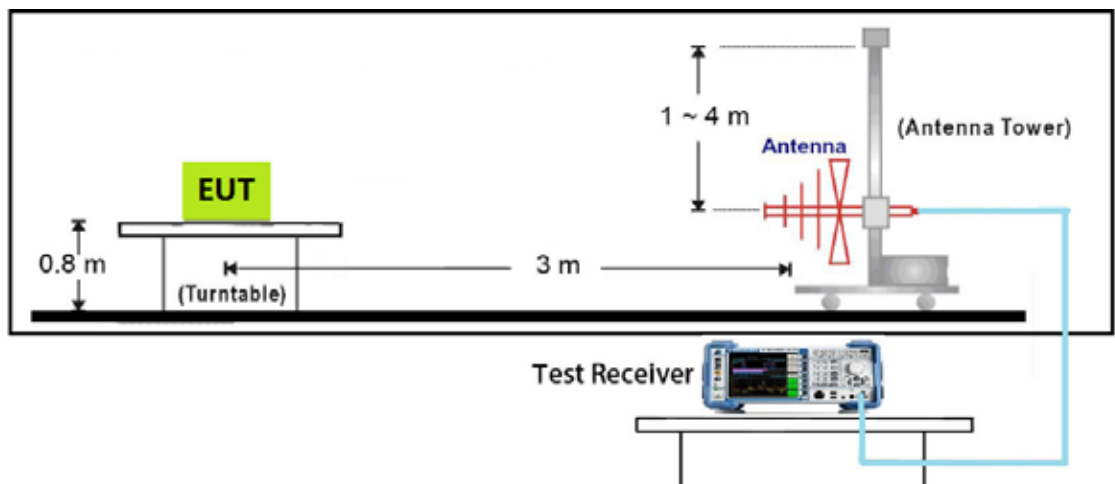


5.3 Typical Test Setup

9kHz~30MHz Test Setup

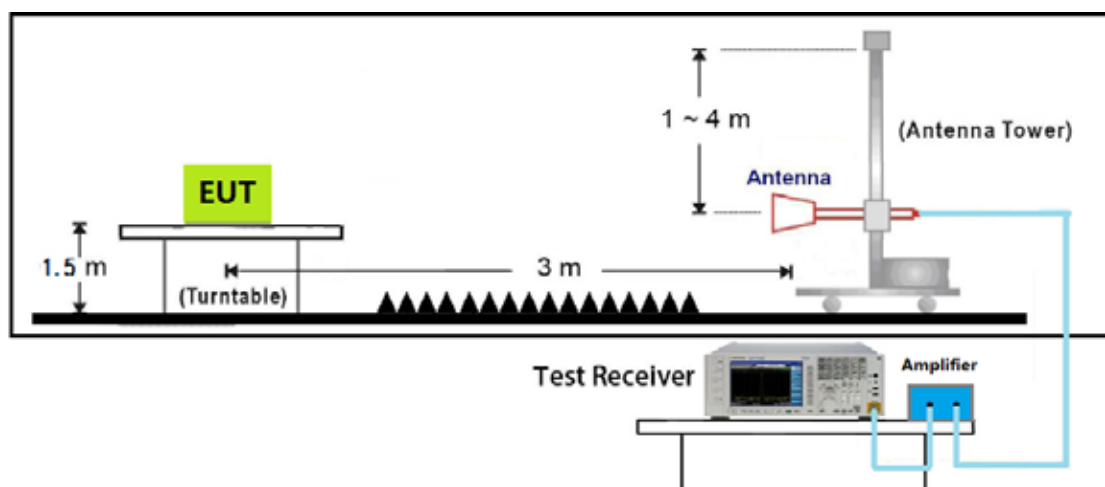


Below 1GHz Test Setup

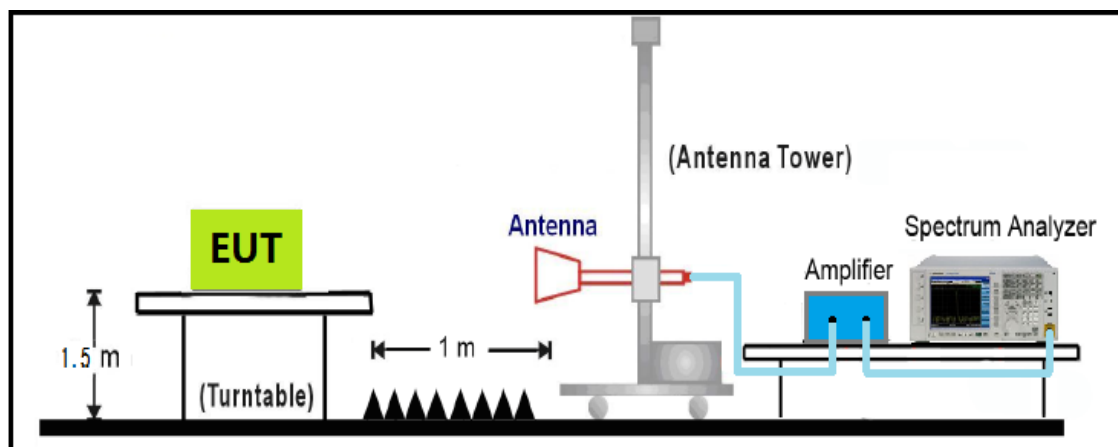




1GHz~18GHz Test Setup



18GHz~40GHz Test Setup





5.4 Measurement Equipment

Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date.
EMI Test Receiver	R&S	ESCI	100563	2015.02.10	2016.02.09
H64 Preamplifier	HP	8447F	3113A05582	2015.03.24	2016.03.23
Preamplifier	COM-POWER	PA-840	711885	2015.03.24	2016.03.23
Preamplifier	Agilent	8449B	3008A02342	2015.03.24	2016.03.23
Ultra Broadband Antenna	R&S	HL562	100362	2015.05.24	2016.05.23
Broad-Band Horn Antenna	Schwarzbeck	BBHA9120D	9120D-619	2015.05.24	2016.05.23
Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	9170-348	2015.05.24	2016.05.23
Spectrum Analyzer	R&S	FSP40	100324	2015.03.23	2016.03.24
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-002	2015.03.31	2016.03.30



5.5 Test Result and Data

The 9kHz-30MHz spurious emission is under limit 20dB more.

5.5.1 Test Result and Data of Transmitter

Under 1G:

Engineer :Wind	
Site : EMC Lab AC 102	Time : 2015-06-09
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : VMG3925-B10A	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	Note : Normal Link

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	AntPol. H/V
1	55.2200	-11.86	35.16	23.30	40.00	-16.70	QP	H
2	250.1899	-11.02	40.21	29.19	46.00	-16.81	QP	H
3	375.3199	-6.97	36.94	29.97	46.00	-16.03	QP	H
4	500.4499	-4.85	30.57	25.72	46.00	-20.28	QP	H
5	625.5800	-1.50	30.25	28.75	46.00	-17.25	QP	H
6	875.8400	2.05	27.99	30.04	46.00	-15.96	QP	H

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	AntPol. H/V
1	53.2800	-11.53	35.12	23.59	40.00	-16.41	QP	V
2	156.0999	-7.55	36.87	29.32	43.50	-14.18	QP	V
3	250.1899	-11.02	40.95	29.93	46.00	-16.07	QP	V
4	500.4499	-4.85	38.19	33.34	46.00	-12.66	QP	V
5	625.5800	-1.50	36.84	35.34	46.00	-10.66	QP	V
6	875.8400	2.05	34.97	37.02	46.00	-8.98	QP	V

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Above 1G:

Engineer : Wind	
Site : EMC Lab AC 102	Time : 2015-06-09
Limit : FCC_15_03M_PK	Margin : 6
EUT : VMG3925-B10A	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit by 802.11b (Ant 0) (2412MHz)

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	AntPol. H/V
	2410.910	31.09	88.55	119.64	N/A	N/A	peak	V
1	4824.000	6.41	36.45	42.86	74.00	-31.14	peak	H
2	7236.000	12.54	30.03	42.57	74.00	-31.43	peak	H
3	4824.000	6.41	37.72	44.13	74.00	-29.87	peak	V
4	7236.000	12.54	33.19	45.73	74.00	-28.27	peak	V

Engineer : Wind	
Site : EMC Lab AC 102	Time : 2015-06-09
Limit : FCC_15_03M_PK	Margin : 6
EUT : VMG3925-B10A	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit by 802.11b (Ant 0) (2437MHz)

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	AntPol. H/V
	2433.090	31.16	89.01	120.17	N/A	N/A	peak	V
1	4874.000	6.54	37.52	44.06	74.00	-29.94	peak	H
2	7311.000	12.72	29.56	42.28	74.00	-31.72	peak	H
3	4874.000	6.54	37.80	44.34	74.00	-29.66	peak	V
4	7311.000	12.72	33.22	45.94	74.00	-28.06	peak	V

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Engineer : Wind	
Site : EMC Lab AC 102	Time : 2015-06-09
Limit : FCC_15_03M_PK	Margin : 6
EUT : VMG3925-B10A	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit by 802.11b (Ant 0) (2462MHz)

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	AntPol. H/V
	2463.090	31.24	88.59	119.83	N/A	N/A	peak	V
1	4924.000	6.66	36.11	42.77	74.00	-31.23	peak	H
2	7386.000	12.90	29.95	42.85	74.00	-31.15	peak	H
3	4924.000	6.66	37.83	44.49	74.00	-29.51	peak	V
4	7386.000	12.90	32.45	45.35	74.00	-28.65	peak	V

Engineer : Wind	
Site : EMC Lab AC 102	Time : 2015-06-09
Limit : FCC_15_03M_PK	Margin : 6
EUT : VMG3925-B10A	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit by 802.11g (Ant 0) (2412MHz)

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	AntPol. H/V
	2408.900	31.09	86.37	117.46	N/A	N/A	peak	V
1	4824.000	6.41	39.45	45.86	74.00	-28.14	peak	H
2	7236.000	12.54	32.53	45.07	74.00	-28.93	peak	H
3	4824.000	6.41	36.22	42.63	74.00	-31.37	peak	V
4	7236.000	12.54	31.19	43.73	74.00	-30.27	peak	V

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Engineer : Wind	
Site : EMC Lab AC 102	Time : 2015-06-09
Limit : FCC_15_03M_PK	Margin : 6
EUT : VMG3925-B10A	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit by 802.11g (Ant 0) (2437MHz)

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	AntPol. H/V
	2430.880	31.13	100.96	122.09	N/A	N/A	peak	V
1	4874.000	6.54	39.02	45.56	74.00	-28.44	peak	H
2	7311.000	12.72	32.56	45.28	74.00	-28.72	peak	H
3	4874.000	6.54	35.80	42.34	74.00	-31.66	peak	V
4	7311.000	12.72	31.72	44.44	74.00	-29.56	peak	V

Engineer : Wind	
Site : EMC Lab AC 102	Time : 2015-06-09
Limit : FCC_15_03M_PK	Margin : 6
EUT : VMG3925-B10A	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit by 802.11g (Ant 0) (2462MHz)

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	AntPol. H/V
	2459.540	31.23	87.65	118.88	N/A	N/A	peak	V
1	4924.000	6.66	35.61	42.27	74.00	-31.73	peak	H
2	7386.000	12.90	30.95	43.85	74.00	-30.15	peak	H
3	4924.000	6.66	35.33	41.99	74.00	-32.01	peak	V
4	7386.000	12.90	31.45	44.35	74.00	-29.65	peak	V

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Engineer : Wind	
Site : EMC Lab AC 102	Time : 2015-06-09
Limit : FCC_15_03M_PK	Margin : 6
EUT : VMG3925-B10A	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit by 802.11n(20MHz) (Ant 0) (2412MHz)

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	AntPol. H/V
	2408.080	31.09	85.30	116.38	N/A	N/A	peak	V
1	4824.000	6.41	35.95	42.36	74.00	-31.64	peak	H
2	7236.000	12.54	28.53	41.07	74.00	-32.93	peak	H
3	4824.000	6.41	35.72	42.13	74.00	-31.87	peak	V
4	7236.000	12.54	31.69	44.23	74.00	-29.77	peak	V

Engineer : Wind	
Site : EMC Lab AC 102	Time : 2015-06-09
Limit : FCC_15_03M_PK	Margin : 6
EUT : VMG3925-B10A	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit by 802.11n(20MHz) (Ant 0) (2437MHz)

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	AntPol. H/V
	2439.340	31.18	90.03	121.21	N/A	N/A	peak	V
1	4874.000	6.54	38.52	45.06	74.00	-28.94	peak	H
2	7311.000	12.72	31.06	43.78	74.00	-30.22	peak	H
3	4874.000	6.54	35.80	42.34	74.00	-31.66	peak	V
4	7311.000	12.72	32.72	45.44	74.00	-28.56	peak	V

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Engineer : Wind	
Site : EMC Lab AC 102	Time : 2015-06-09
Limit : FCC_15_03M_PK	Margin : 6
EUT : VMG3925-B10A	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit by 802.11n(20MHz) (Ant 0) (2462MHz)

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	AntPol. H/V
	2459.920	31.23	85.20	116.43	N/A	N/A	peak	V
1	4924.000	6.66	38.11	44.77	74.00	-29.23	peak	H
2	7386.000	12.90	32.45	45.35	74.00	-28.65	peak	H
3	4924.000	6.66	36.83	43.49	74.00	-30.51	peak	V
4	7386.000	12.90	32.95	45.85	74.00	-28.15	peak	V

Engineer : Wind	
Site : EMC Lab AC 102	Time : 2015-06-09
Limit : FCC_15_03M_PK	Margin : 6
EUT : VMG3925-B10A	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit by 802.11n(40MHz) (Ant 0) (2422MHz)

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	AntPol. H/V
	2417.450	31.11	82.12	113.23	N/A	N/A	peak	V
1	4844.000	6.46	36.55	43.01	74.00	-30.99	peak	H
2	7266.000	12.61	30.51	43.12	74.00	-30.88	peak	H
3	4844.000	6.46	38.49	44.95	74.00	-29.05	peak	V
4	7266.000	12.61	32.57	45.18	74.00	-28.82	peak	V

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Engineer : Wind	
Site : EMC Lab AC 102	Time : 2015-06-09
Limit : FCC_15_03M_PK	Margin : 6
EUT : VMG3925-B10A	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit by 802.11n(40MHz) (Ant 0) (2437MHz)

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	AntPol. H/V
	2440.060	31.28	90.31	121.59	N/A	N/A	peak	V
1	4874.000	6.54	37.52	44.06	74.00	-29.94	peak	H
2	7311.000	12.72	29.56	42.28	74.00	-31.72	peak	H
3	4874.000	6.54	37.80	44.34	74.00	-29.87	peak	V
4	7311.000	12.72	33.22	45.94	74.00	-28.27	peak	V

Engineer : Wind	
Site : EMC Lab AC 102	Time : 2015-06-09
Limit : FCC_15_03M_PK	Margin : 6
EUT : VMG3925-B10A	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit by 802.11n(40MHz) (Ant 0) (2452MHz)

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	AntPol. H/V
	2448.460	31.20	86.96	116.15	N/A	N/A	peak	V
1	4904.000	6.61	35.96	42.57	74.00	-31.43	peak	H
2	7356.000	12.83	29.51	42.34	74.00	-31.66	peak	H
3	4904.000	6.61	38.06	44.67	74.00	-29.33	peak	V
4	7356.000	12.83	33.01	45.84	74.00	-28.16	peak	V

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Engineer : Wind	
Site : EMC Lab AC 102	Time : 2015-06-09
Limit : FCC_15_03M_PK	Margin : 6
EUT : VMG3925-B10A	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit by 802.11b (Ant 1) (2412MHz)

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	AntPol. H/V
	2410.690	31.09	87.86	118.96	N/A	N/A	peak	V
1	4824.000	6.41	36.45	42.86	74.00	-31.14	peak	H
2	7236.000	12.54	30.53	43.07	74.00	-30.93	peak	H
3	4824.000	6.41	38.72	45.13	74.00	-28.87	peak	V
4	7236.000	12.54	34.19	46.73	74.00	-27.27	peak	V

Engineer : Wind	
Site : EMC Lab AC 102	Time : 2015-06-09
Limit : FCC_15_03M_PK	Margin : 6
EUT : VMG3925-B10A	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit by 802.11b (Ant 1) (2437MHz)

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	AntPol. H/V
	2438.920	31.17	86.90	118.07	N/A	N/A	peak	V
1	4874.000	6.54	40.52	47.06	74.00	-26.94	peak	H
2	7311.000	12.72	31.56	44.28	74.00	-29.72	peak	H
3	4874.000	6.54	37.30	43.84	74.00	-30.16	peak	V
4	7311.000	12.72	33.72	46.44	74.00	-27.56	peak	V

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Engineer : Wind	
Site : EMC Lab AC 102	Time : 2015-06-09
Limit : FCC_15_03M_PK	Margin : 6
EUT : VMG3925-B10A	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit by 802.11b (Ant 1) (2462MHz)

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	AntPol. H/V
	2463.180	31.24	86.85	118.09	N/A	N/A	peak	V
1	4924.000	6.66	37.11	43.77	74.00	-30.23	peak	H
2	7386.000	12.90	29.45	42.35	74.00	-31.65	peak	H
3	4924.000	6.66	38.83	45.49	74.00	-28.51	peak	V
4	7386.000	12.90	31.95	44.85	74.00	-29.15	peak	V

Engineer : Wind	
Site : EMC Lab AC 102	Time : 2015-06-09
Limit : FCC_15_03M_PK	Margin : 6
EUT : VMG3925-B10A	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit by 802.11g (Ant 1) (2412MHz)

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	AntPol. H/V
	2405.090	31.08	85.98	117.05	N/A	N/A	peak	V
1	4824.000	6.41	36.45	42.86	74.00	-31.14	peak	H
2	7236.000	12.54	27.53	40.07	74.00	-33.93	peak	H
3	4824.000	6.41	36.22	42.63	74.00	-31.37	peak	V
4	7236.000	12.54	32.19	44.73	74.00	-29.27	peak	V

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Engineer : Wind	
Site : EMC Lab AC 102	Time : 2015-06-09
Limit : FCC_15_03M_PK	Margin : 6
EUT : VMG3925-B10A	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit by 802.11g (Ant 1) (2437MHz)

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	AntPol. H/V
	2432.670	31.12	89.44	120.56	N/A	N/A	peak	V
1	4874.000	6.54	38.52	45.06	74.00	-28.94	peak	H
2	7311.000	12.72	31.56	44.28	74.00	-29.72	peak	H
3	4874.000	6.54	39.30	45.84	74.00	-28.16	peak	V
4	7311.000	12.72	30.72	43.44	74.00	-30.56	peak	V

Engineer : Wind	
Site : EMC Lab AC 102	Time : 2015-06-09
Limit : FCC_15_03M_PK	Margin : 6
EUT : VMG3925-B10A	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit by 802.11g (Ant 1) (2462MHz)

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	AntPol. H/V
	2464.720	31.24	81.22	112.46	N/A	N/A	peak	V
1	4924.000	6.66	38.61	45.27	74.00	-28.73	peak	H
2	7386.000	12.90	30.95	43.85	74.00	-30.15	peak	H
3	4924.000	6.66	38.83	45.49	74.00	-28.51	peak	V
4	7386.000	12.90	32.95	45.85	74.00	-28.15	peak	V

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Engineer : Wind	
Site : EMC Lab AC 102	Time : 2015-06-09
Limit : FCC_15_03M_PK	Margin : 6
EUT : VMG3925-B10A	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit by 802.11n(20MHz) (Ant 1) (2412MHz)

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	AntPol. H/V
	2404.080	31.07	85.15	116.22	N/A	N/A	peak	V
1	4824.000	6.41	36.95	43.36	74.00	-30.64	peak	H
2	7236.000	12.54	32.53	45.07	74.00	-28.93	peak	H
3	4824.000	6.41	38.22	44.63	74.00	-29.37	peak	V
4	7236.000	12.54	33.19	45.73	74.00	-28.27	peak	V

Engineer : Wind	
Site : EMC Lab AC 102	Time : 2015-06-09
Limit : FCC_15_03M_PK	Margin : 6
EUT : VMG3925-B10A	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit by 802.11n(20MHz) (Ant 1) (2437MHz)

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	AntPol. H/V
	2442.670	31.25	87.20	118.45	N/A	N/A	peak	V
1	4874.000	6.54	39.02	45.56	74.00	-28.44	peak	H
2	7311.000	12.72	30.56	43.28	74.00	-30.72	peak	H
3	4874.000	6.54	36.30	42.84	74.00	-31.16	peak	V
4	7311.000	12.72	32.22	44.94	74.00	-29.06	peak	V

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Engineer : Wind	
Site : EMC Lab AC 102	Time : 2015-06-09
Limit : FCC_15_03M_PK	Margin : 6
EUT : VMG3925-B10A	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit by 802.11n(20MHz) (Ant 1) (2462MHz)

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	AntPol. H/V
	2465.250	31.24	85.61	116.85	N/A	N/A	peak	V
1	4924.000	6.66	34.61	41.27	74.00	-32.73	peak	H
2	7386.000	12.90	28.95	41.85	74.00	-32.15	peak	H
3	4924.000	6.66	40.33	46.99	74.00	-27.01	peak	V
4	7386.000	12.90	33.95	46.85	74.00	-27.15	peak	V

Engineer : Wind	
Site : EMC Lab AC 102	Time : 2015-06-09
Limit : FCC_15_03M_PK	Margin : 6
EUT : VMG3925-B10A	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit by 802.11n(40MHz) (Ant 1) (2422MHz)

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	AntPol. H/V
	2419.820	31.12	76.06	107.18	N/A	N/A	peak	V
1	4844.000	6.46	38.55	45.01	74.00	-28.99	peak	H
2	7266.000	12.61	33.01	45.62	74.00	-28.38	peak	H
3	4844.000	6.46	37.49	43.95	74.00	-30.05	peak	V
4	7266.000	12.61	34.07	46.68	74.00	-27.32	peak	V

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Engineer : Wind	
Site : EMC Lab AC 102	Time : 2015-06-09
Limit : FCC_15_03M_PK	Margin : 6
EUT : VMG3925-B10A	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit by 802.11n(40MHz) (Ant 1) (2437MHz)

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	AntPol. H/V
	2441.430	31.27	83.86	115.13	N/A	N/A	peak	V
1	4874.000	6.54	38.02	44.56	74.00	-29.44	peak	H
2	7311.000	12.72	31.56	44.28	74.00	-29.72	peak	H
3	4874.000	6.54	38.80	45.34	74.00	-28.66	peak	V
4	7311.000	12.72	35.22	47.94	74.00	-26.06	peak	V

Engineer : Wind	
Site : EMC Lab AC 102	Time : 2015-06-09
Limit : FCC_15_03M_PK	Margin : 6
EUT : VMG3925-B10A	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit by 802.11n(40MHz) (Ant 1) (2452MHz)

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	AntPol. H/V
	2438.600	31.17	78.60	109.77	N/A	N/A	peak	V
1	4904.000	6.61	34.96	41.57	74.00	-32.43	peak	H
2	7356.000	12.83	31.01	43.84	74.00	-30.16	peak	H
3	4904.000	6.61	36.56	43.17	74.00	-30.83	peak	V
4	7356.000	12.83	32.01	44.84	74.00	-29.16	peak	V

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Engineer : Wind	
Site : EMC Lab AC 102	Time : 2015-06-09
Limit : FCC_15_03M_PK	Margin : 6
EUT : VMG3925-B10A	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit by 802.11n20MHz (Ant 0+1) (2412MHz)

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	AntPol. H/V
	2413.260	31.10	85.97	117.07	N/A	N/A	peak	V
1	4824.000	6.41	42.78	49.19	74.00	-24.81	peak	H
2	7236.000	12.54	35.56	48.10	74.00	-25.90	peak	H
3	4824.000	6.41	39.66	46.07	74.00	-27.93	peak	V
4	7236.000	12.54	35.06	47.60	74.00	-26.40	peak	V

Engineer : Wind	
Site : EMC Lab AC 102	Time : 2015-06-09
Limit : FCC_15_03M_PK	Margin : 6
EUT : VMG3925-B10A	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit by 802.11n20MHz (Ant 0+1) (2437MHz)

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	AntPol. H/V
	2438.010	31.17	88.27	119.43	N/A	N/A	peak	V
1	4874.000	6.54	37.02	43.56	74.00	-30.44	peak	H
2	7311.000	12.72	34.82	47.54	74.00	-26.46	peak	H
3	4874.000	6.54	37.66	44.20	74.00	-29.80	peak	V
4	7311.000	12.72	31.82	44.54	74.00	-29.46	peak	V

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Engineer : Wind	
Site : EMC Lab AC 102	Time : 2015-06-09
Limit : FCC_15_03M_PK	Margin : 6
EUT : VMG3925-B10A	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit by 802.11n(20MHz) (Ant 0+1) (2462MHz)

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	AntPol. H/V
	2465.580	31.24	85.58	116.82	N/A	N/A	peak	V
1	4924.000	6.66	34.53	41.19	74.00	-32.81	peak	H
2	7386.000	12.90	36.78	49.68	74.00	-24.32	peak	H
3	4924.000	6.66	37.94	44.60	74.00	-29.40	peak	V
4	7386.000	12.90	33.09	45.99	74.00	-28.01	peak	V

Engineer : Wind	
Site : EMC Lab AC 102	Time : 2015-06-09
Limit : FCC_15_03M_PK	Margin : 6
EUT : VMG3925-B10A	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit by 802.11n(40MHz) (Ant 0+1) (2422MHz)

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	AntPol. H/V
	2418.500	31.11	79.86	110.98	N/A	N/A	peak	V
1	4844.000	6.46	42.32	48.78	74.00	-25.22	peak	H
2	7266.000	12.61	37.52	50.13	74.00	-23.87	peak	H
3	4844.000	6.46	36.73	43.19	74.00	-30.81	peak	V
4	7266.000	12.61	32.58	45.19	74.00	-28.81	peak	V

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Engineer : Wind	
Site : EMC Lab AC 102	Time : 2015-06-09
Limit : FCC_15_03M_PK	Margin : 6
EUT : VMG3925-B10A	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit by 802.11 n(40MHz) (Ant 0+1) (2437MHz)

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	AntPol. H/V
	2435.010	31.16	84.37	115.53	N/A	N/A	peak	V
1	4874.000	6.54	39.51	46.05	74.00	-27.95	peak	H
2	7311.000	12.72	37.44	50.16	74.00	-23.84	peak	H
3	4874.000	6.54	38.73	45.27	74.00	-28.73	peak	V
4	7311.000	12.72	35.50	48.22	74.00	-25.78	peak	V

Engineer : Wind	
Site : EMC Lab AC 102	Time : 2015-06-09
Limit : FCC_15_03M_PK	Margin : 6
EUT : VMG3925-B10A	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit by 802.11g n (40MHz) (2452MHz)

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	AntPol. H/V
	2446.350	31.19	86.00	117.19	N/A	N/A	peak	V
1	4904.000	6.61	37.50	44.11	74.00	-29.89	peak	H
2	7356.000	12.83	29.54	42.37	74.00	-31.63	peak	H
3	4904.000	6.61	37.10	43.71	74.00	-30.29	peak	V
4	7356.000	12.83	31.94	44.77	74.00	-29.23	peak	V

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Test Result of Radiated Emissions for Co-located

Engineer : Wind	
Site : EMC Lab AC 102	Time : 2015-06-09
Limit : FCC_15_03M_PK	Margin : 6
EUT : VMG3925-B10A	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	Note : 2.4G + 5G Transmit

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	AntPol. H/V
1	1493.000	-4.81	43.11	38.30	74.00	-35.70	peak	H
2	2020.000	-2.63	41.49	38.86	74.00	-35.14	peak	H
3	2462.000	-1.15	41.19	40.04	74.00	-33.96	peak	H
4	1493.000	-4.81	43.76	38.95	74.00	-35.05	peak	V
5	2122.000	-2.29	40.98	38.69	74.00	-35.31	peak	V
6	2479.000	-1.10	41.09	39.99	74.00	-34.01	peak	V



6. Occupied Bandwidth

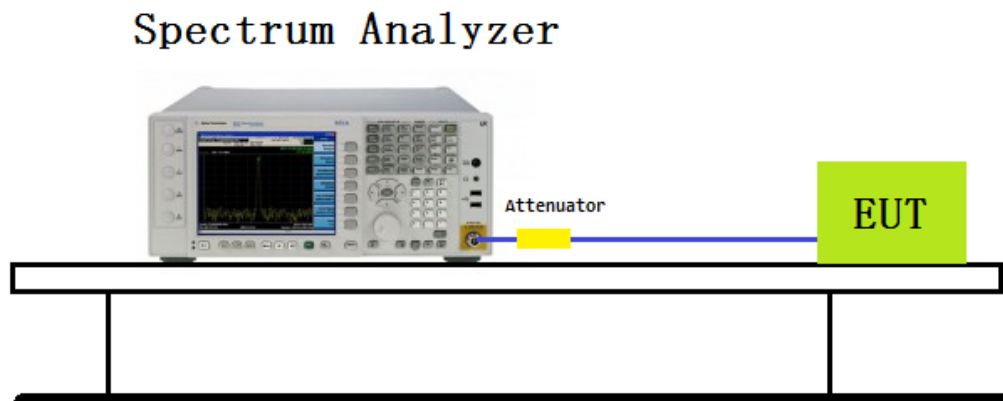
6.1 Test Limit

Systems using digital modulation techniques may operate in the 902 - 928 MHz, 2400 - 2483.5 MHz, and 5725- 5850 MHz band. The minimum 6 dB bandwidth shall be at least 500 kHz.

6.2 Test Procedures

- The transmitter output was connected to the spectrum analyzer.
- Set RBW of spectrum analyzer to 100KHz and VBW $\geq 3 \times$ RBW.
- The 6 dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6 dB.
- The 6dB Bandwidth was measured and recorded.

6.3 Test Setup Layout



6.4 Measurement Equipment

Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date	Valid Date
Spectrum Analyzer	N9010A	Agilent	MY54200207	2014/10/9	2015/10/8

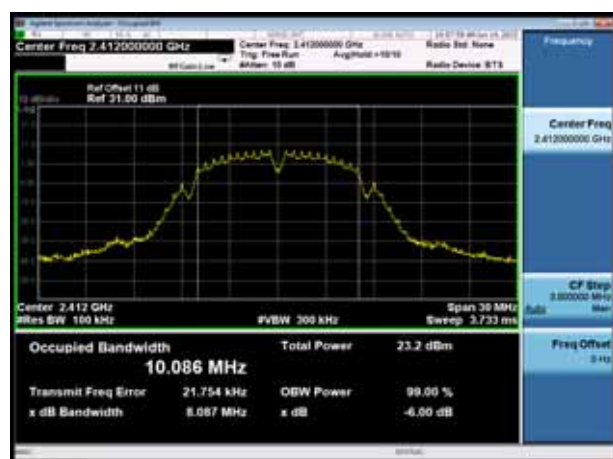


6.5 Test Result and Data

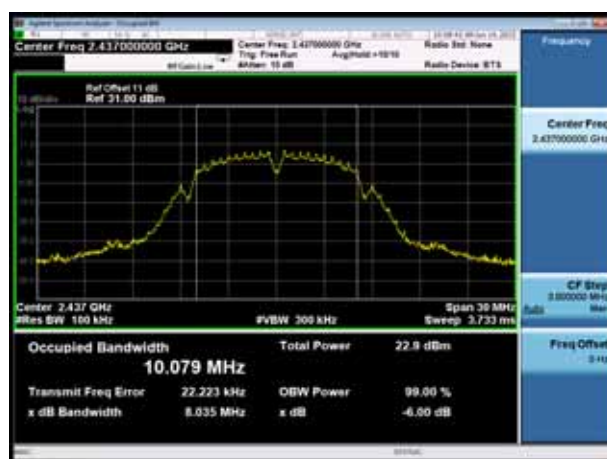
Test Item	Occupied Bandwidth
Test Mode	Transmit by 802.11b (Antenna 0)
Test Date	2015-06-14

Channel No.	Frequency (MHz)	Measurement Level (MHz)	99% Occupied Bandwidth (kHz)	Result
01	2412	8.087	10068	Pass
06	2437	8.035	10079	Pass
11	2462	8.028	10087	Pass

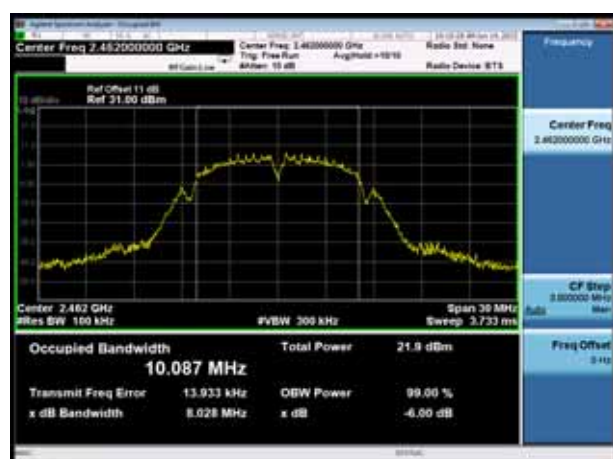
Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel11(2462MHz)

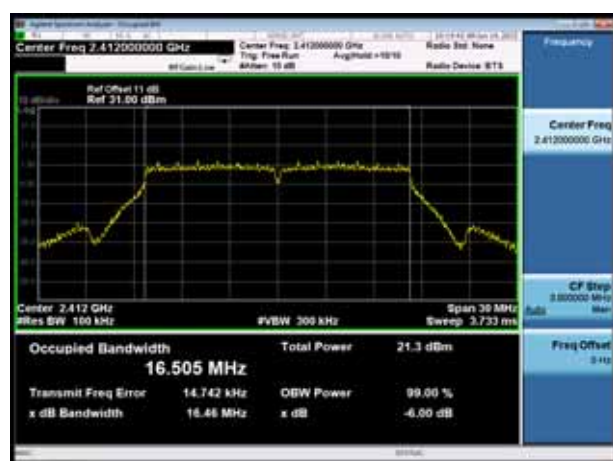




Test Item	Occupied Bandwidth
Test Mode	Transmit by 802.11g (Antenna 0)
Test Date	2015-06-14

Channel No.	Frequency (MHz)	Measurement Level (MHz)	99% Occupied Bandwidth (kHz)	Result
01	2412	16.460	16505	Pass
06	2437	16.470	16525	Pass
11	2462	16.540	16518	Pass

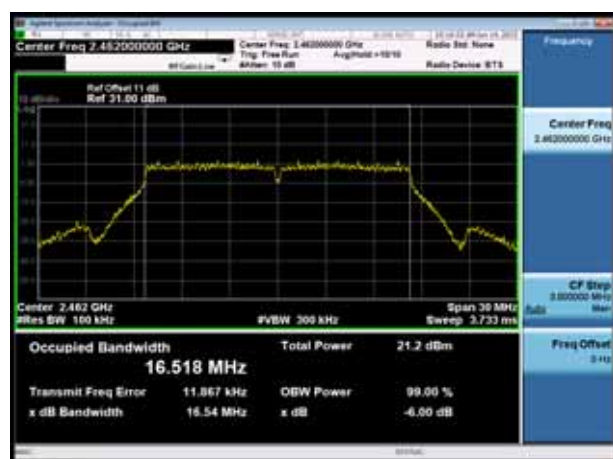
Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel11(2462MHz)

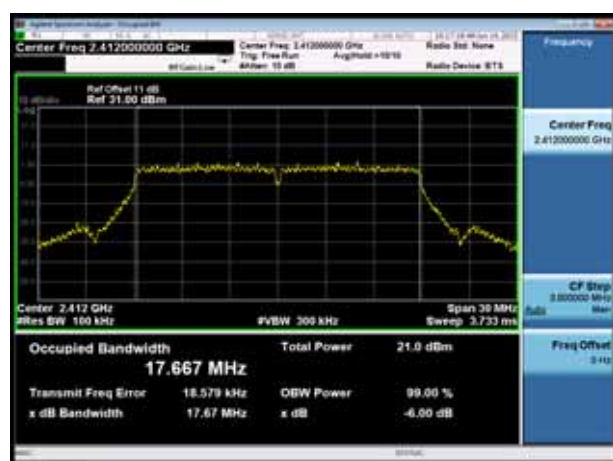




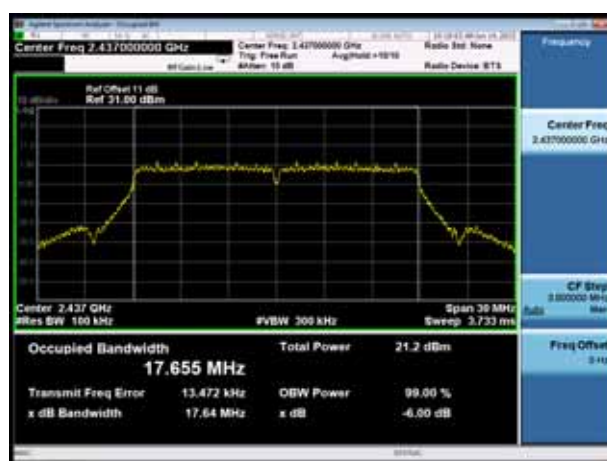
Test Item	Occupied Bandwidth
Test Mode	Transmit by 802.11n (20MHz) (Antenna 0)
Test Date	2015-06-14

Channel No.	Frequency (MHz)	Measurement Level (MHz)	99% Occupied Bandwidth (kHz)	Result
01	2412	17.670	17667	Pass
06	2437	17.640	17655	Pass
11	2462	17.640	17624	Pass

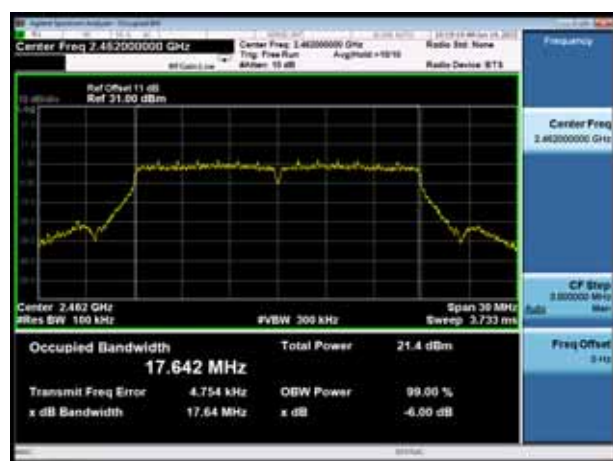
Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel11(2462MHz)

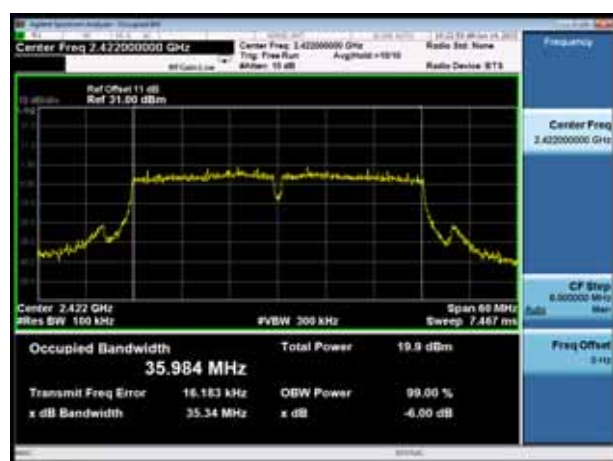




Test Item	Occupied Bandwidth
Test Mode	Transmit by 802.11n (40MHz) (Antenna 0)
Test Date	2015-06-14

Channel No.	Frequency (MHz)	Measurement Level (MHz)	99% Occupied Bandwidth (kHz)	Result
03	2422	35.340	35984	Pass
06	2437	35.910	35927	Pass
09	2452	35.460	35959	Pass

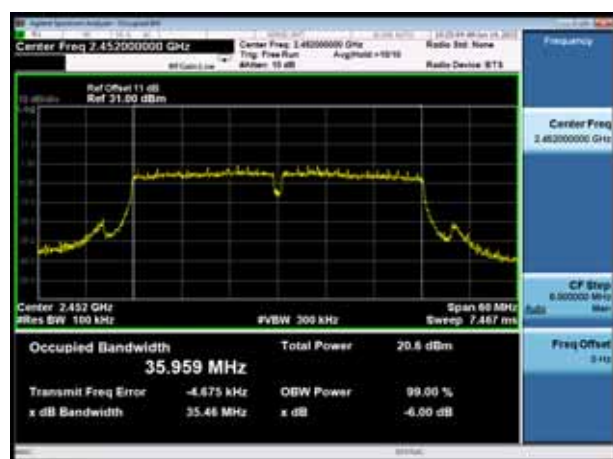
Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)

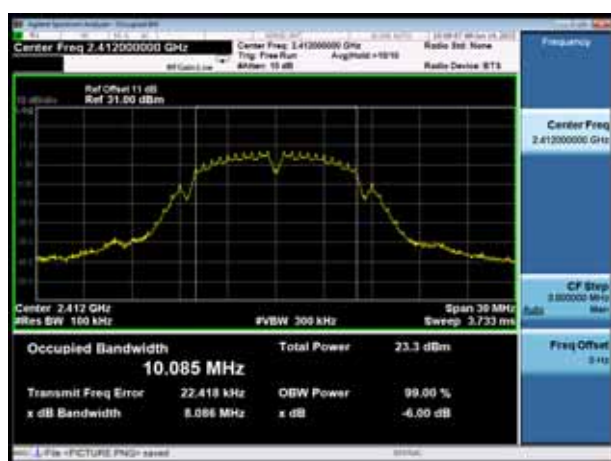




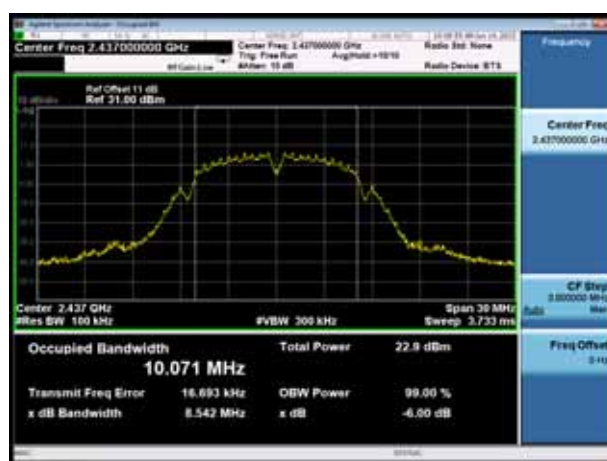
Test Item	Occupied Bandwidth
Test Mode	Transmit by 802.11b (Antenna 1)
Test Date	2015-06-14

Channel No.	Frequency (MHz)	Measurement Level (MHz)	99% Occupied Bandwidth (kHz)	Result
01	2412	8.086	10085	Pass
06	2437	8.542	10071	Pass
11	2462	8.079	10098	Pass

Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel11(2462MHz)

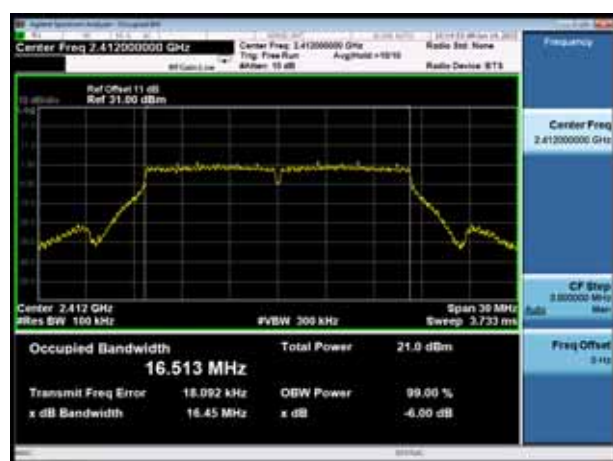




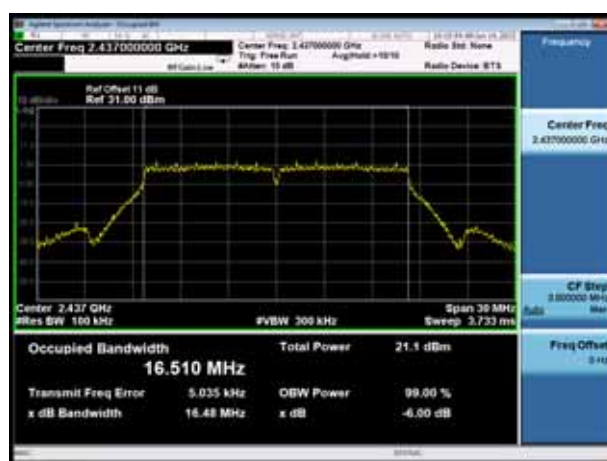
Test Item	Occupied Bandwidth
Test Mode	Transmit by 802.11g (Antenna 1)
Test Date	2015-06-14

Channel No.	Frequency (MHz)	Measurement Level (MHz)	99% Occupied Bandwidth (kHz)	Result
01	2412	16.450	16513	Pass
06	2437	16.480	16510	Pass
11	2462	16.420	16505	Pass

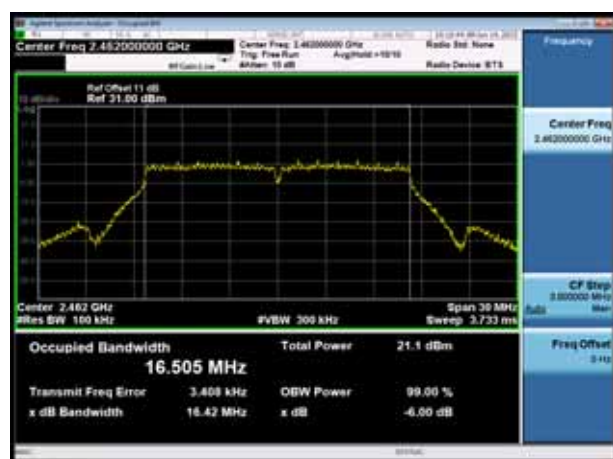
Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel11(2462MHz)

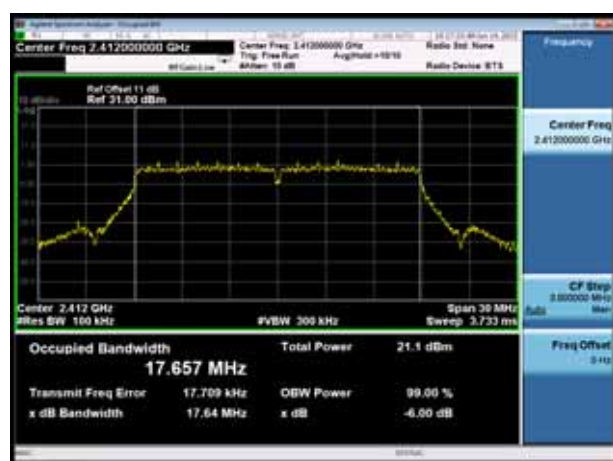




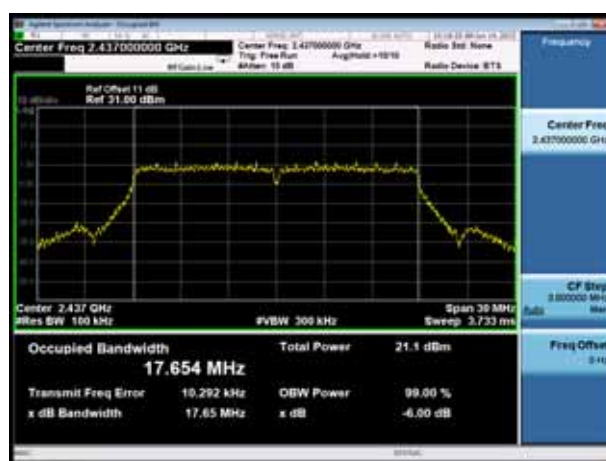
Test Item	Occupied Bandwidth
Test Mode	Transmit by 802.11n (20MHz) (Antenna 1)
Test Date	2015-06-14

Channel No.	Frequency (MHz)	Measurement Level (MHz)	99% Occupied Bandwidth (kHz)	Result
01	2412	17.640	17657	Pass
06	2437	17.650	17654	Pass
11	2462	17.640	17660	Pass

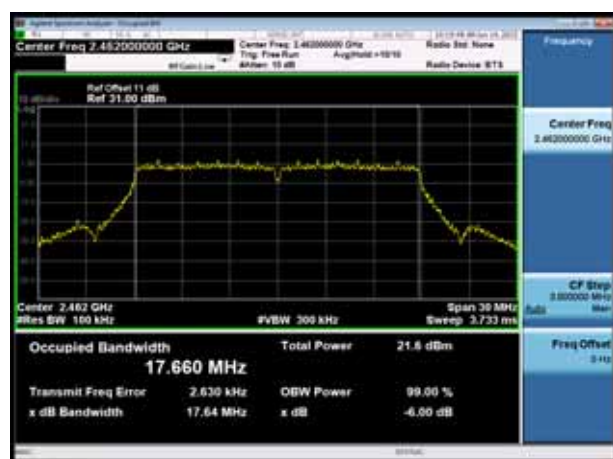
Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel11(2462MHz)

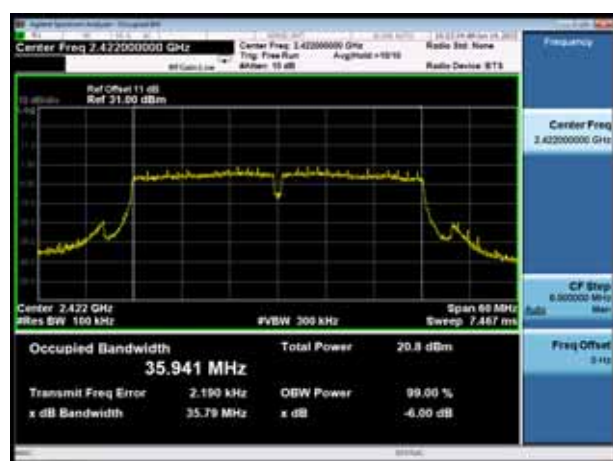




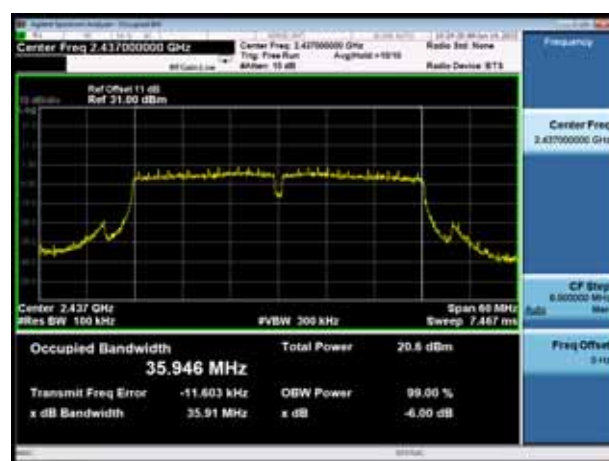
Test Item	Occupied Bandwidth
Test Mode	Transmit by 802.11n (40MHz) (Antenna 1)
Test Date	2015-06-14

Channel No.	Frequency (MHz)	Measurement Level (MHz)	99% Occupied Bandwidth (kHz)	Result
03	2422	35.790	35941	Pass
06	2437	35.910	35946	Pass
09	2452	35.910	35940	Pass

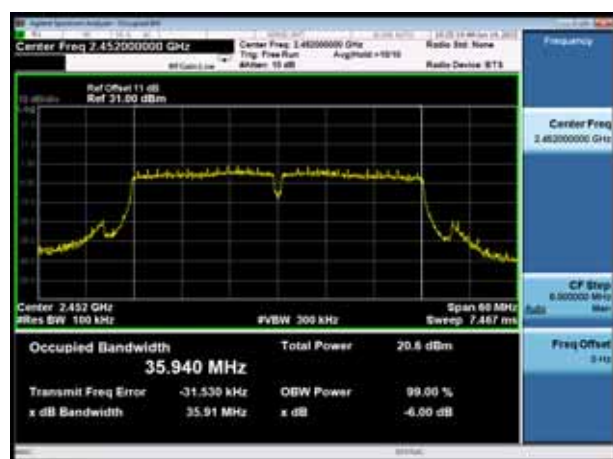
Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)





7. Maximum Output Power

7.1 Test Limit

The maximum power shall be less 1Watt (30dBm).

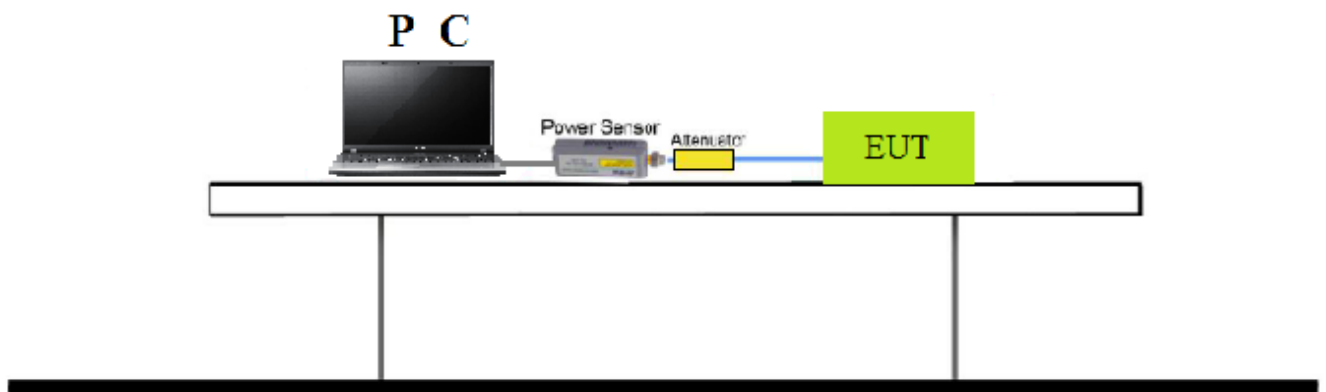
The conducted output power limits specified in §15.247(b) are based on the use of transmit antennae with directional gains that do not exceed 6 dBi. If transmit antennae with an effective directional gain greater than 6 dBi are used, then the conducted output power from the EUT shall be reduced as specified in §15.247(b) and (c).

Per RSS247 Issue 1 Section 5.4(4), for DTSs employing digital modulation techniques operating in the bands 902-928 MHz and 2400-2483.5 MHz, the maximum conducted output power shall not exceed 1W.

7.2 Test Procedure

The EUT was tested according to DTS test procedure of KDB 558074 for compliance to FCC 47CFR 15.247 requirements. The maximum conducted AVG output power using KDB 558074 D01v03r03 - Section 9.2.3.2 AVGPM-G Average Power Method.

7.3 Test Setup Layout



7.4 Measurement Equipment

Instrument	Manufacturer	Type No.	Serial No.	Calibration Date	Valid Date.
PC	Lenovo	E40-70	MP078UQV	N/A	N/A
POWER SENSOR	Agilent	U2021XA	MY53260020	2015/03/27	2016/03/26
Temperature/Humidity Meter	Zhicheng	ZC1-11	CEP-TH-003	2015.03.31	2016.03.30



7.5 Test Result and Data

Power output test was verified over all data rates of each mode shown as below, and then choose the maximum power output (blue marker) for final test of each channel.

MCS Index for 802.11n	Spatial Streams	Data Rate(Mbps)					
		802.11b	802.11g	20MHz Bandwidth		40MHz Bandwidth	
				800ns GI	400ns GI	800ns GI	400ns GI
0	1	1	6	6.5	7.2	13.5	15.0
1	1	2	9	13.0	14.4	27.0	30.0
2	1	5.5	12	19.5	21.7	40.5	45.0
3	1	11	18	26.0	28.9	54.0	60.0
4	1	--	24	39.0	43.3	81.0	90.0
5	1	--	36	52.0	57.8	108.0	120.0
6	1	--	48	58.5	65.0	121.5	135.0
7	1	--	54	65.0	72.2	135.0	150.0
8	2	--	--	13.0	14.4	27.0	30.0
9	2	--	--	26.0	28.9	54.0	60.0
10	2	--	--	39.0	43.3	81.0	90.0
11	2	--	--	52.0	57.8	108.0	120.0
12	2	--	--	78.0	86.7	162.0	180.0
13	2	--	--	104.0	115.6	216.0	240.0
14	2	--	--	117.0	130.0	243.0	270.0
15	2	--	--	130.0	144.0	270.0	300.0



Test Item	Maximum Average Output Power
Test Mode	Transmit by 802.11b (Antenna 0)
Test Date	2015-06-12

Channel No.	Frequency (MHz)	Average Power (dBm)	Required Limit (dBm)	Result
01	2412	24.46	30	Pass
06	2437	24.46	30	Pass
11	2462	24.47	30	Pass

Test Item	Maximum Average Output Power
Test Mode	Transmit by 802.11g (Antenna 0)
Test Date	2015-06-12

Channel No.	Frequency (MHz)	Average Power (dBm)	Required Limit (dBm)	Result
01	2412	20.68	30	Pass
06	2437	23.40	30	Pass
11	2462	20.58	30	Pass

Test Item	Maximum Average Output Power
Test Mode	Transmit by 802.11n (20MHz) (Antenna 0)
Test Date	2015-06-12

Channel No.	Frequency (MHz)	Average Power (dBm)	Required Limit (dBm)	Result
01	2412	19.92	30	Pass
06	2437	22.58	30	Pass
11	2462	19.82	30	Pass



Test Item	Maximum Average Output Power
Test Mode	Transmit by 802.11n (40MHz) (Antenna 0)
Test Date	2015-06-12

Channel No.	Frequency (MHz)	Average Power (dBm)	Required Limit (dBm)	Result
03	2422	17.62	30	Pass
06	2437	22.59	30	Pass
09	2452	20.53	30	Pass

Test Item	Maximum Average Output Power
Test Mode	Transmit by 802.11b (Antenna 1)
Test Date	2015-06-12

Channel No.	Frequency (MHz)	Average Power (dBm)	Required Limit (dBm)	Result
01	2412	24.26	30	Pass
06	2437	24.05	30	Pass
11	2462	24.10	30	Pass

Test Item	Maximum Average Output Power
Test Mode	Transmit by 802.11g (Antenna 1)
Test Date	2015-06-12

Channel No.	Frequency (MHz)	Average Power (dBm)	Required Limit (dBm)	Result
01	2412	20.62	30	Pass
06	2437	23.19	30	Pass
11	2462	20.33	30	Pass



Test Item	Maximum Average Output Power
Test Mode	Transmit by 802.11n (20MHz) (Antenna 1)
Test Date	2015-06-12

Channel No.	Frequency (MHz)	Average Power (dBm)	Required Limit (dBm)	Result
01	2412	20.08	30	Pass
06	2437	22.41	30	Pass
11	2462	20.00	30	Pass

Test Item	Maximum Average Output Power
Test Mode	Transmit by 802.11n (40MHz) (Antenna 1)
Test Date	2015-06-12

Channel No.	Frequency (MHz)	Average Power (dBm)	Required Limit (dBm)	Result
03	2422	15.03	30	Pass
06	2437	22.60	30	Pass
09	2452	17.99	30	Pass

Test Item	Maximum Average Output Power
Test Mode	Transmit by 802.11n (20MHz) (Antenna 0+1)
Test Date	2015-06-12

Channel No.	Frequency (MHz)	Average Power (dBm)		Total Average Power (dBm)	Required Limit (dBm)	Result
		Ant 0	Ant 1			
01	2412	18.05	18.10	21.09	30	Pass
06	2437	22.32	22.26	25.30	30	Pass
11	2462	20.59	19.93	23.28	30	Pass



Test Item	Maximum Average Output Power
Test Mode	Transmit by 802.11n (40MHz) (Antenna 0+1)
Test Date	2015-06-12

Channel No.	Frequency (MHz)	Average Power (dBm)		Total Average Power (dBm)	Required Limit (dBm)	Result
		Ant 0	Ant 1			
03	2422	13.24	15.46	17.50	30	Pass
06	2437	22.60	23.14	25.89	30	Pass
09	2452	19.14	20.22	22.72	30	Pass



8. Band Edges Measurement

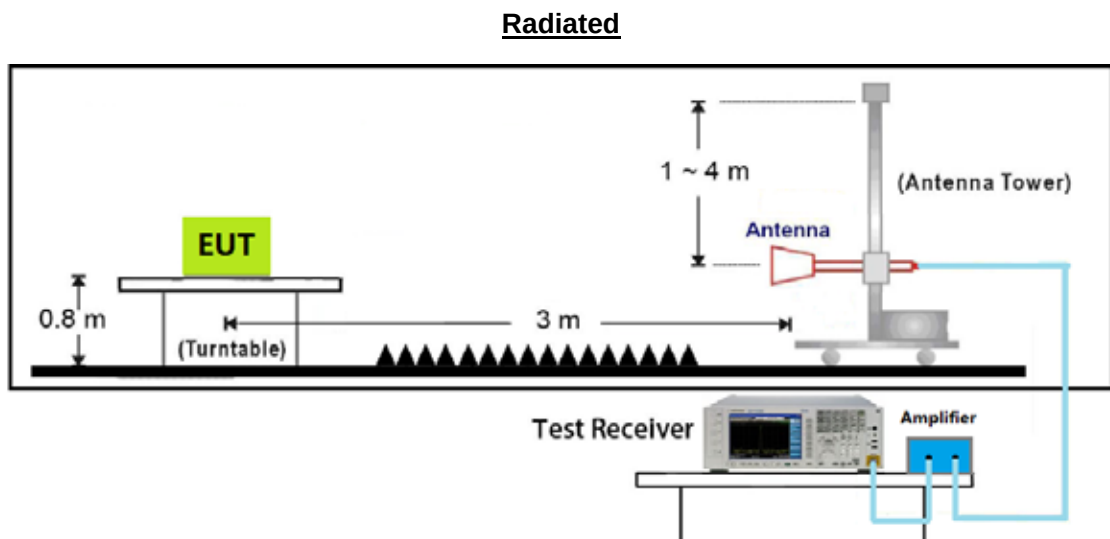
8.1 Test Limit

Below -20dB of the highest emission level of operating band (In 100 kHz Resolution Bandwidth)

8.2 Test Procedure

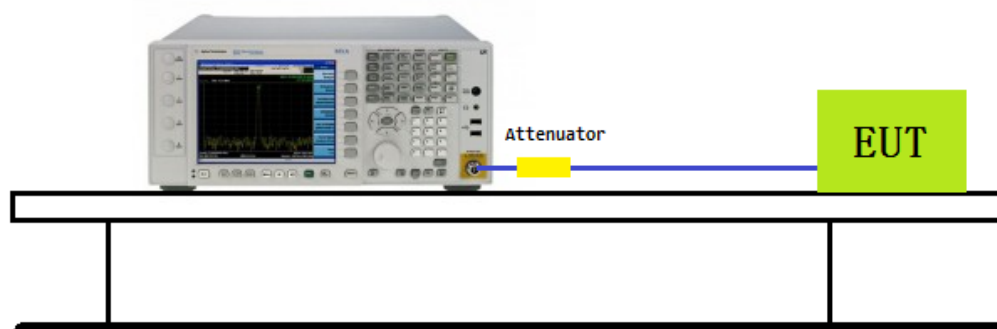
- The transmitter output was connected to the spectrum analyzer via a low lose cable.
- Set RBW of spectrum analyzer to 100 KHz and VBW of spectrum analyzer to 300 KHz with convenient frequency span including 100 KHz bandwidth from band edge.
- The band edges was measured and recorded.

8.3 Test Setup Layout



Conducted

Spectrum Analyzer



**8.4 Measurement Equipment**

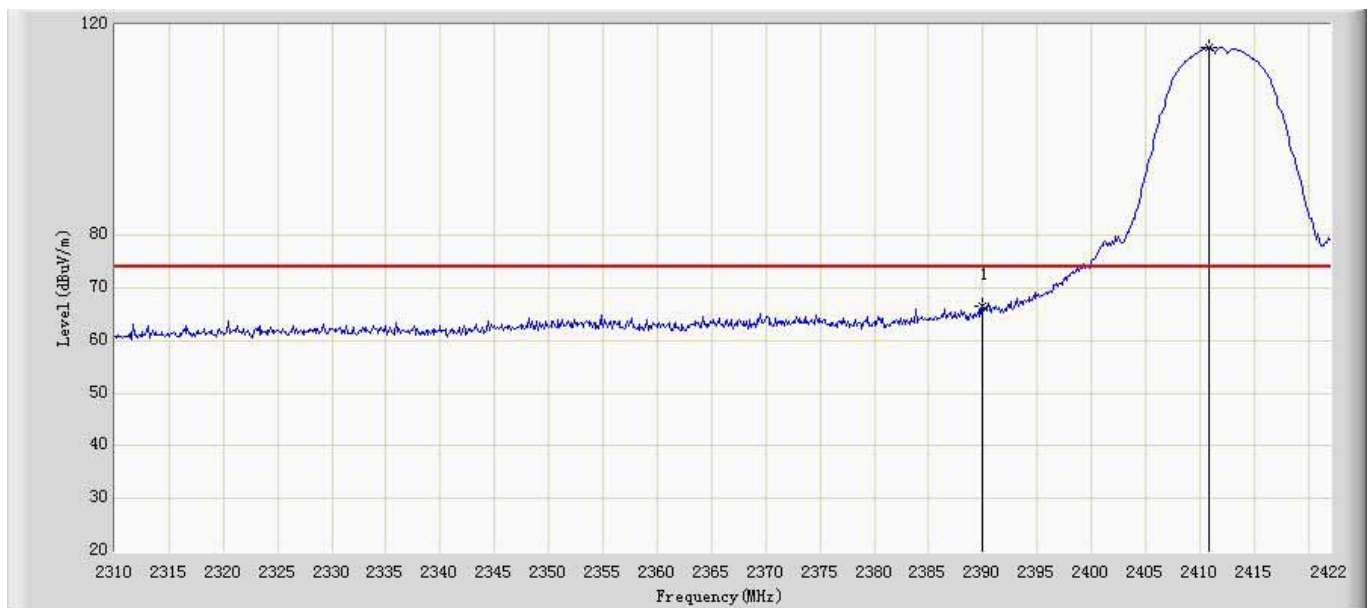
Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date.
EMI Test Receiver	R&S	ESCI	100563	2015.02.10	2016.02.09
H64 Preamplifier	HP	8447F	3113A05582	2015.03.24	2016.03.23
Preamplifier	Agilent	8449B	3008A02342	2015.03.24	2016.03.23
Ultra Broadband Antenna	R&S	HL562	100362	2015.05.24	2016.05.23
Broad-Band Horn Antenna	Schwarzbeck	BBHA9120D	9120D-619	2015.05.24	2016.05.23
Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	9170-348	2015.05.24	2016.05.23
Spectrum Analyzer	R&S	FSP40	100324	2015.03.23	2016.03.24
Spectrum Analyzer	N9010A	Agilent	MY54200207	2014.10.9	2015.10.8
Temperature/Humidity Meter	Zhicheng	ZC1-11	CEP-TH-002	2015.03.31	2016.03.30



Test Result and Data

Radiated

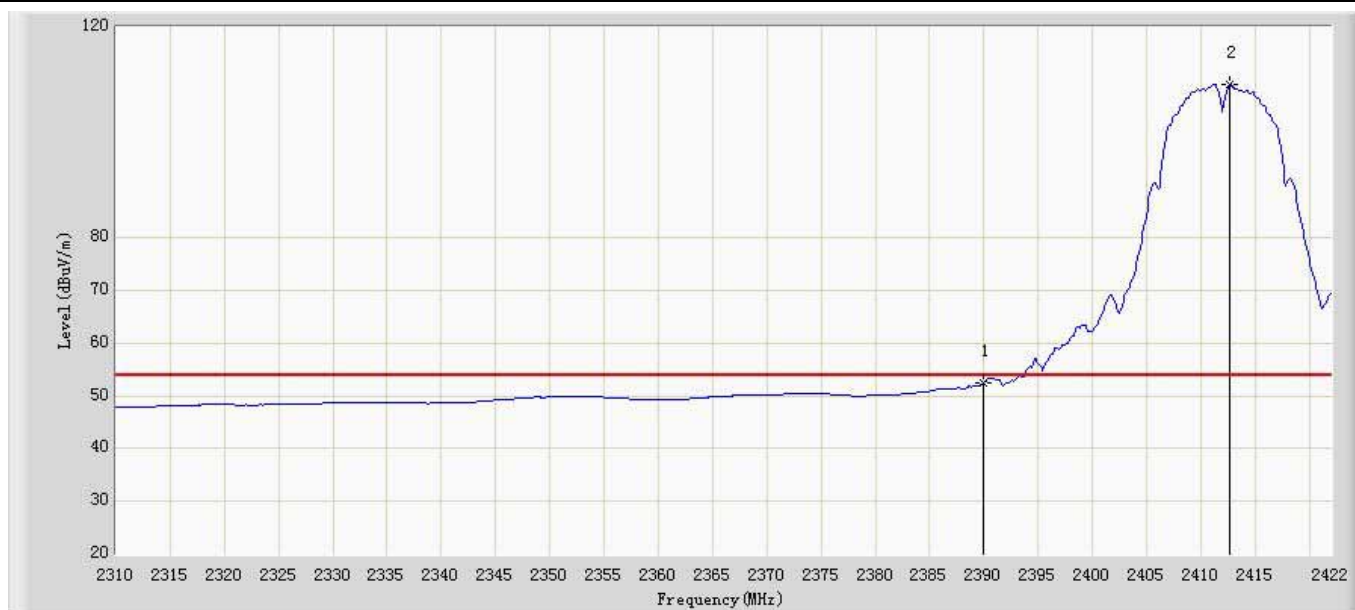
Site: AC102	Time: 2015/06/11 - 10:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode1: TX at channel 2412MHz by 802.11b Ant 0	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	66.534	35.499	-7.466	74.000	31.035	PK
2	*	2410.912	119.638	88.545	N/A	N/A	31.093	PK



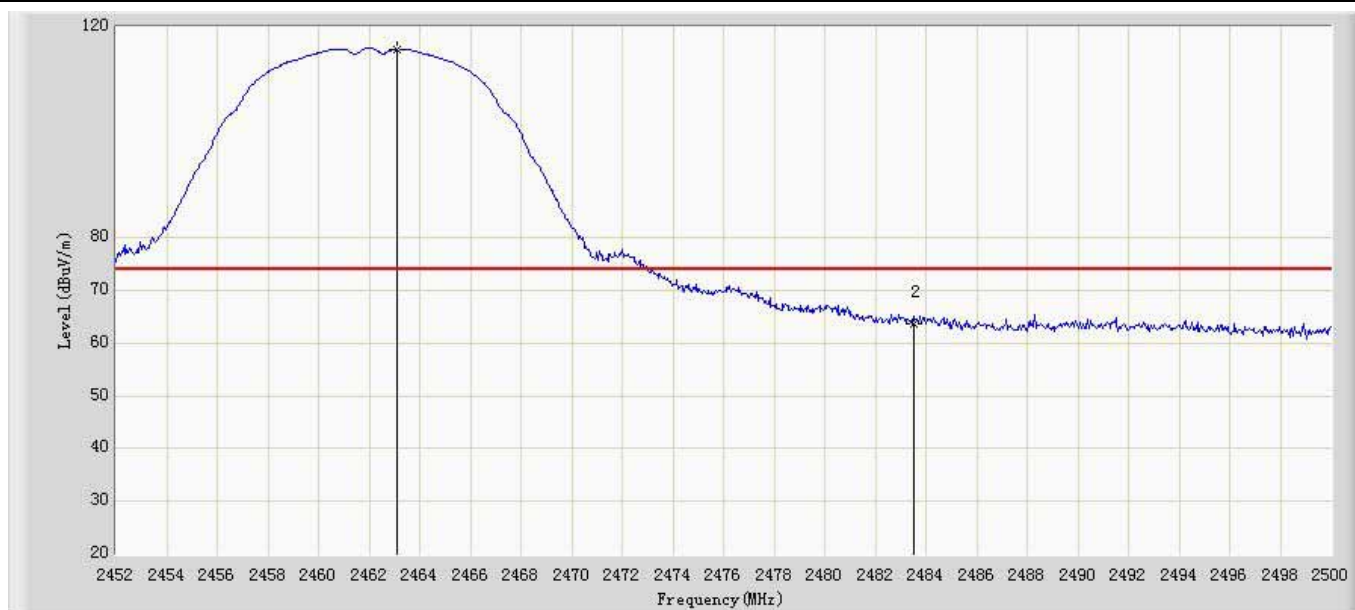
Site: AC102	Time: 2015/06/11 - 10:52
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode1: TX at channel 2412MHz by 802.11b Ant 0	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	52.504	21.469	-1.496	54.000	31.035	AV
2	*	2412.704	109.005	77.907	N/A	N/A	31.098	AV



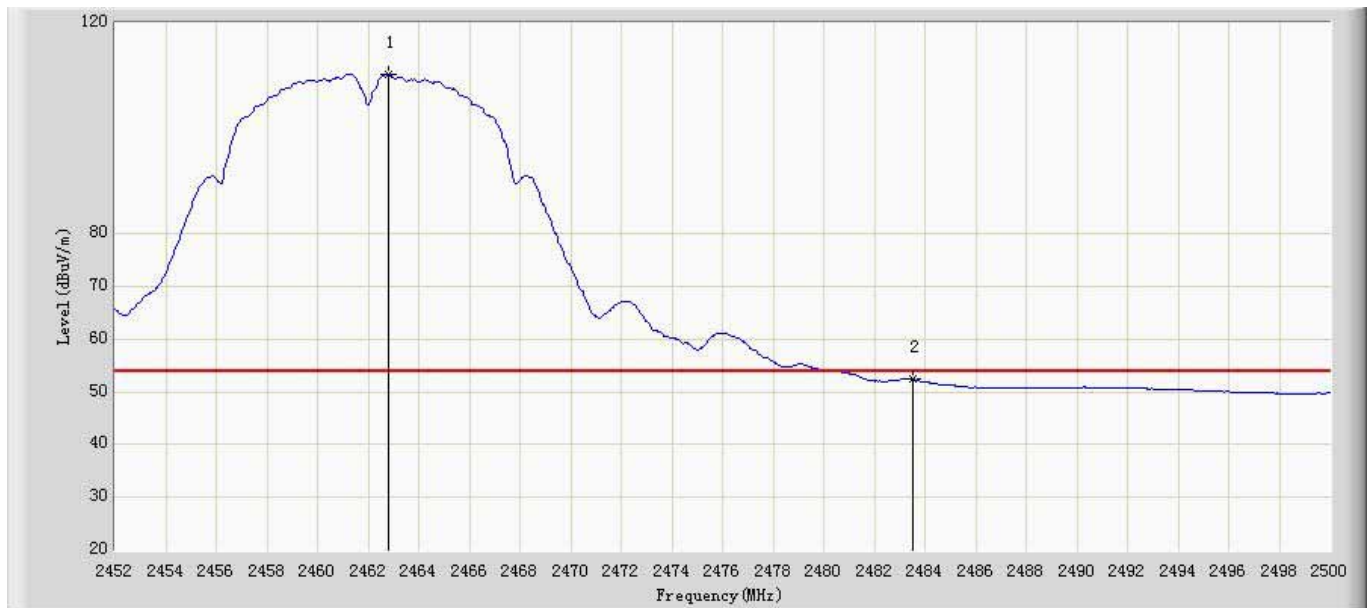
Site: AC102	Time: 2015/06/11 - 11:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode1: TX at channel 2462MHz by 802.11b Ant 0	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2463.088	119.826	88.589	N/A	N/A	31.237	PK
2		2483.500	63.802	32.507	-10.198	74.000	31.295	PK



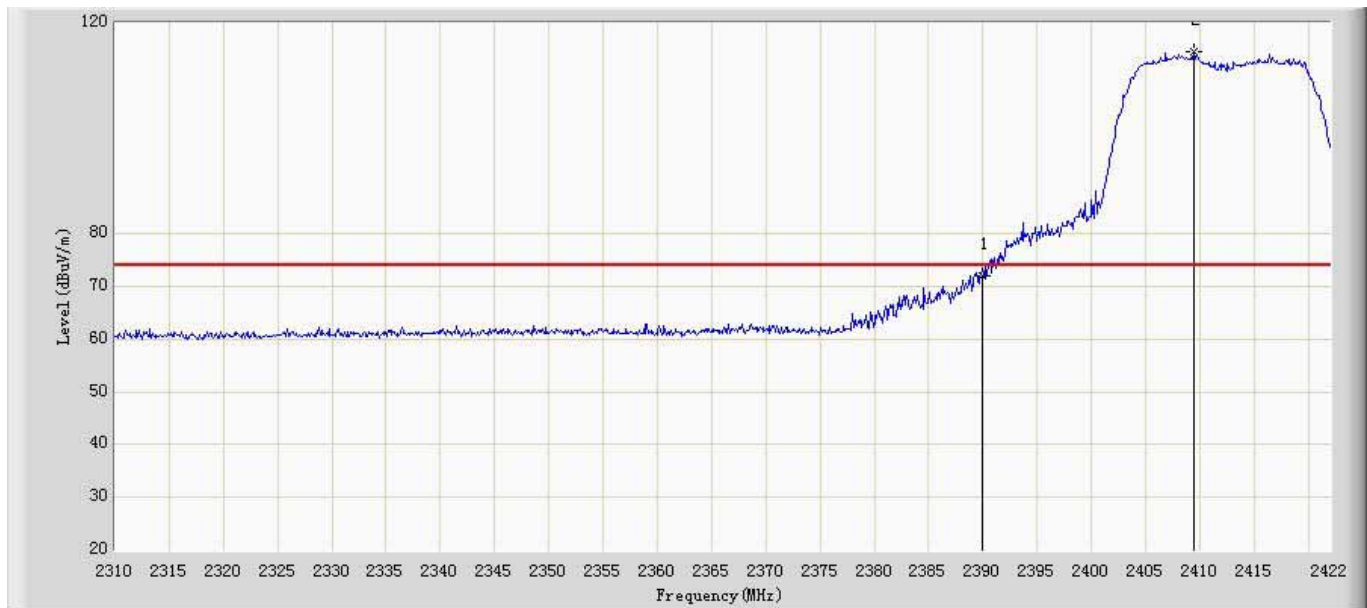
Site: AC102	Time: 2015/06/11 - 11:13
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode1: TX at channel 2462MHz by 802.11b Ant 0	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2462.800	110.293	79.057	N/A	N/A	31.236	AV
2		2483.500	52.464	21.169	-1.536	54.000	31.295	AV



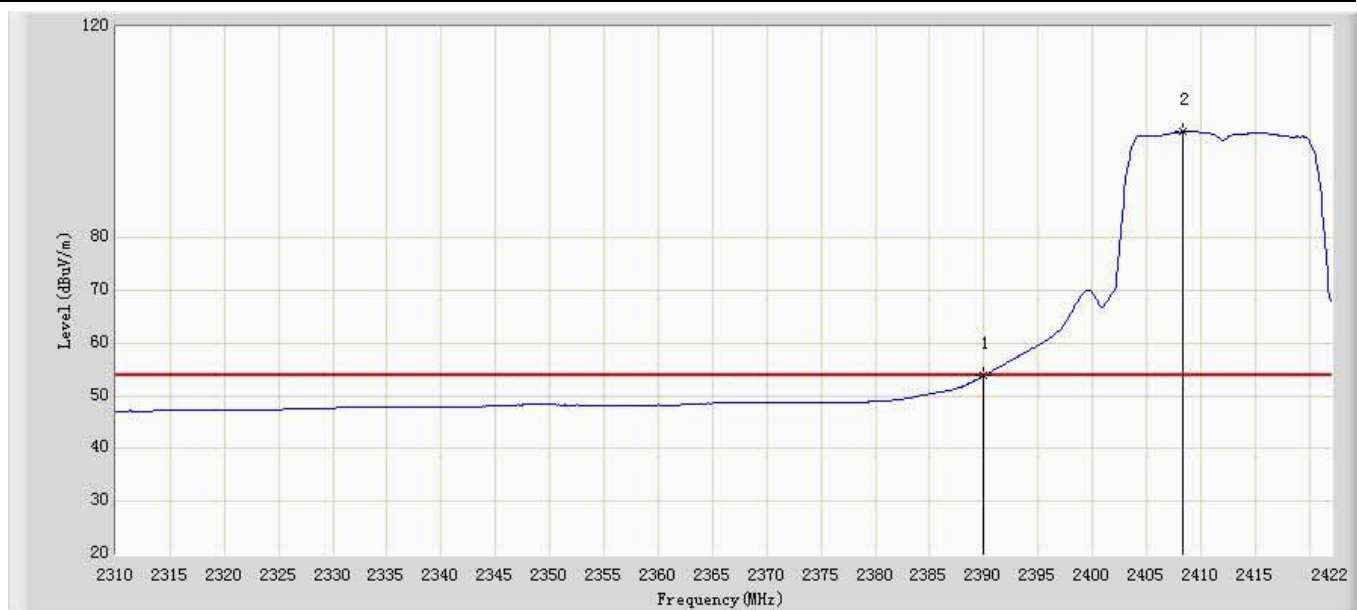
Site: AC102	Time: 2015/06/11 - 11:26
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode2: TX at channel 2412MHz by 802.11g Ant 0	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	71.901	40.866	-2.099	74.000	31.035	PK
2	*	2408.896	117.462	86.374	N/A	N/A	31.087	PK



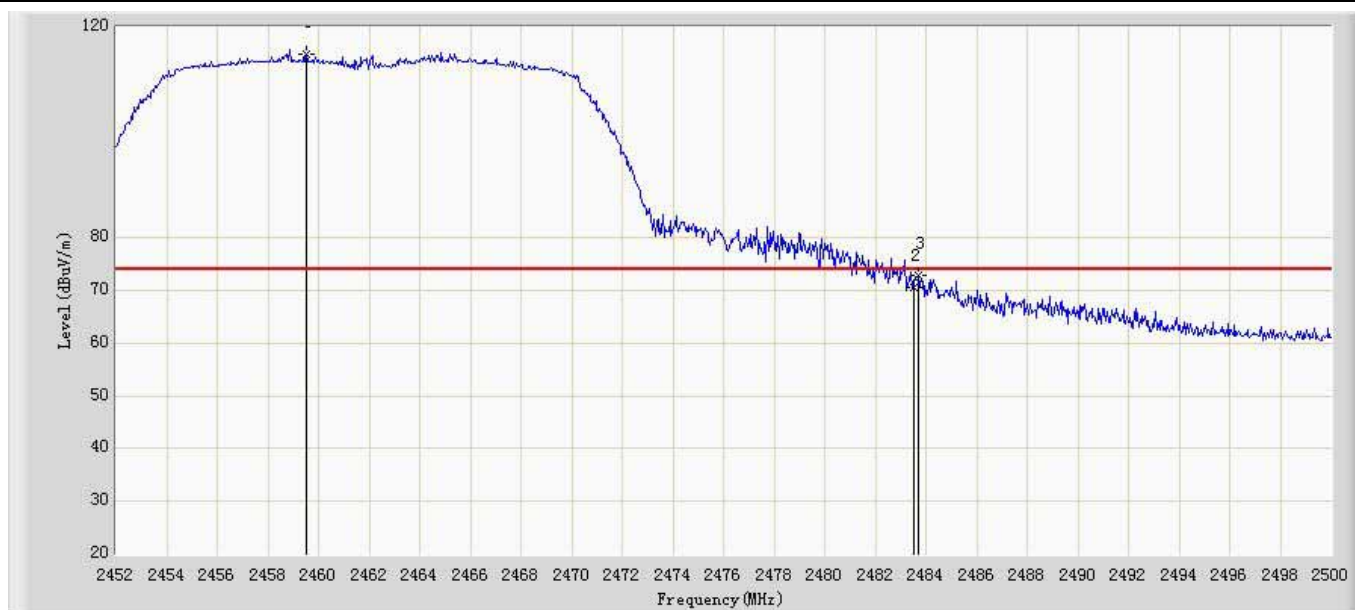
Site: AC102	Time: 2015/06/11 - 11:31
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode2: TX at channel 2412MHz by 802.11g Ant 0	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	53.848	22.813	-0.152	54.000	31.035	AV
2	*	2408.336	100.064	68.978	N/A	N/A	31.086	AV



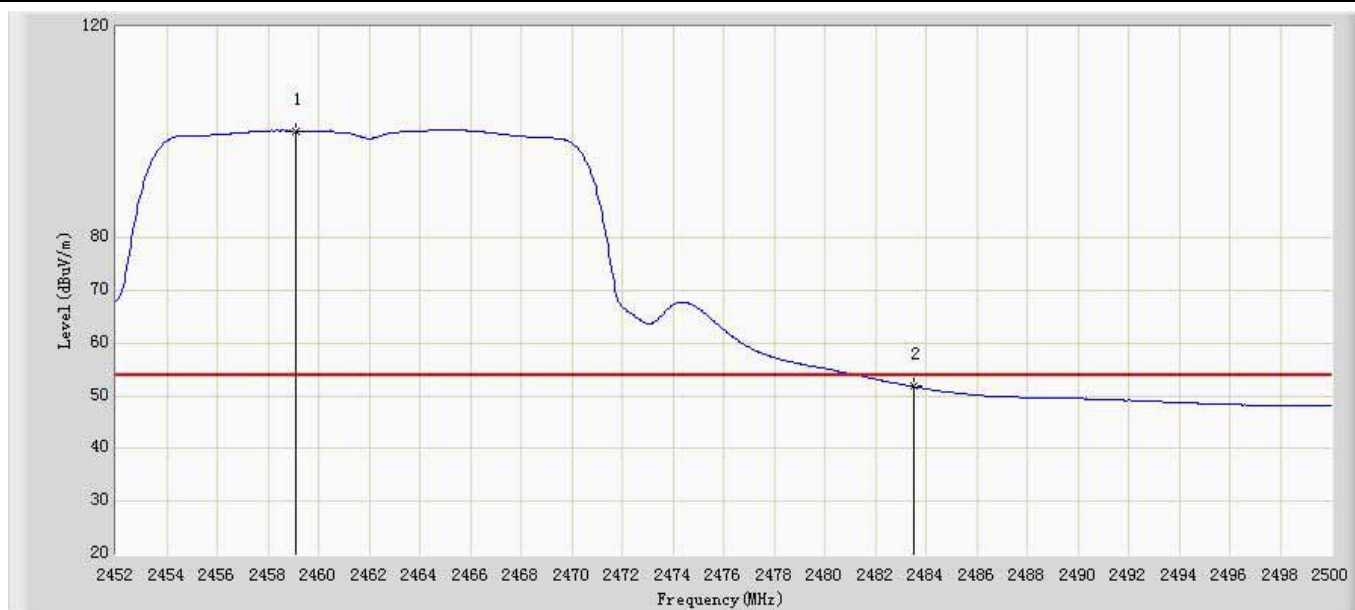
Site: AC102	Time: 2015/06/11 - 11:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode2: TX at channel 2462MHz by 802.11g Ant 0	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2459.536	118.880	87.653	N/A	N/A	31.228	PK
2		2483.500	70.613	39.318	-3.387	74.000	31.295	PK
3		2483.728	72.892	41.596	-1.108	74.000	31.296	PK



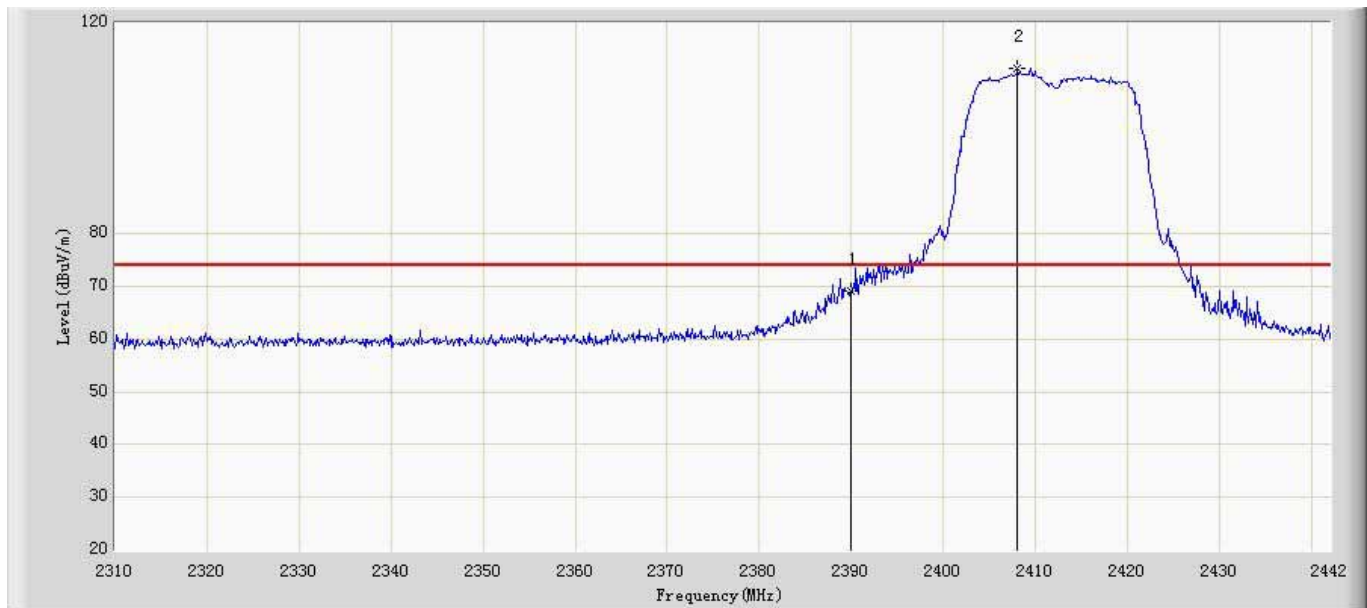
Site: AC102	Time: 2015/06/11 - 11:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode2: TX at channel 2462MHz by 802.11g Ant 0	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2459.104	100.307	69.081	N/A	N/A	31.226	AV
2		2483.500	51.756	20.461	-2.244	54.000	31.295	AV



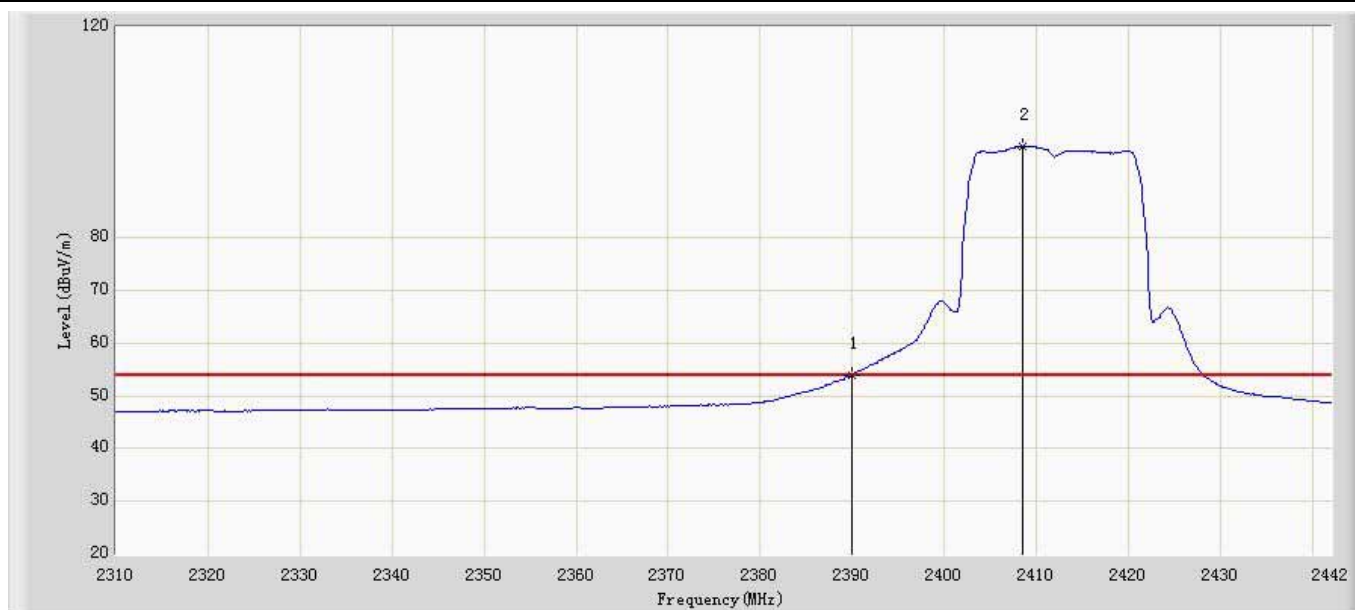
Site: AC102	Time: 2015/06/11 - 13:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode3: TX at channel 2412MHz by 802.11n20 Ant 0	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	69.164	38.129	-4.836	74.000	31.035	PK
2	*	2408.076	116.380	85.295	N/A	N/A	31.086	PK



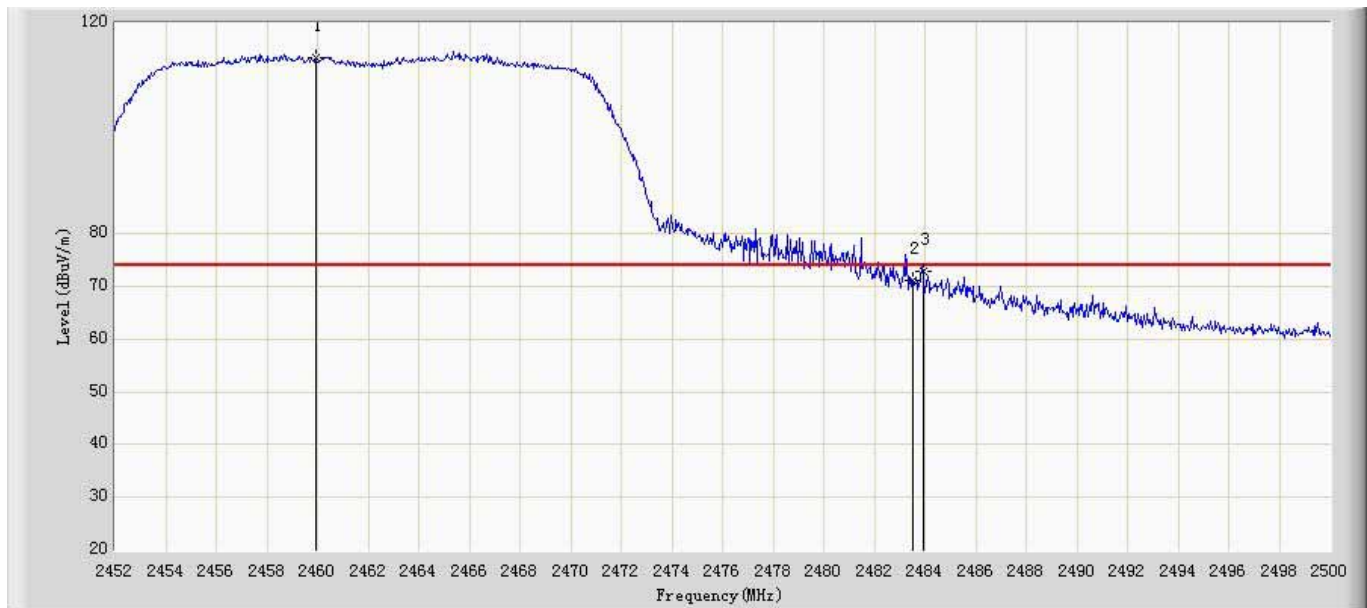
Site: AC102	Time: 2015/06/11 - 14:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode3: TX at channel 2412MHz by 802.11n20 Ant 0	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	53.989	22.954	-0.011	54.000	31.035	AV
2	*	2408.472	97.363	66.277	N/A	N/A	31.086	AV



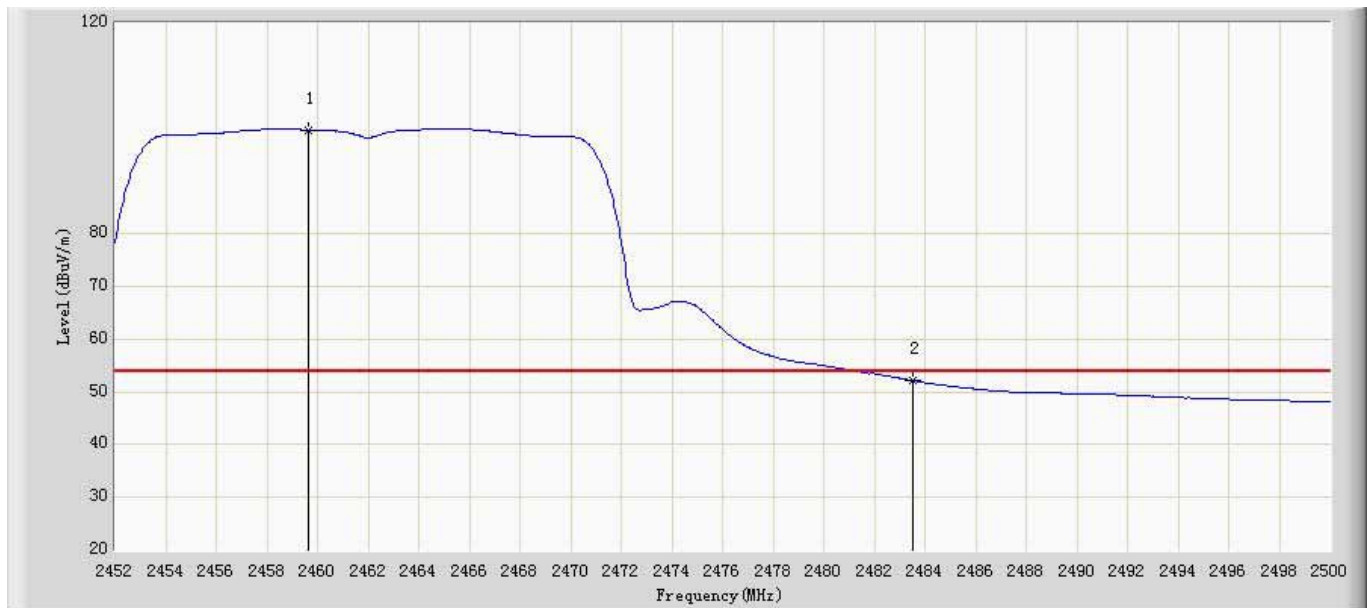
Site: AC102	Time: 2015/06/11 - 11:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode2: TX at channel 2462MHz by 802.11n20 Ant 0	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2459.920	116.427	85.199	N/A	N/A	31.228	PK
2		2483.500	71.150	39.855	-2.850	74.000	31.295	PK
3		2483.920	72.894	41.598	-1.106	74.000	31.296	PK



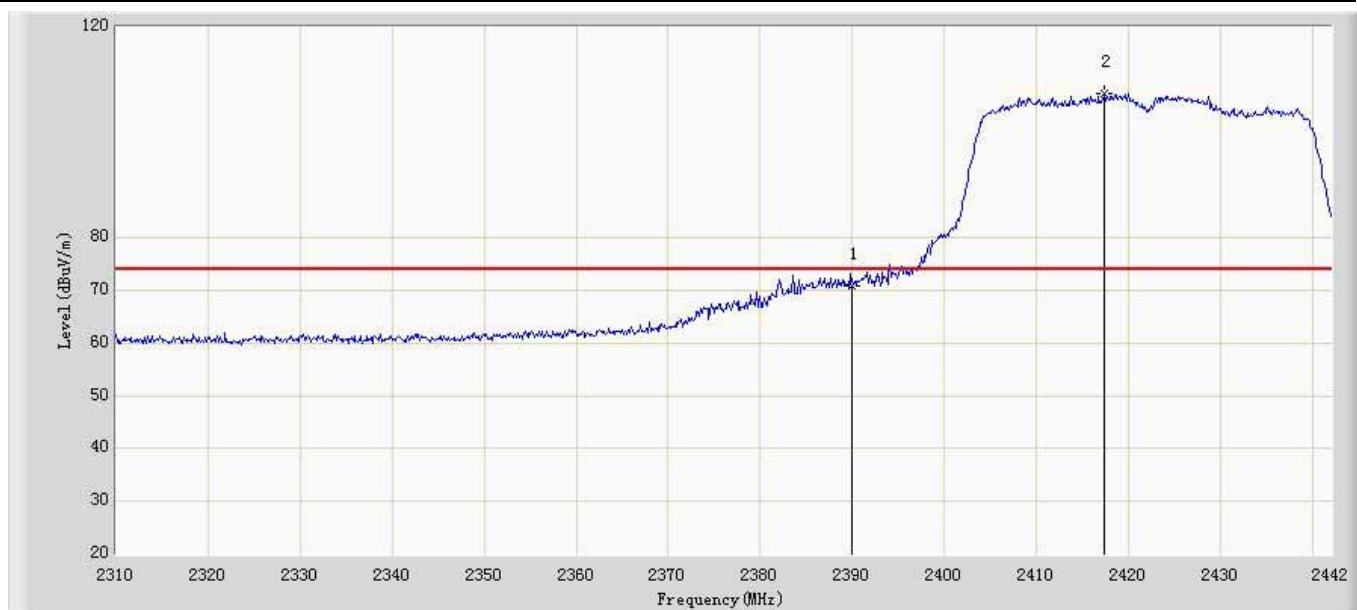
Site: AC102	Time: 2015/06/11 - 13:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode2: TX at channel 2462MHz by 802.11n20 Ant 0	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2459.632	99.716	68.489	N/A	N/A	31.228	AV
2		2483.500	52.205	20.910	-1.795	54.000	31.295	AV



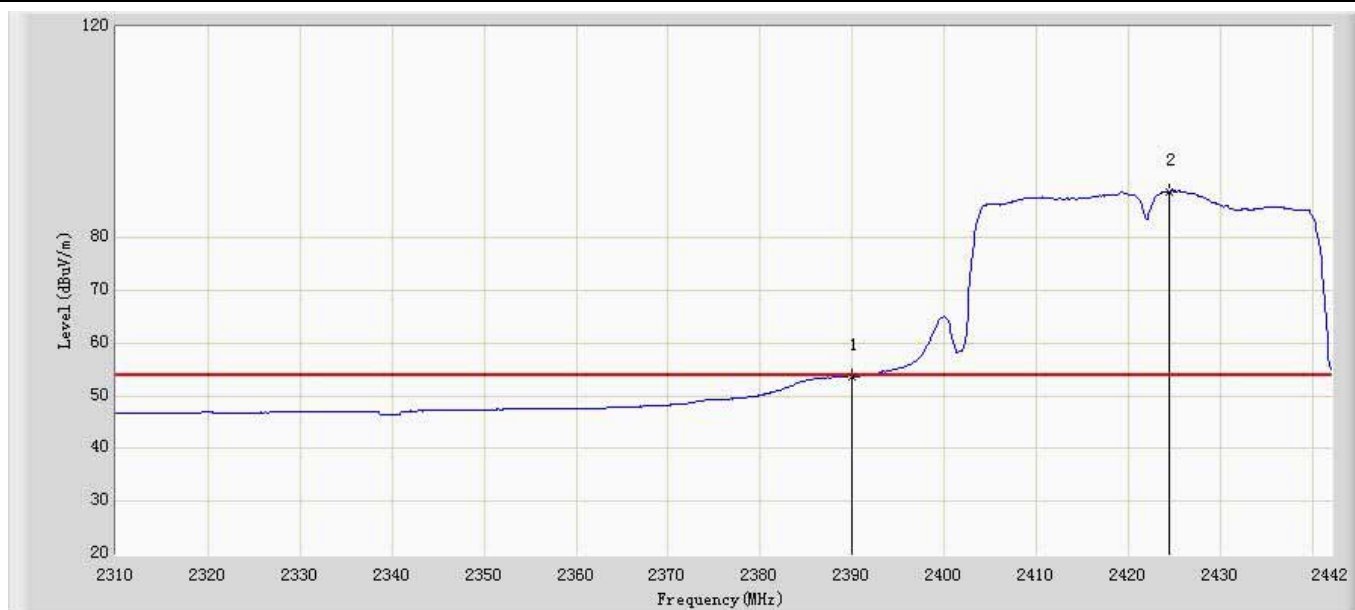
Site: AC102	Time: 2015/06/11 - 14:52
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2422MHz by 802.11n40 Ant 0	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	70.753	39.718	-3.247	74.000	31.035	PK
2	*	2417.448	113.230	82.120	N/A	N/A	31.110	PK



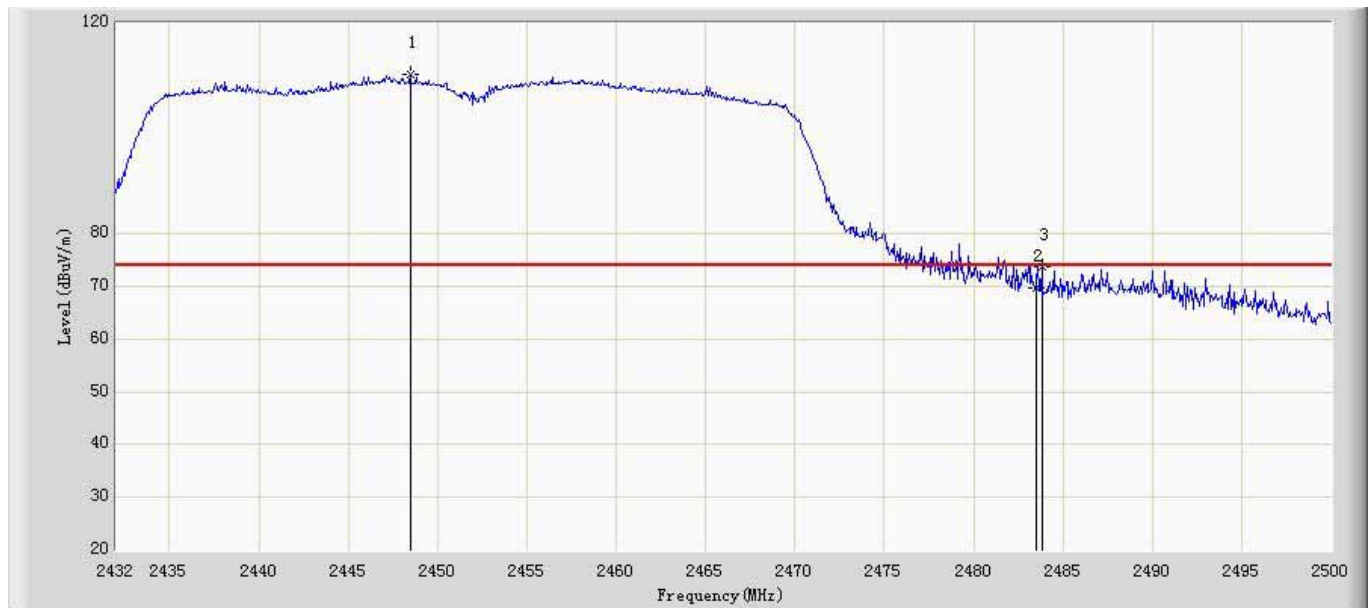
Site: AC102	Time: 2015/06/11 - 14:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2422MHz by 802.11n40 Ant 0	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	53.749	22.714	-0.251	54.000	31.035	AV
2	*	2424.444	88.791	57.662	N/A	N/A	31.129	AV



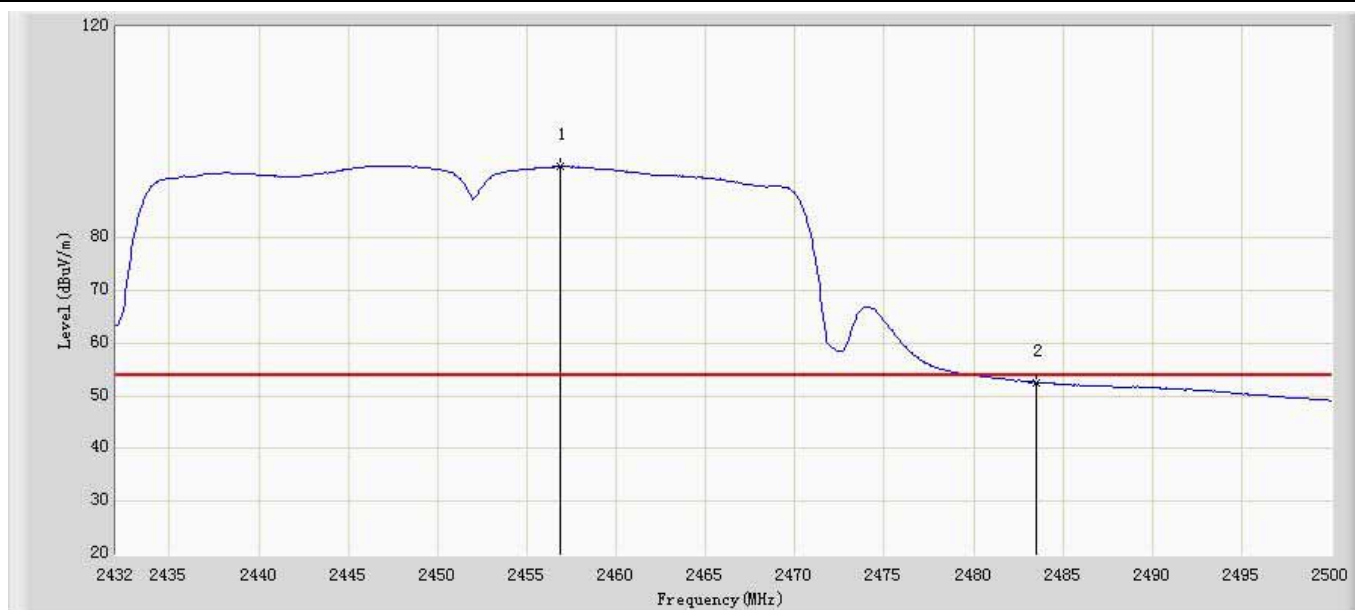
Site: AC102	Time: 2015/06/11 - 14:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2452MHz by 802.11n40 Ant 0	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2448.456	116.154	86.958	N/A	N/A	31.195	PK
2		2483.500	69.803	38.508	-4.197	74.000	31.295	PK
3		2483.816	73.772	42.476	-0.228	74.000	31.296	PK



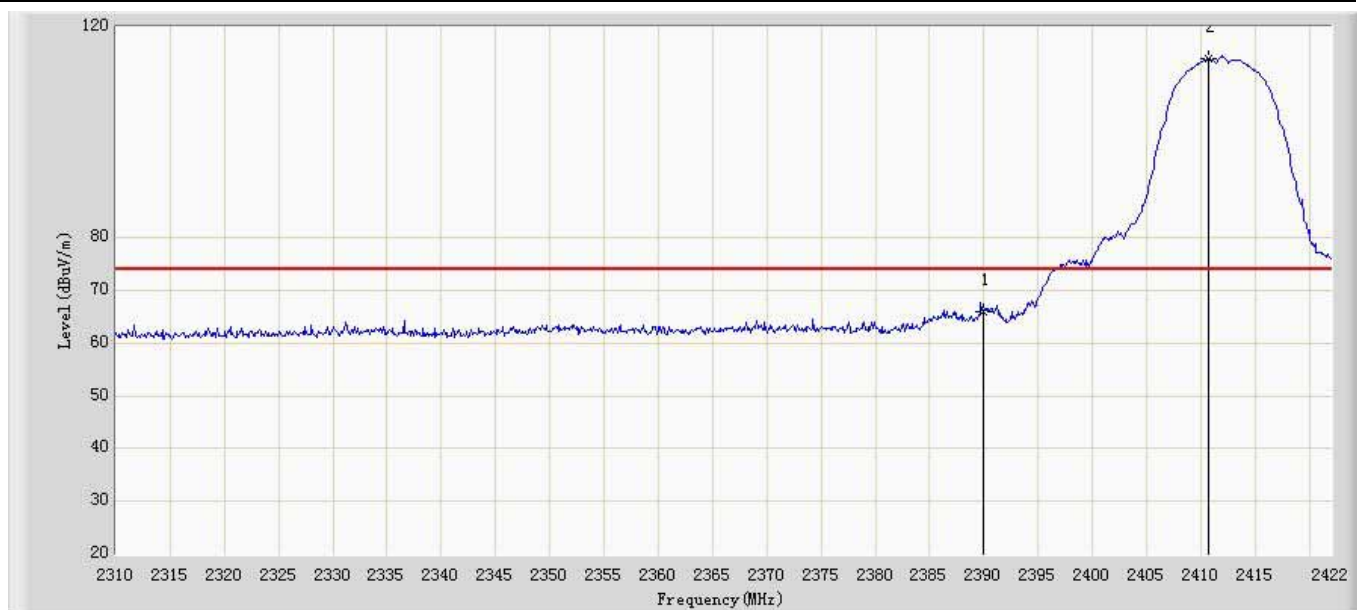
Site: AC102	Time: 2015/06/11 - 15:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2452MHz by 802.11n40 Ant 0	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2456.888	93.480	62.260	N/A	N/A	31.220	AV
2		2483.500	52.573	21.278	-1.427	54.000	31.295	AV



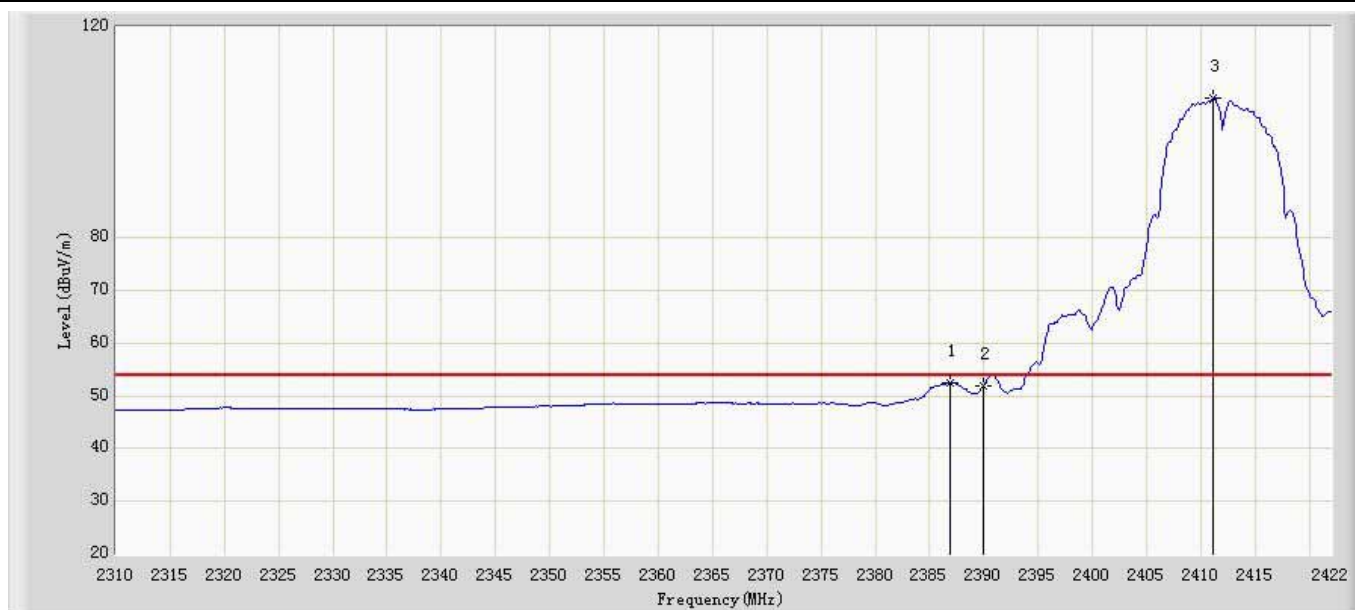
Site: AC102	Time: 2015/06/11 - 15:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode1: TX at channel 2412MHz by 802.11b Ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	66.043	35.008	-7.957	74.000	31.035	PK
2	*	2410.688	118.956	87.863	N/A	N/A	31.092	PK



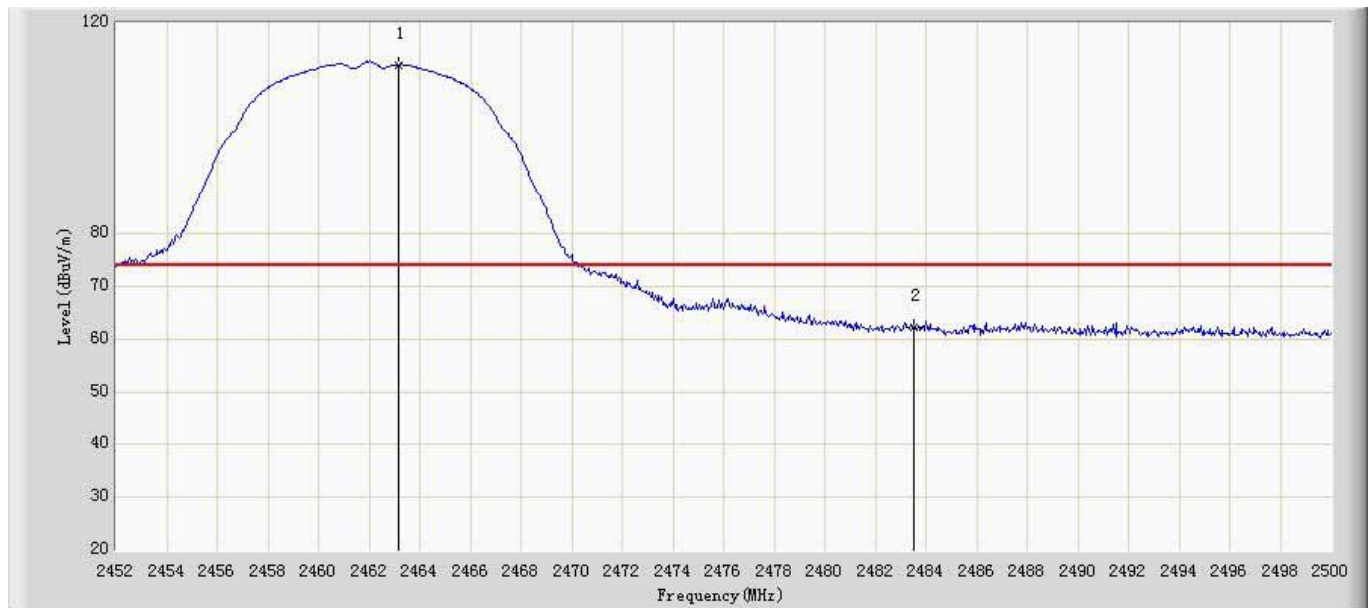
Site: AC102	Time: 2015/06/11 - 15:20
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode1: TX at channel 2412MHz by 802.11b Ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2386.944	52.599	21.573	-1.401	54.000	31.026	AV
2		2390.000	52.029	20.994	-1.971	54.000	31.035	AV
3	*	2411.136	106.355	75.261	N/A	N/A	31.094	AV



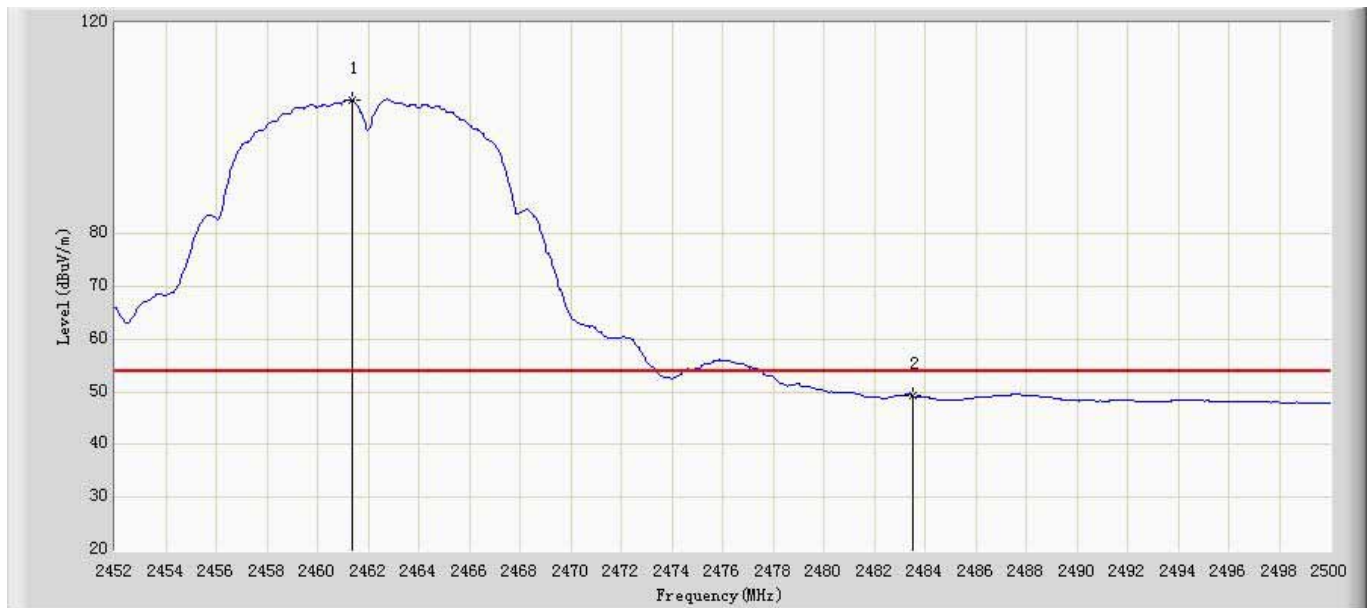
Site: AC102	Time: 2015/06/11 - 15:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode1: TX at channel 2462MHz by 802.11b Ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2463.184	118.088	86.851	N/A	N/A	31.237	PK
2		2483.500	62.278	30.983	-11.722	74.000	31.295	PK



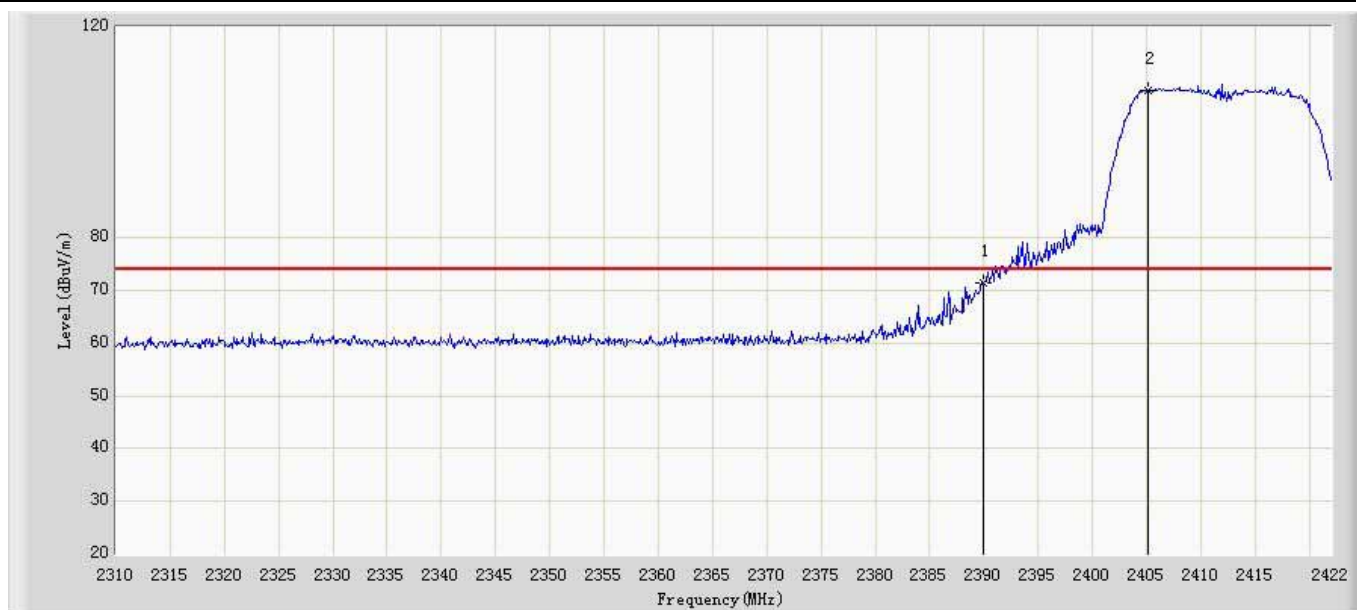
Site: AC102	Time: 2015/06/11 - 15:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode1: TX at channel 2462MHz by 802.11b Ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2461.360	105.374	74.142	N/A	N/A	31.232	AV
2		2483.500	49.285	17.990	-4.715	54.000	31.295	AV



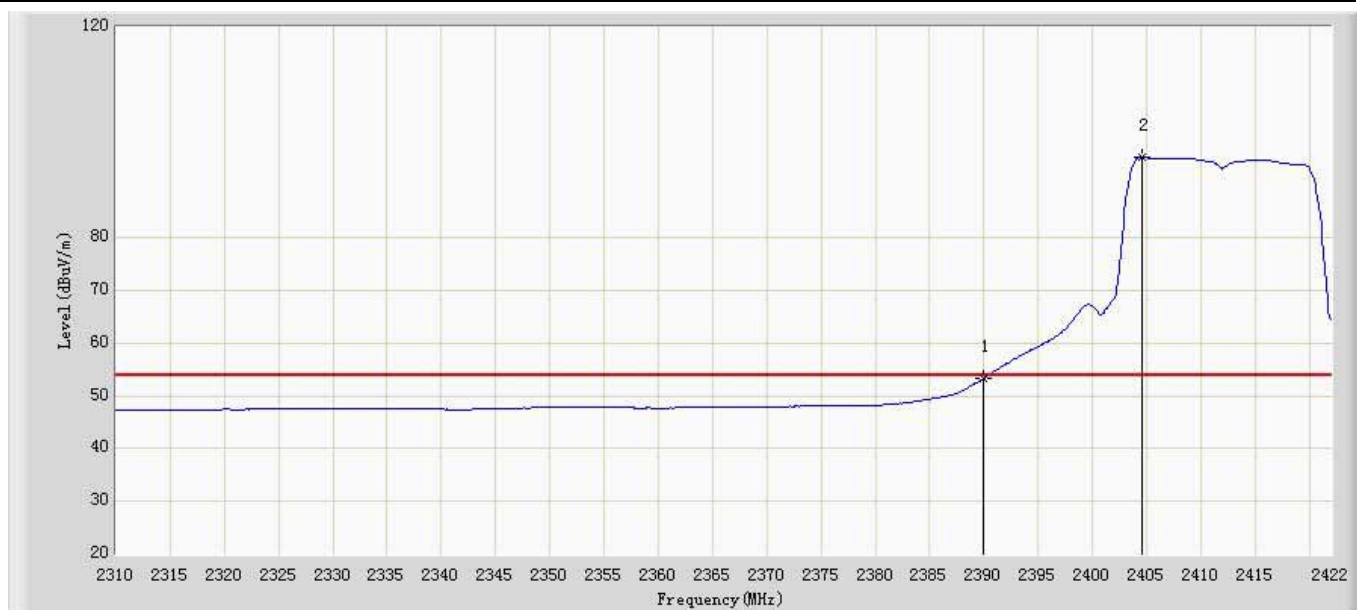
Site: AC102	Time: 2015/06/11 - 15:26
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode2: TX at channel 2412MHz by 802.11g Ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	71.362	40.327	-2.638	74.000	31.035	PK
2	*	2405.088	117.054	85.977	N/A	N/A	31.077	PK



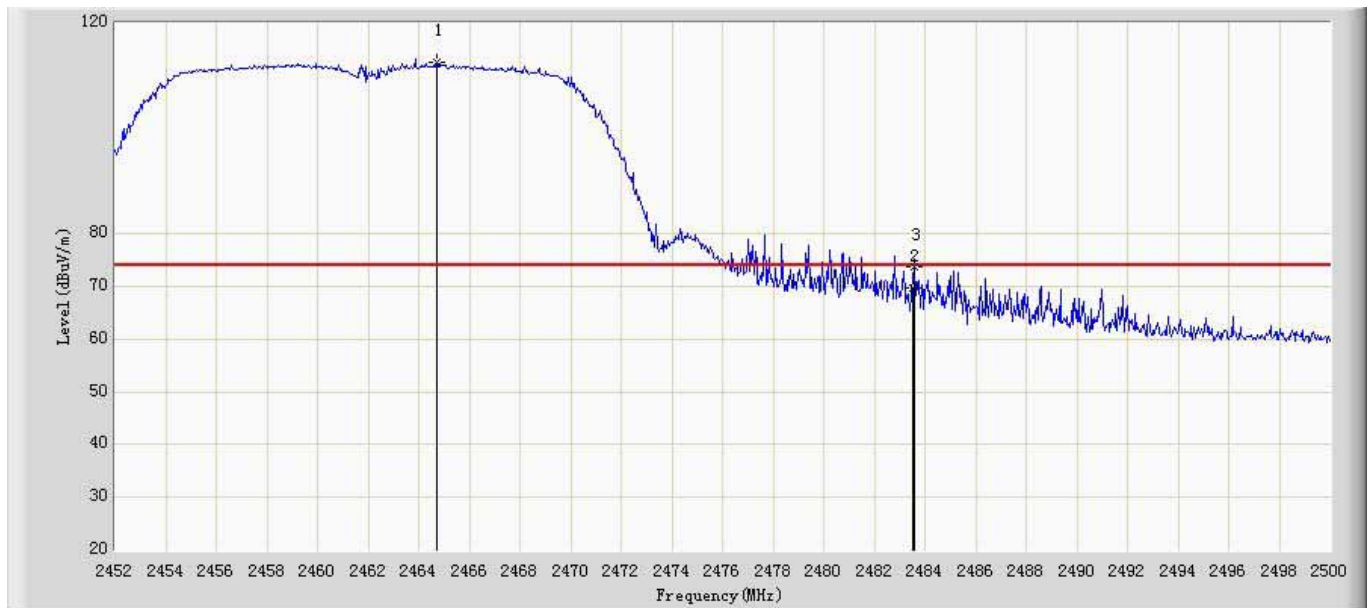
Site: AC102	Time: 2015/06/11 - 15:31
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode2: TX at channel 2412MHz by 802.11g Ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	53.319	22.284	-0.681	54.000	31.035	AV
2	*	2404.640	95.361	64.285	N/A	N/A	31.075	AV



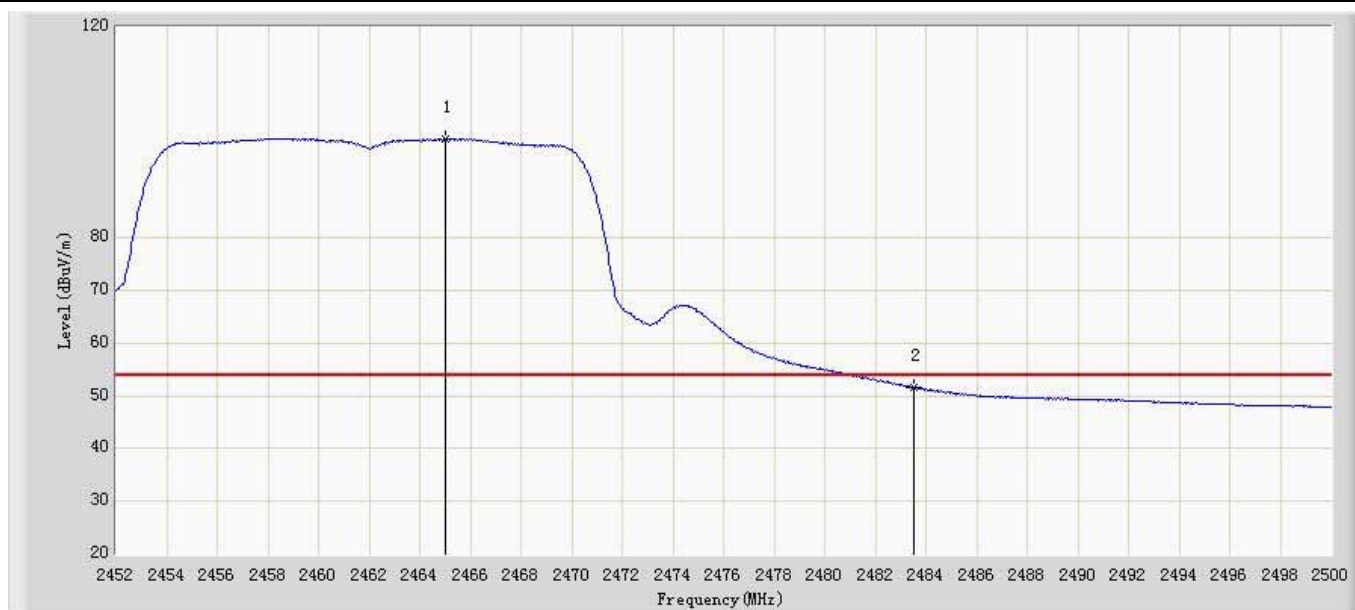
Site: AC102	Time: 2015/06/11 - 15:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode2: TX at channel 2462MHz by 802.11g Ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2464.720	112.459	81.217	N/A	N/A	31.242	PK
2		2483.500	69.841	38.546	-4.159	74.000	31.295	PK
3		2483.584	73.668	42.373	-0.332	74.000	31.295	PK



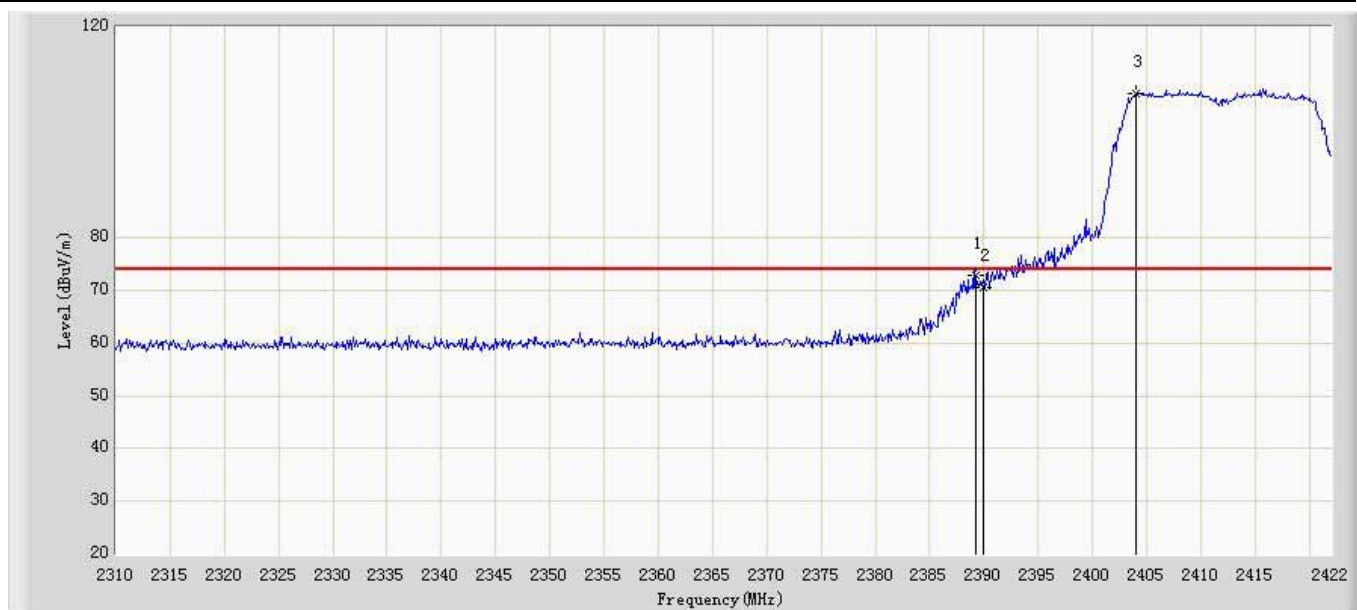
Site: AC102	Time: 2015/06/11 - 15:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode2: TX at channel 2462MHz by 802.11g Ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2465.008	98.736	67.493	N/A	N/A	31.242	AV
2		2483.500	51.651	20.356	-2.349	54.000	31.295	AV



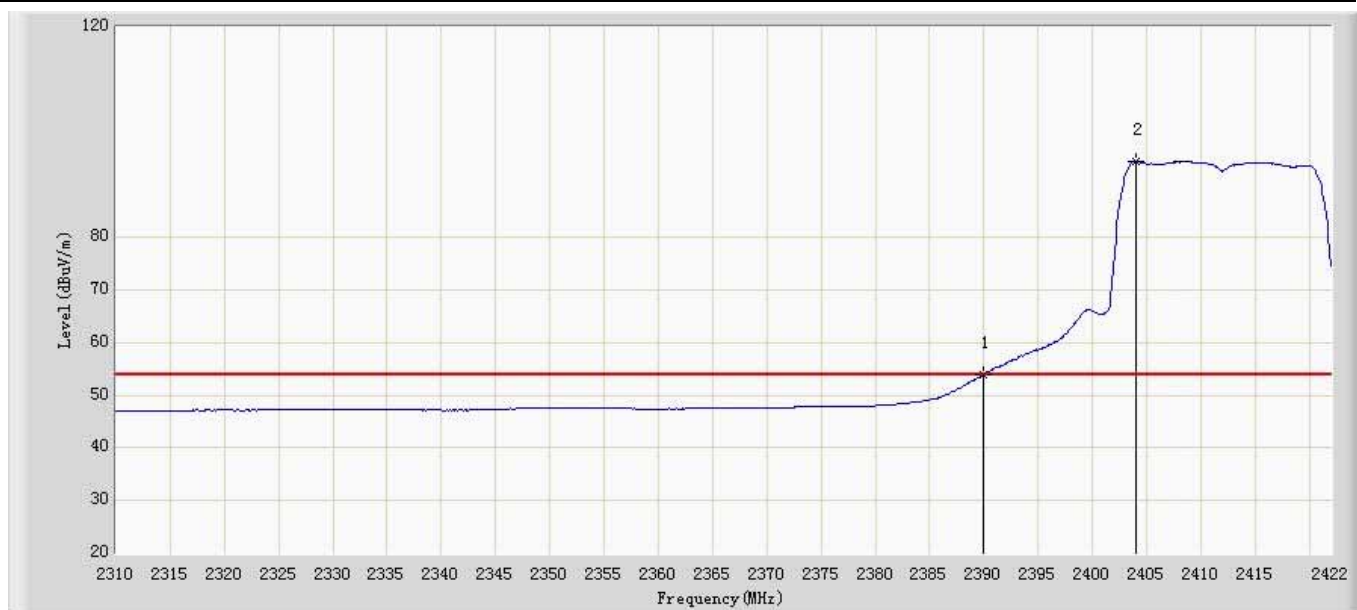
Site: AC102	Time: 2015/06/11 - 15:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode3: TX at channel 2412MHz by 802.11n20 Ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2389.296	72.849	41.816	-1.151	74.000	31.033	PK
2		2390.000	70.644	39.609	-3.356	74.000	31.035	PK
3	*	2404.080	116.221	85.147	N/A	N/A	31.074	PK



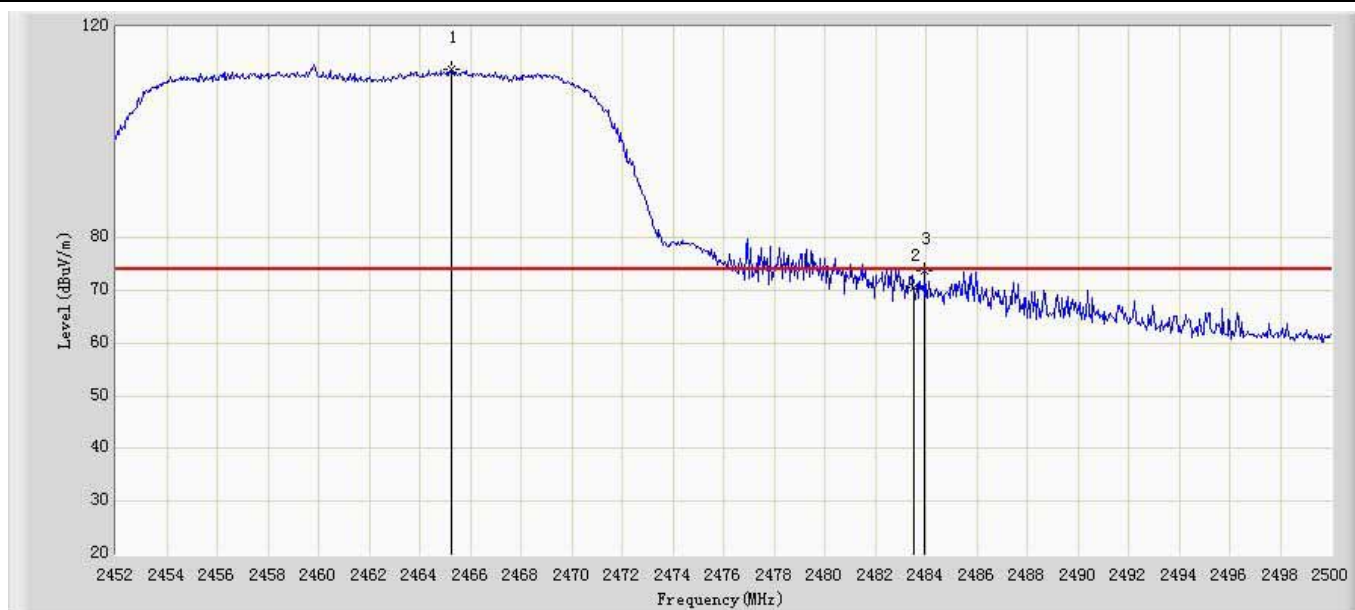
Site: AC102	Time: 2015/06/11 - 15:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode3: TX at channel 2412MHz by 802.11n20 Ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	53.935	22.900	-0.065	54.000	31.035	AV
2		2403.968	94.391	63.317	N/A	N/A	31.074	AV



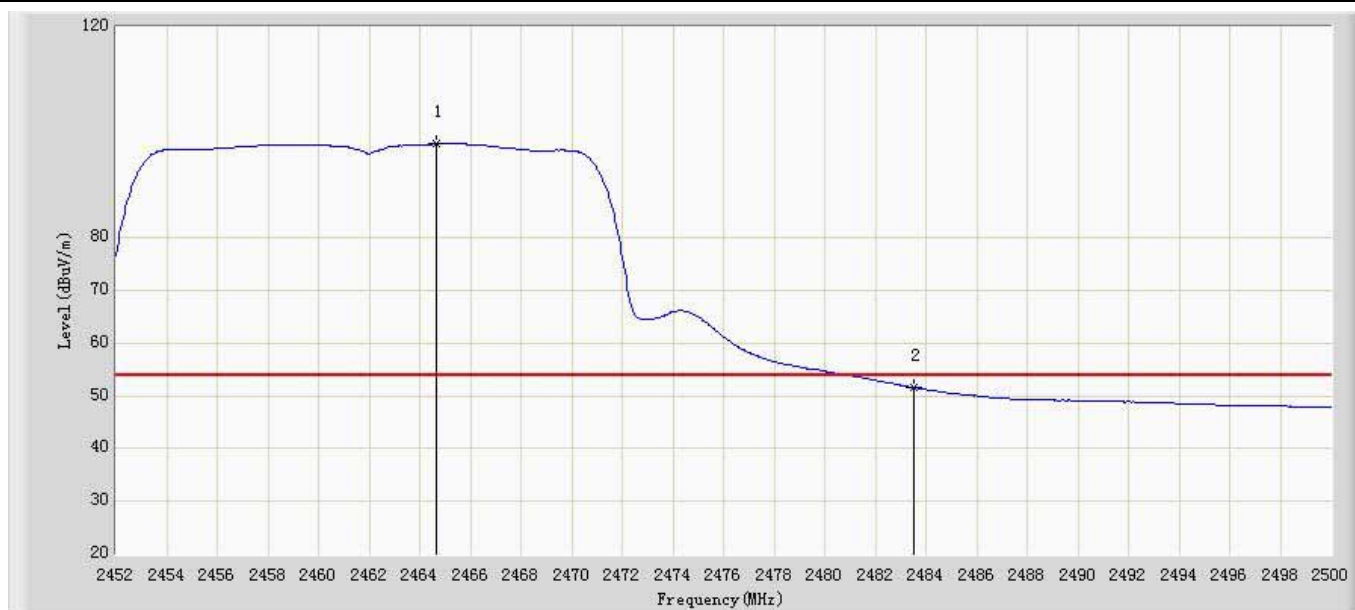
Site: AC102	Time: 2015/06/11 - 15:52
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode3: TX at channel 2462MHz by 802.11n20 Ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2465.248	116.852	85.609	N/A	N/A	31.244	PK
2		2483.500	70.660	39.365	-3.340	74.000	31.295	PK
3		2483.968	73.851	42.555	-0.149	74.000	31.296	PK



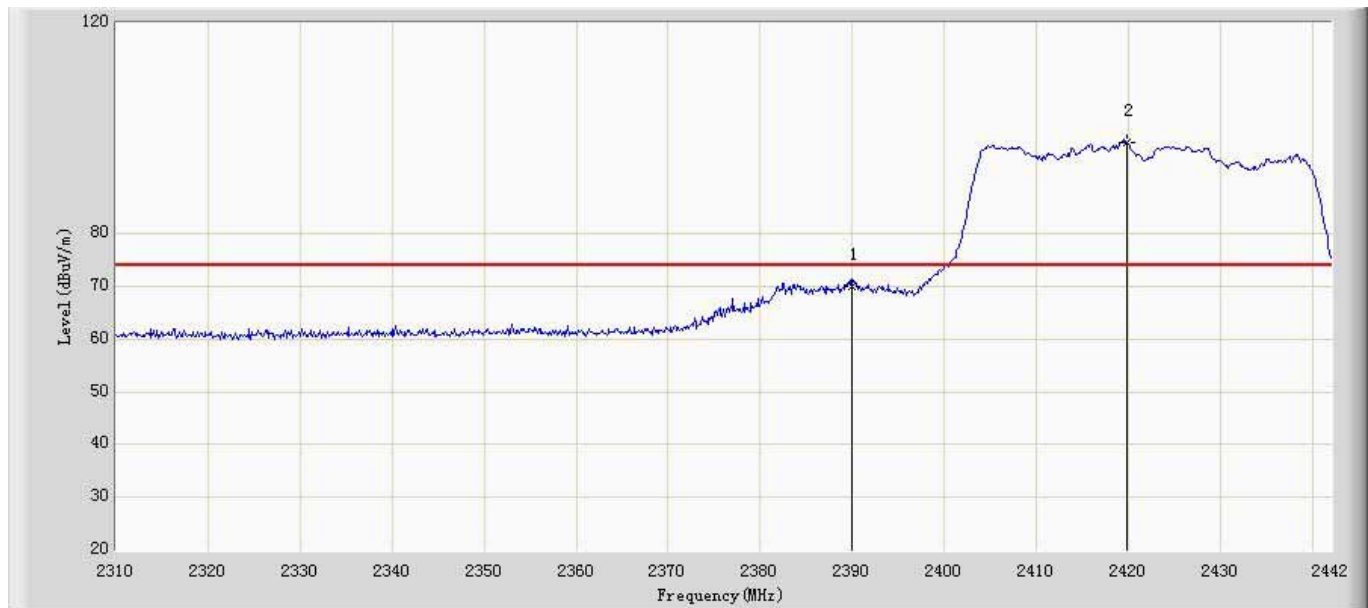
Site: AC102	Time: 2015/06/11 - 15:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode3: TX at channel 2462MHz by 802.11n20 Ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2464.672	97.800	66.558	N/A	N/A	31.242	AV
2		2483.500	51.637	20.342	-2.363	54.000	31.295	AV



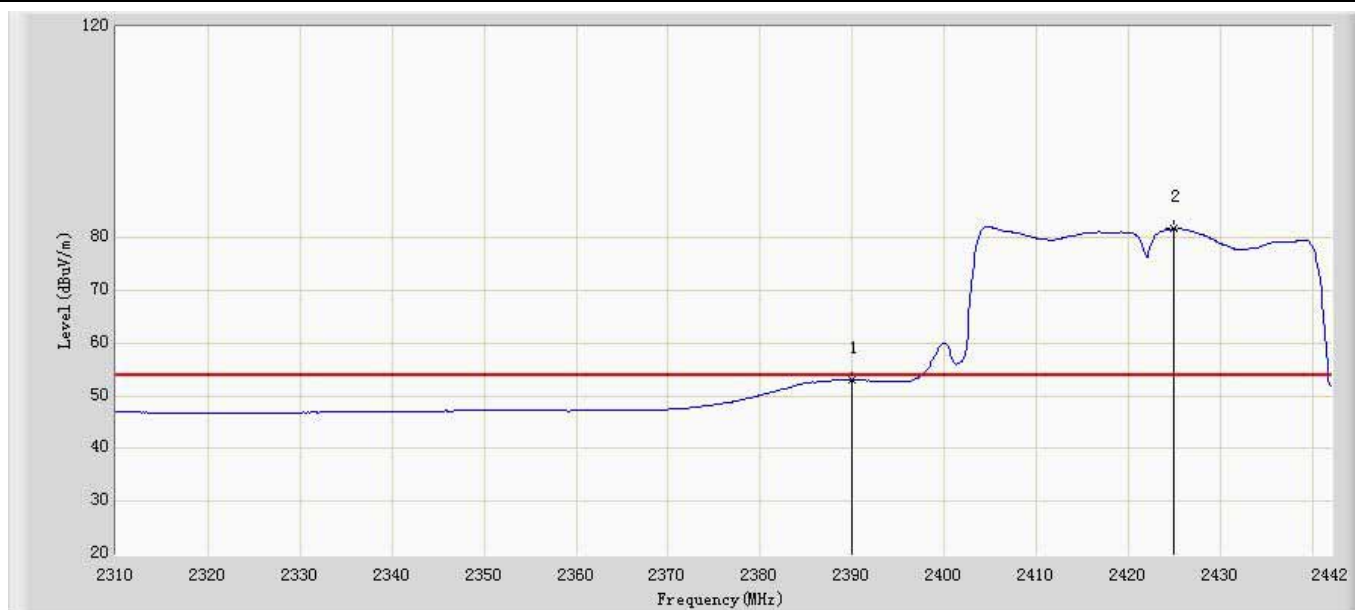
Site: AC102	Time: 2015/06/11 - 16:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2422MHz by 802.11n40 Ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	70.128	39.093	-3.872	74.000	31.035	PK
2	*	2419.824	107.175	76.058	N/A	N/A	31.117	PK



Site: AC102	Time: 2015/06/11 - 16:12
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2422MHz by 802.11n40 Ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	52.982	21.947	-1.018	54.000	31.035	AV
2	*	2424.972	81.668	50.538	N/A	N/A	31.131	AV



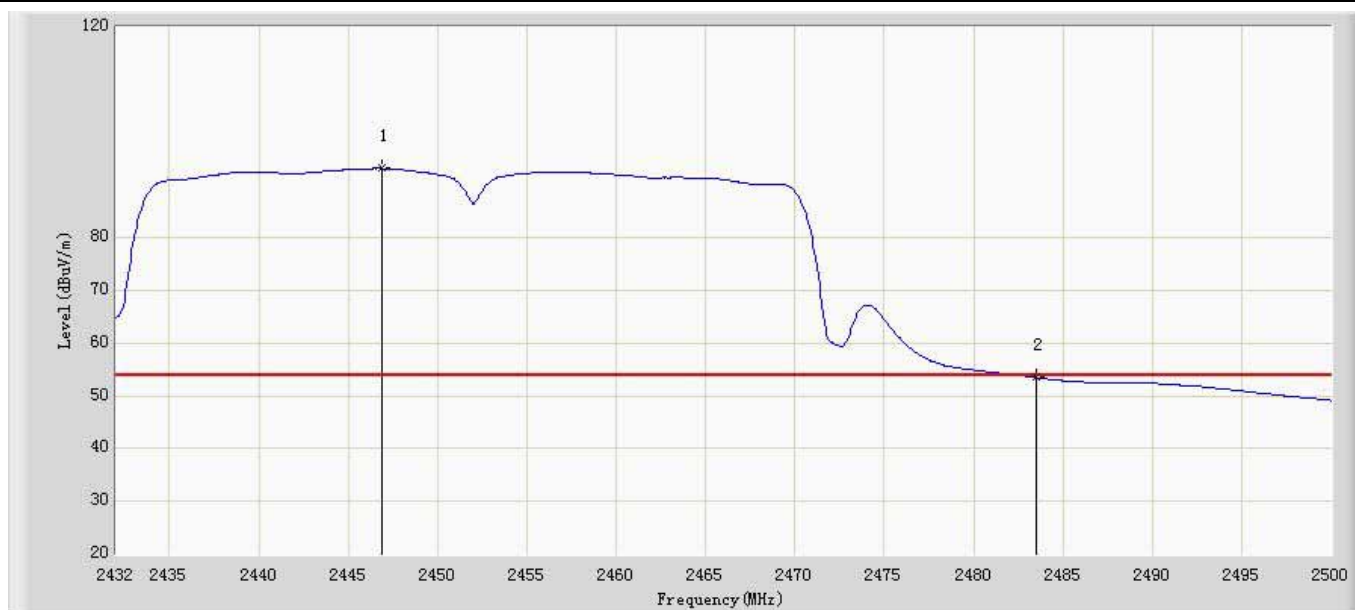
Site: AC102	Time: 2015/06/11 - 17:13
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2452MHz by 802.11n40 Ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2438.596	109.771	78.603	N/A	N/A	31.168	PK
2		2483.500	60.803	29.508	-13.197	74.000	31.295	PK



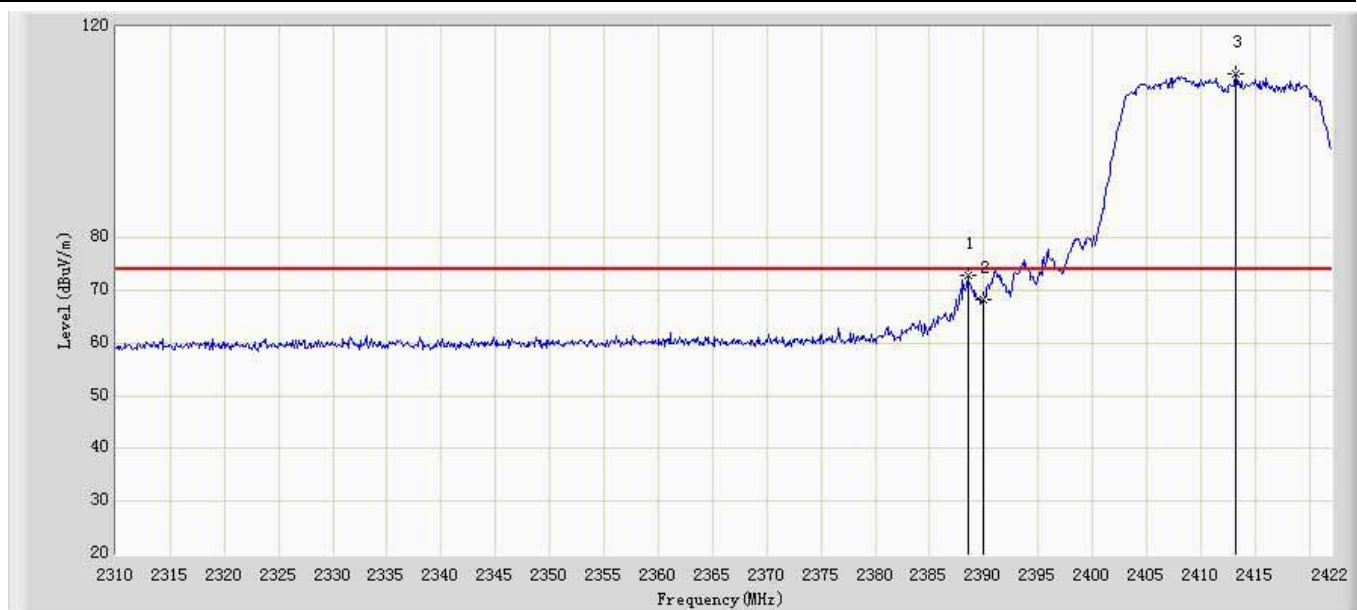
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Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2452MHz by 802.11n40 Ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2446.892	93.140	61.949	N/A	N/A	31.191	AV
2		2483.500	53.502	22.207	-0.498	54.000	31.295	AV



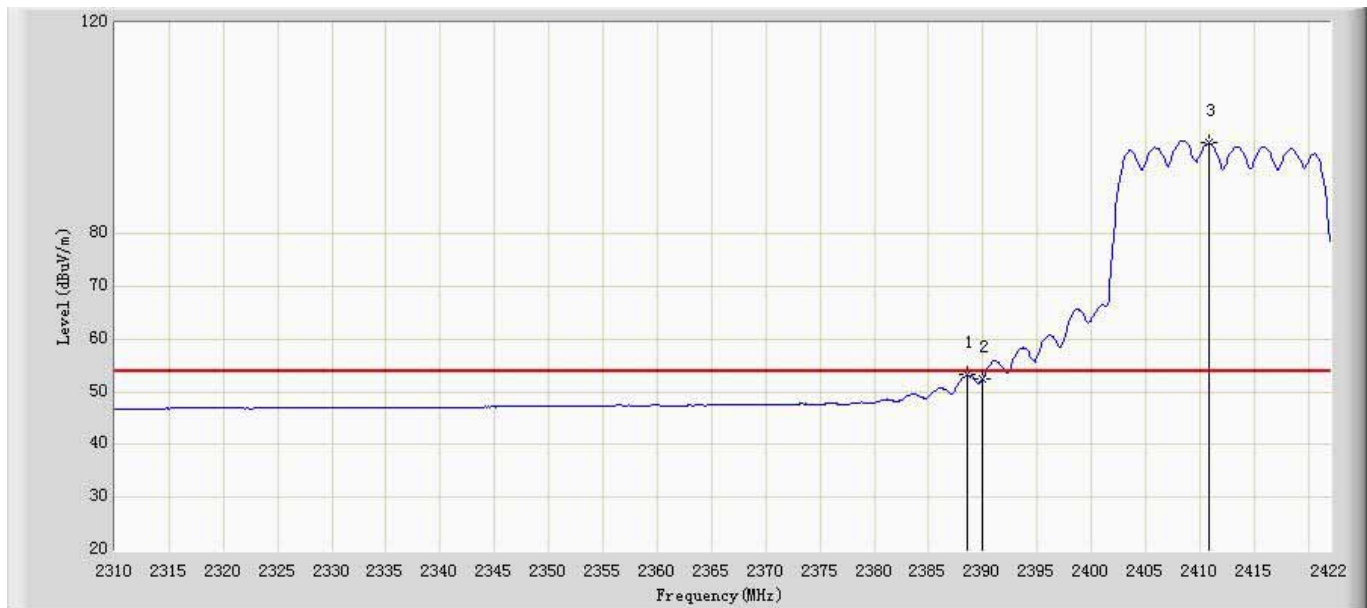
Site: AC102	Time: 2015/06/11 - 16:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode3: TX at channel 2412MHz by 802.11n20 Ant 0+1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2388.512	72.751	41.721	-1.249	74.000	31.030	PK
2		2390.000	68.360	37.325	-5.640	74.000	31.035	PK
3	*	2413.264	117.071	85.972	N/A	N/A	31.099	PK



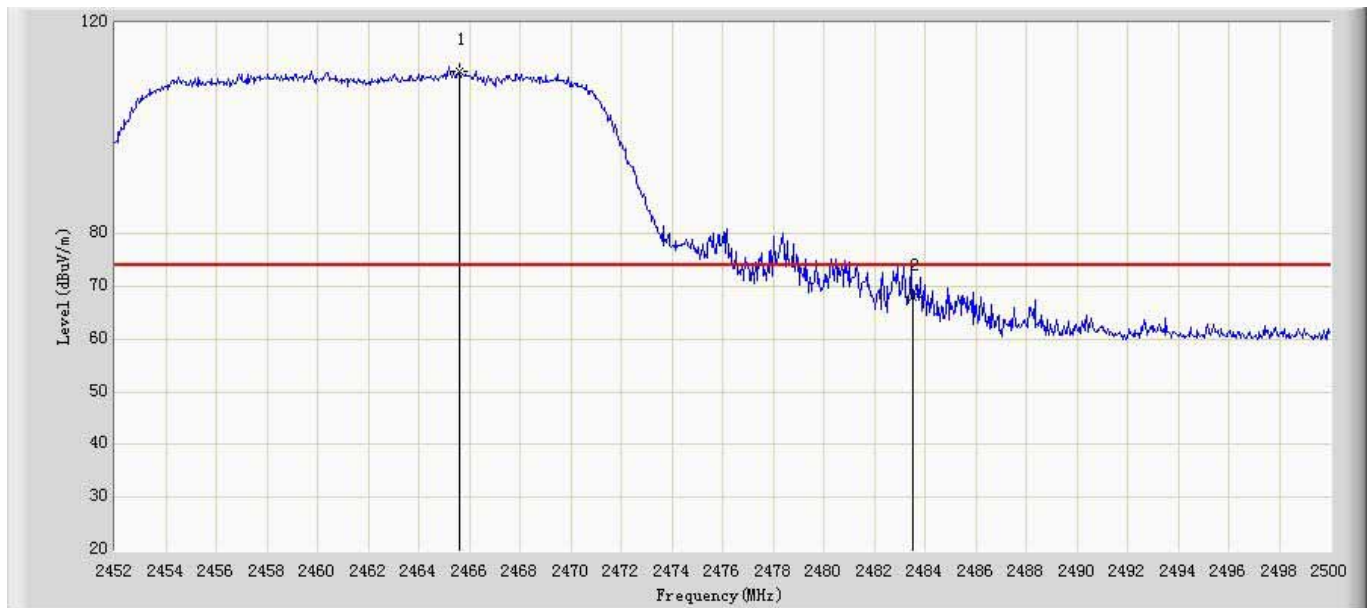
Site: AC102	Time: 2015/06/11 - 16:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode3: TX at channel 2412MHz by 802.11n20 Ant 0+1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2388.624	53.192	22.161	-0.808	54.000	31.031	AV
2		2390.000	52.420	21.385	-1.580	54.000	31.035	AV
3	*	2410.912	97.160	66.067	N/A	N/A	31.093	AV



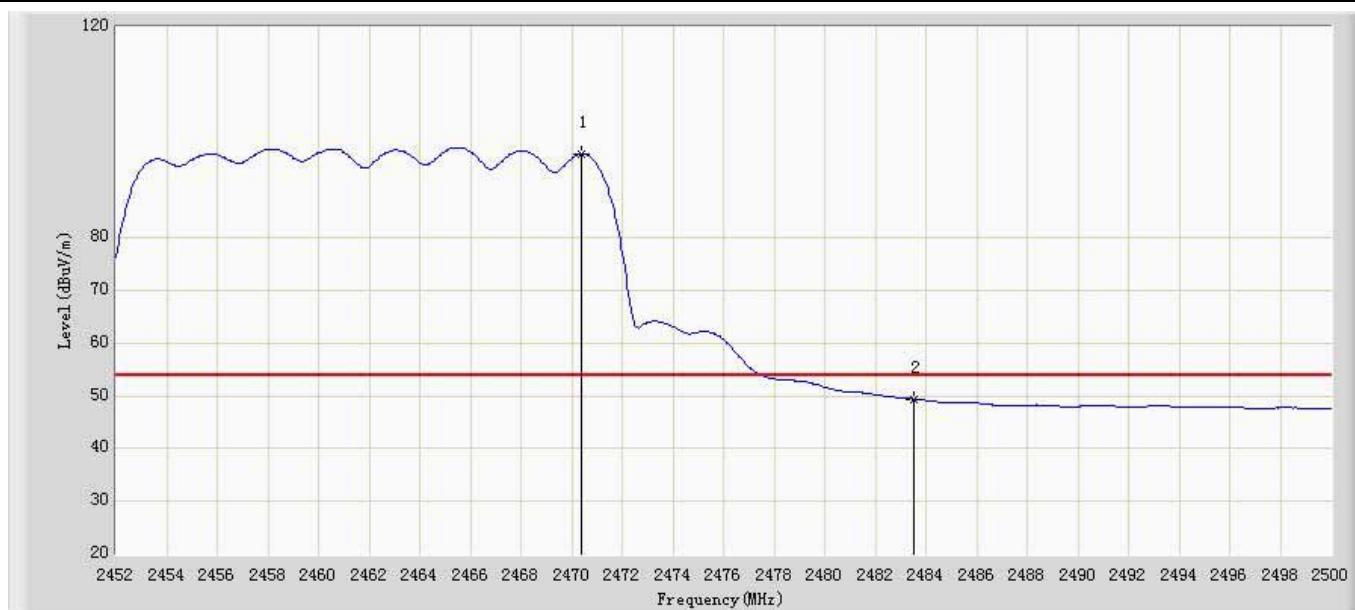
Site: AC102	Time: 2015/06/11 - 16:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode3: TX at channel 2462MHz by 802.11n20 Ant 0+1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2465.584	116.824	85.580	N/A	N/A	31.244	PK
2		2483.500	68.058	36.763	-5.942	74.000	31.295	PK



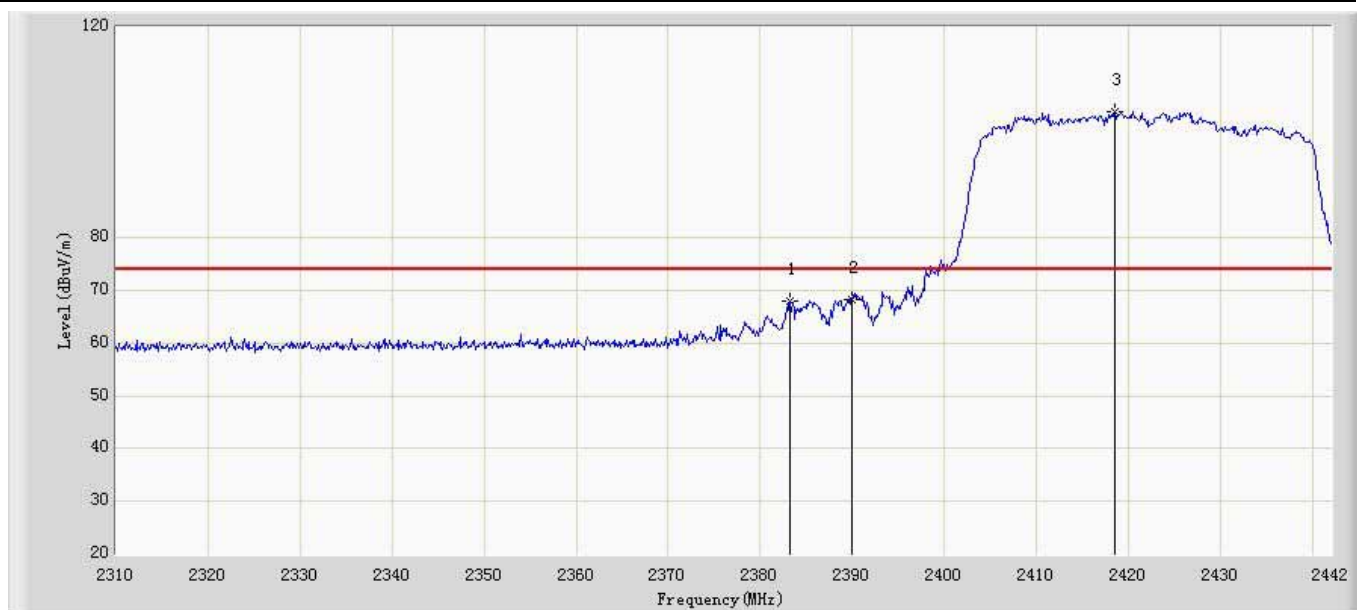
Site: AC102	Time: 2015/06/11 - 16:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode3: TX at channel 2462MHz by 802.11n20 Ant 0+1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2470.384	95.960	64.702	N/A	N/A	31.258	AV
2		2483.500	49.442	18.147	-4.558	54.000	31.295	AV



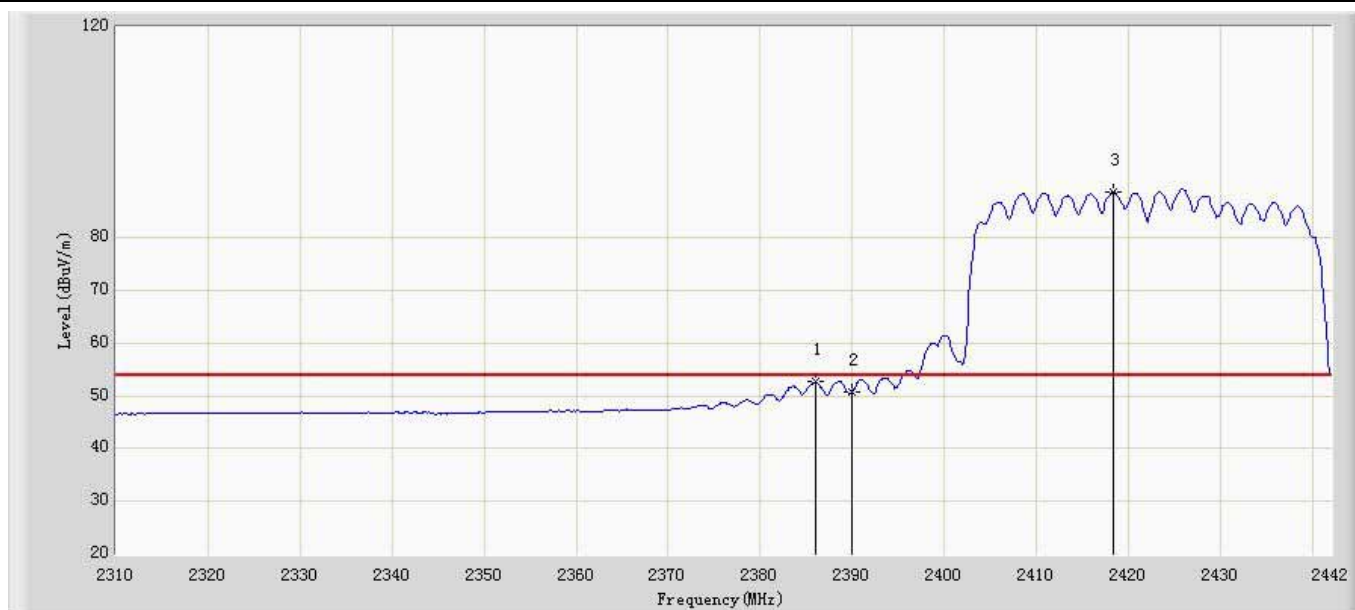
Site: AC102	Time: 2015/06/11 - 16:52
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2422MHz by 802.11n40 Ant 0+1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2383.260	68.041	37.025	-5.959	74.000	31.016	PK
2		2390.000	68.254	37.219	-5.746	74.000	31.035	PK
3	*	2418.504	110.975	79.862	N/A	N/A	31.113	PK



Site: AC102	Time: 2015/06/11 - 16:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2422MHz by 802.11n40 Ant 0+1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2386.032	52.634	21.611	-1.366	54.000	31.023	AV
2		2390.000	50.689	19.654	-3.311	54.000	31.035	AV
3	*	2418.372	88.660	57.547	N/A	N/A	31.113	AV



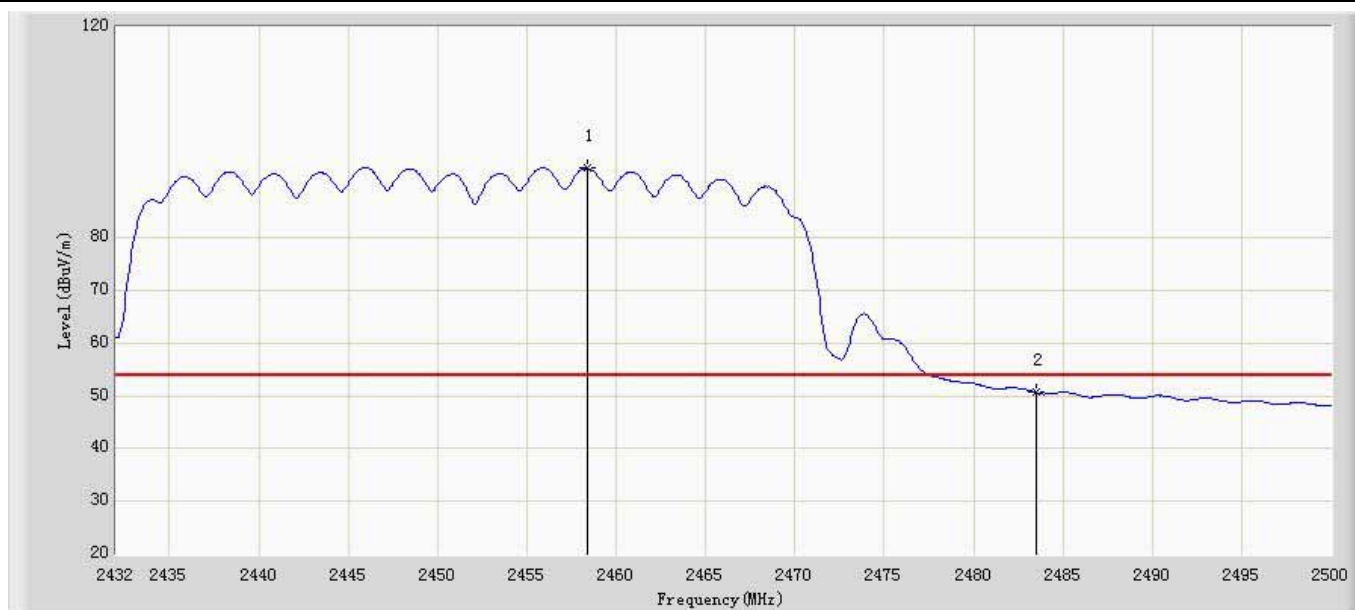
Site: AC102	Time: 2015/06/11 - 17:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2452MHz by 802.11n40 Ant 0+1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2446.348	117.190	86.000	N/A	N/A	31.189	PK
2		2483.500	64.674	33.379	-9.326	74.000	31.295	PK



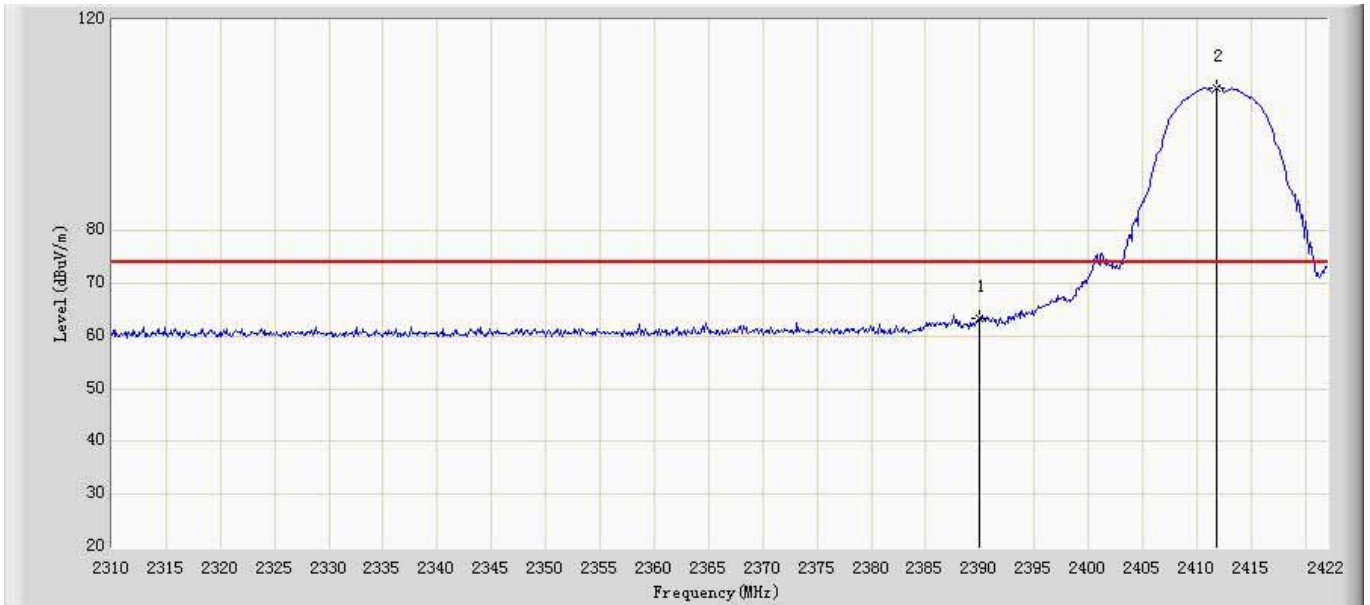
Site: AC102	Time: 2015/06/11 - 17:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Vertical
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2452MHz by 802.11n40 Ant 0+1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2458.384	93.158	61.934	N/A	N/A	31.223	AV
2		2483.500	50.636	19.341	-3.364	54.000	31.295	AV



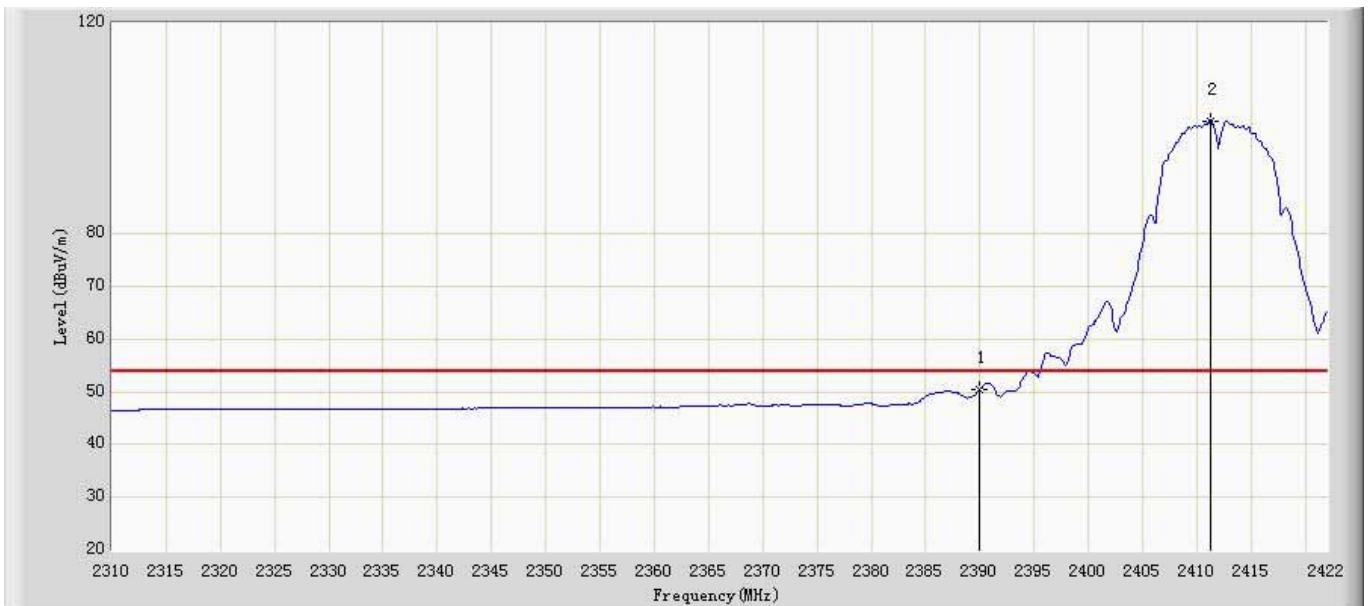
Site: AC102	Time: 2015/06/11 - 17:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2412MHz by 802.11b Ant 0	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	63.407	32.372	-10.593	74.000	31.035	PK
2	*	2411.808	107.146	76.050	N/A	N/A	31.095	PK



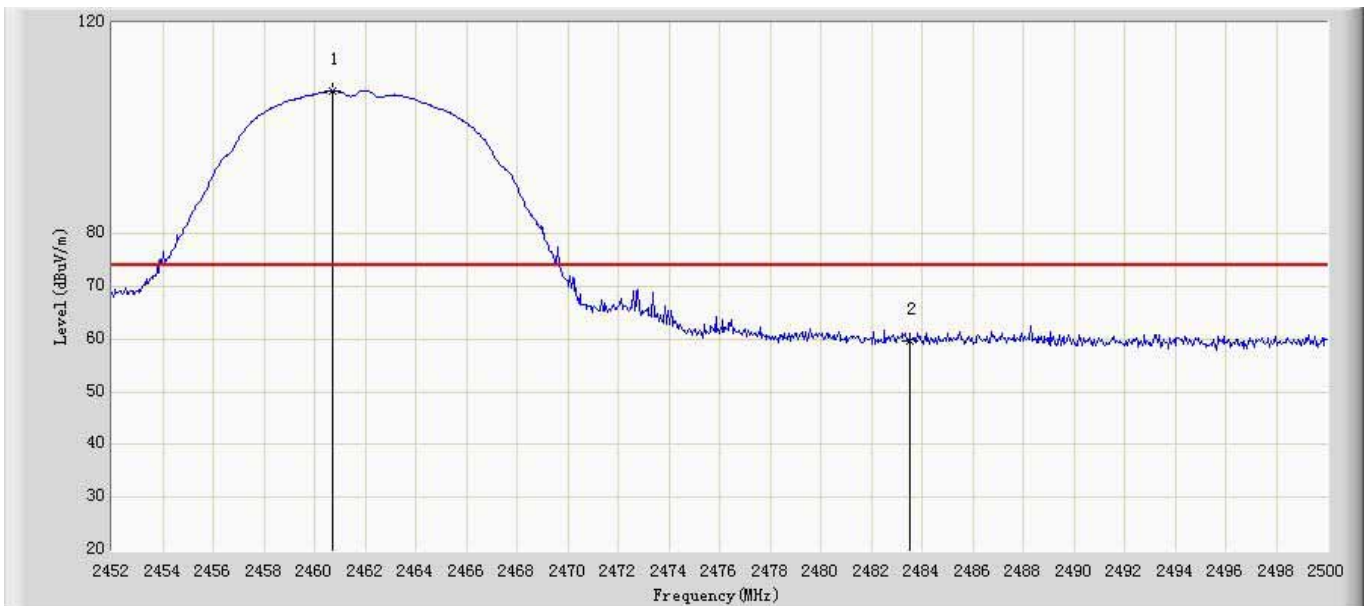
Site: AC102	Time: 2015/06/11 - 17:20
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2412MHz by 802.11b Ant 0	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	50.424	19.389	-3.576	54.000	31.035	AV
2	*	2411.248	101.465	70.371	N/A	N/A	31.094	AV



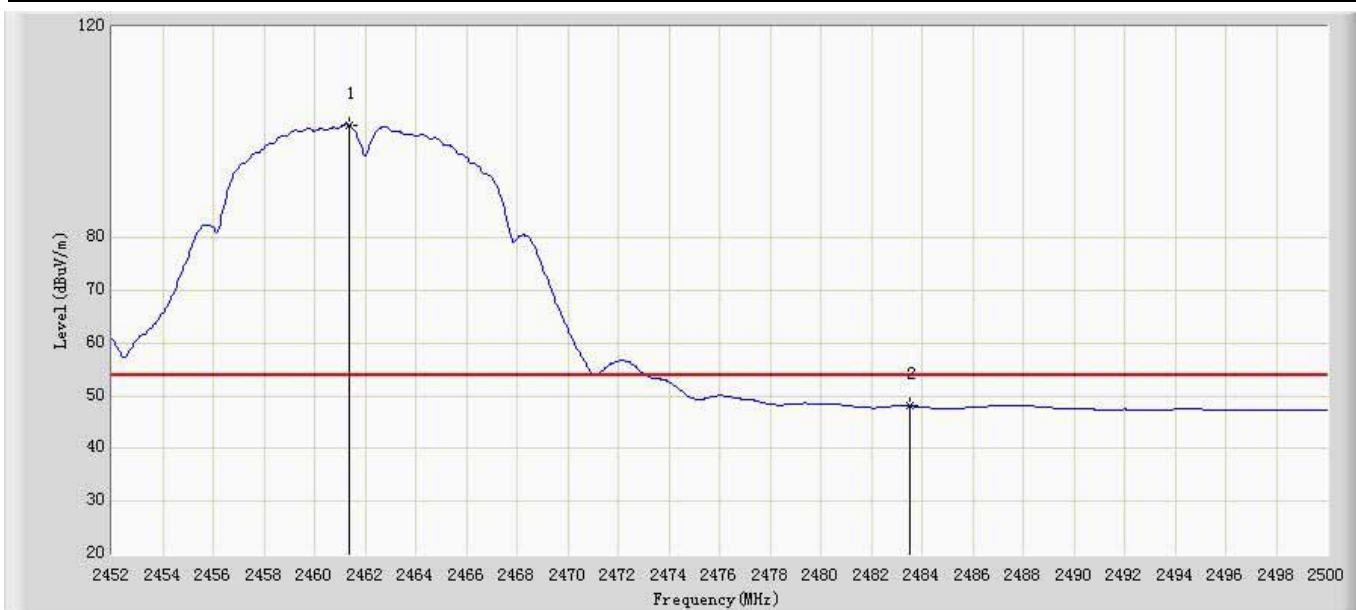
Site: AC102	Time: 2015/06/11 - 17:21
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2462MHz by 802.11b Ant 0	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2460.688	106.960	75.730	N/A	N/A	31.231	PK
2		2483.500	59.614	28.319	-14.386	74.000	31.295	PK



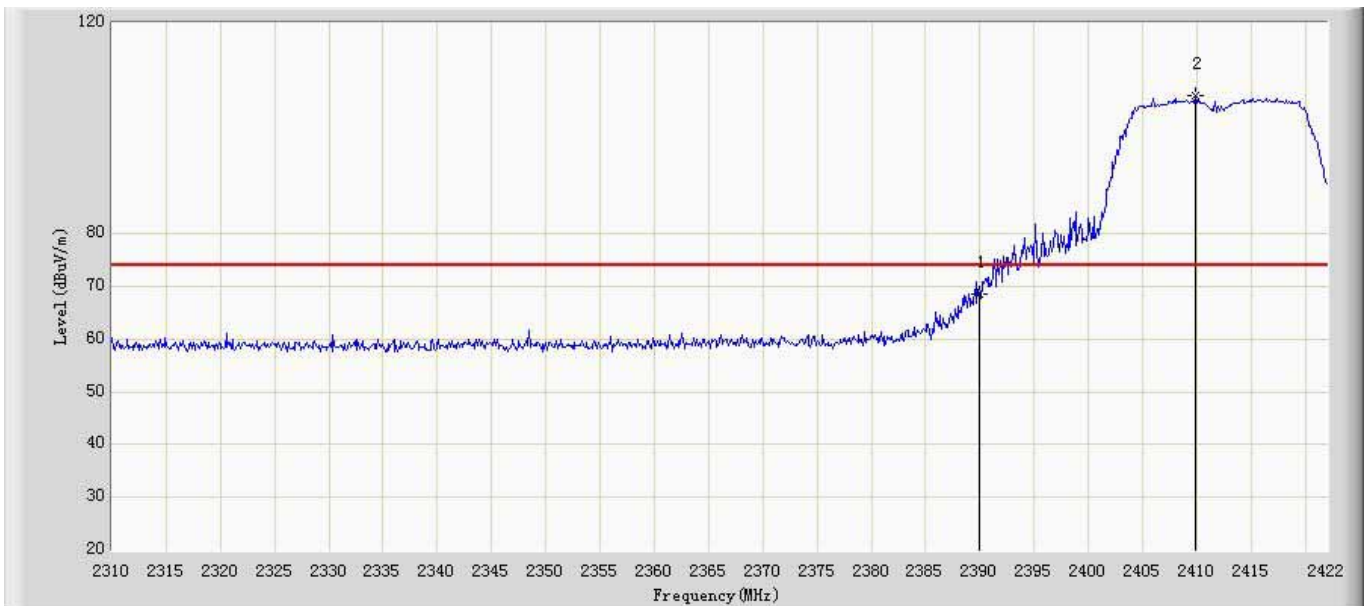
Site: AC102	Time: 2015/06/11 - 17:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2462MHz by 802.11b Ant 0	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2461.360	101.371	70.139	N/A	N/A	31.232	AV
2		2483.500	48.152	16.857	-5.848	54.000	31.295	AV



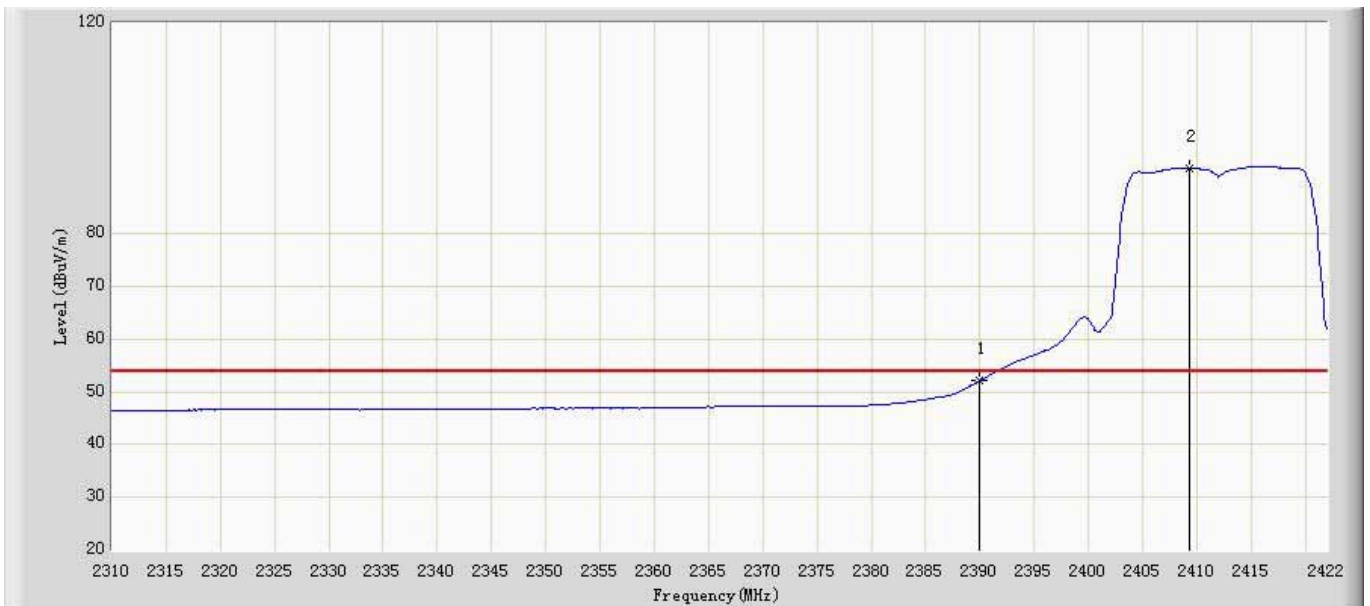
Site: AC102	Time: 2015/06/11 - 17:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2412MHz by 802.11g Ant 0	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	68.478	37.443	-5.522	74.000	31.035	PK
2	*	2409.904	106.292	75.202	N/A	N/A	31.090	PK



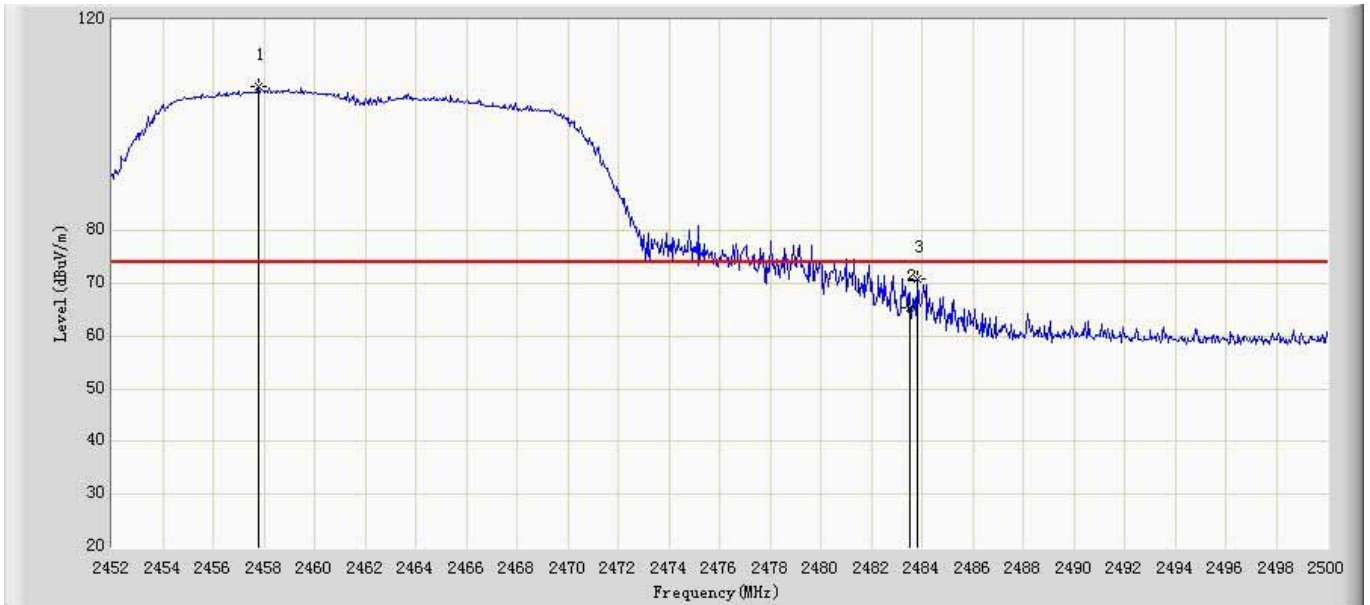
Site: AC102	Time: 2015/06/11 - 17:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2412MHz by 802.11g Ant 0	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	52.055	21.020	-1.945	54.000	31.035	AV
2	*	2409.344	92.527	61.438	N/A	N/A	31.089	AV



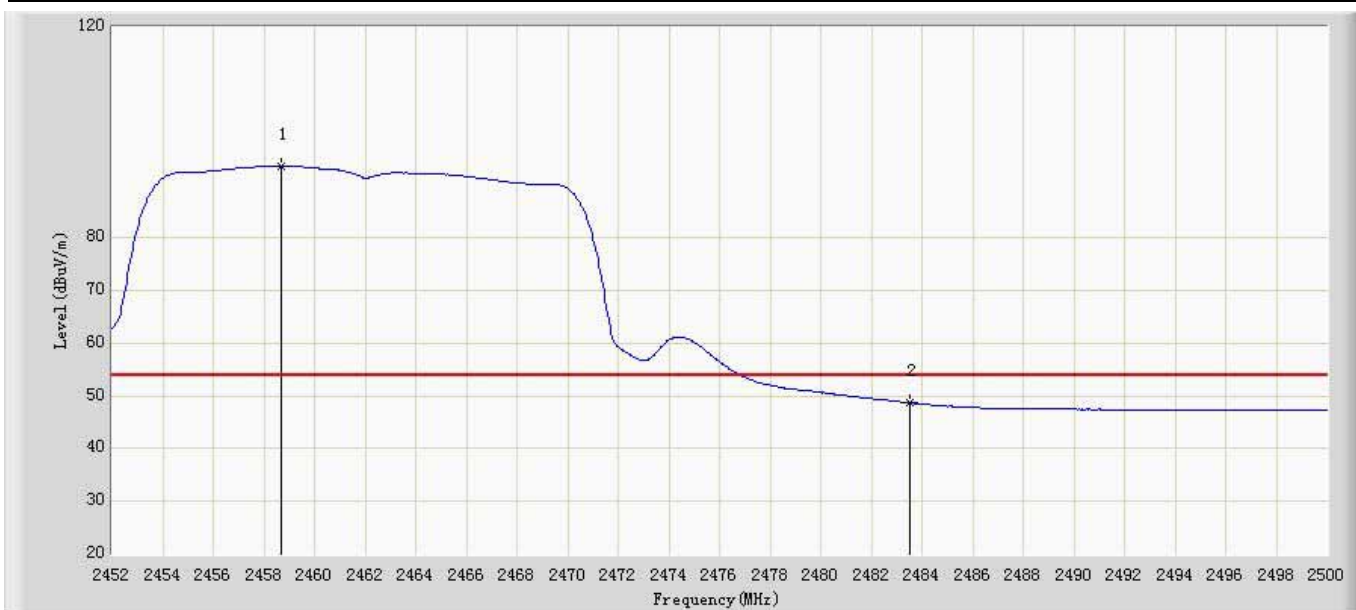
Site: AC102	Time: 2015/06/11 - 17:26
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2462MHz by 802.11g Ant 0	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2457.808	107.382	76.160	N/A	N/A	31.222	PK
2		2483.500	65.497	34.202	-8.503	74.000	31.295	PK
3		2483.824	70.723	39.427	-3.277	74.000	31.296	PK



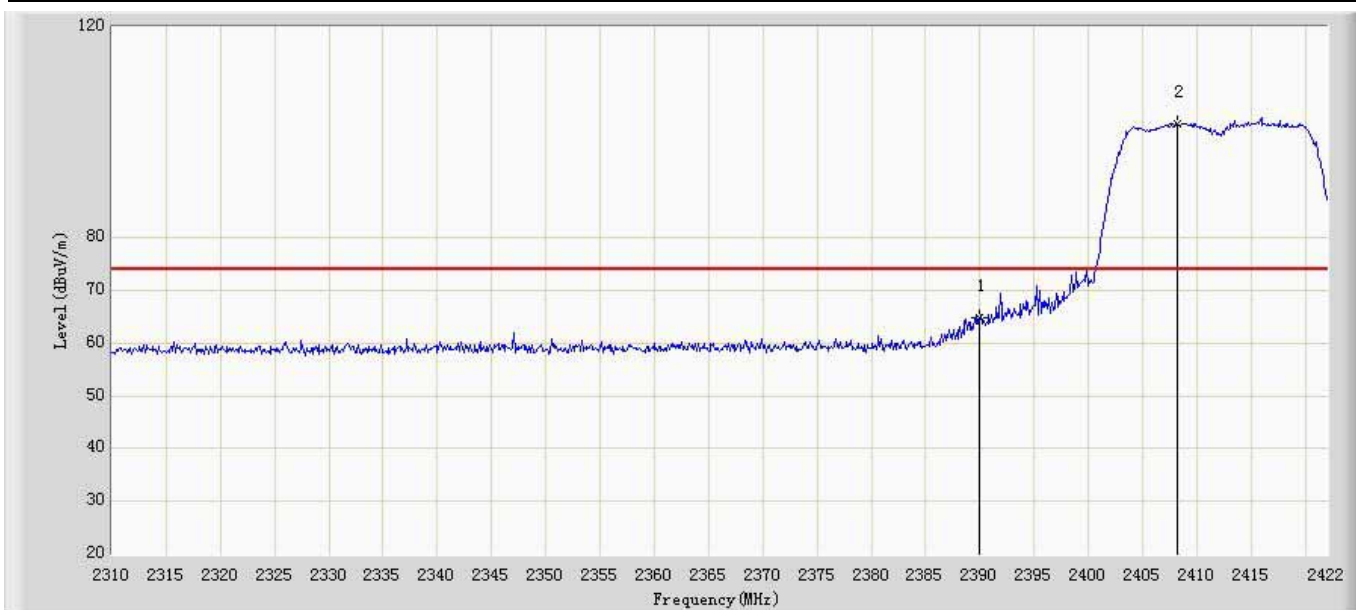
Site: AC102	Time: 2015/06/11 - 17:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2462MHz by 802.11g Ant 0	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2458.672	93.539	62.314	N/A	N/A	31.225	AV
2		2483.500	48.677	17.382	-5.323	54.000	31.295	AV



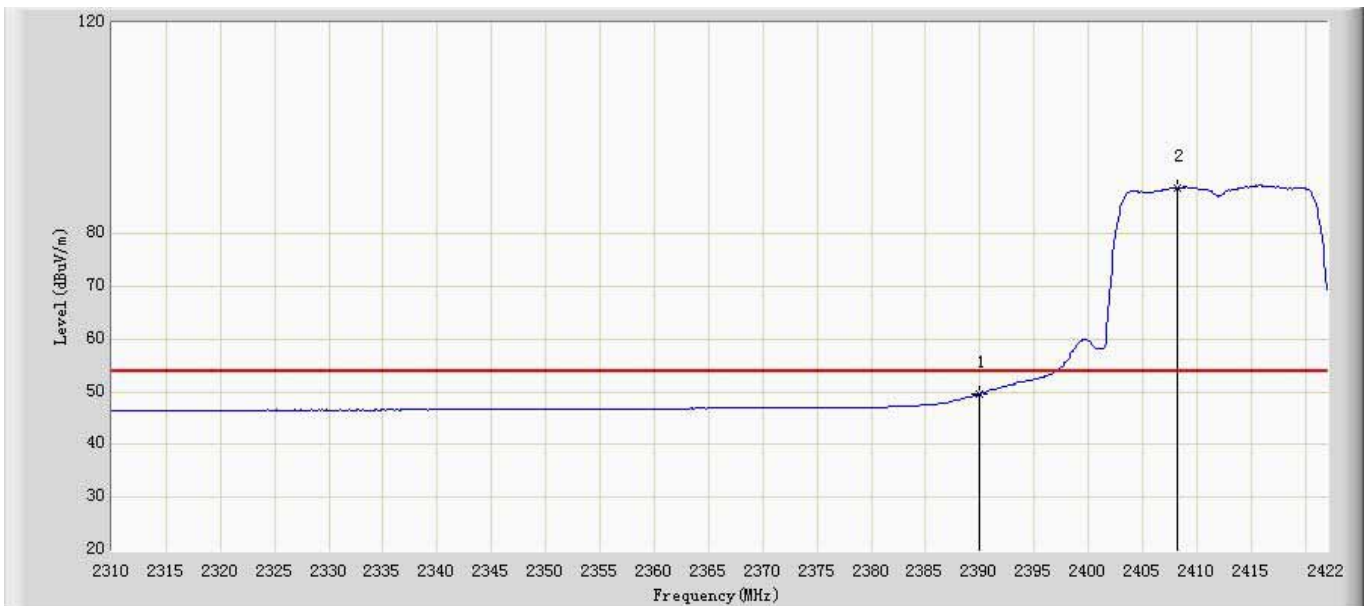
Site: AC102	Time: 2015/06/11 - 17:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2412MHz by 802.11n20 Ant 0	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	64.858	33.823	-9.142	74.000	31.035	PK
2	*	2408.224	101.549	70.463	N/A	N/A	31.086	PK



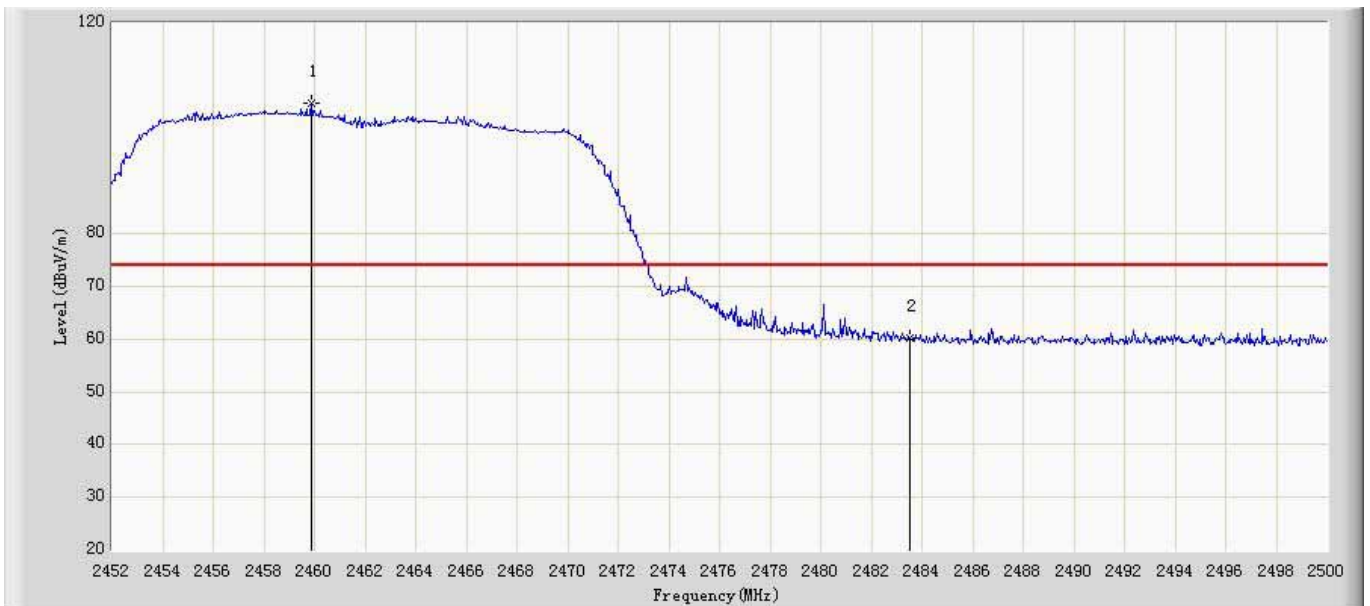
Site: AC102	Time: 2015/06/11 - 17:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2412MHz by 802.11n20 Ant 0	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	49.674	18.639	-4.326	54.000	31.035	AV
2	*	2408.224	88.799	57.713	N/A	N/A	31.086	AV



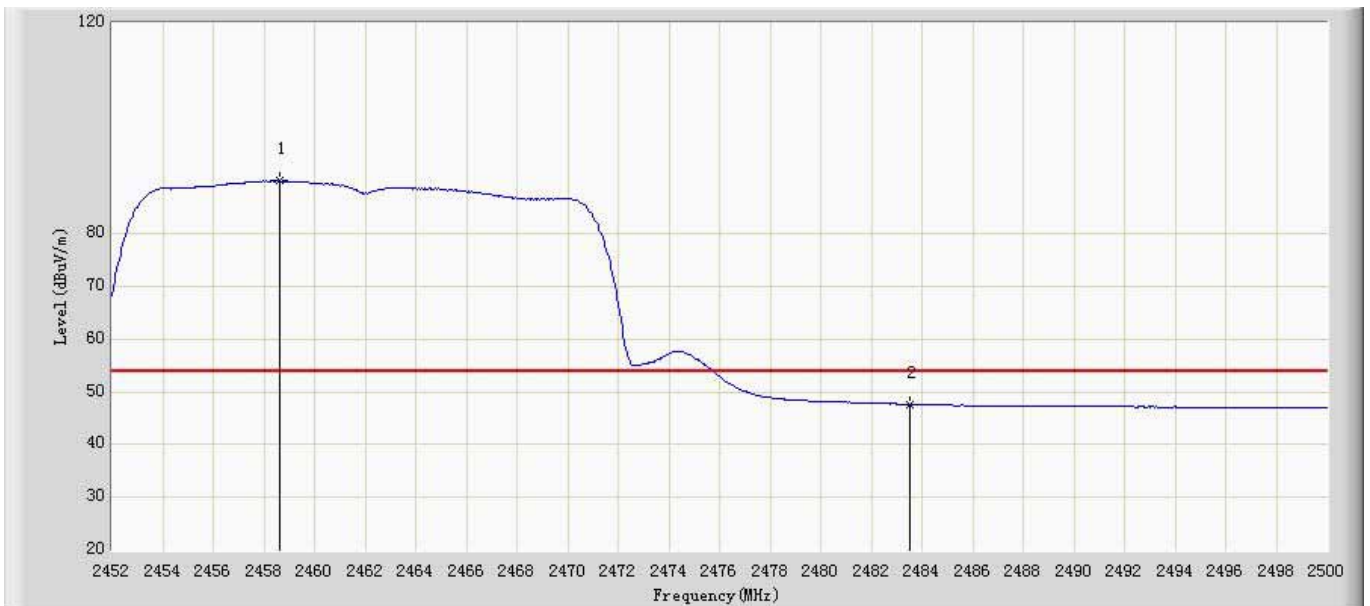
Site: AC102	Time: 2015/06/11 - 17:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2462MHz by 802.11n20 Ant 0	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2459.872	104.801	73.573	N/A	N/A	31.228	PK
2		2483.500	60.247	28.952	-13.753	74.000	31.295	PK



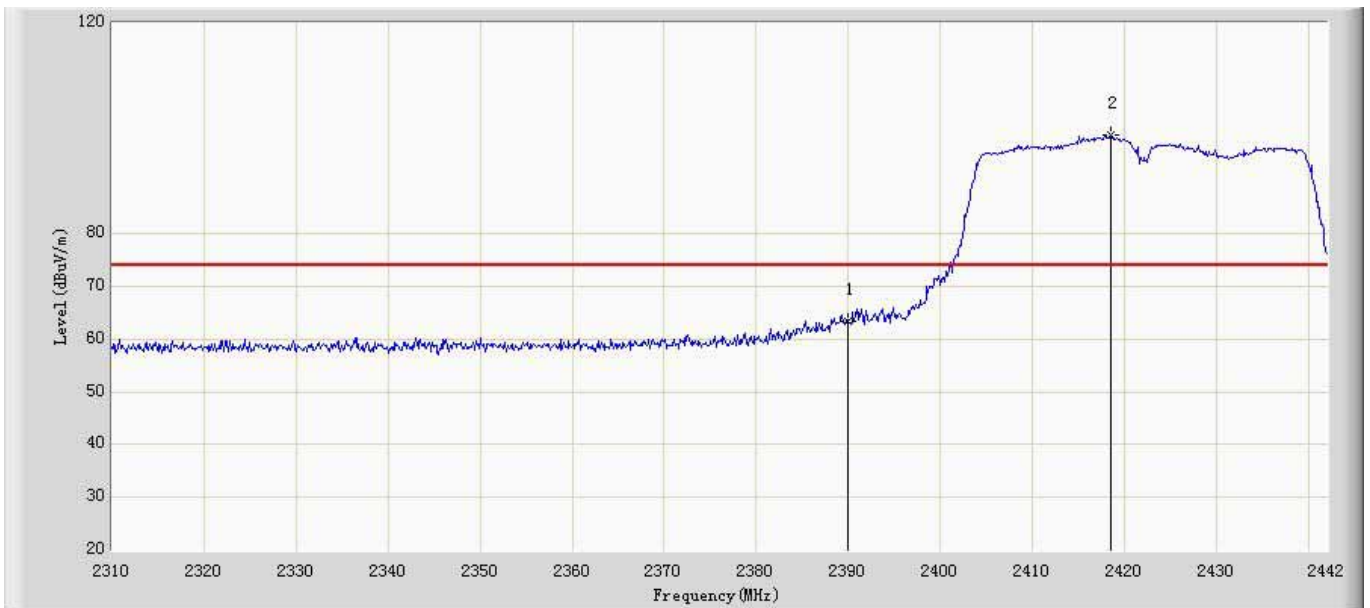
Site: AC102	Time: 2015/06/11 - 17:31
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2462MHz by 802.11n20 Ant 0	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2458.624	90.048	58.823	N/A	N/A	31.225	AV
2		2483.500	47.681	16.386	-6.319	54.000	31.295	AV



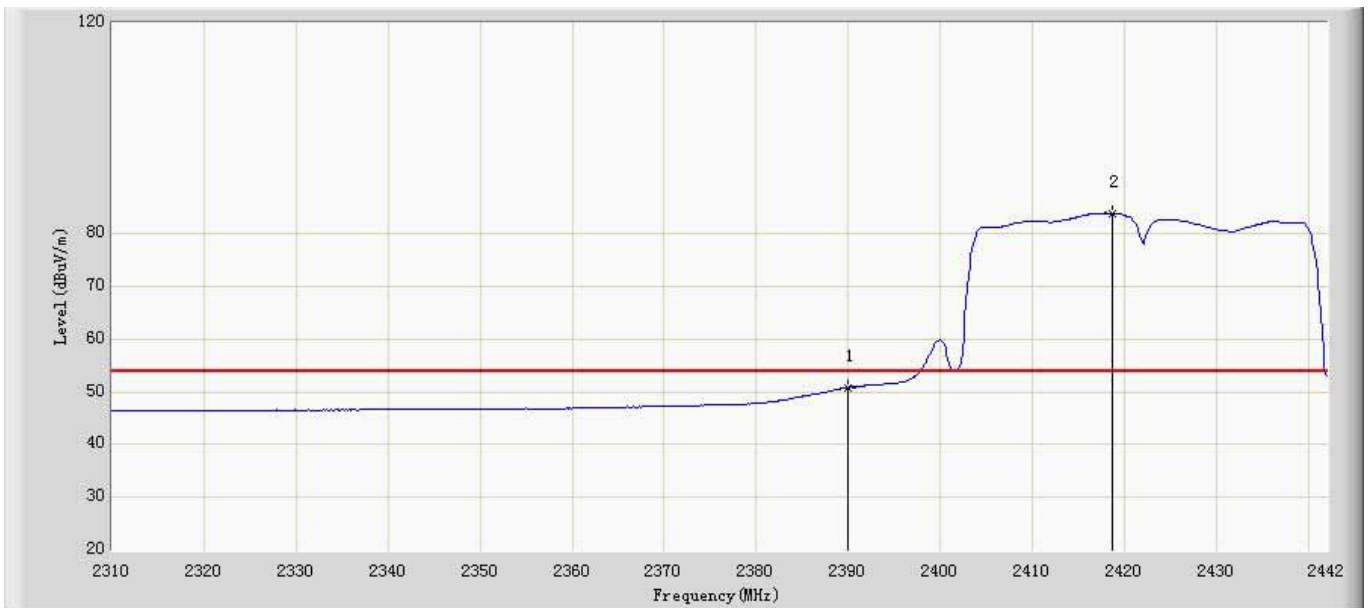
Site: AC102	Time: 2015/06/11 - 17:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2422MHz by 802.11n40 Ant 0	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	63.518	32.483	-10.482	74.000	31.035	PK
2	*	2418.504	98.659	67.546	N/A	N/A	31.113	PK



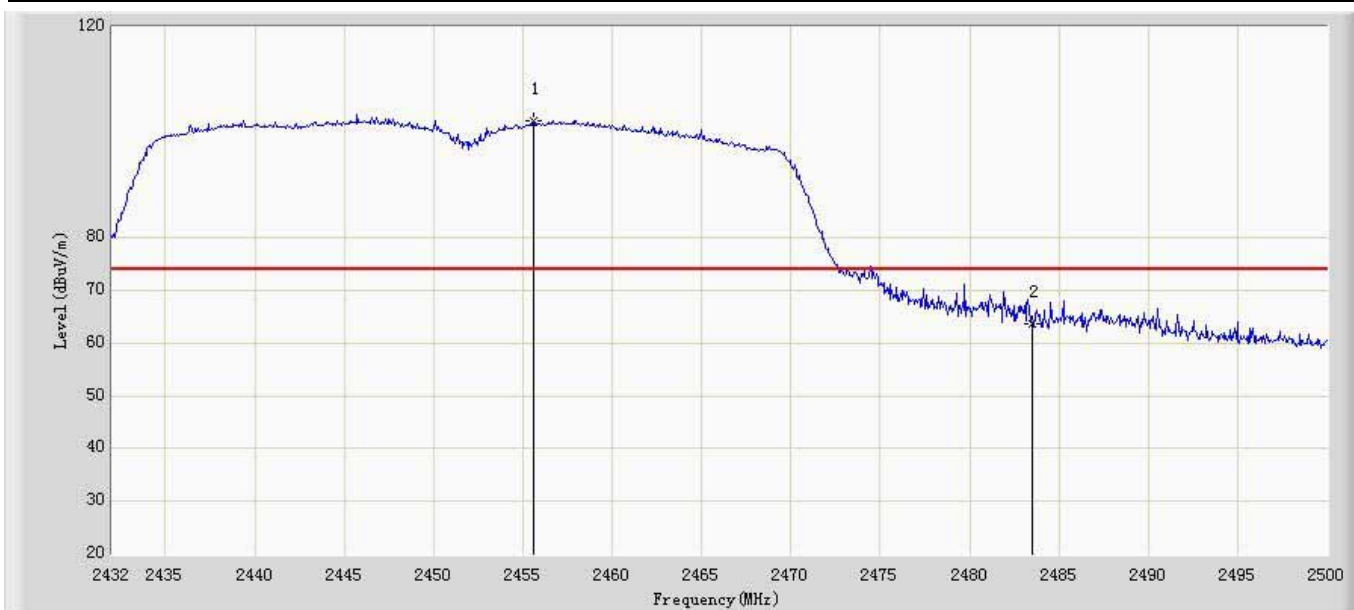
Site: AC102	Time: 2015/06/11 - 17:33
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2422MHz by 802.11n40 Ant 0	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	50.807	19.772	-3.193	54.000	31.035	AV
2	*	2418.636	83.879	52.765	N/A	N/A	31.113	AV



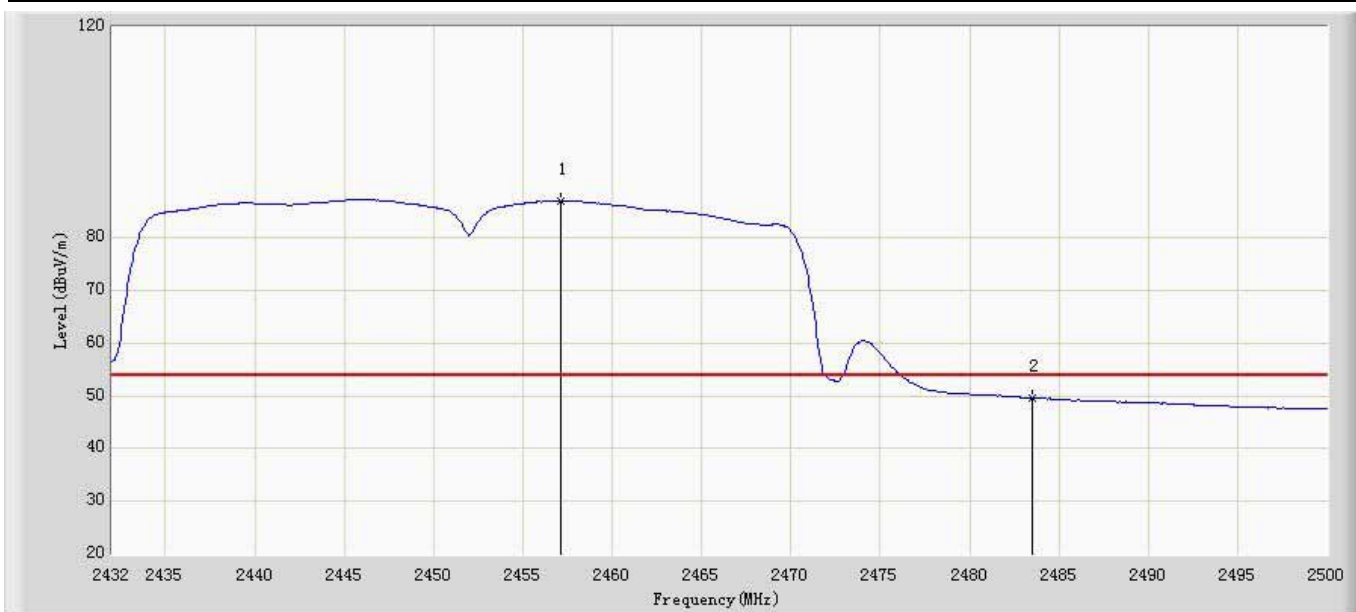
Site: AC102	Time: 2015/06/11 - 17:34
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2452MHz by 802.11n40 Ant 0	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2455.596	102.286	71.070	N/A	N/A	31.216	PK
2		2483.500	63.710	32.415	-10.290	74.000	31.295	PK



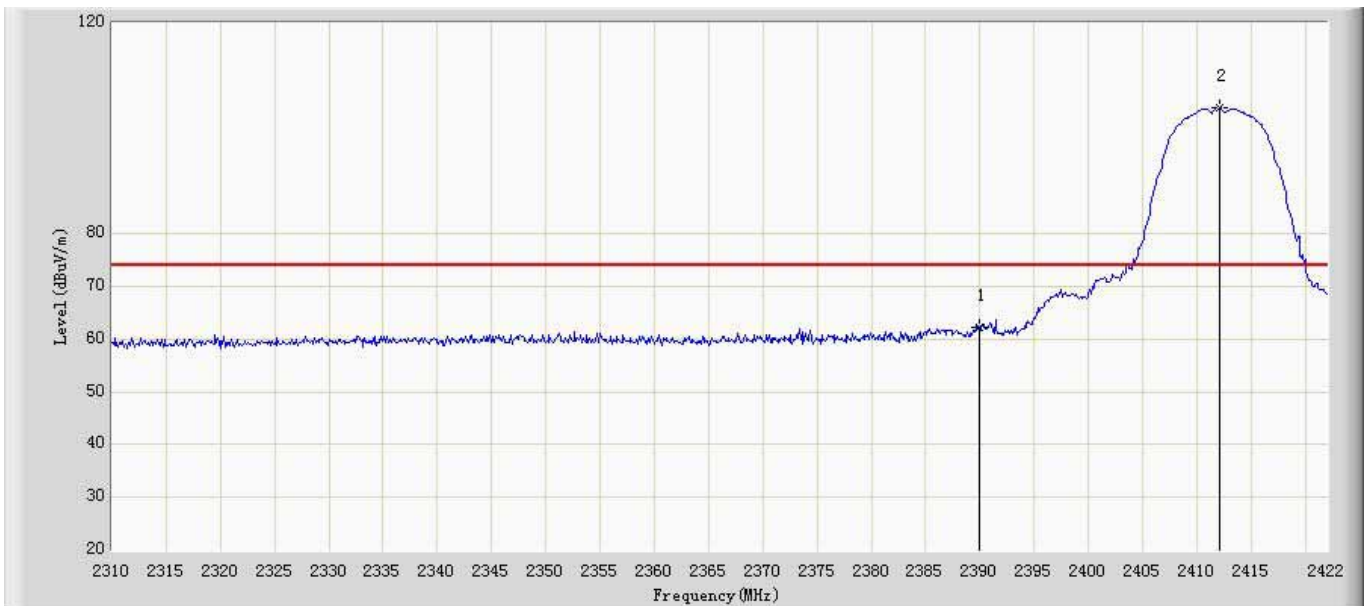
Site: AC102	Time: 2015/06/11 - 17:35
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2452MHz by 802.11n40 Ant 0	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2457.092	86.997	55.777	N/A	N/A	31.220	AV
2		2483.500	49.604	18.309	-4.396	54.000	31.295	AV



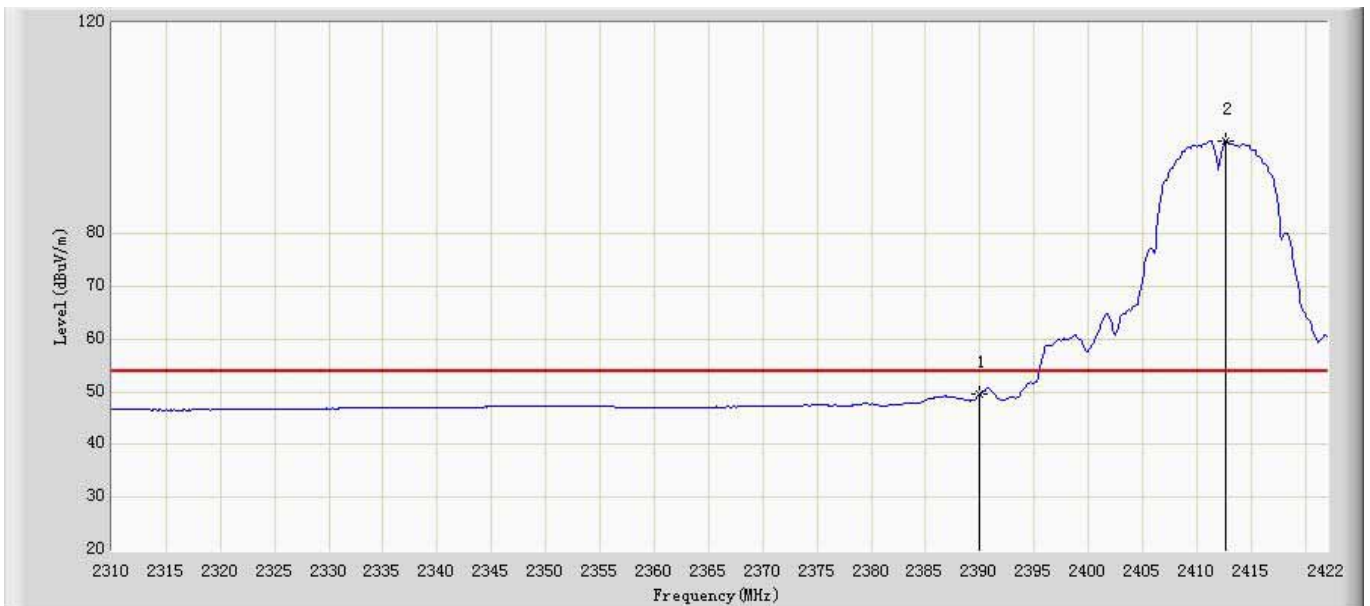
Site: AC102	Time: 2015/06/11 - 17:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode1: TX at channel 2412MHz by 802.11b Ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	62.182	31.147	-11.818	74.000	31.035	PK
2	*	2412.144	104.031	72.935	N/A	N/A	31.096	PK



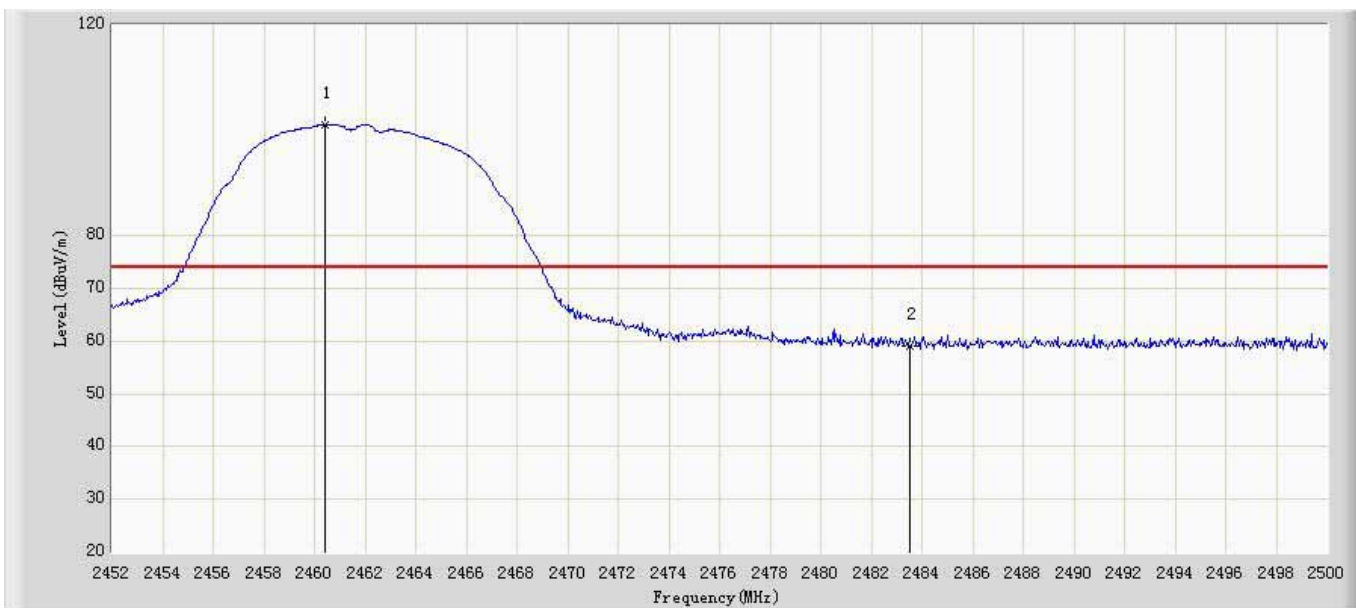
Site: AC102	Time: 2015/06/11 - 17:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode1: TX at channel 2412MHz by 802.11b Ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	49.466	18.431	-4.534	54.000	31.035	AV
2	*	2412.704	97.714	66.616	N/A	N/A	31.098	AV



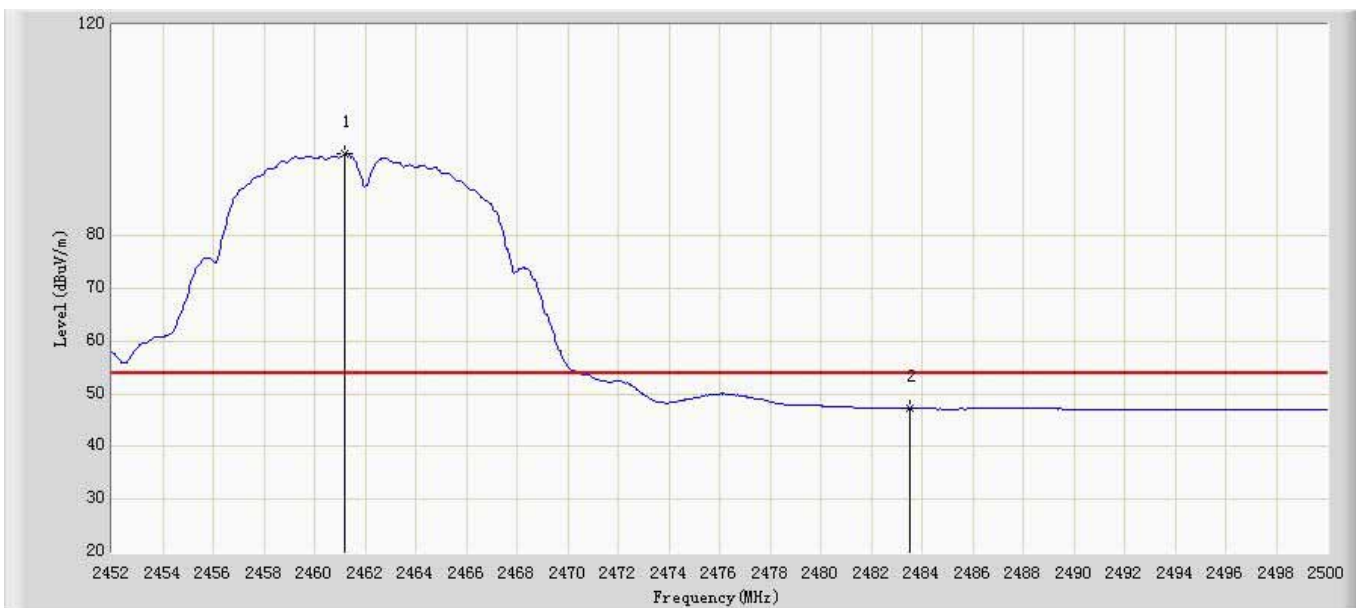
Site: AC102	Time: 2015/06/11 - 17:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode1: TX at channel 2462MHz by 802.11b Ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2460.400	101.008	69.778	N/A	N/A	31.229	PK
2		2483.500	59.175	27.880	-14.825	74.000	31.295	PK



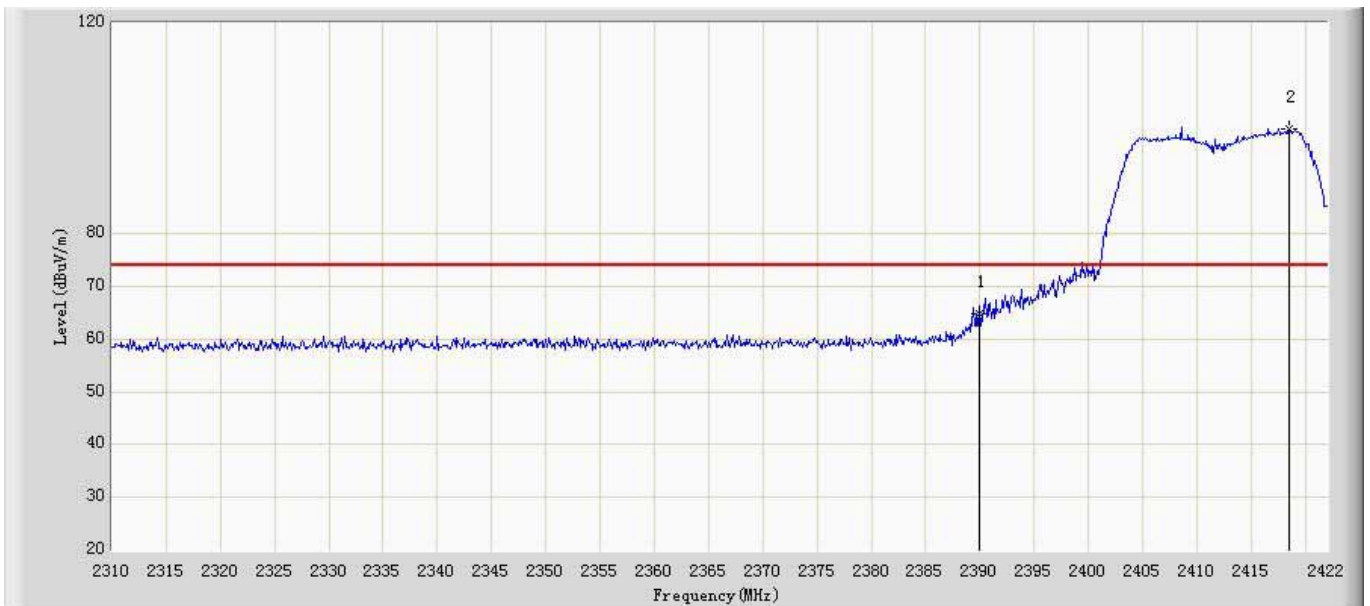
Site: AC102	Time: 2015/06/11 - 17:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode1: TX at channel 2462MHz by 802.11b Ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2461.216	95.477	64.245	N/A	N/A	31.232	AV
2		2483.500	47.401	16.106	-6.599	54.000	31.295	AV



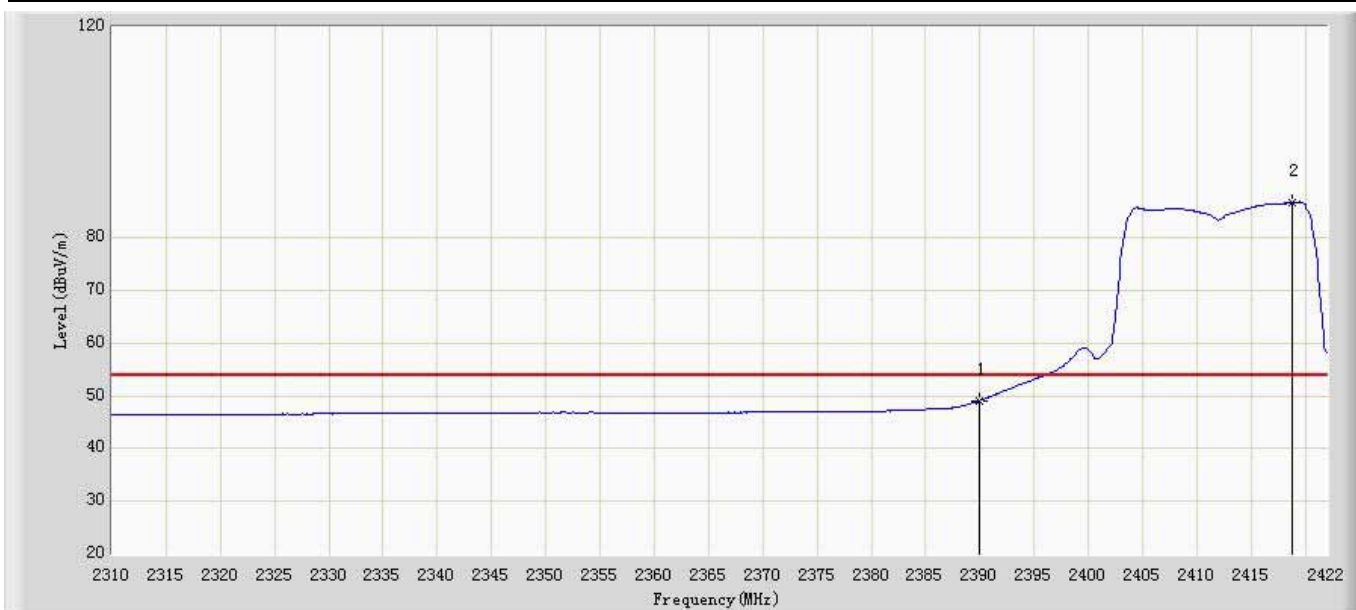
Site: AC102	Time: 2015/06/11 - 17:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode1: TX at channel 2412MHz by 802.11g Ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	64.839	33.804	-9.161	74.000	31.035	PK
2	*	2418.528	100.021	68.908	N/A	N/A	31.113	PK



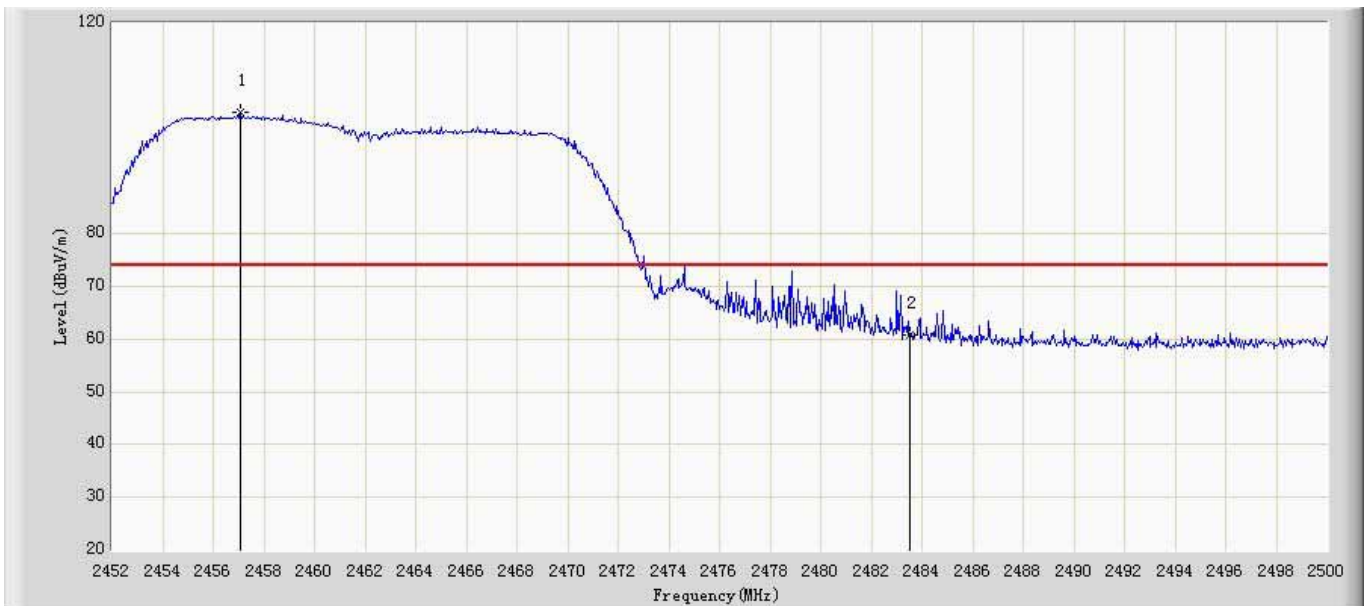
Site: AC102	Time: 2015/06/11 - 17:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode1: TX at channel 2412MHz by 802.11g Ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	49.127	18.092	-4.873	54.000	31.035	AV
2	*	2418.864	86.656	55.542	N/A	N/A	31.114	AV



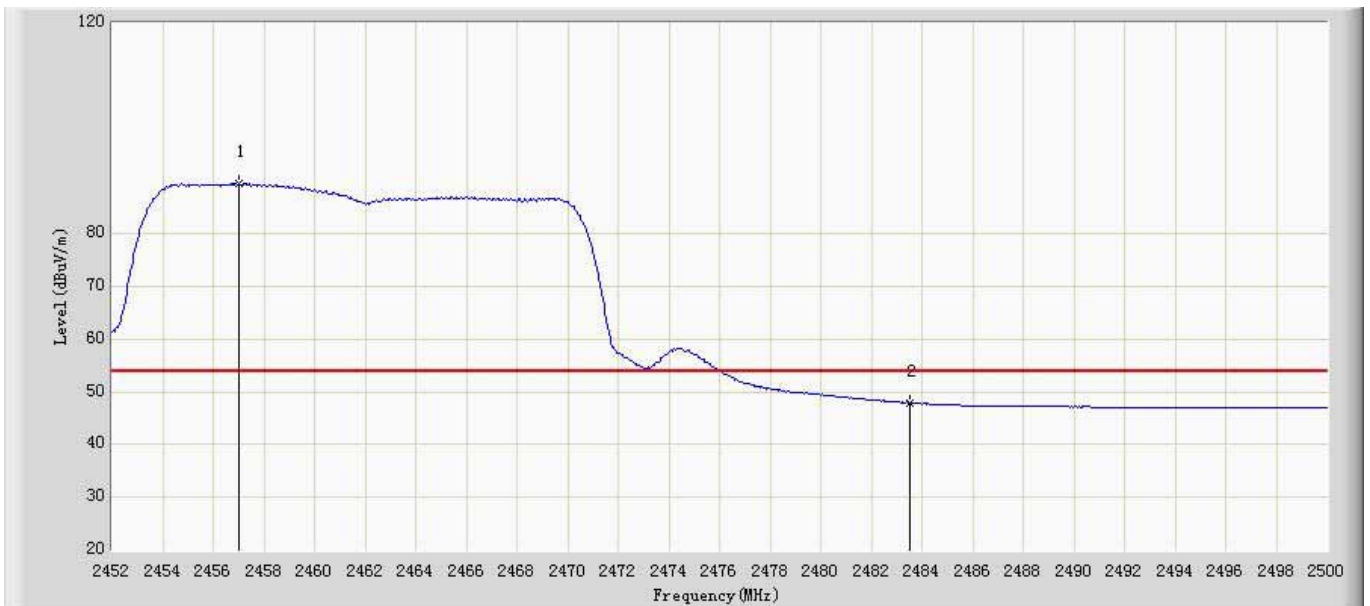
Site: AC102	Time: 2015/06/11 - 17:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode1: TX at channel 2462MHz by 802.11g Ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2457.088	103.029	71.809	N/A	N/A	31.220	PK
2		2483.500	60.730	29.435	-13.270	74.000	31.295	PK



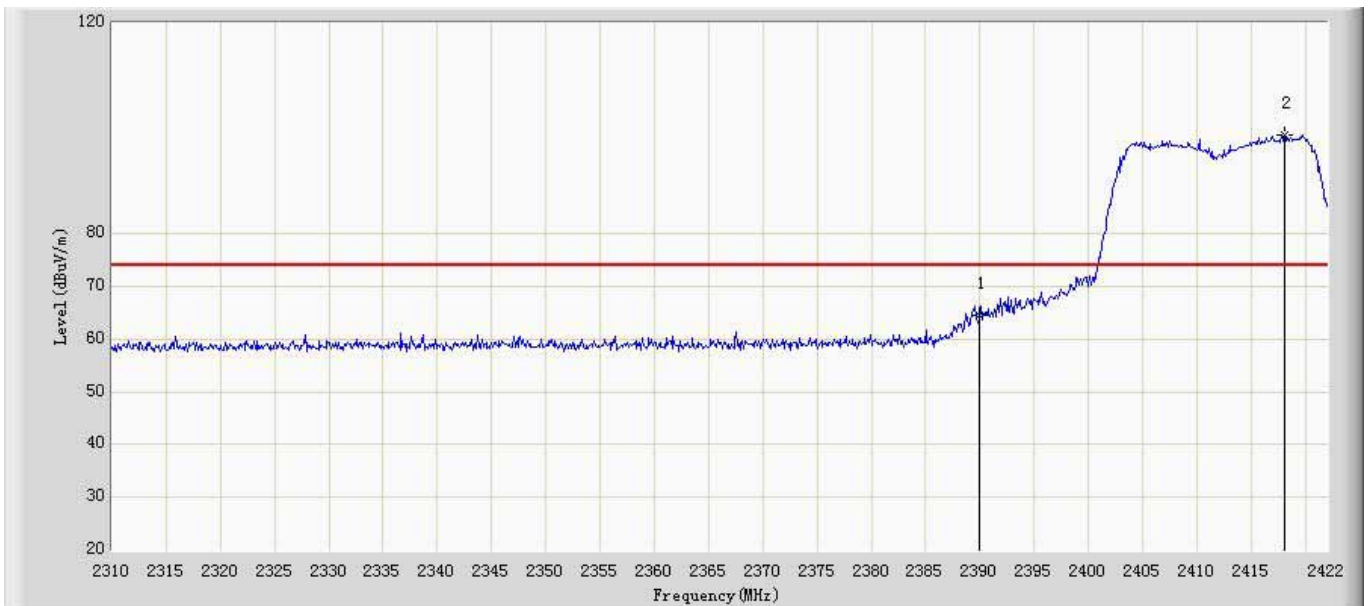
Site: AC102	Time: 2015/06/11 - 17:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode1: TX at channel 2462MHz by 802.11g Ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2457.040	89.422	58.202	N/A	N/A	31.220	AV
2		2483.500	47.954	16.659	-6.046	54.000	31.295	AV



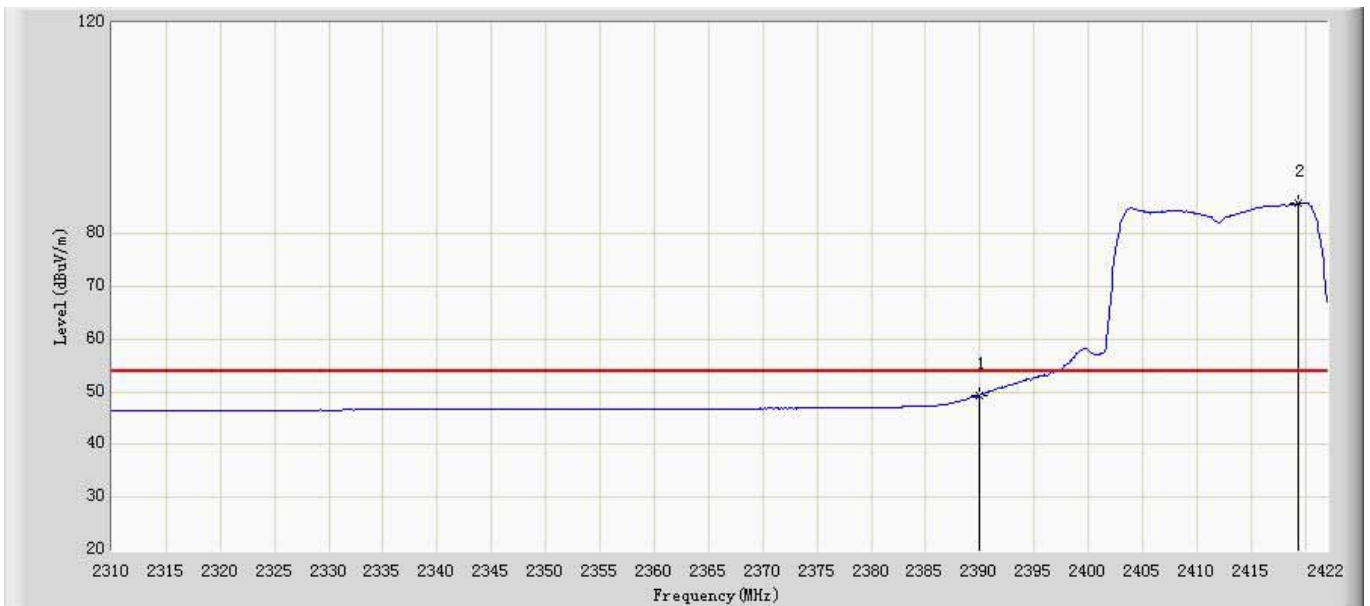
Site: AC102	Time: 2015/06/11 - 17:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode3: TX at channel 2412MHz by 802.11n20 Ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	64.592	33.557	-9.408	74.000	31.035	PK
2	*	2418.080	98.599	67.487	N/A	N/A	31.112	PK



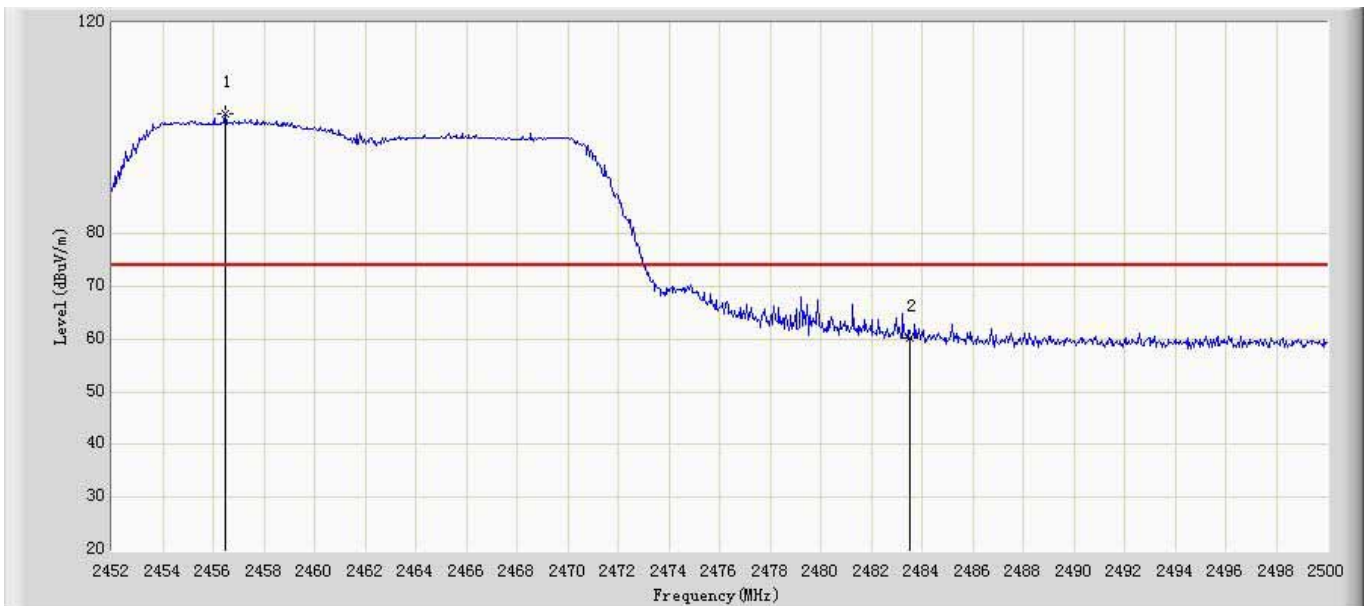
Site: AC102	Time: 2015/06/11 - 17:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode3: TX at channel 2412MHz by 802.11n20 Ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	49.446	18.411	-4.554	54.000	31.035	AV
2	*	2419.312	85.778	54.663	N/A	N/A	31.116	AV



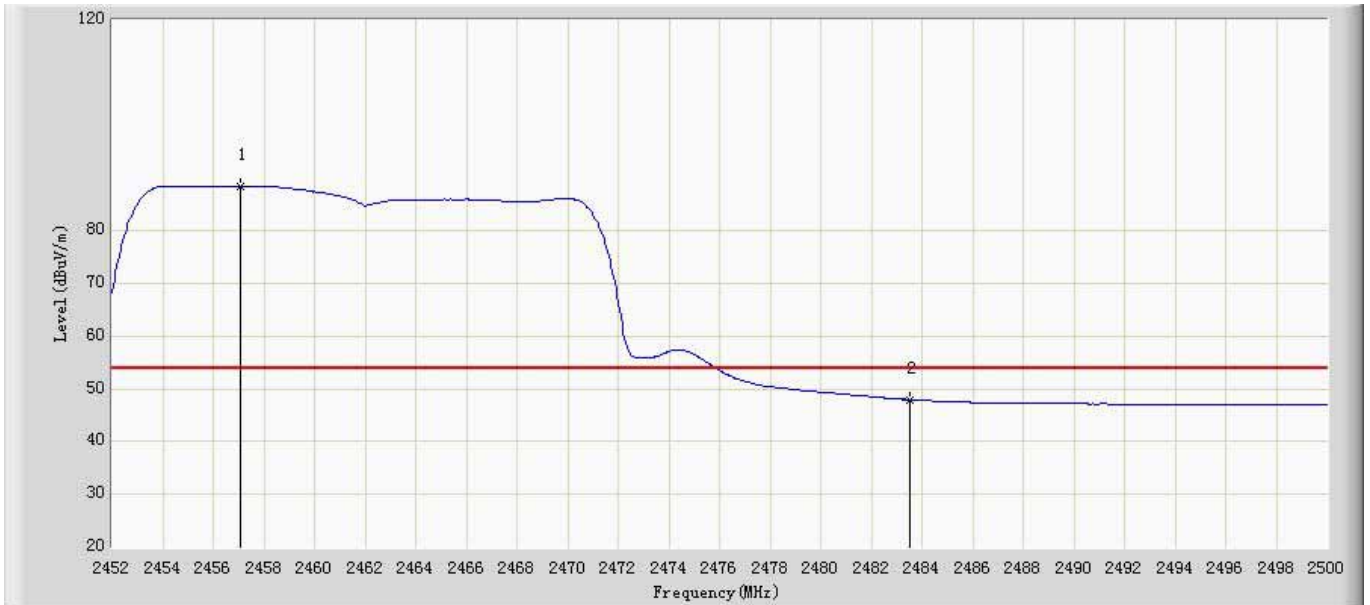
Site: AC102	Time: 2015/06/11 - 17:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode3: TX at channel 2462MHz by 802.11n20 Ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2456.464	102.618	71.400	N/A	N/A	31.218	PK
2		2483.500	60.368	29.073	-13.632	74.000	31.295	PK



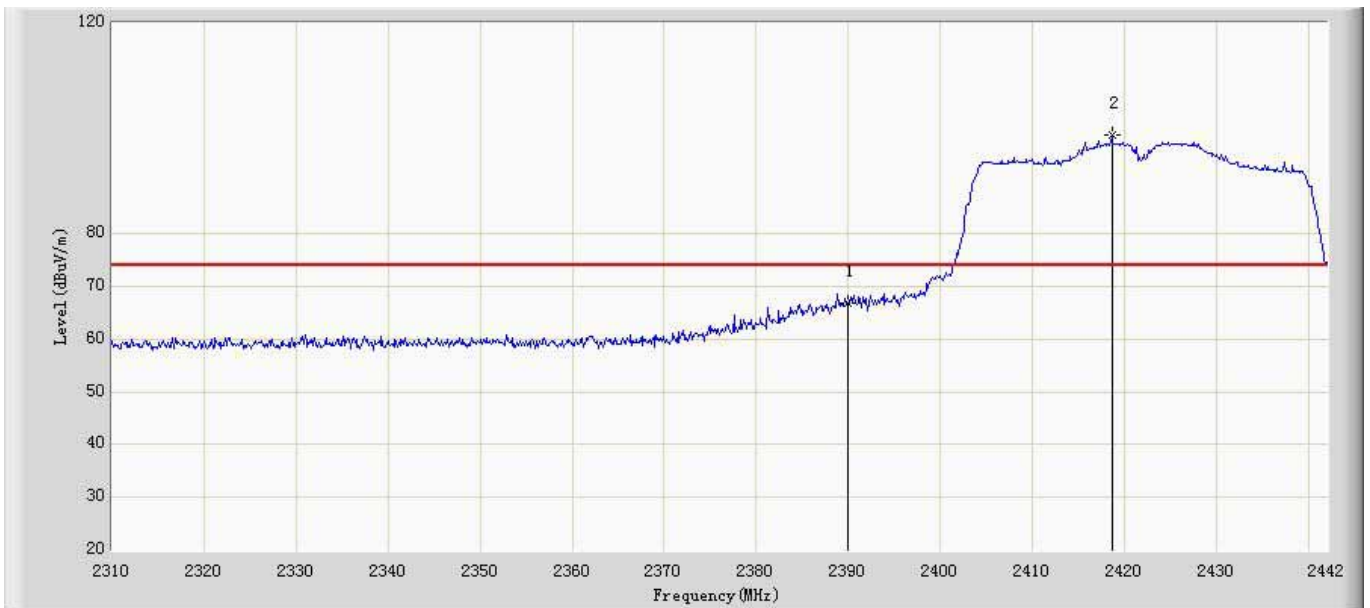
Site: AC102	Time: 2015/06/11 - 17:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode3: TX at channel 2462MHz by 802.11n20 Ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2457.088	88.481	57.261	N/A	N/A	31.220	AV
2		2483.500	48.002	16.707	-5.998	54.000	31.295	AV



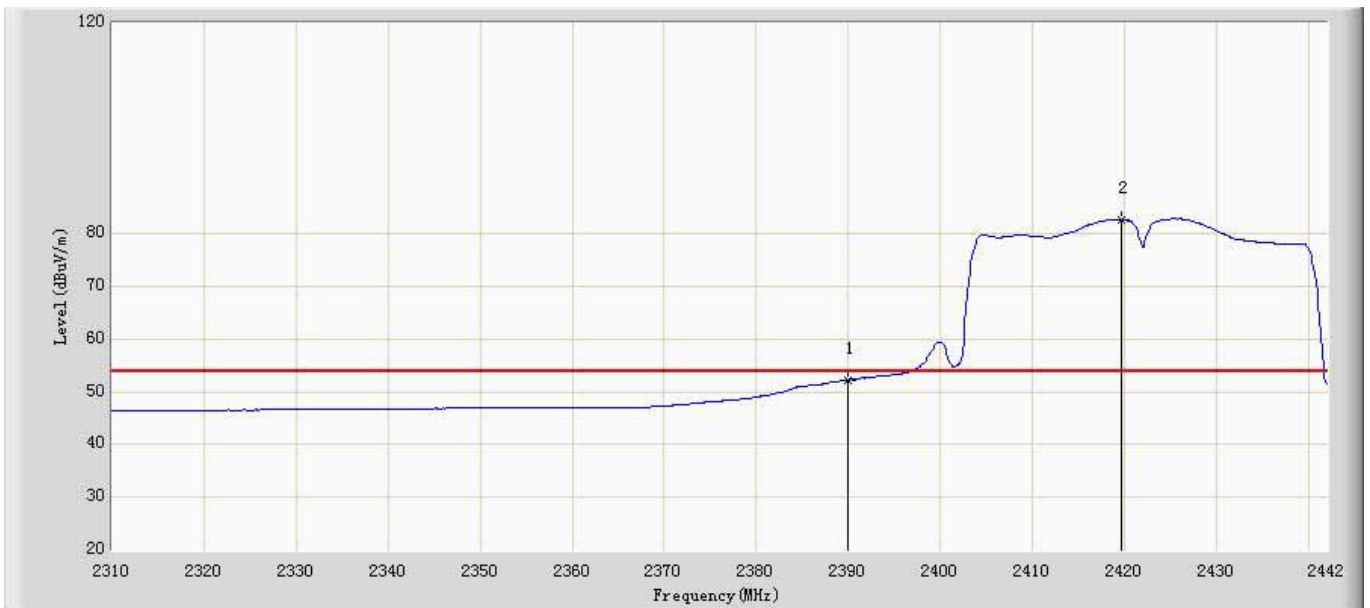
Site: AC102	Time: 2015/06/11 - 17:45
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2422MHz by 802.11n40 Ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	66.838	35.803	-7.162	74.000	31.035	PK
2	*	2418.636	98.653	67.539	N/A	N/A	31.113	PK



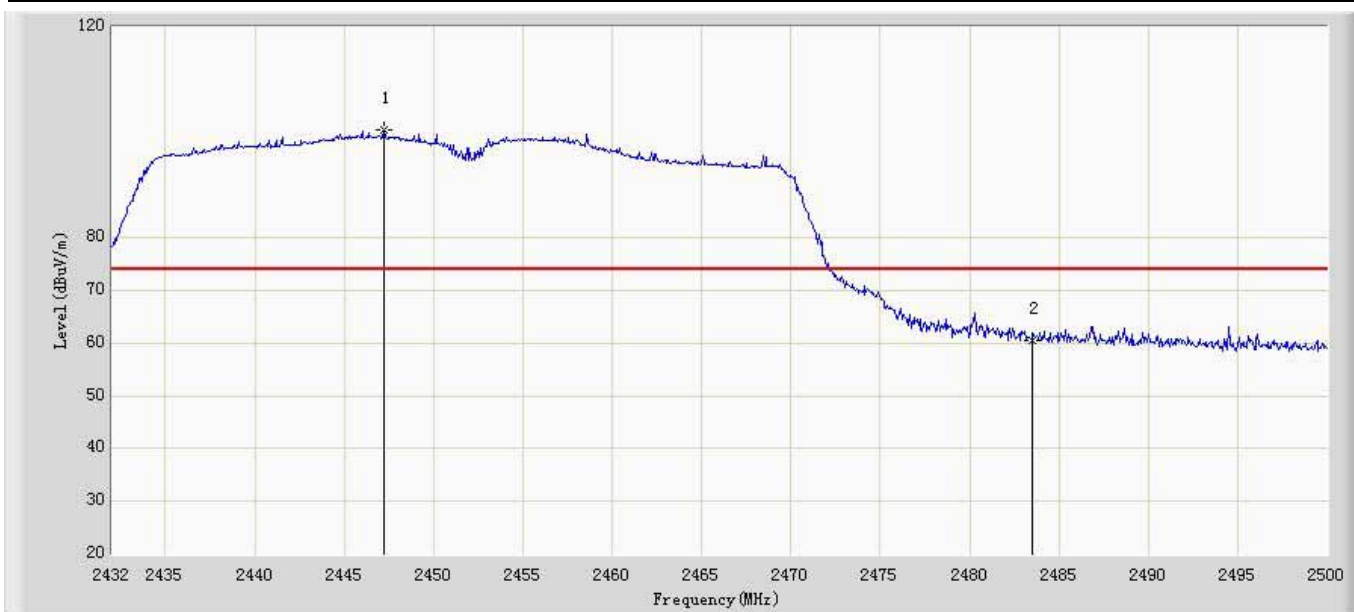
Site: AC102	Time: 2015/06/11 - 17:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2422MHz by 802.11n40 Ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	52.306	21.271	-1.694	54.000	31.035	AV
2	*	2419.692	82.648	51.532	N/A	N/A	31.116	AV



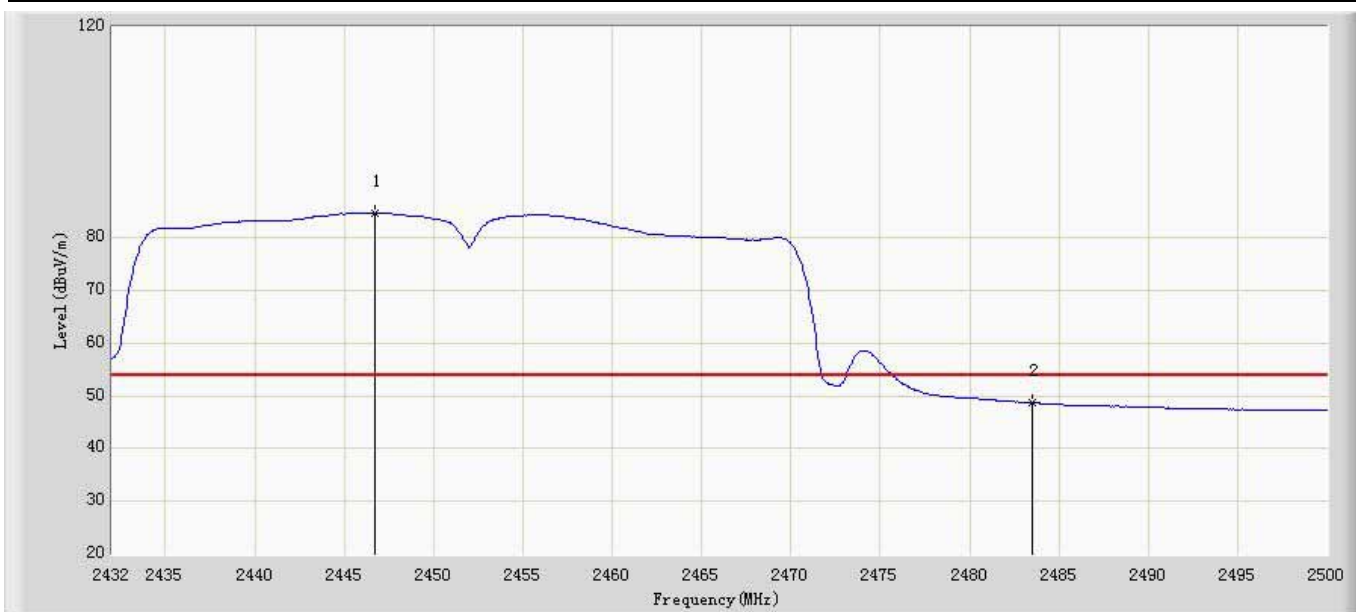
Site: AC102	Time: 2015/06/11 - 17:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2452MHz by 802.11n40 Ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2447.232	100.578	69.386	N/A	N/A	31.192	PK
2		2483.500	60.626	29.331	-13.374	74.000	31.295	PK



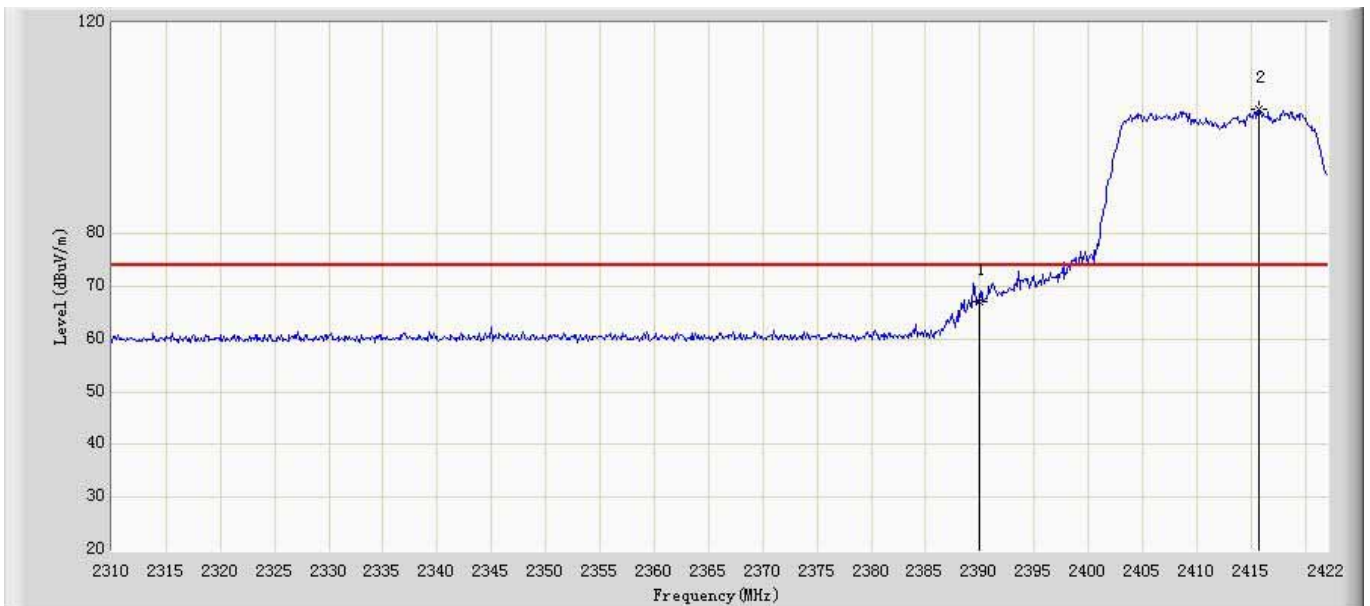
Site: AC102	Time: 2015/06/11 - 17:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2452MHz by 802.11n40 Ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2446.756	84.768	53.577	N/A	N/A	31.191	AV
2		2483.500	48.700	17.405	-5.300	54.000	31.295	AV



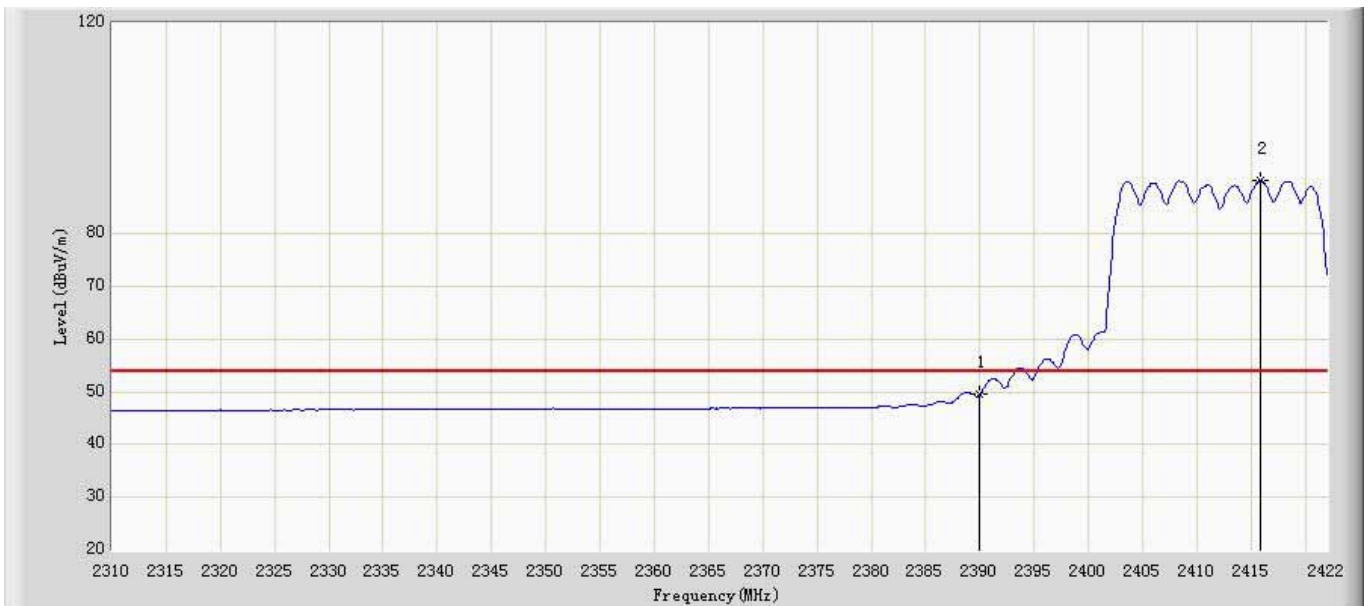
Site: AC102	Time: 2015/06/12 - 09:13
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2412MHz by 802.11n20 Ant 0+1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	67.023	35.988	-6.977	74.000	31.035	PK
2	*	2415.728	103.527	72.421	N/A	N/A	31.106	PK



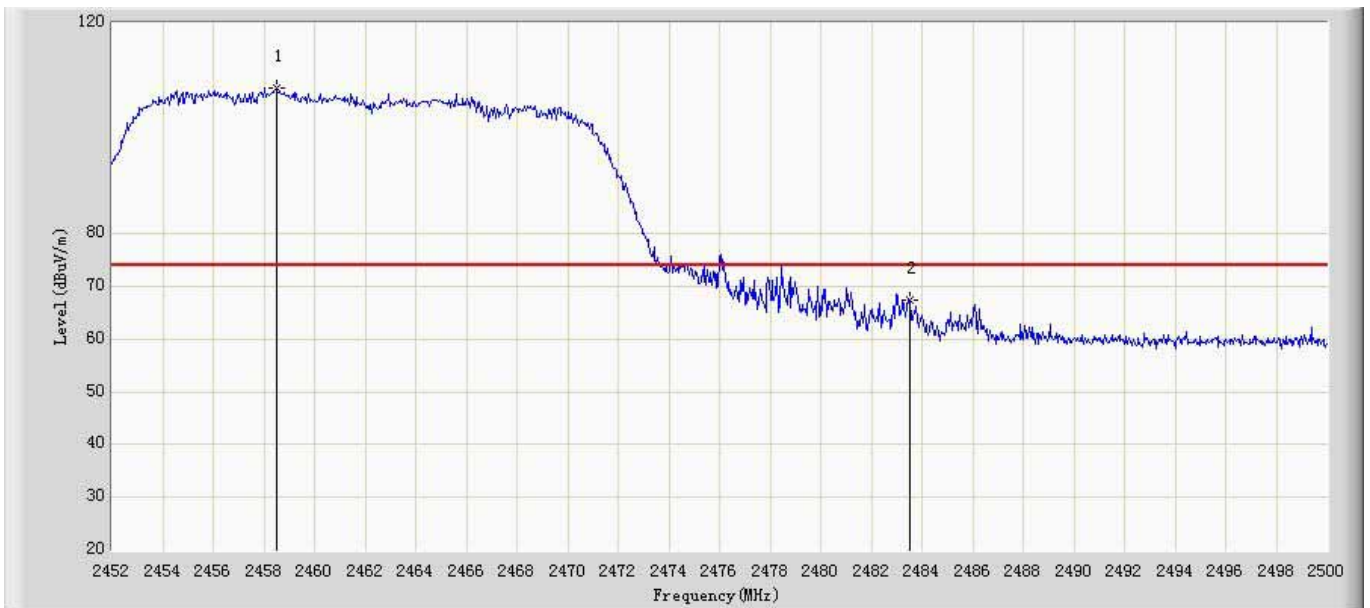
Site: AC102	Time: 2015/06/12 - 09:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2412MHz by 802.11n20 Ant 0+1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	49.472	18.437	-4.528	54.000	31.035	AV
2	*	2415.840	90.123	59.017	N/A	N/A	31.107	AV



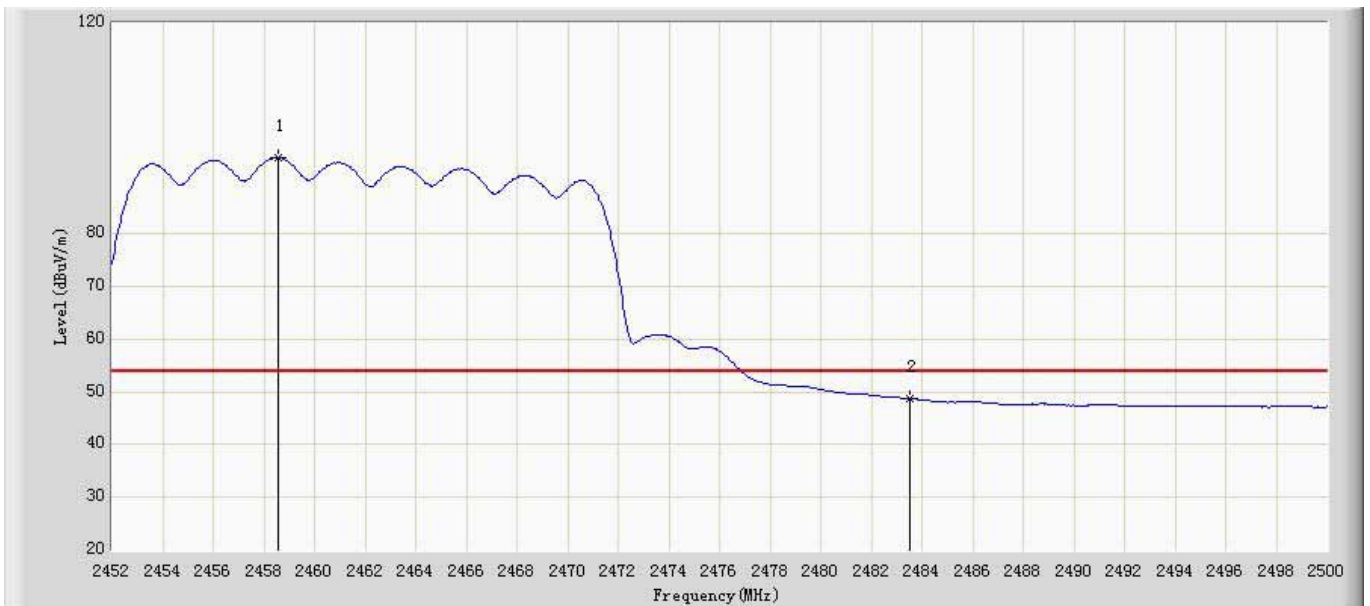
Site: AC102	Time: 2015/06/12 - 09:18
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2462MHz by 802.11n20 Ant 0+1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2458.480	107.510	76.286	N/A	N/A	31.225	PK
2		2483.500	67.368	36.073	-6.632	74.000	31.295	PK



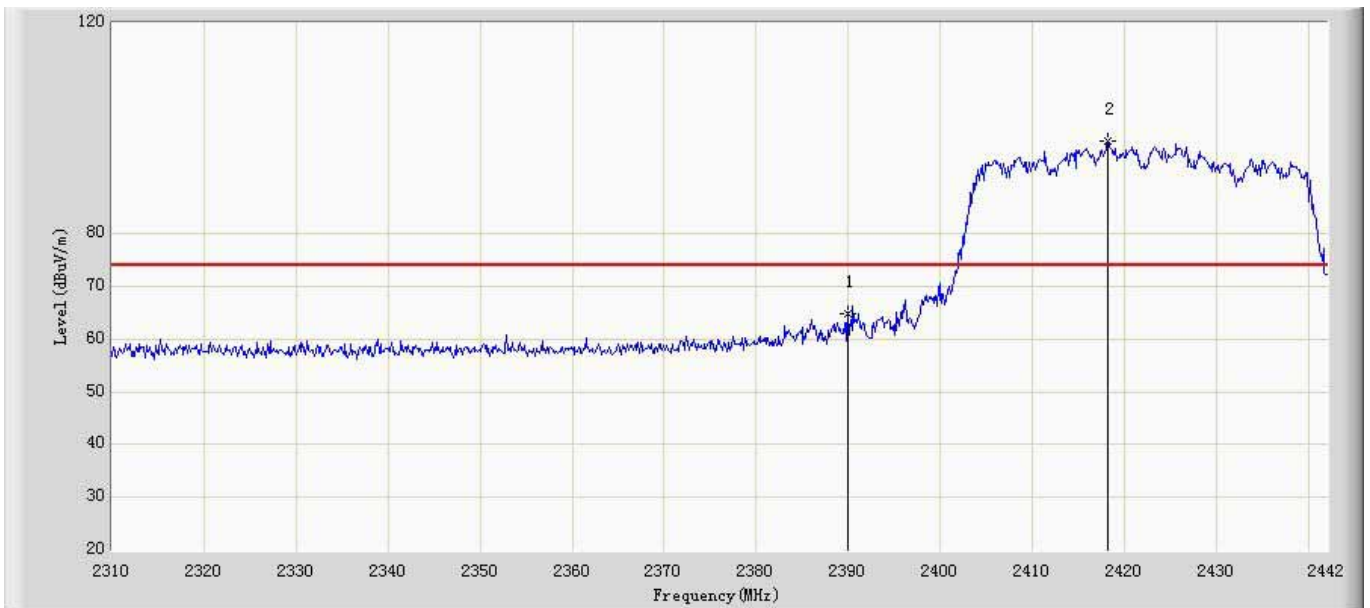
Site: AC102	Time: 2015/06/12 - 09:19
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2462MHz by 802.11n20 Ant 0+1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2458.576	94.386	63.162	N/A	N/A	31.225	AV
2		2483.500	48.764	17.469	-5.236	54.000	31.295	AV



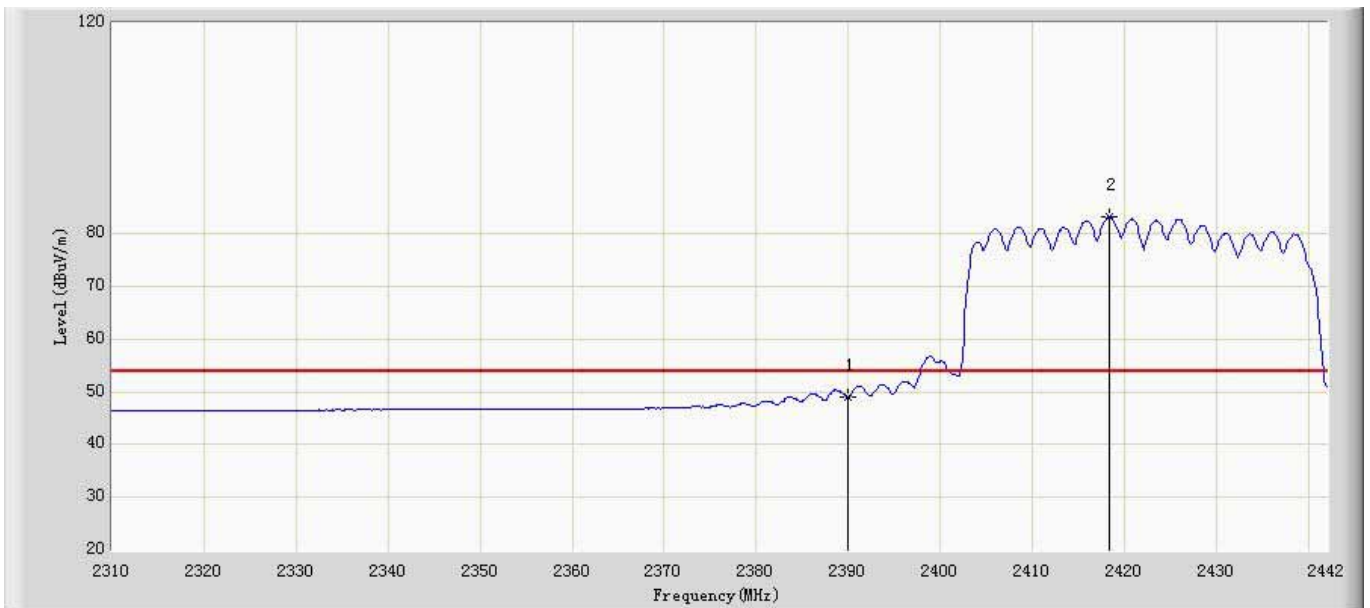
Site: AC102	Time: 2015/06/12 - 09:20
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2422MHz by 802.11n40 Ant 0+1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	64.913	33.878	-9.087	74.000	31.035	PK
2	*	2418.240	97.548	66.435	N/A	N/A	31.113	PK



Site: AC102	Time: 2015/06/12 - 09:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2422MHz by 802.11n40 Ant 0+1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	49.001	17.966	-4.999	54.000	31.035	AV
2	*	2418.372	83.238	52.125	N/A	N/A	31.113	AV



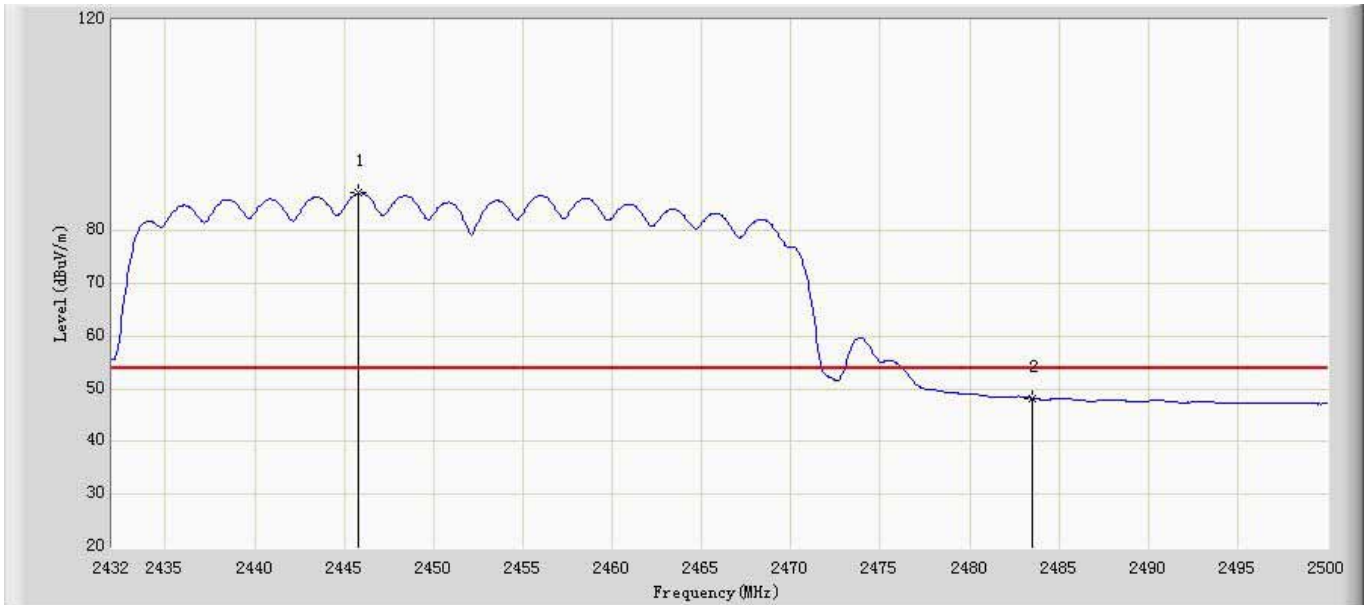
Site: AC102	Time: 2015/06/12 - 09:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2452MHz by 802.11n40 Ant 0+1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2445.872	96.729	65.541	N/A	N/A	31.189	PK
2		2483.500	59.944	28.649	-14.056	74.000	31.295	PK



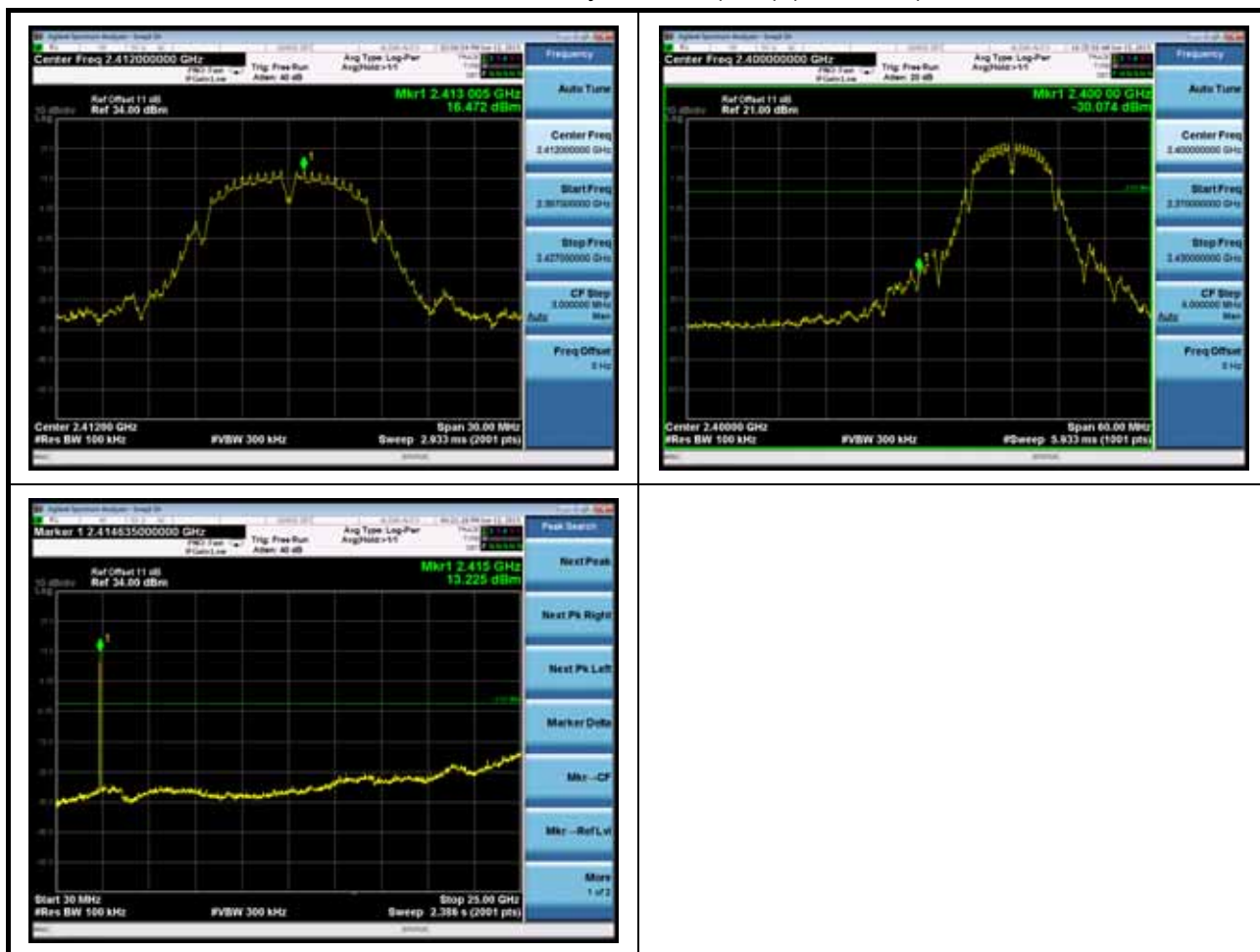
Site: AC102	Time: 2015/06/12 - 09:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D(1-18GHz)	Polarity: Horizontal
EUT: VMG3925-B10A	Power: 120V/60Hz
Note: Mode4: TX at channel 2452MHz by 802.11n40 Ant 0+1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2445.804	87.114	55.926	N/A	N/A	31.188	AV
2		2483.500	48.209	16.914	-5.791	54.000	31.295	AV

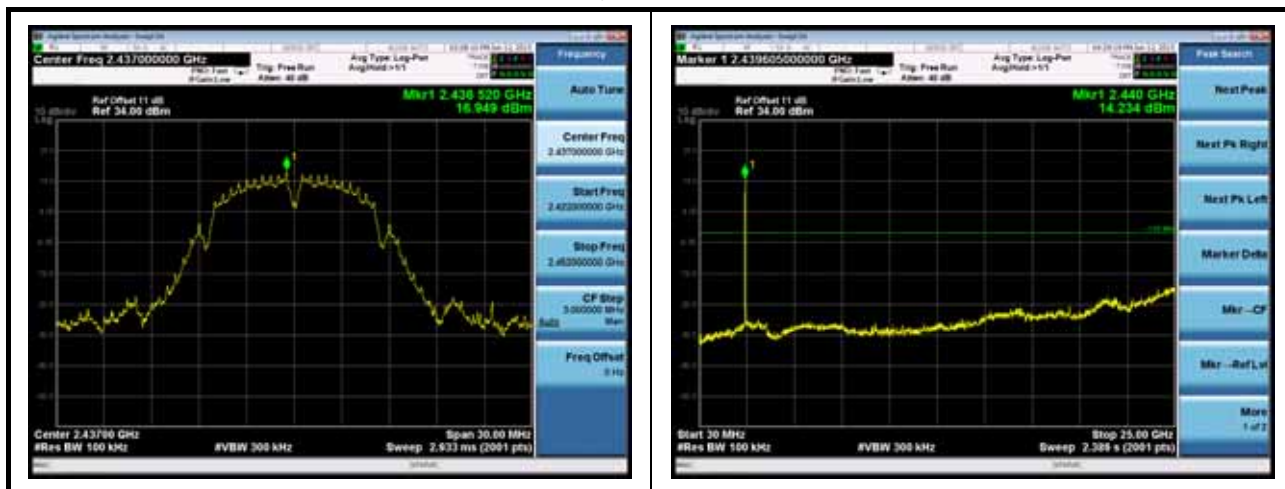
**Band Edge (20dBc RF Conducted Measurement)**

Mode 1: Transmit by 802.11b (An0) (2412MHz)

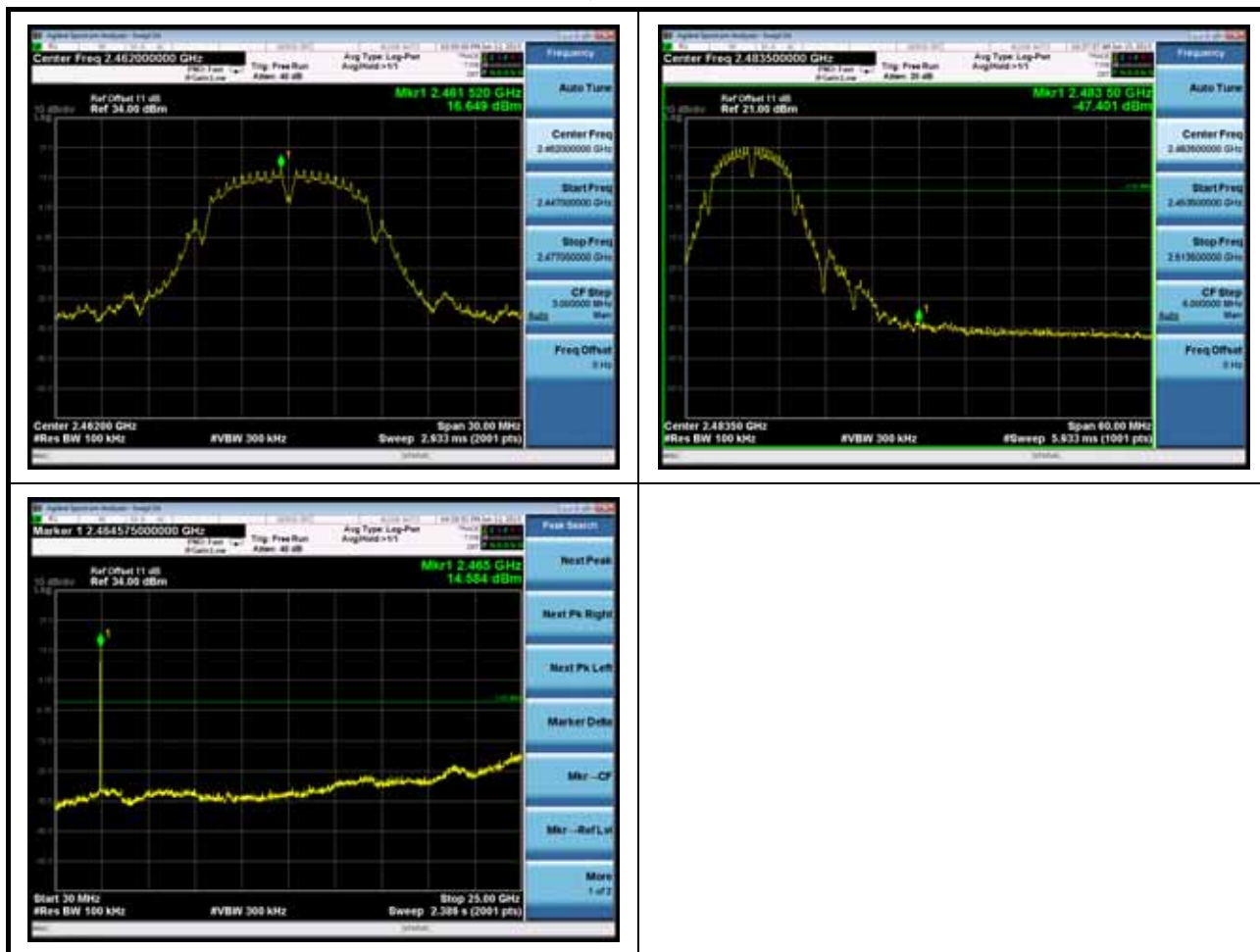




Mode 1: Transmit by 802.11b (An0) (2437MHz)

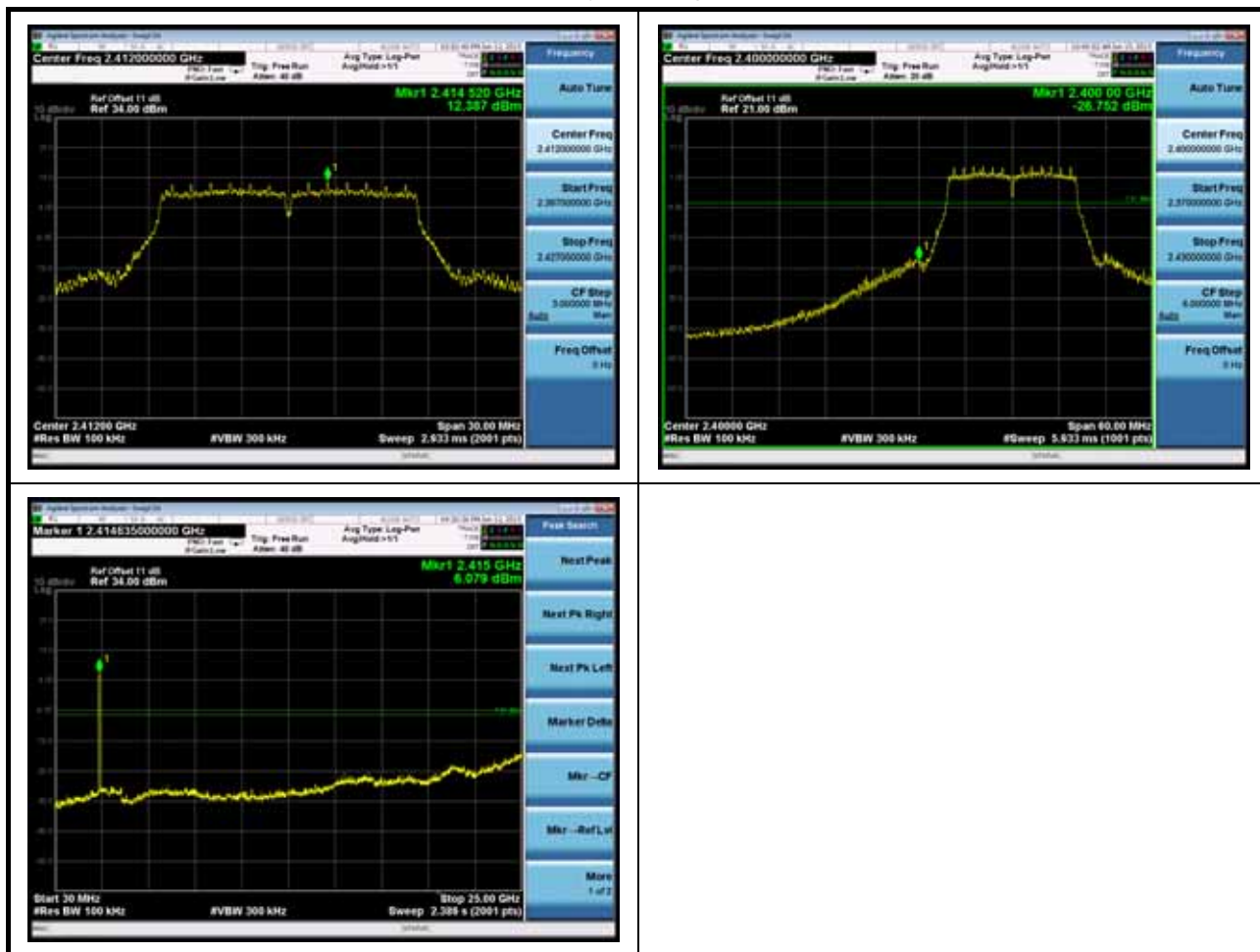


Mode 1: Transmit by 802.11b (An0) (2462MHz)



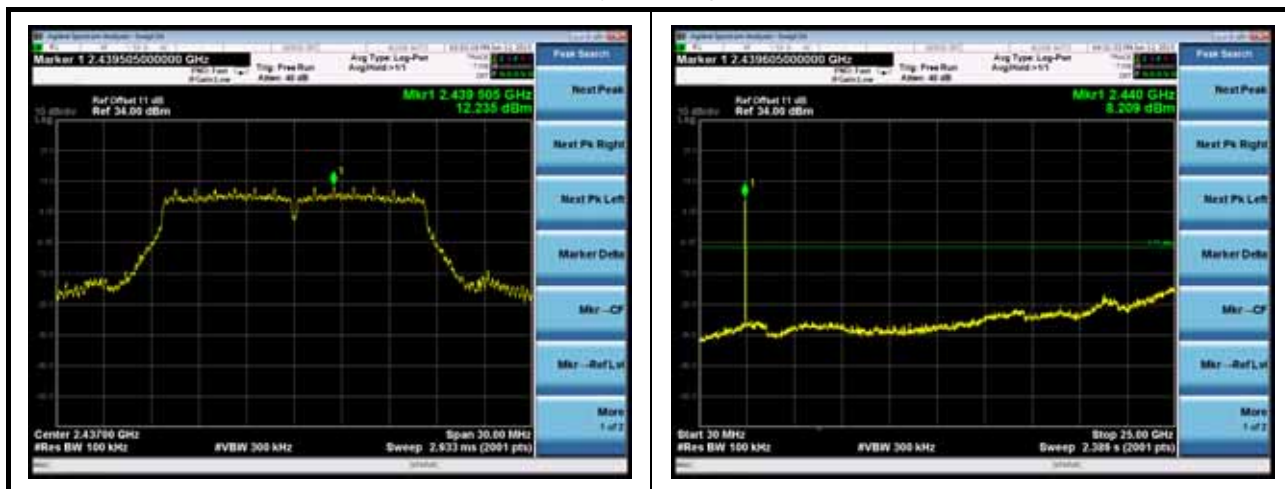


Mode 2: Transmit by 802.11g (An0) (2412MHz)

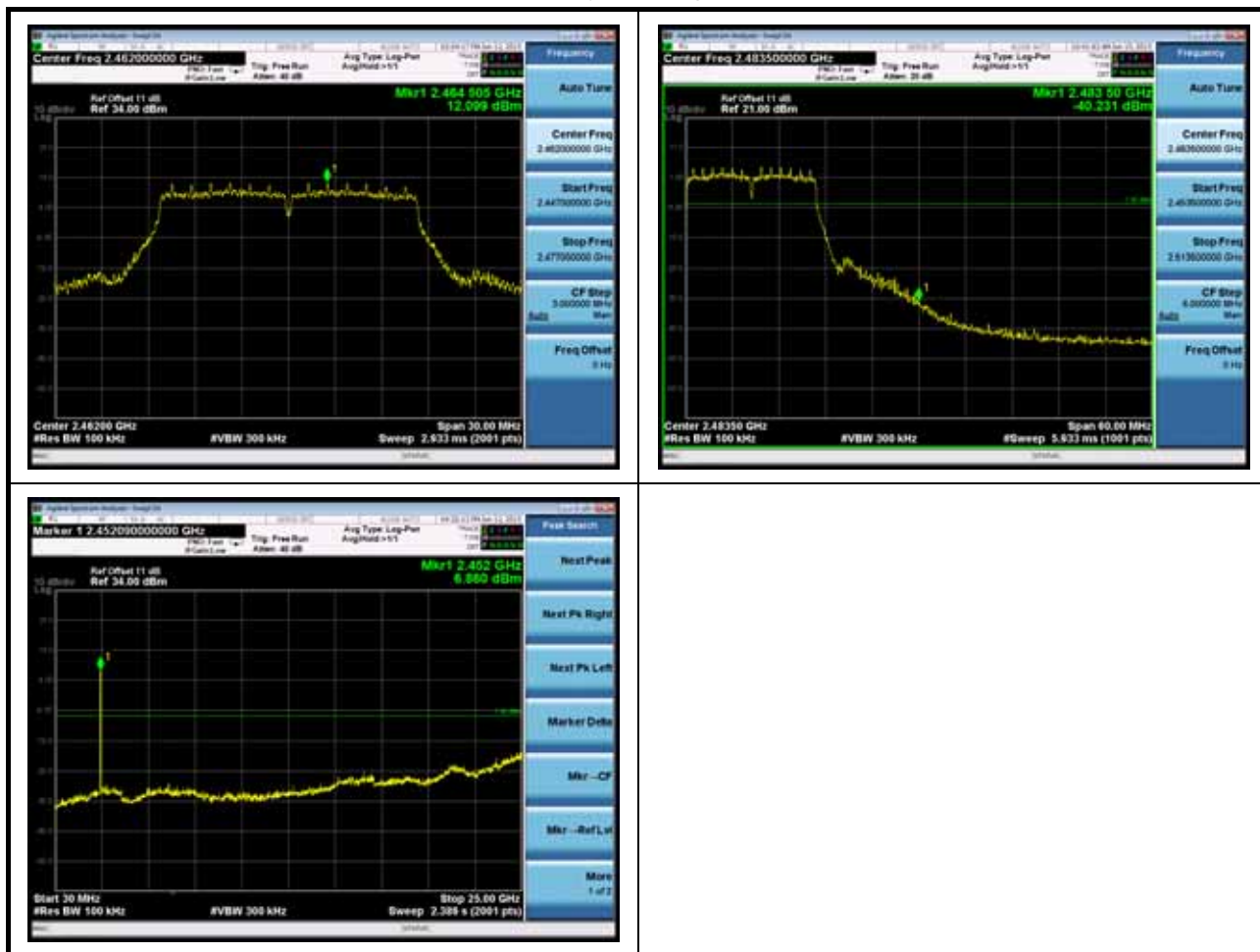




Mode 2: Transmit by 802.11g (An0) (2437MHz)

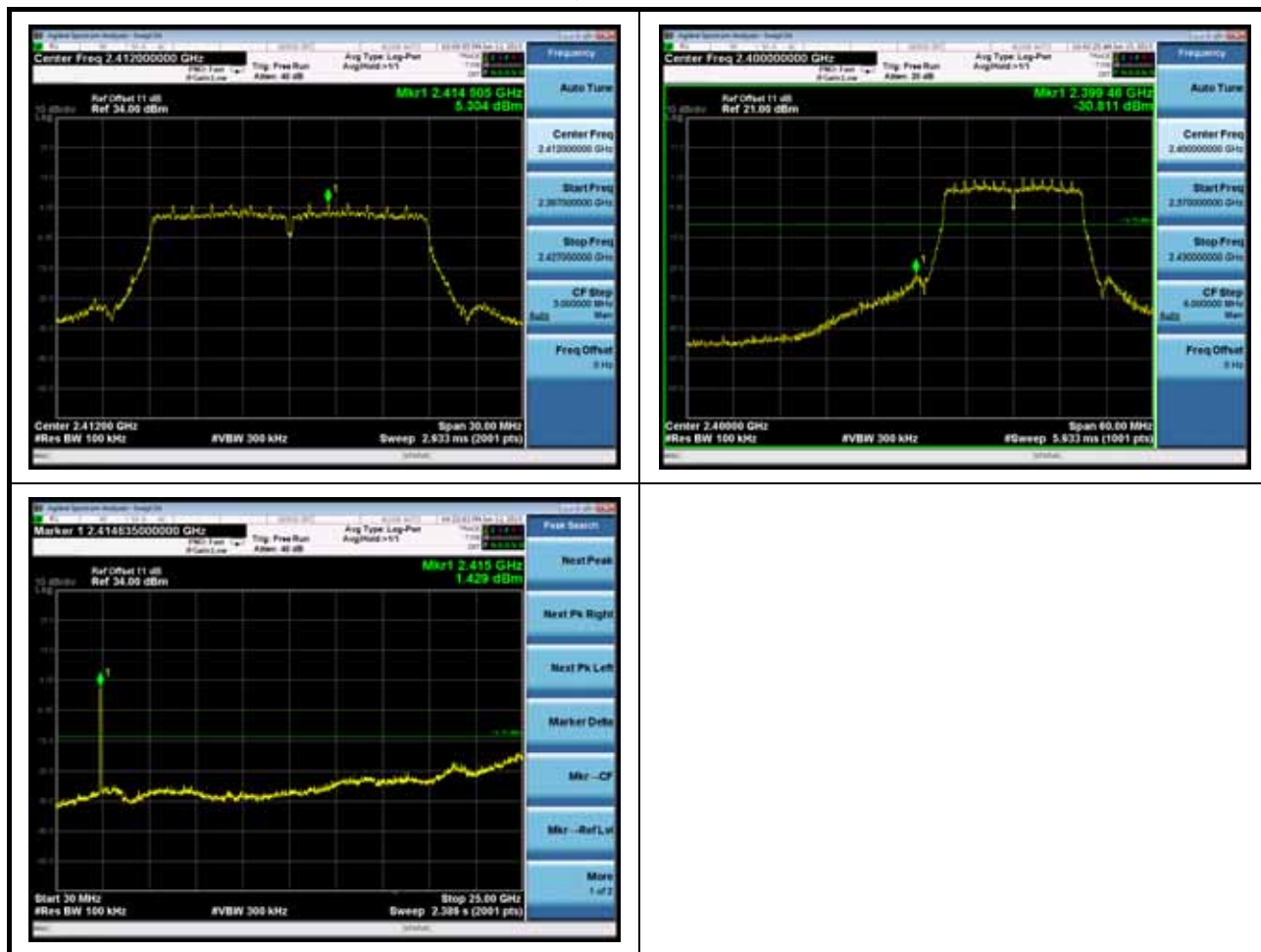


Mode 2: Transmit by 802.11g (An0) (2462MHz)



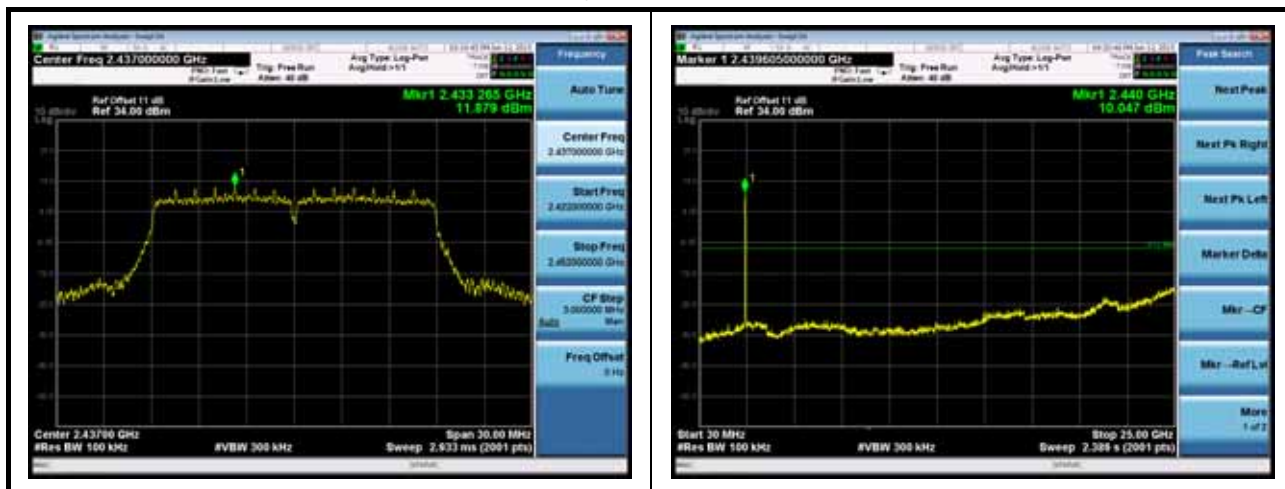


Mode 3: Transmit by 802.11n20 (An0) (2412MHz)

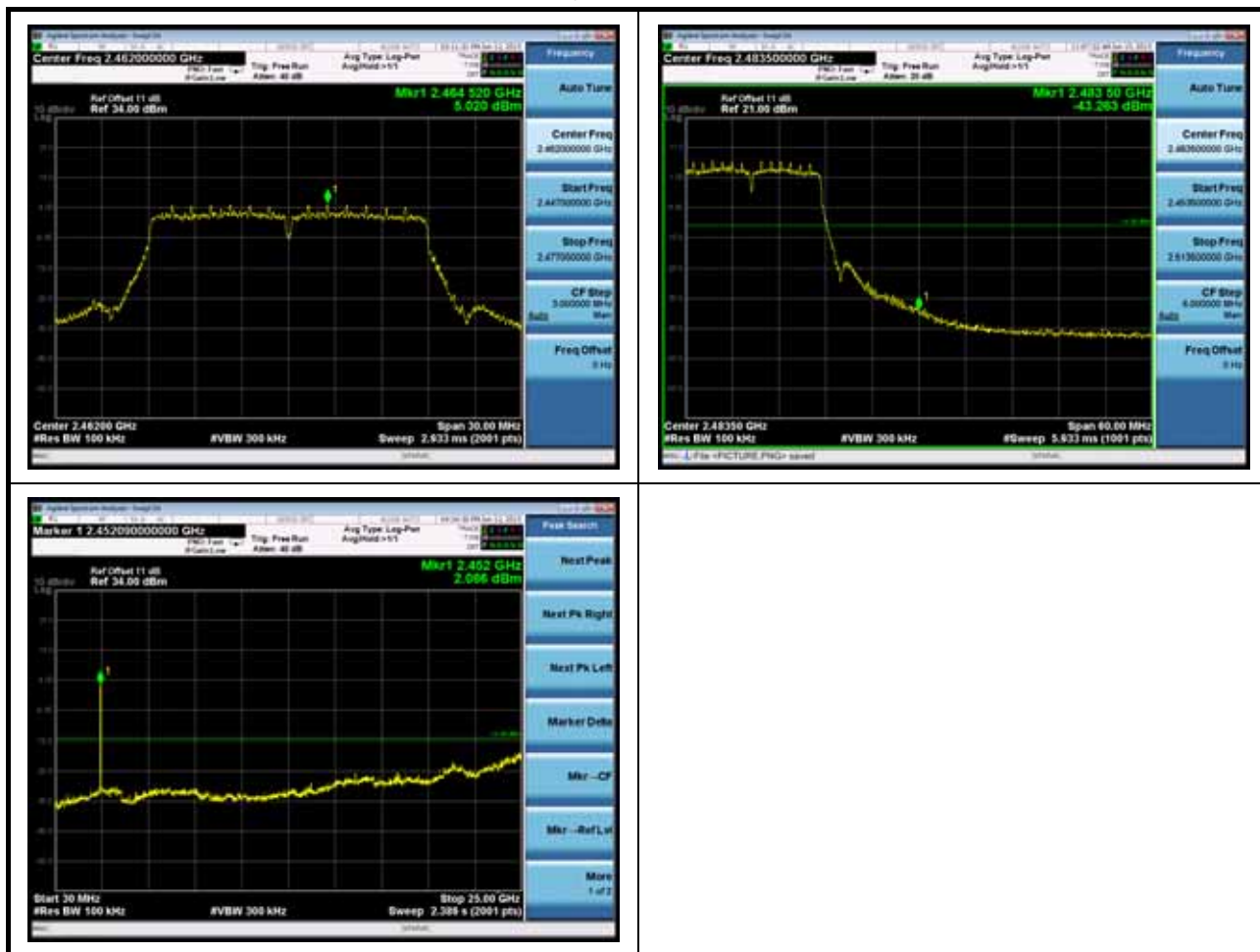




Mode 3: Transmit by 802.11n20 (An0) (2437MHz)

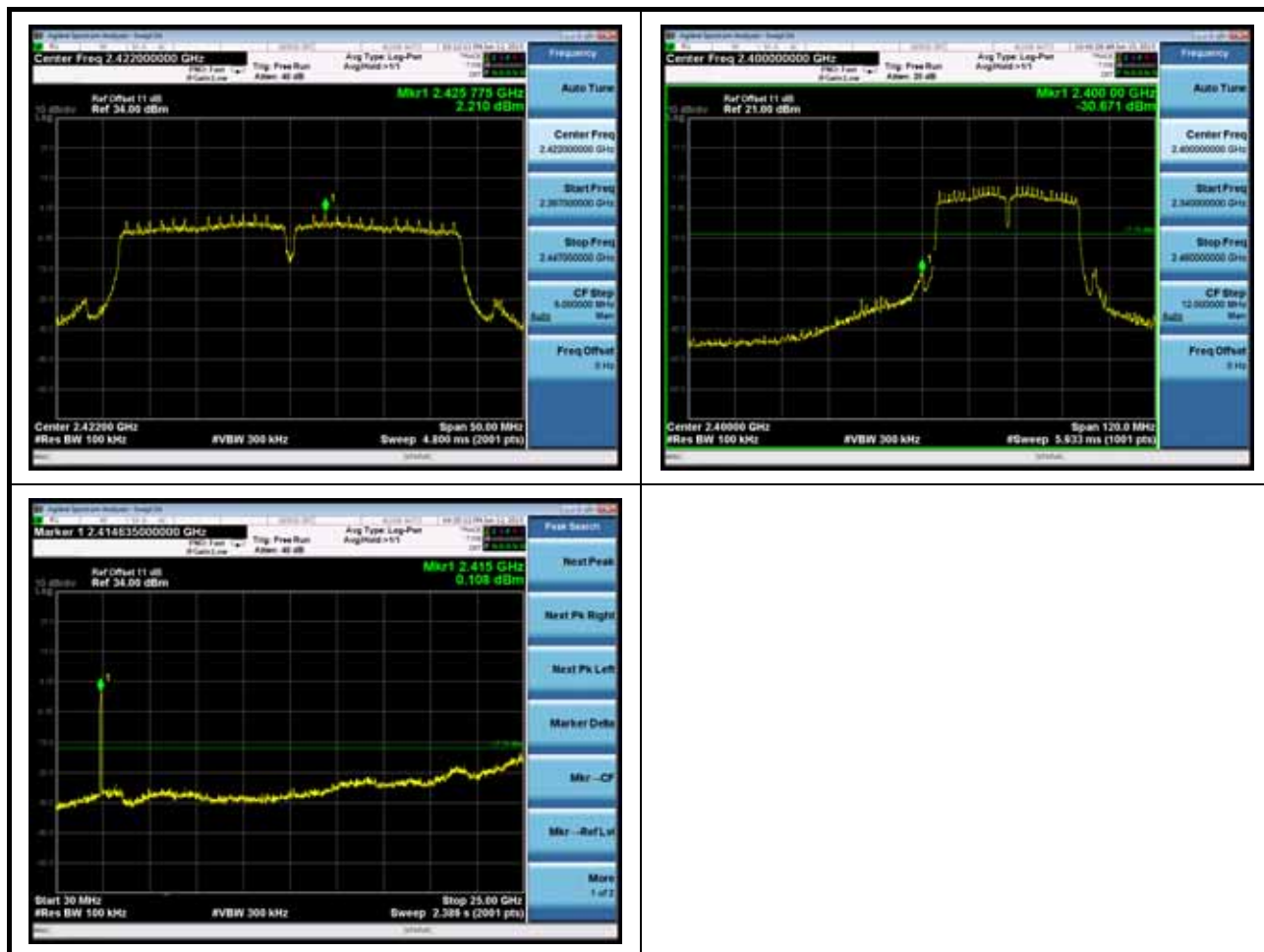


Mode 3: Transmit by 802.11n20 (An0) (2462MHz)



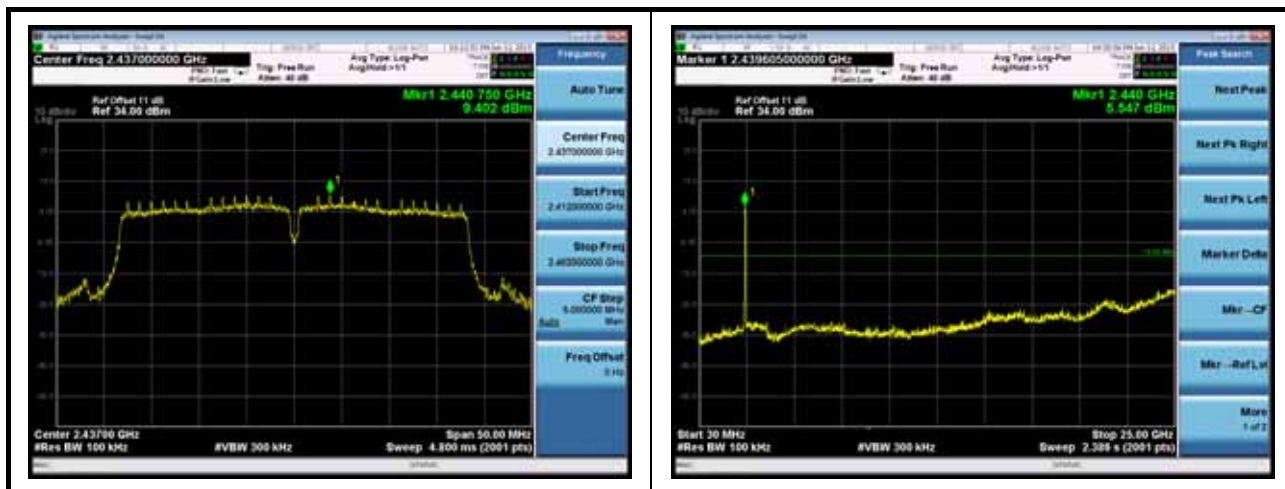


Mode 4: Transmit by 802.11n (40MHz) (An0) (2422MHz)

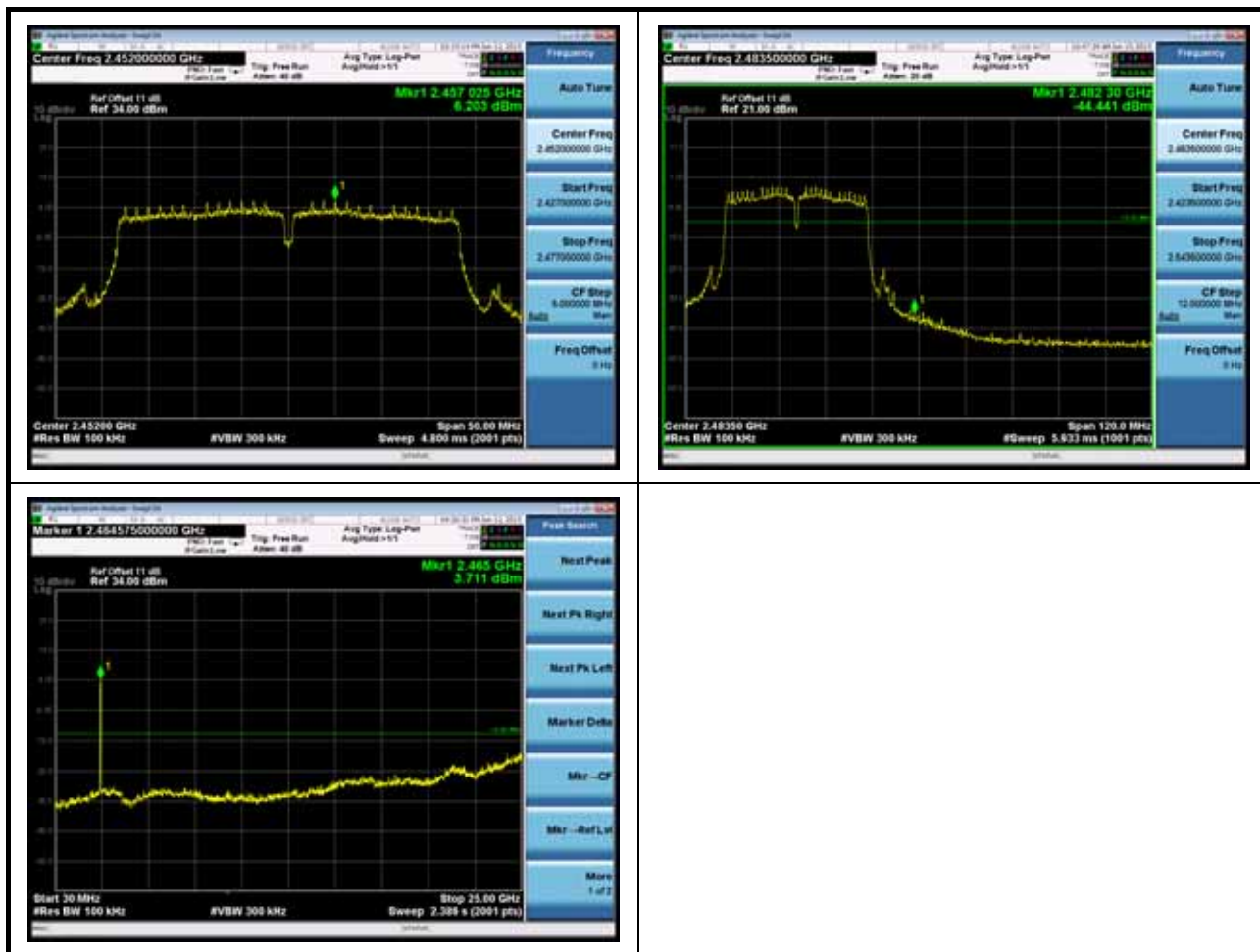




Mode 4: Transmit by 802.11n (40MHz) (An0) (2437MHz)

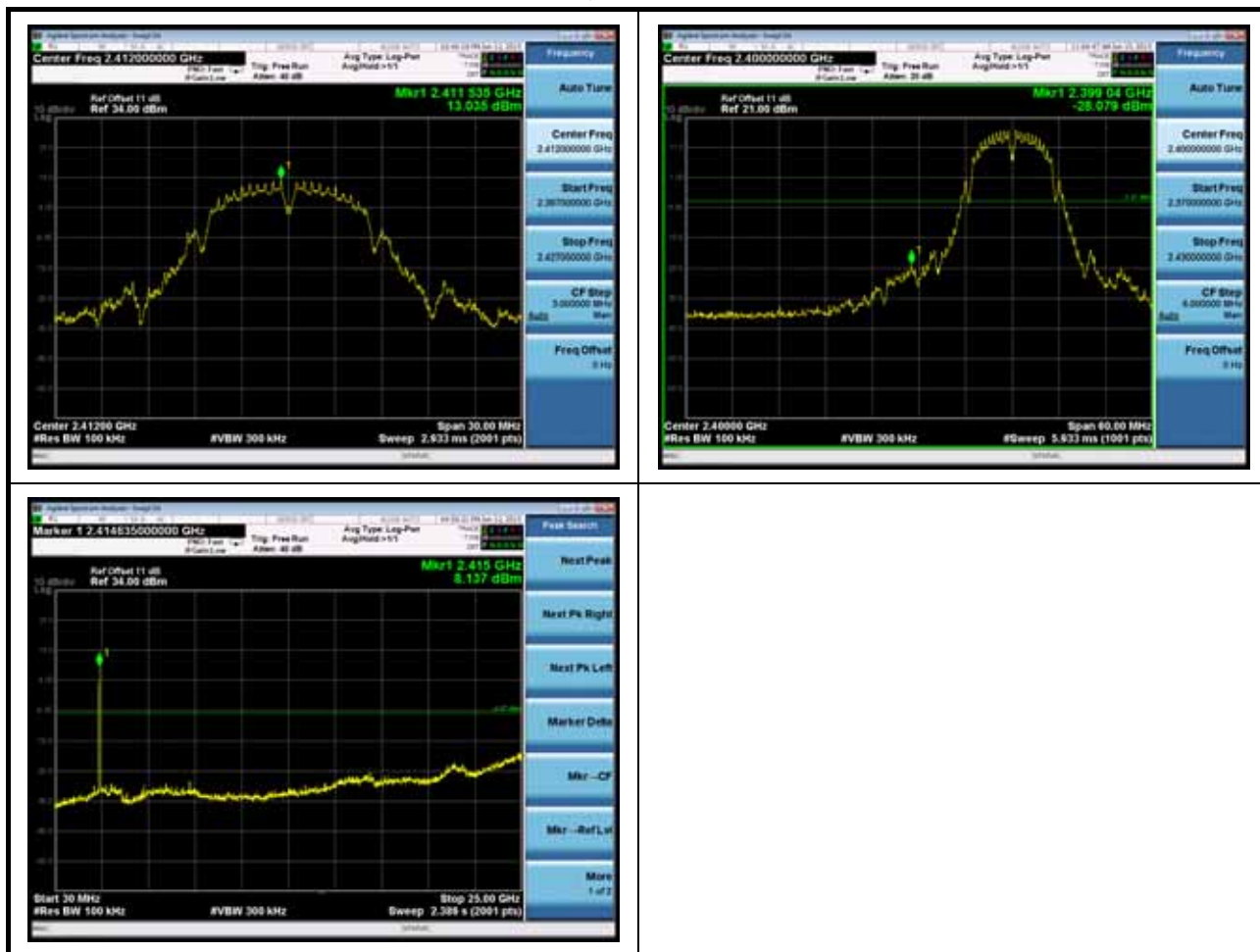


Mode 4: Transmit by 802.11n (40MHz) (An0) (2452MHz)



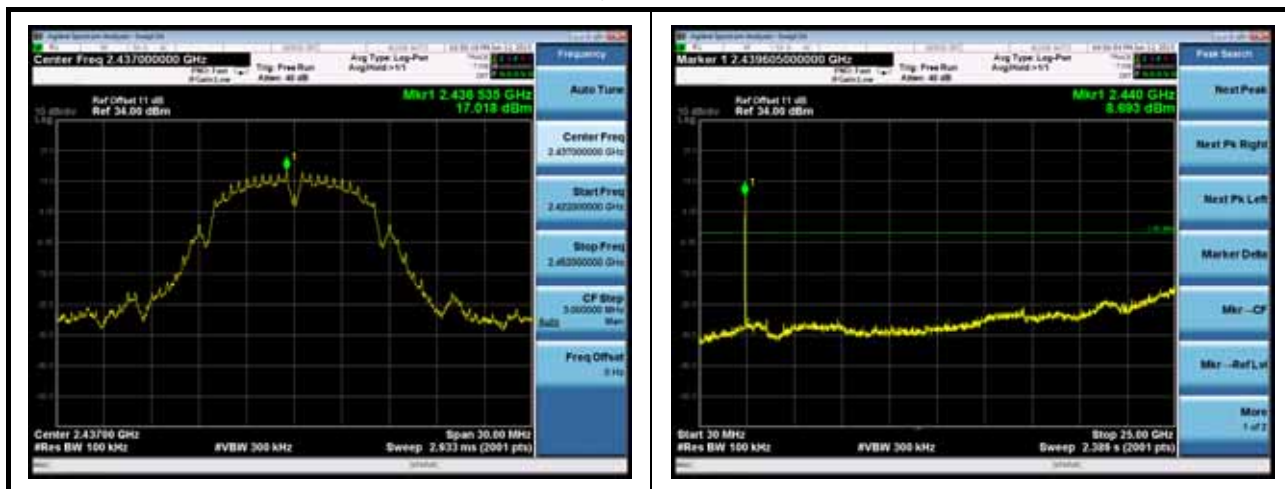


Mode 1: Transmit by 802.11b (An1) (2412MHz)

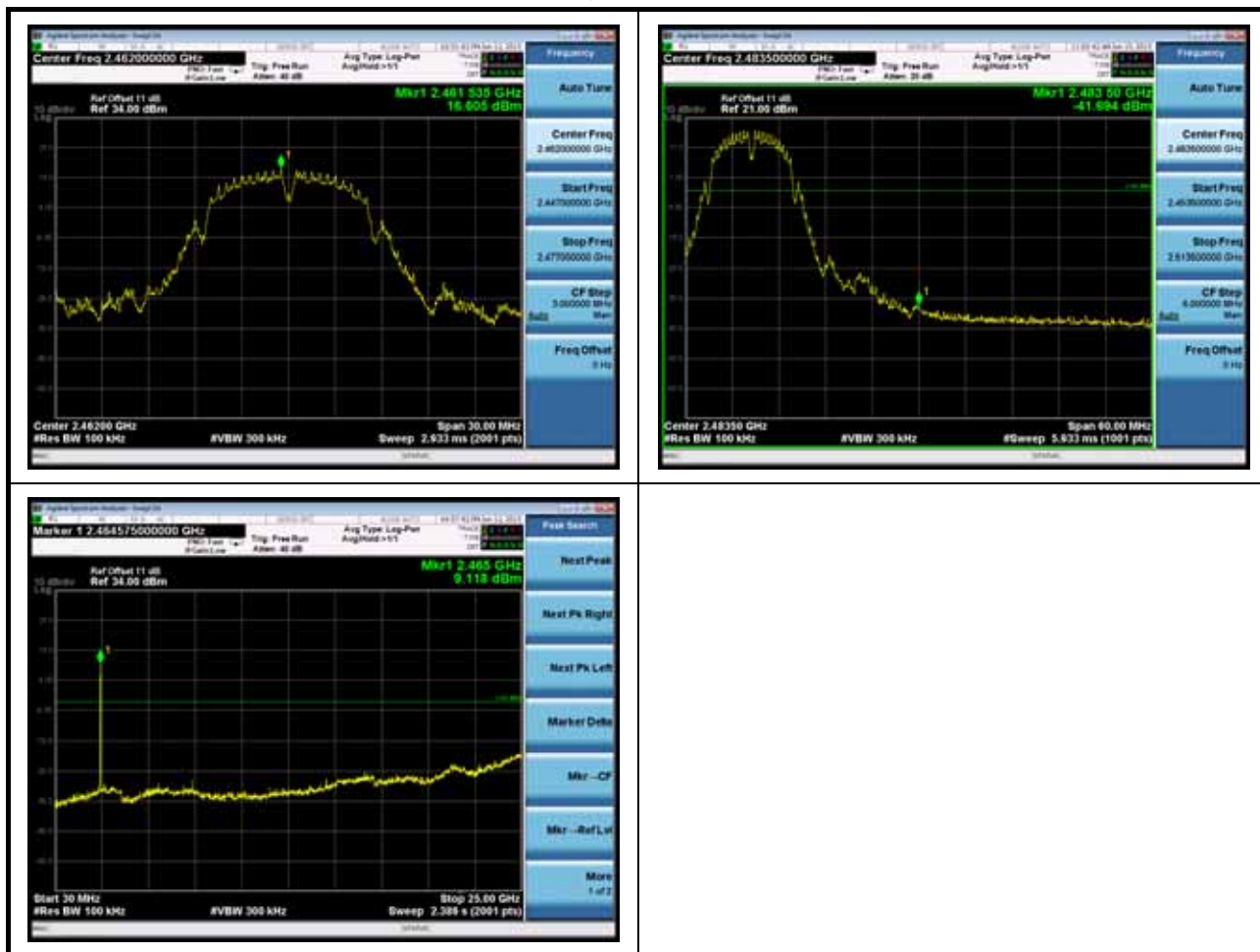




Mode 1: Transmit by 802.11b (An1) (2437MHz)

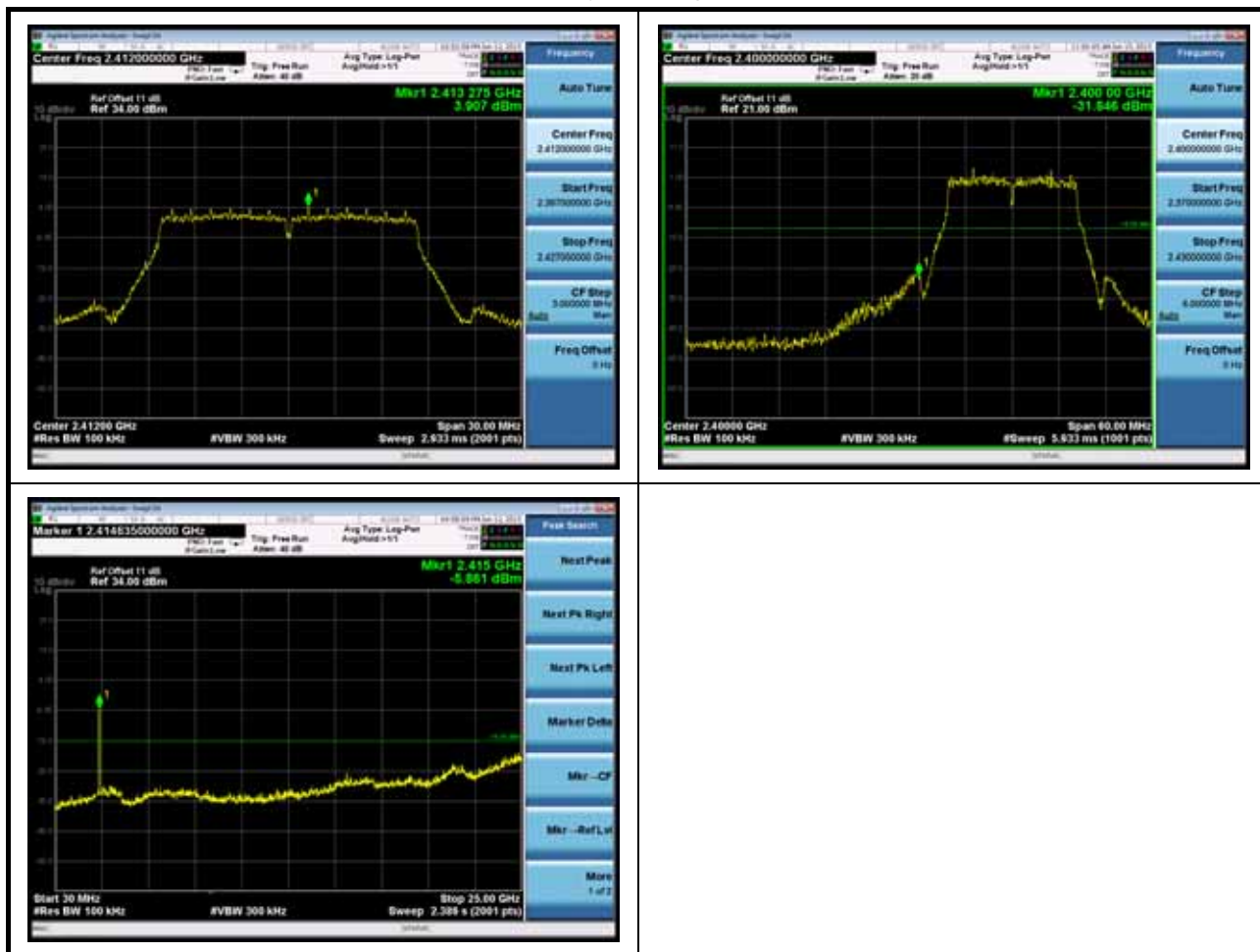


Mode 1: Transmit by 802.11b (An1) (2462MHz)



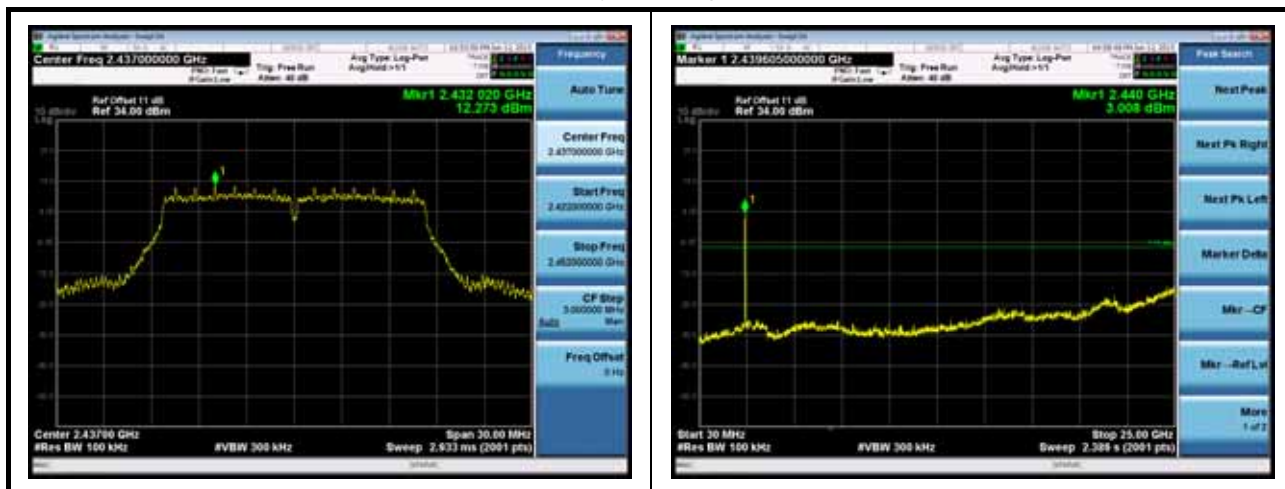


Mode 2: Transmit by 802.11g (An1) (2412MHz)

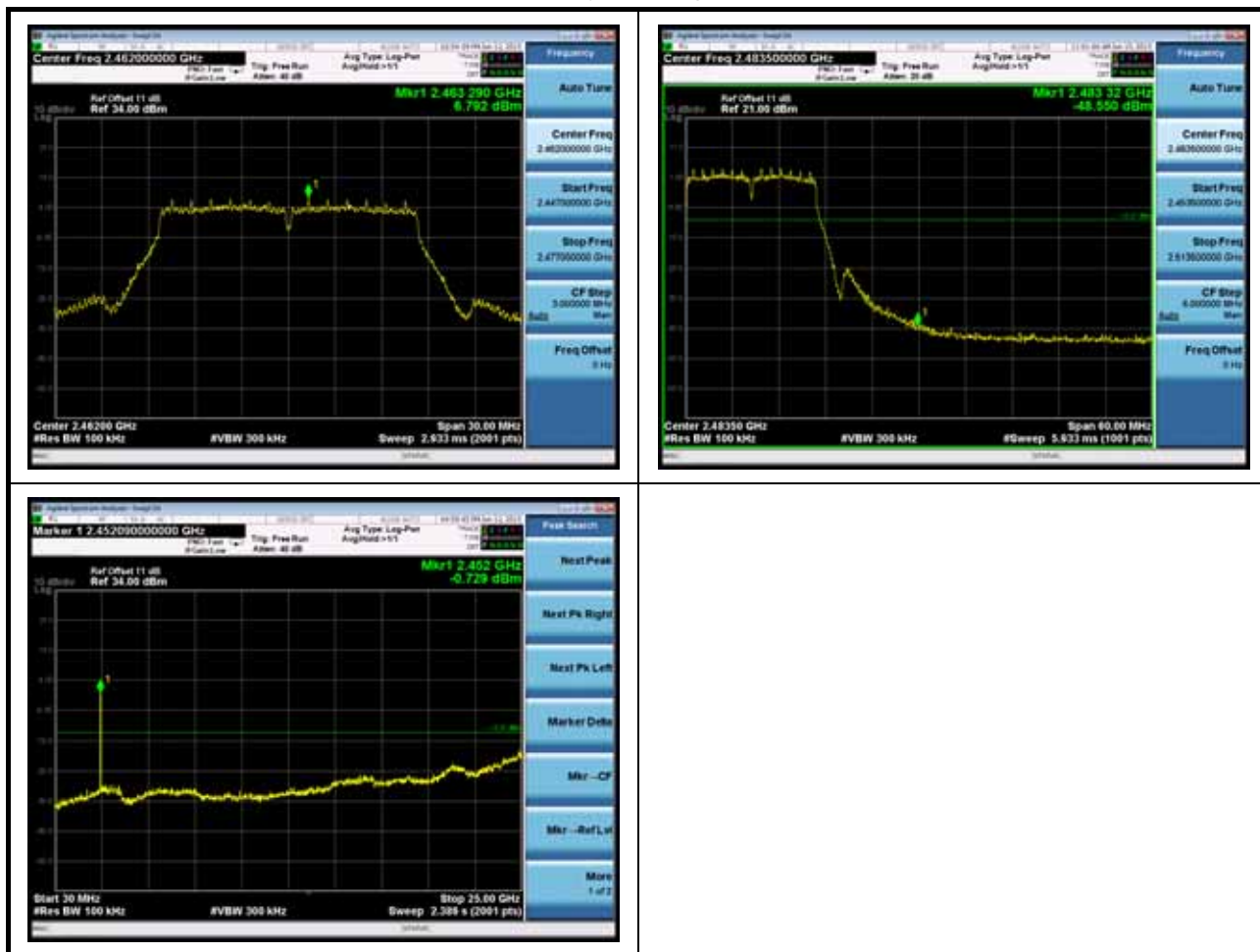




Mode 2: Transmit by 802.11g (An1) (2437MHz)

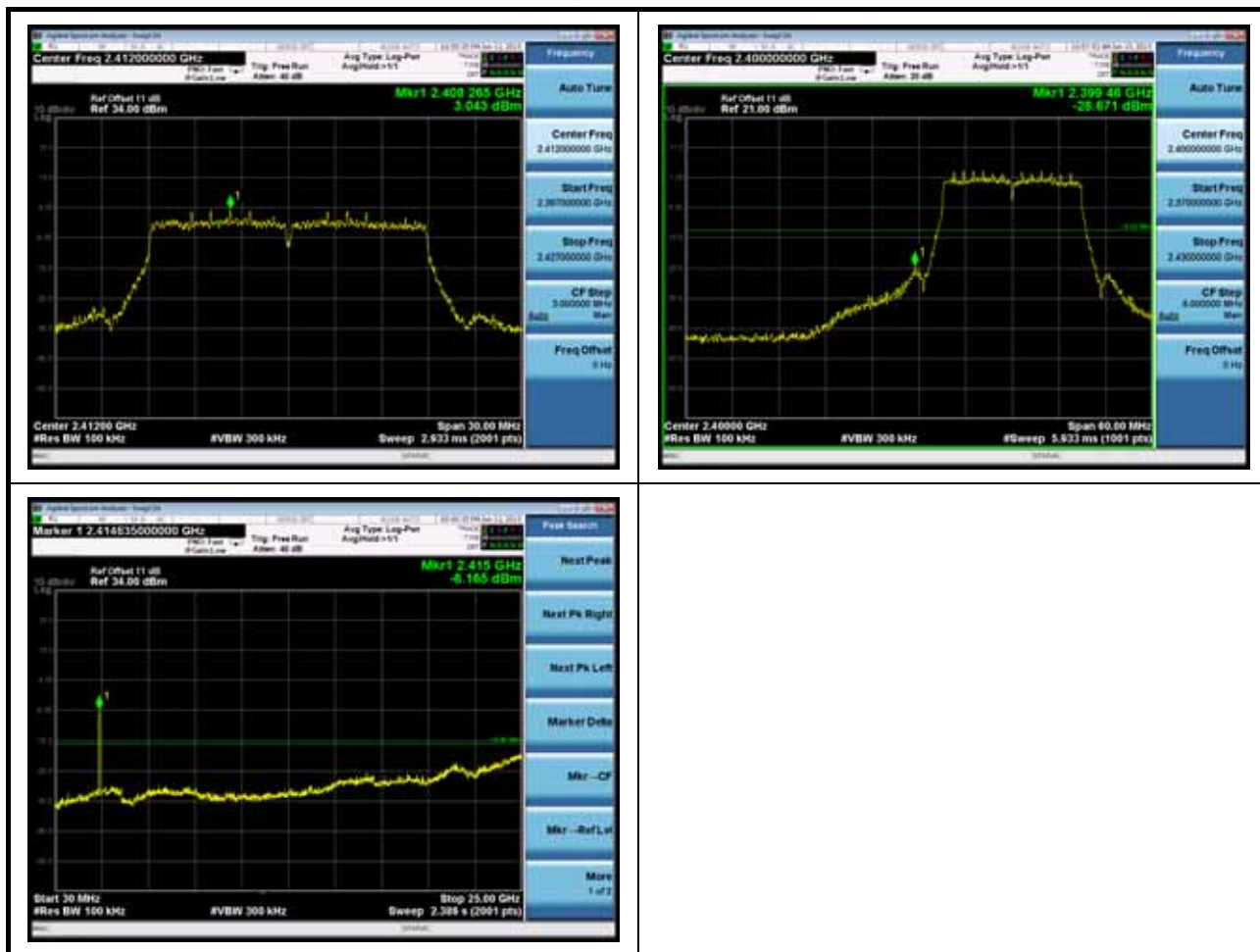


Mode 2: Transmit by 802.11g (An1) (2462MHz)



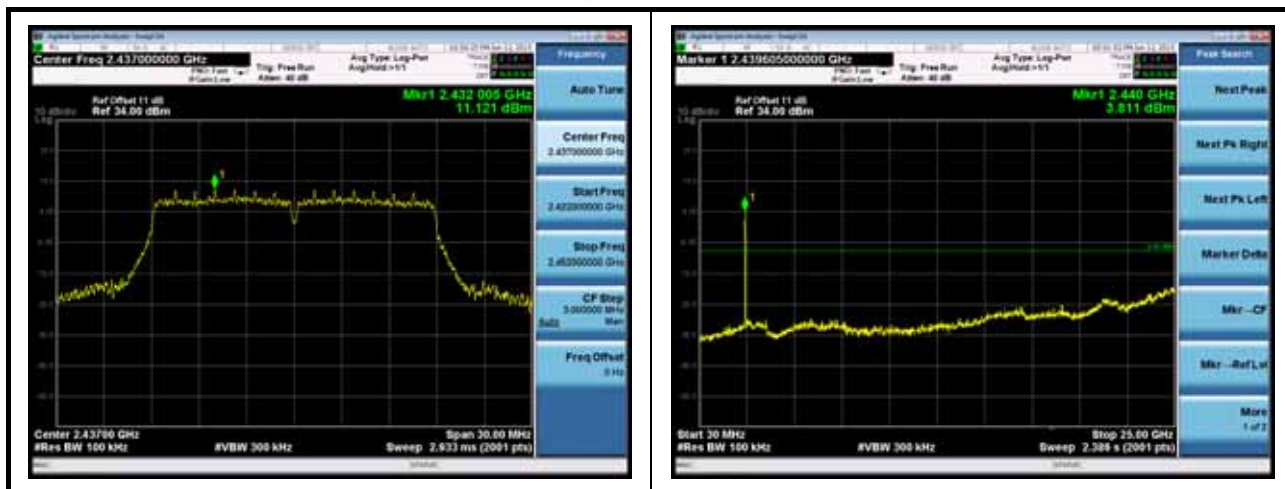


Mode 3: Transmit by 802.11n20 (An1) (2412MHz)

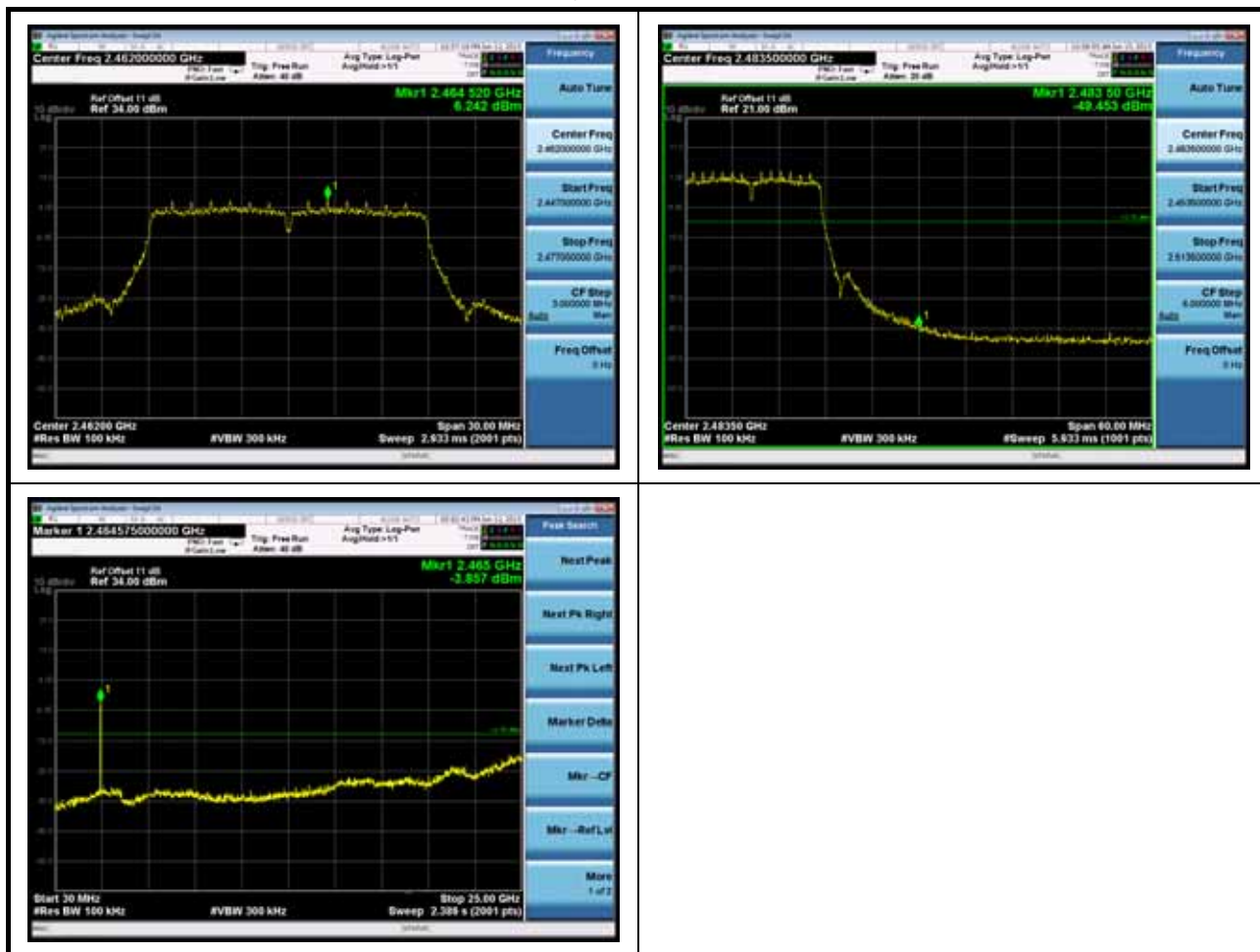




Mode 3: Transmit by 802.11n20 (An1) (2437MHz)

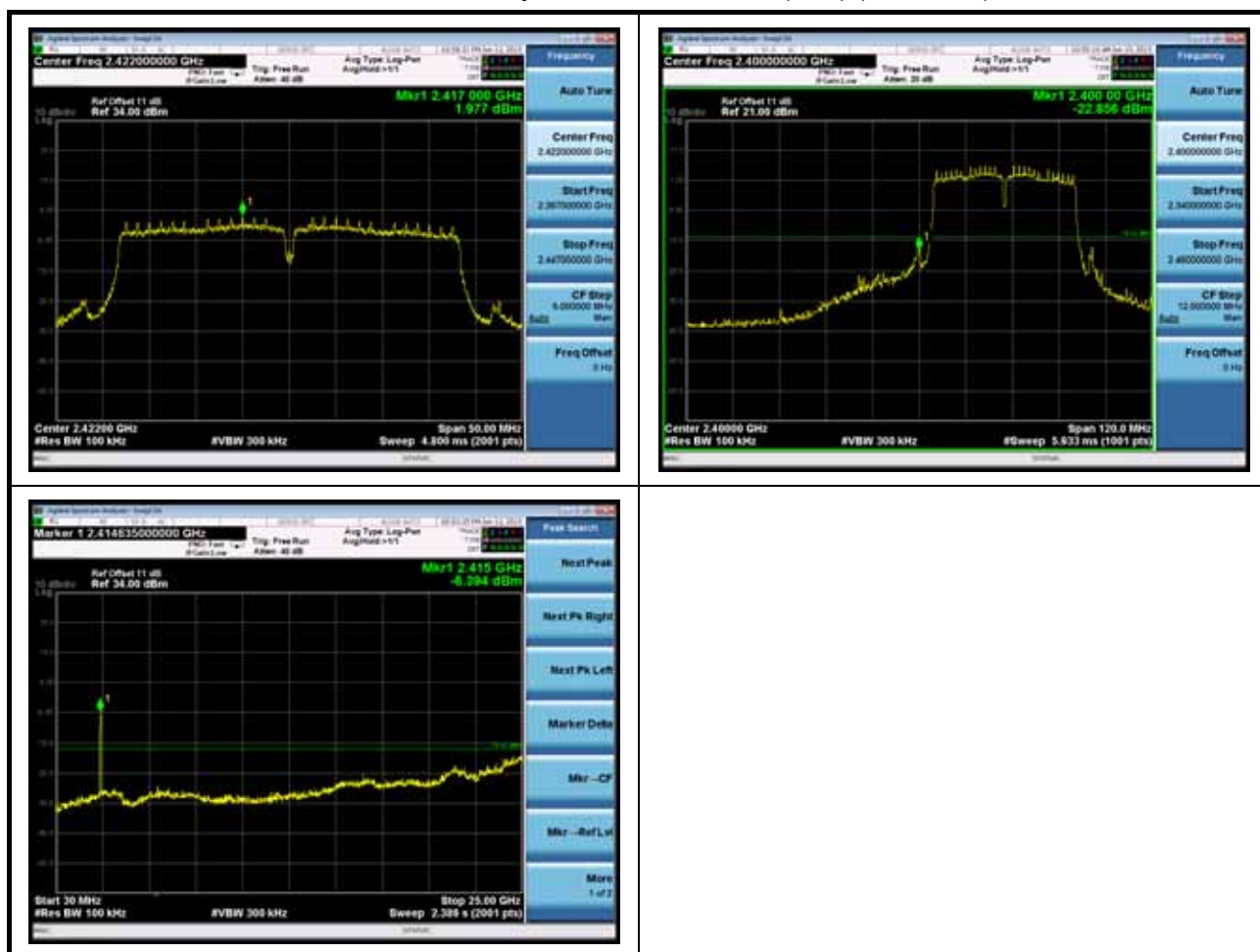


Mode 3: Transmit by 802.11n20 (An1) (2462MHz)



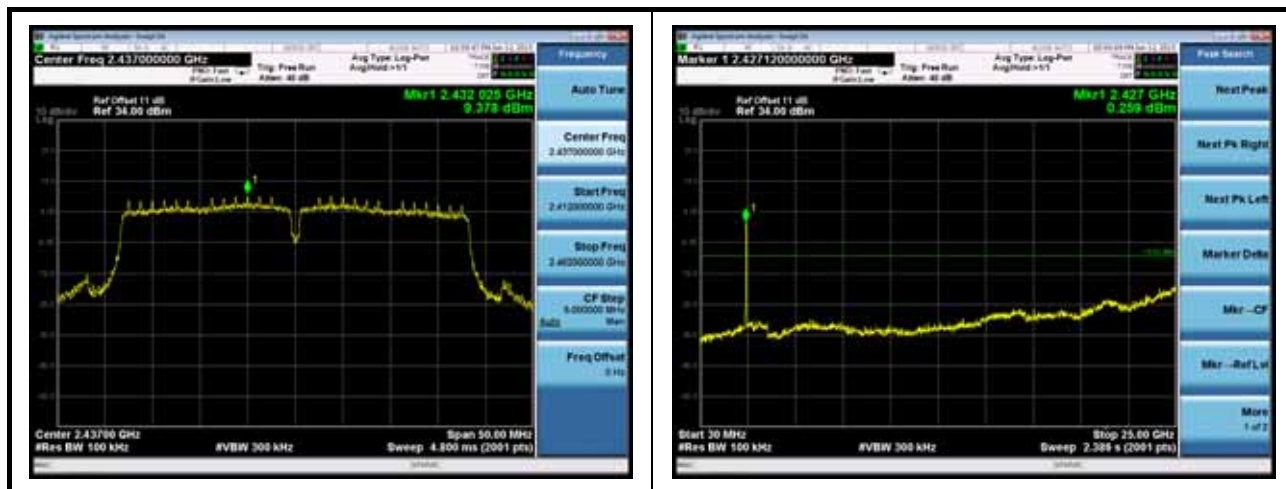


Mode 4: Transmit by 802.11n (40MHz) (An1) (2422MHz)

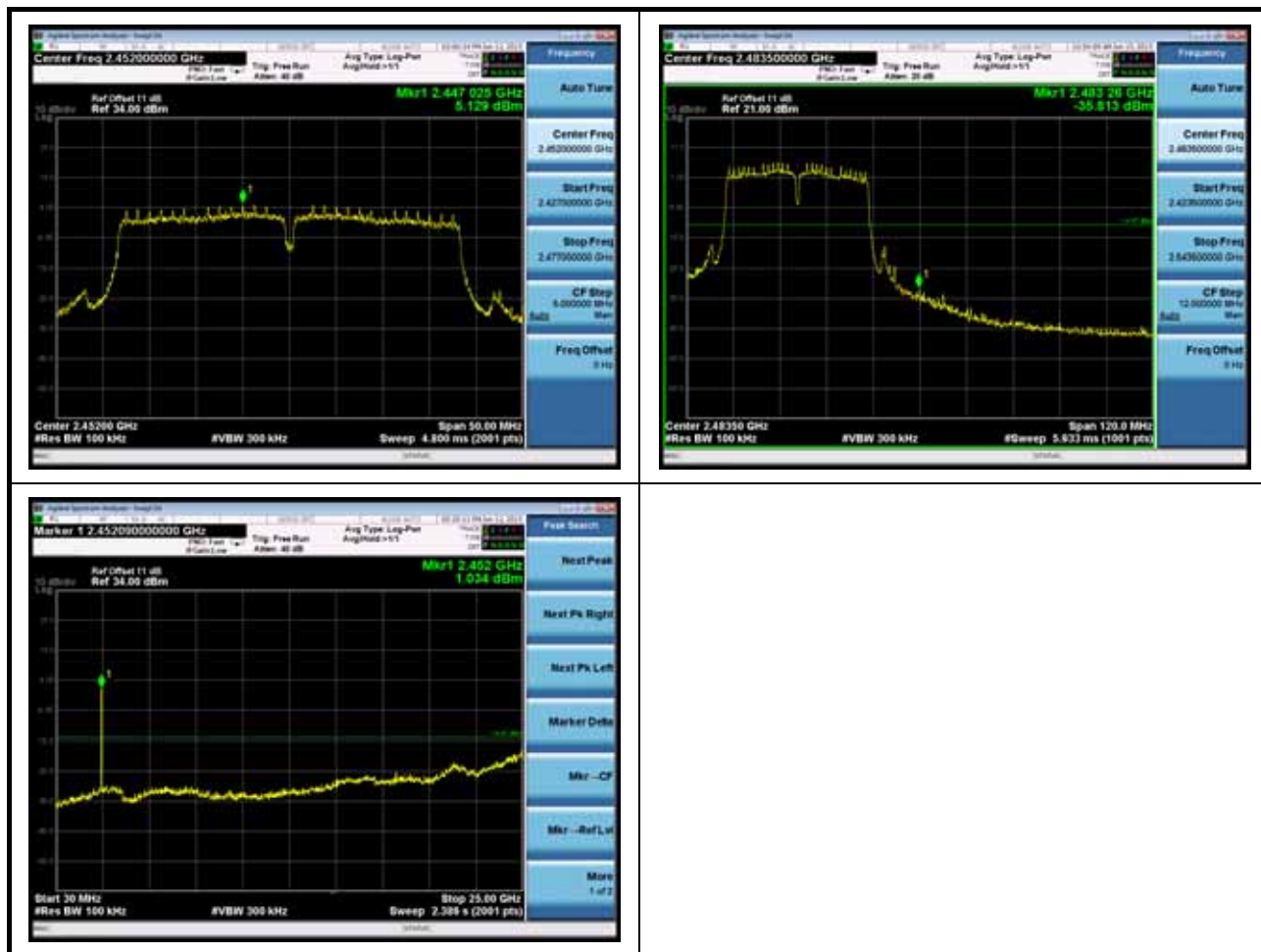




Mode 4: Transmit by 802.11n (40MHz) (An1) (2437MHz)

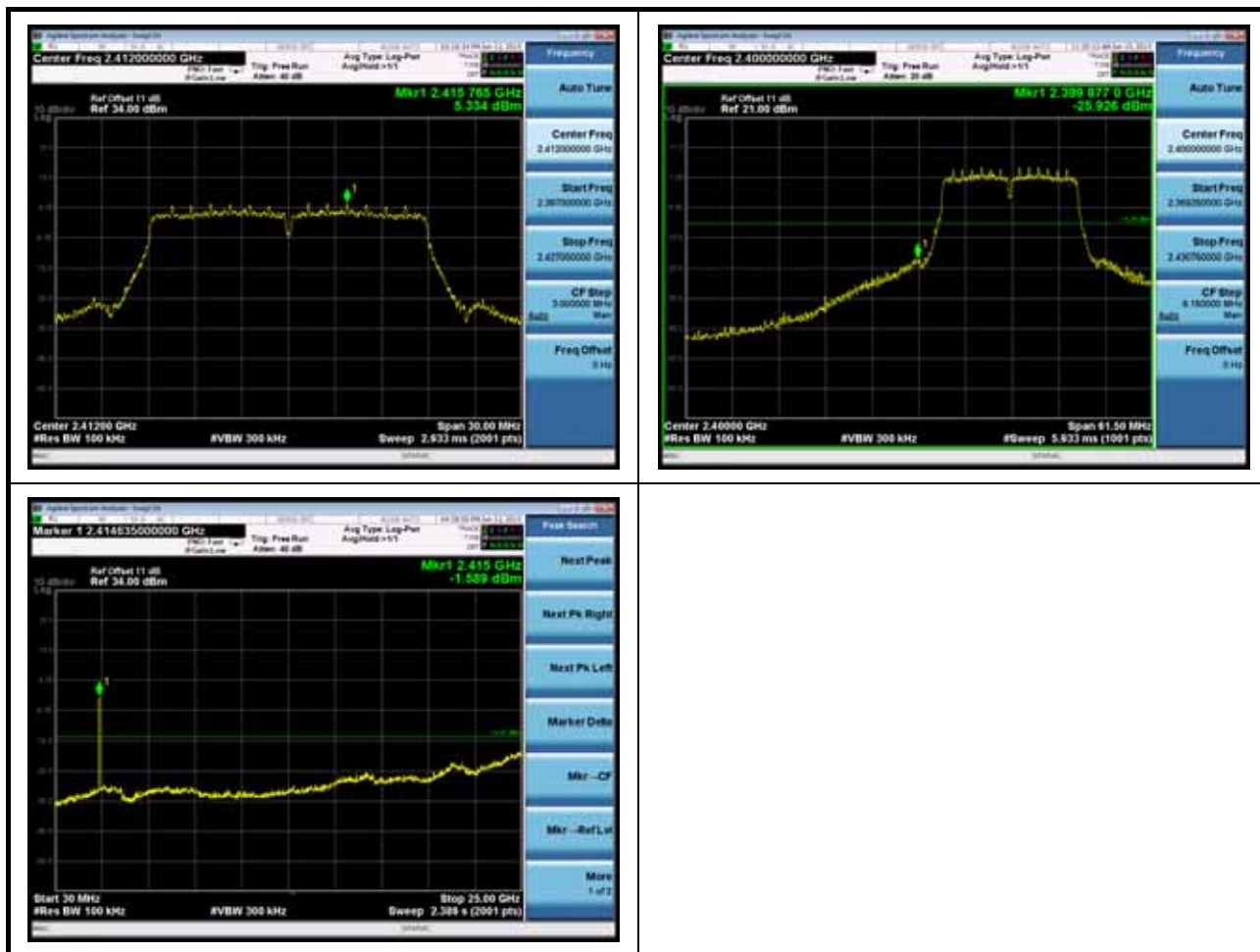


Mode 4: Transmit by 802.11n (40MHz) (An1) (2452MHz)



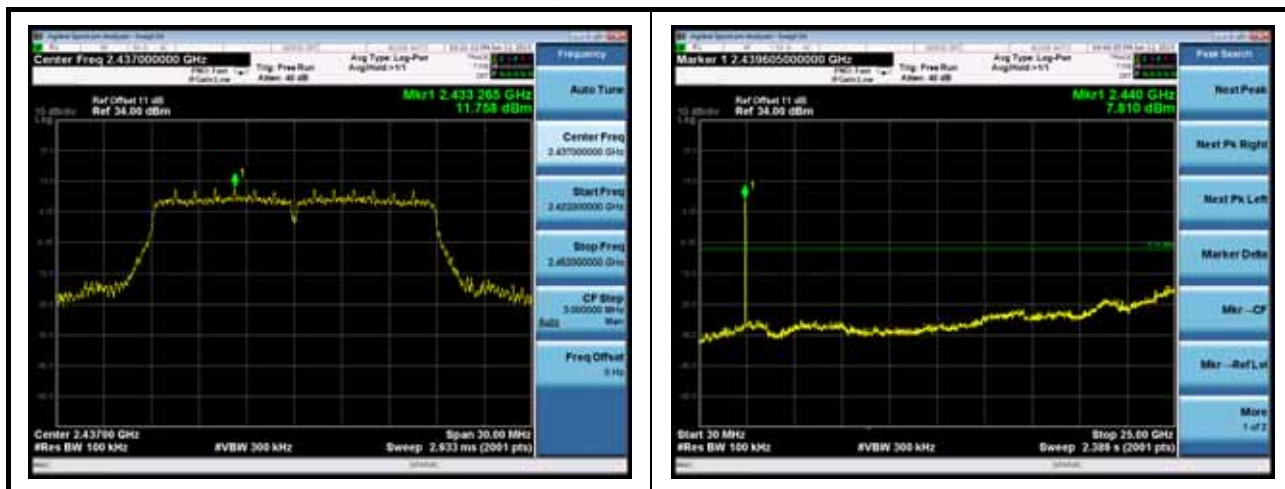


Mode 3: Transmit by 802.11n20 (An0+1-0) (2412MHz)

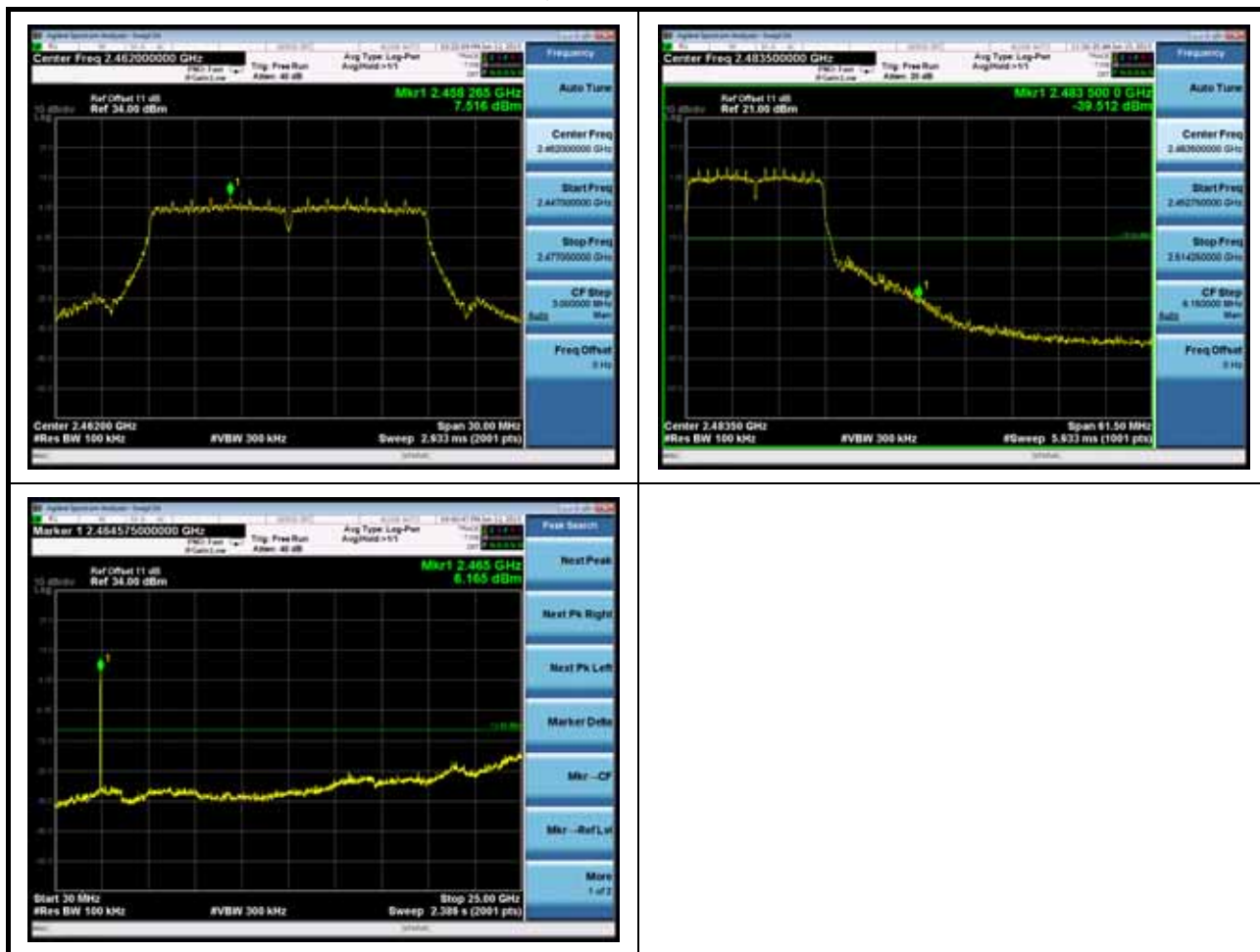




Mode 3: Transmit by 802.11n20 (An0+1-0) (2437MHz)

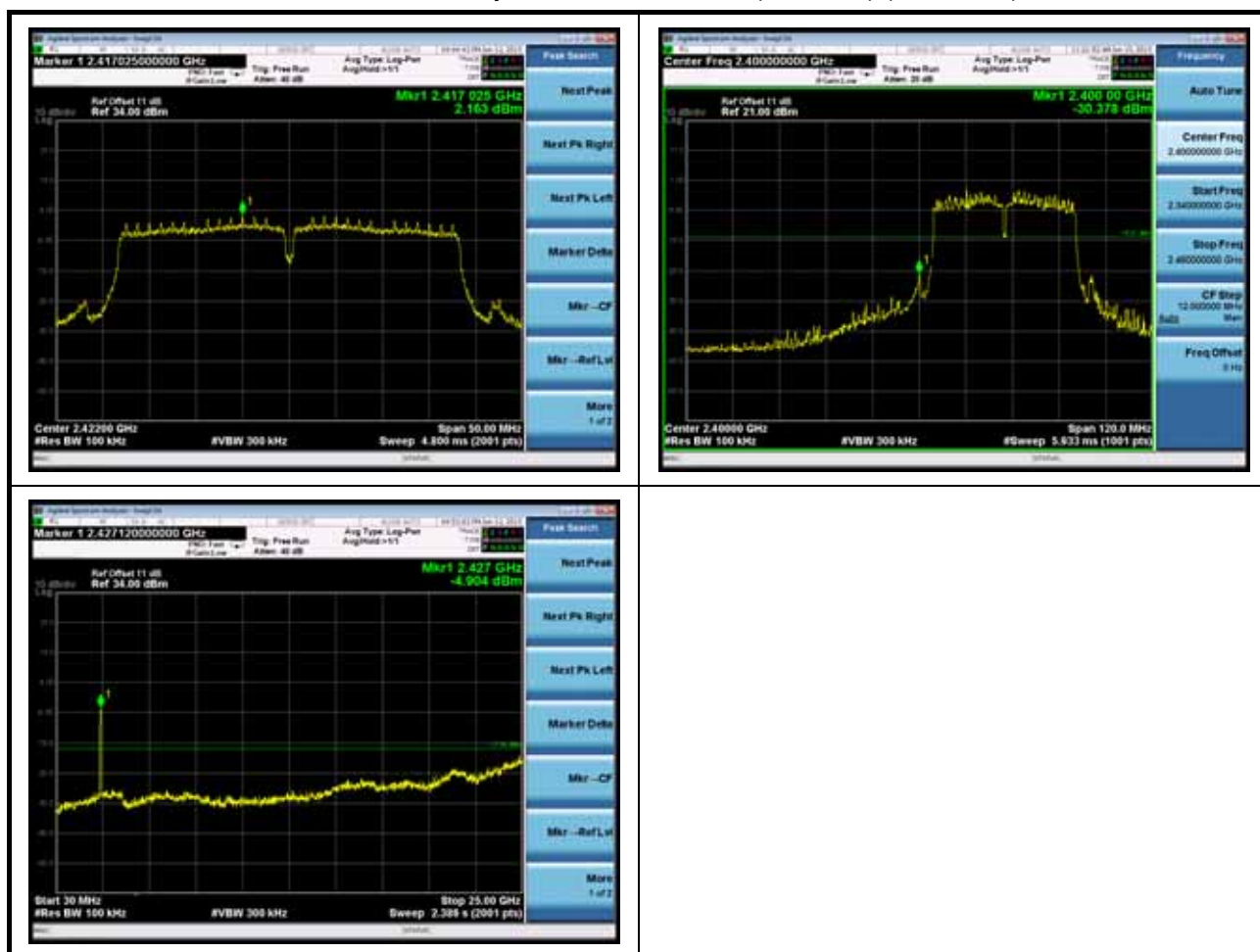


Mode 3: Transmit by 802.11n20 (An0+1-0) (2462MHz)



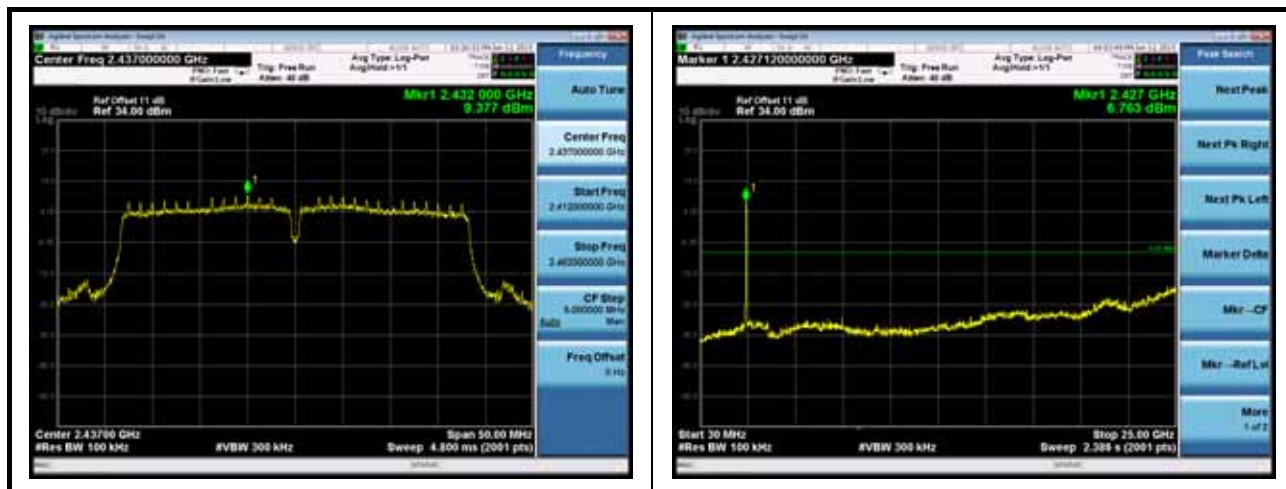


Mode 4: Transmit by 802.11n (40MHz) (An0+1-0) (2422MHz)

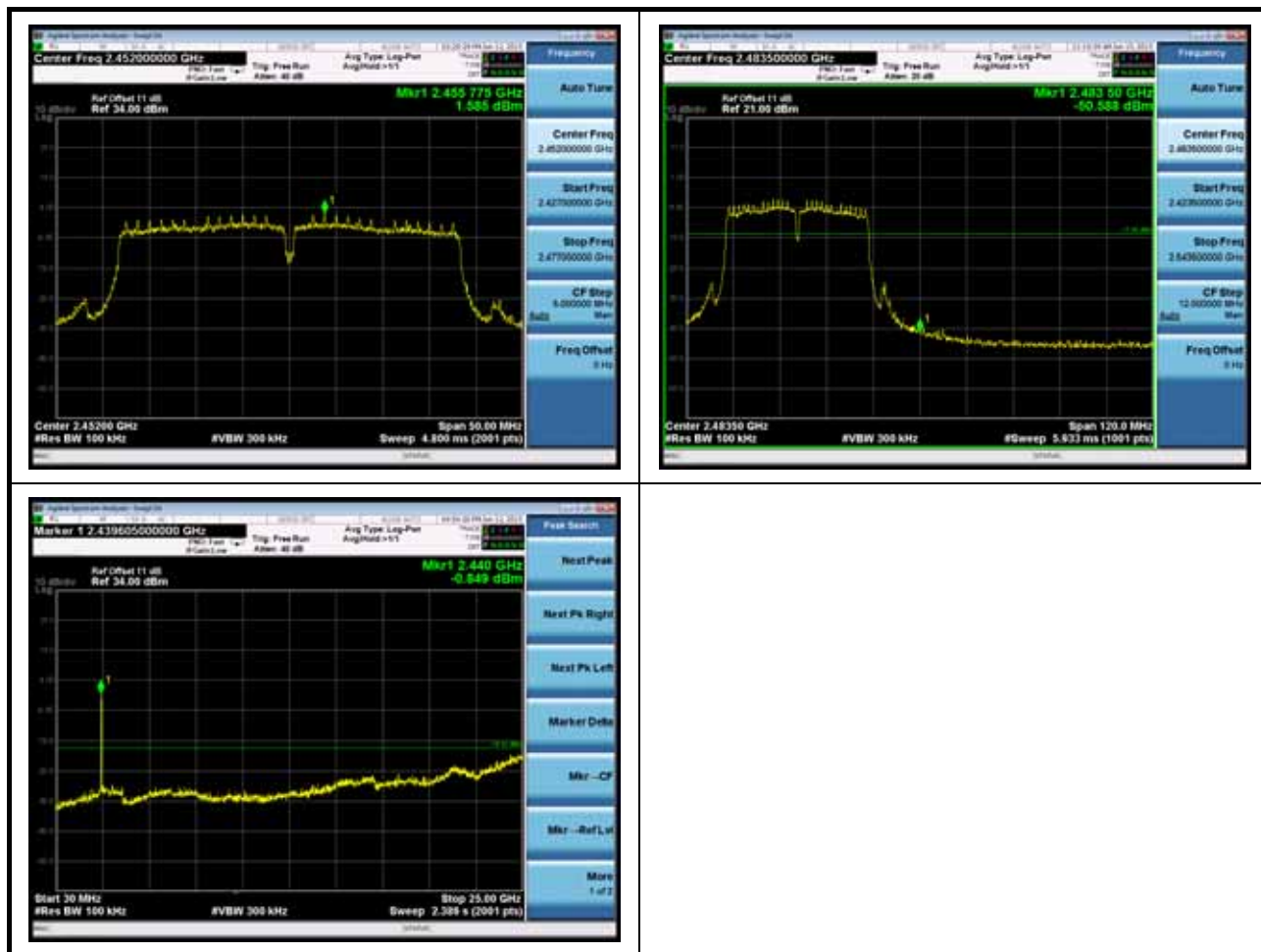




Mode 4: Transmit by 802.11n (40MHz) (An0+1-0) (2437MHz)

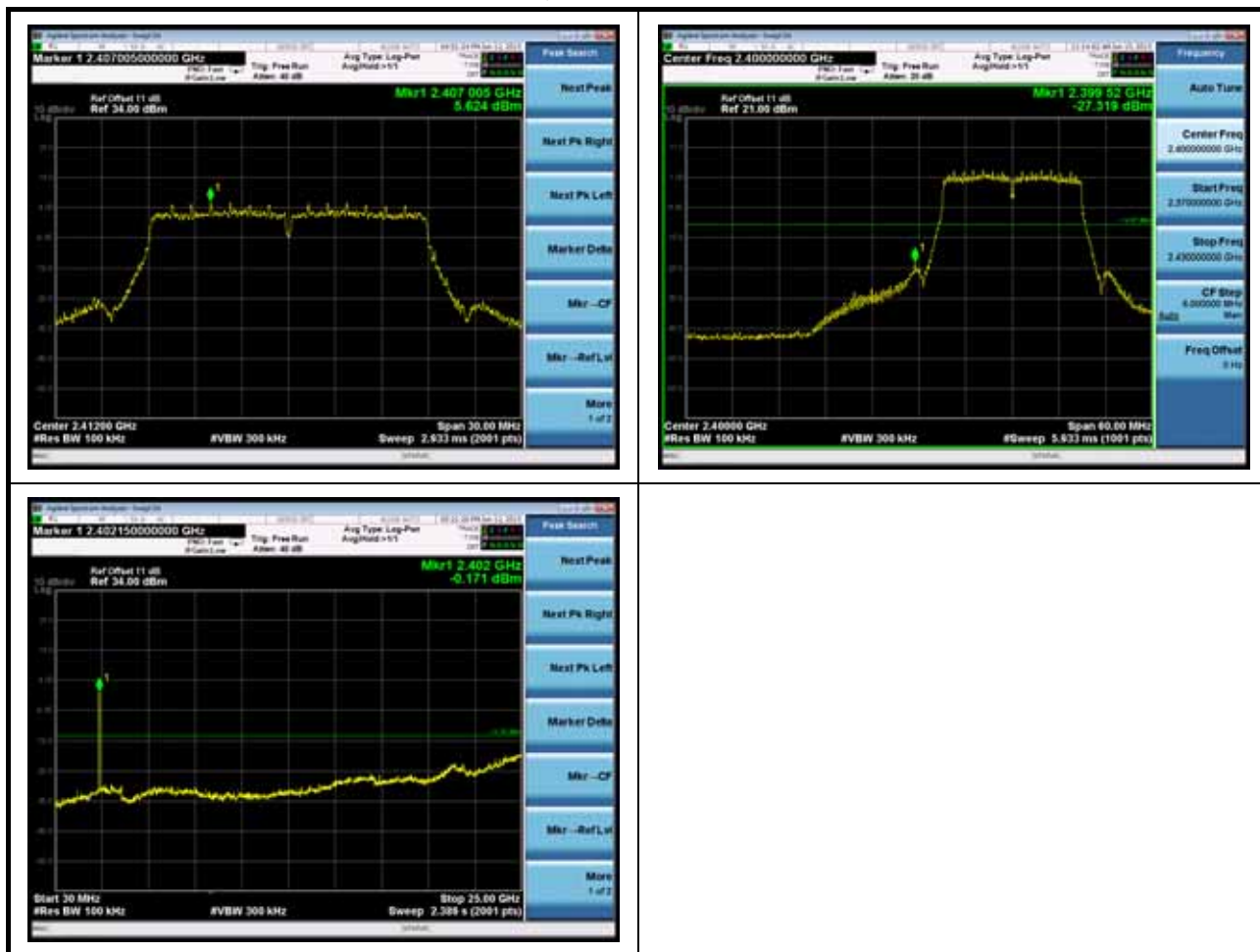


Mode 4: Transmit by 802.11n (40MHz) (An0+1-0) (2452MHz)



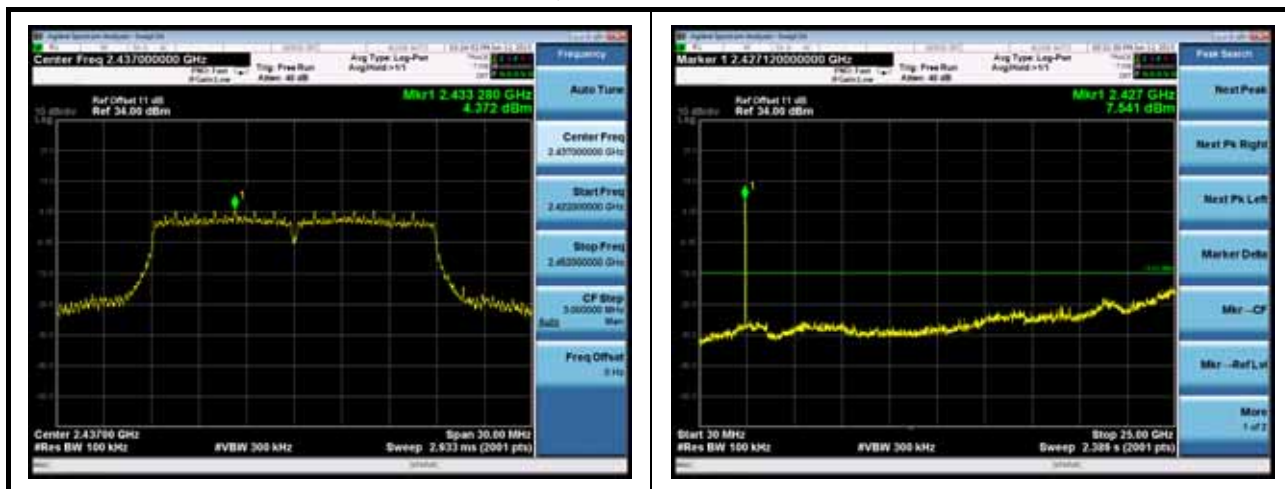


Mode 3: Transmit by 802.11n20 (An0+1-1) (2412MHz)

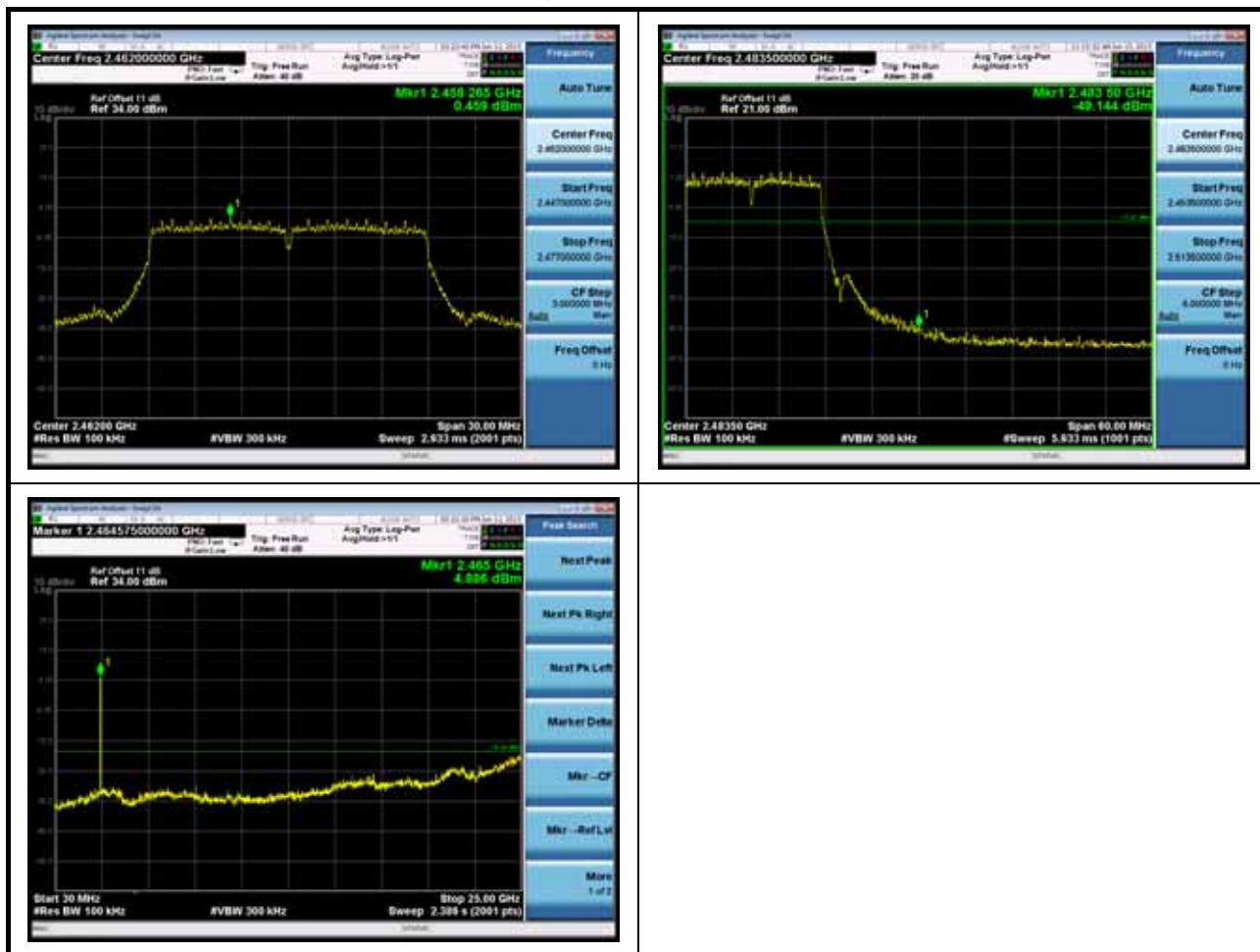




Mode 3: Transmit by 802.11n20 (An0+1-1) (2437MHz)

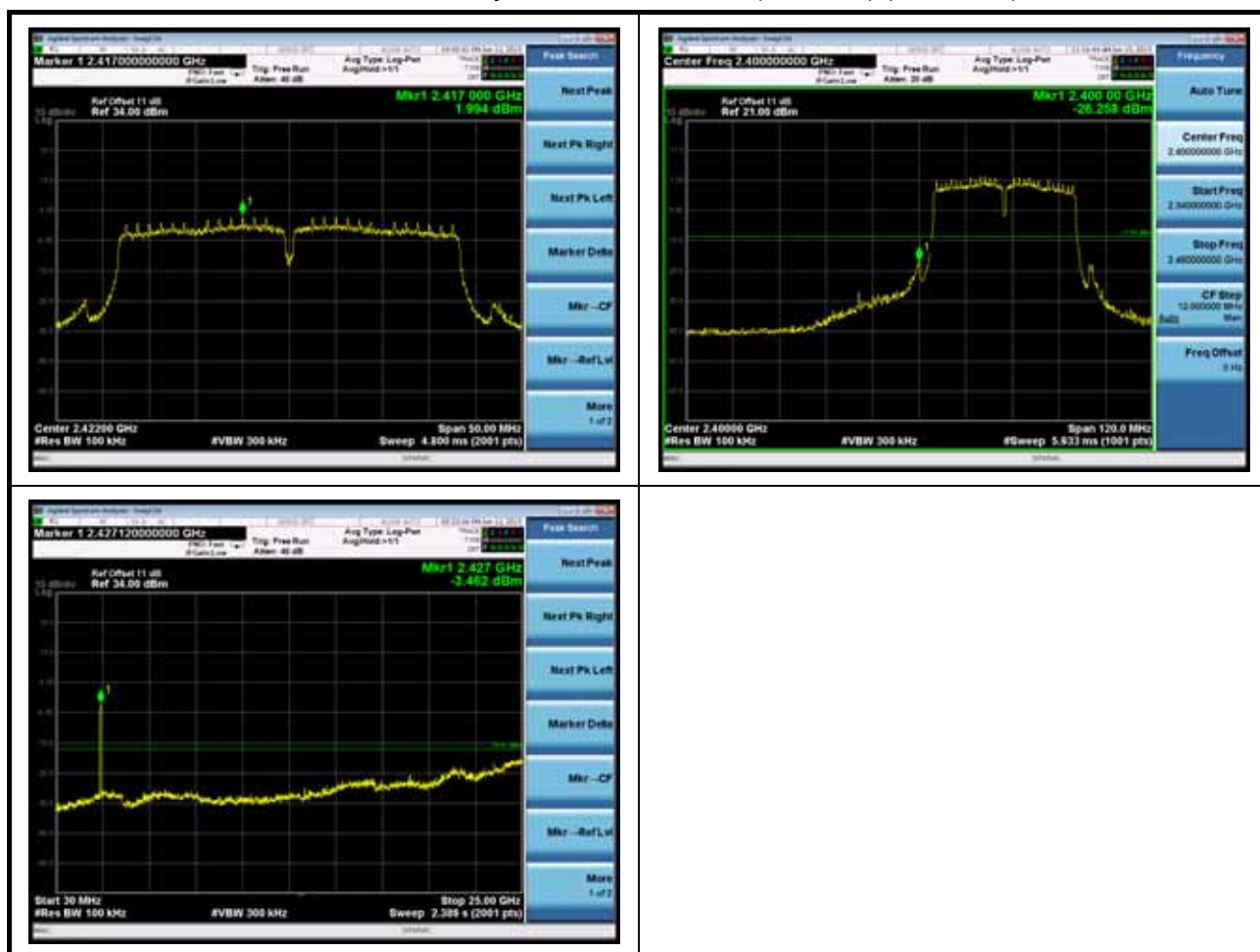


Mode 3: Transmit by 802.11n20 (An0+1-1) (2462MHz)



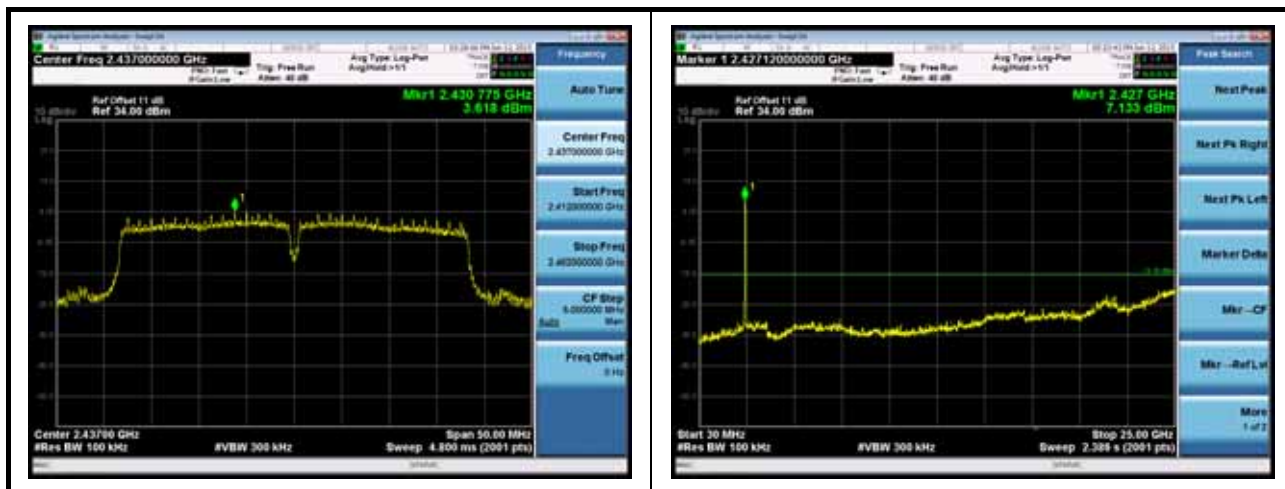


Mode 4: Transmit by 802.11n (40MHz) (An0+1-1) (2422MHz)

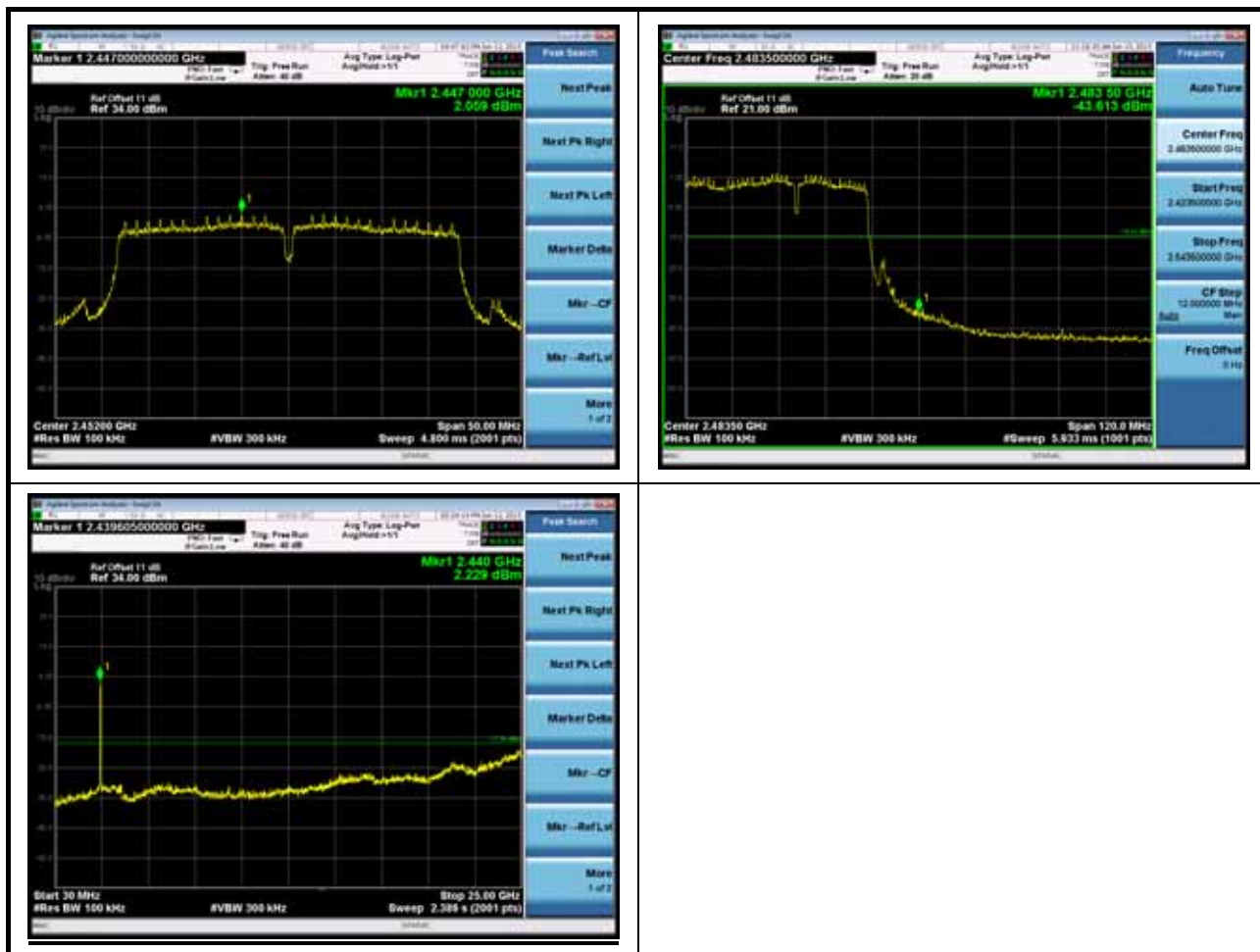




Mode 4: Transmit by 802.11n (40MHz) (An0+1-1) (2437MHz)



Mode 4: Transmit by 802.11n (40MHz) (An0+1-1) (2452MHz)





9. Power Spectral Density

9.1 Test Limit

The Maximum of Power Spectral Density Measurement is 8dBm.

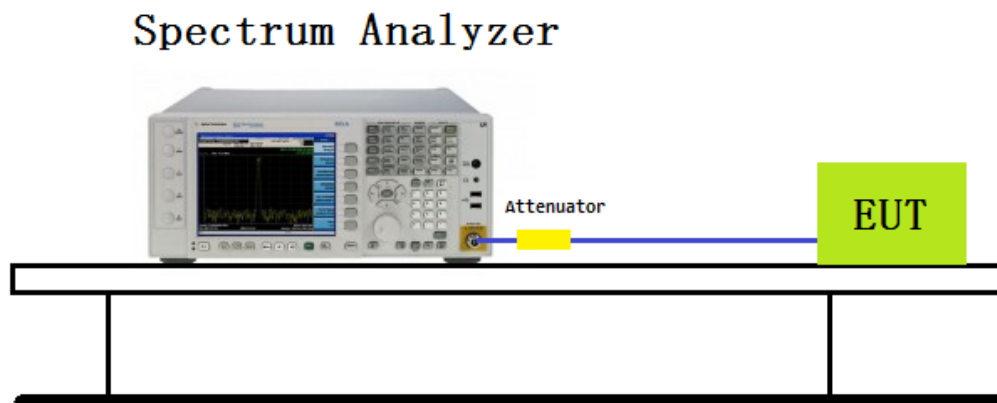
9.2 Test Procedure

The EUT was setup according to ANSI C63.10, 2013; tested according to DTS test procedure of KDB 558074 for compliance to FCC 47CFR 15.247 requirements.

The maximum power spectral density using KDB 558074 section 10.2 PKPSD (peak PSD) method.

- Set analyzer center frequency to DTS channel center frequency.
- Set the span to 1.5 times the DTS bandwidth.
- Set the RBW to: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$. (Actually we use 3kHz RBW)
- Set the VBW $\geq 3 \times \text{RBW}$.
- Detector = peak.
- Sweep time = auto couple.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum amplitude level within the band.
- If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

9.3 Test Setup Layout



9.4 Measurement Equipment

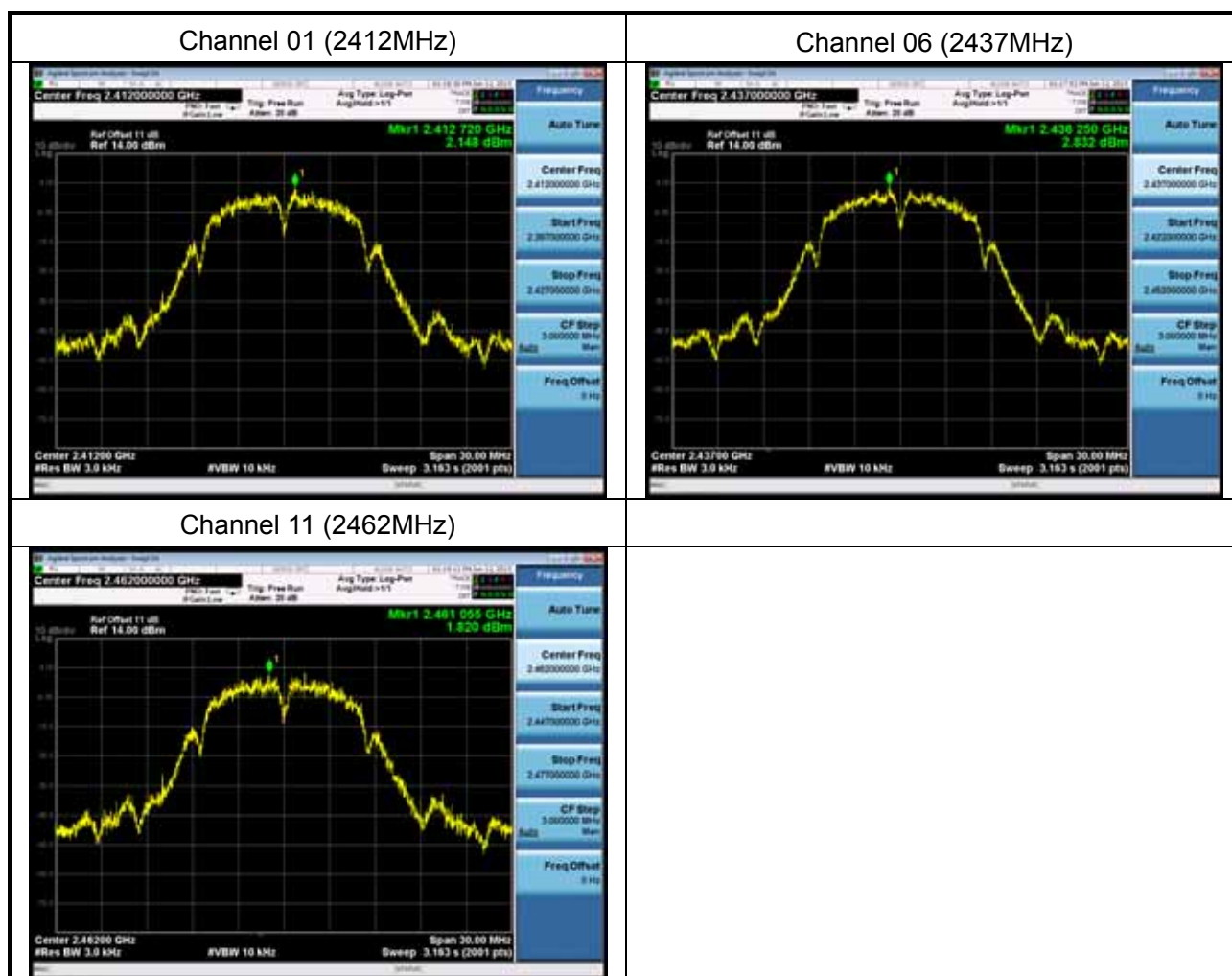
Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date	Valid Date
Spectrum Analyzer	N9010A	Agilent	MY54200207	2014/10/9	2015/10/8



9.5 Test Result and Data

Test Item	Power Spectral Density
Test Mode	Transmit by 802.11b (Antenna 0)
Test Date	2015-06-12

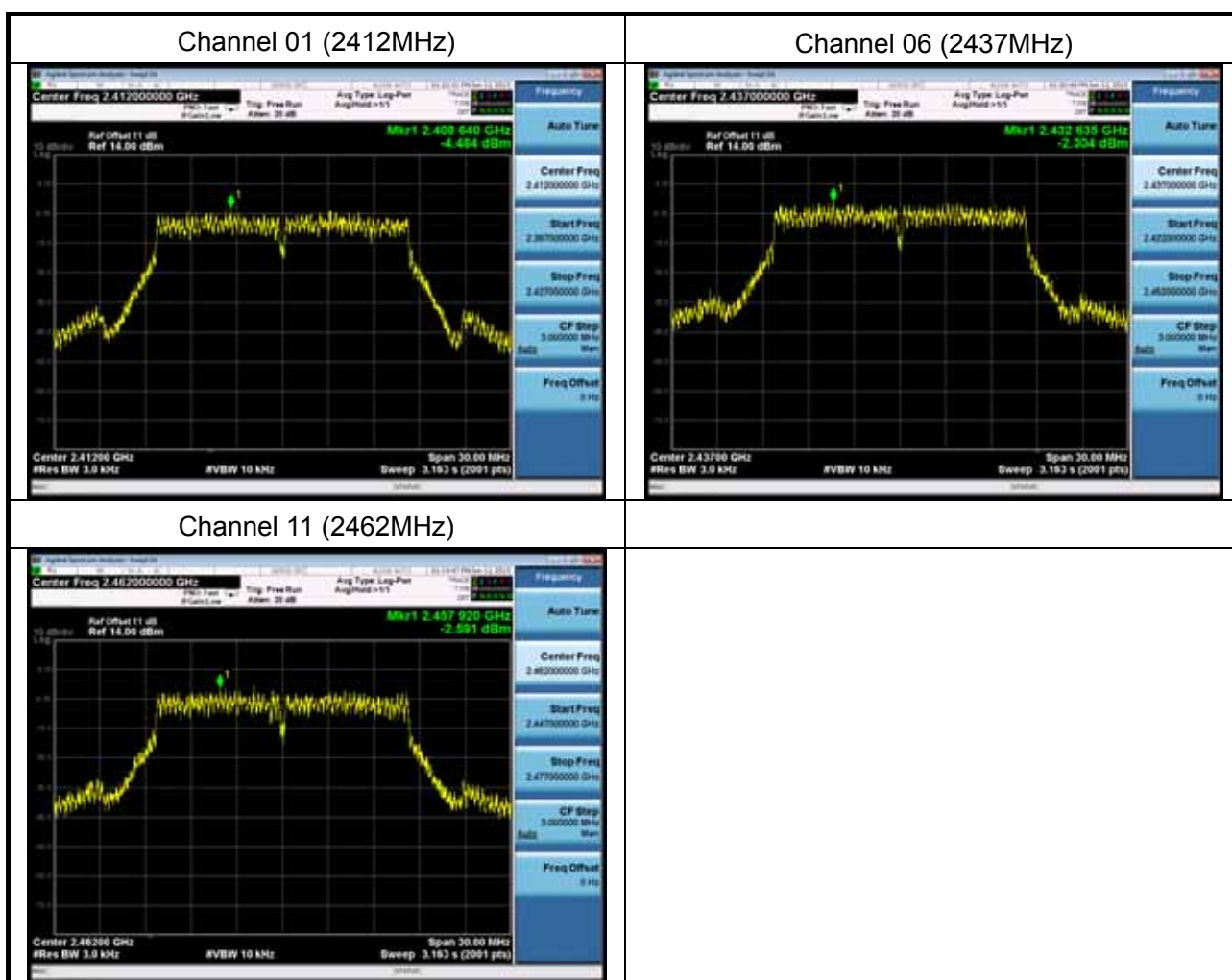
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
01	2412	2.148	8	Pass
06	2437	2.832	8	Pass
11	2462	1.820	8	Pass





Test Item	Power Spectral Density
Test Mode	Transmit by 802.11g (Antenna 0)
Test Date	2015-06-12

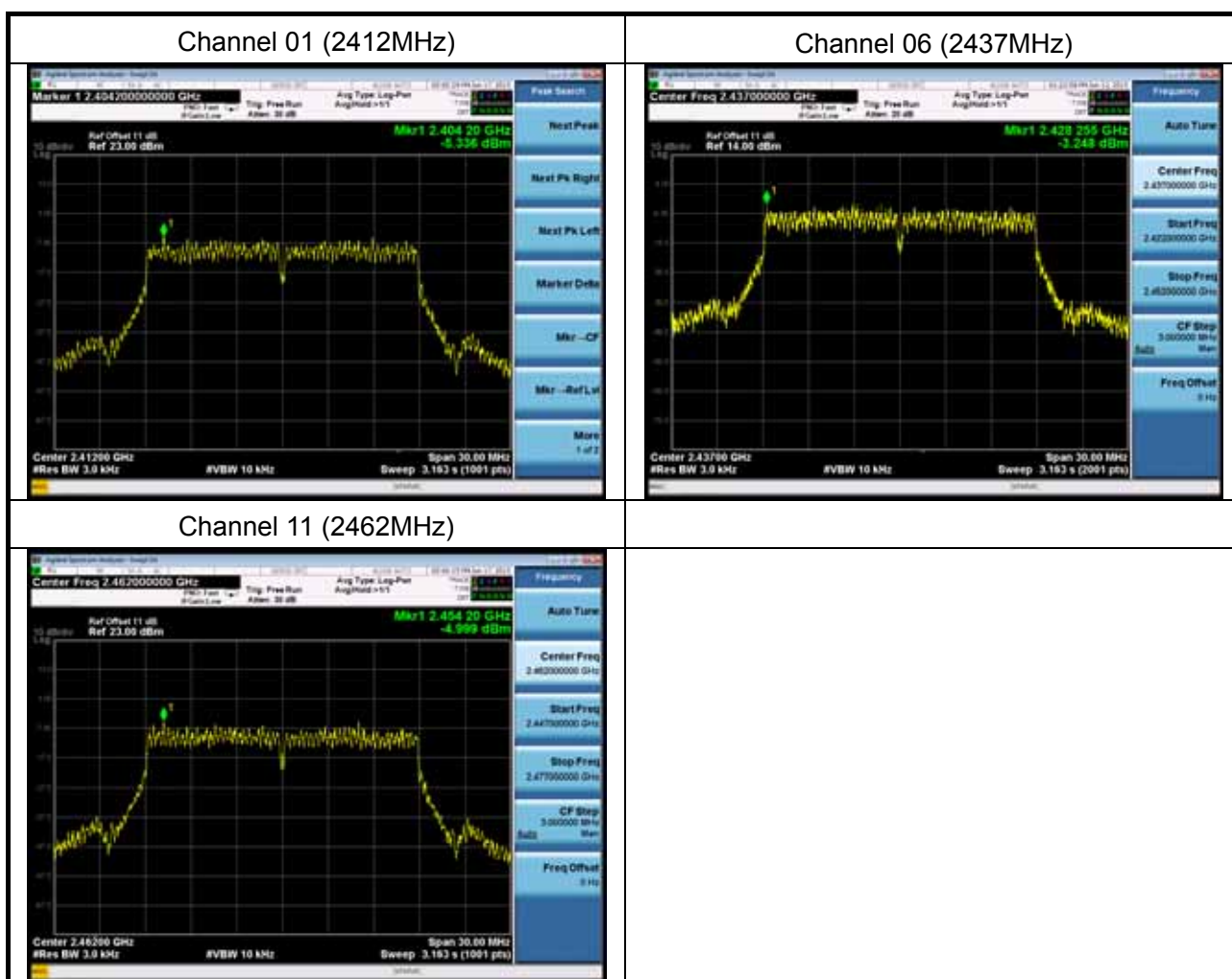
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
01	2412	-4.484	8	Pass
06	2437	-2.304	8	Pass
11	2462	-2.591	8	Pass





Test Item	Power Spectral Density
Test Mode	Transmit by 802.11n (20MHz) (Antenna 0)
Test Date	2015-06-12

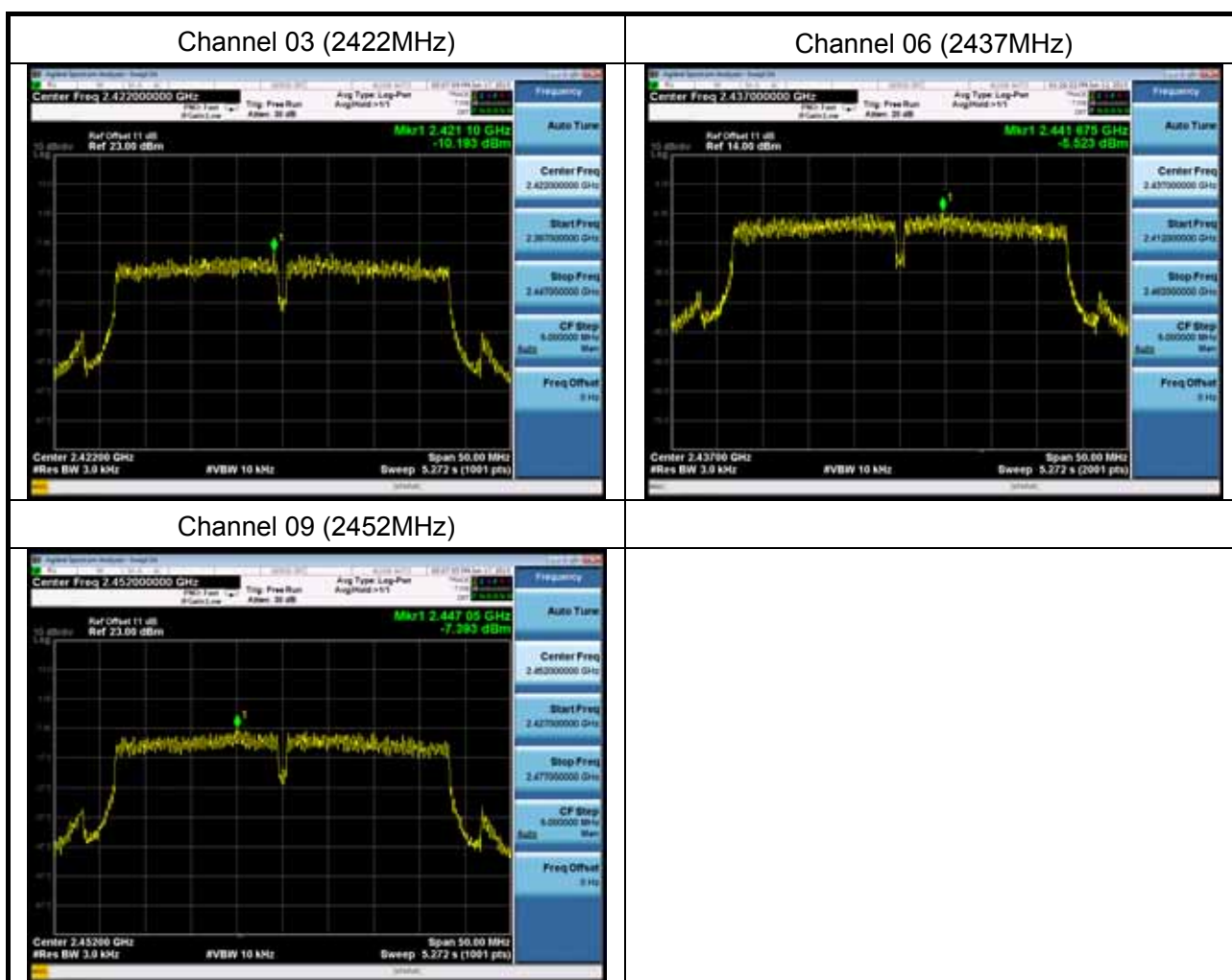
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
01	2412	-5.336	8	Pass
06	2437	-3.248	8	Pass
11	2462	-4.999	8	Pass





Test Item	Power Spectral Density
Test Mode	Transmit by 802.11n (40MHz) (Antenna 0)
Test Date	2015-06-12

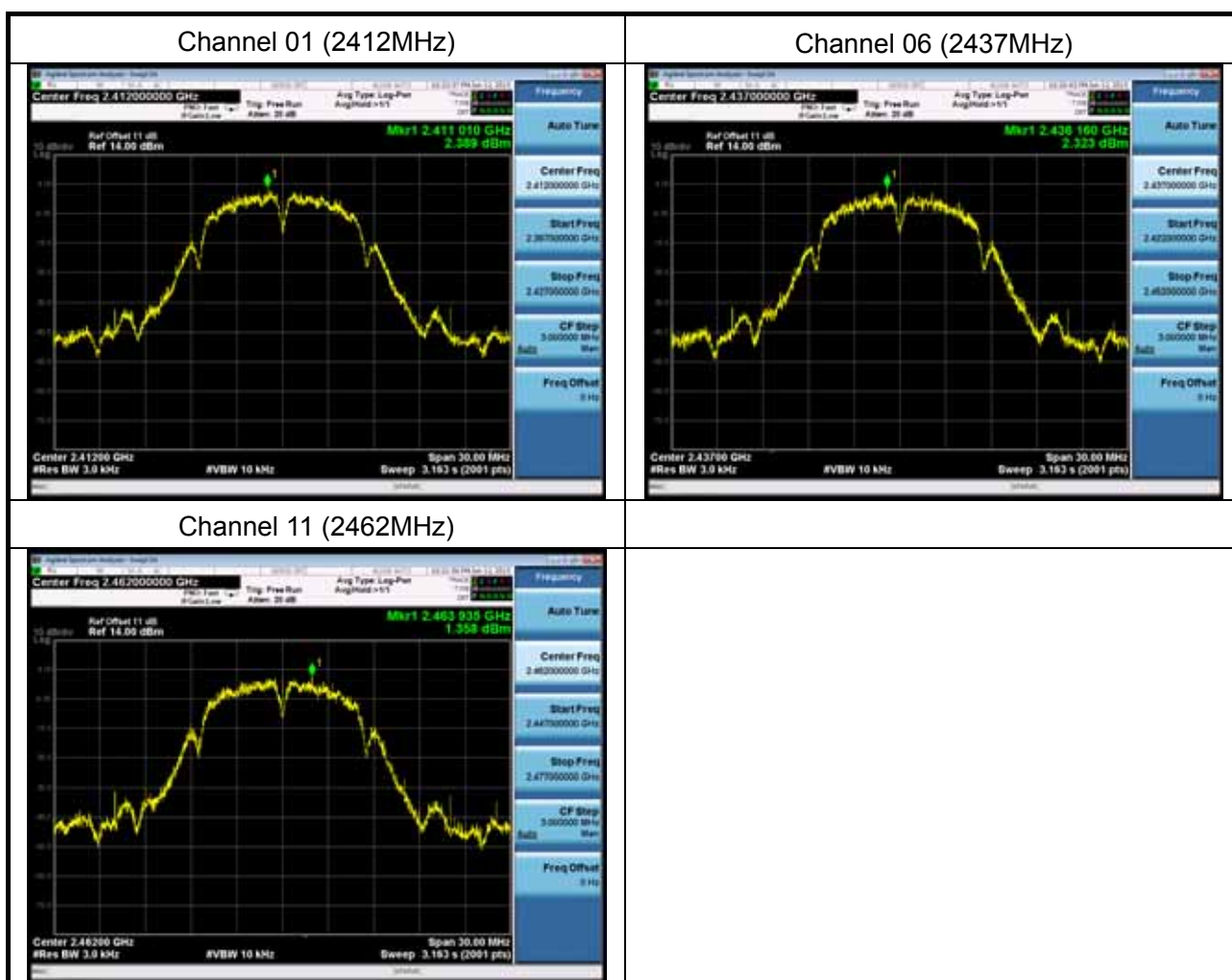
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
03	2422	-10.193	8	Pass
06	2437	-5.523	8	Pass
09	2452	-7.393	8	Pass





Test Item	Power Spectral Density
Test Mode	Transmit by 802.11b (Antenna 1)
Test Date	2015-06-12

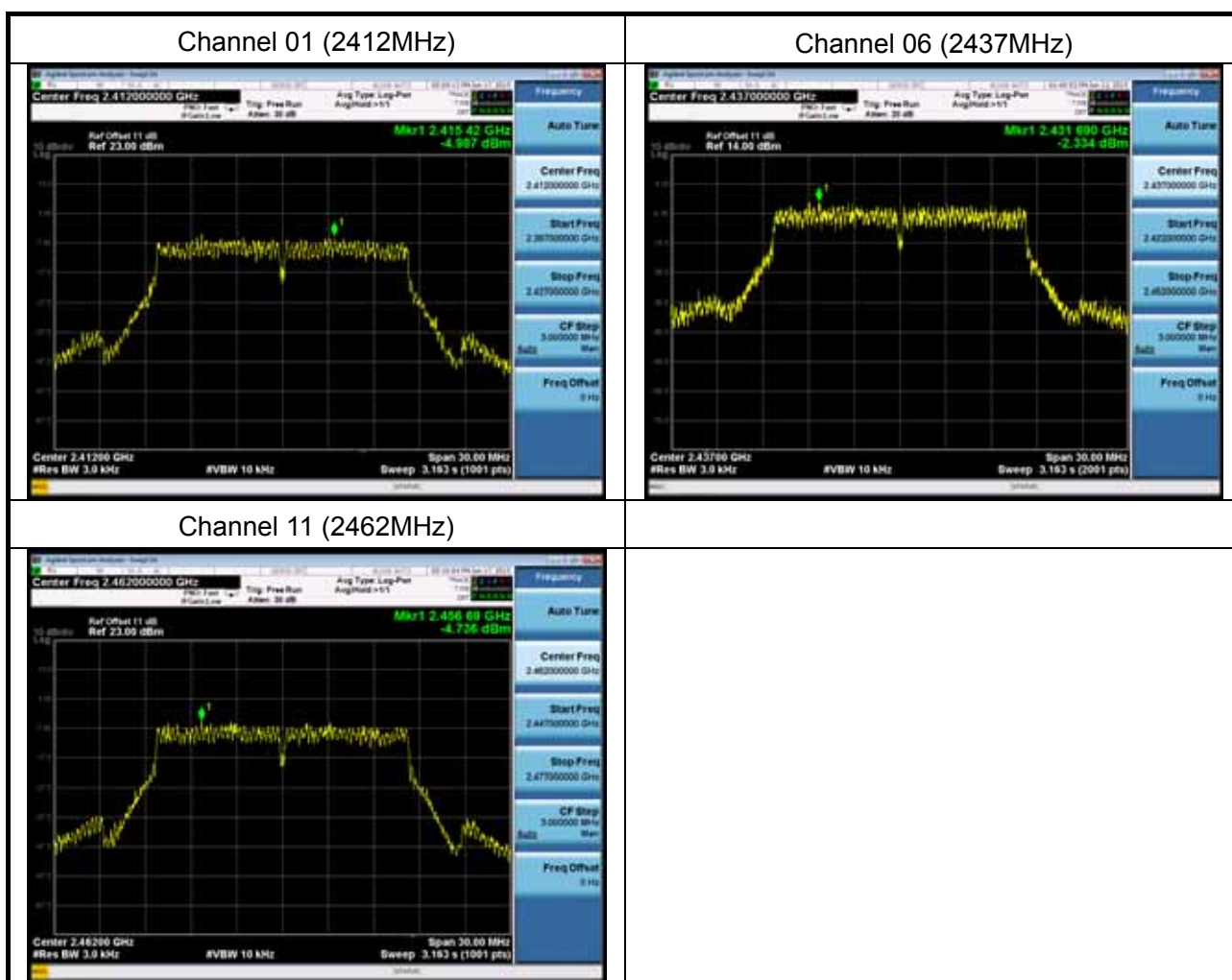
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
01	2412	2.389	8	Pass
06	2437	2.323	8	Pass
11	2462	1.358	8	Pass





Test Item	Power Spectral Density
Test Mode	Transmit by 802.11g (Antenna 1)
Test Date	2015-06-12

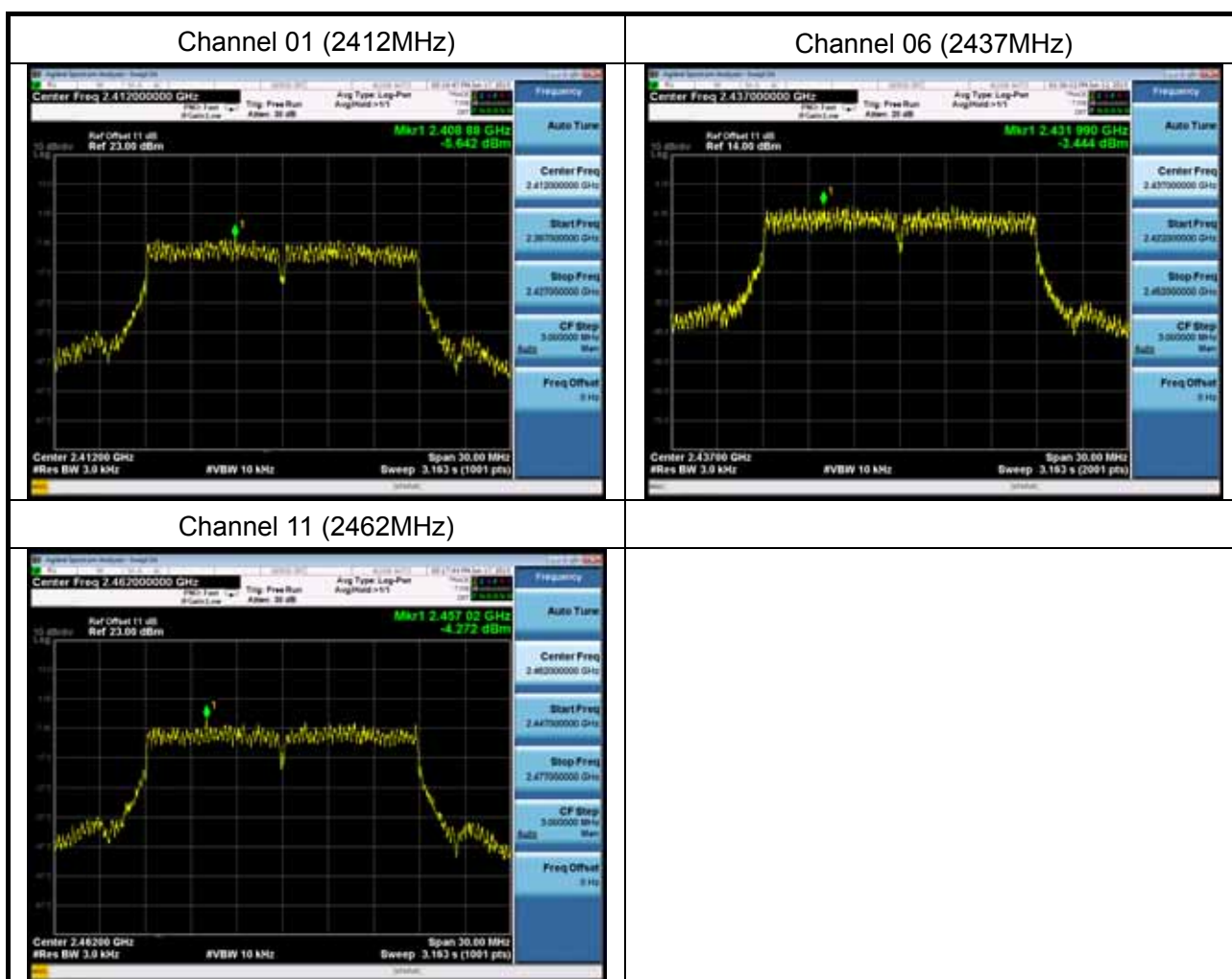
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
01	2412	-4.987	8	Pass
06	2437	-2.334	8	Pass
11	2462	-4.736	8	Pass





Test Item	Power Spectral Density
Test Mode	Transmit by 802.11n (20MHz) (Antenna 1)
Test Date	2015-06-12

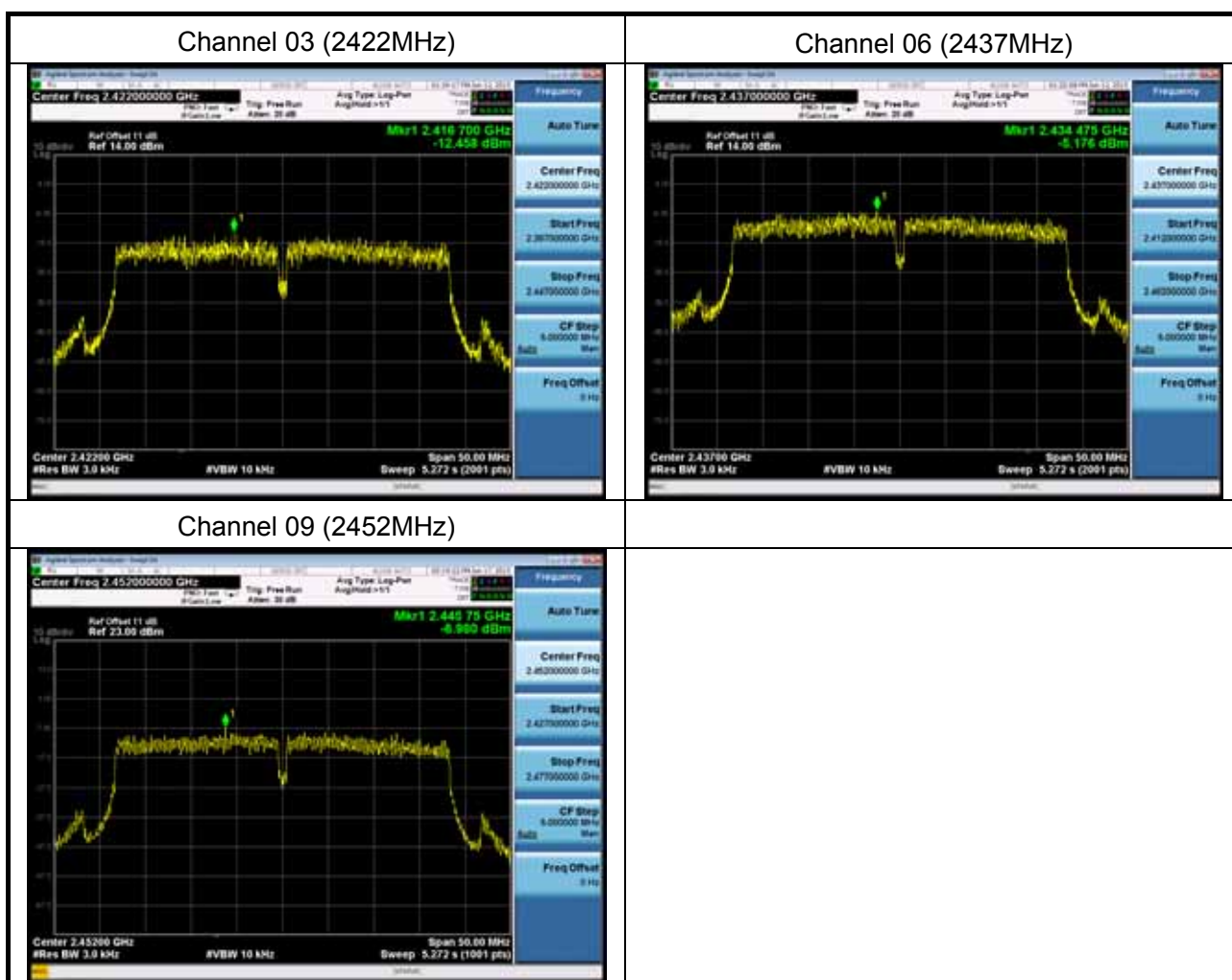
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
01	2412	-5.642	8	Pass
06	2437	-3.444	8	Pass
11	2462	-4.272	8	Pass





Test Item	Power Spectral Density
Test Mode	Transmit by 802.11n (40MHz) (Antenna 1)
Test Date	2015-06-12

Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
03	2422	-12.458	8	Pass
06	2437	-5.176	8	Pass
09	2452	-6.980	8	Pass

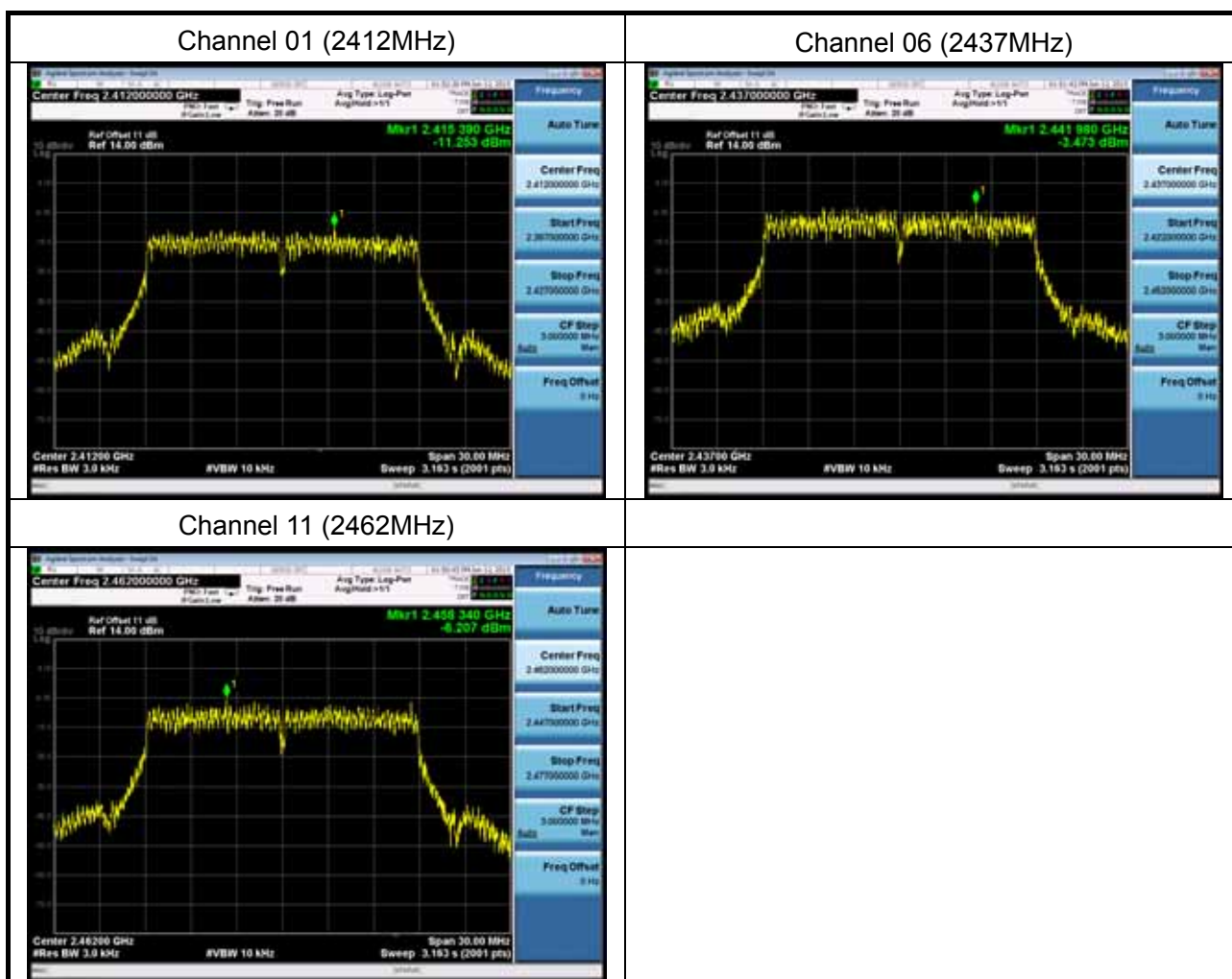




Test Item	Power Spectral Density
Test Mode	Transmit by 802.11n (20MHz) (Antenna 0+1)
Test Date	2015-06-12

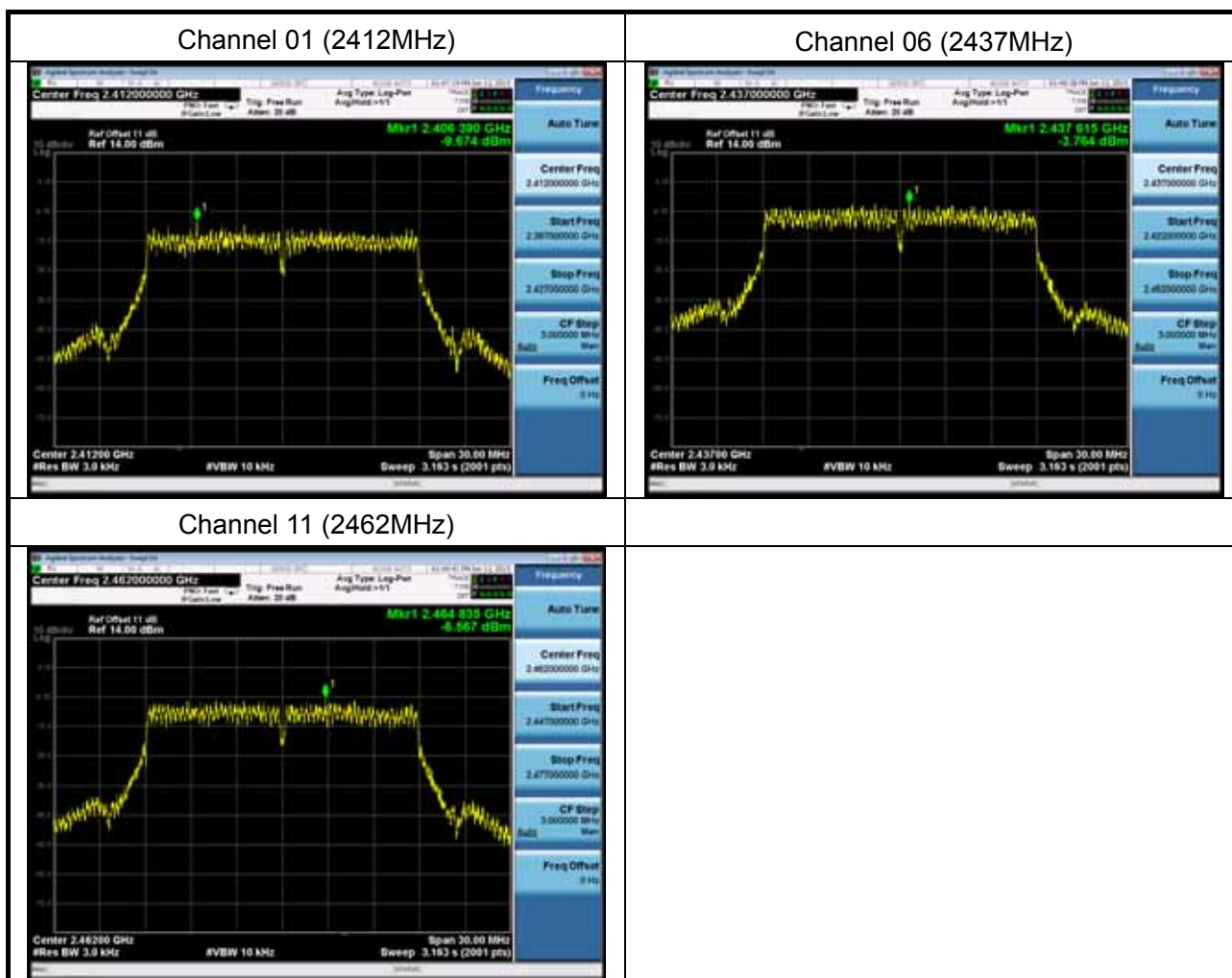
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)		Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
		Ant 0	Ant 1			
01	2412	-11.253	-9.674	-7.38	8	Pass
06	2437	-3.473	-3.764	-0.61	8	Pass
11	2462	-6.207	-6.567	-3.37	8	Pass

Ant 0/Ant 0+1





Ant 1/Ant 0+1

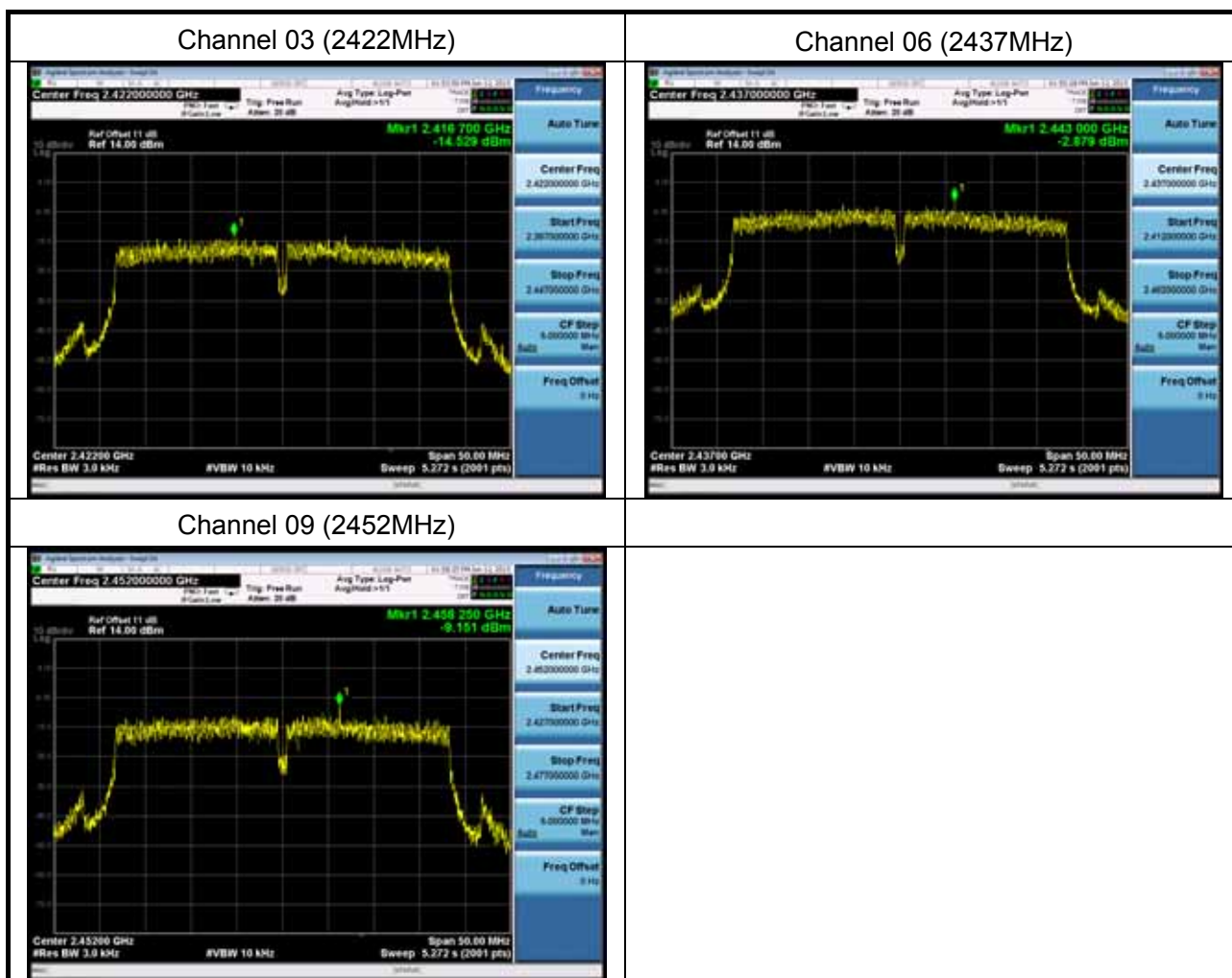




Test Item	Power Spectral Density
Test Mode	Transmit by 802.11n (40MHz) (Antenna 0+1)
Test Date	2015-06-12

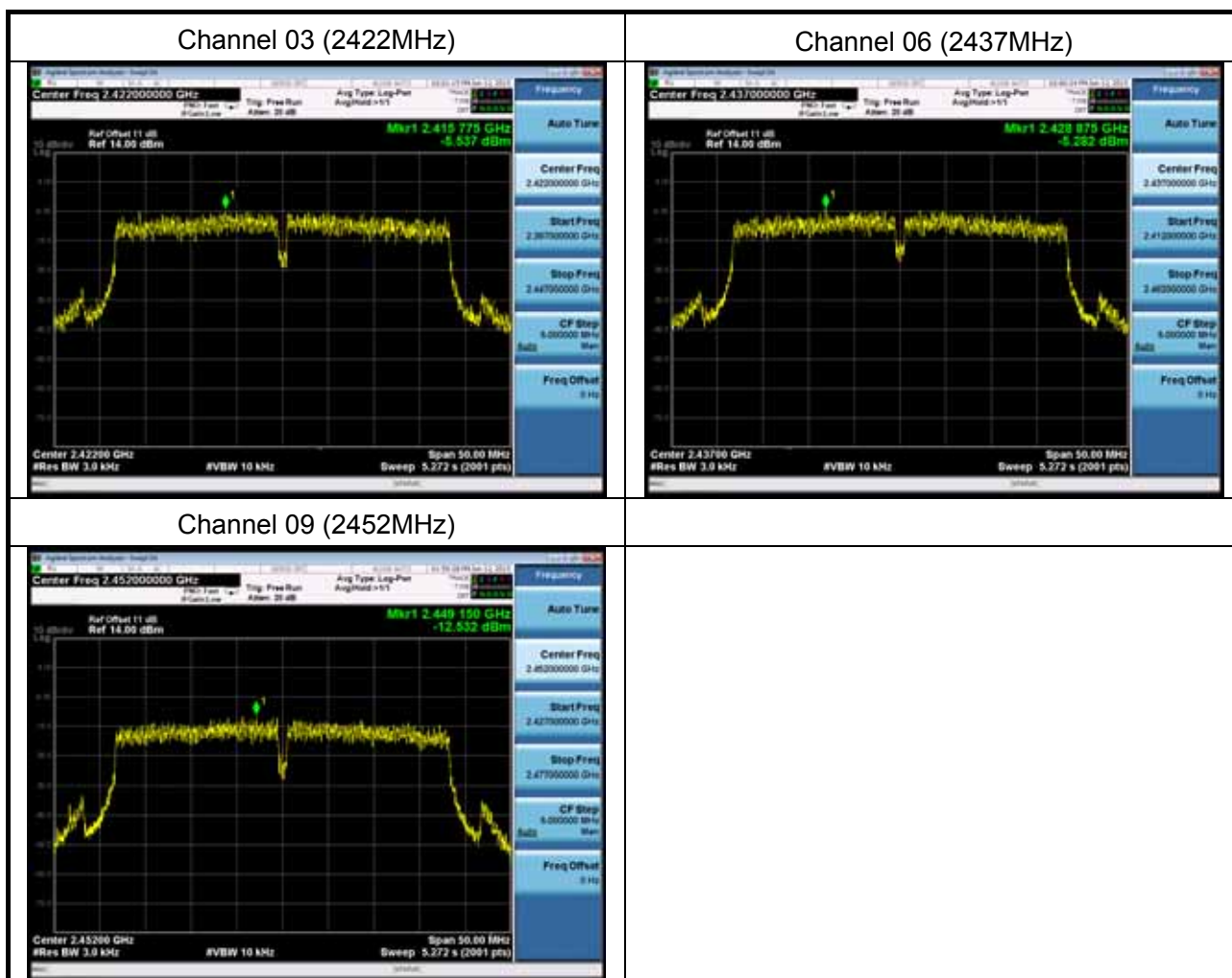
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)		Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
		Ant 0	Ant 1			
01	2412	-14.529	-5.537	-5.02	8	Pass
06	2437	-2.879	-5.282	-0.91	8	Pass
11	2462	-9.151	-12.532	-7.51	8	Pass

Ant 0/Ant 0+1





Ant 1/Ant 0+1





10. Restricted Bands of Operation

Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.09000 – 0.11000	16.42000 – 16.42300	399.9 – 410.0	4.500 – 5.250
0.49500 – 0.505**	16.69475 – 16.69525	608.0 – 614.0	5.350 – 5.460
2.17350 – 2.19050	16.80425 – 16.80475	960.0 – 1240.0	7.250 – 7.750
4.12500 – 4.12800	25.50000 – 25.67000	1300.0 – 1427.0	8.025 – 8.500
4.17725 – 4.17775	37.50000 – 38.25000	1435.0 – 1626.5	9.000 – 9.200
4.20725 – 4.20775	73.00000 – 74.60000	1645.5 – 1646.5	9.300 – 9.500
6.21500 – 6.21800	74.80000 – 75.20000	1660.0 – 1710.0	10.600 – 12.700
6.26775 – 6.26825	108.00000 – 121.94000	1718.8 – 1722.2	13.250 – 13.400
6.31175 – 6.31225	123.00000 – 138.00000	2200.0 – 2300.0	14.470 – 14.500
8.29100 – 8.29400	149.90000 – 150.05000	2310.0 – 2390.0	15.350 – 16.200
8.36200 – 8.36600	156.52475 – 156.52525	2483.5 – 2500.0	17.700 – 21.400
8.37625 – 8.38675	156.70000 – 156.90000	2655.0 – 2900.0	22.010 – 23.120
8.41425 – 8.41475	162.01250 – 167.17000	3260.0 – 3267.0	23.600 – 24.000
12.29000 – 12.29300	167.72000 – 173.20000	3332.0 – 3339.0	31.200 – 31.800
12.51975 – 12.52025	240.00000 – 285.00000	3345.8 – 3358.0	36.430 – 36.500
12.57675 – 12.57725	322.00000 – 335.40000	3600.0 – 4400.0	Above 38.6
13.36000 – 13.41000			

** : Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz

10.1 Labeling Requirement

The device shall bear the following statement in a conspicuous location on the device:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.