

RF Test Report

Applicant : Rajant Corporation

Product Name : Radio Module

Trade Name : VIZMONET

Model Number : RJ-2106

Applicable Standard : FCC 47 CFR PART 15 SUBPART C
ANSI C63.10:2013

Received Date : Jan. 03, 2023

Test Period : Jan. 12 ~ Jan. 19, 2023

Issued Date : Apr. 18, 2023

Issued by

Eurofins E&E Wireless Taiwan Co., Ltd.
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Taiwan Accreditation Foundation accreditation number: 1330
Frequency Range: 9 kHz to 325 GHz (Bade test site)
Frequency Range: 9 kHz to 40 GHz (Wugu test site)
Test Firm MRA designation number: TW0010 (Bade test site)
Test Firm MRA designation number: TW0034 (Wugu test site)

Note:

- 1.The test results are valid only for samples provided by customers and under the test conditions described in this report.
- 2.This report shall not be reproduced except in full, without the written approval of Eurofins E&E Wireless Taiwan Co., Ltd.
- 3.The relevant information is provided by customers in this test report. According to the correctness, appropriateness or completeness of the information provided by the customer, if there is any doubt or error in the information which affects the validity of the test results, the laboratory does not take the responsibility.

Revision History

Version	Issued Date	Revisions	Revised By
00	Apr. 12, 2023	Initial Issue	Emma Chao
01	Apr. 18, 2023	Update chapter 3.4 (P.11) Update chapter 4.7 (P.21)	Emma Chao

Verification of Compliance

Applicant : Rajant Corporation

Product Name : Radio Module

Trade Name : VIZMONET

Model Number : RJ-2106

FCC ID : VJA-RJ2106

Applicable Standard : FCC 47 CFR PART 15 SUBPART C
ANSI C63.10:2013

Test Result : Complied

Performing Lab. : Eurofins E&E Wireless Taiwan Co., Ltd.
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Taoyuan City 334025, Taiwan (R.O.C.)
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Taiwan Accreditation Foundation accreditation number: 1330

Eurofins E&E Wireless Taiwan Co., Ltd. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by Eurofins E&E Wireless Taiwan Co., Ltd. based on interpretations and/or observations of test results. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Approved By

: Kai Yu Yang

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1 General Information

1.1. Summary of Test Result

Standard	Item	Result	Remark
15.207	AC Power Conducted Emission	PASS	-----
15.247(d)	Transmitter Radiated Emissions	PASS	-----
15.247(b)(3)	Max. Output Power	PASS	-----
15.247(a)(2)	6 dB RF Bandwidth	PASS	-----
15.247(e)	Maximum Power Spectral Density	PASS	-----
15.247(d)	Out of Band Conducted Spurious Emission	PASS	-----
15.203	Antenna Requirement	PASS	-----

Decision Rule

☒ Uncertainty is not included.

☐ Uncertainty is included.

Standard	Description
CFR47, Part 15, Subpart C	Intentional Radiators
ANSI C63. 10: 2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
KDB 558074 D01 15.247 Meas Guidance v05r02	GUIDANCE FOR COMPLIANCE MEASUREMENTS ON DIGITAL TRANSMISSION SYSTEM, FREQUENCY HOPPING SPREAD SPECTRUM SYSTEM, AND HYBRID SYSTEM DEVICES OPERATING UNDER SECTION 15.247 OF THE FCC RULES
KDB 662911 D01 v02r01	Emissions Testing of Transmitters with Multiple Outputs in the Same Band (e.g., MIMO, Smart Antenna, etc)

1.2. Testing Location

Lab Name: Eurofins E&E Wireless Taiwan Co., Ltd.

Site Address: ☒ No. 140-1, Changan Street, Bade District, Taoyuan City 334025, Taiwan (R.O.C.)

Site Address: ☐ No. 2, Wuquan 5th Rd. Wugu Dist., New Taipei City, Taiwan (R.O.C.)

1.3. Measurement Uncertainty

Test Item	Frequency Range	Uncertainty
Conducted Emission	150 kHz ~ 30 MHz	2.7 dB
Radiated Emission	9 kHz ~ 30 MHz	1.9 dB
	30 MHz ~ 1000 MHz	4.9 dB
	1000 MHz ~ 18000 MHz	5.0 dB
	18000 MHz ~ 26500 MHz	4.4 dB
	26500 MHz ~ 40000 MHz	4.4 dB
Conducted Output Power		1.1 dB
RF Bandwidth		4.7 %
Power Spectral Density		1.1 dB

2 EUT Description

Applicant	Rajant Corporation 200 Chesterfield Parkway, Malvern, Pennsylvania 19355-3258, United States www.rajant.com			
Product Name	Radio Module			
Trade Name	VIZMONET			
Model Number	RJ-2106			
FCC ID	VJA-RJ2106			
Operate Freq. Band	Frequency Range (MHz)	Modulation	Channel Bandwidth	Data Rate
802.11b	2412 ~ 2462	DSSS	20 MHz	Up to 11 Mbps
802.11g	2412 ~ 2462	OFDM	20 MHz	Up to 54 Mbps
802.11n HT20	2412 ~ 2462	OFDM	20 MHz	Up to 144.4 Mbps
802.11n HT40	2422 ~ 2452	OFDM	40 MHz	Up to 300 Mbps
Antenna information	ANT	Model Number	Type	Max. Gain (dBi)
	ANT-0 / ANT-1	KMA-2400-5-NM	External type(Omni-directional)	5
Antenna Delivery	See section 3.1			
Operate Temp. Range	-40 ~ +85 °C			
EUT Power Rating	24 VDC			

SISO	
Frequency Band	Max. RF Output Power (W)
802.11b	0.420
802.11g	0.560
802.11n HT20	0.557
802.11n HT40	0.562

MIMO	
Frequency Band	Max. RF Output Power (W)
802.11n HT20	0.937
802.11n HT40	0.921

3 Test Methodology

3.1. Mode of Operation

Decision of Test Eurofins has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

Test Mode
Transmit Mode
802.11b
802.11g
802.11n HT20
802.11n HT40

Software used to control the EUT for staying in continuous transmitting mode was programmed.

After verification, all tests were carried out with the worst case test modes.

By preliminary testing and verifying three axis (X, Y) position of EUT transmitted status, it was found that "X axis" position was the worst, then the final test was executed the worst condition and test data were recorded in this report.

Test Mode	ANT-0	ANT-1	ANT-0+1
802.11b	V	V	---
802.11g	V	V	---
802.11n HT20	V	V	V
802.11n HT40	V	V	V

SISO					
Test Mode	Antenna Delivery	Data Rate (Mbps)	Test Channel	Worst	
				ANT-0	ANT-1
802.11b	1TX	1	1, 6, 11		V
802.11g	1TX	6	1, 6, 11		V
802.11n HT20	1TX	6.5	1, 6, 11		V
802.11n HT40	1TX	13.5	3, 6, 9		V

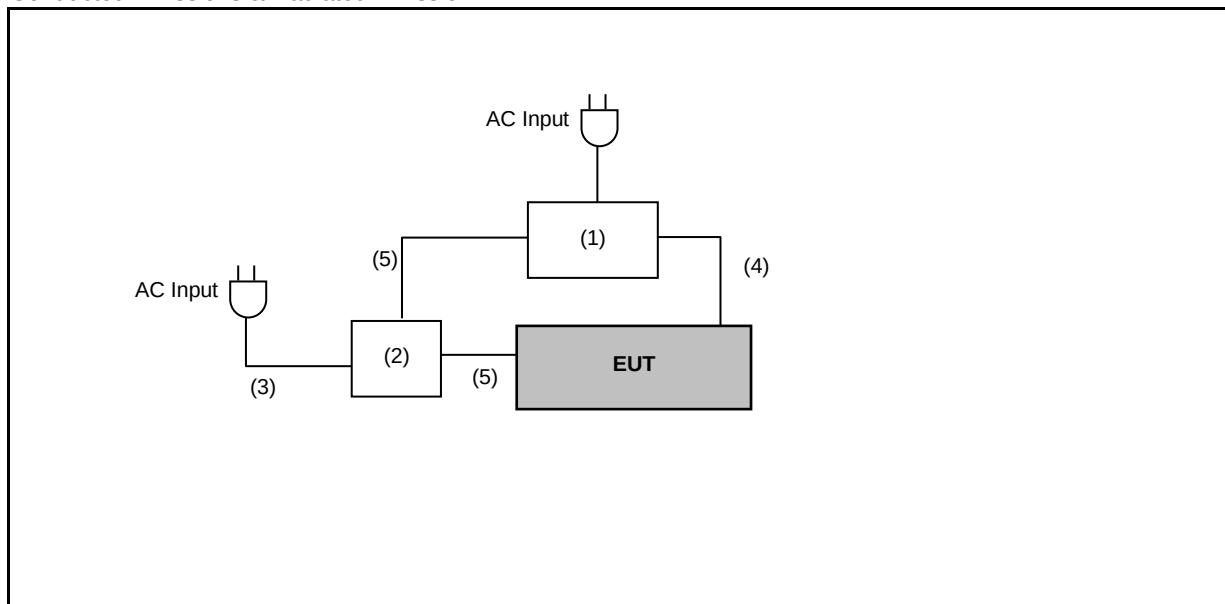
MIMO			
Test Mode	Antenna Delivery	Data Rate (Mbps)	Test Channel
802.11n HT20	2TX (STBC)	6.5	1, 6, 11
802.11n HT40	2TX (STBC)	13.5	3, 6, 9

3.2. EUT Test Step

1.	Setup the EUT shown on “Configuration of Test System Details”.
2.	Turn on the power of all equipment.
3.	Turn on TX function.
4.	EUT run test program.

3.3. Configuration of Test System Details

Conducted Emissions & Radiated Emission



Devices Description					
	Product	Manufacturer	Model Number	Serial Number	Power Cord
(1)	Notebook	HP	440G1	---	---
(2)	PoE	Tycon Systems	TP-POE-24G	---	---
(3)	Power Cable	VIZMONET	---	---	---
(4)	Fixture Cable	VIZMONET	---	---	---
(5)	RJ45 Cable	VIZMONET	---	---	---

3.4. Test Instruments

For Conducted Emission

Test Period: Jan. 14 ~ Jan. 17, 2023

Testing Engineer: Jayson Hsieh

Test Site		Conduction01-BD				
Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
☒	Test Receiver	R&S	ESCI	100367	May 19, 2022	1 year
☒	LISN	R&S	ENV216	101040	Apr. 06, 2022	1 year
☐	LISN	R&S	ENV216	101140	Jan. 25, 2022	1 year
☒	RF Cable	Woken	00100D1380194M	TE-02-03	May 27, 2022	1 year
☒	Software	EZ EMC	1.1.4.3	N/A	N.C.R.	---

For Conducted

Test Period: Jan. 12 ~ Jan. 19, 2023

Testing Engineer: Brian Lin, Andy Lu

Test Site		RF01-BD				
Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
☒	Power Sensor	Anritsu	MA2411B	1126022	Sep. 04, 2022	1 year
☒	Power Meter	Anritsu	ML2495A	1135009	Sep. 04, 2022	1 year
☒	Spectrum Analyzer (10 Hz~26.5 GHz)	Keysight	N9010B	MY59071418	Mar. 16, 2022	1 year
☐	Spectrum Analyzer (9 kHz~26.5 GHz)	Agilent	N9010A	MY48030518	Jul. 21, 2022	1 year
☐	Spectrum Analyzer (20 Hz~26.5 GHz)	Agilent	N9020A	US47520902	Sep. 01, 2022	1 year
☐	Spectrum Analyzer (3 Hz~50 GHz)	Agilent	N9030A	MY53120541	Jan. 05, 2022	1 year
☐	Temperature & Humidity Chamber	TAICHY	MHU-225LA	980729	Mar. 28, 2022	1 year

Note: N.C.R. = No Calibration Request.

For Radiated Emissions
Test Period: Jan. 13, 2023
Testing Engineer: Hung Chou

Test Site		96603-BD				
Radiation test sites		Semi Anechoic Room				
Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
☒	Spectrum Analyzer (3 Hz~50 GHz)	Agilent	N9030A	MY53120541	Dec. 29, 2022	1 year
☒	Broadband Amplifier (100 kHz~1 GHz)	Titan	T0910E00014330 A1F	001	Jul. 21, 2022	1 year
☐	Amplifier (1 GHz~26.5 GHz)	Agilent	8449B	3008A02237	Oct. 19, 2022	1 year
☒	Broadband Amplifier (1 GHz~26.5 GHz)	Titan	T0912E01263025 A1F	002	Jul. 21, 2022	1 year
☒	Active Loop Antenna (9 kHz~30 MHz)	Schwarzbeck Mess-Elektronik	FMZB 1513-60	1513-60-031	Feb. 17, 2022	1 year
☒	Trilog Broadband Antenna (30 kHz~1 GHz)	Schwarzbeck Mess-Elektronik	VULB9168	01146	Jul. 22, 2022	1 year
☒	Broadband Horn Antenna (18 GHz~40 GHz)	Schwarzbeck Mess-Elektronik	9170	9170-320	Aug. 25, 2022	1 year
☐	Horn Antenna (18 GHz~40 GHz)	ETS	3116	00086467	Dec. 05, 2022	1 year
☐	RF Cable	EMCI	EMC104-N-N-600 0	TE01-1	Feb. 18, 2022	1 year
☐	Microwave Cable	EMCI	EMC102-KM-KM- 14000	151001	Feb. 18, 2022	1 year
☒	Coaxial Cable	Titan	T0710AT327A10A 100	J11005	Aug. 04, 2022	1 year
☒	Coaxial Cable	Titan	T0710AT327A10A 900	J11004	Aug. 04, 2022	1 year
☒	Coaxial Cable	Titan	CFD400NL-LW	001	Aug. 04, 2022	1 year
☒	Software	EZ EMC	1.1.4.4	N/A	N.C.R.	---

Note: N.C.R. = No Calibration Request.

3.5. Test Site Environment

Items	Required (IEC 60068-1)	Actual
Temperature (°C)	15-35	20-30
Humidity (%RH)	25-75	45-75

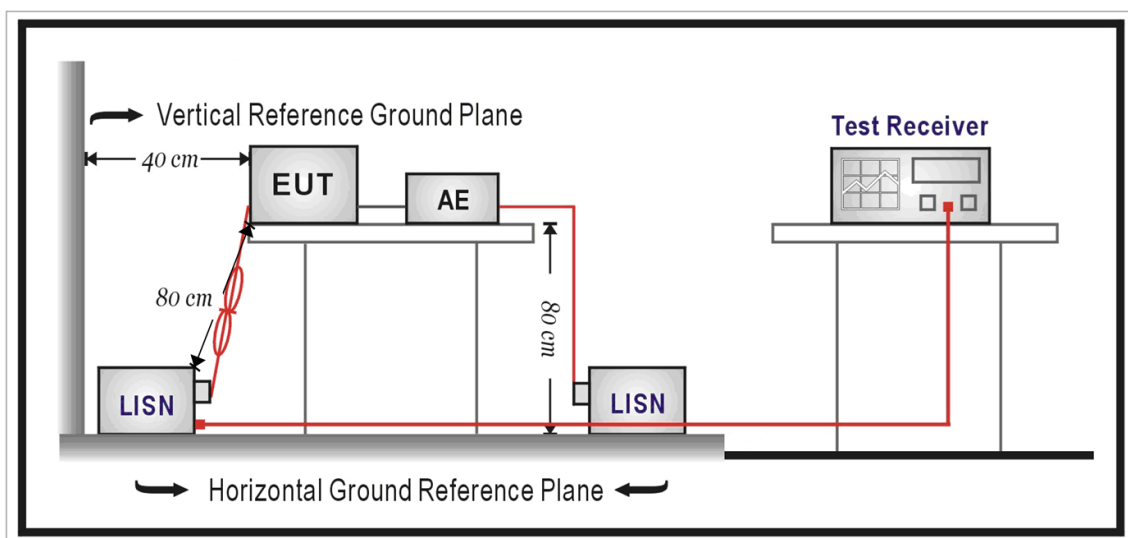
4 Measurement Procedure

4.1. AC Power Line Conducted Emission Measurement

■ Limit

Frequency (MHz)	Quasi-peak	Average
0.15 - 0.5	66 to 56	56 to 46
0.50 - 5.0	56	46
5.0 - 30.0	60	50

■ Test Setup



■ Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a $50\ \Omega // 50\ \mu\text{H}$ coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a $50\ \Omega // 50\ \mu\text{H}$ coupling impedance with 50 ohm termination.

Tabletop device shall be placed on a non-conducting platform, of nominal size 1 m by 1.5 m, raised 80 cm above the reference ground plane. The wall of screened room shall be located 40 cm to the rear of the EUT. Other surfaces of tabletop or floor standing EUT shall be at least 80 cm from any other ground conducting surface including one or more LISNs. For floor-standing device shall be placed under the EUT with a 12 mm insulating material.

Conducted emissions were investigated over the frequency range from 0.15 MHz to 30 MHz using a resolution bandwidth of 9 kHz. The equipment under test (EUT) shall be meet the limits in section 4.1, as applicable, including the average limit and the quasi-peak limit when using respectively, an average detector and quasi-peak detector measured in accordance with the methods described of related standard. When all of peak value were complied with quasi-peak and average limit from 150 kHz to 30 MHz then quasi-peak and average measurement was unnecessary.

The AMN shall be placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for AMNs mounted on top of the ground reference plane. This distance is between the closest points of the AMN and the EUT. All other units of the EUT and associated equipment shall be at least 0.8 m from the AMN. If the mains power cable is longer than 1 m then the cable shall be folded back and forth at the centre of the lead to form a bundle no longer than 0.4 m. All of interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long. All of EUT and AE shall be separate place more than 0.1 m. All 50 Ω ports of the LISN shall be resistively terminated into 50 Ω loads when not connected to the measuring instrument.

If the reading of the measuring receiver shows fluctuations close to the limit, the reading shall be observed for at least 15 s at each measurement frequency; the higher reading shall be recorded with the exception of any brief isolated high reading which shall be ignored.

4.2. Radiated Emission Measurement

■ Limit

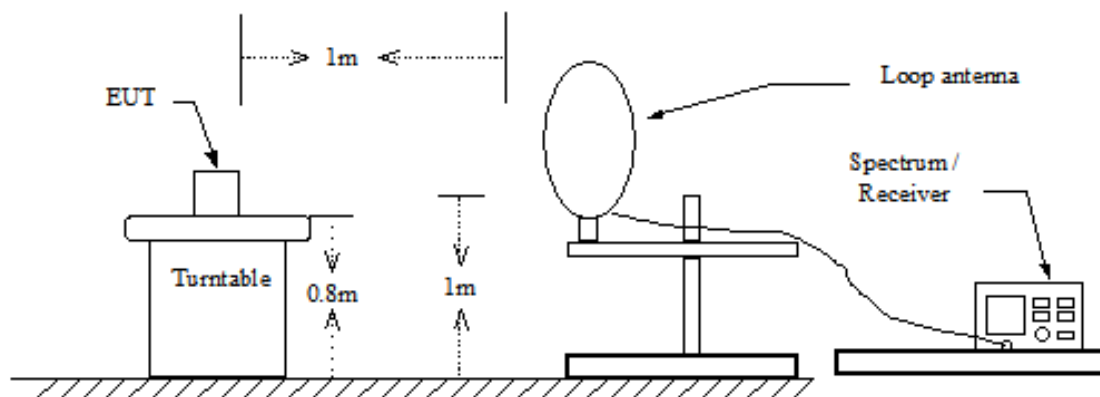
According to §15.209(a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength ($\mu\text{V}/\text{m}$ at 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

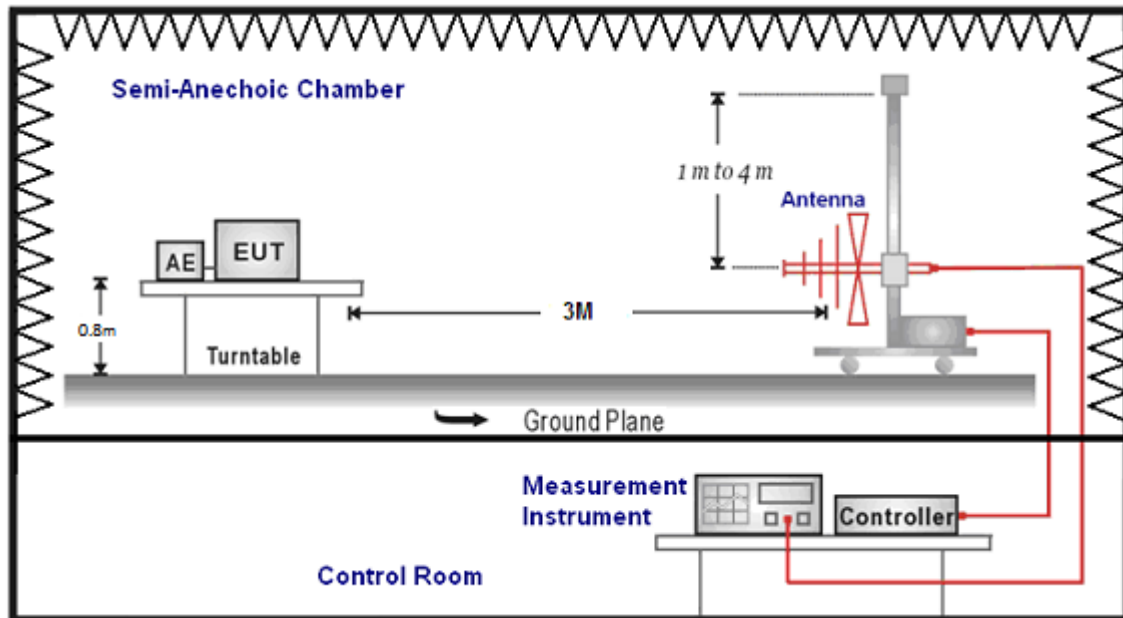
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.

■ Setup

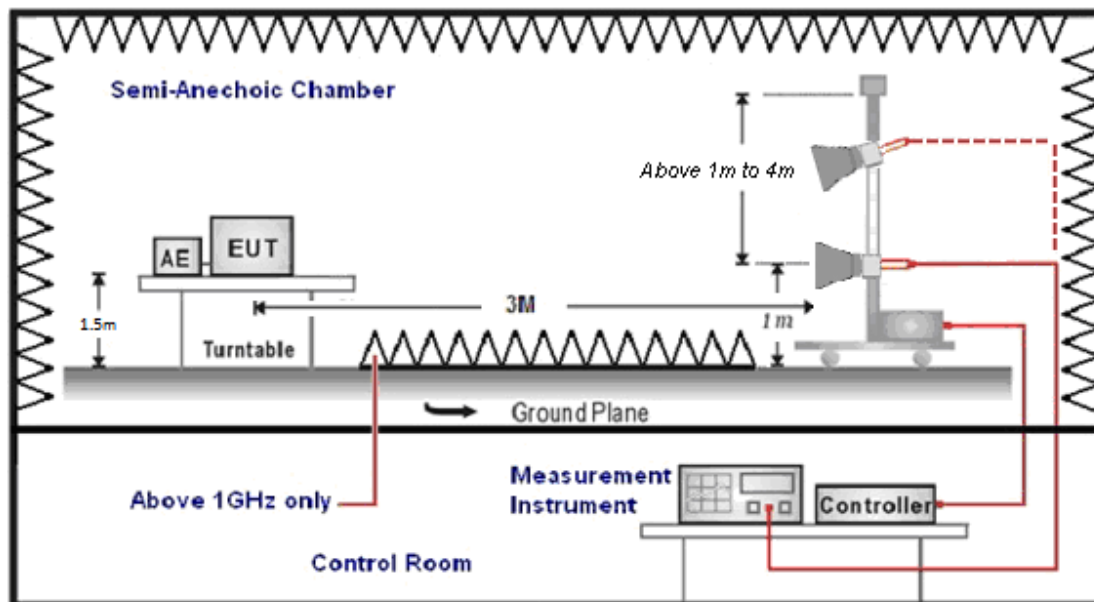
9 kHz ~ 30 MHz



Below 1 GHz



Above 1 GHz



■ Test Procedure

Final radiation measurements were made on a three-meter, Semi Anechoic Chamber. The EUT system was placed on a nonconductive turntable which is 0.8 or 1.5 meters height, top surface 1.0 x 1.5 meter. The spectrum was examined from 250 MHz to 2.5 GHz in order to cover the whole spectrum below 10th harmonic which could generate from the EUT. During the test, EUT was set to transmit continuously & Measurements spectrum range from 9 kHz to 26.5 GHz is investigated.

For measurements below 30 MHz the resolution bandwidth is set to 10 kHz for peak detection measurements or 9 kHz for quasi-peak detection measurements. The video bandwidth is 3 times of the resolution bandwidth.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, and then the video bandwidth is set to 3 MHz for peak measurements and 10 Hz for average measurements when Duty cycle >0.98 / 1/T for average measurements when Duty cycle <0.98. A nonconductive material surrounded the EUT to supporting the EUT for standing on three orthogonal planes. At each condition, the EUT was rotated 360 degrees, and the antenna was raised and lowered from one to four meters to find the maximum emission levels. Measurements were taken using both horizontal and vertical antenna polarization.

SCHWARZBECK MESS-ELEKTRONIK Biconilog Antenna at 3 Meter and the SCHWARZBECK Double Ridged Guide Antenna was used in frequencies 1 –26.5 GHz at a distance of 3 meter. The antenna at an angle toward the source of the emission. All test results were extrapolated to equivalent signal at 3 meters utilizing an inverse linear distance extrapolation Factor (20 dB/decade).

For testing above 1 GHz, the emission level of the EUT in peak mode was 20 dB lower than average limit (that means the emission level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

Appropriate preamplifiers were used for improving sensitivity and precautions were taken to avoid overloading or desensitizing the spectrum analyzer. No post – detector video filters were used in the test.

The spectrum analyzer's 6 dB bandwidth was set to 1 MHz, and the analyzer was operated in the peak detection mode, for frequencies both below and up 1 GHz. The average levels were obtained by subtracting the duty cycle correction factor from the peak readings.

The following procedures were used to convert the emission levels measured in decibels referenced to 1 microvolt (dBuV) into field intensity in micro volts per meter (uV/m).

The actual field intensity in decibels referenced to 1 microvolt in to field intensity in micro volts per meter (dBuV/m).

The actual field intensity in referenced to 1 microvolt per meter (dBuV/m) is determined by algebraically adding the measured reading in dBuV, the antenna factor (dB), and cable loss (dB) and Subtracting the gain of preamplifier (dB) is auto calculate in spectrum analyzer.

$$(1) \text{ Amplitude (dBuV/m) = FI (dBuV) + AF (dBuV) + CL (dBuV) - Gain (dB)}$$

FI= Reading of the field intensity.

AF= Antenna factor.

CL= Cable loss.

P.S Amplitude is auto calculate in spectrum analyzer.

$$(2) \text{ Actual Amplitude (dBuV/m) = Amplitude (dBuV) - Dis(dB)}$$

The FCC specified emission limits were calculated according the EUT operating frequency and by following linear interpolation equations:

(a) For fundamental frequency : Transmitter Output < +30 dBm

(b) For spurious frequency : Spurious emission limits = fundamental emission limit /10

Data of measurement within this frequency range without mark in the table above means the reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.

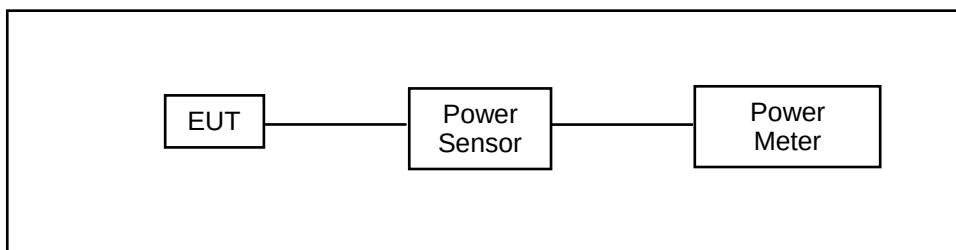
4.3. Maximum Conducted Output Power Measurement

■ Limit

For systems using digital modulation in the 2400-2483.5 MHz, the limit for maximum output power is 30 dBm.

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

■ Test Setup



■ Test Procedure

The testing follows the Measurement Procedure of ANSI C63.10:2013 section 11.9.2.3.2 Method AVGPM.

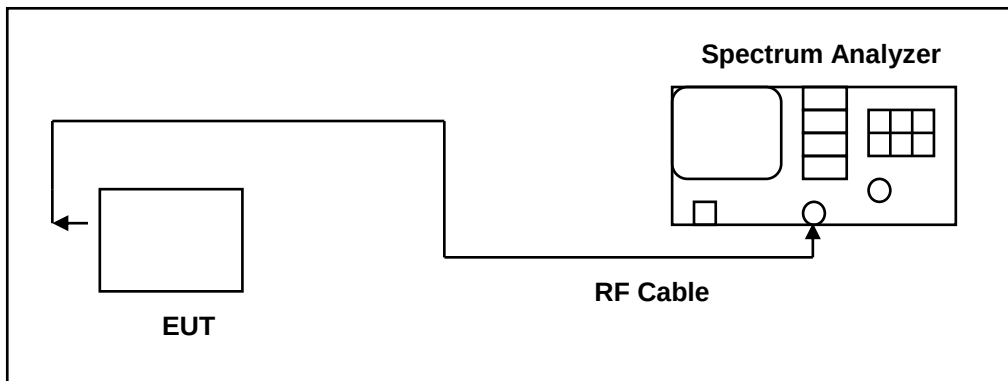
The tests below are run with the EUT's transmitter set at high power in TX mode. The EUT is needed to force selection of output power level and channel number. While testing, EUT was set to transmit continuously. Remove the Subjective device's antenna and connect the RF output port to power sensor.

4.4. 6 dB RF Bandwidth Measurement

■ Limit

6 dB RF Bandwidth: Systems using digital modulation techniques may operate in the 2400–2483.5 MHz bands. The minimum 6 dB band-width shall be at least 500 kHz.

■ Test Setup



■ Test Procedure

The EUT tested to DTS test procedure of ANSI C63.10:2013 section 11.8.2 option2 for compliance to FCC 47CFR 15.247 requirements.

6 dB RF Bandwidth: The antenna port of the EUT was connected to the input of a spectrum analyzer. Analyzer RBW was set to 100 kHz. For each RF output channel investigated, the spectrum analyzer center frequency was set to the channel carrier. A peak output reading was taken, a DISPLAY line was drawn 6 dB lower than peak level. The 6 dB bandwidth was determined from where the channel output spectrum intersected the display line.

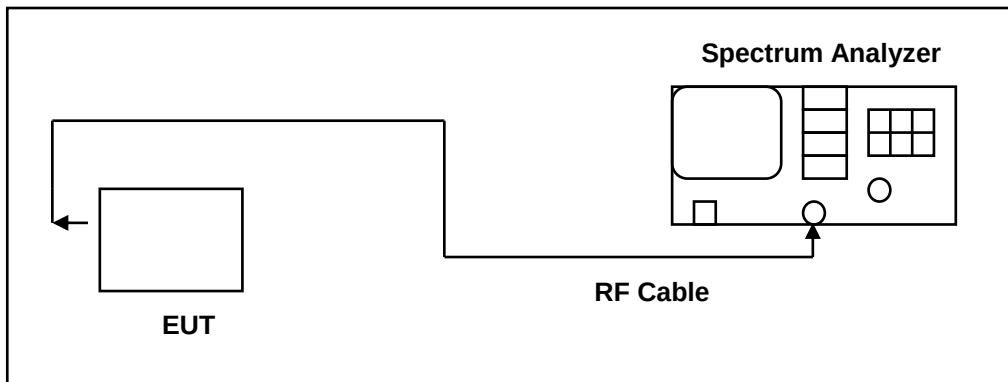
The test was performed at 3 channels (Channel low, middle, high)

4.5. Maximum Power Spectral Density Measurement

■ Limit

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

■ Test Setup



■ Test Procedure

The EUT tested to DTS test procedure of ANSI C63.10:2013 section 11.10.2 Method PKPSD for compliance to FCC 47CFR 15.247 requirements.

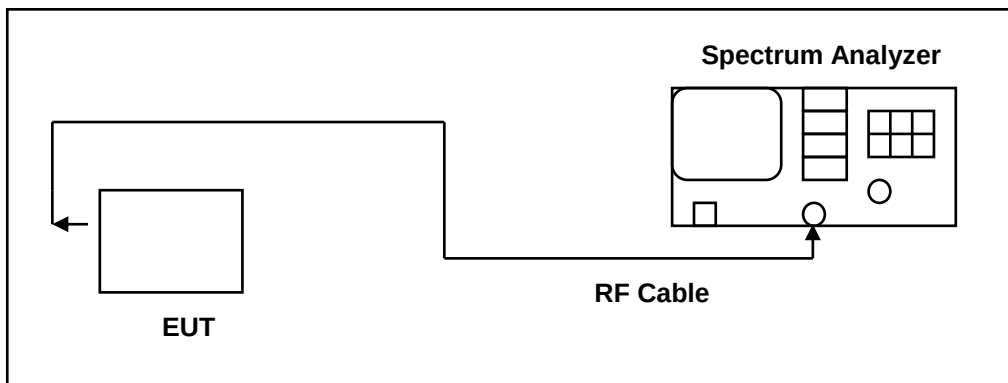
1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the DTS bandwidth.
3. Set the RBW to: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
4. Set the VBW $\geq 3 \times \text{RBW}$.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.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

4.6. Out of Band Conducted Emissions Measurement

■ Limit

In any 100 kHz 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 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power

■ Test Setup



■ Test Procedure

In any 100 kHz bandwidth outside the EUT pass band, the RF power produced by the modulation products of the spreading sequence, the information sequence, and the carrier frequency shall be at least 20 dB below that of the maximum in-band 100 kHz emission, antenna output of the EUT was coupled directly to spectrum analyzer; if an external attenuator and/or cable was used, these losses are compensated for with the analyzer OFFSET function. All other types of emissions from the EUT shall meet the general limits for radiated frequencies outside the pass band. The test was performed at 3 channels.

4.7. Antenna Measurement

■ Limit

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

■ Antenna Description

See section 2 – antenna information.

SISO :

Test mode	Transmission Type	Antenna		Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
		ANT-0 (dBi)	ANT-1 (dBi)				
802.11b	Ant-1	5.00	5.00	5.00	5.00	0.00	0.00
802.11g	Ant-1	5.00	5.00	5.00	5.00	0.00	0.00
802.11n HT20 802.11n HT40	Ant-1	5.00	5.00	5.00	5.00	0.00	0.00

MIMO (STBC) :

Test mode	Transmission Type	Antenna		Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
		ANT-0 (dBi)	ANT-1 (dBi)				
802.11b	STBC	5.00	5.00	5.00	5.00	0.00	0.00
802.11g	STBC	5.00	5.00	5.00	5.00	0.00	0.00
802.11n HT20 802.11n HT40	STBC	5.00	5.00	5.00	5.00	0.00	0.00

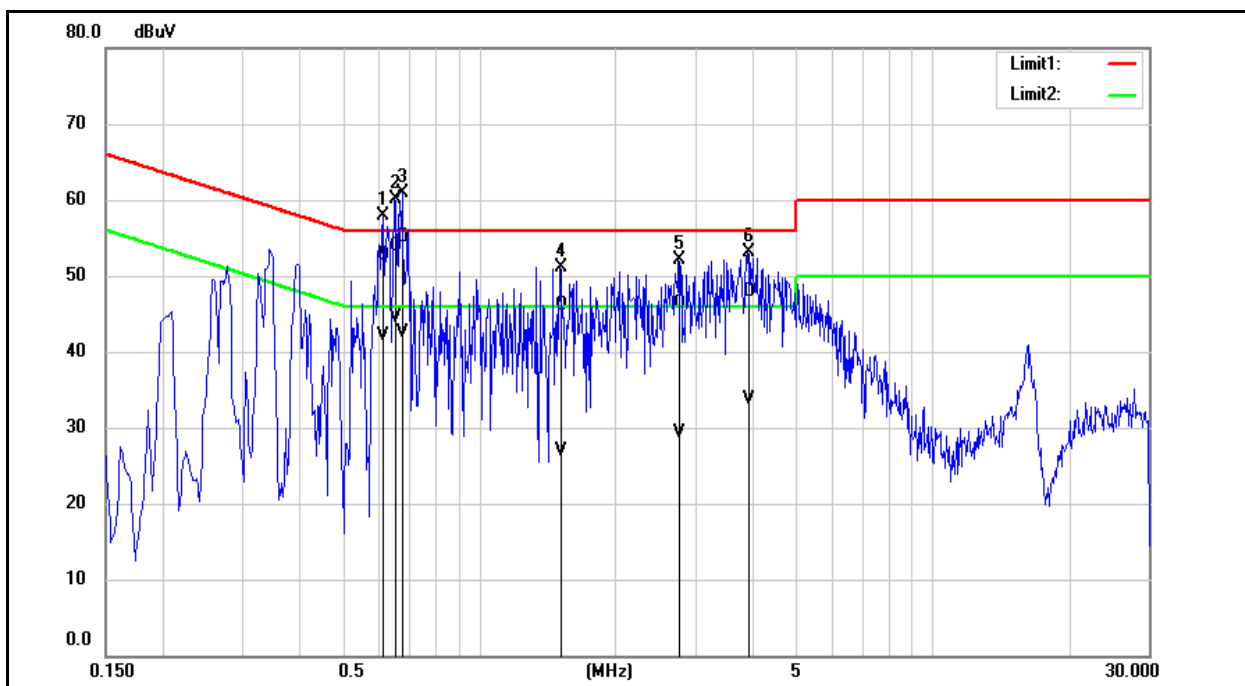
If transmit signals are correlated, then Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / NANT]$

If all transmit signals are completely uncorrelated, then Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10}) / NANT]$

5 Test Results

5.1. Conducted Emission

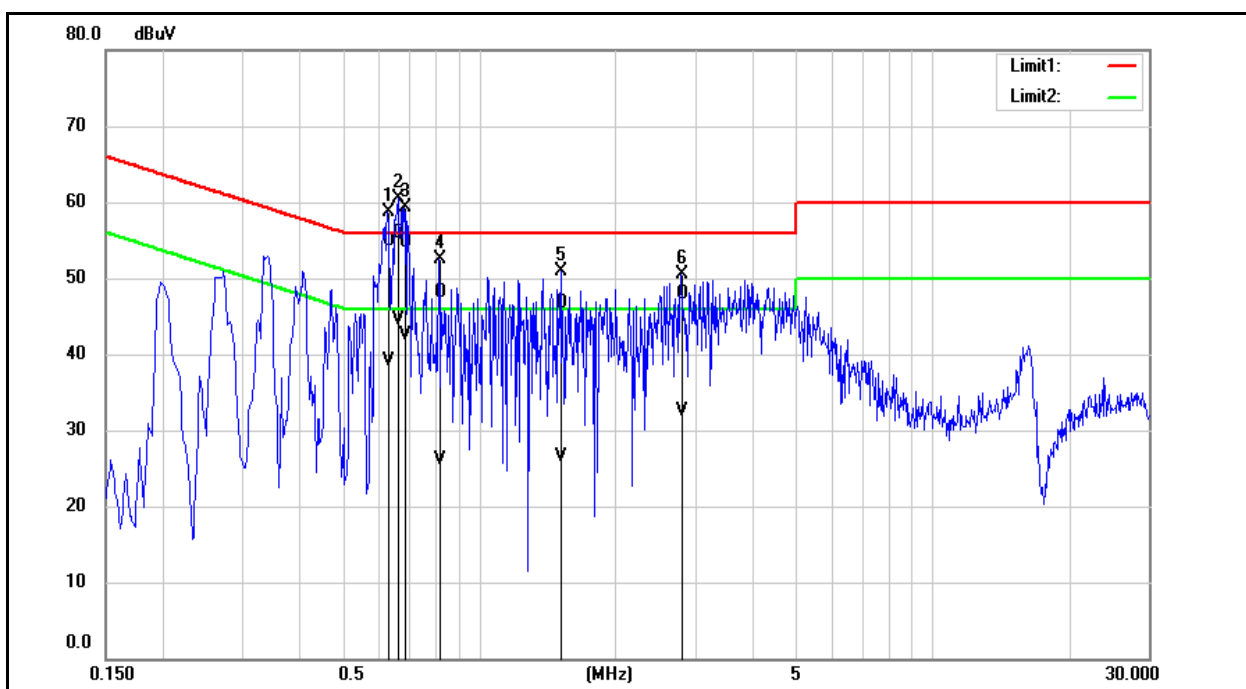
Standard:	Part 15.247	Line:	L1
Test item:	Conducted Emission	Power:	AC 120 V/60 Hz
Mode:	Transmit Mode		
Description:			



No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.6140	43.09	32.63	9.55	52.64	42.18	56.00	46.00	-3.36	-3.82	Pass
2	0.6540	44.29	34.95	9.56	53.85	44.51	56.00	46.00	-2.15	-1.49	Pass
3	0.6780	45.63	33.01	9.56	55.19	42.57	56.00	46.00	-0.81	-3.43	Pass
4	1.5060	36.44	17.21	9.60	46.04	26.81	56.00	46.00	-9.96	-19.19	Pass
5	2.7620	36.68	19.66	9.64	46.32	29.30	56.00	46.00	-9.68	-16.70	Pass
6	3.9020	38.17	23.94	9.67	47.84	33.61	56.00	46.00	-8.16	-12.39	Pass

Note: 1. Result (dBuV) = Correction factor (dB) + Reading(dBuV).
 2. Correction factor (dB) = Cable loss (dB) + L.I.S.N. factor (dB).

Standard:	Part 15.247	Line:	N
Test item:	Conducted Emission	Power:	AC 120 V/60 Hz
Mode:	Transmit Mode		
Description:			



No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.6300	45.29	29.54	9.62	54.91	39.16	56.00	46.00	-1.09	-6.84	Pass
2	0.6620	46.25	34.91	9.62	55.87	44.53	56.00	46.00	-0.13	-1.47	Pass
3	0.6860	45.13	32.85	9.62	54.75	42.47	56.00	46.00	-1.25	-3.53	Pass
4	0.8140	38.46	16.55	9.63	48.09	26.18	56.00	46.00	-7.91	-19.82	Pass
5	1.5180	37.08	16.84	9.67	46.75	26.51	56.00	46.00	-9.25	-19.49	Pass
6	2.7860	38.20	22.87	9.70	47.90	32.57	56.00	46.00	-8.10	-13.43	Pass

Note: 1. Result (dBuV) = Correction factor (dB) + Reading(dBuV).
2. Correction factor (dB) = Cable loss (dB) + L.I.S.N. factor (dB).

5.2. Conducted Test Results

Duty cycle

Reference Appendix A / Appendix B

Maximum Conducted Output Power Measurement

Reference Appendix A

Out of Band Conducted Spurious Emission

Reference Appendix B

Reference level

Reference Appendix B

Conducted Band Edge

Reference Appendix B

6 dB RF Bandwidth Measurement

Reference Appendix A / Appendix B

99% Occupied Bandwidth

Reference Appendix A / Appendix B

Maximum Power Spectral Density Measurement

Reference Appendix A / Appendix B

5.3. Radiated Emission Measurement

SISO

Below 1 GHz

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	Transmit Mode		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	180.3500	61.78	-24.99	36.79	43.50	-6.71	QP
2	240.4900	56.62	-24.80	31.82	46.00	-14.18	QP
3	336.5200	58.45	-22.07	36.38	46.00	-9.62	QP
4	432.5500	50.77	-19.38	31.39	46.00	-14.61	QP
5	500.4500	49.94	-18.00	31.94	46.00	-14.06	QP
6	624.6100	48.67	-15.63	33.04	46.00	-12.96	QP

Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	Transmit Mode		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	146.4000	54.68	-24.12	30.56	43.50	-12.94	QP
2	384.0500	58.24	-20.71	37.53	46.00	-8.47	QP
3	454.8600	53.40	-18.82	34.58	46.00	-11.42	QP
4*	499.4800	56.13	-18.02	38.11	46.00	-7.89	QP
5	624.6100	47.28	-15.63	31.65	46.00	-14.35	QP
6	749.7400	45.14	-13.27	31.87	46.00	-14.13	QP

Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

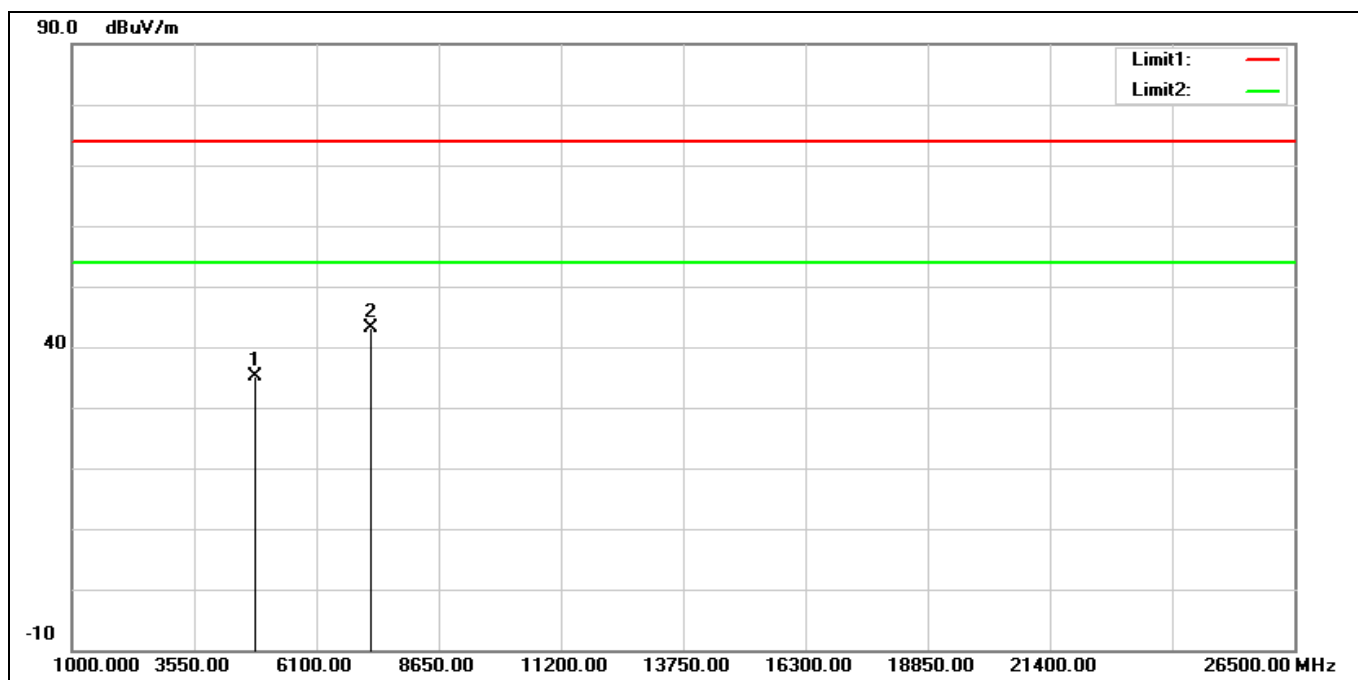
2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Harmonic

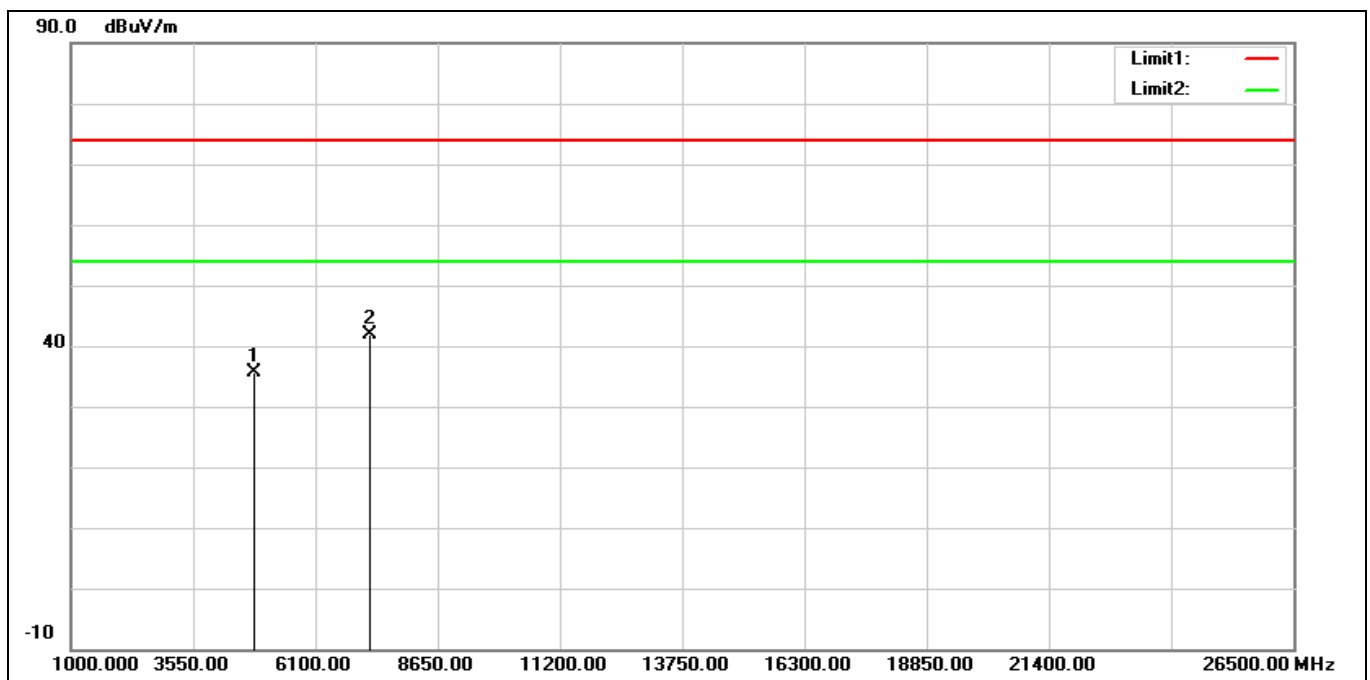
Above 1 GHz

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11b 2412 MHz		
Remark:			



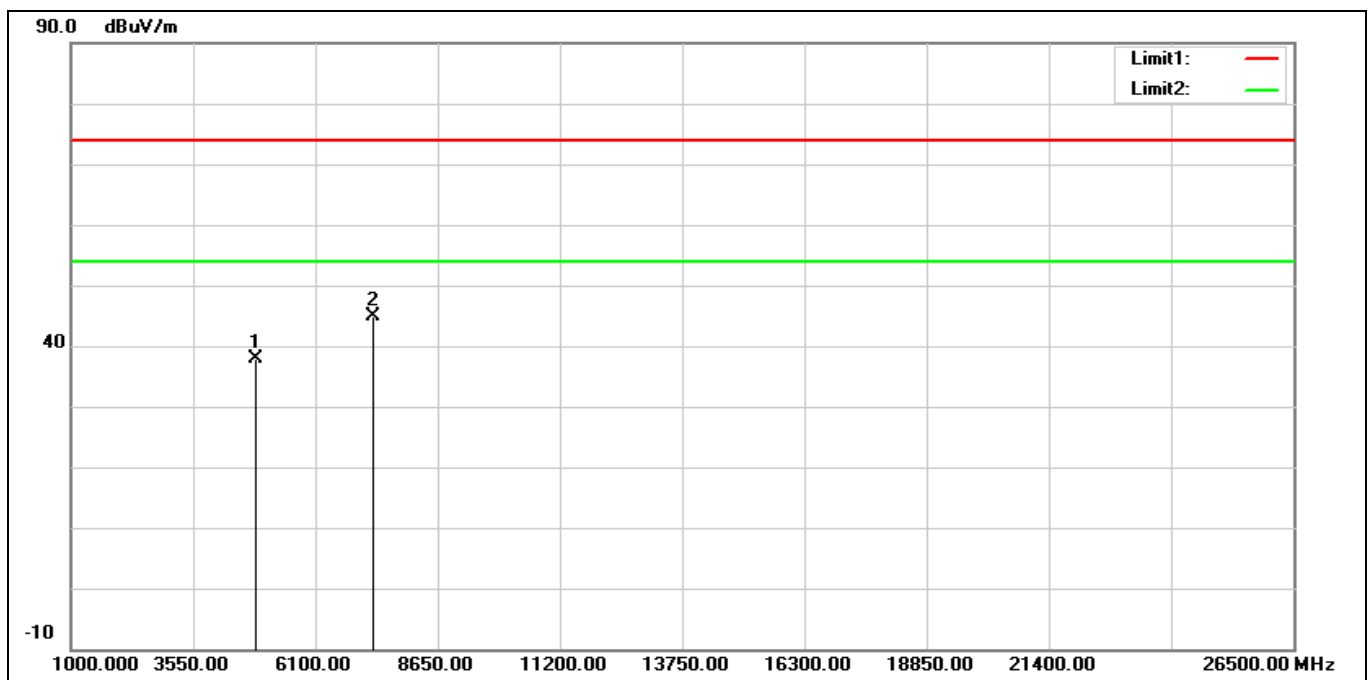
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	34.95	0.28	35.23	74.00	-38.77	peak
2*	7236.000	35.21	7.96	43.17	74.00	-30.83	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11b 2412 MHz		
Remark:			



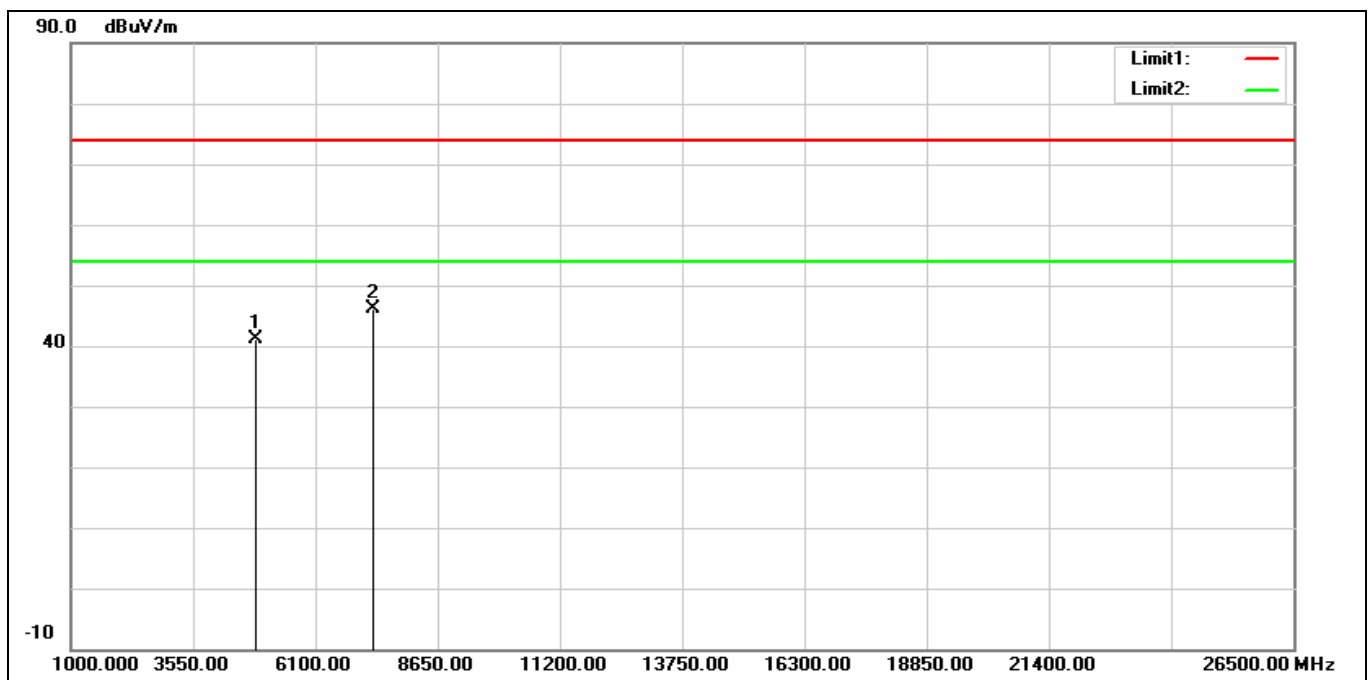
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	35.36	0.28	35.64	74.00	-38.36	peak
2*	7236.000	33.94	7.96	41.90	74.00	-32.10	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11b 2437 MHz		
Remark:			



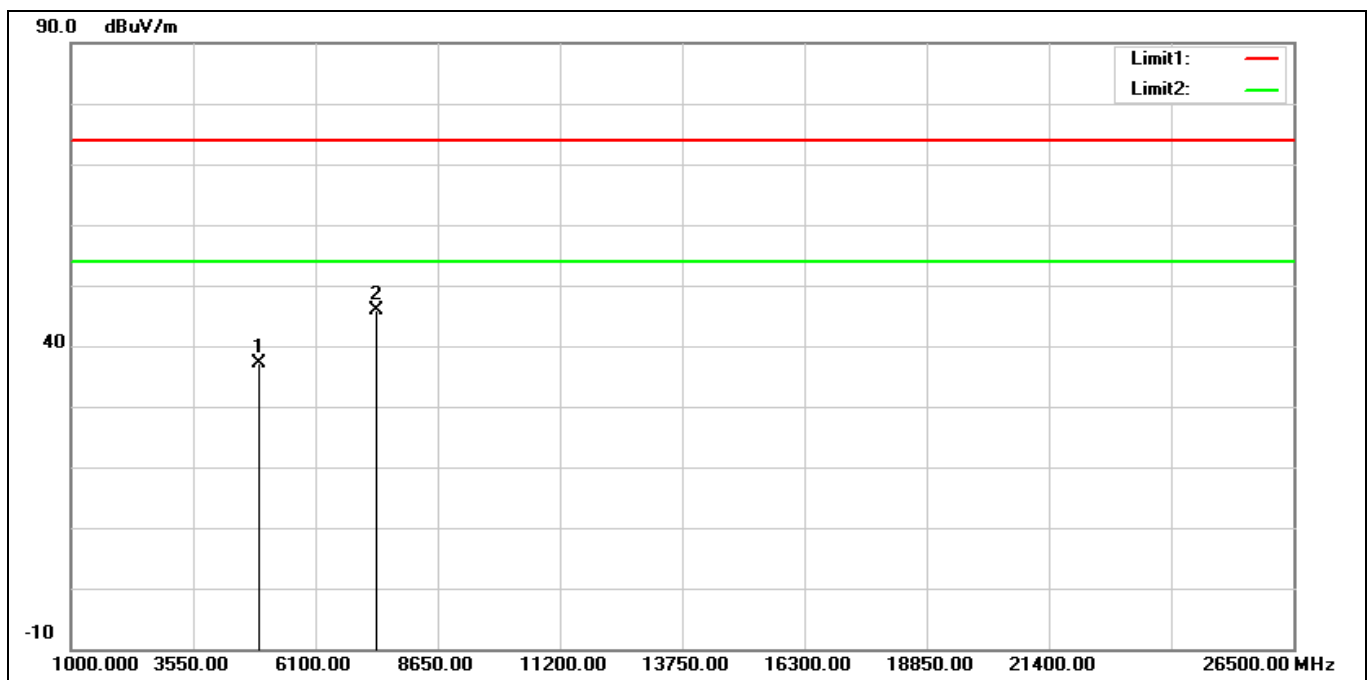
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	37.64	0.36	38.00	74.00	-36.00	peak
2*	7311.000	36.87	7.98	44.85	74.00	-29.15	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11b 2437 MHz		
Remark:			



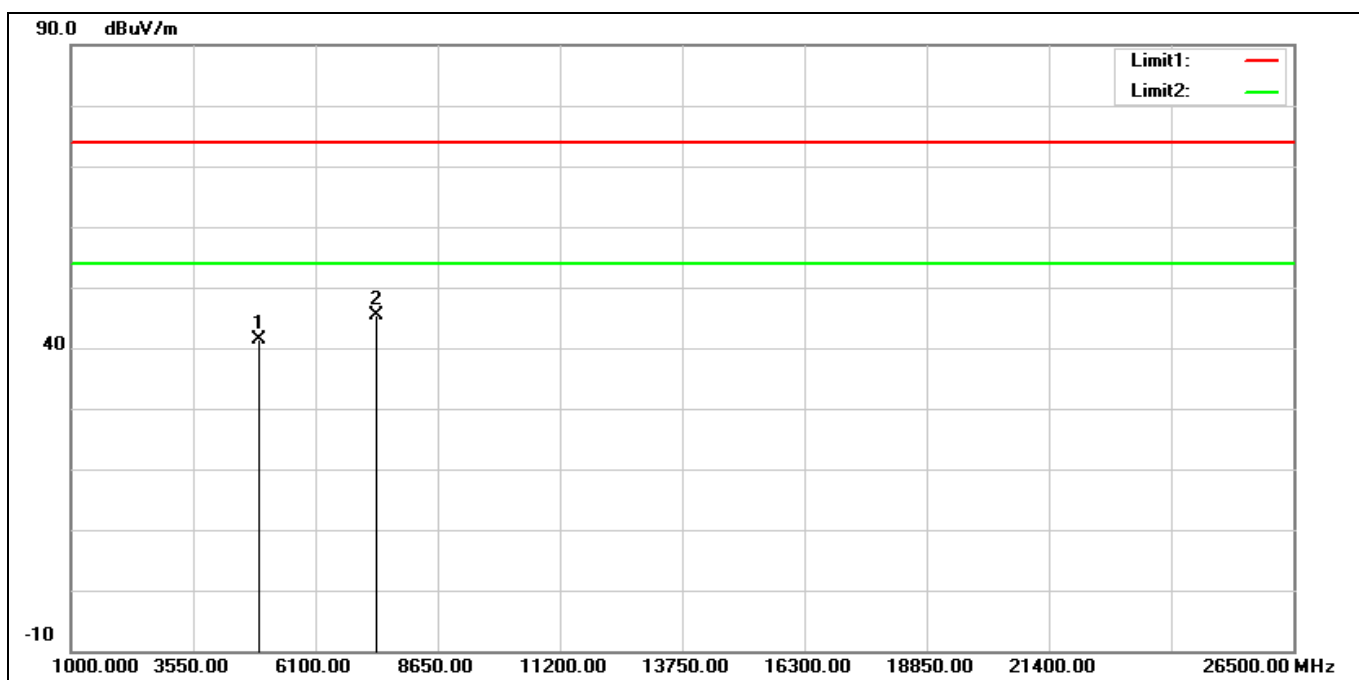
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	40.76	0.36	41.12	74.00	-32.88	peak
2*	7311.000	38.14	7.98	46.12	74.00	-27.88	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11b 2462 MHz		
Remark:			



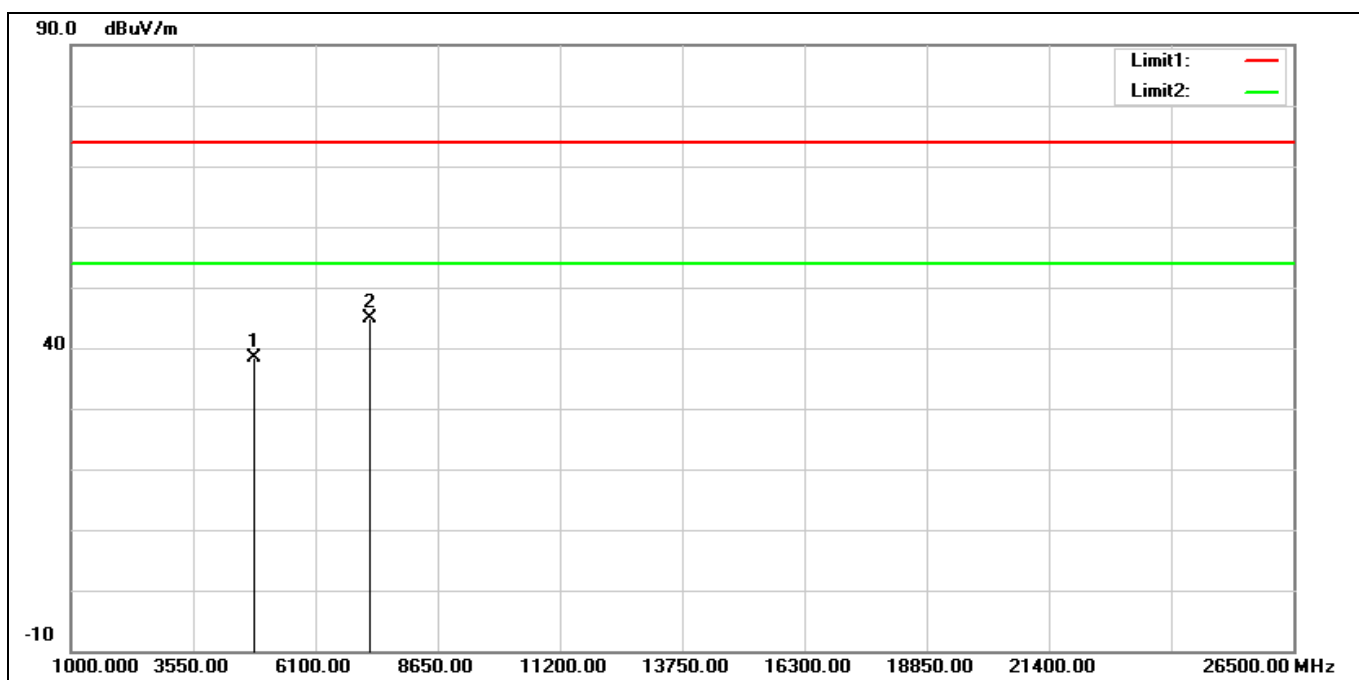
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	36.74	0.50	37.24	74.00	-36.76	peak
2*	7386.000	37.83	8.11	45.94	74.00	-28.06	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11b 2462 MHz		
Remark:			



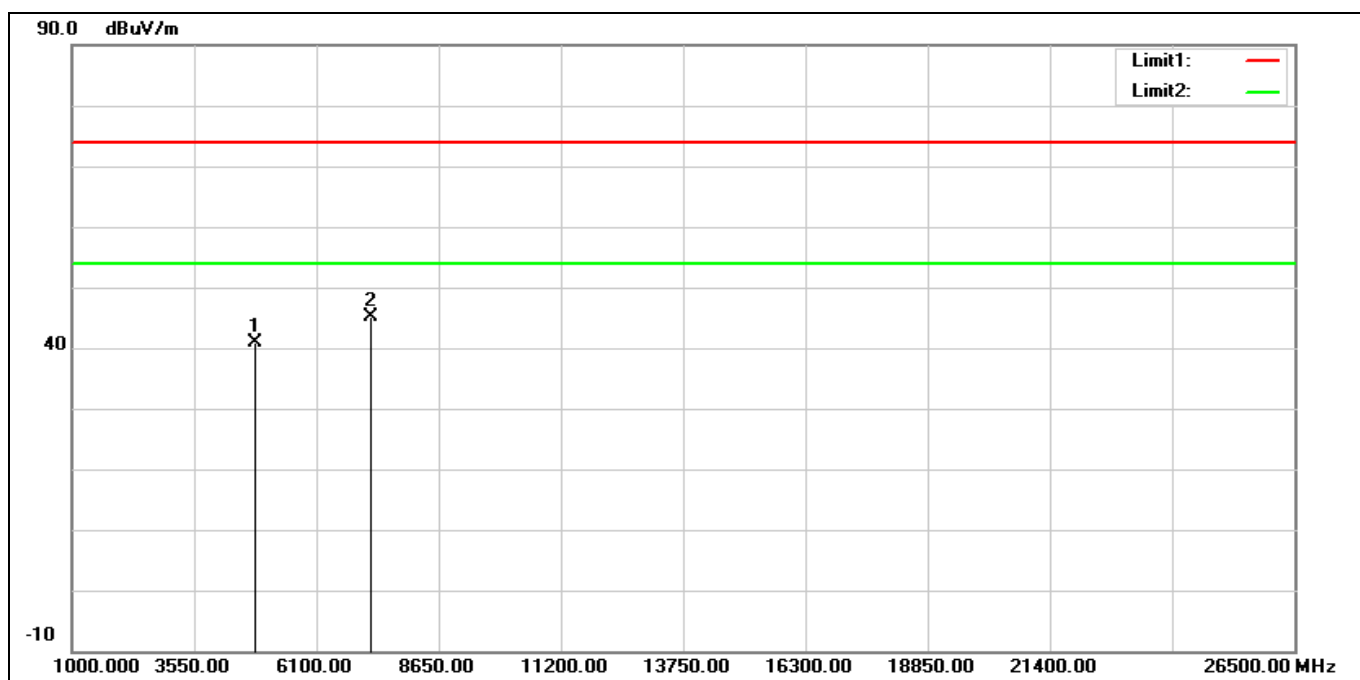
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	40.87	0.50	41.37	74.00	-32.63	peak
2*	7386.000	37.29	8.11	45.40	74.00	-28.60	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2412 MHz		
Remark:			



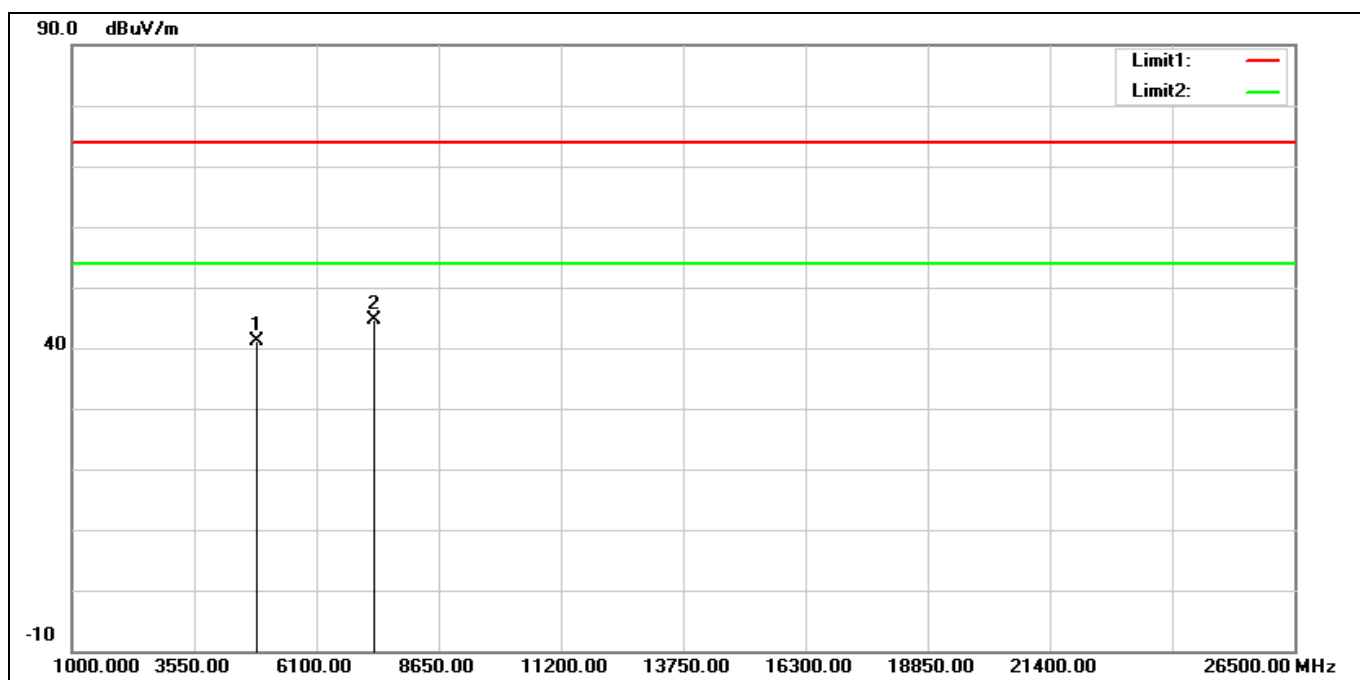
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	38.10	0.28	38.38	74.00	-35.62	peak
2*	7236.000	36.87	7.96	44.83	74.00	-29.17	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2412 MHz		
Remark:			



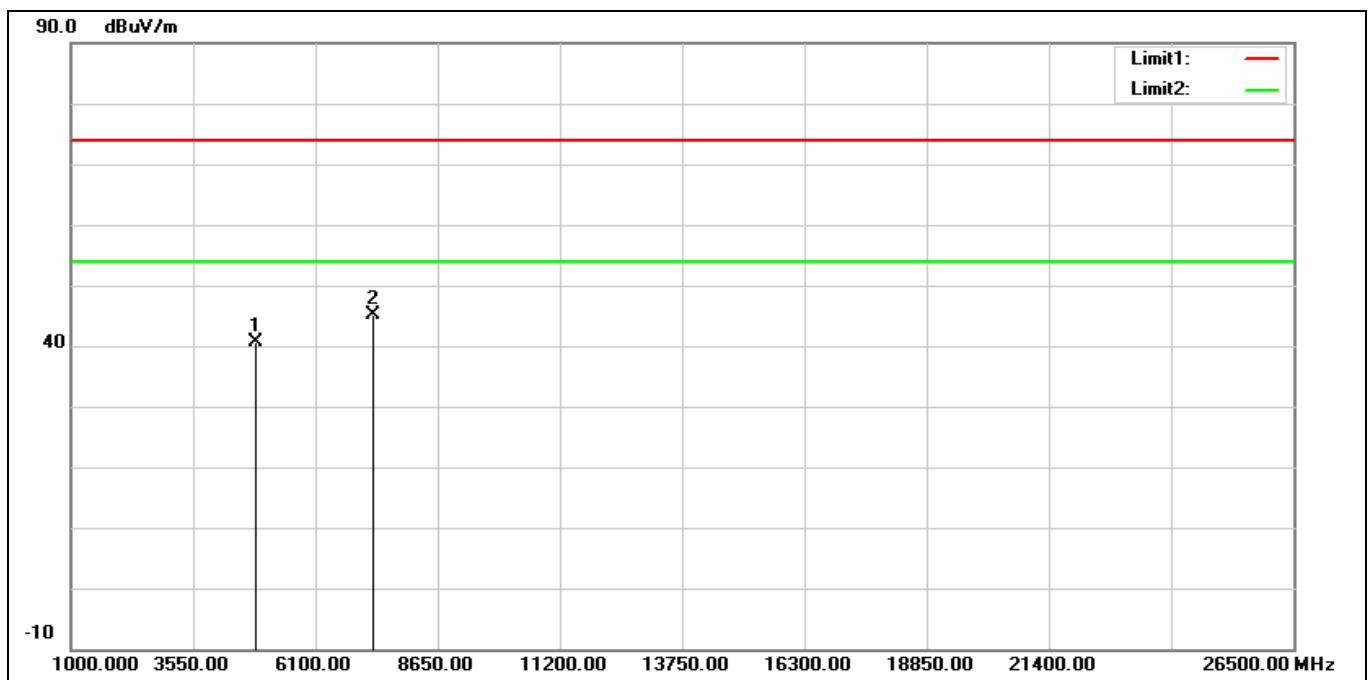
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	40.51	0.28	40.79	74.00	-33.21	peak
2*	7236.000	37.25	7.96	45.21	74.00	-28.79	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2437 MHz		
Remark:			



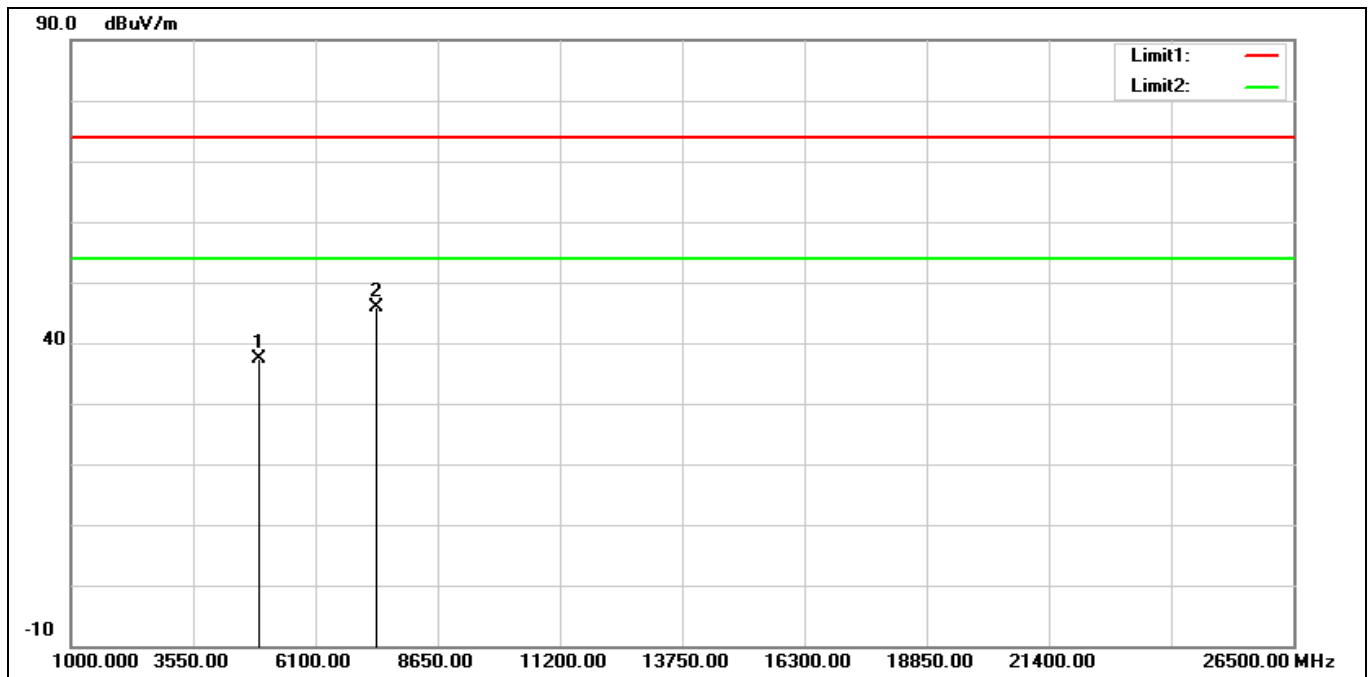
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	40.79	0.36	41.15	74.00	-32.85	peak
2*	7311.000	36.74	7.98	44.72	74.00	-29.28	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2437 MHz		
Remark:			



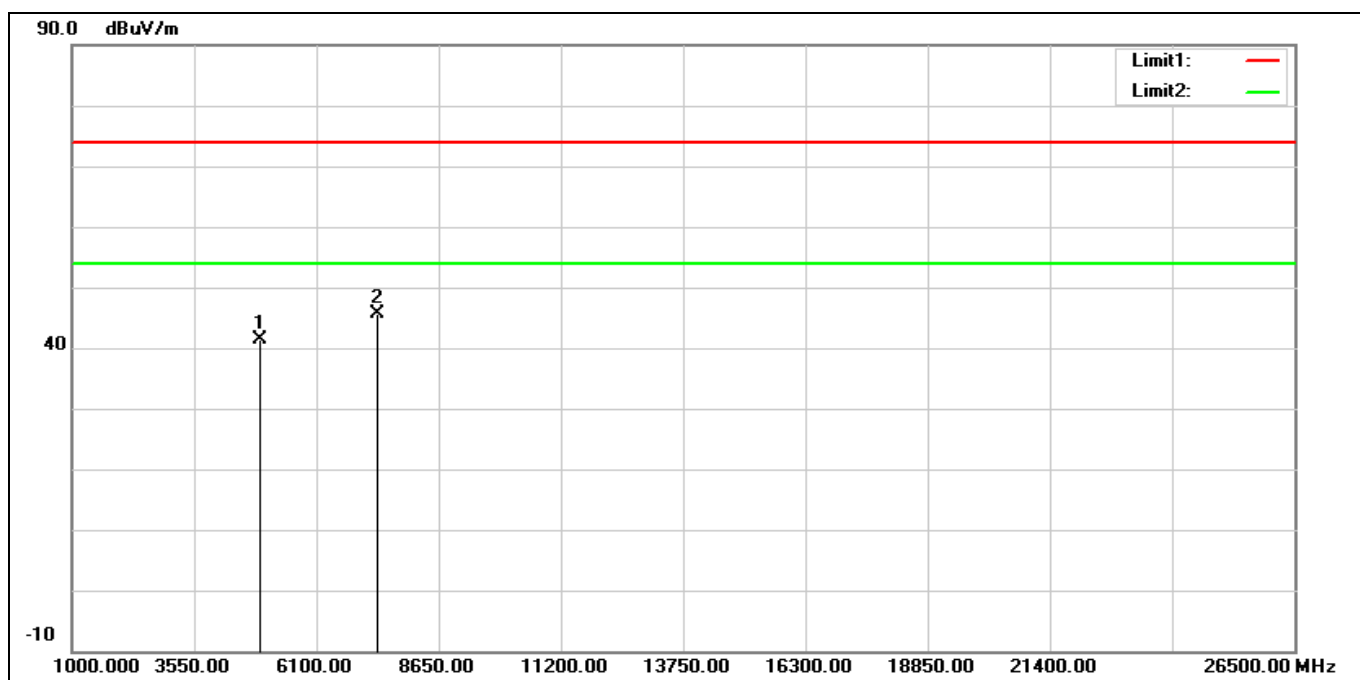
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	40.16	0.36	40.52	74.00	-33.48	peak
2*	7311.000	37.14	7.98	45.12	74.00	-28.88	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2462 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	36.82	0.50	37.32	74.00	-36.68	peak
2*	7386.000	37.65	8.11	45.76	74.00	-28.24	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2462 MHz		
Remark:			



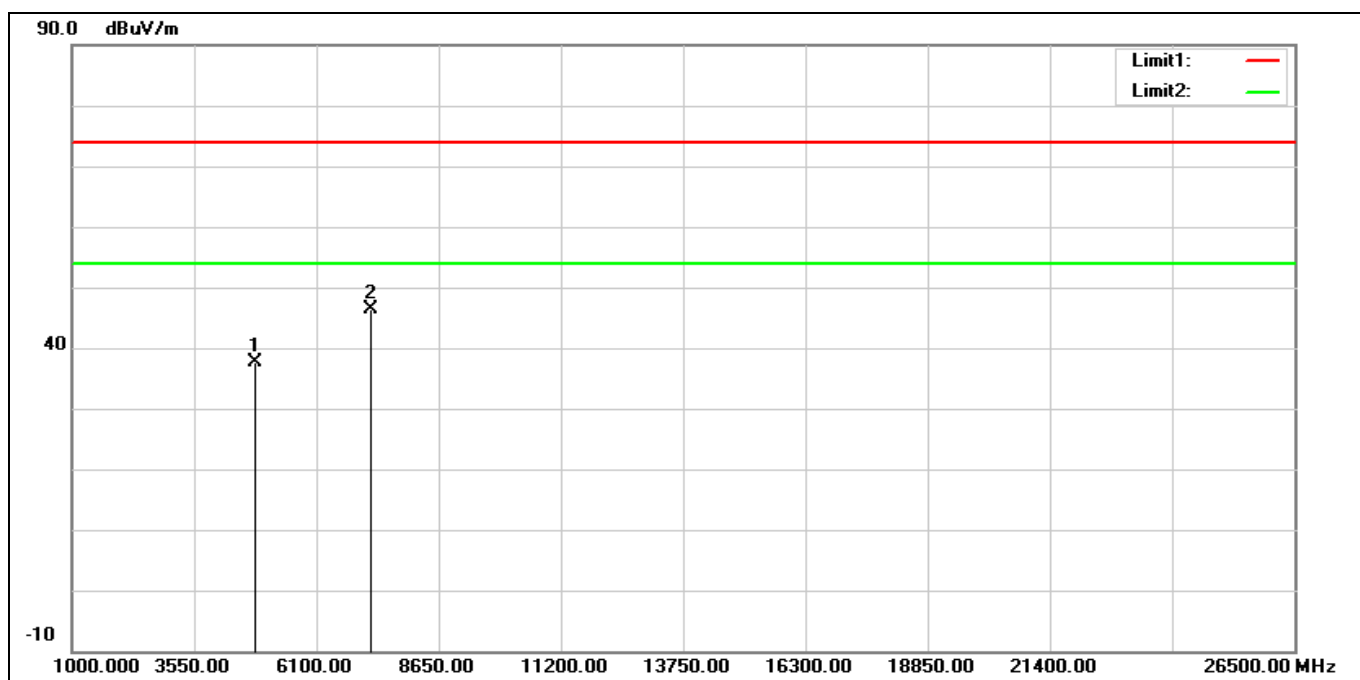
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	40.90	0.50	41.40	74.00	-32.60	peak
2*	7386.000	37.54	8.11	45.65	74.00	-28.35	peak

Standard: Part 15.247 Test Site: 966 Chamber

Polarization: Horizontal

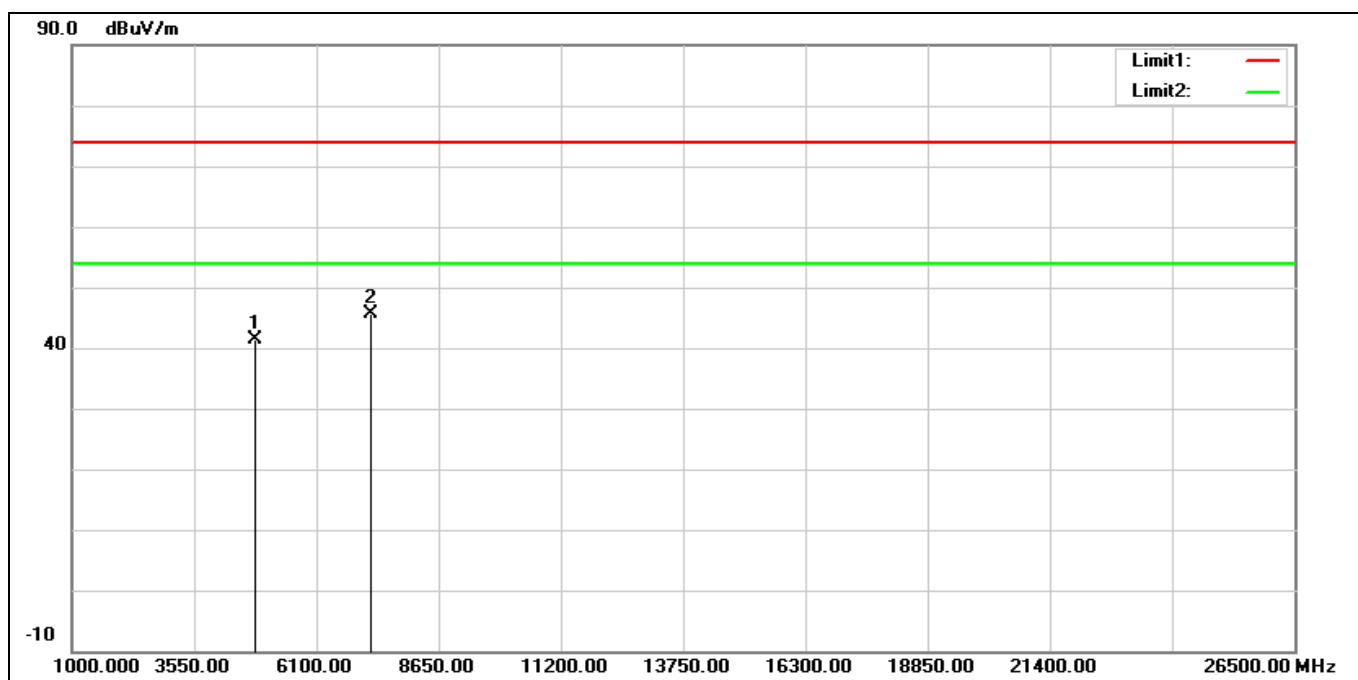
Test Mode: 802.11n HT20 2412 MHz

Remark:



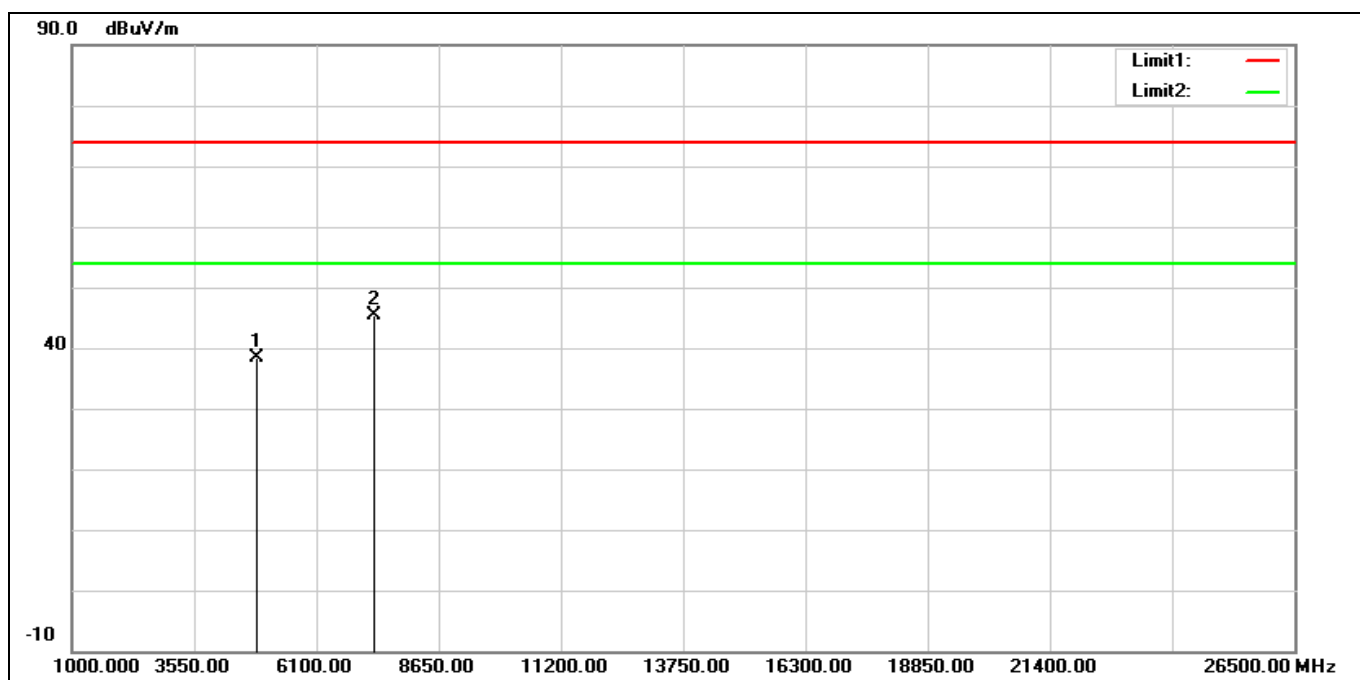
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	37.41	0.28	37.69	74.00	-36.31	peak
2*	7236.000	38.42	7.96	46.38	74.00	-27.62	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2412 MHz		
Remark:			



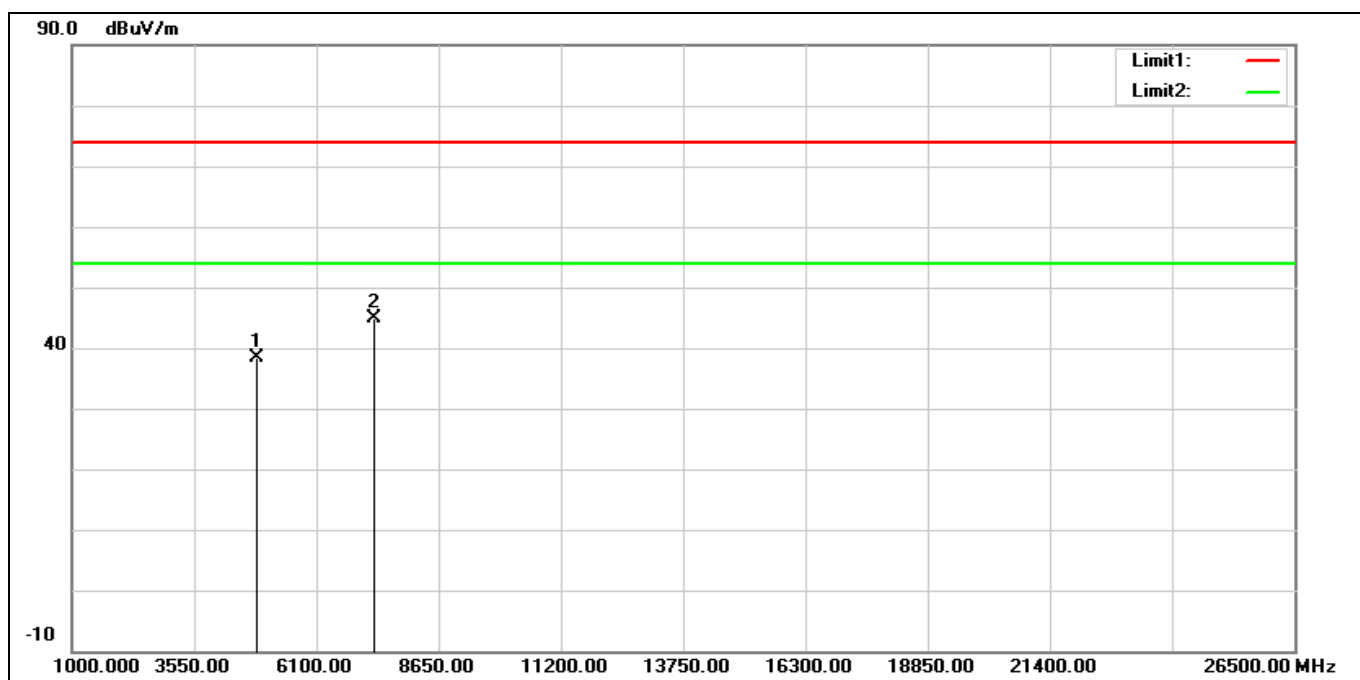
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	41.07	0.28	41.35	74.00	-32.65	peak
2*	7236.000	37.66	7.96	45.62	74.00	-28.38	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2437 MHz		
Remark:			



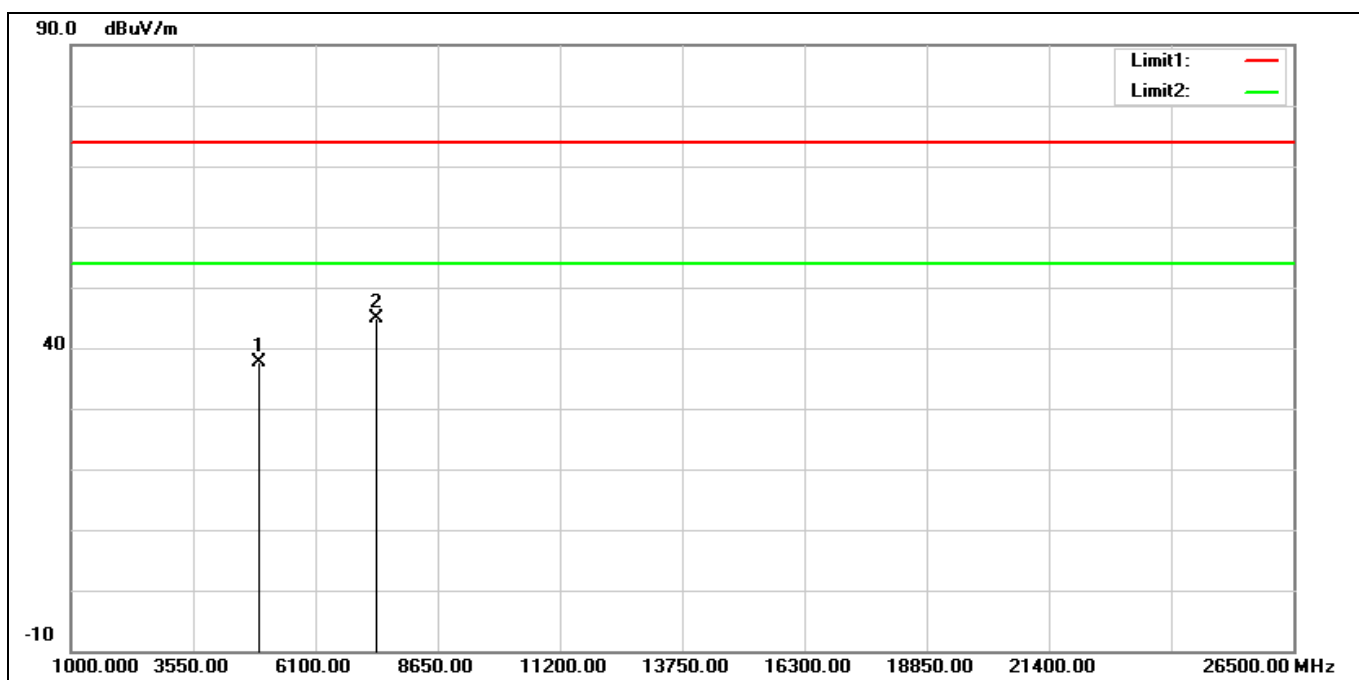
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	37.95	0.36	38.31	74.00	-35.69	peak
2*	7311.000	37.29	7.98	45.27	74.00	-28.73	peak

Standard: Part 15.247 Test Site: 966 Chamber
Polarization: Vertical
Test Mode: 802.11n HT20 2437 MHz
Remark:



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	38.07	0.36	38.43	74.00	-35.57	peak
2*	7311.000	36.88	7.98	44.86	74.00	-29.14	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2462 MHz		
Remark:			



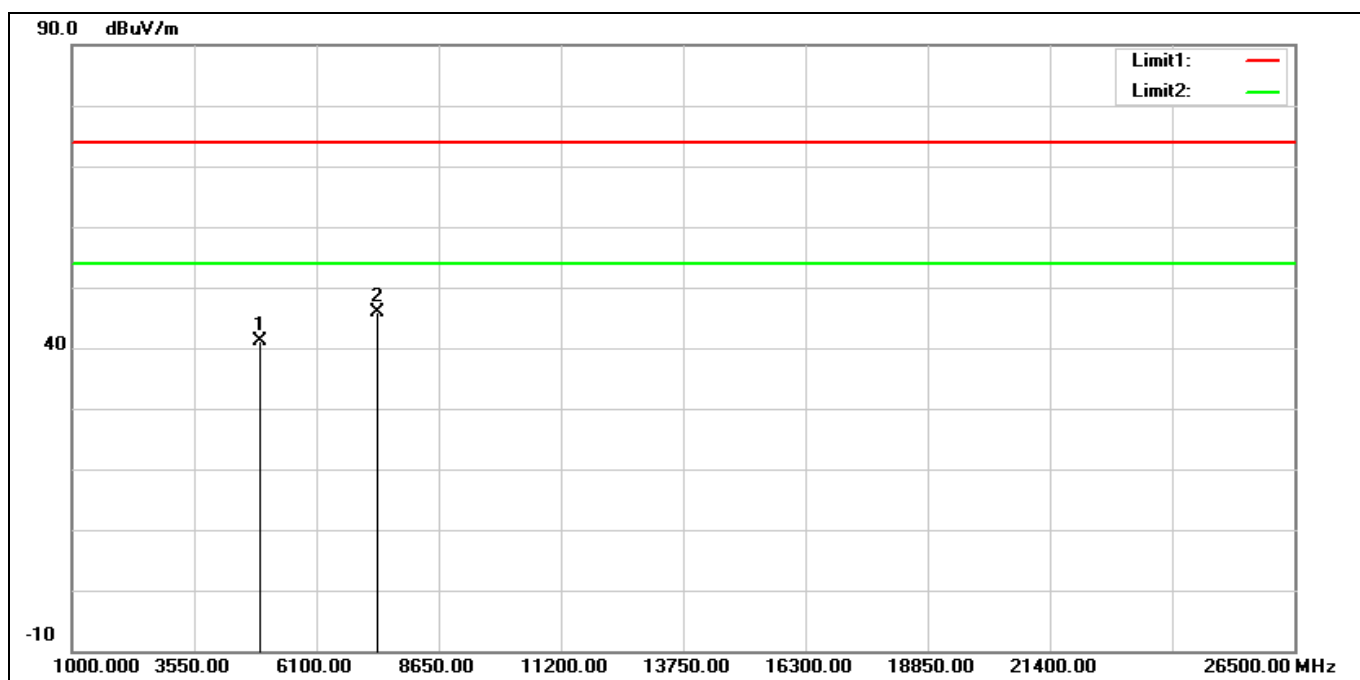
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	37.06	0.50	37.56	74.00	-36.44	peak
2*	7386.000	36.77	8.11	44.88	74.00	-29.12	peak

Standard: Part 15.247 Test Site: 966 Chamber

Polarization: Vertical

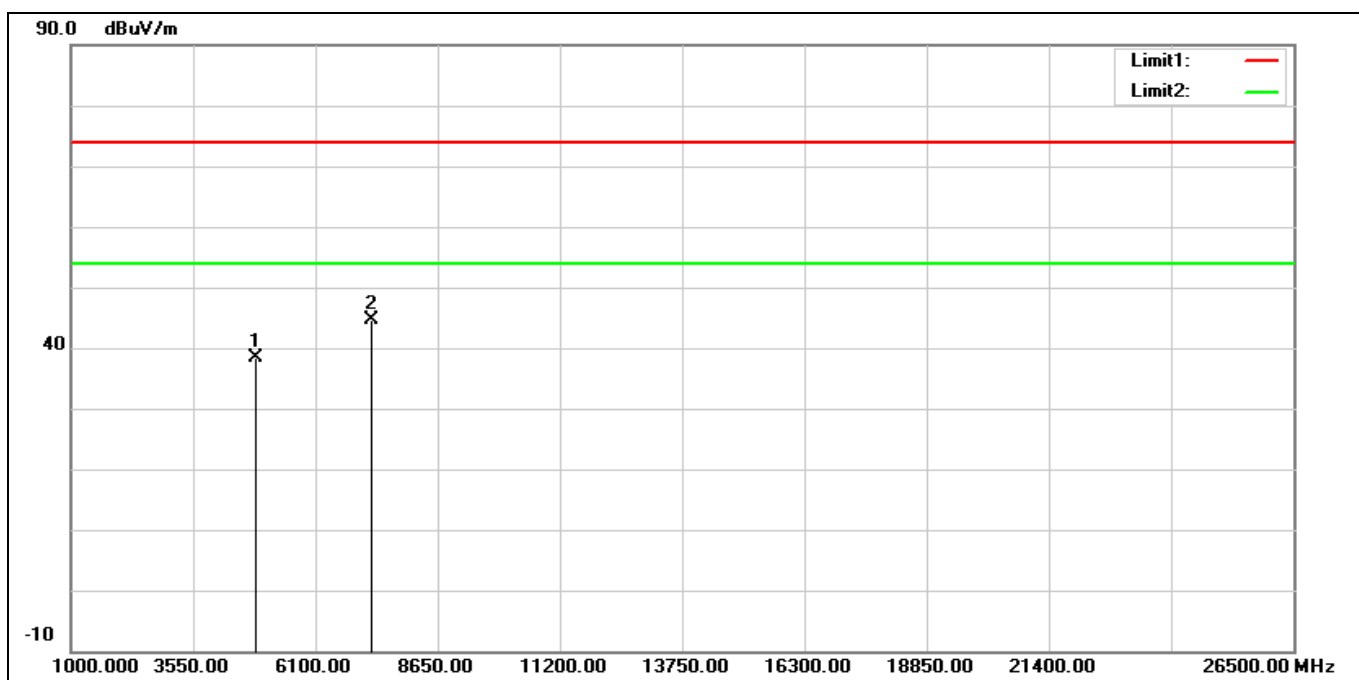
Test Mode: 802.11n HT20 2462 MHz

Remark:



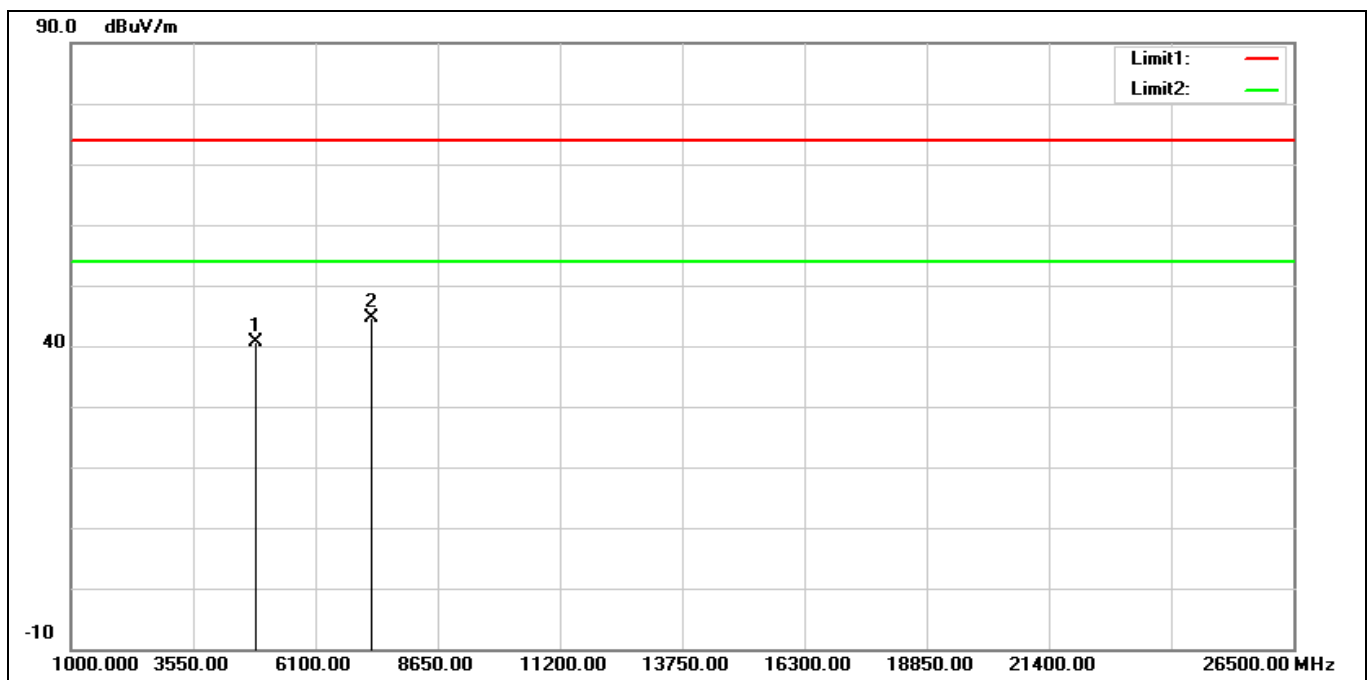
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	40.69	0.50	41.19	74.00	-32.81	peak
2*	7386.000	37.68	8.11	45.79	74.00	-28.21	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT40 2422 MHz		
Remark:			



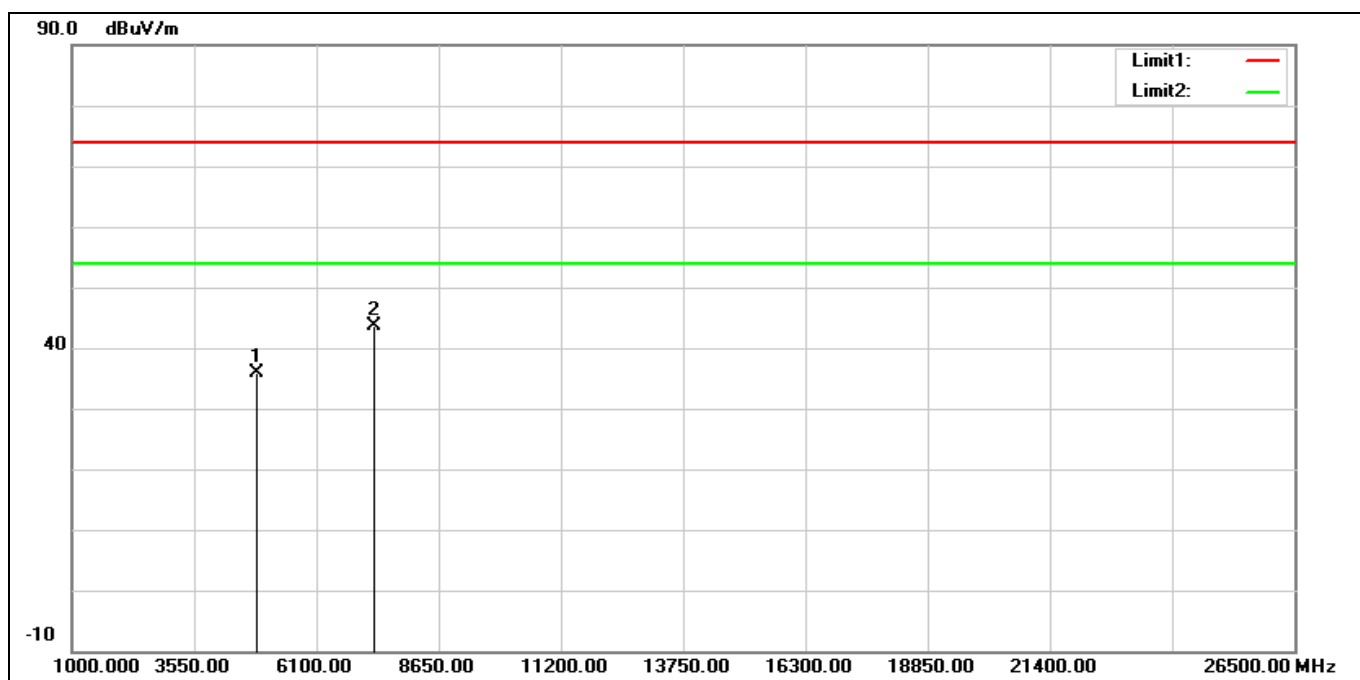
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4844.000	38.09	0.28	38.37	74.00	-35.63	peak
2*	7266.000	36.72	8.02	44.74	74.00	-29.26	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT40 2422 MHz		
Remark:			



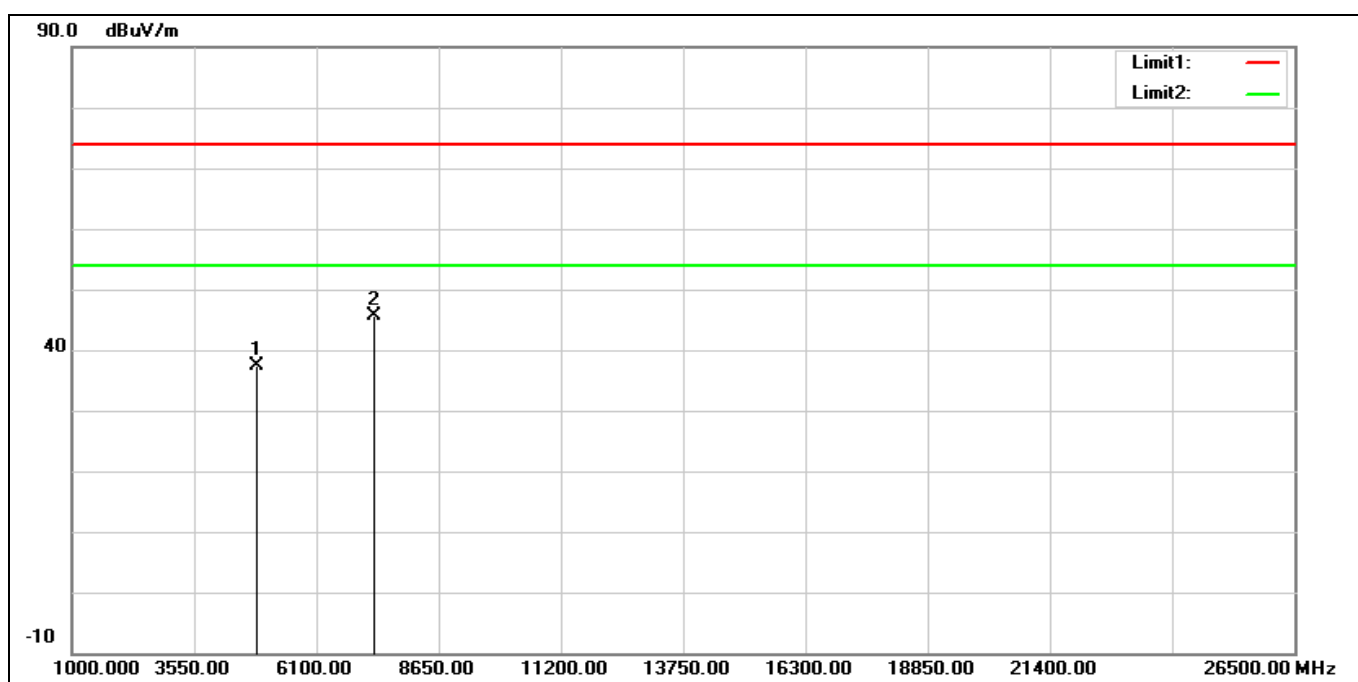
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4844.000	40.41	0.28	40.69	74.00	-33.31	peak
2*	7266.000	36.61	8.02	44.63	74.00	-29.37	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT40 2437 MHz		
Remark:			



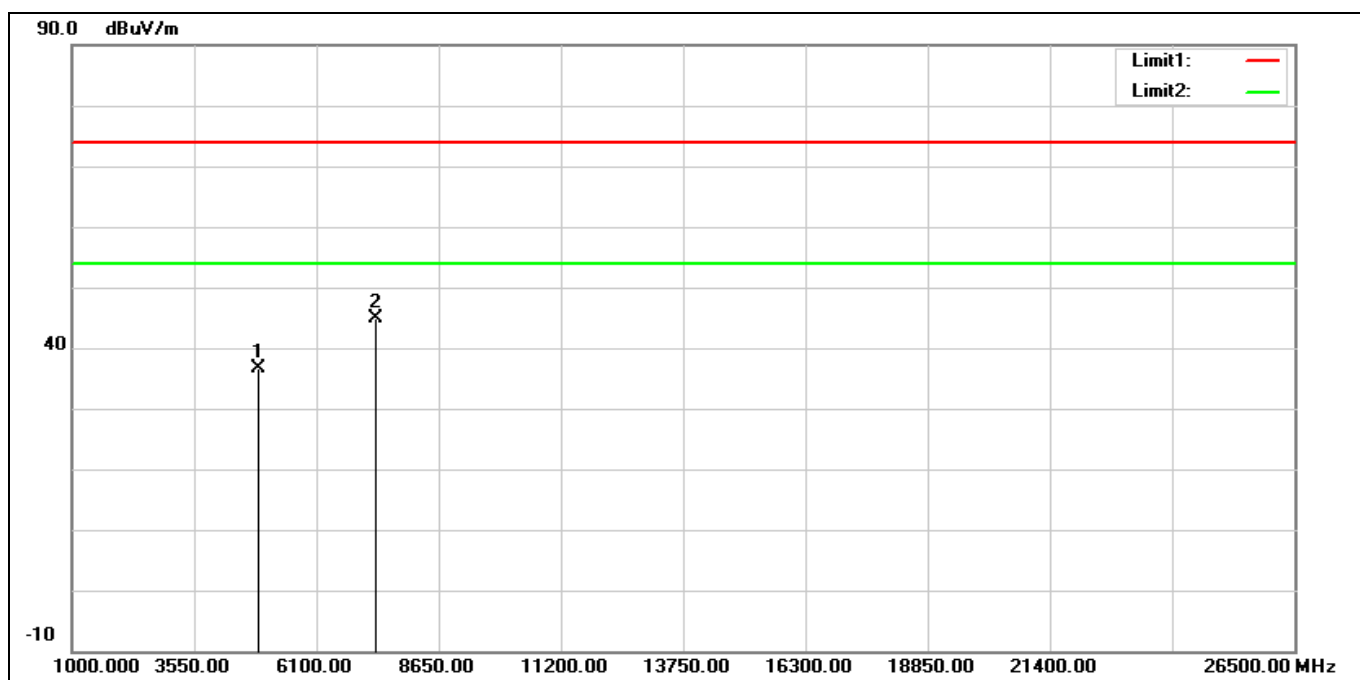
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	35.58	0.36	35.94	74.00	-38.06	peak
2*	7311.000	35.58	7.98	43.56	74.00	-30.44	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT40 2437 MHz		
Remark:			



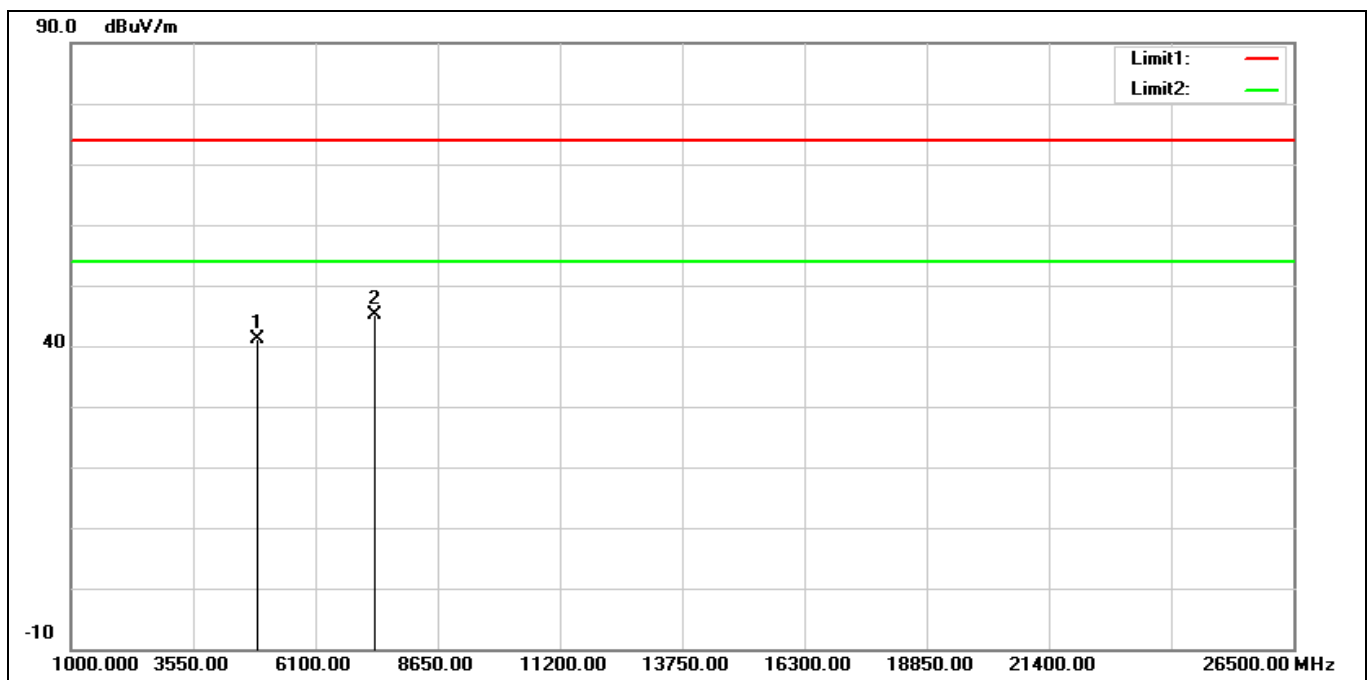
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	37.08	0.36	37.44	74.00	-36.56	peak
2*	7311.000	37.72	7.98	45.70	74.00	-28.30	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT40 2452 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4904.000	36.21	0.46	36.67	74.00	-37.33	peak
2*	7356.000	36.89	8.02	44.91	74.00	-29.09	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT40 2452 MHz		
Remark:			

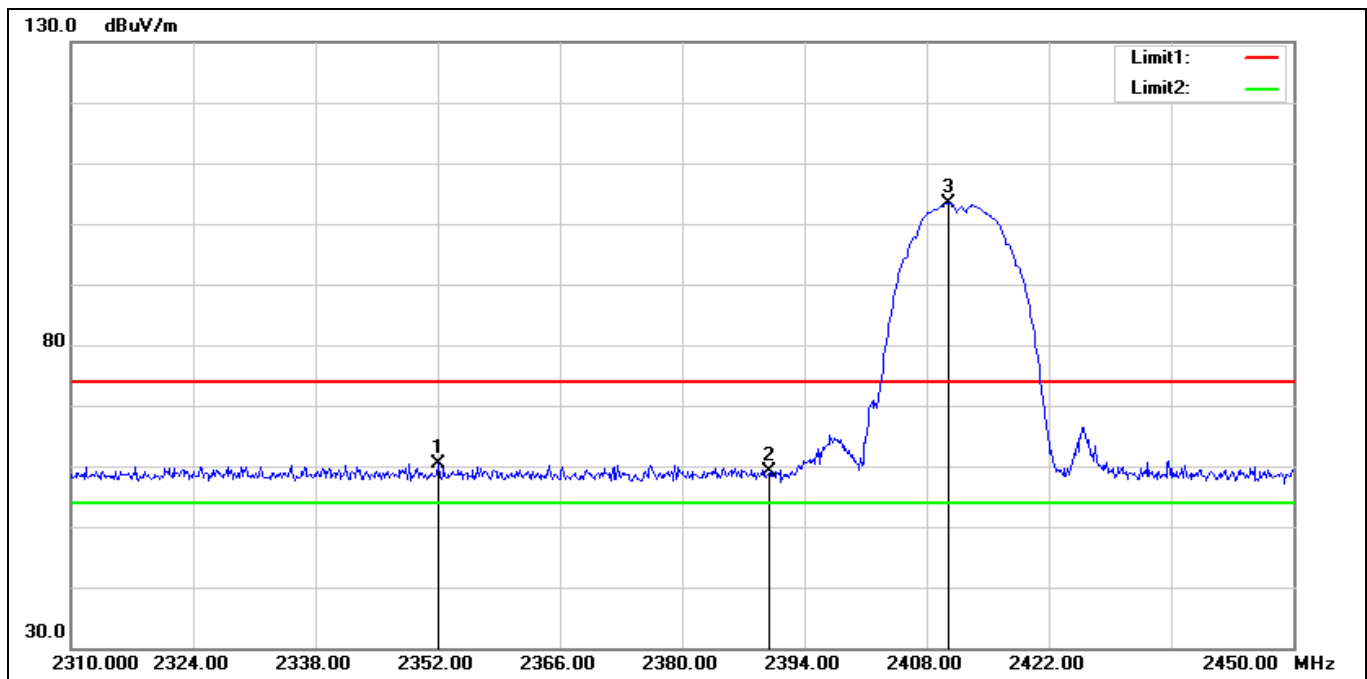


No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4904.000	40.73	0.46	41.19	74.00	-32.81	peak
2*	7356.000	37.11	8.02	45.13	74.00	-28.87	peak

Band Edge

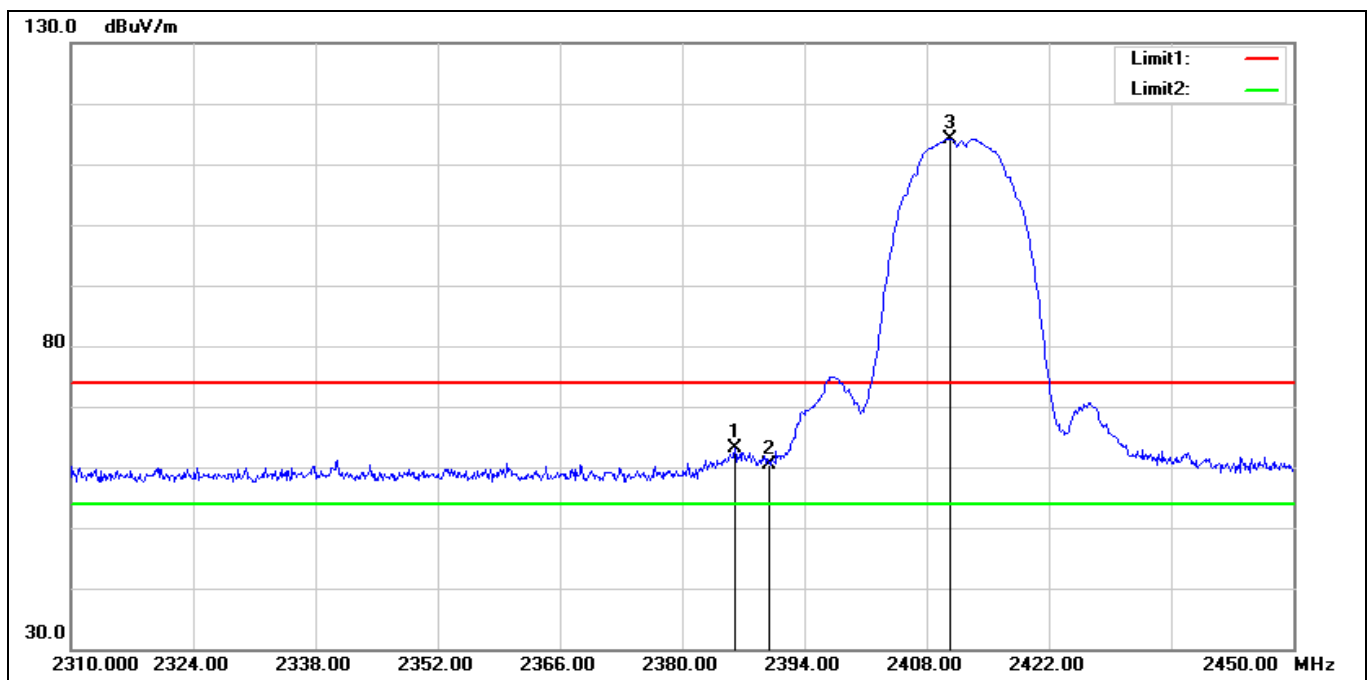
Peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11b 2412 MHz		
Remark:			



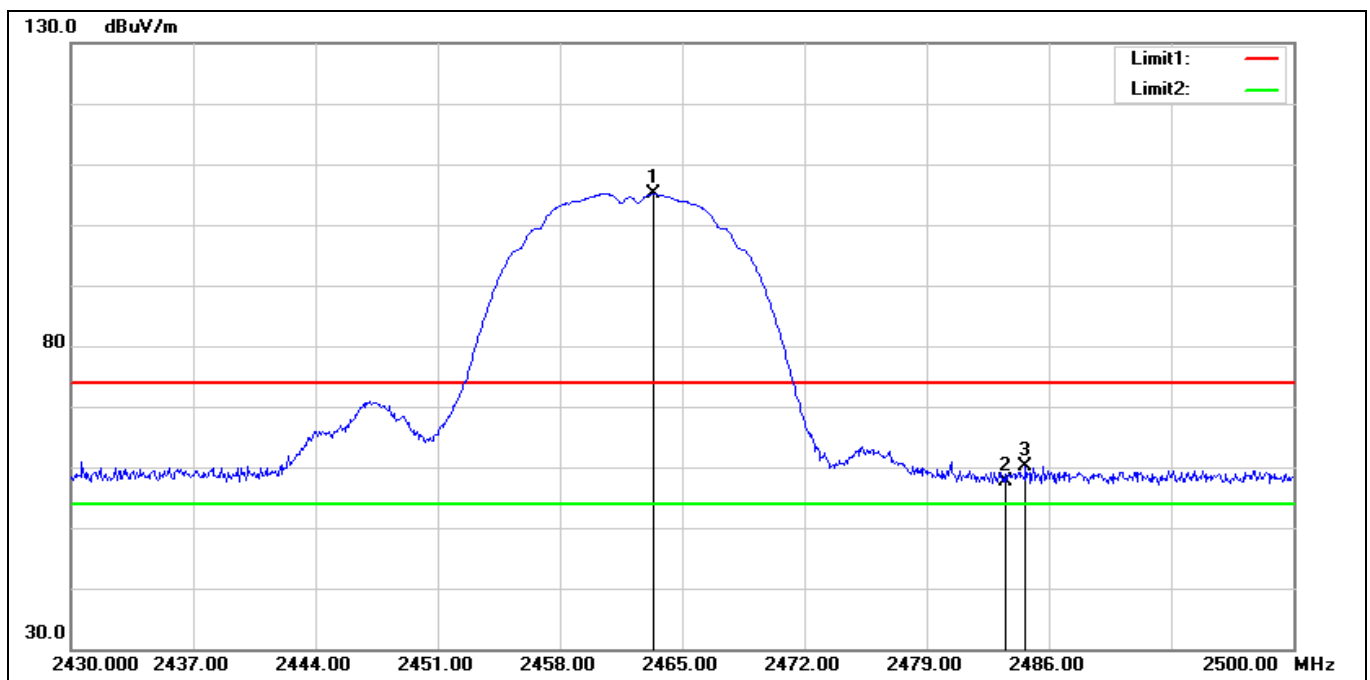
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2352.000	66.51	-6.01	60.50	74.00	-13.50	peak
2	2390.000	65.44	-6.19	59.25	74.00	-14.75	peak
3*	2410.520	109.68	-6.26	103.42	74.00	29.42	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11b 2412 MHz		
Remark:			



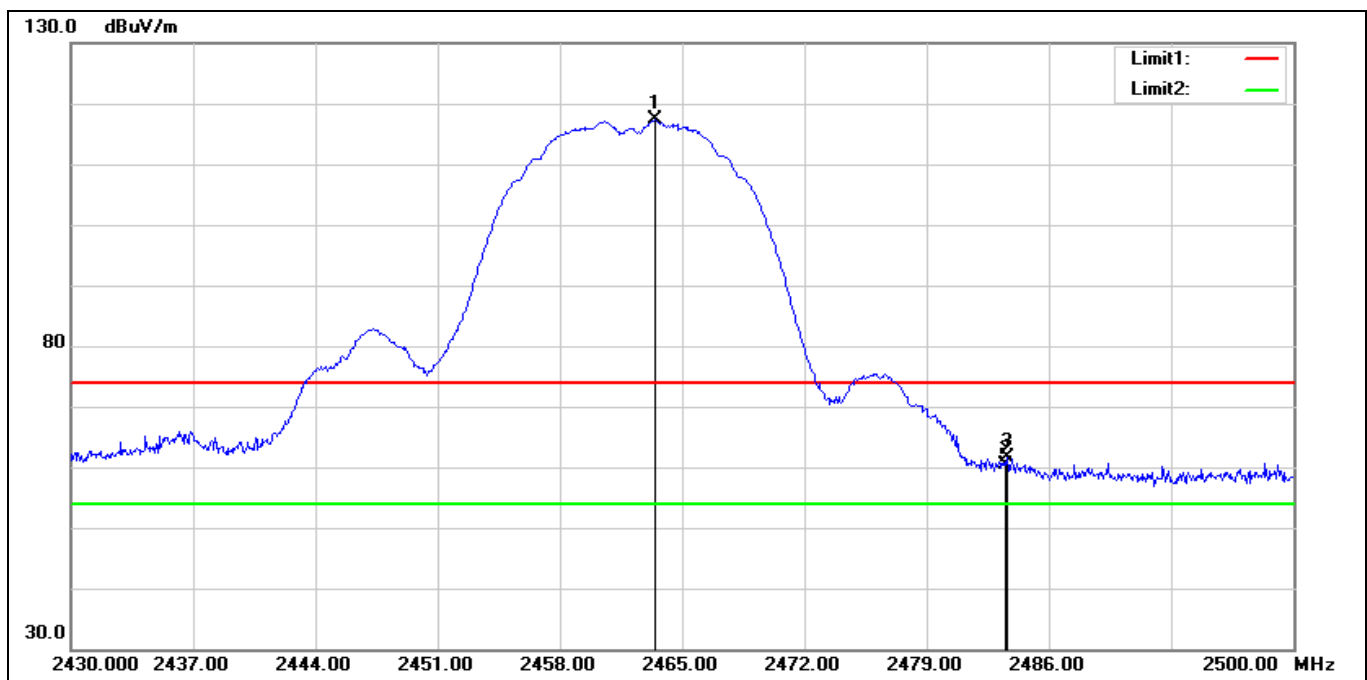
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2386.020	69.33	-6.17	63.16	74.00	-10.84	peak
2	2390.000	66.59	-6.19	60.40	74.00	-13.60	peak
3*	2410.660	120.51	-6.26	114.25	74.00	40.25	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11b 2462 MHz		
Remark:			



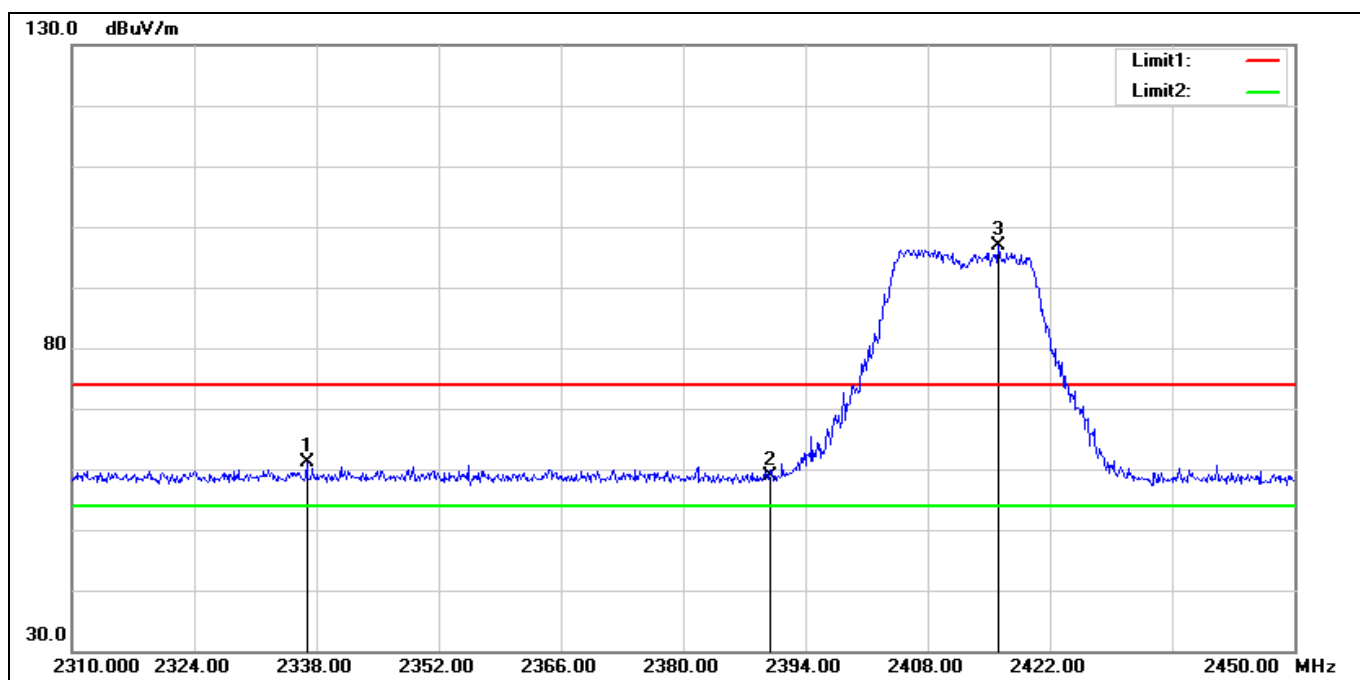
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2463.320	111.50	-6.41	105.09	74.00	31.09	peak
2	2483.500	64.21	-6.46	57.75	74.00	-16.25	peak
3	2484.670	66.64	-6.47	60.17	74.00	-13.83	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11b 2462 MHz		
Remark:			



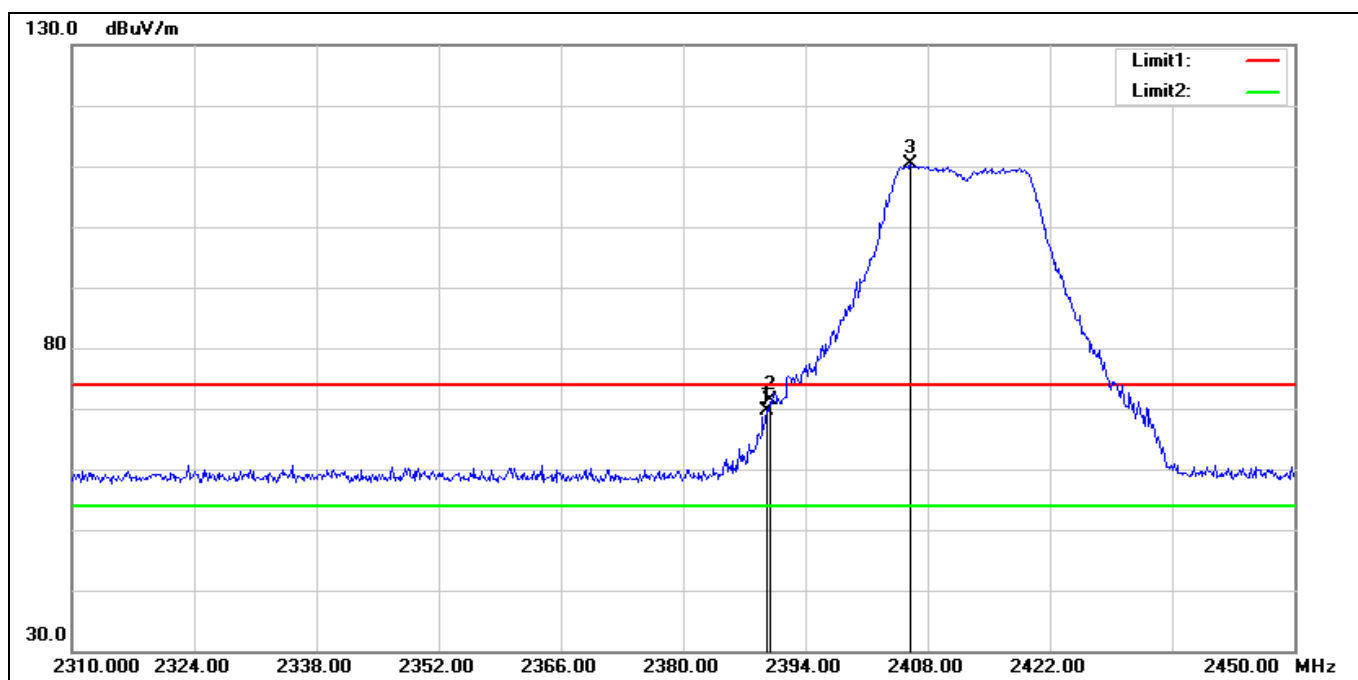
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2463.460	123.88	-6.41	117.47	74.00	43.47	peak
2	2483.500	66.84	-6.46	60.38	74.00	-13.62	peak
3	2483.620	67.98	-6.46	61.52	74.00	-12.48	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2412 MHz		
Remark:			



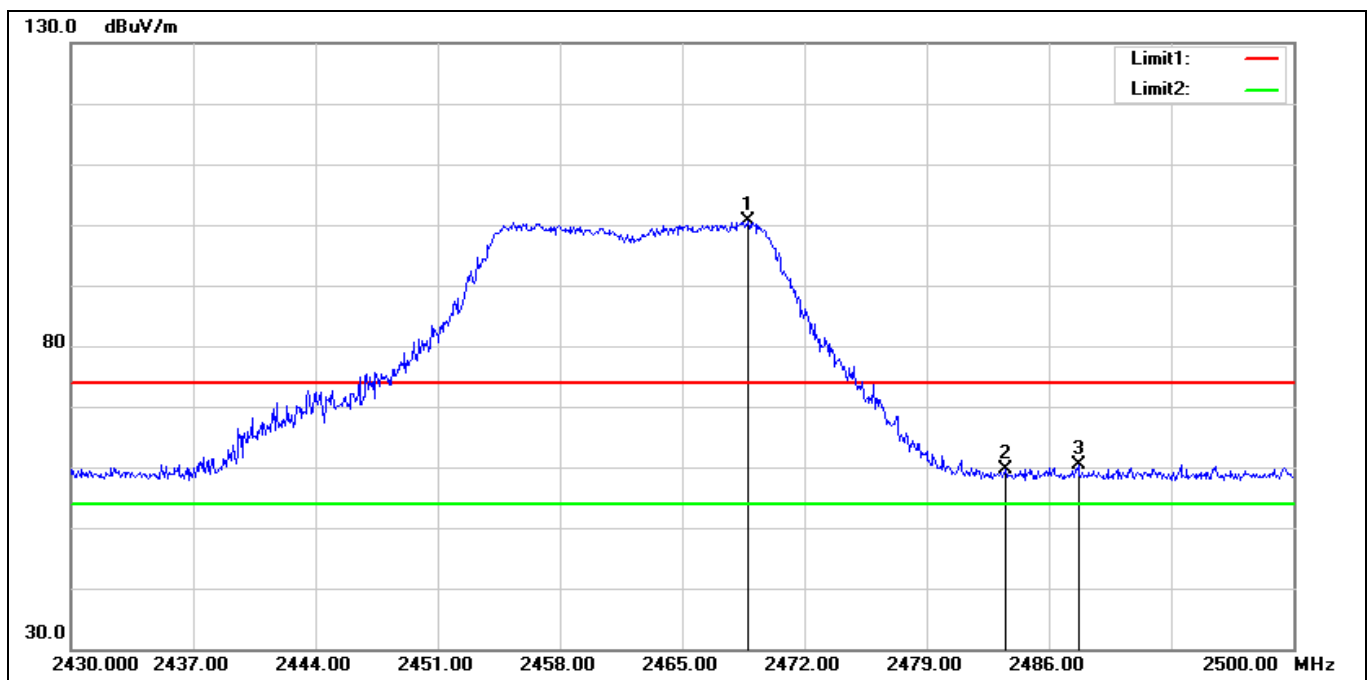
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2336.880	67.11	-6.04	61.07	74.00	-12.93	peak
2	2390.000	64.97	-6.19	58.78	74.00	-15.22	peak
3*	2416.120	103.24	-6.27	96.97	74.00	22.97	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2412 MHz		
Remark:			



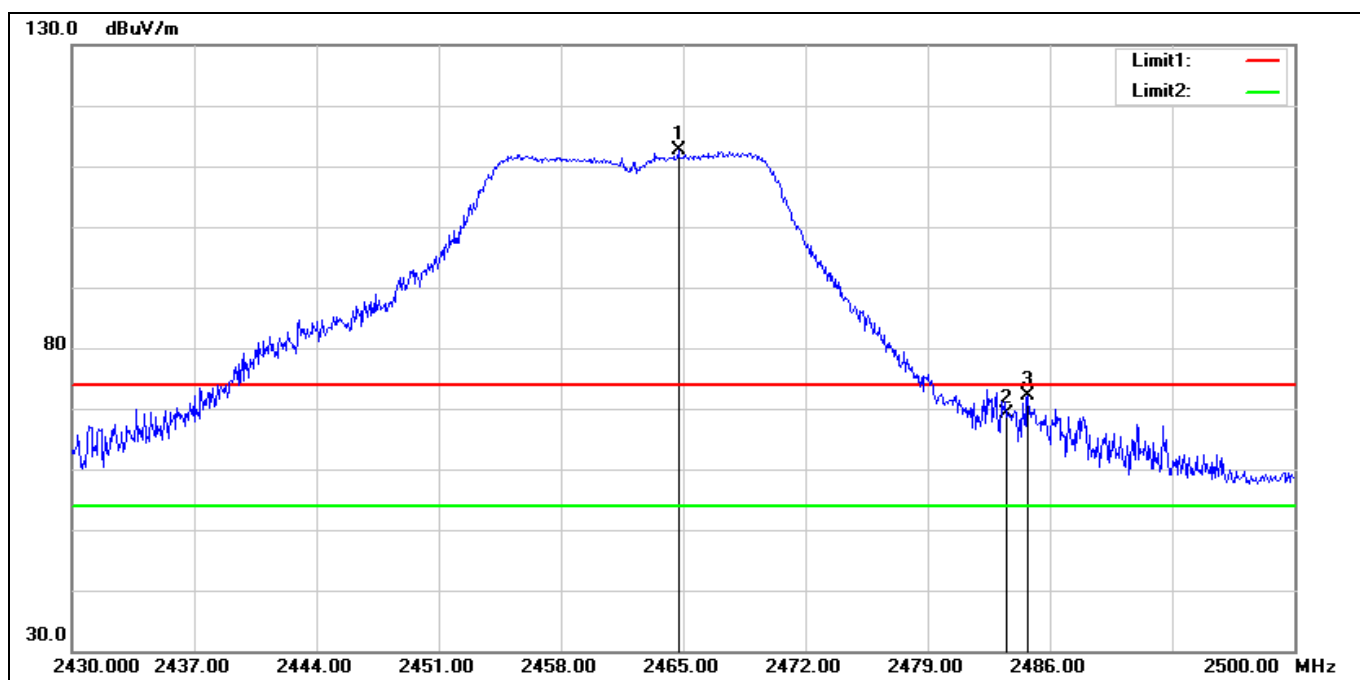
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.520	75.88	-6.19	69.69	74.00	-4.31	peak
2	2390.000	77.63	-6.19	71.44	74.00	-2.56	peak
3*	2406.040	116.53	-6.24	110.29	74.00	36.29	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2462 MHz		
Remark:			



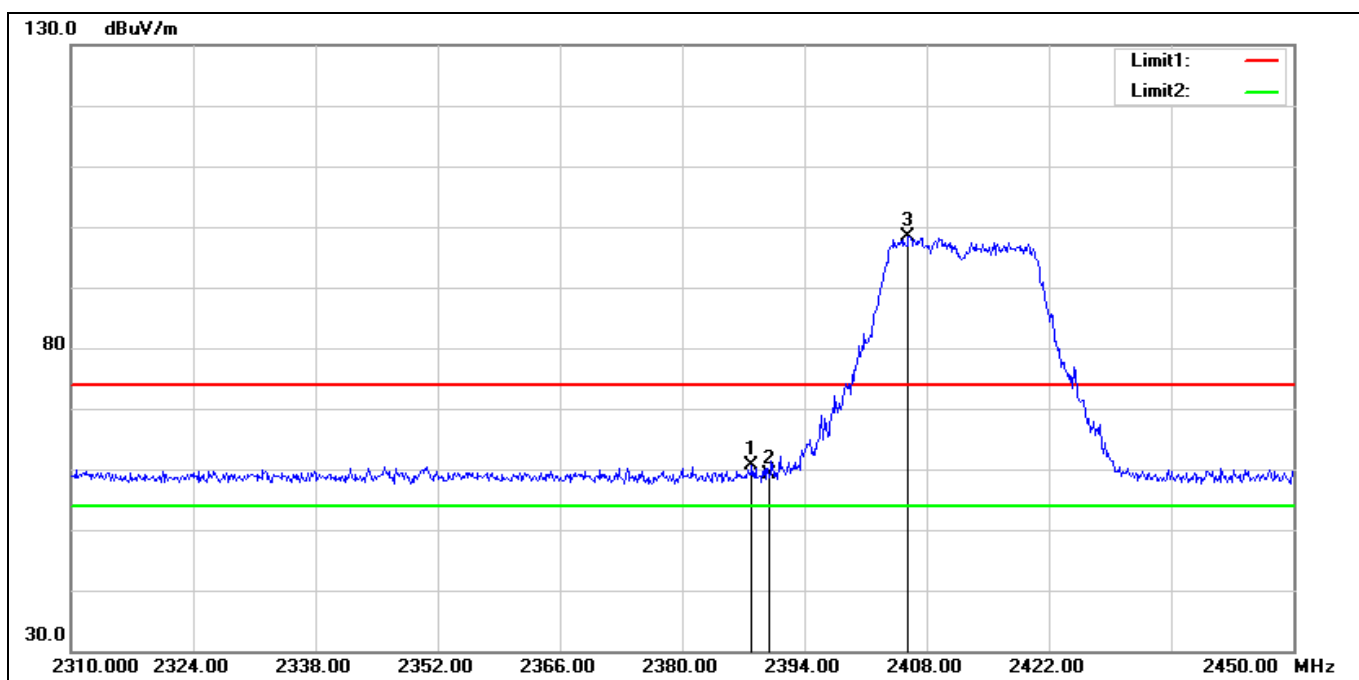
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2468.780	106.99	-6.43	100.56	74.00	26.56	peak
2	2483.500	65.98	-6.46	59.52	74.00	-14.48	peak
3	2487.680	66.77	-6.47	60.30	74.00	-13.70	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2412 MHz		
Remark:			



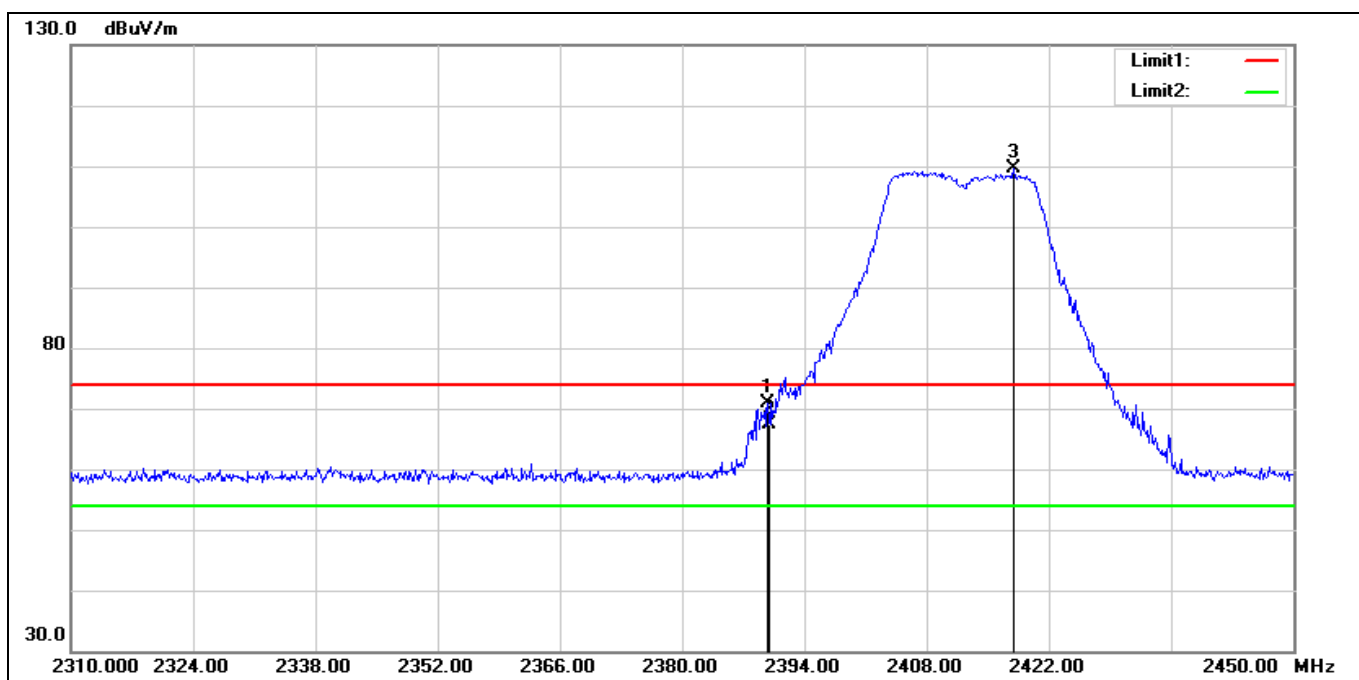
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2464.720	119.07	-6.42	112.65	74.00	38.65	peak
2	2483.500	75.70	-6.46	69.24	74.00	-4.76	peak
3	2484.740	78.71	-6.47	72.24	74.00	-1.76	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2412 MHz		
Remark:			



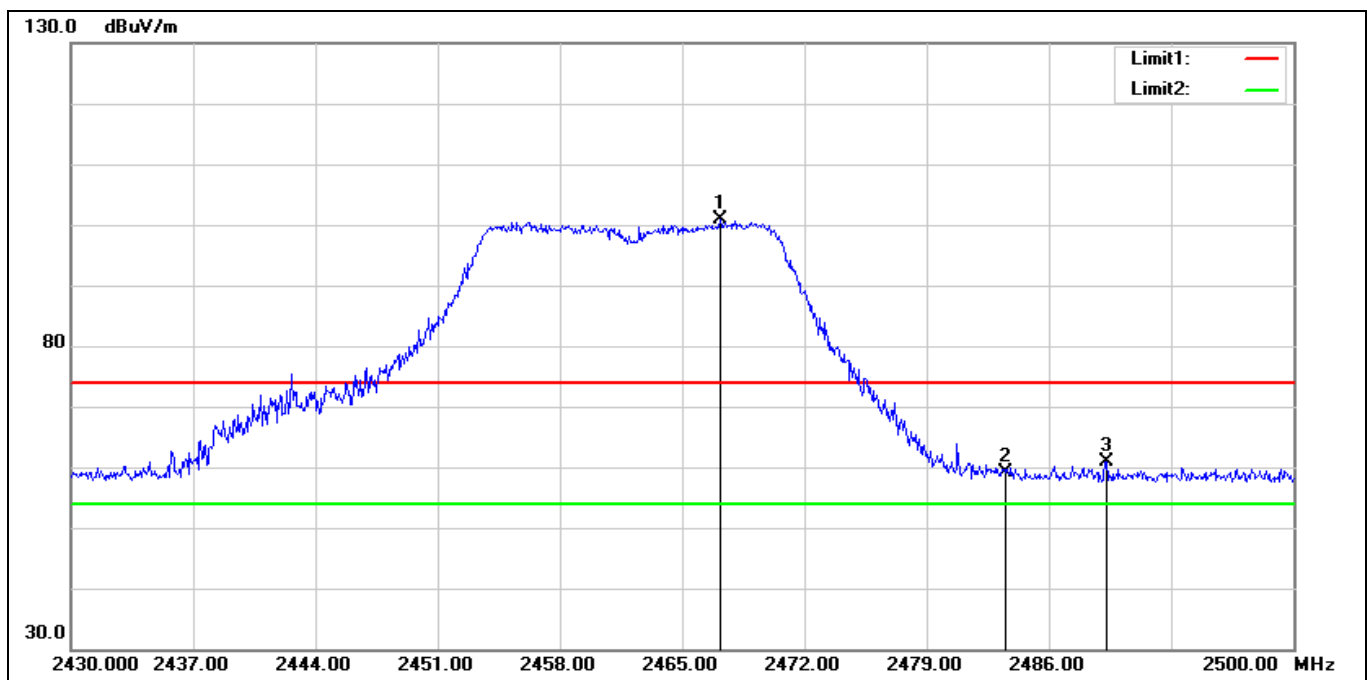
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2387.980	66.70	-6.18	60.52	74.00	-13.48	peak
2	2390.000	65.32	-6.19	59.13	74.00	-14.87	peak
3*	2405.900	104.73	-6.24	98.49	74.00	24.49	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2412 MHz		
Remark:			



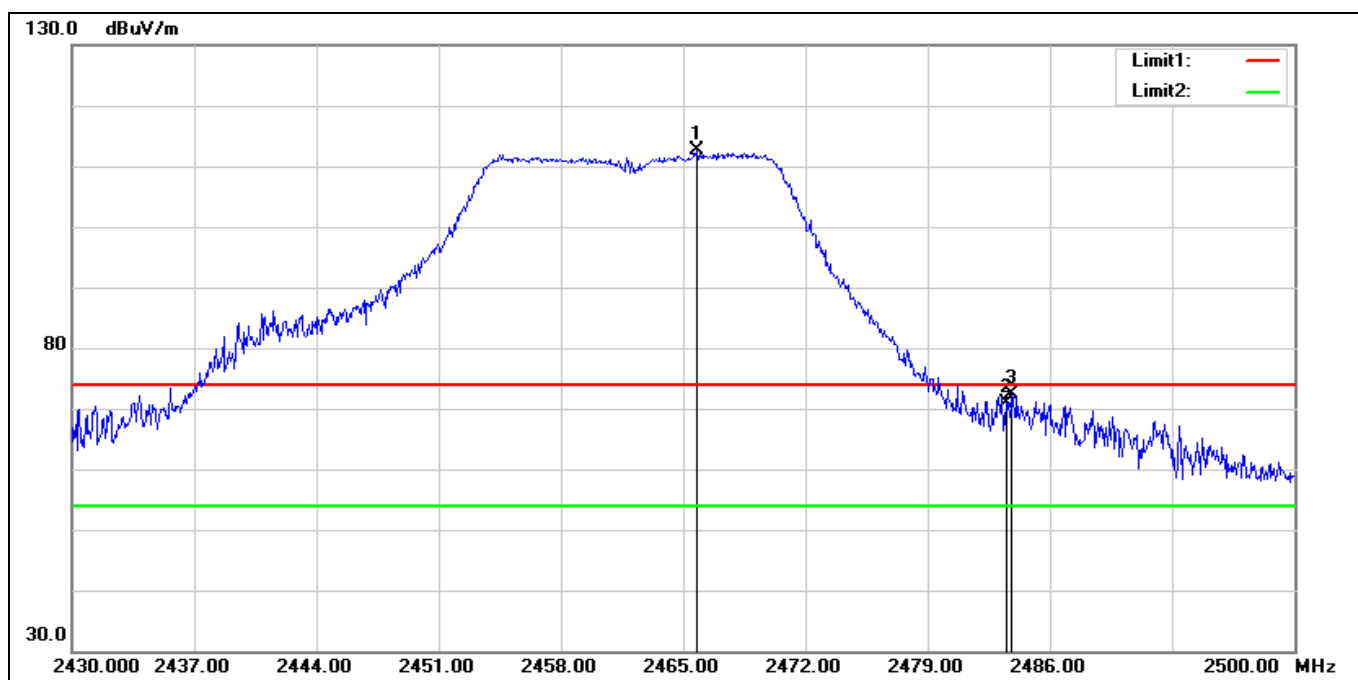
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.800	77.13	-6.19	70.94	74.00	-3.06	peak
2	2390.000	73.65	-6.19	67.46	74.00	-6.54	peak
3*	2417.940	115.91	-6.28	109.63	74.00	35.63	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2462 MHz		
Remark:			



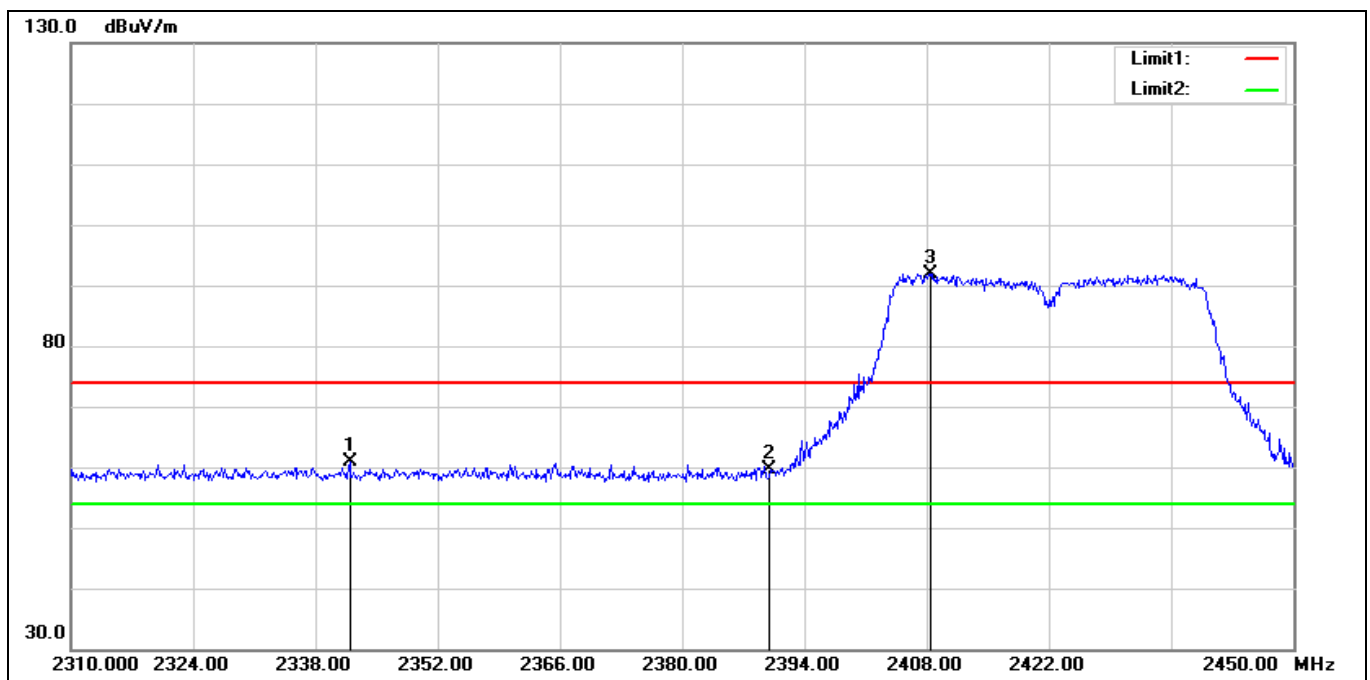
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2467.170	107.20	-6.42	100.78	74.00	26.78	peak
2	2483.500	65.51	-6.46	59.05	74.00	-14.95	peak
3	2489.290	67.44	-6.48	60.96	74.00	-13.04	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2462 MHz		
Remark:			



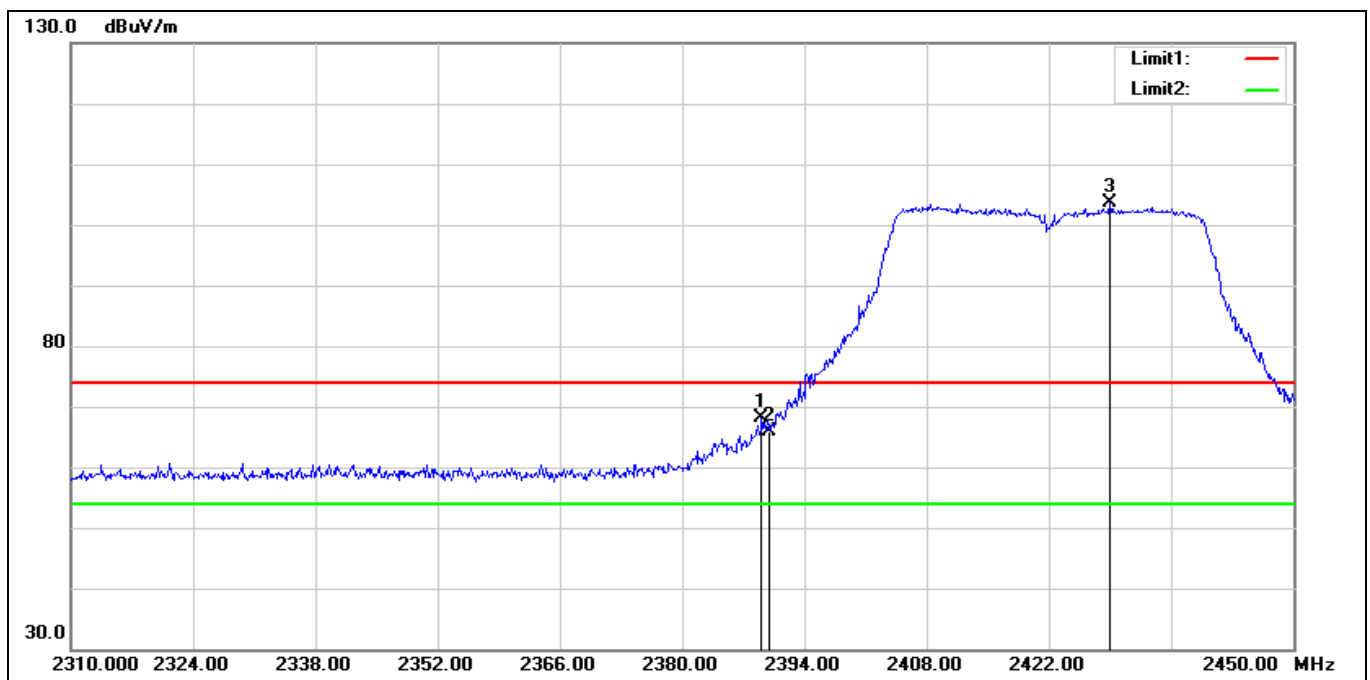
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2465.770	119.13	-6.41	112.72	74.00	38.72	peak
2	2483.500	77.22	-6.46	70.76	74.00	-3.24	peak
3	2483.830	78.73	-6.47	72.26	74.00	-1.74	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT40 2422 MHz		
Remark:			



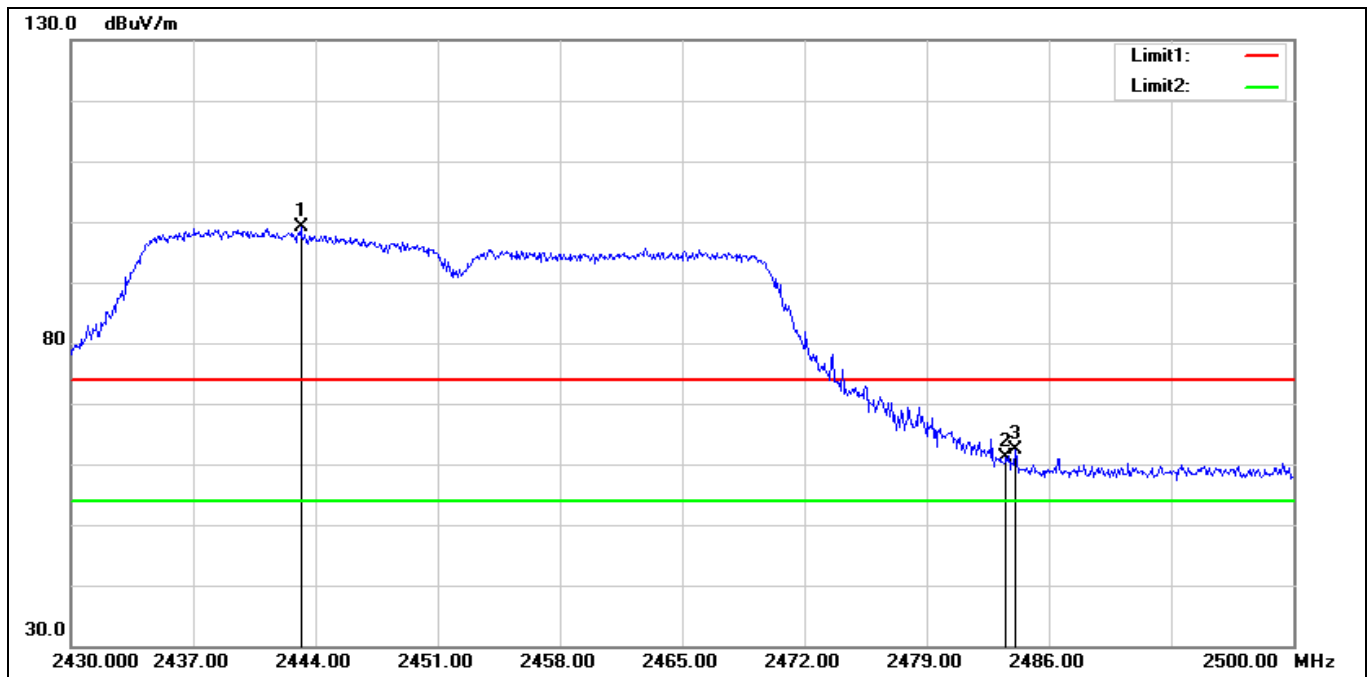
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2341.920	66.80	-6.03	60.77	74.00	-13.23	peak
2	2390.000	65.91	-6.19	59.72	74.00	-14.28	peak
3*	2408.420	98.23	-6.25	91.98	74.00	17.98	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT40 2422 MHz		
Remark:			



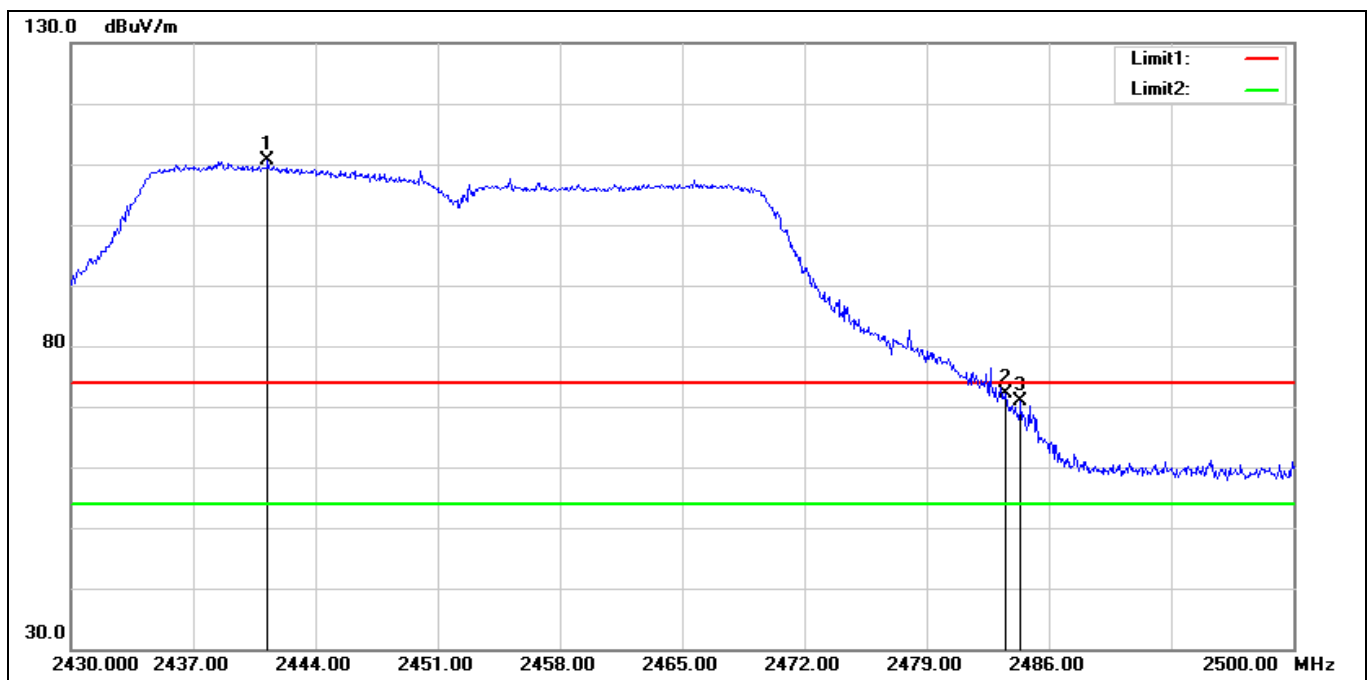
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.100	74.40	-6.18	68.22	74.00	-5.78	peak
2	2390.000	72.19	-6.19	66.00	74.00	-8.00	peak
3*	2429.000	109.90	-6.32	103.58	74.00	29.58	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT40 2452 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2443.160	105.50	-6.35	99.15	74.00	25.15	peak
2	2483.500	67.61	-6.46	61.15	74.00	-12.85	peak
3	2484.110	68.86	-6.47	62.39	74.00	-11.61	peak

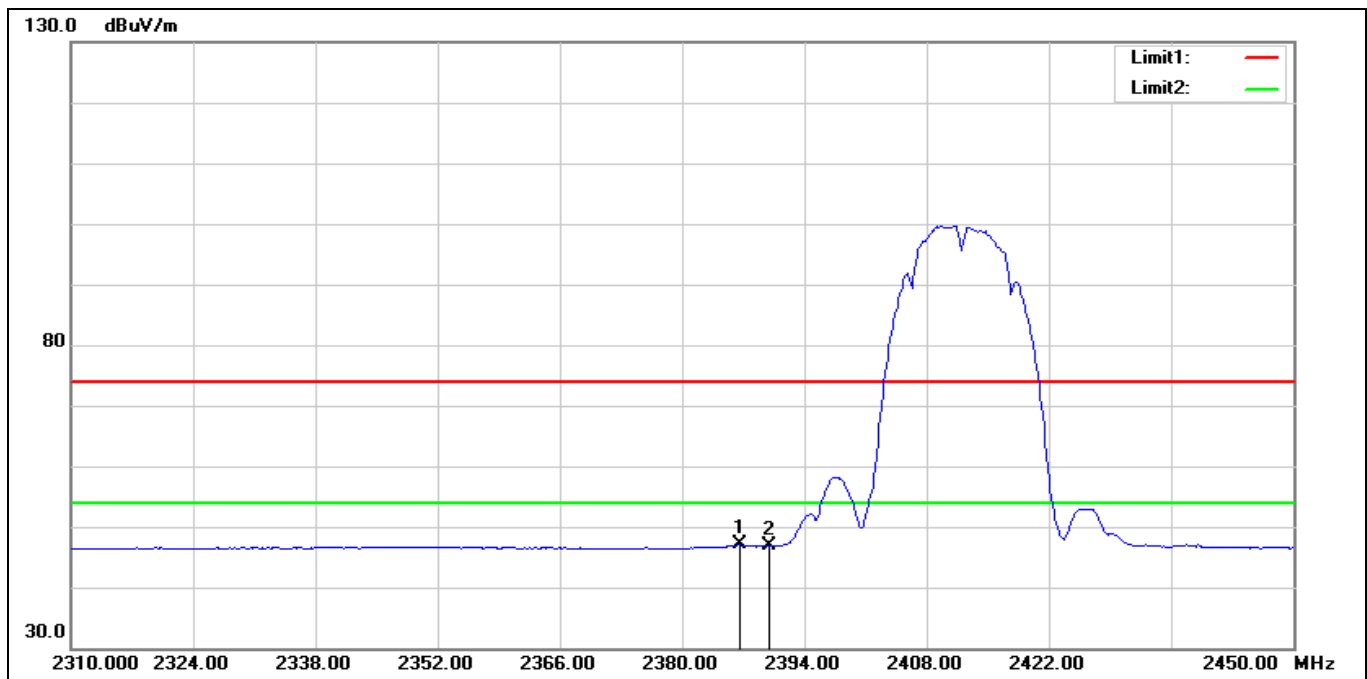
Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT40 2452 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2441.270	117.11	-6.36	110.75	74.00	36.75	peak
2	2483.500	78.49	-6.46	72.03	74.00	-1.97	peak
3	2484.390	77.34	-6.47	70.87	74.00	-3.13	peak

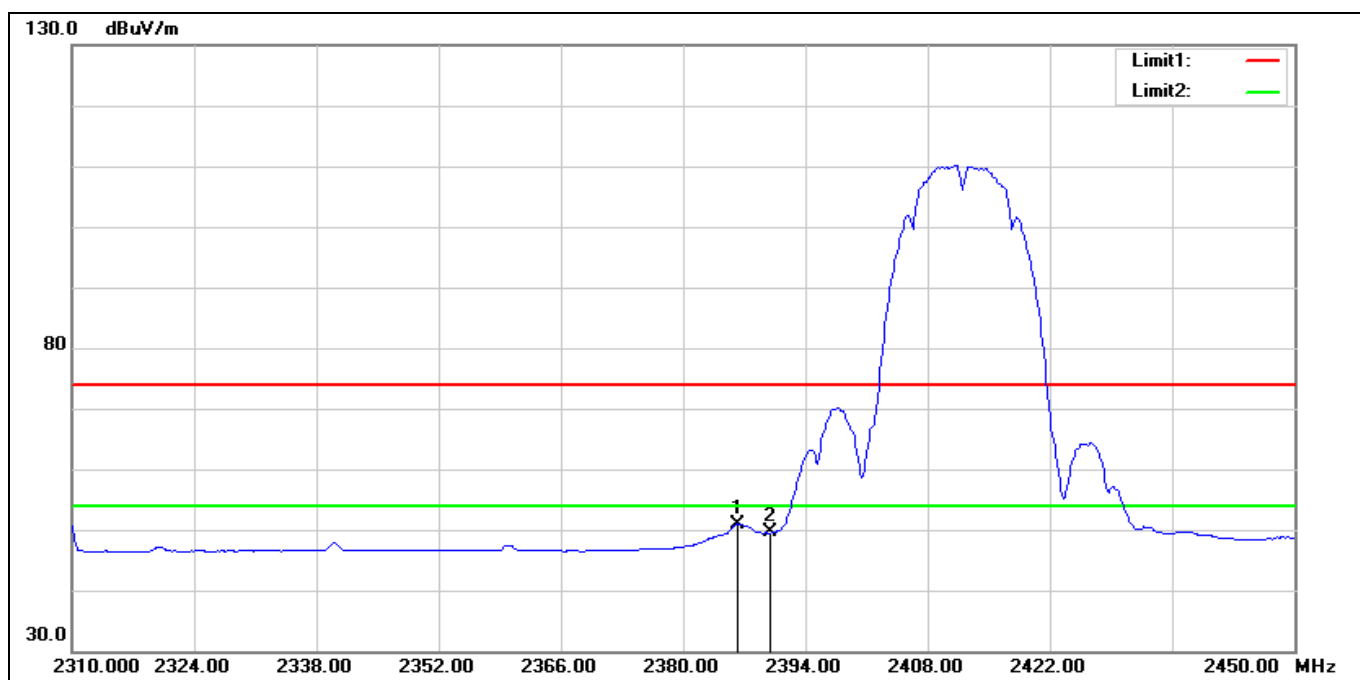
Average

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11b 2412 MHz		
Remark:			



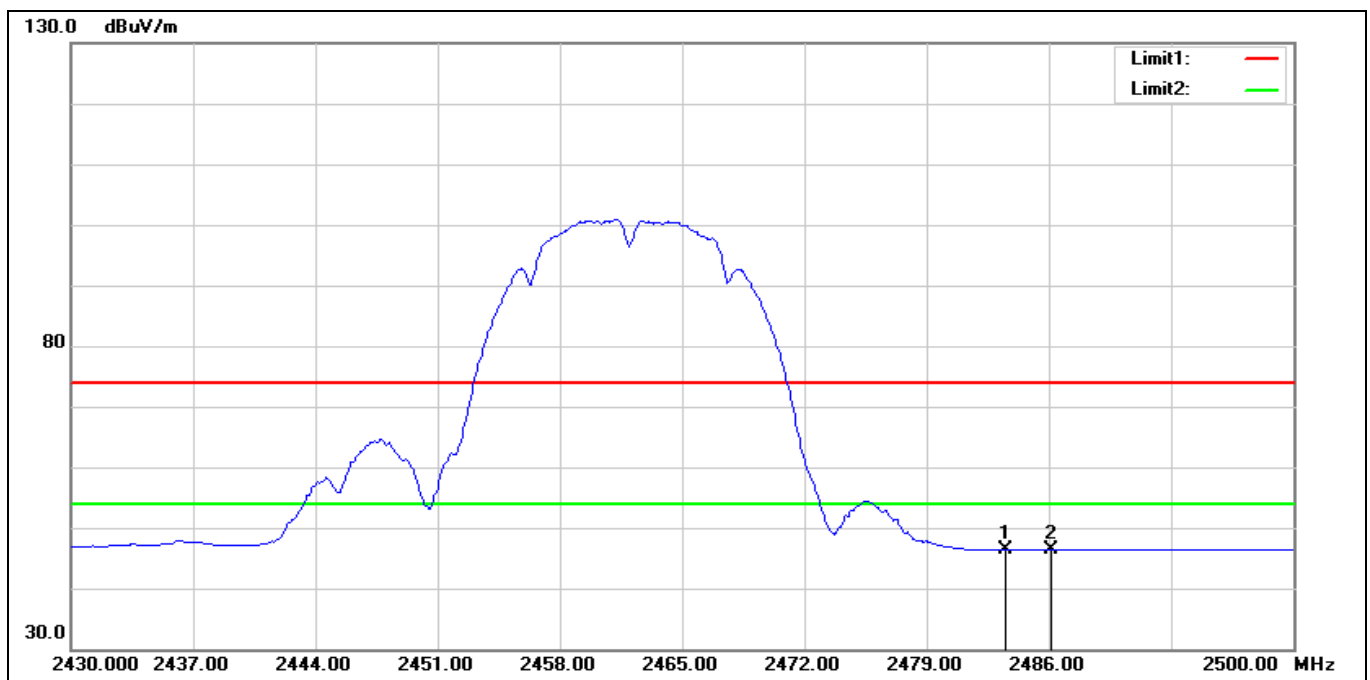
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2386.580	53.19	-6.17	47.02	54.00	-6.98	AVG
2	2390.000	52.97	-6.19	46.78	54.00	-7.22	AVG

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11b 2412 MHz		
Remark:			



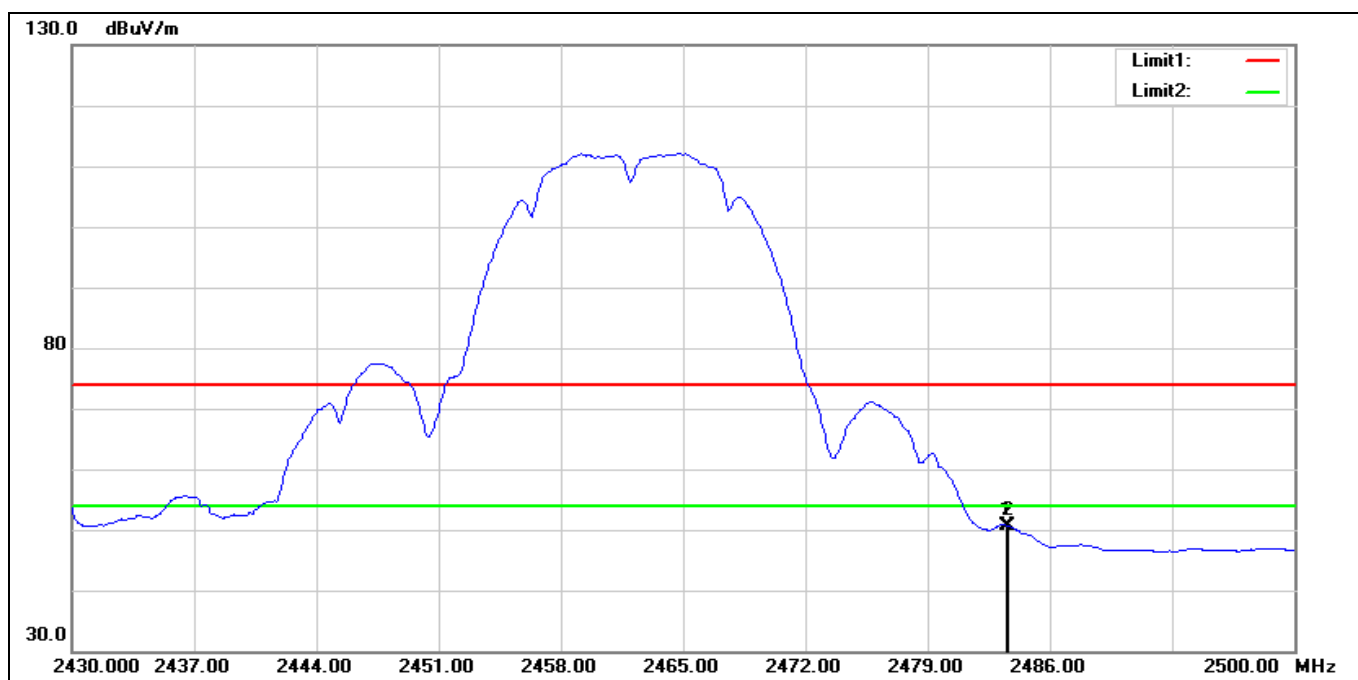
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2386.300	57.14	-6.17	50.97	54.00	-3.03	AVG
2	2390.000	55.74	-6.19	49.55	54.00	-4.45	AVG

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11b 2462 MHz		
Remark:			



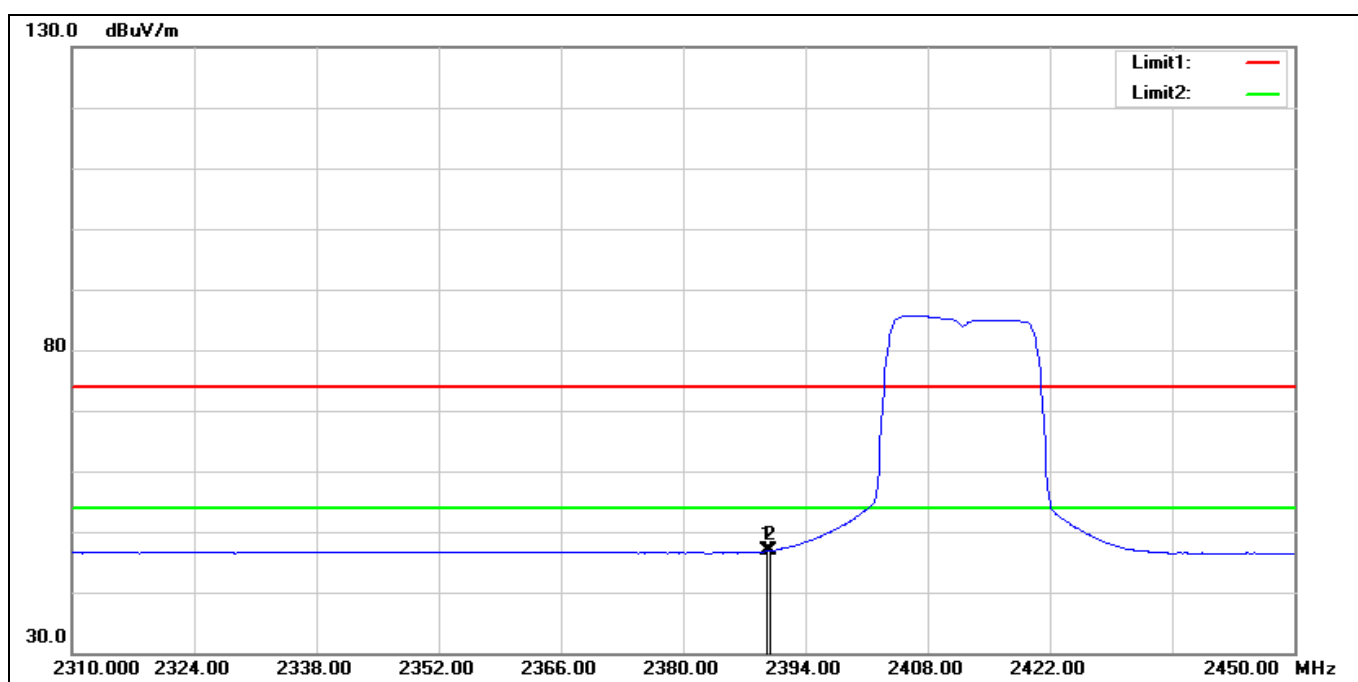
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	52.90	-6.46	46.44	54.00	-7.56	AVG
2*	2486.140	52.91	-6.46	46.45	54.00	-7.55	AVG

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11b 2462 MHz		
Remark:			



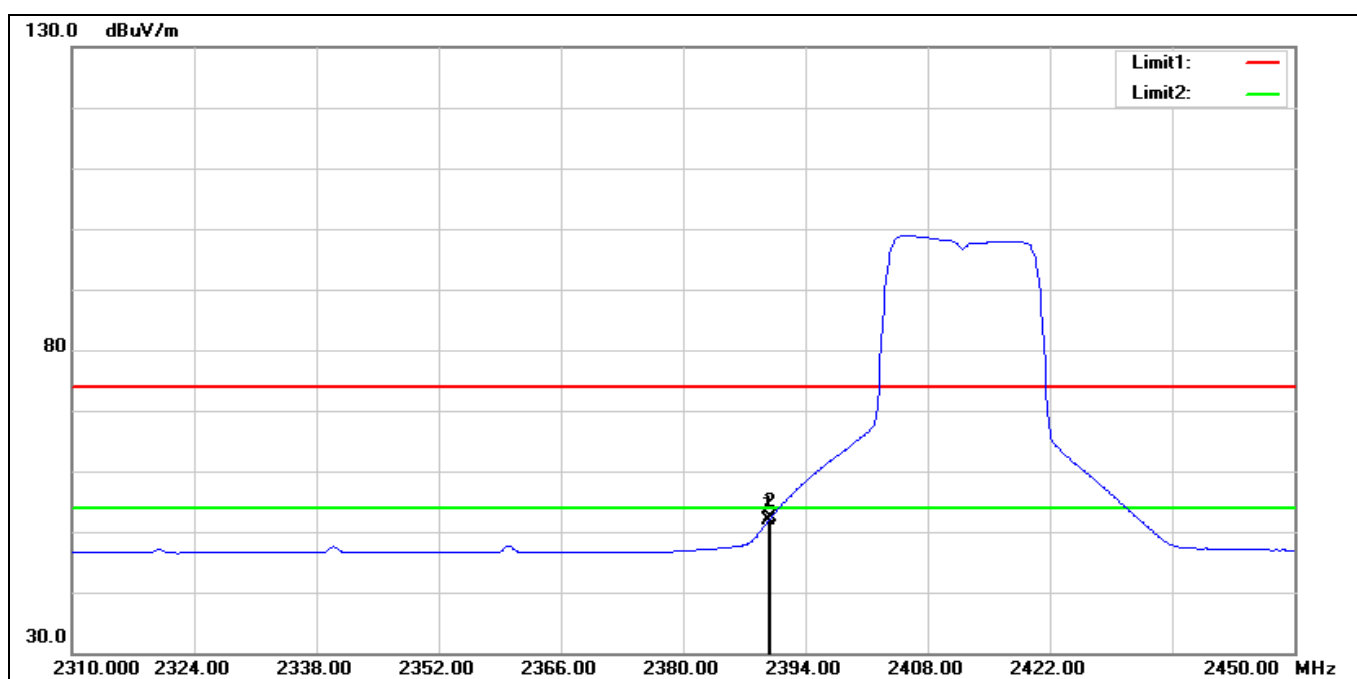
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2483.500	57.11	-6.46	50.65	54.00	-3.35	AVG
2	2483.620	57.02	-6.46	50.56	54.00	-3.44	AVG

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2412 MHz		
Remark:			



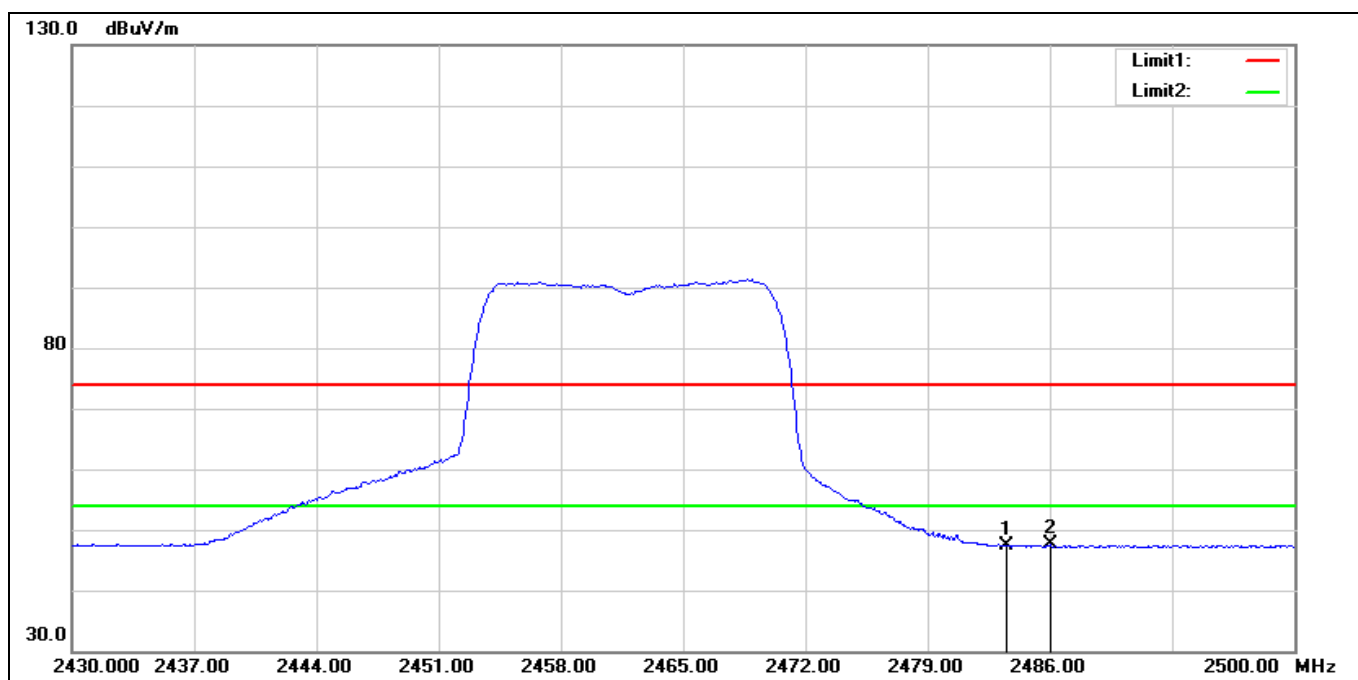
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.660	52.99	-6.19	46.80	54.00	-7.20	AVG
2*	2390.000	53.06	-6.19	46.87	54.00	-7.13	AVG

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2412 MHz		
Remark:			



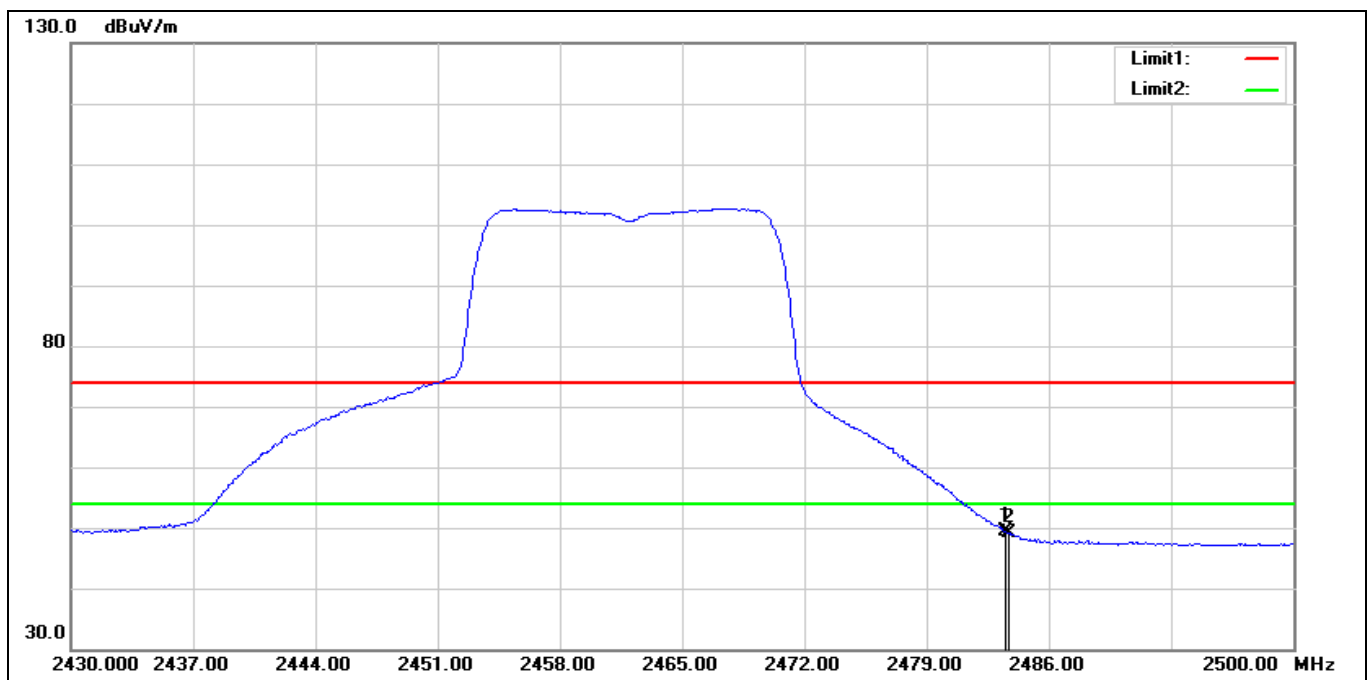
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.800	57.97	-6.19	51.78	54.00	-2.22	AVG
2*	2390.000	58.52	-6.19	52.33	54.00	-1.67	AVG

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2462 MHz		
Remark:			



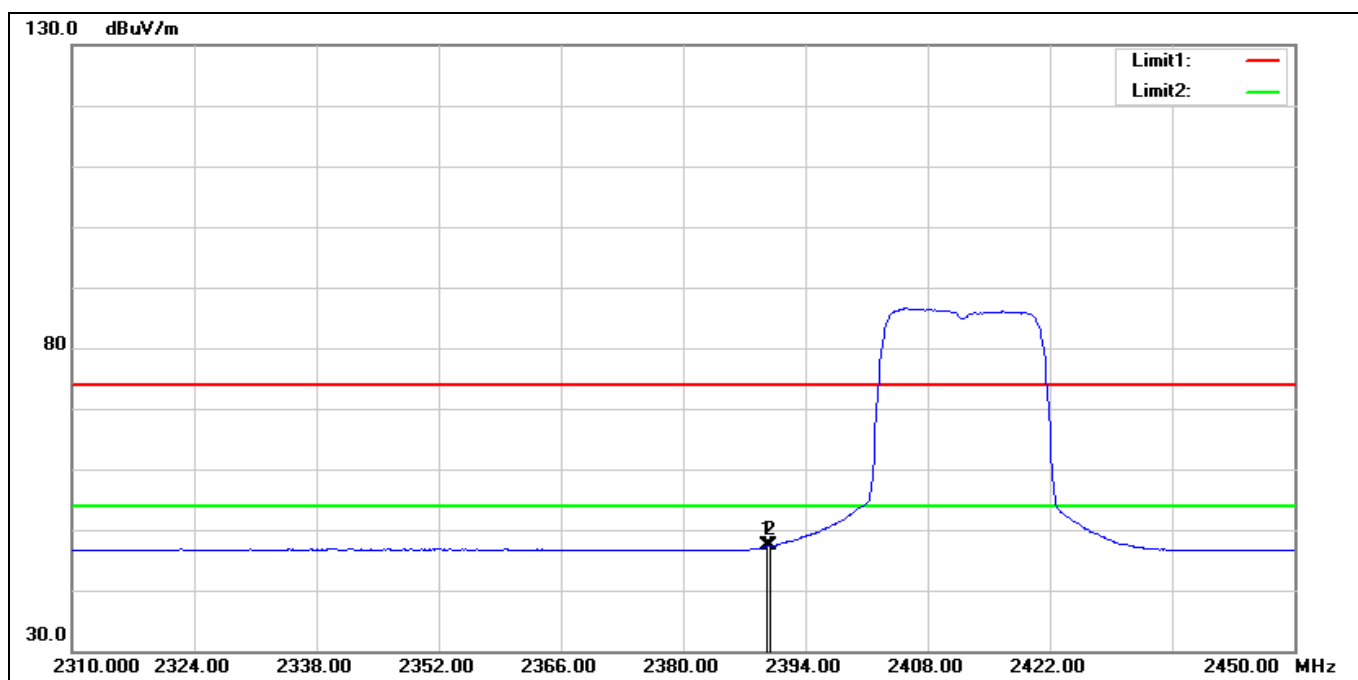
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	53.86	-6.46	47.40	54.00	-6.60	AVG
2*	2486.000	54.00	-6.46	47.54	54.00	-6.46	AVG

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2412 MHz		
Remark:			



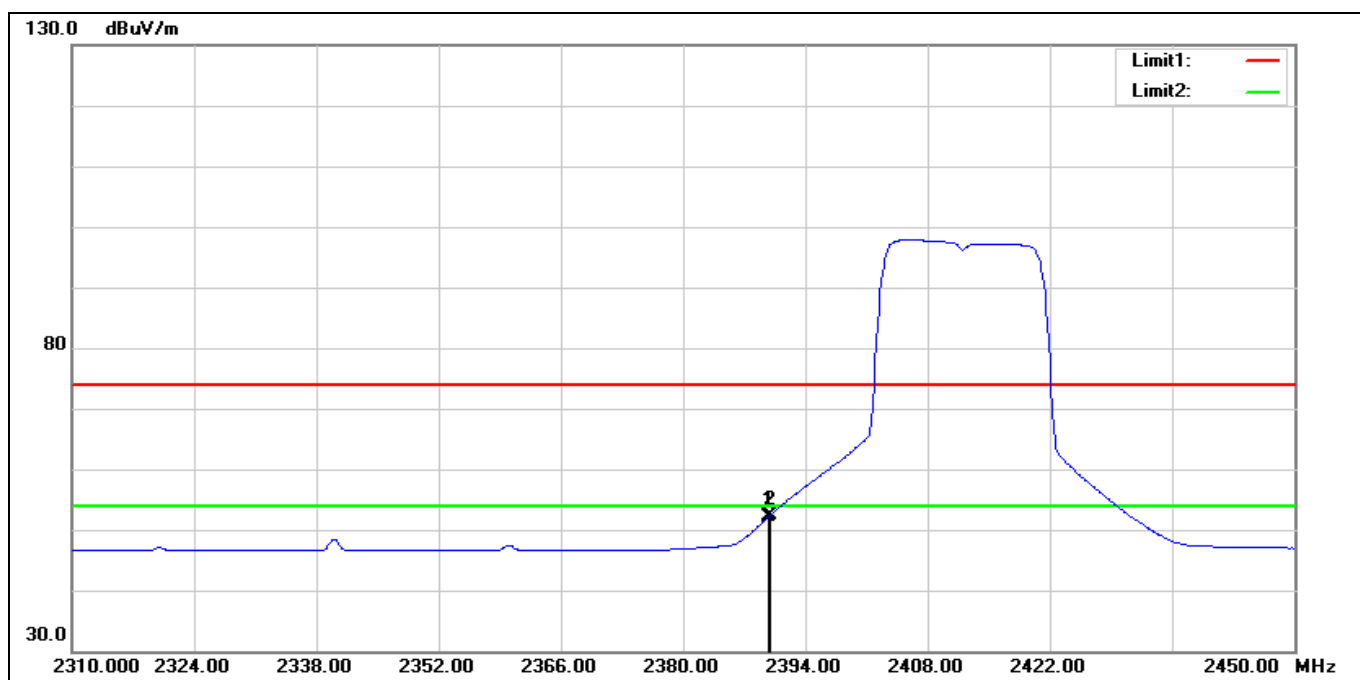
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2483.500	55.73	-6.46	49.27	54.00	-4.73	AVG
2	2483.690	55.63	-6.46	49.17	54.00	-4.83	AVG

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2412 MHz		
Remark:			



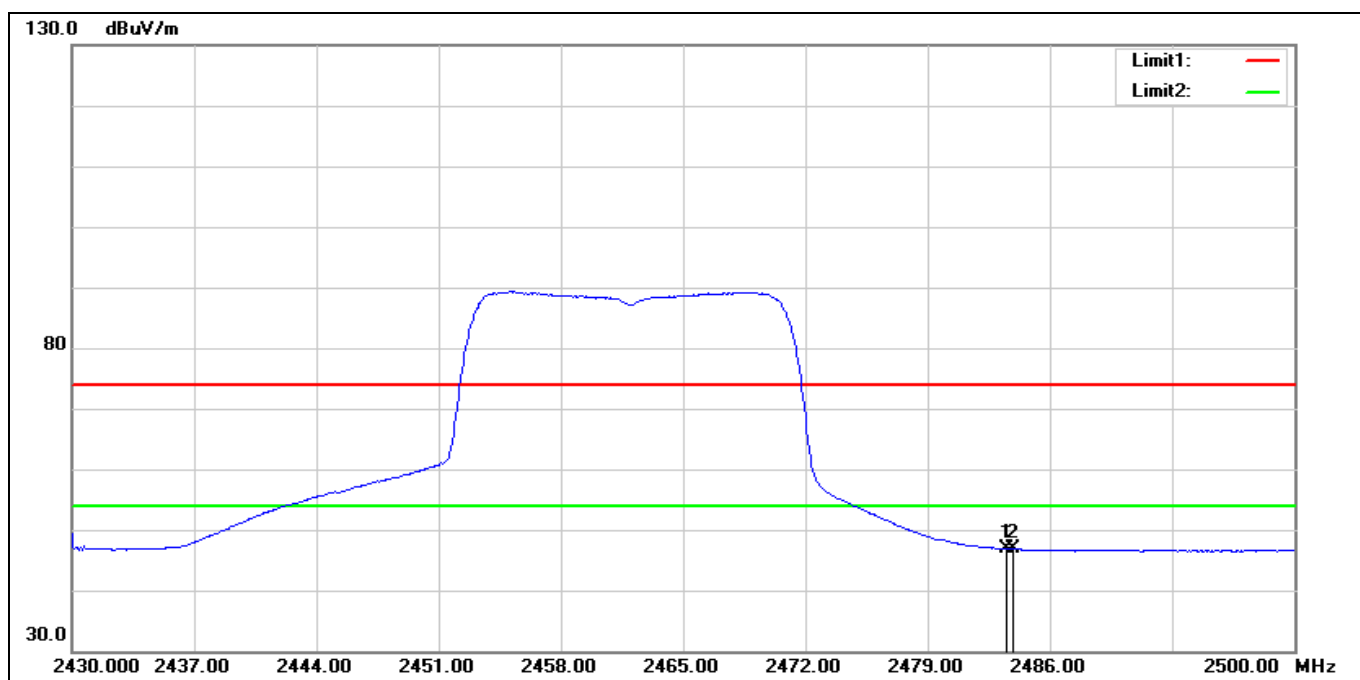
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.660	53.49	-6.19	47.30	54.00	-6.70	AVG
2*	2390.000	53.54	-6.19	47.35	54.00	-6.65	AVG

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2412 MHz		
Remark:			



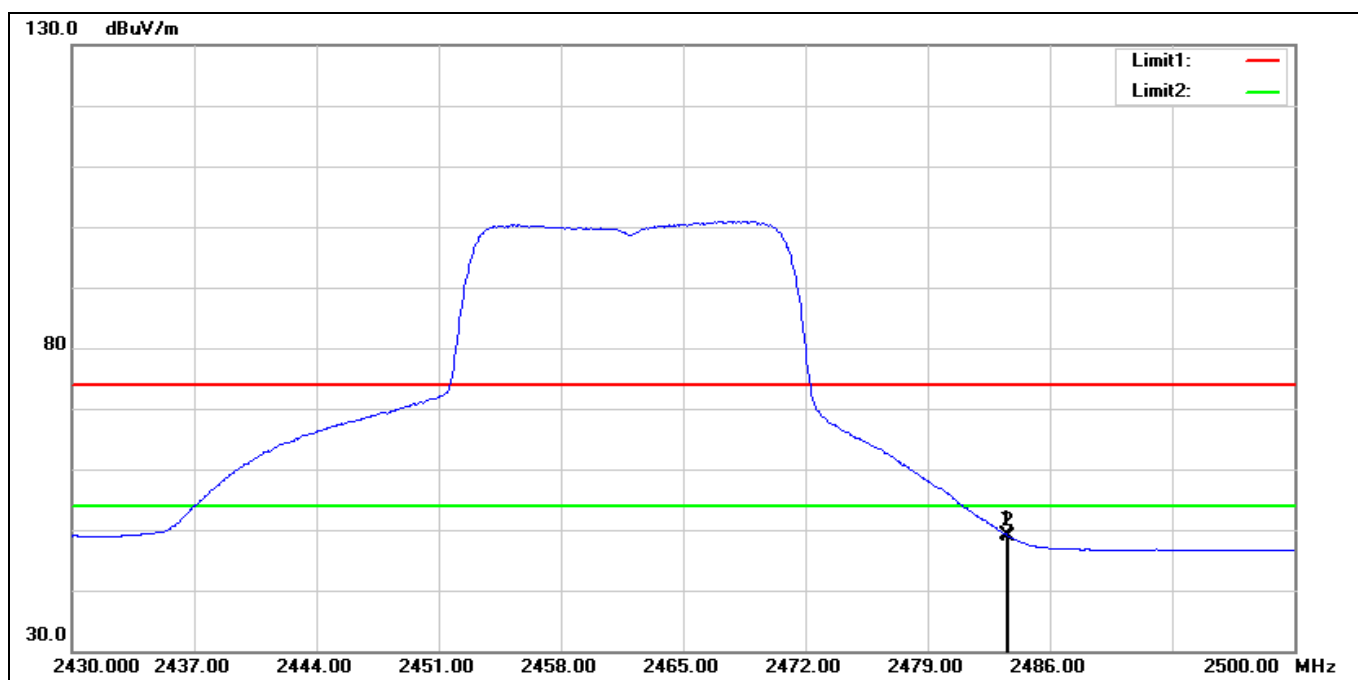
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.800	58.42	-6.19	52.23	54.00	-1.77	AVG
2*	2390.000	58.66	-6.19	52.47	54.00	-1.53	AVG

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2462 MHz		
Remark:			



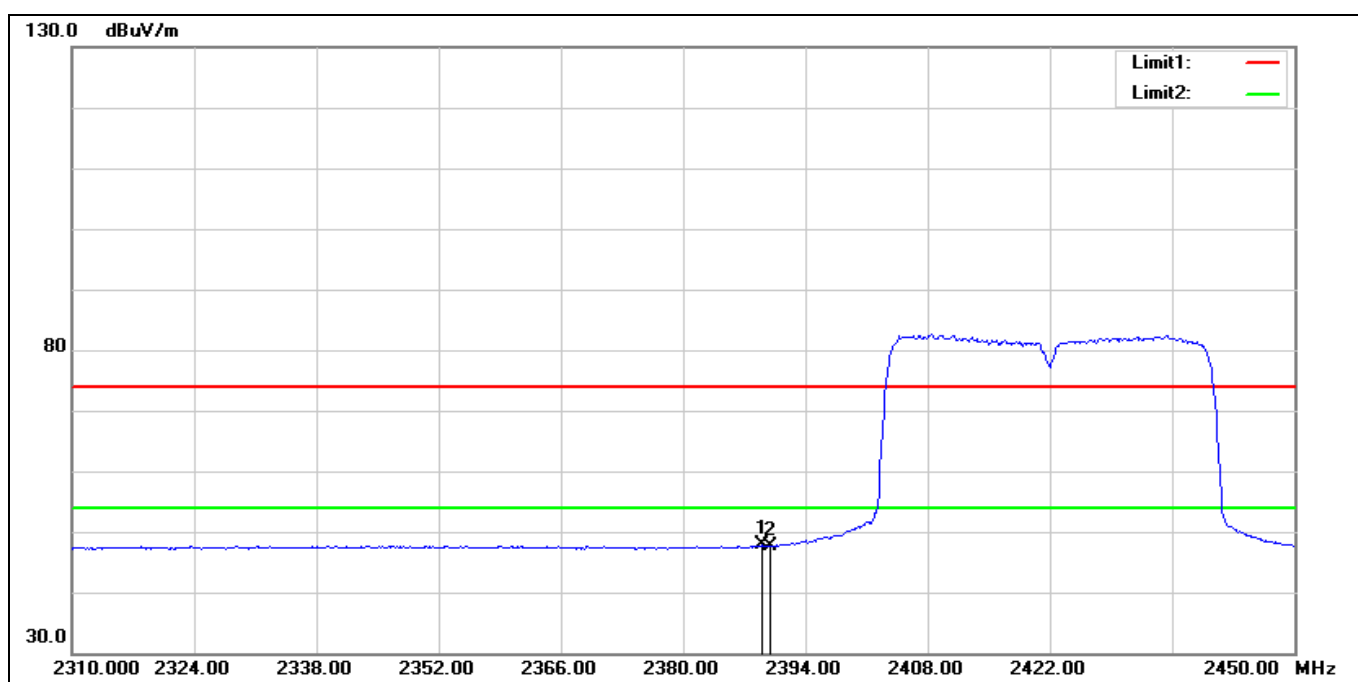
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2483.500	53.36	-6.46	46.90	54.00	-7.10	AVG
2	2483.900	53.37	-6.47	46.90	54.00	-7.10	AVG

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2462 MHz		
Remark:			



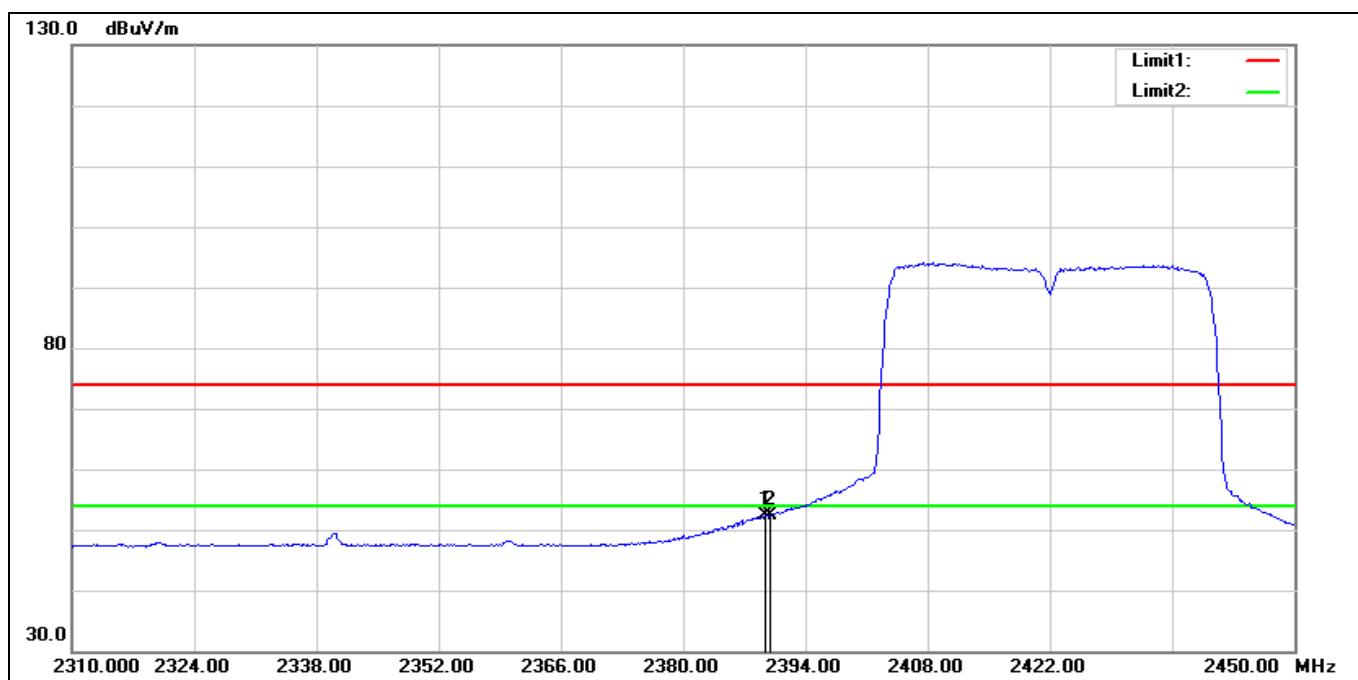
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2483.500	55.63	-6.46	49.17	54.00	-4.83	AVG
2	2483.620	55.42	-6.46	48.96	54.00	-5.04	AVG

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT40 2422 MHz		
Remark:			



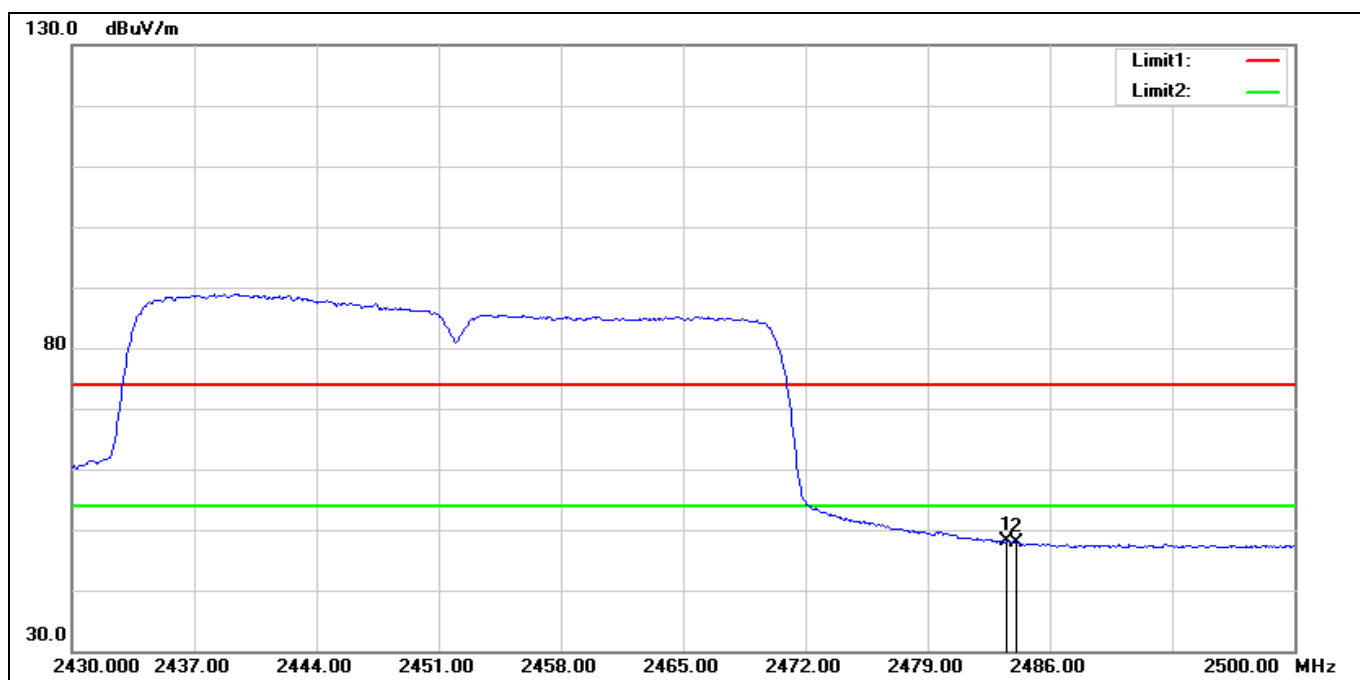
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2389.100	53.96	-6.18	47.78	54.00	-6.22	AVG
2	2390.000	53.86	-6.19	47.67	54.00	-6.33	AVG

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT40 2422 MHz		
Remark:			



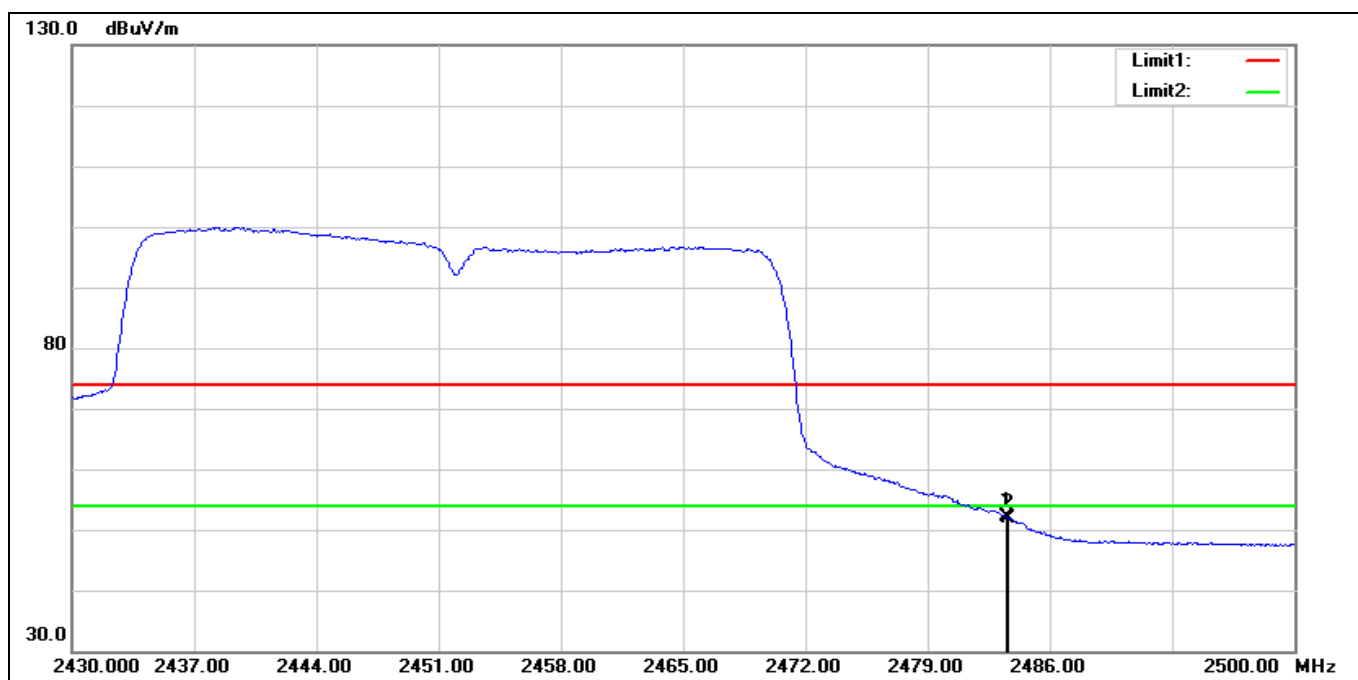
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.380	58.48	-6.19	52.29	54.00	-1.71	AVG
2*	2390.000	58.68	-6.19	52.49	54.00	-1.51	AVG

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT40 2452 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2483.500	54.47	-6.46	48.01	54.00	-5.99	AVG
2	2484.040	54.46	-6.47	47.99	54.00	-6.01	AVG

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT40 2452 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2483.500	58.65	-6.46	52.19	54.00	-1.81	AVG
2	2483.620	58.33	-6.46	51.87	54.00	-2.13	AVG

MIMO

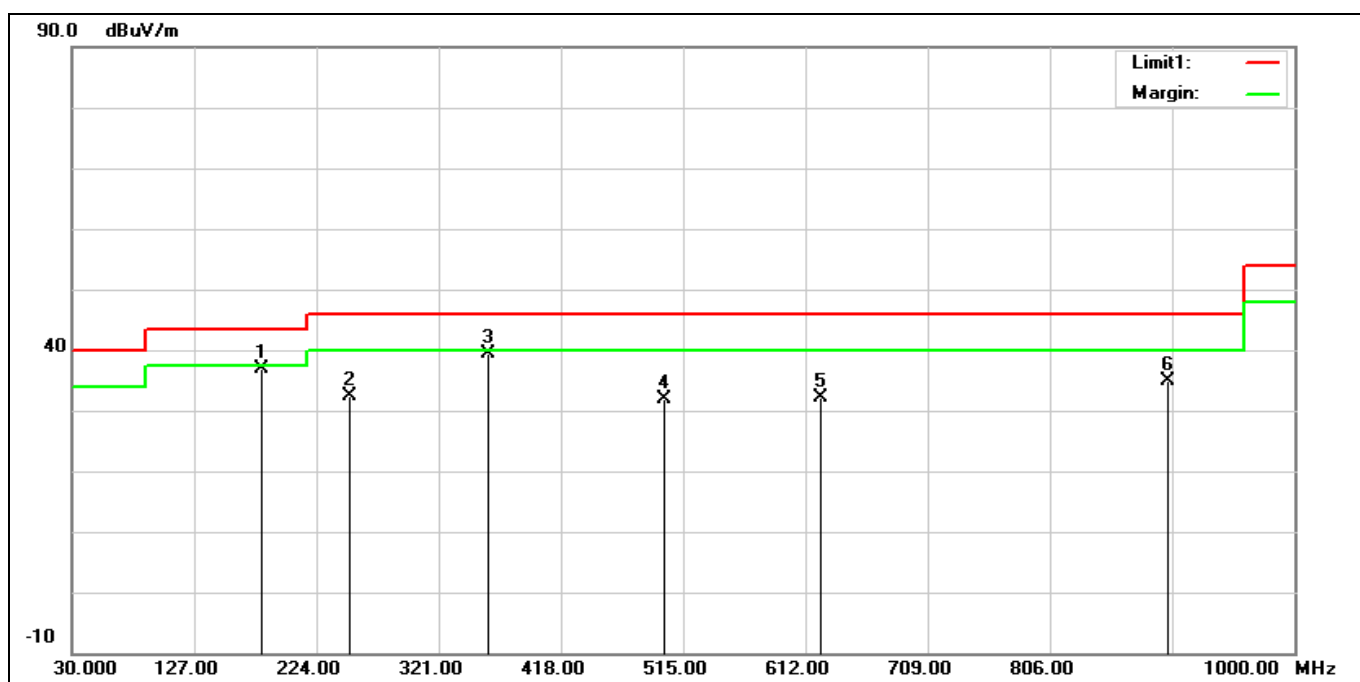
Below 1 GHz

Standard: Part 15.247 Test Site: 966 Chamber

Polarization: Horizontal

Test Mode: Transmit Mode

Remark:



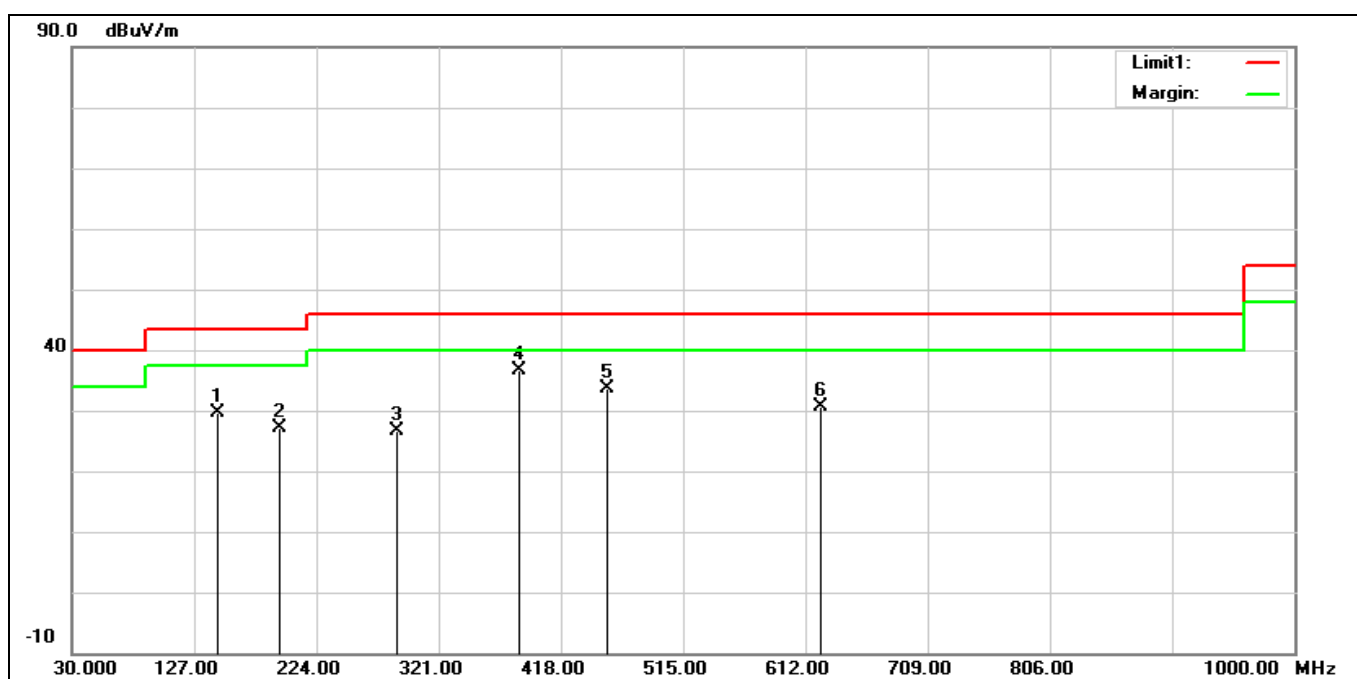
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	180.3500	61.93	-24.99	36.94	43.50	-6.56	QP
2	250.1900	56.79	-24.49	32.30	46.00	-13.70	QP
3*	359.8000	60.87	-21.41	39.46	46.00	-6.54	QP
4	500.4500	49.95	-18.00	31.95	46.00	-14.05	QP
5	624.6100	47.80	-15.63	32.17	46.00	-13.83	QP
6	900.0900	45.81	-11.03	34.78	46.00	-11.22	QP

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	Transmit Mode		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	145.4300	53.76	-24.19	29.57	43.50	-13.93	QP
2	194.9000	53.39	-26.19	27.20	43.50	-16.30	QP
3	288.0200	49.88	-23.22	26.66	46.00	-19.34	QP
4*	385.0200	57.26	-20.68	36.58	46.00	-9.42	QP
5	454.8600	52.45	-18.82	33.63	46.00	-12.37	QP
6	624.6100	46.36	-15.63	30.73	46.00	-15.27	QP

Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

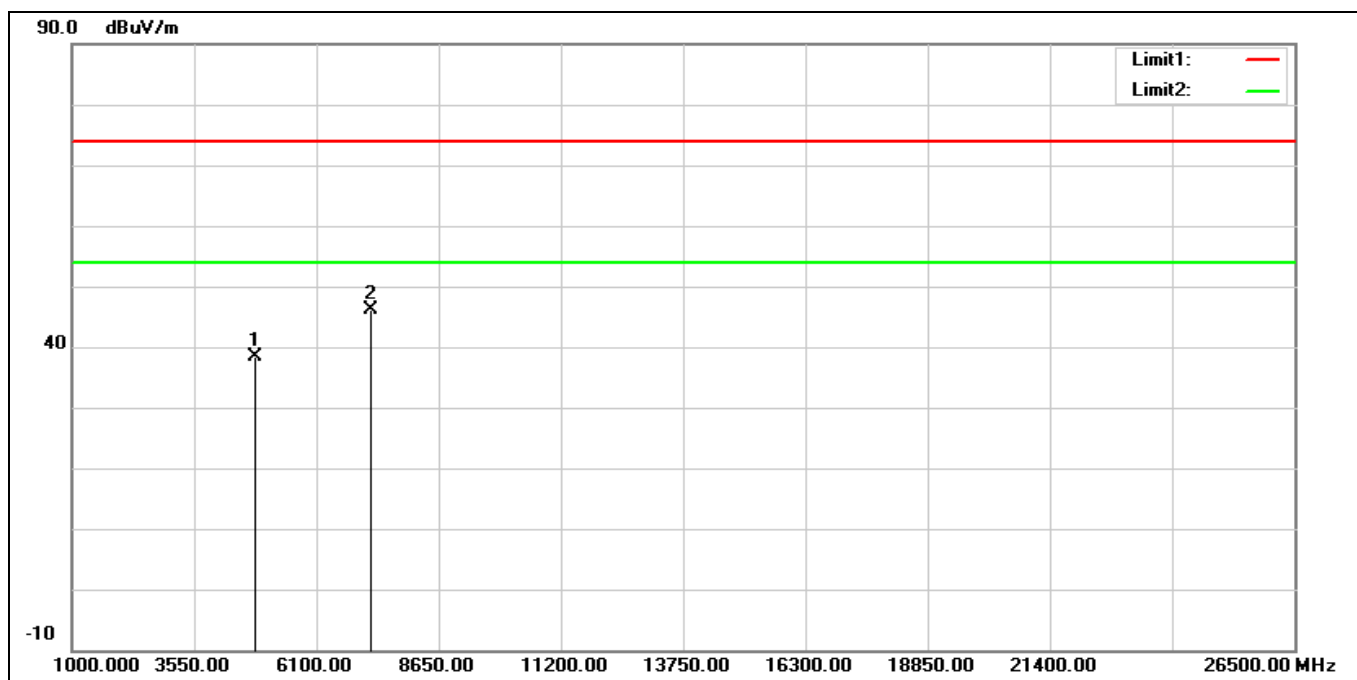
2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Harmonic

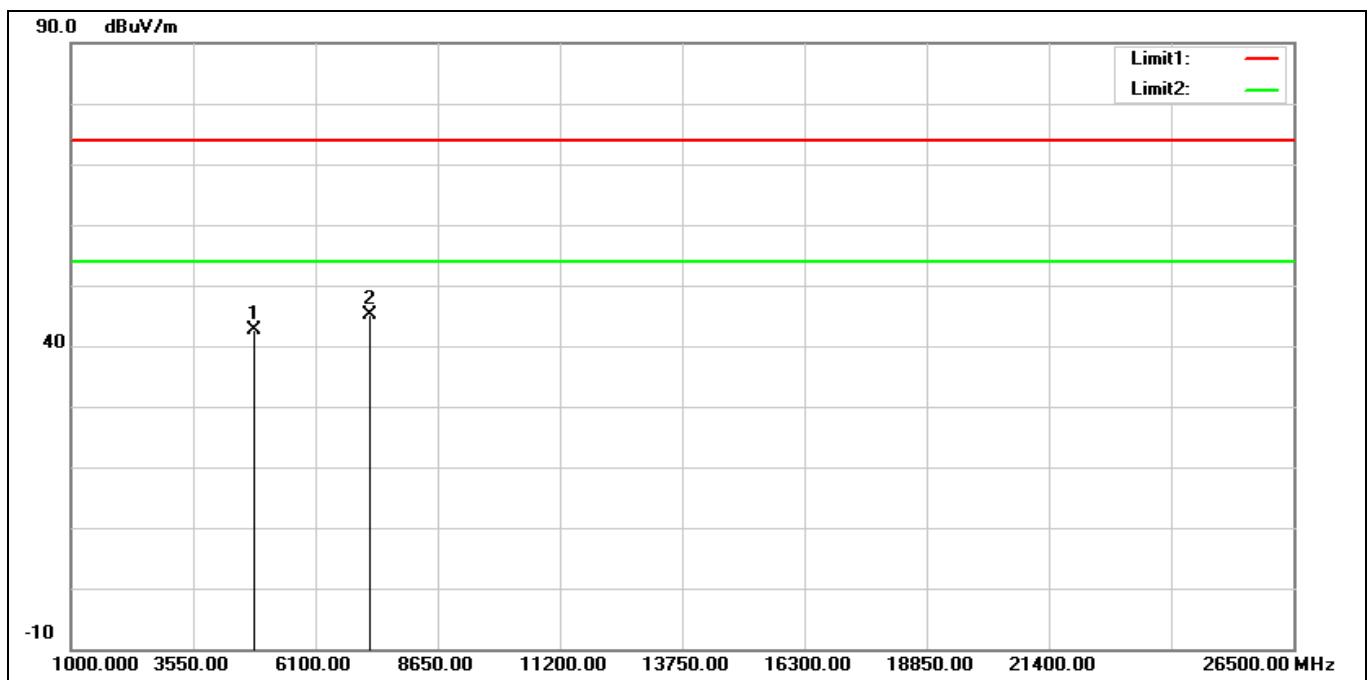
Above 1 GHz

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2412 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	38.02	0.28	38.30	74.00	-35.70	peak
2*	7236.000	38.12	7.96	46.08	74.00	-27.92	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2412 MHz		
Remark:			



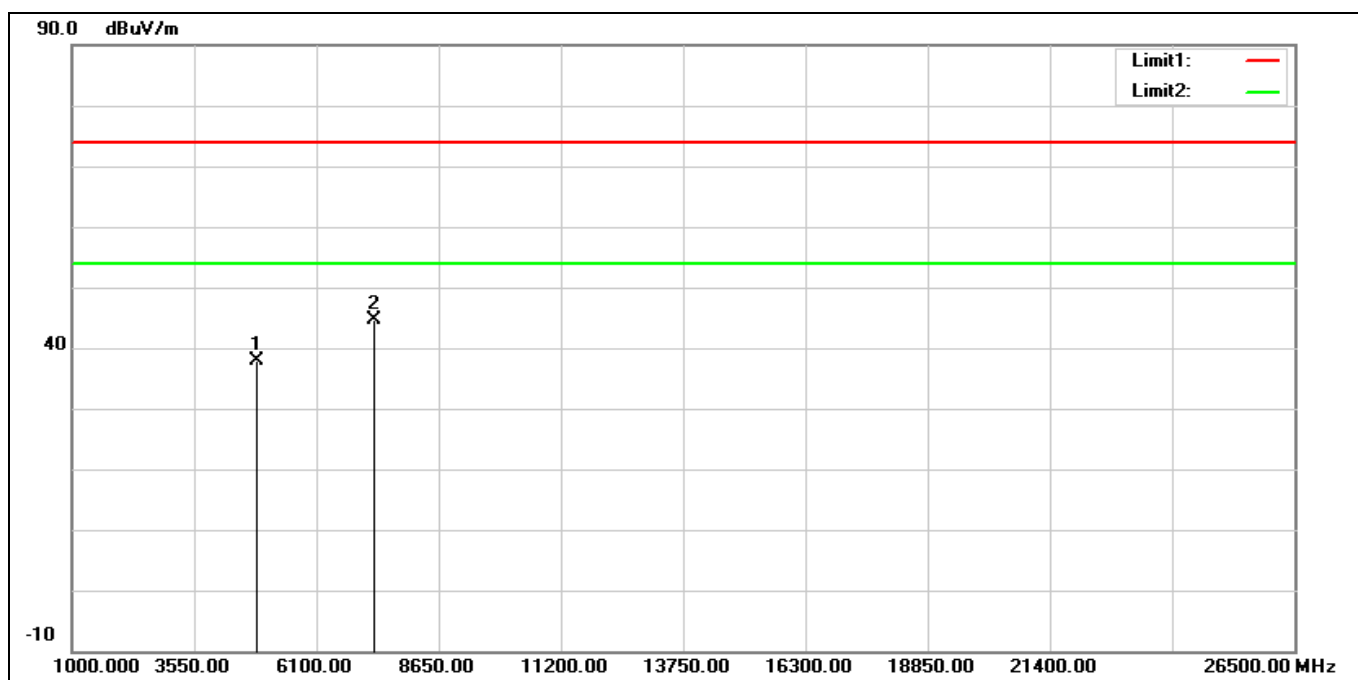
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	42.25	0.28	42.53	74.00	-31.47	peak
2*	7236.000	37.19	7.96	45.15	74.00	-28.85	peak

Standard: Part 15.247 Test Site: 966 Chamber

Polarization: Horizontal

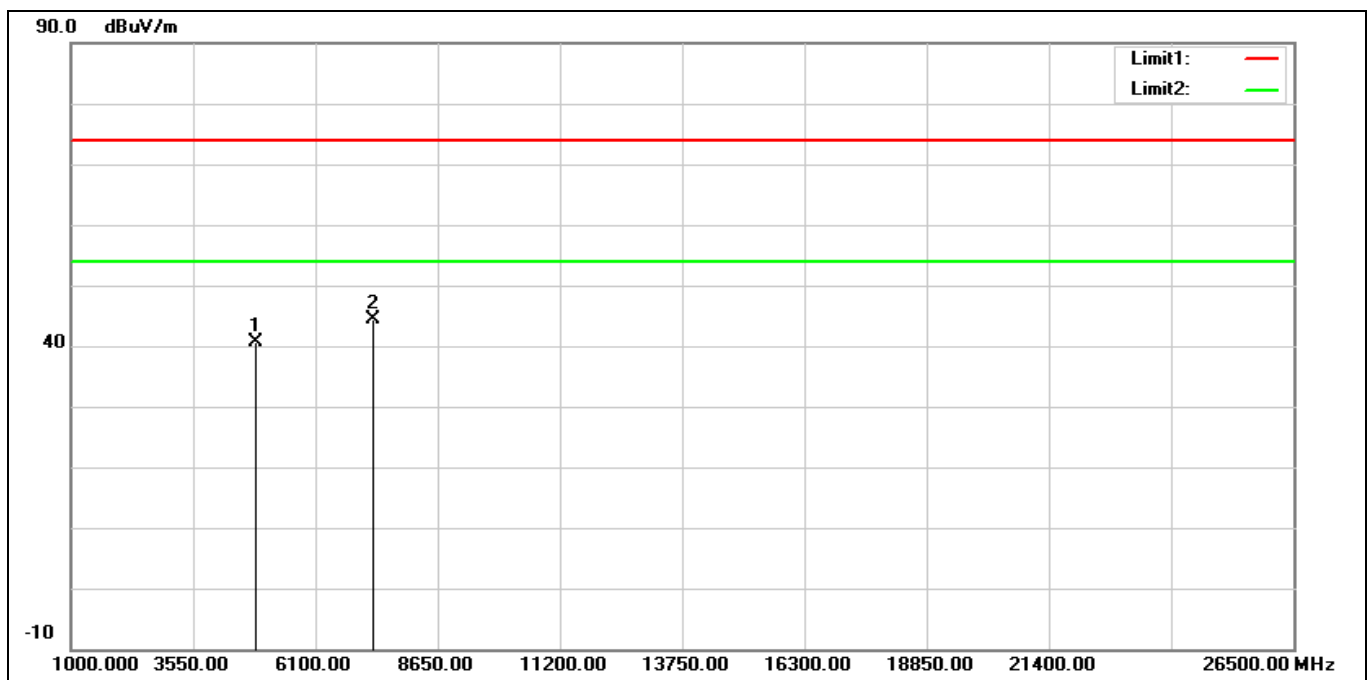
Test Mode: 802.11n HT20 2437 MHz

Remark:



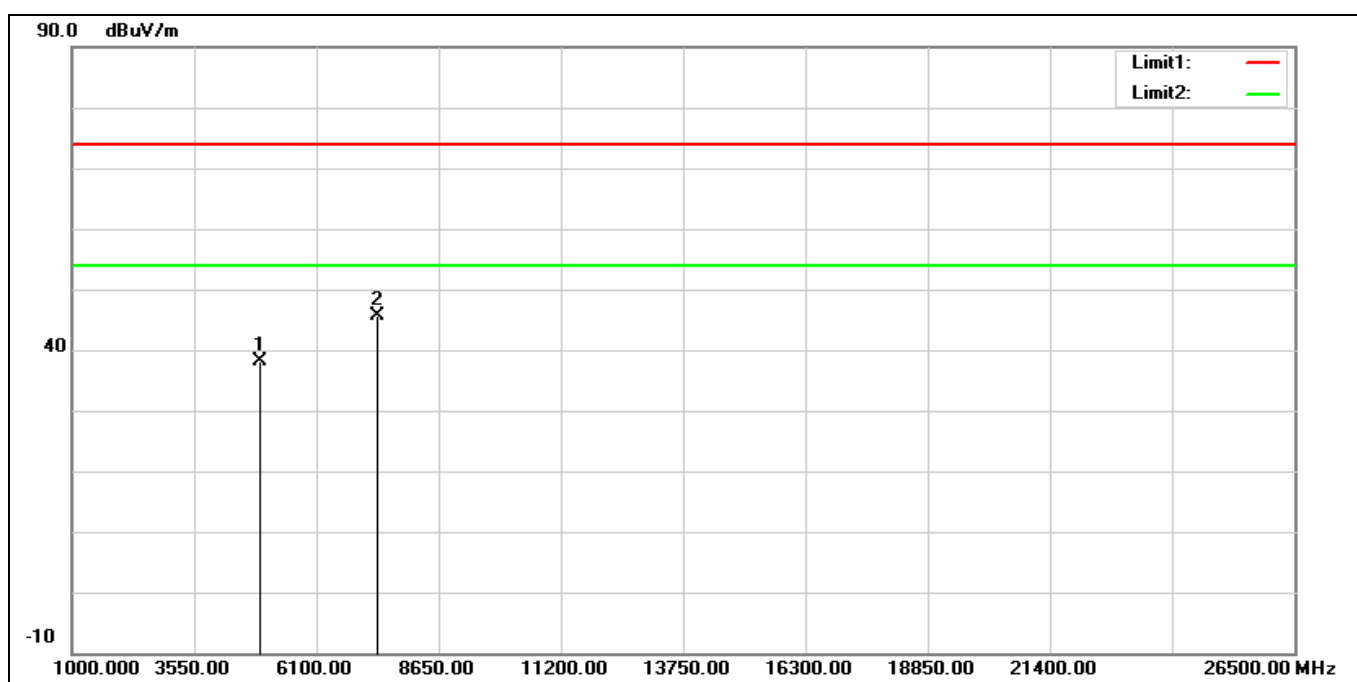
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	37.49	0.36	37.85	74.00	-36.15	peak
2*	7311.000	36.65	7.98	44.63	74.00	-29.37	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2437 MHz		
Remark:			



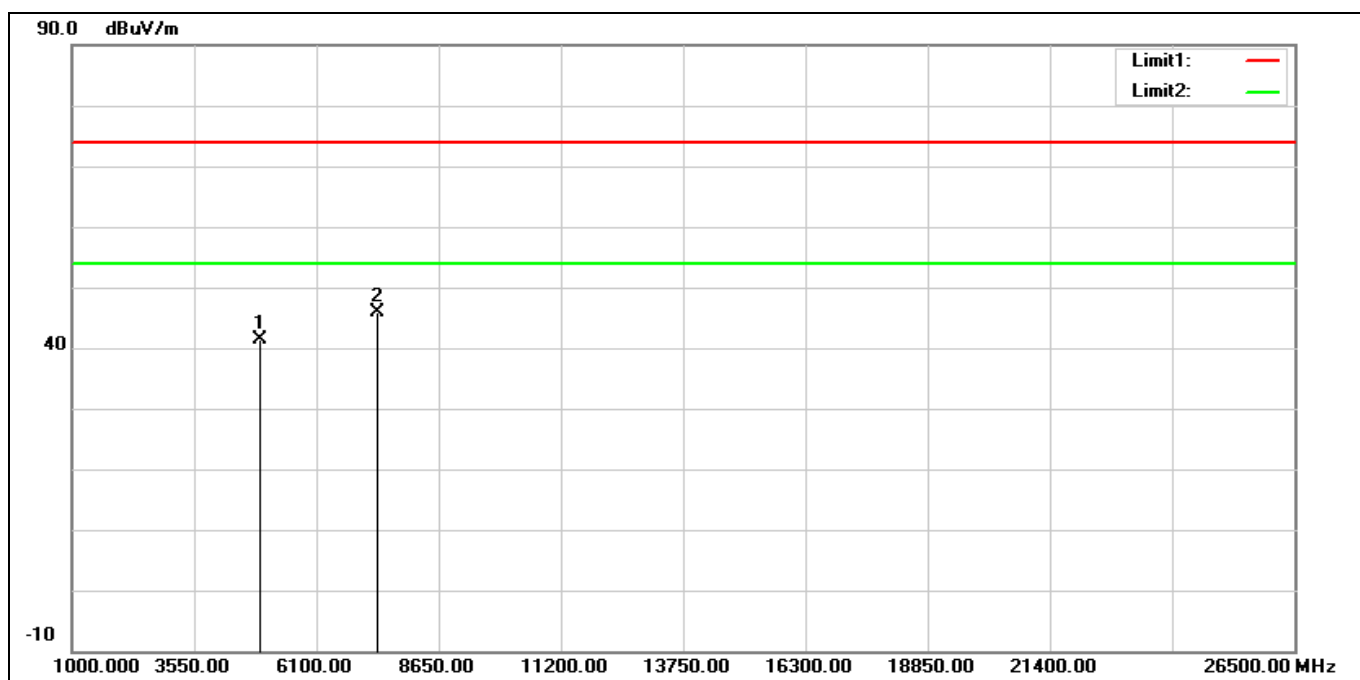
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	40.32	0.36	40.68	74.00	-33.32	peak
2*	7311.000	36.35	7.98	44.33	74.00	-29.67	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2462 MHz		
Remark:			



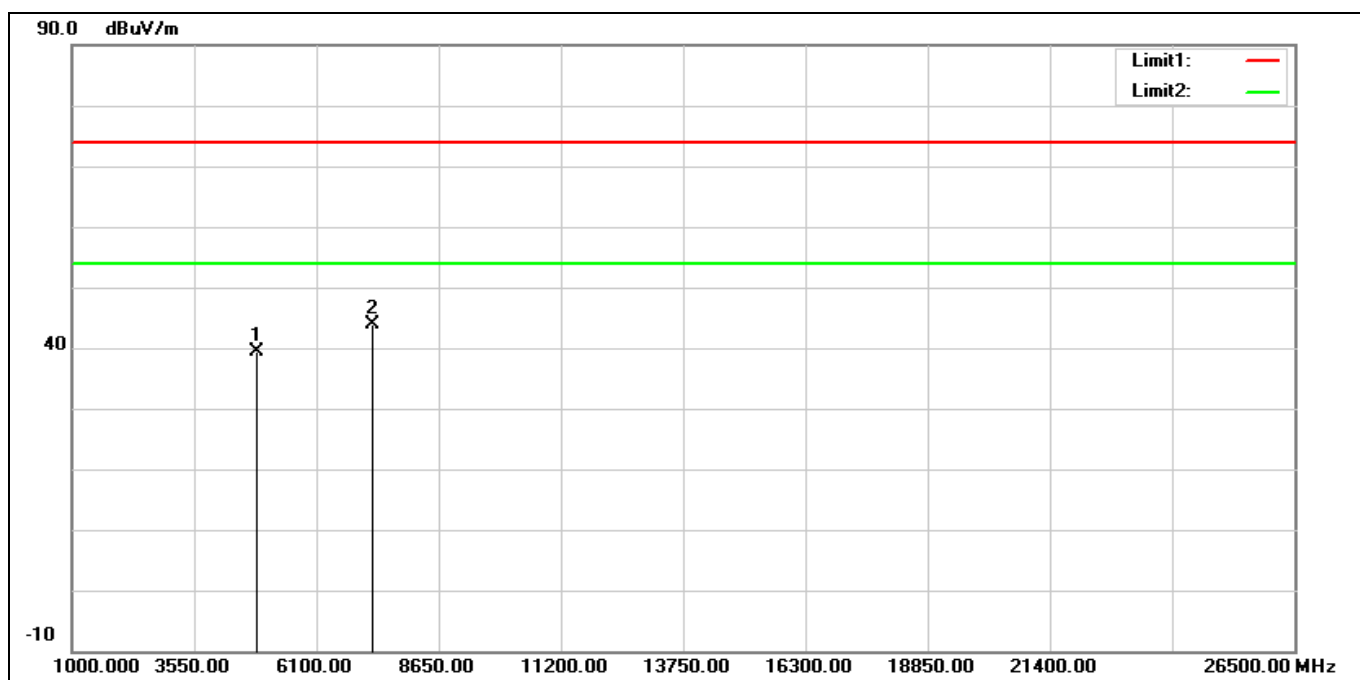
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	37.60	0.50	38.10	74.00	-35.90	peak
2*	7386.000	37.47	8.11	45.58	74.00	-28.42	peak

Standard: Part 15.247 Test Site: 966 Chamber
Polarization: Vertical
Test Mode: 802.11n HT20 2462 MHz
Remark:



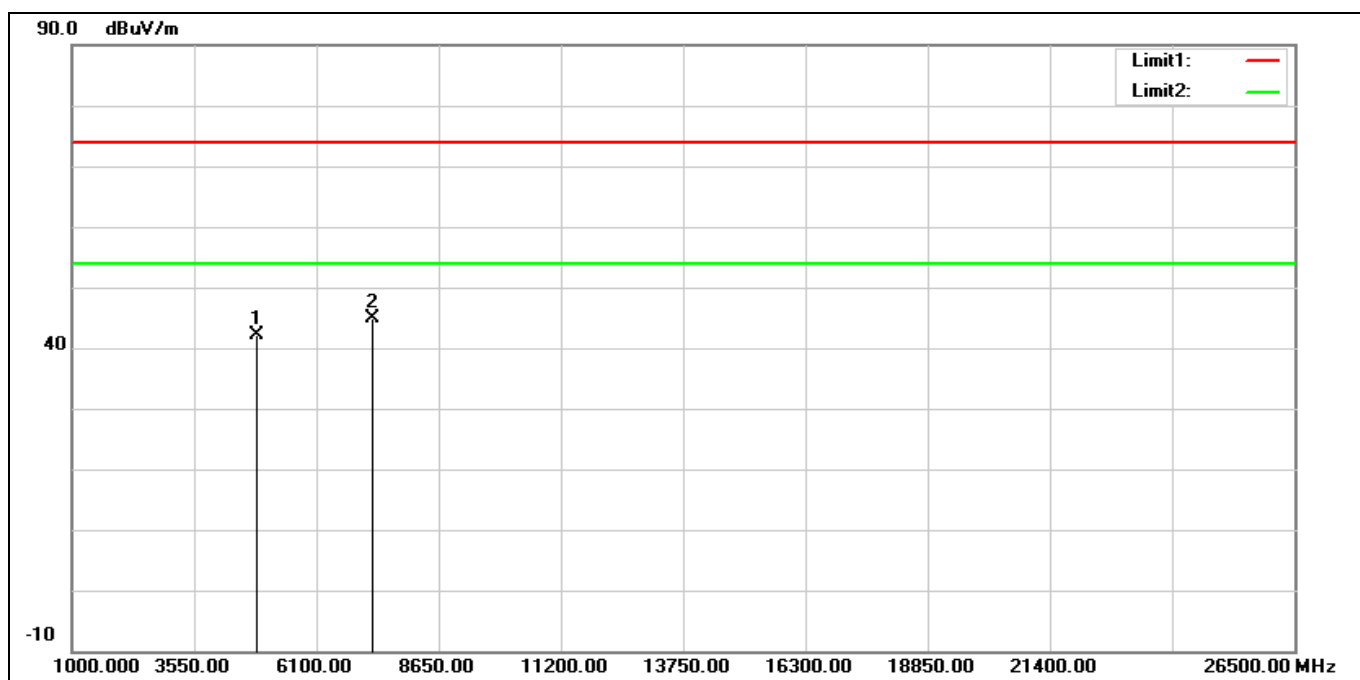
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	40.98	0.50	41.48	74.00	-32.52	peak
2*	7386.000	37.73	8.11	45.84	74.00	-28.16	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT40 2422 MHz		
Remark:			



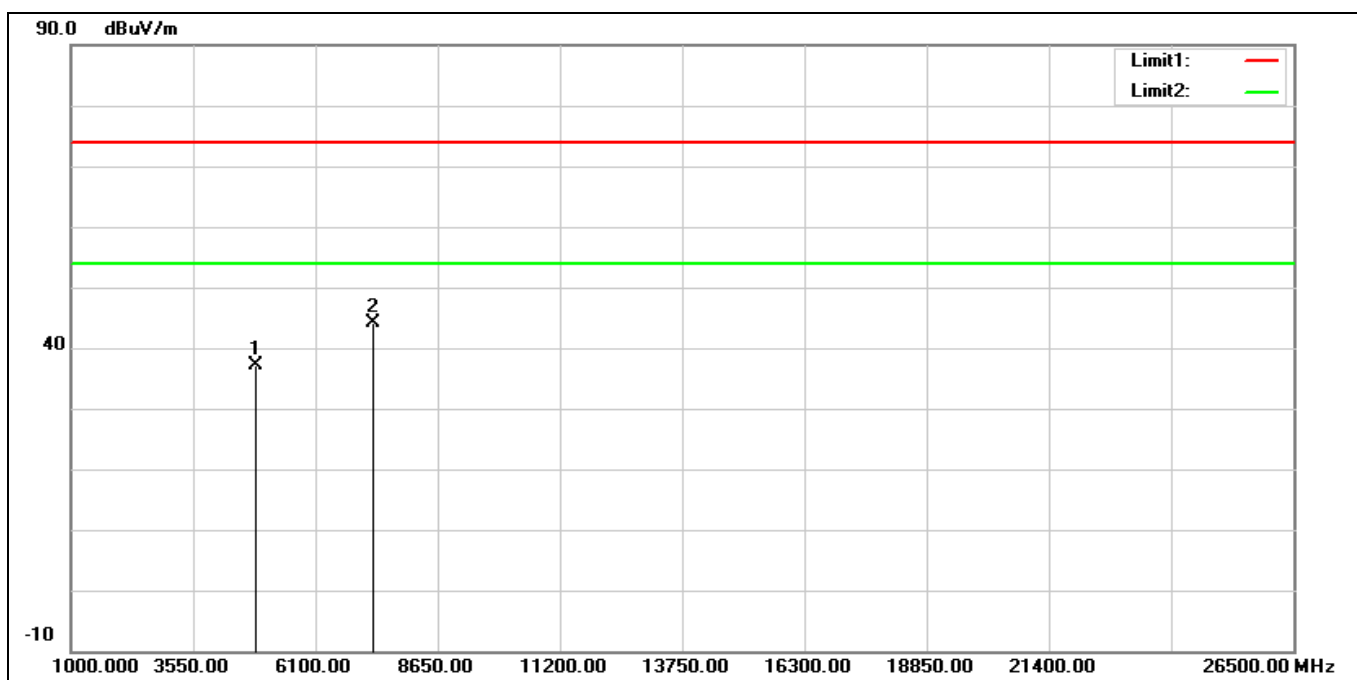
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4844.000	38.99	0.28	39.27	74.00	-34.73	peak
2*	7266.000	35.87	8.02	43.89	74.00	-30.11	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT40 2422 MHz		
Remark:			



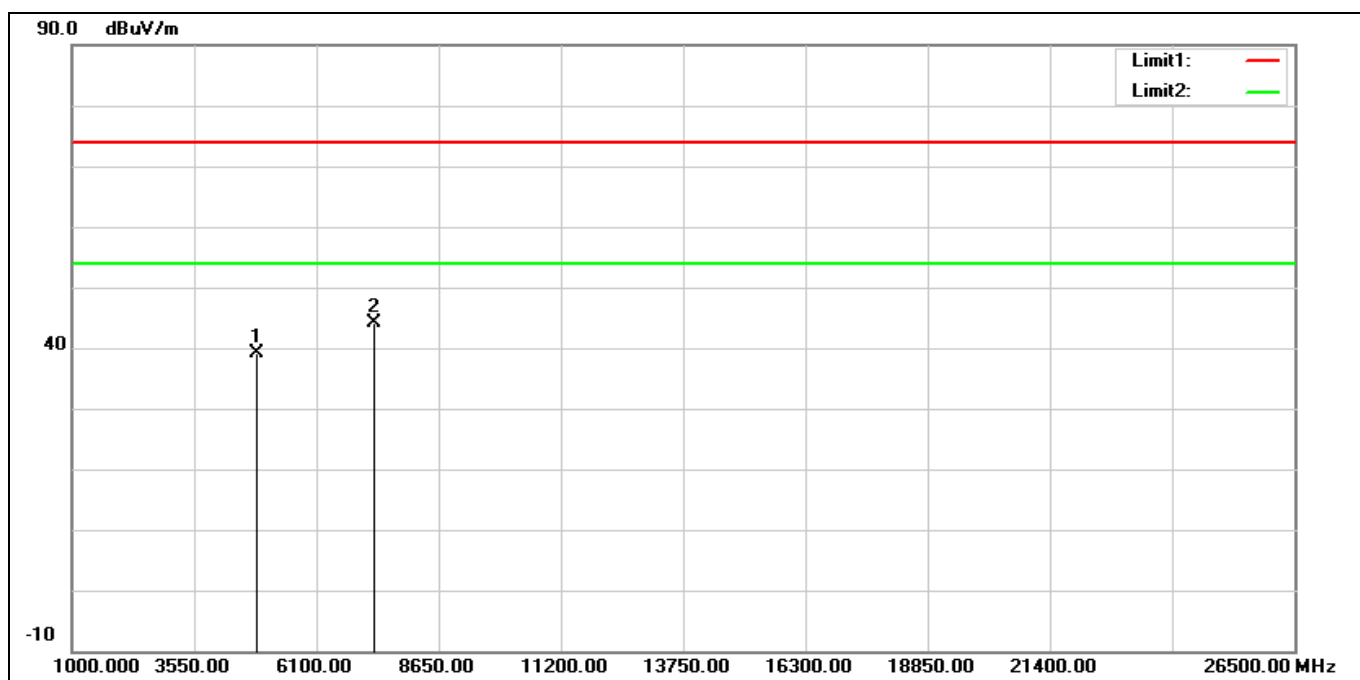
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4844.000	41.85	0.28	42.13	74.00	-31.87	peak
2*	7266.000	36.74	8.02	44.76	74.00	-29.24	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT40 2437 MHz		
Remark:			



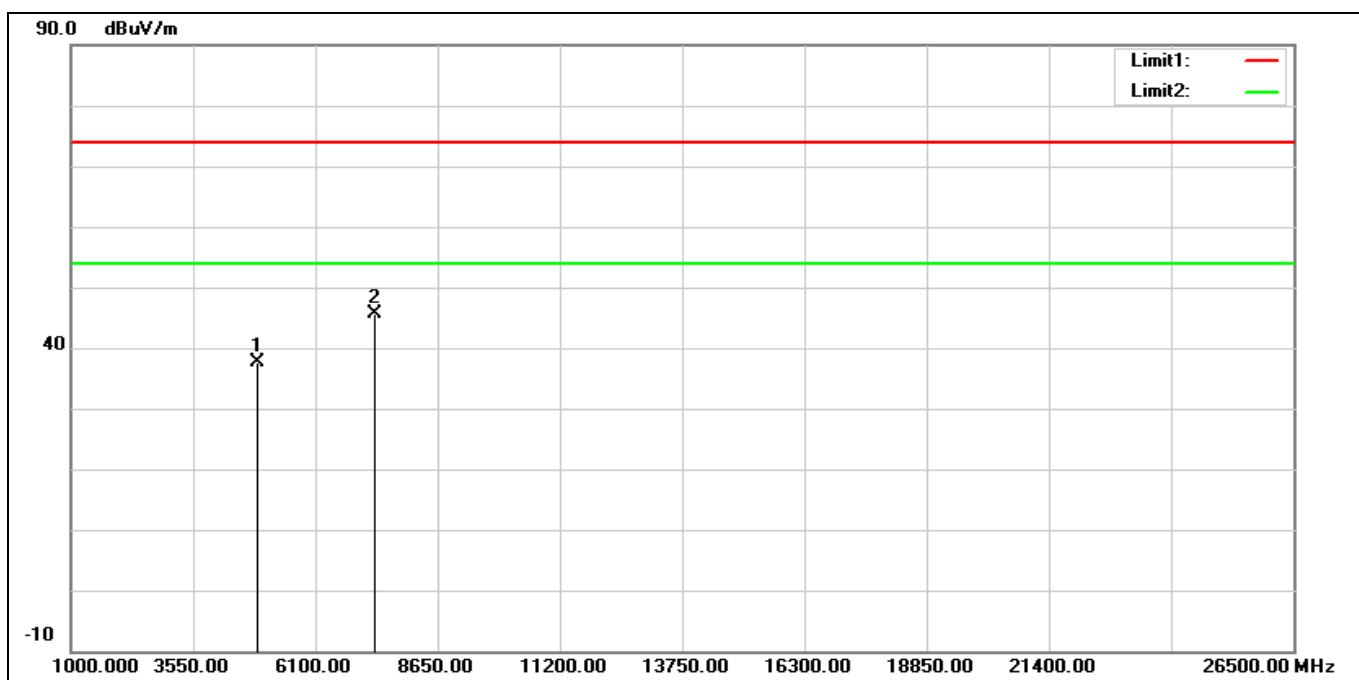
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	36.88	0.36	37.24	74.00	-36.76	peak
2*	7311.000	36.04	7.98	44.02	74.00	-29.98	peak

Standard: Part 15.247 Test Site: 966 Chamber
Polarization: Vertical
Test Mode: 802.11n HT40 2437 MHz
Remark:



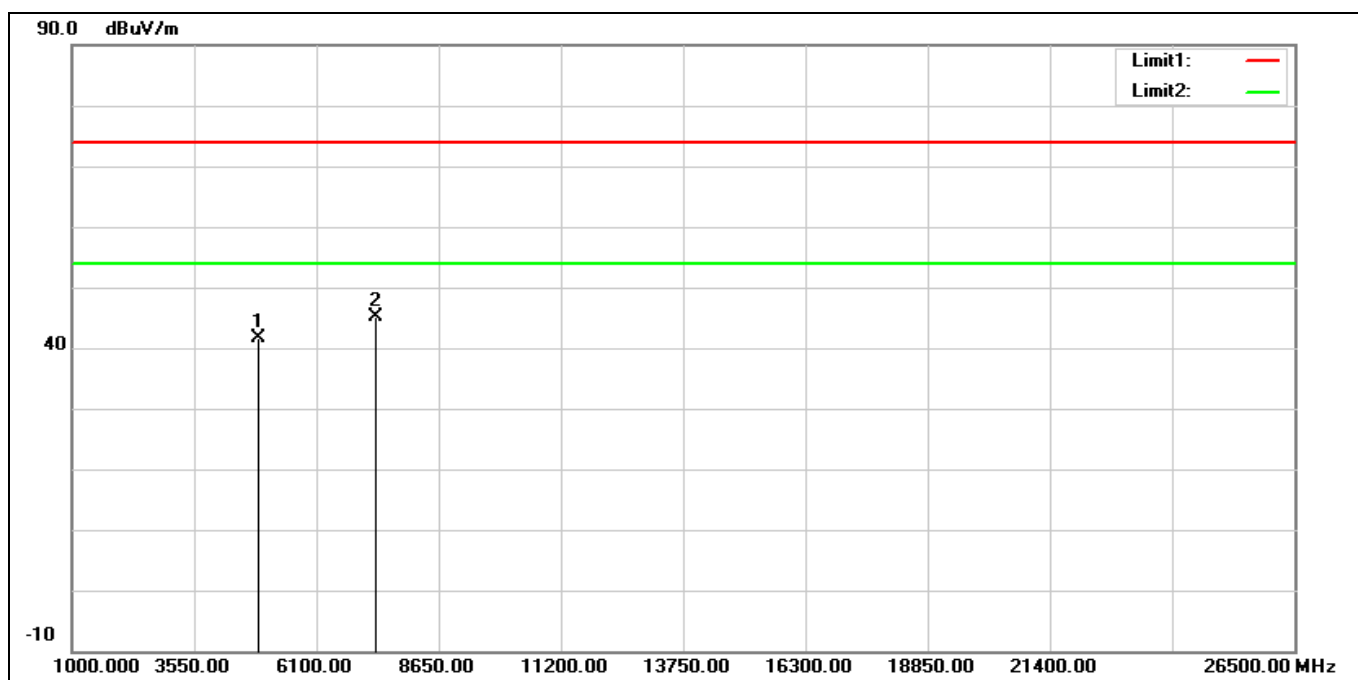
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	38.80	0.36	39.16	74.00	-34.84	peak
2*	7311.000	36.17	7.98	44.15	74.00	-29.85	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT40 2452 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4904.000	37.29	0.46	37.75	74.00	-36.25	peak
2*	7356.000	37.50	8.02	45.52	74.00	-28.48	peak

Standard: Part 15.247 Test Site: 966 Chamber
Polarization: Vertical
Test Mode: 802.11n HT40 2452 MHz
Remark:



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4904.000	41.15	0.46	41.61	74.00	-32.39	peak
2*	7356.000	37.23	8.02	45.25	74.00	-28.75	peak

Band Edge

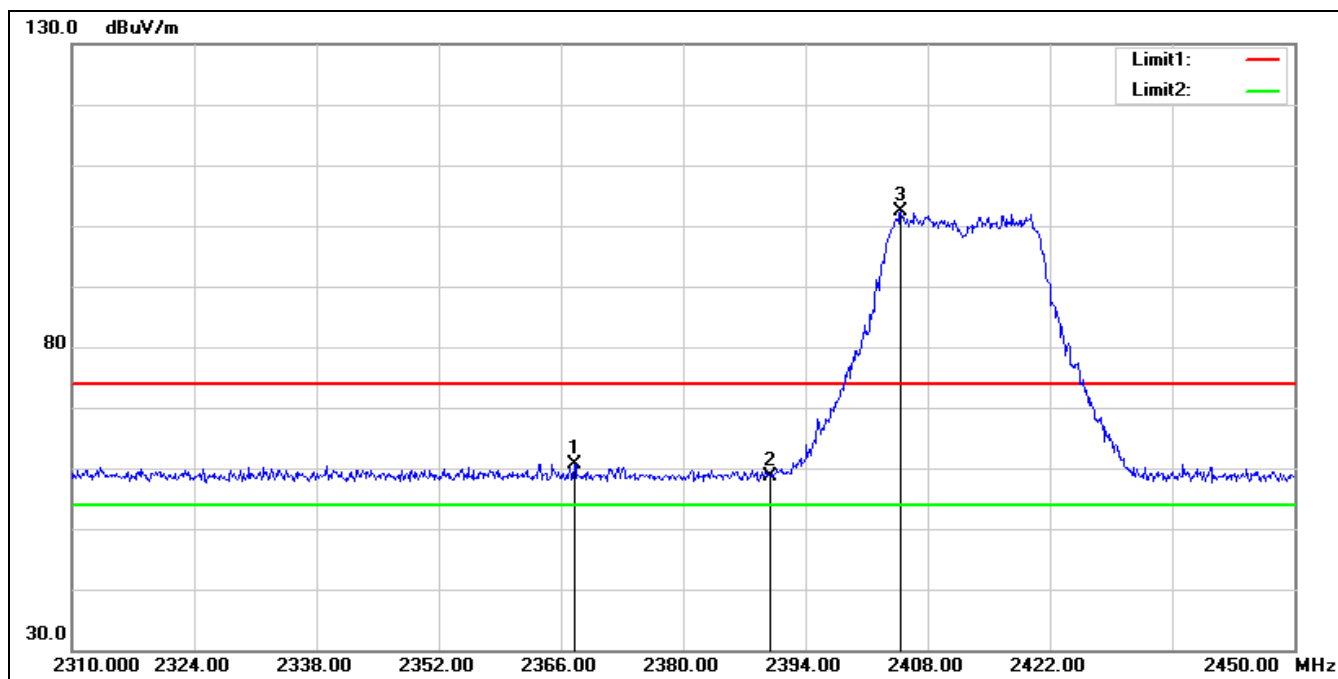
Peak

Standard: Part 15.247 Test Site: 966 Chamber

Polarization: Horizontal

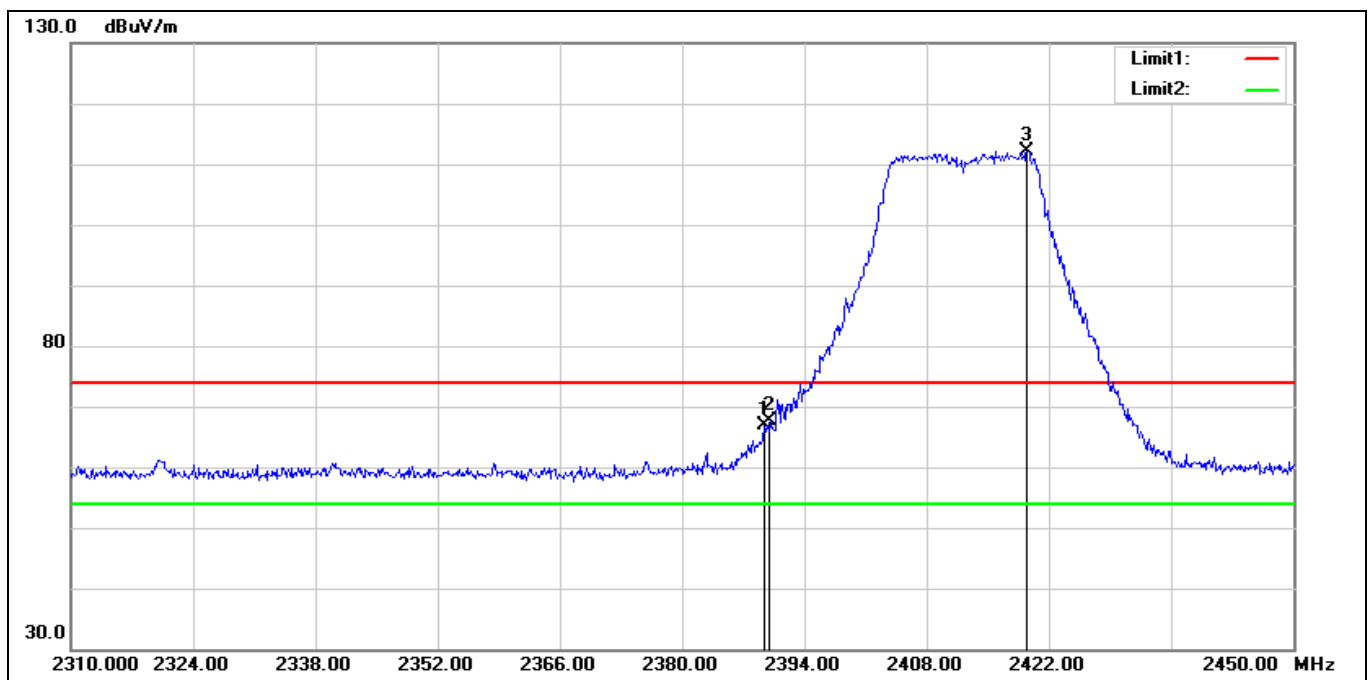
Test Mode: 802.11n HT20 2412 MHz

Remark:



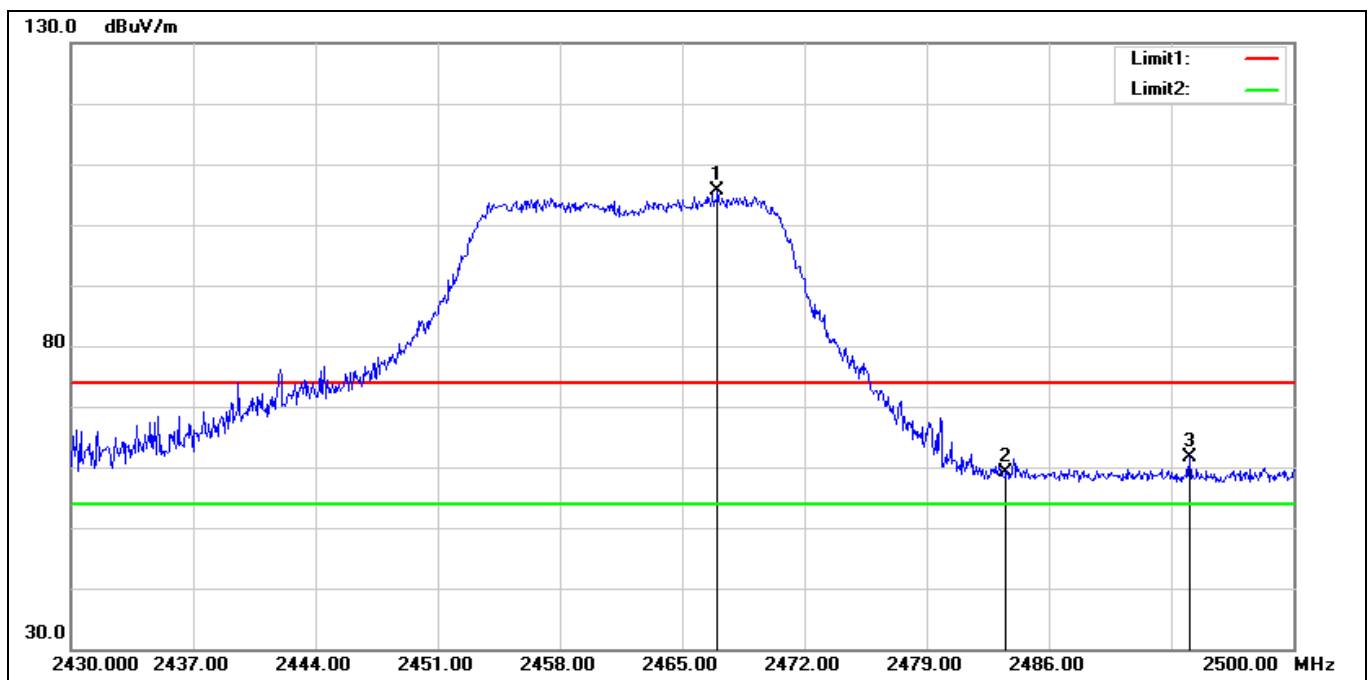
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2367.540	66.67	-6.08	60.59	74.00	-13.41	peak
2	2390.000	64.85	-6.19	58.66	74.00	-15.34	peak
3*	2404.920	108.57	-6.25	102.32	74.00	28.32	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2412 MHz		
Remark:			



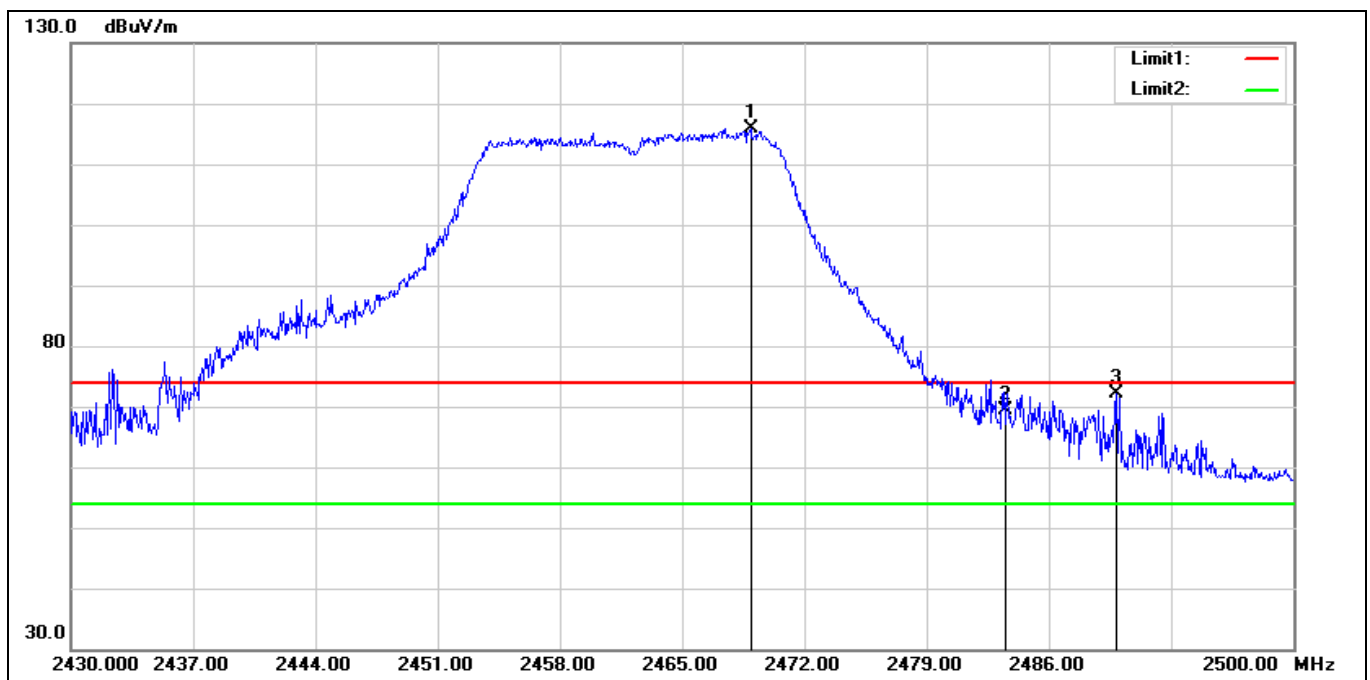
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.380	73.13	-6.19	66.94	74.00	-7.06	peak
2	2390.000	73.87	-6.19	67.68	74.00	-6.32	peak
3*	2419.480	118.45	-6.29	112.16	74.00	38.16	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2462 MHz		
Remark:			



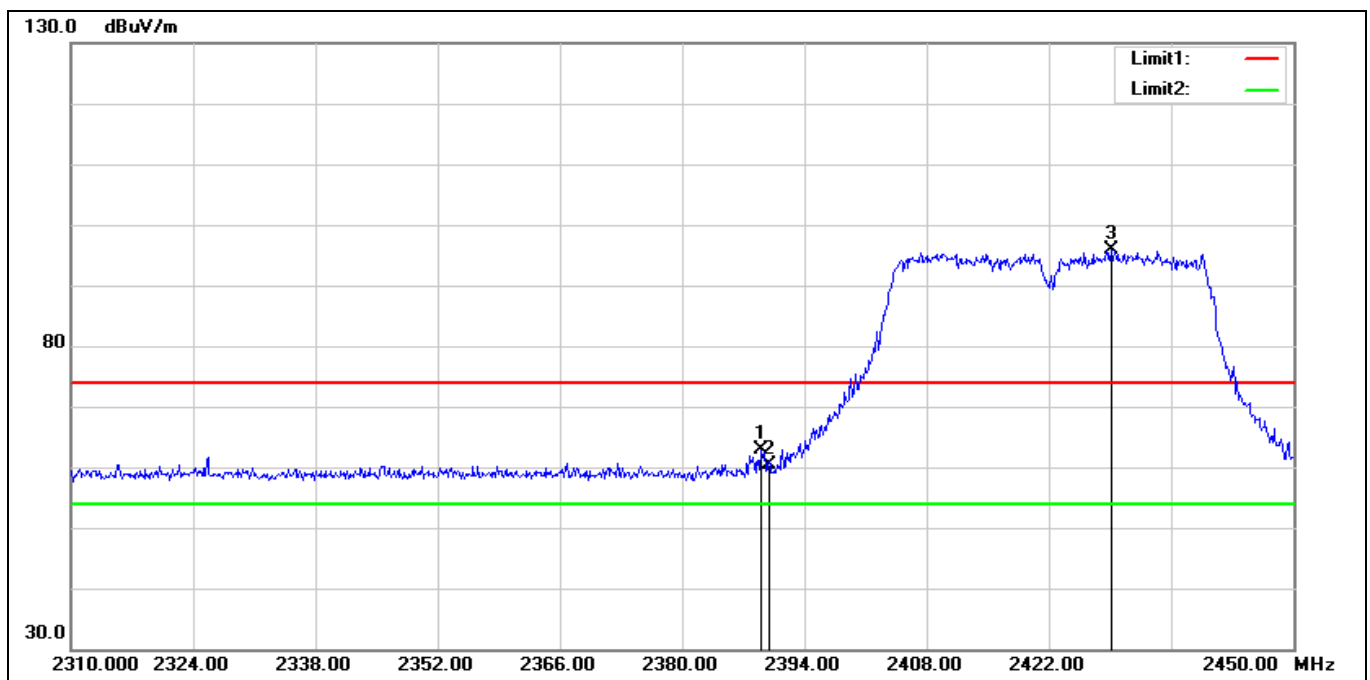
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2467.030	111.97	-6.42	105.55	74.00	31.55	peak
2	2483.500	65.53	-6.46	59.07	74.00	-14.93	peak
3	2494.050	68.05	-6.50	61.55	74.00	-12.45	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2462 MHz		
Remark:			



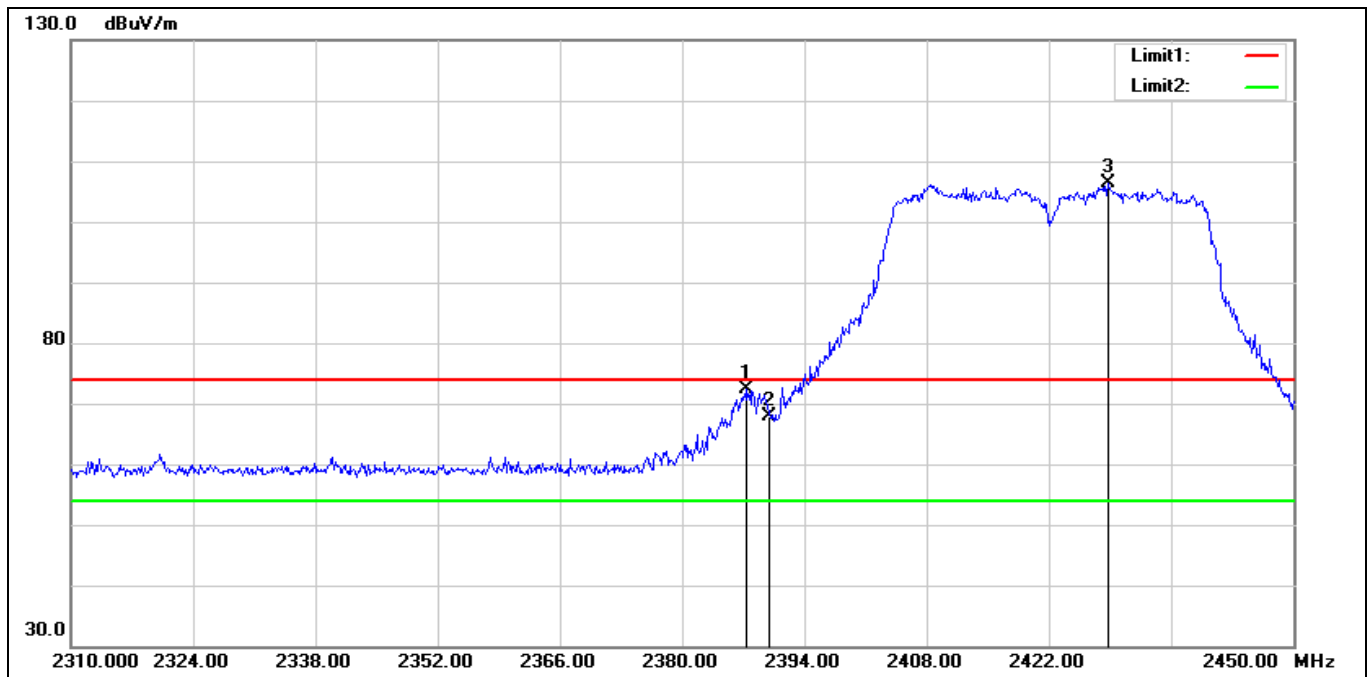
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2468.920	122.40	-6.43	115.97	74.00	41.97	peak
2	2483.500	75.76	-6.46	69.30	74.00	-4.70	peak
3	2489.850	78.61	-6.48	72.13	74.00	-1.87	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT40 2422 MHz		
Remark:			



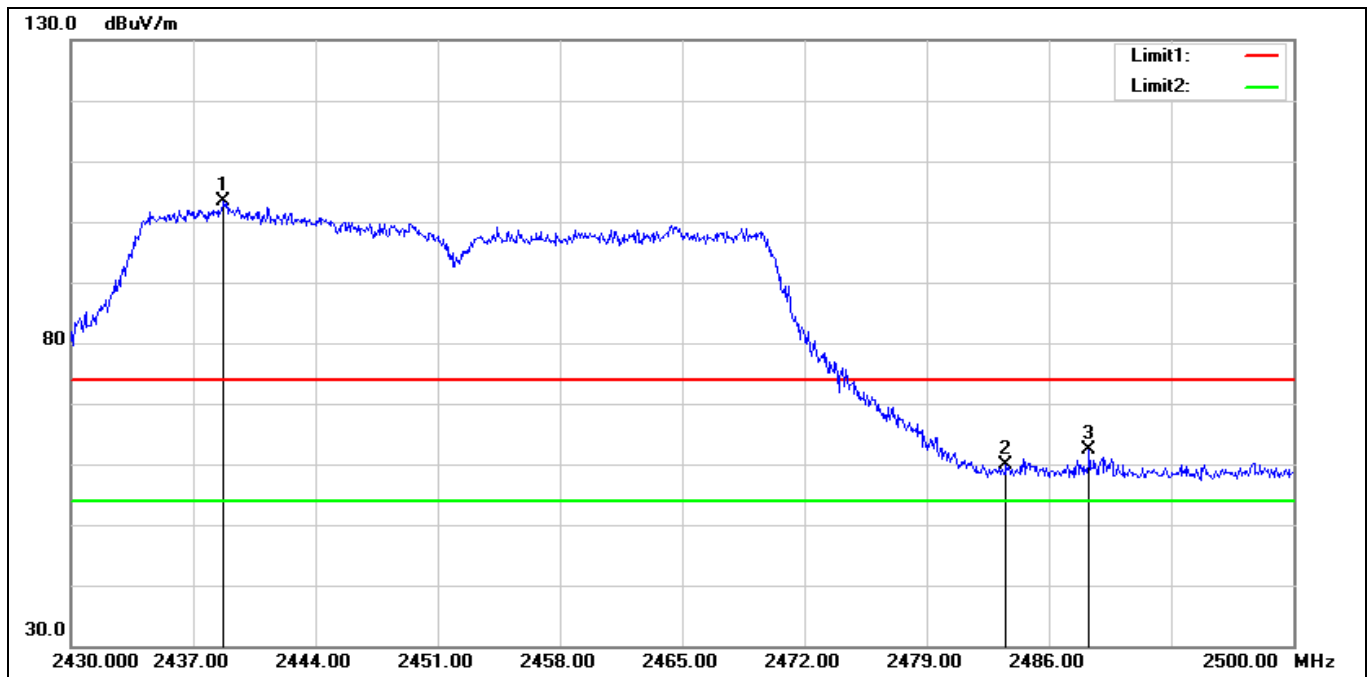
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.960	69.08	-6.18	62.90	74.00	-11.10	peak
2	2390.000	66.45	-6.19	60.26	74.00	-13.74	peak
3*	2429.140	102.17	-6.32	95.85	74.00	21.85	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT40 2422 MHz		
Remark:			



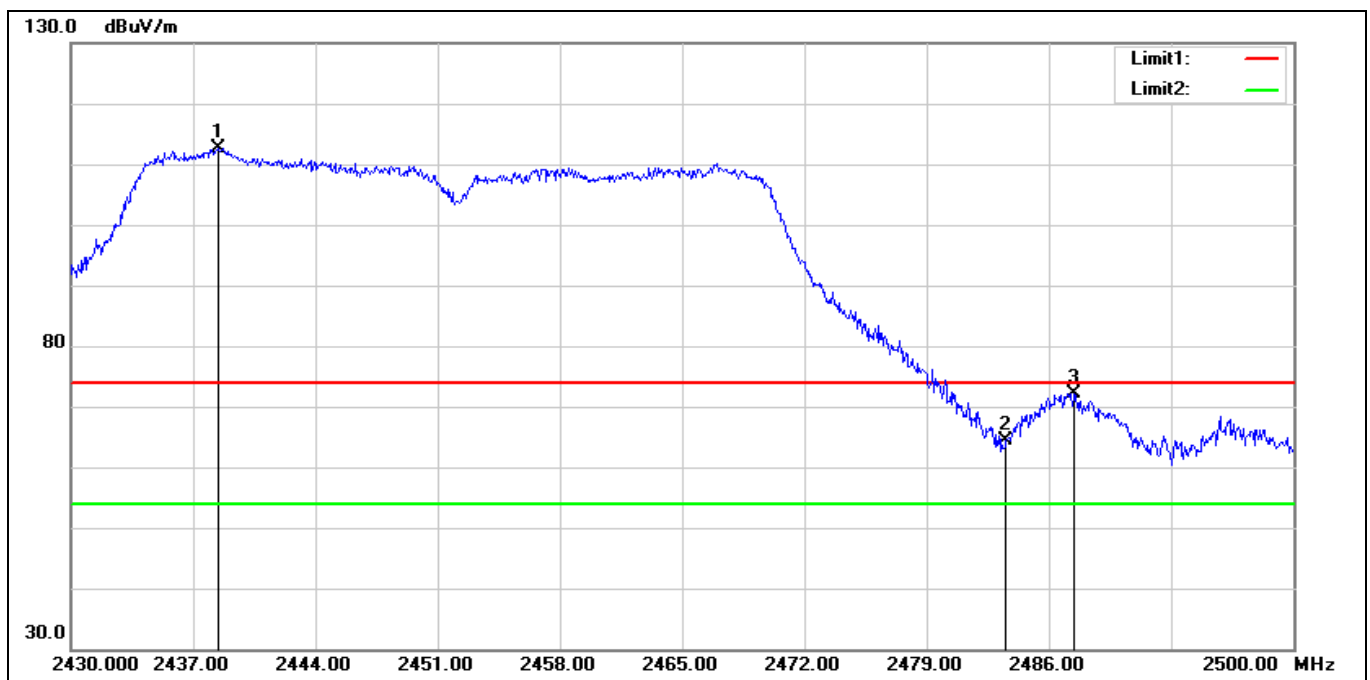
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2387.420	78.44	-6.17	72.27	74.00	-1.73	peak
2	2390.000	74.18	-6.19	67.99	74.00	-6.01	peak
3*	2428.720	112.66	-6.31	106.35	74.00	32.35	peak

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT40 2452 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2438.750	109.67	-6.35	103.32	74.00	29.32	peak
2	2483.500	66.29	-6.46	59.83	74.00	-14.17	peak
3	2488.310	68.86	-6.47	62.39	74.00	-11.61	peak

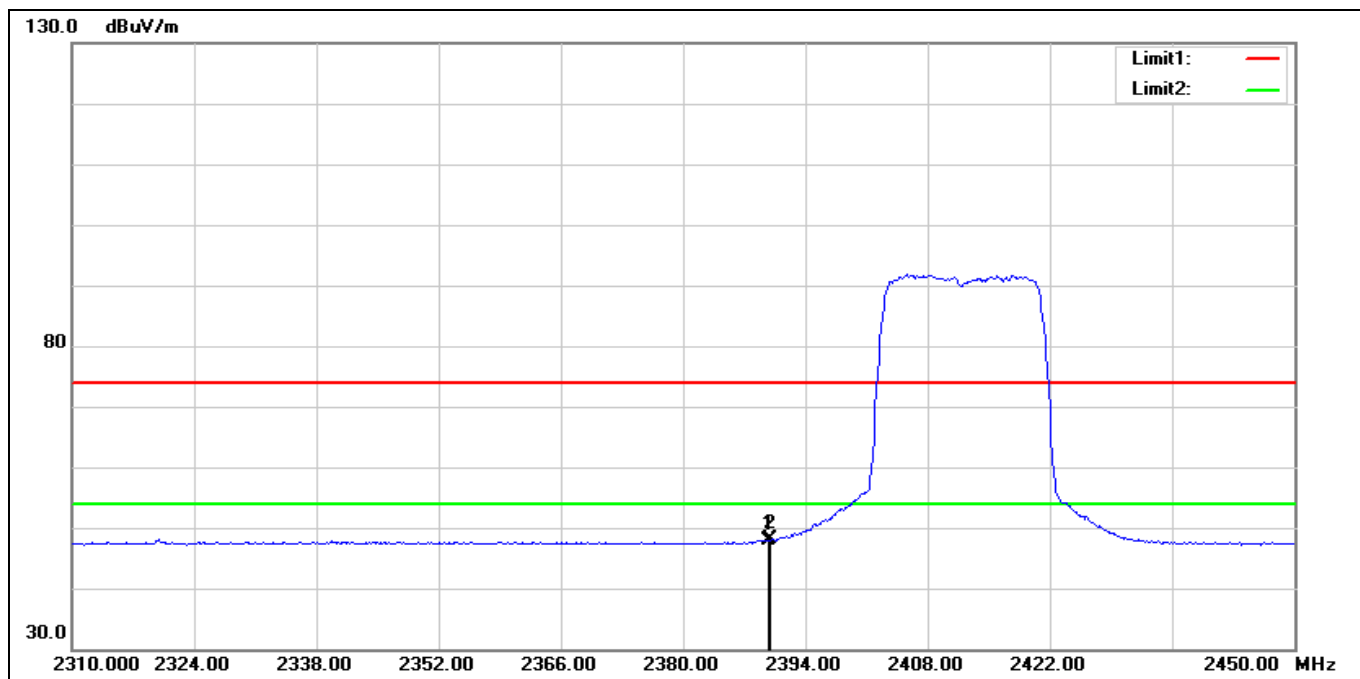
Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT40 2452 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2438.470	119.08	-6.34	112.74	74.00	38.74	peak
2	2483.500	70.93	-6.46	64.47	74.00	-9.53	peak
3	2487.470	78.69	-6.47	72.22	74.00	-1.78	peak

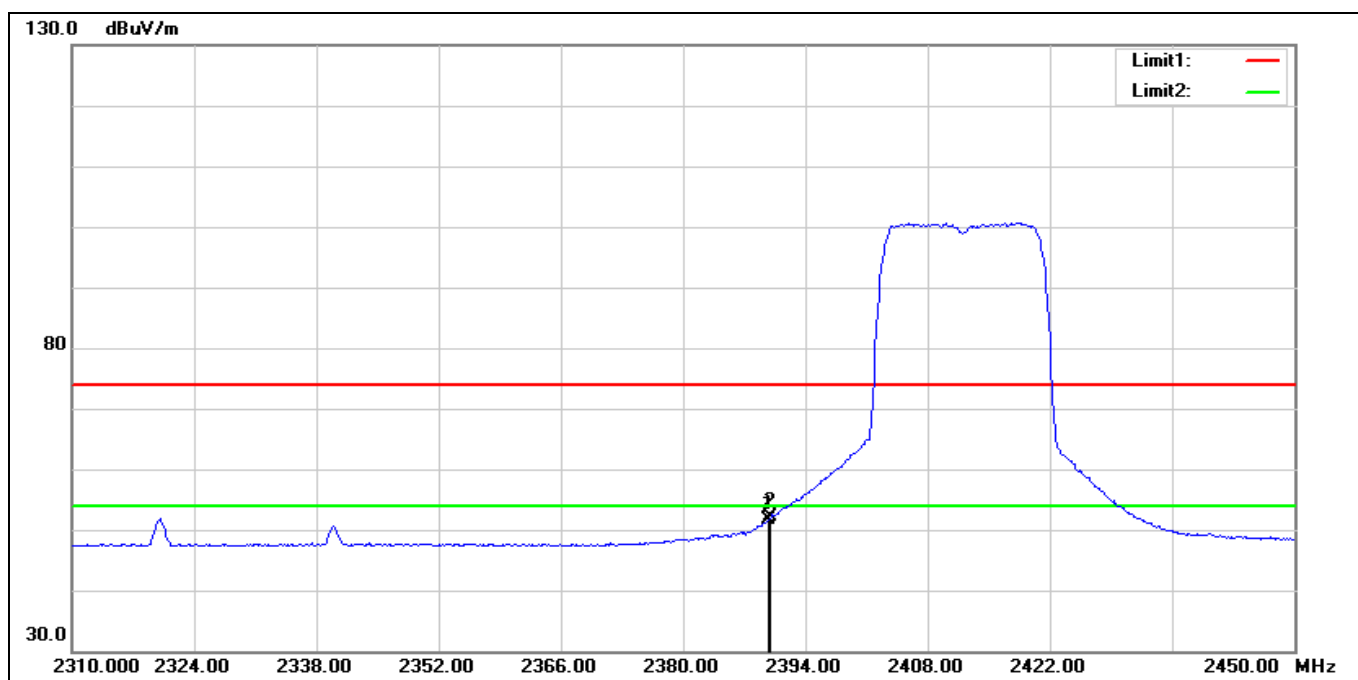
Average

Standard: Part 15.247 Test Site: 966 Chamber
Polarization: Horizontal
Test Mode: 802.11n HT20 2412 MHz
Remark:



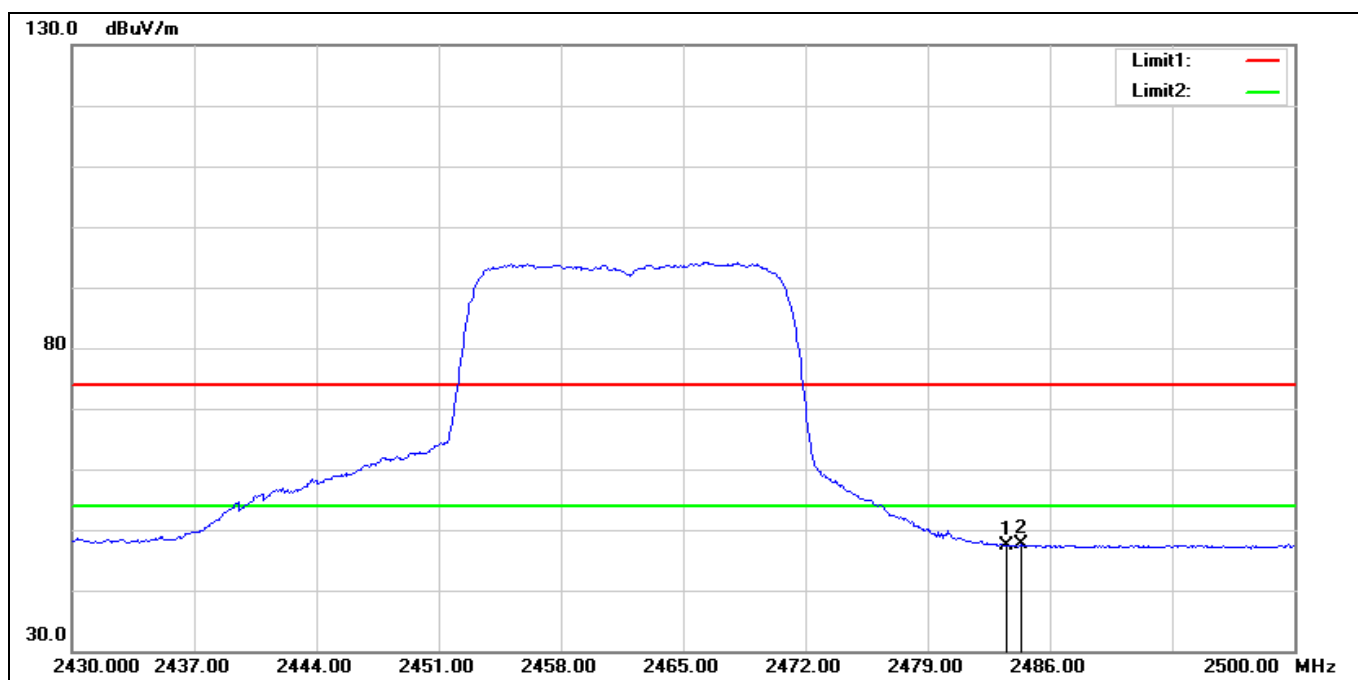
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.800	54.19	-6.19	48.00	54.00	-6.00	AVG
2*	2390.000	54.25	-6.19	48.06	54.00	-5.94	AVG

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2412 MHz		
Remark:			



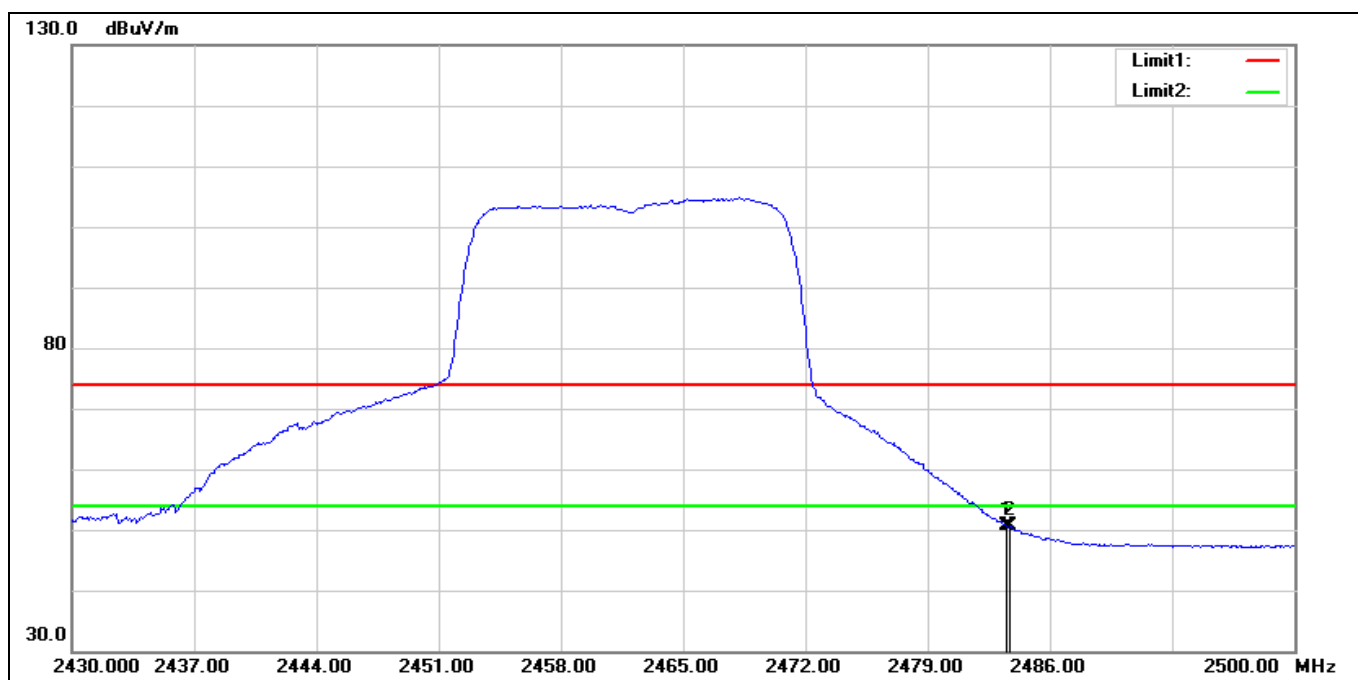
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.800	57.73	-6.19	51.54	54.00	-2.46	AVG
2*	2390.000	58.40	-6.19	52.21	54.00	-1.79	AVG

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2462 MHz		
Remark:			



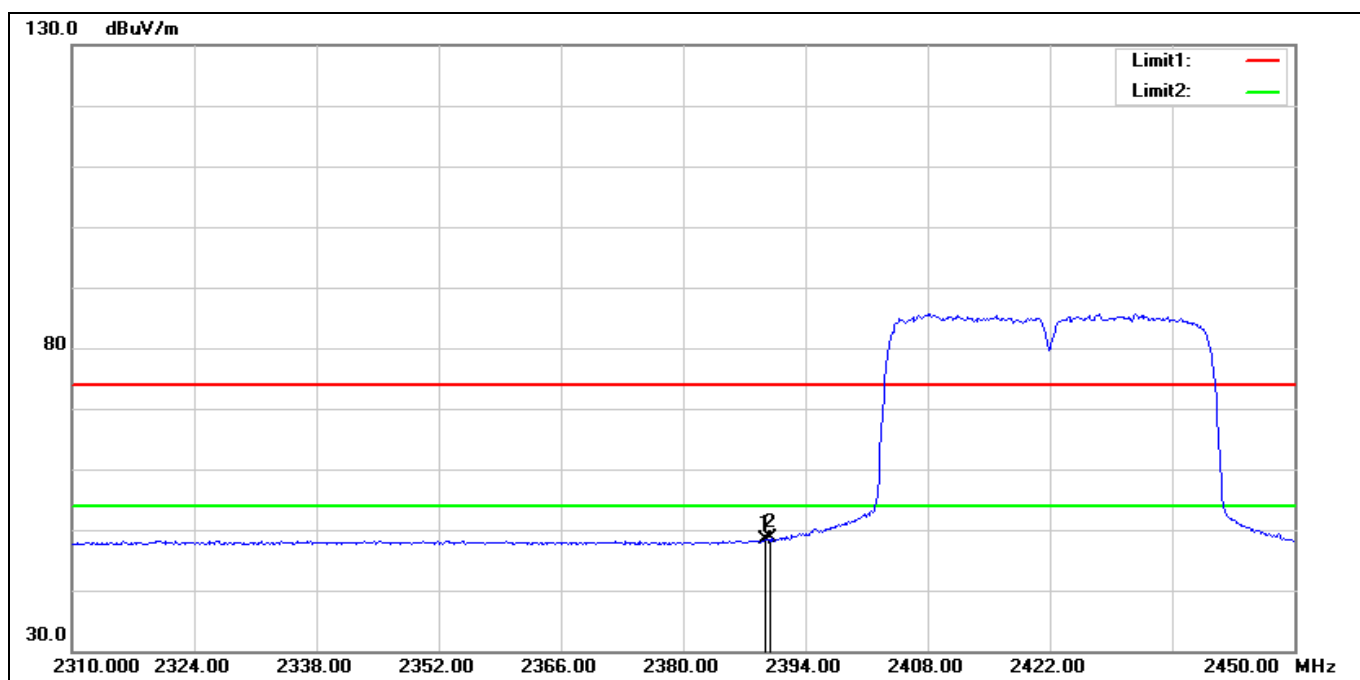
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	53.94	-6.46	47.48	54.00	-6.52	AVG
2*	2484.320	54.06	-6.47	47.59	54.00	-6.41	AVG

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2462 MHz		
Remark:			



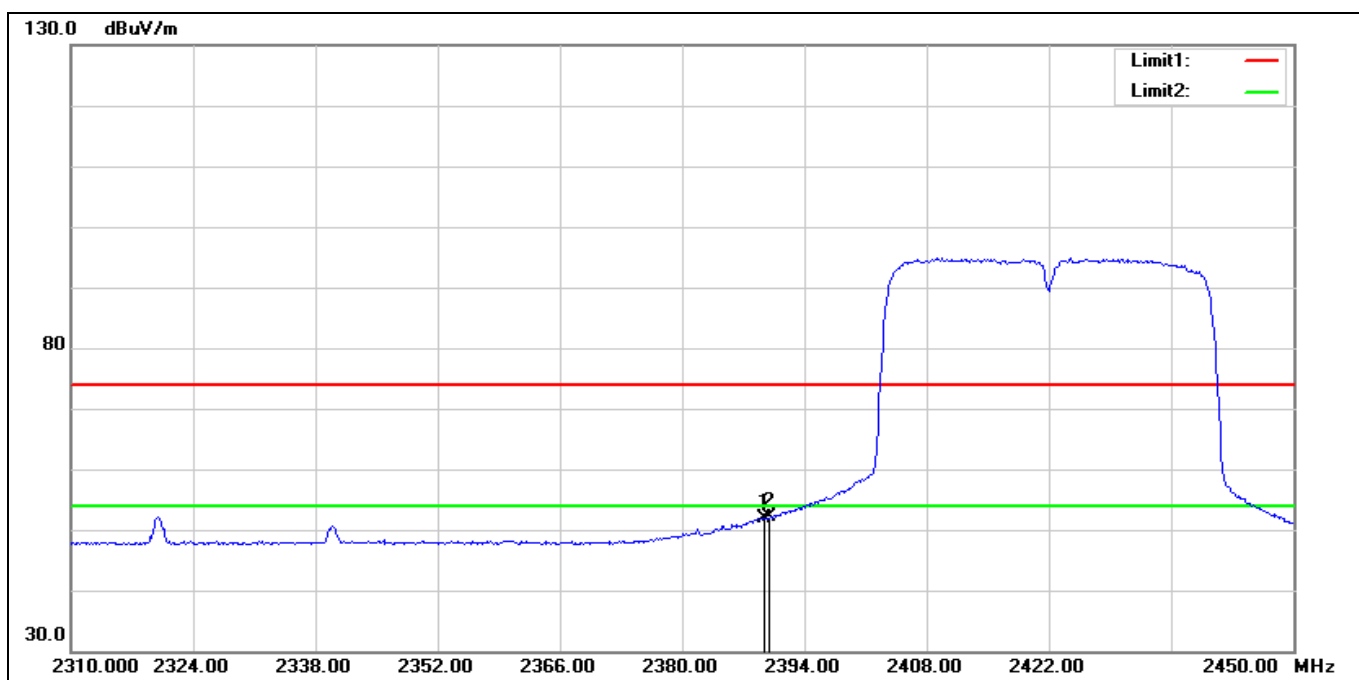
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2483.500	57.11	-6.46	50.65	54.00	-3.35	AVG
2	2483.690	57.02	-6.46	50.56	54.00	-3.44	AVG

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT40 2422 MHz		
Remark:			



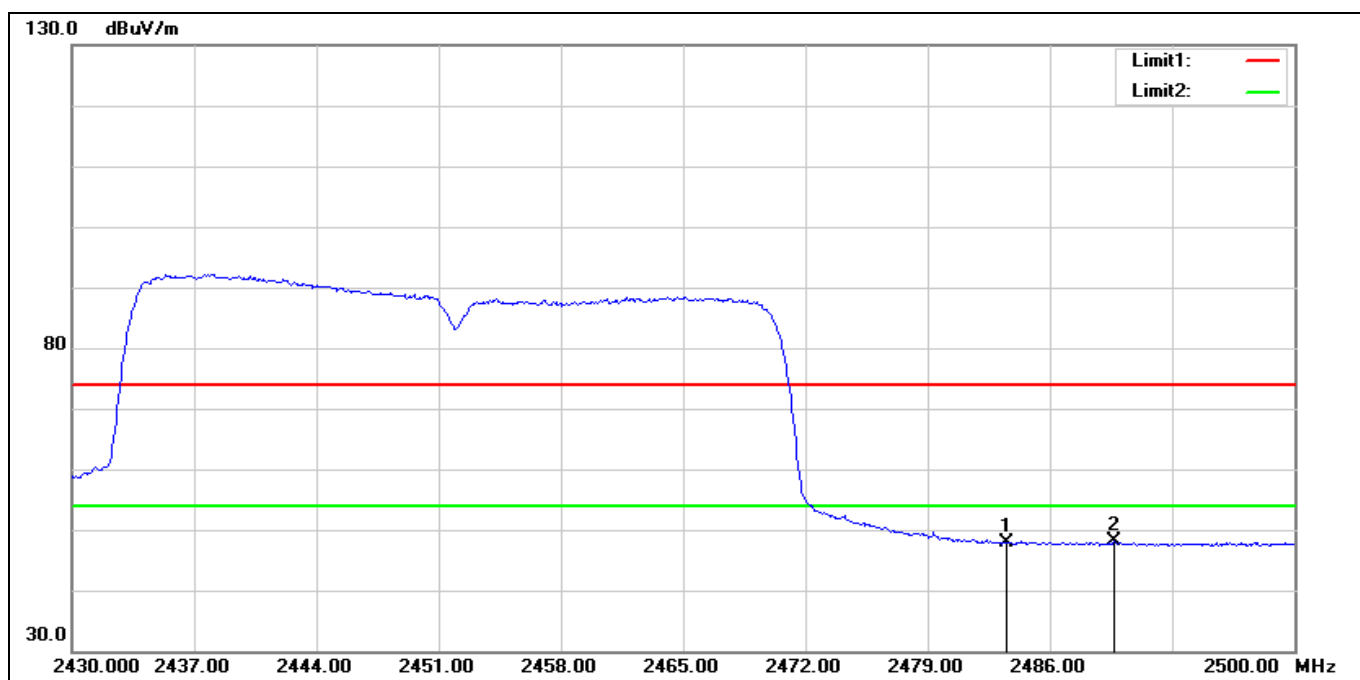
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.380	54.68	-6.19	48.49	54.00	-5.51	AVG
2*	2390.000	54.71	-6.19	48.52	54.00	-5.48	AVG

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT40 2422 MHz		
Remark:			



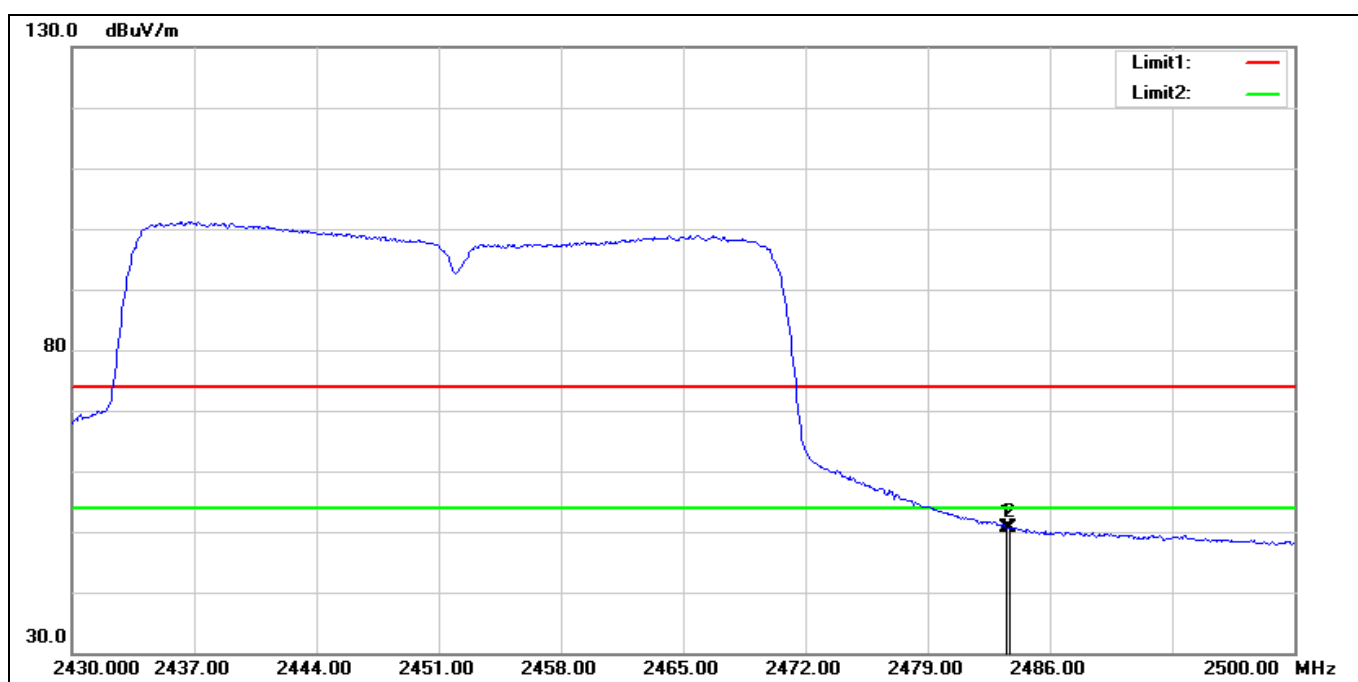
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.380	58.16	-6.19	51.97	54.00	-2.03	AVG
2*	2390.000	58.32	-6.19	52.13	54.00	-1.87	AVG

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT40 2452 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	54.31	-6.46	47.85	54.00	-6.15	AVG
2*	2489.710	54.64	-6.48	48.16	54.00	-5.84	AVG

Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT40 2452 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	57.09	-6.46	50.63	54.00	-3.37	AVG
2*	2483.690	57.18	-6.46	50.72	54.00	-3.28	AVG

---END---