

RF Test Report

Applicant : Yun yun AI Baby camera Co., Ltd.

Product Name : CuboAi Smart Baby Monitor 3

Trade Name : CuboAi

Model Number : Swallow

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

Received Date : Jul. 01, 2024

Test Period : Jul. 30, 2024 ~ Aug. 29, 2024

Issued Date : Sep. 11, 2024

Issued by

Eurofins E&E Wireless Taiwan Co., Ltd.
No. 140-1, Changan Street, Bade District,
Taoyuan City 334025, Taiwan (R.O.C.)
Tel : +886-3-2710188 / Fax : +886-3-2710190



Taiwan Accreditation Foundation accreditation number: 1330
Frequency Range: 9 kHz to 325 GHz
Bade test site :
Test Firm Registration Number: 226252
Test Firm Designation Number: TW0010
Wugu test site :
Test Firm Registration Number: 191812
Test Firm Designation Number: TW0034

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

Rev.	Issued Date	Description	Revised by
00	Sep. 11, 2024	Initial Issue	Abby Huang

Verification of Compliance

Applicant : Yun yun AI Baby camera Co., Ltd.

Product Name : CuboAi Smart Baby Monitor 3

Trade Name : CuboAi

Model Number : Swallow

FCC ID : 2AQLWYYCBV4

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.
No. 140-1, Changan Street, Bade District,
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 : _____

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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	Uncertainty				
		BD		WG		
Conducted Emission	150 kHz ~ 30 MHz	2.7 dB		2.6 dB		
Conducted Output Power		1.1 dB		1.1 dB		
RF Bandwidth		4.5 %		4.5 %		
Power Spectral Density		1.1 dB		1.1 dB		
Duty Cycle		0.3 %		0.3 %		
Test Item	Frequency	Uncertainty				
		96601-BD	96603-BD	96602-WG	96603-WG	96604-WG
Radiated Emission	9 kHz ~ 30 MHz	1.8 dB	1.8 dB	1.9 dB	1.9 dB	1.9 dB
	30 MHz ~ 1000 MHz	4.7 dB	4.7 dB	4.7 dB	4.7 dB	4.5 dB
	1000 MHz ~ 18000 MHz	4.7 dB	4.8 dB	4.6 dB	4.7 dB	5.1 dB
	18000 MHz ~ 26500 MHz	4.0 dB	4.1 dB	3.9 dB	4.1 dB	4.3 dB
	26500 MHz ~ 40000 MHz	4.2 dB	4.2 dB	4.2 dB	4.2 dB	4.6 dB

1.4. Test Site Environment

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

(*)The measurement ambient temperature is within this range.

2 EUT Description

The product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity(except Max. RF Output Power).

Applicant	Yun yun AI Baby camera Co., Ltd. 19F.-4, No. 2, Ln. 150, Sec. 5, Xinyi Rd. Xinyi Dist., Taipei City 110049, Taiwan (R.O.C.)			
Product Name	CuboAi Smart Baby Monitor 3			
Trade Name	CuboAi			
Model Number	Swallow			
FCC ID	2AQLWYYCBV4			
Operate Freq. Band	Frequency Range (MHz)	Modulation	Channel Bandwidth	Data Rate (ns)
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 (64QAM)	20 MHz	MCS7
Antenna information	ANT	Model Number	Type	Max. Gain (dBi)
	ANT-0	RFFPA401811IMLB401	FPC antenna	2.84
Antenna Delivery	See section 3.1			
Operate Temp. Range	0 ~ +45 °C			
EUT Power Rating	5 Vdc, 2 A			

Frequency Band	Max. RF Output Power (W)
802.11b	0.103
802.11g	0.119
802.11n HT20	0.112

BW 20M	CH	1	2	3	4	5	6	7	8	9	10	11	12	13
	Freq. (MHz)	2412	2417	2422	2427	2432	2437	2442	2447	2452	2457	2462	---	---

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:

Pre-Test Mode	Final-Test Mode
Transmit Mode	V
802.11b	V
802.11g	V
802.11n HT20	V

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 and Z) 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
802.11b	V
802.11g	V
802.11n HT20	V

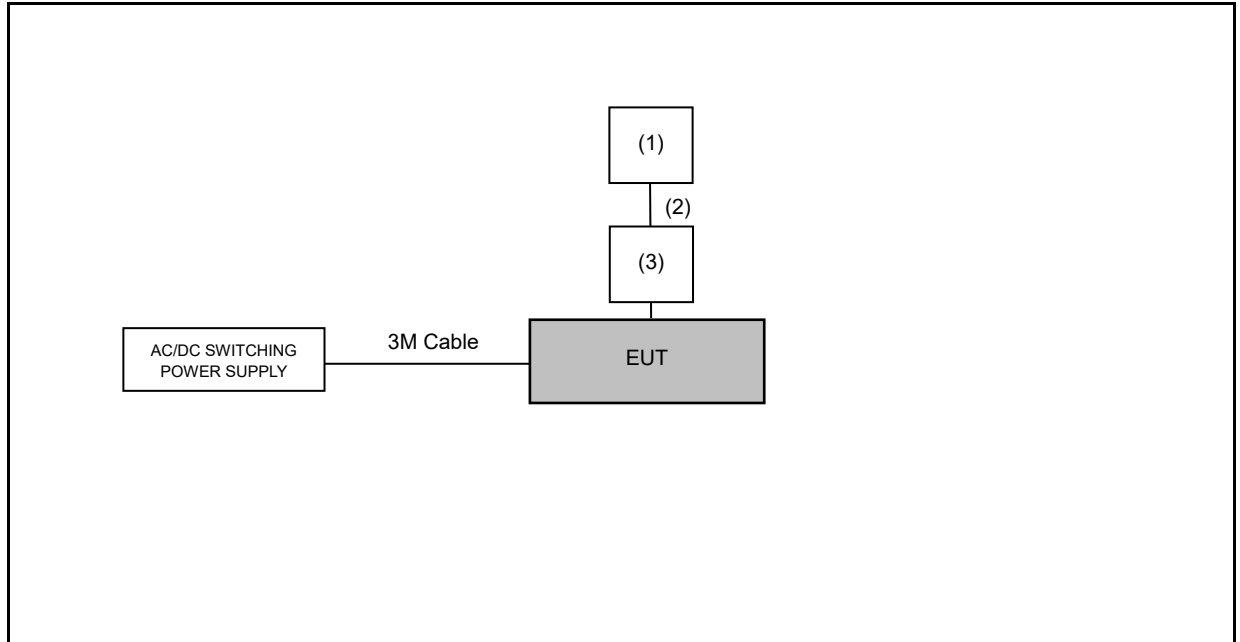
Test Mode	Antenna Delivery	Data Rate (Mbps)	Test Channel
802.11b	1TX	1	1, 6, 11
802.11g	1TX	6	1, 2, 3, 4, 5, 6, 8, 9, 10, 11
802.11n HT20	1TX	6.5	1, 2, 3, 4, 6, 9, 10, 11

3.2. EUT Test Step

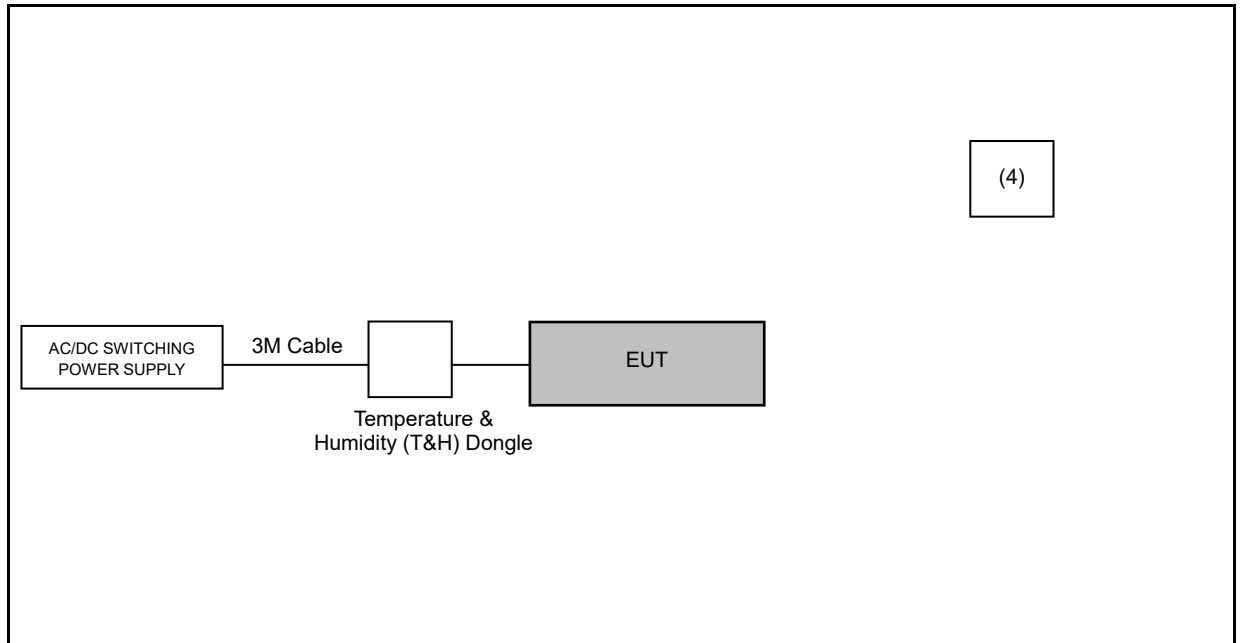
1.	Setup the EUT shown on "Configuration of Test System Details".
2.	Turn on the power of all equipment.
3.	Turn on TX function.
4.	EUT run test program.

3.3. Configuration of Test System Details

Radiated Emissions



Conduction Emission



Devices Description					
	Product	Manufacturer	Model Number	Serial Number	Power Cord
(1)	Notebook	HP	TPN-I130	---	---
(2)	UART Cable	Alpha	Swallow	---	---
(3)	UART Dongle	Alpha	Swallow	---	---
(4)	Access Point	ASUS	RT-AX88U	---	---

3.4. Test Instruments

For Conducted Emission
 Test Period: Aug. 22, 2024
 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 21, 2024	1 year
☐	Test Receiver	R&S	ESCI	100722	Oct. 26, 2023	1 year
☐	Test Receiver	R&S	ESCI	101000	Nov. 23, 2023	1 year
☒	LISN	R&S	ENV216	101040	Mar. 21, 2024	1 year
☐	LISN	R&S	ENV216	101140	Jan. 15, 2024	1 year
☒	RF Cable	Woken	00100D1380194M	TE-02-03	Jun. 05, 2024	1 year
☒	Software	EZ EMC	1.1.4.3	N/A	N.C.R.	---

☒ means with testing used ;
☐ means without testing used

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

For Conducted

Test Period: Jul. 30, 2024 ~ Aug. 29, 2024

Testing Engineer: Andy Lu

Test Site		RF01-BD				
Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
☒	Power Sensor	Anritsu	MA2411B	1126022	Aug. 31, 2023	1 year
☒	Power Meter	Anritsu	ML2495A	1135009	Aug. 31, 2023	1 year
☐	Power Sensor	Agilent	N1921A	MY45241957	Nov. 29, 2023	1 year
☐	Power Meter	Agilent	N1911A	MY45101619	Nov. 29, 2023	1 year
☒	Spectrum Analyzer (10 Hz~26.5 GHz)	Keysight	N9010B	MY59071418	Mar. 15, 2024	1 year
☐	Spectrum Analyzer (20 Hz~26.5 GHz)	Agilent	N9020A	US47520902	Sep. 04, 2023	1 year
☐	Spectrum Analyzer (3 Hz~50 GHz)	Agilent	N9030A	MY53120541	Dec. 27, 2023	1 year
☐	Signal Analyzer	Keysight	N9010B	MY63460166	Mar. 06, 2024	1 year
☐	Temperature & Humidity Chamber	TAICHY	MHU-225LA	980729	Mar. 28, 2024	1 year
☐	Signal Generator	Keysight	N5182B	MY53052569	Apr. 18, 2024	1 year
☐	Signal Generator	Keysight	N5182BX07	MY59360221	Apr. 18, 2024	1 year
☐	MXF-G-B RF Vector Signal Generator	Agilent	N5182B	MY53050382	May 22, 2024	1 year
☐	Bluetooth Tester	R&S	CBT	100350	Mar. 20, 2023	2 years
☐	Power Supply	KEITHLEY	2303	4045290	Jan. 04, 2024	1 year

☒ means with testing used ;

☐ means without testing used

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

For Radiated Emissions

Test Period: Aug. 05, 2024 ~ Aug. 28, 2024

Testing Engineer: Eason Lee

Test Site		96603-BD				
Radiation test sites		Semi Anechoic Room				
Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
☐	Spectrum Analyzer (10 Hz~44 GHz)	Keysight	N9010A	MY52221312	Jan. 04, 2024	1 year
☐	Spectrum Analyzer (3 Hz~50 GHz)	Agilent	N9030A	MY53120541	Dec. 27, 2023	1 year
☒	Spectrum Analyzer (10 Hz~44 GHz)	Keysight	N9020B	MY60112363	Jan. 10, 2024	1 year
☒	Amplifier (100 kHz~1.3 GHz)	Agilent	8447D	2944A11119	Jan. 10, 2024	1 year
☐	Amplifier (1 GHz~26.5 GHz)	Agilent	8449B	3008A02237	Oct. 31, 2023	1 year
☒	Pre Amplifier (1~26.5 GHz)	Agilent	8449B	3008A02455	Jul. 10, 2024	1 year
☒	Preamplifier (26.5 GHz~40 GHz)	EMCI	EMC2654045	980028	Sep. 01, 2023	1 year
☒	Loop Antenna (9 kHz~30 MHz)	COM-POWER CORPORATION	AL-130	121014	Mar. 27, 2024	1 year
☐	Active Loop Antenna (9 kHz~30 MHz)	Schwarzbeck Mess-Elektronik	FMZB 1513-60	1513-60-031	Feb. 23, 2024	1 year
☒	Trilog Broadband Antenna (30 kHz~1 GHz)	Schwarzbeck Mess-Elektronik	VULB9168	01146	Jun. 28, 2024	1 year
☐	Trilog Broadband Antenna (30 kHz~1 GHz)	Schwarzbeck Mess-Elektronik	VULB9168	416	Jun. 14, 2024	1 year
☒	Broadband Horn Antenna (1 GHz~18 GHz)	Schwarzbeck Mess-Elektronik	9120D	02207	Jul. 02, 2024	1 year
☒	Horn Antenna (18 GHz~40 GHz)	ETS	3116	00086467	Dec. 08, 2023	1 year
☒	Coaxial Cable	Titan	T0710AT327A10A100	J11005	Aug. 10, 2023 Aug. 08, 2024	1 year
☒	Coaxial Cable	Titan	T0710AT327A10A900	J11004	Aug. 10, 2023 Aug. 08, 2024	1 year
☒	Coaxial Cable	Titan	CFD400NL-LW	001	Aug. 10, 2023 Aug. 08, 2024	1 year
☐	Bluetooth Tester	R&S	CBT	100350	Mar. 20, 2023	2 years
☐	Power Supply	KEITHLEY	2303	4045290	Jan. 04, 2024	1 year
☒	Software	EZ EMC	1.1.4.4	N/A	N.C.R.	---

☒ means with testing used ;

☐ means without testing used

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

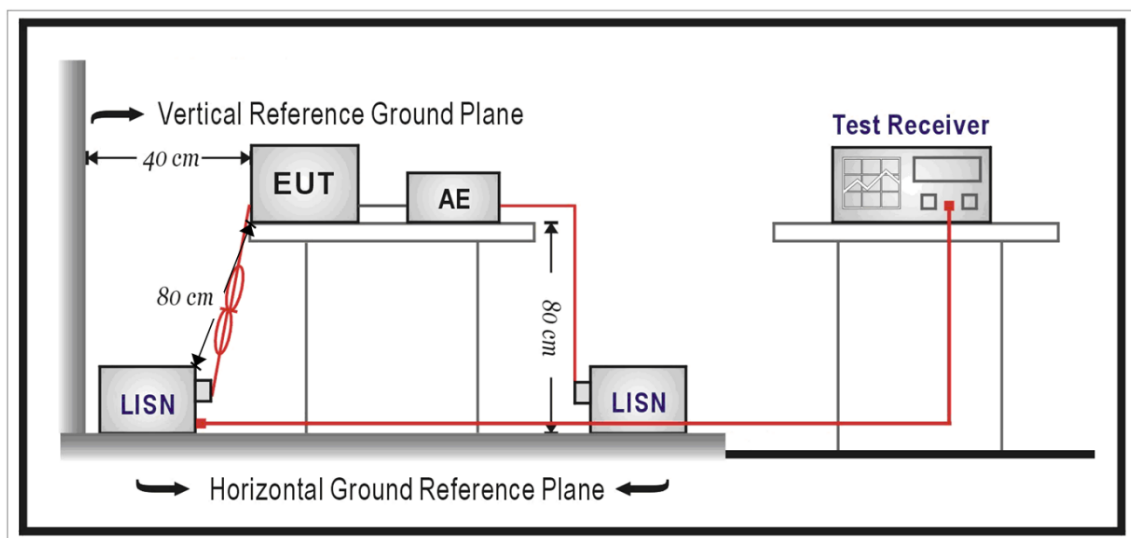
4 Measurement Procedure

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 $50\ \Omega$ 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 $50\ \Omega$ ports of the LISN shall be resistively terminated into $50\ \Omega$ 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

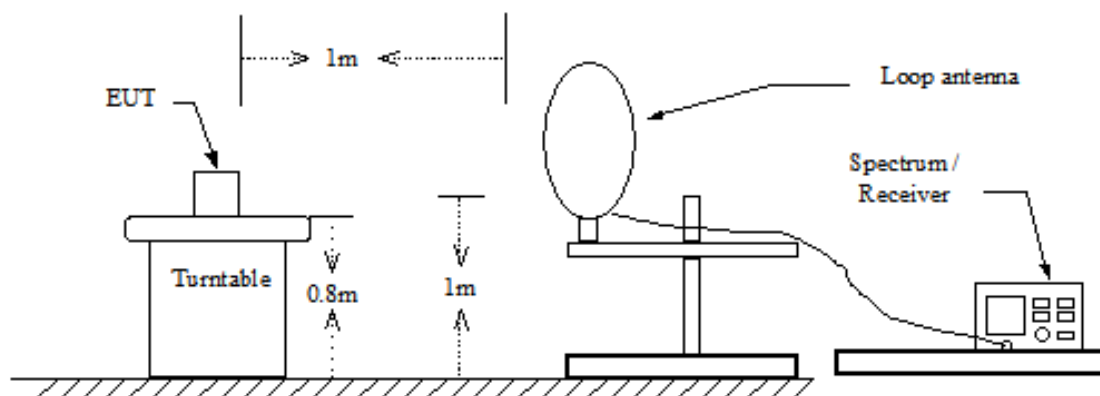
According to §15.209(a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

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

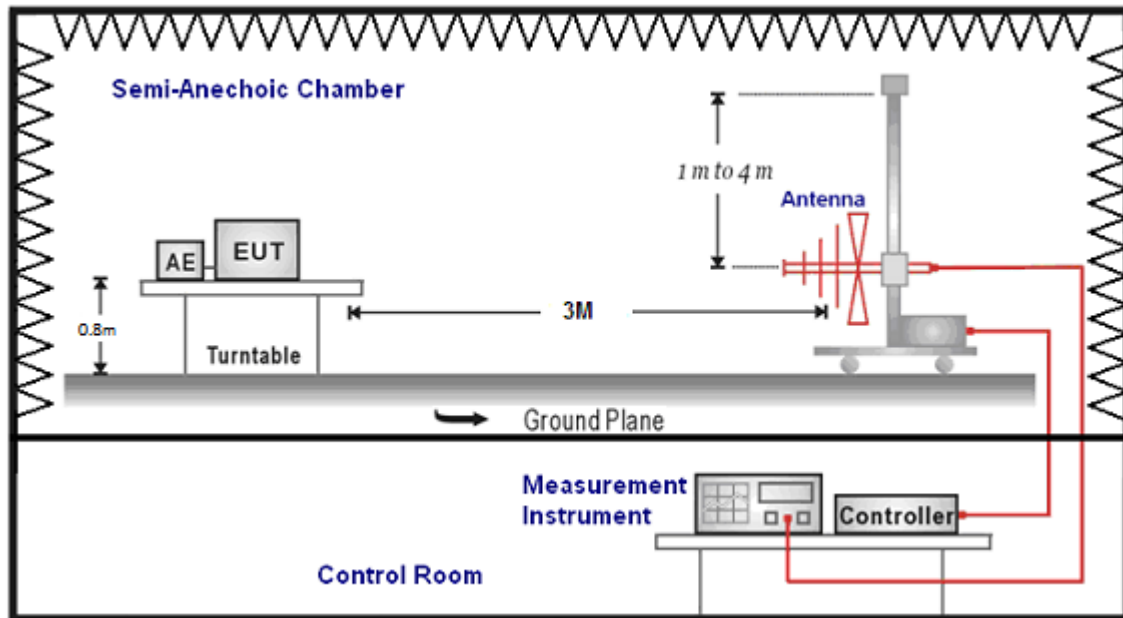
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this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

■ Setup

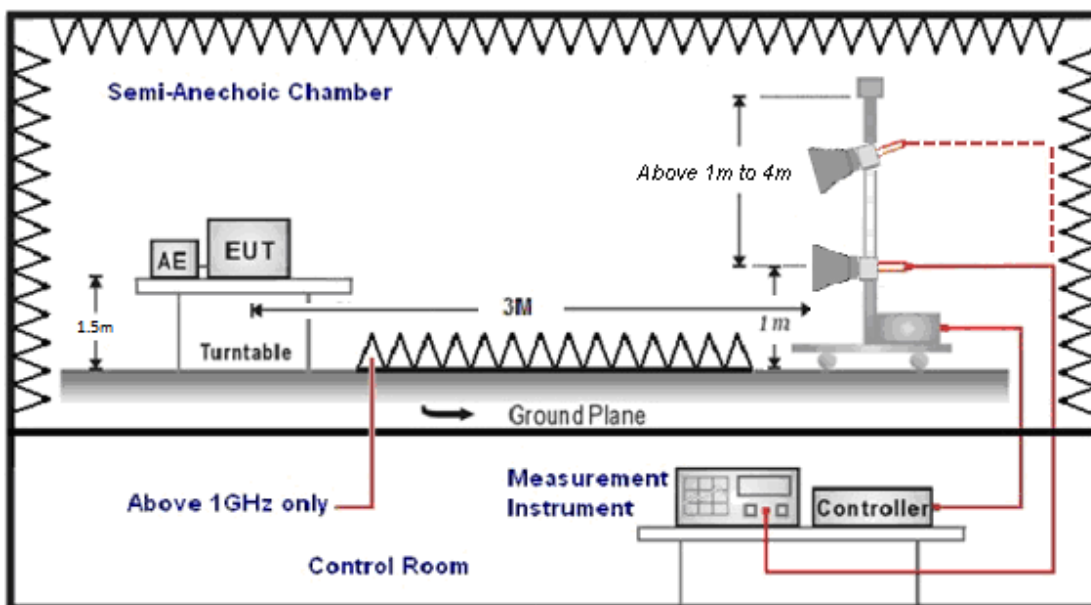
9 kHz ~ 30 MHz



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.

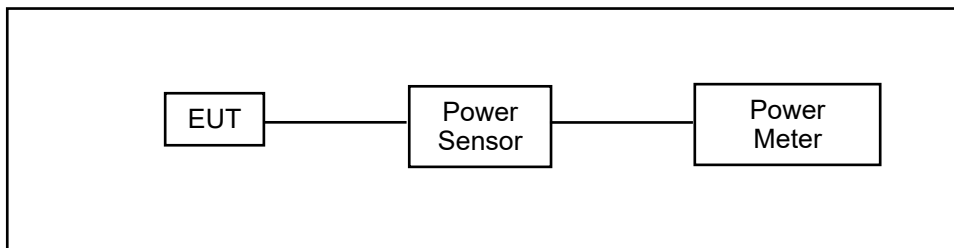
4.3. Maximum Conducted Output Power Measurement

■ 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.

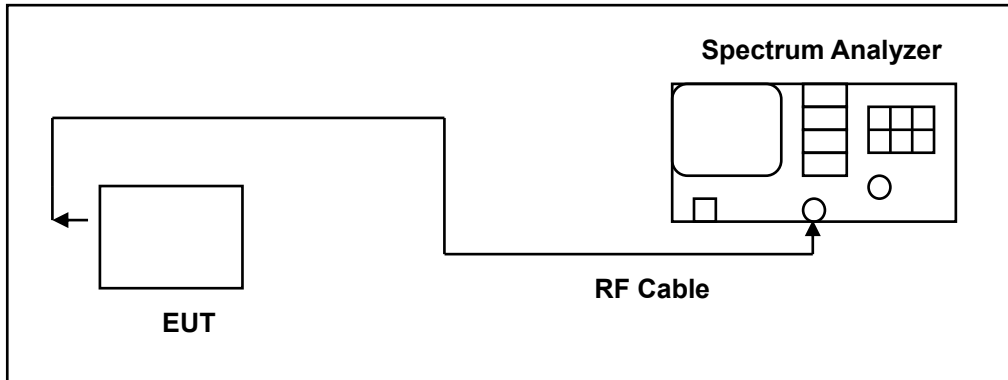
The tests below are run with the EUT's transmitter set at high power in TX mode. The EUT is needed to force selection of output power level and channel number. While testing, EUT was set to transmit continuously. Remove the Subjective device's antenna and connect the RF output port to power sensor.

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.

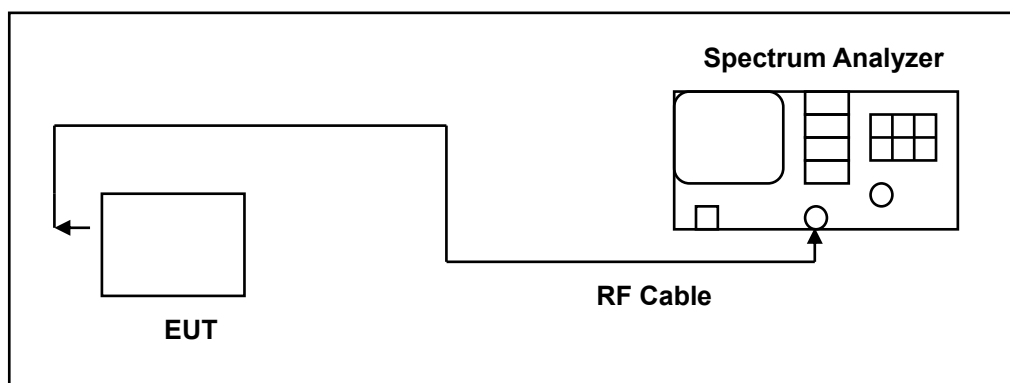
The test was performed at 3 channels (Channel low, middle, high)

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.

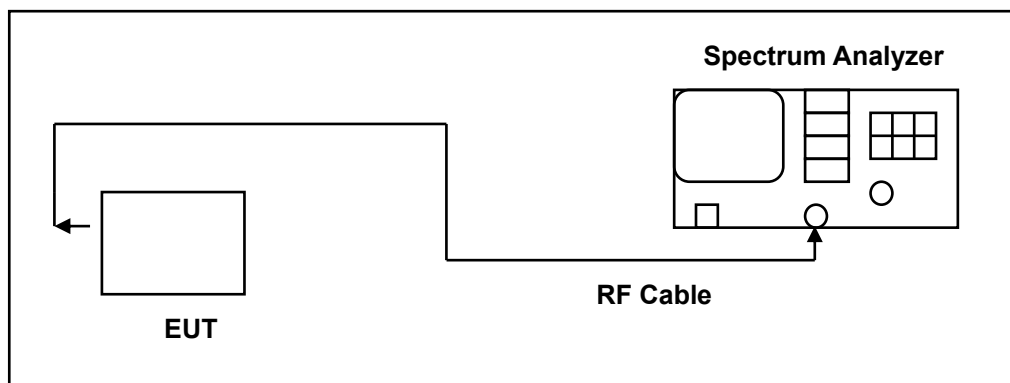
1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the DTS bandwidth.
3. Set the RBW to: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
4. Set the VBW $\geq 3 \times \text{RBW}$.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
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 30 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 30 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.

■ Directional Gain Calculated

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)	Ant-2 (dBi)	Ant-3 (dBi)				
802.11b	Ant-0	2.84	-	-	-	-	-	0.00	0.00
802.11g	Ant-0	2.84	-	-	-	-	-	0.00	0.00
802.11n HT20	Ant-0	2.84	-	-	-	-	-	0.00	0.00

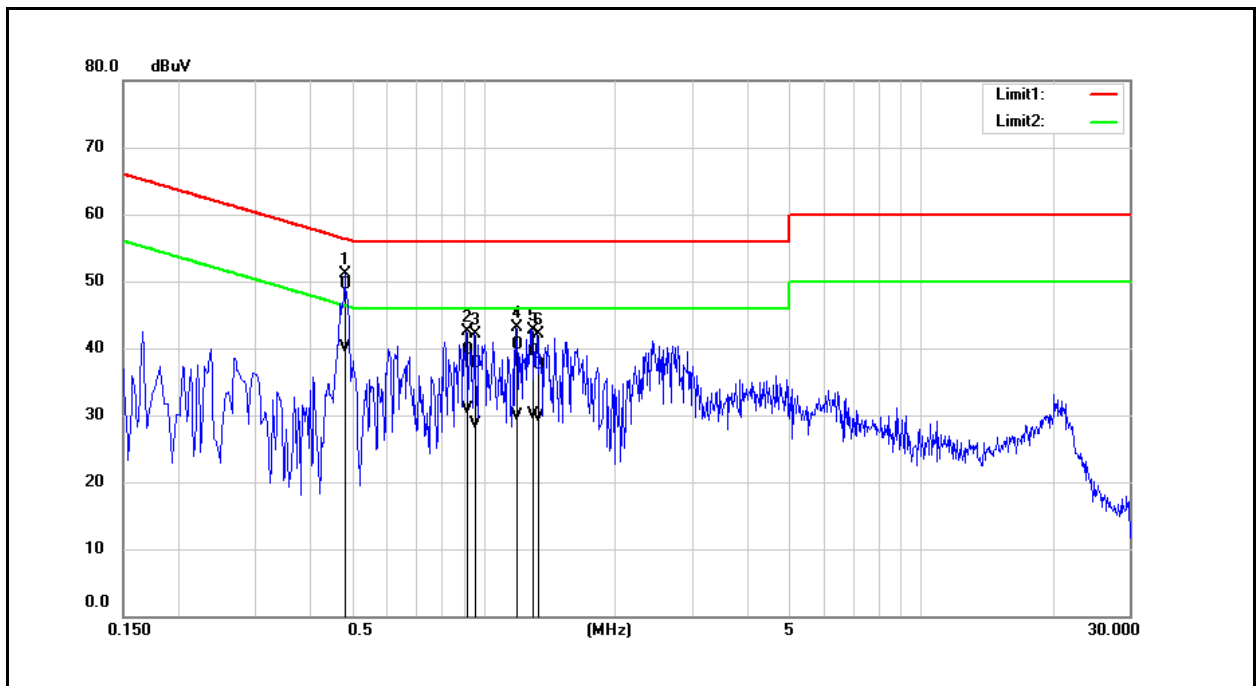
If transmit signals are correlated, then Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / NANT]$

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

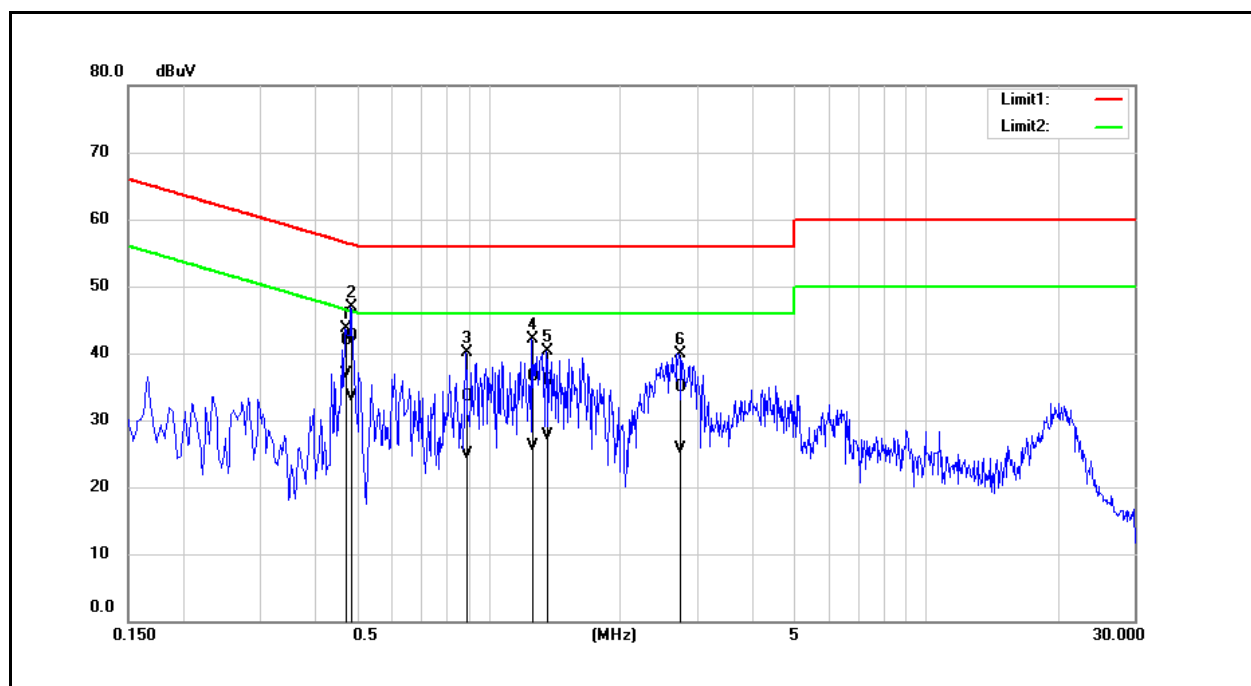


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.4820	39.84	30.55	9.64	49.48	40.19	56.30	46.30	-6.82	-6.11	Pass
2	0.9140	30.06	21.17	9.67	39.73	30.84	56.00	46.00	-16.27	-15.16	Pass
3	0.9540	27.97	18.96	9.67	37.64	28.63	56.00	46.00	-18.36	-17.37	Pass
4	1.1860	30.84	20.25	9.68	40.52	29.93	56.00	46.00	-15.48	-16.07	Pass
5	1.2900	29.76	20.46	9.68	39.44	30.14	56.00	46.00	-16.56	-15.86	Pass
6	1.3300	27.79	20.03	9.68	37.47	29.71	56.00	46.00	-18.53	-16.29	Pass

Note: 1. Result (dBuV) = Correction factor (dB) + Reading(dBuV).

2. Correction factor (dB) = Cable loss (dB) + L.I.S.N. factor (dB).

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



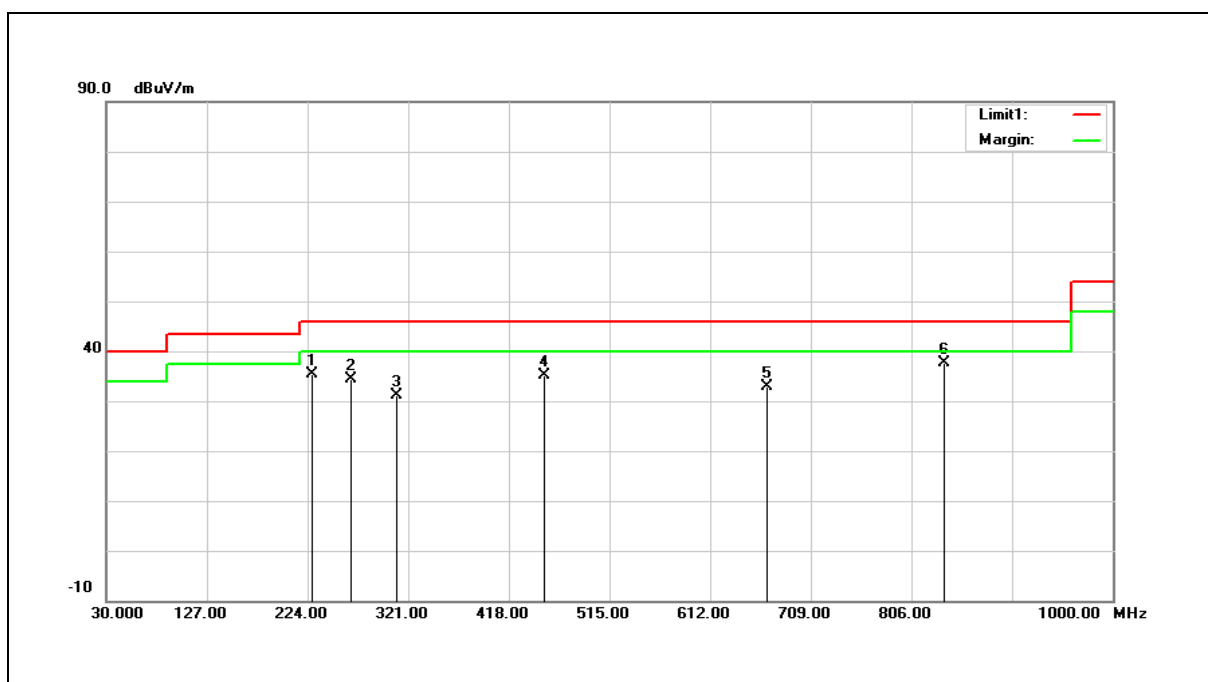
No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.4700	32.22	27.27	9.64	41.86	36.91	56.51	46.51	-14.65	-9.60	Pass
2	0.4860	32.84	23.91	9.64	42.48	33.55	56.24	46.24	-13.76	-12.69	Pass
3	0.8860	23.86	15.30	9.66	33.52	24.96	56.00	46.00	-22.48	-21.04	Pass
4	1.2620	26.75	16.46	9.67	36.42	26.13	56.00	46.00	-19.58	-19.87	Pass
5	1.3580	26.29	17.95	9.67	35.96	27.62	56.00	46.00	-20.04	-18.38	Pass
6	2.7260	25.23	15.90	9.73	34.96	25.63	56.00	46.00	-21.04	-20.37	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. Radiated Emission Measurement

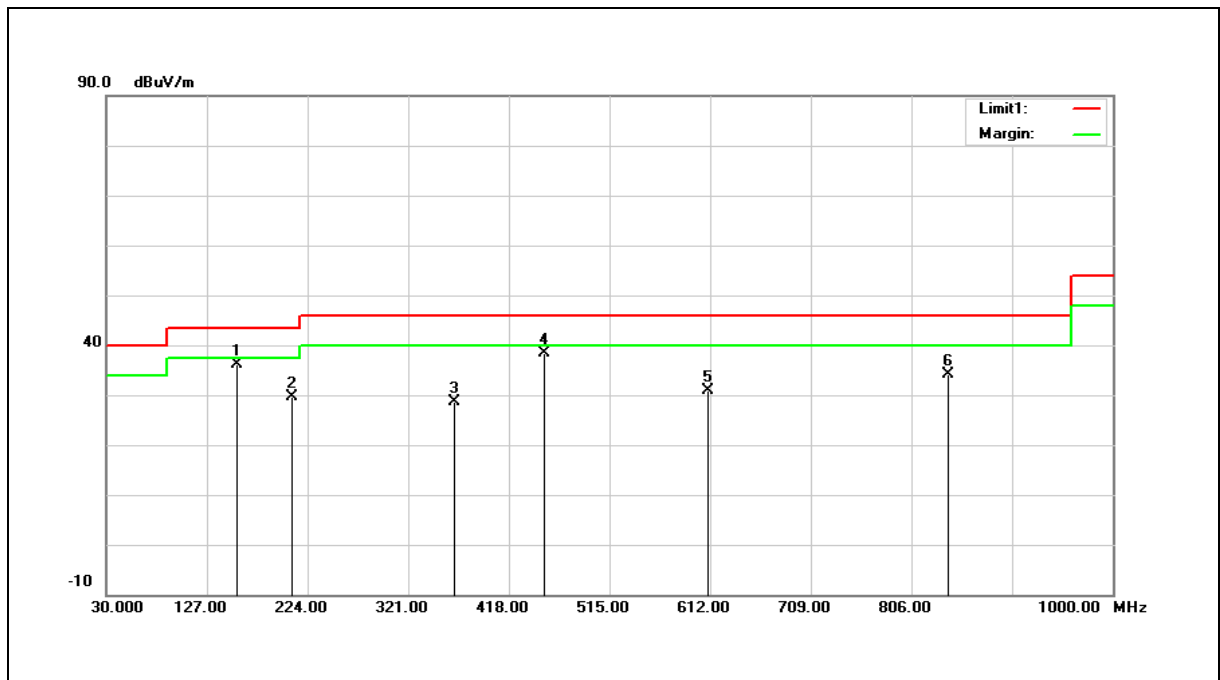
Below 1 GHz

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Radiated Emission		
Frequency:	2412 MHz		
Mode:	802.11b		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	227.8800	43.61	-8.33	35.28	46.00	-10.72	QP
2	265.7100	41.21	-6.77	34.44	46.00	-11.56	QP
3	309.3600	36.79	-5.59	31.20	46.00	-14.80	QP
4	451.9500	37.34	-2.15	35.19	46.00	-10.81	QP
5	666.3200	31.44	1.41	32.85	46.00	-13.15	QP
6*	838.0100	33.07	4.48	37.55	46.00	-8.45	QP

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Radiated Emission		
Frequency:	2412 MHz		
Mode:	802.11b		
Ant.Polar.:	Vertical		

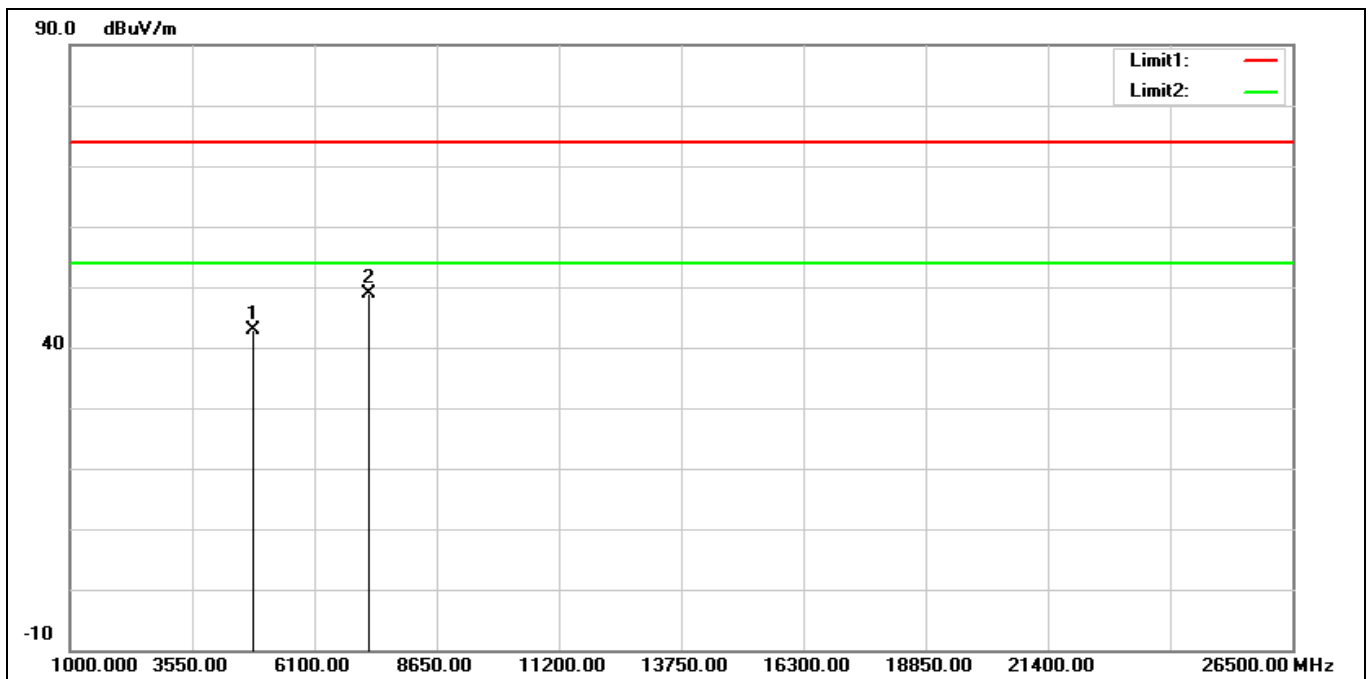


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	156.1000	42.62	-6.45	36.17	43.50	-7.33	QP
2	208.4800	38.80	-9.26	29.54	43.50	-13.96	QP
3	365.6200	32.77	-4.23	28.54	46.00	-17.46	QP
4	451.9500	40.51	-2.15	38.36	46.00	-7.64	QP
5	610.0600	30.33	0.51	30.84	46.00	-15.16	QP
6	840.9200	29.53	4.55	34.08	46.00	-11.92	QP

Harmonic

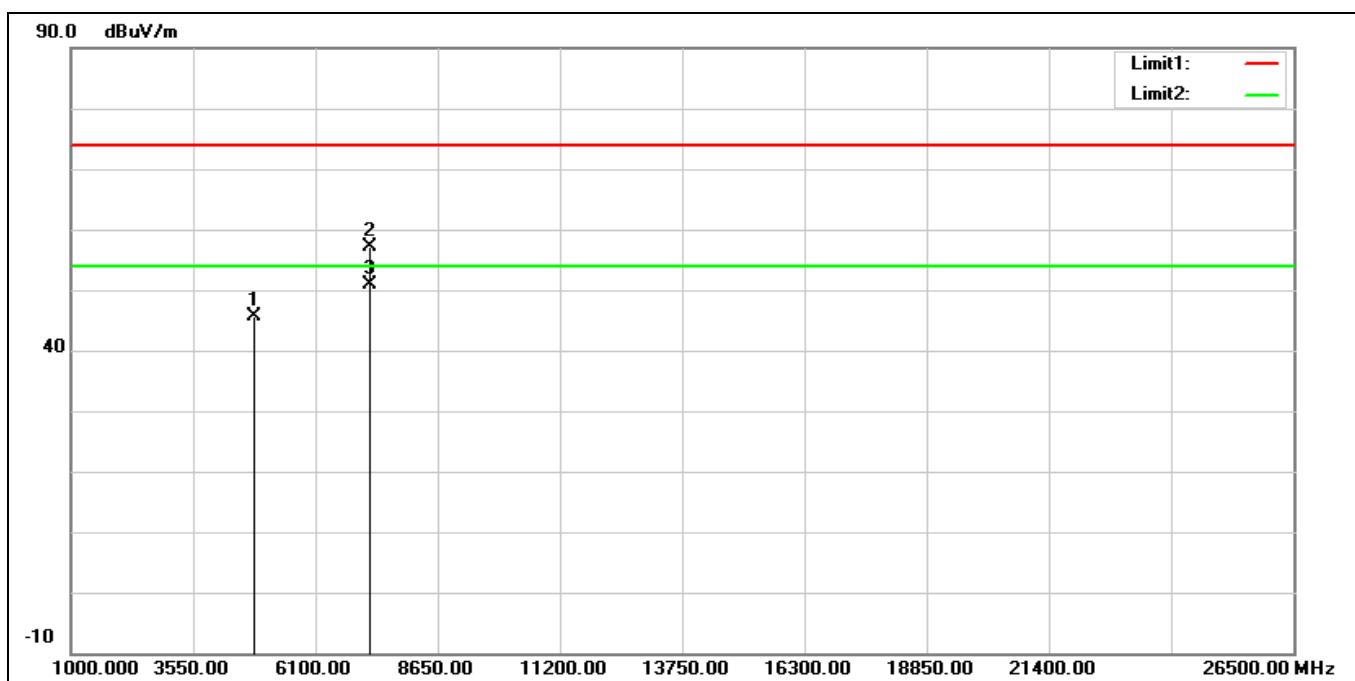
Above 1 GHz

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11b 2412 MHz		
Remark:			



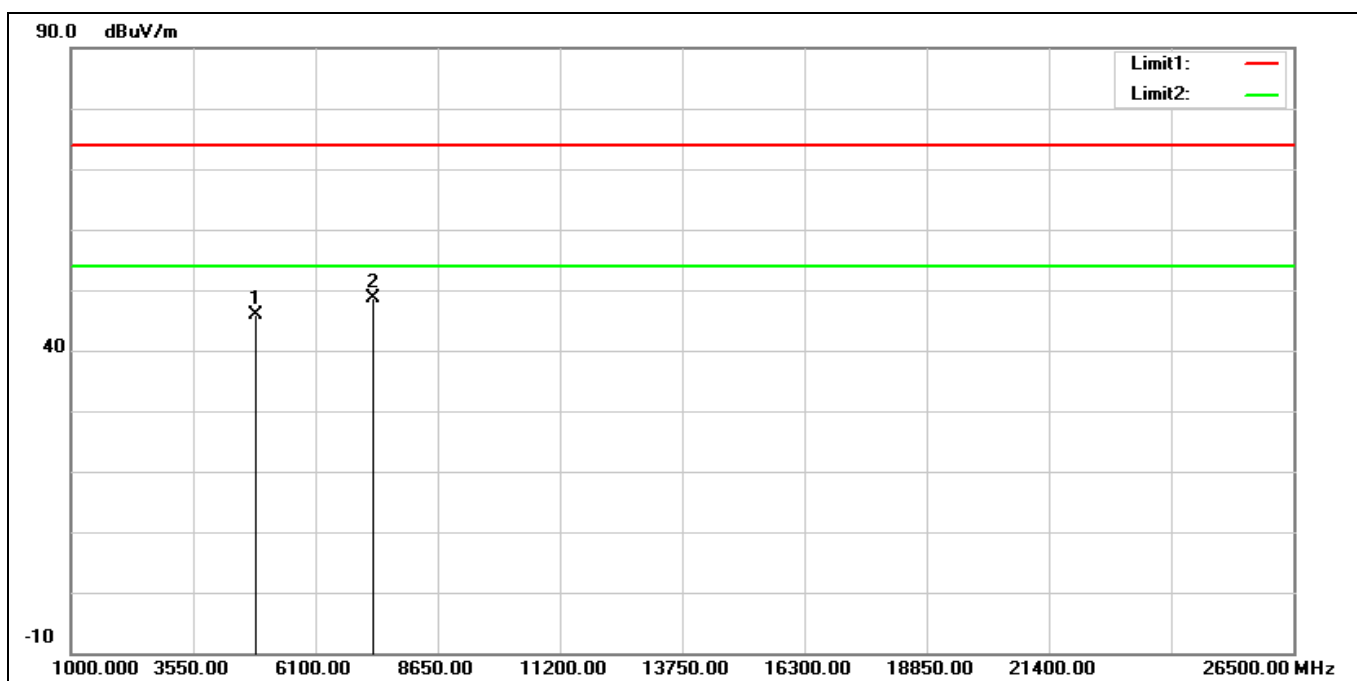
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	39.10	3.71	42.81	74.00	-31.19	peak
2*	7236.000	39.94	8.84	48.78	74.00	-25.22	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11b 2412 MHz		
Remark:			



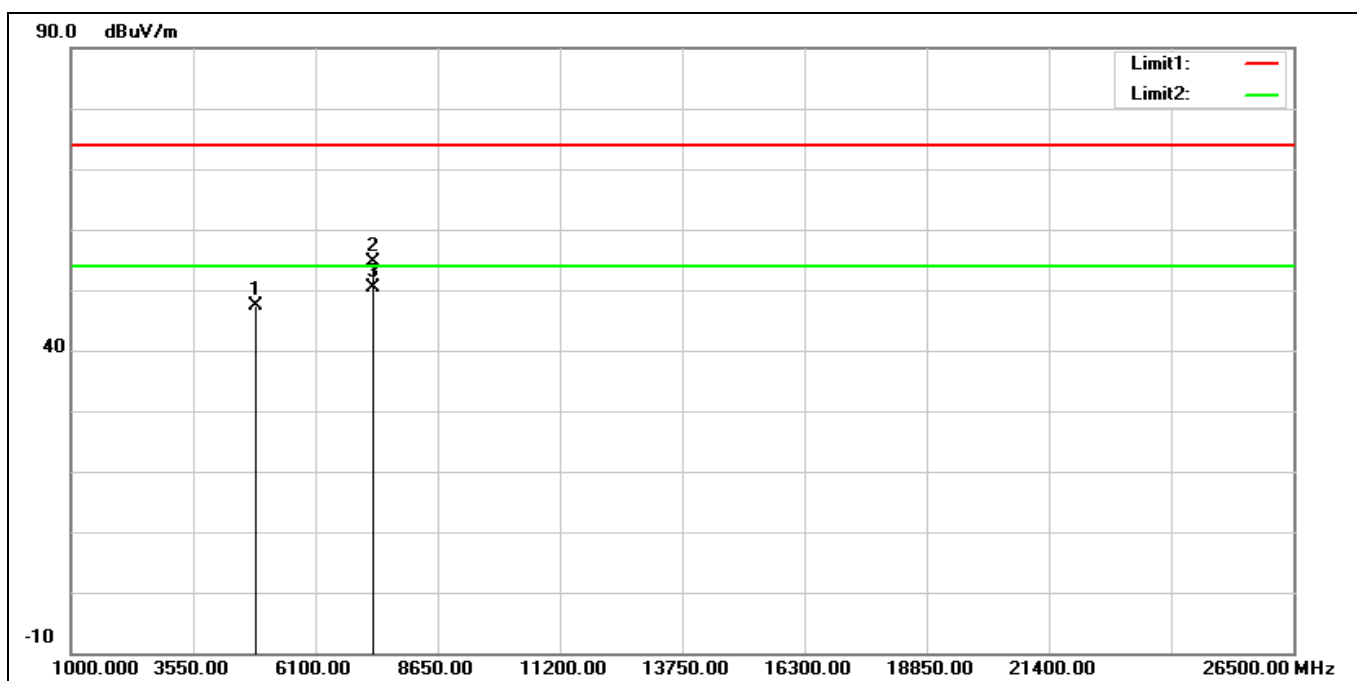
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	41.98	3.71	45.69	74.00	-28.31	peak
2	7236.000	48.34	8.84	57.18	74.00	-16.82	peak
3*	7236.000	42.09	8.84	50.93	54.00	-3.07	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11b 2437 MHz		
Remark:			



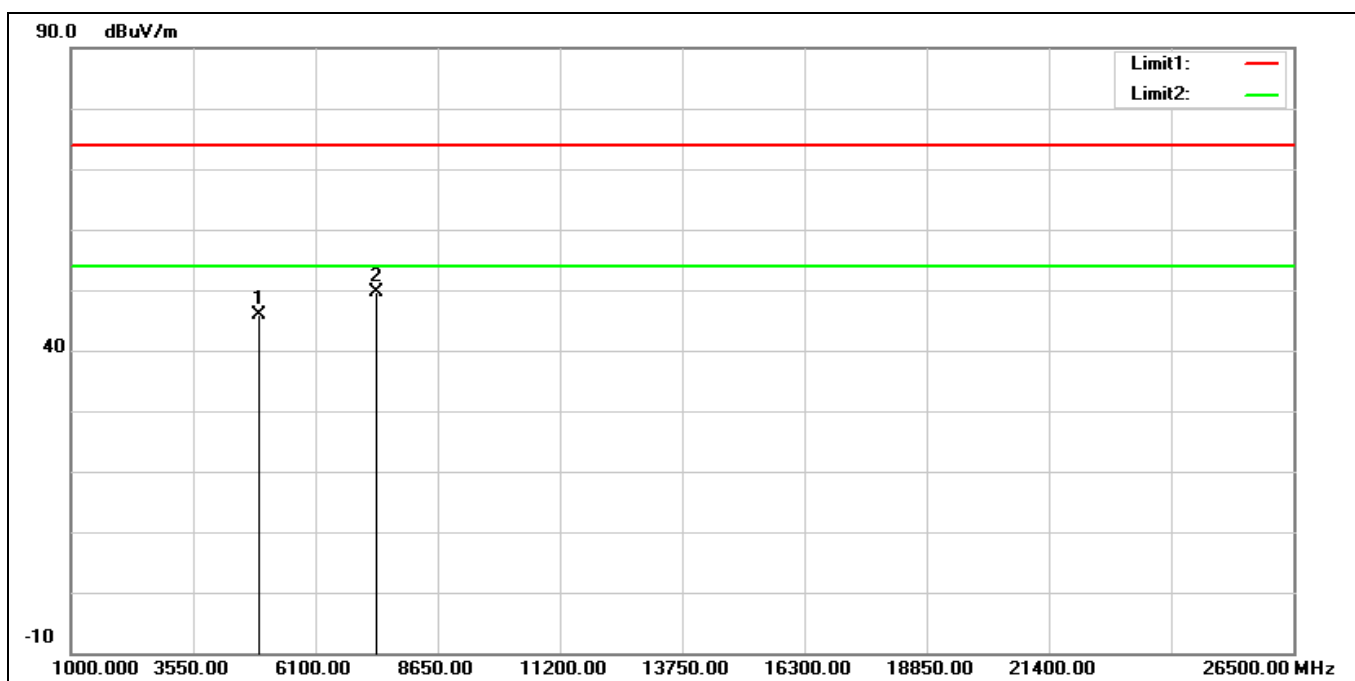
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	42.10	3.75	45.85	74.00	-28.15	peak
2*	7311.000	39.86	8.68	48.54	74.00	-25.46	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11b 2437 MHz		
Remark:			



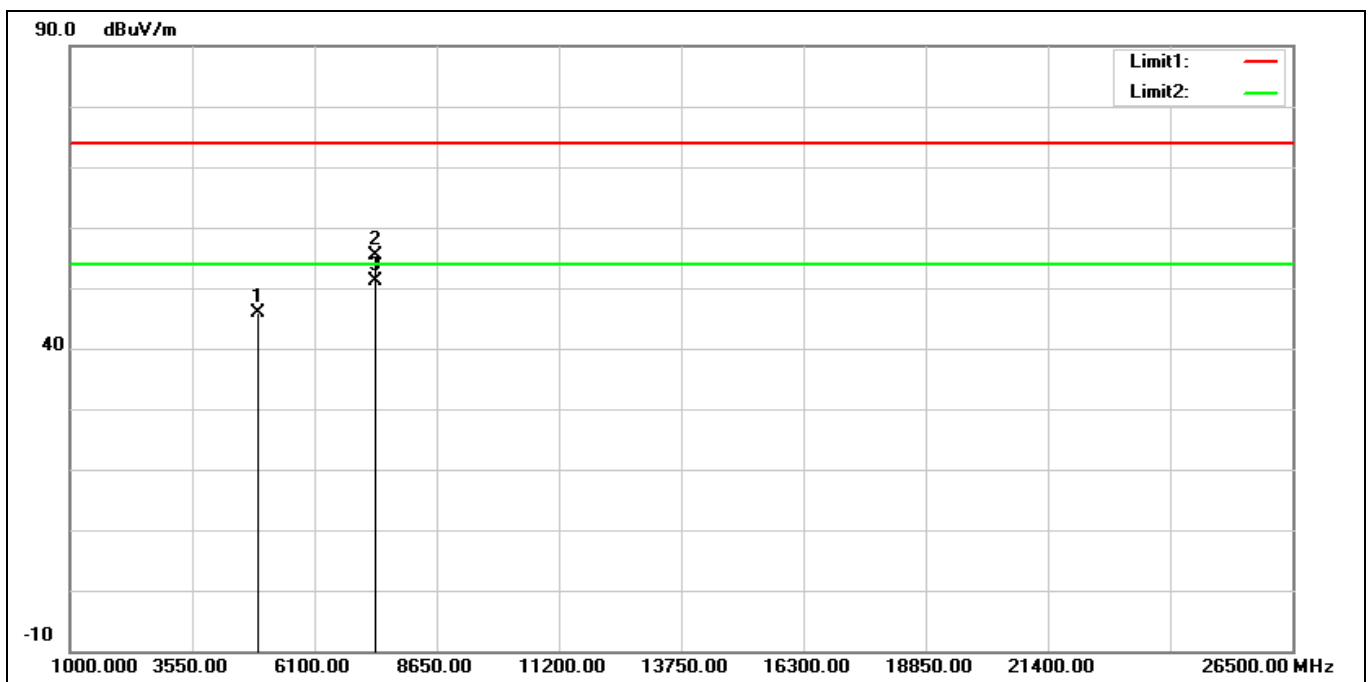
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	43.60	3.75	47.35	74.00	-26.65	peak
2	7311.000	45.88	8.68	54.56	74.00	-19.44	peak
3*	7311.000	41.73	8.68	50.41	54.00	-3.59	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11b 2462 MHz		
Remark:			



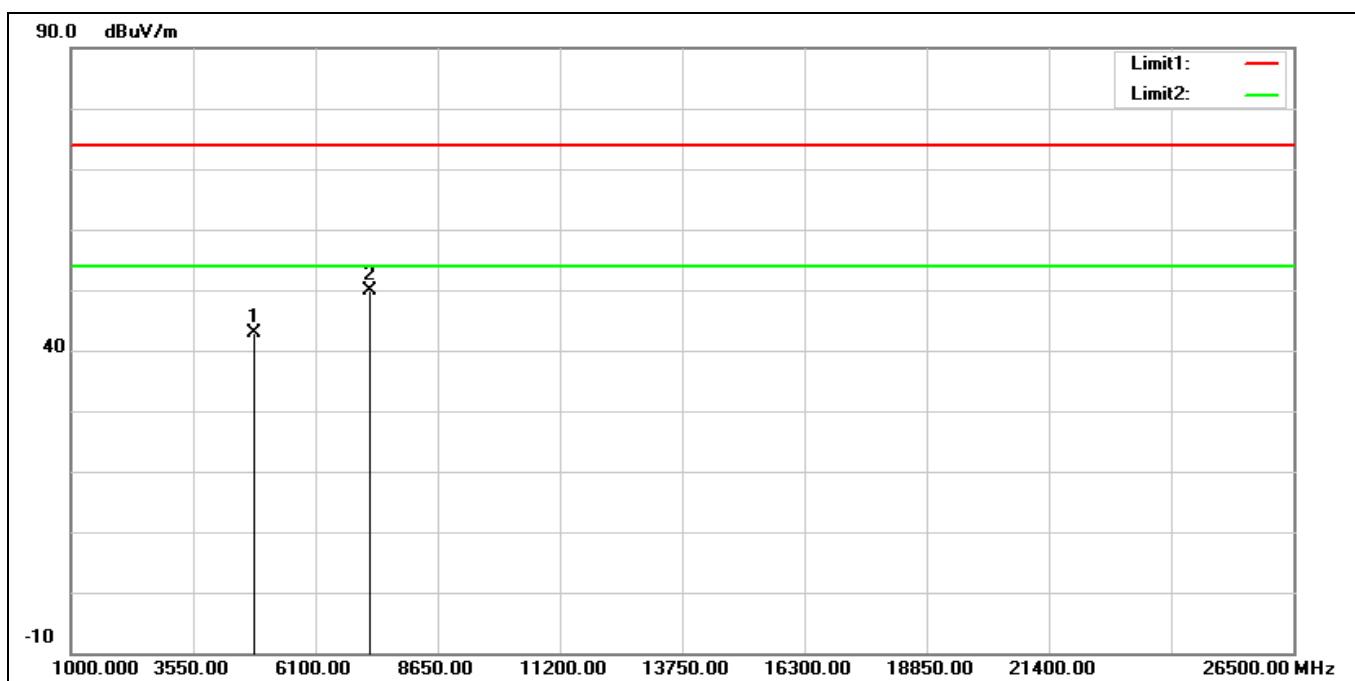
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	42.03	3.74	45.77	74.00	-28.23	peak
2*	7386.000	40.83	8.83	49.66	74.00	-24.34	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11b 2462 MHz		
Remark:			



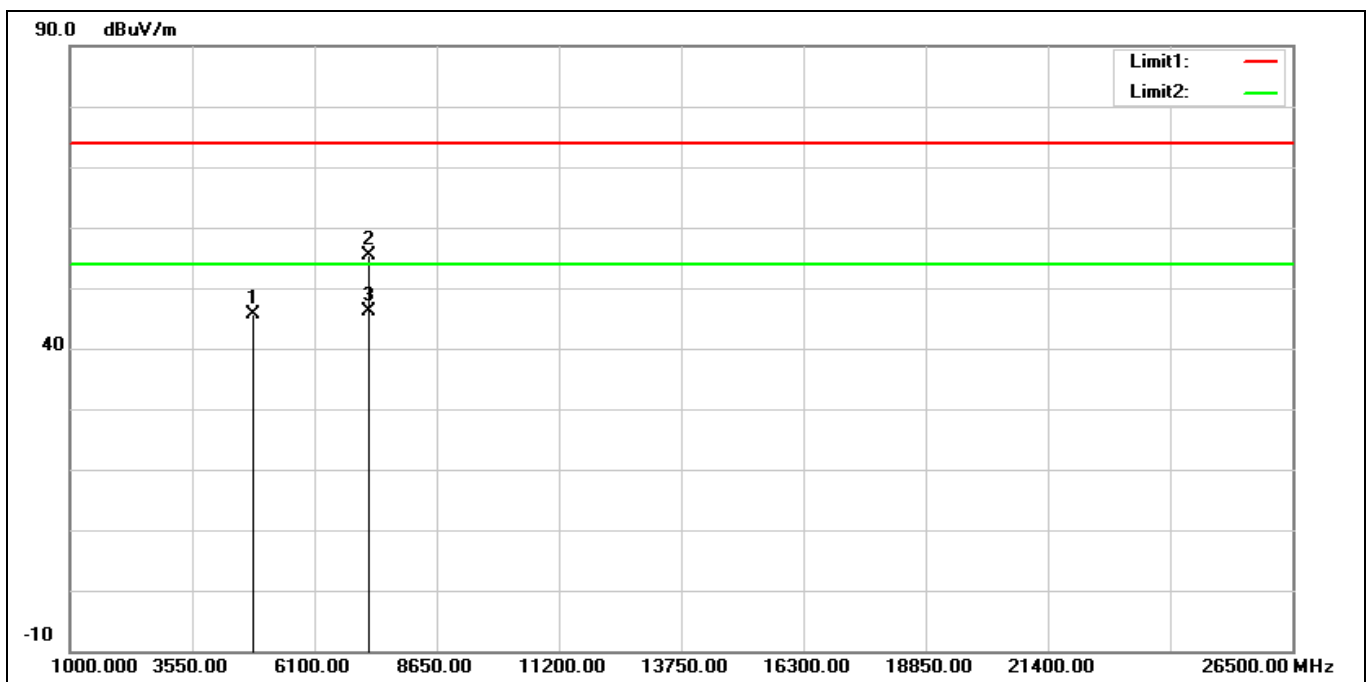
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	42.23	3.74	45.97	74.00	-28.03	peak
2	7386.000	46.51	8.83	55.34	74.00	-18.66	peak
3*	7386.000	42.21	8.83	51.04	54.00	-2.96	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2412 MHz		
Remark:			



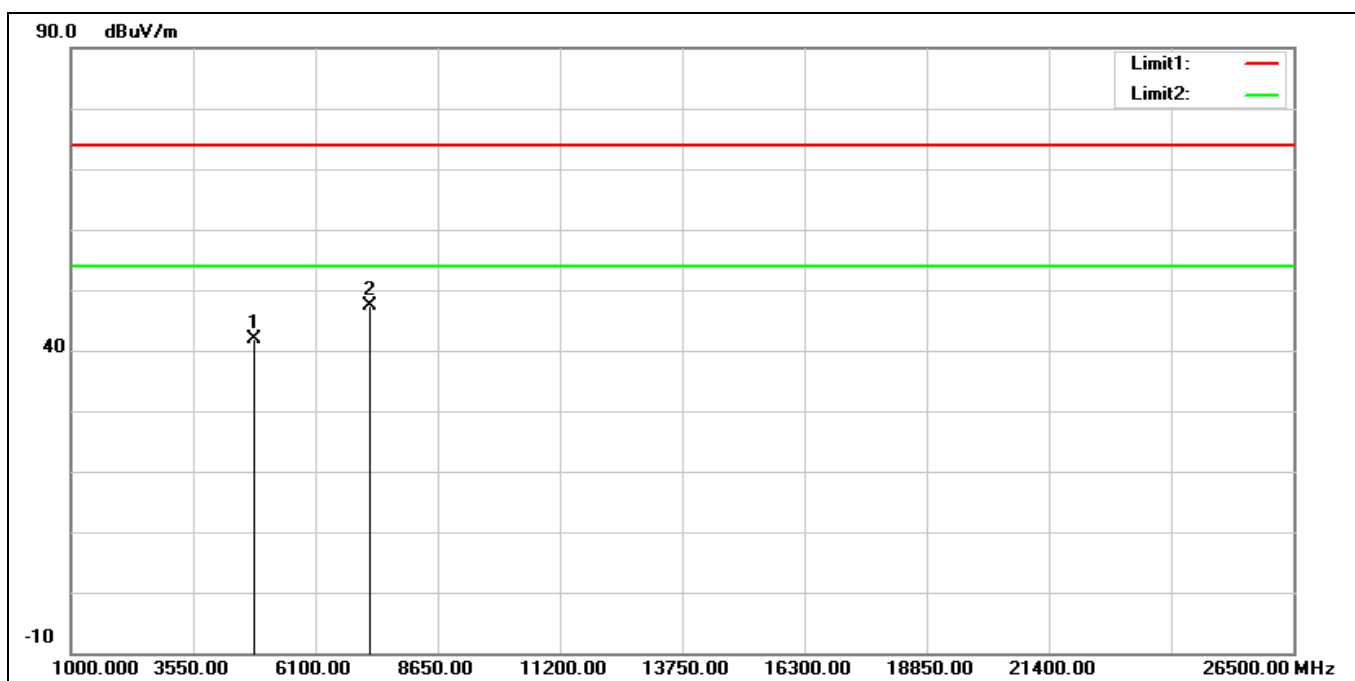
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	39.16	3.71	42.87	74.00	-31.13	peak
2*	7236.000	41.04	8.84	49.88	74.00	-24.12	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2412 MHz		
Remark:			



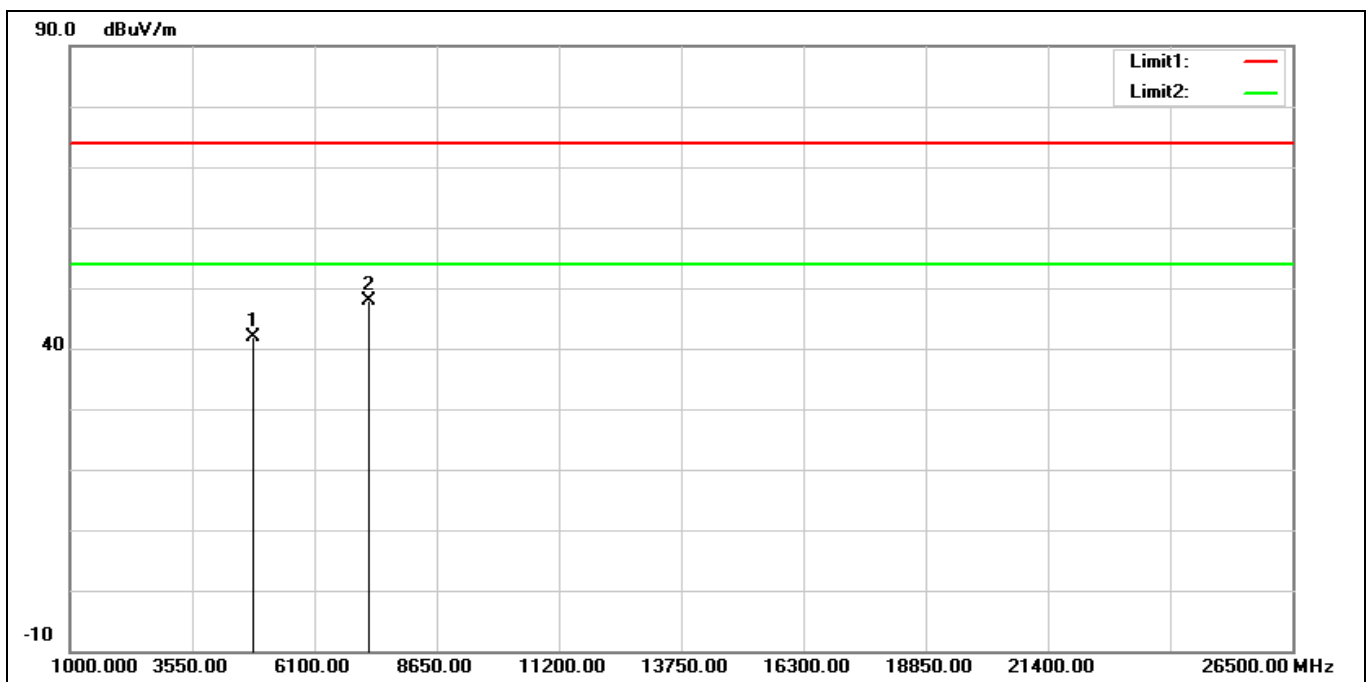
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	41.82	3.71	45.53	74.00	-28.47	peak
2	7236.000	46.46	8.84	55.30	74.00	-18.70	peak
3*	7236.000	37.39	8.84	46.23	54.00	-7.77	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2417 MHz		
Remark:			



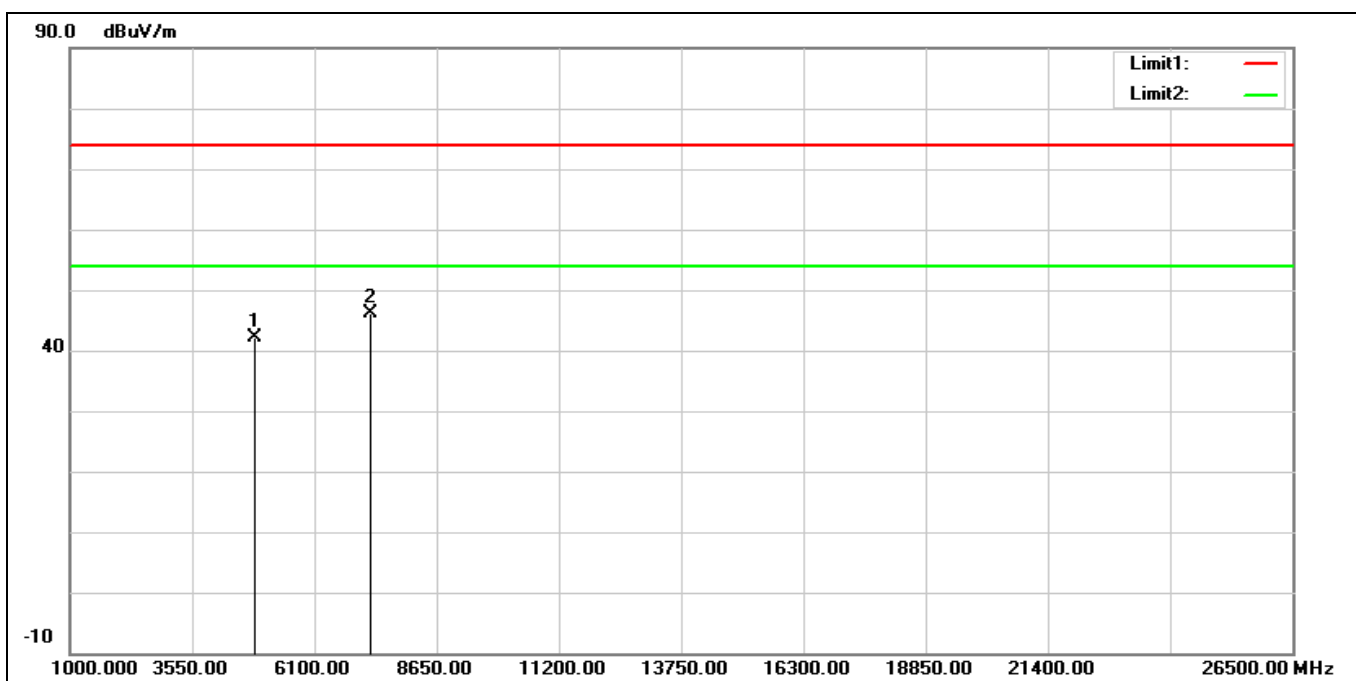
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4834.000	37.97	3.95	41.92	74.00	-32.08	peak
2*	7251.000	38.16	9.14	47.30	74.00	-26.70	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2417 MHz		
Remark:			



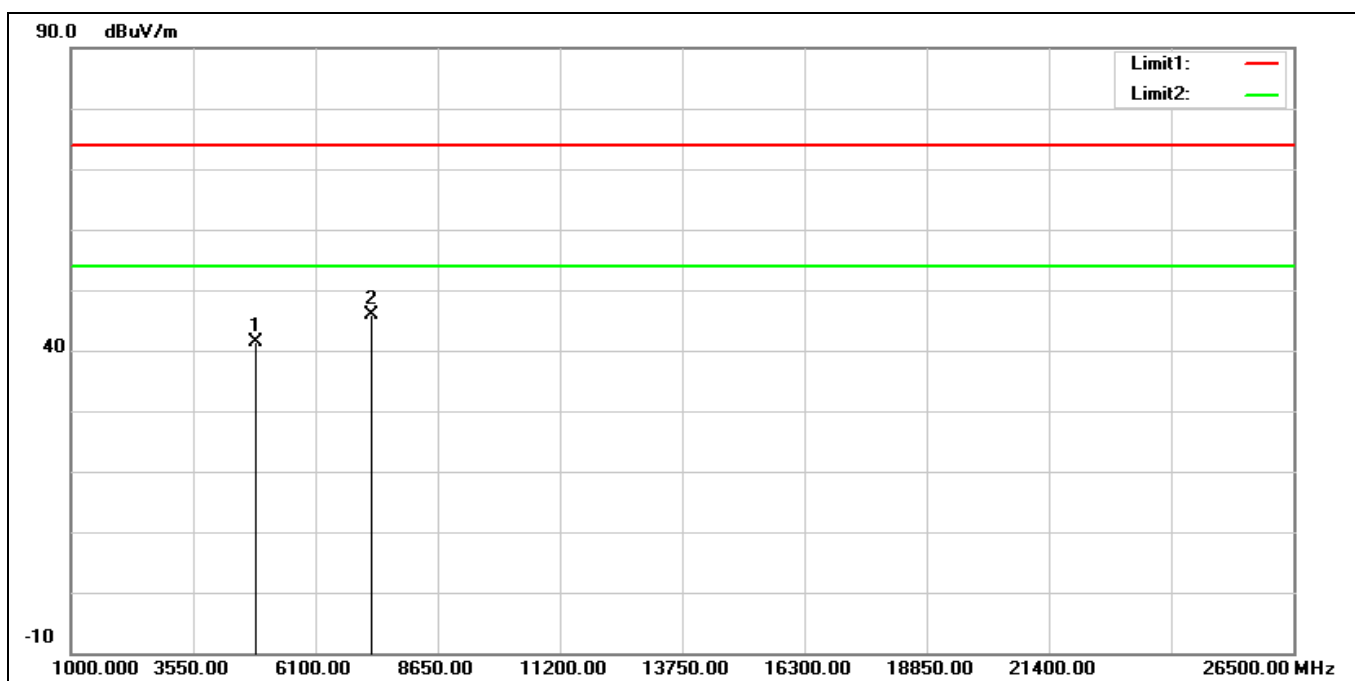
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4834.000	37.91	3.95	41.86	74.00	-32.14	peak
2*	7251.000	38.82	9.14	47.96	74.00	-26.04	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2422 MHz		
Remark:			



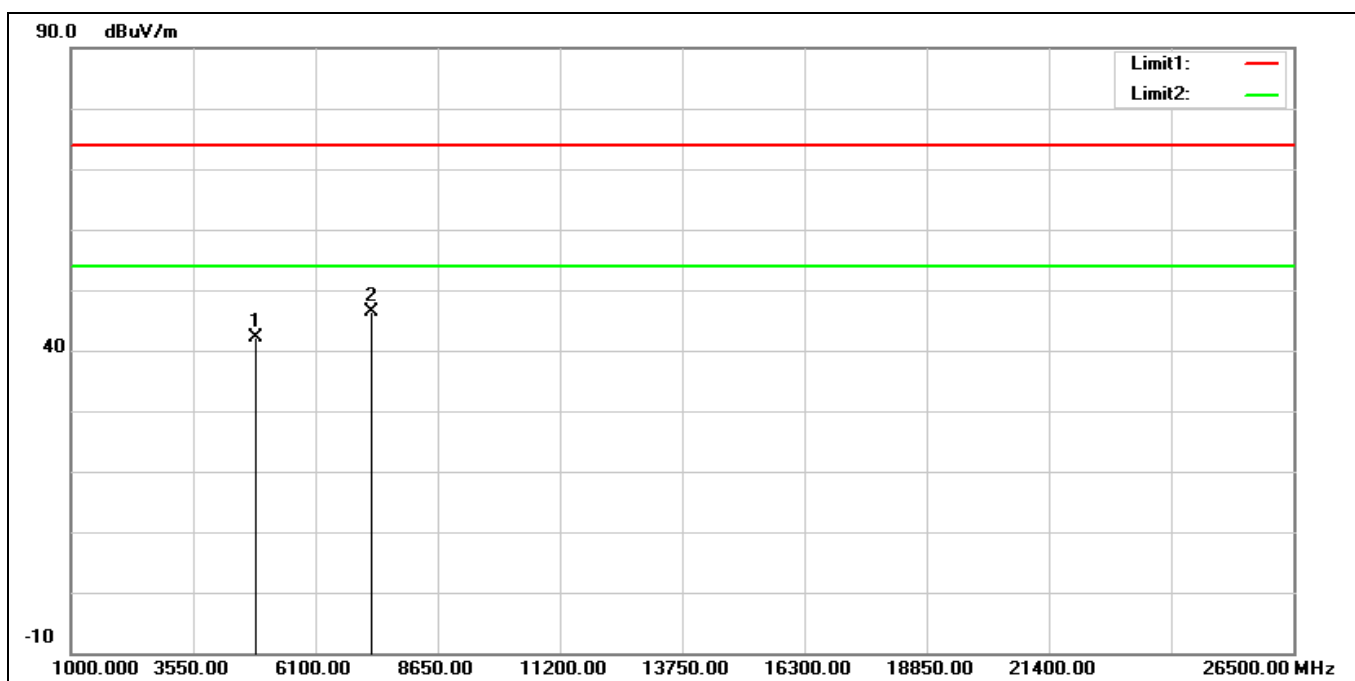
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4844.000	38.09	4.00	42.09	74.00	-31.91	peak
2*	7266.000	36.93	9.19	46.12	74.00	-27.88	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2422 MHz		
Remark:			



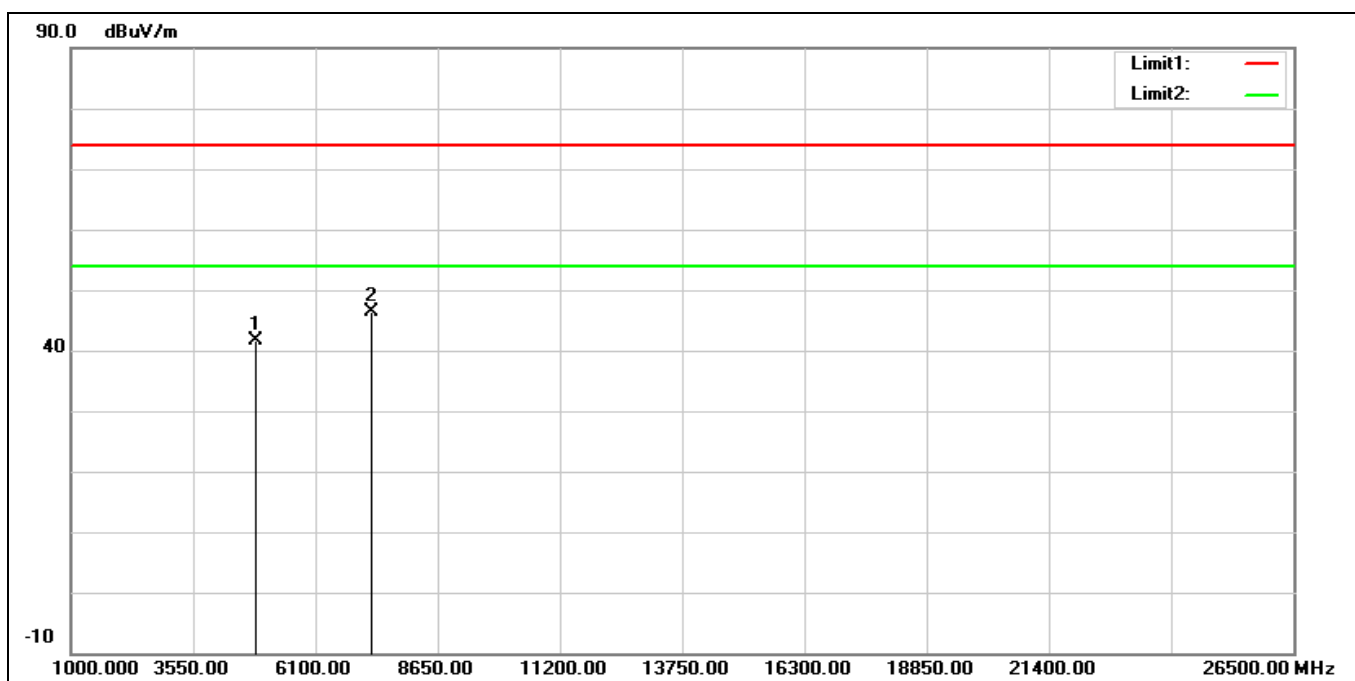
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4844.000	37.35	4.00	41.35	74.00	-32.65	peak
2*	7266.000	36.77	9.19	45.96	74.00	-28.04	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2427 MHz		
Remark:			



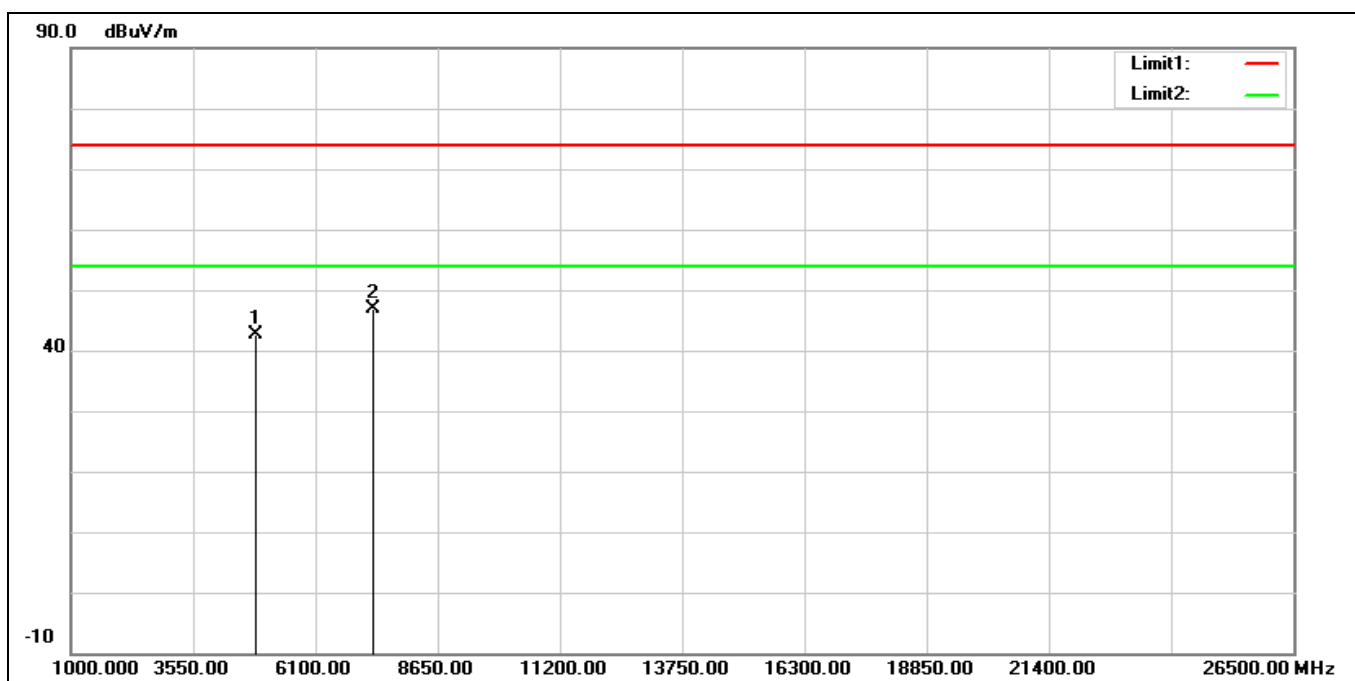
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4854.000	38.18	4.04	42.22	74.00	-31.78	peak
2*	7281.000	37.27	9.23	46.50	74.00	-27.50	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2427 MHz		
Remark:			



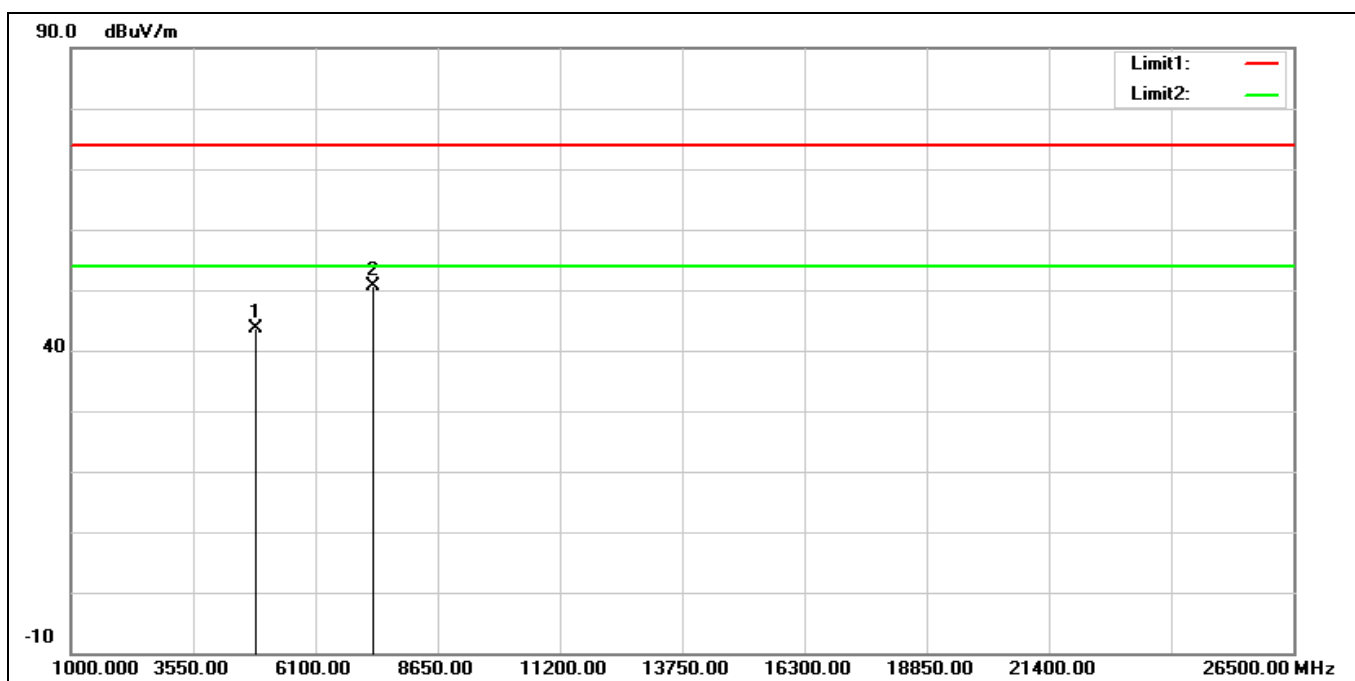
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4854.000	37.66	4.04	41.70	74.00	-32.30	peak
2*	7281.000	37.11	9.23	46.34	74.00	-27.66	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2432 MHz		
Remark:			



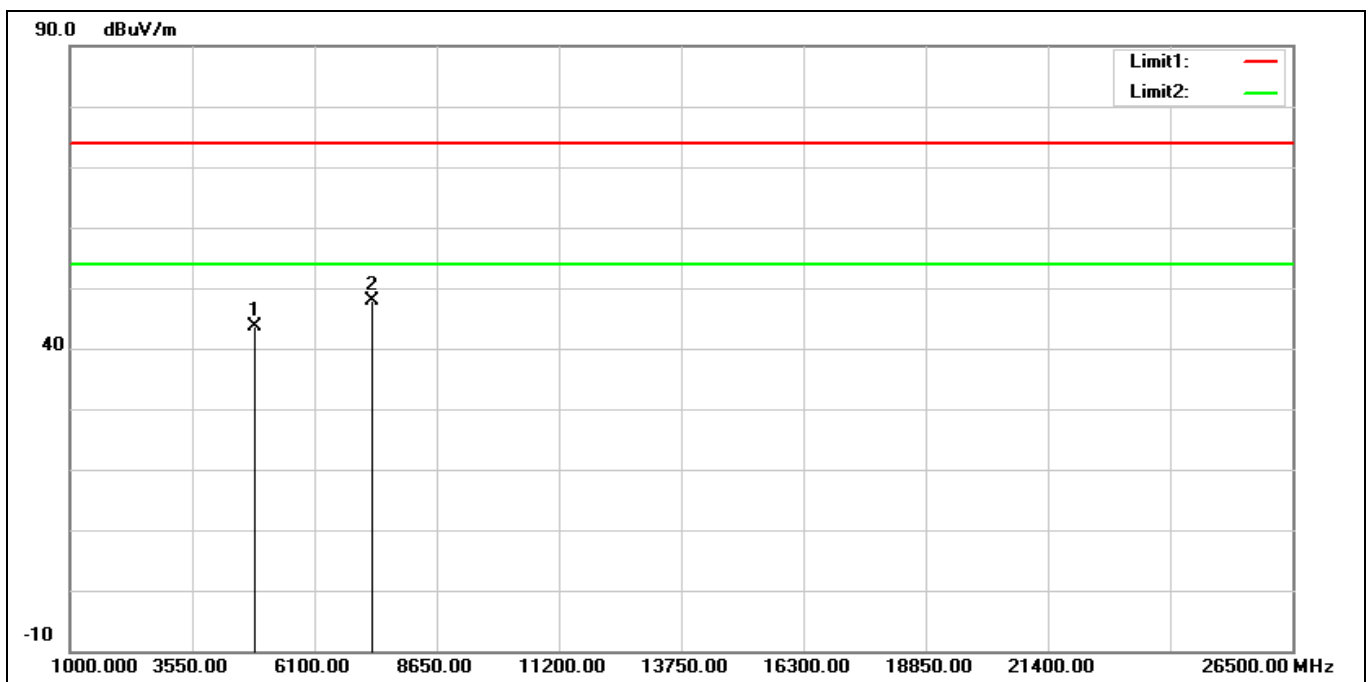
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4864.000	38.43	4.08	42.51	74.00	-31.49	peak
2*	7296.000	37.52	9.27	46.79	74.00	-27.21	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2432 MHz		
Remark:			



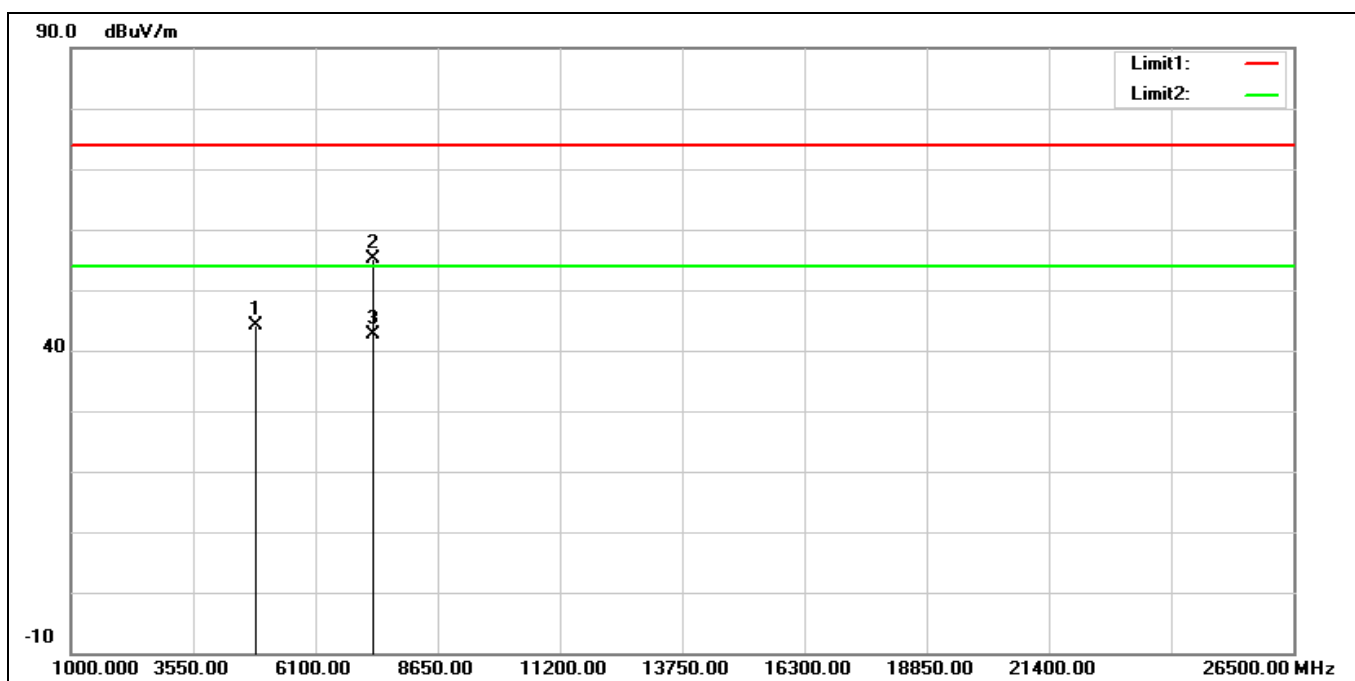
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4864.000	39.43	4.08	43.51	74.00	-30.49	peak
2*	7296.000	41.27	9.27	50.54	74.00	-23.46	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2437 MHz		
Remark:			



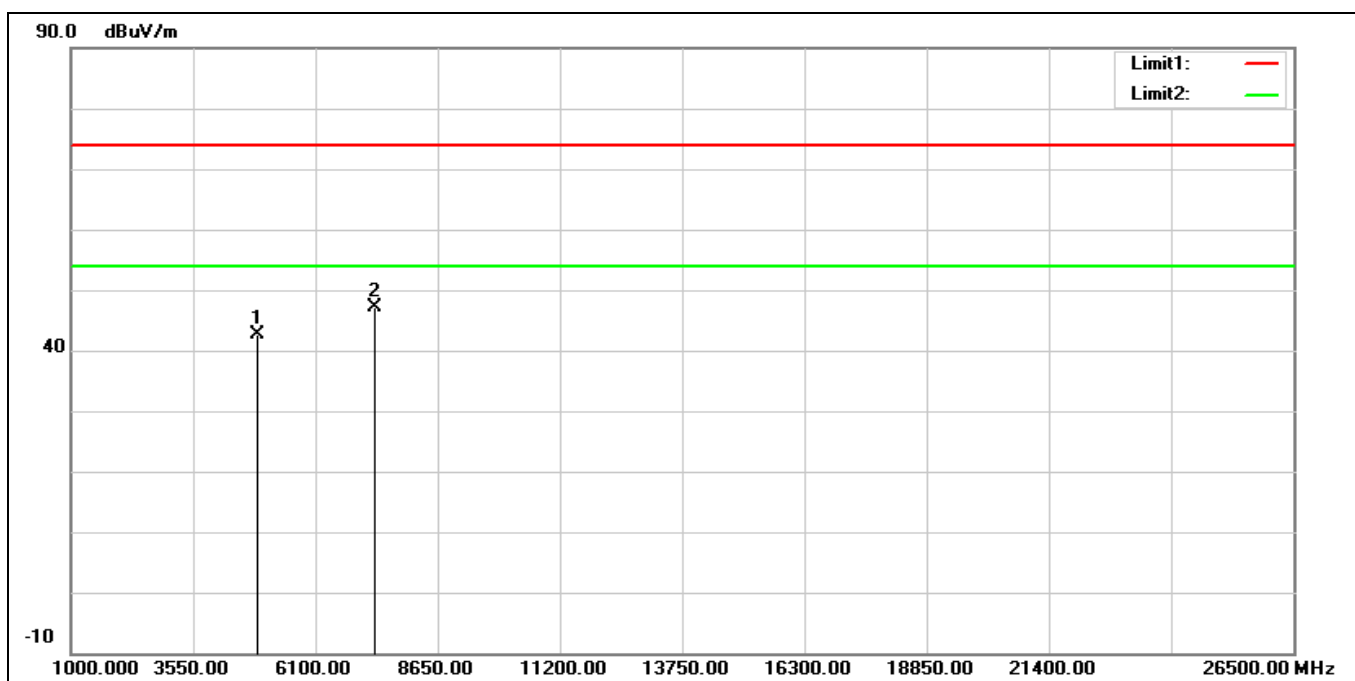
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	39.81	3.75	43.56	74.00	-30.44	peak
2*	7311.000	39.24	8.68	47.92	74.00	-26.08	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2437 MHz		
Remark:			



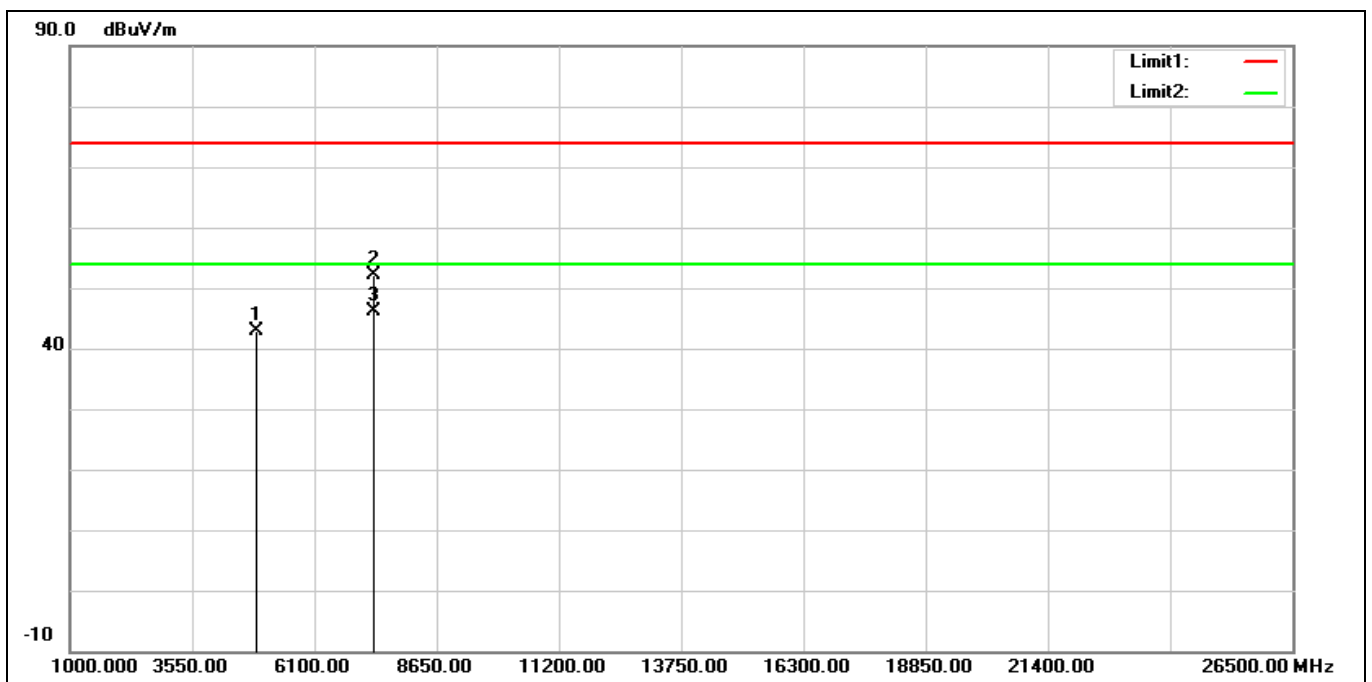
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	40.46	3.75	44.21	74.00	-29.79	peak
2	7311.000	46.50	8.68	55.18	74.00	-18.82	peak
3*	7311.000	33.85	8.68	42.53	54.00	-11.47	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2447 MHz		
Remark:			



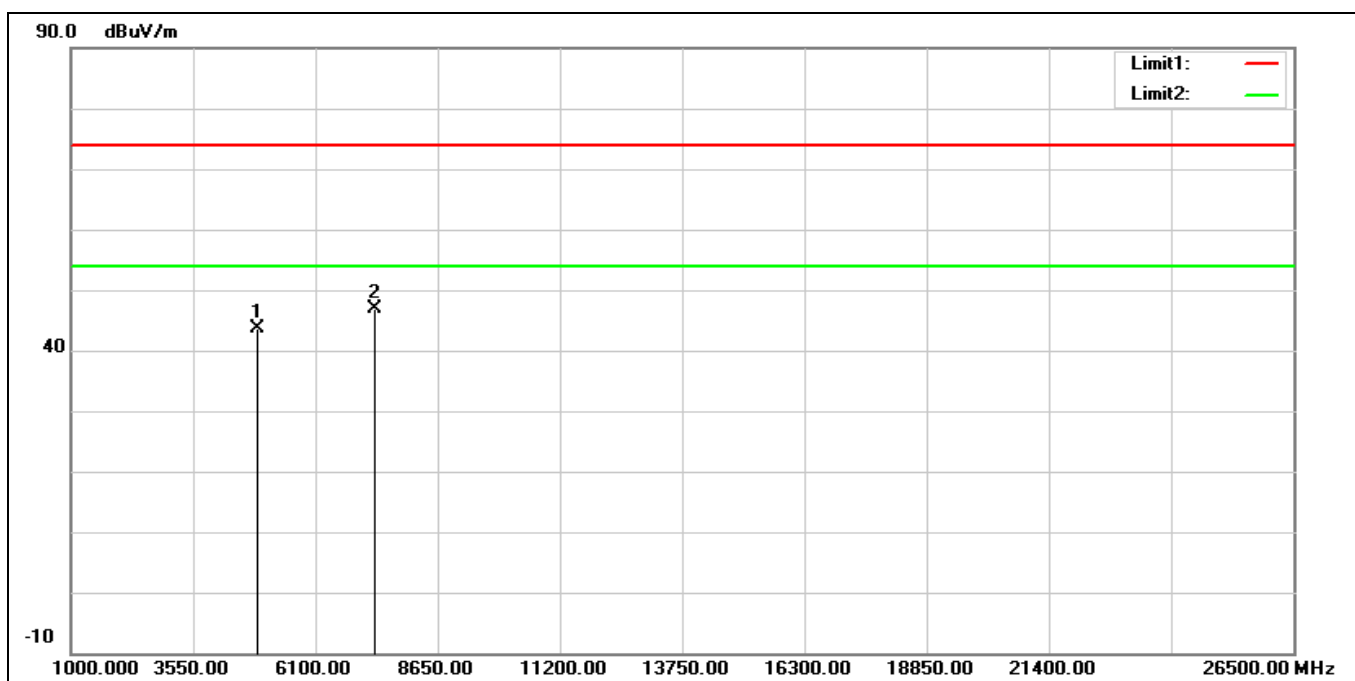
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4894.000	38.32	4.21	42.53	74.00	-31.47	peak
2*	7341.000	37.67	9.39	47.06	74.00	-26.94	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2447 MHz		
Remark:			



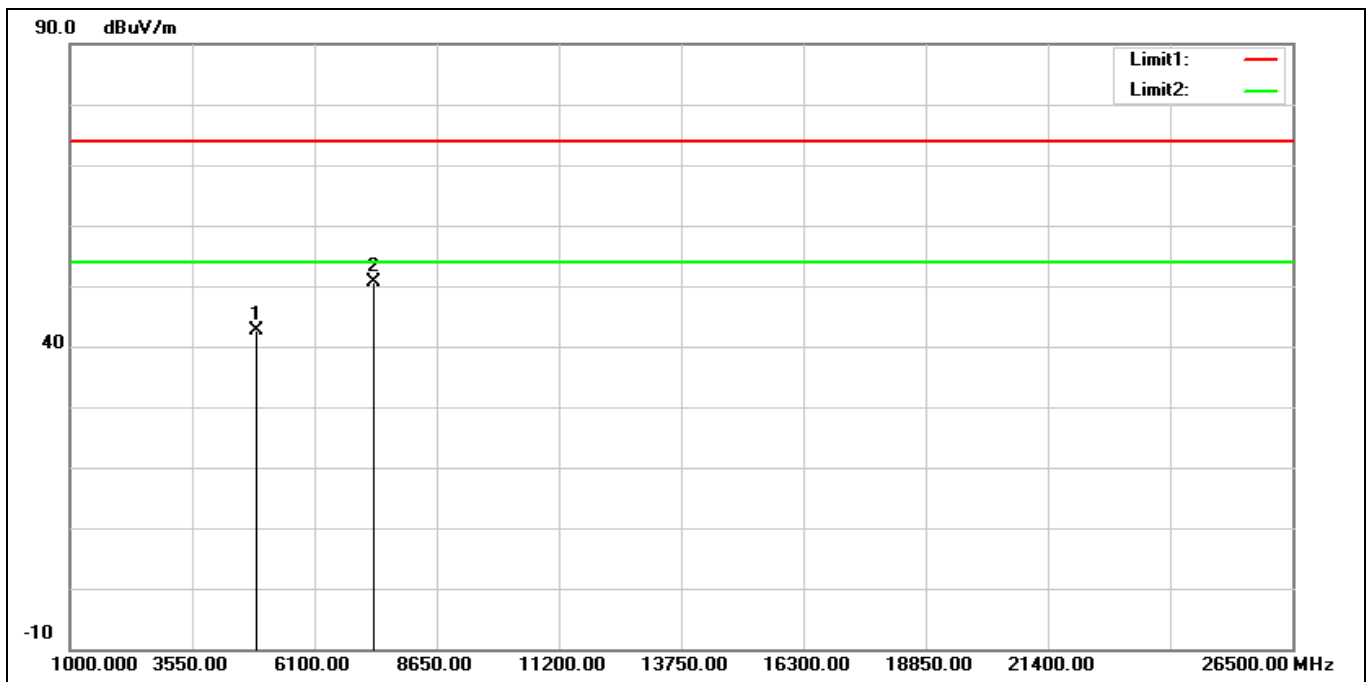
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4894.000	38.62	4.21	42.83	74.00	-31.17	peak
2	7341.000	42.65	9.39	52.04	74.00	-21.96	peak
3*	7341.000	36.81	9.39	46.20	54.00	-7.80	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2452 MHz		
Remark:			



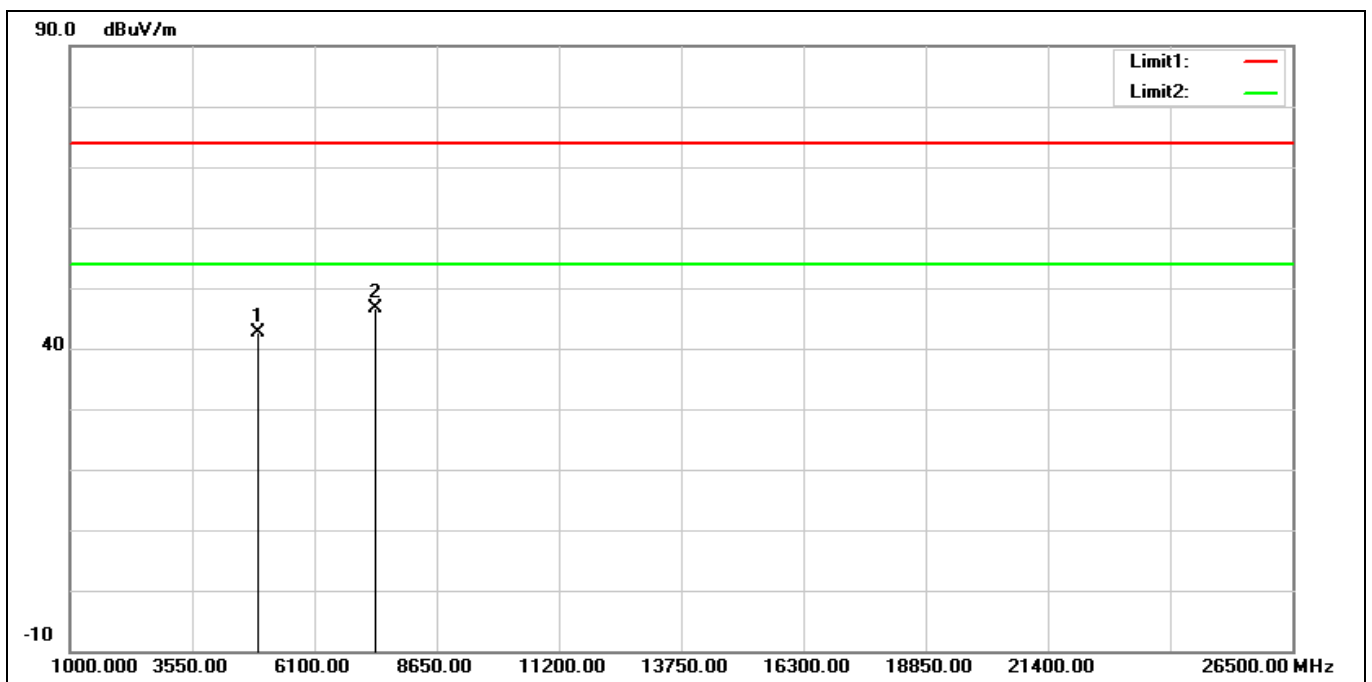
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4904.000	39.35	4.25	43.60	74.00	-30.40	peak
2*	7356.000	37.47	9.43	46.90	74.00	-27.10	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2452 MHz		
Remark:			



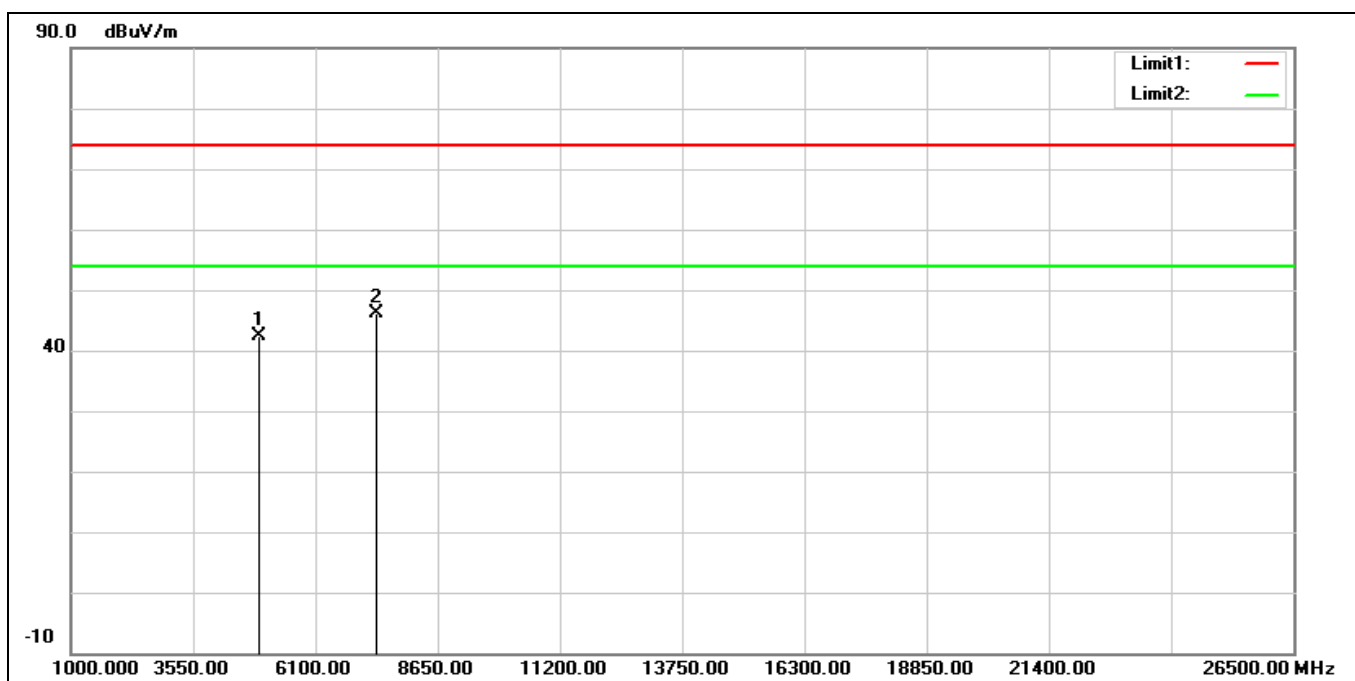
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4904.000	38.42	4.25	42.67	74.00	-31.33	peak
2*	7356.000	41.24	9.43	50.67	74.00	-23.33	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2457 MHz		
Remark:			



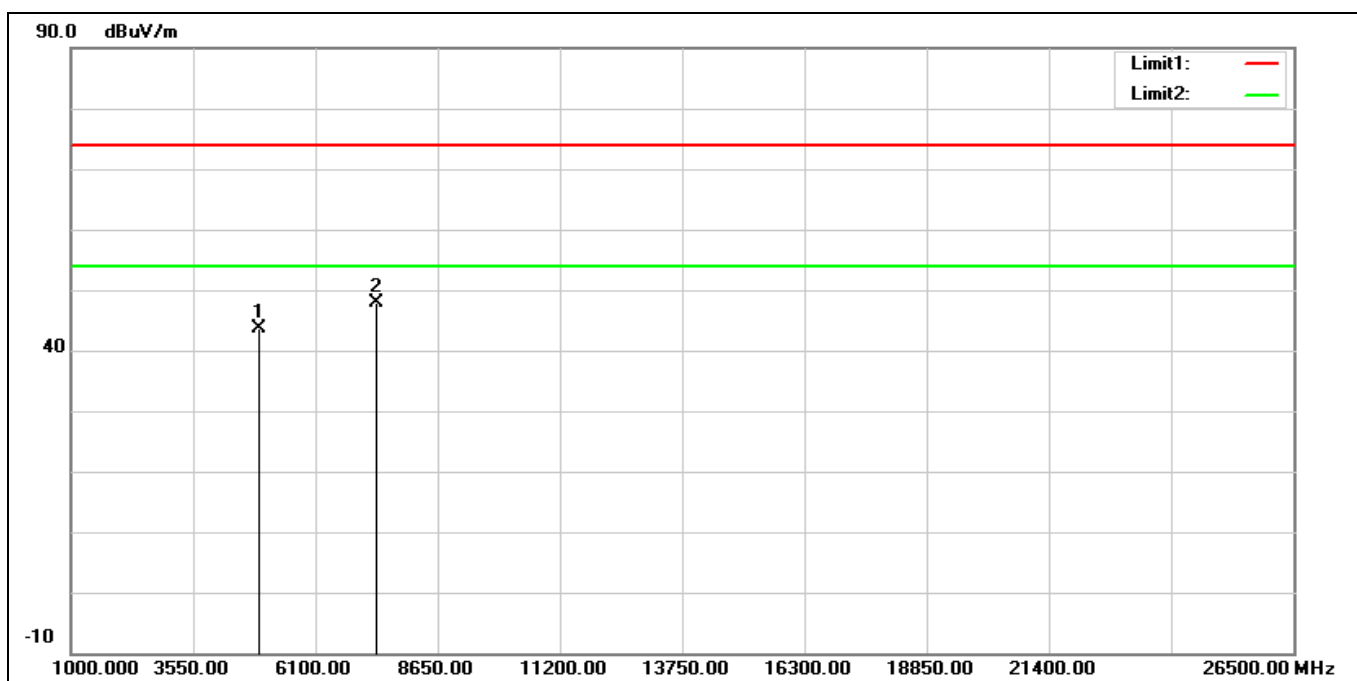
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4914.000	38.36	4.29	42.65	74.00	-31.35	peak
2*	7371.000	37.26	9.48	46.74	74.00	-27.26	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2457 MHz		
Remark:			



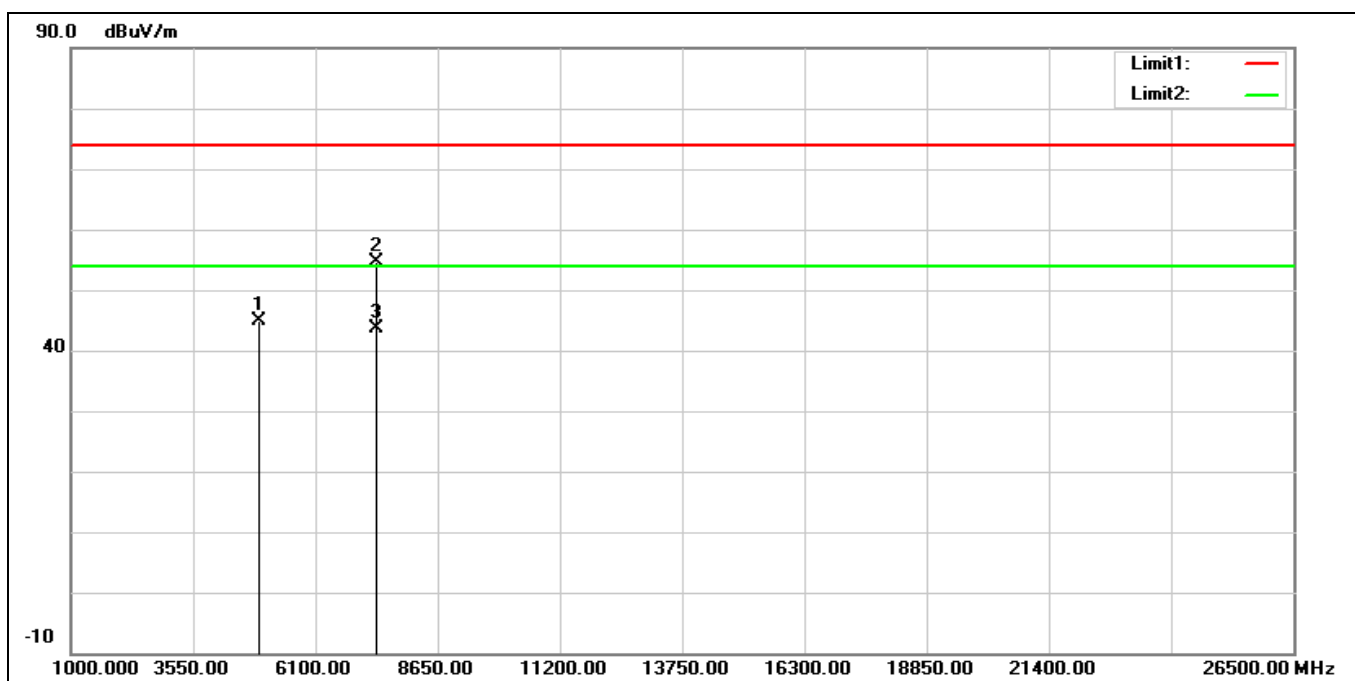
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4914.000	38.04	4.29	42.33	74.00	-31.67	peak
2*	7371.000	36.67	9.48	46.15	74.00	-27.85	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2462 MHz		
Remark:			



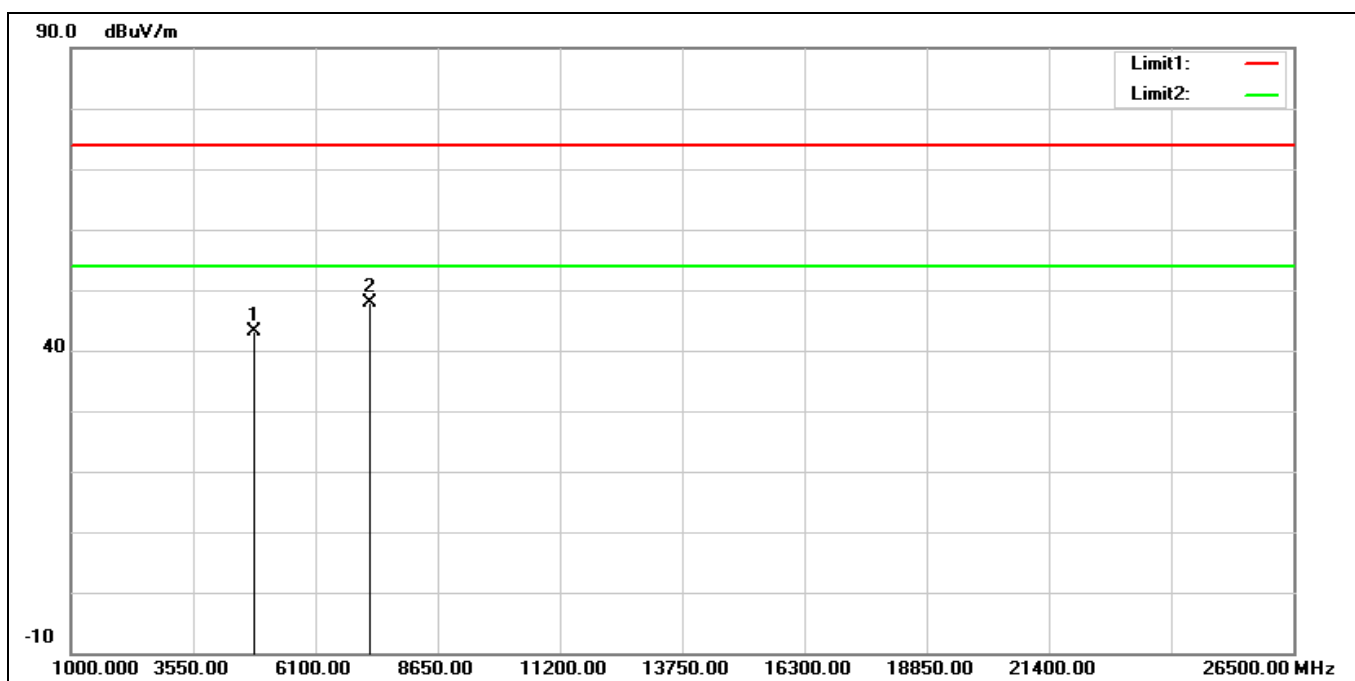
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	39.95	3.74	43.69	74.00	-30.31	peak
2*	7386.000	39.14	8.83	47.97	74.00	-26.03	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2462 MHz		
Remark:			



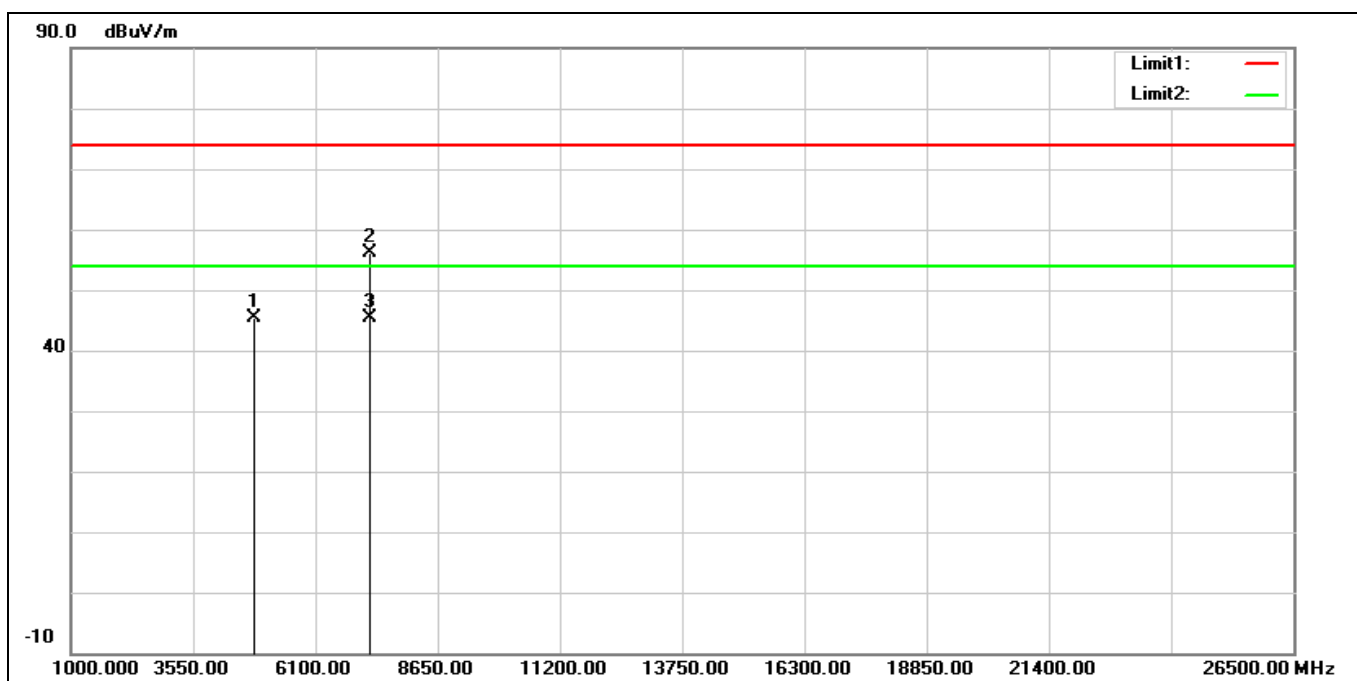
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	41.18	3.74	44.92	74.00	-29.08	peak
2	7386.000	45.81	8.83	54.64	74.00	-19.36	peak
3*	7386.000	34.72	8.83	43.55	54.00	-10.45	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2412 MHz		
Remark:			



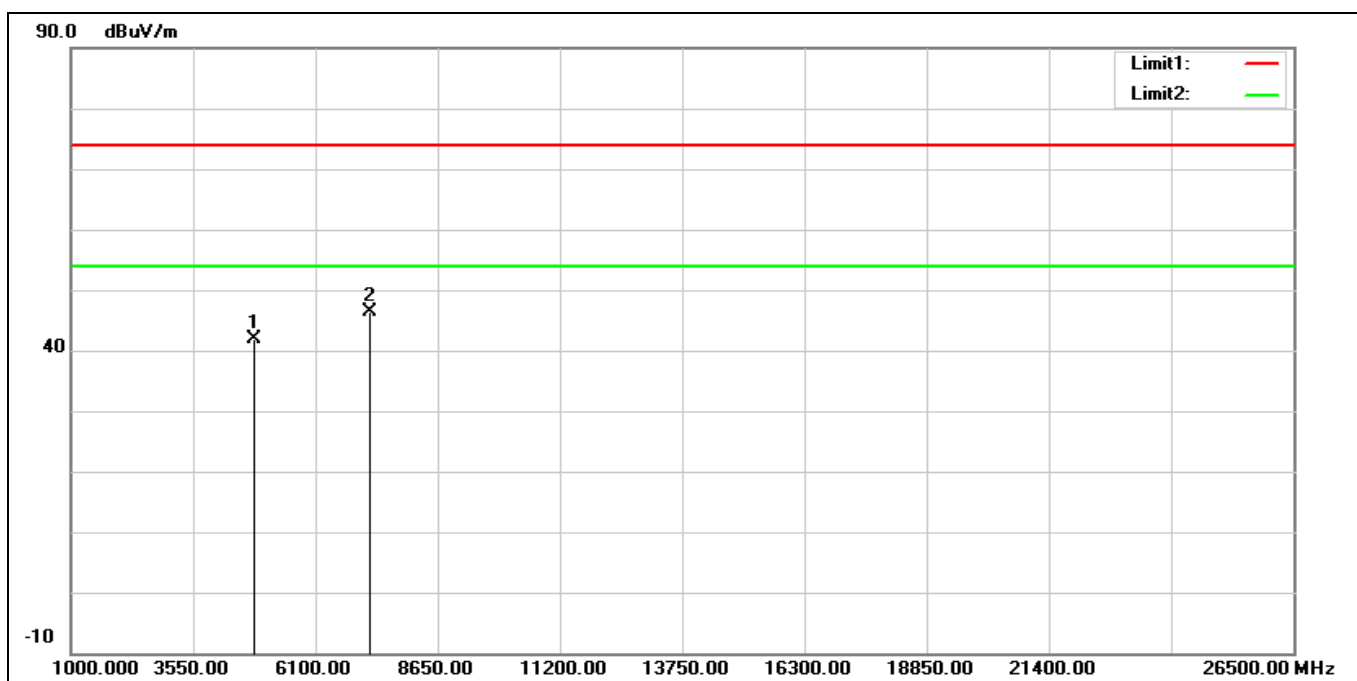
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	39.44	3.71	43.15	74.00	-30.85	peak
2*	7236.000	39.11	8.84	47.95	74.00	-26.05	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2412 MHz		
Remark:			



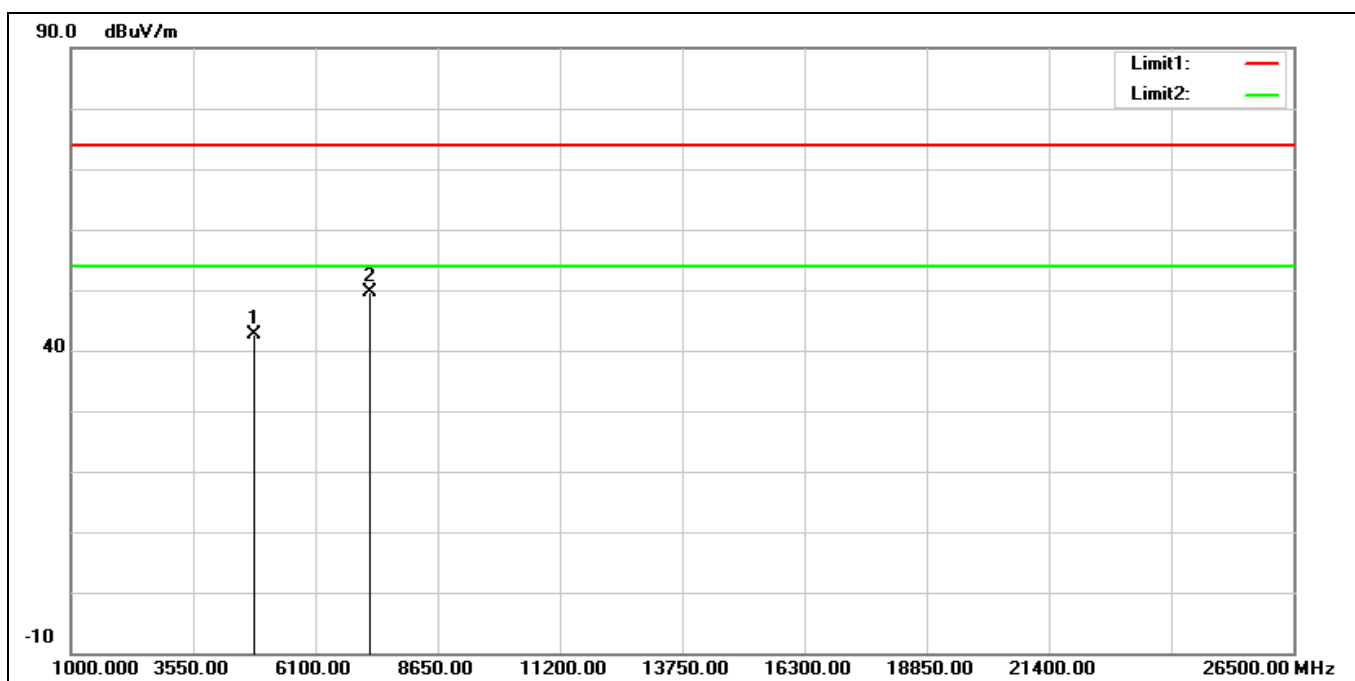
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	41.69	3.71	45.40	74.00	-28.60	peak
2	7236.000	47.30	8.84	56.14	74.00	-17.86	peak
3*	7236.000	36.60	8.84	45.44	54.00	-8.56	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2417 MHz		
Remark:			



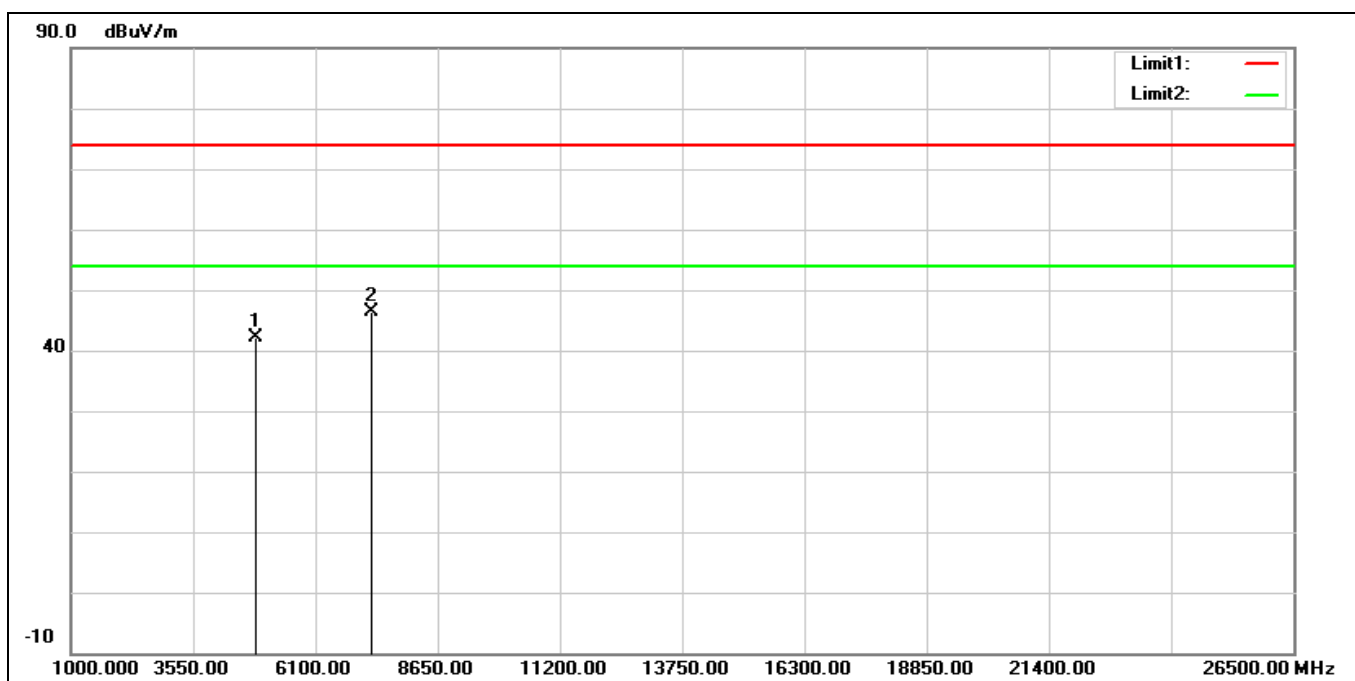
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4834.000	37.96	3.95	41.91	74.00	-32.09	peak
2*	7251.000	37.25	9.14	46.39	74.00	-27.61	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2417 MHz		
Remark:			



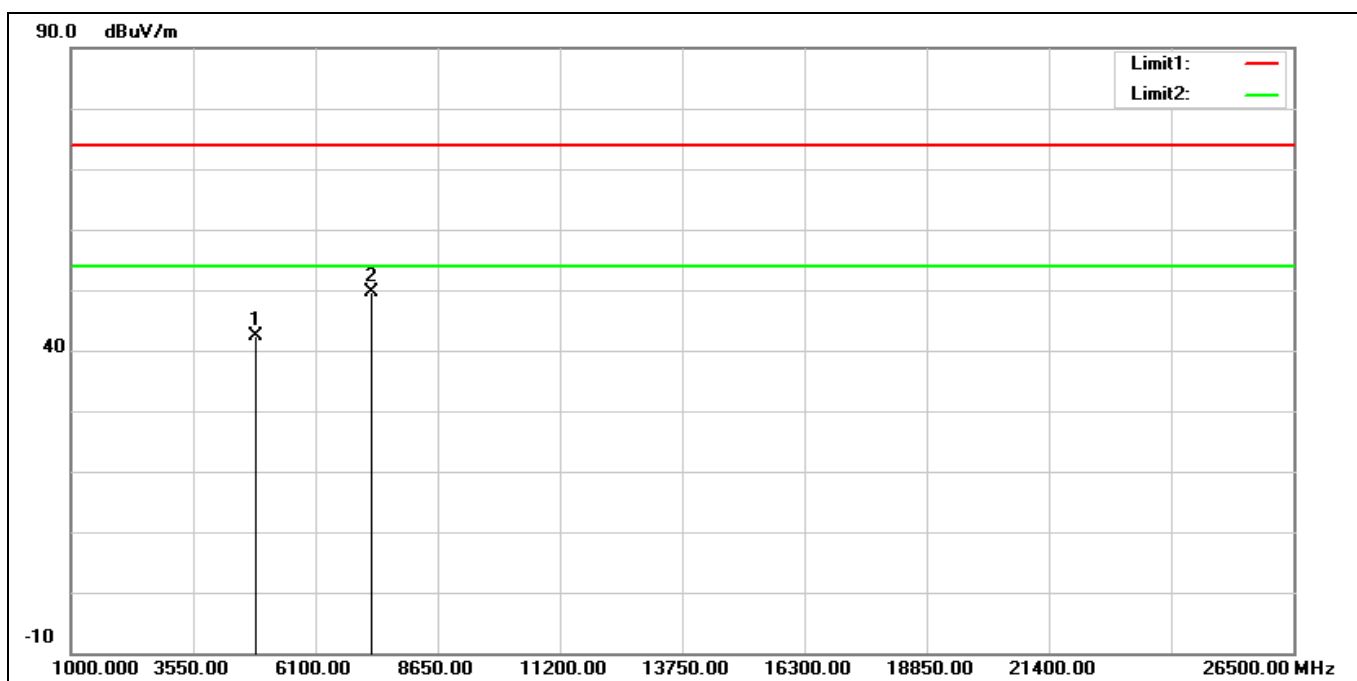
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4834.000	38.74	3.95	42.69	74.00	-31.31	peak
2*	7251.000	40.60	9.14	49.74	74.00	-24.26	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2422 MHz		
Remark:			



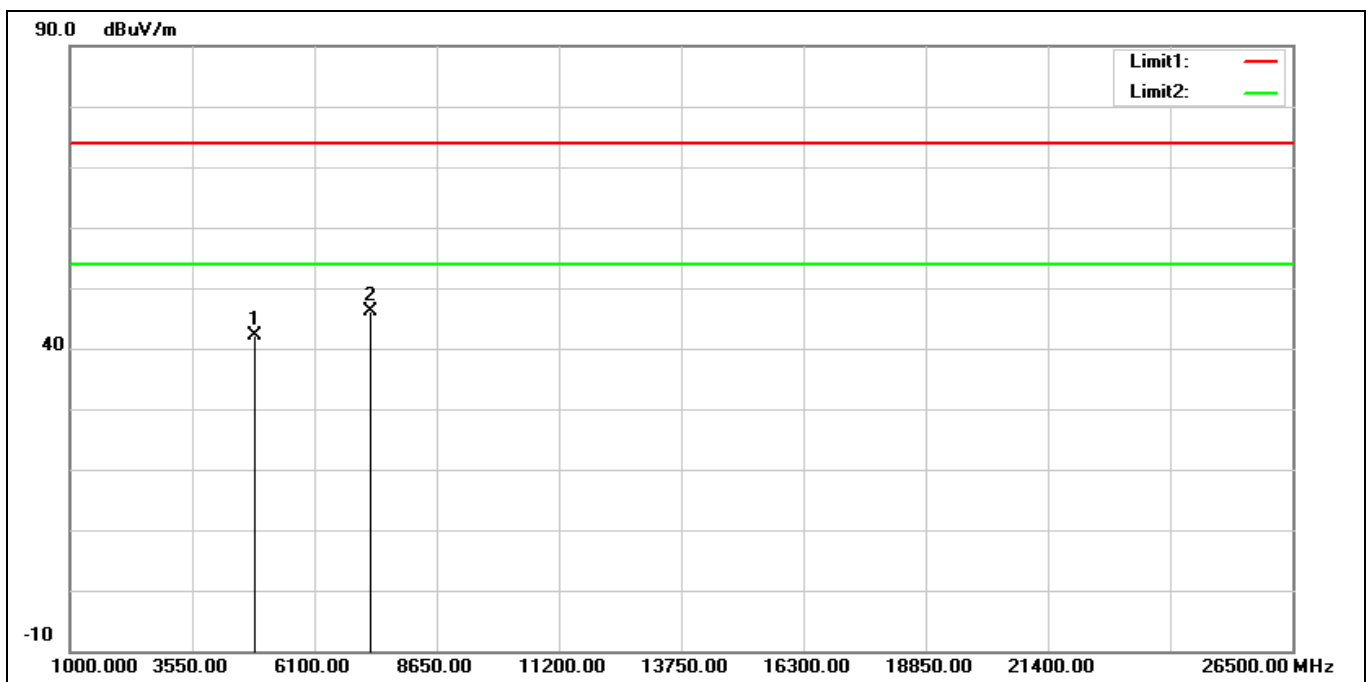
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4844.000	38.20	4.00	42.20	74.00	-31.80	peak
2*	7266.000	37.16	9.19	46.35	74.00	-27.65	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2422 MHz		
Remark:			



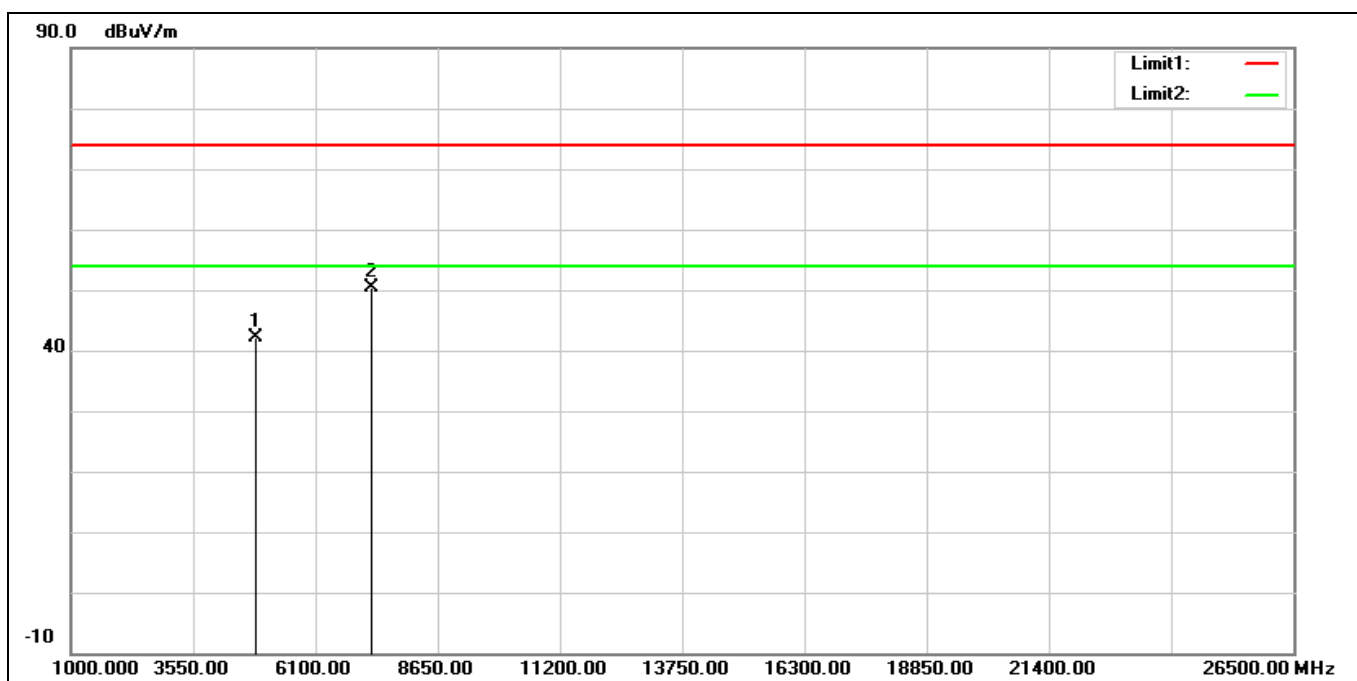
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4844.000	38.39	4.00	42.39	74.00	-31.61	peak
2*	7266.000	40.51	9.19	49.70	74.00	-24.30	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2427 MHz		
Remark:			



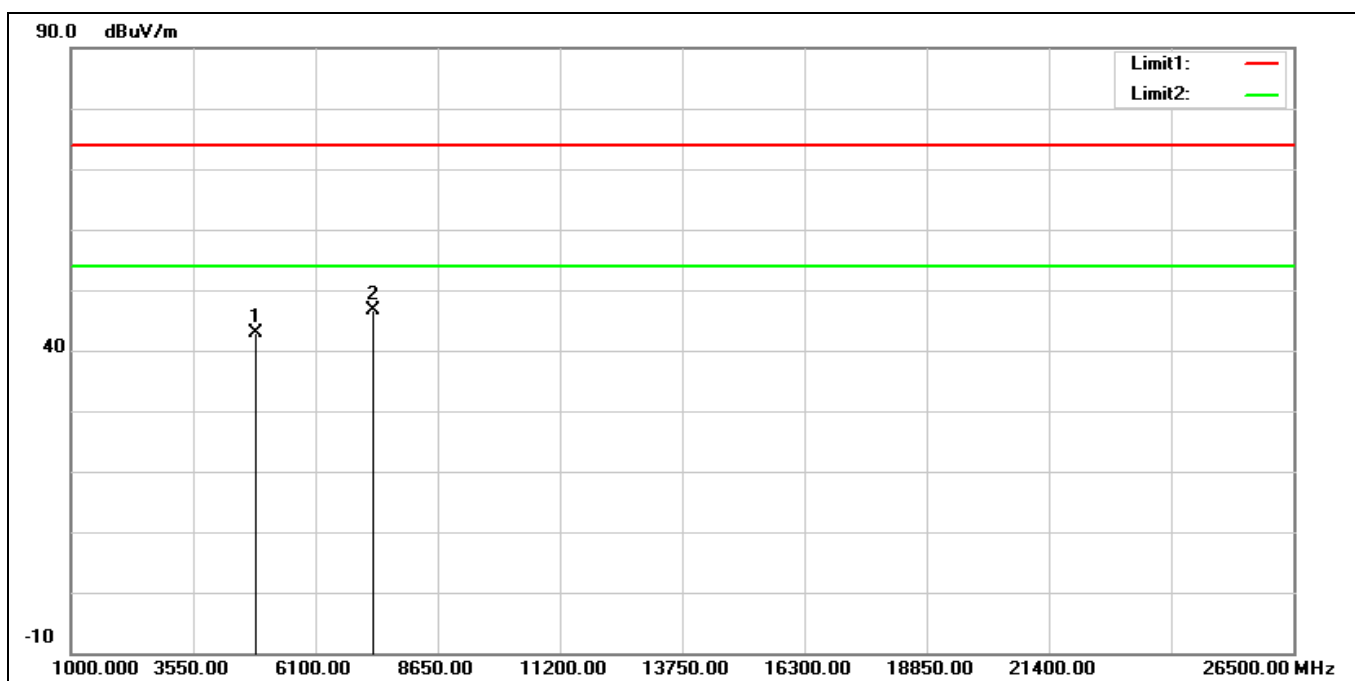
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4854.000	38.20	4.04	42.24	74.00	-31.76	peak
2*	7281.000	36.99	9.23	46.22	74.00	-27.78	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2427 MHz		
Remark:			



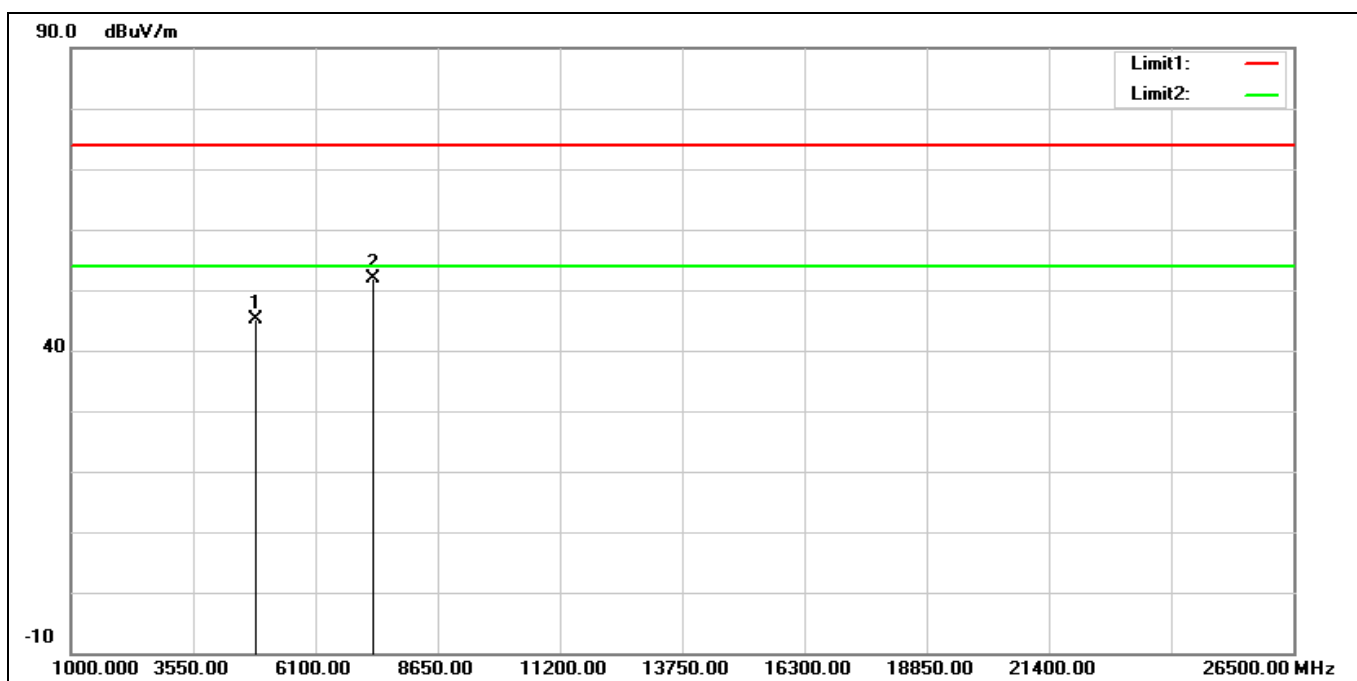
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4854.000	38.10	4.04	42.14	74.00	-31.86	peak
2*	7281.000	41.19	9.23	50.42	74.00	-23.58	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2437 MHz		
Remark:			



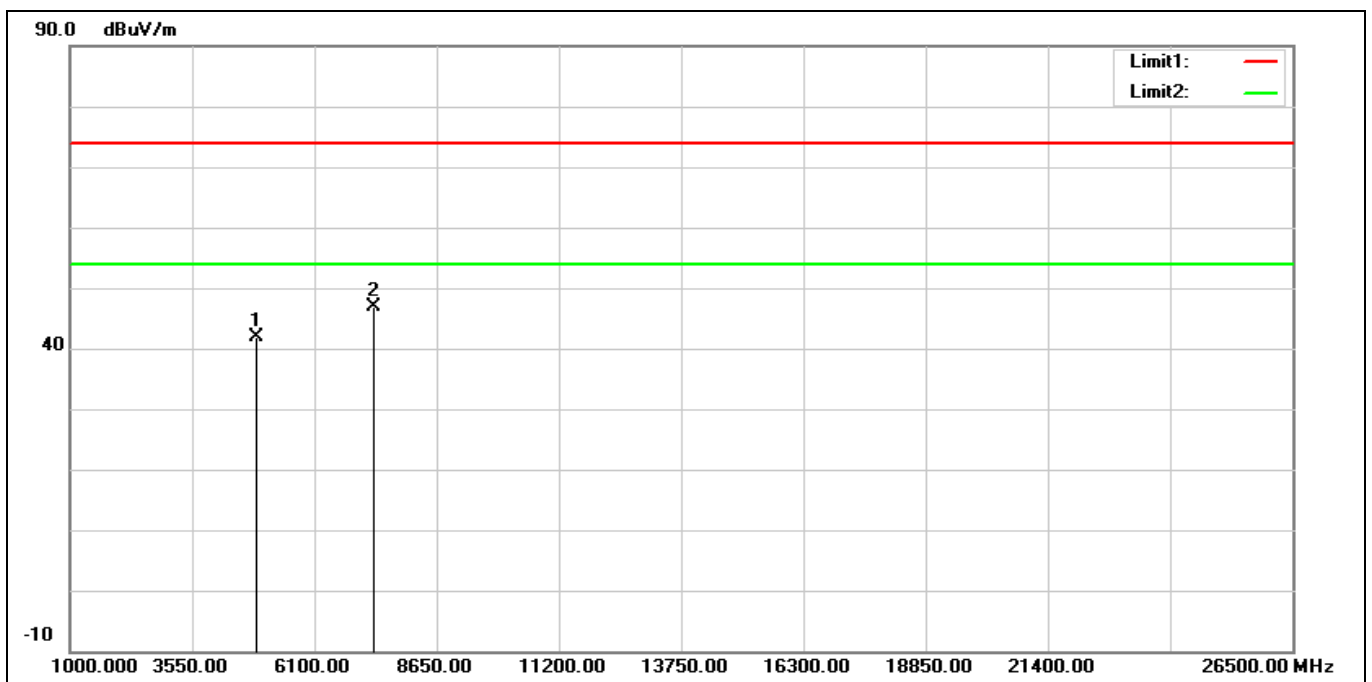
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	39.08	3.75	42.83	74.00	-31.17	peak
2*	7311.000	37.84	8.68	46.52	74.00	-27.48	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2437 MHz		
Remark:			



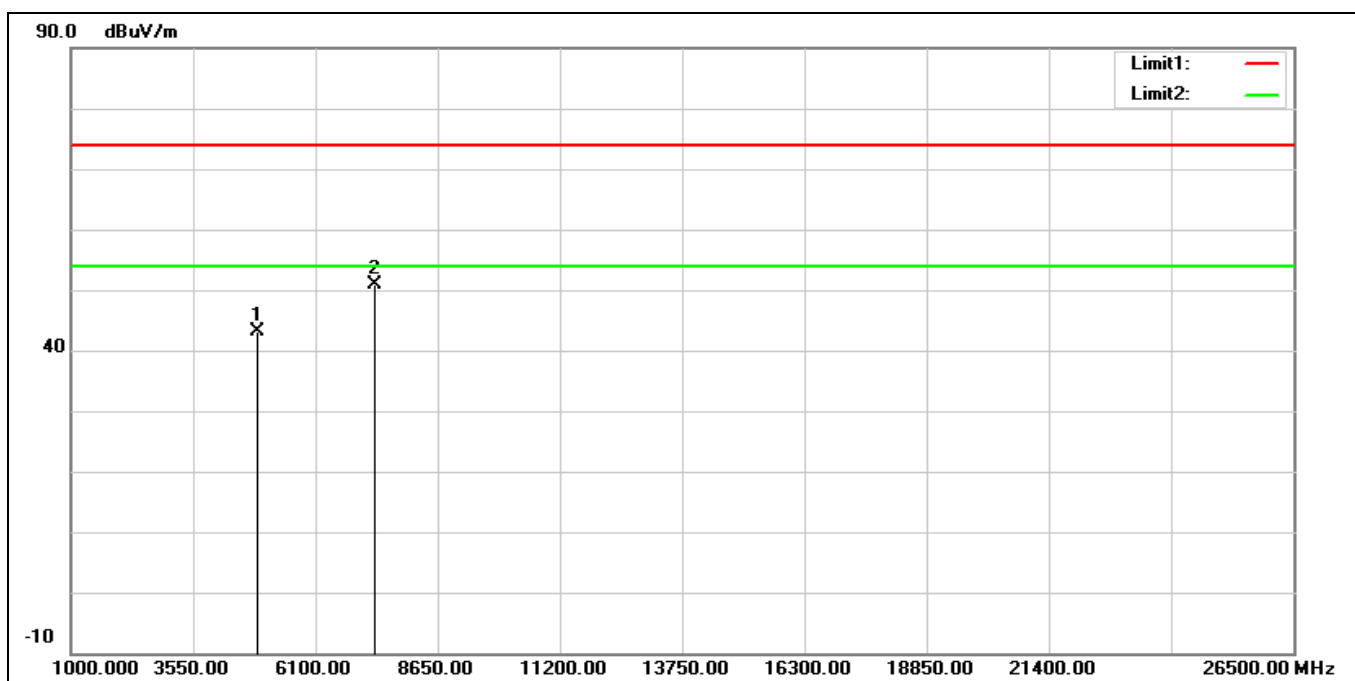
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	41.47	3.75	45.22	74.00	-28.78	peak
2*	7311.000	43.15	8.68	51.83	74.00	-22.17	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2452 MHz		
Remark:			



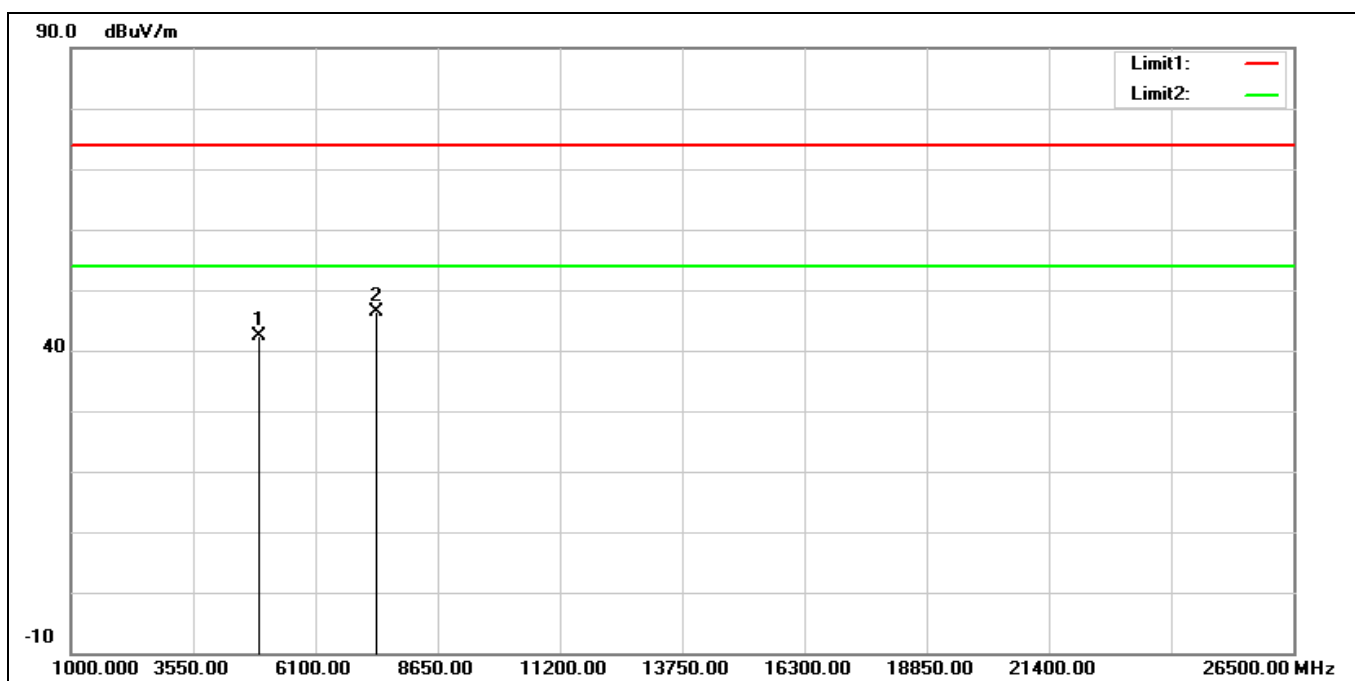
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4904.000	37.74	4.25	41.99	74.00	-32.01	peak
2*	7356.000	37.39	9.43	46.82	74.00	-27.18	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2452 MHz		
Remark:			



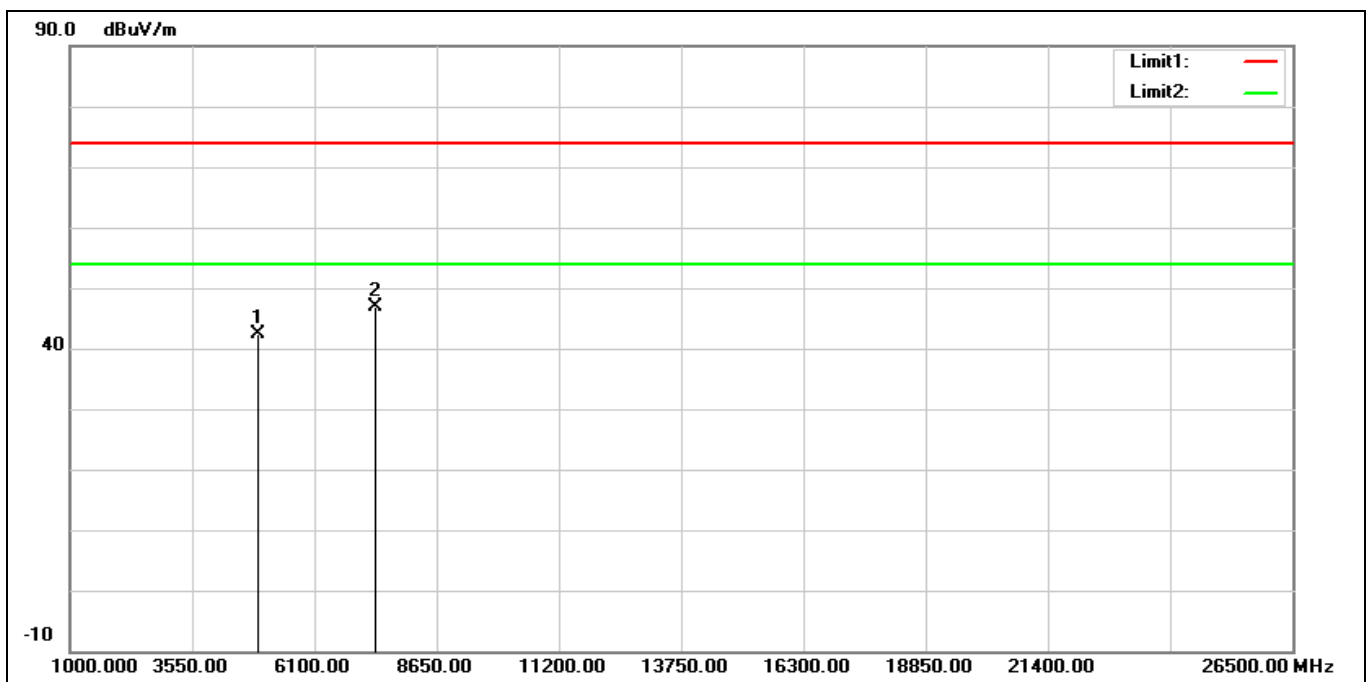
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4904.000	38.80	4.25	43.05	74.00	-30.95	peak
2*	7356.000	41.48	9.43	50.91	74.00	-23.09	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2457 MHz		
Remark:			



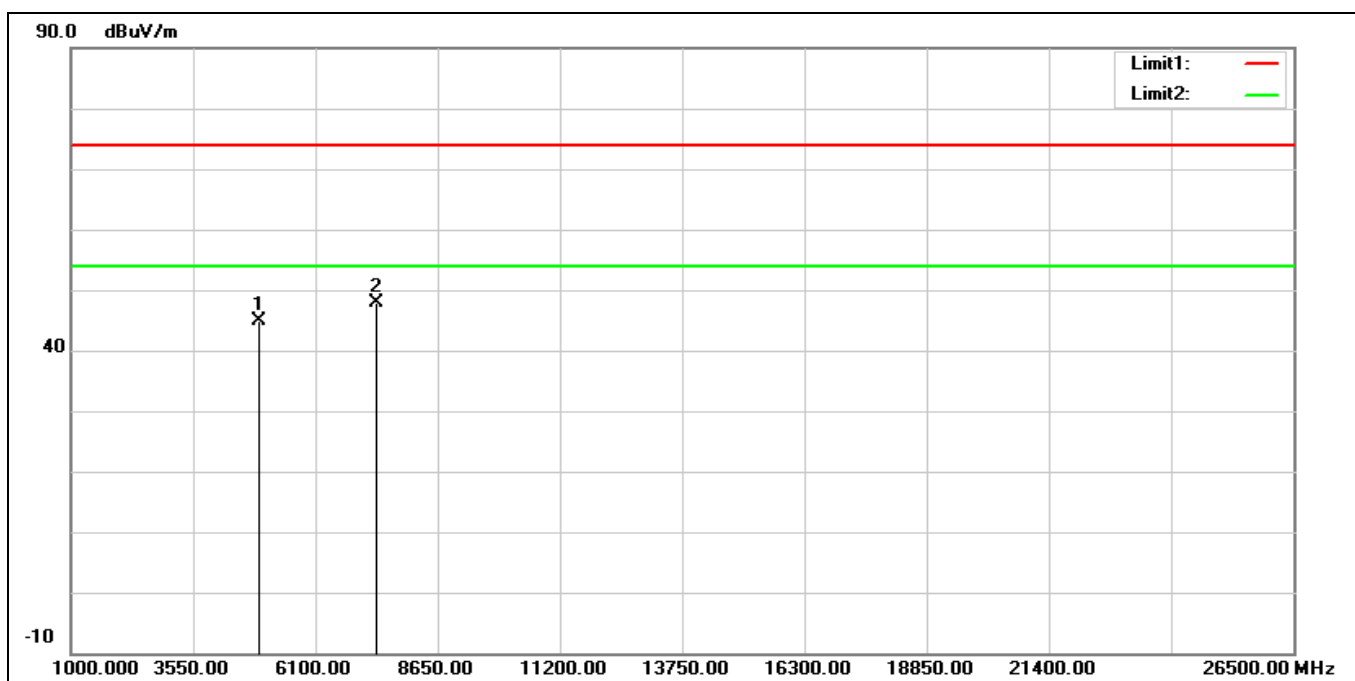
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4914.000	38.04	4.29	42.33	74.00	-31.67	peak
2*	7371.000	36.92	9.48	46.40	74.00	-27.60	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2457 MHz		
Remark:			



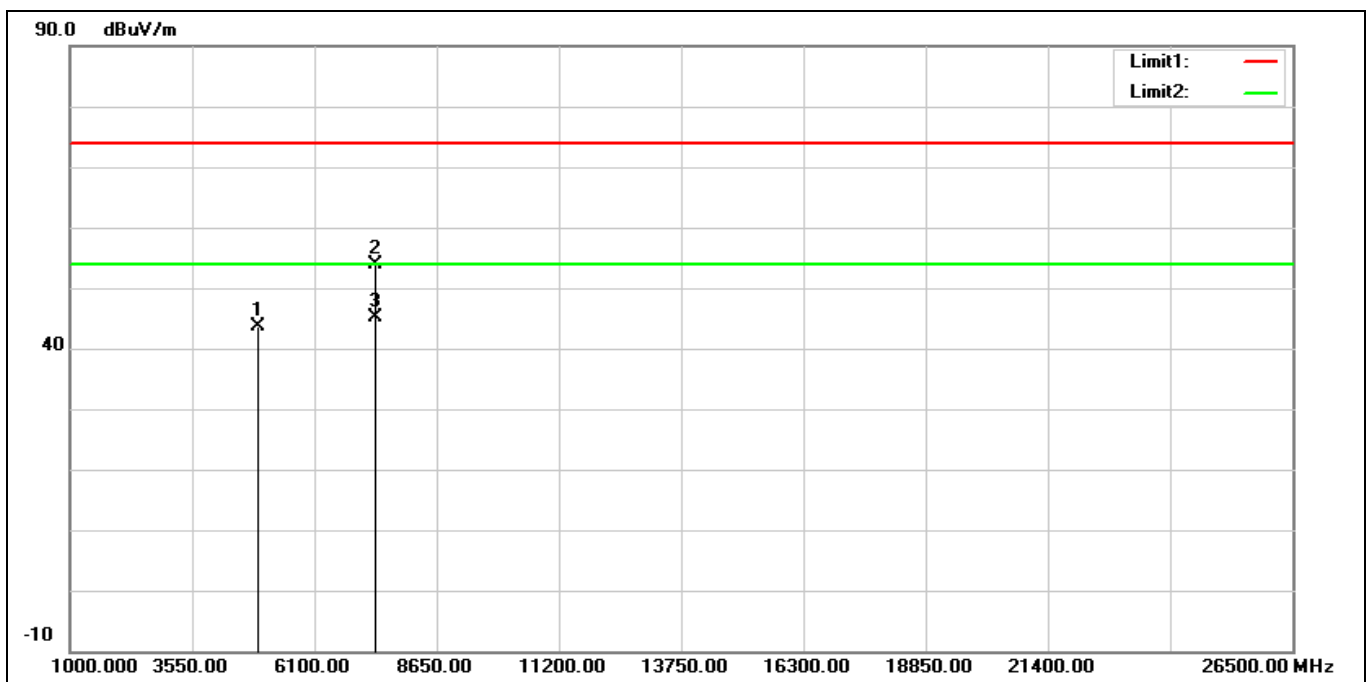
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4914.000	37.97	4.29	42.26	74.00	-31.74	peak
2*	7371.000	37.43	9.48	46.91	74.00	-27.09	peak

Standard:	Part 15C	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	41.06	3.74	44.80	74.00	-29.20	peak
2*	7386.000	39.11	8.83	47.94	74.00	-26.06	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2462 MHz		
Remark:			

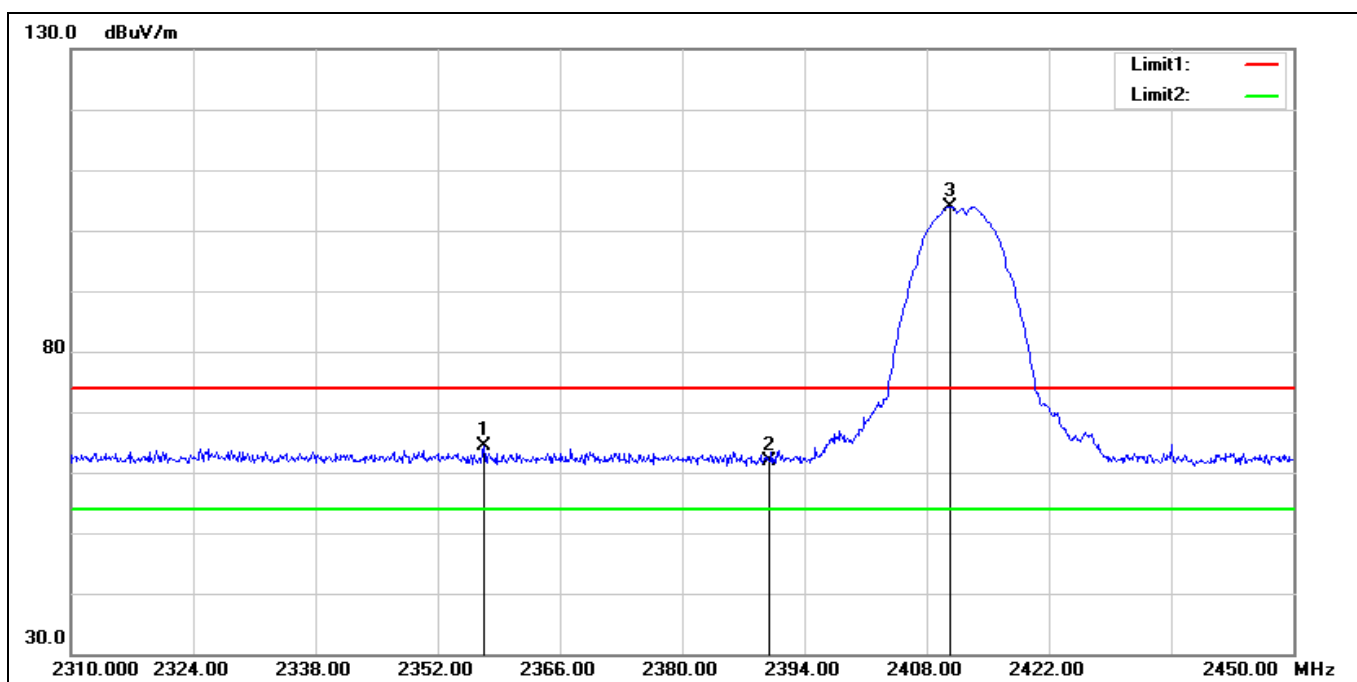


No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	39.77	3.74	43.51	74.00	-30.49	peak
2	7386.000	44.93	8.83	53.76	74.00	-20.24	peak
3*	7386.000	36.38	8.83	45.21	54.00	-8.79	AVG

Band Edge

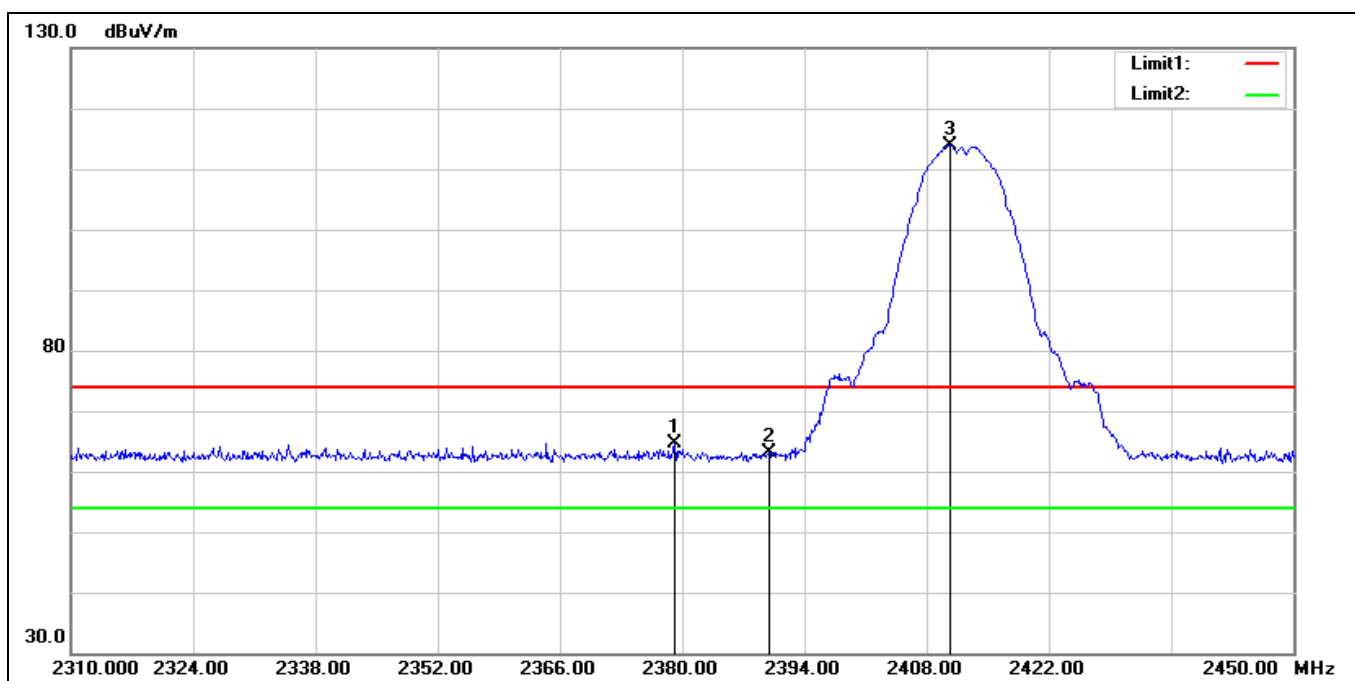
Peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11b 2412 MHz		
Remark:			



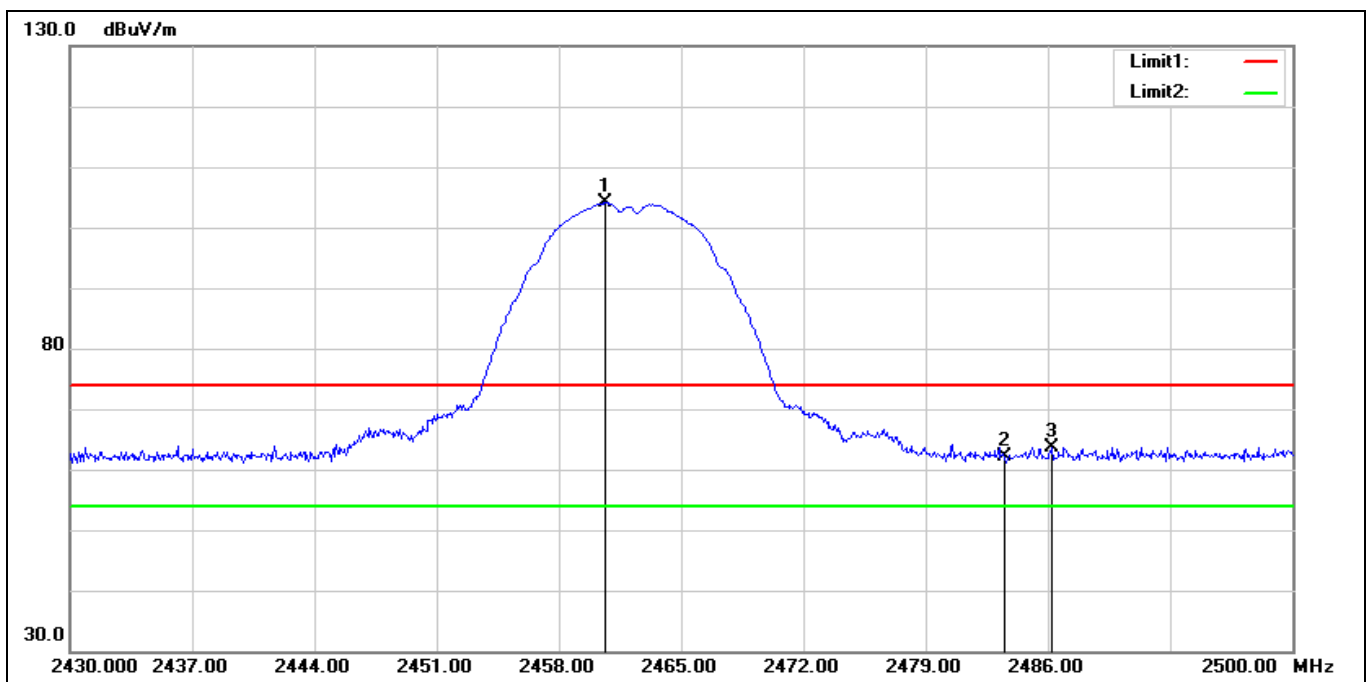
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2357.320	66.88	-2.59	64.29	74.00	-9.71	peak
2	2390.000	64.76	-2.77	61.99	74.00	-12.01	peak
3*	2410.660	106.78	-2.81	103.97	74.00	29.97	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11b 2412 MHz		
Remark:			



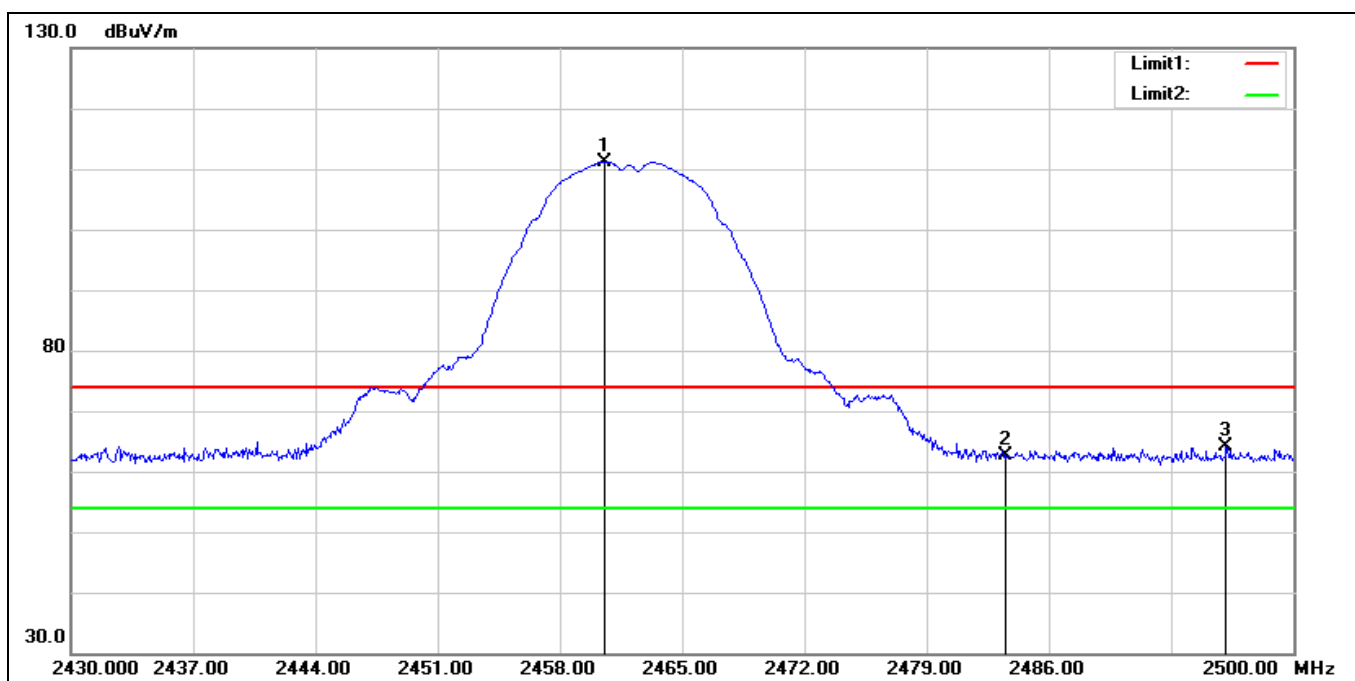
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2379.160	67.33	-2.71	64.62	74.00	-9.38	peak
2	2390.000	65.85	-2.77	63.08	74.00	-10.92	peak
3*	2410.660	116.73	-2.81	113.92	74.00	39.92	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11b 2462 MHz		
Remark:			



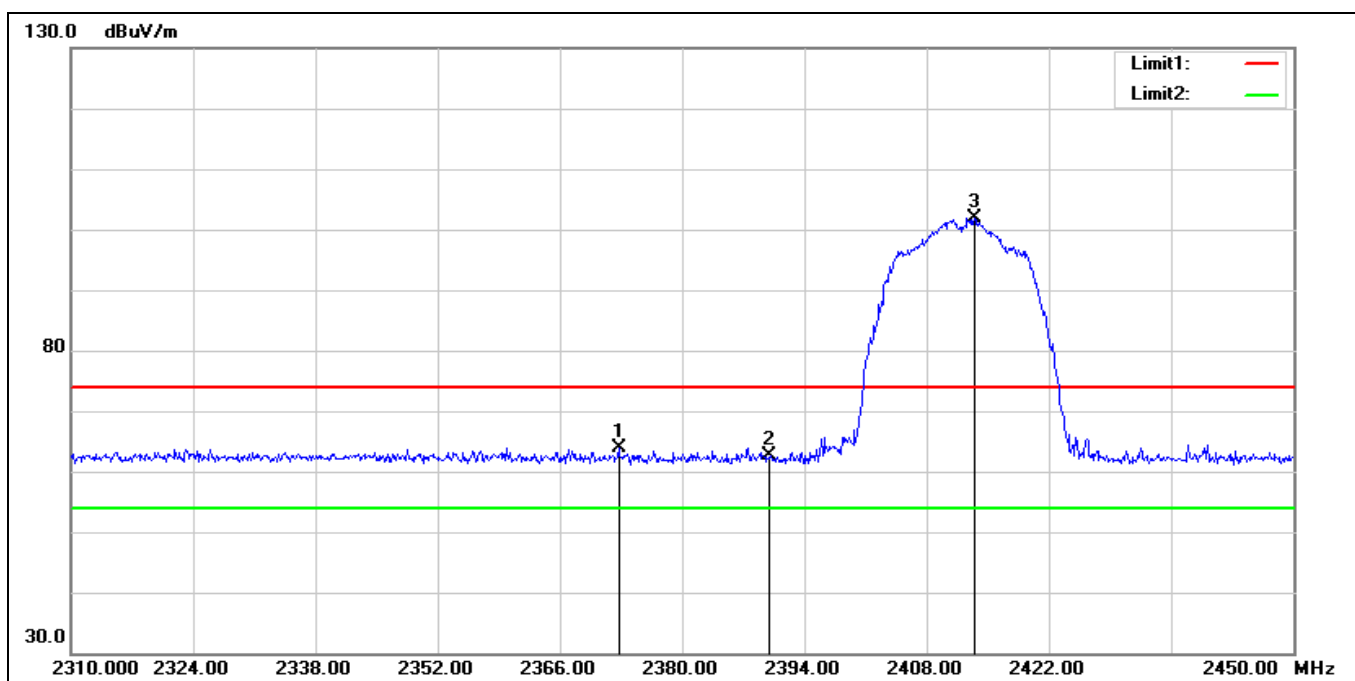
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2460.660	106.82	-2.76	104.06	74.00	30.06	peak
2	2483.500	64.97	-2.74	62.23	74.00	-11.77	peak
3	2486.210	66.48	-2.74	63.74	74.00	-10.26	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11b 2462 MHz		
Remark:			



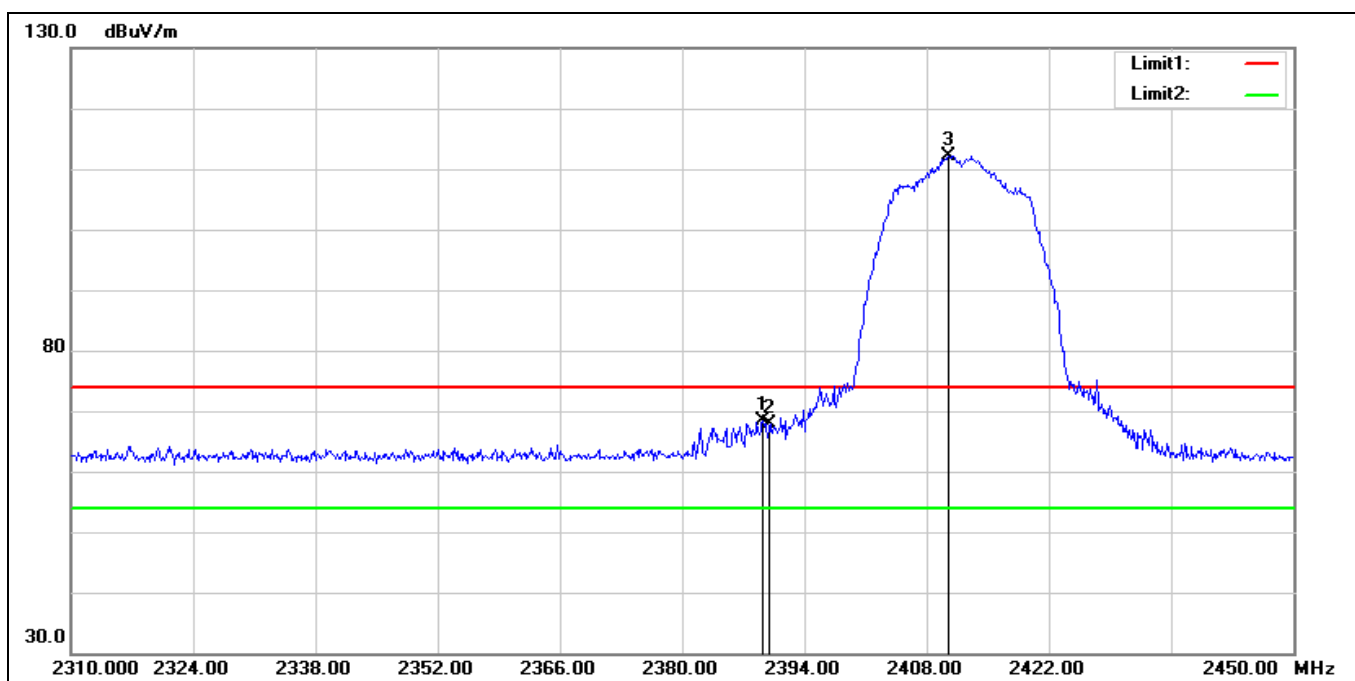
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2460.590	114.00	-2.76	111.24	74.00	37.24	peak
2	2483.500	65.41	-2.74	62.67	74.00	-11.33	peak
3	2496.150	66.92	-2.73	64.19	74.00	-9.81	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2412 MHz		
Remark:			



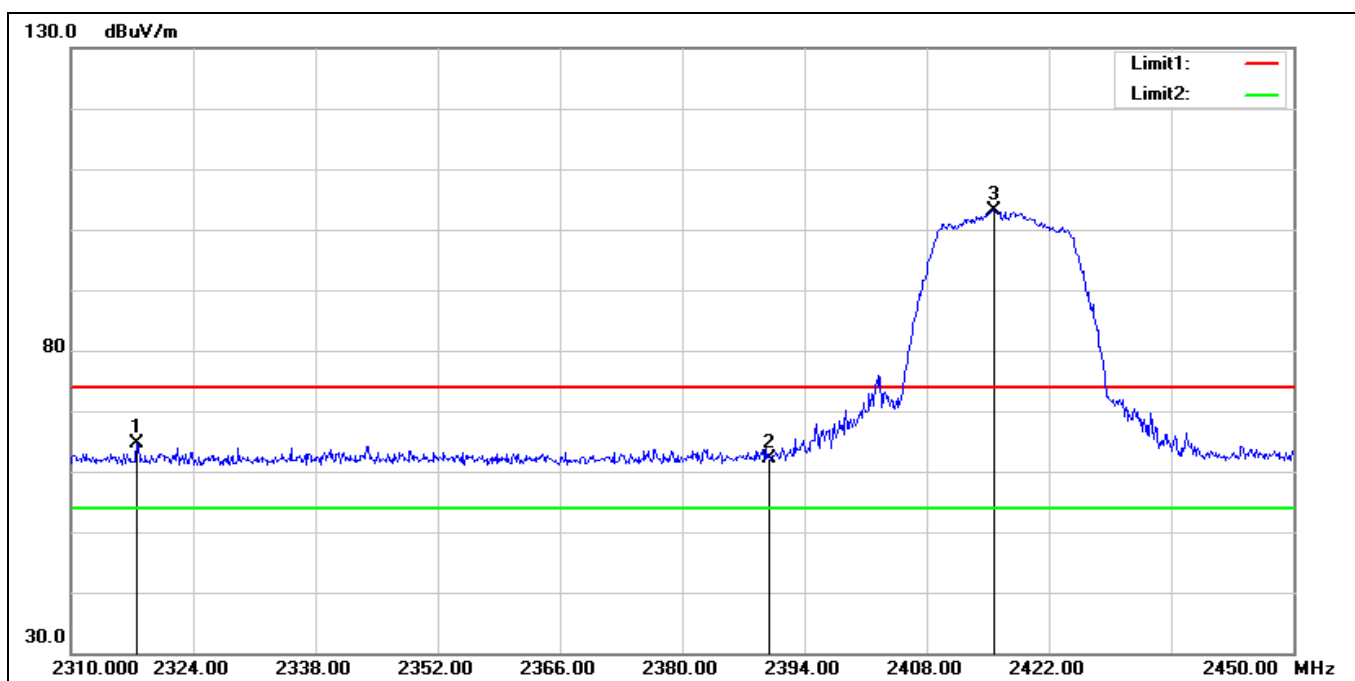
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2372.720	66.65	-2.67	63.98	74.00	-10.02	peak
2	2390.000	65.28	-2.77	62.51	74.00	-11.49	peak
3*	2413.460	104.73	-2.81	101.92	74.00	27.92	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2412 MHz		
Remark:			



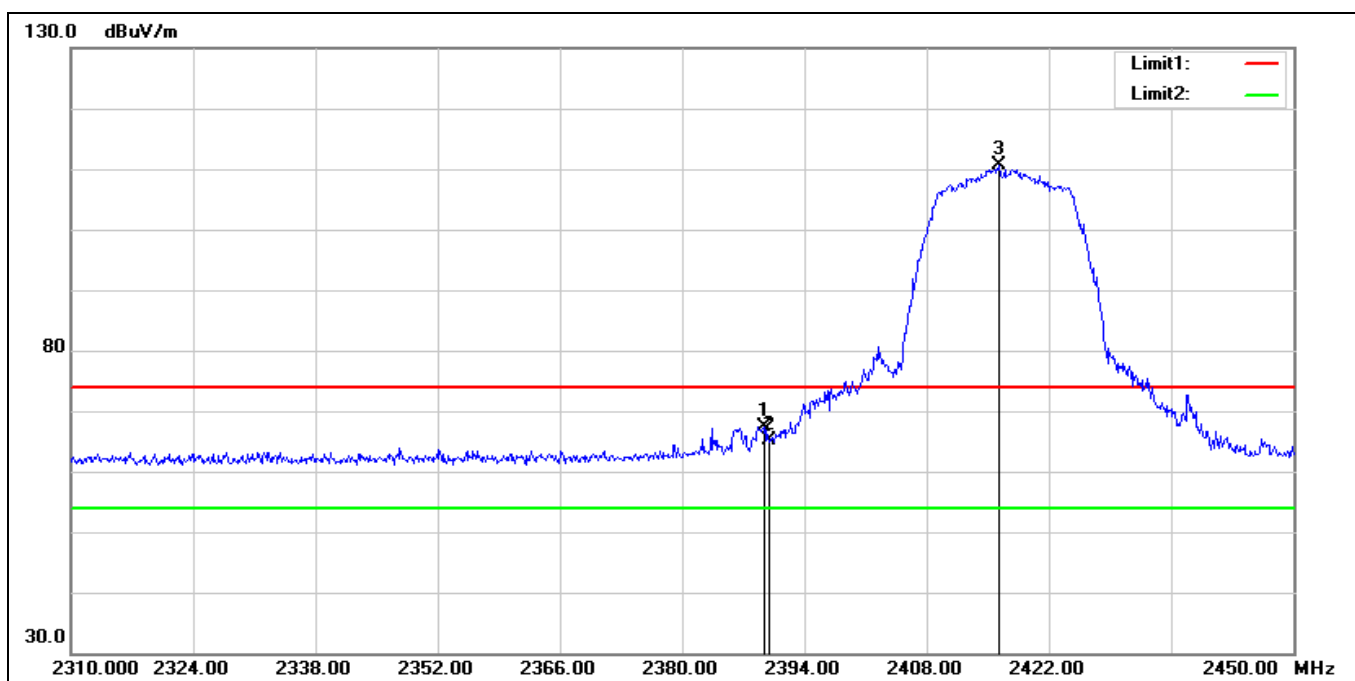
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.240	71.14	-2.77	68.37	74.00	-5.63	peak
2	2390.000	70.53	-2.77	67.76	74.00	-6.24	peak
3*	2410.520	115.04	-2.81	112.23	74.00	38.23	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2417 MHz		
Remark:			



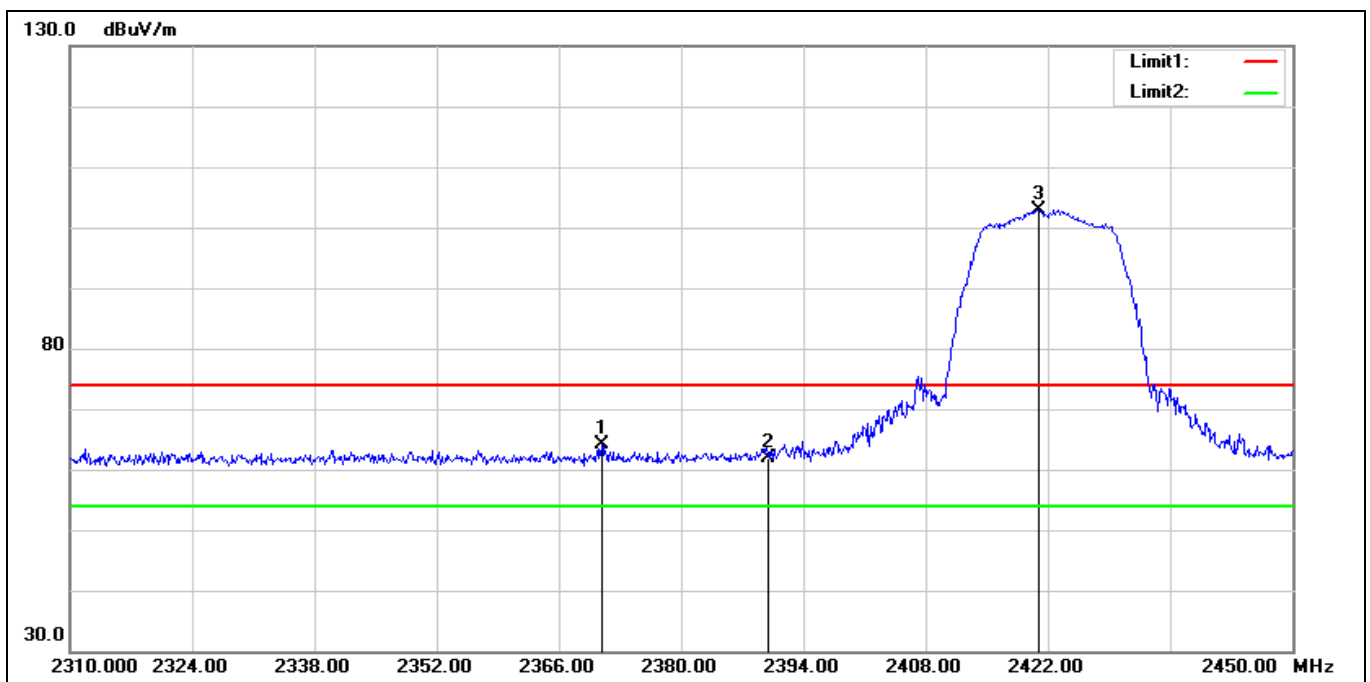
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2317.560	67.45	-2.94	64.51	74.00	-9.49	peak
2	2390.000	64.68	-2.67	62.01	74.00	-11.99	peak
3*	2415.700	105.75	-2.58	103.17	74.00	29.17	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2417 MHz		
Remark:			



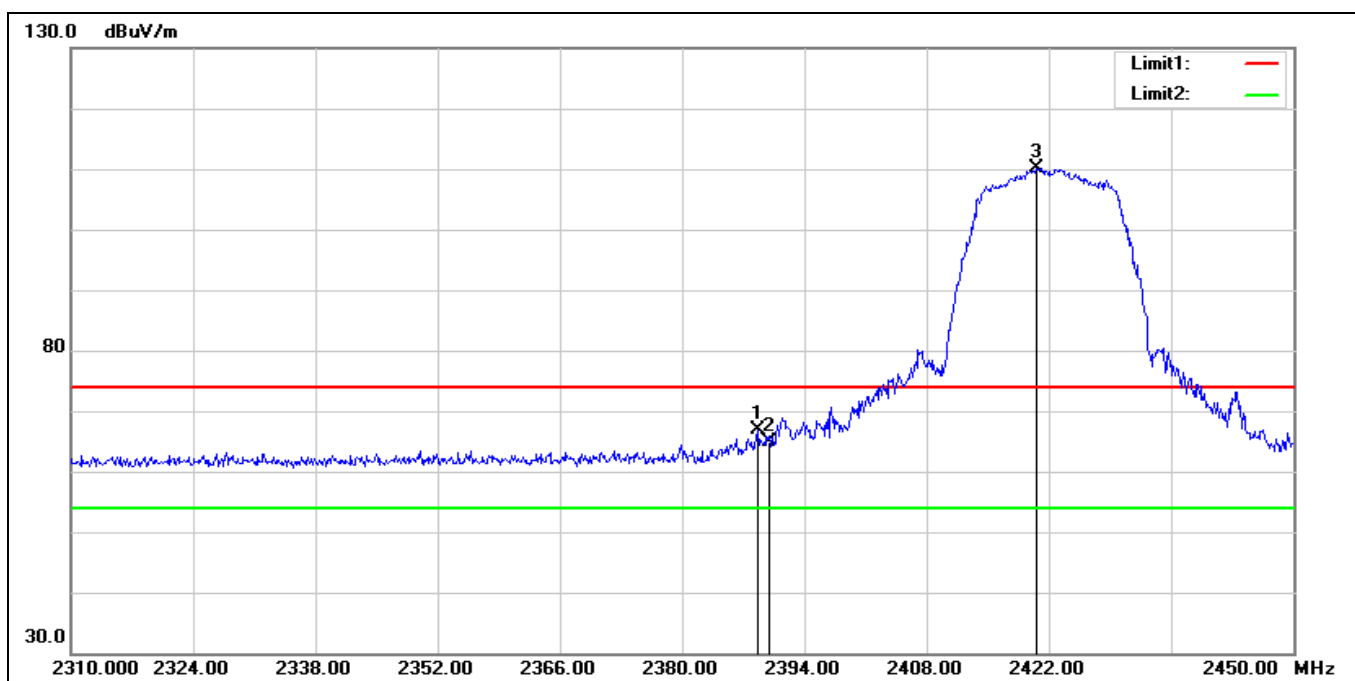
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.380	70.14	-2.67	67.47	74.00	-6.53	peak
2	2390.000	67.72	-2.67	65.05	74.00	-8.95	peak
3*	2416.260	113.14	-2.57	110.57	74.00	36.57	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2422 MHz		
Remark:			



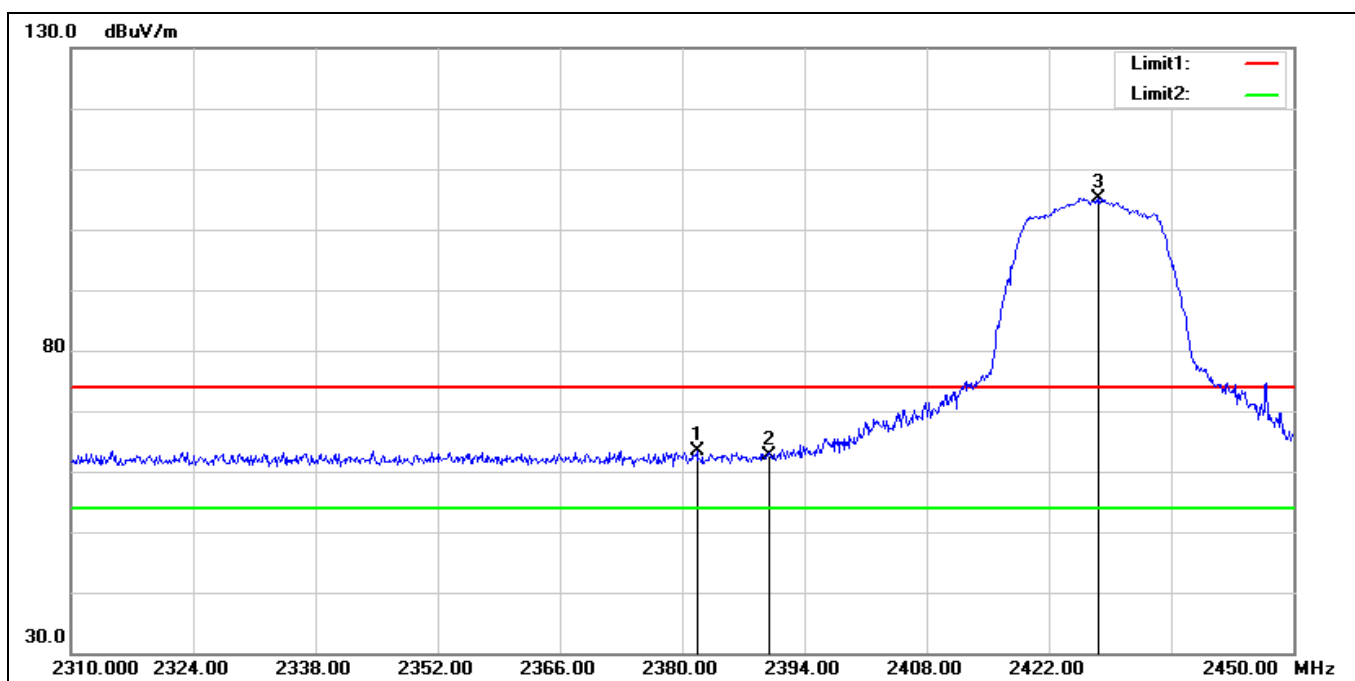
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2370.900	66.88	-2.73	64.15	74.00	-9.85	peak
2	2390.000	64.66	-2.67	61.99	74.00	-12.01	peak
3*	2421.020	105.46	-2.55	102.91	74.00	28.91	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2422 MHz		
Remark:			



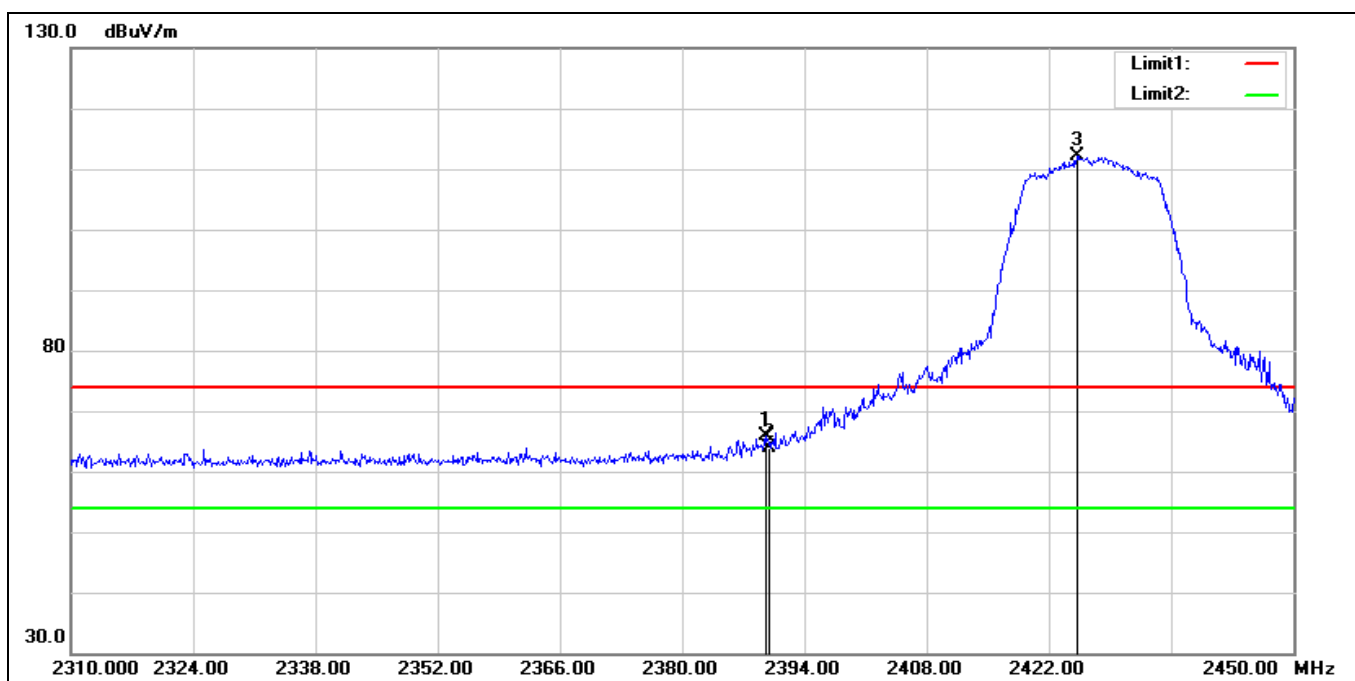
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.680	69.44	-2.67	66.77	74.00	-7.23	peak
2	2390.000	67.45	-2.67	64.78	74.00	-9.22	peak
3*	2420.600	112.80	-2.55	110.25	74.00	36.25	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2427 MHz		
Remark:			



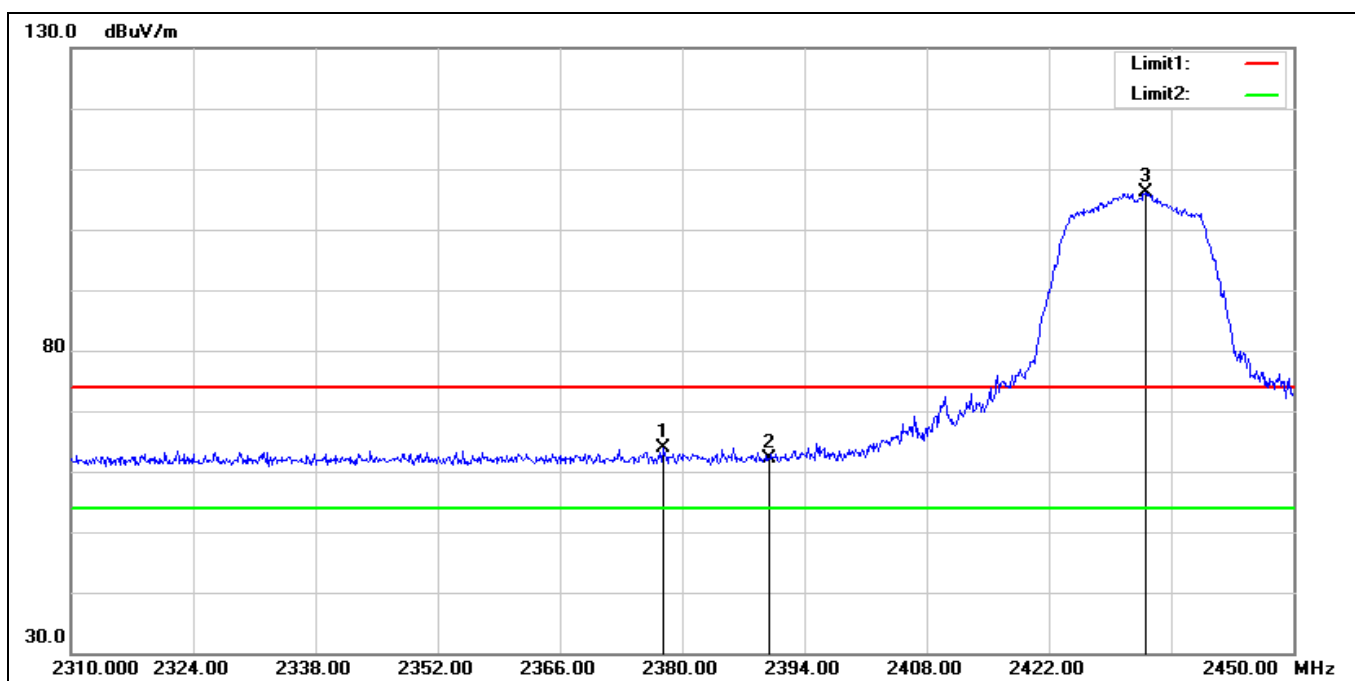
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2381.680	66.16	-2.70	63.46	74.00	-10.54	peak
2	2390.000	65.24	-2.67	62.57	74.00	-11.43	peak
3*	2427.740	107.66	-2.52	105.14	74.00	31.14	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2427 MHz		
Remark:			



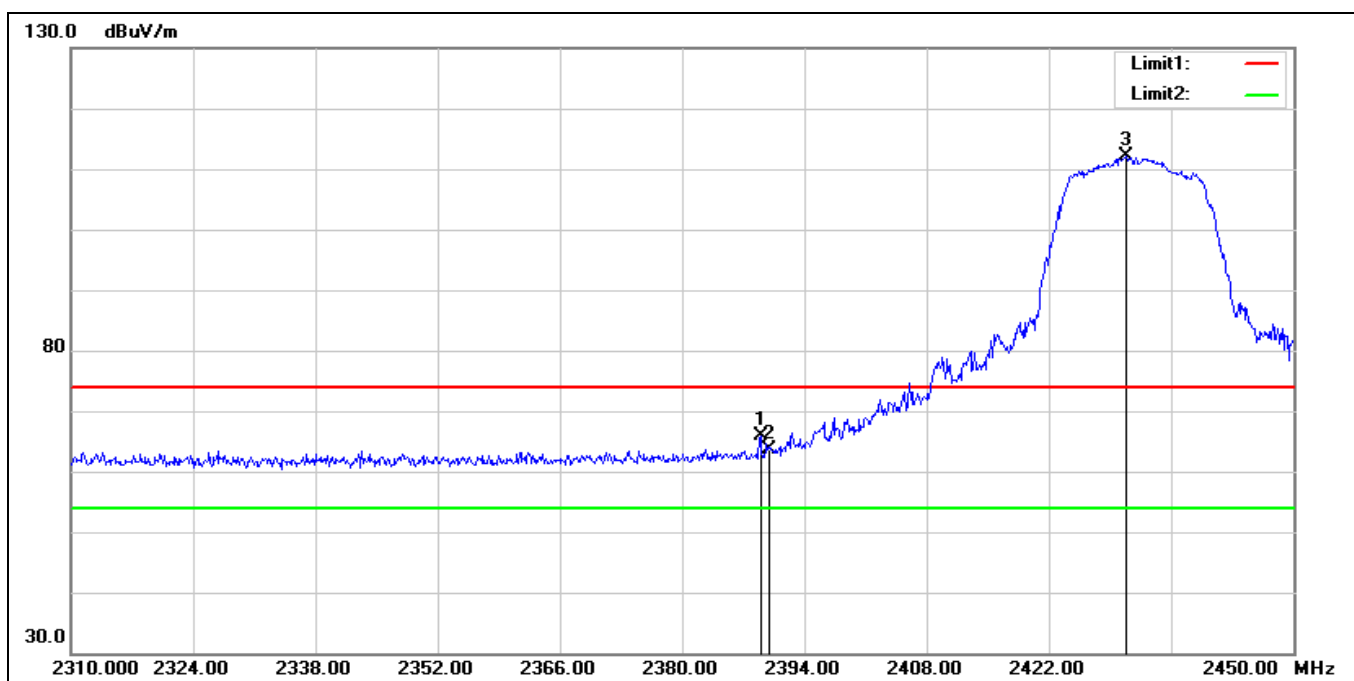
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.520	68.47	-2.67	65.80	74.00	-8.20	peak
2	2390.000	66.53	-2.67	63.86	74.00	-10.14	peak
3*	2425.220	114.71	-2.54	112.17	74.00	38.17	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2432 MHz		
Remark:			



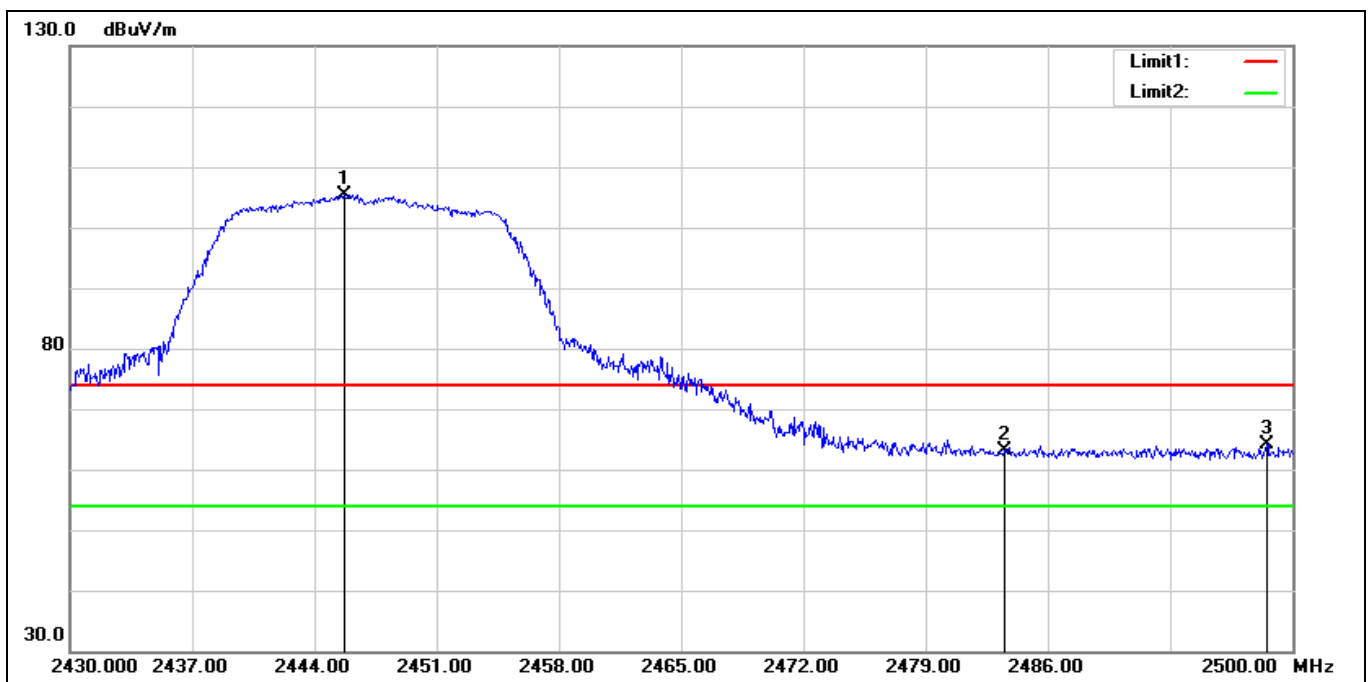
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2377.760	66.64	-2.71	63.93	74.00	-10.07	peak
2	2390.000	64.85	-2.67	62.18	74.00	-11.82	peak
3*	2433.060	108.58	-2.51	106.07	74.00	32.07	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2432 MHz		
Remark:			



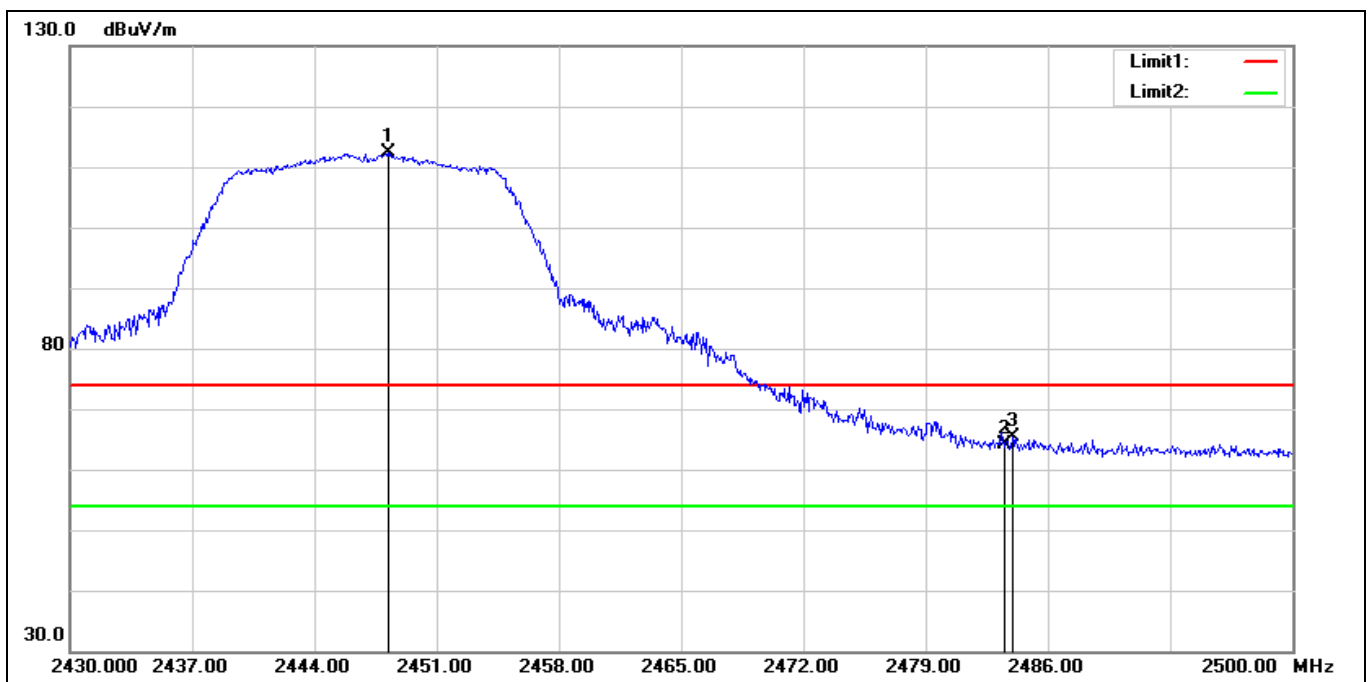
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.960	68.43	-2.67	65.76	74.00	-8.24	peak
2	2390.000	66.34	-2.67	63.67	74.00	-10.33	peak
3*	2430.820	114.57	-2.51	112.06	74.00	38.06	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2447 MHz		
Remark:			



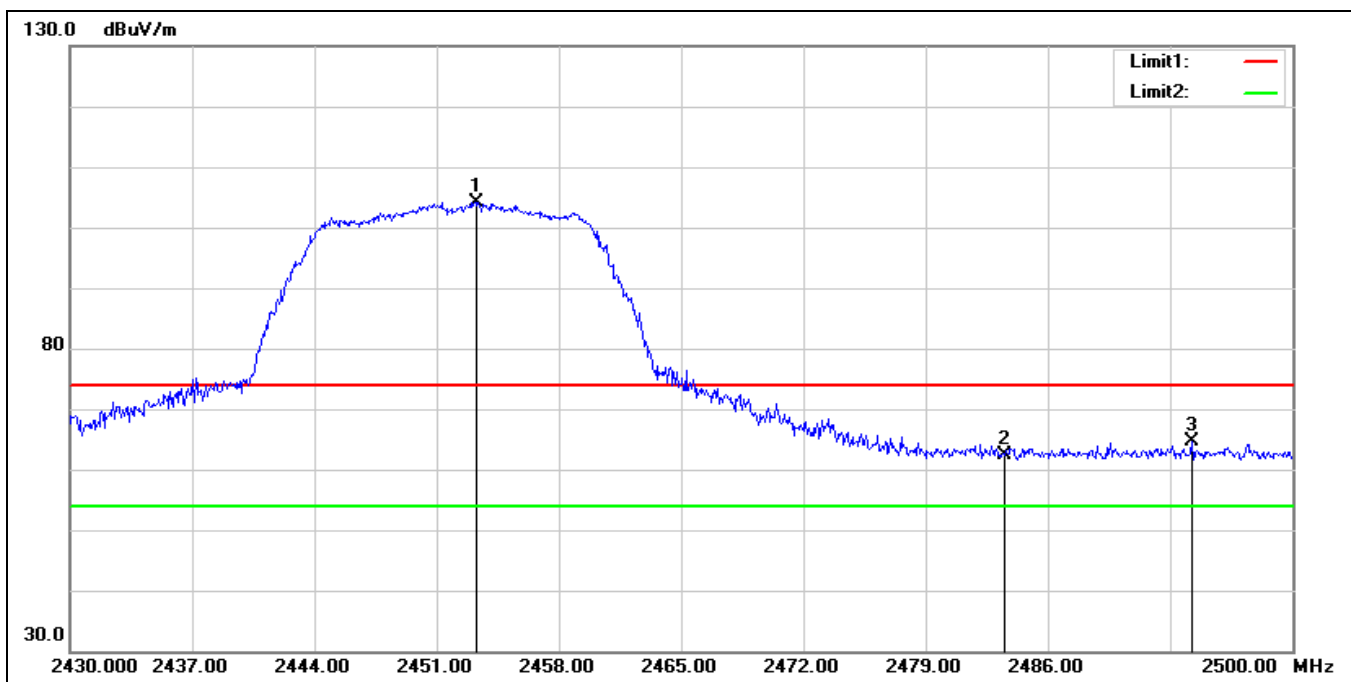
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2445.750	107.92	-2.46	105.46	74.00	31.46	peak
2	2483.500	65.56	-2.32	63.24	74.00	-10.76	peak
3	2498.530	66.28	-2.25	64.03	74.00	-9.97	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2447 MHz		
Remark:			



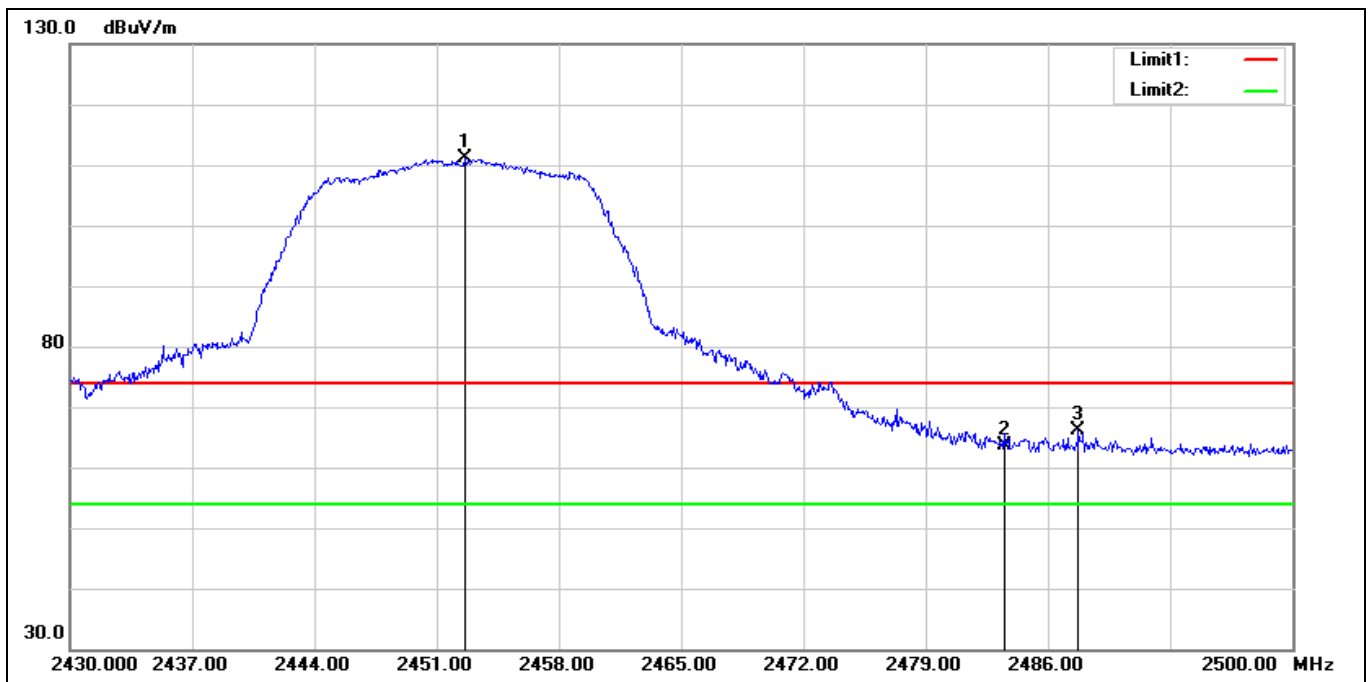
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2448.200	114.76	-2.45	112.31	74.00	38.31	peak
2	2483.500	66.57	-2.32	64.25	74.00	-9.75	peak
3	2483.970	67.67	-2.31	65.36	74.00	-8.64	peak

Standard: Part 15C Test Site: 966 Chamber
Polarization: Horizontal
Test Mode: 802.11g 2452 MHz
Remark:



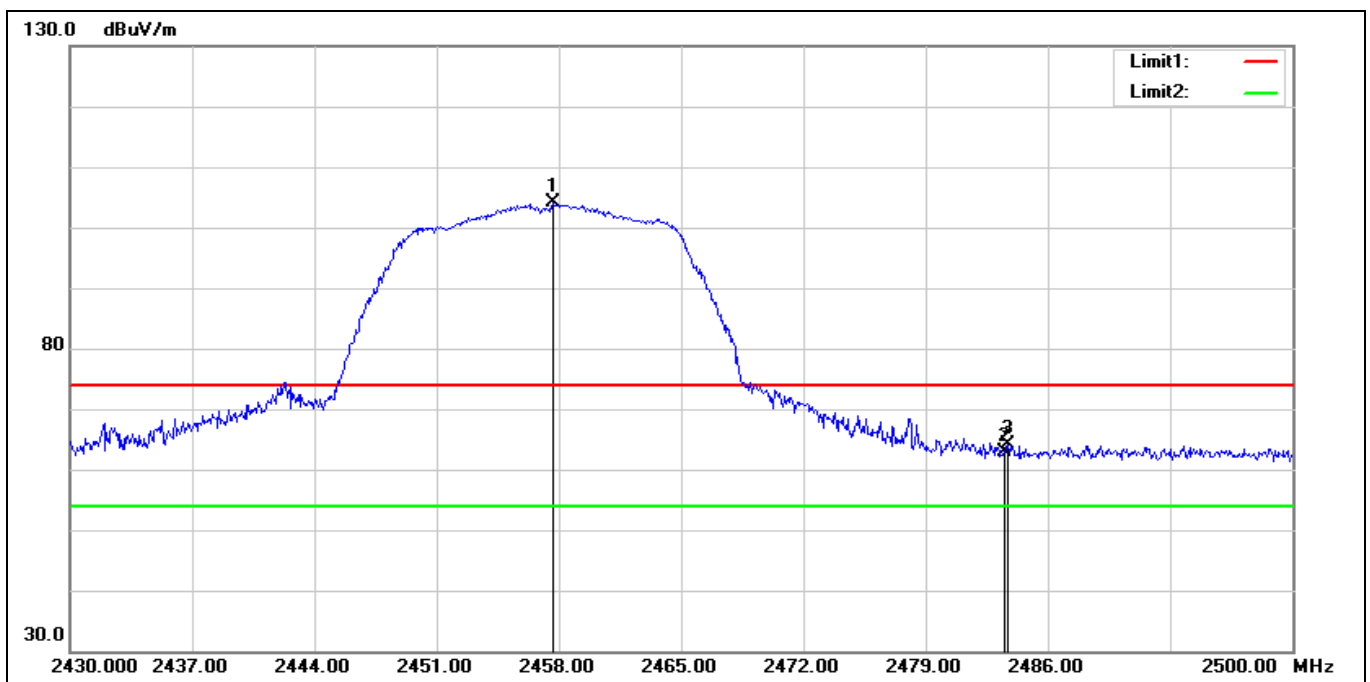
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2453.240	106.57	-2.43	104.14	74.00	30.14	peak
2	2483.500	64.58	-2.32	62.26	74.00	-11.74	peak
3	2494.260	66.94	-2.28	64.66	74.00	-9.34	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2452 MHz		
Remark:			



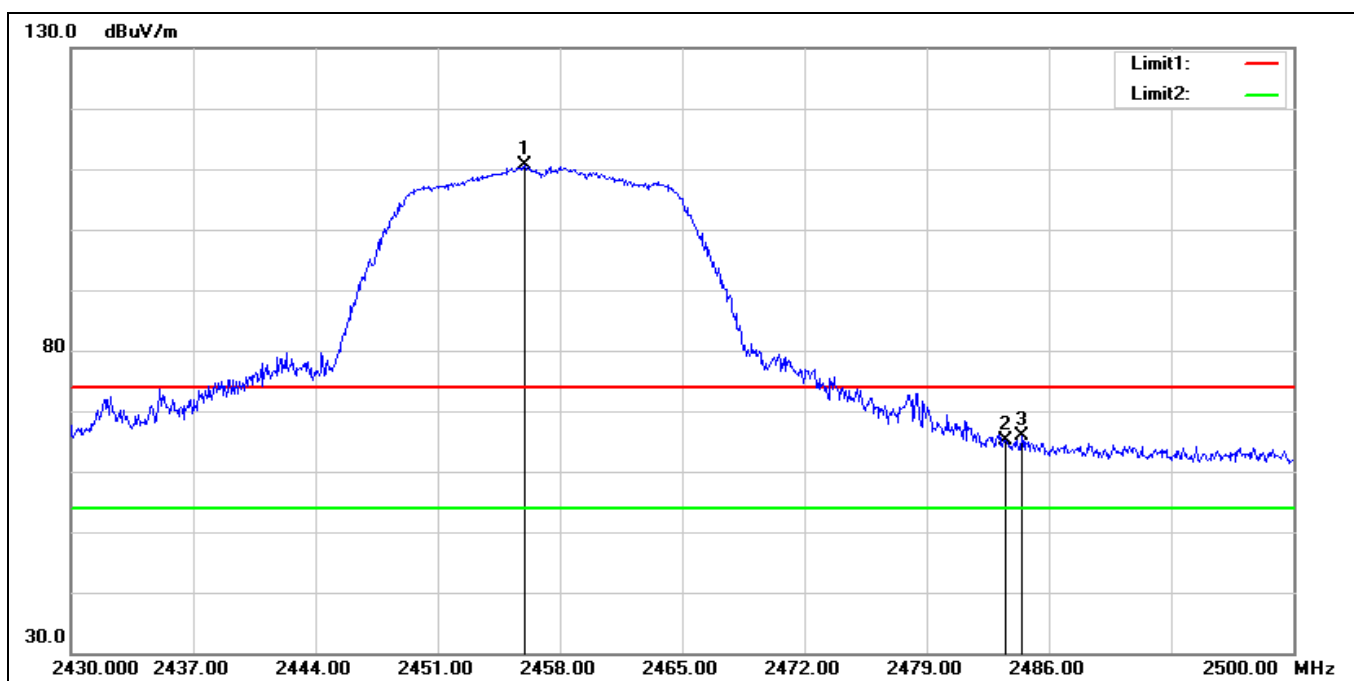
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2452.610	113.52	-2.43	111.09	74.00	37.09	peak
2	2483.500	65.88	-2.32	63.56	74.00	-10.44	peak
3	2487.750	68.46	-2.29	66.17	74.00	-7.83	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2457 MHz		
Remark:			



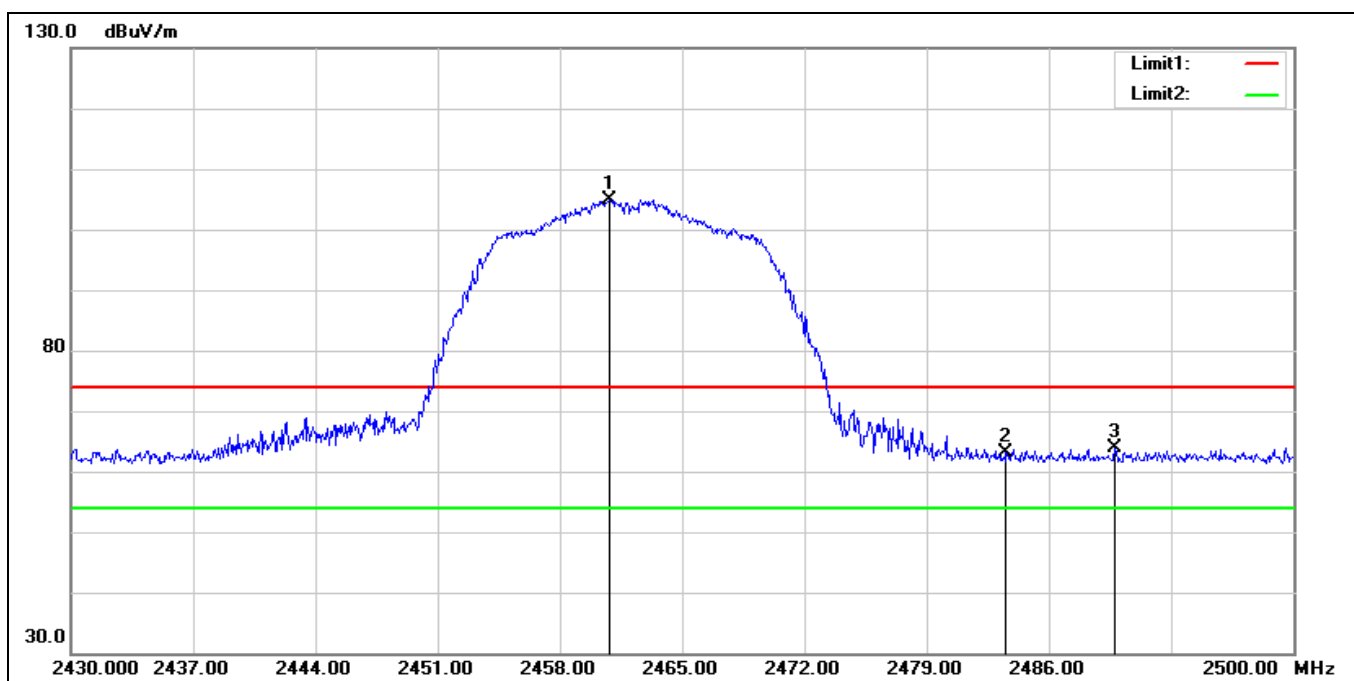
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2457.650	106.42	-2.41	104.01	74.00	30.01	peak
2	2483.500	65.25	-2.32	62.93	74.00	-11.07	peak
3	2483.690	66.57	-2.32	64.25	74.00	-9.75	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2457 MHz		
Remark:			



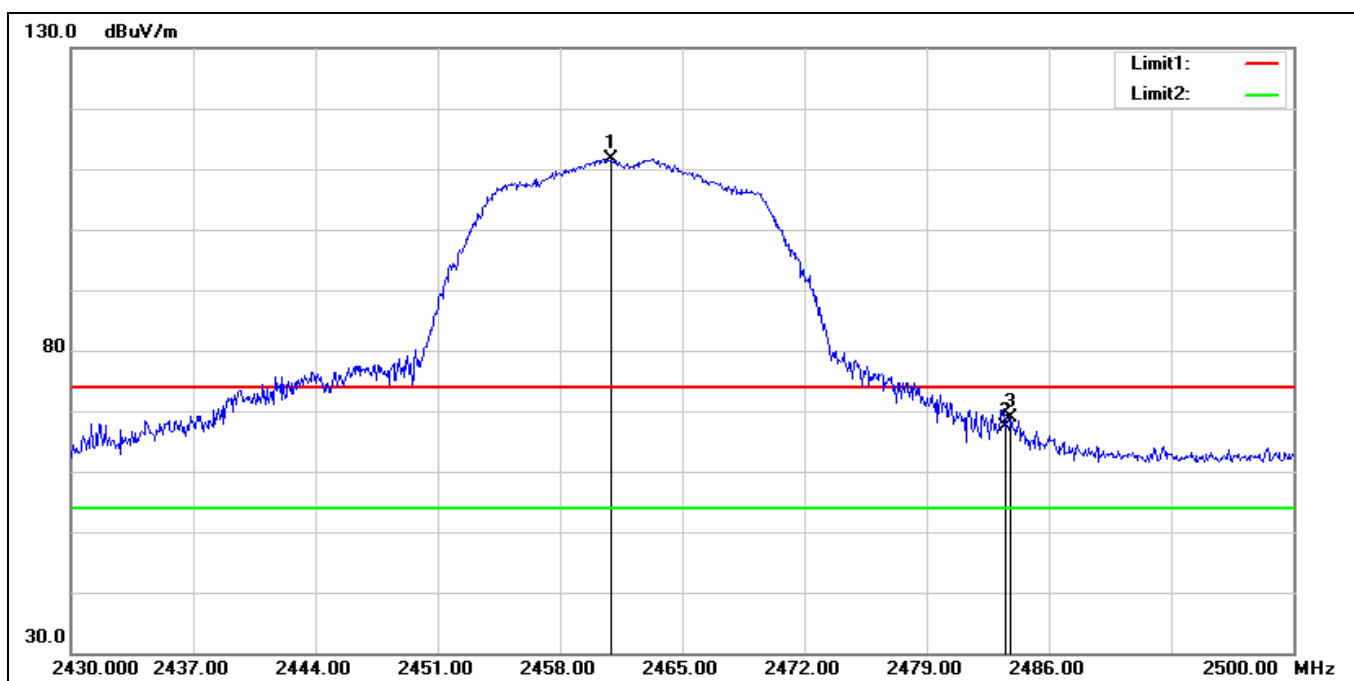
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2455.970	112.99	-2.41	110.58	74.00	36.58	peak
2	2483.500	67.39	-2.32	65.07	74.00	-8.93	peak
3	2484.460	68.30	-2.31	65.99	74.00	-8.01	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2462 MHz		
Remark:			



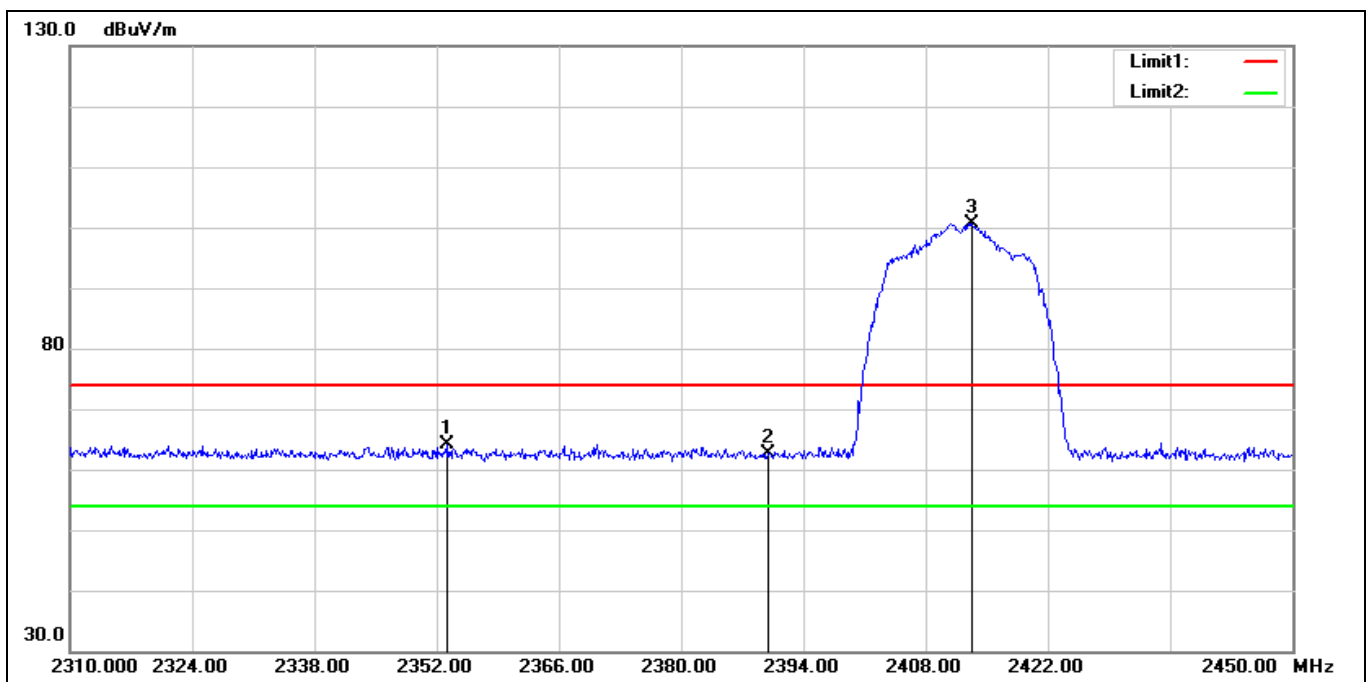
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2460.800	107.61	-2.76	104.85	74.00	30.85	peak
2	2483.500	65.82	-2.74	63.08	74.00	-10.92	peak
3	2489.780	66.61	-2.74	63.87	74.00	-10.13	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2462 MHz		
Remark:			



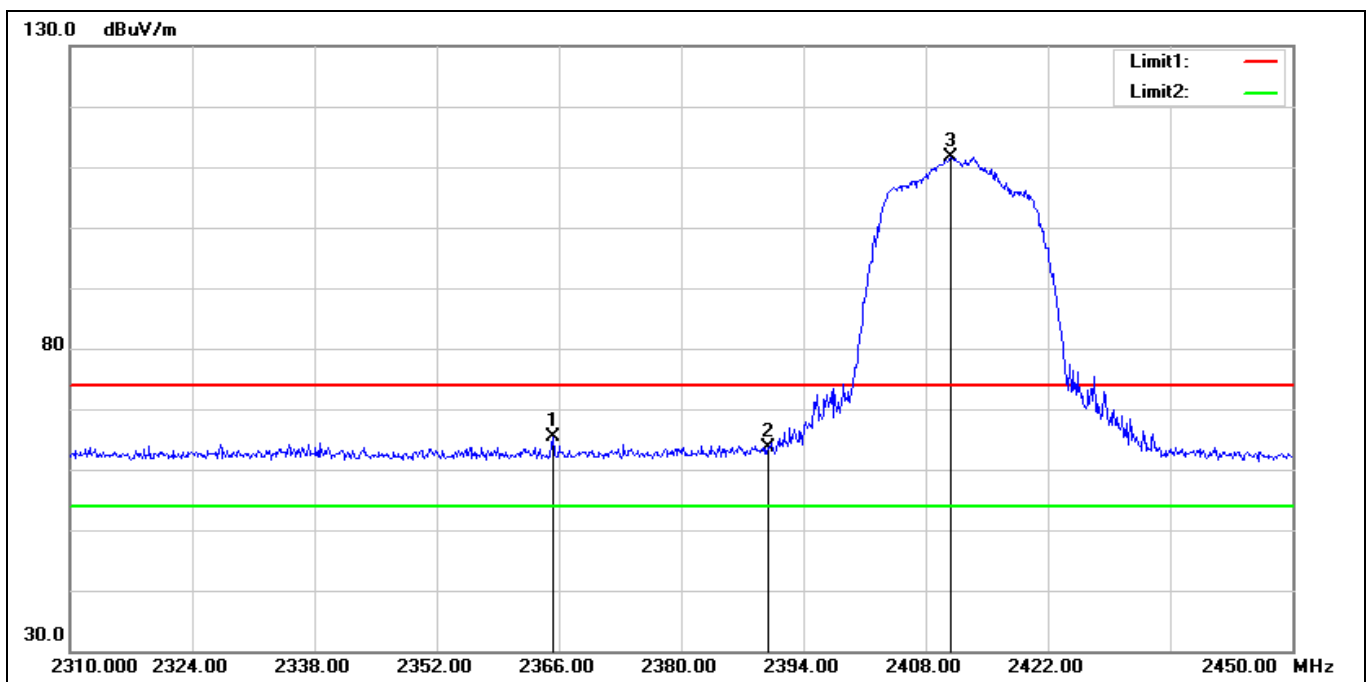
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2460.940	114.43	-2.76	111.67	74.00	37.67	peak
2	2483.500	70.09	-2.74	67.35	74.00	-6.65	peak
3	2483.830	71.55	-2.74	68.81	74.00	-5.19	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2412 MHz		
Remark:			



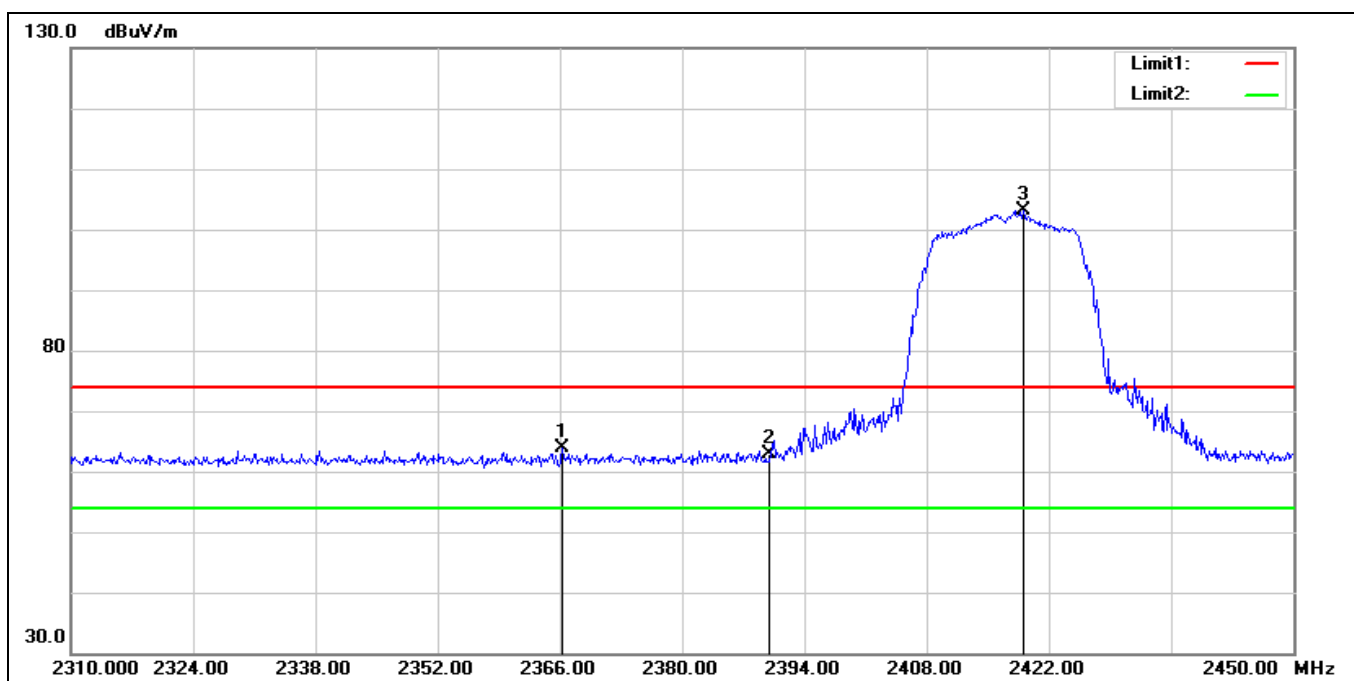
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2353.260	66.62	-2.57	64.05	74.00	-9.95	peak
2	2390.000	65.44	-2.77	62.67	74.00	-11.33	peak
3*	2413.320	103.53	-2.81	100.72	74.00	26.72	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2412 MHz		
Remark:			



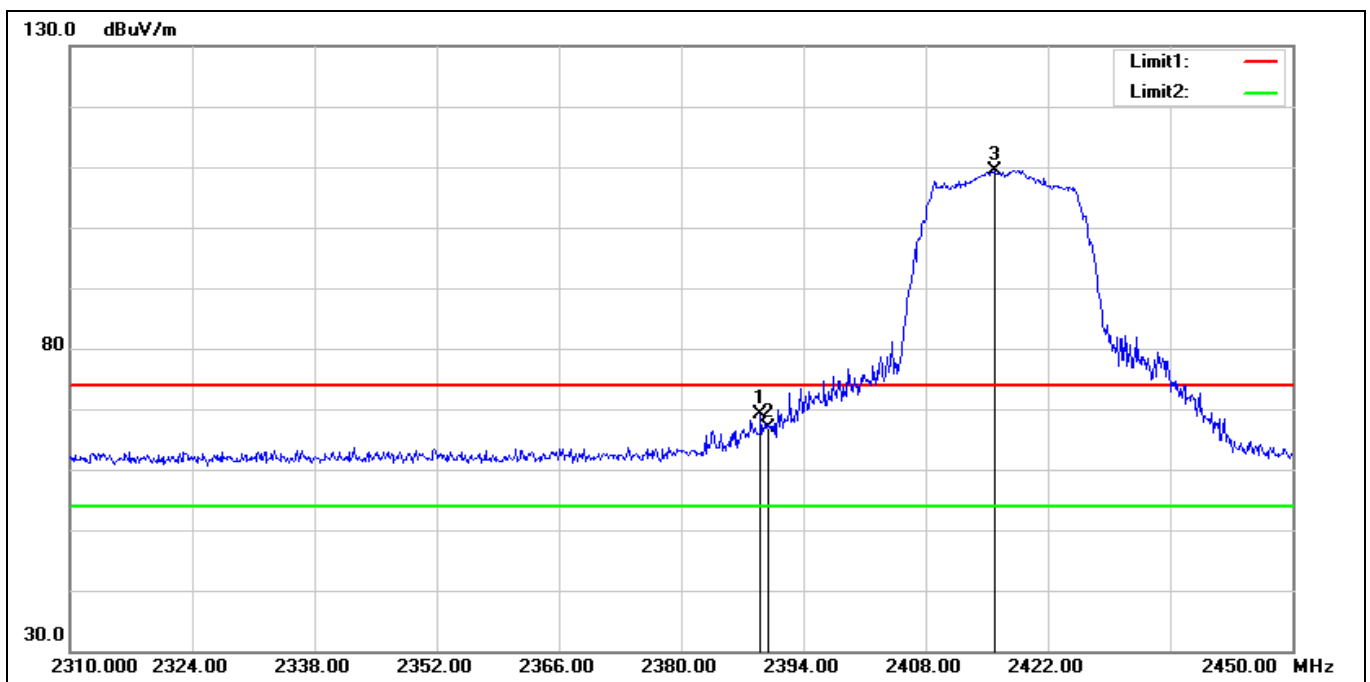
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2365.300	67.98	-2.63	65.35	74.00	-8.65	peak
2	2390.000	66.51	-2.77	63.74	74.00	-10.26	peak
3*	2410.800	114.39	-2.81	111.58	74.00	37.58	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2417 MHz		
Remark:			



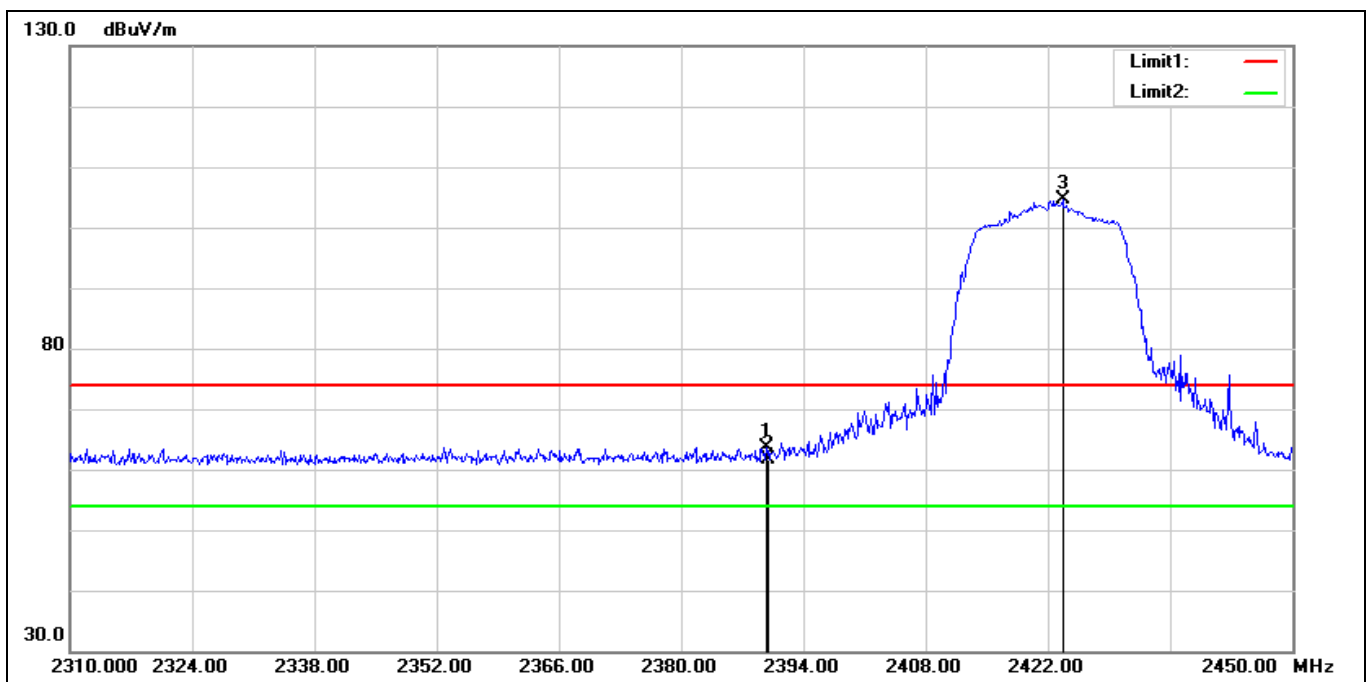
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2366.280	66.58	-2.75	63.83	74.00	-10.17	peak
2	2390.000	65.43	-2.67	62.76	74.00	-11.24	peak
3*	2419.060	105.81	-2.56	103.25	74.00	29.25	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2417 MHz		
Remark:			



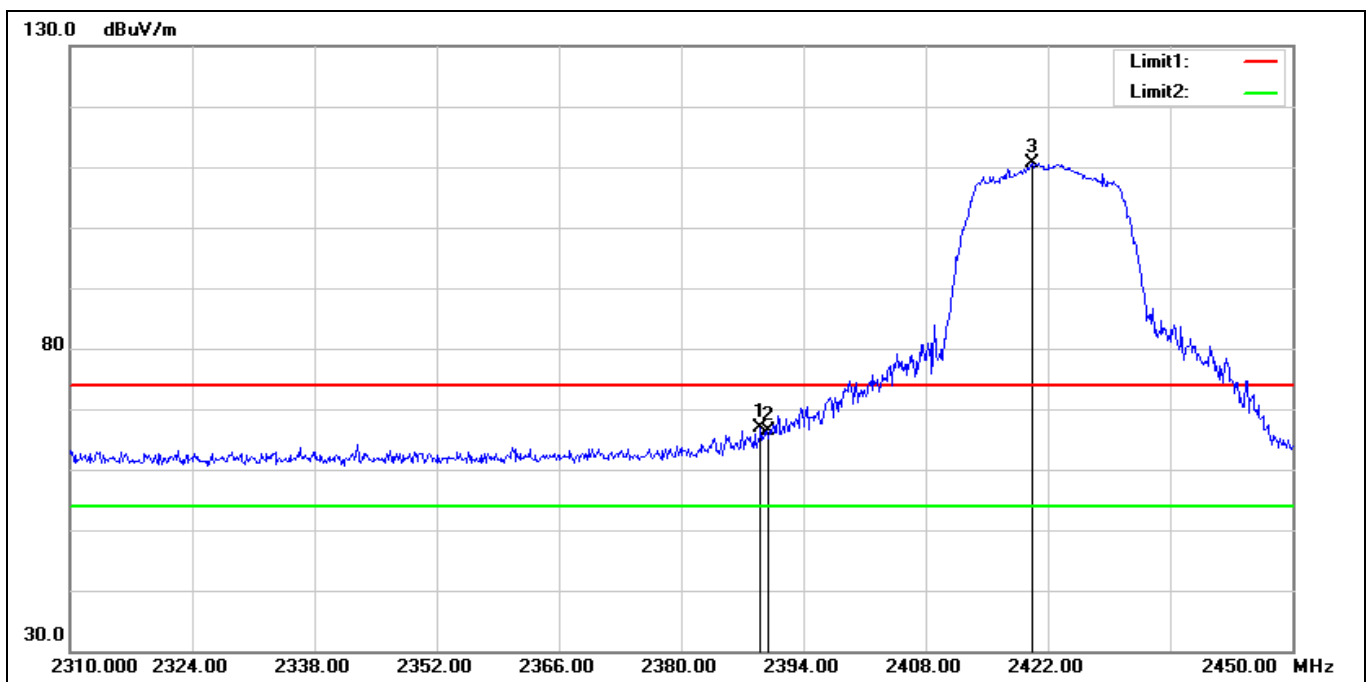
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.100	71.73	-2.67	69.06	74.00	-4.94	peak
2	2390.000	69.59	-2.67	66.92	74.00	-7.08	peak
3*	2415.980	112.00	-2.58	109.42	74.00	35.42	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2422 MHz		
Remark:			



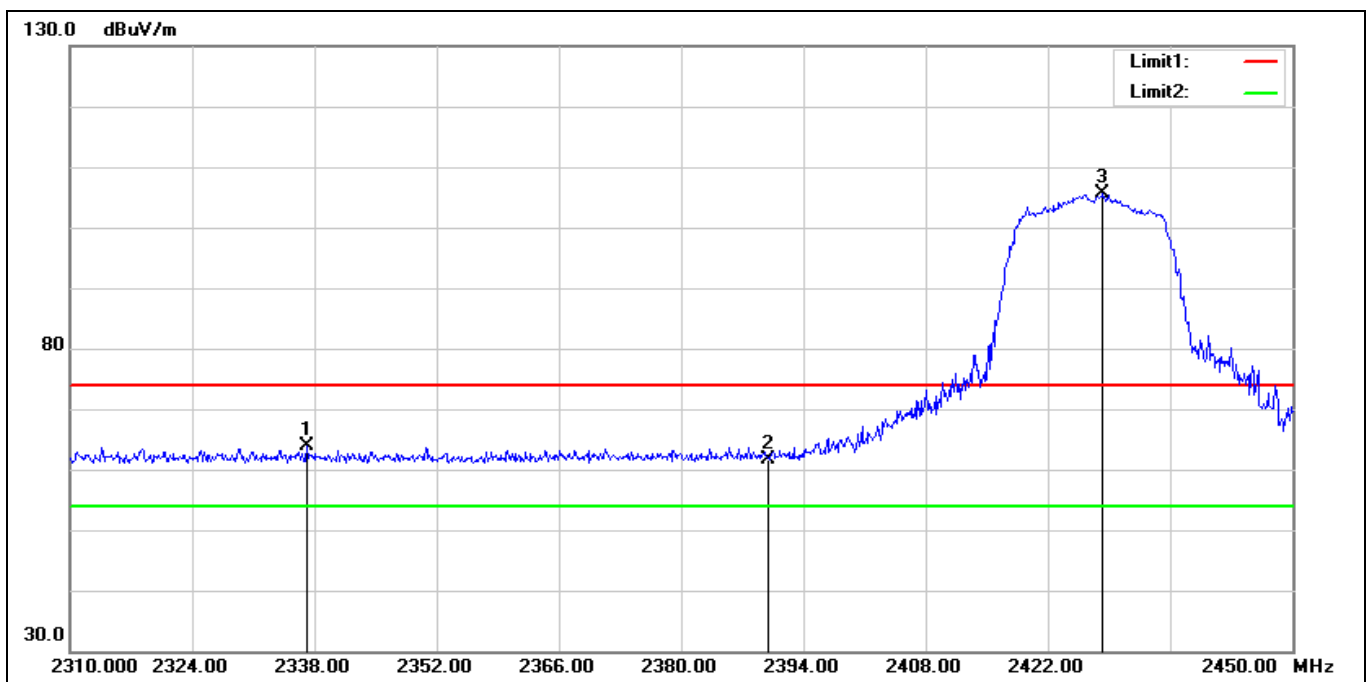
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.800	66.22	-2.67	63.55	74.00	-10.45	peak
2	2390.000	64.38	-2.67	61.71	74.00	-12.29	peak
3*	2423.680	107.07	-2.54	104.53	74.00	30.53	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2422 MHz		
Remark:			



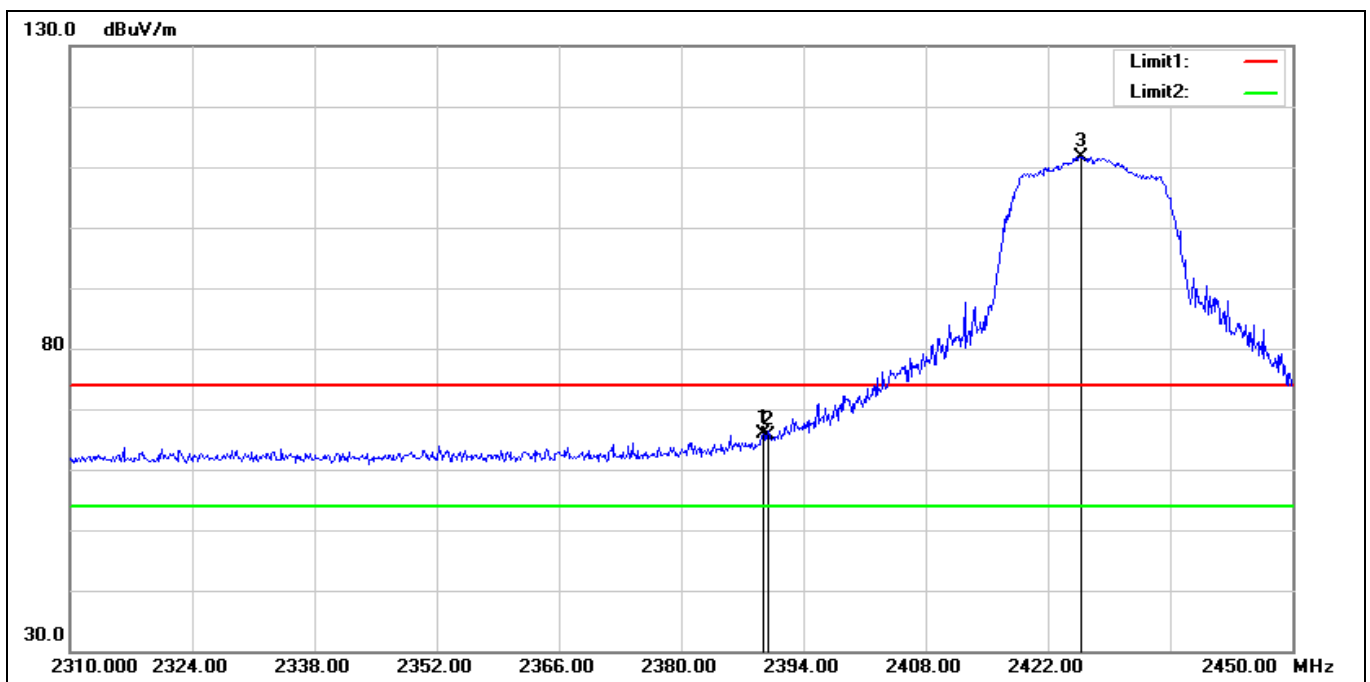
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.100	69.50	-2.67	66.83	74.00	-7.17	peak
2	2390.000	68.94	-2.67	66.27	74.00	-7.73	peak
3*	2420.180	113.09	-2.55	110.54	74.00	36.54	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2427 MHz		
Remark:			



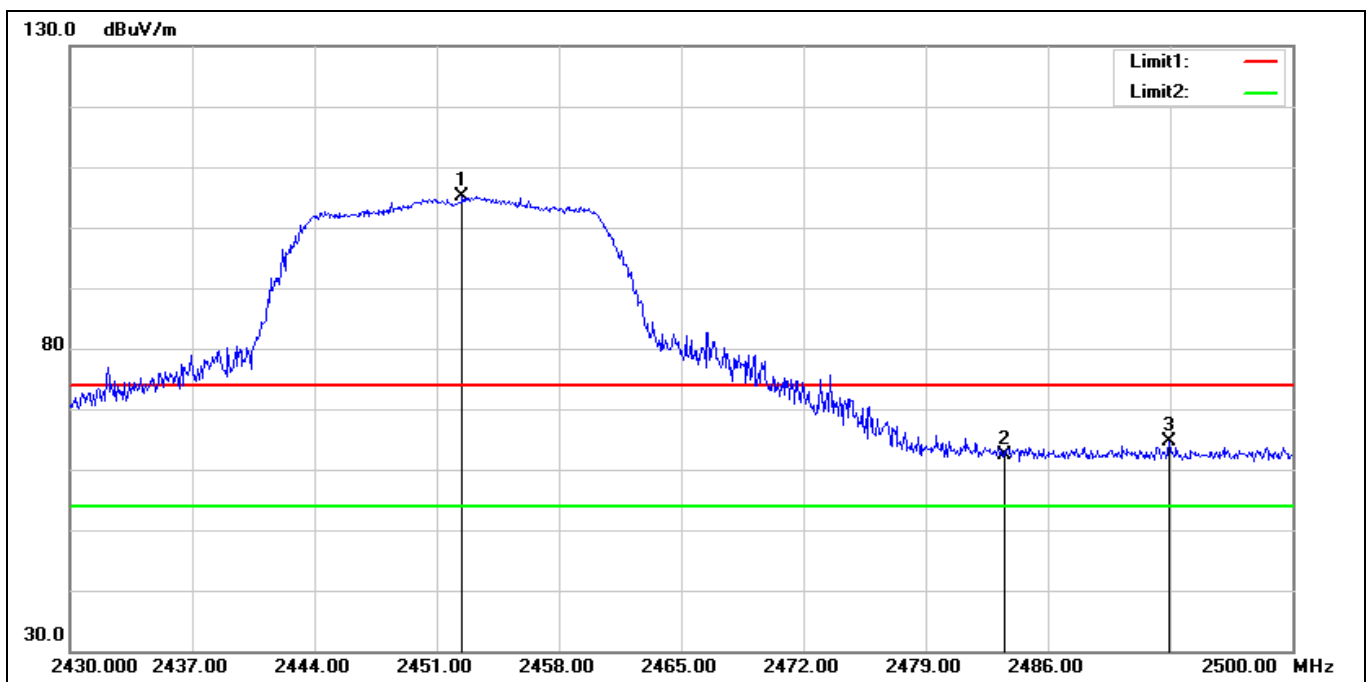
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2337.160	66.64	-2.87	63.77	74.00	-10.23	peak
2	2390.000	64.23	-2.67	61.56	74.00	-12.44	peak
3*	2428.300	108.07	-2.52	105.55	74.00	31.55	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2427 MHz		
Remark:			



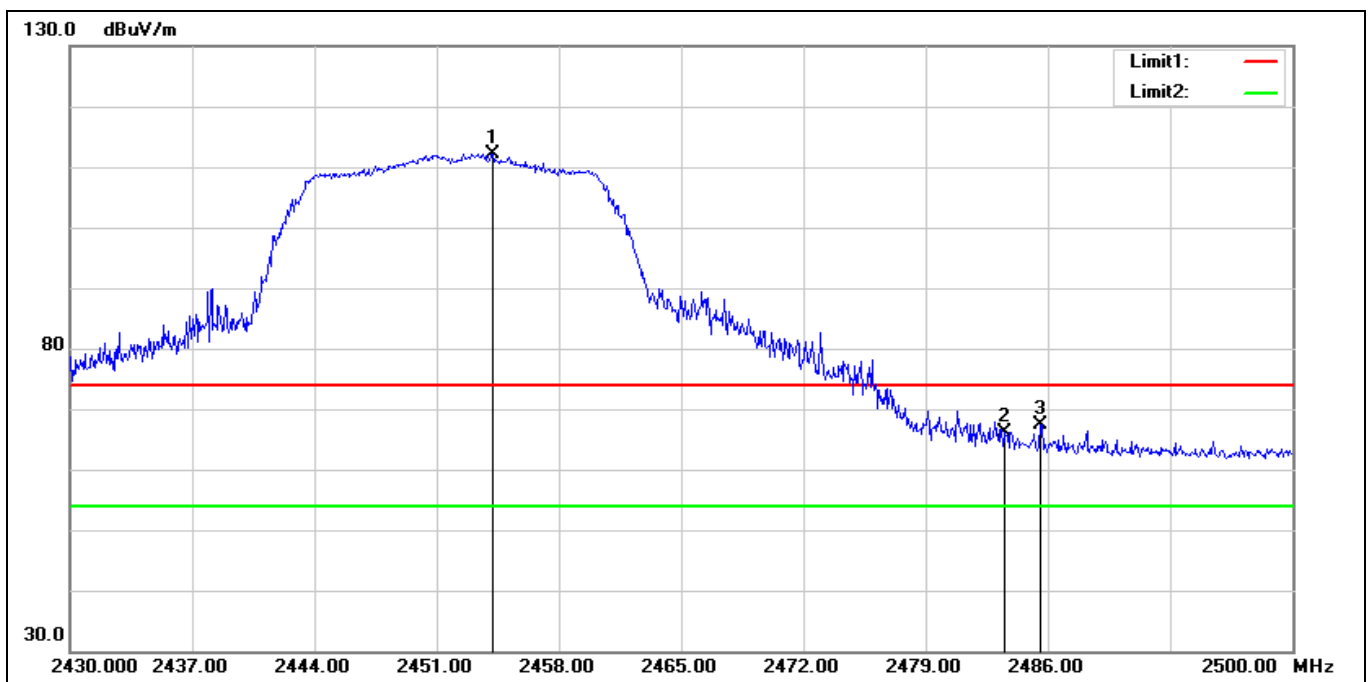
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.380	68.64	-2.67	65.97	74.00	-8.03	peak
2	2390.000	68.34	-2.67	65.67	74.00	-8.33	peak
3*	2425.780	114.17	-2.54	111.63	74.00	37.63	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2452 MHz		
Remark:			



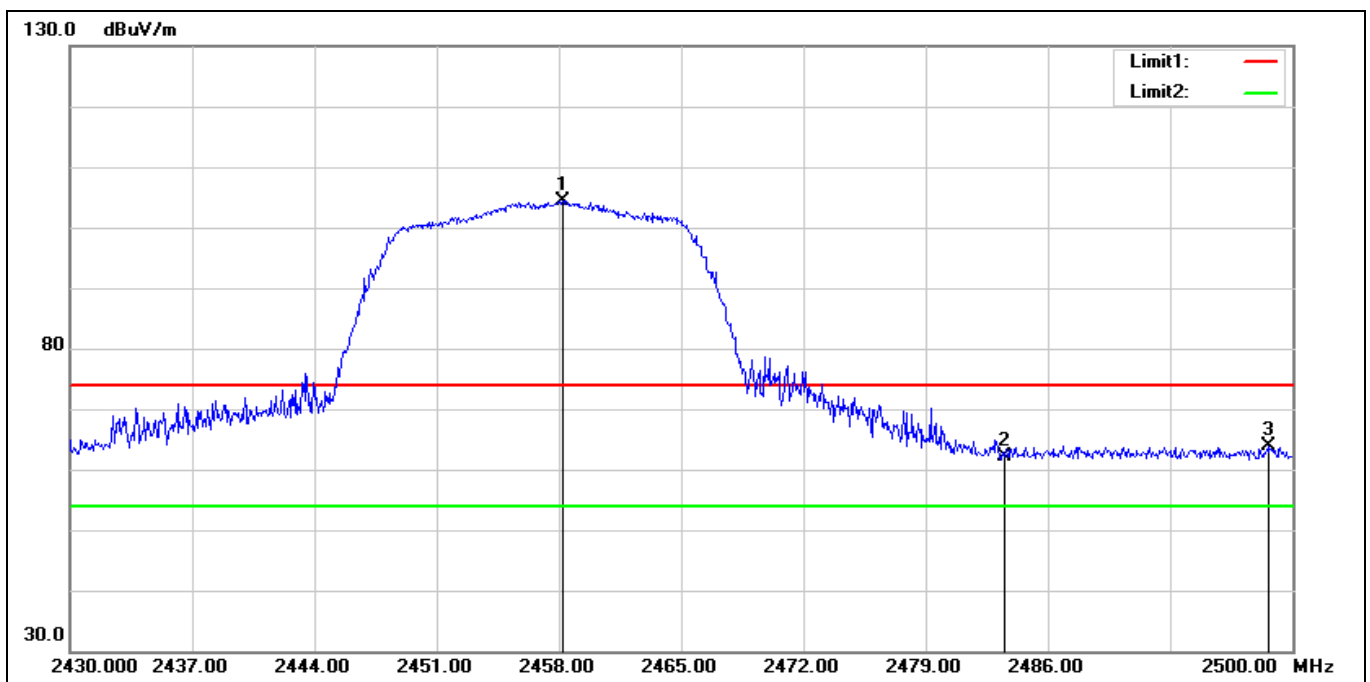
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2452.470	107.50	-2.43	105.07	74.00	31.07	peak
2	2483.500	64.61	-2.32	62.29	74.00	-11.71	peak
3	2492.930	66.98	-2.28	64.70	74.00	-9.30	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2452 MHz		
Remark:			



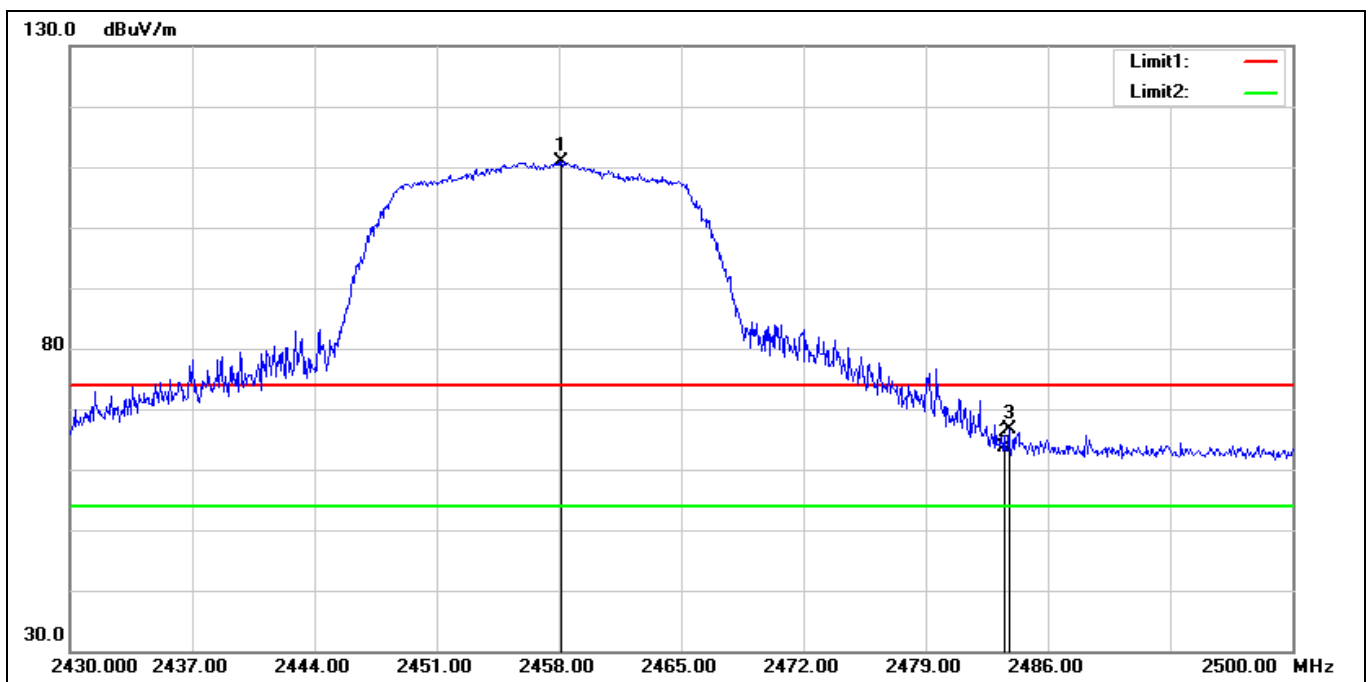
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2454.220	114.58	-2.43	112.15	74.00	38.15	peak
2	2483.500	68.56	-2.32	66.24	74.00	-7.76	peak
3	2485.580	69.77	-2.30	67.47	74.00	-6.53	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2457 MHz		
Remark:			



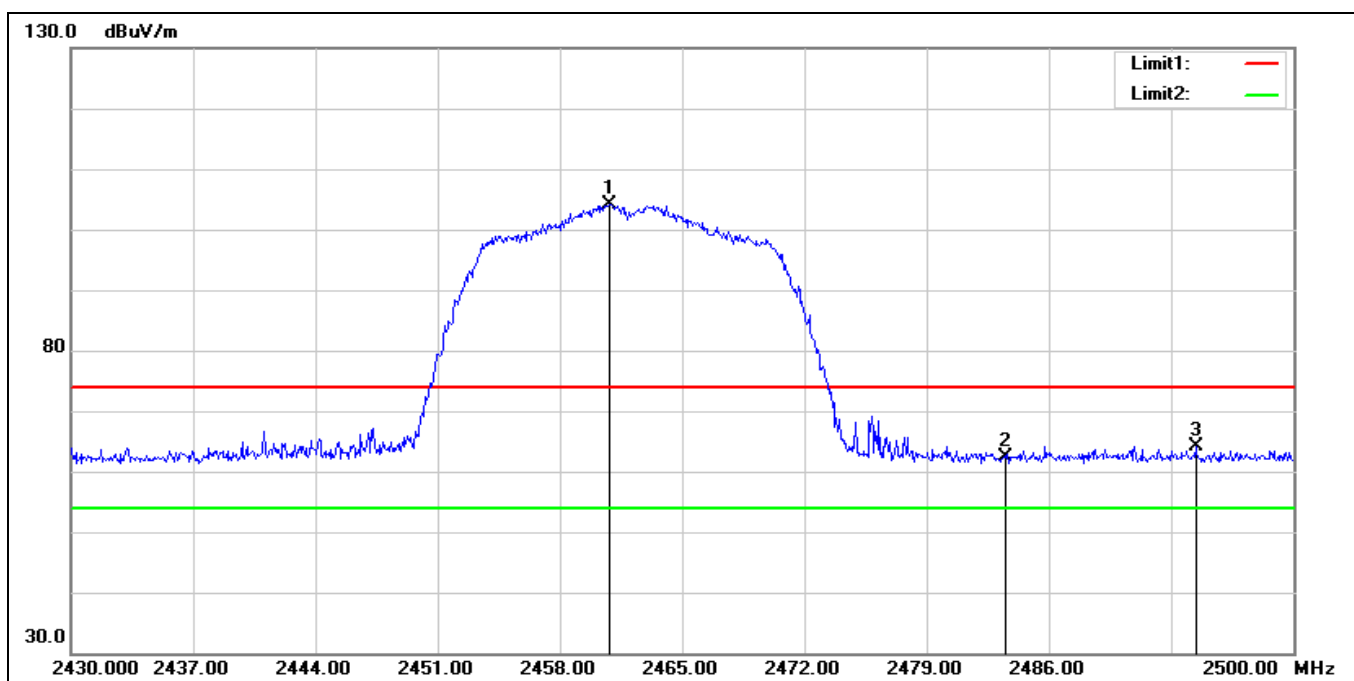
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2458.210	106.86	-2.41	104.45	74.00	30.45	peak
2	2483.500	64.56	-2.32	62.24	74.00	-11.76	peak
3	2498.600	66.22	-2.25	63.97	74.00	-10.03	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2457 MHz		
Remark:			



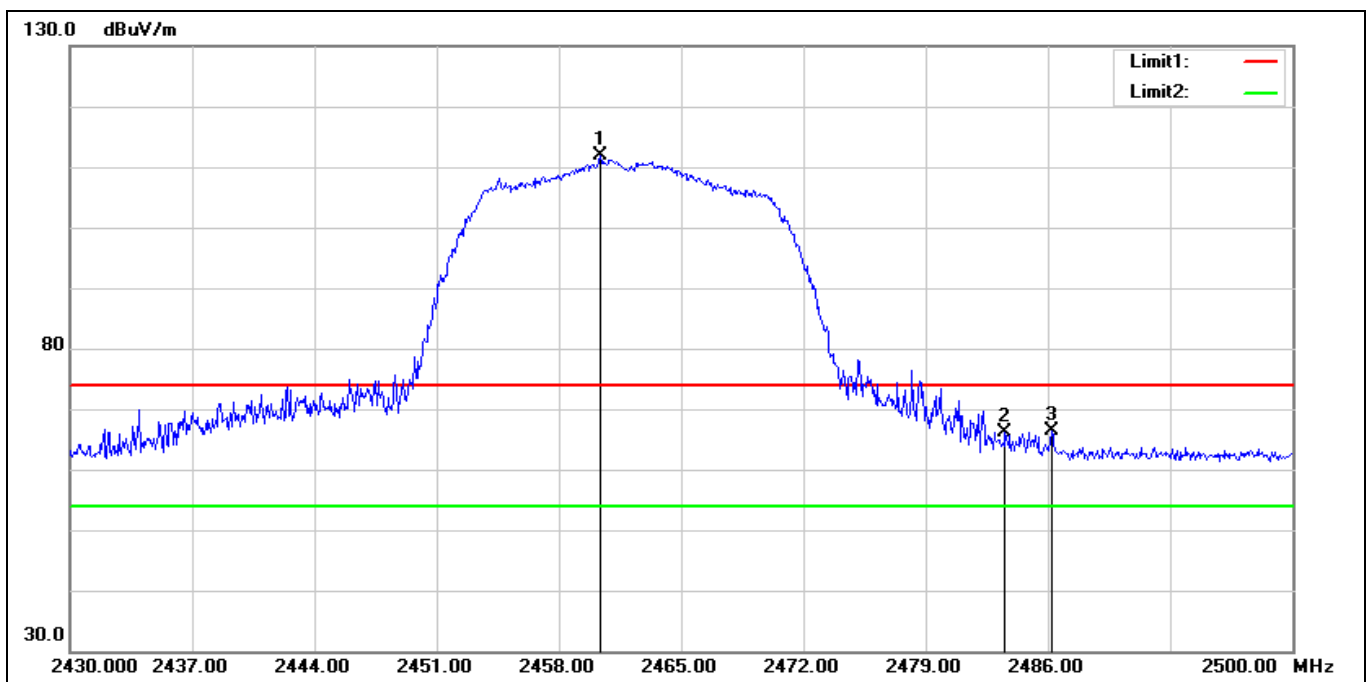
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2458.140	113.35	-2.41	110.94	74.00	36.94	peak
2	2483.500	65.88	-2.32	63.56	74.00	-10.44	peak
3	2483.760	68.91	-2.32	66.59	74.00	-7.41	peak

Standard:	Part 15C	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*	2460.870	106.94	-2.76	104.18	74.00	30.18	peak
2	2483.500	65.11	-2.74	62.37	74.00	-11.63	peak
3	2494.400	66.86	-2.73	64.13	74.00	-9.87	peak

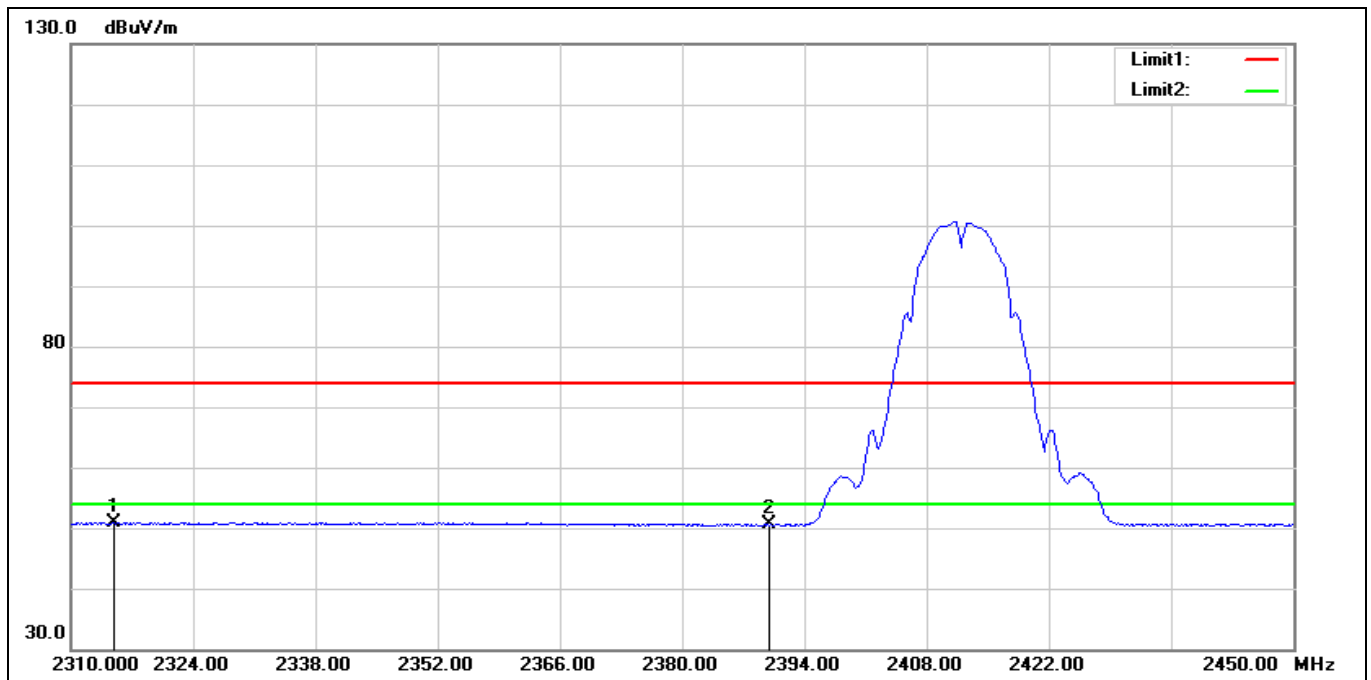
Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2462 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2460.380	114.56	-2.76	111.80	74.00	37.80	peak
2	2483.500	68.76	-2.74	66.02	74.00	-7.98	peak
3	2486.210	69.22	-2.74	66.48	74.00	-7.52	peak

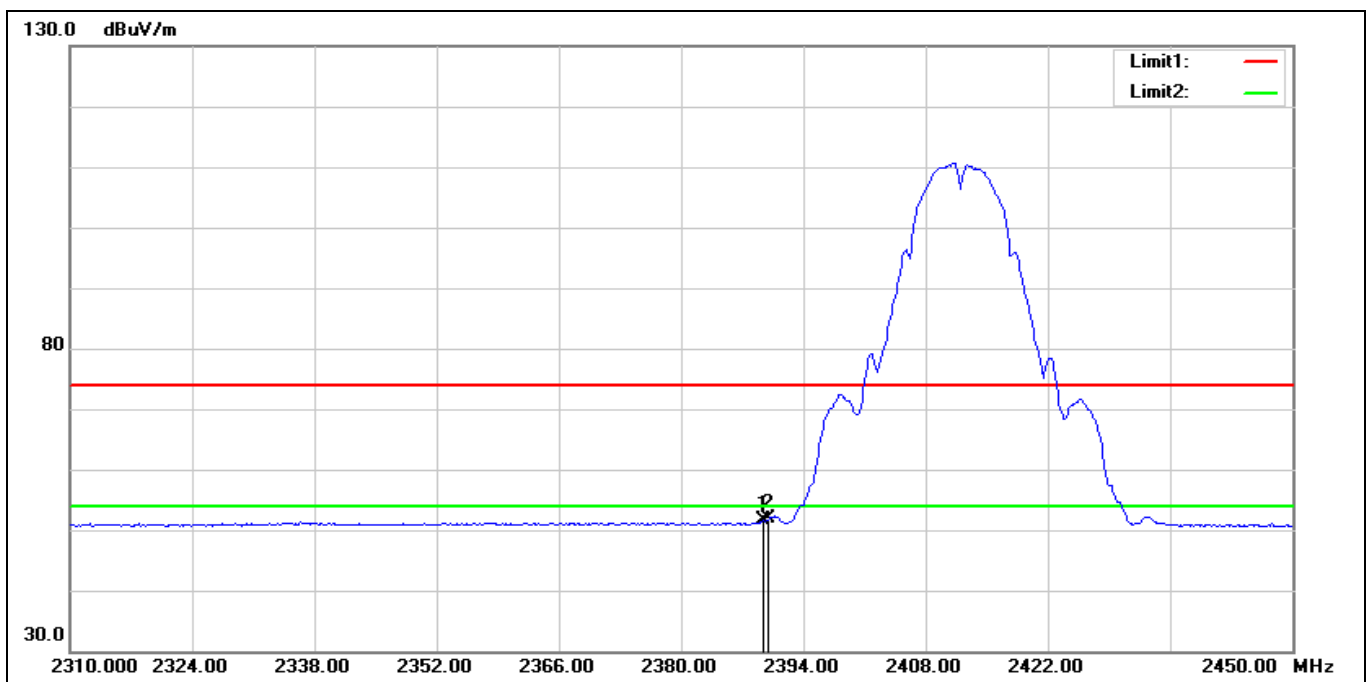
Average

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11b 2412 MHz		
Remark:			



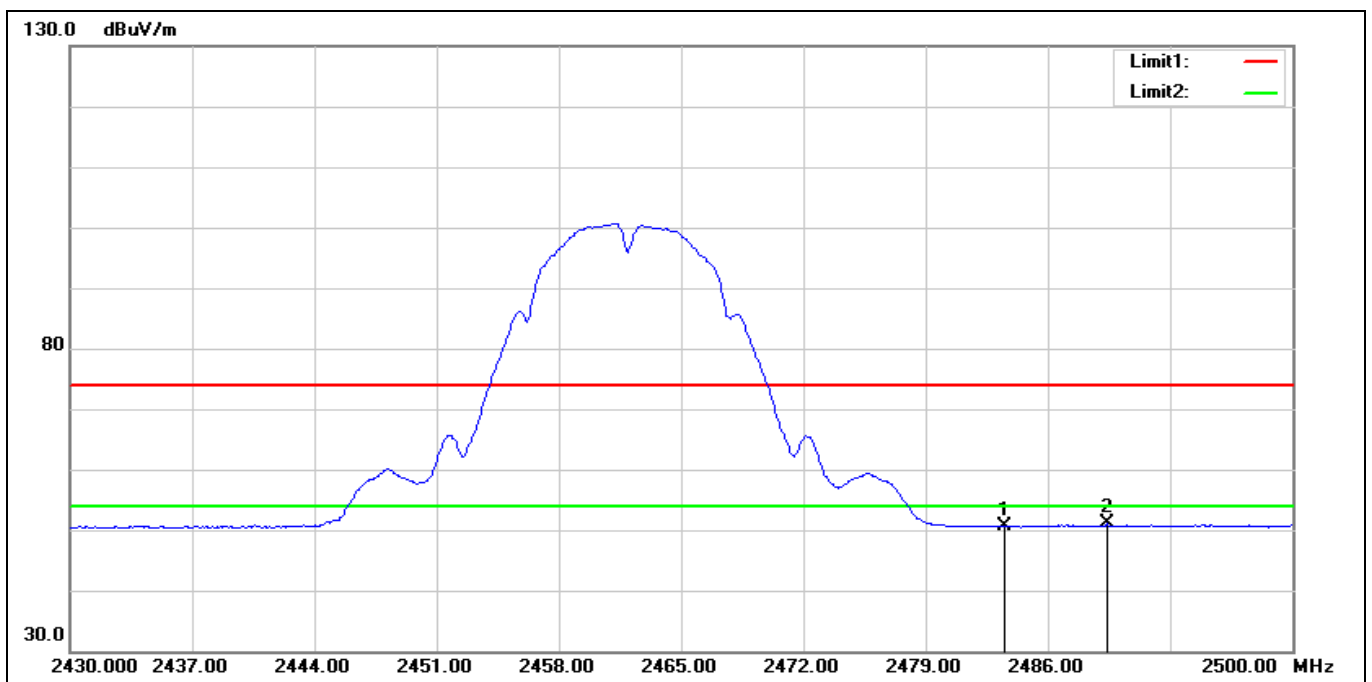
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2314.900	53.46	-2.51	50.95	54.00	-3.05	AVG
2	2390.000	53.32	-2.77	50.55	54.00	-3.45	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11b 2412 MHz		
Remark:			



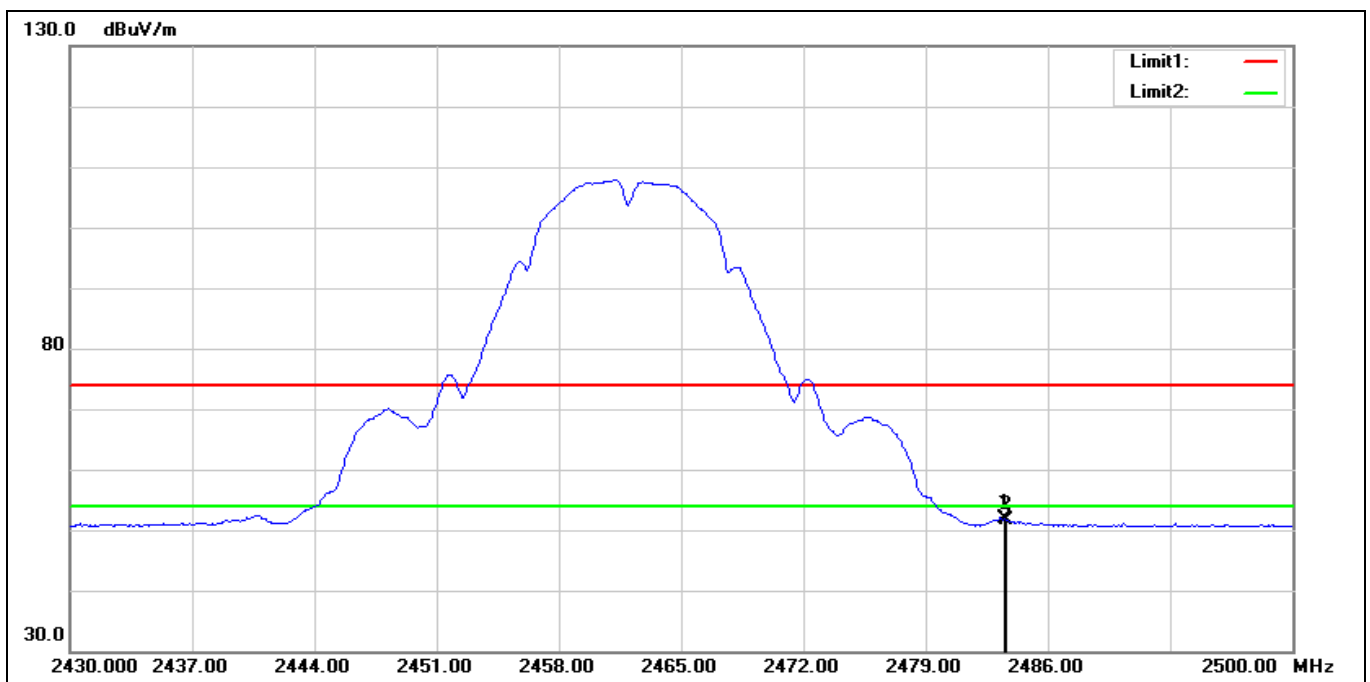
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.380	54.34	-2.77	51.57	54.00	-2.43	AVG
2*	2390.000	54.70	-2.77	51.93	54.00	-2.07	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11b 2462 MHz		
Remark:			



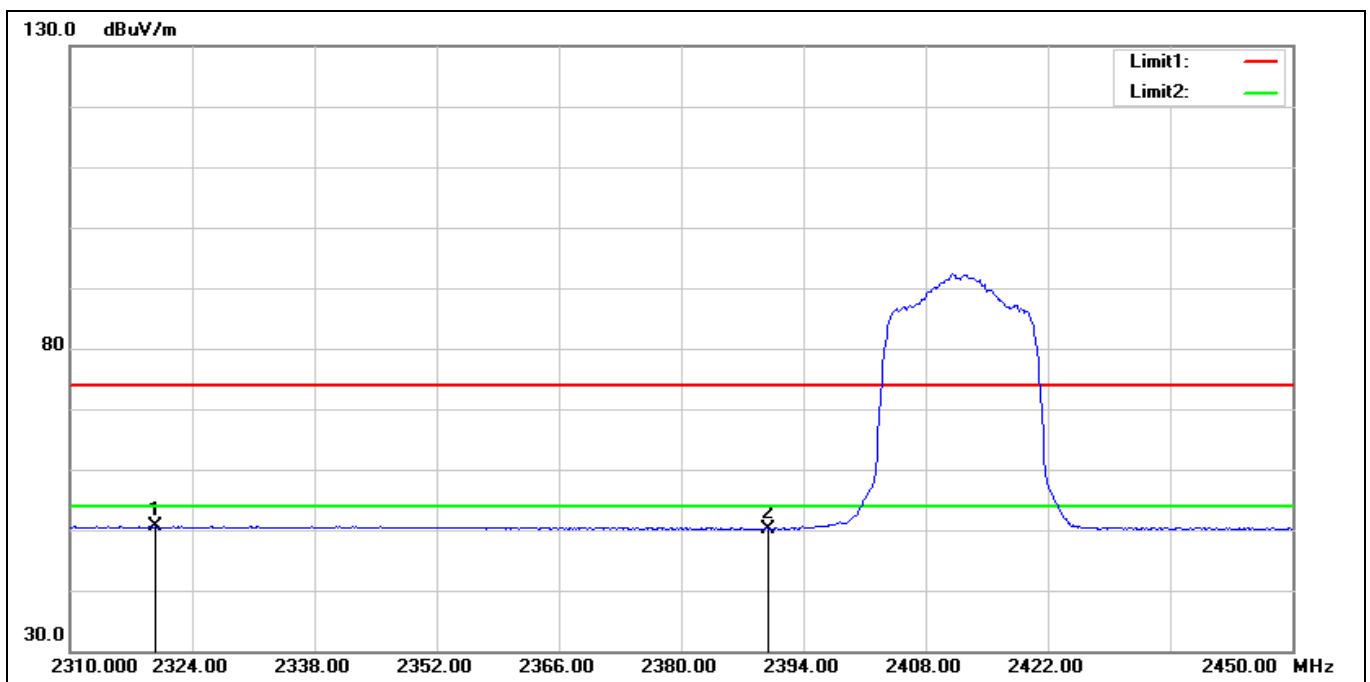
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	53.36	-2.74	50.62	54.00	-3.38	AVG
2*	2489.360	53.81	-2.74	51.07	54.00	-2.93	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11b 2462 MHz		
Remark:			



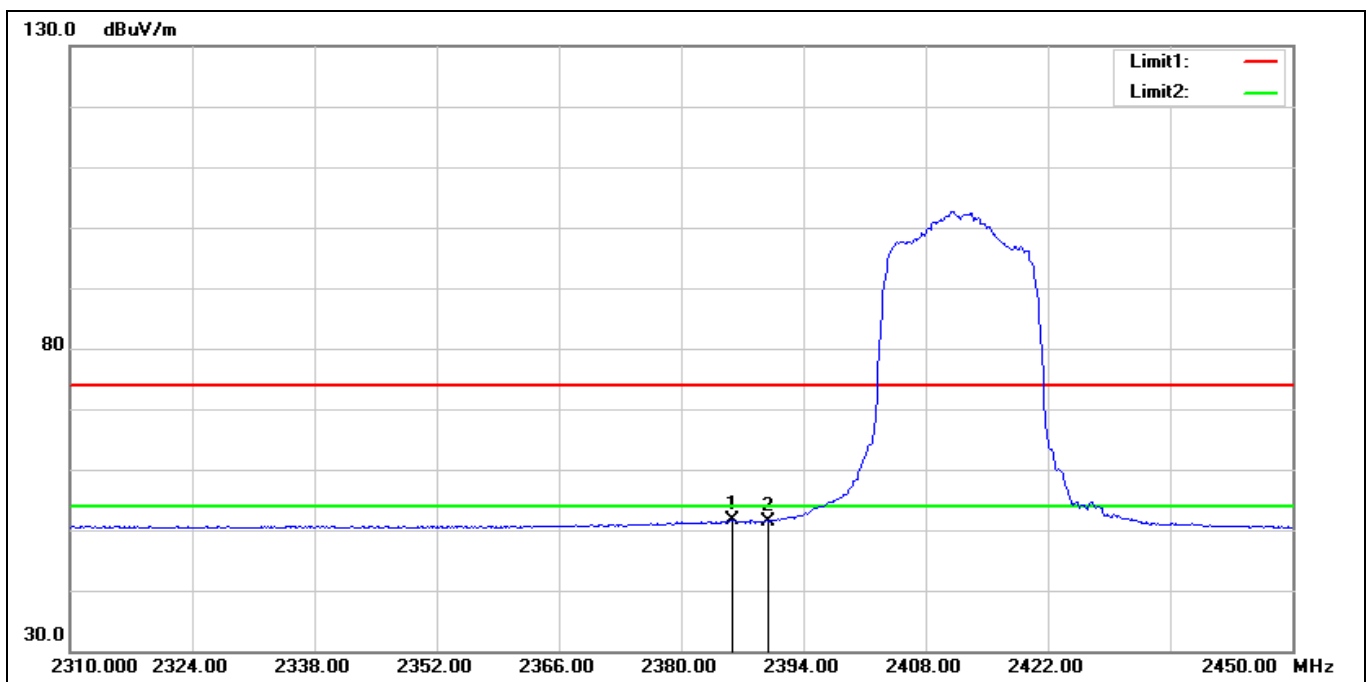
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2483.500	54.53	-2.74	51.79	54.00	-2.21	AVG
2	2483.620	54.33	-2.74	51.59	54.00	-2.41	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2412 MHz		
Remark:			



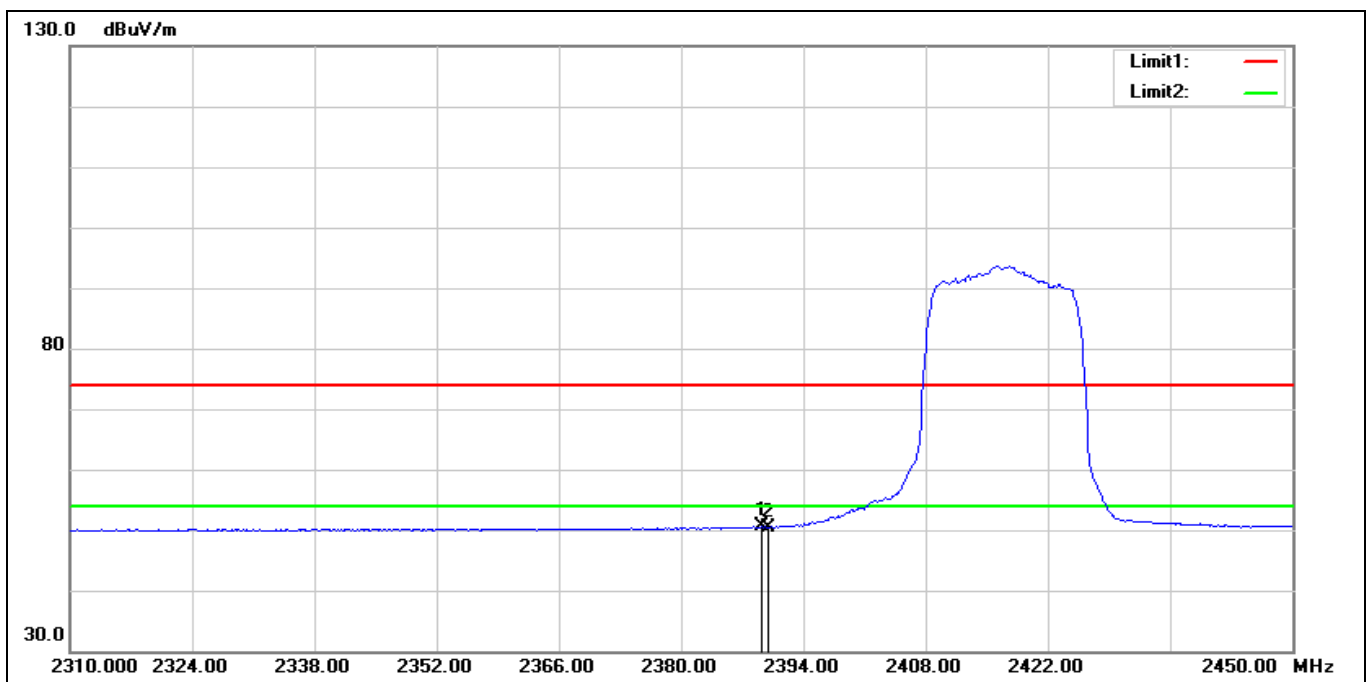
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2319.800	53.19	-2.52	50.67	54.00	-3.33	AVG
2	2390.000	52.92	-2.77	50.15	54.00	-3.85	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2412 MHz		
Remark:			



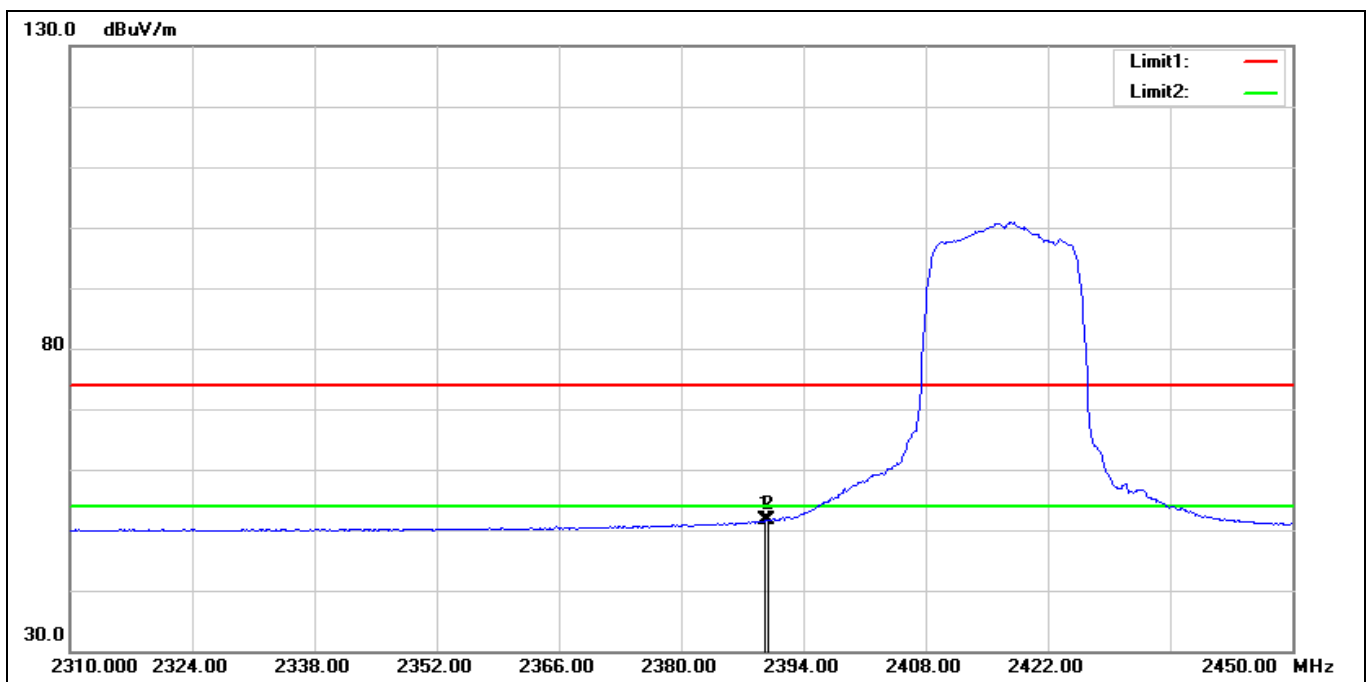
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2385.880	54.42	-2.75	51.67	54.00	-2.33	AVG
2	2390.000	54.21	-2.77	51.44	54.00	-2.56	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2417 MHz		
Remark:			



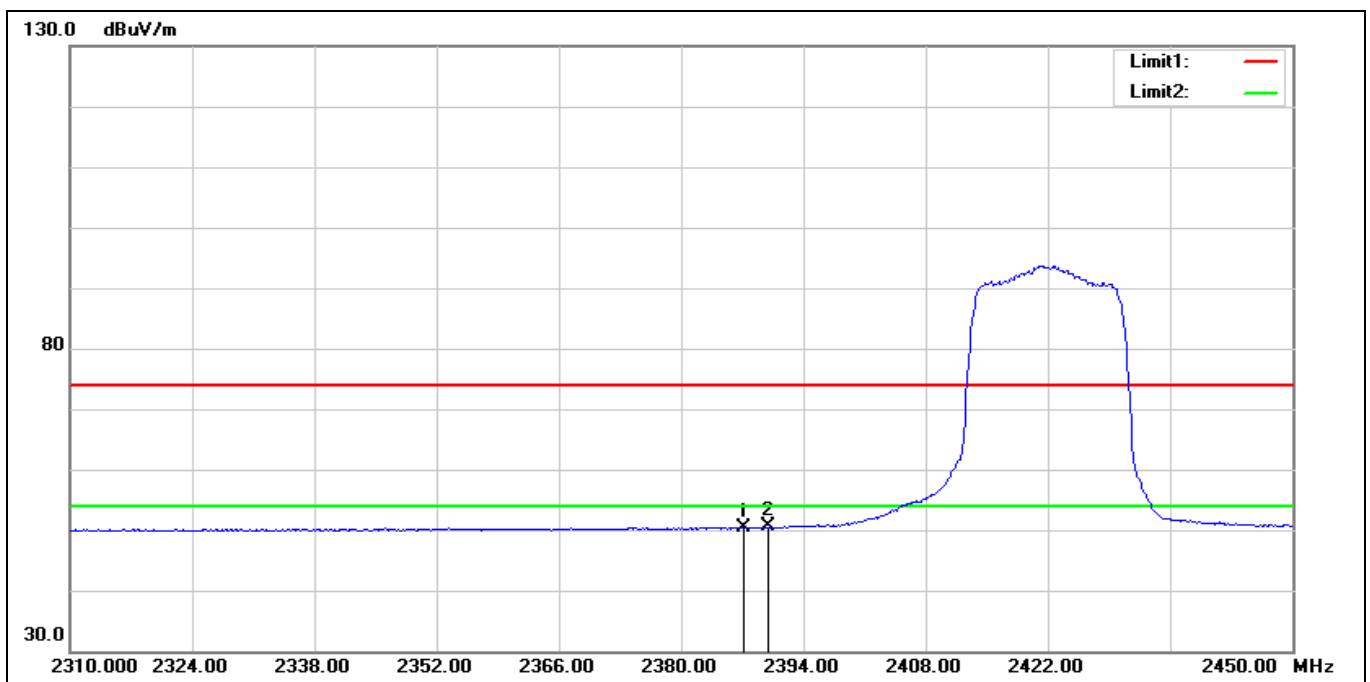
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2389.240	53.28	-2.67	50.61	54.00	-3.39	AVG
2	2390.000	53.11	-2.67	50.44	54.00	-3.56	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2417 MHz		
Remark:			



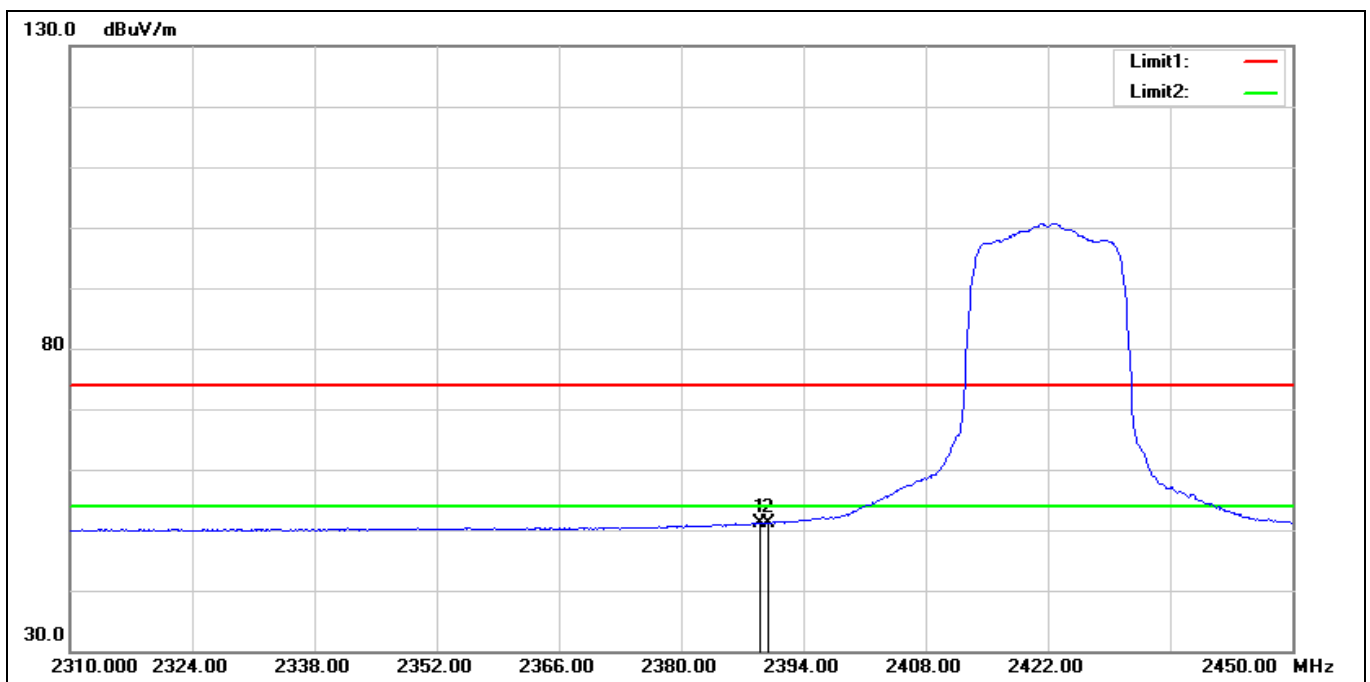
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.520	54.24	-2.67	51.57	54.00	-2.43	AVG
2*	2390.000	54.28	-2.67	51.61	54.00	-2.39	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2422 MHz		
Remark:			



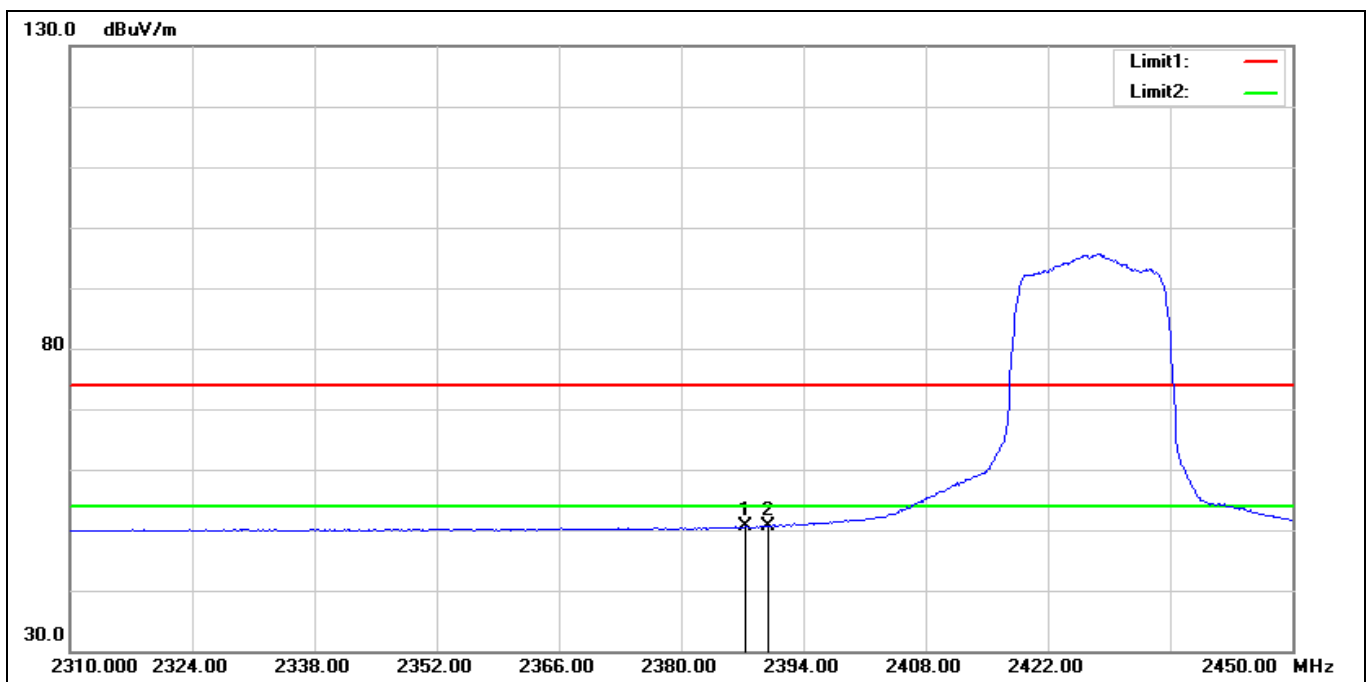
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2387.140	53.16	-2.69	50.47	54.00	-3.53	AVG
2*	2390.000	53.18	-2.67	50.51	54.00	-3.49	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2422 MHz		
Remark:			



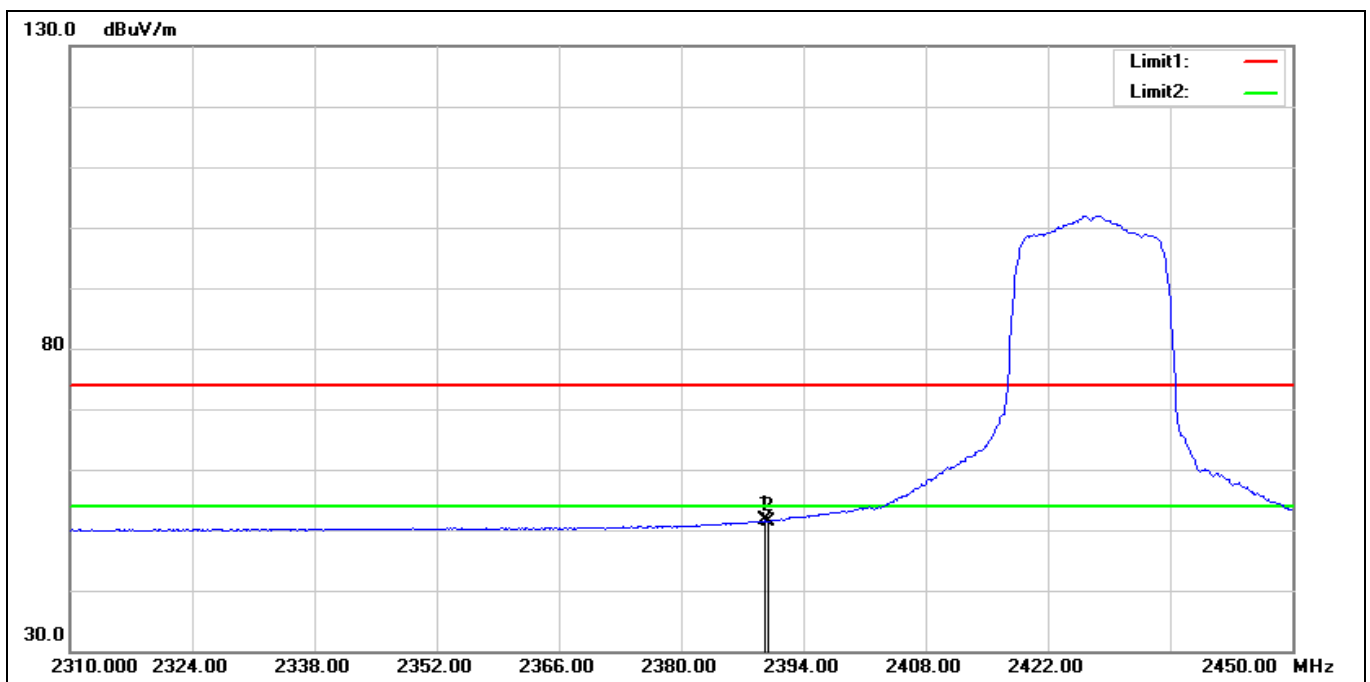
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2389.100	53.83	-2.67	51.16	54.00	-2.84	AVG
2	2390.000	53.83	-2.67	51.16	54.00	-2.84	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2427 MHz		
Remark:			



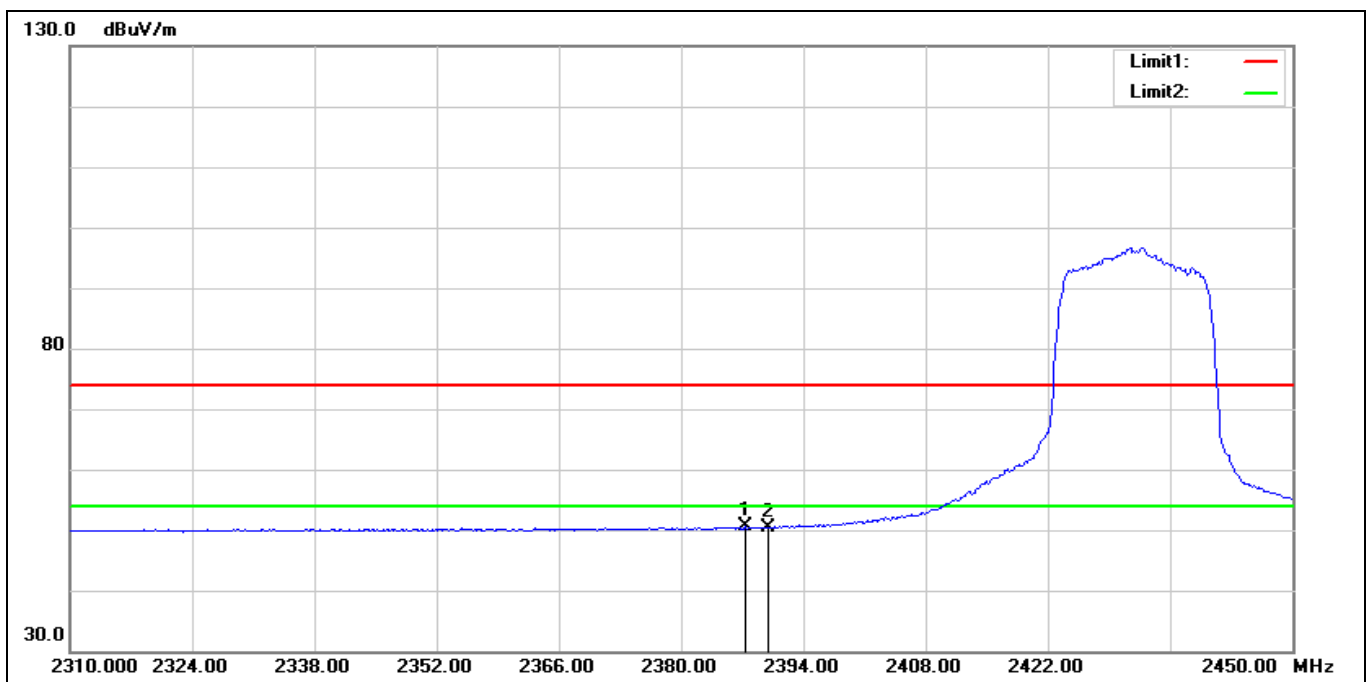
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2387.420	53.35	-2.68	50.67	54.00	-3.33	AVG
2	2390.000	53.23	-2.67	50.56	54.00	-3.44	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2427 MHz		
Remark:			



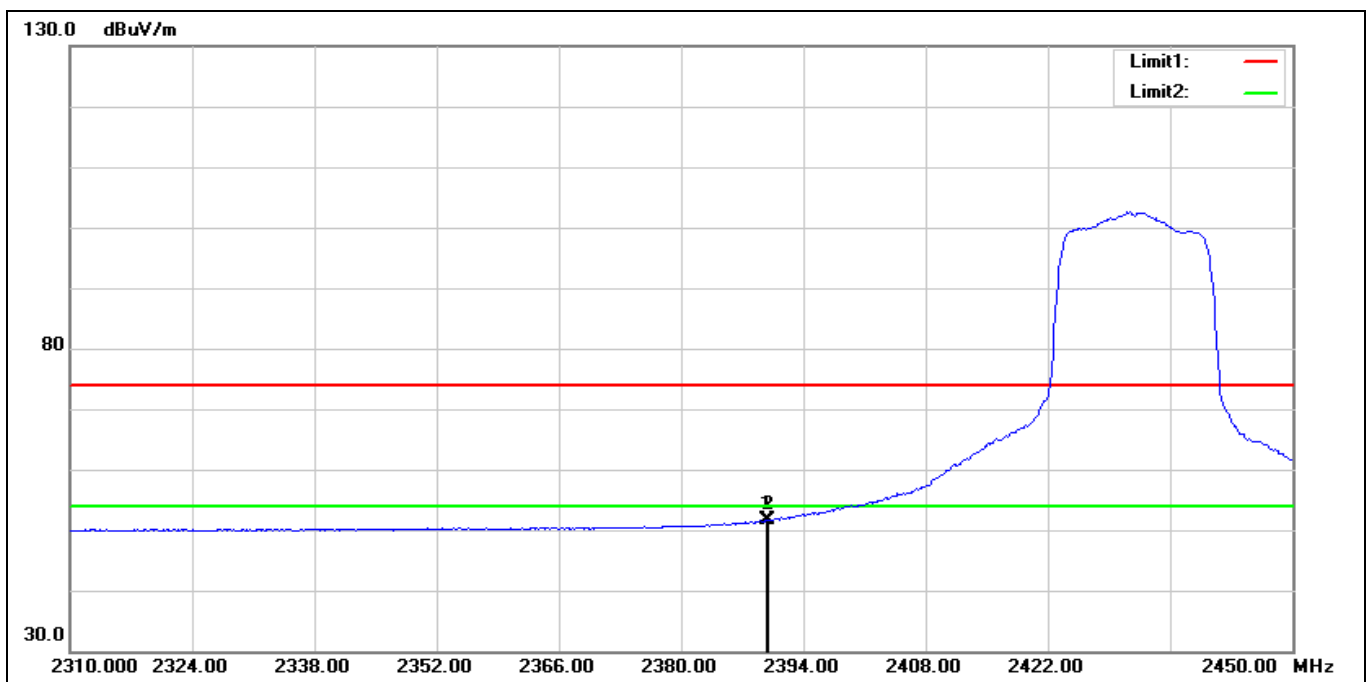
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2389.660	54.23	-2.67	51.56	54.00	-2.44	AVG
2	2390.000	54.15	-2.67	51.48	54.00	-2.52	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2432 MHz		
Remark:			



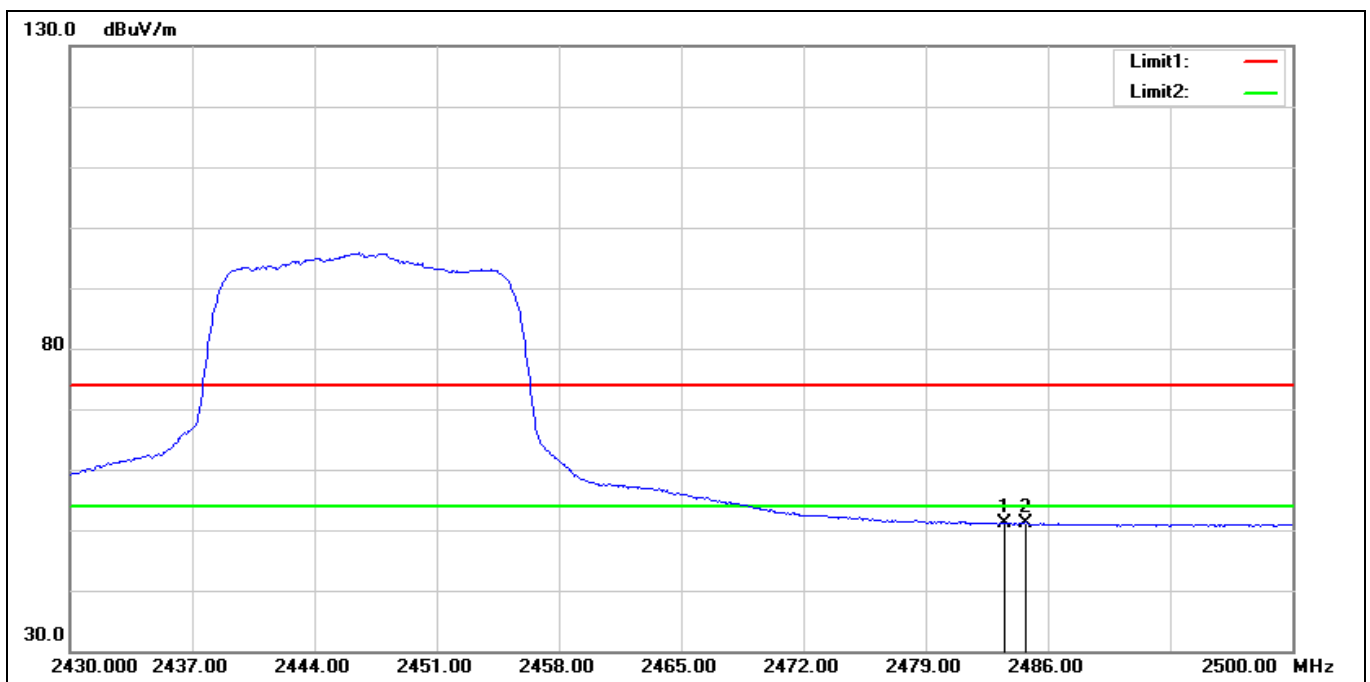
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2387.420	53.20	-2.68	50.52	54.00	-3.48	AVG
2	2390.000	53.16	-2.67	50.49	54.00	-3.51	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2432 MHz		
Remark:			



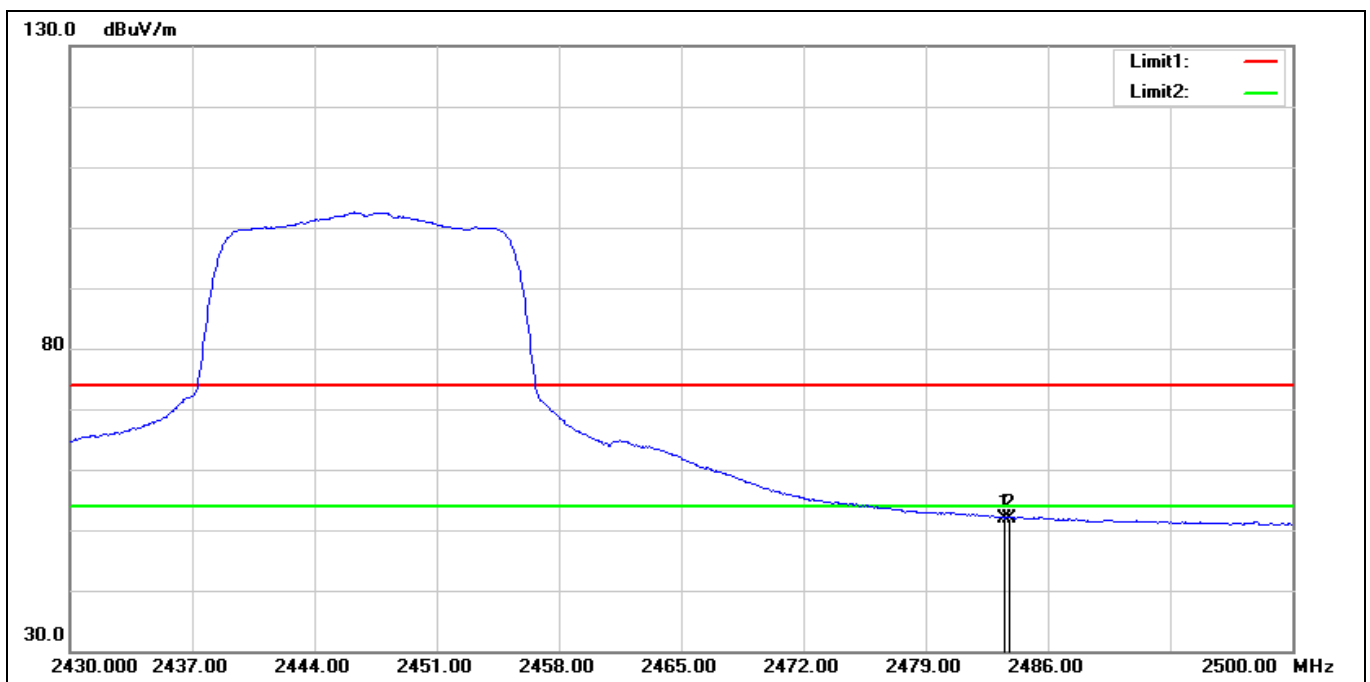
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.800	54.25	-2.67	51.58	54.00	-2.42	AVG
2*	2390.000	54.29	-2.67	51.62	54.00	-2.38	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2447 MHz		
Remark:			



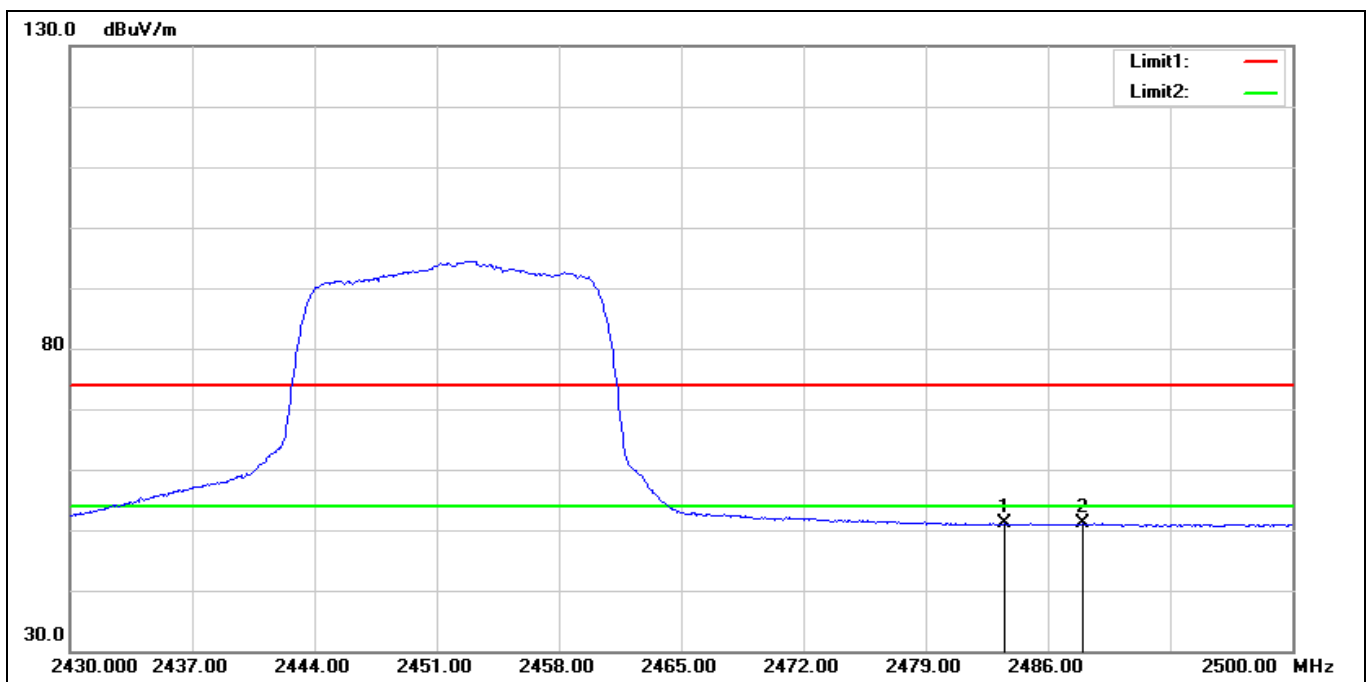
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	53.38	-2.32	51.06	54.00	-2.94	AVG
2*	2484.740	53.47	-2.31	51.16	54.00	-2.84	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2447 MHz		
Remark:			



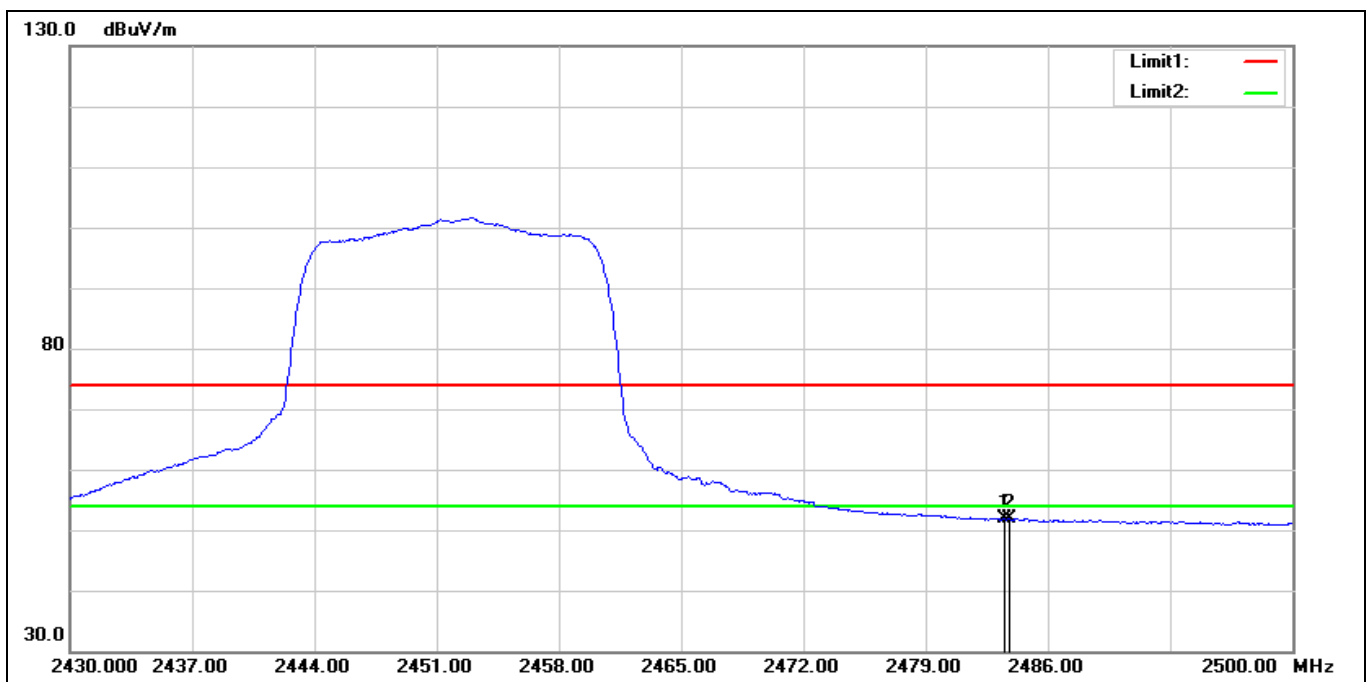
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	54.18	-2.32	51.86	54.00	-2.14	AVG
2*	2483.760	54.28	-2.32	51.96	54.00	-2.04	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2452 MHz		
Remark:			



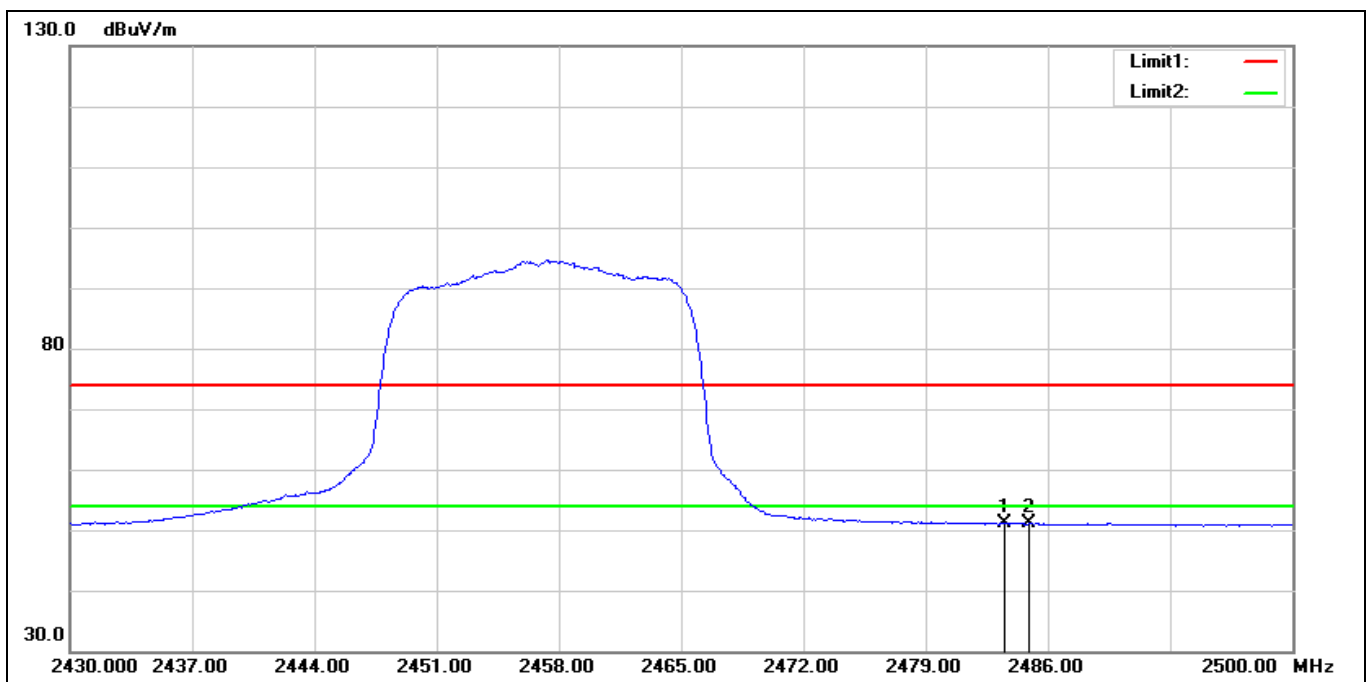
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	53.42	-2.32	51.10	54.00	-2.90	AVG
2*	2488.030	53.42	-2.29	51.13	54.00	-2.87	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2452 MHz		
Remark:			



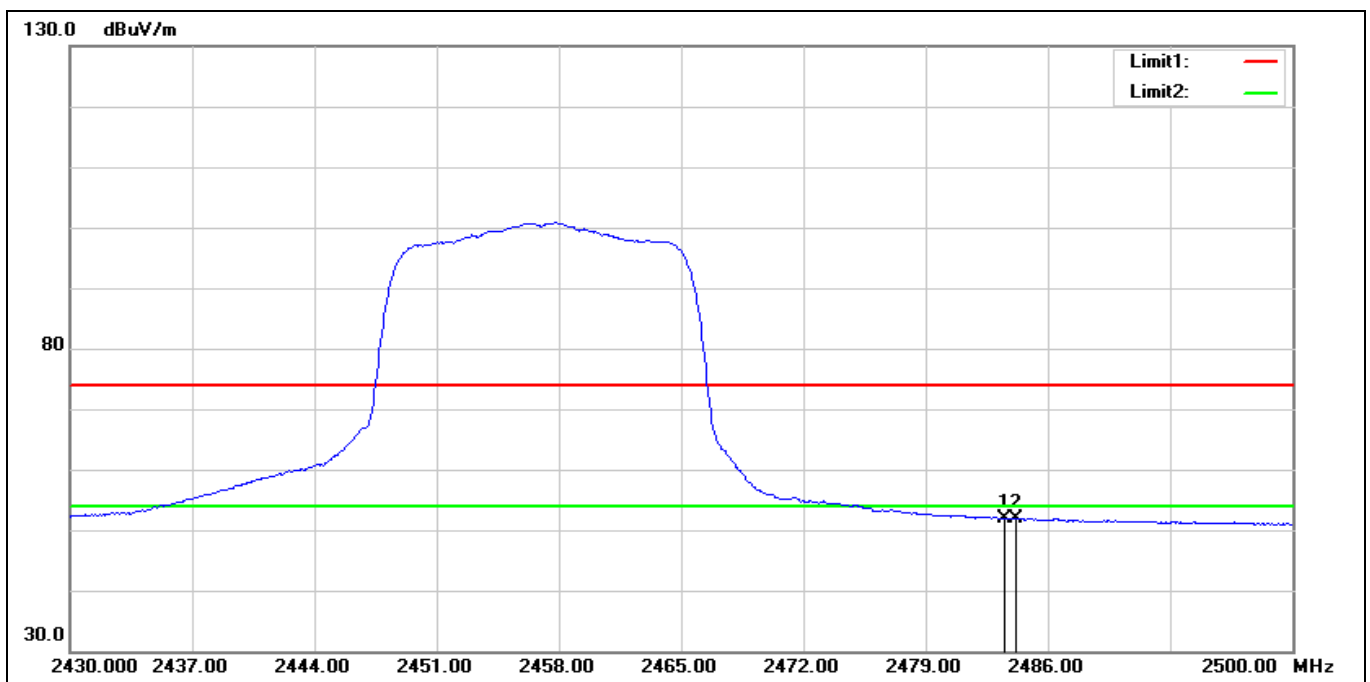
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	54.08	-2.32	51.76	54.00	-2.24	AVG
2*	2483.830	54.18	-2.32	51.86	54.00	-2.14	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2457 MHz		
Remark:			



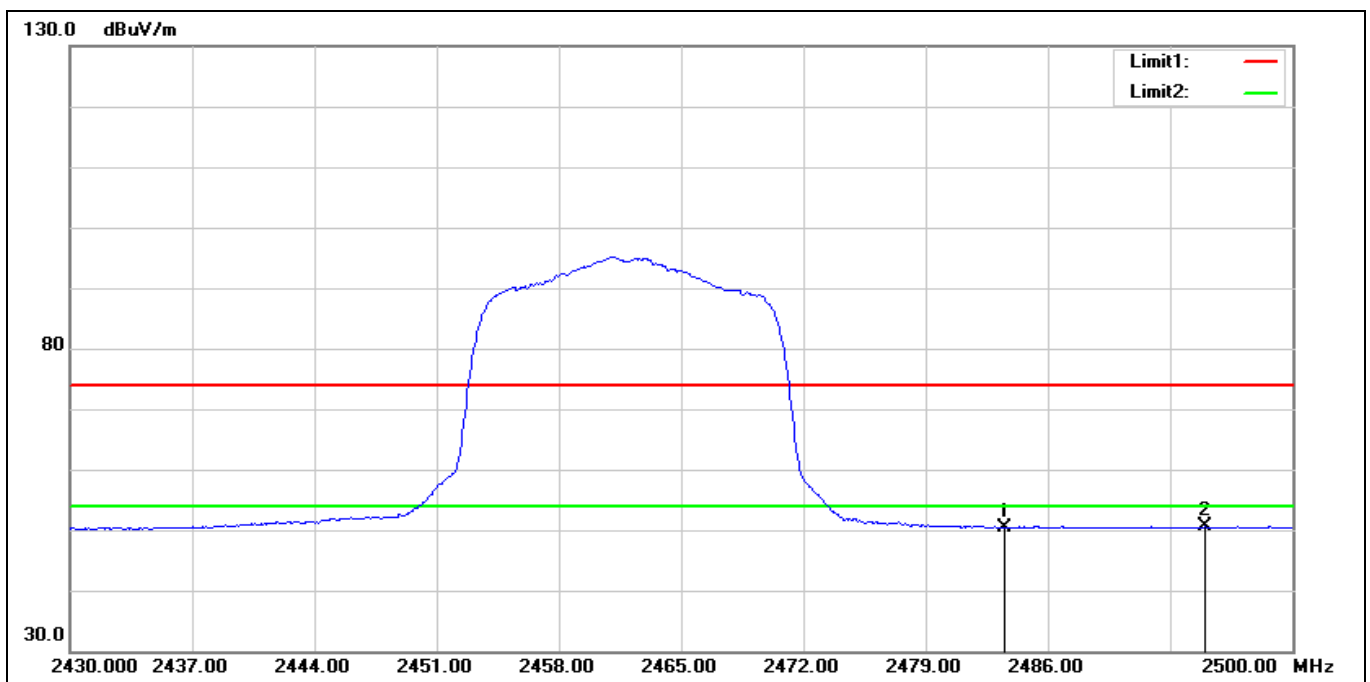
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	53.37	-2.32	51.05	54.00	-2.95	AVG
2*	2484.950	53.50	-2.31	51.19	54.00	-2.81	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2457 MHz		
Remark:			



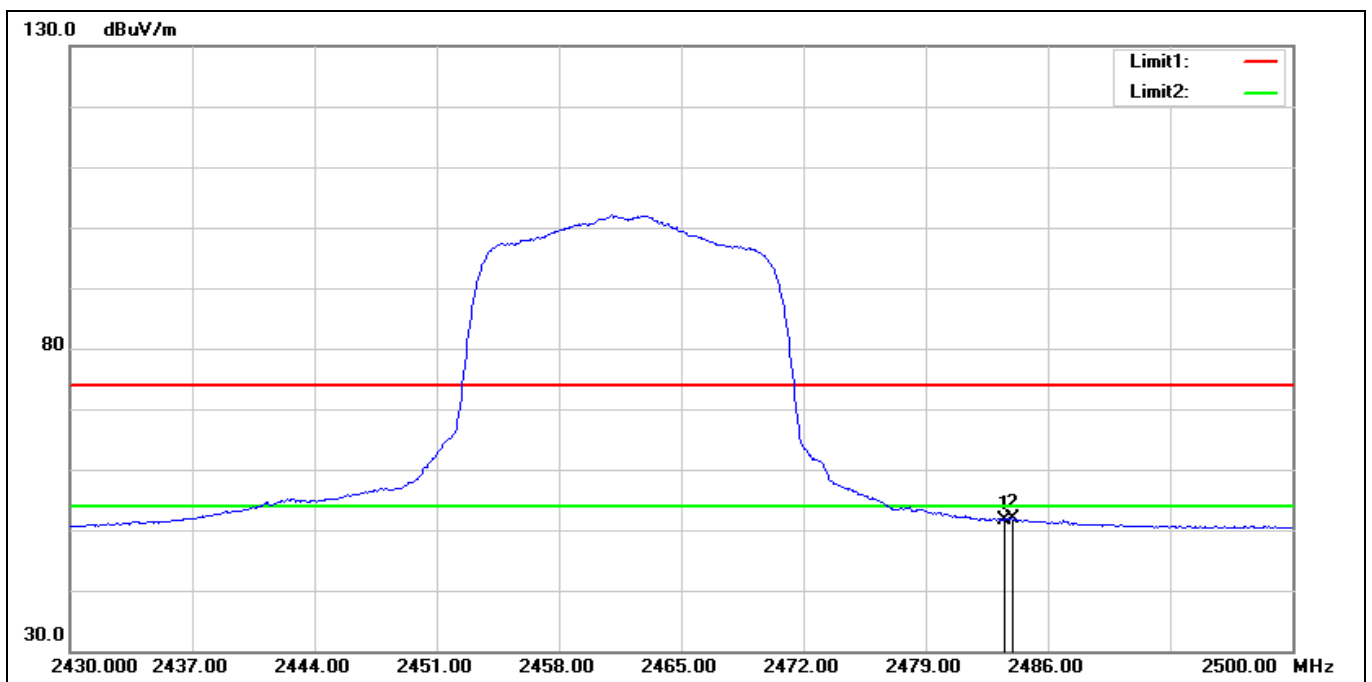
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	54.21	-2.32	51.89	54.00	-2.11	AVG
2*	2484.180	54.29	-2.31	51.98	54.00	-2.02	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2462 MHz		
Remark:			



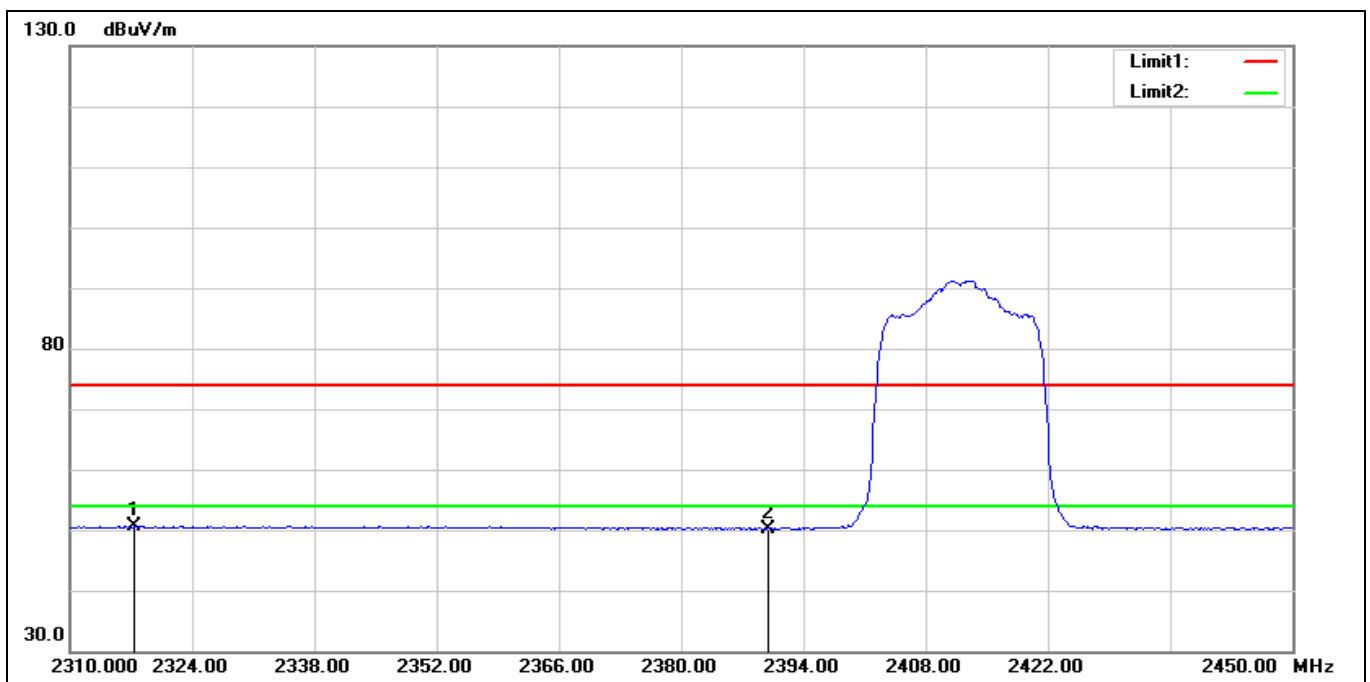
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	53.13	-2.74	50.39	54.00	-3.61	AVG
2*	2495.030	53.36	-2.73	50.63	54.00	-3.37	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2462 MHz		
Remark:			



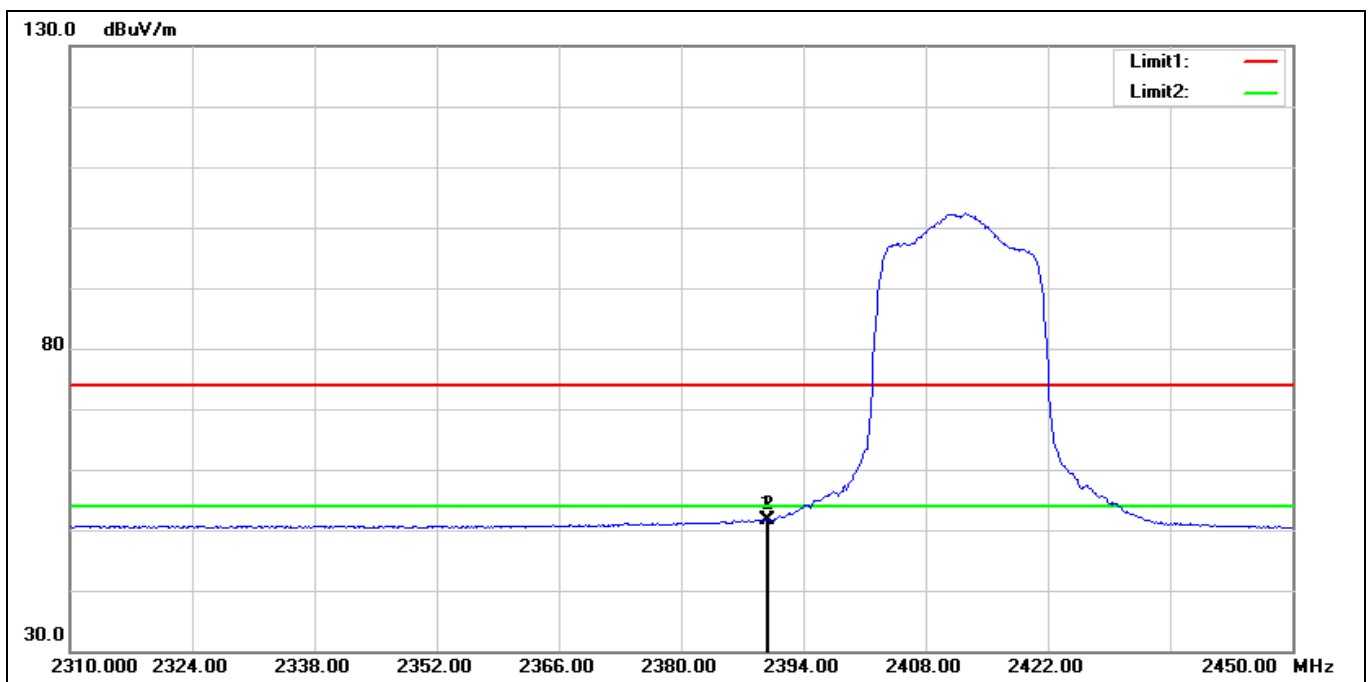
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	54.47	-2.74	51.73	54.00	-2.27	AVG
2*	2483.970	54.71	-2.74	51.97	54.00	-2.03	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2412 MHz		
Remark:			



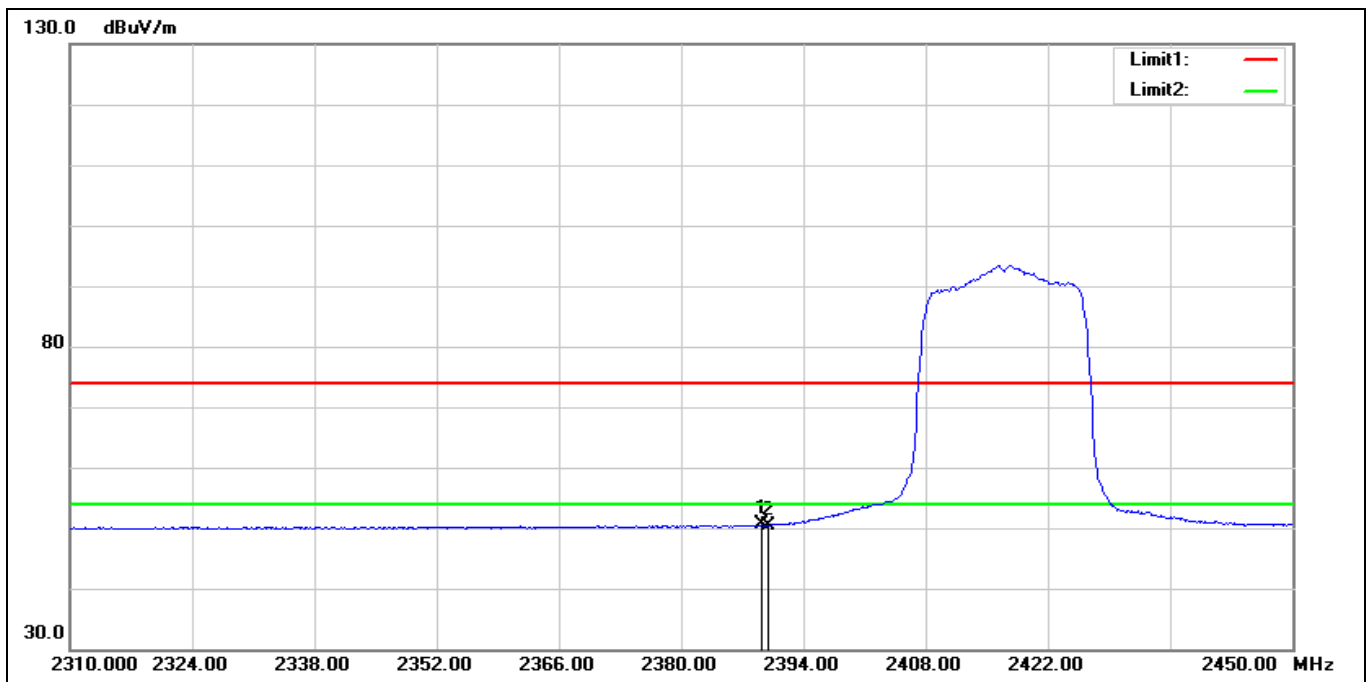
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2317.280	53.19	-2.51	50.68	54.00	-3.32	AVG
2	2390.000	52.94	-2.77	50.17	54.00	-3.83	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2412 MHz		
Remark:			



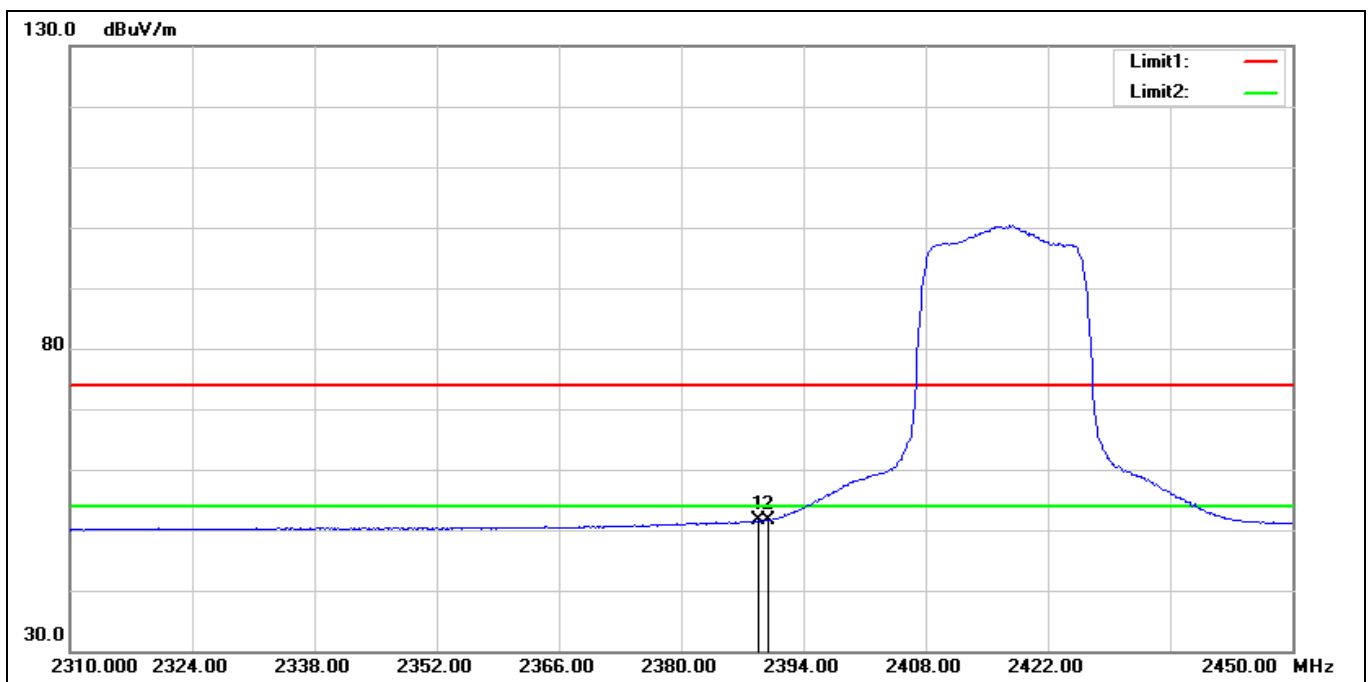
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2389.800	54.47	-2.77	51.70	54.00	-2.30	AVG
2	2390.000	54.41	-2.77	51.64	54.00	-2.36	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2417 MHz		
Remark:			



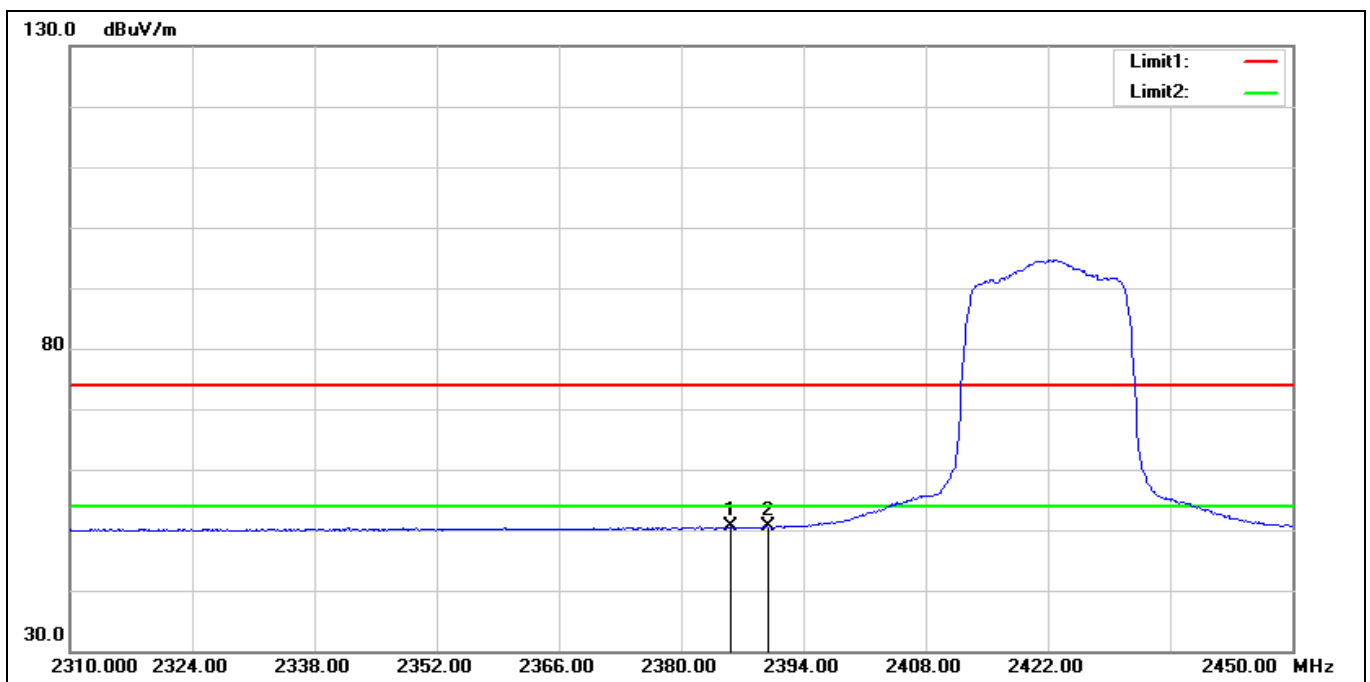
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2389.240	53.20	-2.67	50.53	54.00	-3.47	AVG
2	2390.000	52.97	-2.67	50.30	54.00	-3.70	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2417 MHz		
Remark:			



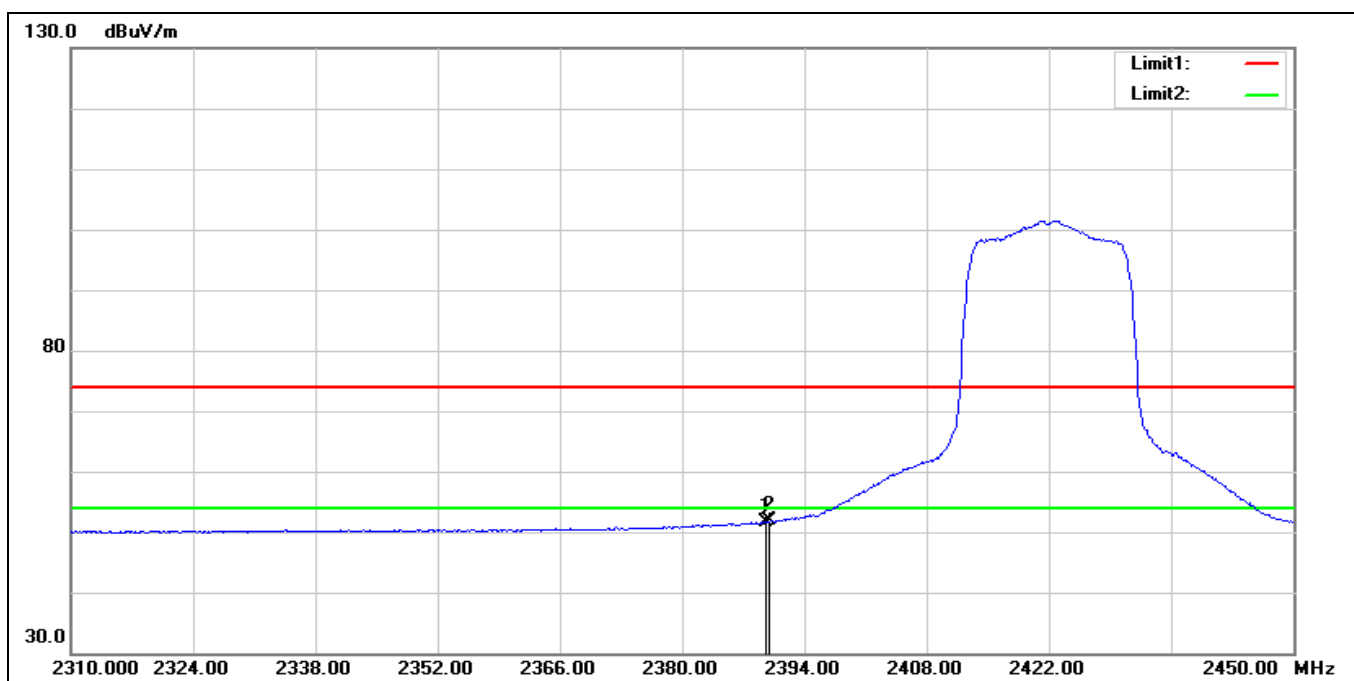
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2388.820	54.42	-2.67	51.75	54.00	-2.25	AVG
2	2390.000	54.34	-2.67	51.67	54.00	-2.33	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2422 MHz		
Remark:			



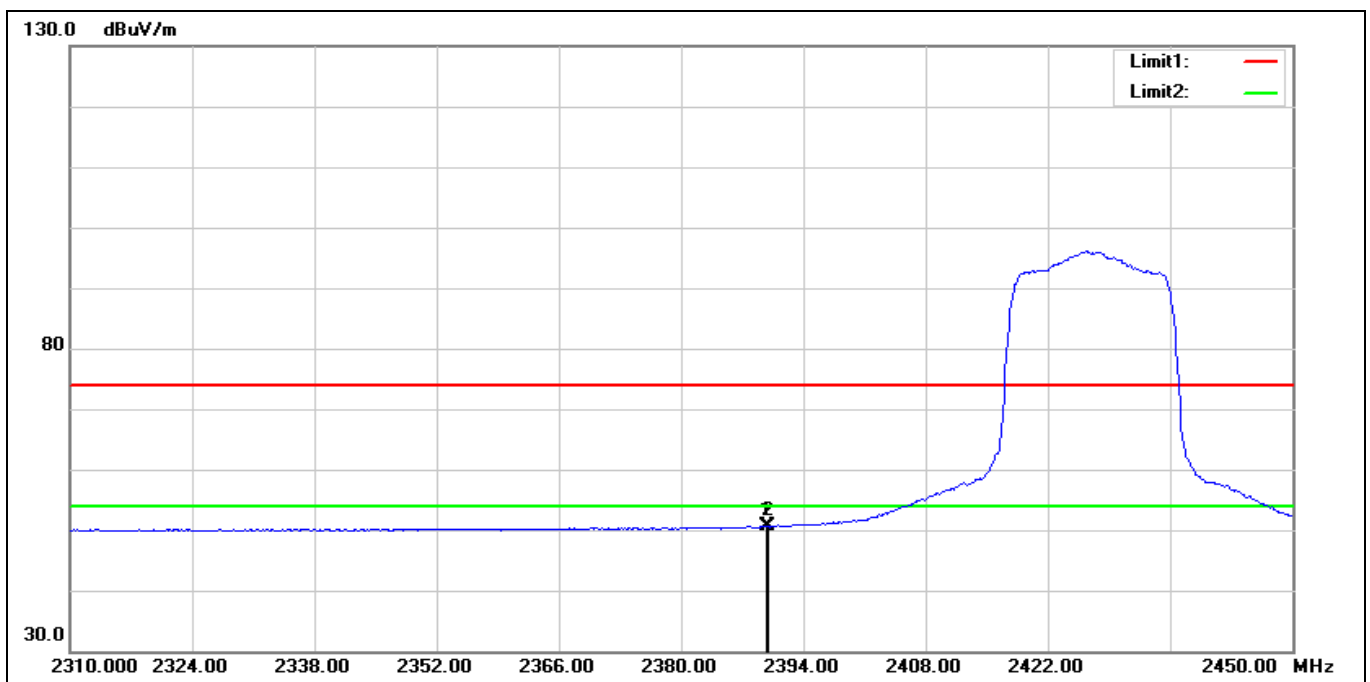
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2385.740	53.25	-2.69	50.56	54.00	-3.44	AVG
2*	2390.000	53.28	-2.67	50.61	54.00	-3.39	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2422 MHz		
Remark:			



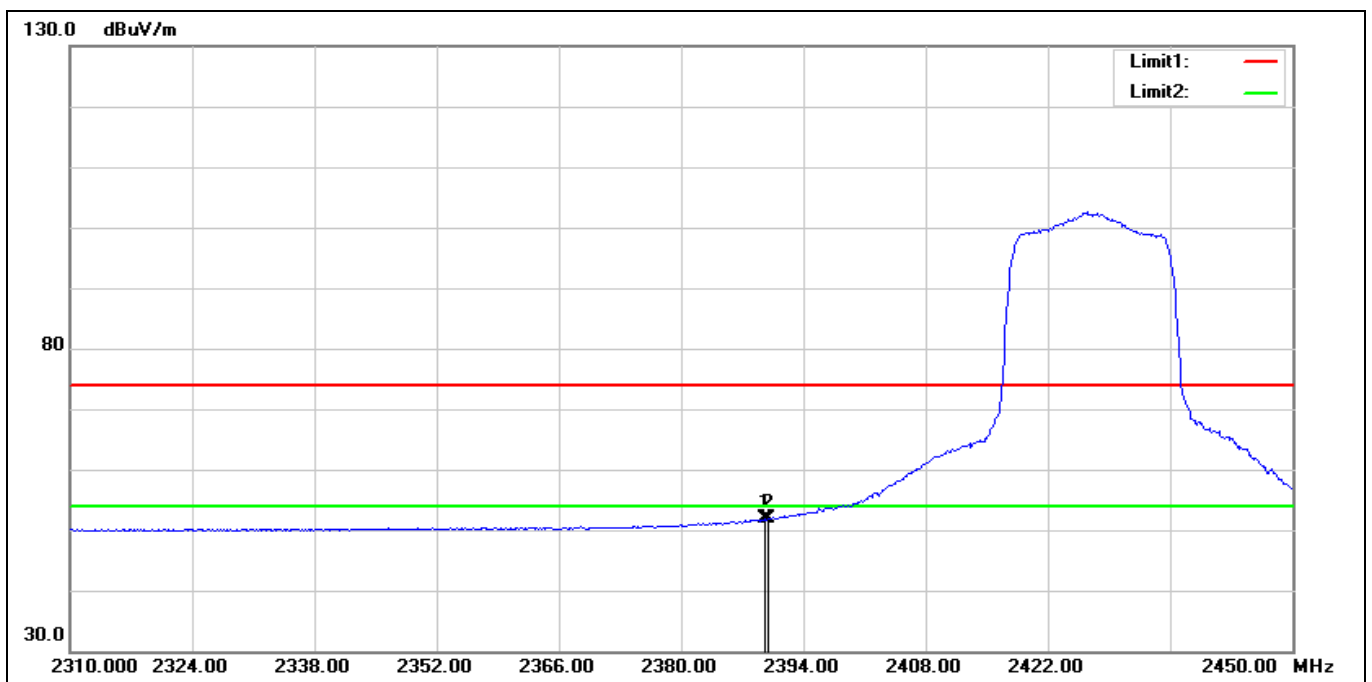
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.660	54.42	-2.67	51.75	54.00	-2.25	AVG
2*	2390.000	54.45	-2.67	51.78	54.00	-2.22	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2427 MHz		
Remark:			



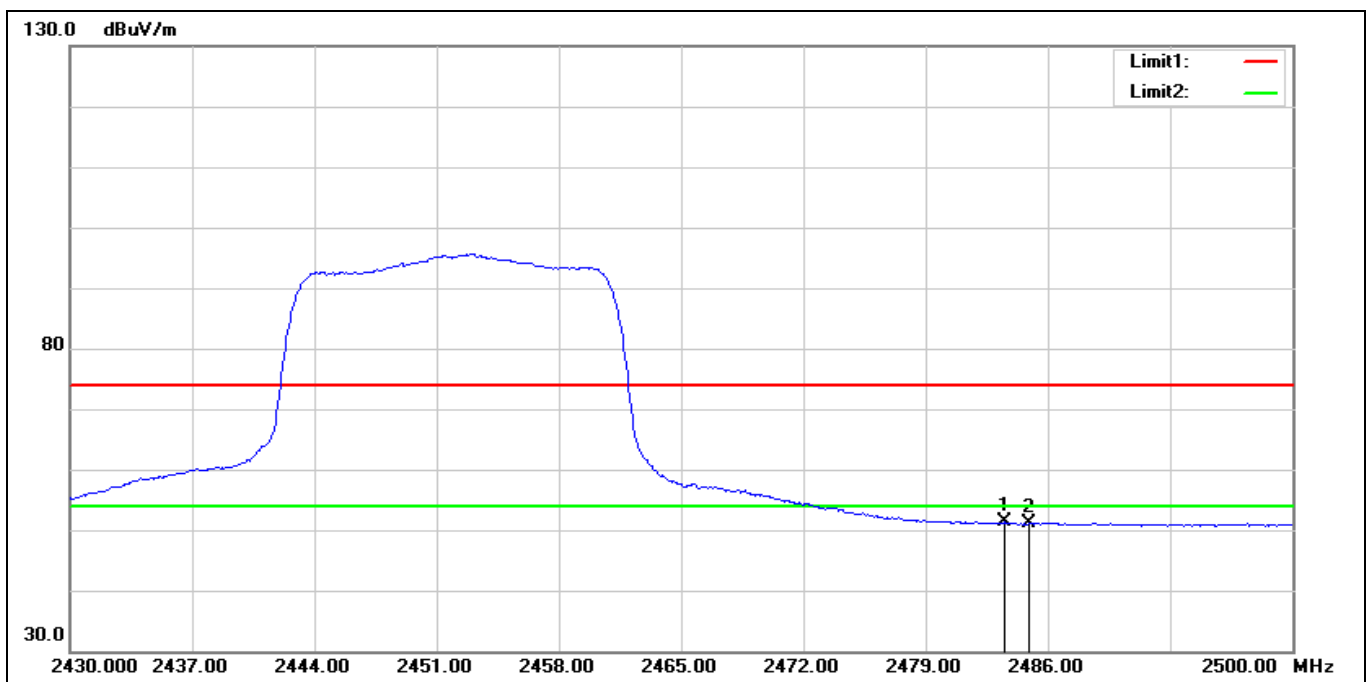
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2389.800	53.38	-2.67	50.71	54.00	-3.29	AVG
2	2390.000	53.29	-2.67	50.62	54.00	-3.38	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2427 MHz		
Remark:			



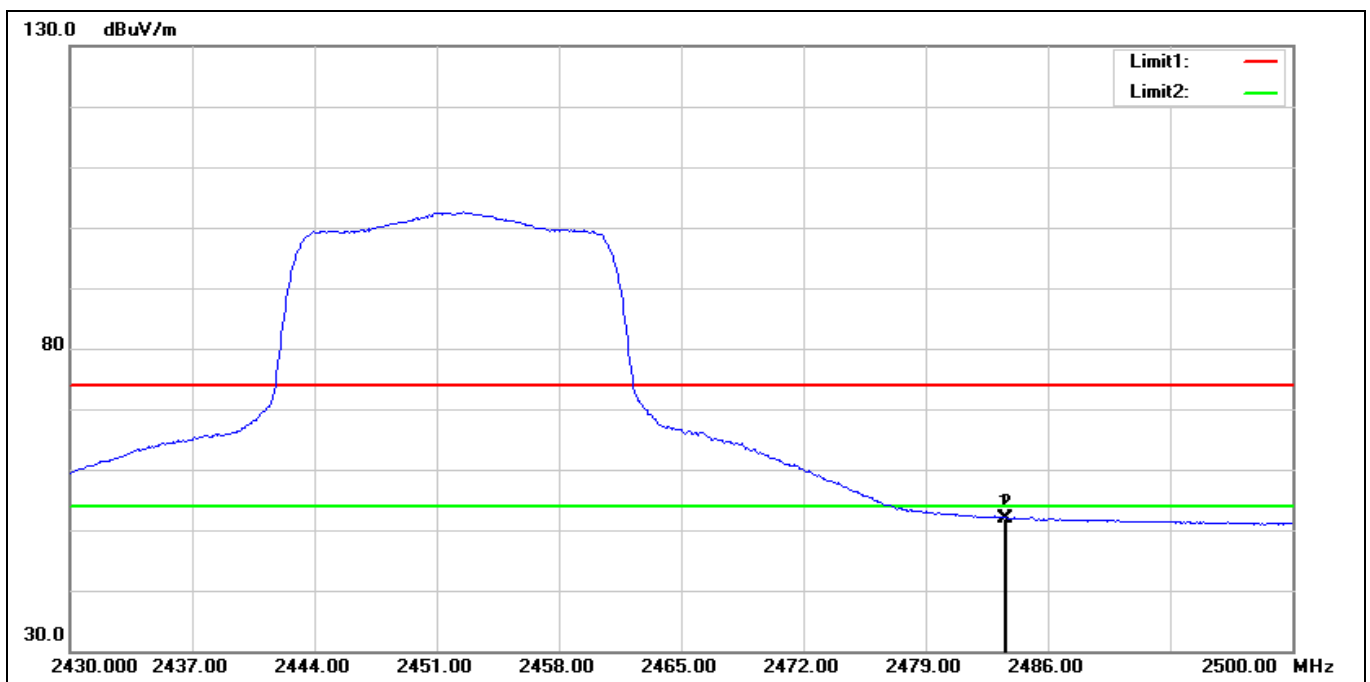
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2389.660	54.52	-2.67	51.85	54.00	-2.15	AVG
2	2390.000	54.45	-2.67	51.78	54.00	-2.22	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2452 MHz		
Remark:			



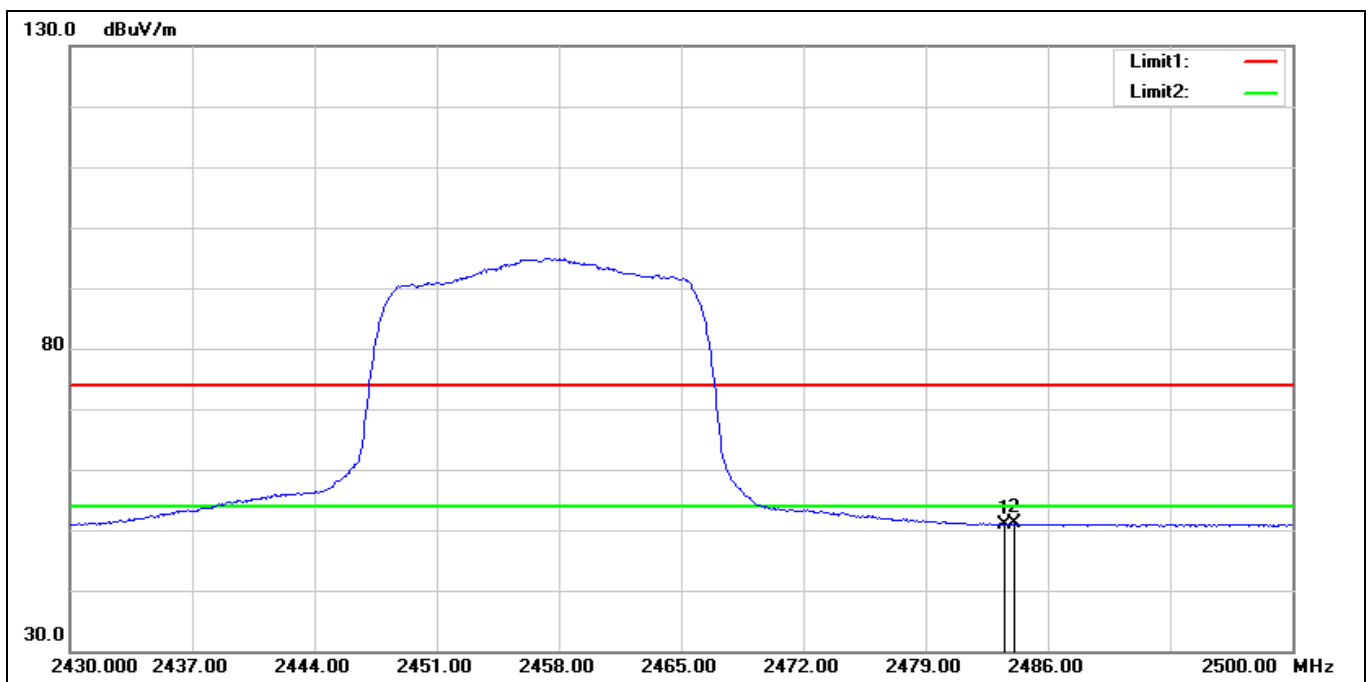
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2483.500	53.58	-2.32	51.26	54.00	-2.74	AVG
2	2484.950	53.52	-2.31	51.21	54.00	-2.79	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2452 MHz		
Remark:			



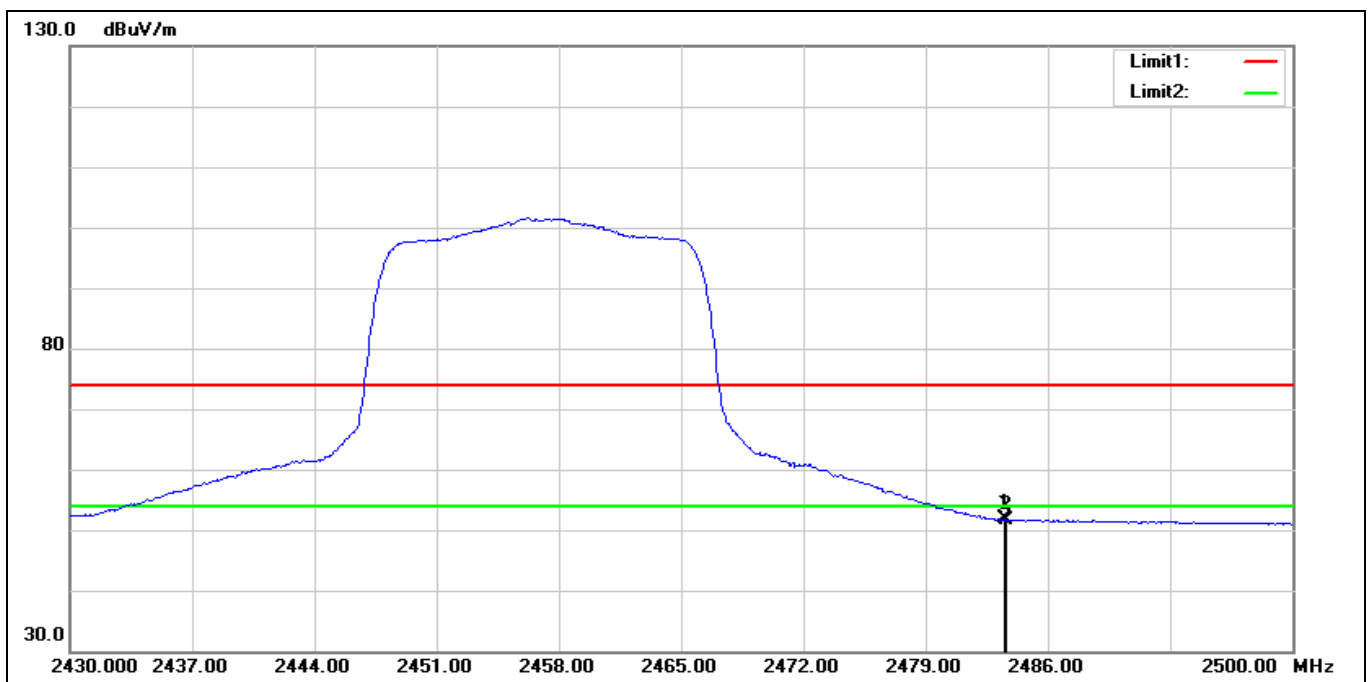
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	54.24	-2.32	51.92	54.00	-2.08	AVG
2*	2483.620	54.31	-2.32	51.99	54.00	-2.01	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2457 MHz		
Remark:			



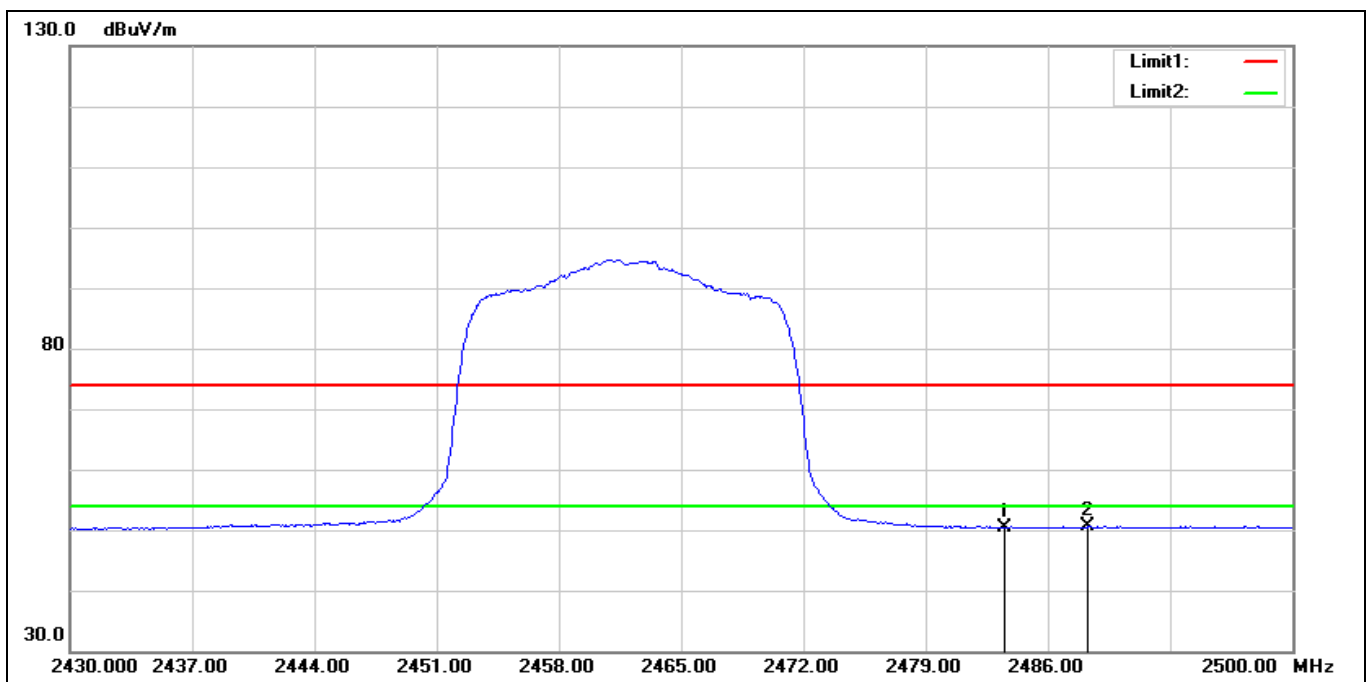
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	53.15	-2.32	50.83	54.00	-3.17	AVG
2*	2484.110	53.32	-2.31	51.01	54.00	-2.99	AVG

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2457 MHz		
Remark:			



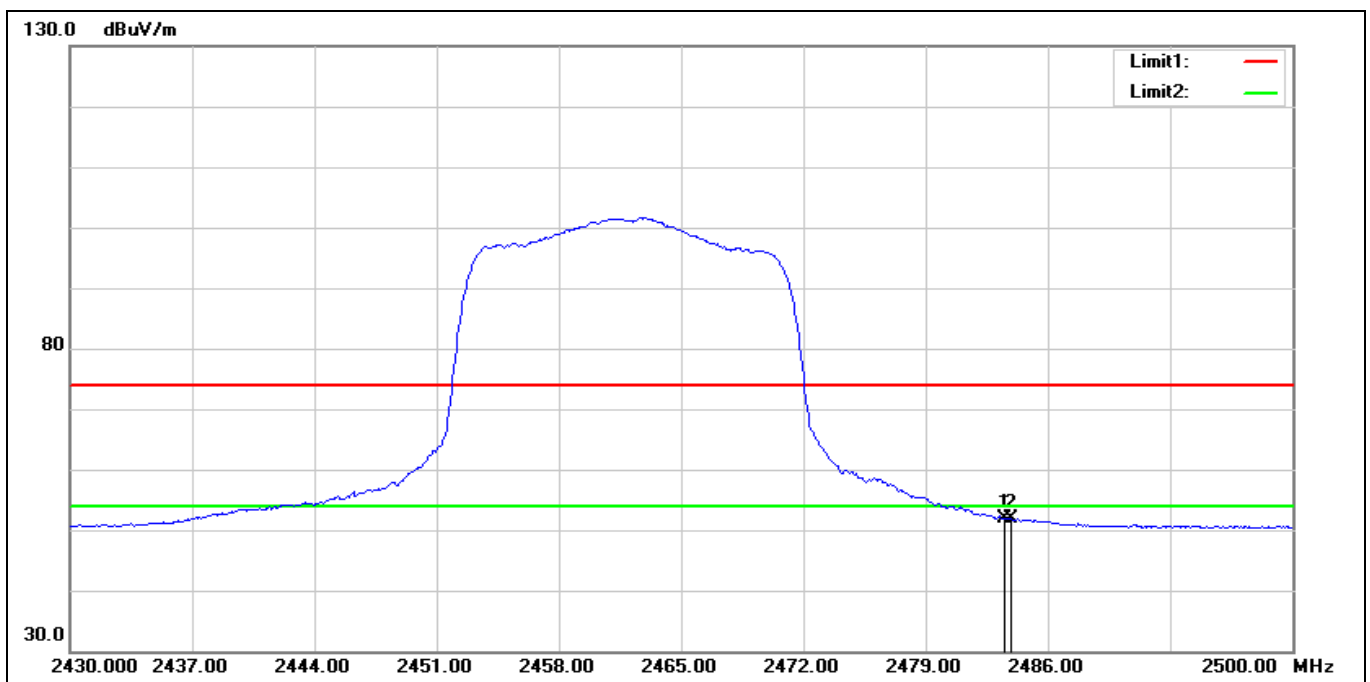
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2483.500	54.09	-2.32	51.77	54.00	-2.23	AVG
2	2483.620	54.06	-2.32	51.74	54.00	-2.26	AVG

Standard:	Part 15C	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	53.16	-2.74	50.42	54.00	-3.58	AVG
2*	2488.310	53.36	-2.74	50.62	54.00	-3.38	AVG

Standard:	Part 15C	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	54.68	-2.74	51.94	54.00	-2.06	AVG
2*	2483.900	54.72	-2.74	51.98	54.00	-2.02	AVG

Duty cycle

Reference Appendix A / Appendix B

Maximum Conducted Output Power Measurement

Reference Appendix A

6 dB RF Bandwidth Measurement

Reference Appendix A / Appendix B

Maximum Power Spectral Density Measurement

Reference Appendix A / Appendix B

Out of Band Conducted Emissions Measurement

Reference level

Reference Appendix B

Out of Band Conducted Emissions

Reference Appendix B

Conducted Band Edge

Reference Appendix B

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