

## RF Test Report

Applicant : iFIT Health and Fitness, Inc.

Product Name : Tablet

Trade Name : iFit Inc.

Model Number : MP22-NEON416-C

Applicable Standard : FCC 47 CFR PART 15 SUBPART C  
Canada RSS-247 Issue 3  
Canada RSS-Gen Issue 5 (Amendment 2)  
ANSI C63.10:2013

Received Date : Oct. 23, 2023

Test Period : Nov. 16 ~ Nov. 25, 2023

Issued Date : Jan. 24, 2024

### Issued by

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  
Frequency Range: 9 kHz to 325 GHz (Bade test site)  
Test Firm Registration Number: 226252 (Bade test site)  
Test Firm Registration Number: 191812 (Wugu test site)  
Test Firm Registration Number: 7381A (Bade test site)  
Test Firm Registration Number: 28922 (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

Rev.	Issued Date	Description	Revised by
00	Jan. 24, 2024	Initial Issue	Emma Chao

# Verification of Compliance

Applicant : iFIT Health and Fitness, Inc.

Product Name : Tablet

Trade Name : iFit Inc.

Model Number : MP22-NEON416-C

FCC ID : OMC447847C

IC : 3673A-447847C

Applicable Standard : FCC 47 CFR PART 15 SUBPART C  
 Canada RSS-247 Issue 3  
 Canada RSS-Gen Issue 5 (Amendment 2)  
 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

FCC 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	-----

IC Standard	Item	Result	Remark
RSS-Gen			
6.7	99 % Occupied Bandwidth	Reference	-----
8.8	AC Power Line Conducted Emissions	PASS	-----
8.9	Transmitter Radiated Emissions	PASS	-----
6.8	Antenna Requirement	PASS	-----
Standard			
RSS-247			
5.4 (d), 5.4 (f) (ii)	Max. Output Power and E.I.R.P.	PASS	-----
5.2 (a)	6 dB Emission Bandwidth	PASS	-----
5.2 (b)	Maximum Power Spectral Density	PASS	-----
5.5	Out of Band Conducted Spurious Emission	PASS	-----

### Decision Rule

- Uncertainty is not included.
- Uncertainty is included.

Standard	Description
CFR47, Part 15, Subpart C	Intentional Radiators
IC RSS-247 Issue 3	Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices
IC RSS-Gen Issue 5 Amendment 2	General Requirements for Compliance of Radio Apparatus Amendment
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		1.1 %	1.0 %		
Test Item	Frequency	Uncertainty			
		96601-BD	96603-BD	96602-WG	96603-WG
Radiated Emission	9 kHz ~ 30 MHz	1.9 dB	1.9 dB	1.6 dB	1.6 dB
	30 MHz ~ 1000 MHz	4.9 dB	4.9 dB	4.8 dB	4.8 dB
	1000 MHz ~ 18000 MHz	4.9 dB	5.0 dB	5.0 dB	5.2 dB
	18000 MHz ~ 26500 MHz	4.3 dB	4.4 dB	4.4 dB	4.5 dB
	26500 MHz ~ 40000 MHz	4.5 dB	4.5 dB	4.6 dB	4.5 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 / E.I.R.P. / 99 % Occupied Bandwidth / Emission Designator).

Applicant	iFIT Health and Fitness, Inc. 1500 S 1000 W, Logan, Utah, United States, 84321				
Product Name	Tablet				
Trade Name	iFit Inc.				
Model Number	MP22-NEON416-C				
FCC ID	OMC447847C				
IC	3673A-447847C				
Hardware Version	R03				
Software Version	CKN1_20231011				
Operate Freq. Band	Frequency Range (MHz)	Modulation	Channel Bandwidth	Data Rate (ns)	
802.11b	2412 ~ 2472	DSSS	20 MHz	Up to 11 Mbps	
802.11g	2412 ~ 2472	OFDM	20 MHz	Up to 54 Mbps	
802.11n HT20	2412 ~ 2472	OFDM	20 MHz	Up to 216.6 Mbps	
802.11n HT40	2422 ~ 2462	OFDM	40 MHz	Up to 260.1 Mbps	
Antenna information	Antenna	Manufacturer	Model	Type	Max. Gain (dBi)
	Main (ANT-0)	Smart Approach Co., Ltd.	DC33002Q40H (SE-ER5L1-001)	PIFA Antenna	2.58
	Aux (ANT-1)	Smart Approach Co., Ltd.	DC33002Q41H (SE-ER5L1-002)	PIFA Antenna	2.42
Antenna Delivery	See section 3.1				
Operate Temp. Range	0 ~ 40 °C				
EUT Power Rating	DC 12 V, 2 A				

Frequency Band	Max. RF Output Power (W)	E.I.R.P. (W)	99 % Occupied Bandwidth (MHz)	Emission Designator
802.11b	0.158	0.2869	13.903	13M9G1D
802.11g	0.145	0.2630	16.799	16M8D1D
802.11n HT20	0.193	0.1928	18.083	18M1D1D
802.11n HT40	0.199	0.1986	36.677	36M7D1D

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	2467	2472
BW 40M	CH	NA		3	4	5	6	7	8	9	10	11	NA	
	Freq. (MHz)	NA		2422	2427	2432	2437	2442	2447	2452	2457	2462	NA	



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

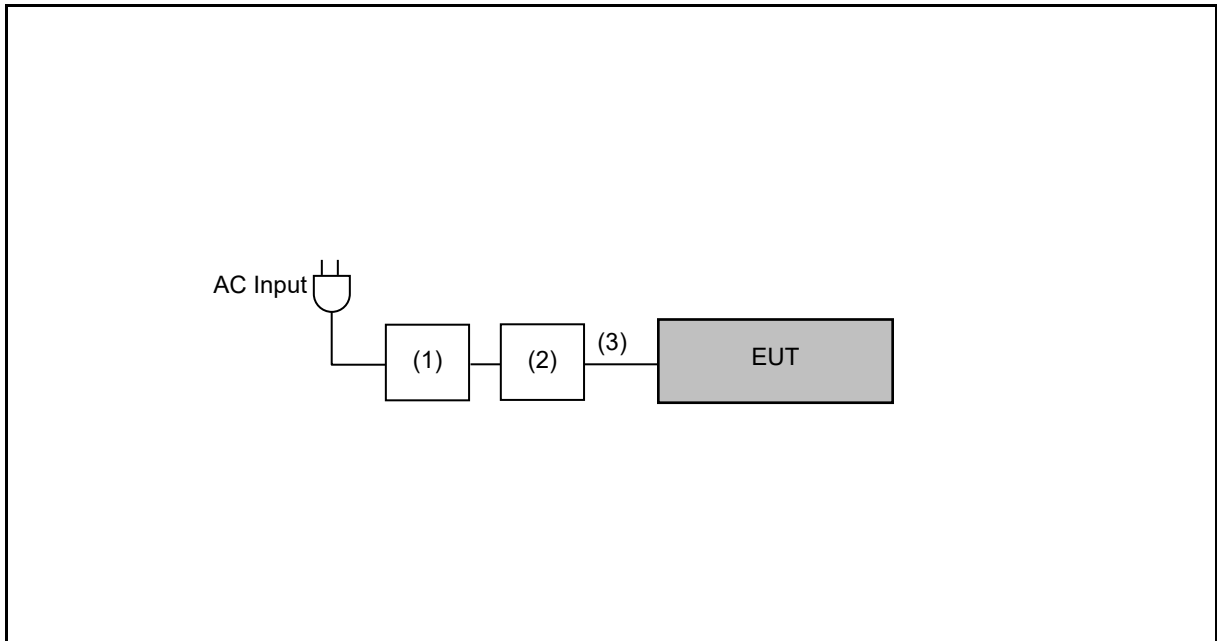
Test Mode	Antenna Delivery	Data Rate (Mbps)	Test Channel
802.11b	2TX (CDD)	1	1, 6, 11,12,13
802.11g	2TX (CDD)	6	1, 6, 11,12,13
802.11n HT20	2TX (MIMO)	13	1, 6, 11,12,13
802.11n HT40	2TX (MIMO)	27	3, 6, 9,10,11

### 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

Conducted Emissions & Radiated Emission



	Product	Manufacturer	Model Number	Serial Number	Power Cord
(1)	Adapter	ASUS	EXA1203YH	---	---
(2)	NB	ASUS	BU400A	---	---
(3)	USB	USBMAX	USB2.0 MINI 5pin	---	---

### 3.4. Test Instruments

For Conducted Emission

Test Period: Nov. 21, 2023

Testing Engineer: Jayson Hsieh

Test Site		Conduction01-BD				
Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
<input checked="" type="checkbox"/>	Test Receiver	R&S	ESCI	100367	May 22, 2023	1 year
<input checked="" type="checkbox"/>	LISN	R&S	ENV216	101040	Mar. 21, 2023	1 year
<input checked="" type="checkbox"/>	LISN	R&S	ENV216	101140	Jan. 12, 2023	1 year
<input checked="" type="checkbox"/>	RF Cable	Woken	00100D1380194M	TE-02-03	Jun. 01, 2023	1 year
<input checked="" type="checkbox"/>	Software	EZ EMC	1.1.4.3	N/A	N.C.R.	---

For Conducted

Test Period: Nov. 16 ~ Nov. 25, 2023

Testing Engineer: John Chen, Peter Shui

Test Site		RF01-BD				
Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
<input checked="" type="checkbox"/>	Power Sensor	Anritsu	MA2411B	1126022	Aug. 31, 2023	1 year
<input checked="" type="checkbox"/>	Power Meter	Anritsu	ML2495A	1135009	Aug. 31, 2023	1 year
<input checked="" type="checkbox"/>	Spectrum Analyzer (20 Hz~26.5 GHz)	Agilent	N9020A	US47520902	Sep. 04, 2023	1 year

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

For Radiated Emissions

Test Period: Nov. 22 ~ Nov. 24, 2023

Testing Engineer: Hung Chou, Kerry Xu, Marc Yeh

Test Site		96603-BD				
Radiation test sites		Semi Anechoic Room				
Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
<input checked="" type="checkbox"/>	Spectrum Analyzer (10 Hz~44 GHz)	Keysight	N9020B	MY60112363	Jan. 13, 2023	1 year
<input checked="" type="checkbox"/>	Amplifier (100 kHz~1.3 GHz)	Agilent	8447D	2944A11119	Jan. 07, 2023	1 year
<input checked="" type="checkbox"/>	Broadband Amplifier (1 GHz~26.5 GHz)	Titan	T0912E01263025 A1F	002	Jul. 24, 2023	1 year
<input checked="" type="checkbox"/>	Trilog Broadband Antenna (30 kHz~1 GHz)	Schwarzbeck Mess-Elektronik	VULB9168	01146	Jun. 26, 2023	1 year
<input checked="" type="checkbox"/>	Broadband Horn Antenna (1 GHz~18 GHz)	Schwarzbeck Mess-Elektronik	9120D	02207	Jul. 07, 2023	1 year
<input checked="" type="checkbox"/>	Broadband Horn Antenna (18 GHz~40 GHz)	Schwarzbeck Mess-Elektronik	9170	9170-320	Jul. 21, 2023	1 year
<input checked="" type="checkbox"/>	Coaxial Cable	Titan	T0710AT327A10 A100	J11005	Aug. 10, 2023	1 year
<input checked="" type="checkbox"/>	Coaxial Cable	Titan	T0710AT327A10 A900	J11004	Aug. 10, 2023	1 year
<input checked="" type="checkbox"/>	Coaxial Cable	Titan	CFD400NL-LW	001	Aug. 10, 2023	1 year
<input checked="" type="checkbox"/>	Software	EZ EMC	1.1.4.4	N/A	N.C.R.	---

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

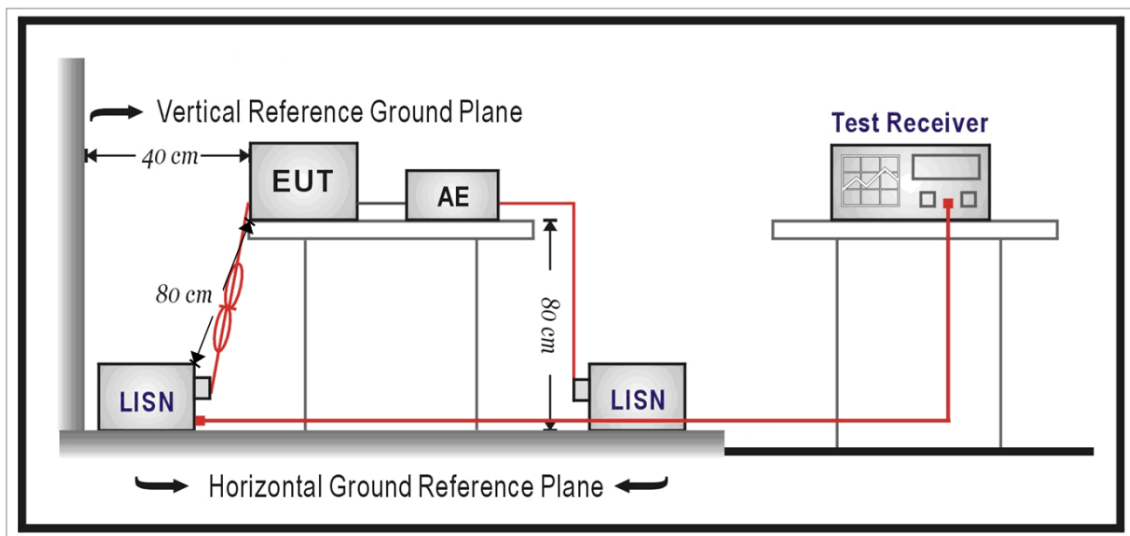
## 4 Measurement Procedure

### 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

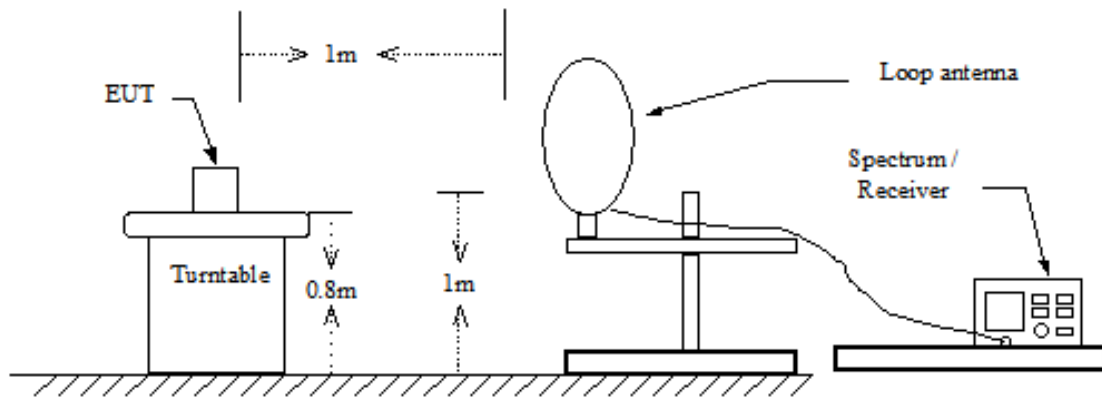
According to §15.209(a) and RSS-Gen, except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

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

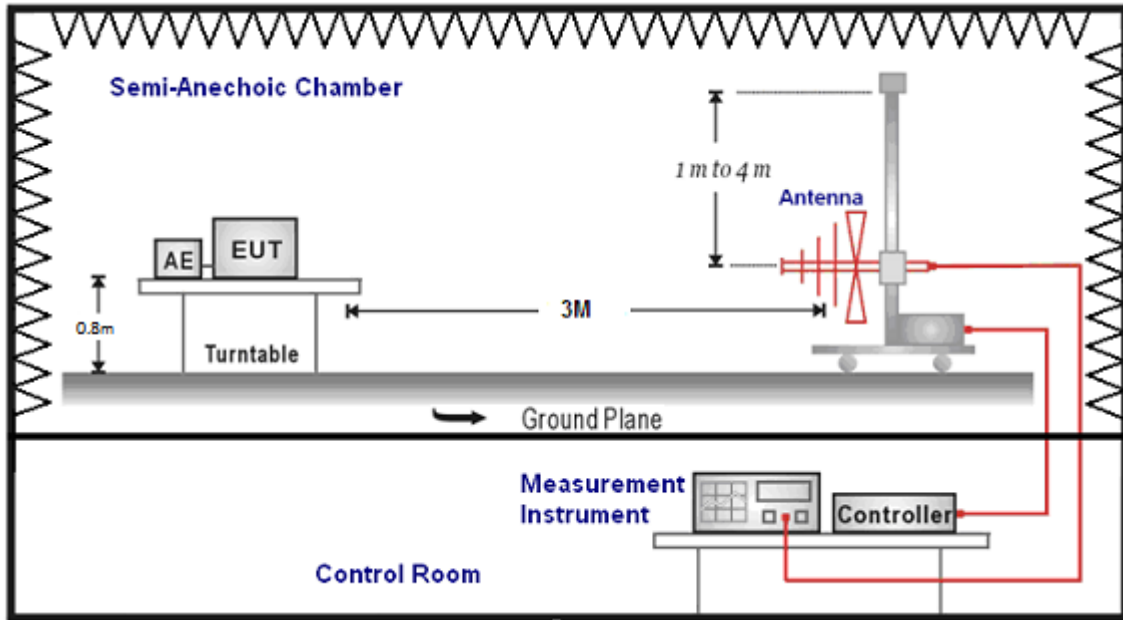
\*\* Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this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

### ■ Setup

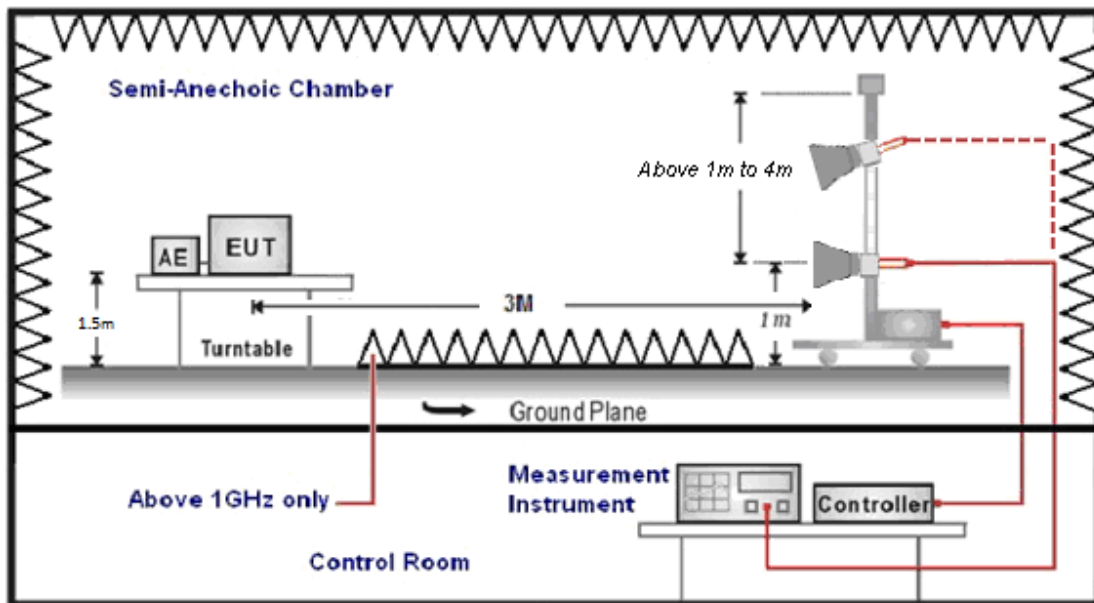
9 kHz ~ 30 MHz



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.

Biconilog Antenna at 3 Meter and the Horn 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 pre 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 is 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)  $\text{Amplitude (dBuV/m)} = \text{FI (dBuV)} + \text{AF (dBuV)} + \text{CL (dBuV)} - \text{Gain (dB)}$

FI= Reading of the field intensity.

AF= Antenna factor.

CL= Cable loss.

P.S Amplitude is auto calculate in spectrum analyzer.

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

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 and E.I.R.P. Measurement

■ **Limit**

**For FCC:**

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

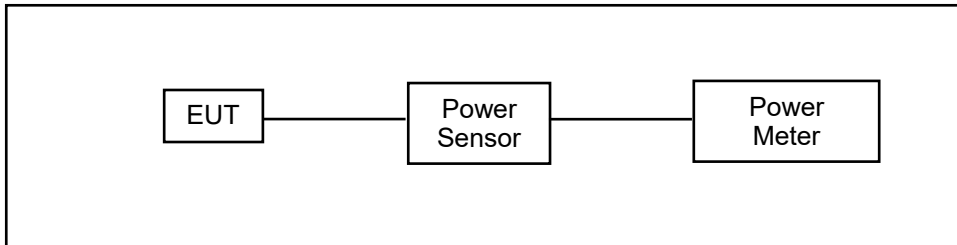
And According to 15.247 (b), if transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

**For IC:**

For DTSs employing digital modulation techniques operating in the bands 2400-2483.5 MHz, the maximum peak conducted output power shall not exceed 1 W, the e.i.r.p. shall not exceed 4 W.

As an alternative to peak power measurement, compliance can be based on a measurement of the maximum conducted output power. The maximum conducted output power is the total transmit power delivered to all antennas and antenna elements, averaged across all symbols in the signalling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or transmitting at a reduced power level. If multiple modes of operation are implemented, the maximum conducted output power is the highest total transmit power occurring in and mode.

■ **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 and 99 % Occupied Bandwidth Measurement

■ **Limit**

**For FCC:**

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.

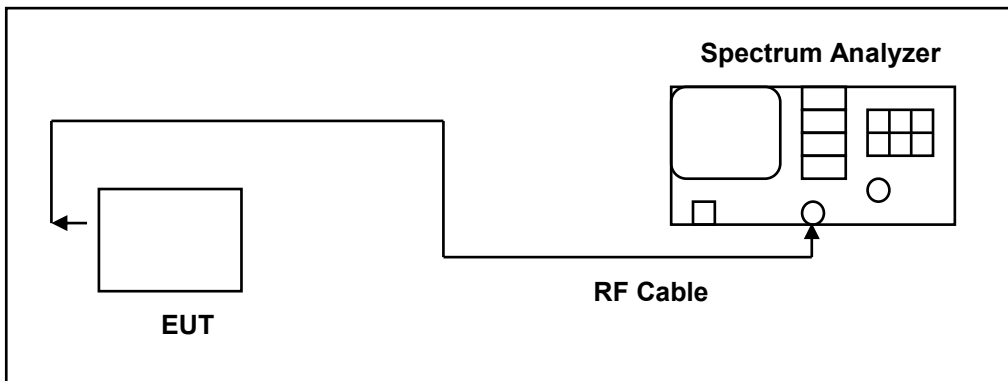
**For IC:**

6 dB RF Bandwidth:

For DTSs employing digital modulation techniques operating in the bands 2400-2483.5 MHz, the minimum 6 dB bandwidth shall be 500 kHz.

99 % Occupied Bandwidth: N/A

■ **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 and RSS-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).

99 % Occupied Bandwidth

The transmitter shall be operated at its maximum carrier power measured under normal test conditions.

The video bandwidth shall be set to 3 times the resolution bandwidth. Video averaging is not permitted. Where practical, a sampling detector shall be used since a peak or, peak hold, may produce a wider bandwidth than actual.

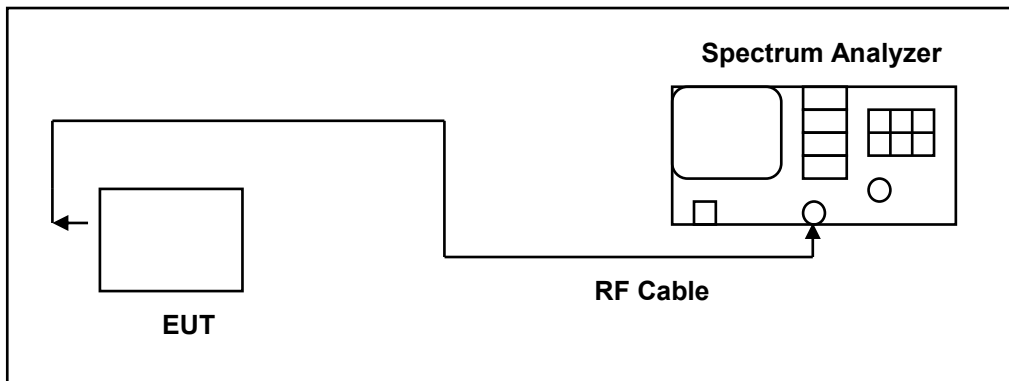
The trace data points are recovered and are directly summed in linear terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached and that frequency recorded. The process is repeated for the highest frequency data points. This frequency is recorded.

## 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 and RSS-247 requirements.

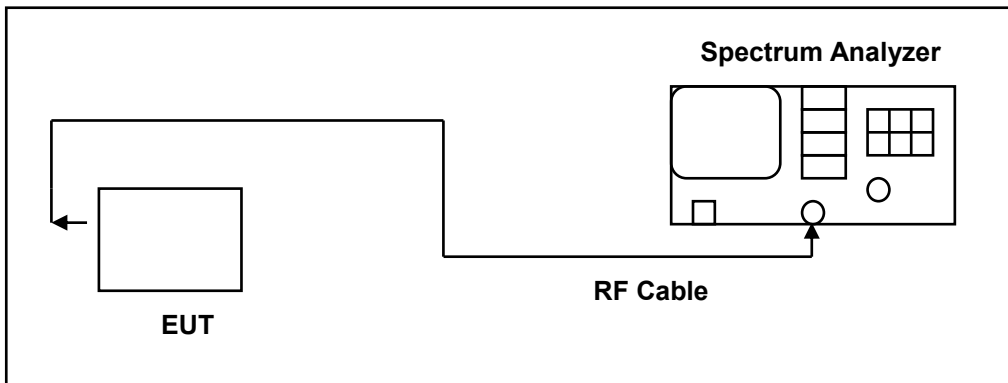
1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the DTS bandwidth.
3. Set the RBW to:  $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$ .
4. Set the VBW  $\geq 3 \times \text{RBW}$ .
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max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

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.

#### For IC:

The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.

For expediting the testing, measurements may be performed using only the antenna with highest gain of each combination of transmitter and antenna type, with the transmitter output power set at the maximum level. However, the transmitter shall comply with the applicable requirements under all operational conditions and when in combination with any type of antenna from the list provided in the test report (and in the notice to be included in the user manual, provided below).

When measurements at the antenna port are used to determine the RF output power, the effective gain of the device's antenna shall be stated, based on a measurement or on data from the antenna's manufacturer.

The test report shall state the RF power, output power setting and spurious emission measurements with each antenna type that is used with the transmitter being tested.

For licence-exempt equipment with detachable antennas, the user manual shall also contain the following notice in a conspicuous location:

This radio transmitter [enter the device's ISED certification number] has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

Immediately following the above notice, the manufacturer shall provide a list of all antenna types which can be used with the transmitter, indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna type.

■ **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	CDD	2.58	2.42	-	-	2.58	5.51	0.00	0.00
802.11g	CDD	2.58	2.42	-	-	2.58	5.51	0.00	0.00
802.11n HT20 802.11n HT40	MIMO	2.58	2.42	-	-	5.51	5.51	0.00	0.00

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

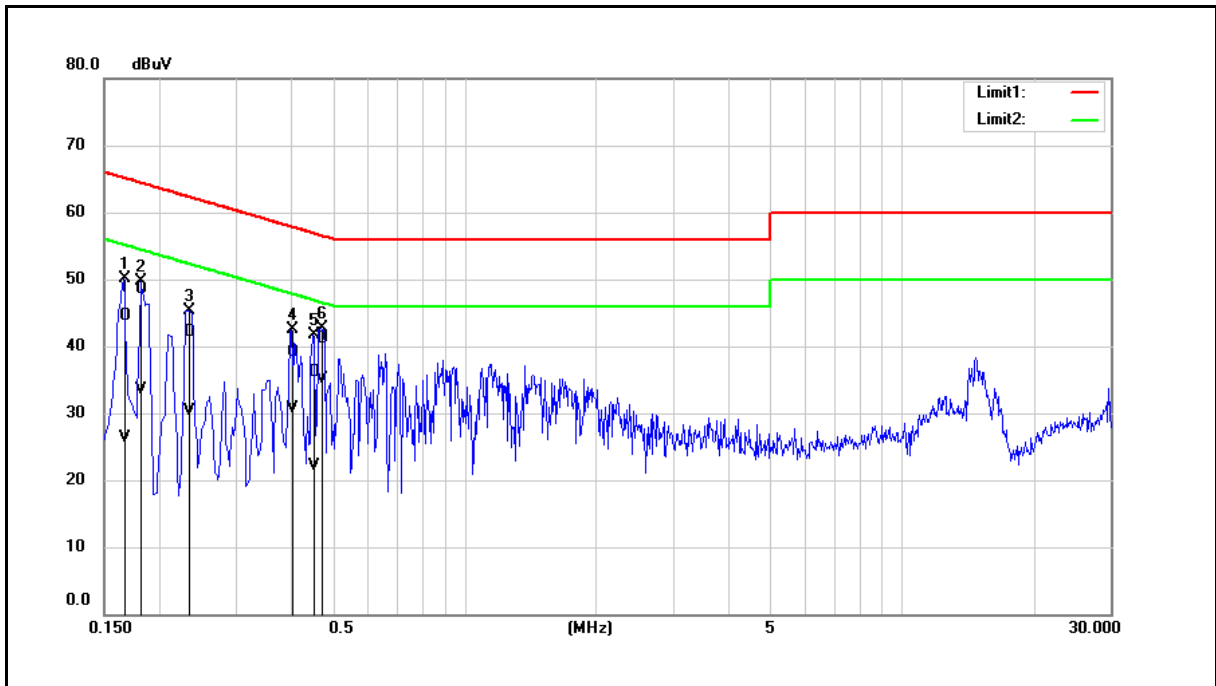
If all transmit signals are completely uncorrelated, then Directional gain =  $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10}) / NANT]$



## 5 Test Results

### 5.1. Conducted Emission

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

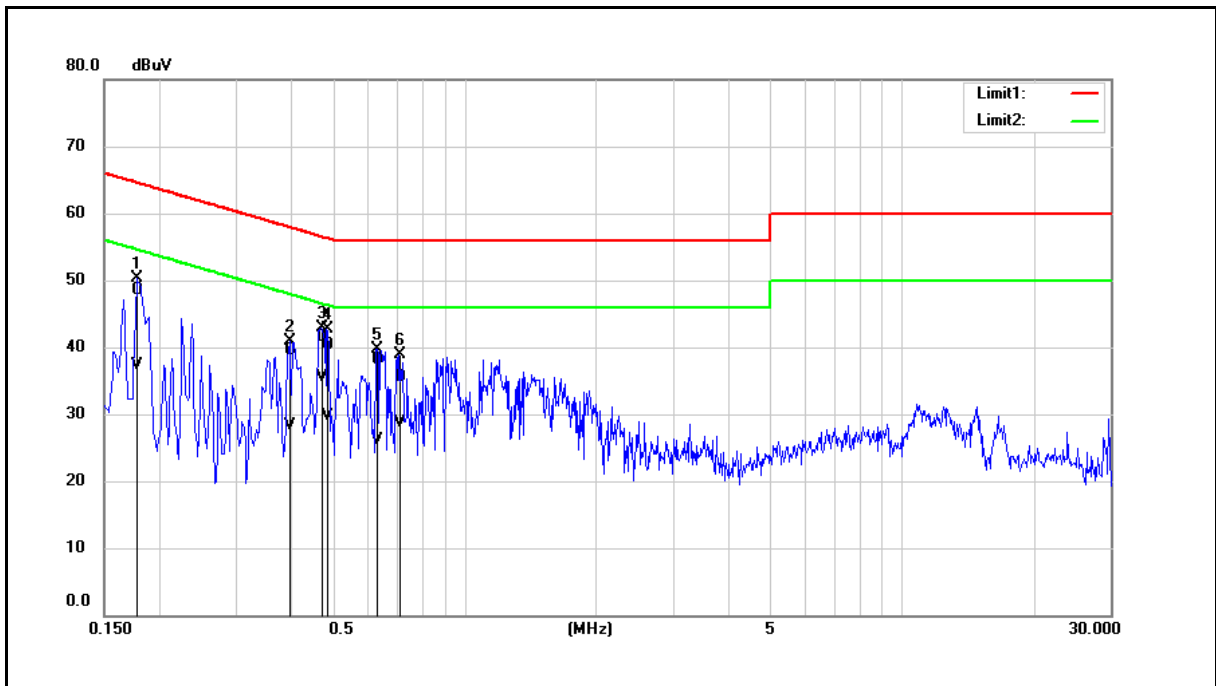


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1660	34.91	16.77	9.61	44.52	26.38	65.16	55.16	-20.64	-28.78	Pass
2	0.1820	38.90	23.87	9.61	48.51	33.48	64.39	54.39	-15.88	-20.91	Pass
3	0.2340	32.42	20.74	9.61	42.03	30.35	62.31	52.31	-20.28	-21.96	Pass
4	0.4020	29.57	21.13	9.63	39.20	30.76	57.81	47.81	-18.61	-17.05	Pass
5	0.4500	26.48	12.52	9.63	36.11	22.15	56.88	46.88	-20.77	-24.73	Pass
6	0.4700	31.56	25.55	9.63	41.19	35.18	56.51	46.51	-15.32	-11.33	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 / RSS-Gen	Line:	N
Test item:	Conducted Emission	Power:	AC 120 V/60 Hz
Test Mode:	Transmit Mode		
Description:			



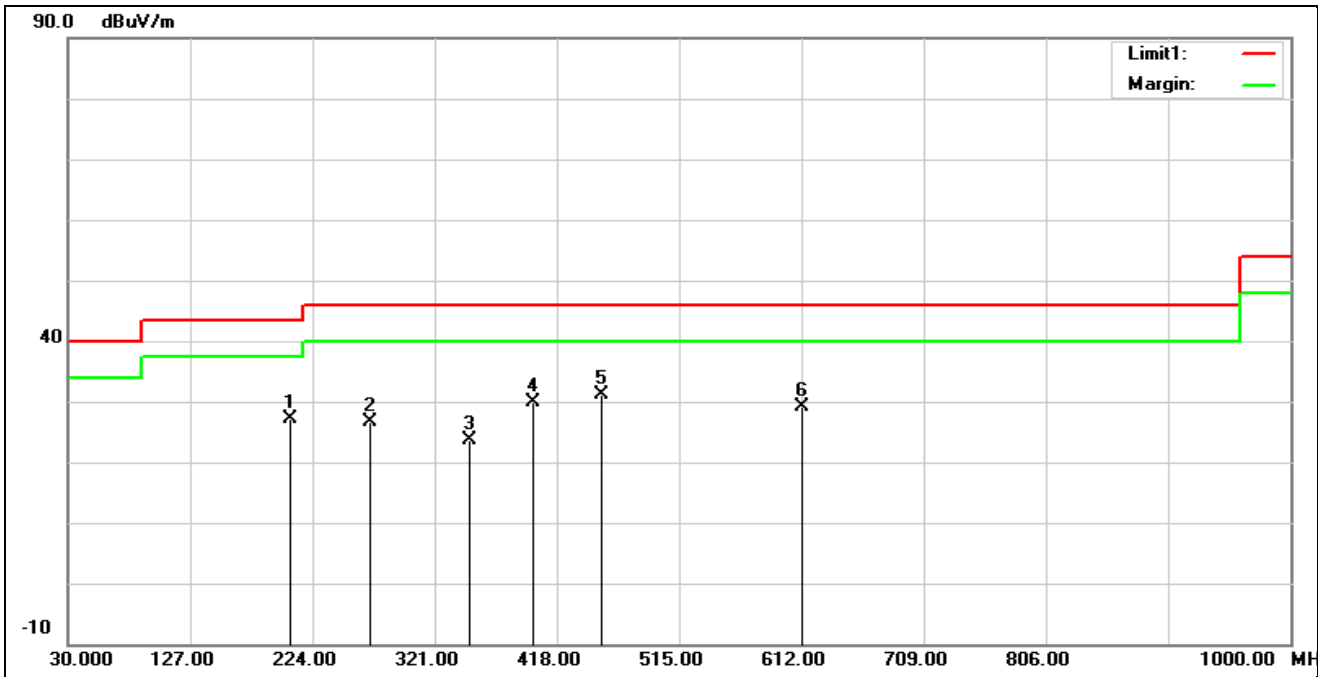
No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1780	38.93	27.60	9.61	48.54	37.21	64.58	54.58	-16.04	-17.37	Pass
2	0.3980	29.93	18.78	9.62	39.55	28.40	57.90	47.90	-18.35	-19.50	Pass
3	0.4700	31.94	25.91	9.62	41.56	35.53	56.51	46.51	-14.95	-10.98	Pass
4	0.4860	30.68	20.14	9.62	40.30	29.76	56.24	46.24	-15.94	-16.48	Pass
5	0.6300	28.55	16.38	9.63	38.18	26.01	56.00	46.00	-17.82	-19.99	Pass
6	0.7100	25.86	19.00	9.64	35.50	28.64	56.00	46.00	-20.50	-17.36	Pass

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

## 5.2. Radiated Emission Measurement

Below 1 GHz

Standard:	Part 15.247 / RSS-Gen	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	Transmit Mode		
Remark:			



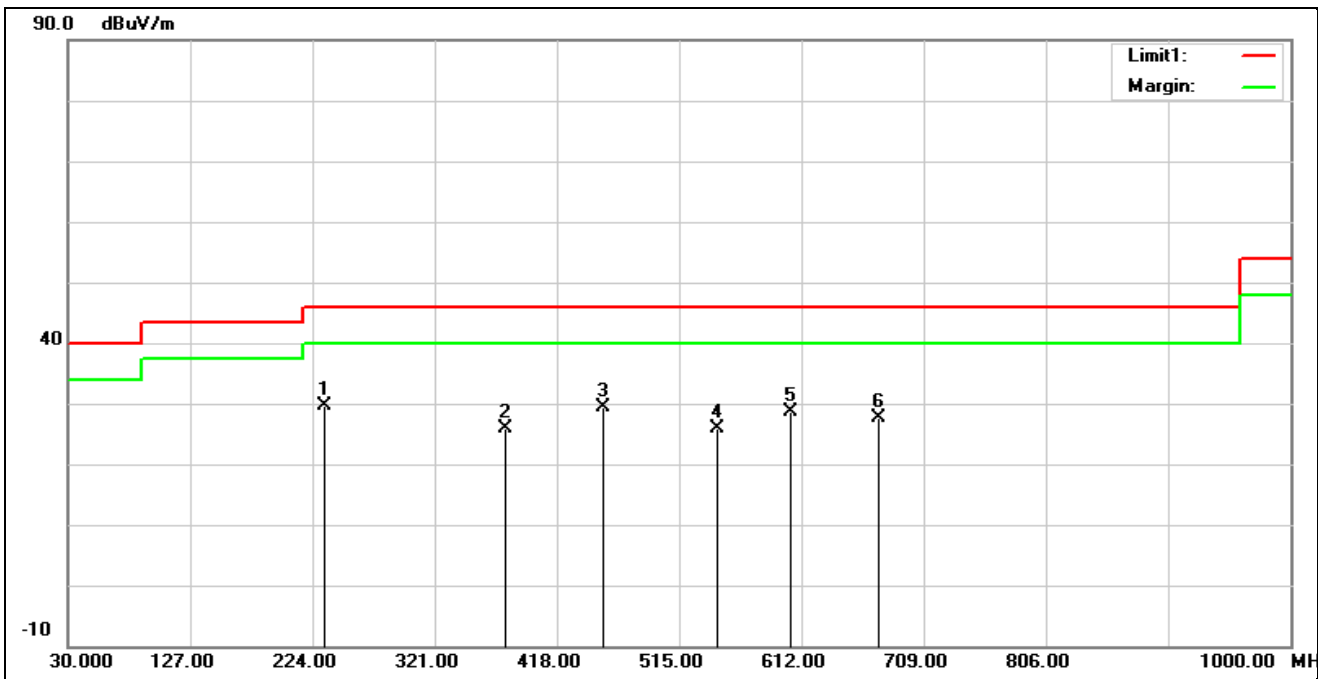
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	206.5400	36.20	-9.07	27.13	43.50	-16.37	QP
2	269.5900	33.16	-6.53	26.63	46.00	-19.37	QP
3	349.1300	28.10	-4.58	23.52	46.00	-22.48	QP
4	398.6000	33.19	-3.25	29.94	46.00	-16.06	QP
5*	453.8900	33.22	-1.99	31.23	46.00	-14.77	QP
6	612.9700	28.34	0.80	29.14	46.00	-16.86	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 / RSS-Gen	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	Transmit Mode		
Remark:			



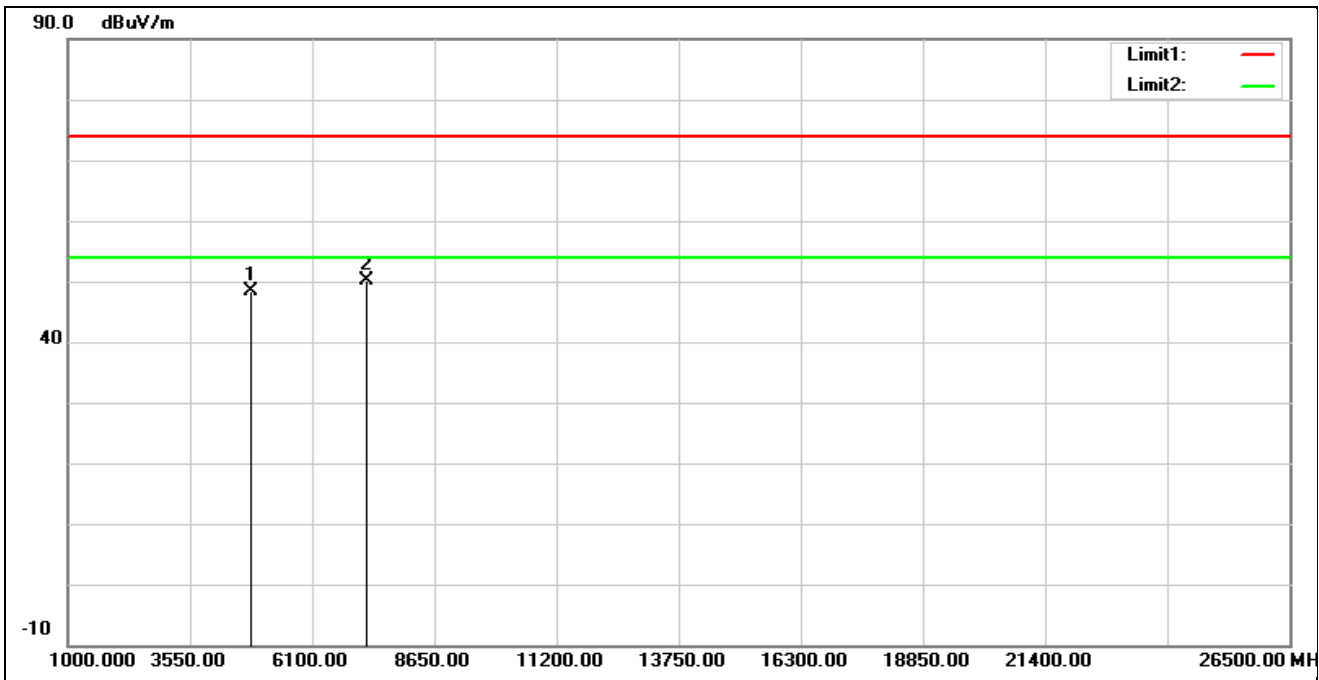
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	233.7000	37.37	-7.79	29.58	46.00	-16.42	QP
2	377.2600	29.79	-3.84	25.95	46.00	-20.05	QP
3	454.8600	31.26	-2.00	29.26	46.00	-16.74	QP
4	545.0700	26.70	-0.91	25.79	46.00	-20.21	QP
5	603.2700	27.96	0.64	28.60	46.00	-17.40	QP
6	673.1100	25.74	1.83	27.57	46.00	-18.43	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**

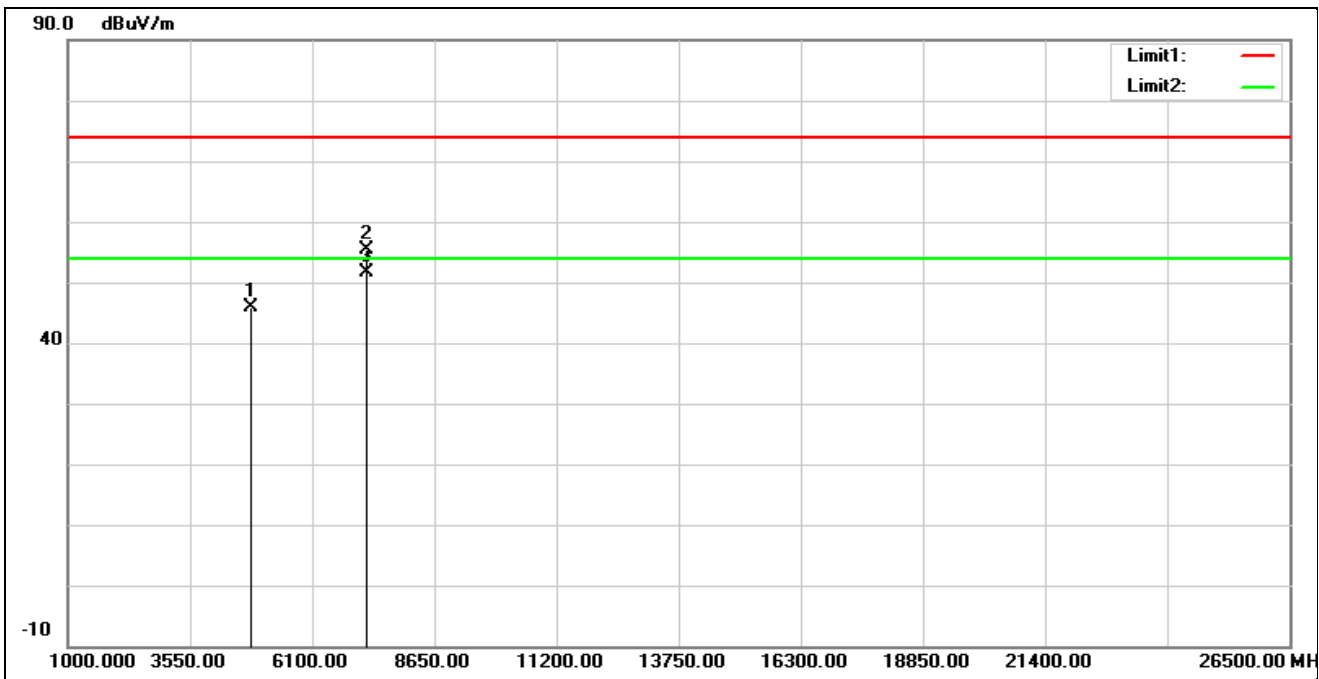
Above 1 GHz

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



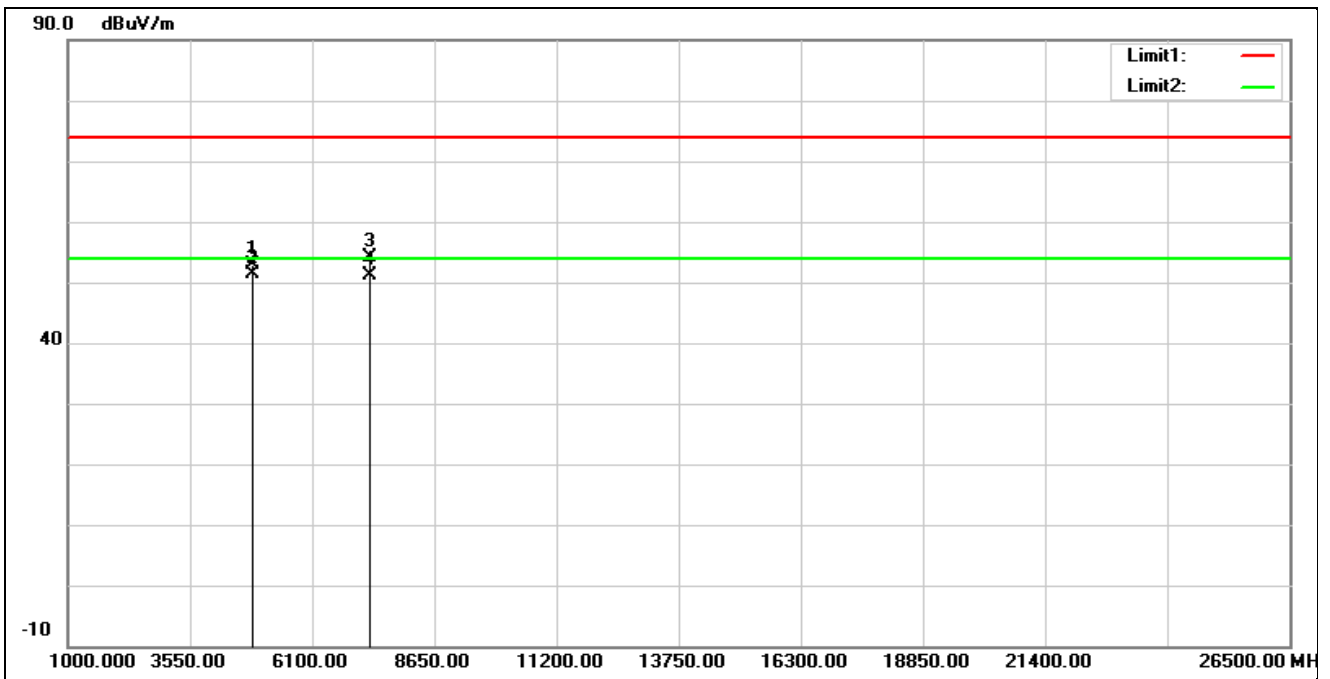
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	48.70	-0.23	48.47	74.00	-25.53	peak
2*	7236.000	43.60	6.52	50.12	74.00	-23.88	peak

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



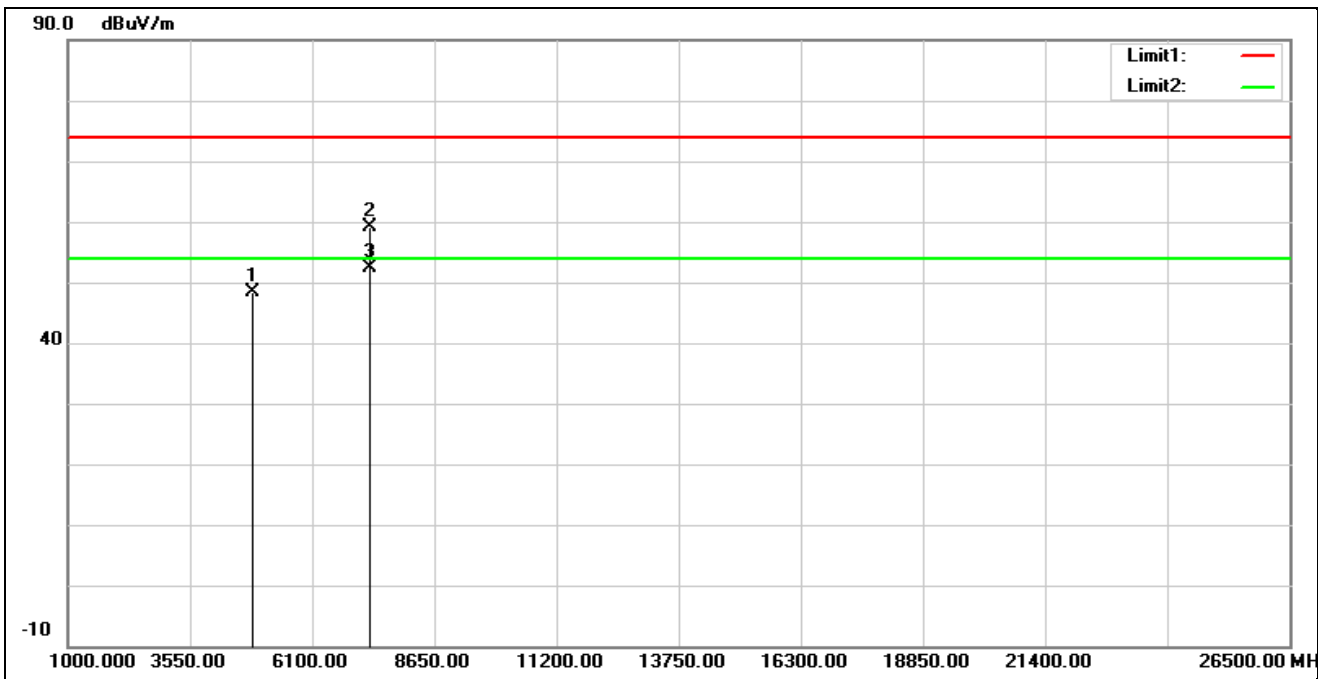
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	46.07	-0.23	45.84	74.00	-28.16	peak
2	7236.000	48.82	6.52	55.34	74.00	-18.66	peak
3*	7236.000	45.06	6.52	51.58	54.00	-2.42	AVG

Standard:	Part 15.247 / RSS-Gen	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	53.01	-0.13	52.88	74.00	-21.12	peak
2*	4874.000	51.54	-0.13	51.41	54.00	-2.59	AVG
3	7311.000	47.98	6.23	54.21	74.00	-19.79	peak
4	7311.000	44.94	6.23	51.17	54.00	-2.83	AVG

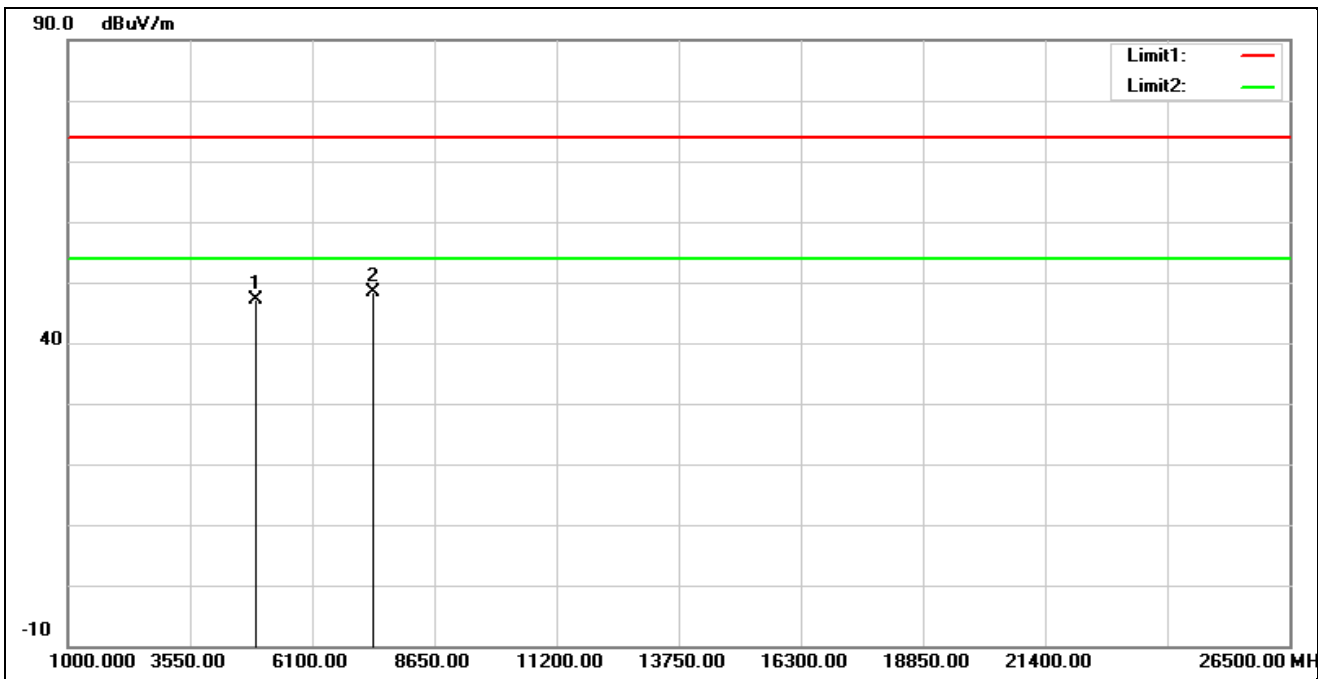
Standard:	Part 15.247 / RSS-Gen	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11b 2437 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	48.54	-0.13	48.41	74.00	-25.59	peak
2	7311.000	52.92	6.23	59.15	74.00	-14.85	peak
3*	7311.000	46.08	6.23	52.31	54.00	-1.69	AVG

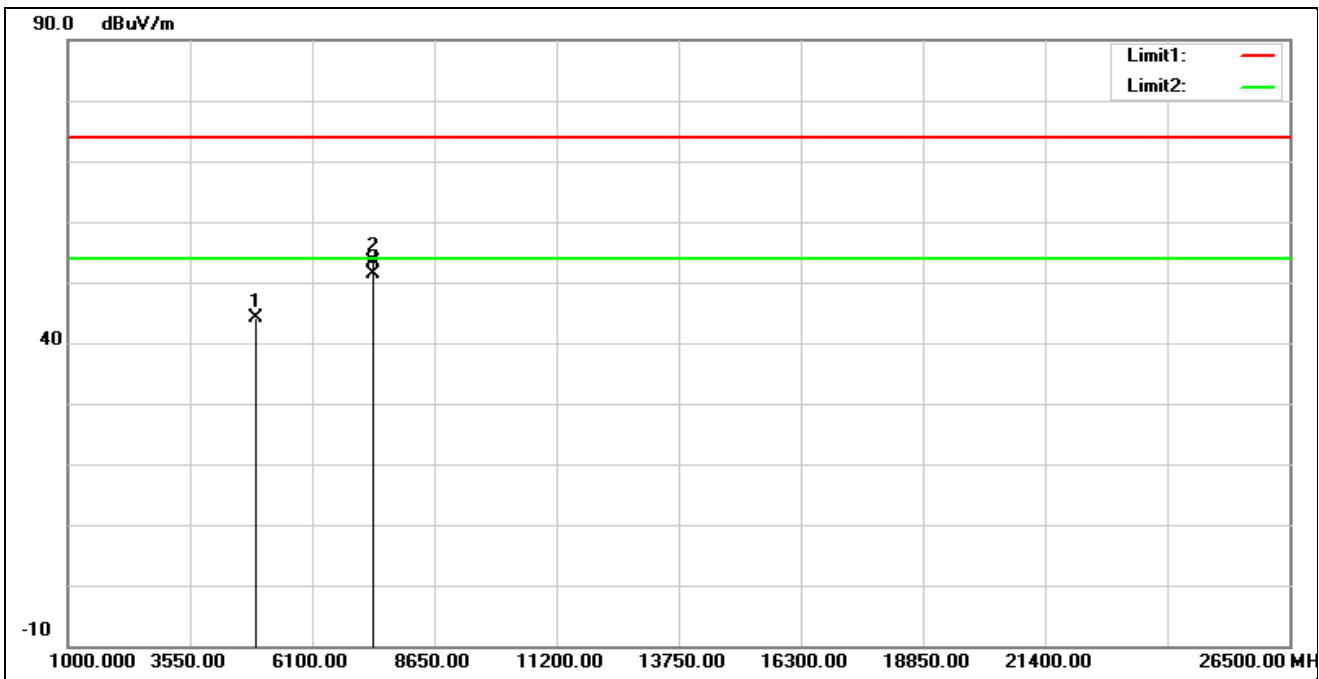


Standard:	Part 15.247 / RSS-Gen	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11b 2462 MHz		
Remark:			



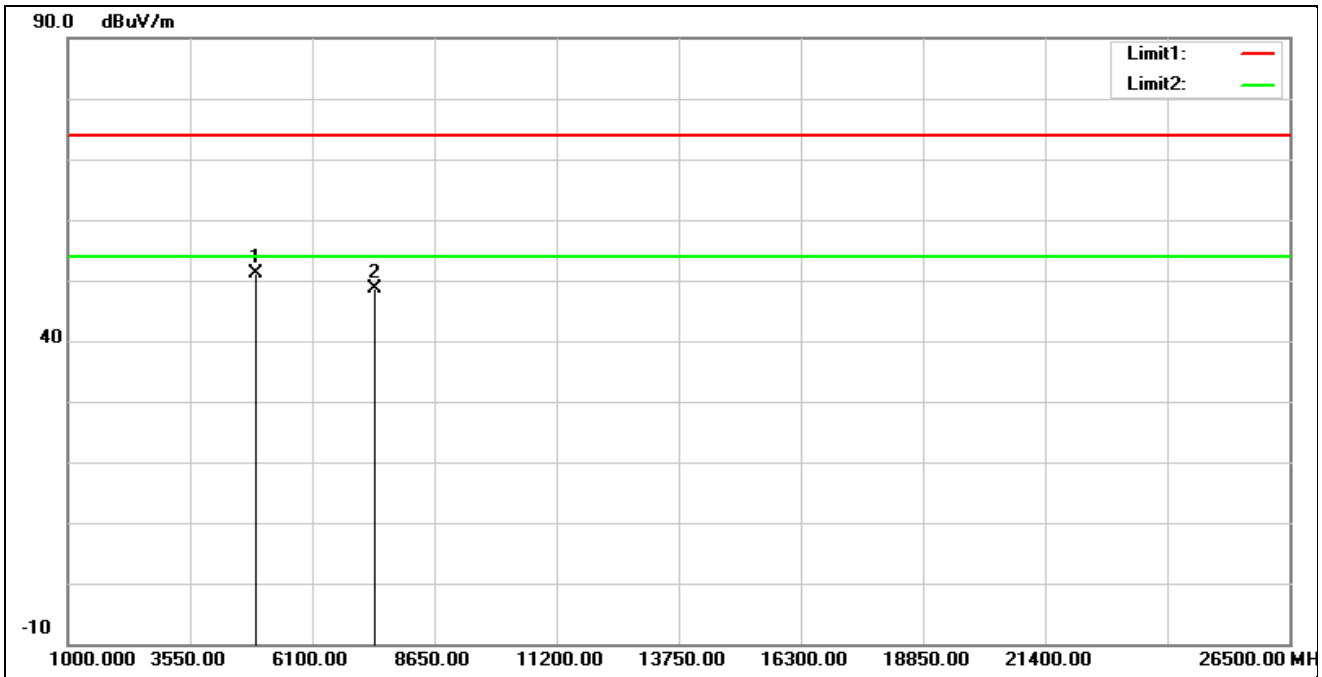
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	47.14	0.01	47.15	74.00	-26.85	peak
2*	7386.000	41.96	6.33	48.29	74.00	-25.71	peak

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



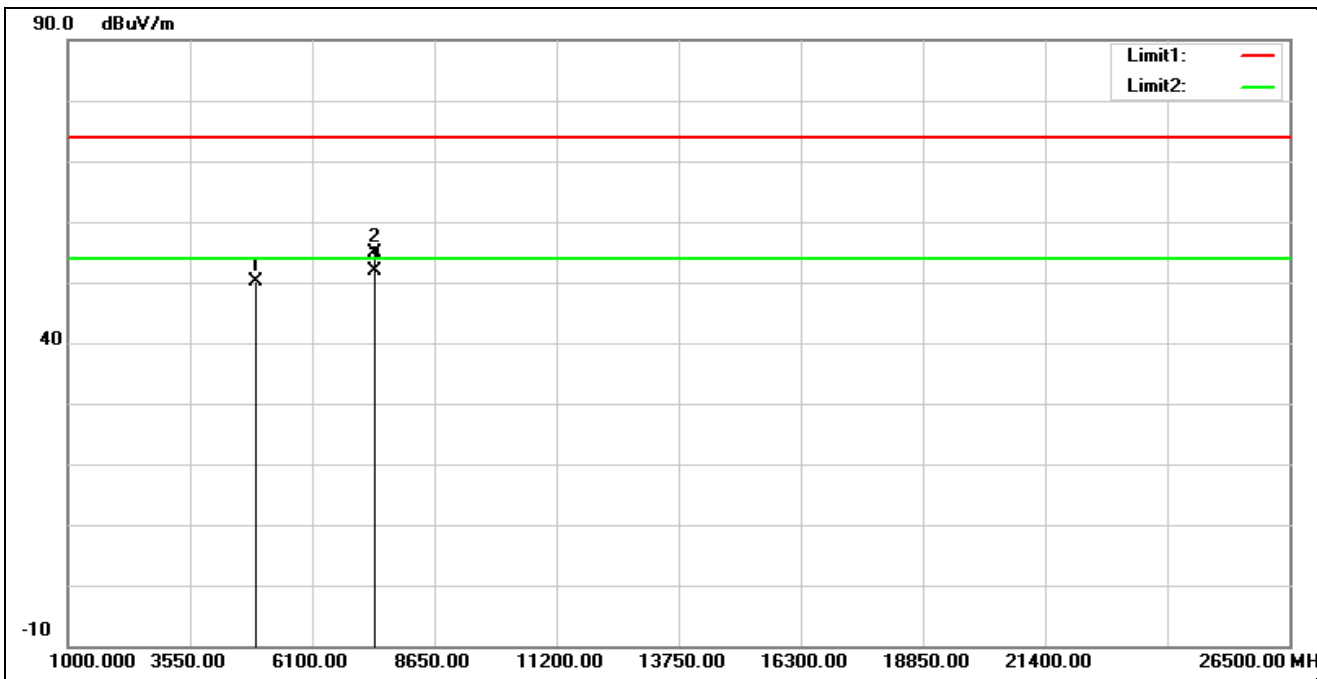
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	44.12	0.01	44.13	74.00	-29.87	peak
2	7386.000	47.16	6.33	53.49	74.00	-20.51	peak
3*	7386.000	45.01	6.33	51.34	54.00	-2.66	AVG

Standard:	Part 15.247 / RSS-Gen	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11b 2467 MHz		
Remark:			



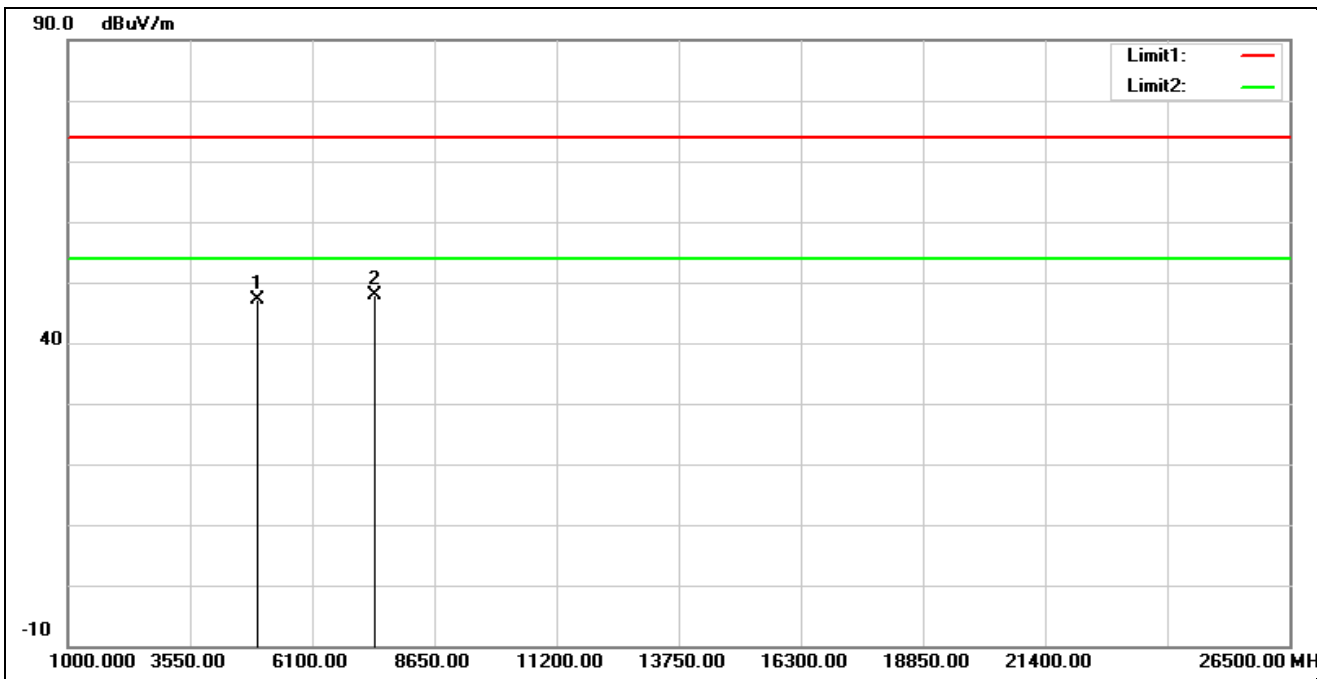
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	4934.000	51.15	0.07	51.22	74.00	-22.78	peak
2	7401.000	42.29	6.38	48.67	74.00	-25.33	peak

Standard:	Part 15.247 / RSS-Gen	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11b 2467 MHz		
Remark:			



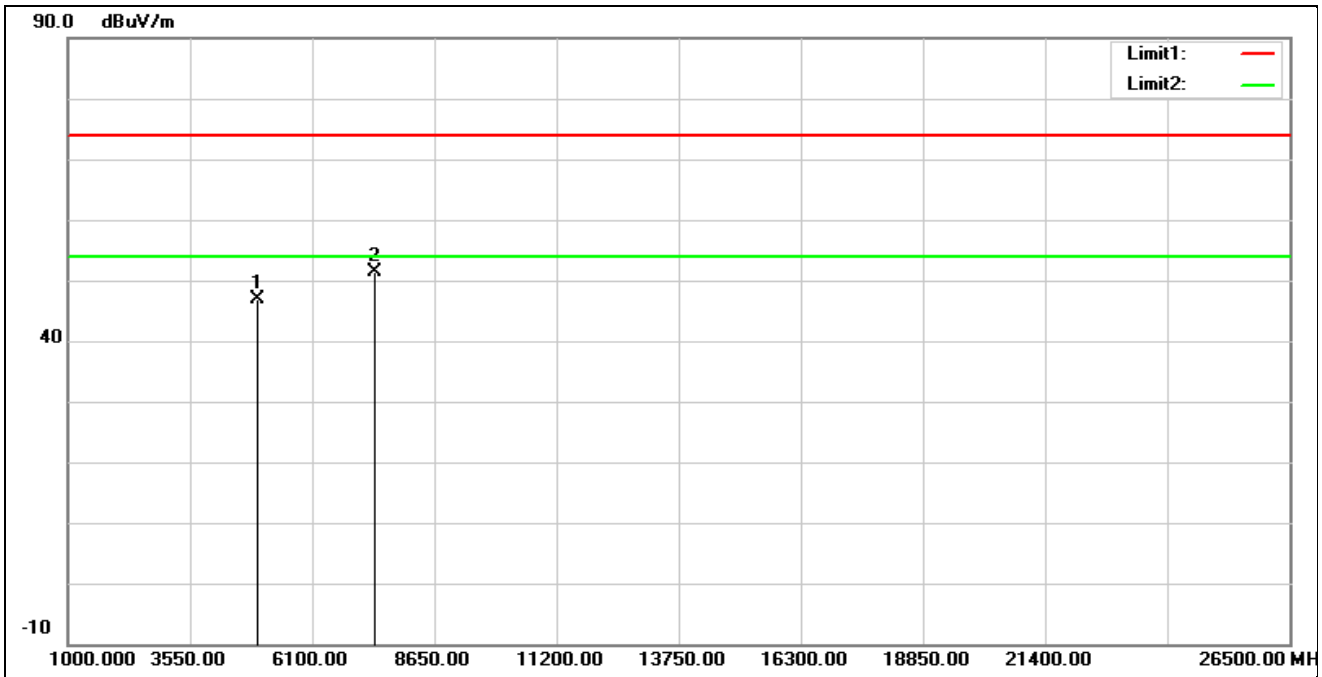
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4927.000	50.12	0.03	50.15	74.00	-23.85	peak
2	7401.000	48.58	6.38	54.96	74.00	-19.04	peak
3*	7401.000	45.39	6.38	51.77	54.00	-2.23	AVG

Standard:	Part 15.247 / RSS-Gen	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11b 2472 MHz		
Remark:			



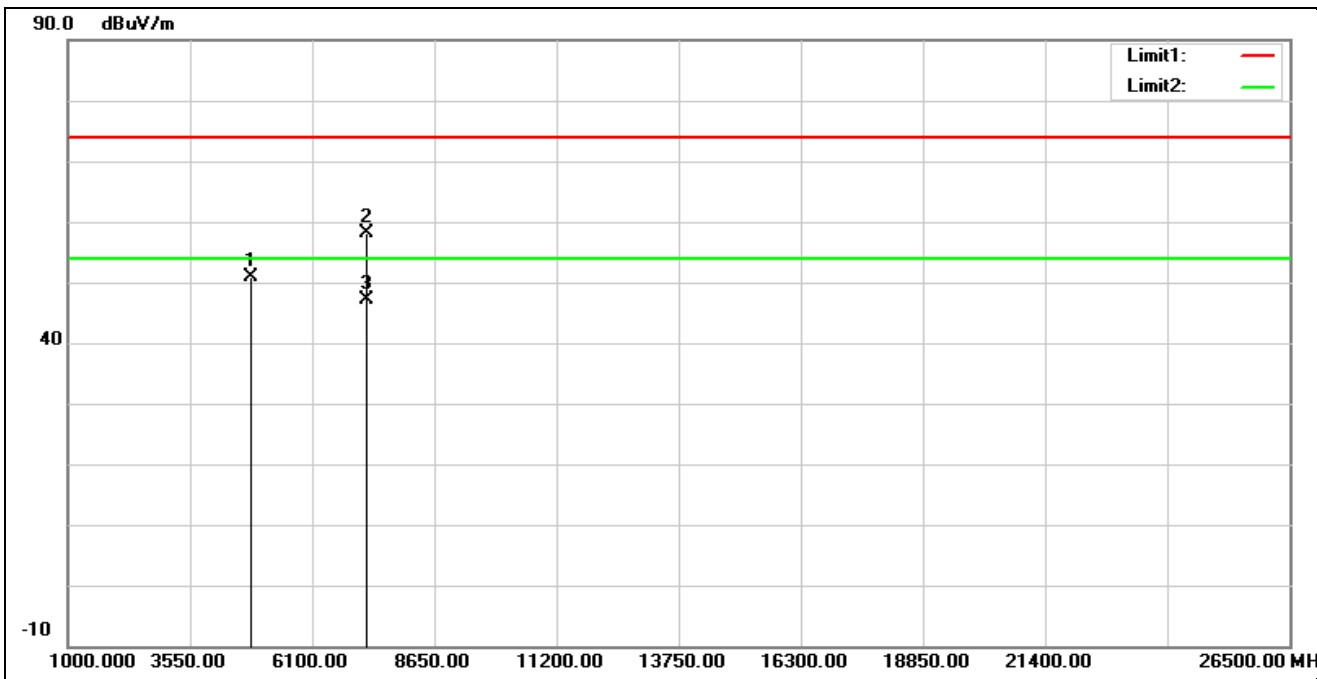
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4944.000	47.05	0.13	47.18	74.00	-26.82	peak
2*	7416.000	41.46	6.38	47.84	74.00	-26.16	peak

Standard:	Part 15.247 / RSS-Gen	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11b 2472 MHz		
Remark:			



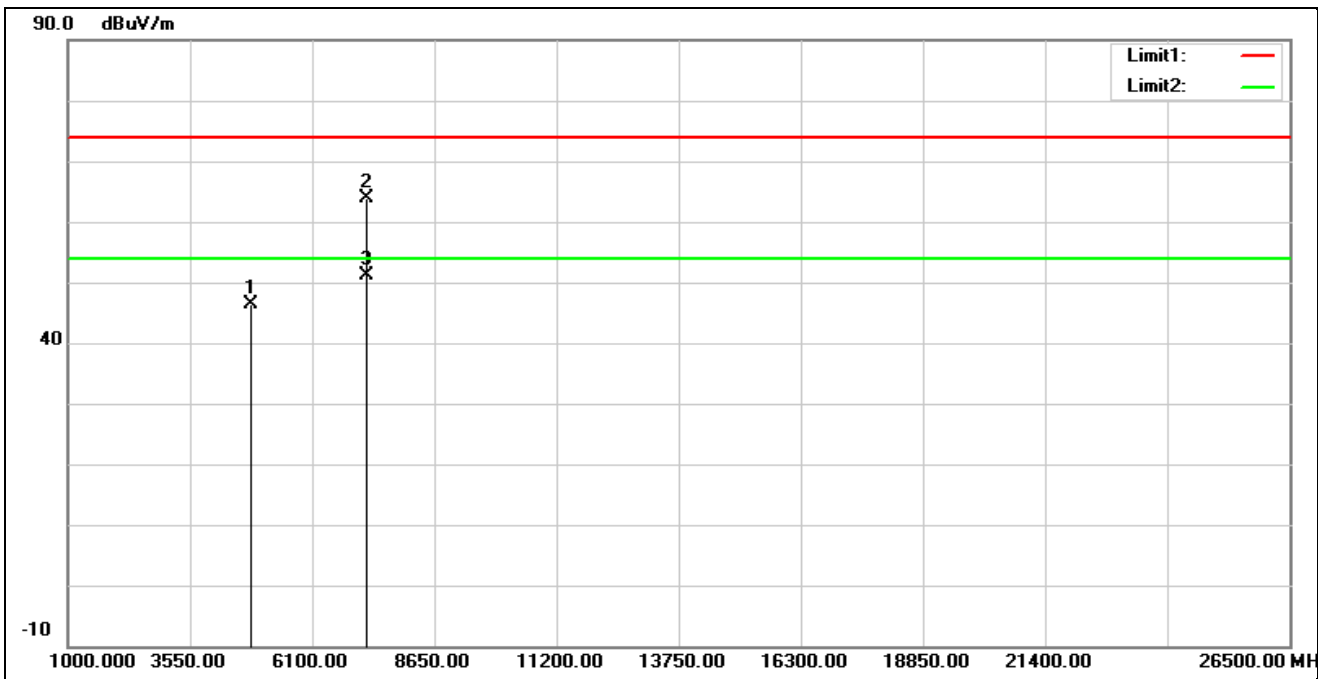
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4944.000	46.75	0.13	46.88	74.00	-27.12	peak
2*	7416.000	45.04	6.38	51.42	74.00	-22.58	peak

Standard:	Part 15.247 / RSS-Gen	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	51.16	-0.23	50.93	74.00	-23.07	peak
2	7236.000	51.67	6.52	58.19	74.00	-15.81	peak
3*	7236.000	40.54	6.52	47.06	54.00	-6.94	AVG

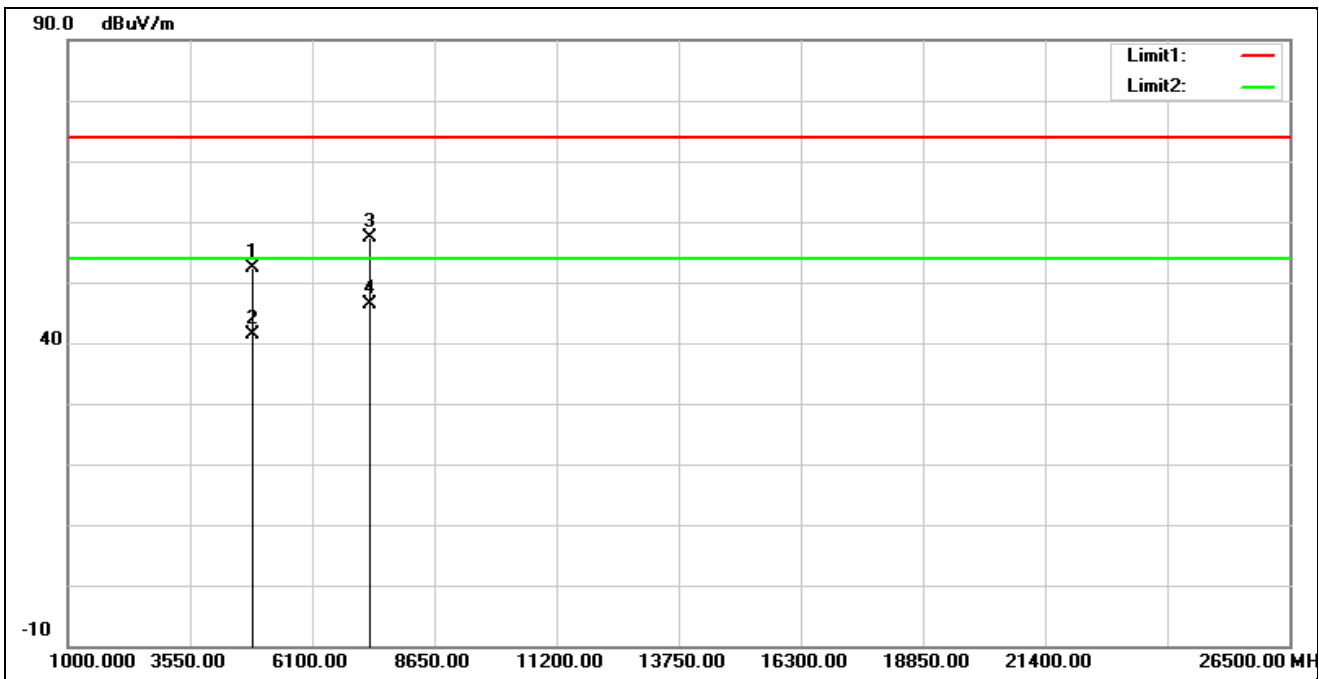
Standard:	Part 15.247 / RSS-Gen	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2412 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	46.70	-0.23	46.47	74.00	-27.53	peak
2	7236.000	57.44	6.52	63.96	74.00	-10.04	peak
3*	7236.000	44.68	6.52	51.20	54.00	-2.80	AVG

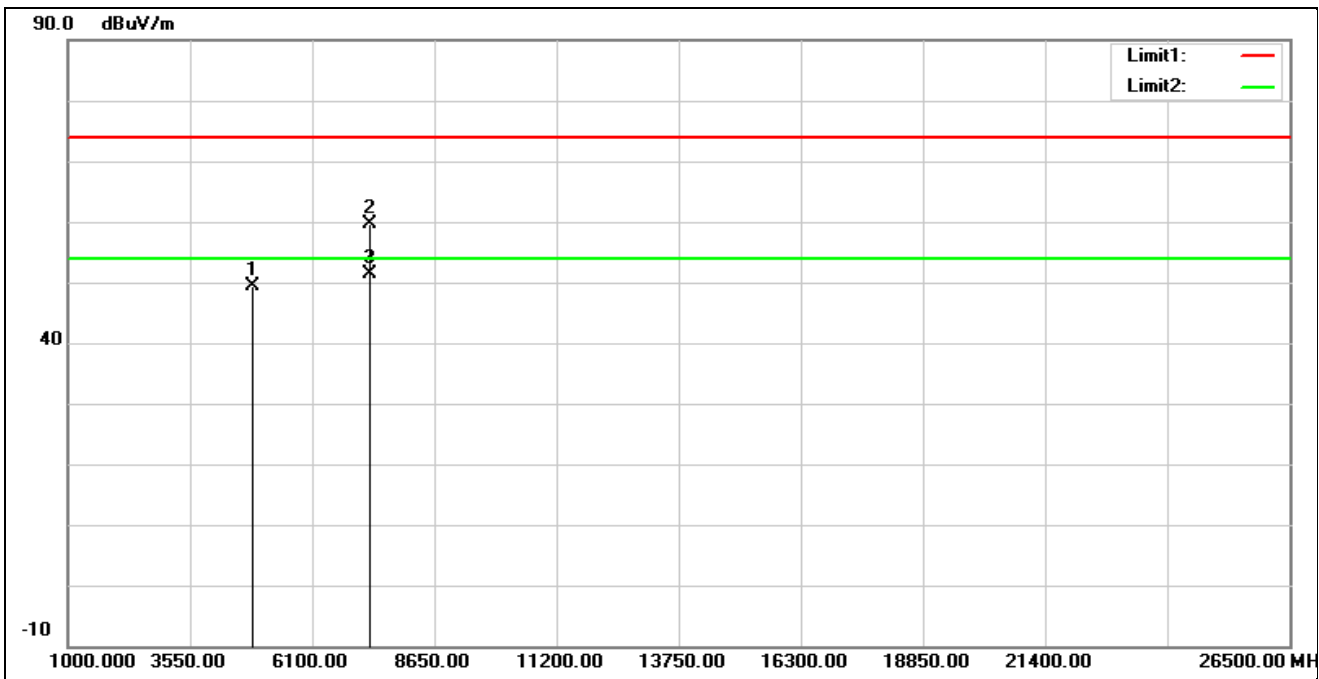


Standard:	Part 15.247 / RSS-Gen	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2437 MHz		
Remark:			



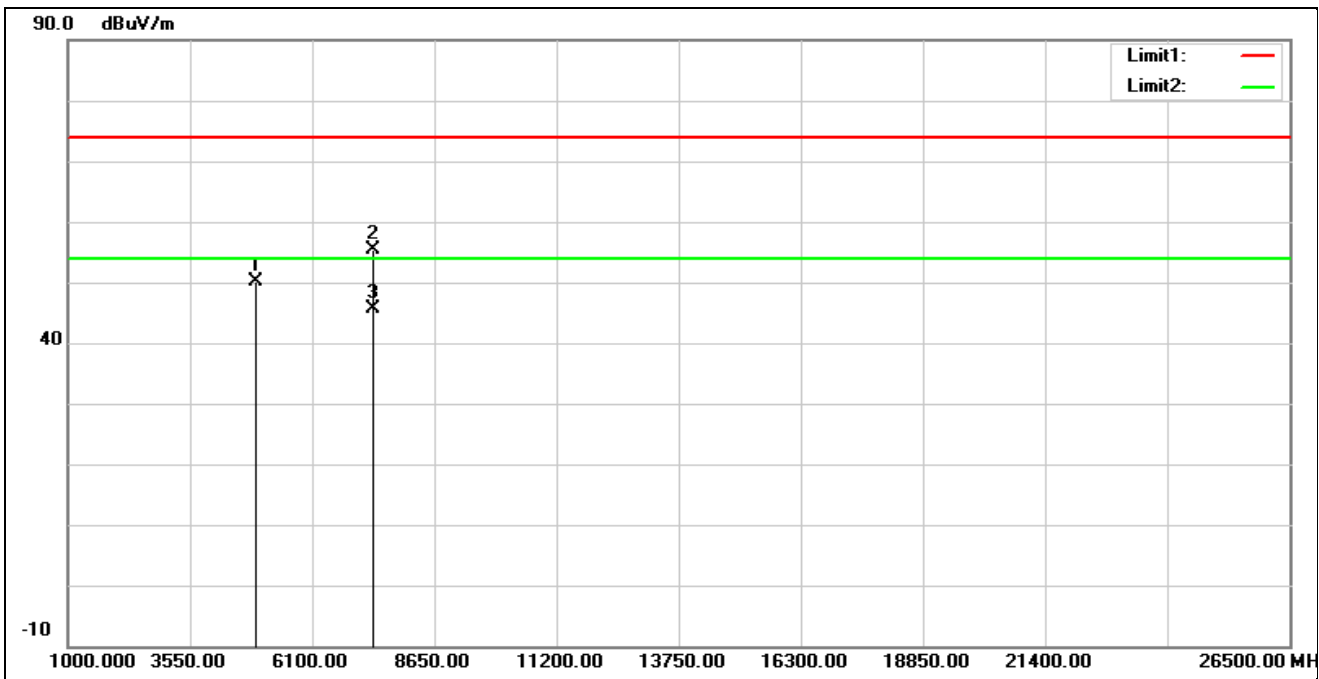
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	52.56	-0.13	52.43	74.00	-21.57	peak
2	4874.000	41.63	-0.13	41.50	54.00	-12.50	AVG
3	7311.000	51.20	6.23	57.43	74.00	-16.57	peak
4*	7311.000	40.14	6.23	46.37	54.00	-7.63	AVG

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



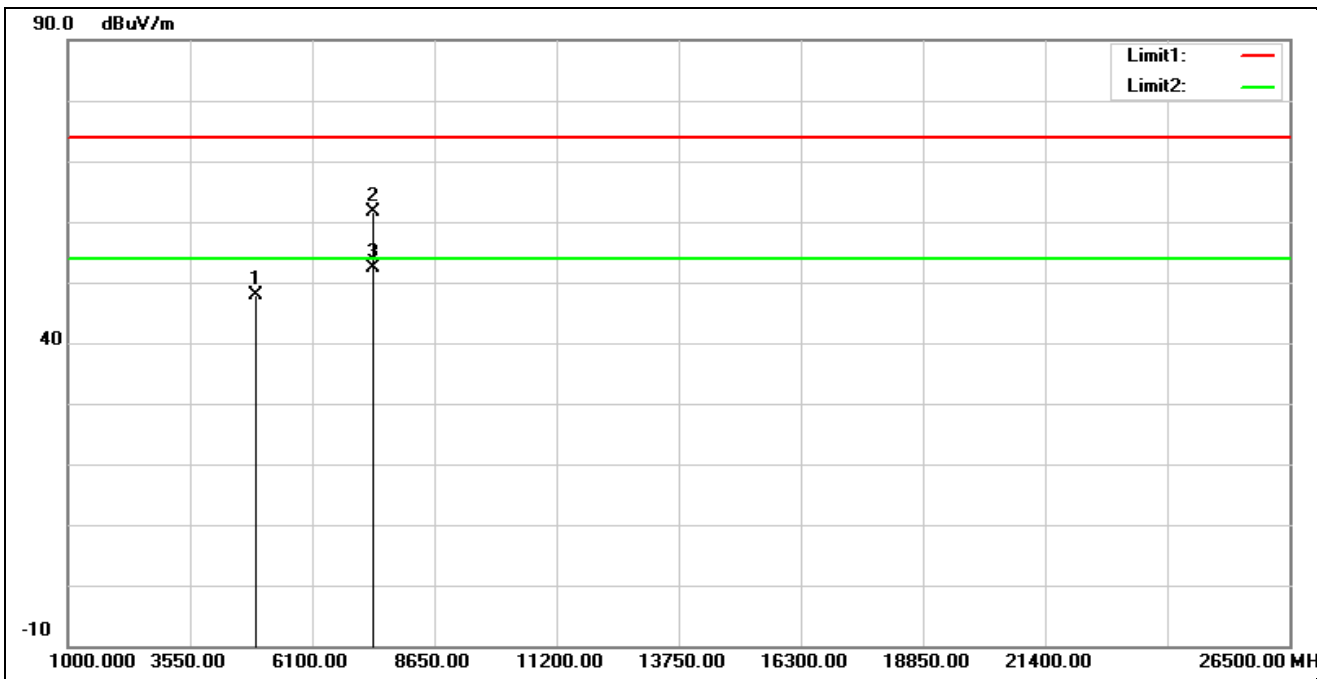
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	49.40	-0.13	49.27	74.00	-24.73	peak
2	7311.000	53.46	6.23	59.69	74.00	-14.31	peak
3*	7311.000	45.06	6.23	51.29	54.00	-2.71	AVG

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



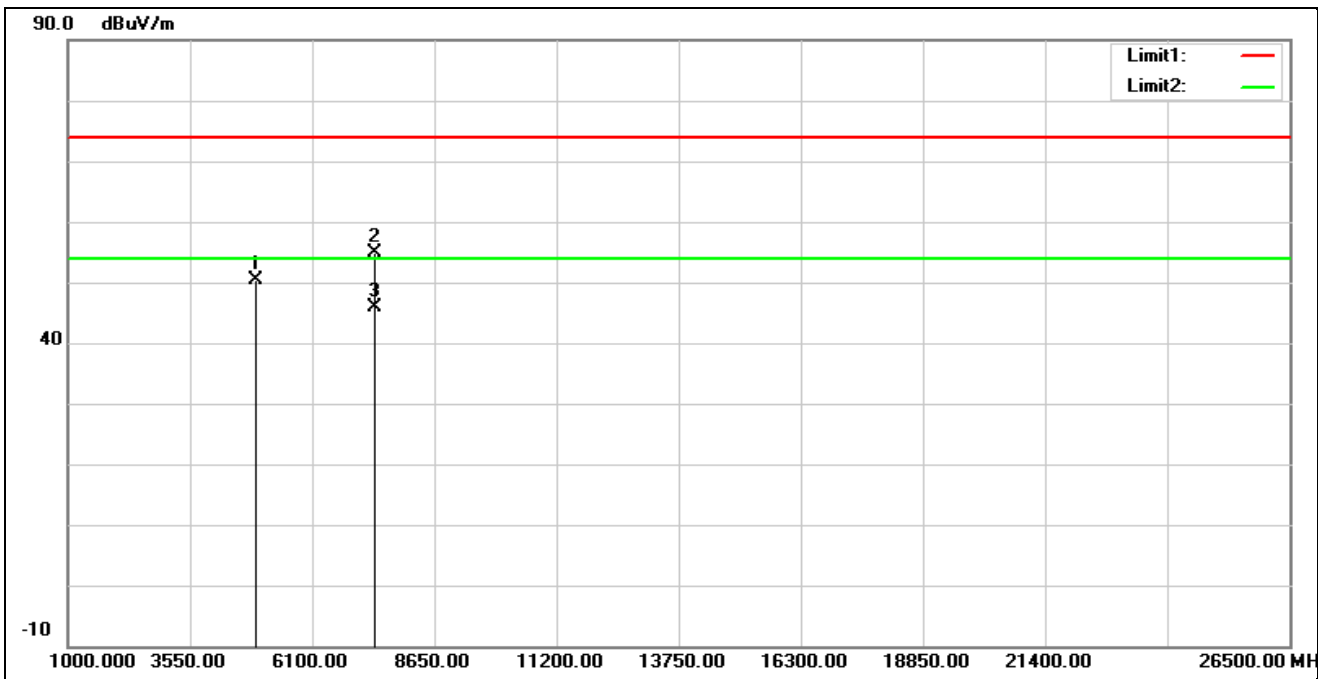
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	50.15	0.01	50.16	74.00	-23.84	peak
2	7386.000	49.00	6.33	55.33	74.00	-18.67	peak
3*	7386.000	39.39	6.33	45.72	54.00	-8.28	AVG

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



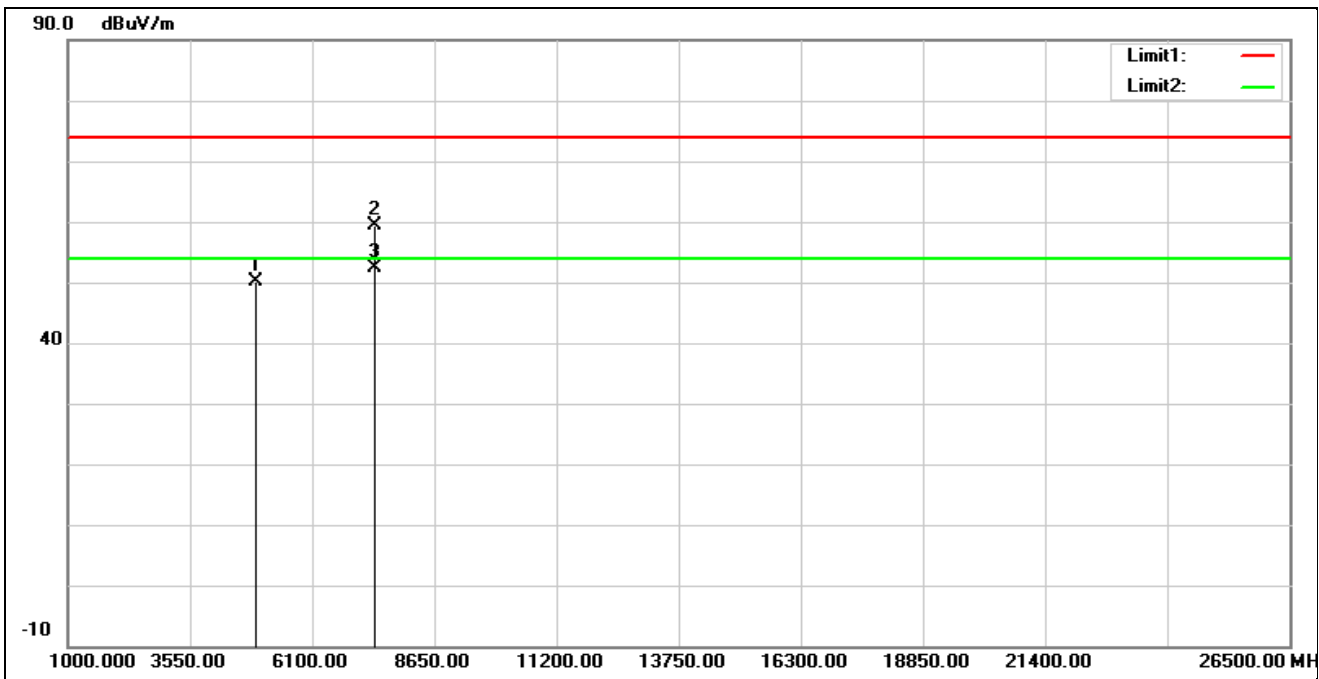
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	47.93	0.01	47.94	74.00	-26.06	peak
2	7386.000	55.21	6.33	61.54	74.00	-12.46	peak
3*	7386.000	46.15	6.33	52.48	54.00	-1.52	AVG

Standard:	Part 15.247 / RSS-Gen	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2467 MHz		
Remark:			



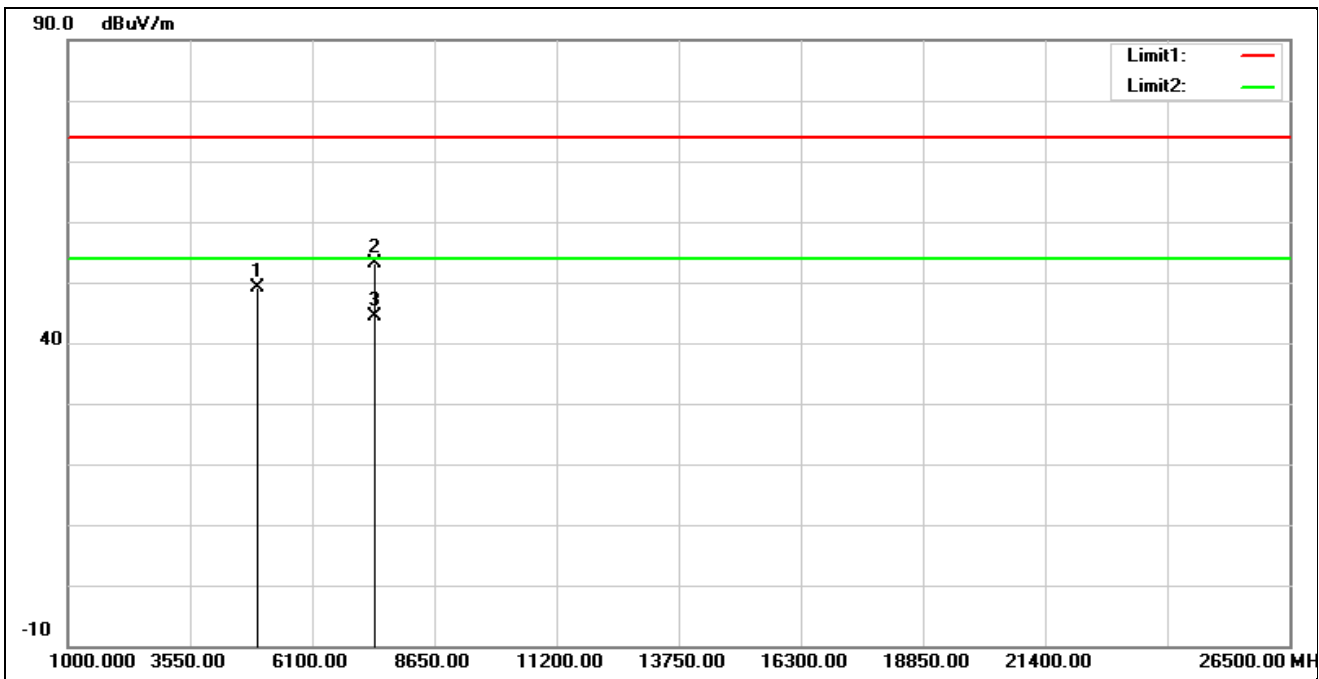
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4934.000	50.24	0.07	50.31	74.00	-23.69	peak
2	7401.000	48.57	6.38	54.95	74.00	-19.05	peak
3*	7401.000	39.49	6.38	45.87	54.00	-8.13	AVG

Standard:	Part 15.247 / RSS-Gen	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2467 MHz		
Remark:			



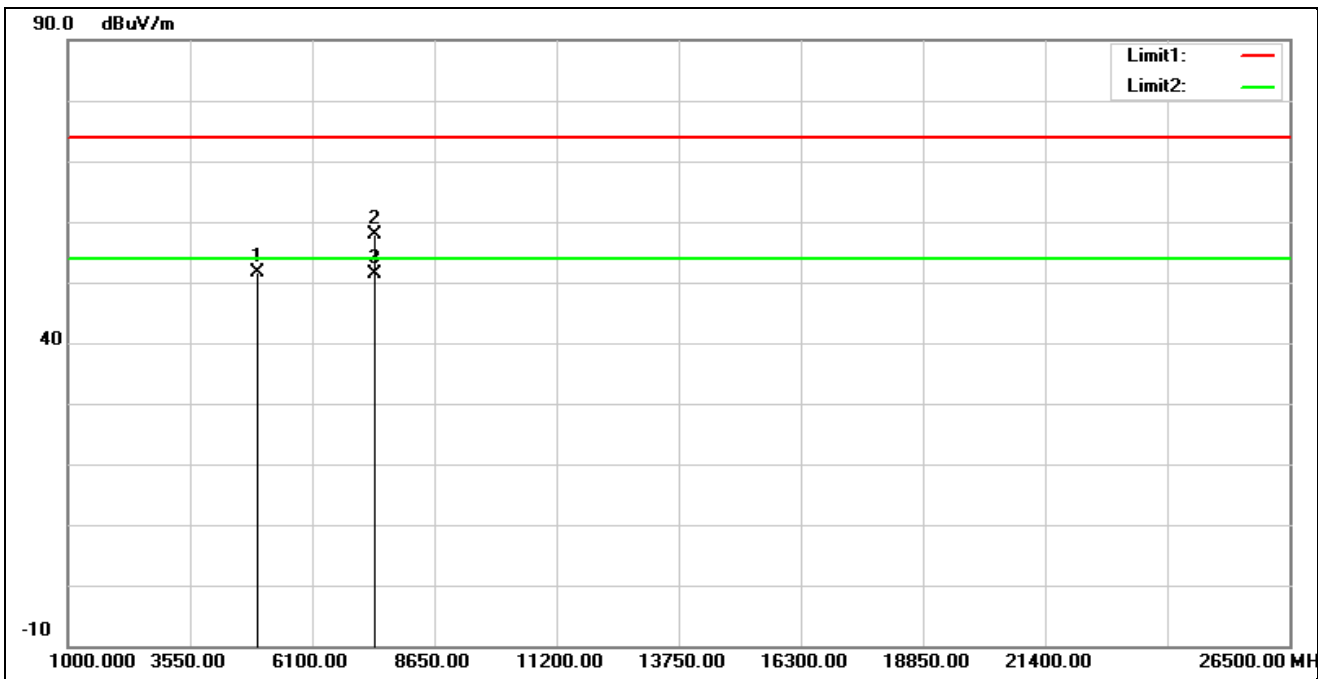
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4934.000	50.13	0.07	50.20	74.00	-23.80	peak
2	7401.000	53.10	6.38	59.48	74.00	-14.52	peak
3*	7401.000	45.99	6.38	52.37	54.00	-1.63	AVG

Standard:	Part 15.247 / RSS-Gen	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2472 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4944.000	49.01	0.13	49.14	74.00	-24.86	peak
2	7416.000	46.85	6.38	53.23	74.00	-20.77	peak
3*	7416.000	38.02	6.38	44.40	54.00	-9.60	AVG

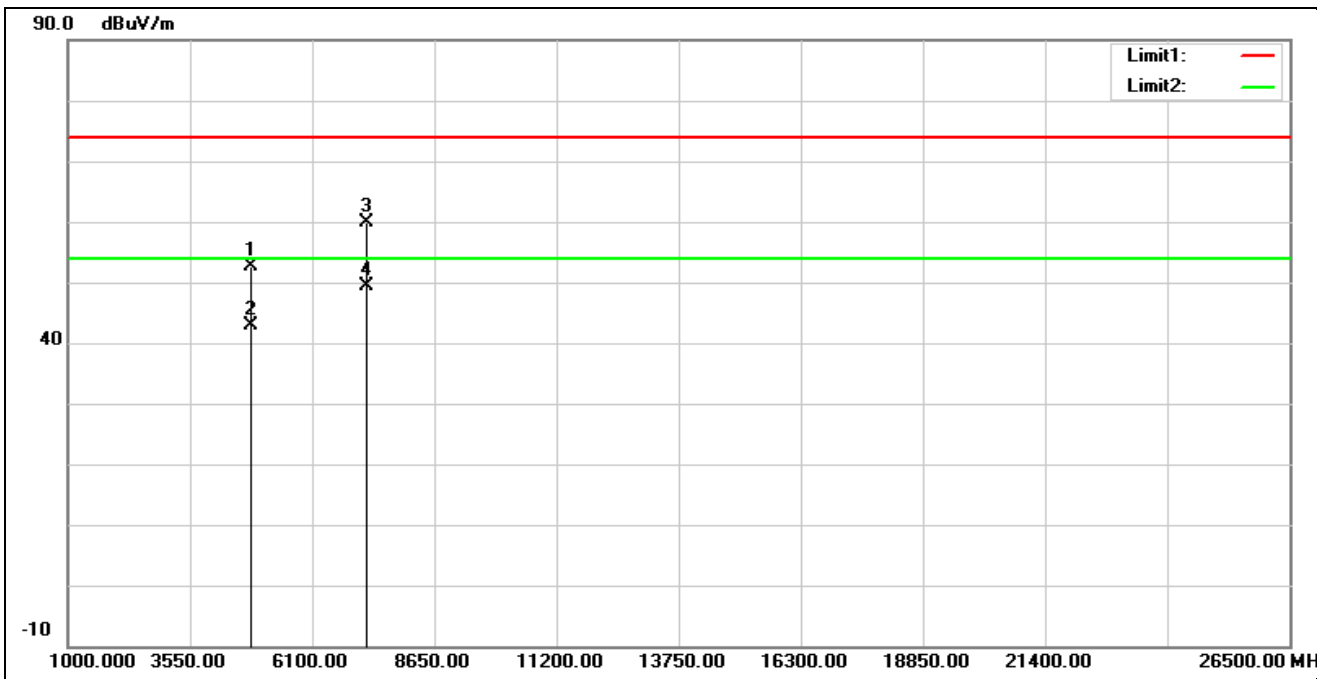
Standard:	Part 15.247 / RSS-Gen	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2472 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4944.000	51.46	0.13	51.59	74.00	-22.41	peak
2	7416.000	51.43	6.38	57.81	74.00	-16.19	peak
3*	7416.000	44.90	6.38	51.28	54.00	-2.72	AVG

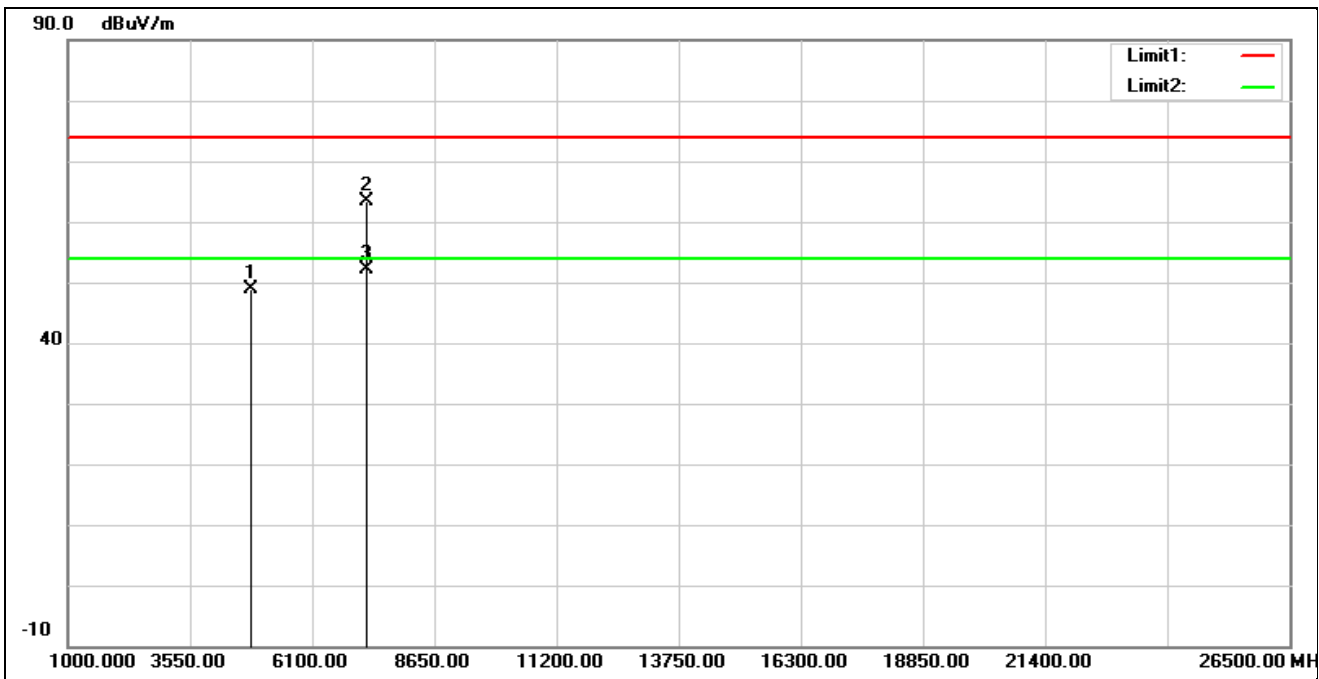


Standard:	Part 15.247 / RSS-Gen	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2412 MHz		
Remark:			



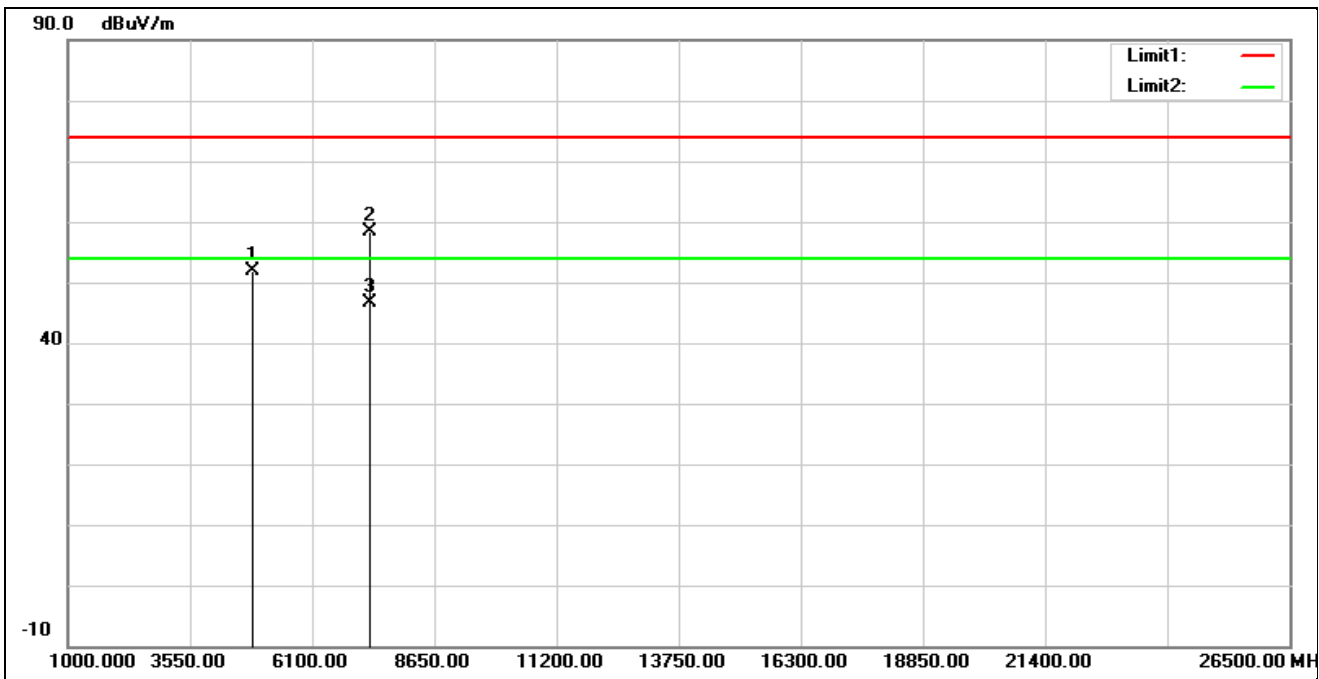
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	52.75	-0.23	52.52	74.00	-21.48	peak
2	4824.000	43.13	-0.23	42.90	54.00	-11.10	AVG
3	7236.000	53.34	6.52	59.86	74.00	-14.14	peak
4*	7236.000	42.95	6.52	49.47	54.00	-4.53	AVG

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



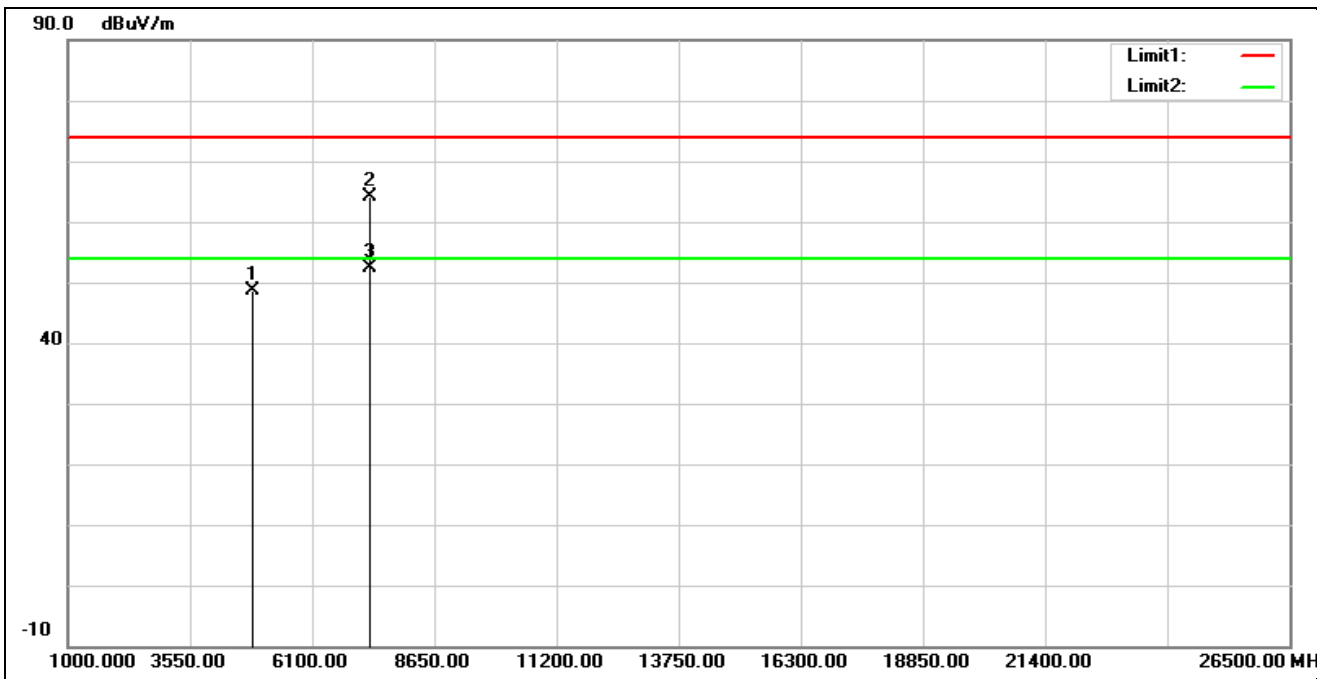
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	49.23	-0.23	49.00	74.00	-25.00	peak
2	7236.000	56.93	6.52	63.45	74.00	-10.55	peak
3*	7236.000	45.50	6.52	52.02	54.00	-1.98	AVG

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



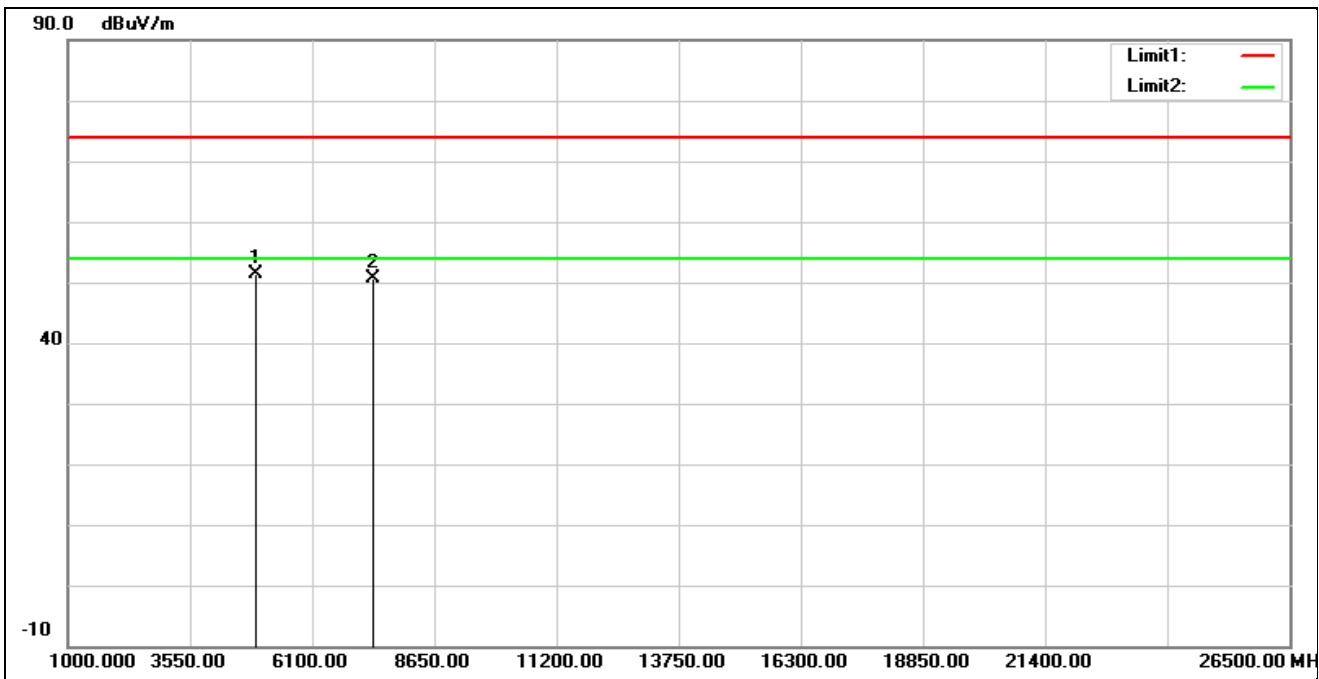
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	51.94	-0.13	51.81	74.00	-22.19	peak
2	7311.000	52.20	6.23	58.43	74.00	-15.57	peak
3*	7311.000	40.29	6.23	46.52	54.00	-7.48	AVG

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



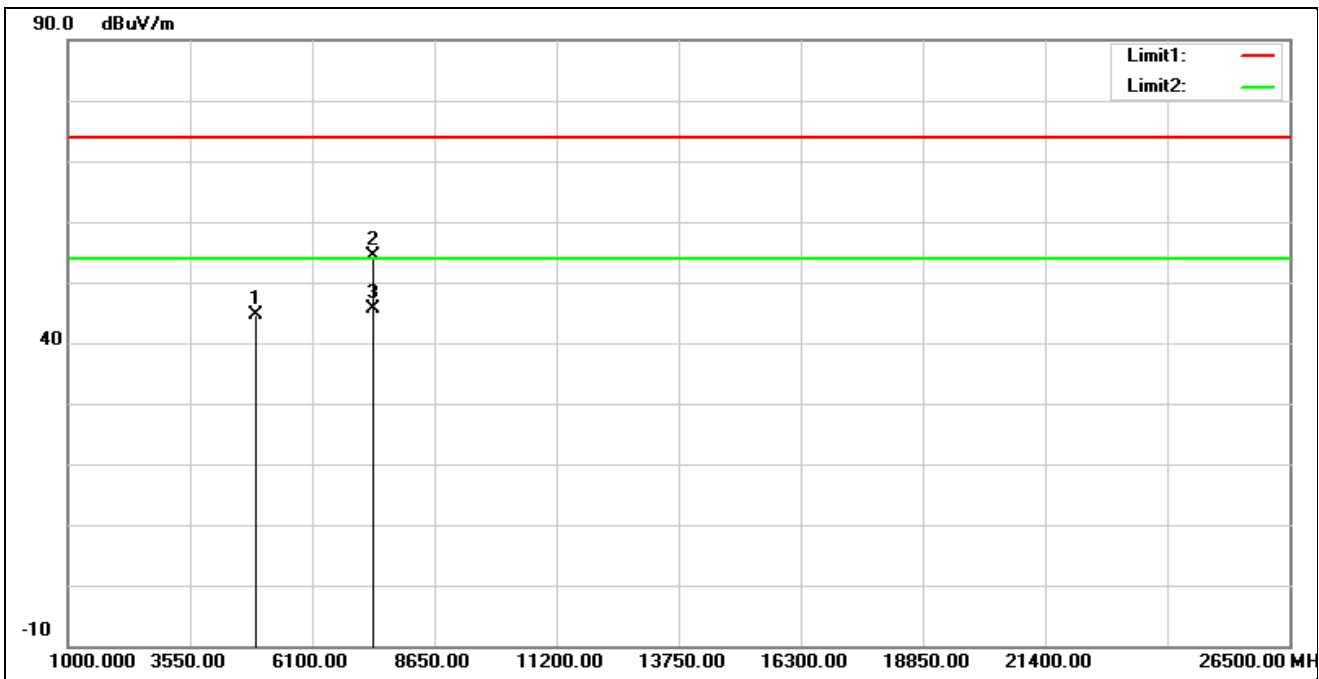
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	48.75	-0.13	48.62	74.00	-25.38	peak
2	7311.000	57.81	6.23	64.04	74.00	-9.96	peak
3*	7311.000	46.04	6.23	52.27	54.00	-1.73	AVG

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



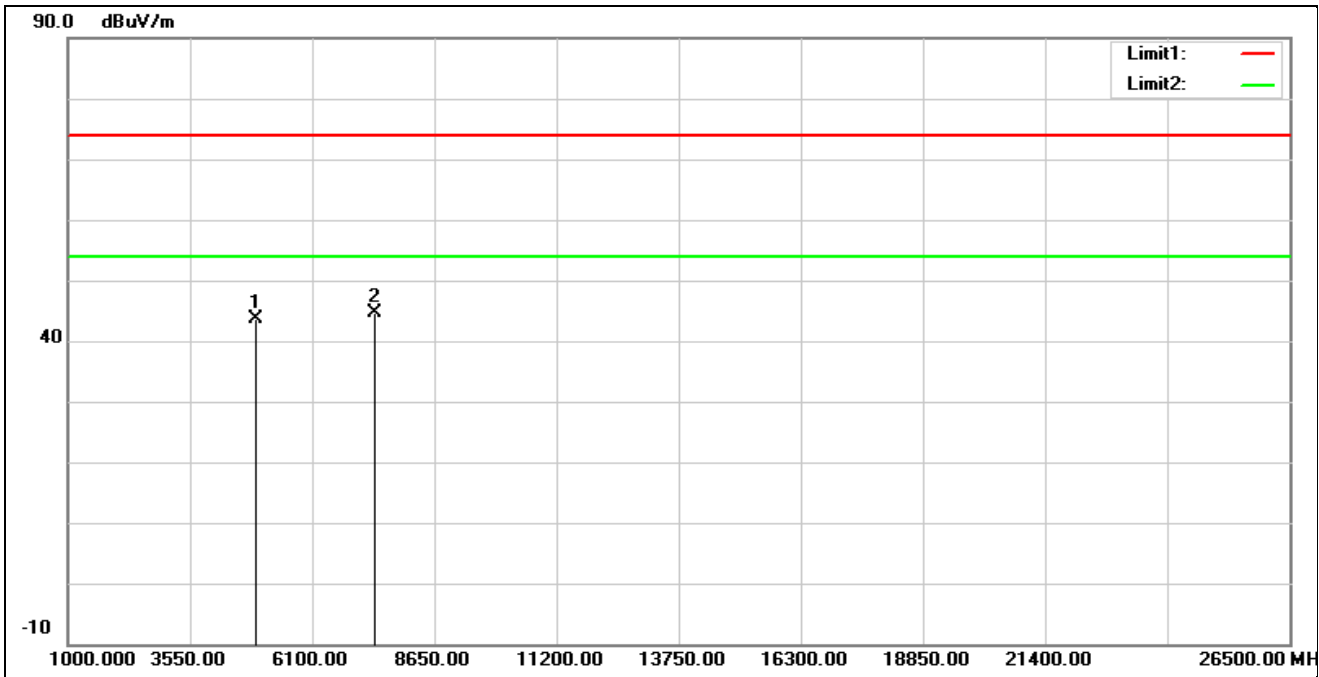
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	4924.000	51.33	0.01	51.34	74.00	-22.66	peak
2	7386.000	44.22	6.33	50.55	74.00	-23.45	peak

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



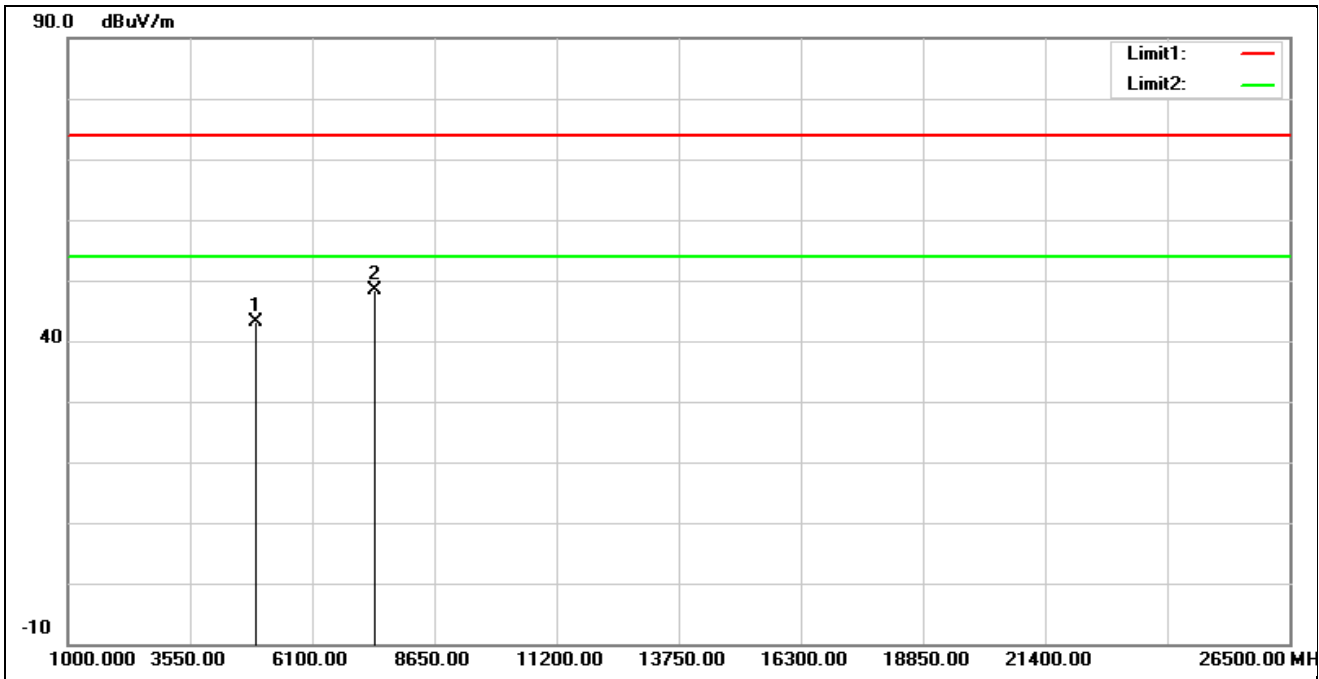
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	44.59	0.01	44.60	74.00	-29.40	peak
2	7386.000	48.11	6.33	54.44	74.00	-19.56	peak
3*	7386.000	39.37	6.33	45.70	54.00	-8.30	AVG

Standard:	Part 15.247 / RSS-Gen	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2467 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4934.000	43.56	0.07	43.63	74.00	-30.37	peak
2*	7401.000	38.35	6.38	44.73	74.00	-29.27	peak

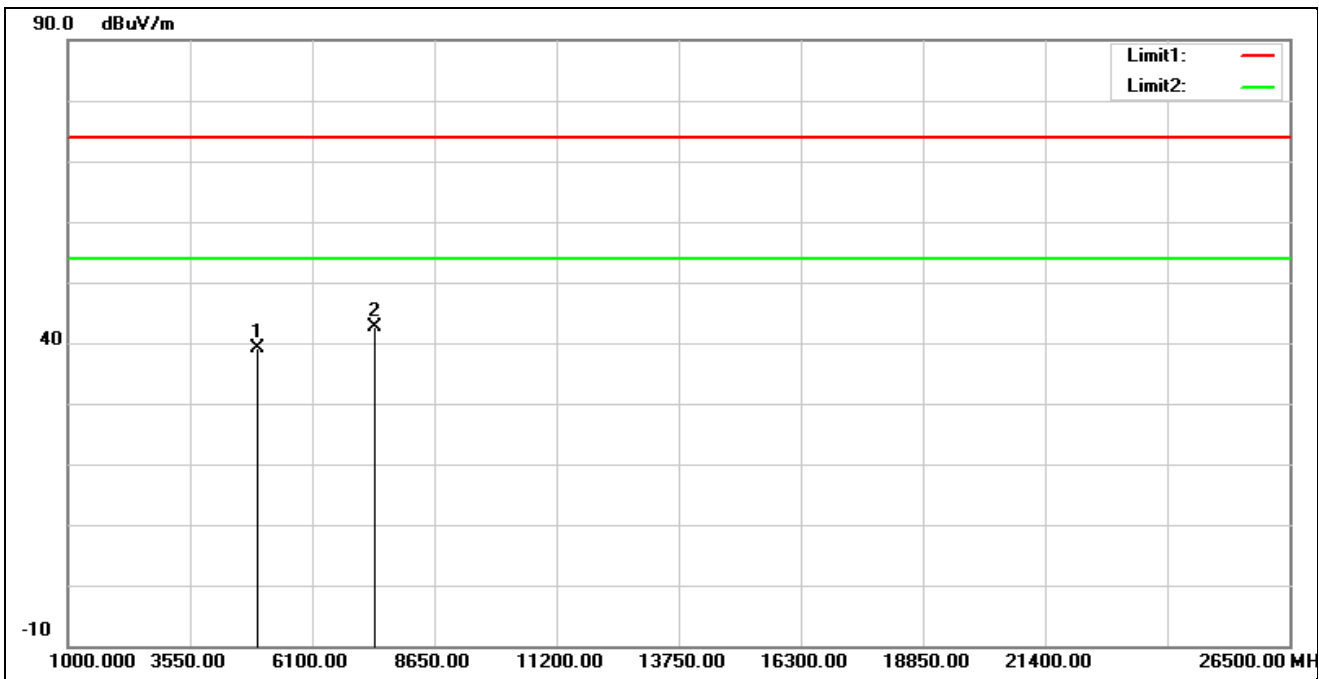
Standard:	Part 15.247 / RSS-Gen	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2467 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4934.000	42.94	0.07	43.01	74.00	-30.99	peak
2*	7401.000	42.06	6.38	48.44	74.00	-25.56	peak

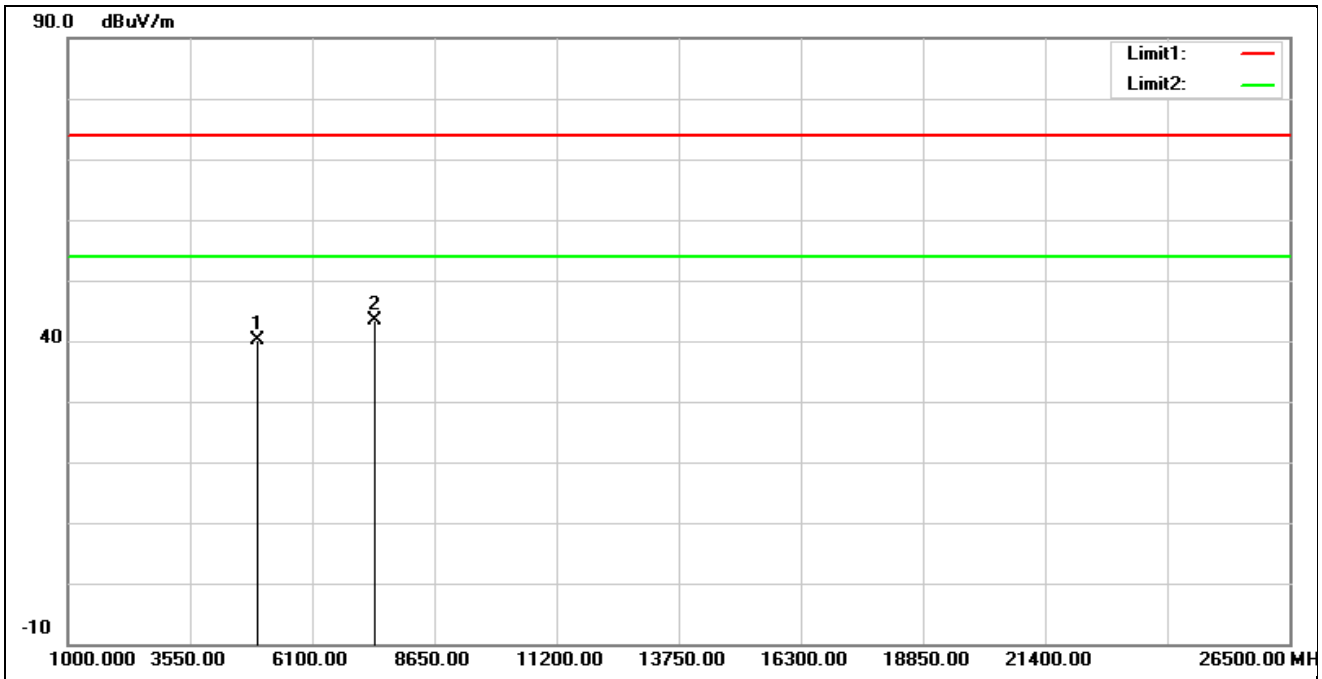


Standard:	Part 15.247 / RSS-Gen	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2472 MHz		
Remark:			



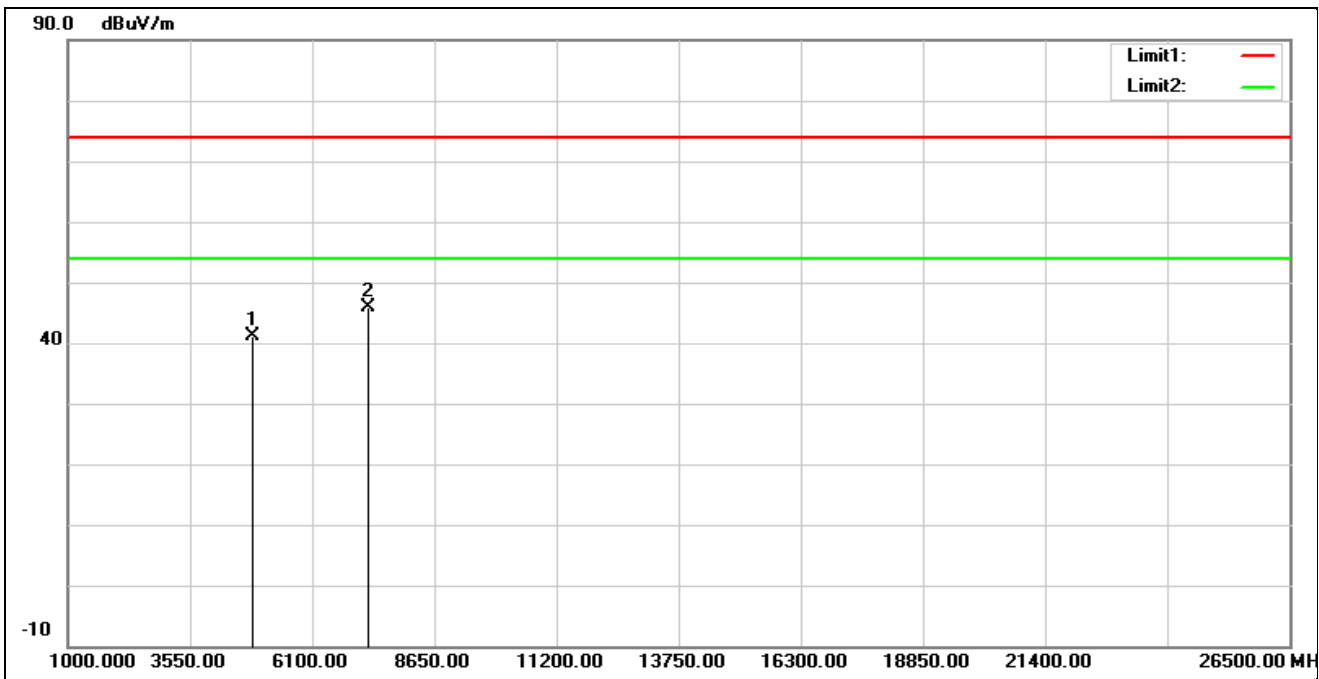
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4944.000	39.12	0.13	39.25	74.00	-34.75	peak
2*	7416.000	36.35	6.38	42.73	74.00	-31.27	peak

Standard:	Part 15.247 / RSS-Gen	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2472 MHz		
Remark:			



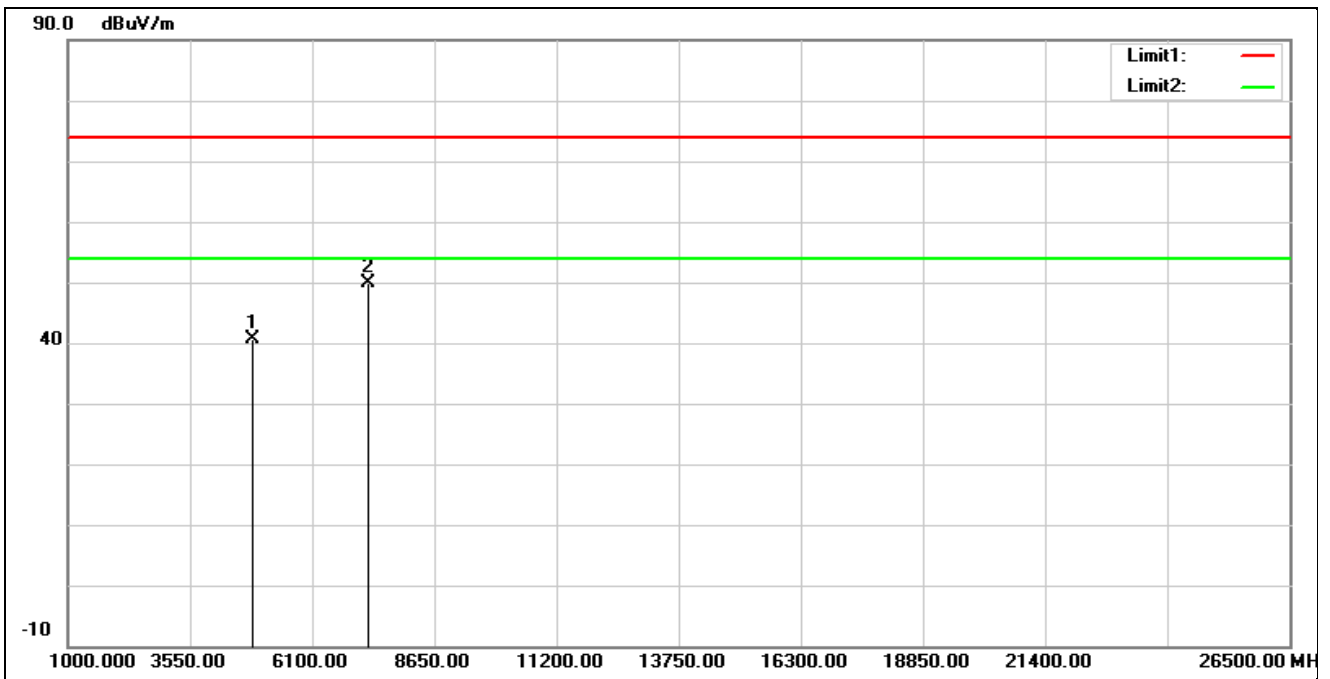
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4944.000	39.88	0.13	40.01	74.00	-33.99	peak
2*	7416.000	37.07	6.38	43.45	74.00	-30.55	peak

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



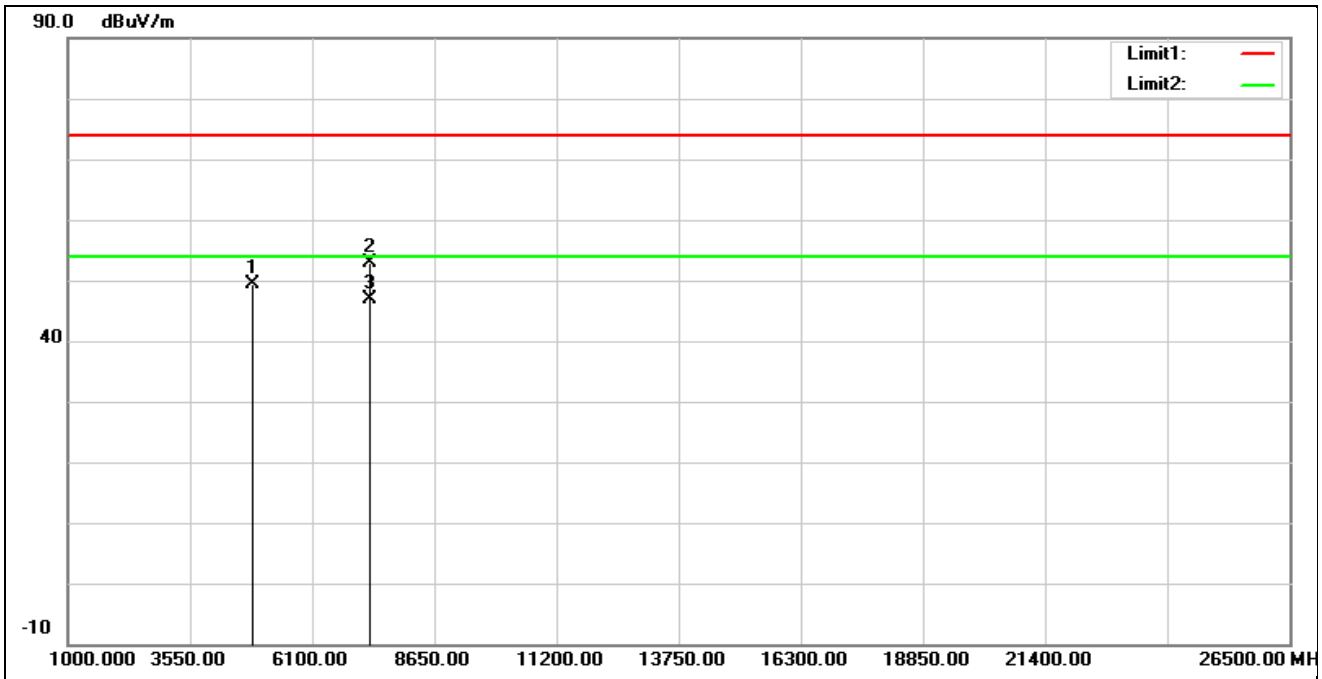
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4844.000	41.29	-0.15	41.14	74.00	-32.86	peak
2*	7266.000	39.36	6.45	45.81	74.00	-28.19	peak

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



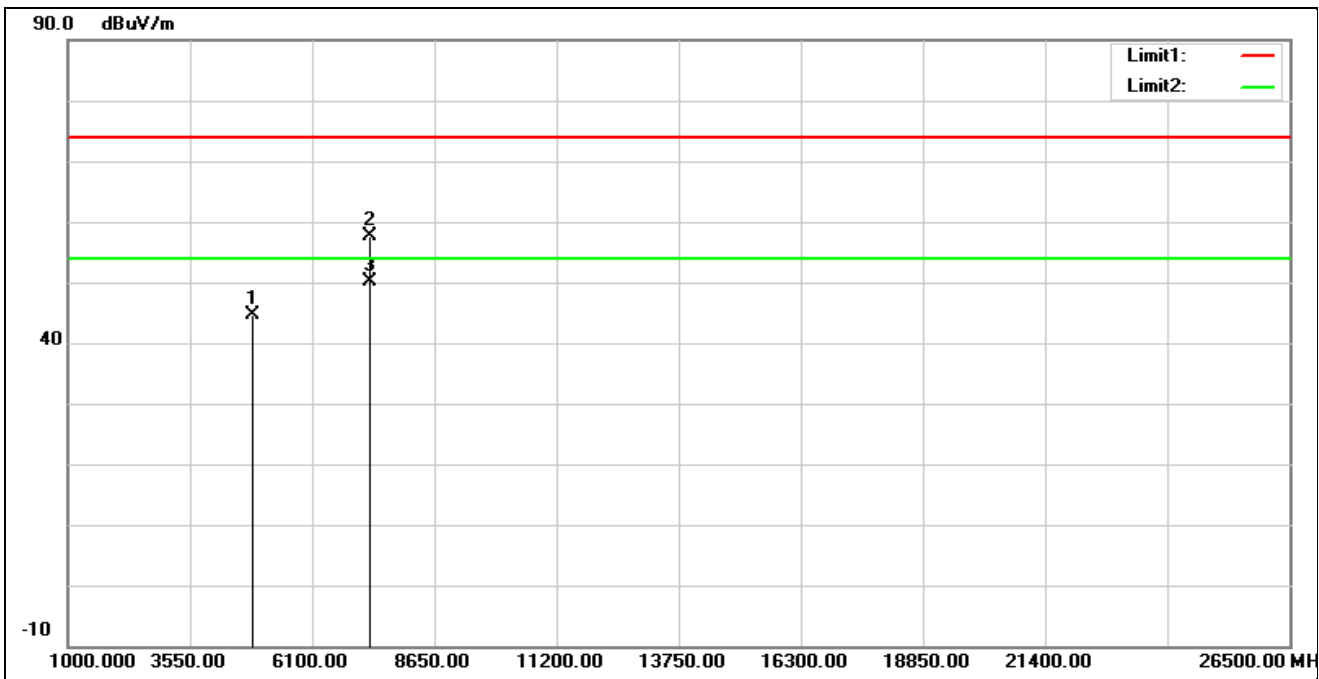
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4844.000	40.75	-0.15	40.60	74.00	-33.40	peak
2*	7266.000	43.31	6.45	49.76	74.00	-24.24	peak

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



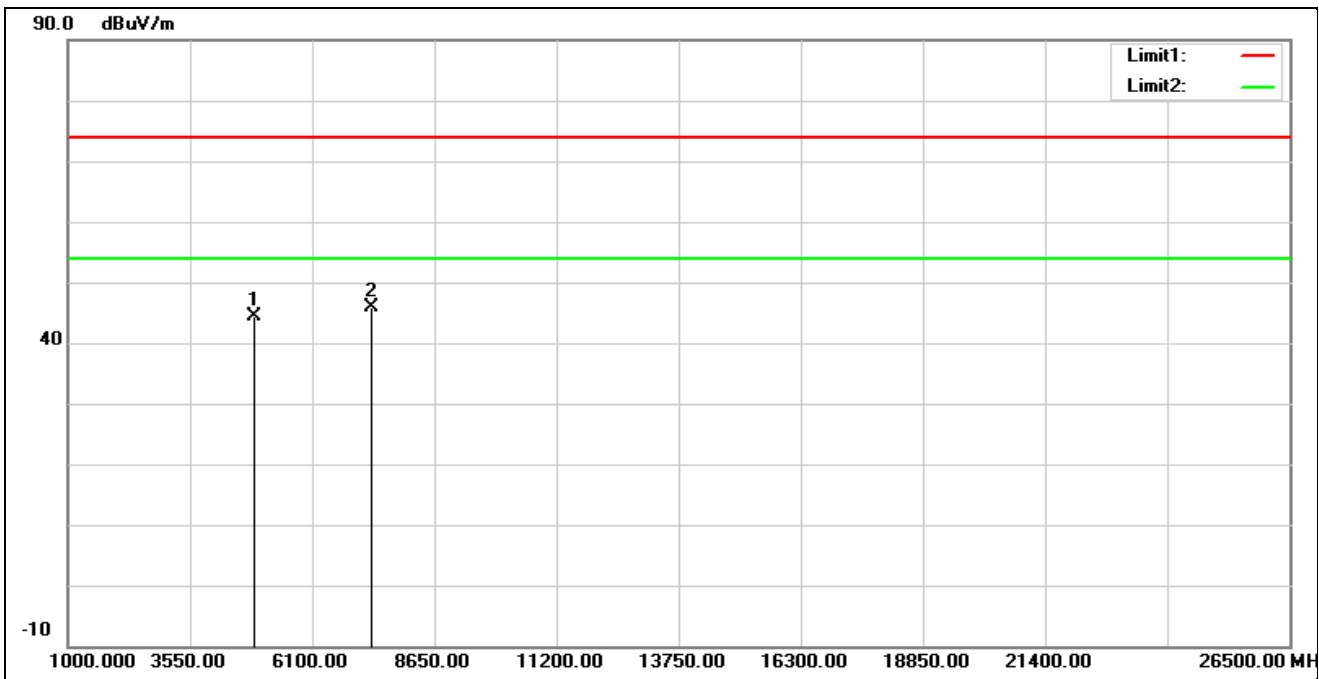
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	49.61	-0.13	49.48	74.00	-24.52	peak
2	7311.000	46.70	6.23	52.93	74.00	-21.07	peak
3*	7311.000	40.57	6.23	46.80	54.00	-7.20	AVG

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



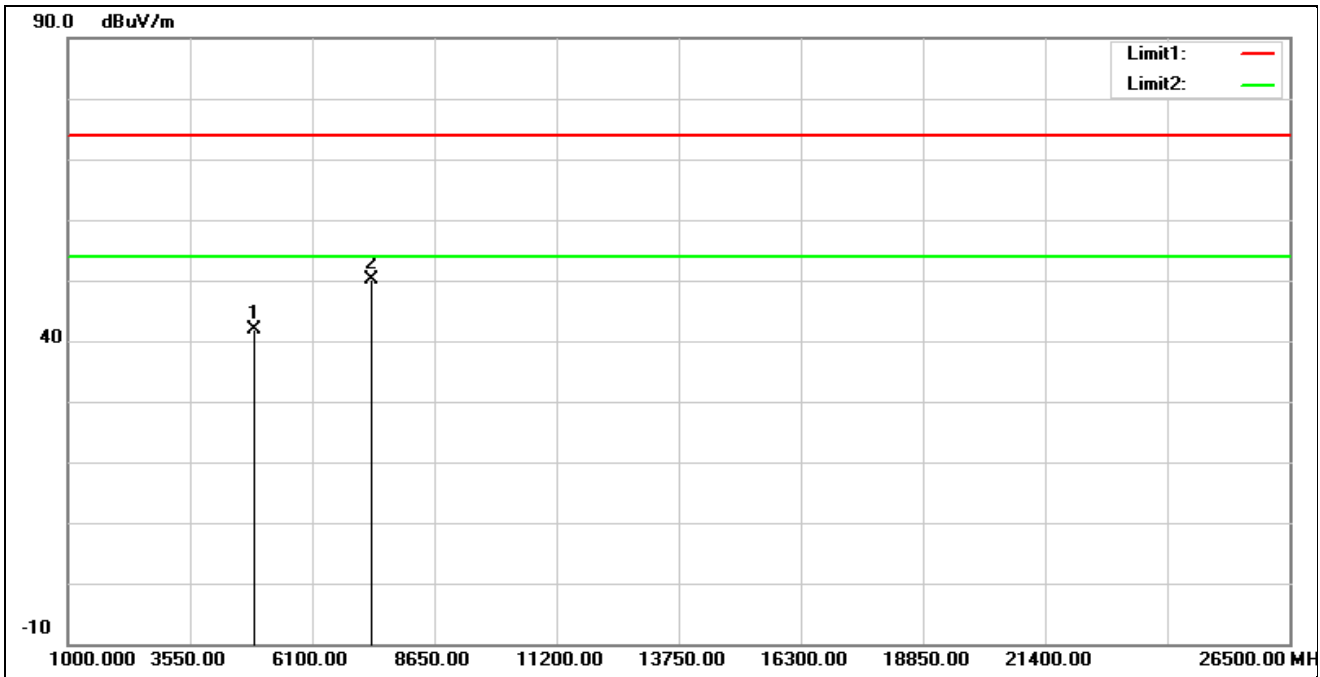
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	44.87	-0.13	44.74	74.00	-29.26	peak
2	7311.000	51.38	6.23	57.61	74.00	-16.39	peak
3*	7311.000	43.87	6.23	50.10	54.00	-3.90	AVG

Standard:	Part 15.247 / RSS-Gen	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	44.38	-0.11	44.27	74.00	-29.73	peak
2*	7356.000	39.79	6.19	45.98	74.00	-28.02	peak

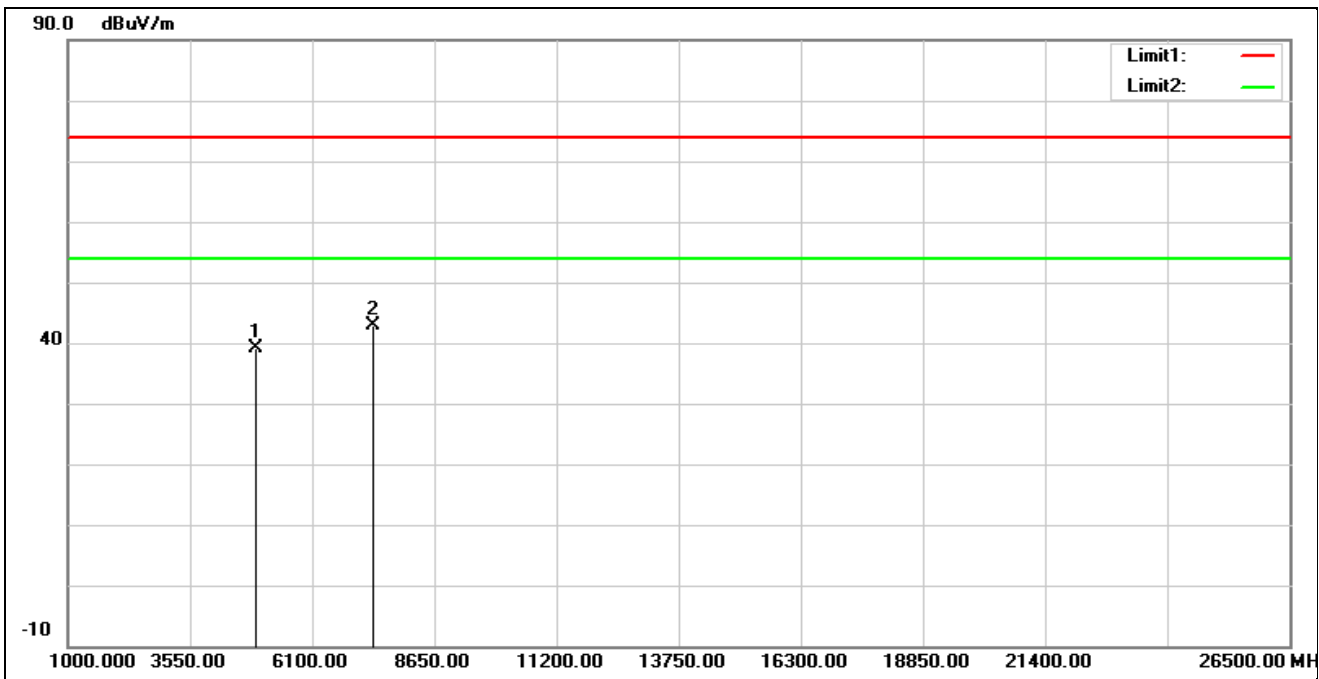
Standard:	Part 15.247 / RSS-Gen	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT40 2452 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4904.000	42.11	-0.11	42.00	74.00	-32.00	peak
2*	7356.000	44.05	6.19	50.24	74.00	-23.76	peak

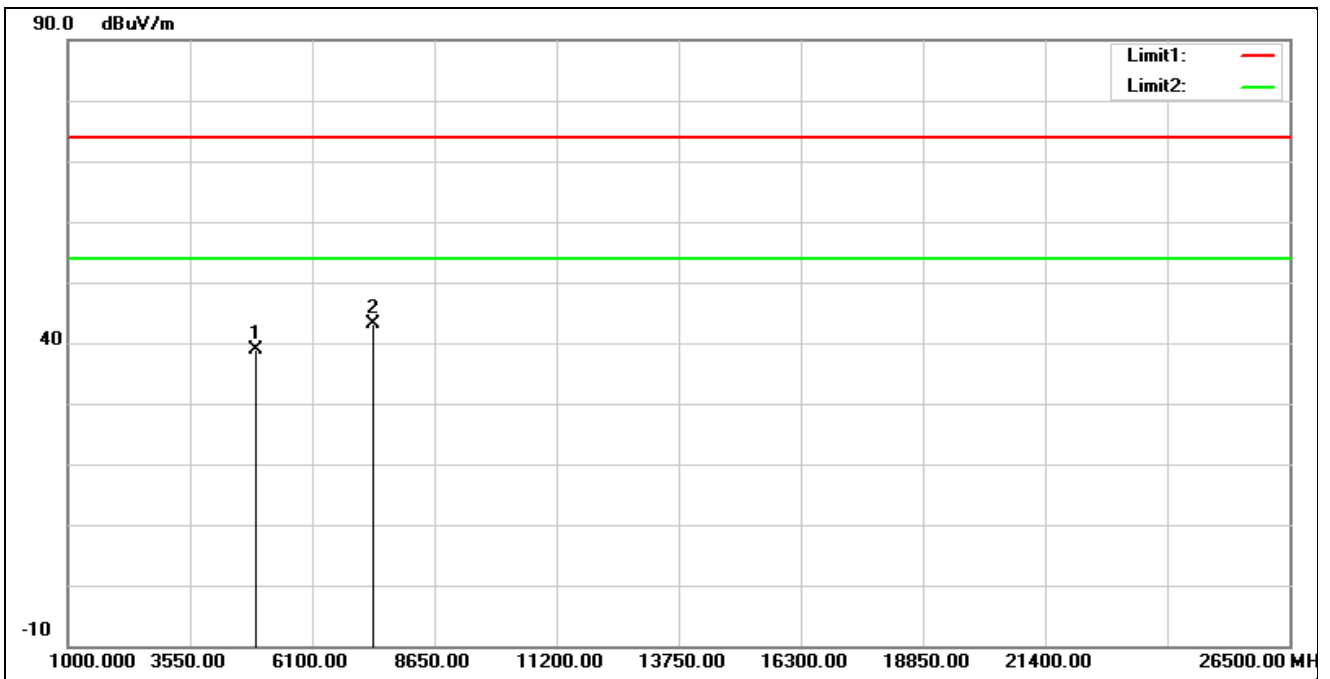


Standard:	Part 15.247 / RSS-Gen	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT40 2457 MHz		
Remark:			



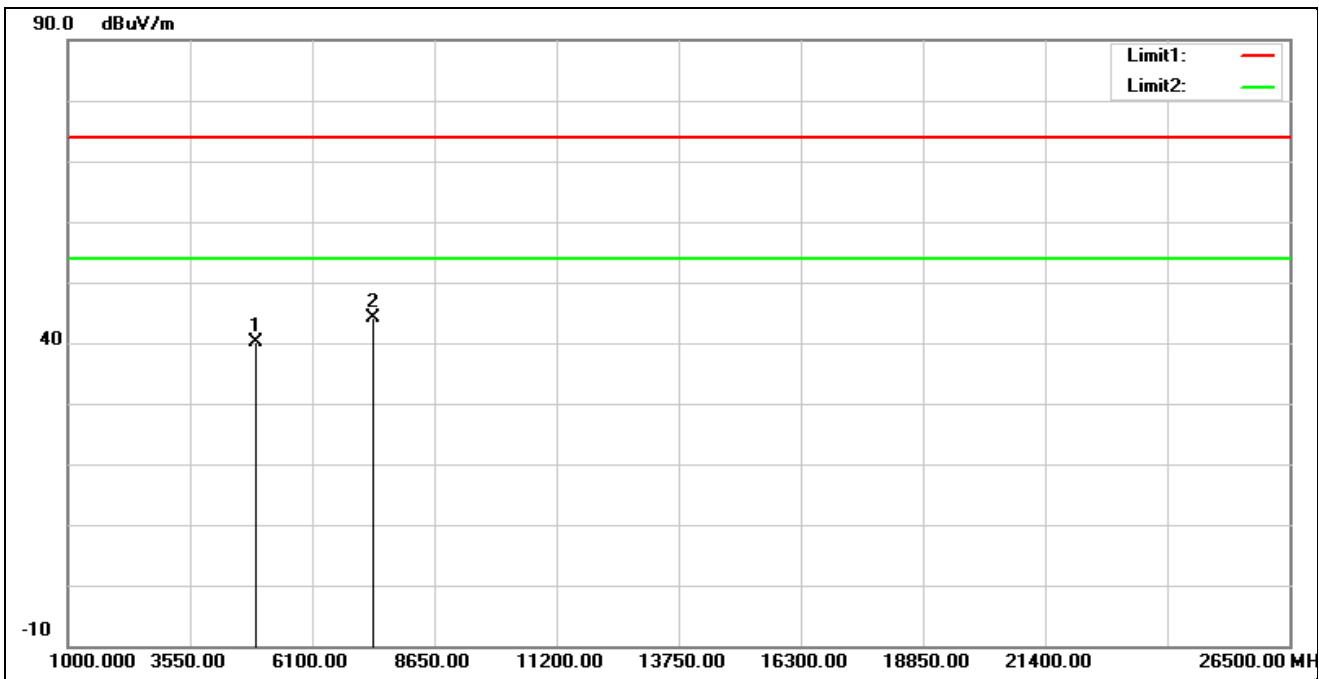
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4914.000	39.27	-0.05	39.22	74.00	-34.78	peak
2*	7371.000	36.58	6.26	42.84	74.00	-31.16	peak

Standard:	Part 15.247 / RSS-Gen	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT40 2457 MHz		
Remark:			



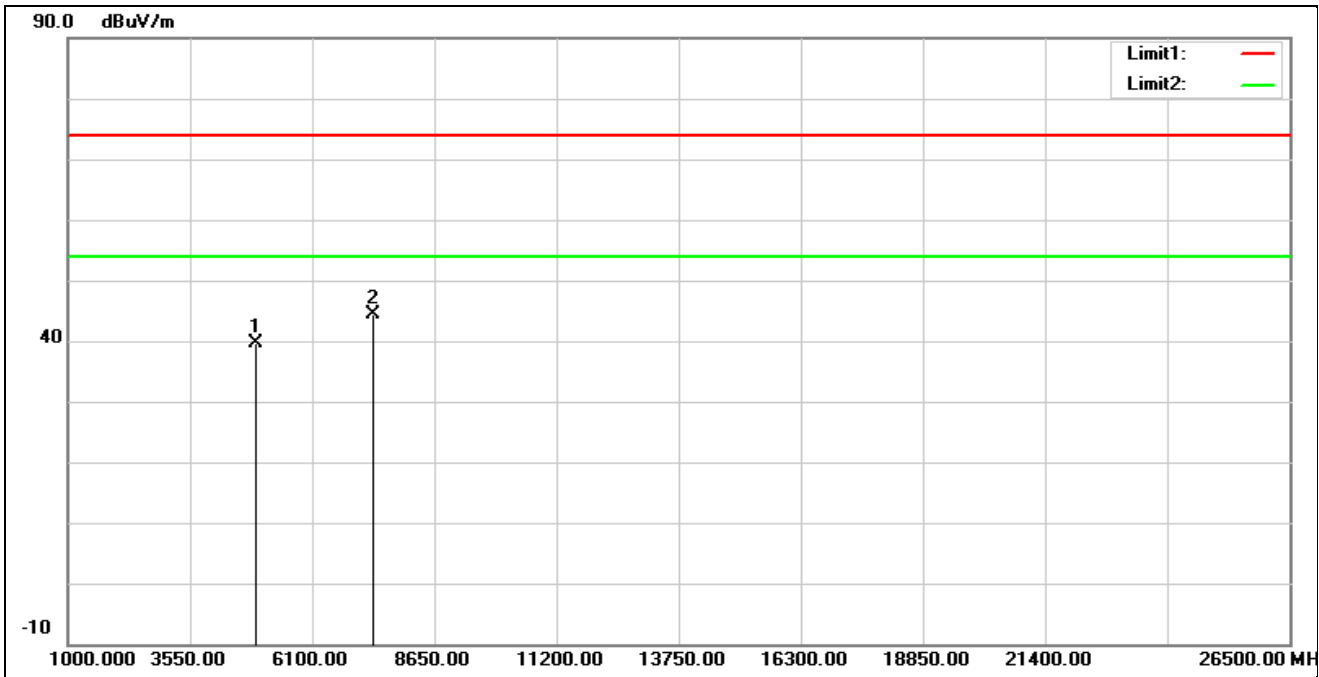
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4914.000	38.97	-0.05	38.92	74.00	-35.08	peak
2*	7371.000	36.96	6.26	43.22	74.00	-30.78	peak

Standard:	Part 15.247 / RSS-Gen	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT40 2462 MHz		
Remark:			



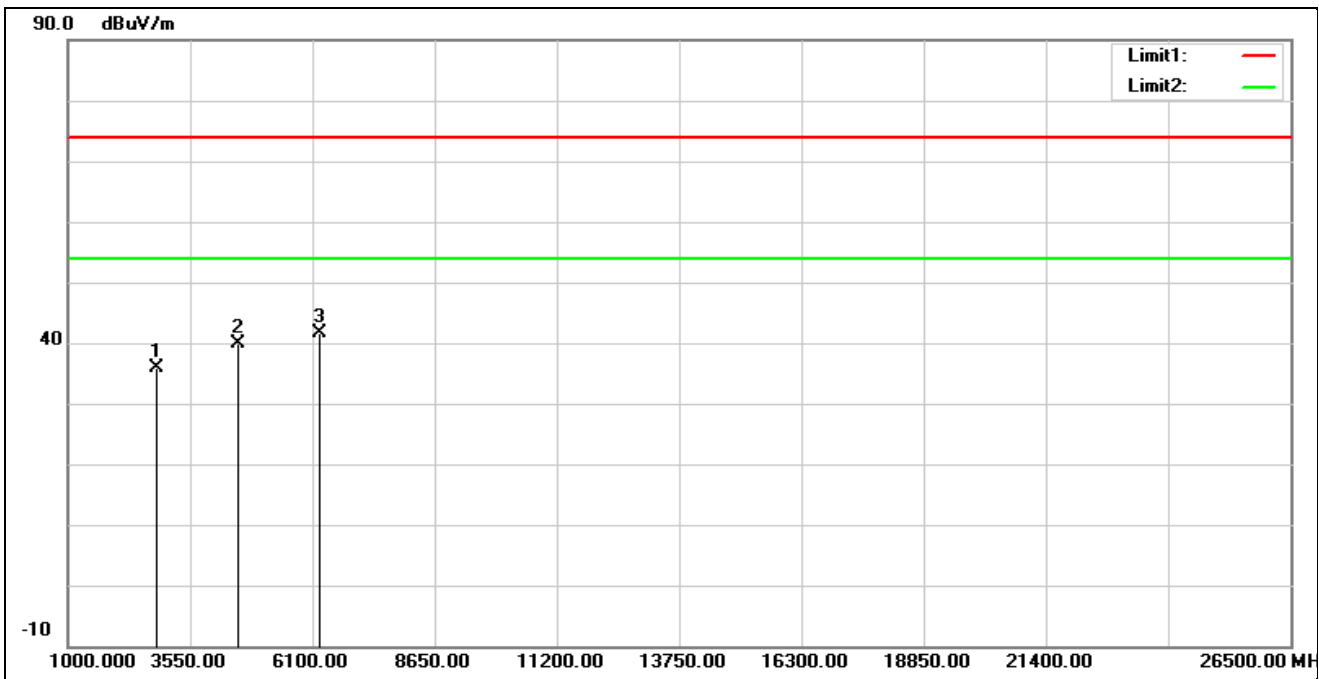
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	40.21	0.01	40.22	74.00	-33.78	peak
2*	7386.000	37.72	6.33	44.05	74.00	-29.95	peak

Standard:	Part 15.247 / RSS-Gen	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT40 2462 MHz		
Remark:			



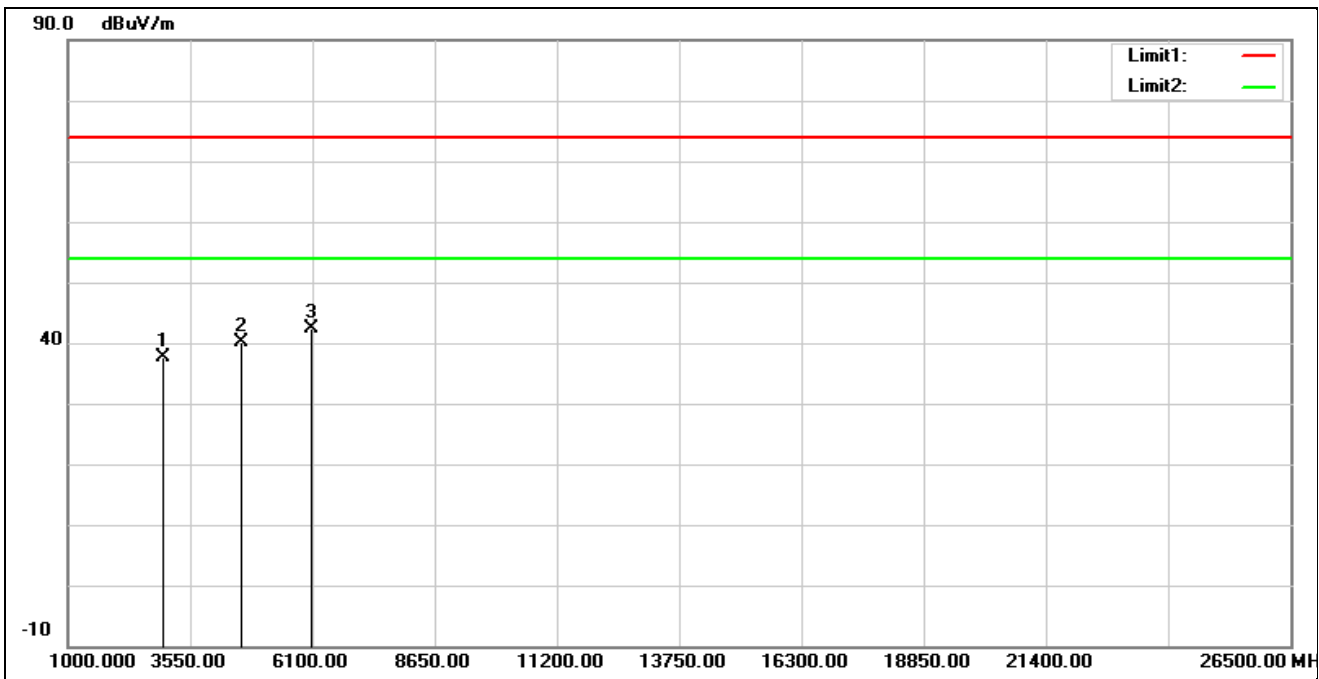
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	39.71	0.01	39.72	74.00	-34.28	peak
2*	7386.000	38.10	6.33	44.43	74.00	-29.57	peak

Standard:	Part 15.247 / RSS-Gen	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	Simultaneous Transmitting (WLAN 2.4 GHz + Bluetooth)		
Remark:			



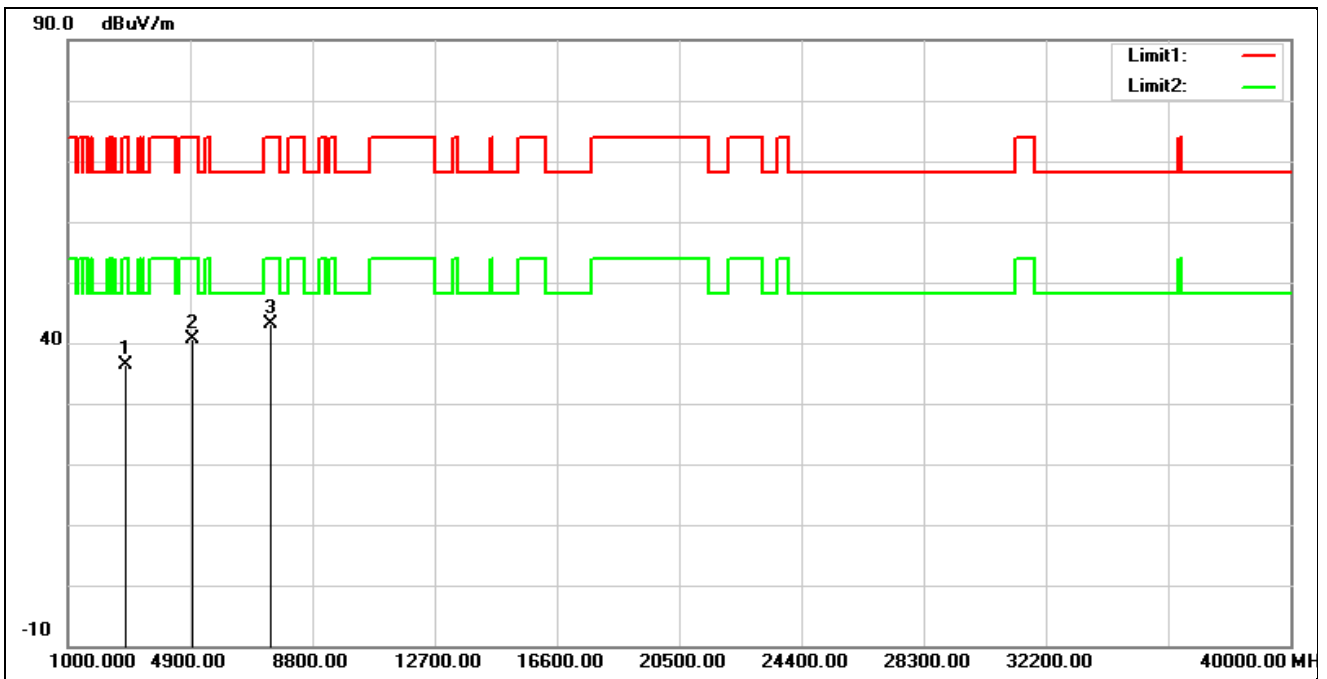
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2853.000	41.37	-5.48	35.89	74.00	-38.11	peak
2	4536.000	41.23	-1.30	39.93	74.00	-34.07	peak
3*	6253.000	38.38	3.33	41.71	74.00	-32.29	peak

Standard:	Part 15.247 / RSS-Gen	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	Simultaneous Transmitting (WLAN 2.4 GHz + Bluetooth)		
Remark:			



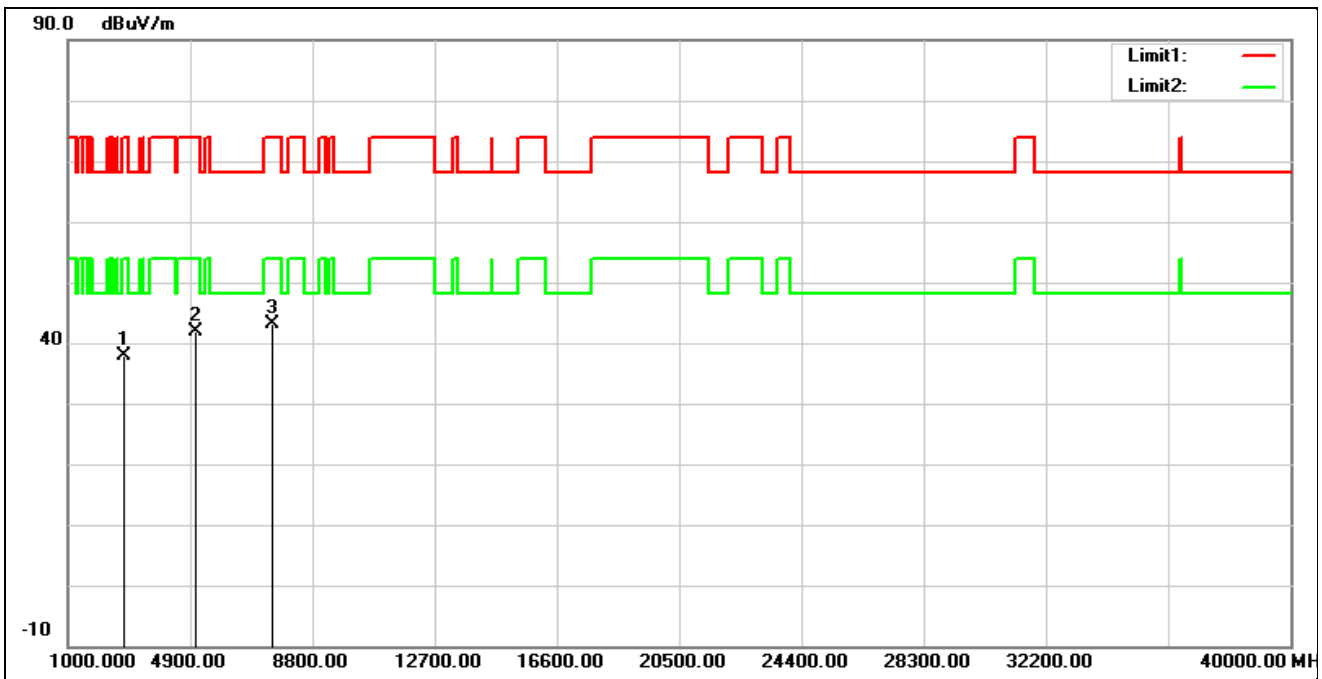
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2972.000	42.70	-5.06	37.64	74.00	-36.36	peak
2	4604.000	41.10	-0.90	40.20	74.00	-33.80	peak
3*	6066.000	39.41	2.87	42.28	74.00	-31.72	peak

Standard:	Part 15.247 / RSS-Gen	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	Simultaneous Transmitting (WLAN 2.4 GHz + 5 GHz)		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2819.000	41.84	-5.58	36.26	74.00	-37.74	peak
2	4961.000	40.48	0.22	40.70	74.00	-33.30	peak
3*	7443.000	36.72	6.40	43.12	74.00	-30.88	peak

Standard:	Part 15.247 / RSS-Gen	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	Simultaneous Transmitting (WLAN 2.4 GHz + 5 GHz)		
Remark:			



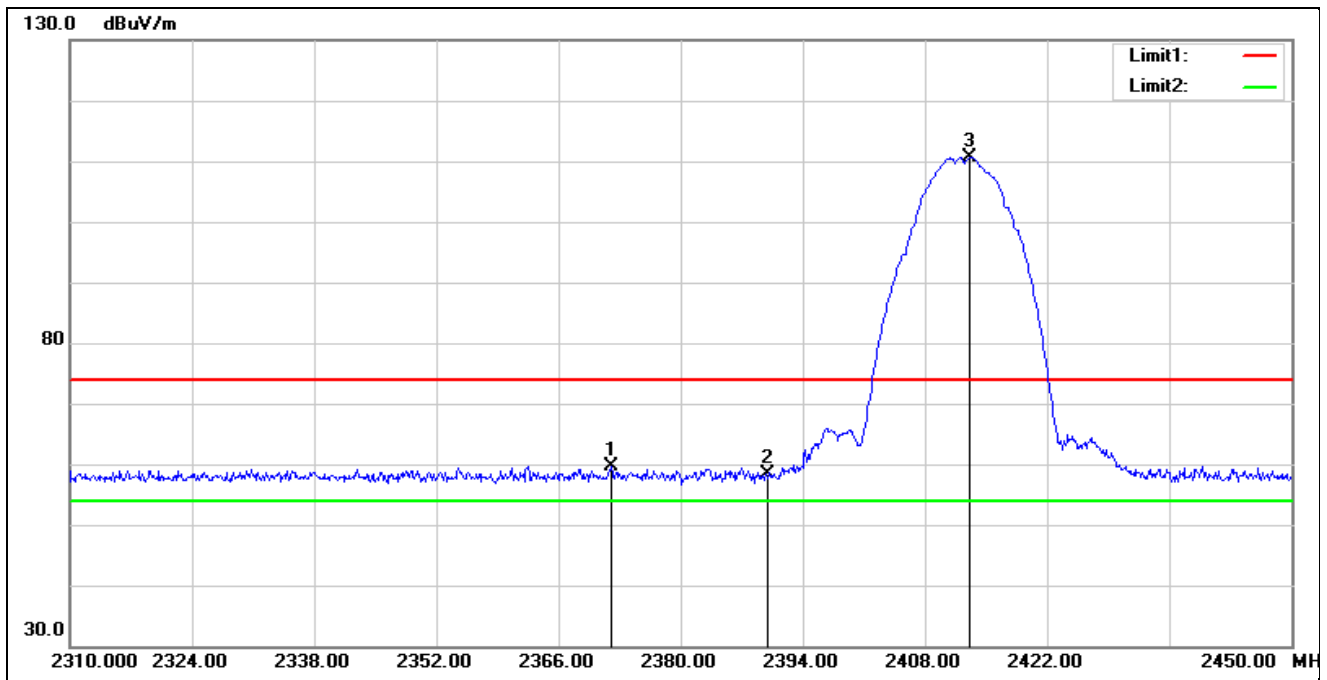
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2785.000	43.57	-5.66	37.91	74.00	-36.09	peak
2	5046.000	41.05	0.82	41.87	74.00	-32.13	peak
3*	7511.000	36.81	6.25	43.06	74.00	-30.94	peak



Band Edge

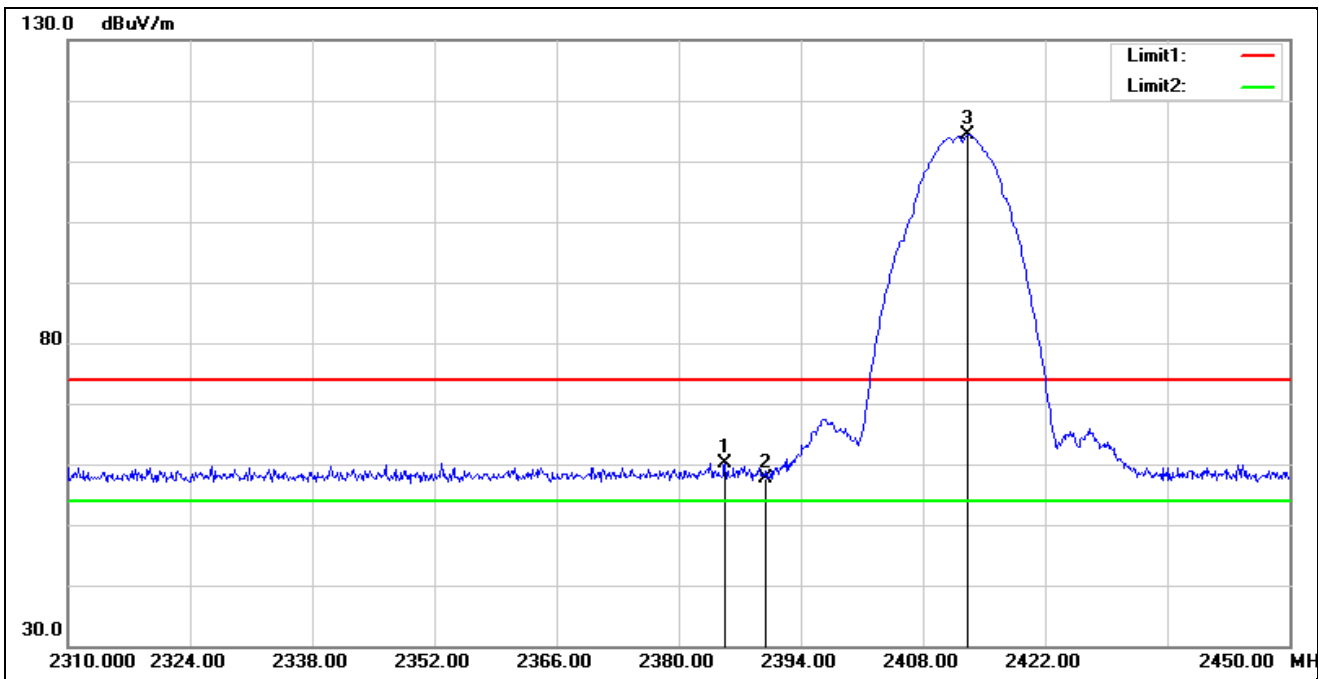
Peak
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Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11b 2412 MHz		
Remark:			



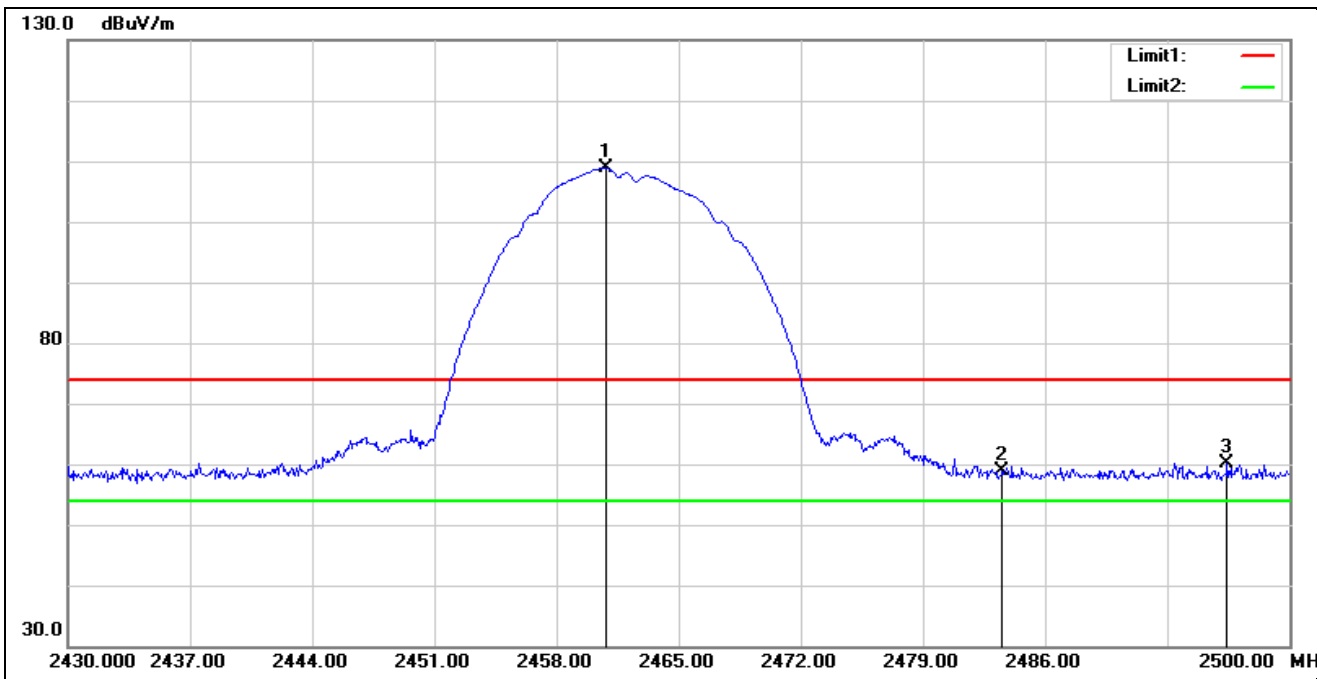
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2372.020	66.11	-6.47	59.64	74.00	-14.36	peak
2	2390.000	64.86	-6.50	58.36	74.00	-15.64	peak
3*	2413.180	117.21	-6.52	110.69	74.00	36.69	peak

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11b 2412 MHz		
Remark:			



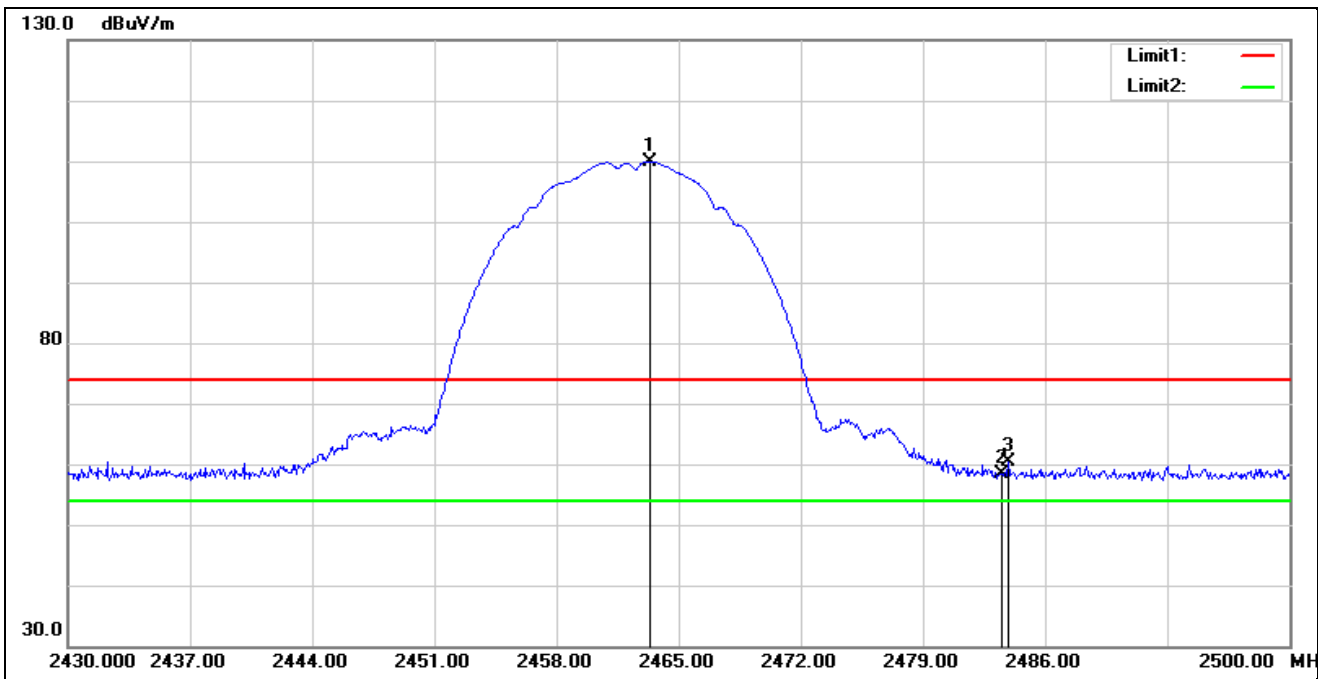
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2385.320	66.67	-6.49	60.18	74.00	-13.82	peak
2	2390.000	64.17	-6.50	57.67	74.00	-16.33	peak
3*	2413.180	120.88	-6.52	114.36	74.00	40.36	peak

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11b 2462 MHz		
Remark:			



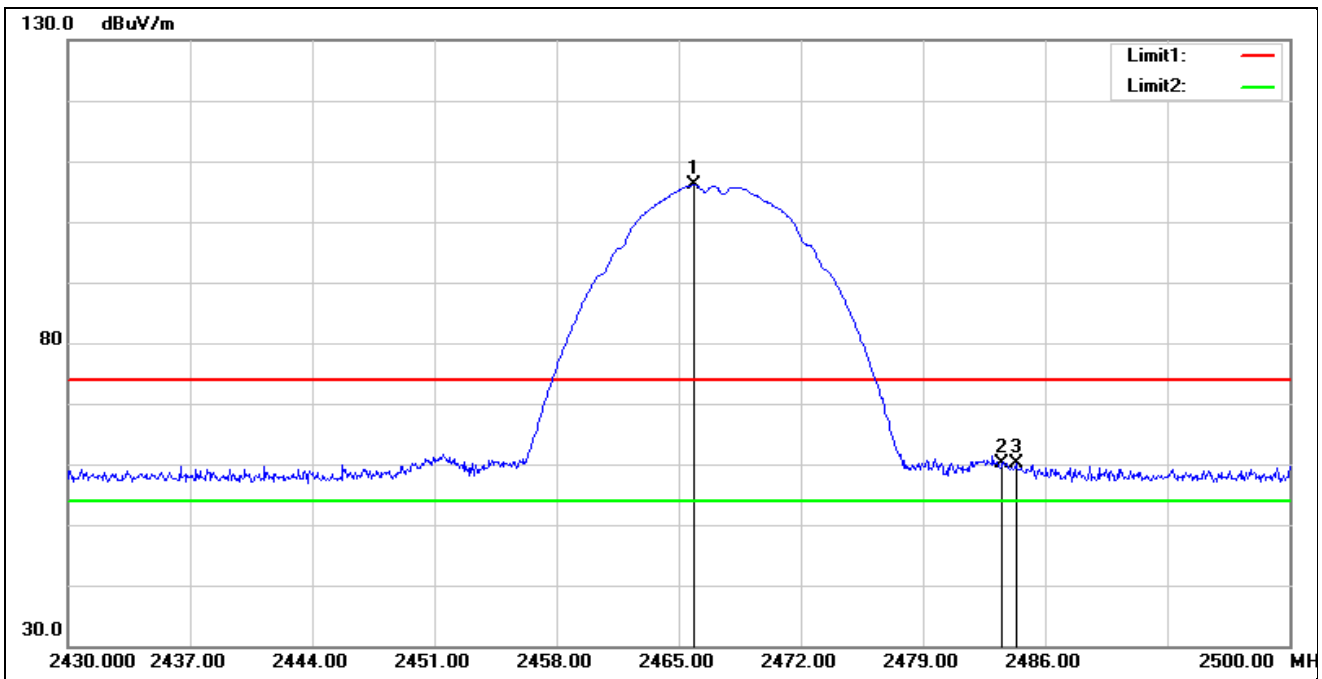
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2460.870	115.39	-6.55	108.84	74.00	34.84	peak
2	2483.500	65.34	-6.57	58.77	74.00	-15.23	peak
3	2496.430	66.62	-6.58	60.04	74.00	-13.96	peak

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11b 2462 MHz		
Remark:			



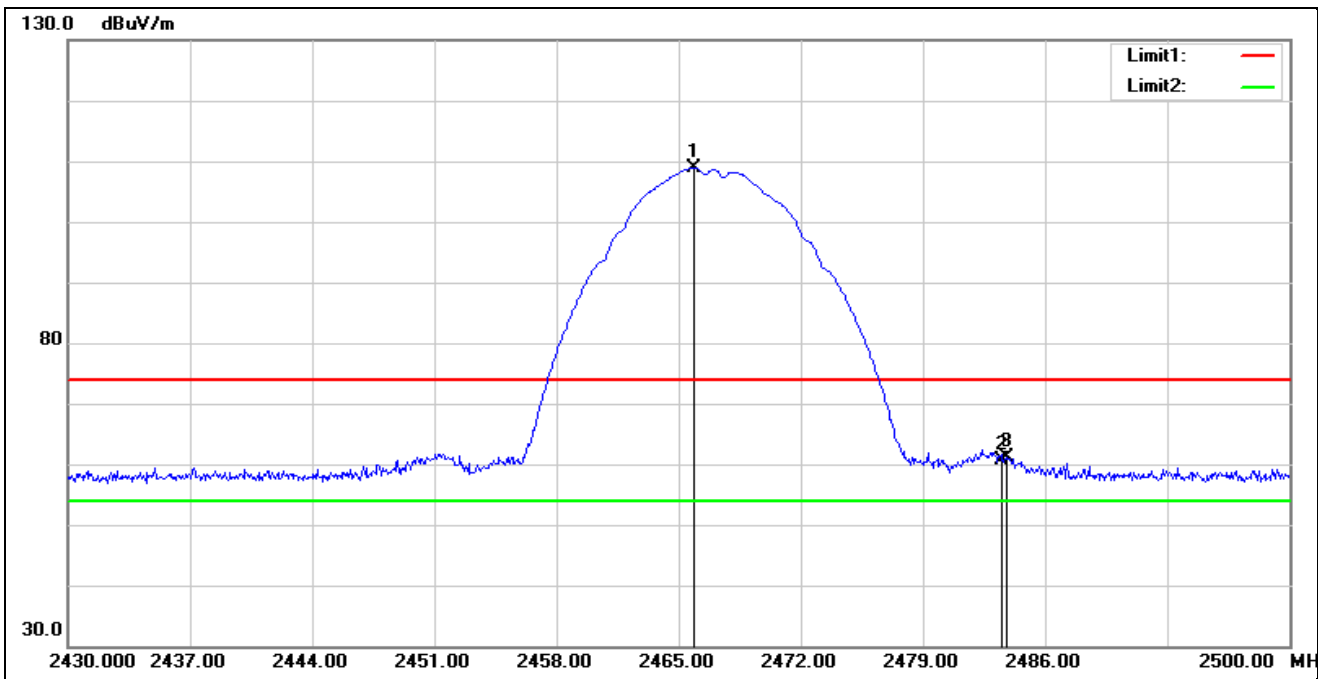
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2463.320	116.54	-6.56	109.98	74.00	35.98	peak
2	2483.500	65.02	-6.57	58.45	74.00	-15.55	peak
3	2483.900	66.84	-6.57	60.27	74.00	-13.73	peak

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11b 2467 MHz		
Remark:			



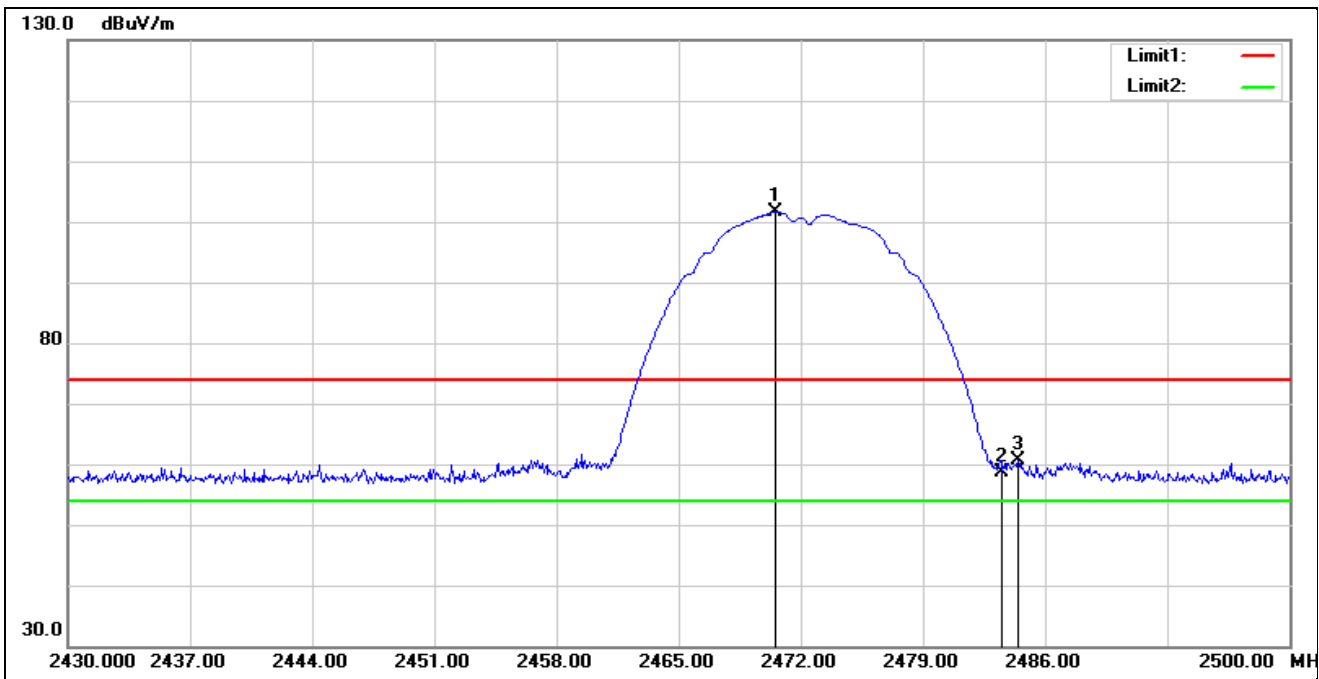
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2465.910	112.61	-6.56	106.05	74.00	32.05	peak
2	2483.500	66.80	-6.57	60.23	74.00	-13.77	peak
3	2484.320	66.71	-6.57	60.14	74.00	-13.86	peak

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11b 2467 MHz		
Remark:			



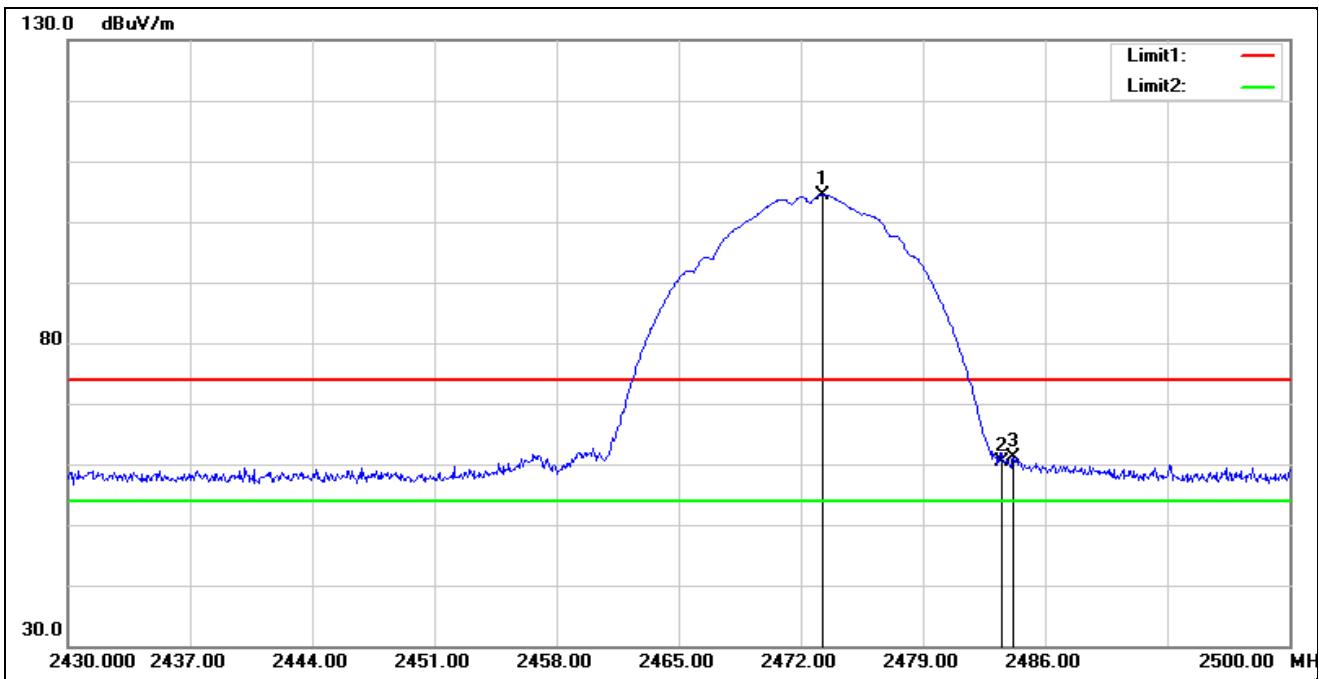
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2465.840	115.44	-6.56	108.88	74.00	34.88	peak
2	2483.500	67.13	-6.57	60.56	74.00	-13.44	peak
3	2483.830	67.64	-6.57	61.07	74.00	-12.93	peak

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11b 2472 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2470.530	108.14	-6.57	101.57	74.00	27.57	peak
2	2483.500	65.19	-6.57	58.62	74.00	-15.38	peak
3	2484.460	67.13	-6.57	60.56	74.00	-13.44	peak

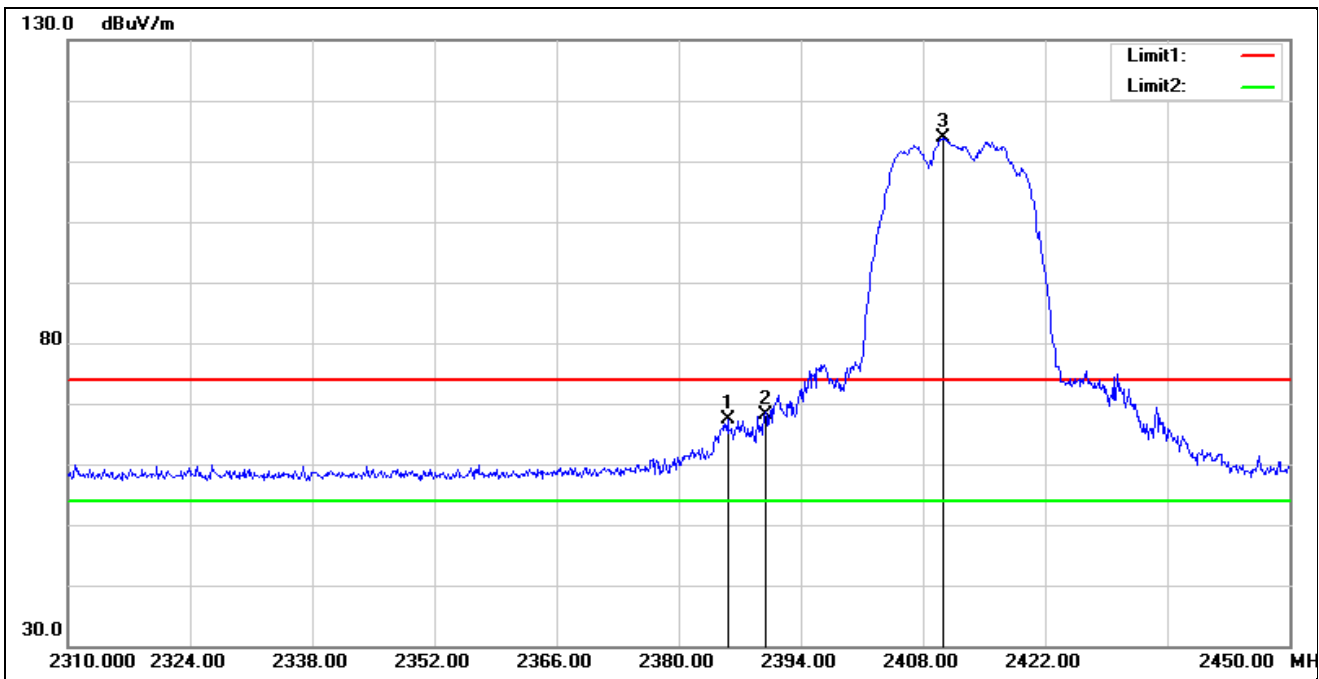
Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11b 2472 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2473.260	111.06	-6.57	104.49	74.00	30.49	peak
2	2483.500	66.94	-6.57	60.37	74.00	-13.63	peak
3	2484.180	67.81	-6.57	61.24	74.00	-12.76	peak

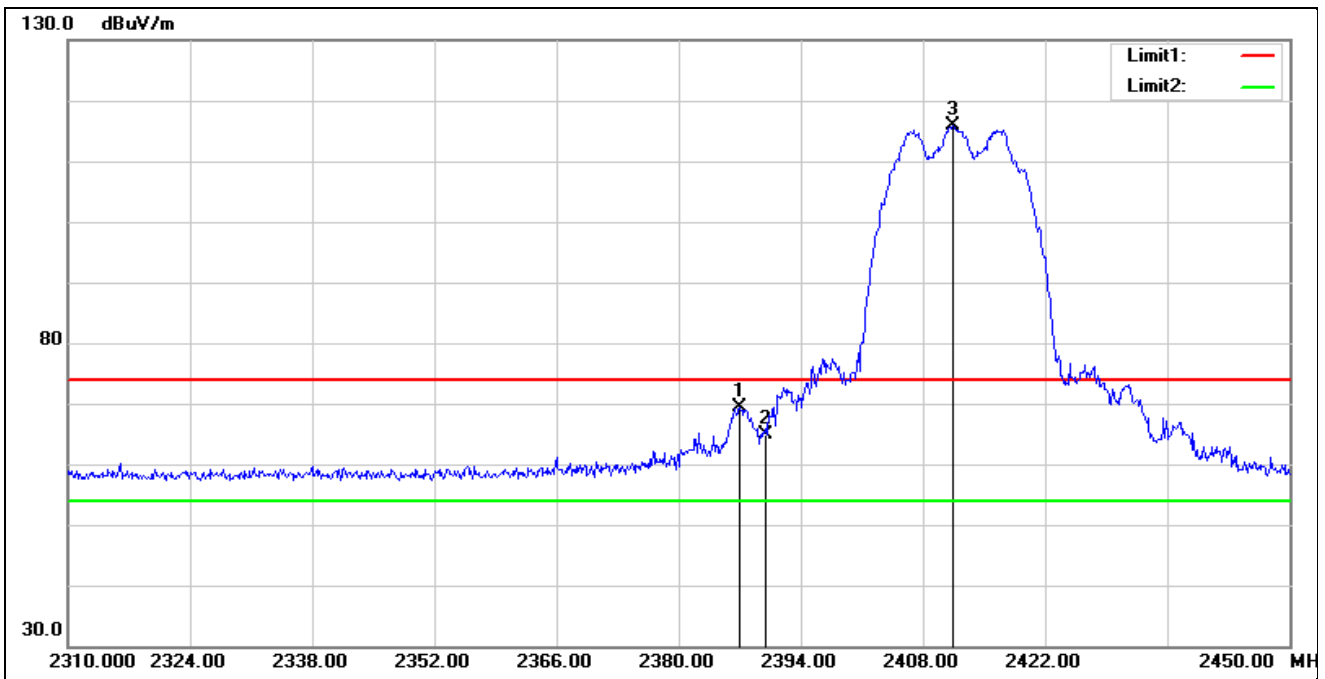


Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2412 MHz		
Remark:			



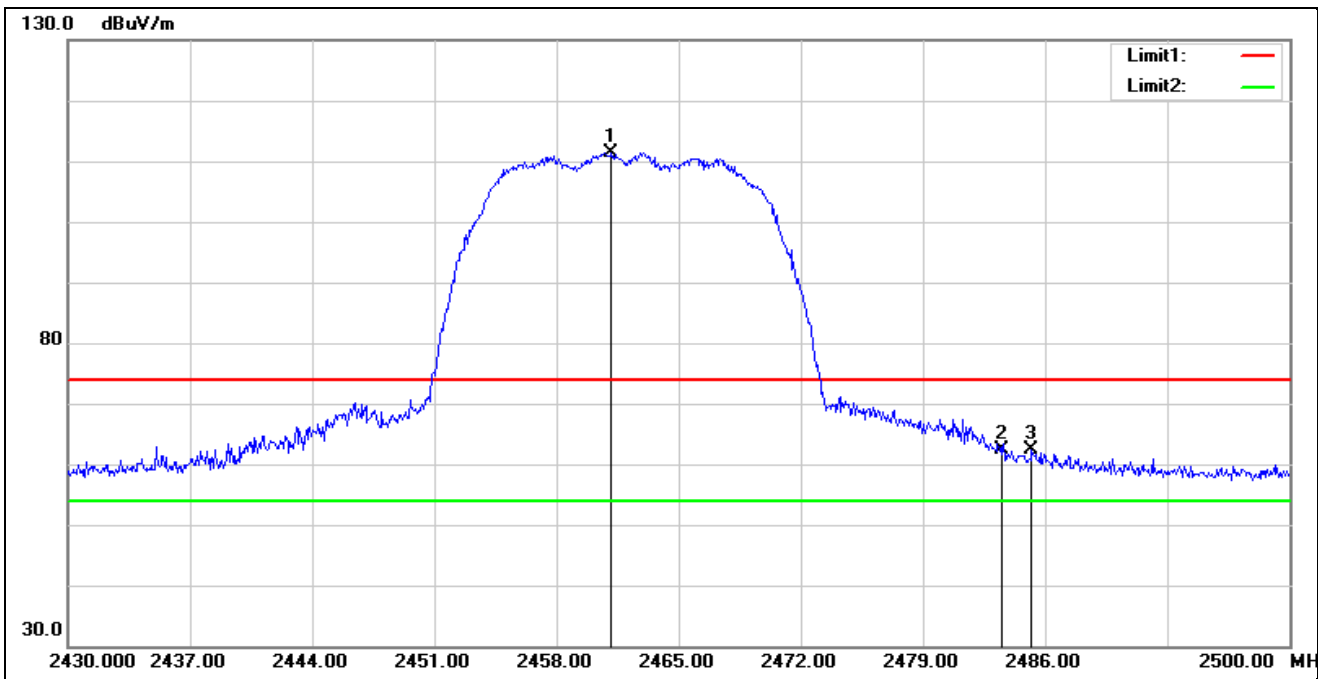
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2385.600	73.80	-6.49	67.31	74.00	-6.69	peak
2	2390.000	74.73	-6.50	68.23	74.00	-5.77	peak
3*	2410.380	120.51	-6.51	114.00	74.00	40.00	peak

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2412 MHz		
Remark:			



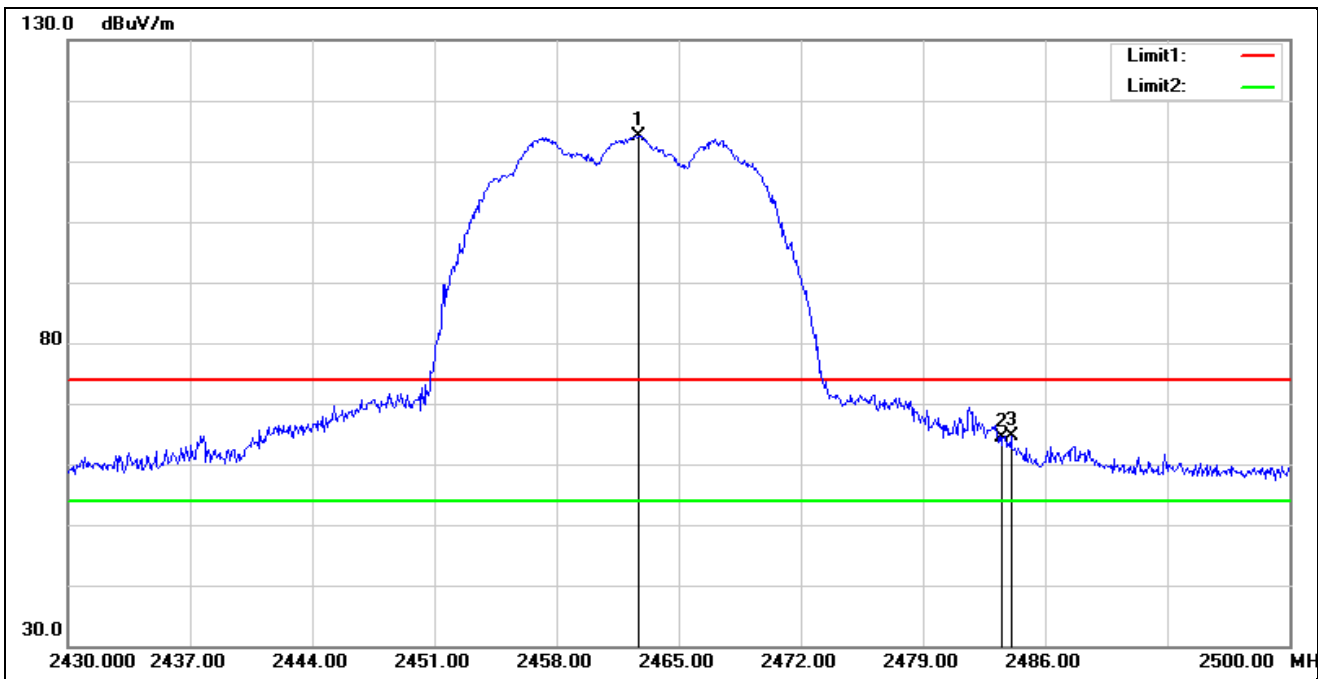
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2387.000	75.78	-6.49	69.29	74.00	-4.71	peak
2	2390.000	71.29	-6.50	64.79	74.00	-9.21	peak
3*	2411.500	122.33	-6.51	115.82	74.00	41.82	peak

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2462 MHz		
Remark:			



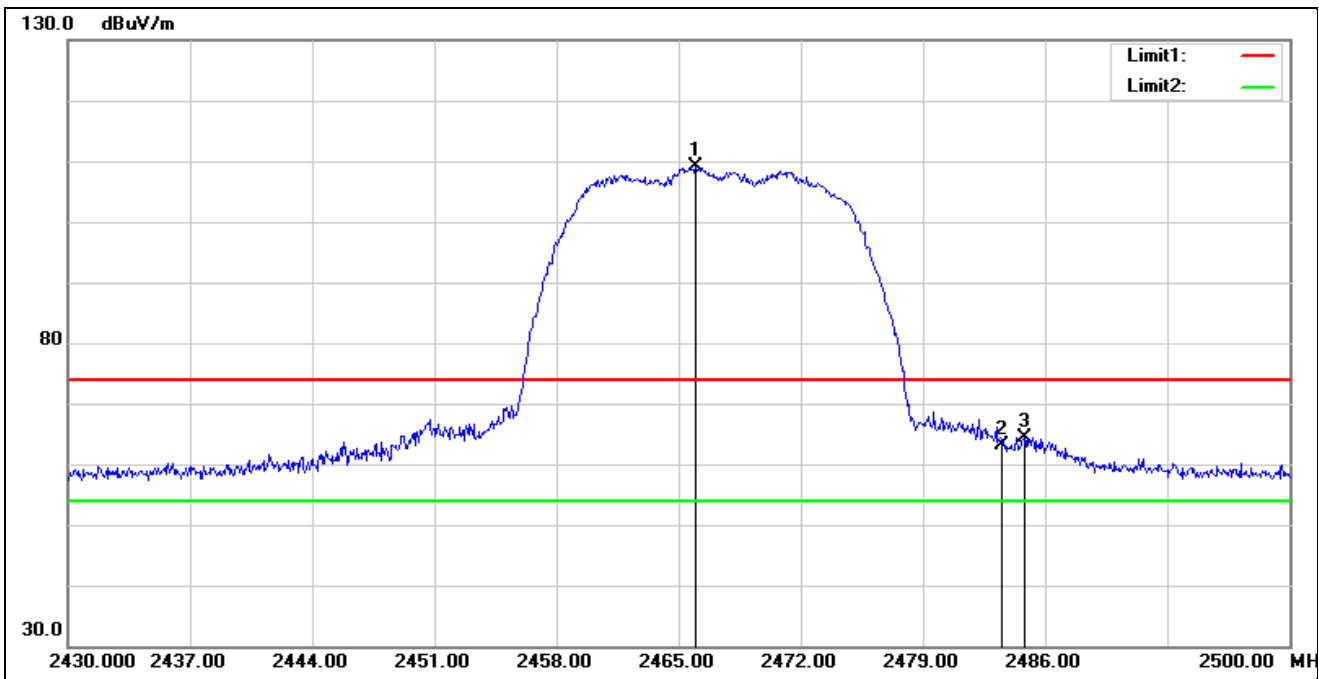
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2461.150	118.02	-6.55	111.47	74.00	37.47	peak
2	2483.500	69.07	-6.57	62.50	74.00	-11.50	peak
3	2485.230	68.98	-6.57	62.41	74.00	-11.59	peak

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2462 MHz		
Remark:			



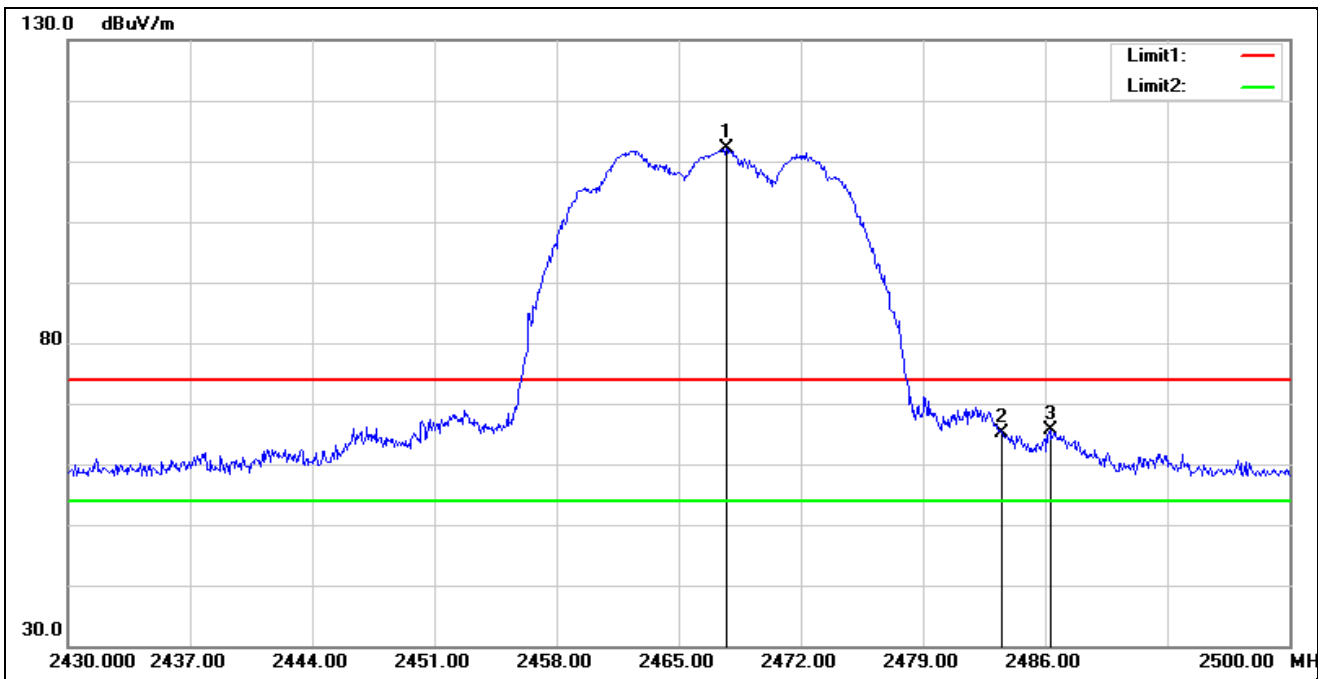
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2462.690	120.81	-6.56	114.25	74.00	40.25	peak
2	2483.500	70.99	-6.57	64.42	74.00	-9.58	peak
3	2484.040	71.09	-6.57	64.52	74.00	-9.48	peak

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2467 MHz		
Remark:			



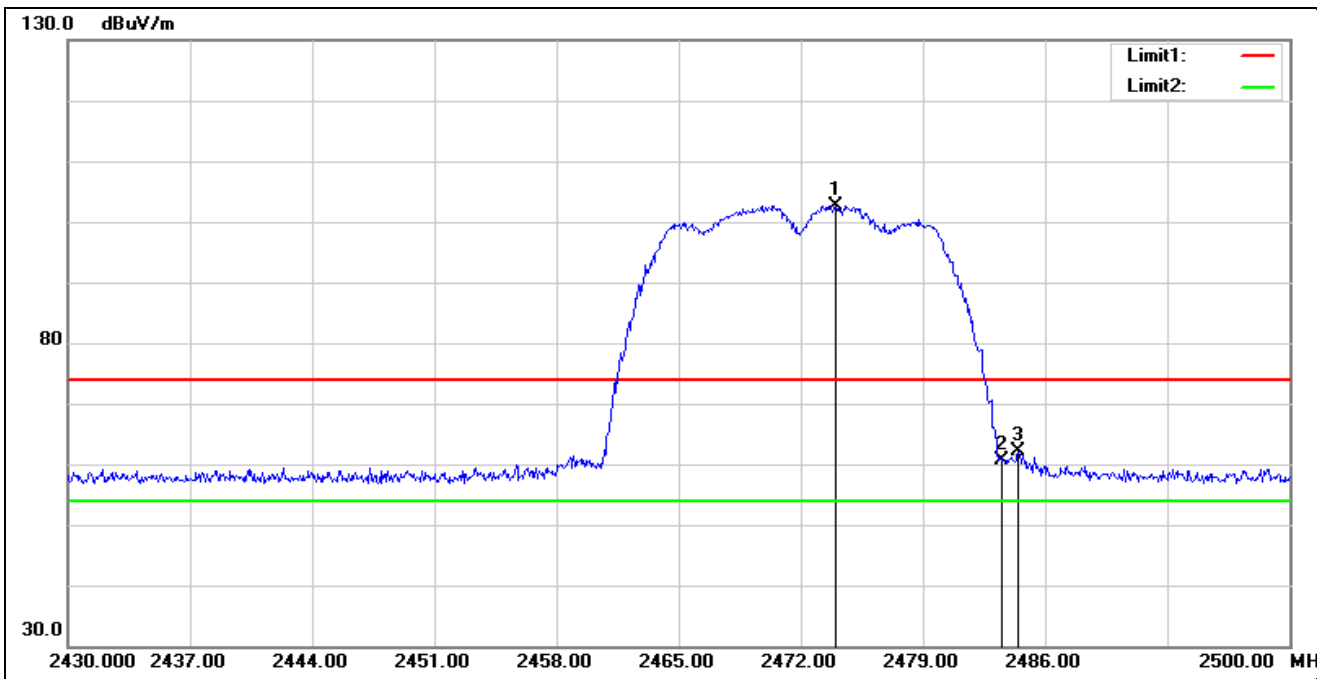
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2465.980	115.65	-6.56	109.09	74.00	35.09	peak
2	2483.500	69.65	-6.57	63.08	74.00	-10.92	peak
3	2484.810	70.92	-6.57	64.35	74.00	-9.65	peak

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2467 MHz		
Remark:			



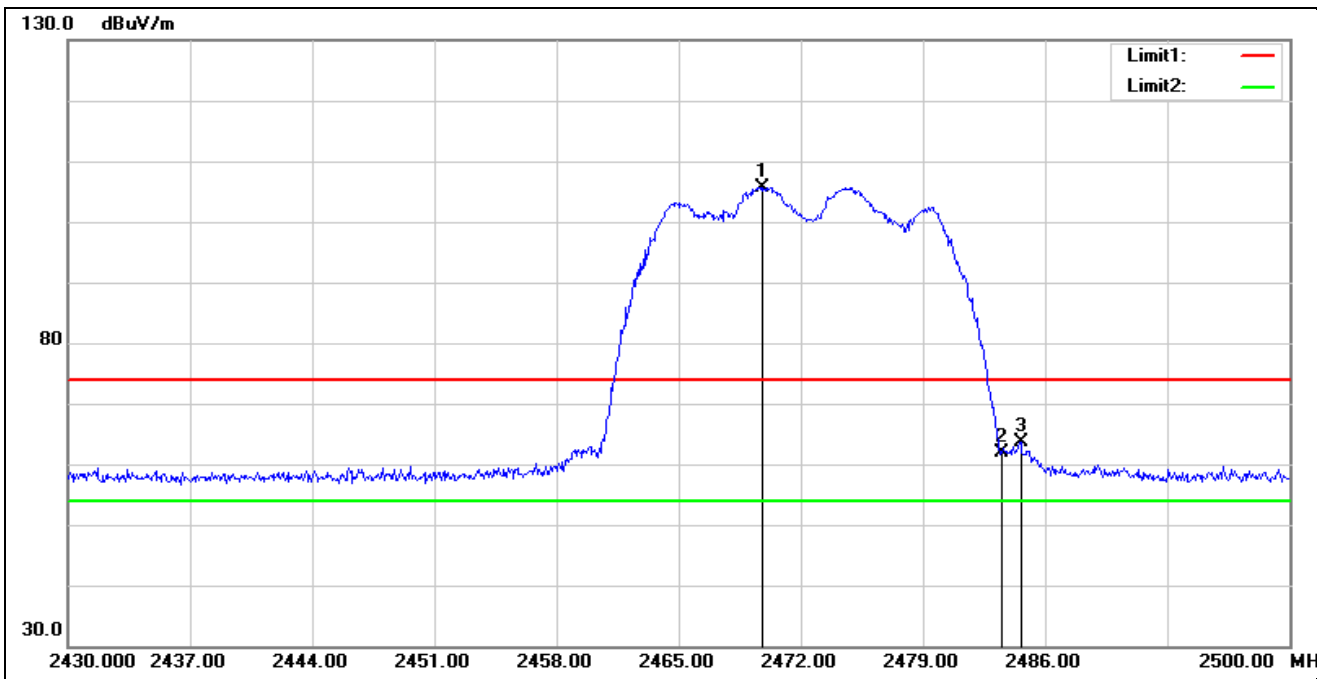
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2467.730	118.60	-6.57	112.03	74.00	38.03	peak
2	2483.500	71.59	-6.57	65.02	74.00	-8.98	peak
3	2486.280	72.23	-6.57	65.66	74.00	-8.34	peak

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2472 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2474.030	109.25	-6.57	102.68	74.00	28.68	peak
2	2483.500	67.09	-6.57	60.52	74.00	-13.48	peak
3	2484.460	68.67	-6.57	62.10	74.00	-11.90	peak

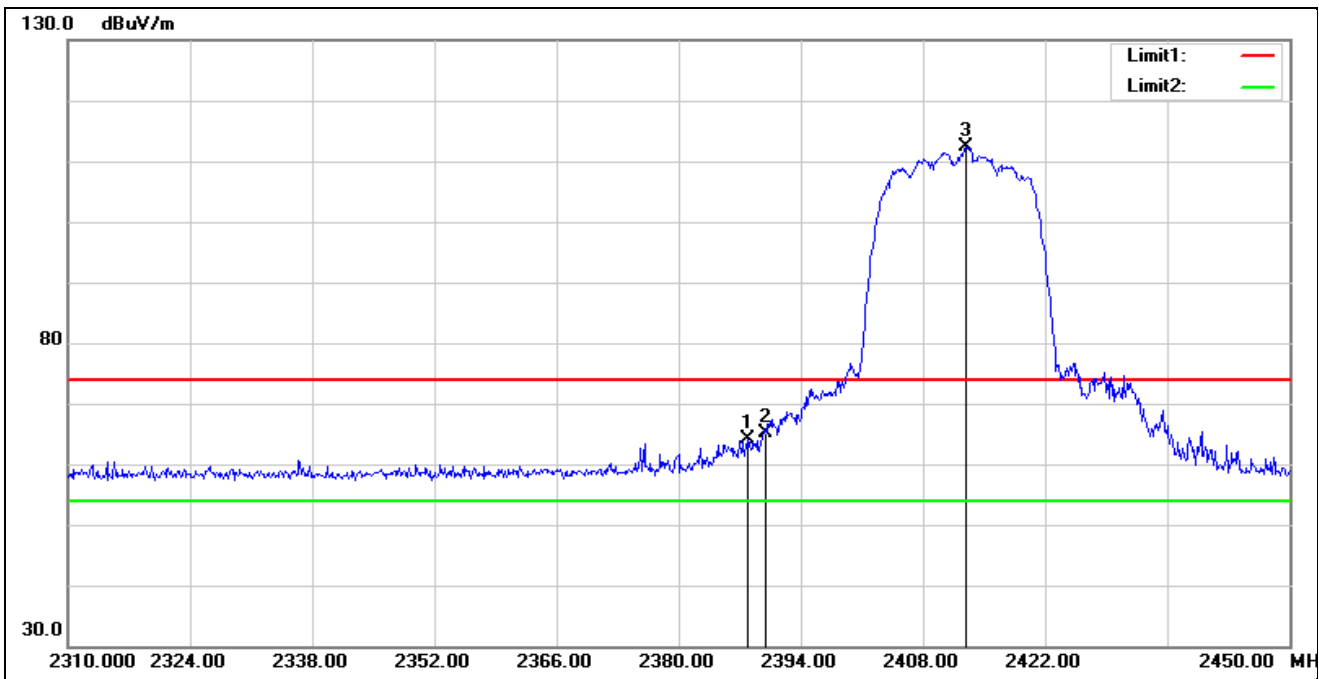
Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2472 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2469.830	112.29	-6.57	105.72	74.00	31.72	peak
2	2483.500	68.40	-6.57	61.83	74.00	-12.17	peak
3	2484.600	70.19	-6.57	63.62	74.00	-10.38	peak

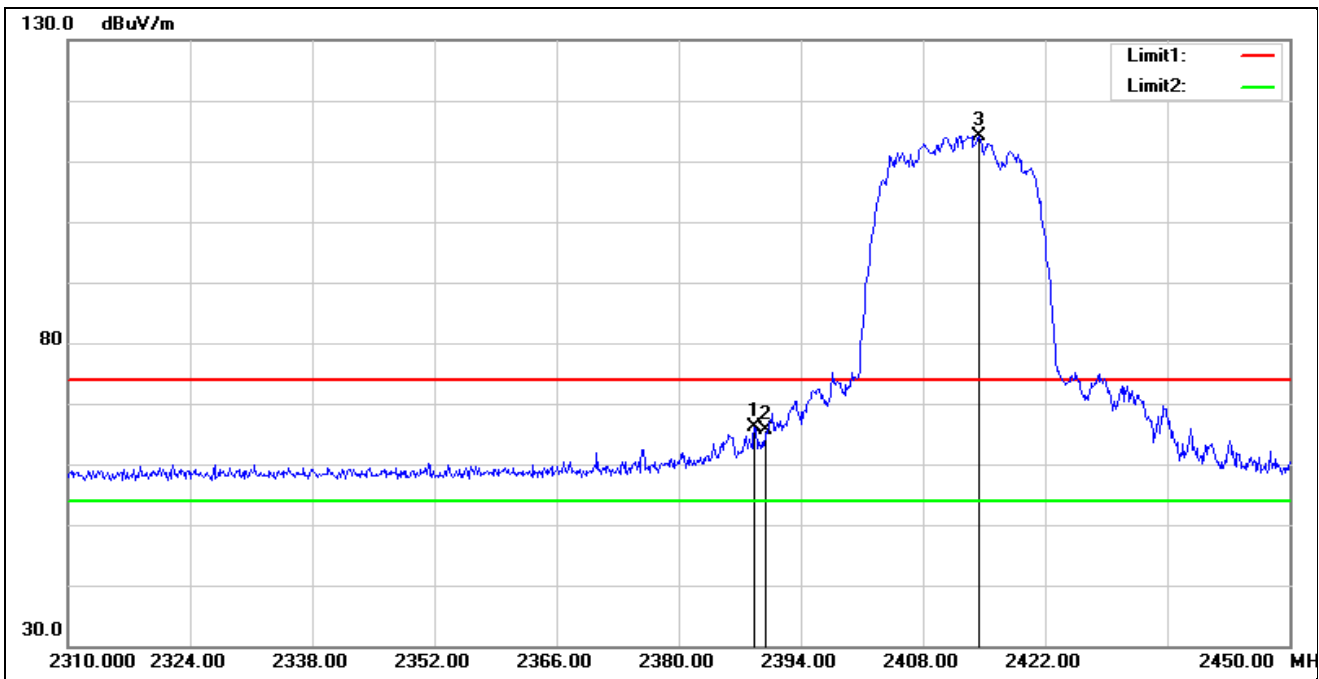


Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2412 MHz		
Remark:			



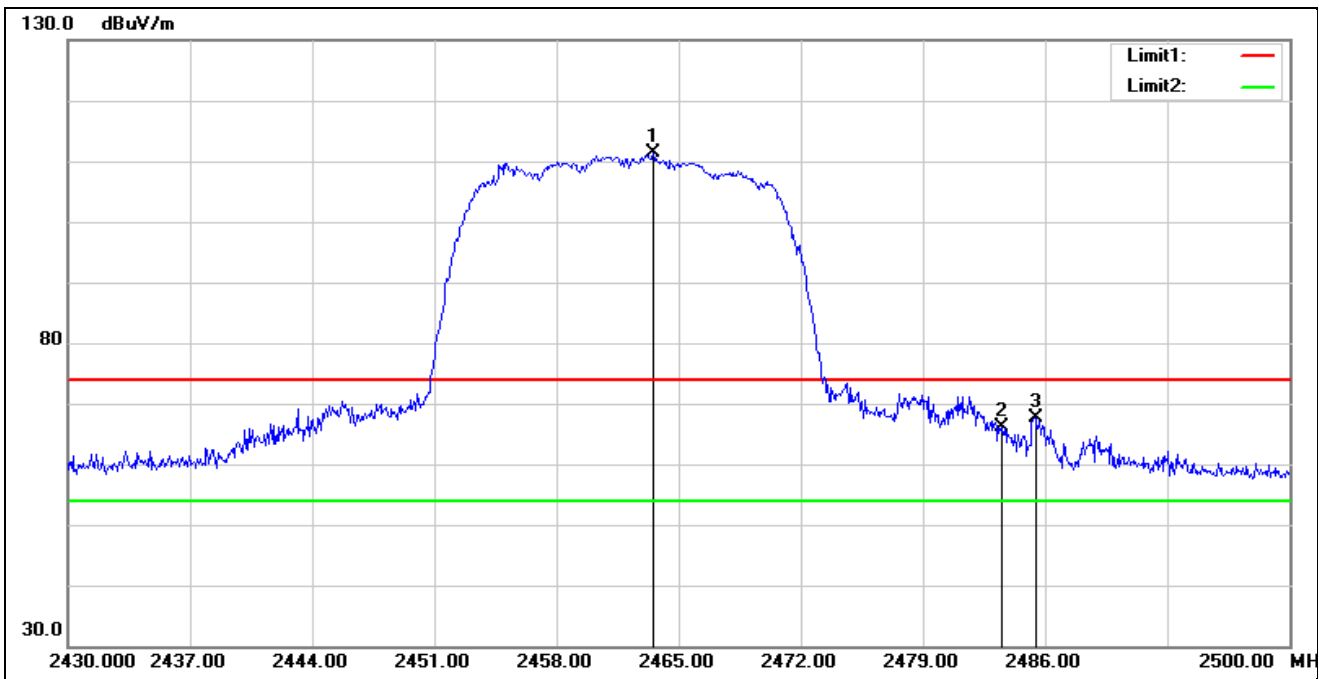
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2387.980	70.63	-6.50	64.13	74.00	-9.87	peak
2	2390.000	71.51	-6.50	65.01	74.00	-8.99	peak
3*	2412.900	118.90	-6.52	112.38	74.00	38.38	peak

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2412 MHz		
Remark:			



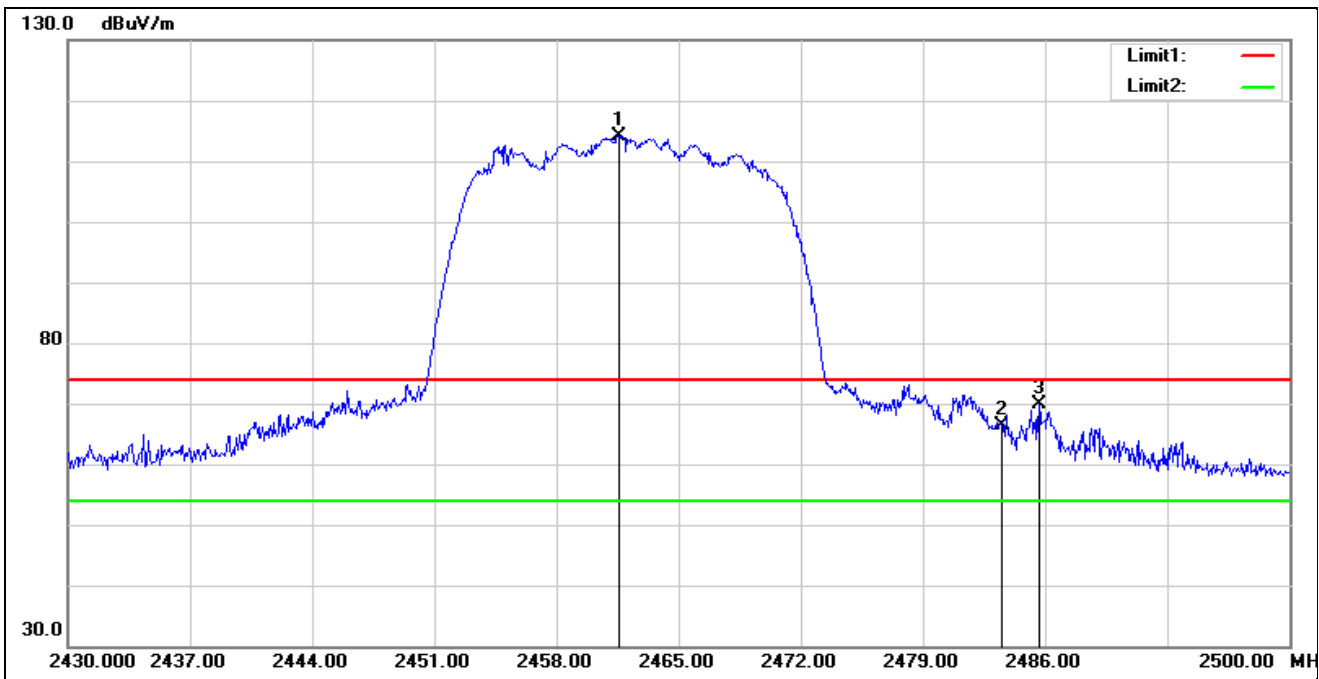
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.680	72.53	-6.50	66.03	74.00	-7.97	peak
2	2390.000	72.11	-6.50	65.61	74.00	-8.39	peak
3*	2414.440	120.77	-6.52	114.25	74.00	40.25	peak

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2462 MHz		
Remark:			



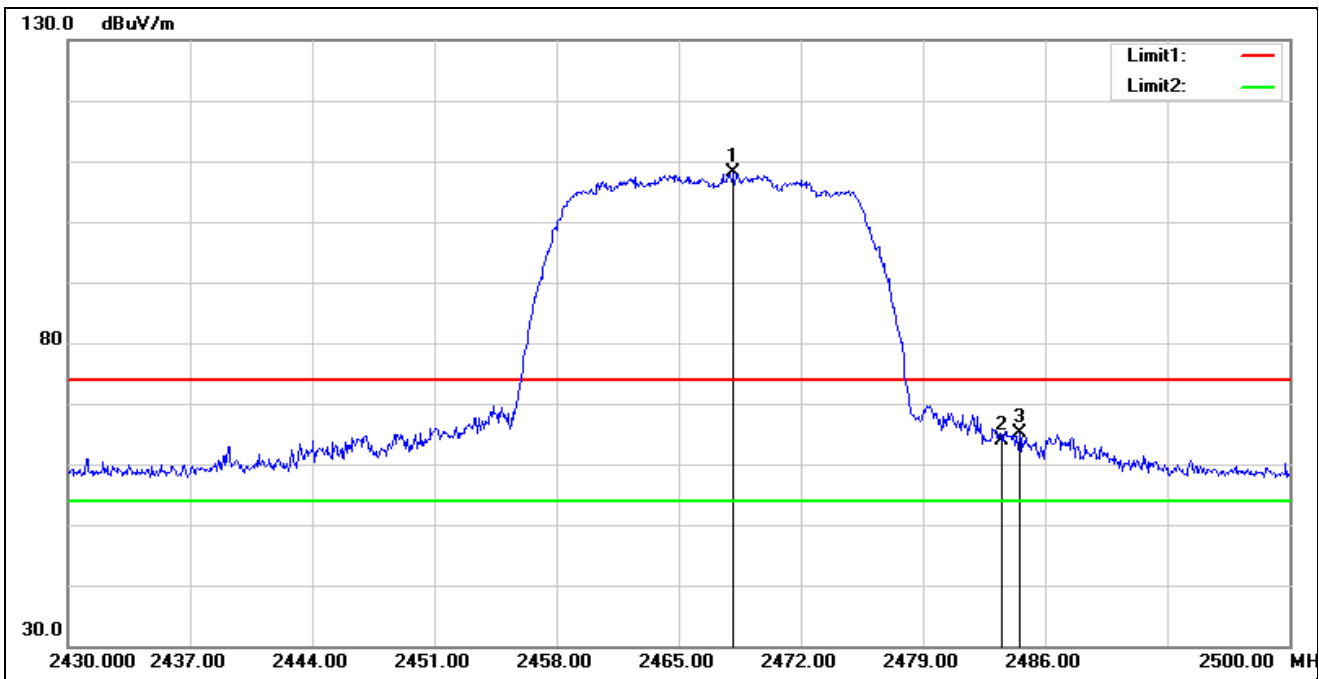
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2463.530	117.89	-6.56	111.33	74.00	37.33	peak
2	2483.500	72.67	-6.57	66.10	74.00	-7.90	peak
3	2485.440	74.25	-6.57	67.68	74.00	-6.32	peak

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2462 MHz		
Remark:			



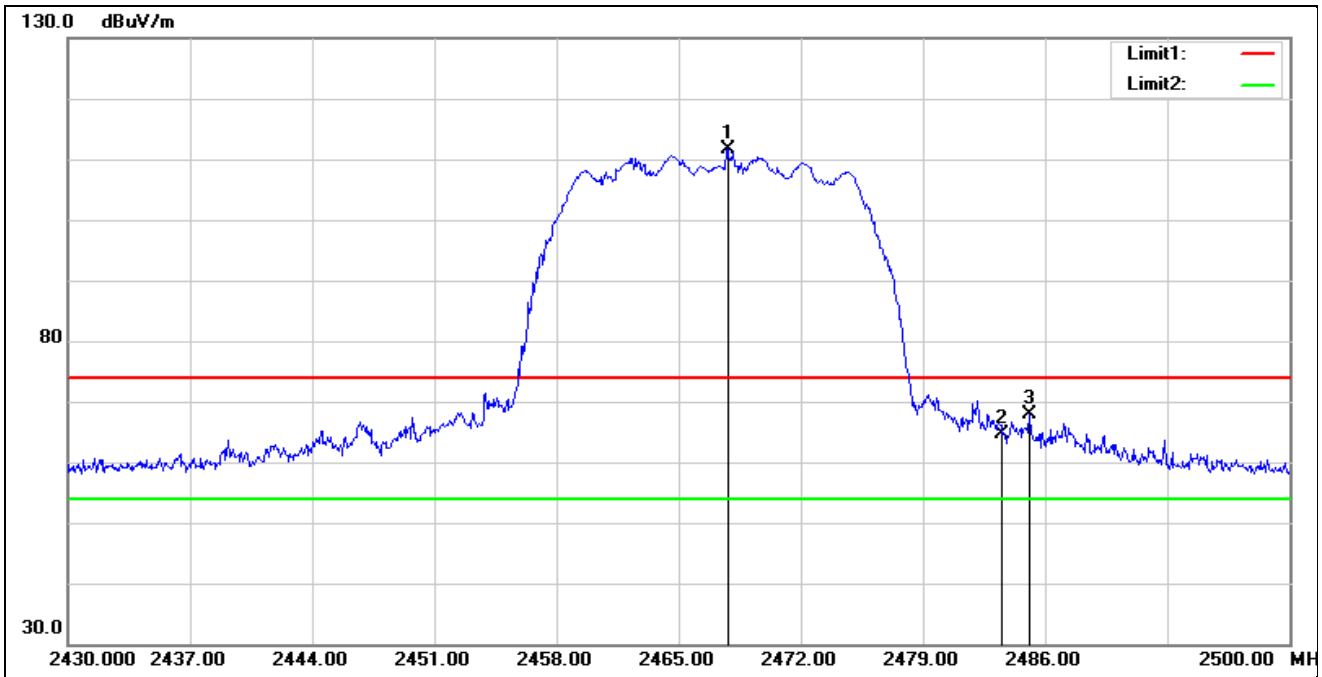
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2461.570	120.70	-6.55	114.15	74.00	40.15	peak
2	2483.500	73.05	-6.57	66.48	74.00	-7.52	peak
3	2485.650	76.53	-6.57	69.96	74.00	-4.04	peak

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2467 MHz		
Remark:			



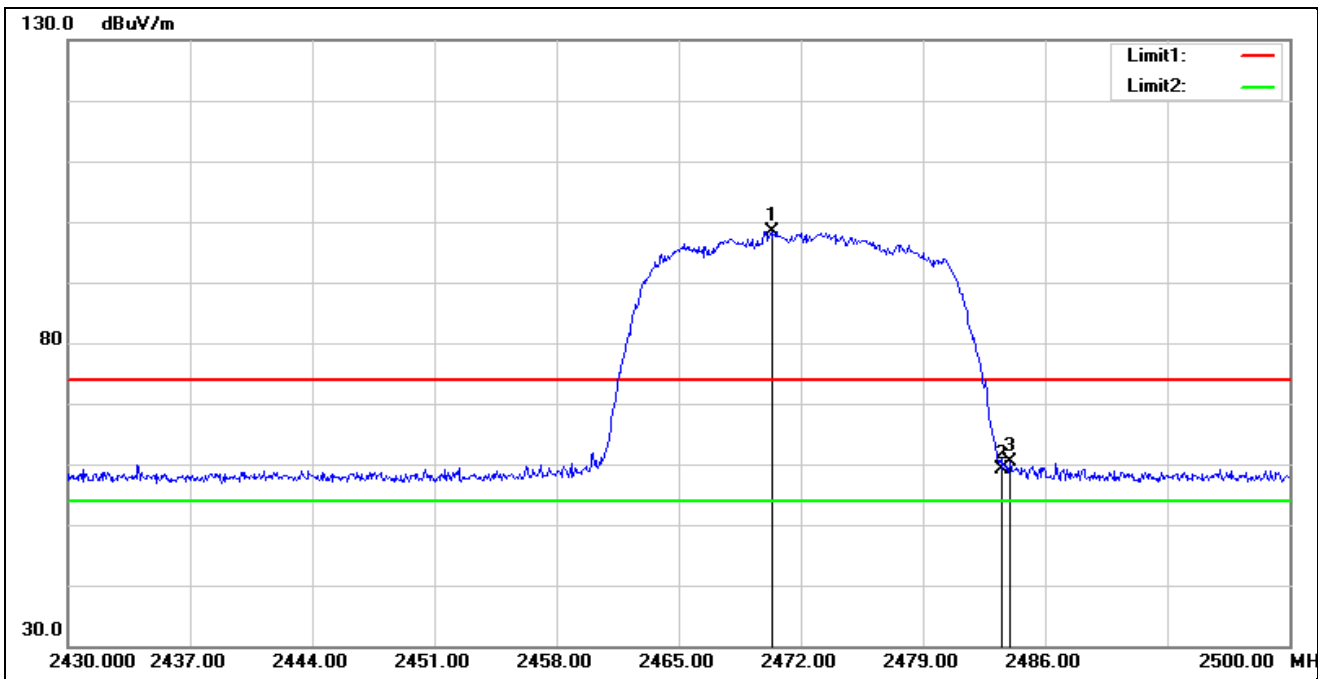
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2468.150	114.63	-6.57	108.06	74.00	34.06	peak
2	2483.500	70.44	-6.57	63.87	74.00	-10.13	peak
3	2484.530	71.63	-6.57	65.06	74.00	-8.94	peak

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2467 MHz		
Remark:			



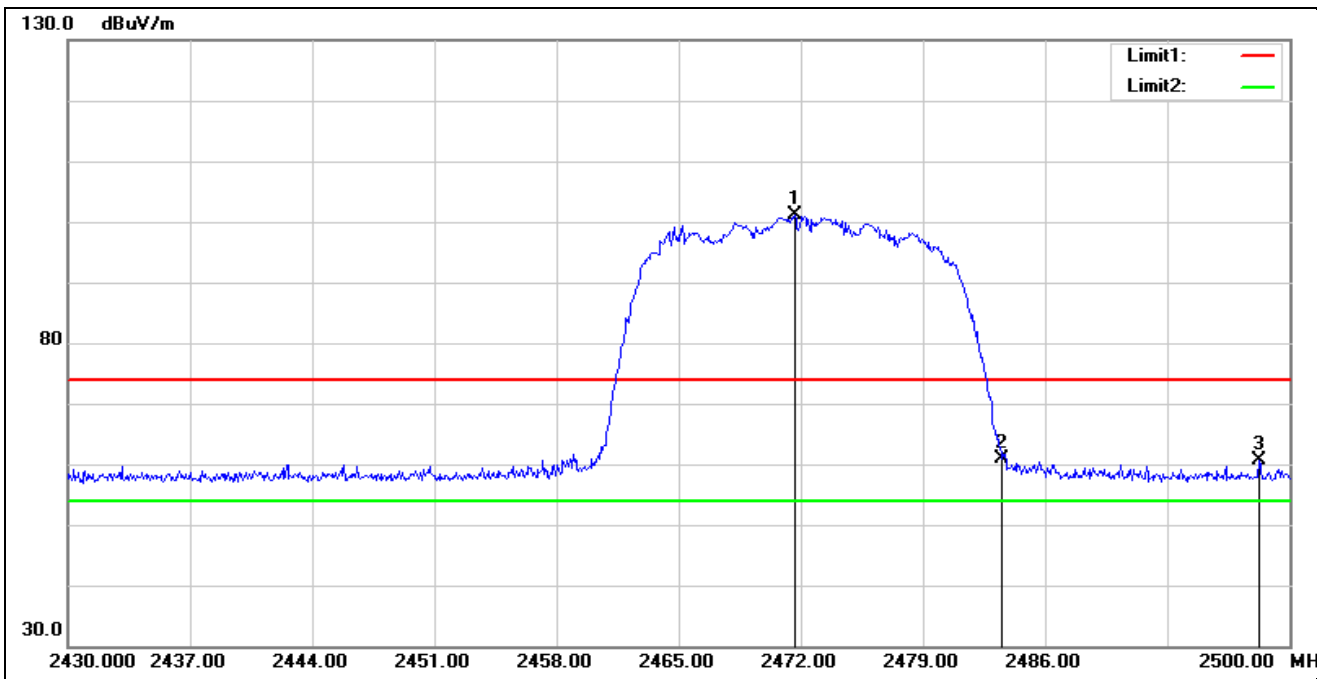
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2467.800	118.22	-6.57	111.65	74.00	37.65	peak
2	2483.500	71.14	-6.57	64.57	74.00	-9.43	peak
3	2485.090	74.41	-6.57	67.84	74.00	-6.16	peak

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2472 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2470.320	104.91	-6.57	98.34	74.00	24.34	peak
2	2483.500	65.82	-6.57	59.25	74.00	-14.75	peak
3	2483.970	66.98	-6.57	60.41	74.00	-13.59	peak

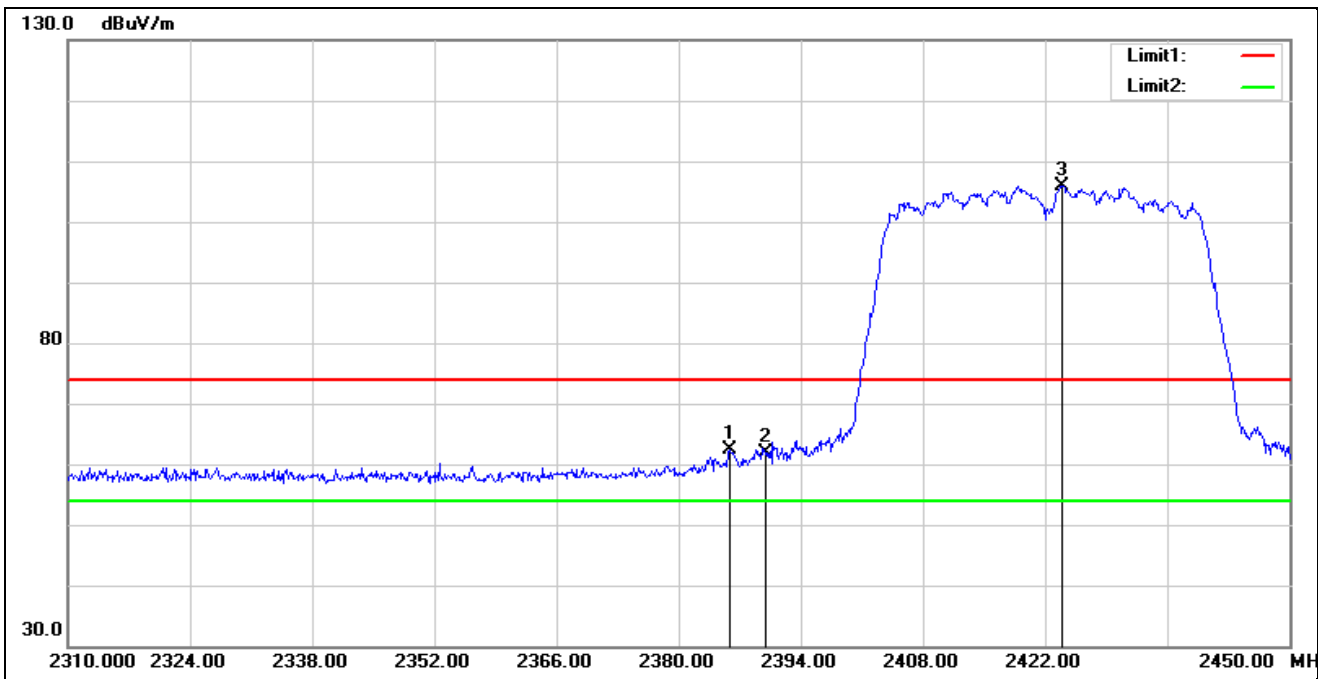
Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2472 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2471.650	107.67	-6.56	101.11	74.00	27.11	peak
2	2483.500	67.48	-6.57	60.91	74.00	-13.09	peak
3	2498.250	67.19	-6.59	60.60	74.00	-13.40	peak

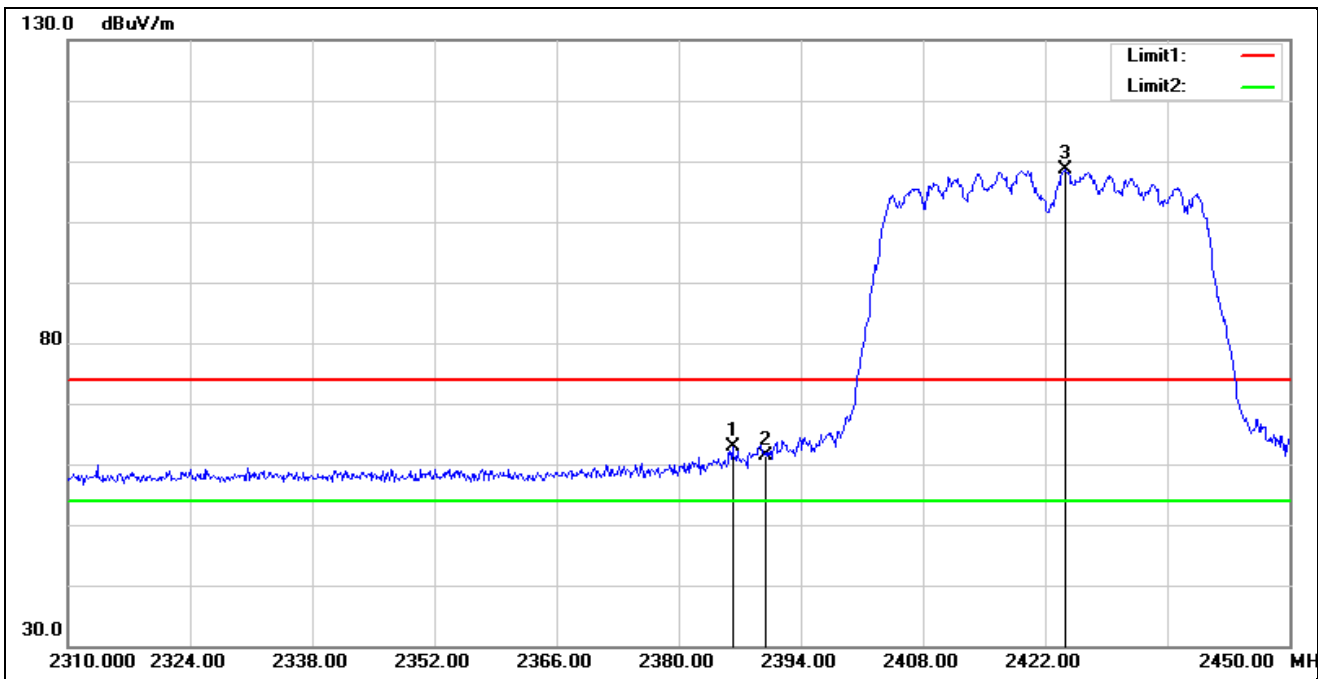


Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT40 2422 MHz		
Remark:			



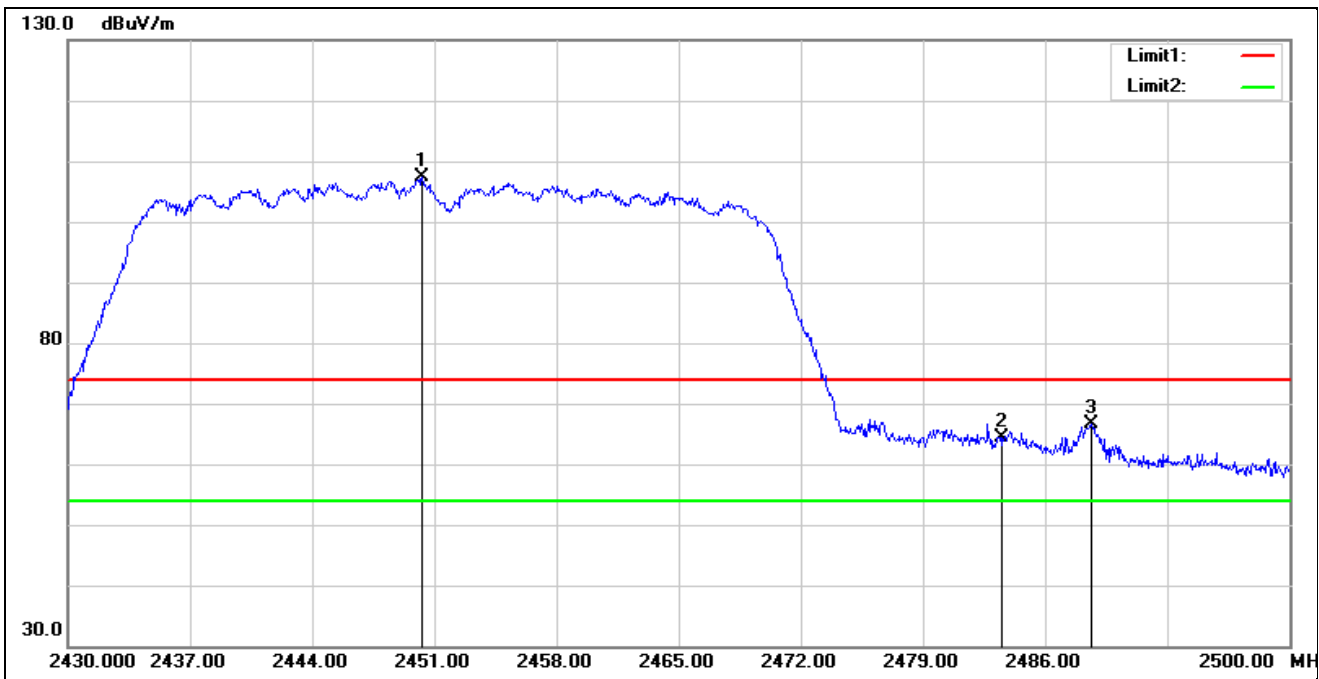
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2385.880	68.97	-6.49	62.48	74.00	-11.52	peak
2	2390.000	68.30	-6.50	61.80	74.00	-12.20	peak
3*	2423.960	112.39	-6.53	105.86	74.00	31.86	peak

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT40 2422 MHz		
Remark:			



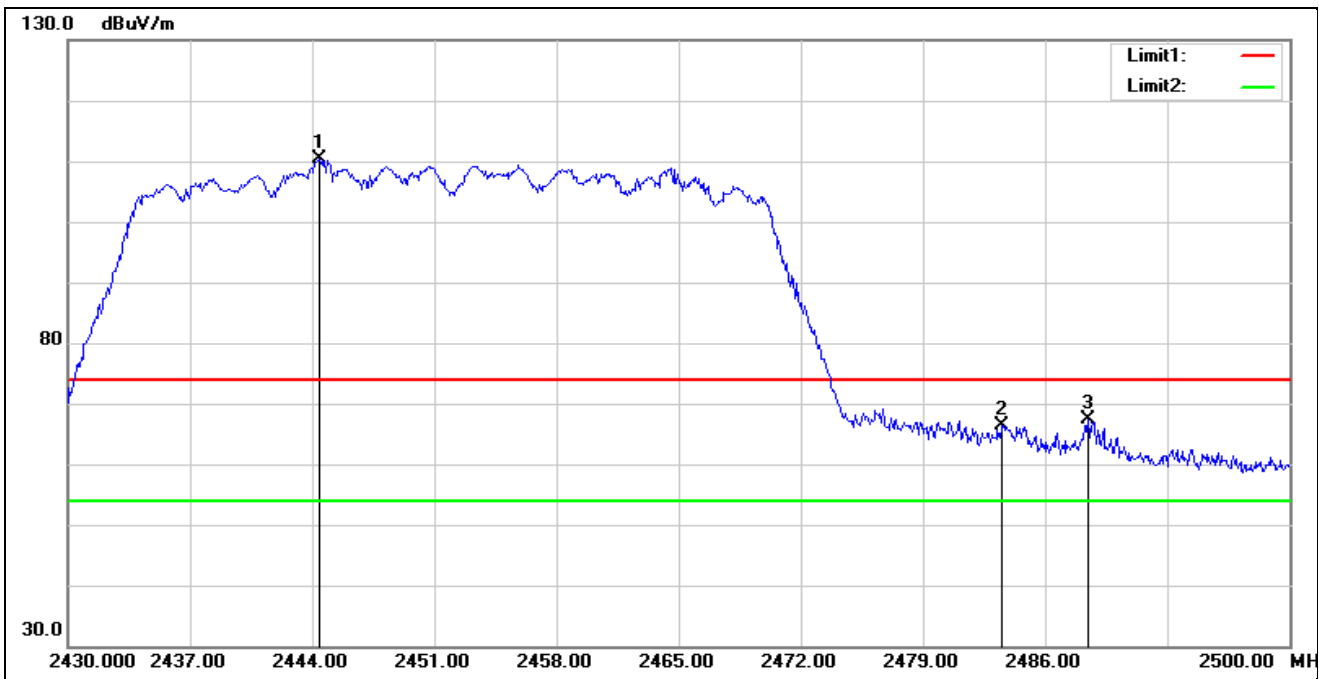
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2386.160	69.29	-6.49	62.80	74.00	-11.20	peak
2	2390.000	67.82	-6.50	61.32	74.00	-12.68	peak
3*	2424.240	115.04	-6.53	108.51	74.00	34.51	peak

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT40 2452 MHz		
Remark:			



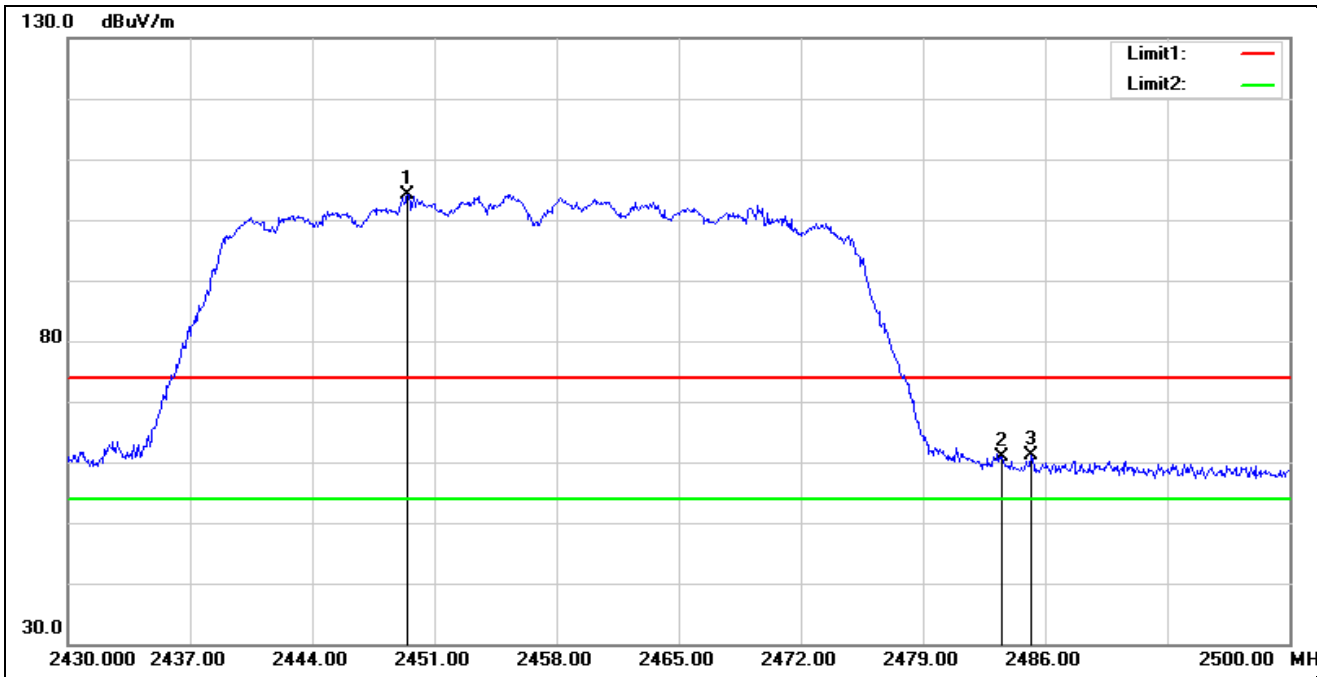
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2450.300	113.80	-6.54	107.26	74.00	33.26	peak
2	2483.500	70.94	-6.57	64.37	74.00	-9.63	peak
3	2488.660	73.16	-6.58	66.58	74.00	-7.42	peak

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT40 2452 MHz		
Remark:			



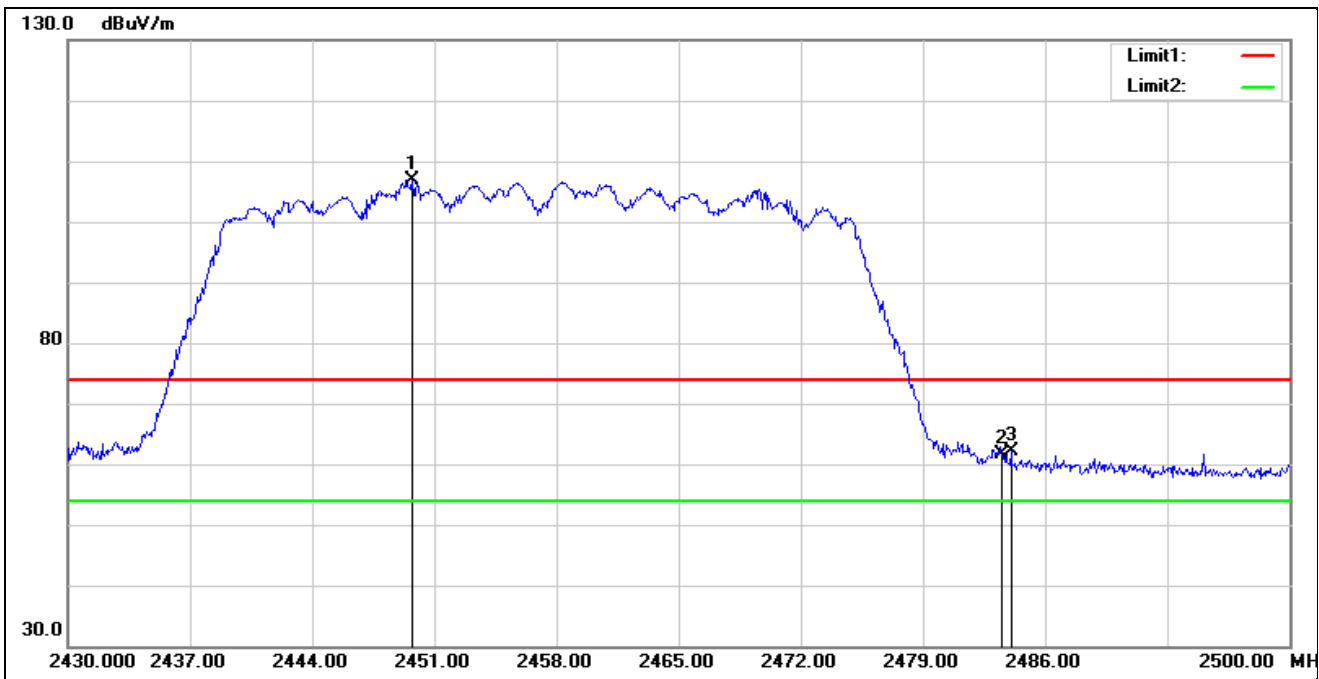
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2444.420	116.80	-6.54	110.26	74.00	36.26	peak
2	2483.500	72.84	-6.57	66.27	74.00	-7.73	peak
3	2488.450	73.97	-6.58	67.39	74.00	-6.61	peak

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT40 2457 MHz		
Remark:			



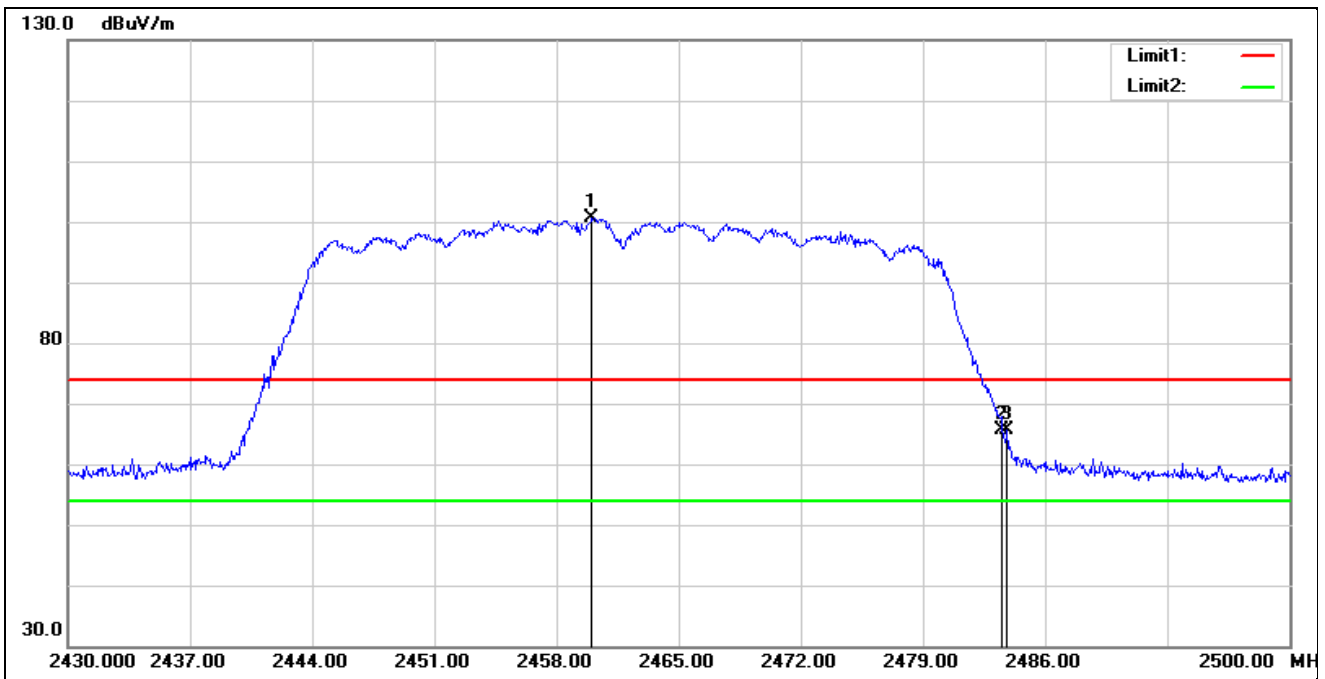
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2449.460	110.70	-6.54	104.16	74.00	30.16	peak
2	2483.500	67.46	-6.57	60.89	74.00	-13.11	peak
3	2485.160	67.59	-6.57	61.02	74.00	-12.98	peak

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT40 2457 MHz		
Remark:			



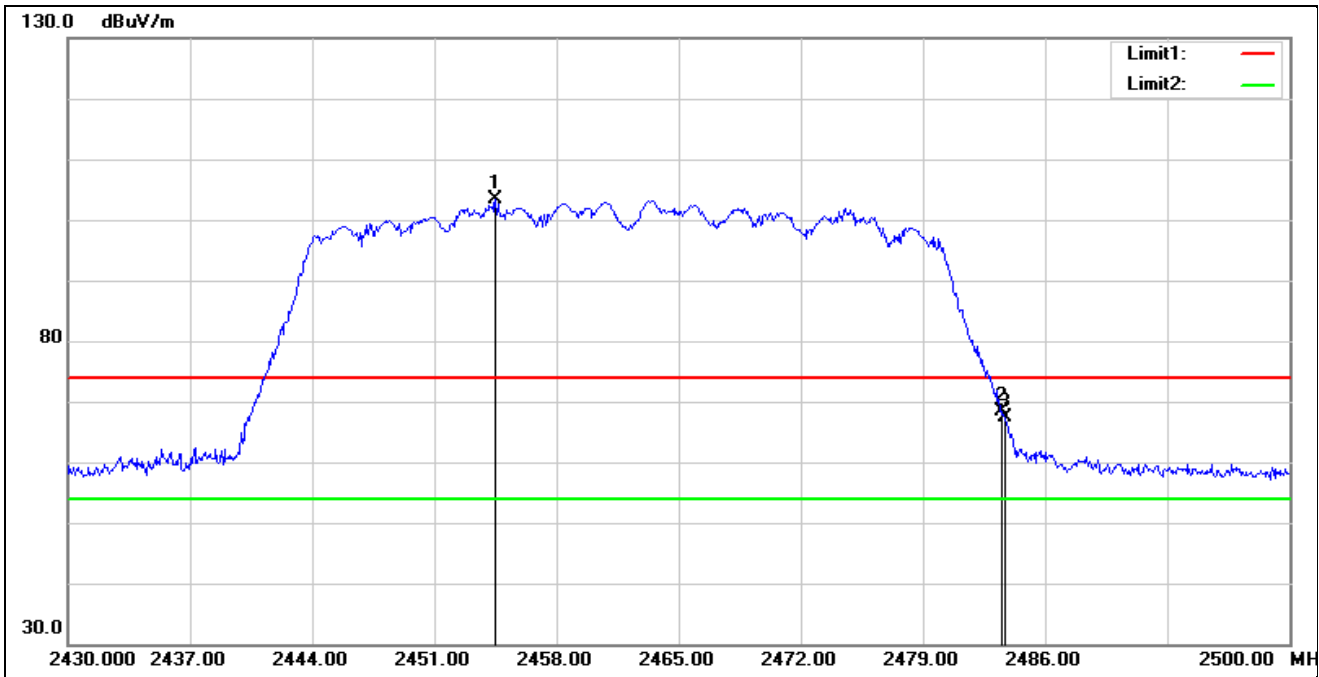
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2449.740	113.48	-6.54	106.94	74.00	32.94	peak
2	2483.500	68.25	-6.57	61.68	74.00	-12.32	peak
3	2484.040	68.60	-6.57	62.03	74.00	-11.97	peak

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT40 2462 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2460.030	107.20	-6.56	100.64	74.00	26.64	peak
2	2483.500	72.09	-6.57	65.52	74.00	-8.48	peak
3	2483.830	72.22	-6.57	65.65	74.00	-8.35	peak

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT40 2462 MHz		
Remark:			

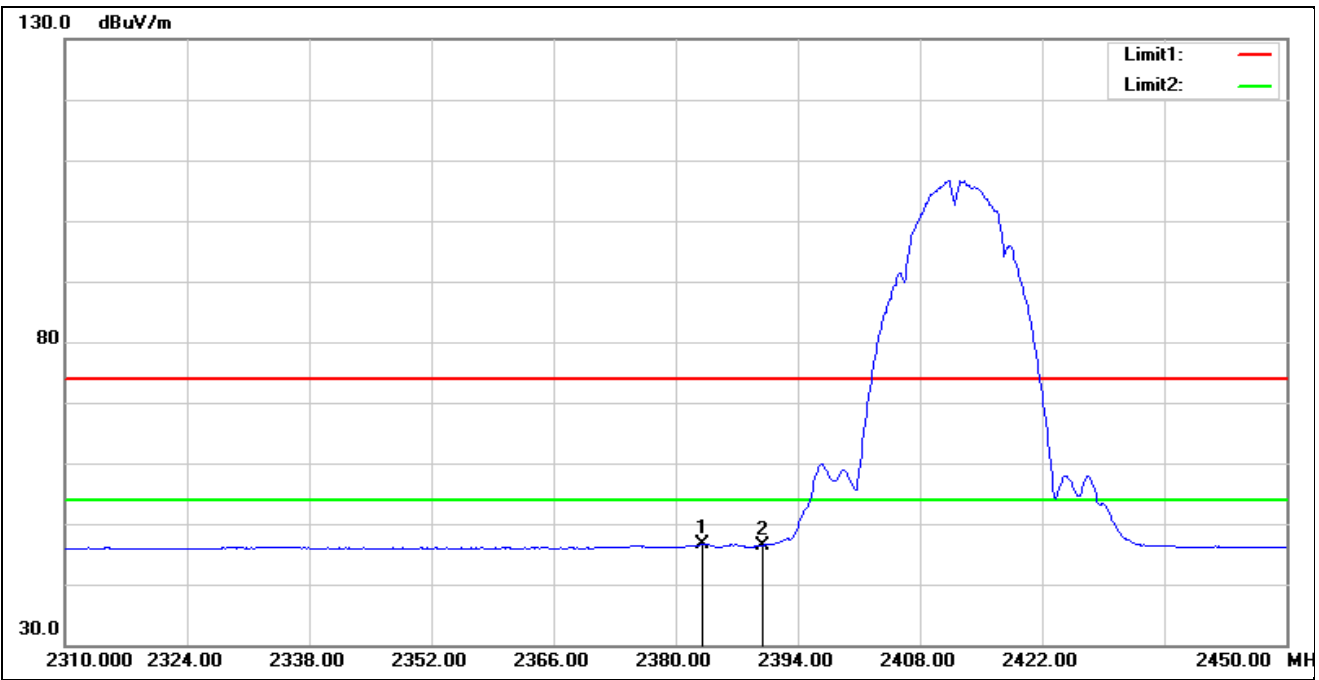


No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2454.500	110.00	-6.55	103.45	74.00	29.45	peak
2	2483.500	74.90	-6.57	68.33	74.00	-5.67	peak
3	2483.690	74.05	-6.57	67.48	74.00	-6.52	peak



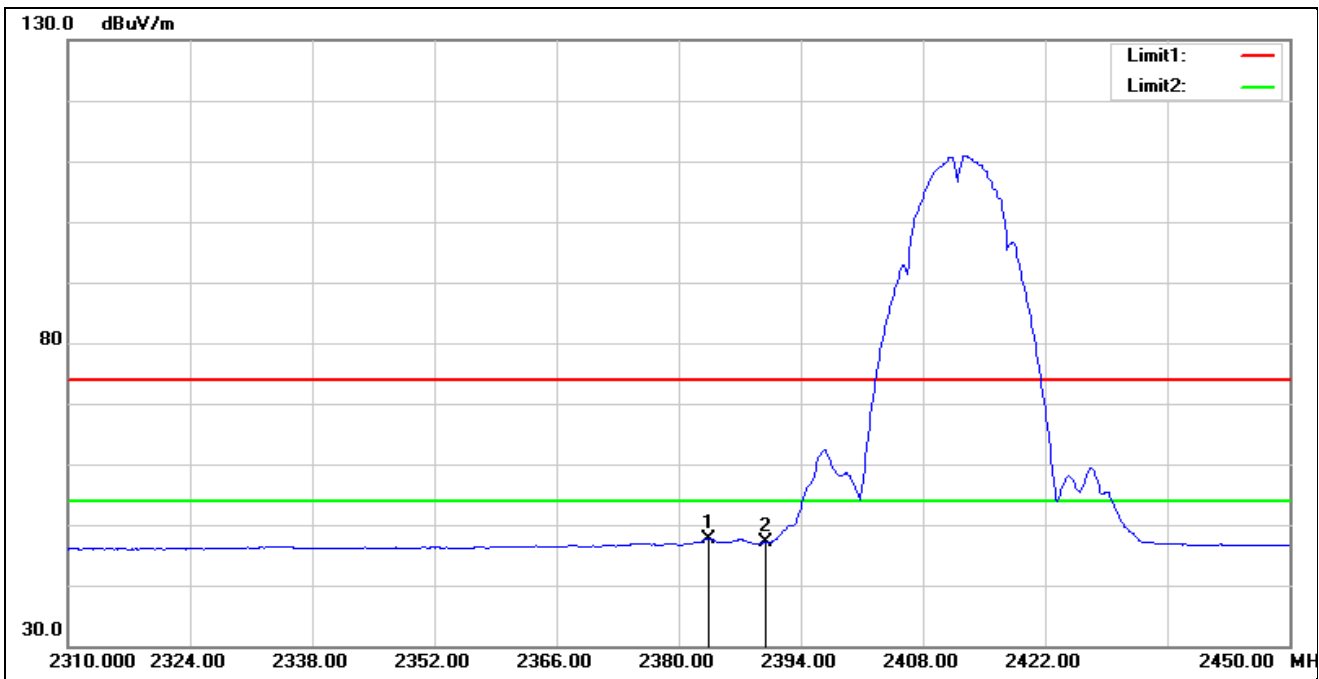
Average

Standard: Part 15.247 / RSS-247      Test Site: 966 Chamber  
 Polarization: Horizontal  
 Test Mode: 802.11b 2412 MHz  
 Remark:



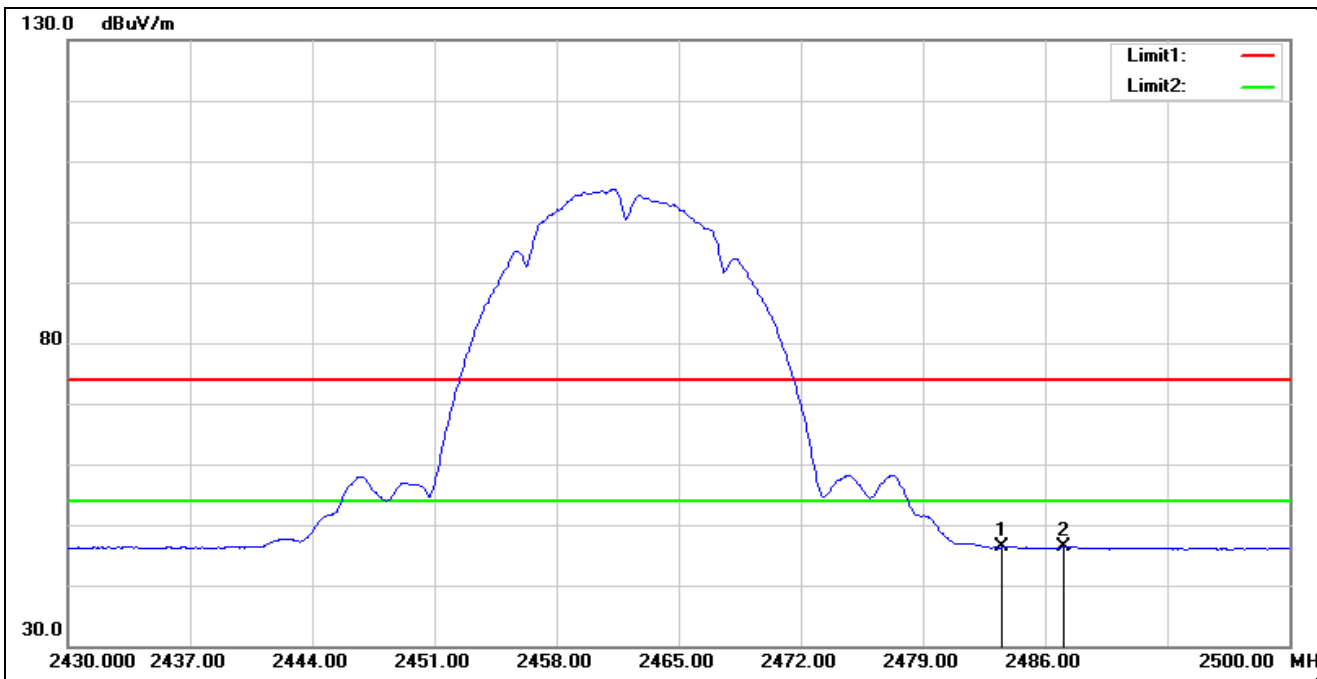
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2383.080	53.11	-6.49	46.62	54.00	-7.38	AVG
2	2390.000	52.98	-6.50	46.48	54.00	-7.52	AVG

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11b 2412 MHz		
Remark:			



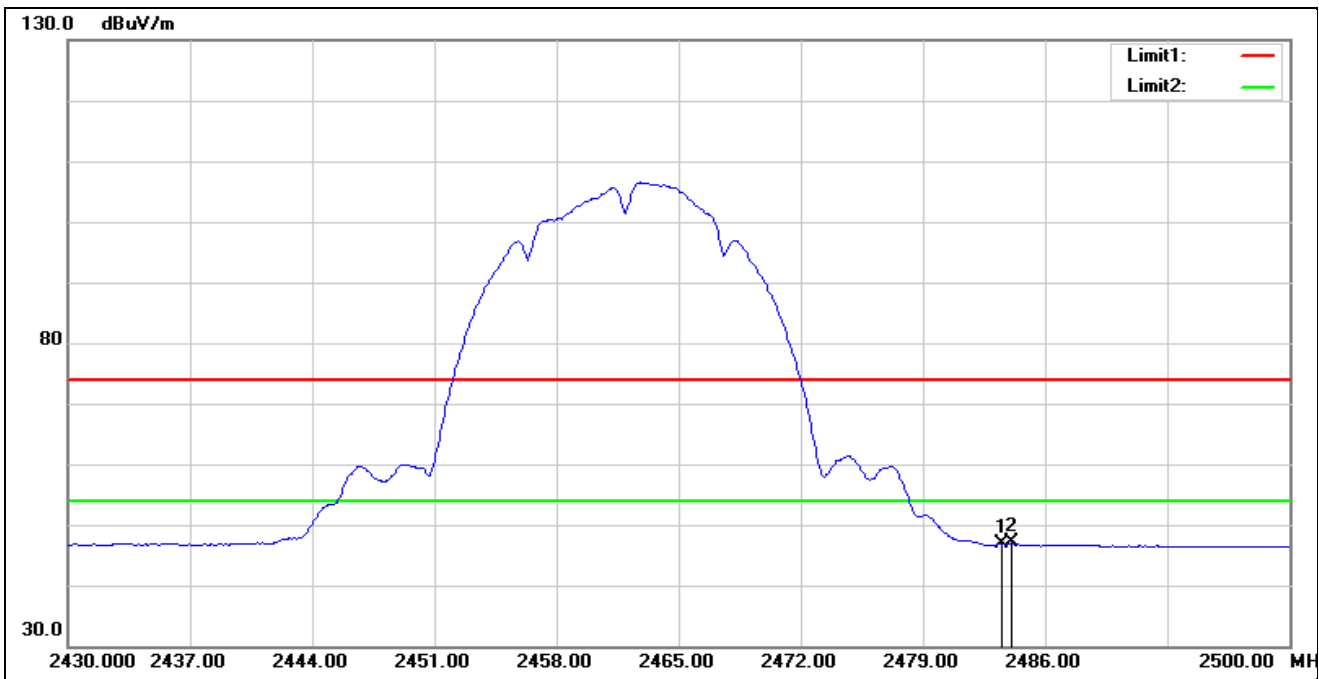
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2383.360	54.21	-6.49	47.72	54.00	-6.28	AVG
2	2390.000	53.55	-6.50	47.05	54.00	-6.95	AVG

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11b 2462 MHz		
Remark:			



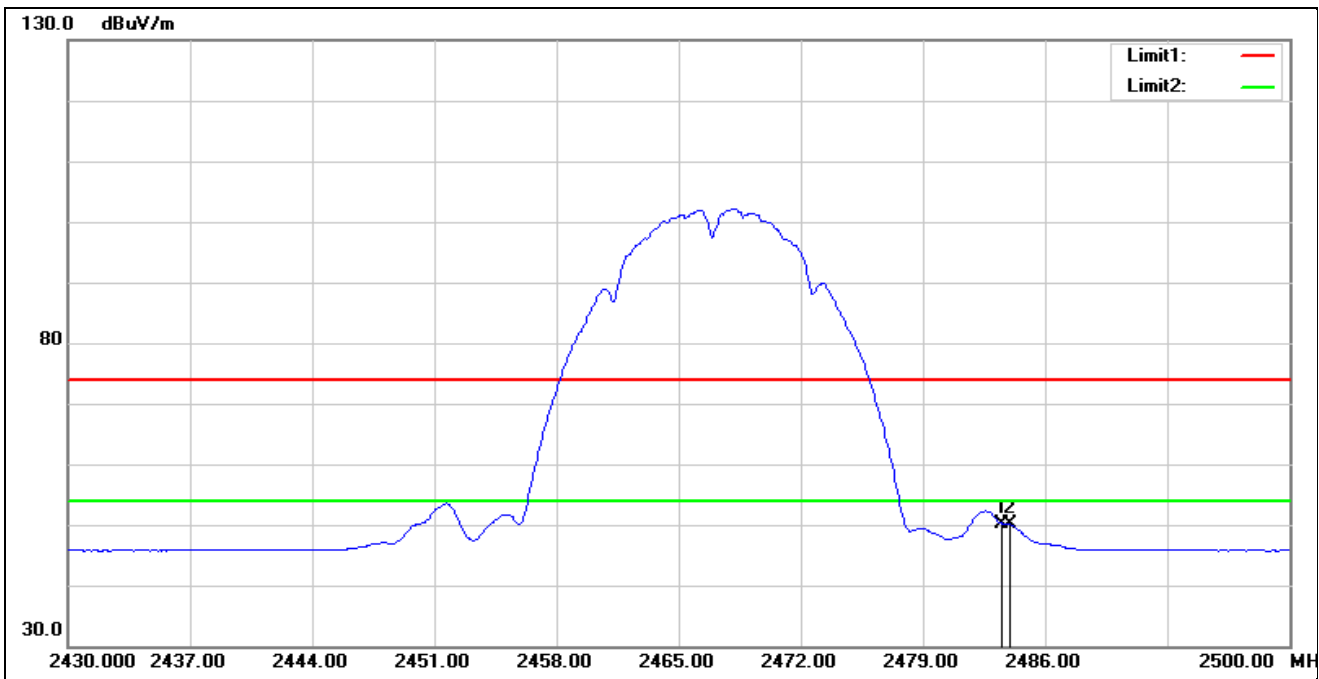
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2483.500	52.94	-6.57	46.37	54.00	-7.63	AVG
2	2487.050	52.94	-6.57	46.37	54.00	-7.63	AVG

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11b 2462 MHz		
Remark:			



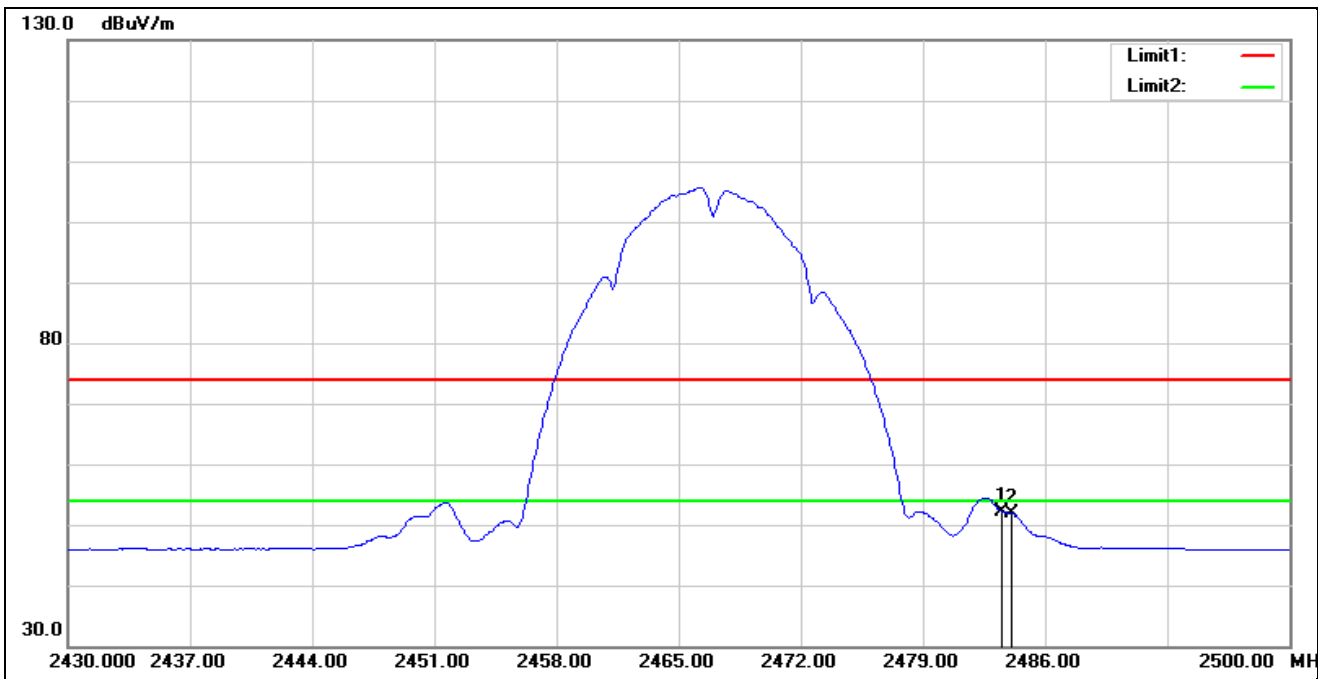
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	53.40	-6.57	46.83	54.00	-7.17	AVG
2*	2484.110	53.58	-6.57	47.01	54.00	-6.99	AVG

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11b 2467 MHz		
Remark:			



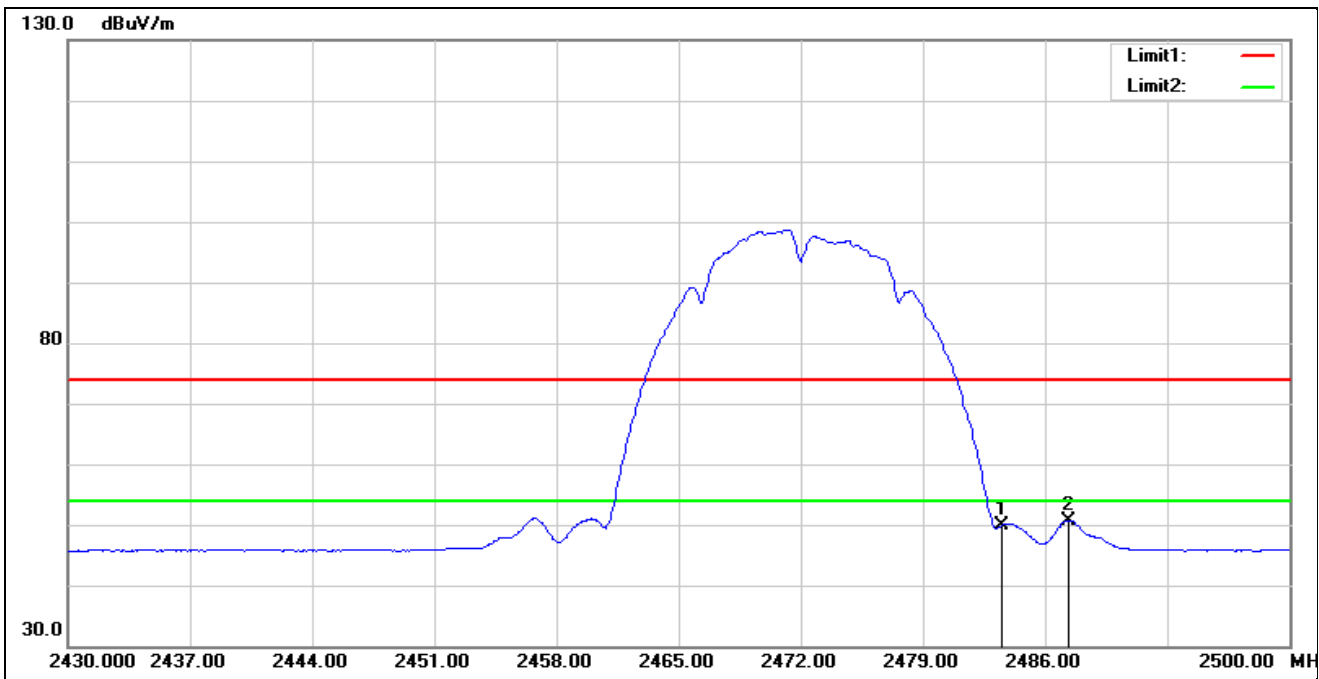
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2483.500	56.79	-6.57	50.22	54.00	-3.78	AVG
2	2483.970	56.62	-6.57	50.05	54.00	-3.95	AVG

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11b 2467 MHz		
Remark:			



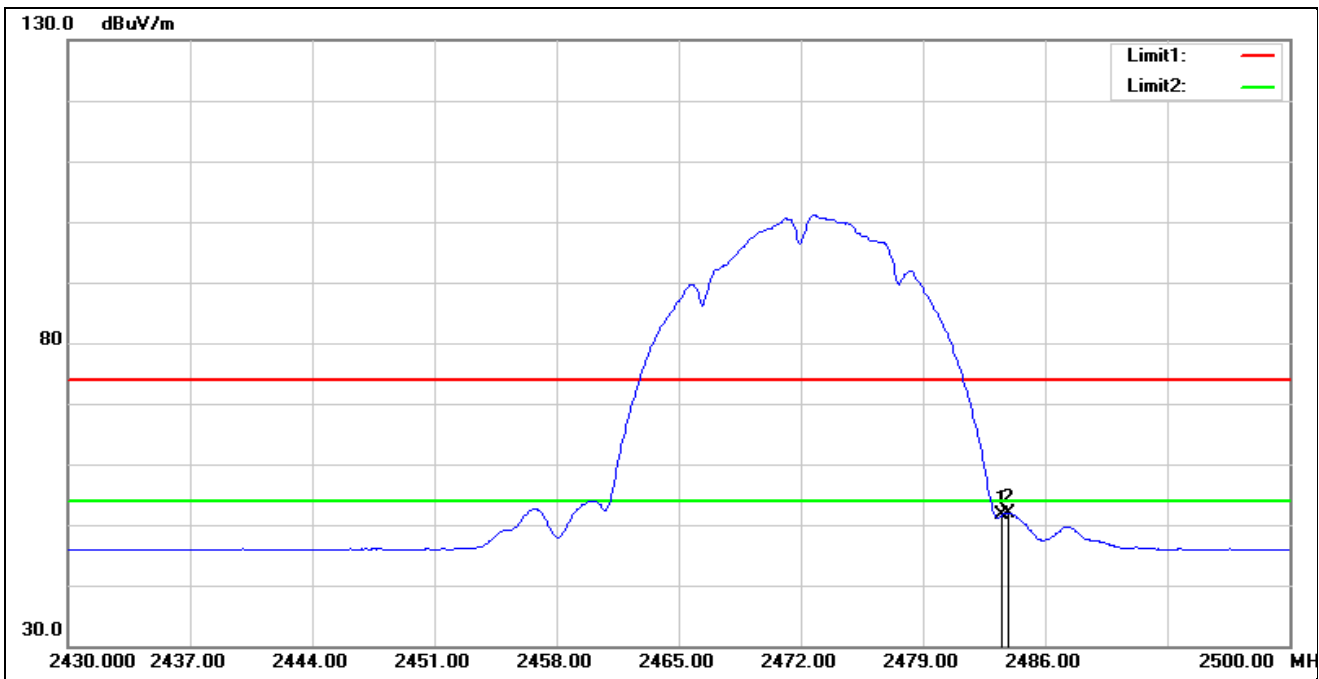
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2483.500	58.73	-6.57	52.16	54.00	-1.84	AVG
2	2484.040	58.57	-6.57	52.00	54.00	-2.00	AVG

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11b 2472 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	56.49	-6.57	49.92	54.00	-4.08	AVG
2*	2487.330	57.32	-6.57	50.75	54.00	-3.25	AVG

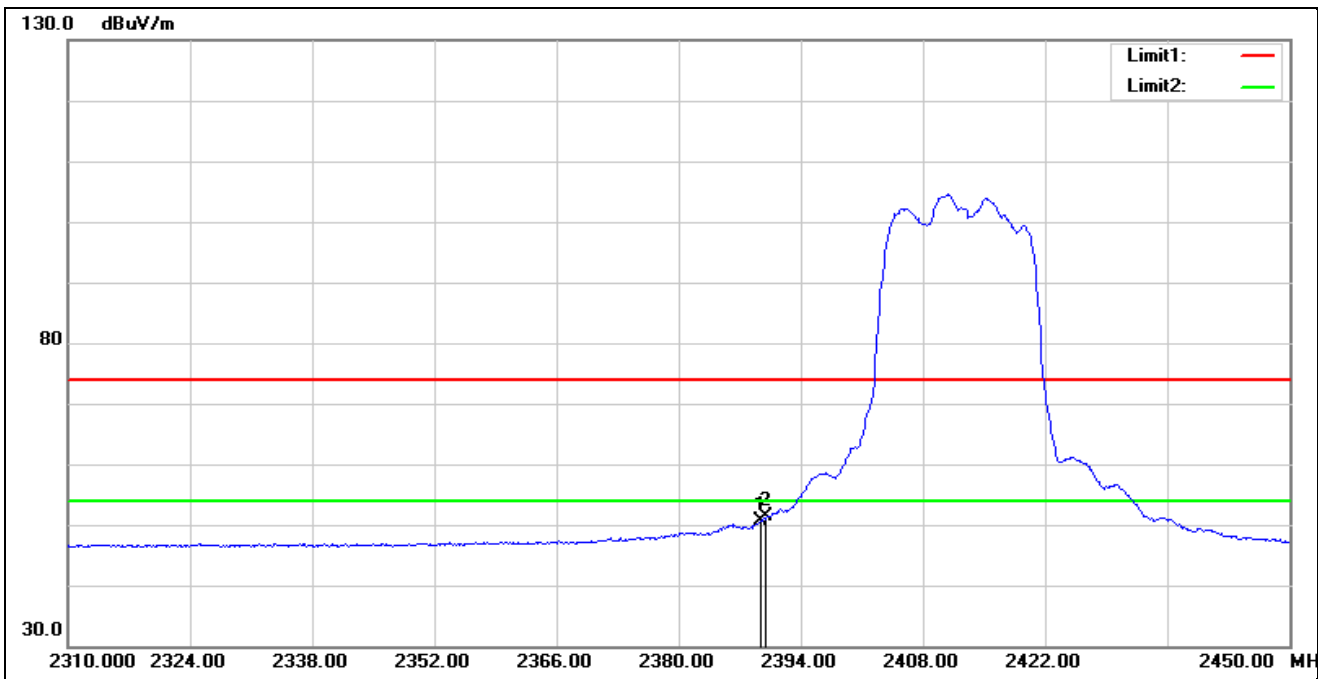
Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11b 2472 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	58.26	-6.57	51.69	54.00	-2.31	AVG
2*	2483.900	58.56	-6.57	51.99	54.00	-2.01	AVG

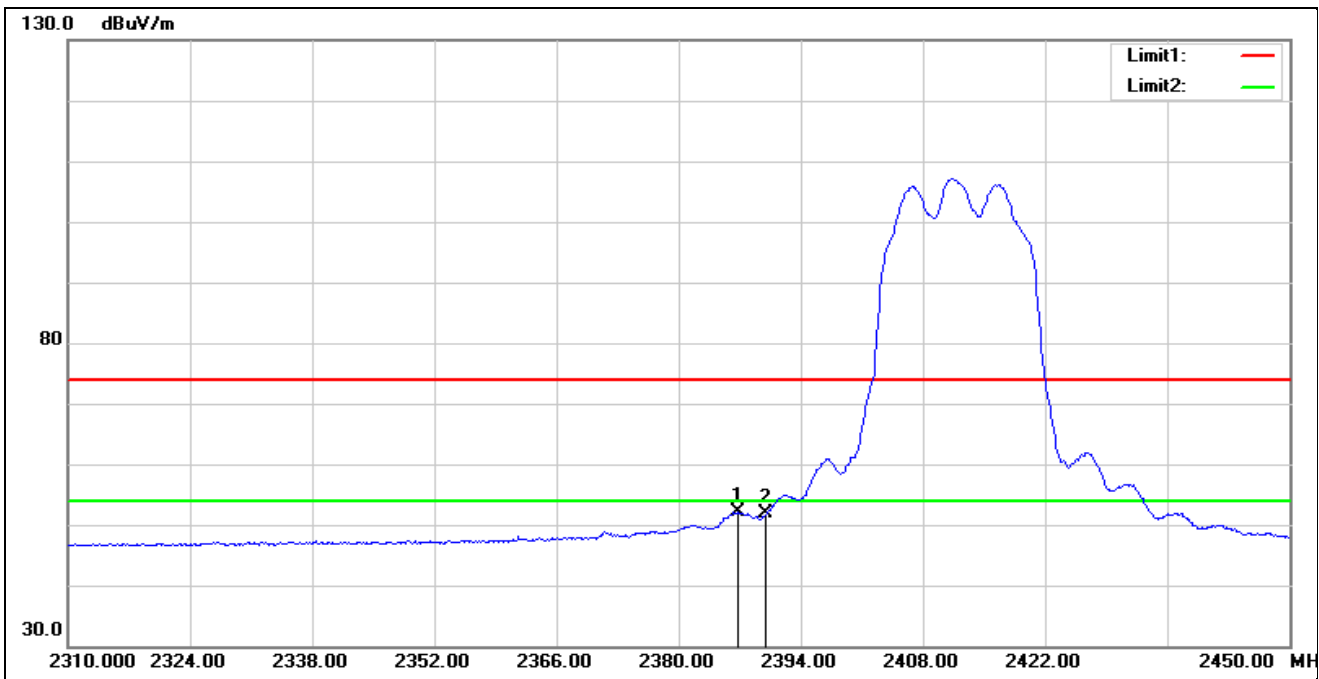


Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2412 MHz		
Remark:			



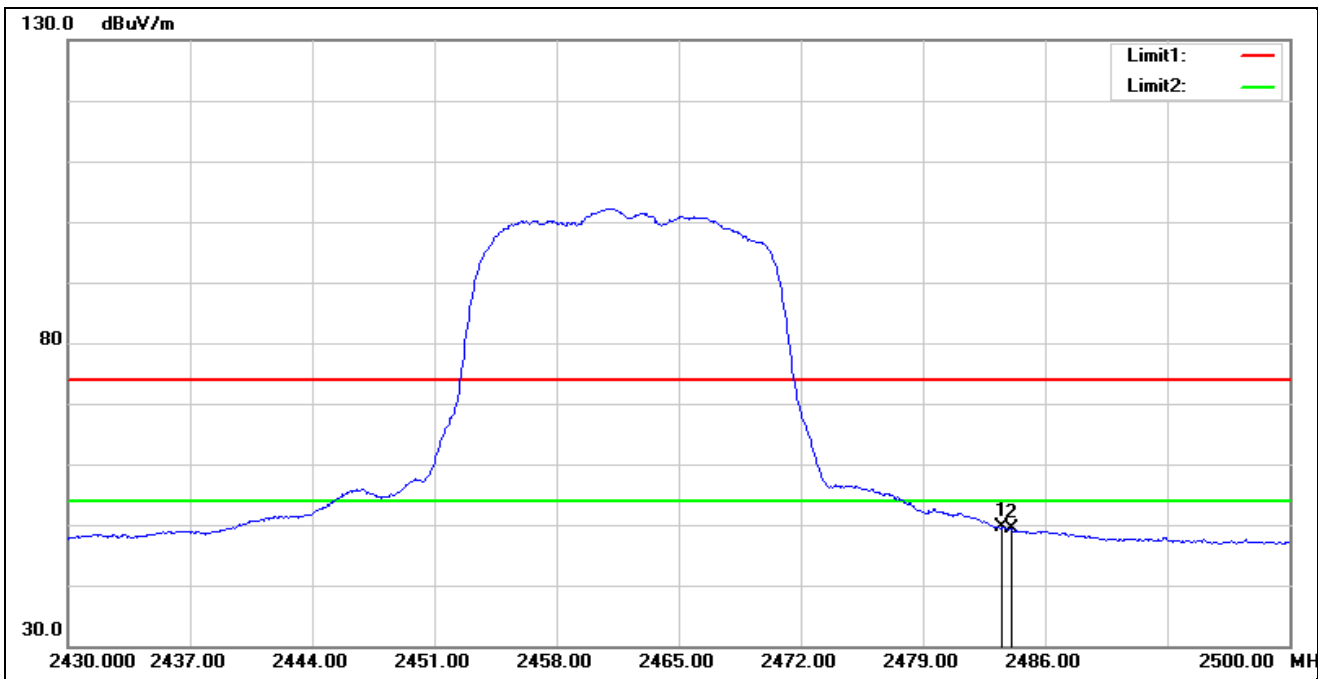
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.380	57.04	-6.50	50.54	54.00	-3.46	AVG
2*	2390.000	57.79	-6.50	51.29	54.00	-2.71	AVG

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2412 MHz		
Remark:			



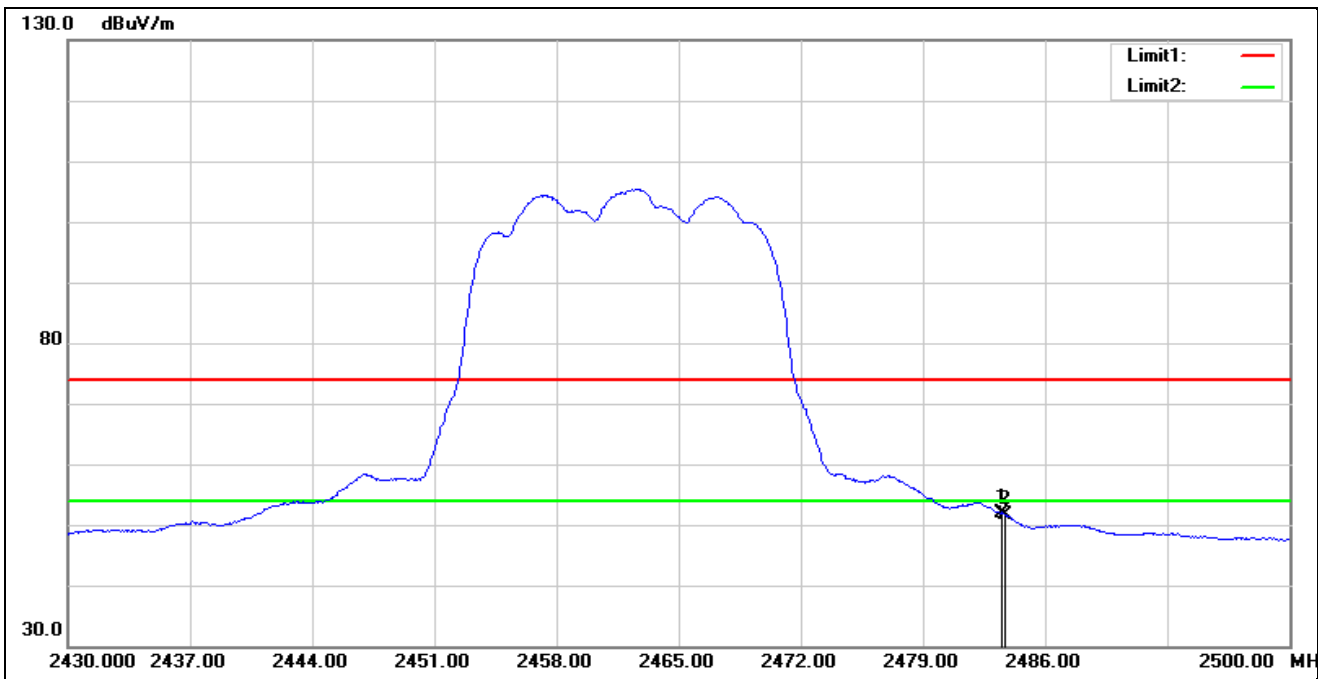
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2386.860	58.62	-6.49	52.13	54.00	-1.87	AVG
2	2390.000	58.45	-6.50	51.95	54.00	-2.05	AVG

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2462 MHz		
Remark:			



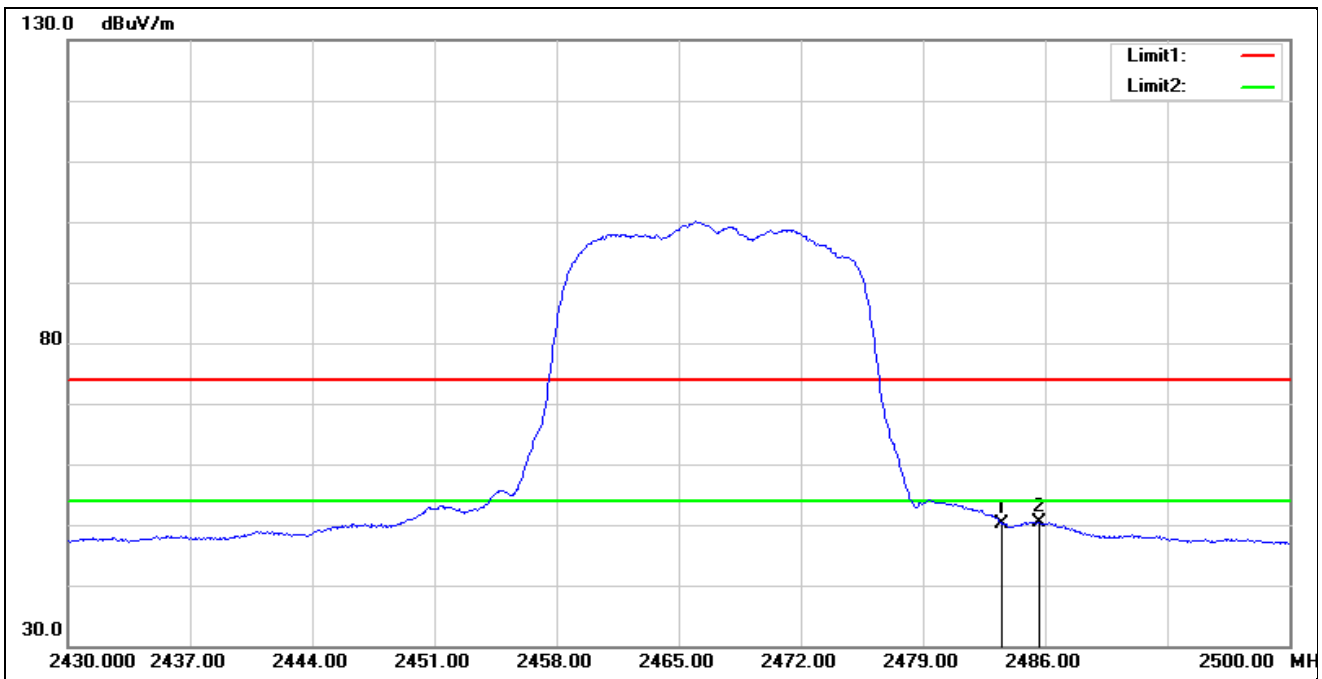
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2483.500	56.08	-6.57	49.51	54.00	-4.49	AVG
2	2484.040	55.97	-6.57	49.40	54.00	-4.60	AVG

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2462 MHz		
Remark:			



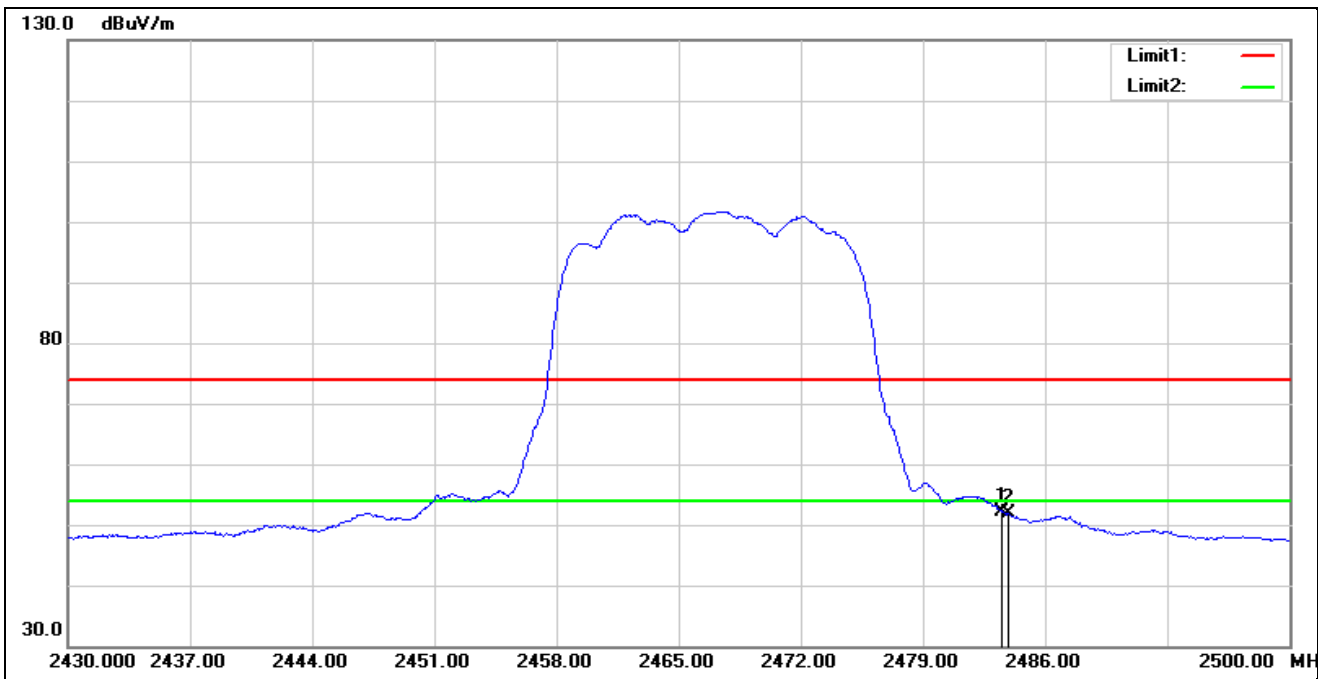
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2483.500	58.50	-6.57	51.93	54.00	-2.07	AVG
2	2483.690	58.22	-6.57	51.65	54.00	-2.35	AVG

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2467 MHz		
Remark:			



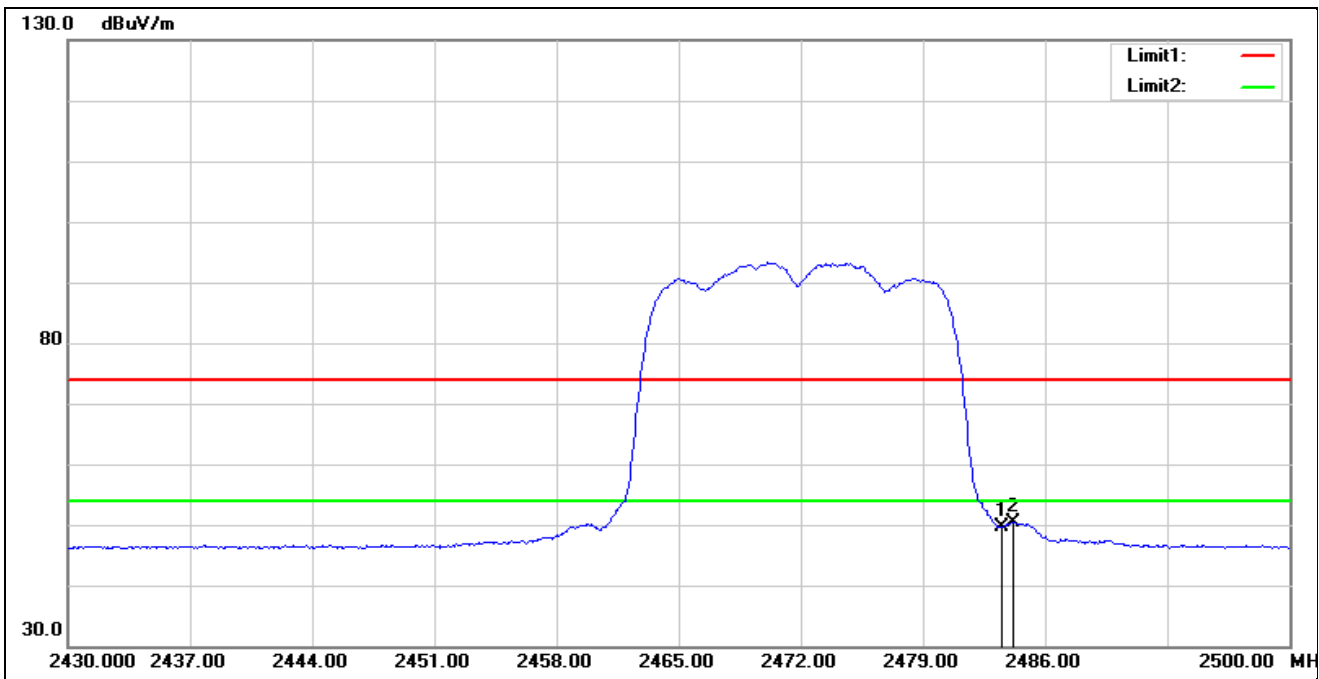
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	56.80	-6.57	50.23	54.00	-3.77	AVG
2*	2485.650	56.96	-6.57	50.39	54.00	-3.61	AVG

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2467 MHz		
Remark:			



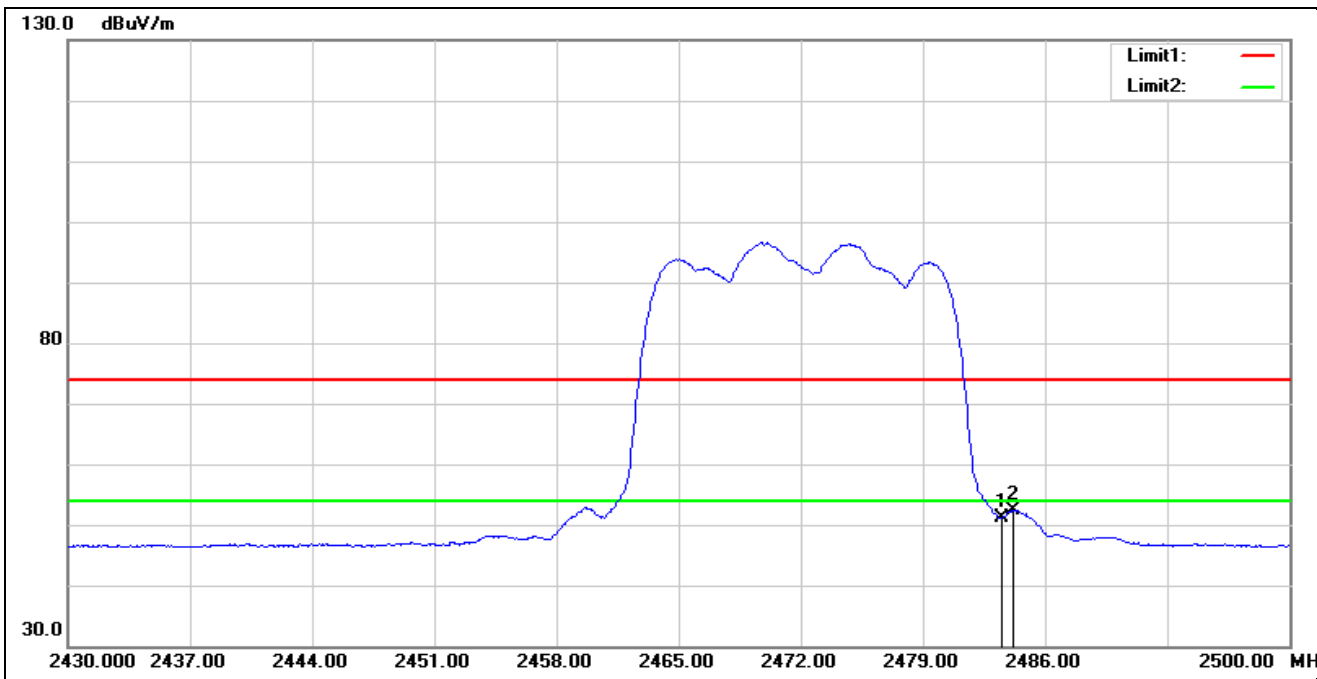
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2483.500	58.79	-6.57	52.22	54.00	-1.78	AVG
2	2483.900	58.45	-6.57	51.88	54.00	-2.12	AVG

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11g 2472 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	56.17	-6.57	49.60	54.00	-4.40	AVG
2*	2484.180	56.89	-6.57	50.32	54.00	-3.68	AVG

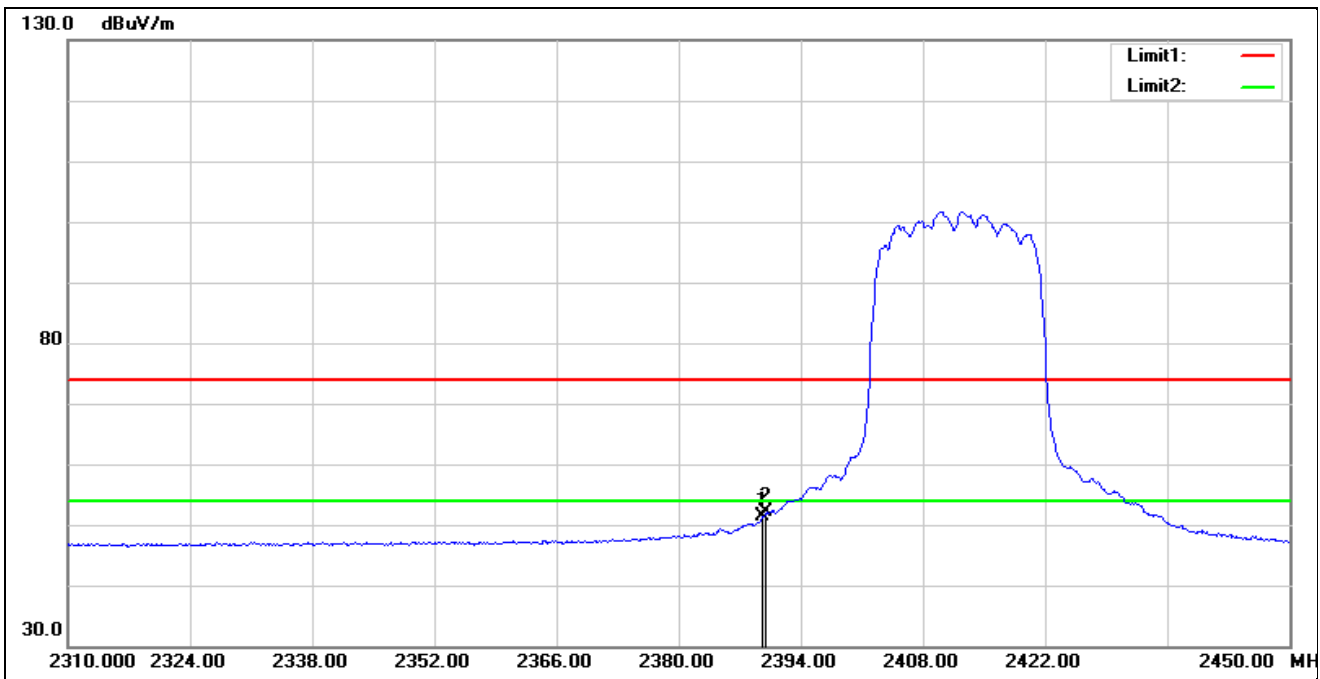
Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11g 2472 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	57.70	-6.57	51.13	54.00	-2.87	AVG
2*	2484.180	58.96	-6.57	52.39	54.00	-1.61	AVG

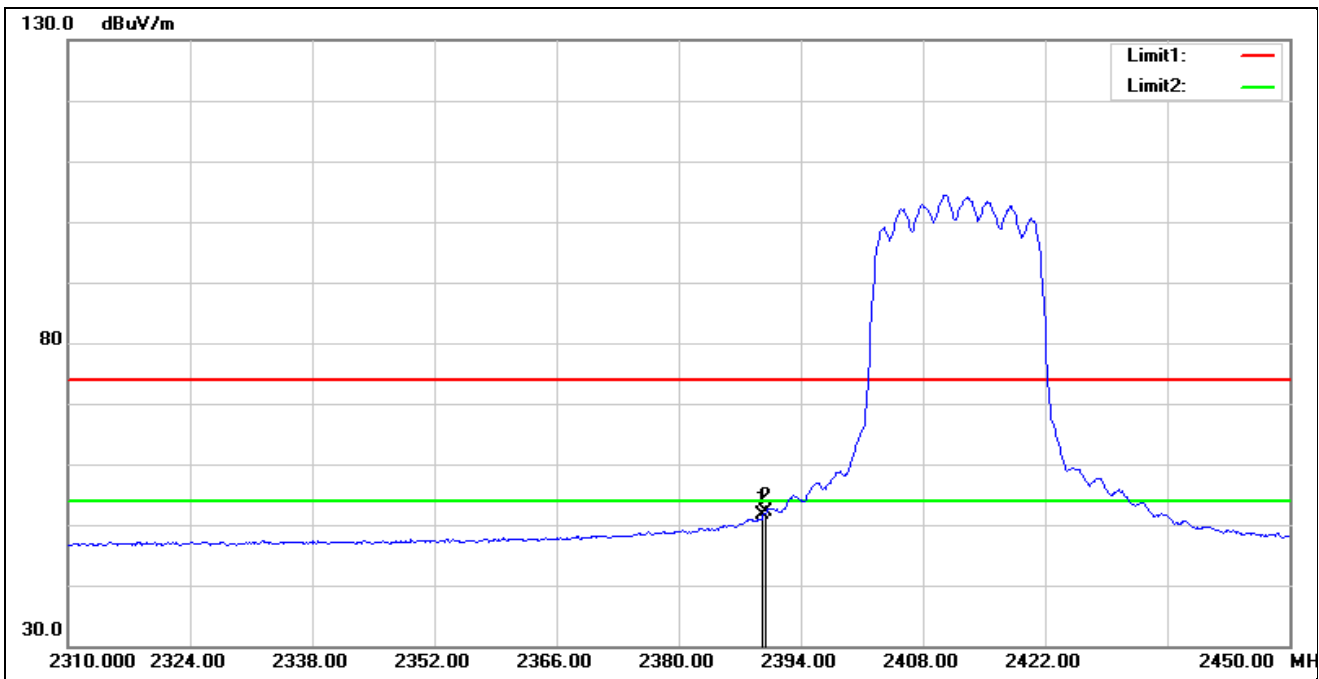


Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2412 MHz		
Remark:			



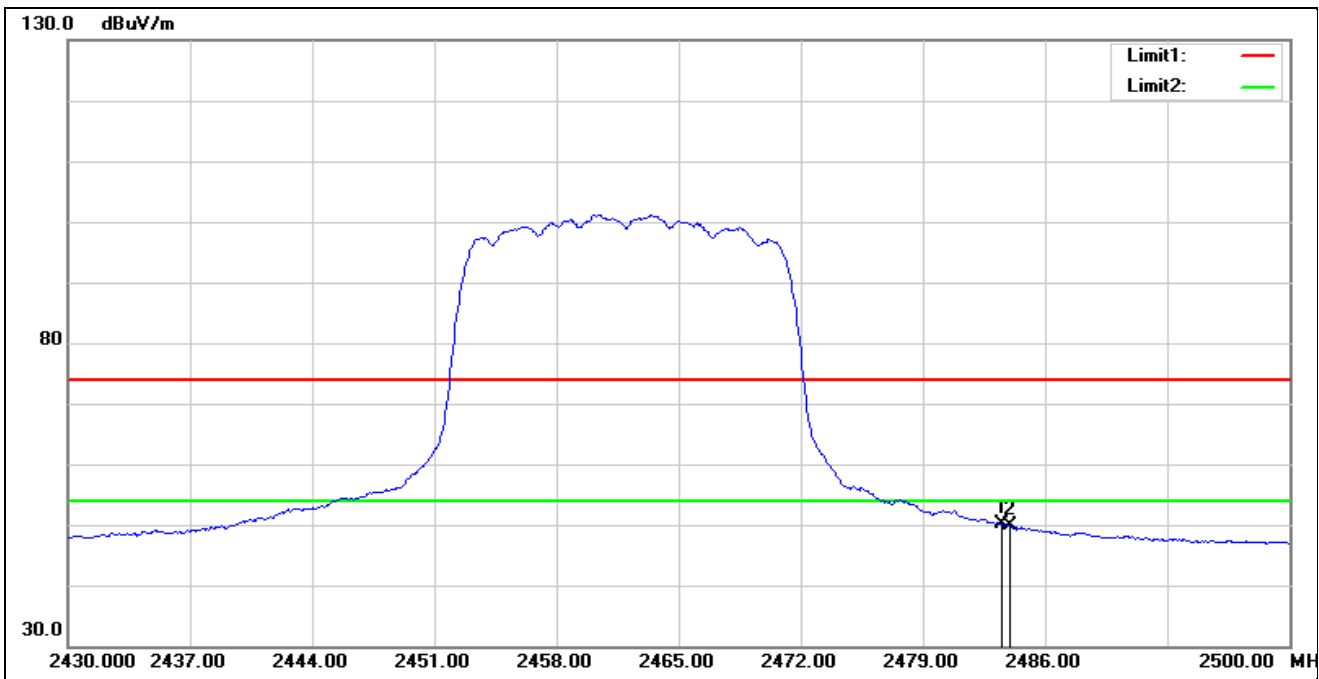
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.660	57.84	-6.50	51.34	54.00	-2.66	AVG
2*	2390.000	58.51	-6.50	52.01	54.00	-1.99	AVG

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2412 MHz		
Remark:			



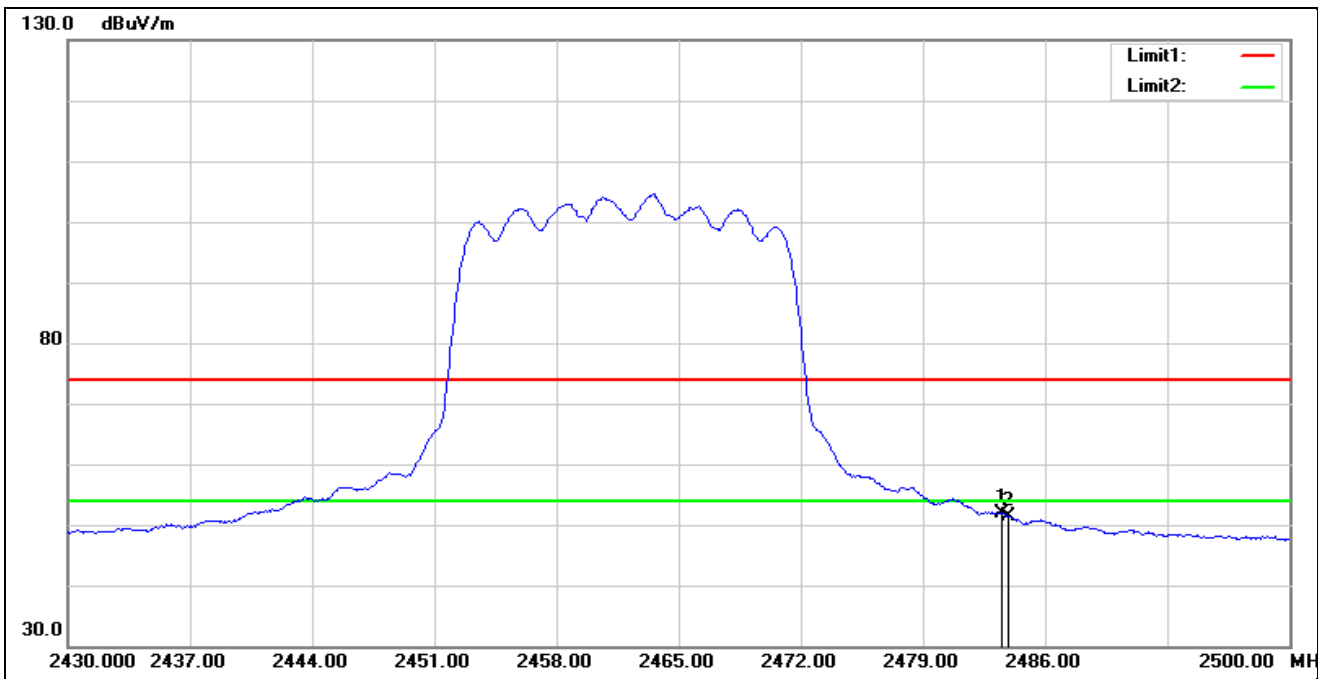
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.660	58.06	-6.50	51.56	54.00	-2.44	AVG
2*	2390.000	58.69	-6.50	52.19	54.00	-1.81	AVG

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2462 MHz		
Remark:			



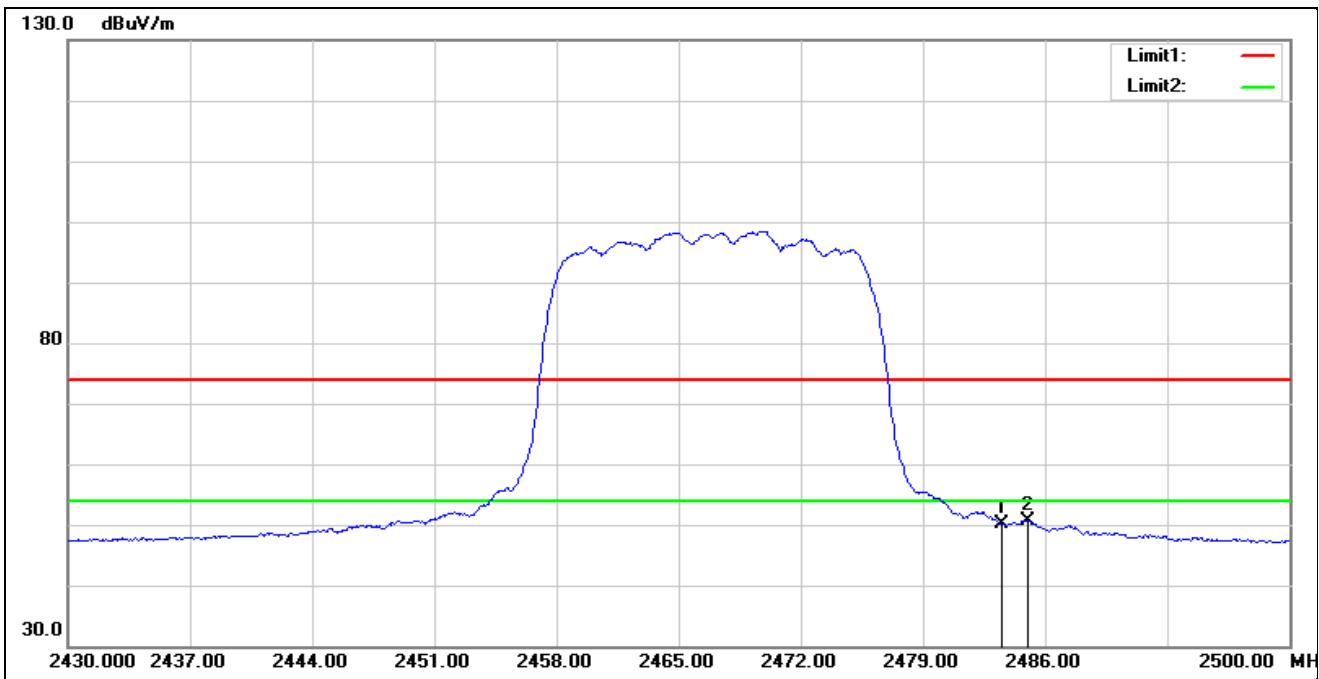
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2483.500	56.68	-6.57	50.11	54.00	-3.89	AVG
2	2483.970	56.47	-6.57	49.90	54.00	-4.10	AVG

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2462 MHz		
Remark:			



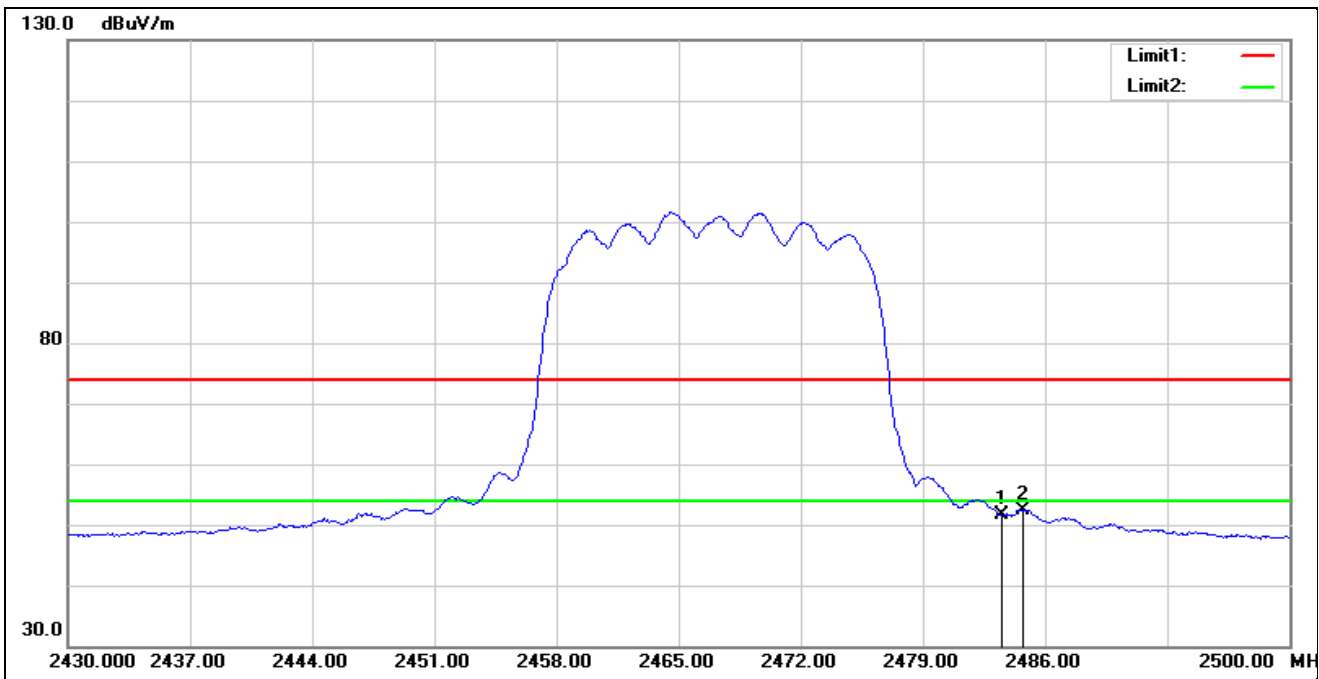
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2483.500	58.54	-6.57	51.97	54.00	-2.03	AVG
2	2483.900	57.98	-6.57	51.41	54.00	-2.59	AVG

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2467 MHz		
Remark:			



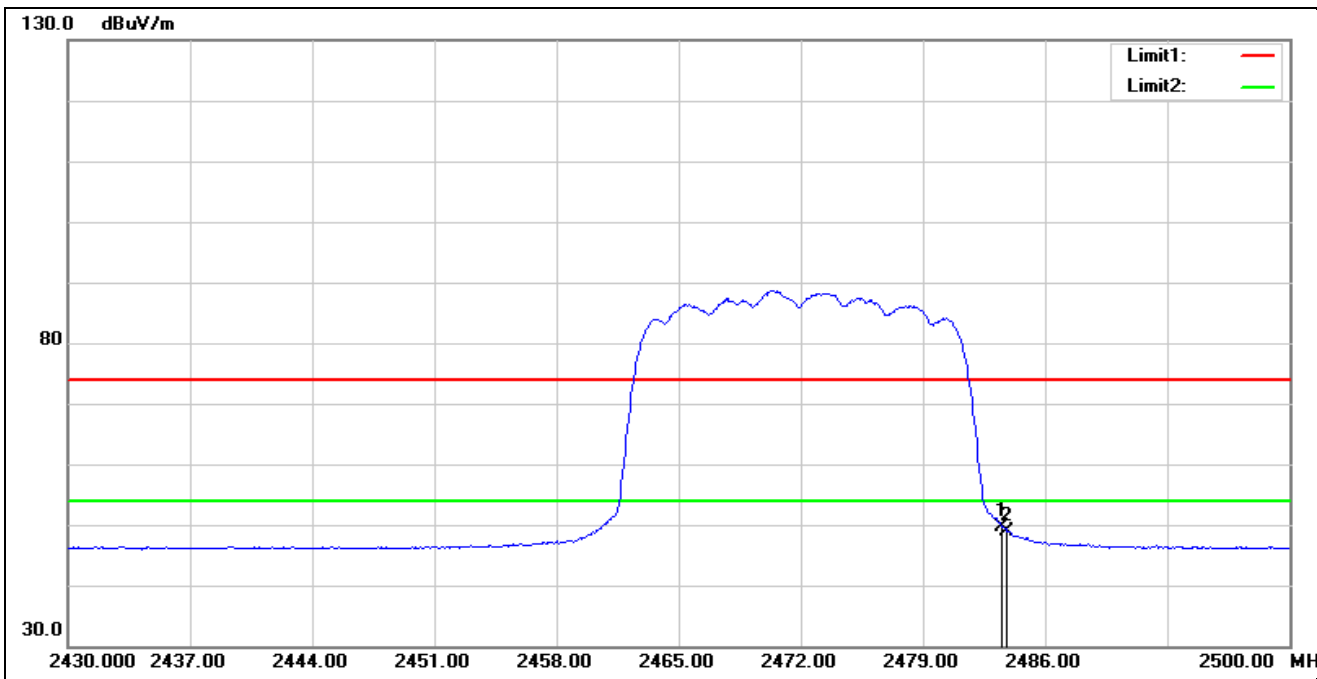
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	56.70	-6.57	50.13	54.00	-3.87	AVG
2*	2485.020	57.25	-6.57	50.68	54.00	-3.32	AVG

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2467 MHz		
Remark:			



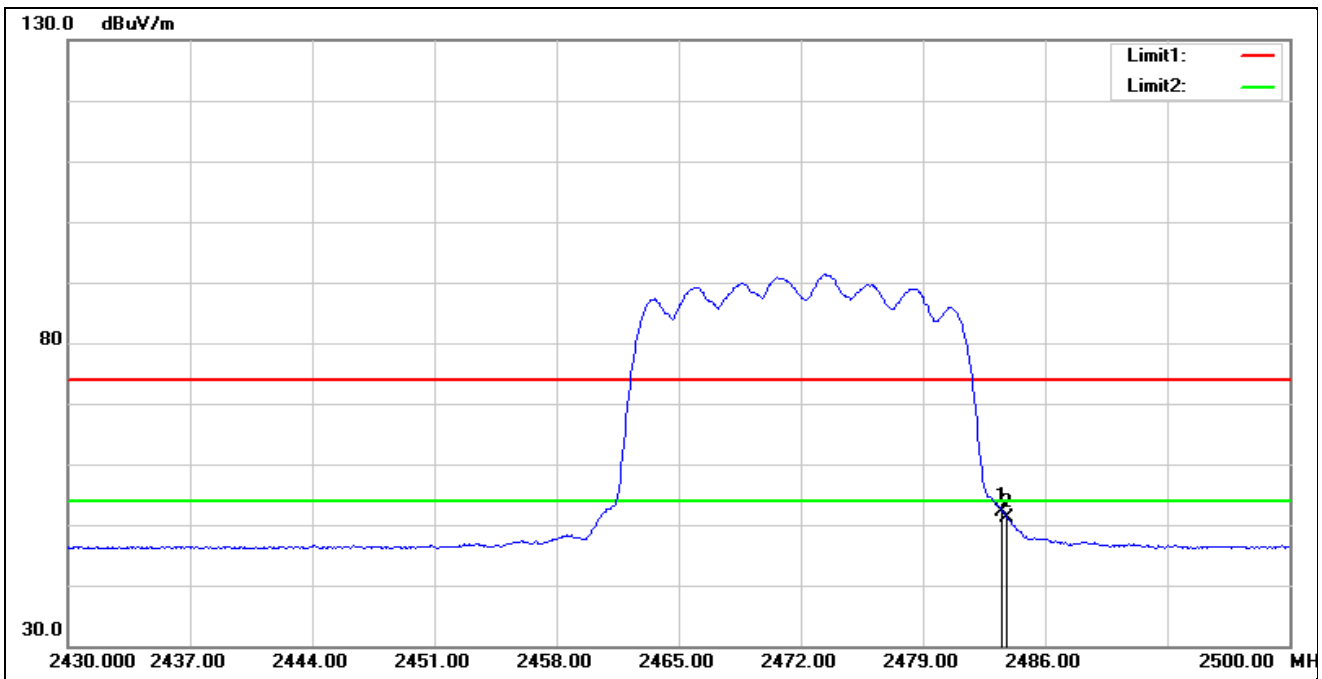
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	58.13	-6.57	51.56	54.00	-2.44	AVG
2*	2484.740	59.02	-6.57	52.45	54.00	-1.55	AVG

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT20 2472 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2483.500	56.23	-6.57	49.66	54.00	-4.34	AVG
2	2483.830	55.56	-6.57	48.99	54.00	-5.01	AVG

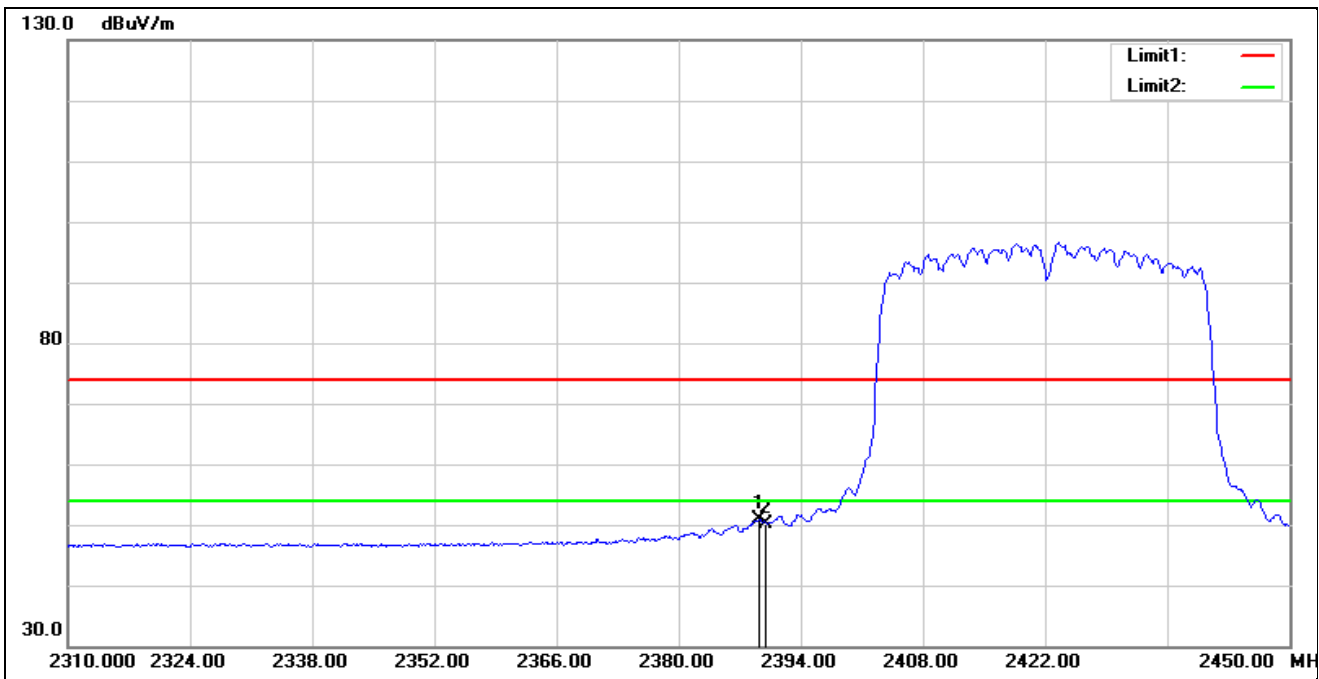
Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT20 2472 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2483.500	58.78	-6.57	52.21	54.00	-1.79	AVG
2	2483.830	57.70	-6.57	51.13	54.00	-2.87	AVG

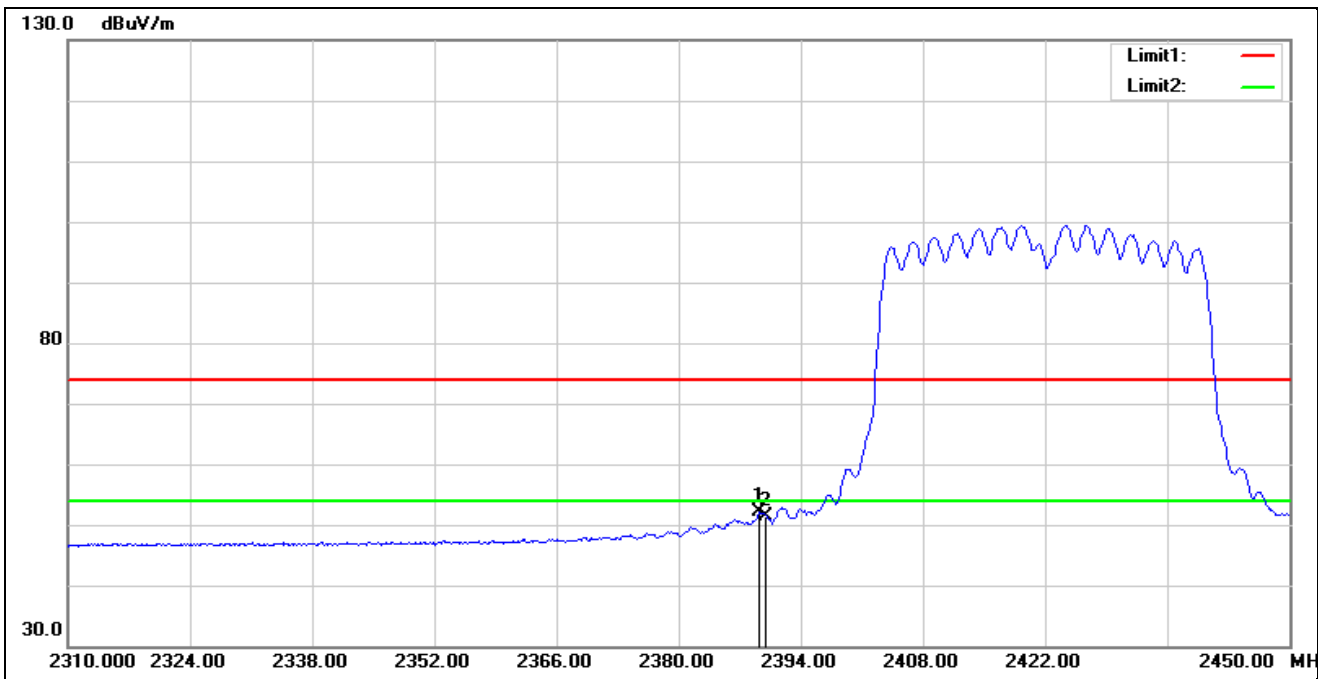


Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT40 2422 MHz		
Remark:			



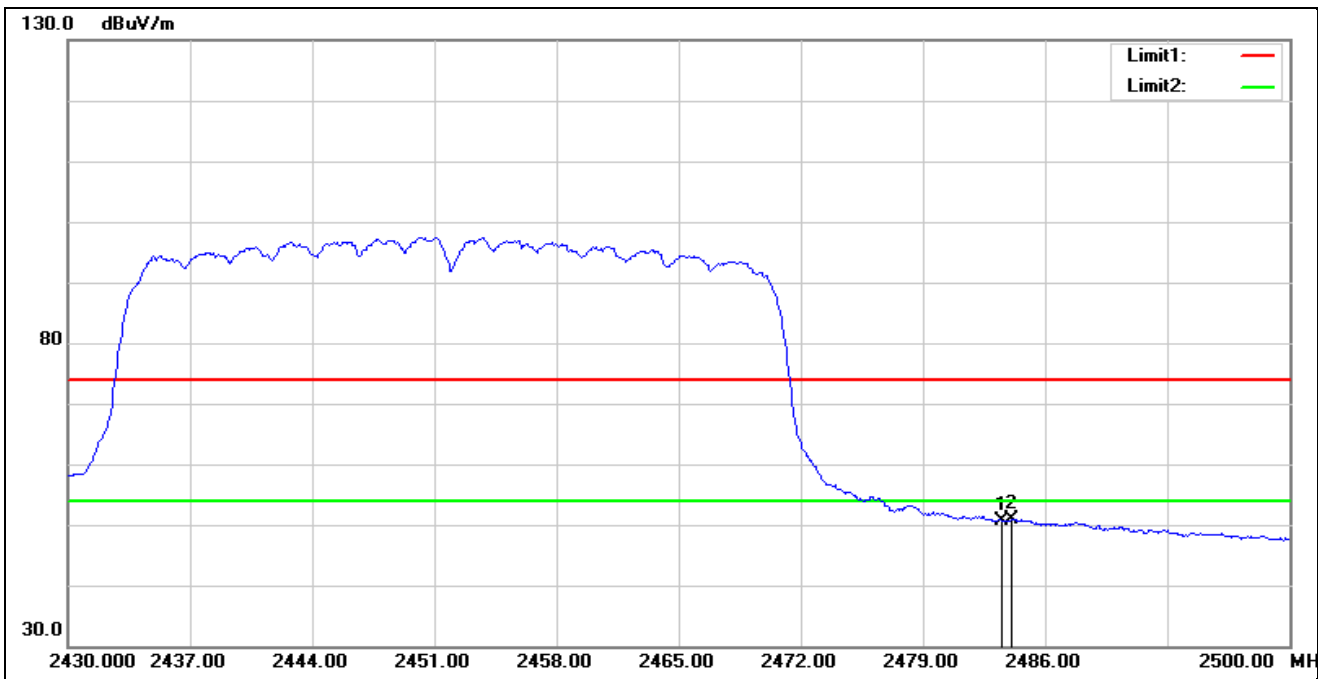
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2389.240	57.35	-6.50	50.85	54.00	-3.15	AVG
2	2390.000	56.55	-6.50	50.05	54.00	-3.95	AVG

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT40 2422 MHz		
Remark:			



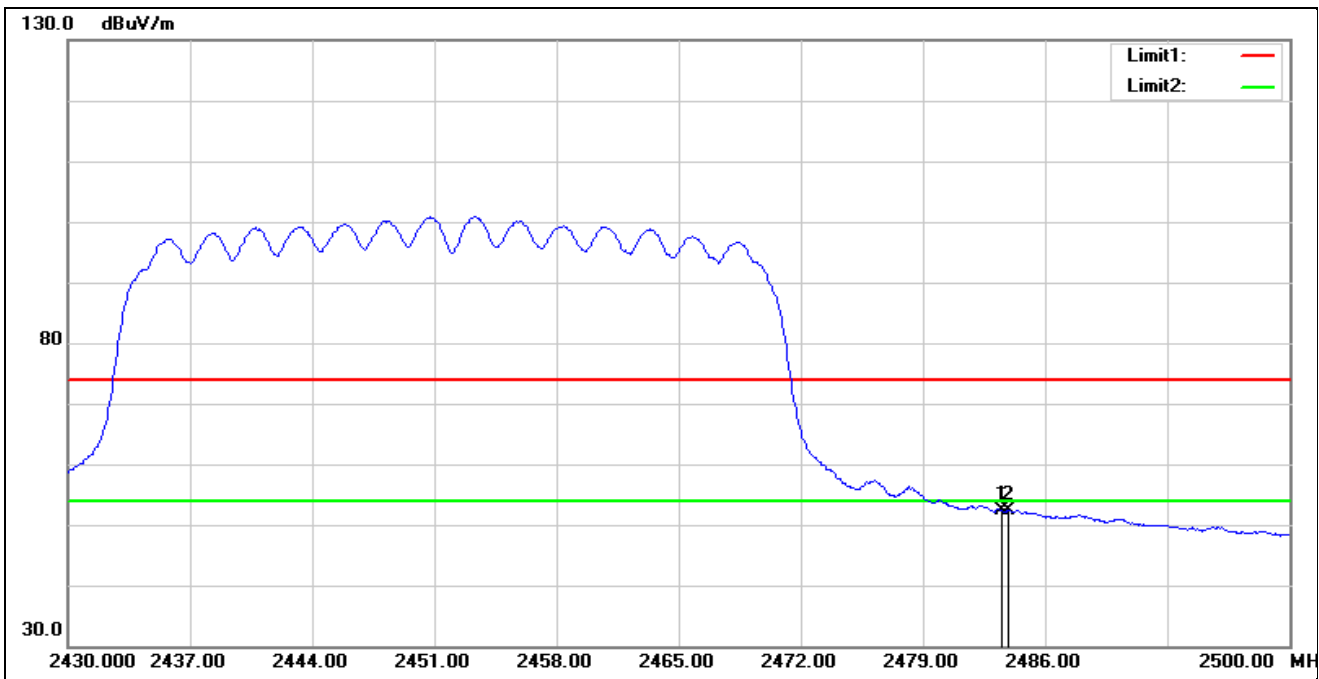
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2389.240	58.65	-6.50	52.15	54.00	-1.85	AVG
2	2390.000	57.95	-6.50	51.45	54.00	-2.55	AVG

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT40 2452 MHz		
Remark:			



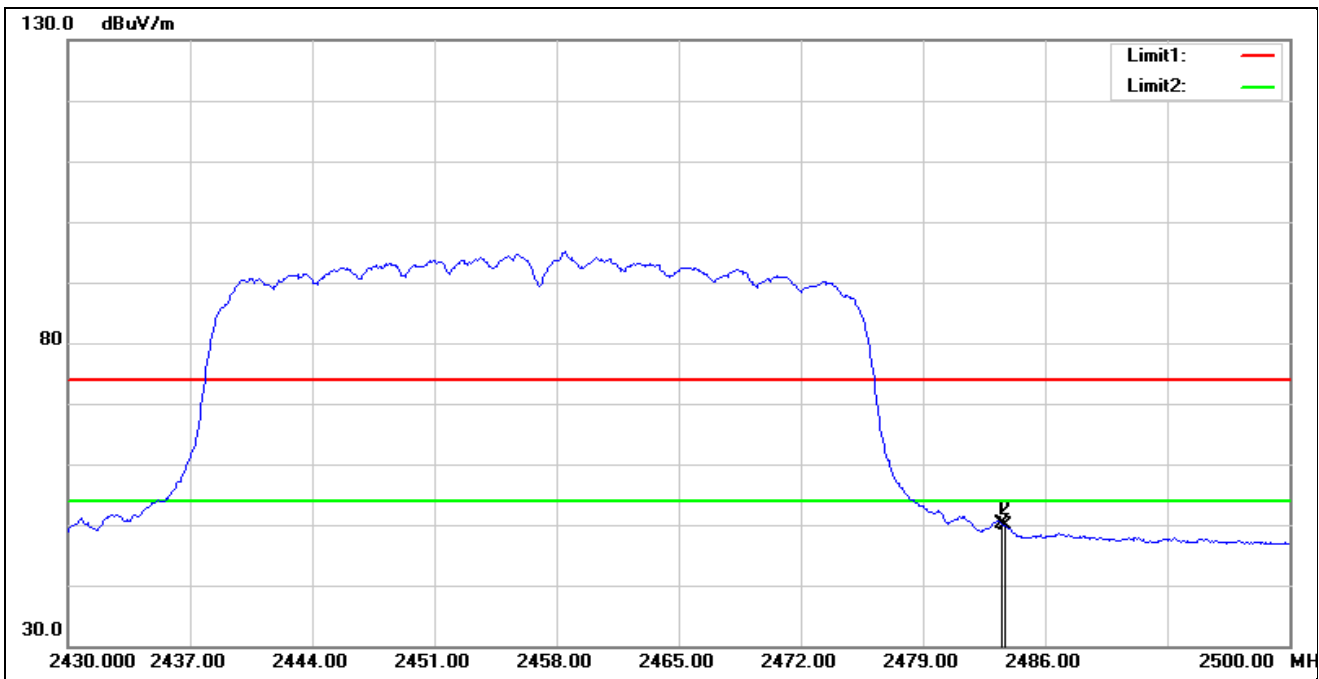
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	57.20	-6.57	50.63	54.00	-3.37	AVG
2*	2484.110	57.55	-6.57	50.98	54.00	-3.02	AVG

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT40 2452 MHz		
Remark:			



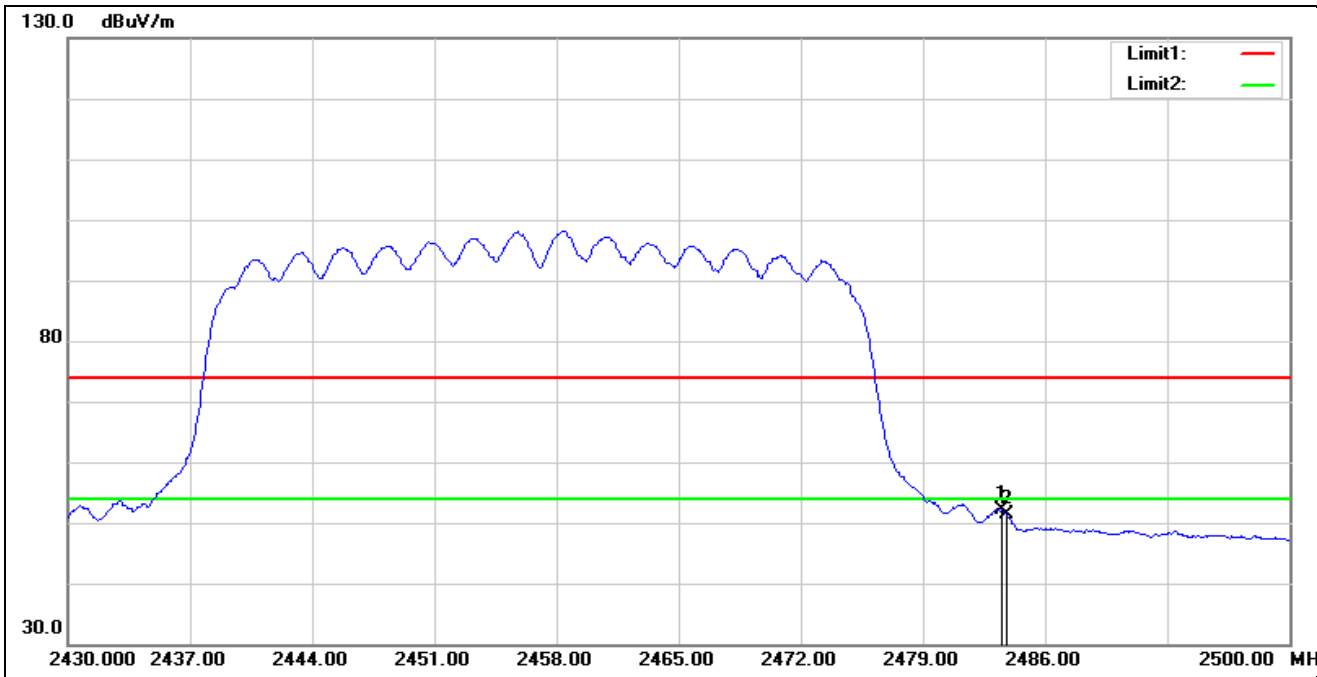
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2483.500	58.98	-6.57	52.41	54.00	-1.59	AVG
2	2483.900	58.98	-6.57	52.41	54.00	-1.59	AVG

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT40 2457 MHz		
Remark:			



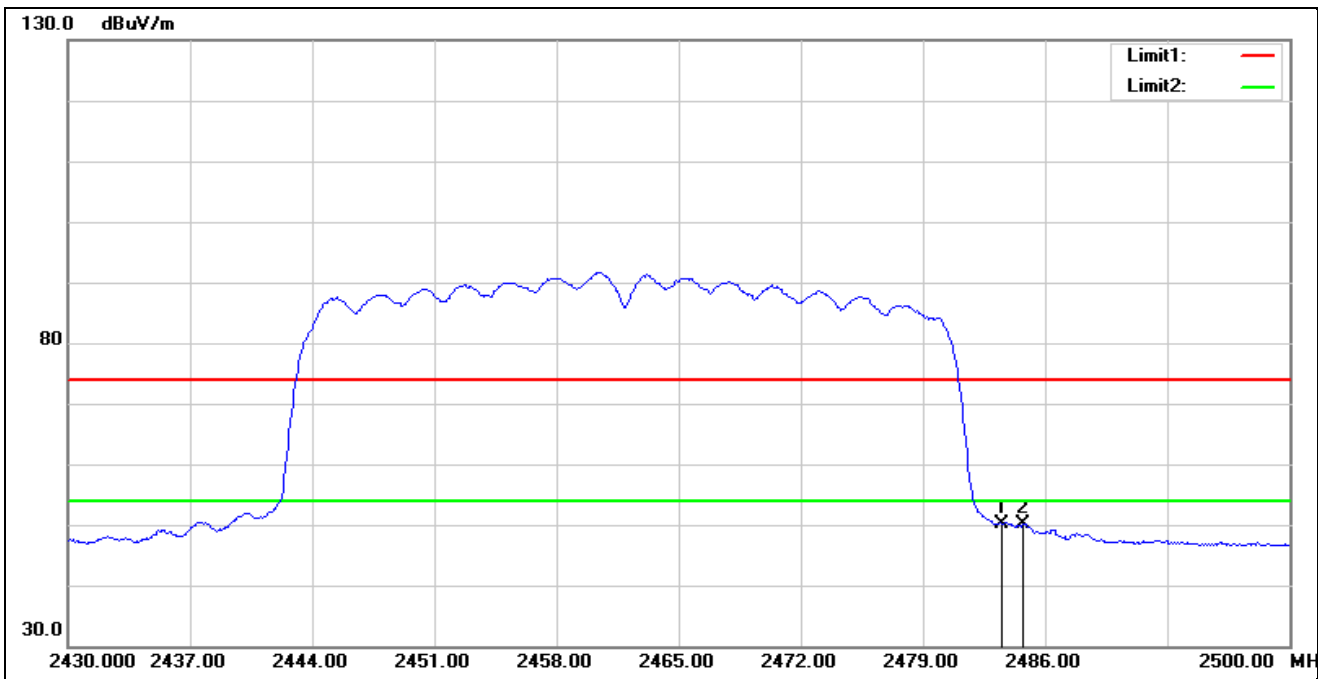
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2483.500	56.72	-6.57	50.15	54.00	-3.85	AVG
2	2483.690	56.37	-6.57	49.80	54.00	-4.20	AVG

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT40 2457 MHz		
Remark:			



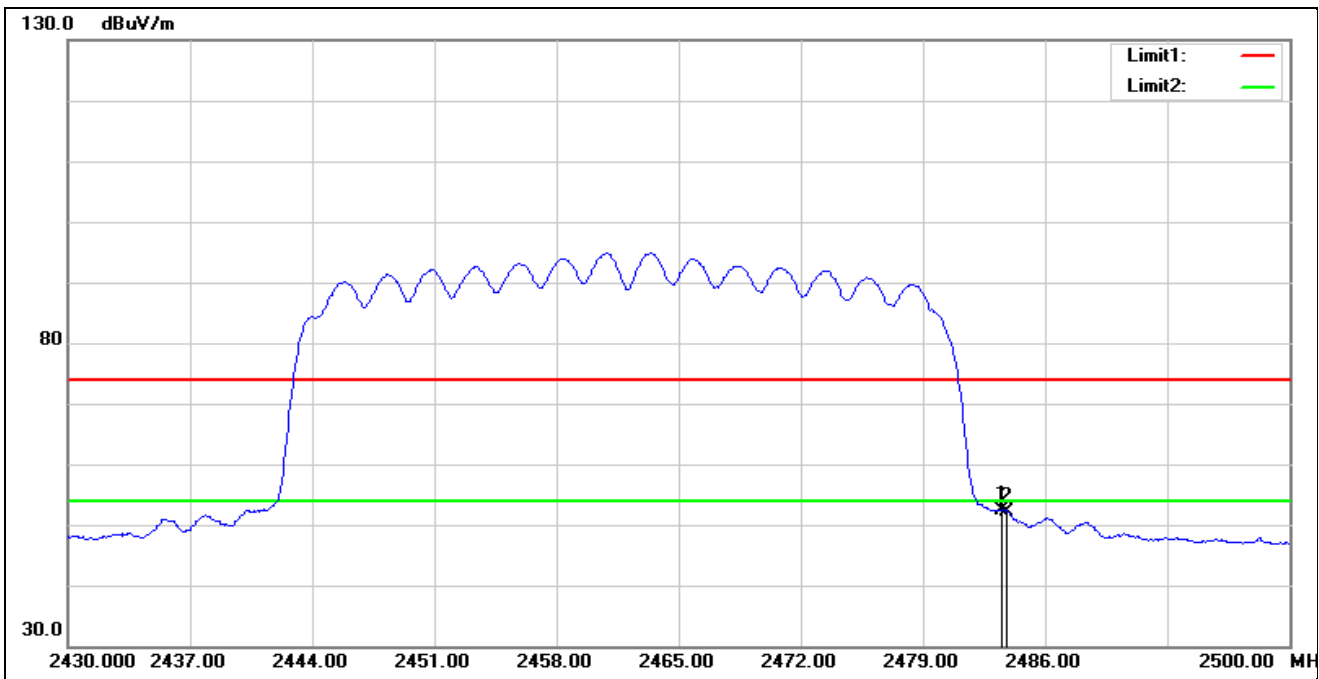
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2483.500	58.68	-6.57	52.11	54.00	-1.89	AVG
2	2483.830	57.85	-6.57	51.28	54.00	-2.72	AVG

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	802.11n HT40 2462 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2483.500	56.77	-6.57	50.20	54.00	-3.80	AVG
2	2484.740	56.67	-6.57	50.10	54.00	-3.90	AVG

Standard:	Part 15.247 / RSS-247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	802.11n HT40 2462 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2483.500	59.01	-6.57	52.44	54.00	-1.56	AVG
2	2483.830	58.75	-6.57	52.18	54.00	-1.82	AVG



### 5.3. Conducted Test Results

**Duty cycle**

Reference Appendix A / Appendix B

**Maximum Conducted Output Power Measurement**

Reference Appendix A

**Maximum Power Spectral Density Measurement**

Reference Appendix A / Appendix B

**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

---END---