

## RF Test Report

Applicant : FN-LINK TECHNOLOGY LIMITED

Product Name : WiFi/bt module

Trade Name : FN-LINK

Model Number : 6233E-UUB

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

Received Date : Nov. 07, 2022

Test Period : Mar. 27 ~ Apr. 18, 2023

Issued Date : May 12, 2023

### Issued by

Eurofins E&E Wireless Taiwan Co., Ltd.  
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Taoyuan City 334025, Taiwan (R.O.C.)  
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Taiwan Accreditation Foundation accreditation number: 1330  
Frequency Range: 9 kHz to 325 GHz (Bade test site)  
Test Firm MRA designation number: TW0010  
Frequency Range: 9 kHz to 40 GHz (Wugu test site)  
Test Firm MRA 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

Version	Issued Date	Revisions	Revised By
00	May 12, 2023	Initial Issue	Snow Wang

## Verification of Compliance

Applicant : FN-LINK TECHNOLOGY LIMITED

Product Name : WiFi/bt module

Trade Name : FN-LINK

Model Number : 6233E-UUB

FCC ID : 2AATL-6233E-UUB

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	----
15.203	Antenna Requirement	PASS	----
15.247(b)(1)	Max. Output Power	PASS	----
15.247(d)	Transmitter Radiated Emissions	PASS	----
15.247(a)(1)	20 dB RF Bandwidth	PASS	----
15.247(a)(1)	Carrier Frequency Separation	PASS	----
15.247(a)(1)(iii)	Number of Hopping	PASS	----
15.247(a)(1)(iii)	Time of Occupancy (Dwell Time)	PASS	----
15.247(d)	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
ANSI C63. 10: 2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
DA 00-705	Filing and Measurement Guidelines for Frequency Hopping Spread Spectrum Systems

## 1.2. Testing Location

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

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

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

## 1.3. Measurement Uncertainty

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

## 2 EUT Description

Applicant	FN-LINK TECHNOLOGY LIMITED No.8,Litong Road,Liuyang Economic & Technical Development Zone,Changsha,Hunan,China				
Product Name	WiFi/bt module				
Trade Name	FN-LINK				
Model Number	6233E-UUB				
FCC ID	2AATL-6233E-UUB				
Frequency Range	2402 ~ 2480 MHz				
Modulation Type	GFSK for 1 Mbps				
	$\pi/4$ -DQPSK for 2 Mbps				
	8DPSK for 3 Mbps				
Operate Temp. Range	-20 ~ +70 °C				
EUT Power Rating	DC 3.3 V				
Antenna information	ANT	Trade Name	Model Number	Type	Max. Gain (dBi)
	Ant 0	ABRACON	AFB4714A	FPC Antenna	2.76
		PSA	RFPCA381425IMLB301	PCB Antenna	2.21
		Laird	EMN2449A2S-25UFL	PCB Antenna	3.50
		iRobot	4802062	PCB Antenna	3.44
Max. RF Output Power	GFSK for 1 Mbps		0.00209 W		
	$\pi/4$ -DQPSK for 2 Mbps		0.00390 W		
	8DPSK for 3 Mbps		0.00392 W		

### 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
BT_GFSK	V
BT_π/4-DQPSK	
BT_8DPSK	V

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 “Y axis” position was the worst, then the final test was executed the worst condition and test data were recorded in this report.

##### Description of Test Modes

Preliminary tests were performed in different modulation to find the worst case. The modulation has shown the worst-case in section 4.5. Investigation has been done on all the possible configurations for searching the worst cases.



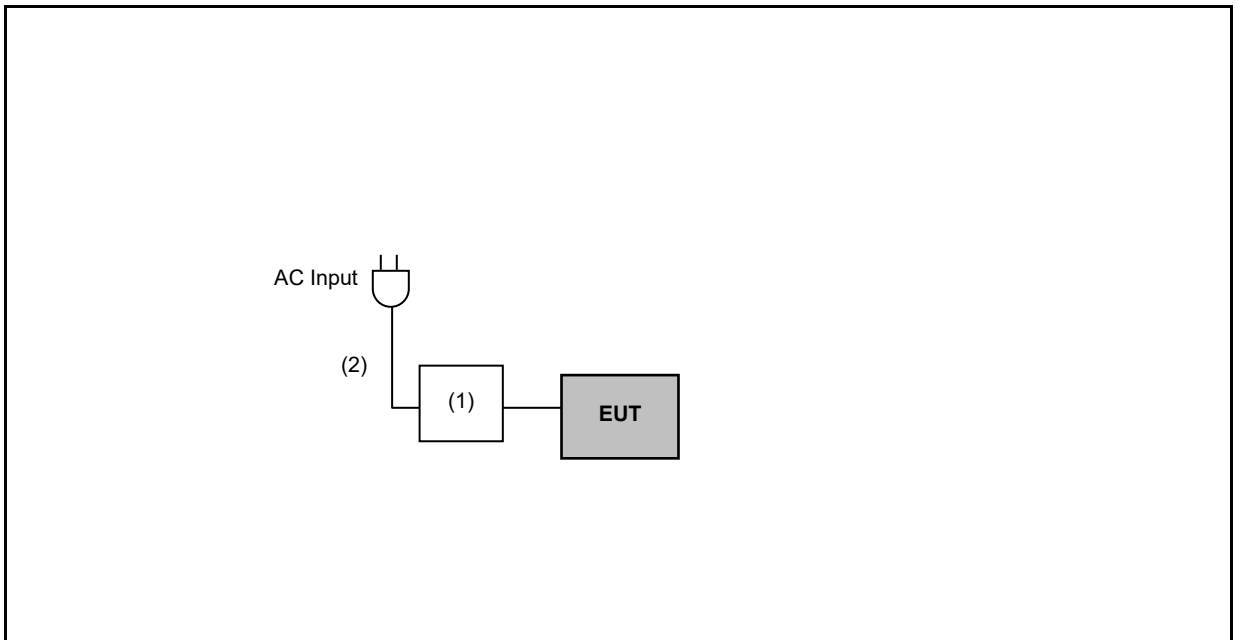
### 3.2. EUT Test Step

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.

Note : This module is placed on the control PCB board for tested.

### 3.3. Configuration of Test System Details

Conduction Emission / Radiated Emission



Devices Description					
	Product	Manufacturer	Model Number	Serial Number	Power Cord
(1)	Notebook	lenovo	T430	---	
(2)	Adapter	lenovo	92P1160	---	

### 3.4. Test Instruments

For Conducted Emission

Test Period: Apr. 11 ~ Apr. 14, 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 19, 2022	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	May 27, 2022	1 year
<input checked="" type="checkbox"/>	Software	EZ EMC	1.1.4.3	N/A	N.C.R.	---

For Conducted

Test Period: Mar. 29, 2023

Testing Engineer: Peter Shui

Test Site		RF01-BD				
Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
<input checked="" type="checkbox"/>	Power Sensor	Agilent	N1921A	MY45241957	Nov. 30, 2022	1 year
<input checked="" type="checkbox"/>	Power Meter	Agilent	N1911A	MY45101619	Nov. 30, 2022	1 year
<input checked="" type="checkbox"/>	Spectrum Analyzer (20 Hz~26.5 GHz)	Agilent	N9020A	US47520902	Sep. 01, 2022	1 year
<input checked="" type="checkbox"/>	Bluetooth Tester	R&S	CBT	100350	Mar. 20, 2023	2 years

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

For Radiated Emissions

Test Period: Mar. 27 ~ Apr. 18, 2023

Testing Engineer: Kerry Xu, Marc Yeh, Hung Chou

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. 21, 2022	1 year
<input checked="" type="checkbox"/>	Trilog Broadband Antenna (30 MHz~1 GHz)	Schwarzbeck Mess-Elektronik	VULB9168	01146	Jul. 22, 2022	1 year
<input checked="" type="checkbox"/>	Broadband Horn Antenna (1 GHz~18 GHz)	Schwarzbeck Mess-Elektronik	9120D	02207	Jul. 13, 2022	1 year
<input checked="" type="checkbox"/>	Broadband Horn Antenna (18 GHz~40 GHz)	Schwarzbeck Mess-Elektronik	9170	9170-320	Aug. 25, 2022	1 year
<input checked="" type="checkbox"/>	Coaxial Cable	Titan	T0710AT327A10A 100	J11005	Aug. 04, 2022	1 year
<input checked="" type="checkbox"/>	Coaxial Cable	Titan	T0710AT327A10A 900	J11004	Aug. 04, 2022	1 year
<input checked="" type="checkbox"/>	Coaxial Cable	Titan	CFD400NL-LW	001	Aug. 04, 2022	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.

### 3.5. Test Site Environment

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

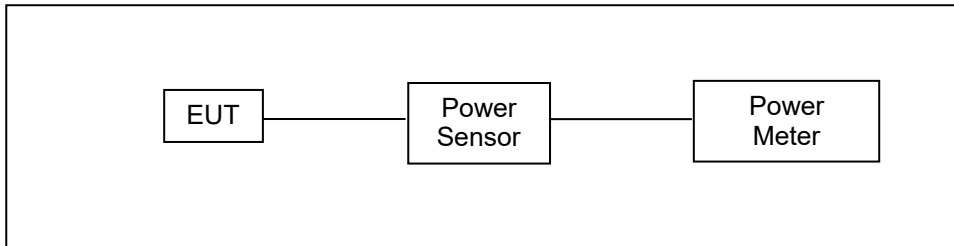
## 4 Measurement Procedure

### 4.1. Maximum Conducted Output Power Measurement

- **Limit**

For frequency hopping systems operating in the 2400–2483.5 MHz band employing at least 75 non-overlapping hopping channels < 0.125 watt.

- **Test Setup**



- **Test Procedure**

Testing must be done according to this procedure, FCC Public Notice DA 00-705 - Filing and Measurement Guidelines for Frequency Hopping Spread Spectrum Systems. This is the only method recognized by the FCC. 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. The maximum peak output power shall not exceed 1 watt.

Use a direct connection between the antenna port of transmitter and the power sensor, for prevent the power sensor input attenuation 40-50 dB. Set the RBW Bandwidth of the emission or use a channel power meter mode.

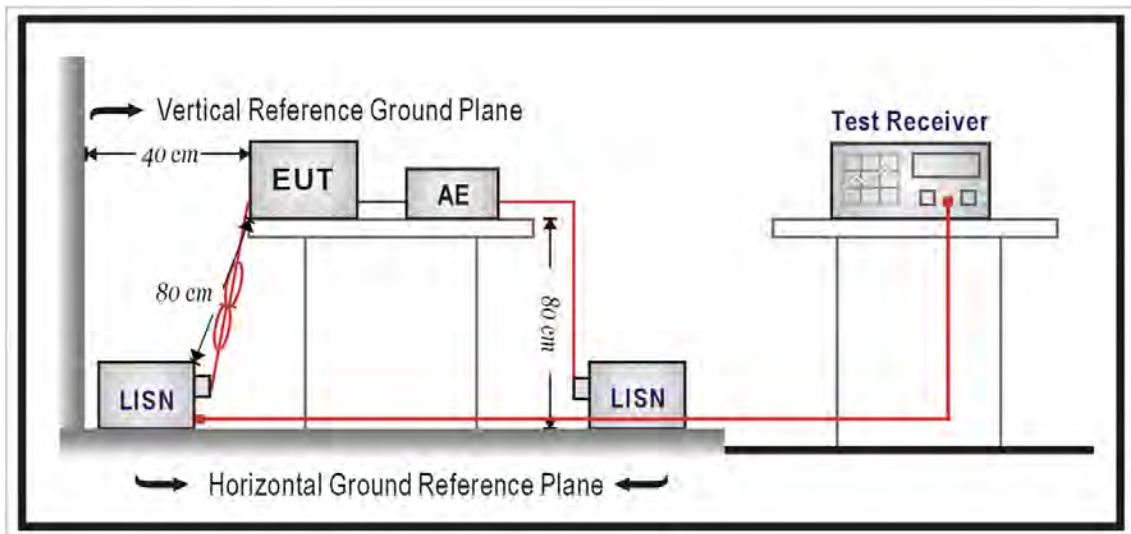
For antennas with gains of 6 dBi or less, maximum allowed transmitter output is 1 watt (+30 dBm). For antennas with gains greater than 6 dBi, transmitter output level must be decreased by an amount equal to (GAIN - 6)/3 dBm. The antenna port of the EUT was connected to the input of a power sensor. Power was read directly and cable loss correction was added to the reading to obtain power at the EUT antenna terminals.

## 4.2. AC Power Line Conducted Emission Measurement

### ■ Limit

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

### ■ Test Setup



#### ■ Test Procedure

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

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

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

The AMN shall be placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for AMNs mounted on top of the ground reference plane. This distance is between the closest points of the AMN and the EUT. All other units of the EUT and associated equipment shall be at least 0.8 m from the AMN. If the mains power cable is longer than 1 m then the cable shall be folded back and forth at the centre of the lead to form a bundle no longer than 0.4 m. All of interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long. All of EUT and AE shall be separate place more than 0.1 m. All  $50 \Omega$  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.

### 4.3. Radiated Emission Measurement

■ **Limit**

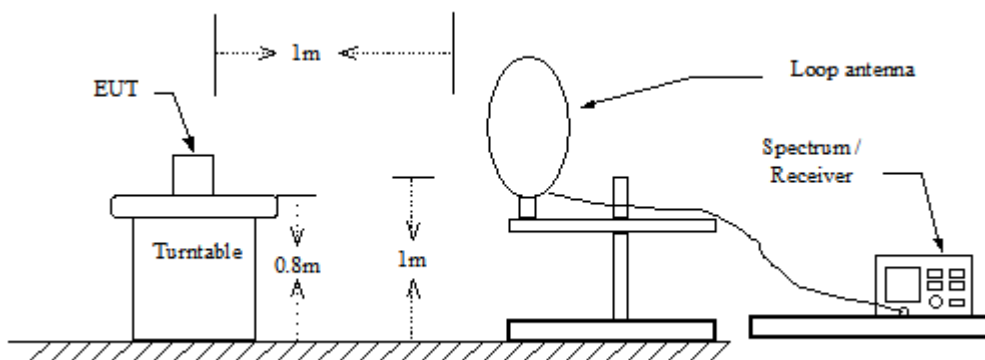
According to §15.209(a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength ( $\mu\text{V}/\text{m}$ at meter)	Measurement Distance (meters)
0.009 – 0.490	2400 / F (kHz)	300
0.490 – 1.705	24000 / F (kHz)	30
1.705 – 30.0	30	30
30 - 88	100**	3
88-216	150**	3
216-960	200**	3
Above 960	500	3

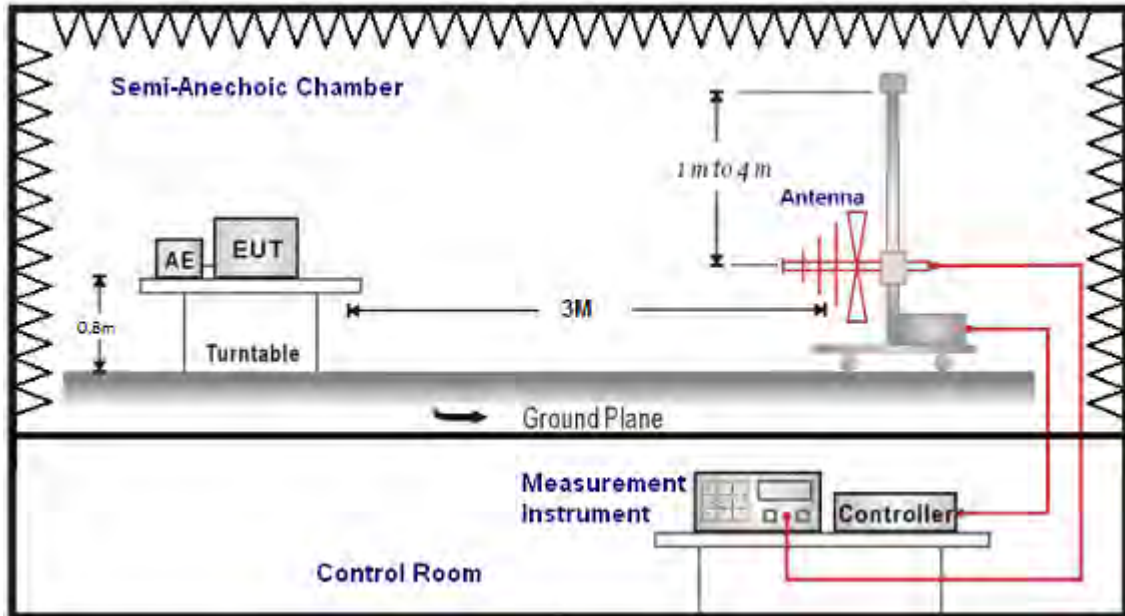
\*\* Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this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

■ **Setup**

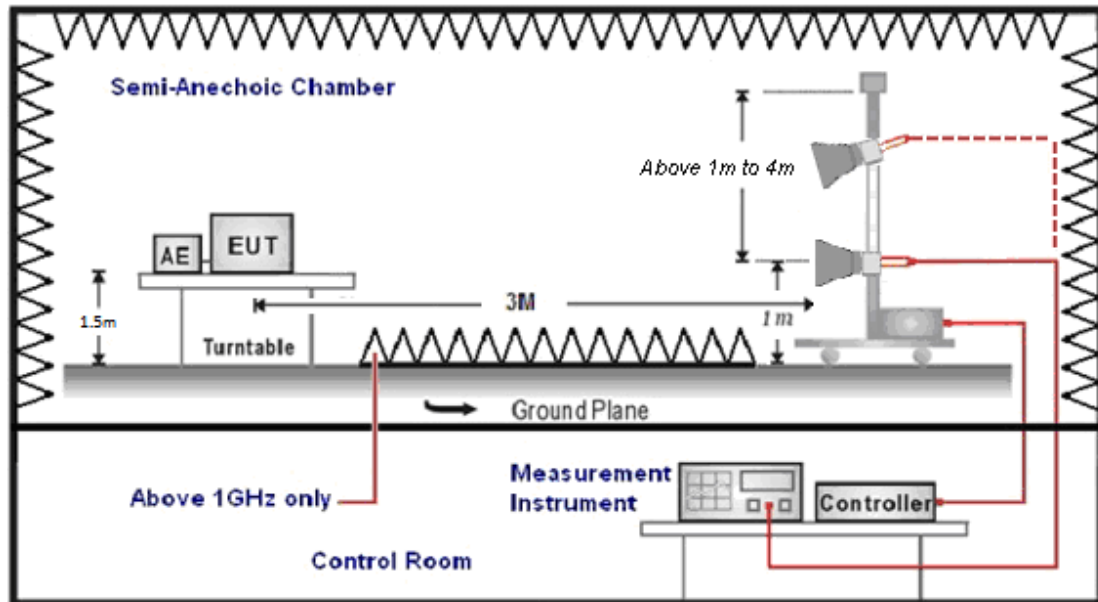
9 kHz ~ 30 MHz



Below 1 GHz



Above 1 GHz





### ■ Test Procedure

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

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

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

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, and then the video bandwidth is set to 3 MHz for peak measurements and 10 Hz for average measurements when Duty cycle >98 % / 1/T for average measurements when Duty cycle <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 1 meter. 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 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

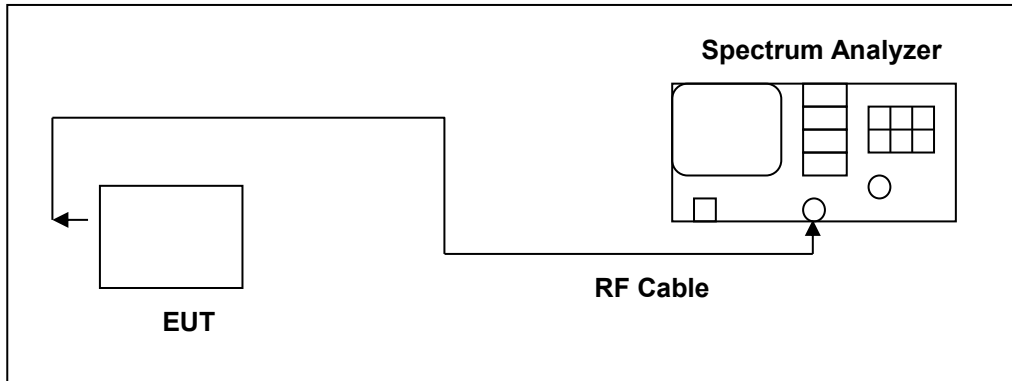
Data of measurement within this frequency range without mark in the table above means the reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.

#### 4.4. 20 dB RF Bandwidth Measurement

■ **Limit**

N/A

■ **Test Setup**



■ **Test Procedure**

Testing must be done according to this procedure, FCC Public Notice DA 00-705 - Filing and Measurement Guidelines for Frequency Hopping Spread Spectrum Systems. This is the only method recognized by the FCC. The RF output port of the Equipment-Under-Test is directly coupled to the input of the EMC analyzer through a specialized RF connector and a 10 dB passive attenuator. A fully charged battery was used for the supply voltage. The Bluetooth frequency hopping function of the EUT was enabled. The spectrum analyzer used the following settings:

1. Span = approx. 2 to 3 times the 20 dB bandwidth, centered on a hopping frequency
2. RBW  $\geq$  1 % of the 20 dB span
3. VBW  $\geq$  RBW
4. Sweep = auto
5. Detector function = peak
6. Trace = max hold

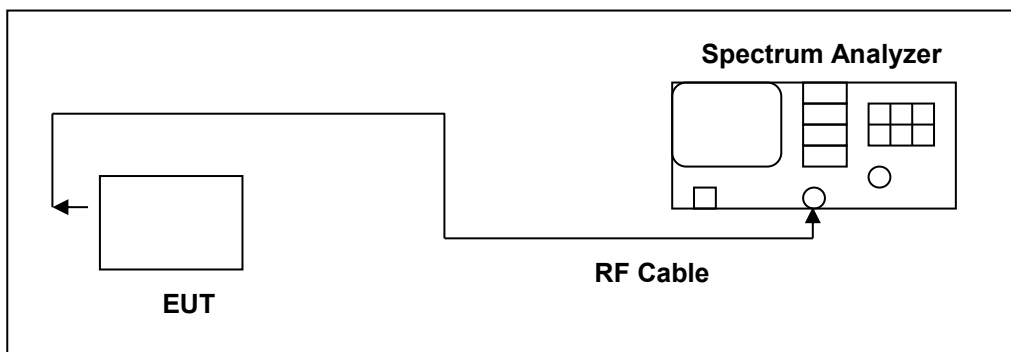
The trace was allowed to stabilize. The EUT was transmitting at its maximum data rate. The marker-to-peak function was used to set the marker to the peak of the emission. The marker-delta function was used to measure 20 dB down one side of the emission. The marker-delta function and marker was moved to the other side of the emission until it was even with the reference marker. The marker-delta reading at this point was the 20 dB bandwidth of the emission.

## 4.5. Carrier Frequency Separation Measurement

### ■ Limit

Title 47 of the CFR, Part 15 Subpart (c) 15.247(a)(1) requires the measurement of the bandwidth of the transmission between the -20 dB points on the transmitted spectrum. The results of this test determine the limits for channel spacing. The channel spacing shall be a minimum of 25 kHz or the 20 dB bandwidth, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel.

### ■ Test Setup



### ■ Test Procedure

Testing must be done according to this procedure, FCC Public Notice DA 00-705 - Filing and Measurement Guidelines for Frequency Hopping Spread Spectrum Systems. This is the only method recognized by the FCC. The RF output port of the Equipment-Under-Test is directly coupled to the input of the EMC analyzer through a specialized RF connector and a 10 dB passive attenuator. A fully charged battery was used for the supply voltage. The Bluetooth frequency hopping function of the EUT was enabled. The following spectrum analyzer settings were used:

1. Span = wide enough to capture the peaks of two adjacent channels
2. Resolution (or IF) Bandwidth (RBW) = Start with the RBW set to approximately 30% of the channel spacing;  
adjust as necessary to best identify the center of each individual channel.
3. Video (or Average) Bandwidth (VBW)  $\geq$  RBW
4. Sweep = auto
5. Detector function = peak
6. Trace = max hold

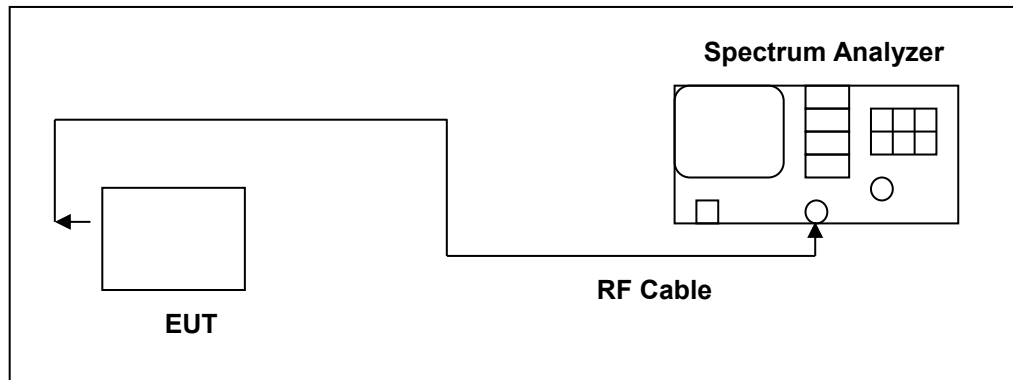
The trace was allowed to stabilize. The marker-delta function was used to determine the separation between the peaks of the adjacent channels.

## 4.6. Number of Hopping Measurement

### ■ Limit

Frequency hopping systems in the 2400–2483.5 MHz band shall use at least 15 channels.

### ■ Test Setup



### ■ Test Procedure

Testing must be done according to this procedure, FCC Public Notice DA 00-705 - Filing and Measurement Guidelines for Frequency Hopping Spread Spectrum Systems. This is the only method recognized by the FCC. The RF output port of the Equipment-Under-Test is directly coupled to the input of the EMC analyzer through a specialized RF connector and a 10 dB passive attenuator. A fully charged battery was used for the supply voltage. The Bluetooth frequency hopping function of the EUT was enabled. The spectrum analyzer used the following settings:

1. Span = the frequency band of operation
2. RBW = To identify clearly the individual channels, set the RBW to less than 30% of the channel spacing or the 20 dBbandwidth, whichever is smaller.
3. VBW  $\geq$  RBW
4. Sweep = auto
5. Detector function = peak
6. Trace = max hold

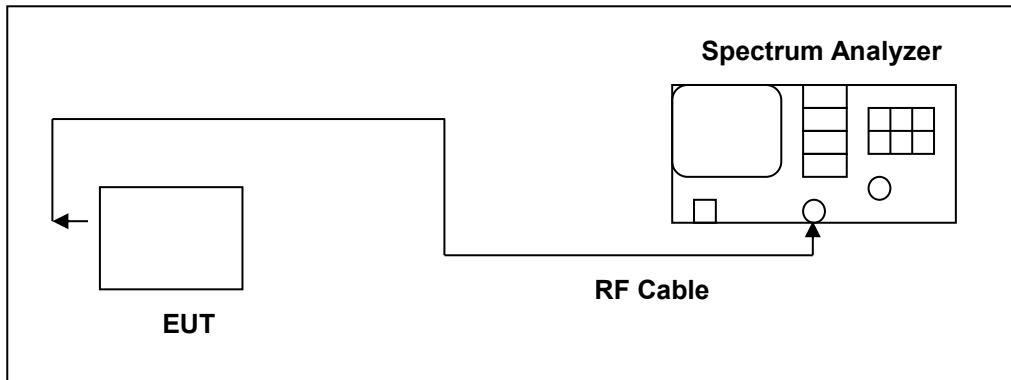
The trace was allowed to stabilize.

## 4.7. Time of Occupancy (Dwell Time) Measurement

### ■ Limit

The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.

### ■ Test Setup



### ■ Test Procedure

Testing must be done according to this procedure, FCC Public Notice DA 00-705 - Filing and Measurement Guidelines for Frequency Hopping Spread Spectrum Systems. This is the only method recognized by the FCC. The RF output port of the Equipment-Under-Test is directly coupled to the input of the spectrum through a specialized RF connector and a 10 dB passive attenuator. A fully charged battery was used for the supply voltage. The Bluetooth hopping function of the EUT was enabled. The following spectrum analyzer settings were used:

1. Span = zero span, centered on a hopping channel
2. RBW = 1 MHz
3. VBW  $\geq$  RBW
4. Sweep = as necessary to capture the entire dwell time per hopping channel
5. Detector function = peak
6. Trace = max hold

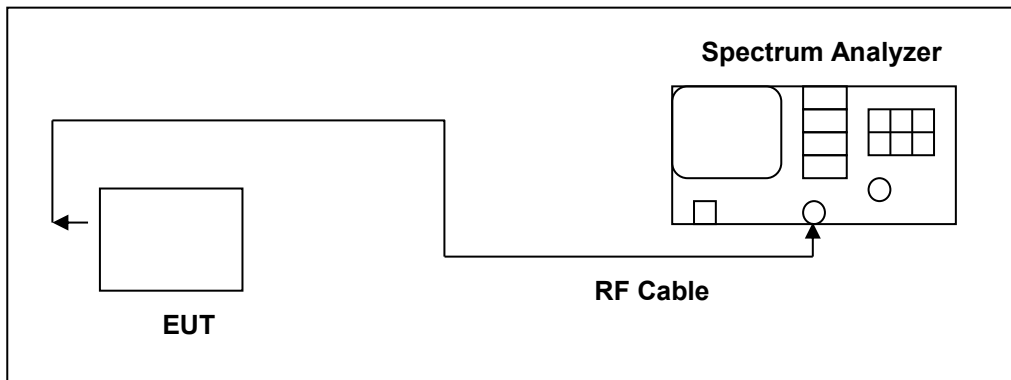
The marker-delta function was used to determine the dwell time.

## 4.8. 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

Testing must be done according to this procedure, FCC Public Notice DA 00-705 - Filing and Measurement Guidelines for Frequency Hopping Spread Spectrum Systems. This is the only method recognized by the FCC. 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 (Channel 0, 39, 78)

## 4.9. 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)(4), 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 Connector Construction

See section 2 – antenna information.

## 4.10. Other requirements

### ■ System Receiver Input Bandwidth

Each channel bandwidth is 1MHz.

The system receivers have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shift frequencies in synchronization with the transmitted signals.

### ■ Equipment Description

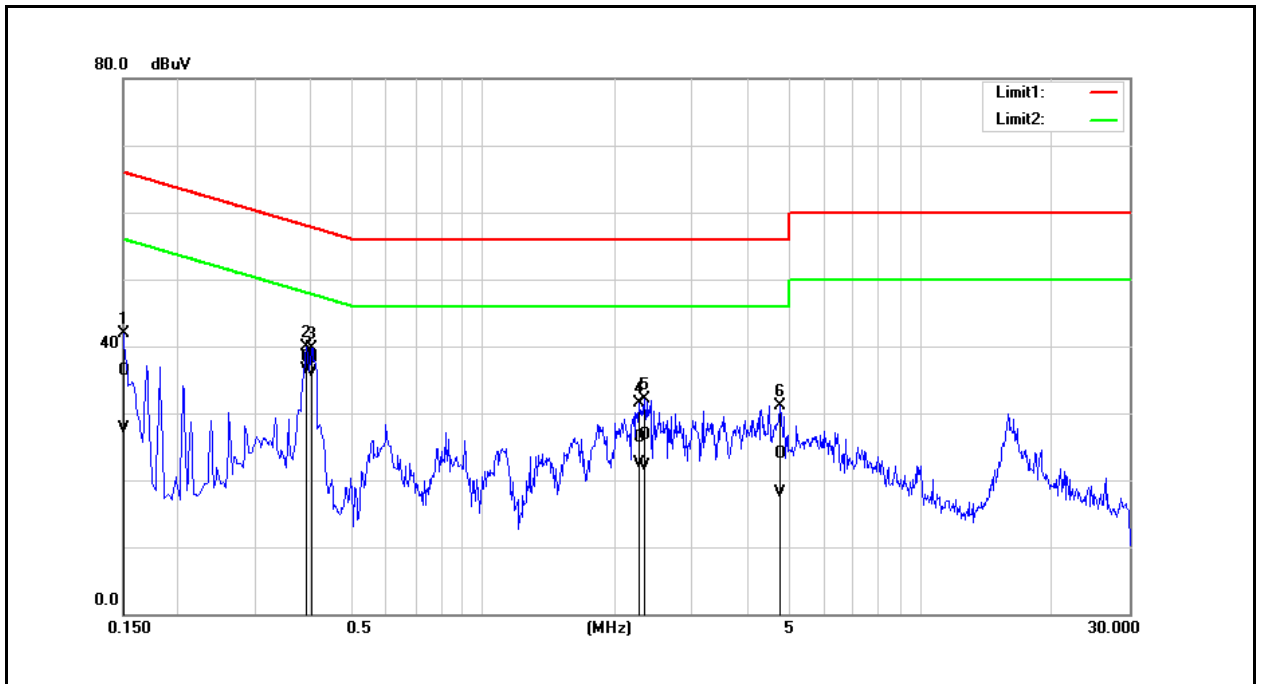
The system shall hop to channel frequencies that are selected at the system hopping rate from a pseudo randomly ordered list of hopping frequencies. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.



## 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:	Antenna brand: iRobot		

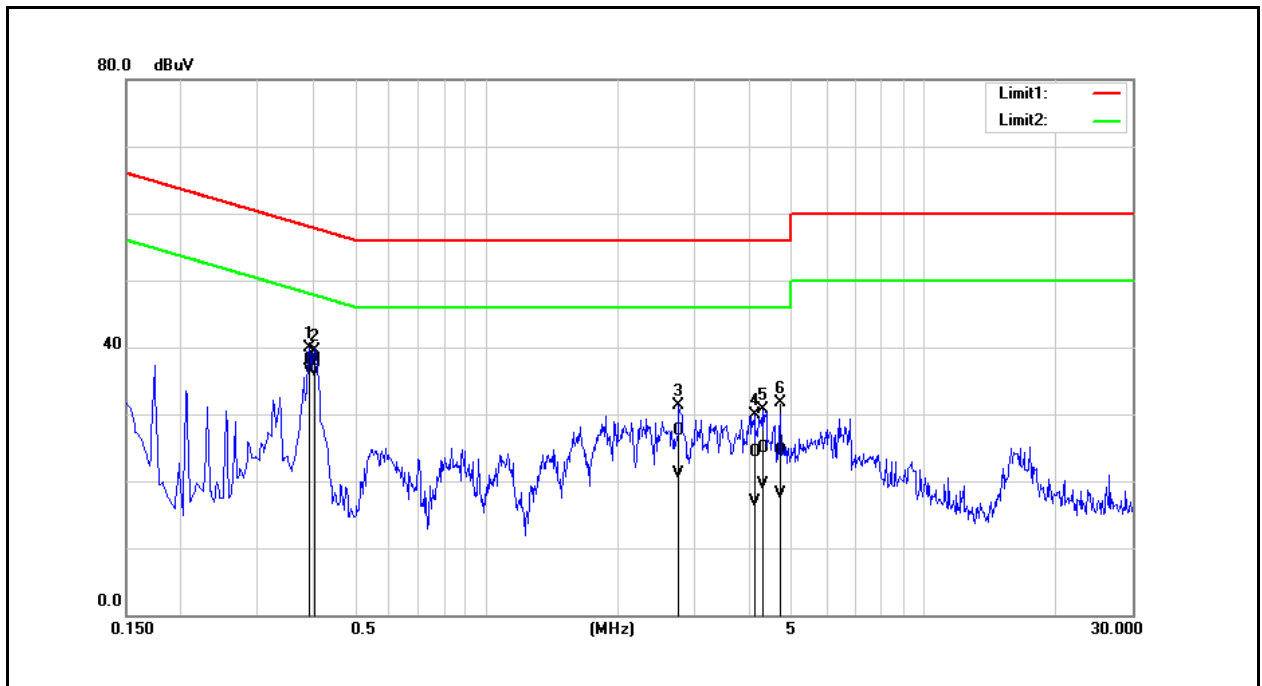


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1500	26.69	18.04	9.59	36.28	27.63	66.00	56.00	-29.72	-28.37	Pass
2	0.3940	28.67	26.99	9.60	38.27	36.59	57.98	47.98	-19.71	-11.39	Pass
3	0.4060	28.50	26.50	9.60	38.10	36.10	57.73	47.73	-19.63	-11.63	Pass
4	2.2740	16.65	12.83	9.67	26.32	22.50	56.00	46.00	-29.68	-23.50	Pass
5	2.3420	17.08	12.45	9.67	26.75	22.12	56.00	46.00	-29.25	-23.88	Pass
6	4.7580	14.22	8.33	9.75	23.97	18.08	56.00	46.00	-32.03	-27.92	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:	Antenna brand: iRobot		

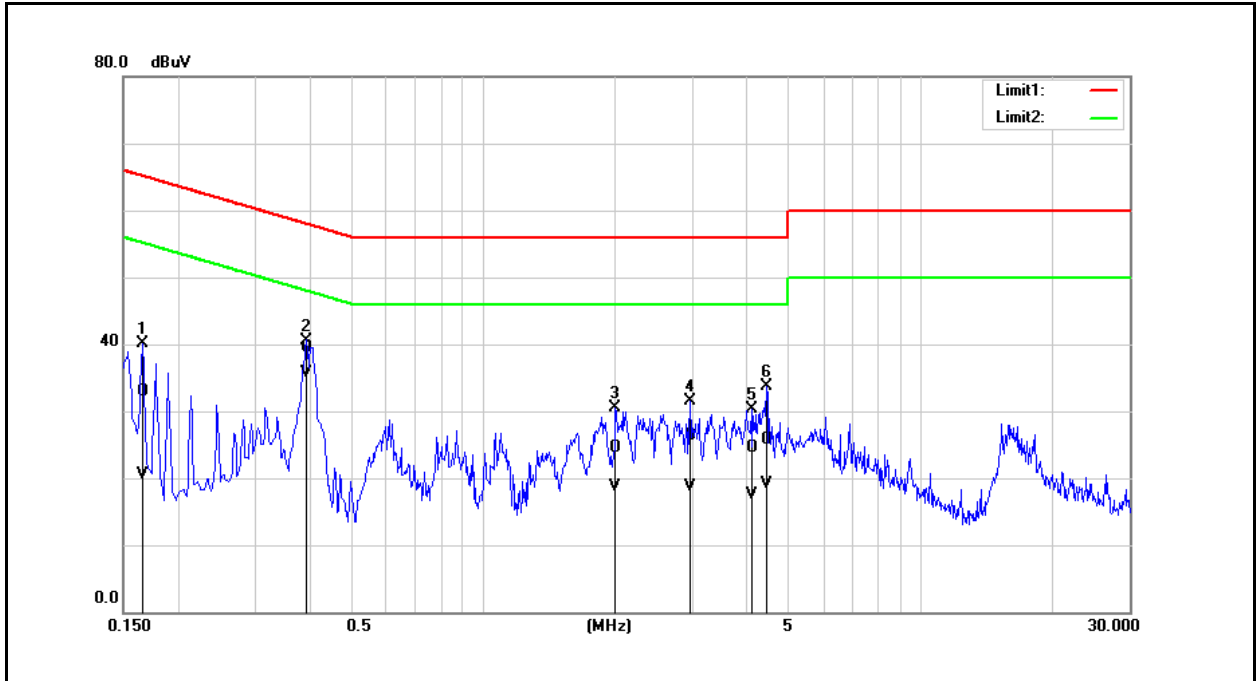


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.3940	28.56	26.85	9.59	38.15	36.44	57.98	47.98	-19.83	-11.54	Pass
2	0.4060	28.34	26.68	9.59	37.93	36.27	57.73	47.73	-19.80	-11.46	Pass
3	2.7620	17.80	11.44	9.69	27.49	21.13	56.00	46.00	-28.51	-24.87	Pass
4	4.1060	14.58	7.19	9.72	24.30	16.91	56.00	46.00	-31.70	-29.09	Pass
5	4.2860	15.19	9.83	9.73	24.92	19.56	56.00	46.00	-31.08	-26.44	Pass
6	4.6980	14.83	8.36	9.74	24.57	18.10	56.00	46.00	-31.43	-27.90	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:	L1
Test item:	Conducted Emission	Power:	AC 120 V/60 Hz
Mode:	Transmit Mode		
Description:	Antenna brand: ABRACON		

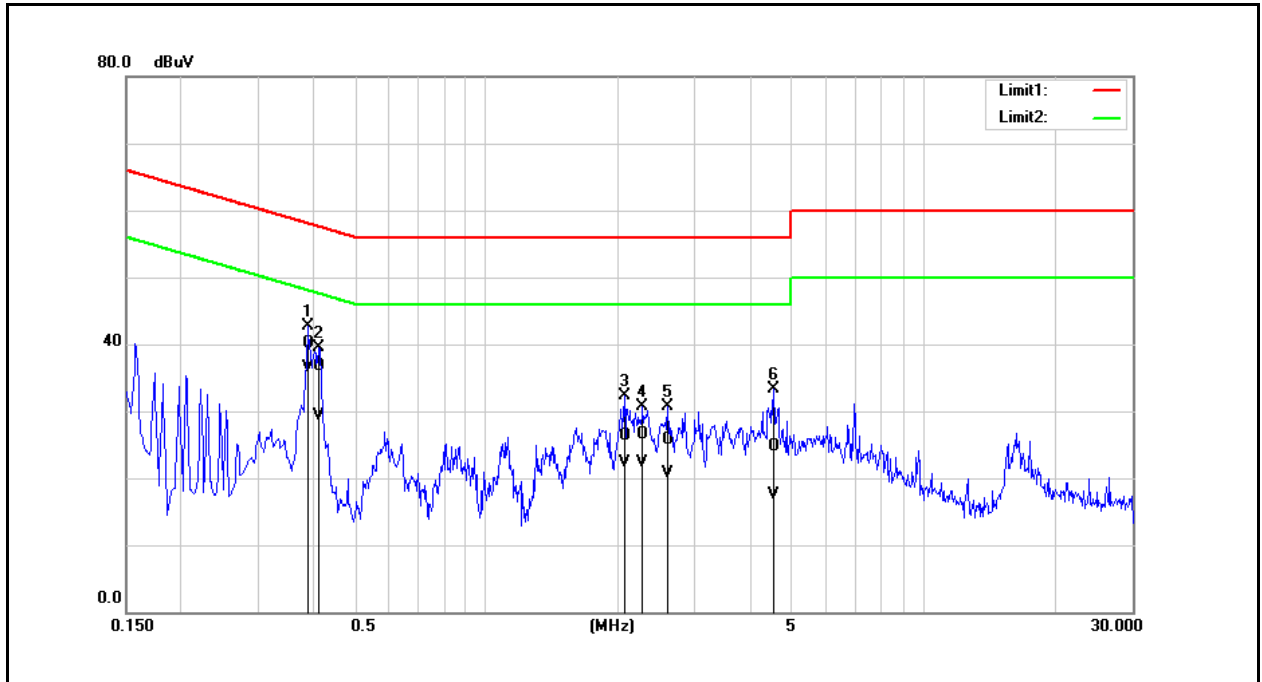


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1660	23.32	10.99	9.59	32.91	20.58	65.16	55.16	-32.25	-34.58	Pass
2	0.3940	29.85	26.11	9.60	39.45	35.71	57.98	47.98	-18.53	-12.27	Pass
3	2.0020	14.87	9.11	9.66	24.53	18.77	56.00	46.00	-31.47	-27.23	Pass
4	2.9700	16.52	8.93	9.69	26.21	18.62	56.00	46.00	-29.79	-27.38	Pass
5	4.1100	14.71	7.88	9.72	24.43	17.60	56.00	46.00	-31.57	-28.40	Pass
6	4.4420	15.92	9.33	9.73	25.65	19.06	56.00	46.00	-30.35	-26.94	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:	Antenna brand: ABRACON		

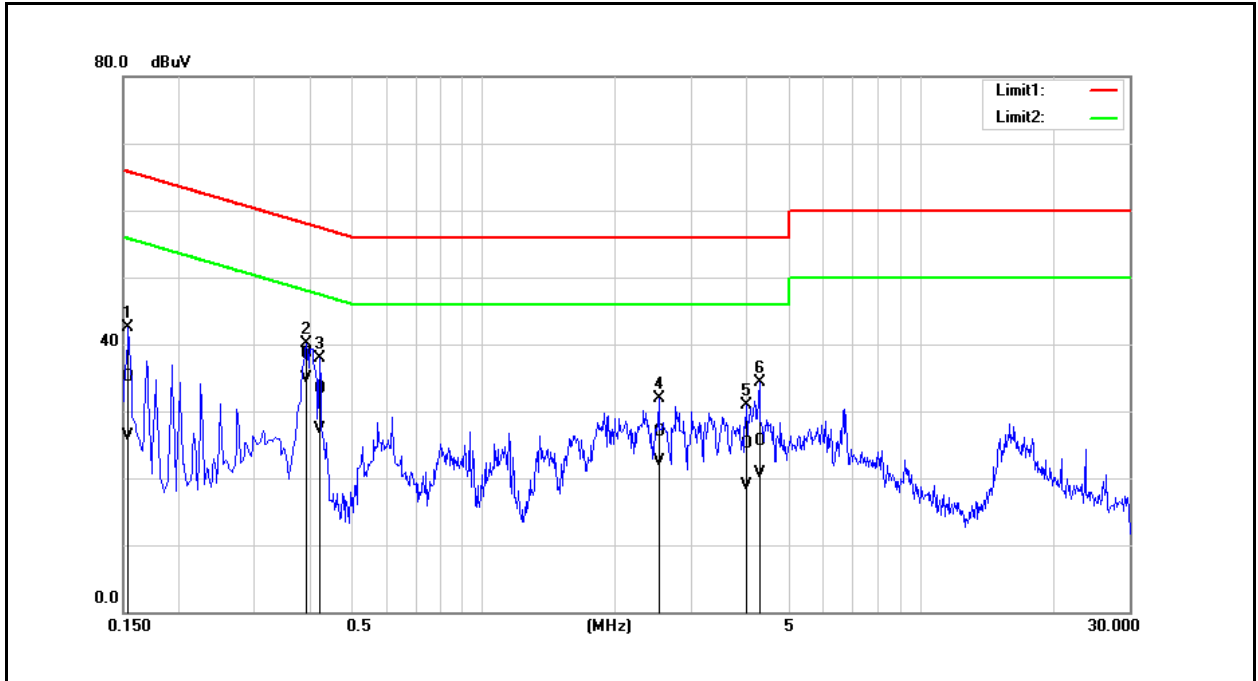


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.3900	30.49	27.01	9.59	40.08	36.60	58.06	48.06	-17.98	-11.46	Pass
2	0.4140	27.21	19.68	9.59	36.80	29.27	57.57	47.57	-20.77	-18.30	Pass
3	2.0740	16.60	12.65	9.66	26.26	22.31	56.00	46.00	-29.74	-23.69	Pass
4	2.2820	16.85	12.66	9.67	26.52	22.33	56.00	46.00	-29.48	-23.67	Pass
5	2.6060	16.05	11.05	9.68	25.73	20.73	56.00	46.00	-30.27	-25.27	Pass
6	4.5420	15.05	7.78	9.74	24.79	17.52	56.00	46.00	-31.21	-28.48	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:	L1
Test item:	Conducted Emission	Power:	AC 120 V/60 Hz
Mode:	Transmit Mode		
Description:	Antenna brand: Laird		

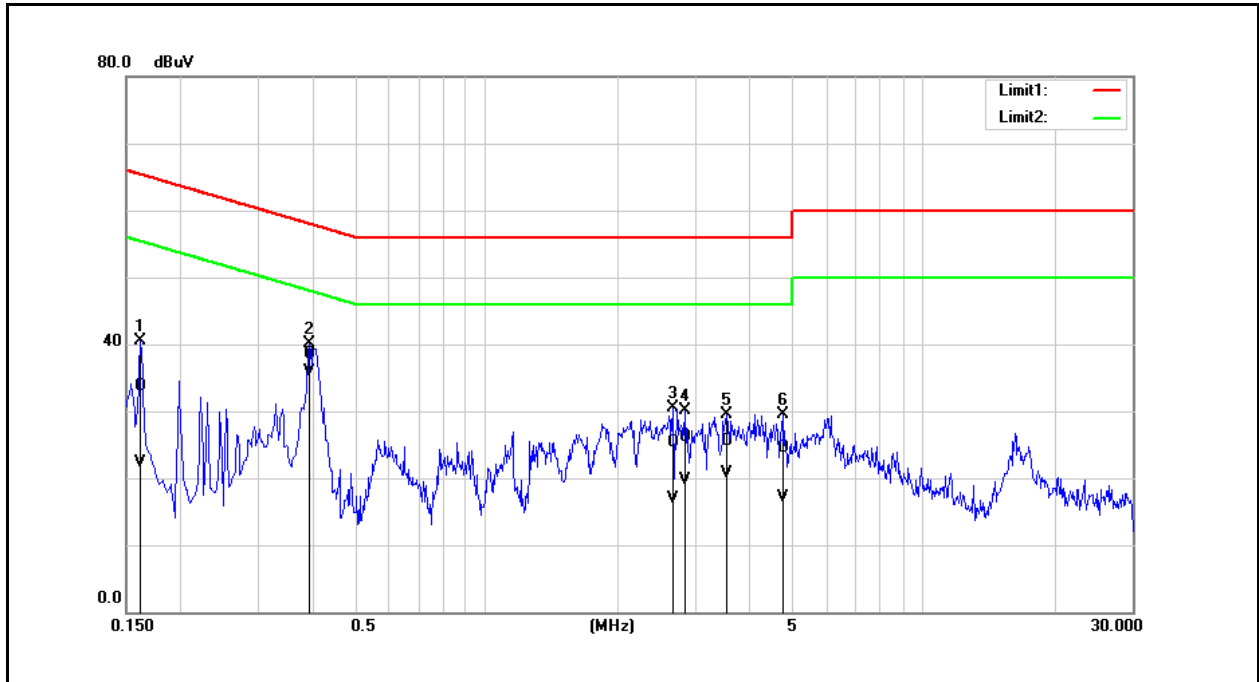


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1540	25.47	16.62	9.59	35.06	26.21	65.78	55.78	-30.72	-29.57	Pass
2	0.3940	28.89	25.27	9.60	38.49	34.87	57.98	47.98	-19.49	-13.11	Pass
3	0.4220	23.80	17.72	9.60	33.40	27.32	57.41	47.41	-24.01	-20.09	Pass
4	2.5220	17.22	12.76	9.68	26.90	22.44	56.00	46.00	-29.10	-23.56	Pass
5	3.9860	15.47	9.20	9.72	25.19	18.92	56.00	46.00	-30.81	-27.08	Pass
6	4.2860	15.81	10.97	9.73	25.54	20.70	56.00	46.00	-30.46	-25.30	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:	Antenna brand: Laird		



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	0.1620	24.17	12.82	9.58	33.75	22.40	65.36	55.36	-31.61	-32.96	Pass
2	0.3940	28.84	26.32	9.59	38.43	35.91	57.98	47.98	-19.55	-12.07	Pass
3	2.6660	15.67	7.18	9.68	25.35	16.86	56.00	46.00	-30.65	-29.14	Pass
4	2.8500	16.45	10.04	9.69	26.14	19.73	56.00	46.00	-29.86	-26.27	Pass
5	3.5500	15.86	10.97	9.71	25.57	20.68	56.00	46.00	-30.43	-25.32	Pass
6	4.7900	14.71	7.41	9.75	24.46	17.16	56.00	46.00	-31.54	-28.84	Pass

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

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

## 5.2. Conducted Test Results

### **Maximum Conducted Output Power Measurement**

Reference Appendix A

### **20 dB RF Bandwidth Measurement**

Reference Appendix A / Appendix B

### **Carrier Frequency Separation Measurement**

Reference Appendix A / Appendix B

### **Number of Hopping Measurement**

Reference Appendix A / Appendix B

### **Out of Band Conducted Emissions Measurement**

Reference Appendix B

### **Time of Occupancy (Dwell Time) Measurement**

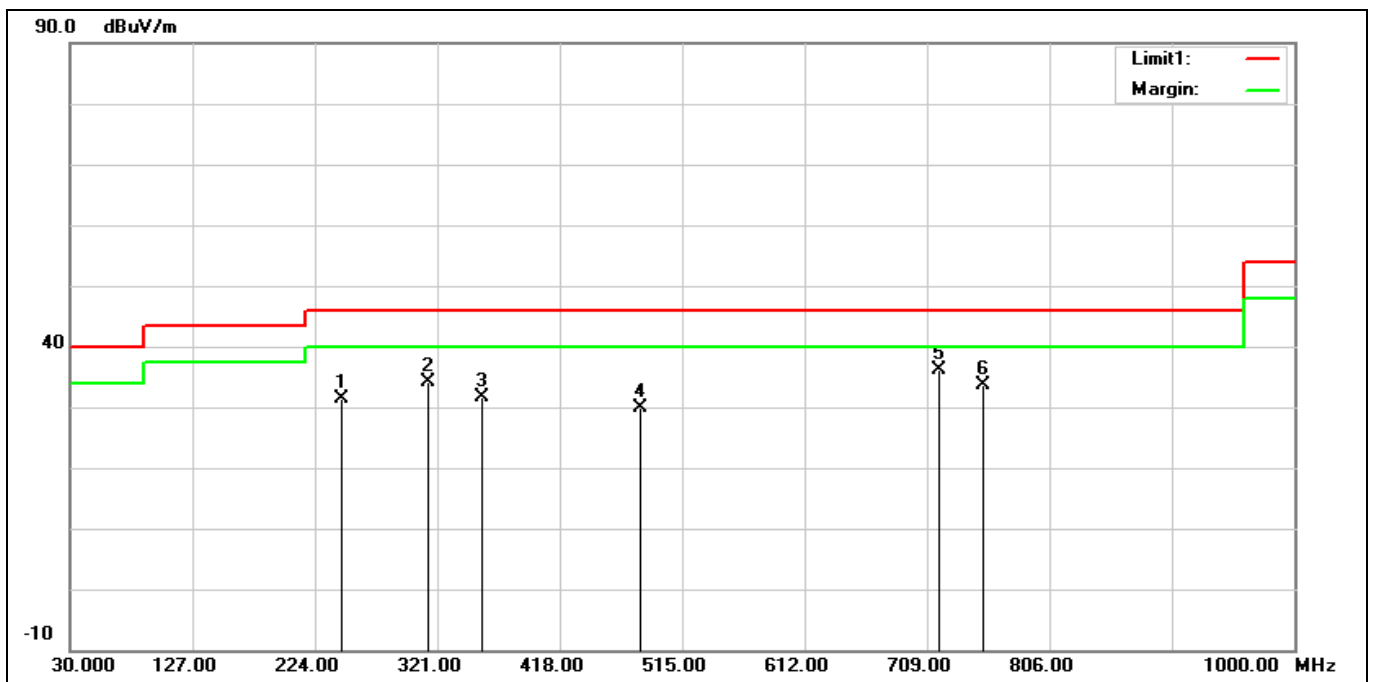
Reference Appendix A / Appendix B

### 5.3. Radiated Emission Measurement

Antenna brand: iRobot

Below 1 GHz

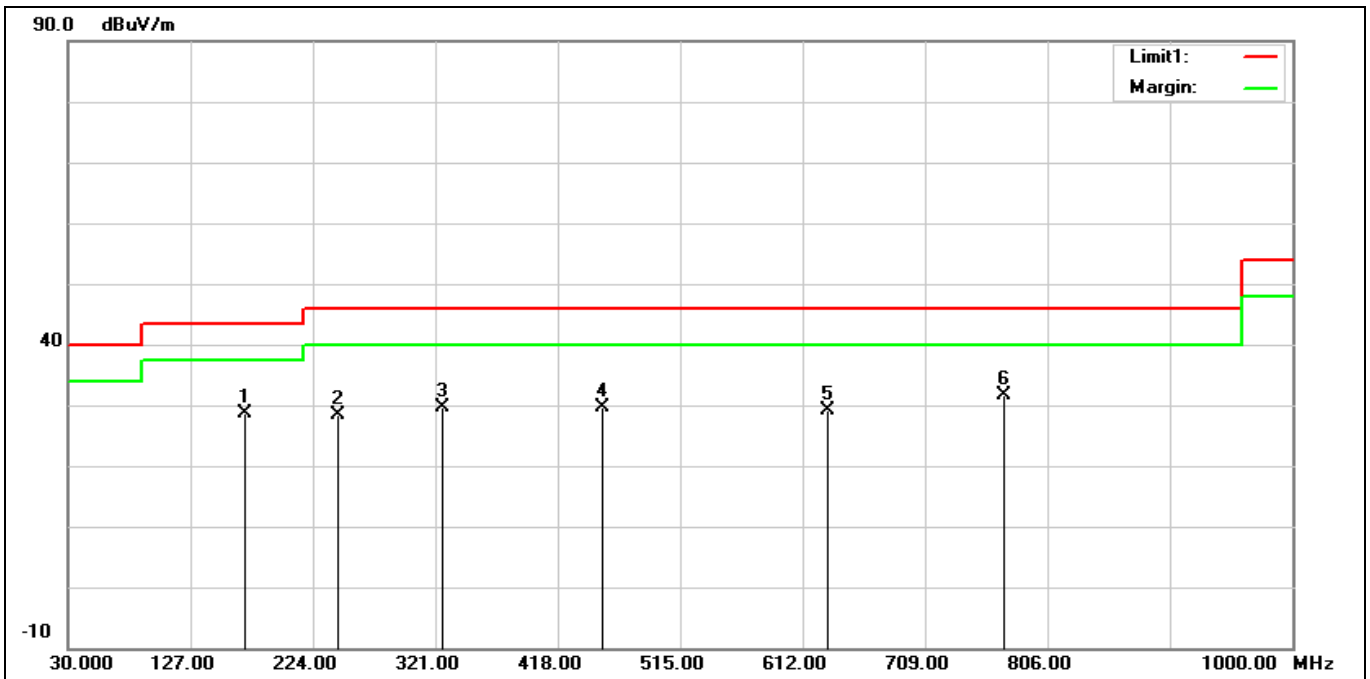
Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_GFSK 2402 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	245.3400	38.92	-7.49	31.43	46.00	-14.57	QP
2	314.2100	39.64	-5.50	34.14	46.00	-11.86	QP
3	355.9200	36.20	-4.62	31.58	46.00	-14.42	QP
4	482.0200	32.08	-2.17	29.91	46.00	-16.09	QP
5*	718.7000	34.03	2.07	36.10	46.00	-9.90	QP
6	753.6200	30.63	2.89	33.52	46.00	-12.48	QP



Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_GFSK 2402 MHz		
Remark:			

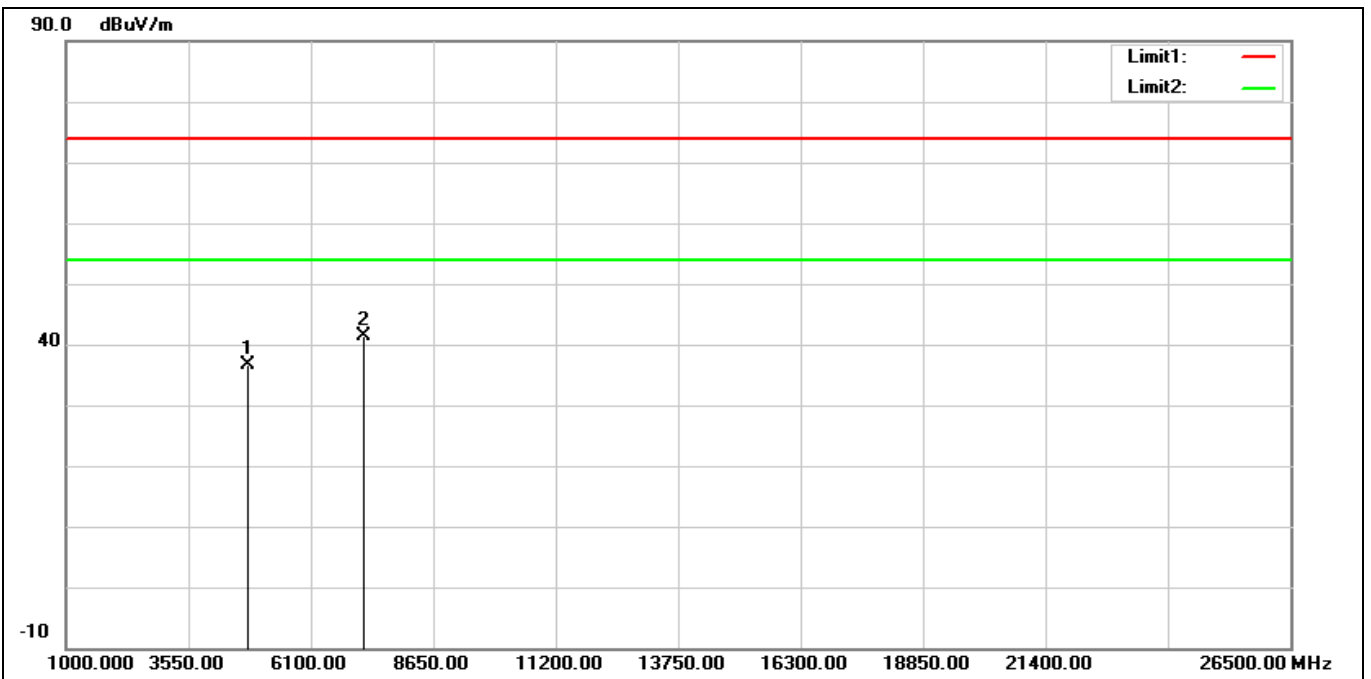


No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	169.6800	35.79	-7.06	28.73	43.50	-14.77	QP
2	243.4000	35.85	-7.55	28.30	46.00	-17.70	QP
3	326.8200	34.99	-5.24	29.75	46.00	-16.25	QP
4	452.9200	32.24	-2.55	29.69	46.00	-16.31	QP
5	631.4000	28.82	0.34	29.16	46.00	-16.84	QP
6*	772.0500	28.53	3.22	31.75	46.00	-14.25	QP

Harmonic

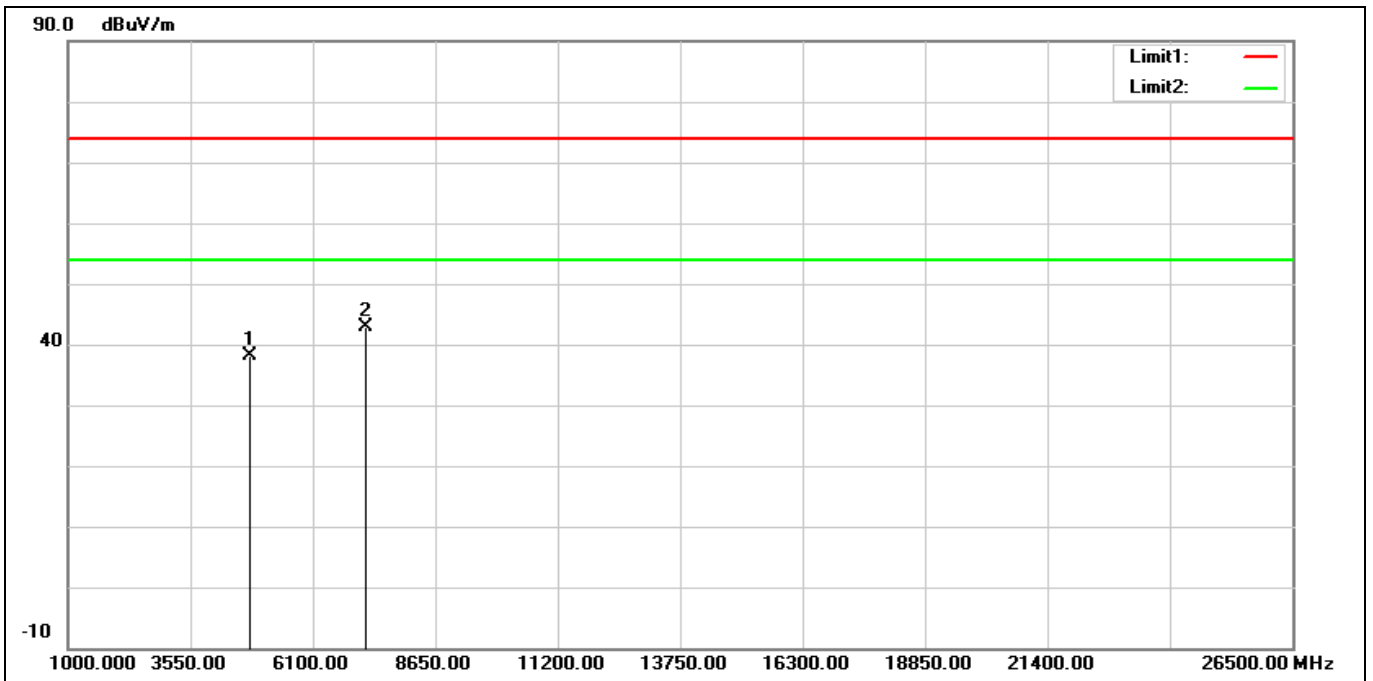
Above 1 GHz

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_GFSK 2402 MHz		
Remark:			



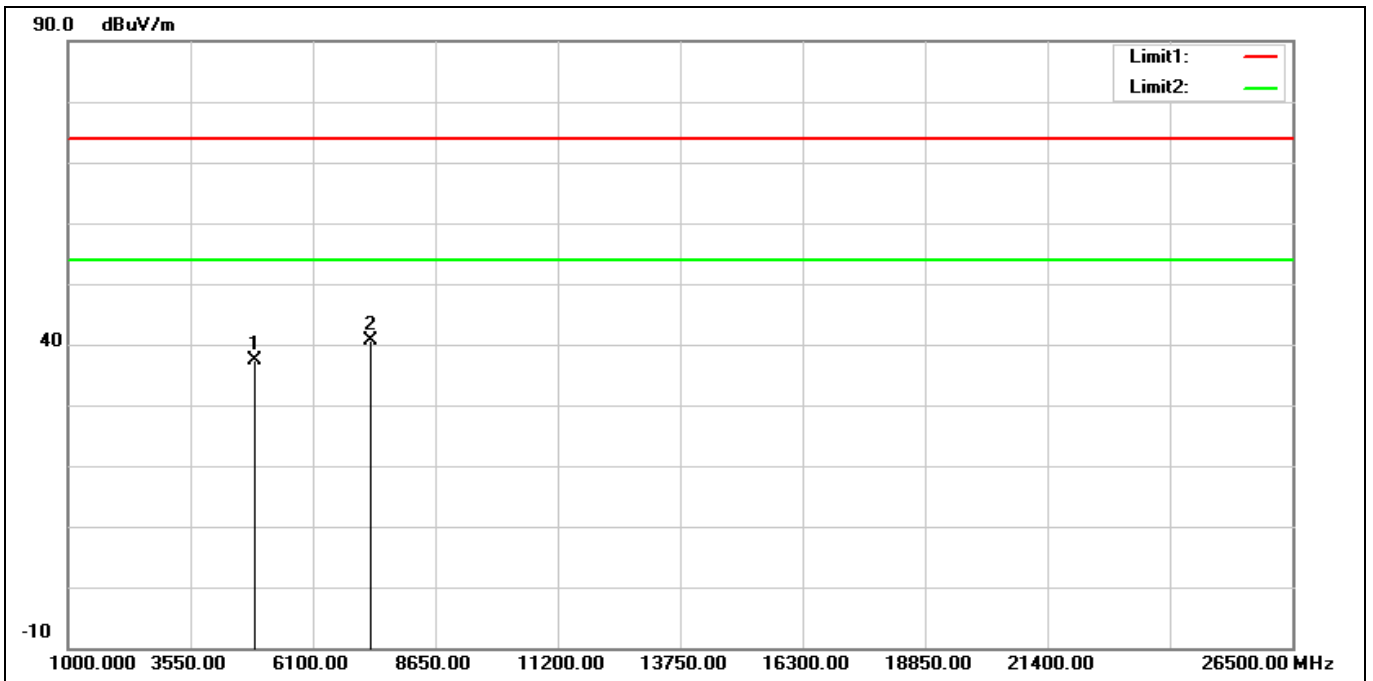
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	36.39	0.29	36.68	74.00	-37.32	peak
2*	7206.000	33.62	7.82	41.44	74.00	-32.56	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_GFSK 2402 MHz		
Remark:			



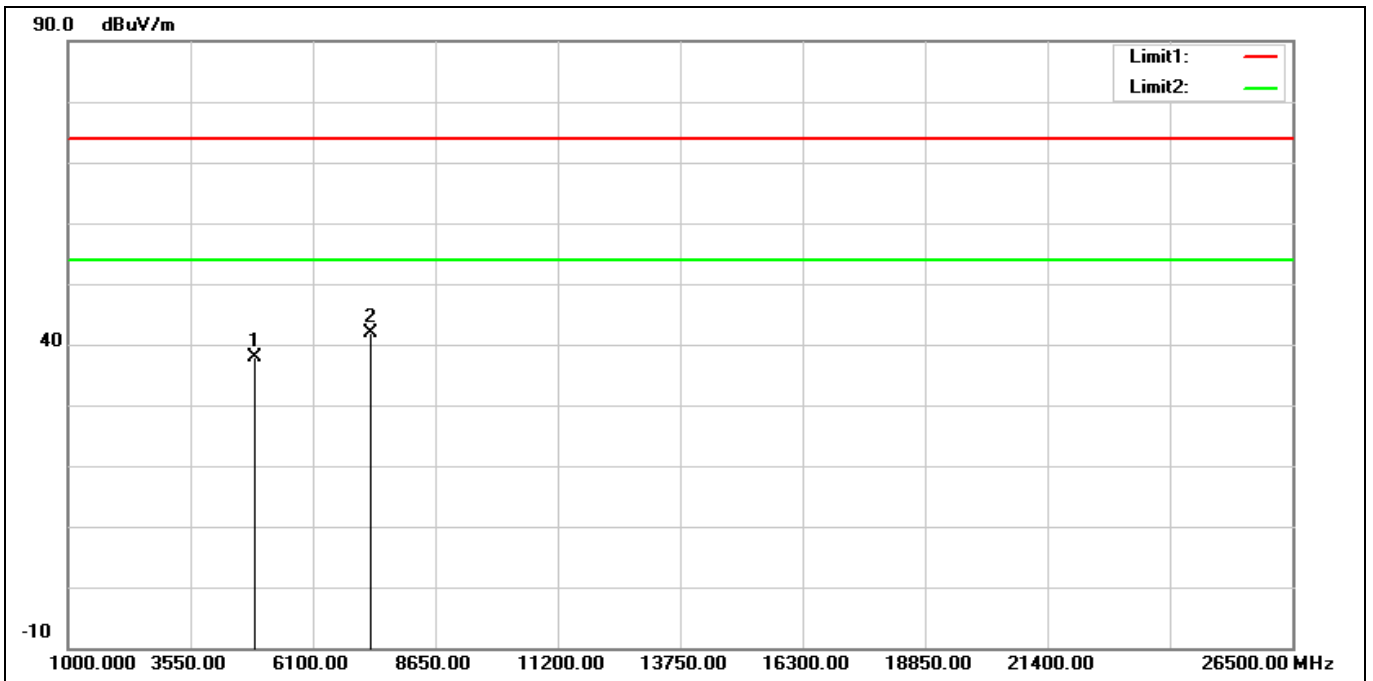
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	37.77	0.29	38.06	74.00	-35.94	peak
2*	7206.000	35.03	7.82	42.85	74.00	-31.15	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_GFSK 2441 MHz		
Remark:			



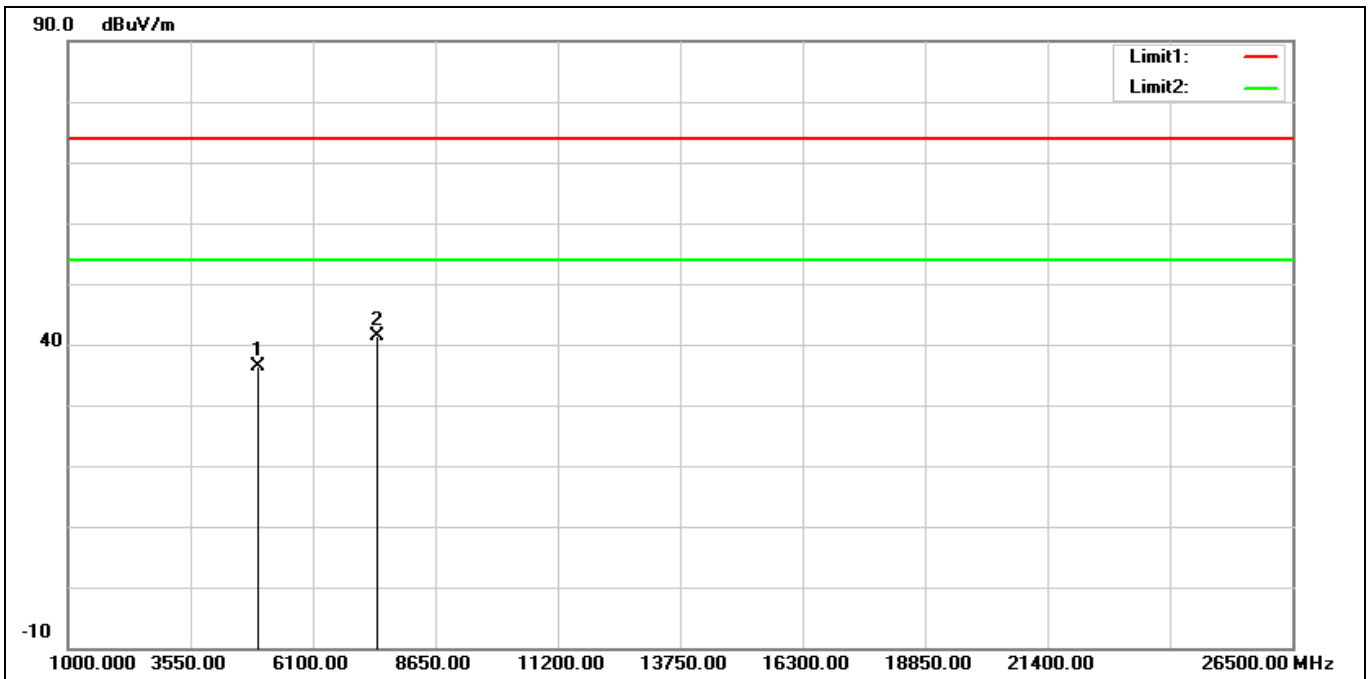
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4882.000	36.90	0.38	37.28	74.00	-36.72	peak
2*	7323.000	32.57	7.99	40.56	74.00	-33.44	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_GFSK 2441 MHz		
Remark:			



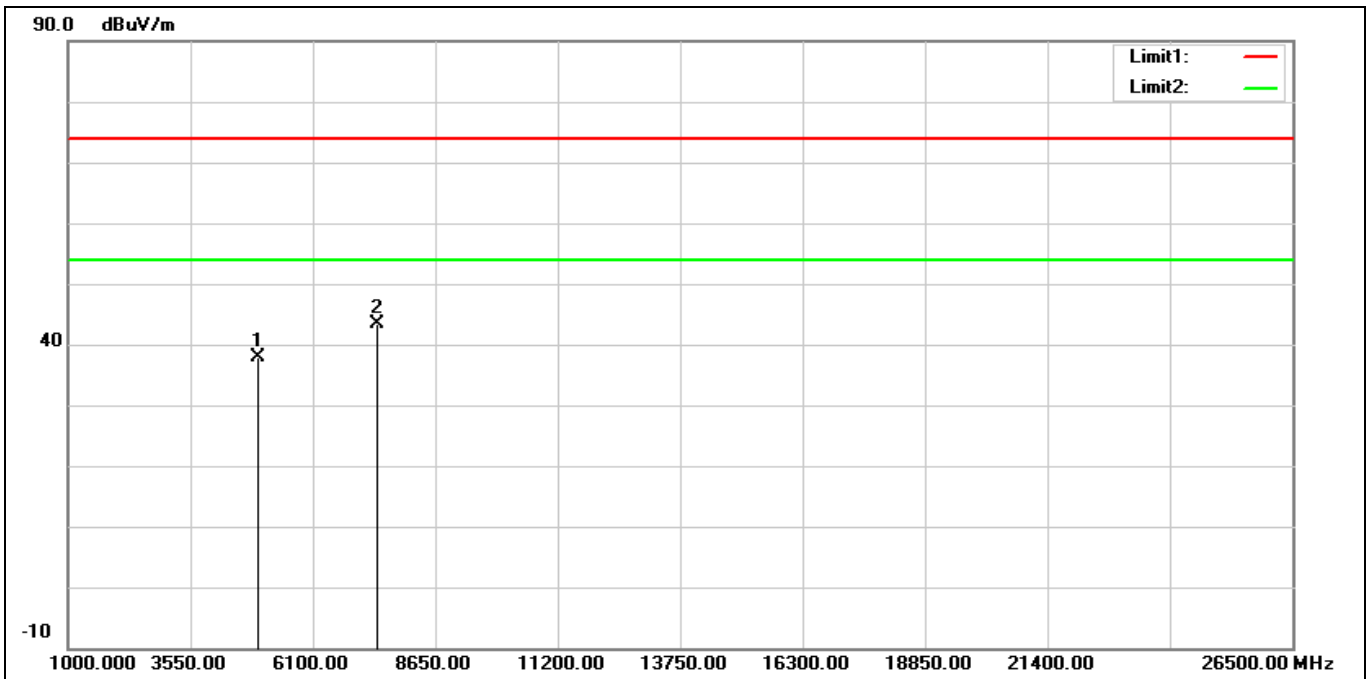
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4882.000	37.44	0.38	37.82	74.00	-36.18	peak
2*	7323.000	33.88	7.99	41.87	74.00	-32.13	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_GFSK 2480 MHz		
Remark:			



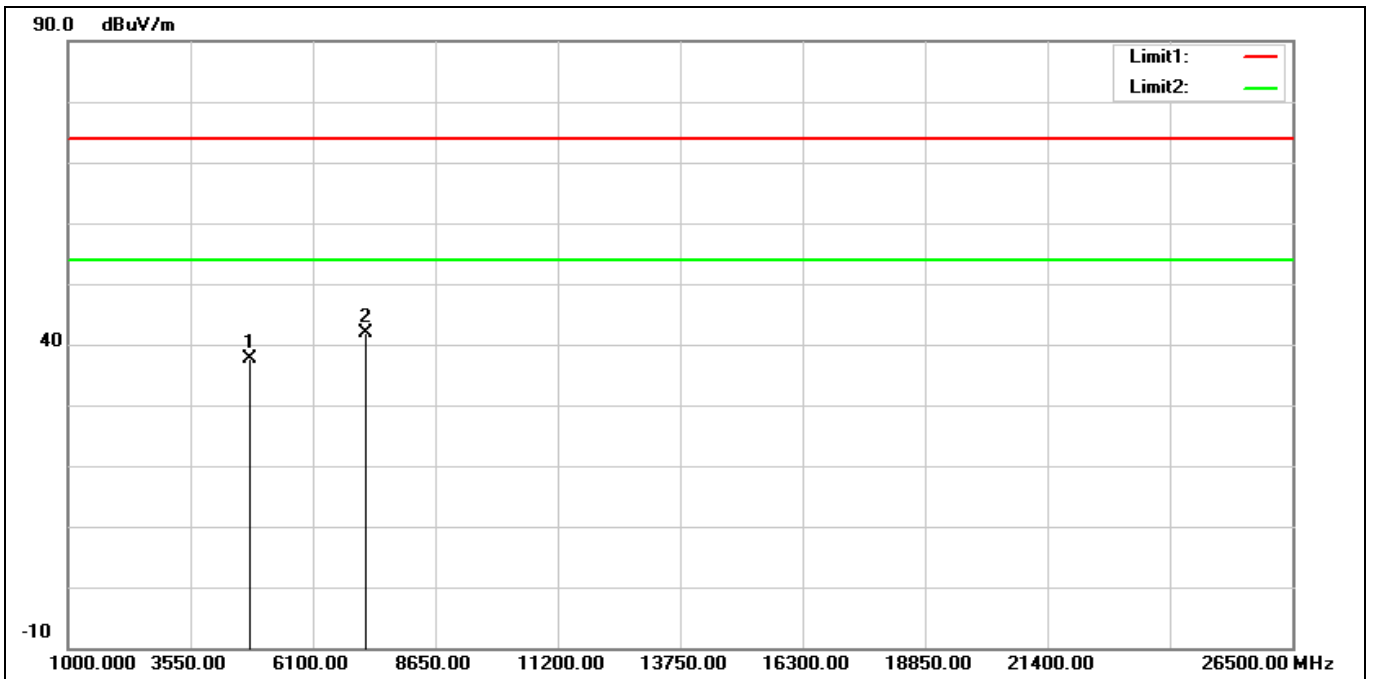
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4960.000	35.89	0.57	36.46	74.00	-37.54	peak
2*	7440.000	33.02	8.34	41.36	74.00	-32.64	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_GFSK 2480 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4960.000	37.34	0.57	37.91	74.00	-36.09	peak
2*	7440.000	34.98	8.34	43.32	74.00	-30.68	peak

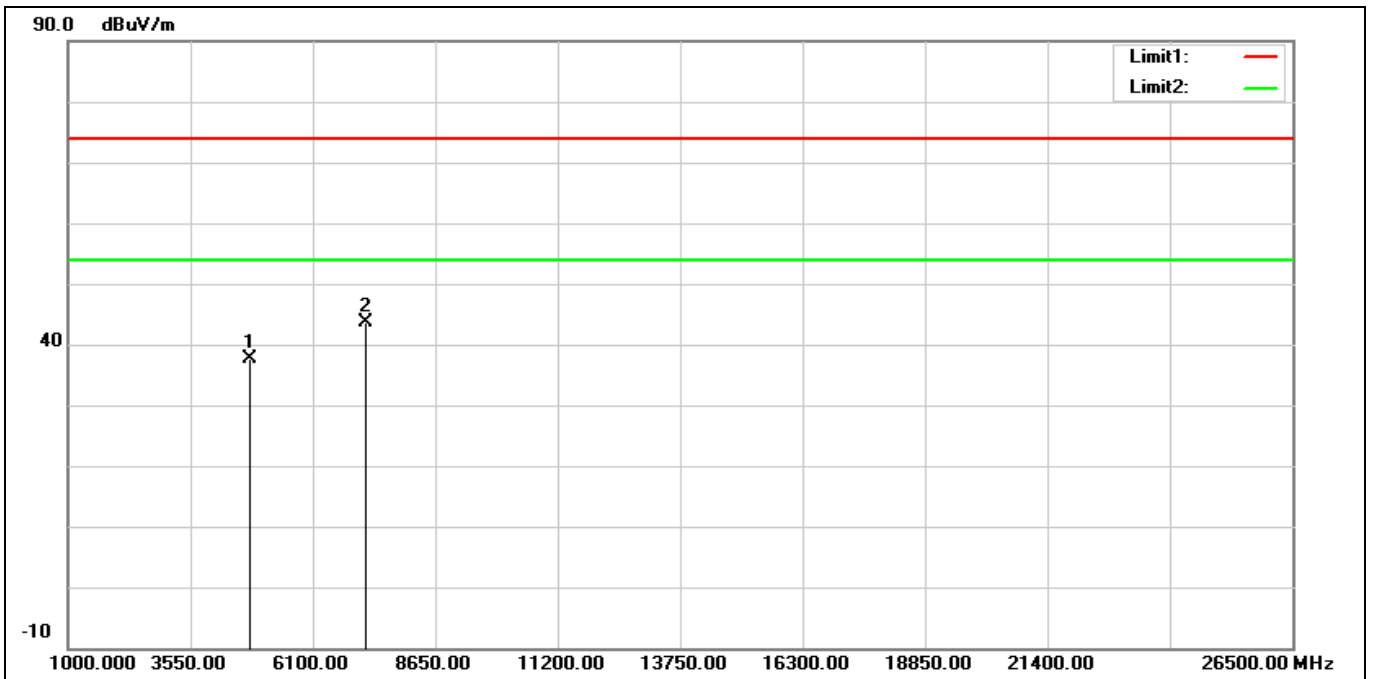
Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_8DPSK 2402 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	37.32	0.29	37.61	74.00	-36.39	peak
2*	7206.000	33.95	7.82	41.77	74.00	-32.23	peak

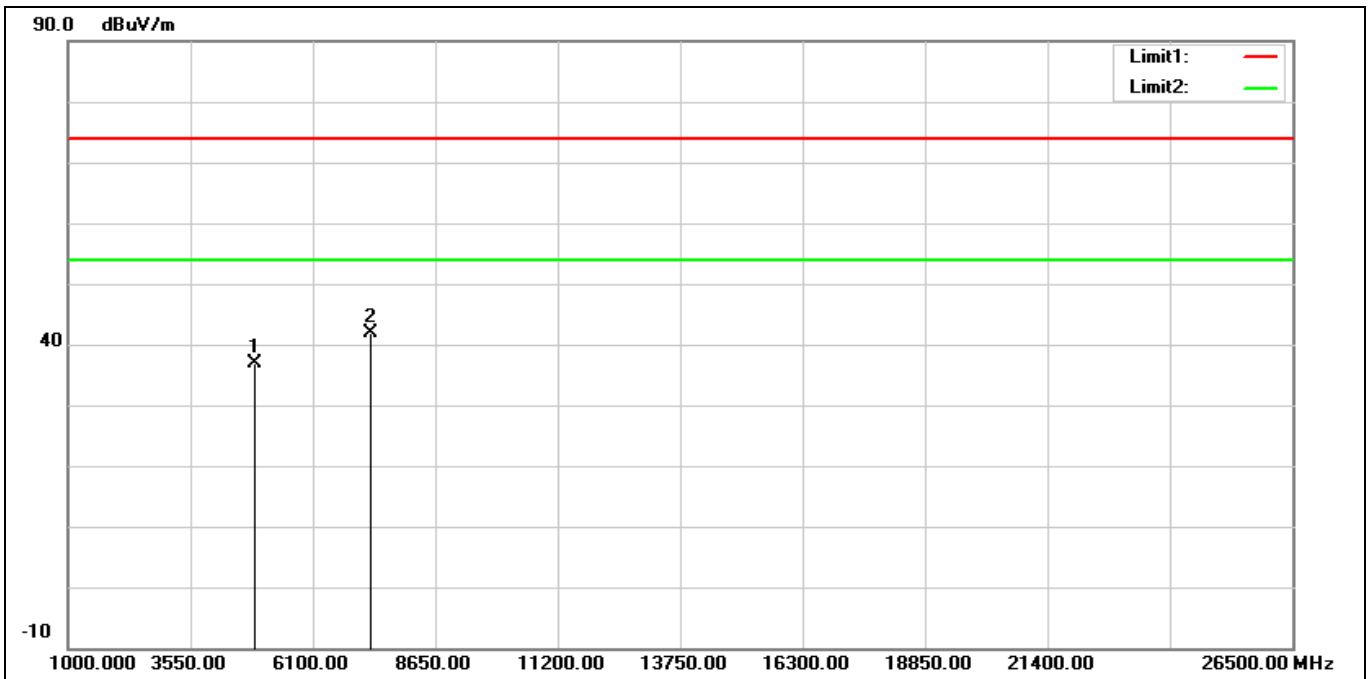


Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_8DPSK 2402 MHz		
Remark:			



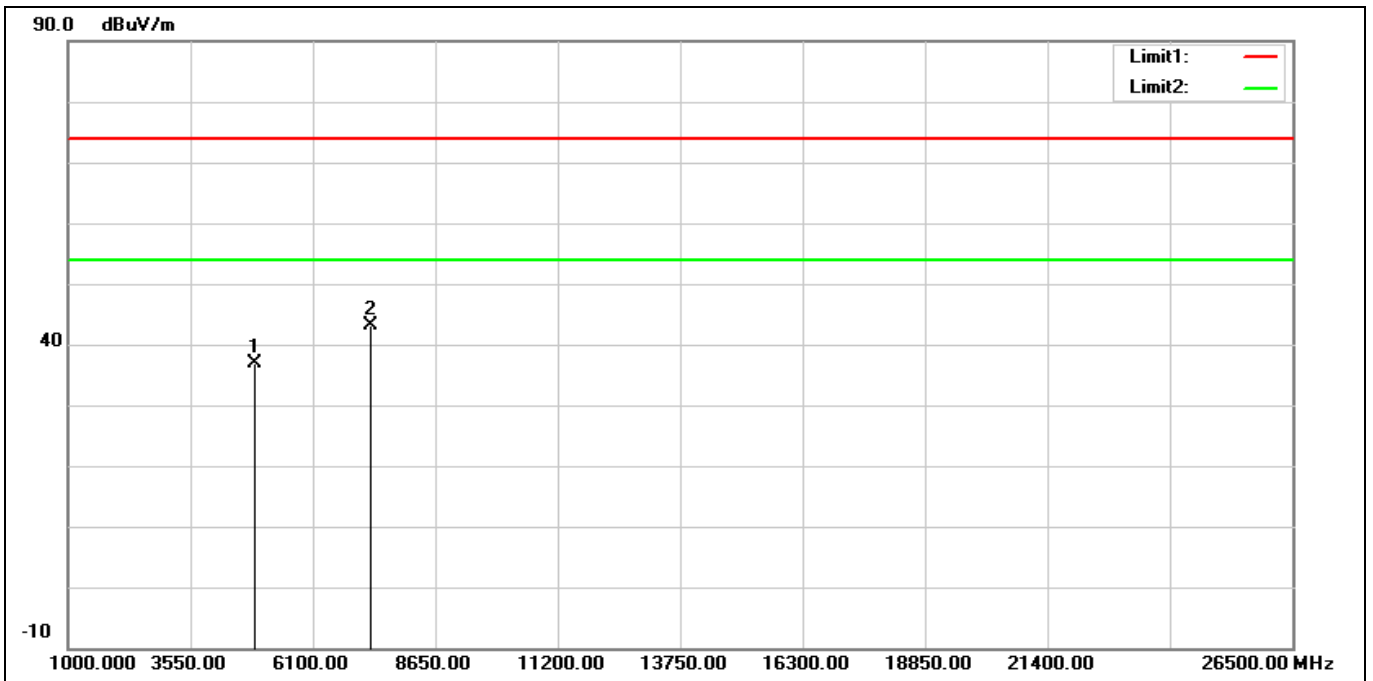
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	37.40	0.29	37.69	74.00	-36.31	peak
2*	7206.000	35.75	7.82	43.57	74.00	-30.43	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_8DPSK 2441 MHz		
Remark:			



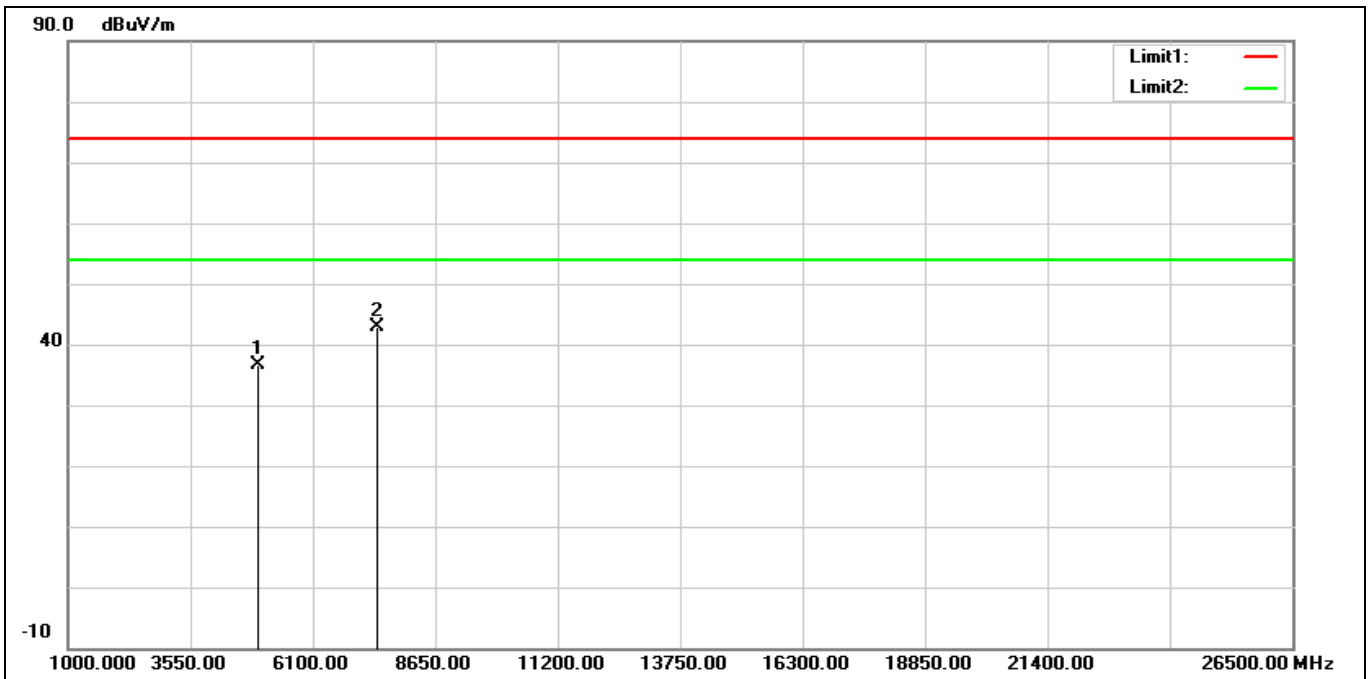
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4882.000	36.52	0.38	36.90	74.00	-37.10	peak
2*	7323.000	33.91	7.99	41.90	74.00	-32.10	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_8DPSK 2441 MHz		
Remark:			



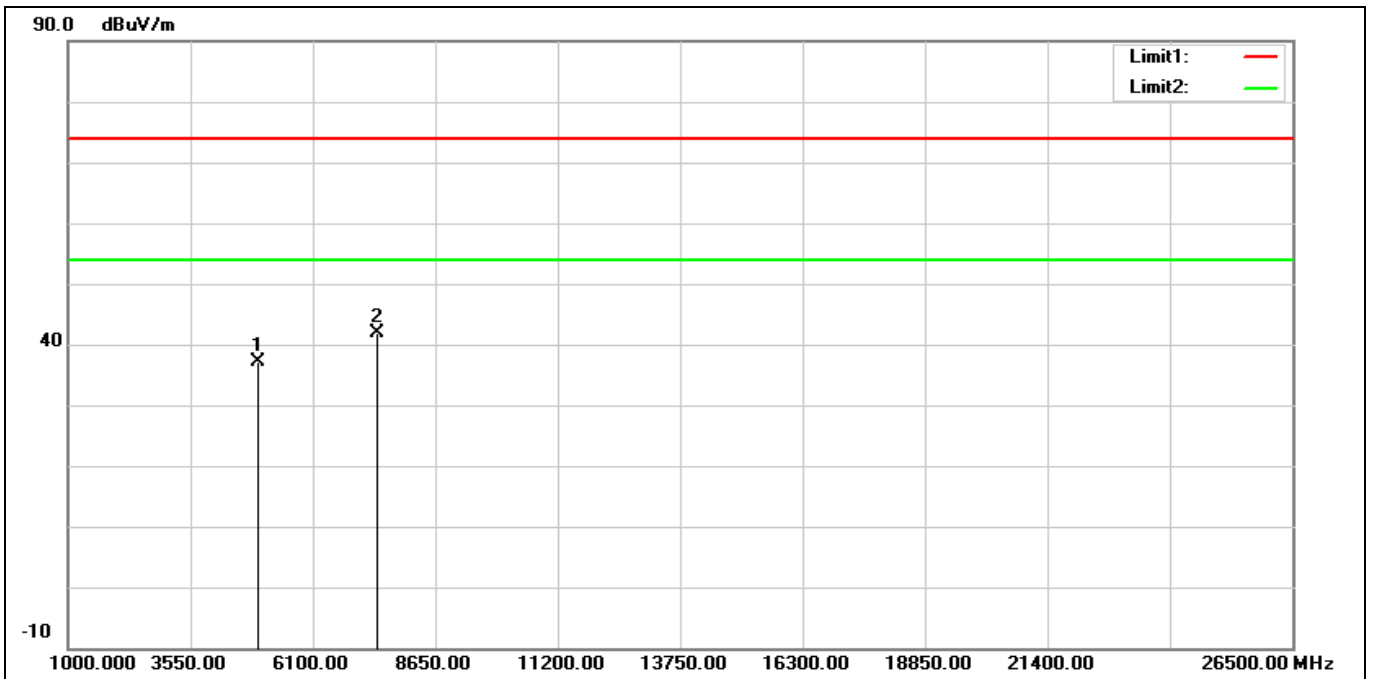
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4882.000	36.48	0.38	36.86	74.00	-37.14	peak
2*	7323.000	35.14	7.99	43.13	74.00	-30.87	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_8DPSK 2480 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4960.000	35.99	0.57	36.56	74.00	-37.44	peak
2*	7440.000	34.47	8.34	42.81	74.00	-31.19	peak

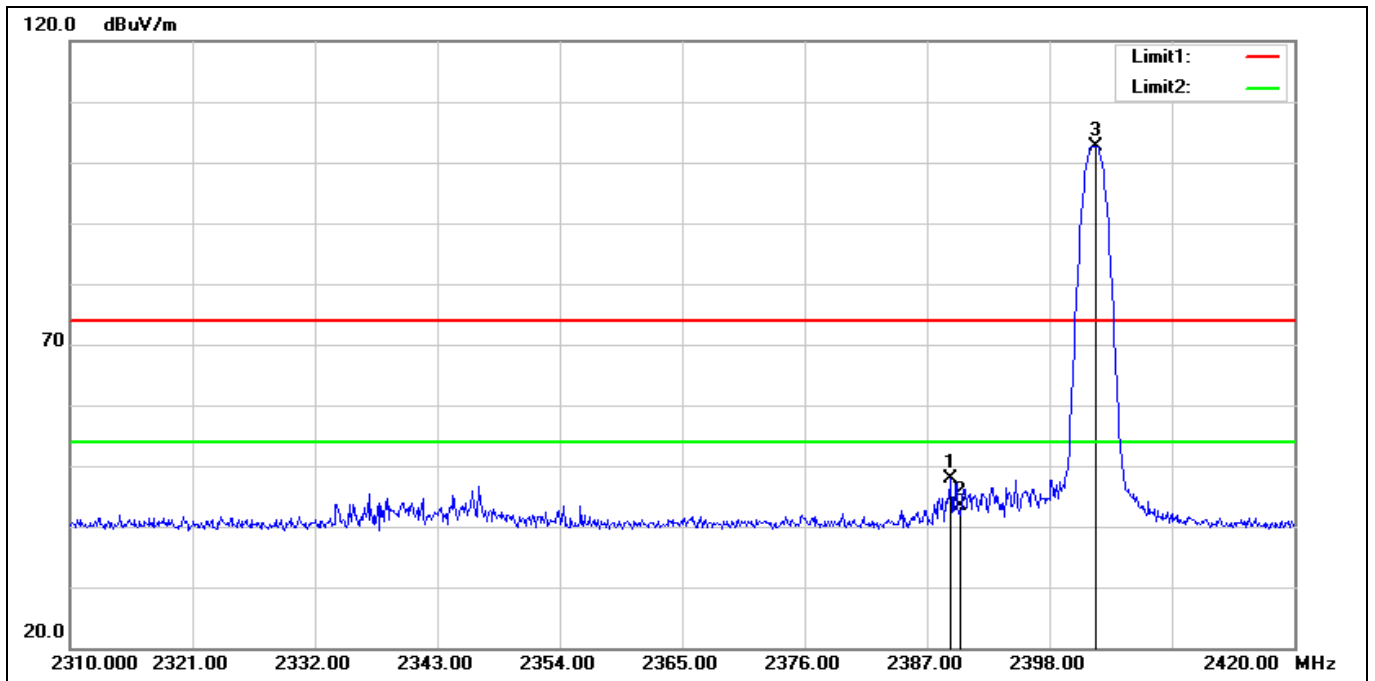
Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_8DPSK 2480 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4960.000	36.48	0.57	37.05	74.00	-36.95	peak
2*	7440.000	33.61	8.34	41.95	74.00	-32.05	peak

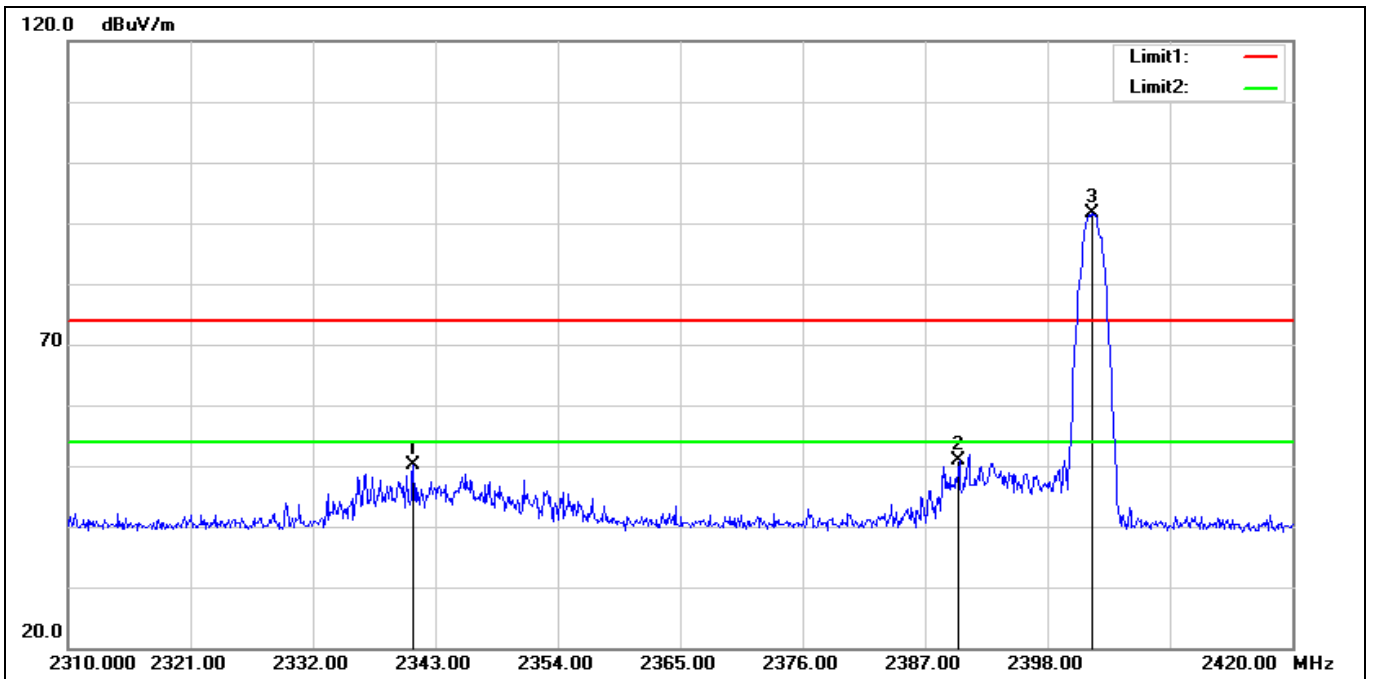
**Band Edge**

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_GFSK 2402 MHz		
Remark:			



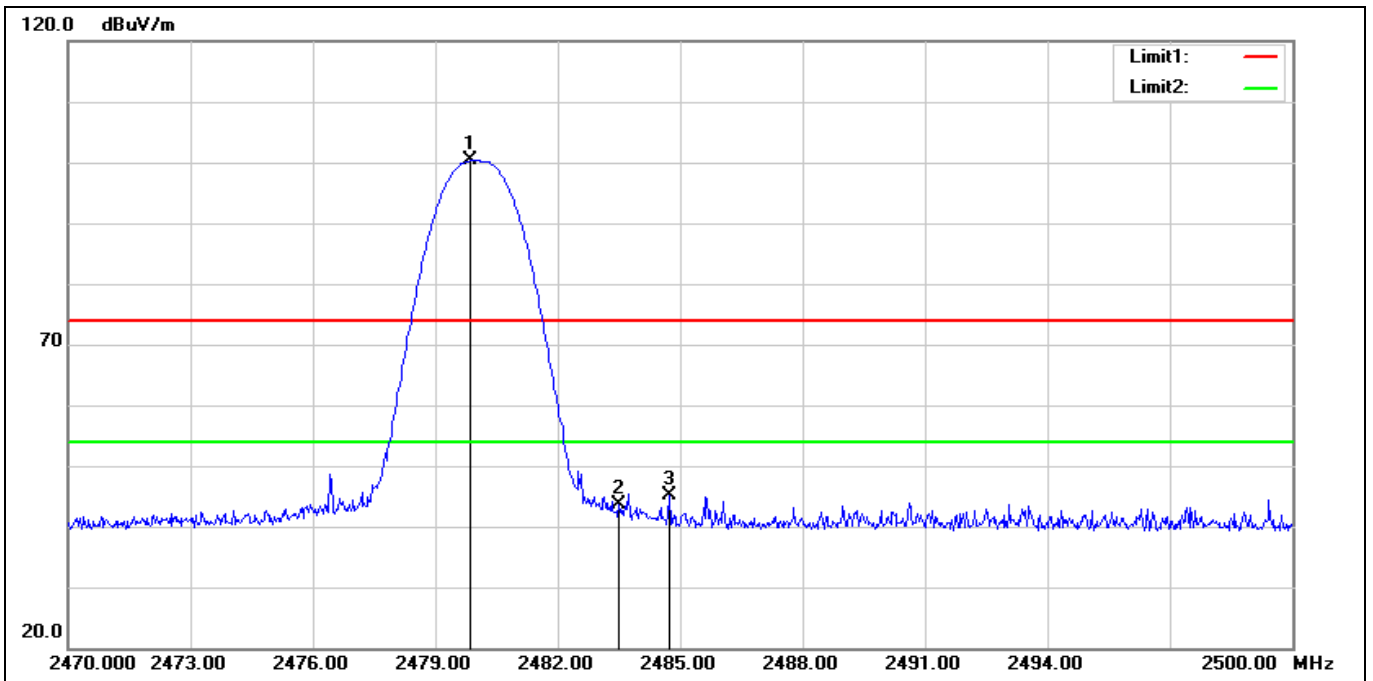
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.090	54.18	-6.18	48.00	74.00	-26.00	peak
2	2390.000	49.45	-6.19	43.26	74.00	-30.74	peak
3*	2402.180	108.92	-6.25	102.67	74.00	28.67	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_GFSK 2402 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2341.020	56.16	-6.03	50.13	74.00	-23.87	peak
2	2390.000	56.99	-6.19	50.80	74.00	-23.20	peak
3*	2401.960	97.76	-6.25	91.51	74.00	17.51	peak

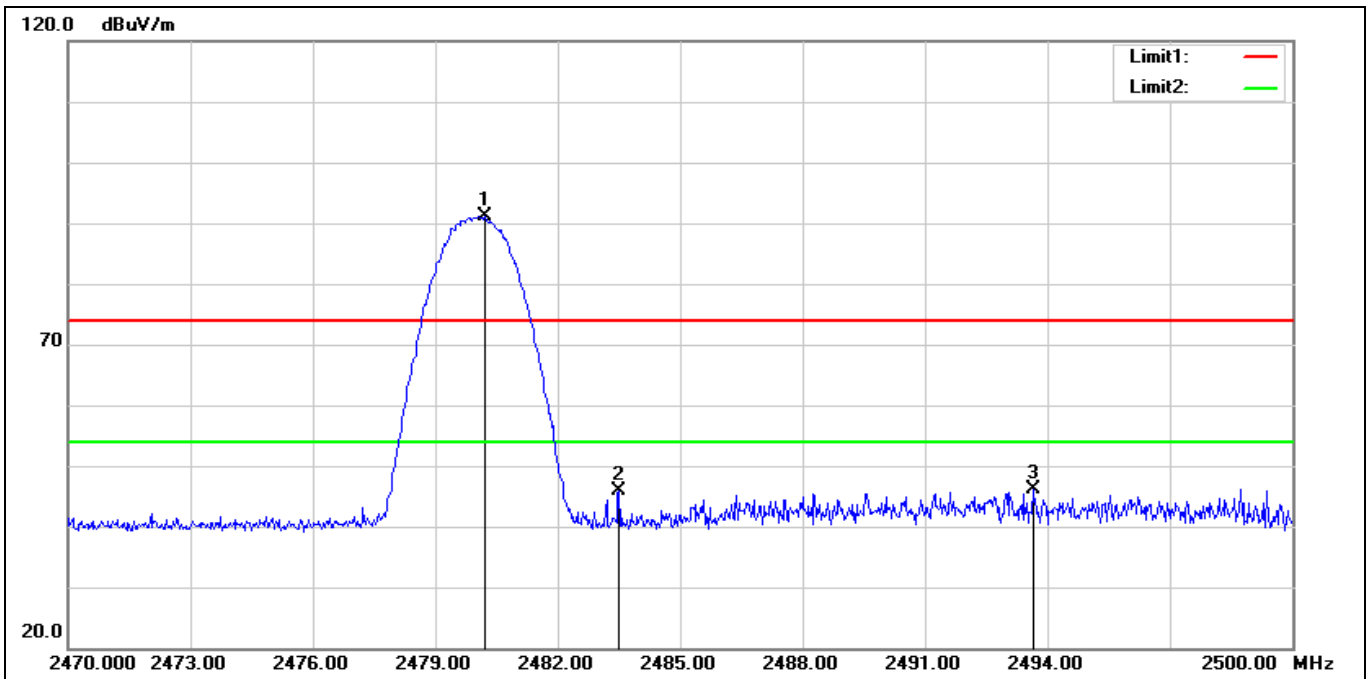
Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_GFSK 2480 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2479.840	106.76	-6.46	100.30	74.00	26.30	peak
2	2483.500	50.15	-6.46	43.69	74.00	-30.31	peak
3	2484.730	51.55	-6.47	45.08	74.00	-28.92	peak

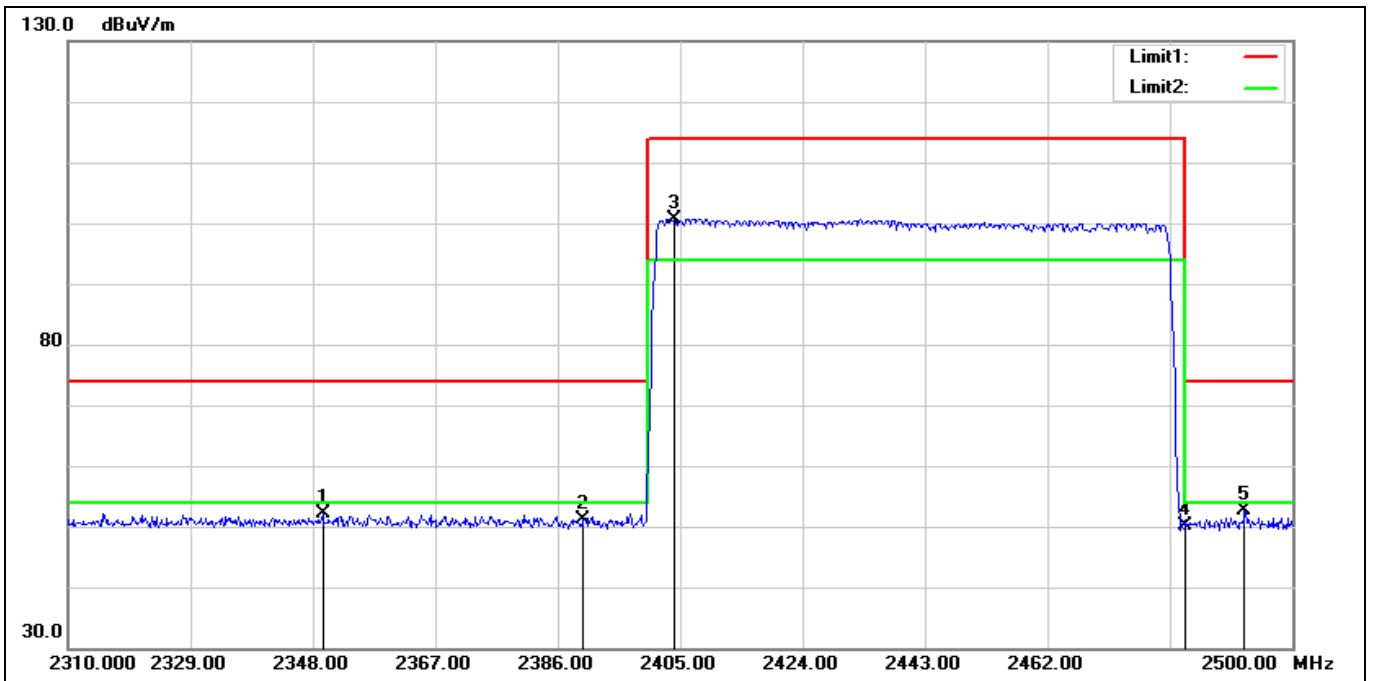


Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_GFSK 2480 MHz		
Remark:			



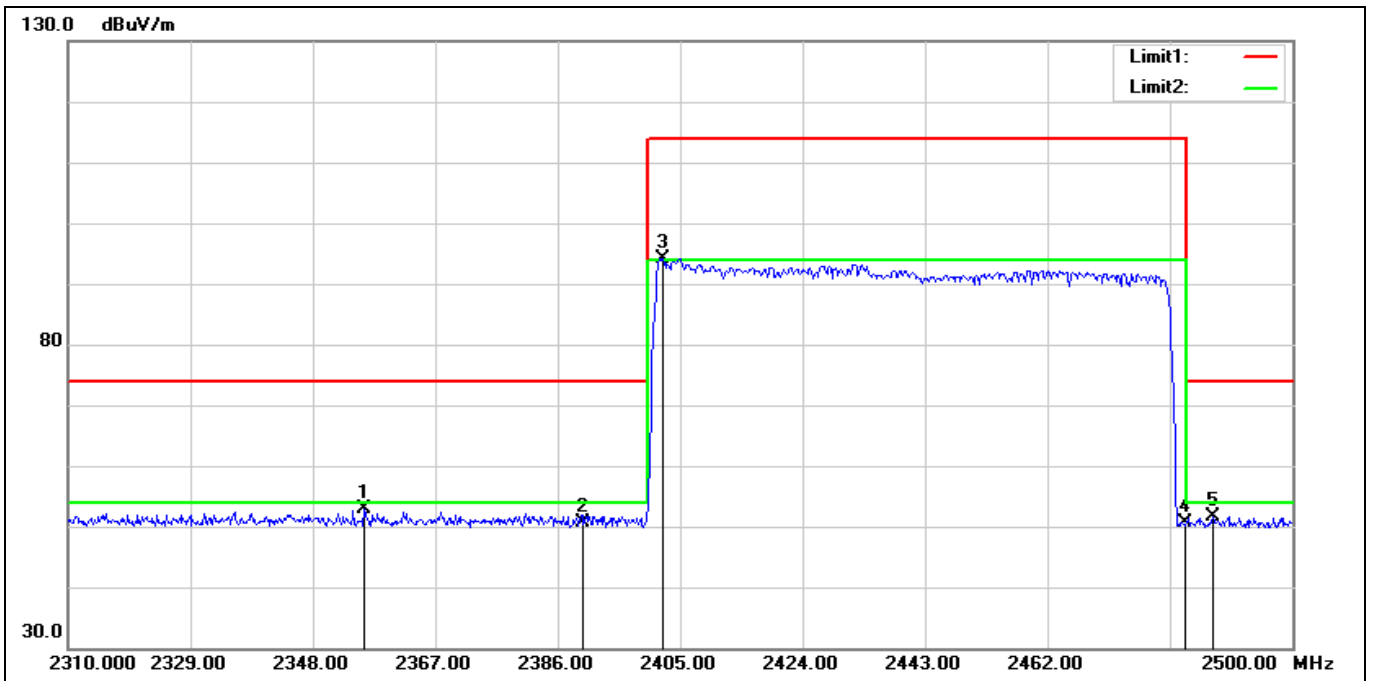
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2480.200	97.63	-6.46	91.17	74.00	17.17	peak
2	2483.500	52.28	-6.46	45.82	74.00	-28.18	peak
3	2493.640	52.70	-6.49	46.21	74.00	-27.79	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	1M_Hopping		
Remark:			



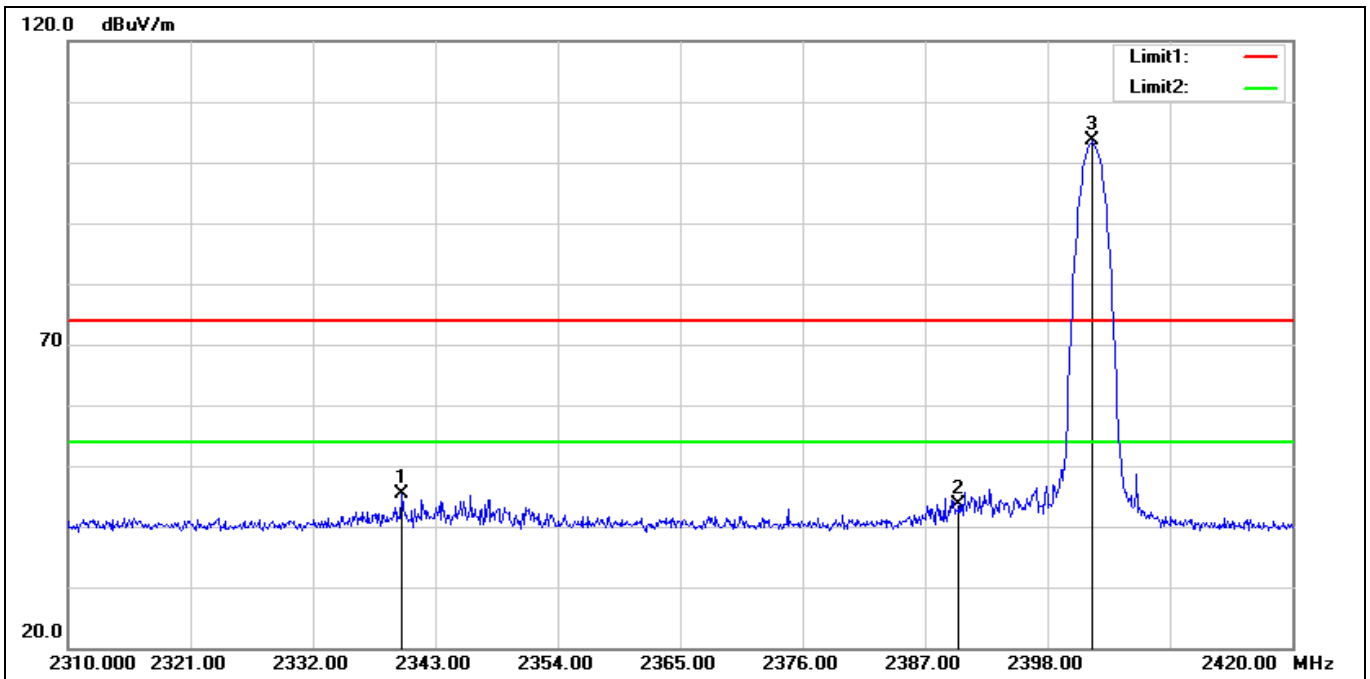
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2349.520	58.16	-6.00	52.16	74.00	-21.84	peak
2	2390.000	57.32	-6.19	51.13	74.00	-22.87	peak
3*	2404.050	106.97	-6.25	100.72	114.00	-13.28	peak
4	2483.500	56.63	-6.46	50.17	74.00	-23.83	peak
5	2492.590	59.11	-6.49	52.62	74.00	-21.38	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	1M_Hopping		
Remark:			



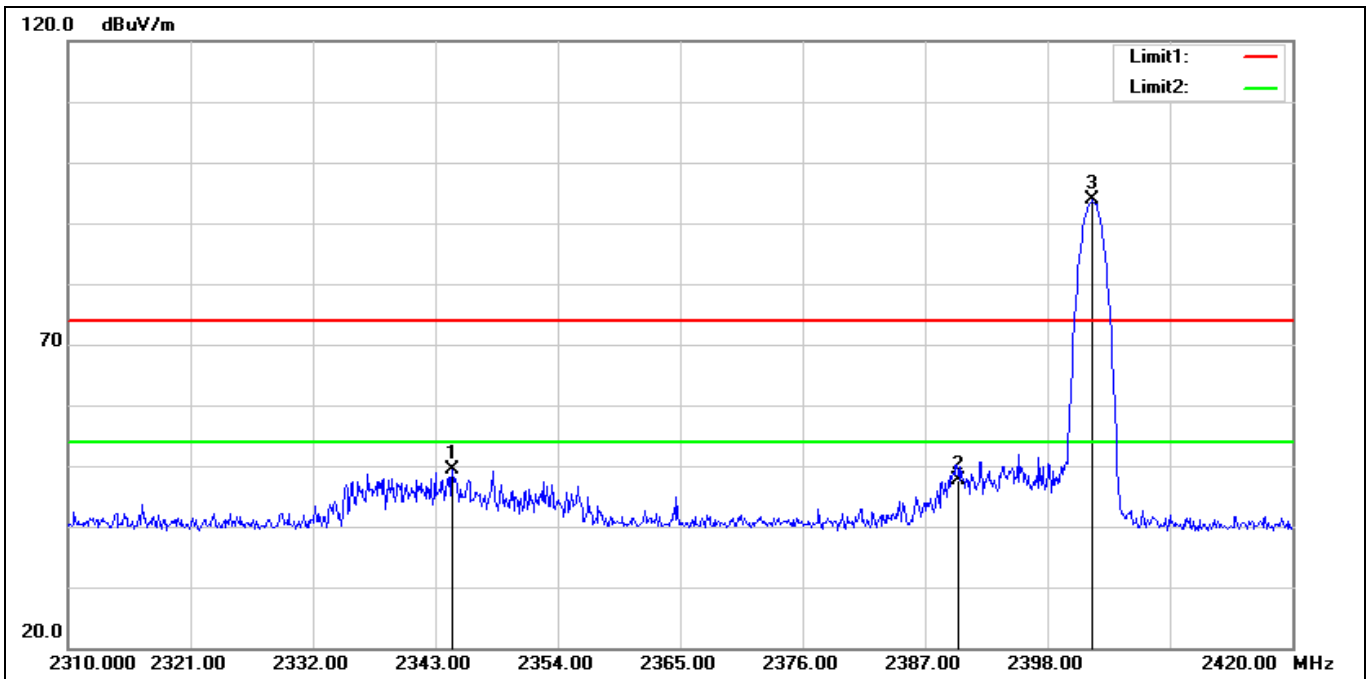
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2355.980	59.02	-6.03	52.99	74.00	-21.01	peak
2	2390.000	56.92	-6.19	50.73	74.00	-23.27	peak
3*	2402.340	100.36	-6.25	94.11	114.00	-19.89	peak
4	2483.500	57.06	-6.46	50.60	74.00	-23.40	peak
5	2487.650	58.07	-6.47	51.60	74.00	-22.40	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_8DPSK 2402 MHz		
Remark:			



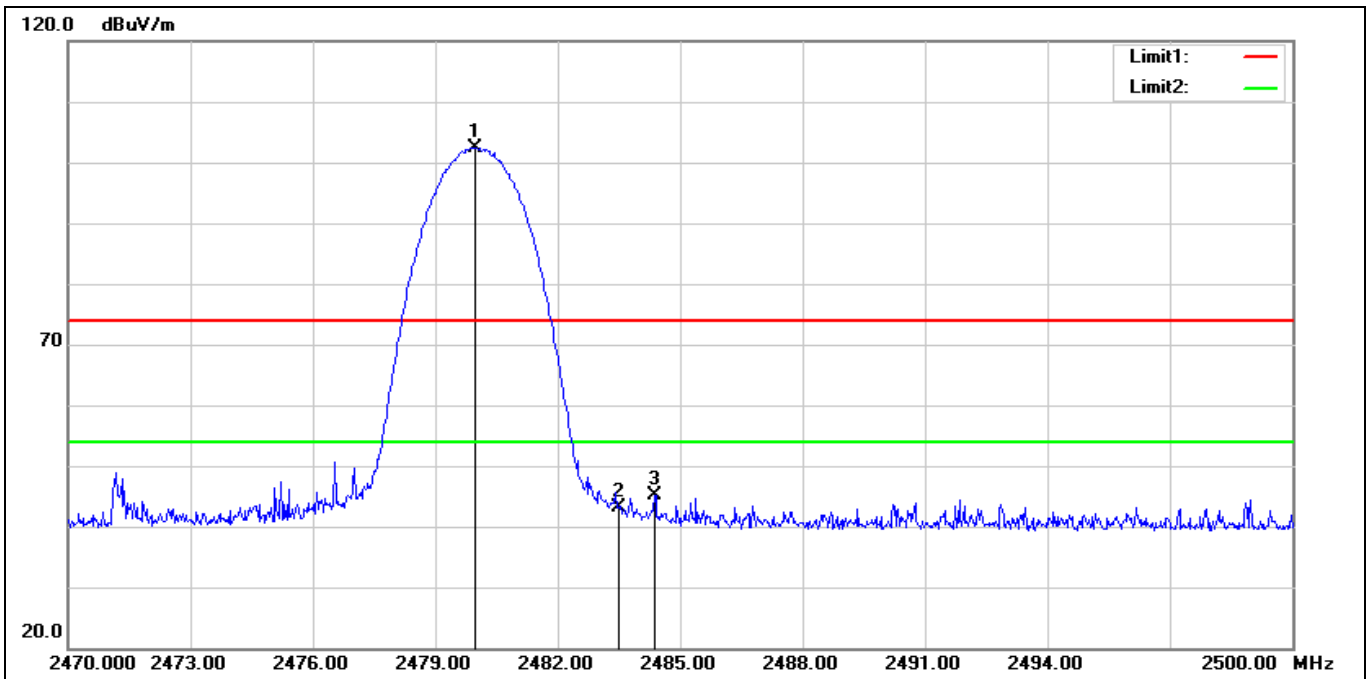
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2340.030	51.30	-6.03	45.27	74.00	-28.73	peak
2	2390.000	49.81	-6.19	43.62	74.00	-30.38	peak
3*	2402.070	109.88	-6.25	103.63	74.00	29.63	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_8DPSK 2402 MHz		
Remark:			



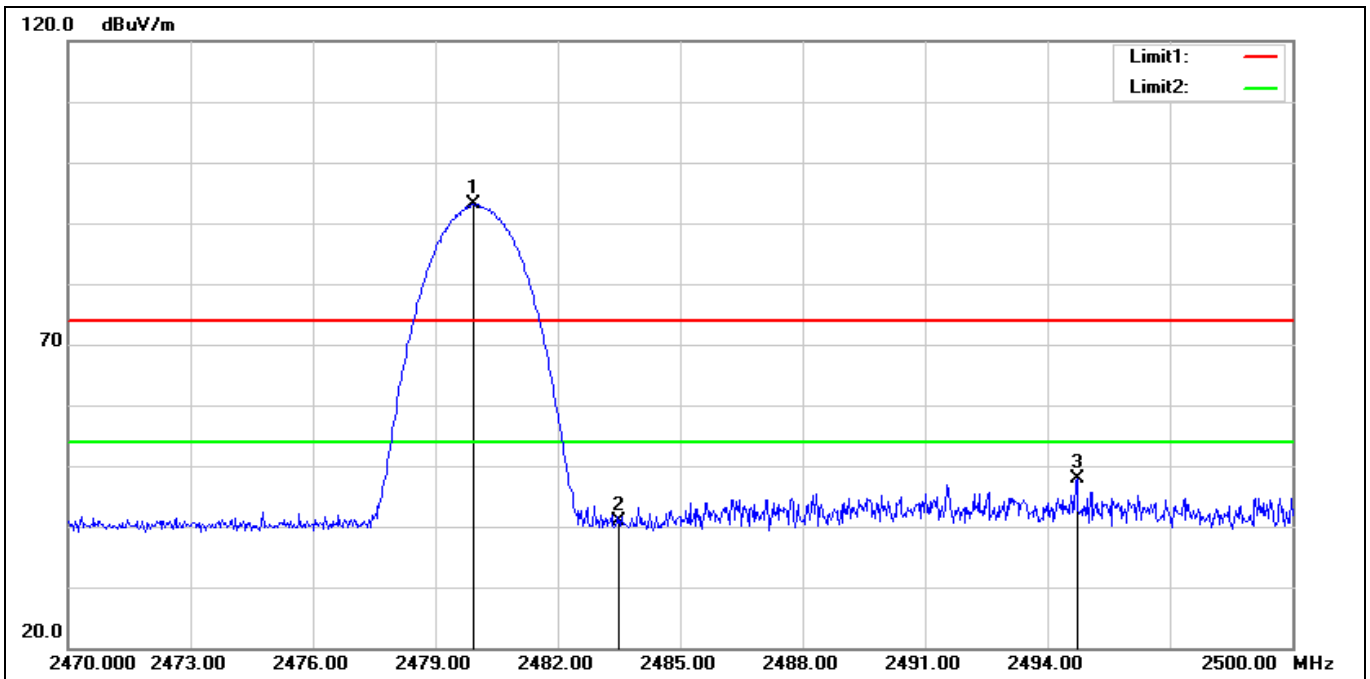
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2344.540	55.52	-6.02	49.50	74.00	-24.50	peak
2	2390.000	53.70	-6.19	47.51	74.00	-26.49	peak
3*	2402.070	100.25	-6.25	94.00	74.00	20.00	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_8DPSK 2480 MHz		
Remark:			



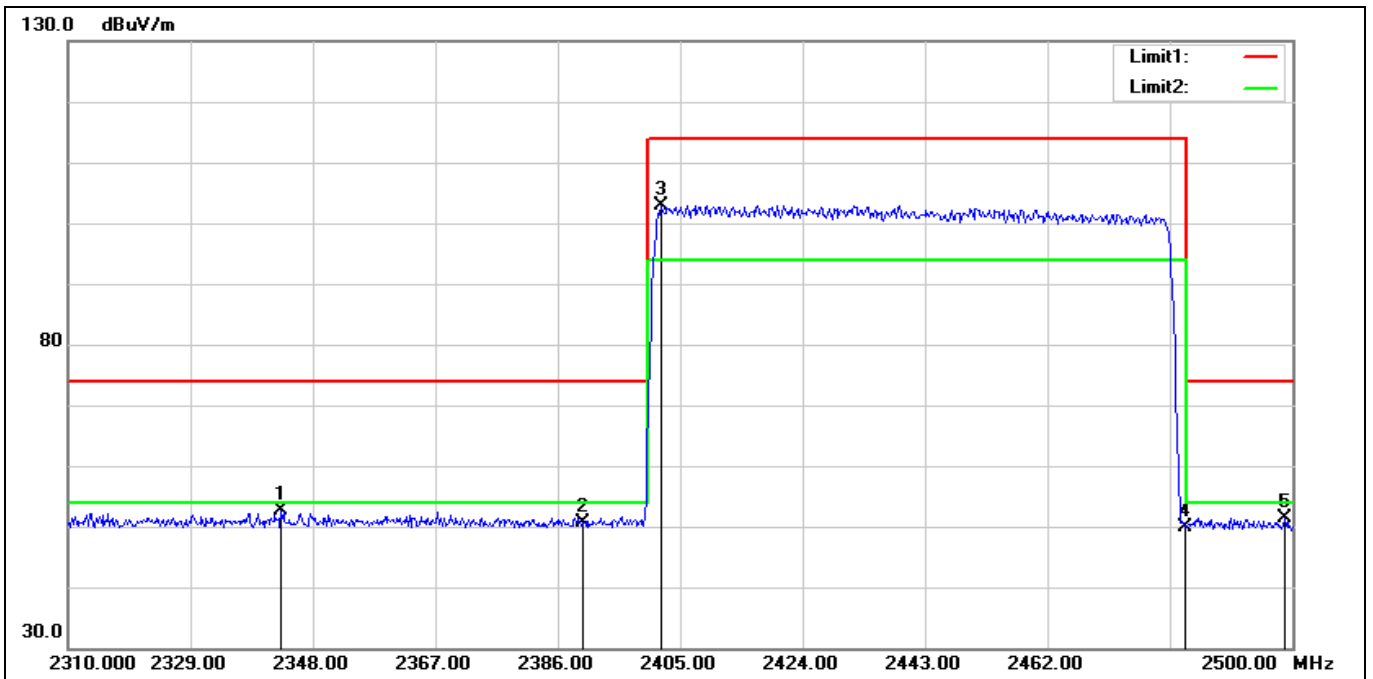
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2479.960	108.93	-6.46	102.47	74.00	28.47	peak
2	2483.500	49.50	-6.46	43.04	74.00	-30.96	peak
3	2484.370	51.60	-6.47	45.13	74.00	-28.87	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_8DPSK 2480 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2479.930	99.59	-6.46	93.13	74.00	19.13	peak
2	2483.500	47.38	-6.46	40.92	74.00	-33.08	peak
3	2494.720	54.32	-6.50	47.82	74.00	-26.18	peak

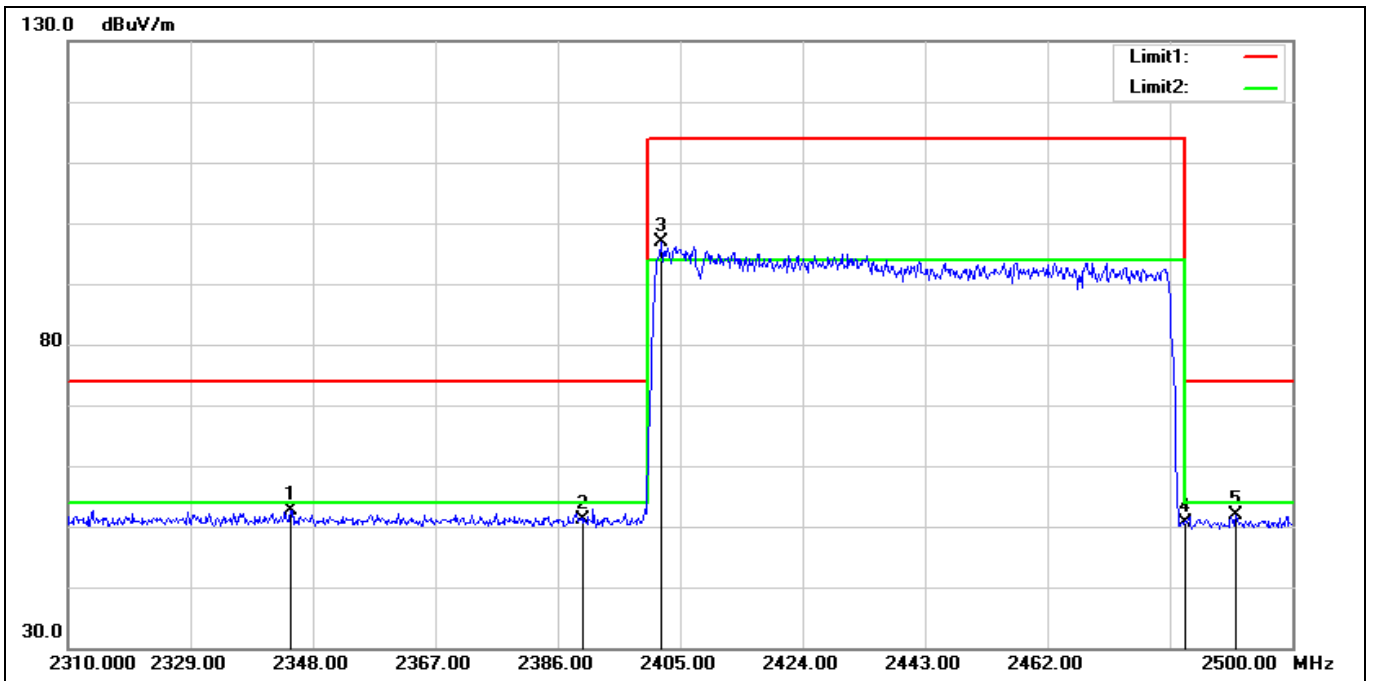
Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	3M_Hopping		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2343.060	58.62	-6.02	52.60	74.00	-21.40	peak
2	2390.000	56.94	-6.19	50.75	74.00	-23.25	peak
3*	2401.960	109.25	-6.25	103.00	114.00	-11.00	peak
4	2483.500	56.43	-6.46	49.97	74.00	-24.03	peak
5	2498.860	58.00	-6.51	51.49	74.00	-22.51	peak



Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	3M_Hopping		
Remark:			

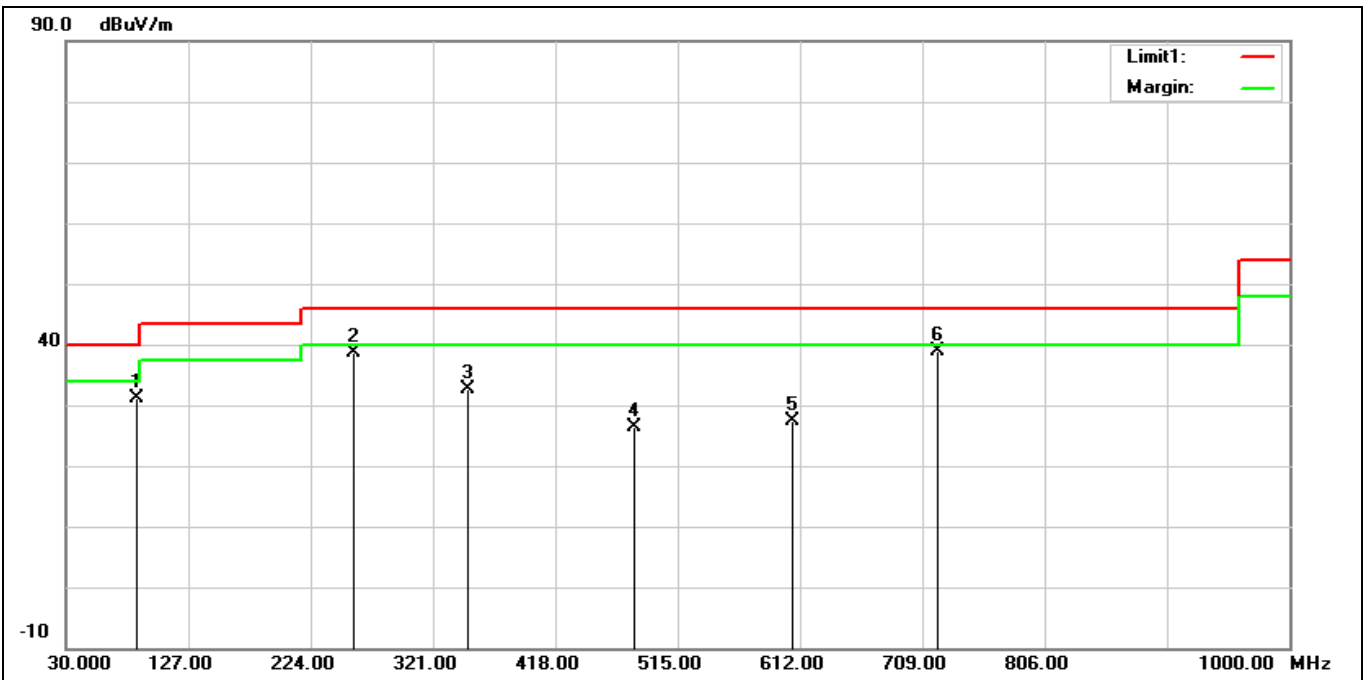


No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2344.580	58.58	-6.02	52.56	74.00	-21.44	peak
2	2390.000	57.36	-6.19	51.17	74.00	-22.83	peak
3*	2402.150	103.18	-6.25	96.93	114.00	-17.07	peak
4	2483.500	57.14	-6.46	50.68	74.00	-23.32	peak
5	2491.260	58.26	-6.49	51.77	74.00	-22.23	peak

Antenna brand: ABRACON

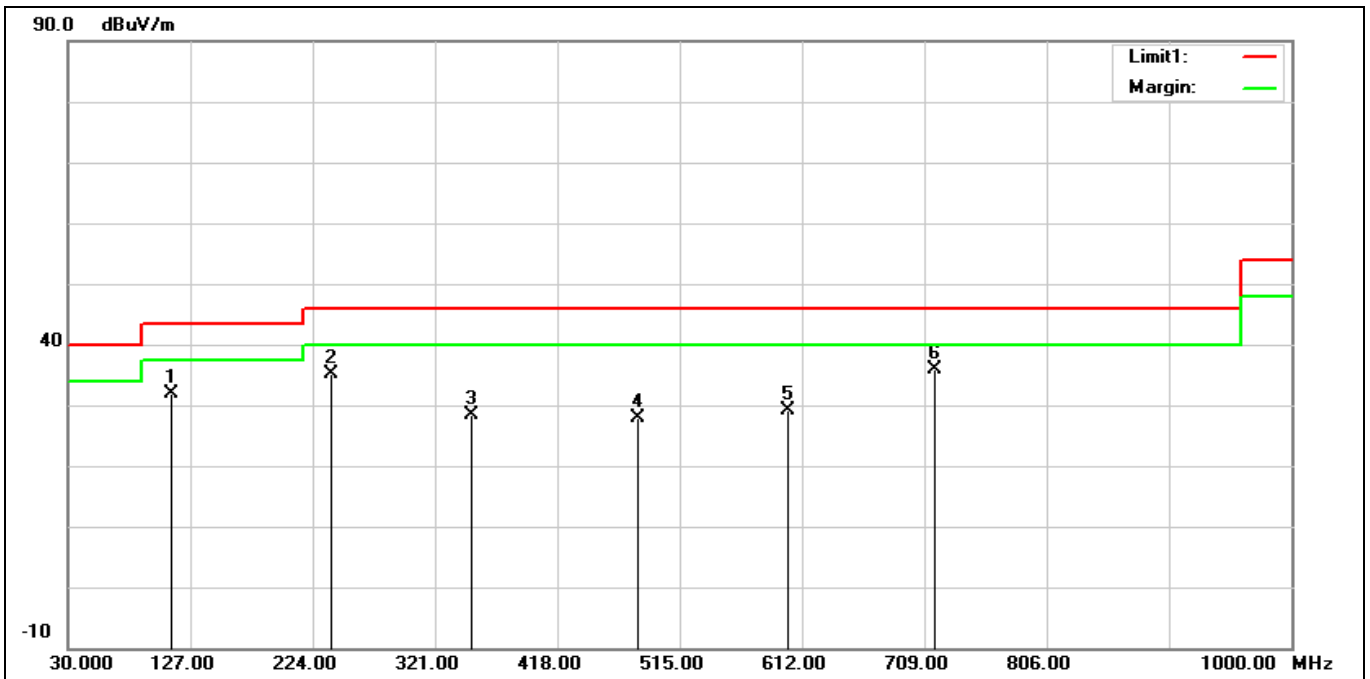
Below 1 GHz

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_8DPSK 2402 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	86.2600	44.18	-13.01	31.17	40.00	-8.83	QP
2	257.9500	45.81	-7.12	38.69	46.00	-7.31	QP
3	349.1300	37.37	-4.76	32.61	46.00	-13.39	QP
4	481.0500	28.51	-2.18	26.33	46.00	-19.67	QP
5	606.1800	27.04	0.25	27.29	46.00	-18.71	QP
6*	721.6100	36.68	2.13	38.81	46.00	-7.19	QP

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_8DPSK 2402 MHz		
Remark:			

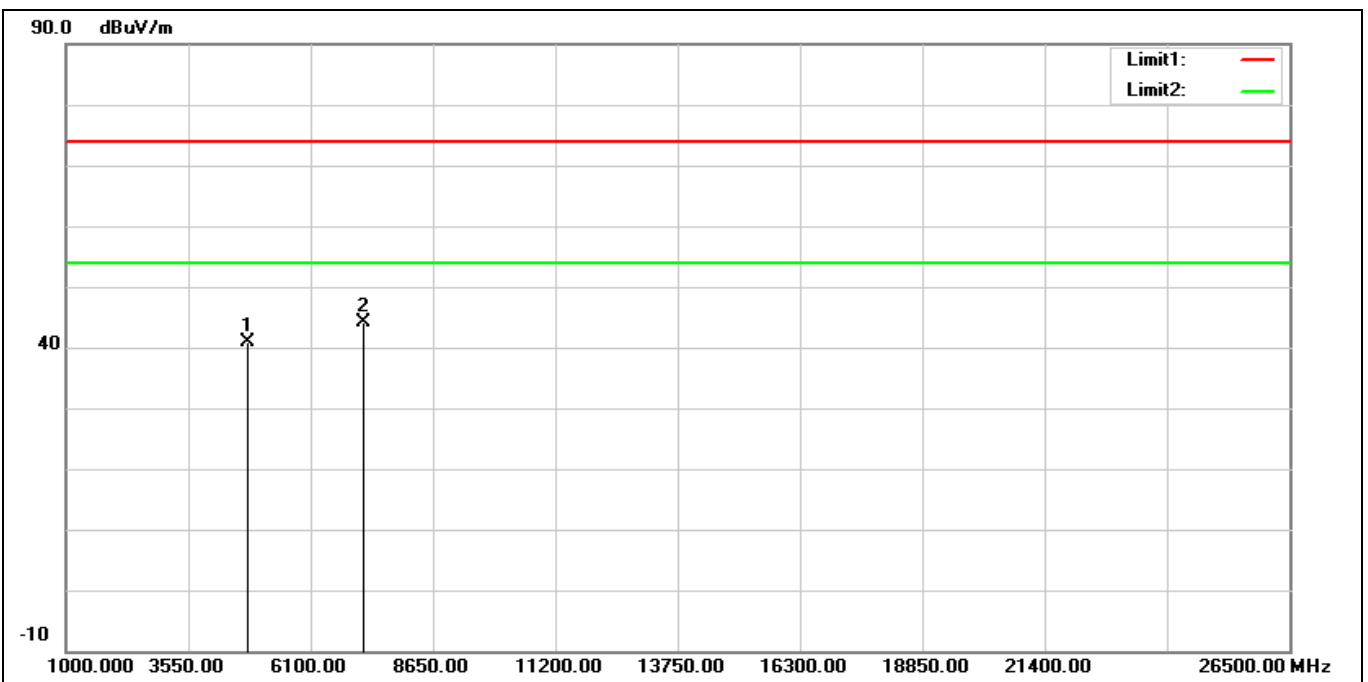


No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	112.4500	42.61	-10.61	32.00	43.50	-11.50	QP
2	238.5500	42.89	-7.77	35.12	46.00	-10.88	QP
3	350.1000	33.04	-4.75	28.29	46.00	-17.71	QP
4	482.0200	30.04	-2.17	27.87	46.00	-18.13	QP
5	601.3300	28.96	0.24	29.20	46.00	-16.80	QP
6*	717.7300	33.77	2.04	35.81	46.00	-10.19	QP

Harmonic

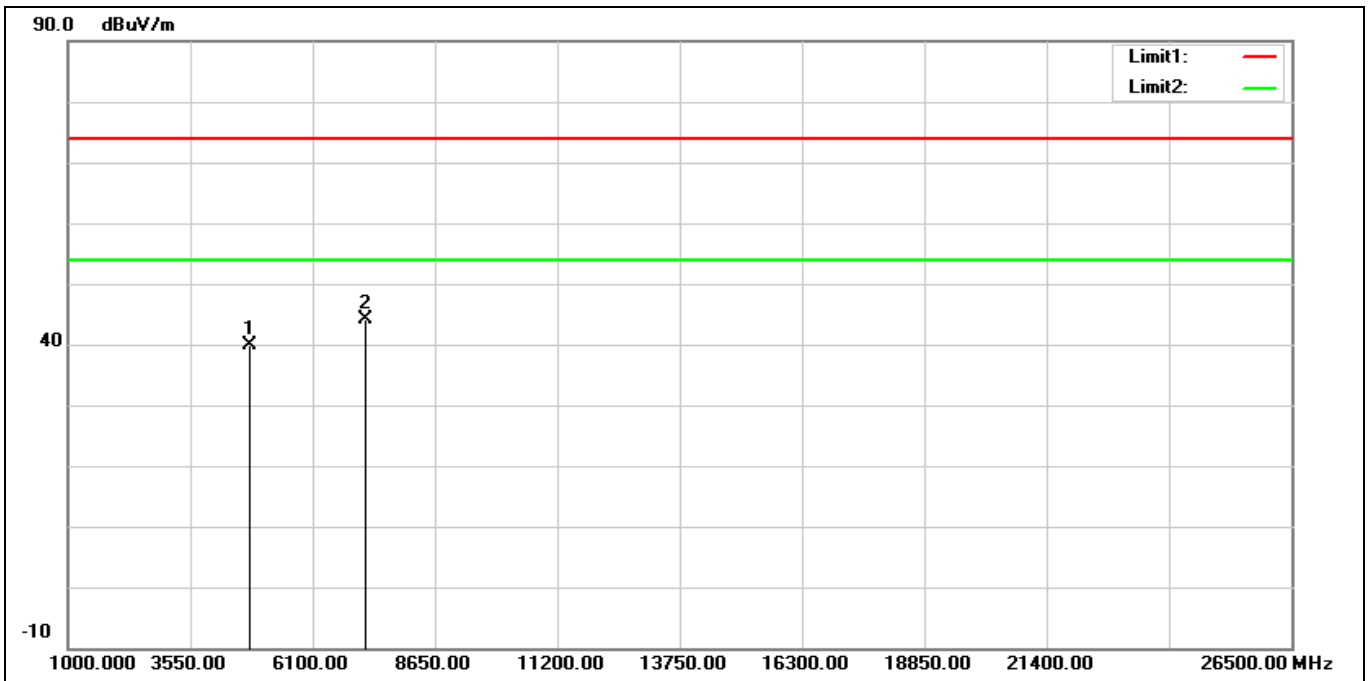
Above 1 GHz

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_GFSK 2402 MHz		
Remark:			



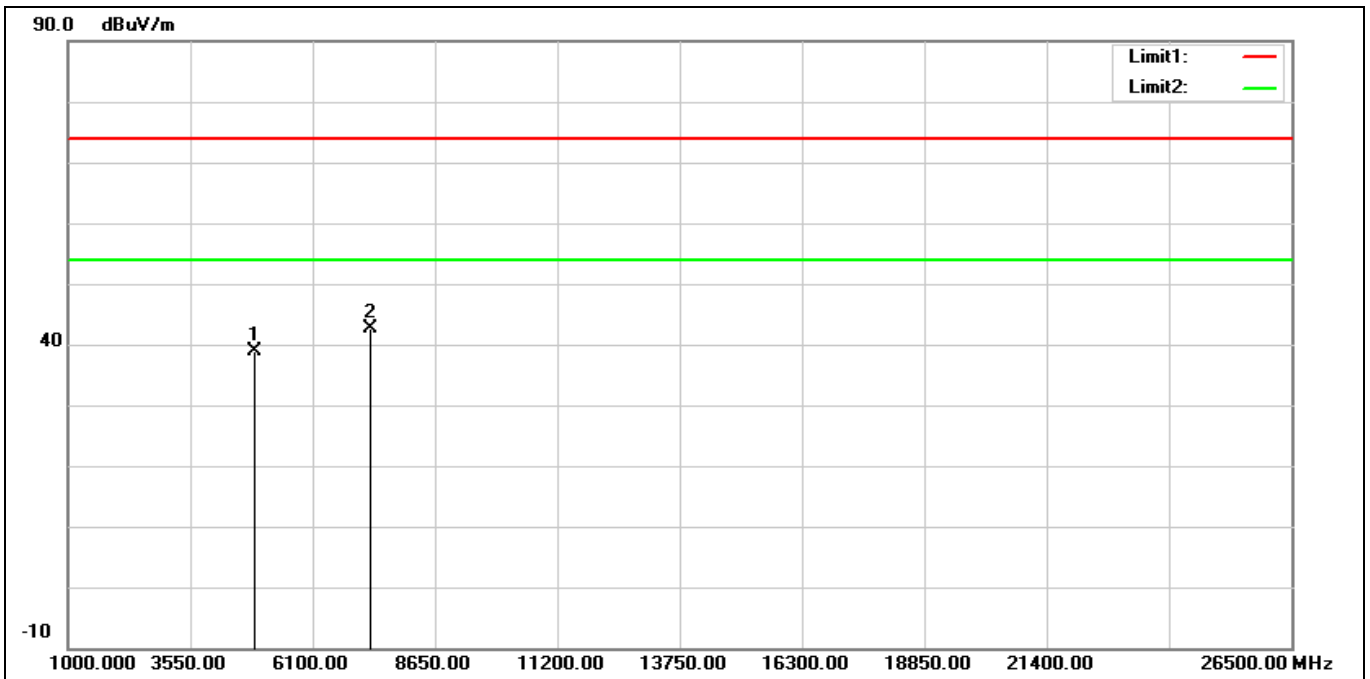
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	40.52	0.29	40.81	74.00	-33.19	peak
2*	7206.000	36.43	7.82	44.25	74.00	-29.75	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_GFSK 2402 MHz		
Remark:			



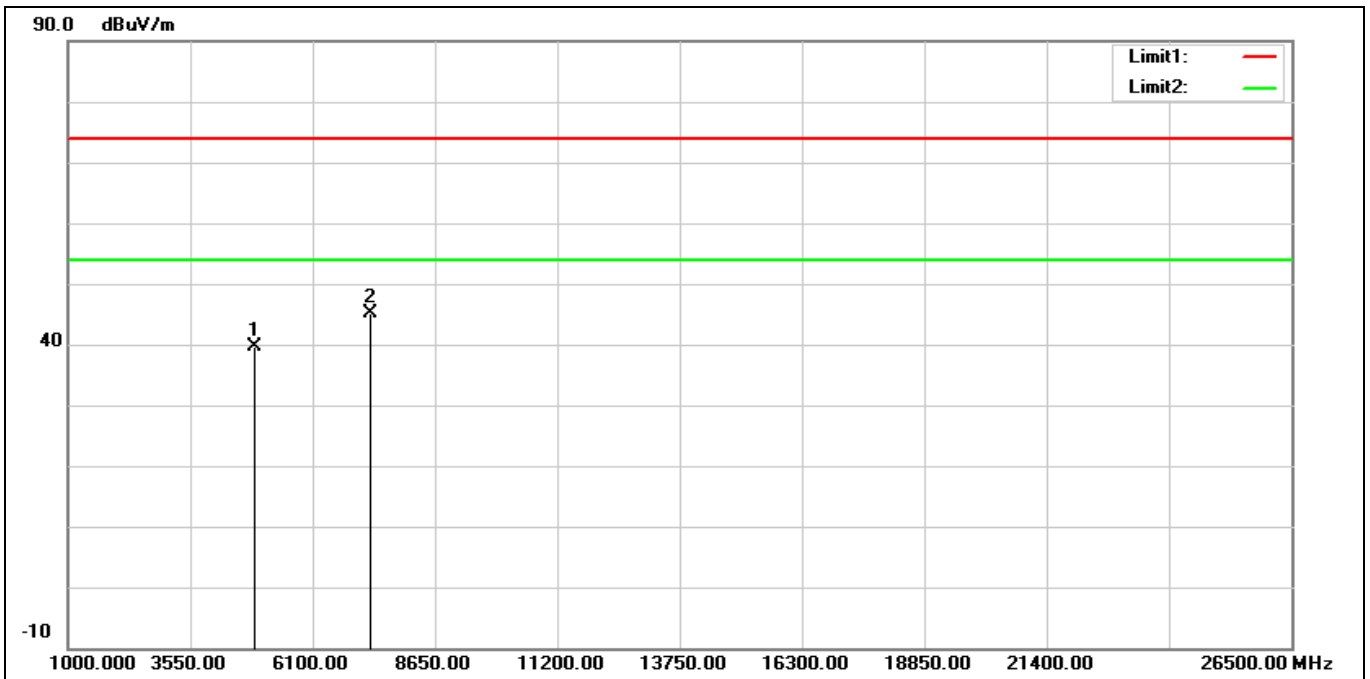
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	39.65	0.29	39.94	74.00	-34.06	peak
2*	7206.000	36.20	7.82	44.02	74.00	-29.98	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_GFSK 2441 MHz		
Remark:			



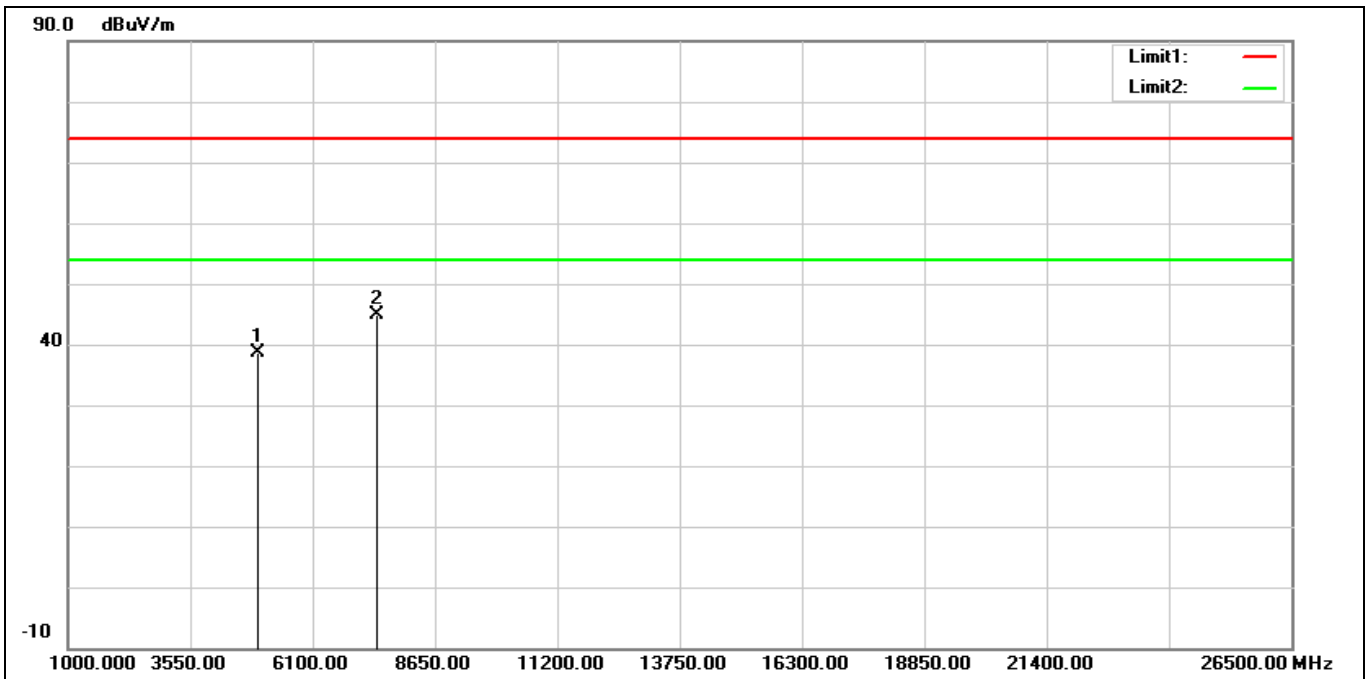
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4882.000	38.43	0.38	38.81	74.00	-35.19	peak
2*	7323.000	34.76	7.99	42.75	74.00	-31.25	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_GFSK 2441 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4882.000	39.24	0.38	39.62	74.00	-34.38	peak
2*	7323.000	37.13	7.99	45.12	74.00	-28.88	peak

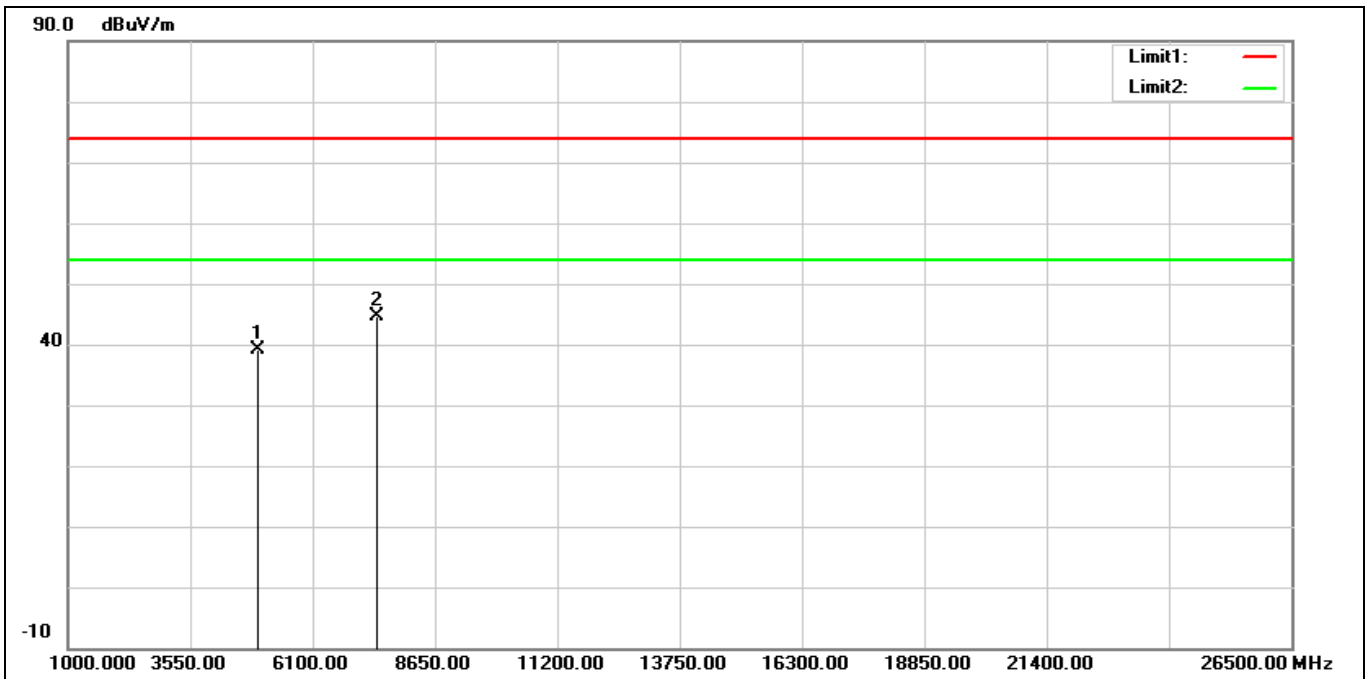
Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_GFSK 2480 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4960.000	38.18	0.57	38.75	74.00	-35.25	peak
2*	7440.000	36.52	8.34	44.86	74.00	-29.14	peak

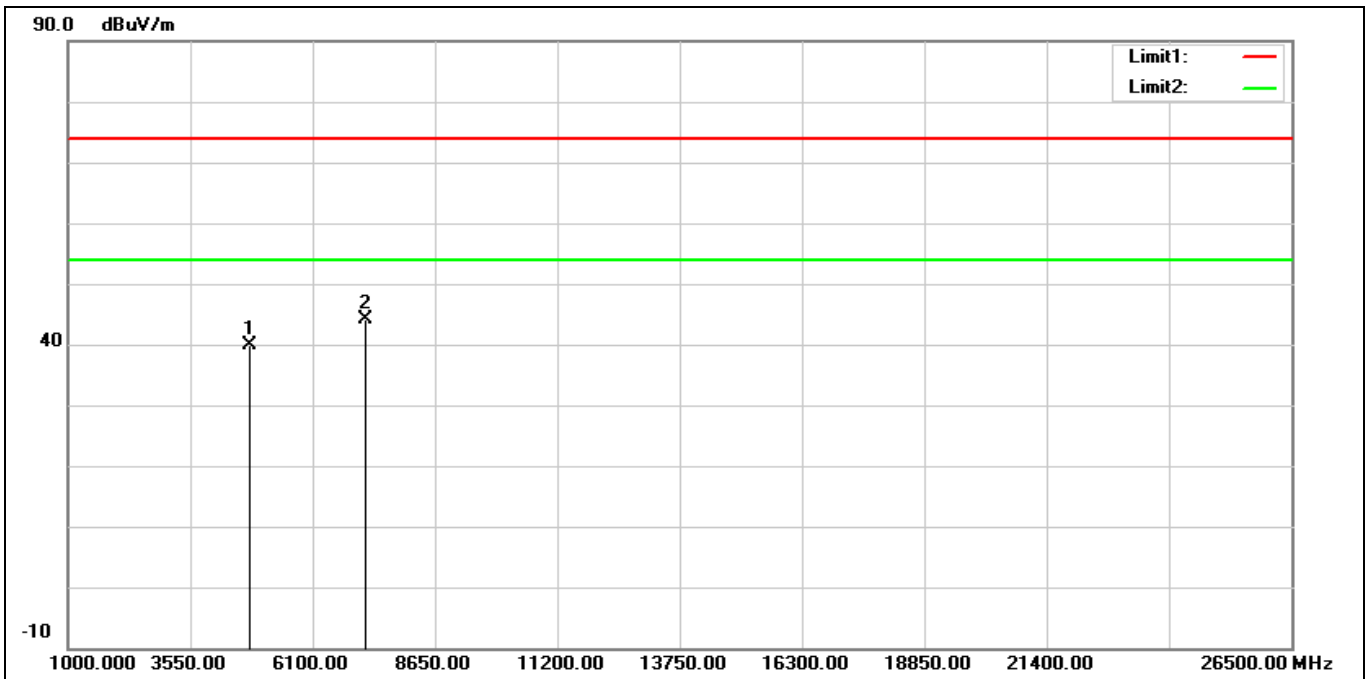


Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_GFSK 2480 MHz		
Remark:			



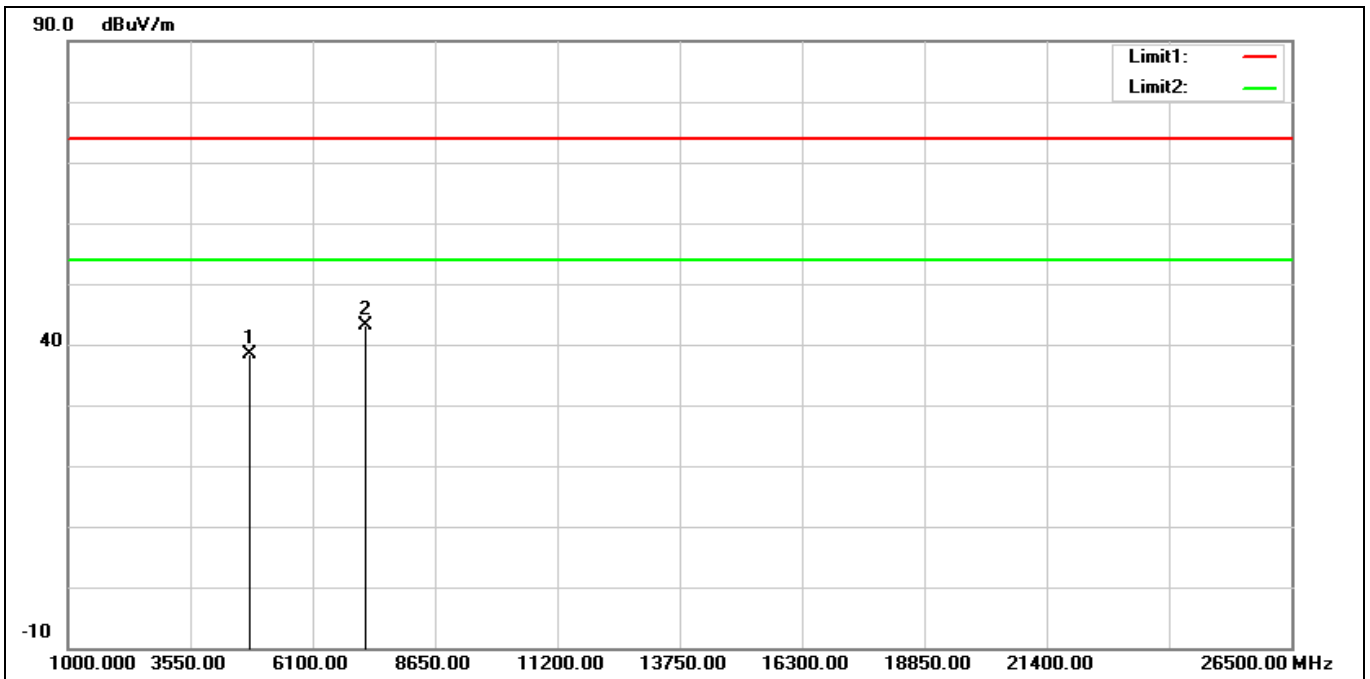
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4960.000	38.45	0.57	39.02	74.00	-34.98	peak
2*	7440.000	36.30	8.34	44.64	74.00	-29.36	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_8DPSK 2402 MHz		
Remark:			



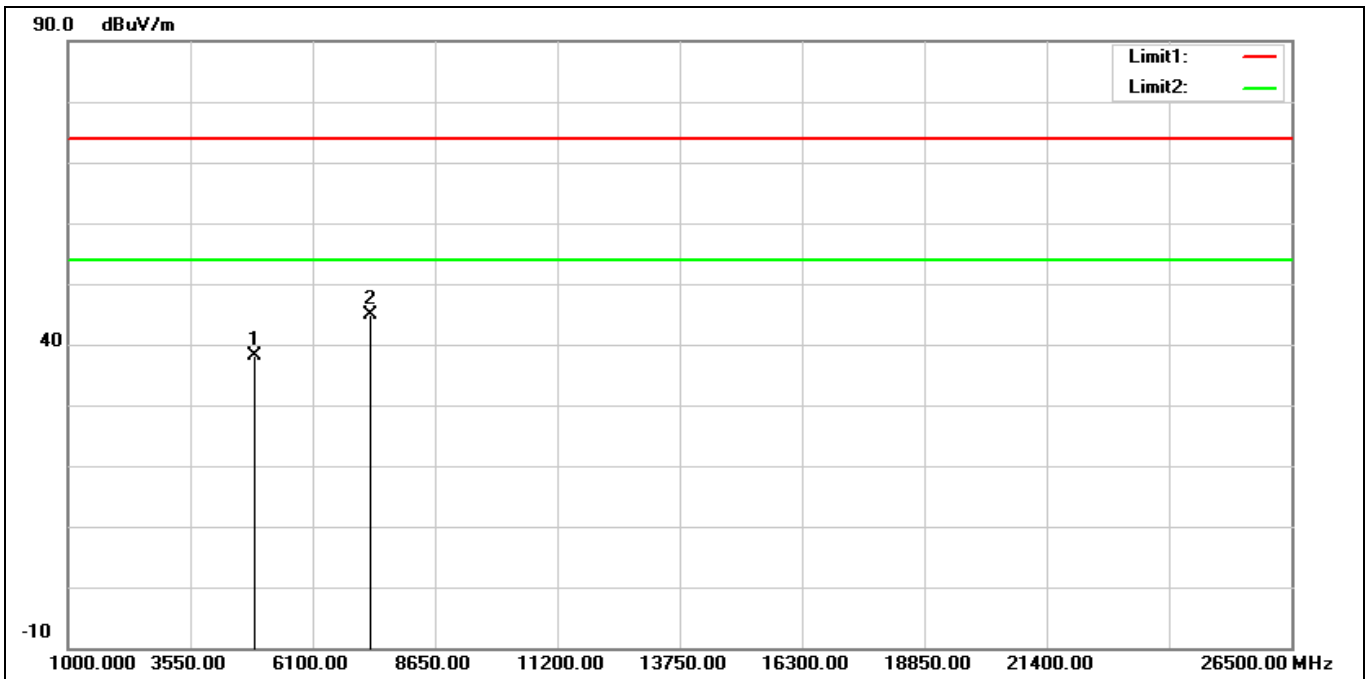
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	39.51	0.29	39.80	74.00	-34.20	peak
2*	7206.000	36.29	7.82	44.11	74.00	-29.89	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_8DPSK 2402 MHz		
Remark:			



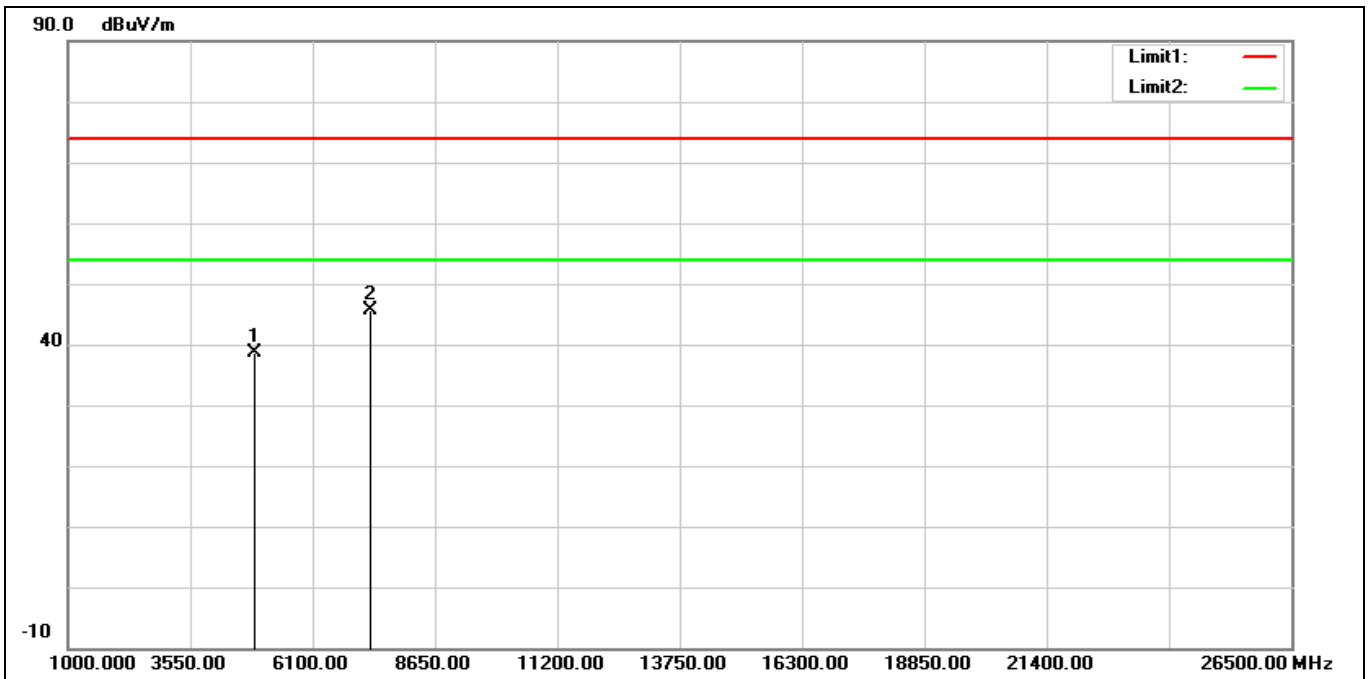
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	38.12	0.29	38.41	74.00	-35.59	peak
2*	7206.000	35.38	7.82	43.20	74.00	-30.80	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_8DPSK 2441 MHz		
Remark:			



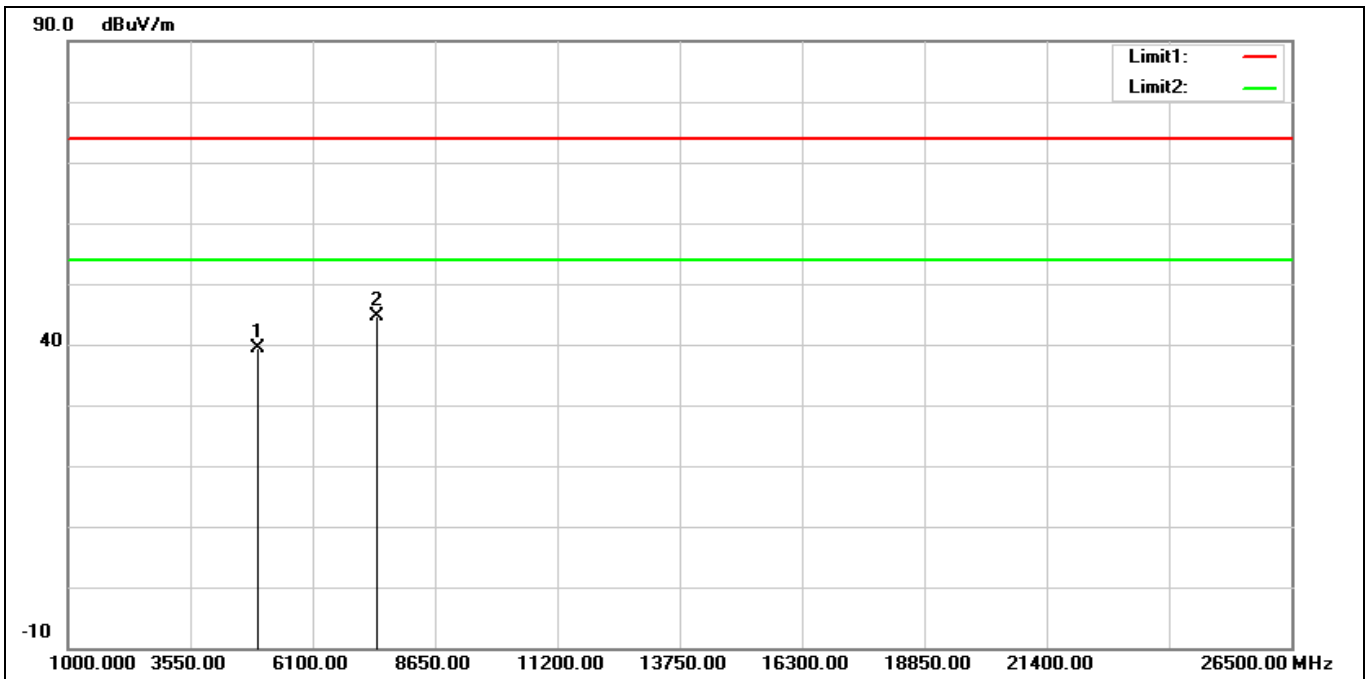
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4882.000	37.82	0.38	38.20	74.00	-35.80	peak
2*	7323.000	36.86	7.99	44.85	74.00	-29.15	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_8DPSK 2441 MHz		
Remark:			



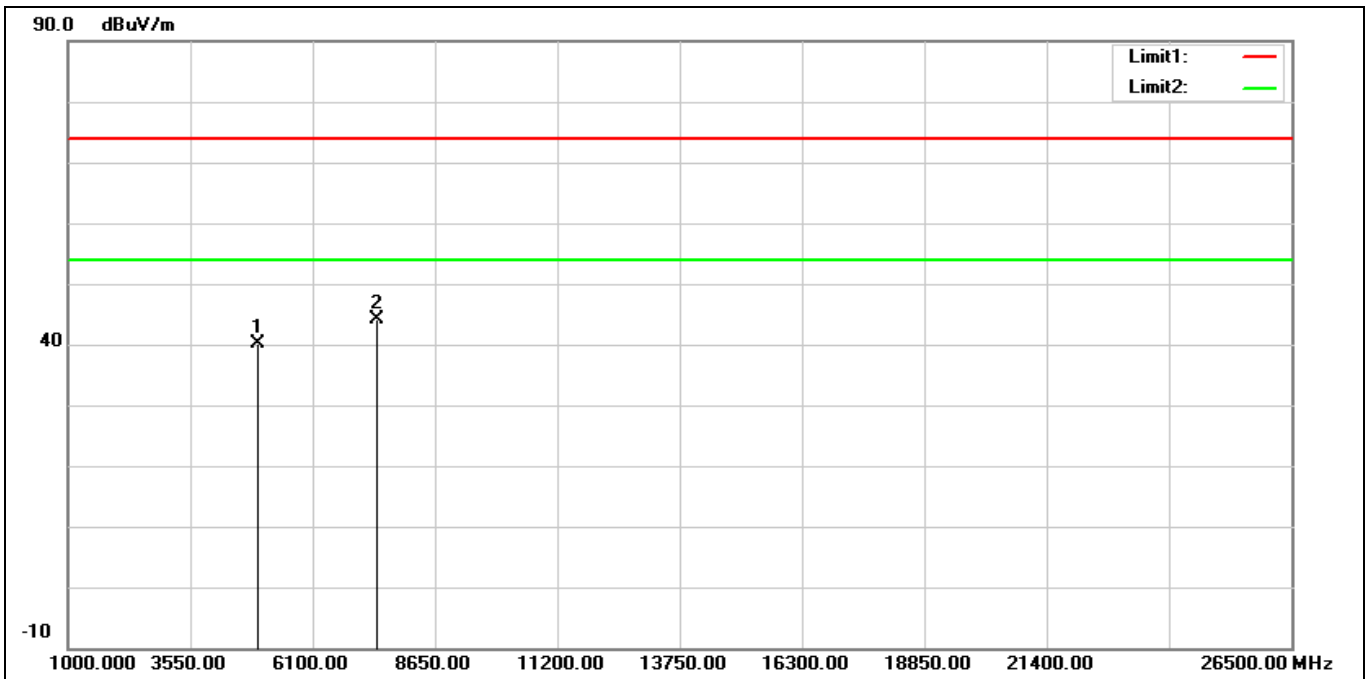
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4882.000	38.27	0.38	38.65	74.00	-35.35	peak
2*	7323.000	37.55	7.99	45.54	74.00	-28.46	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_8DPSK 2480 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4960.000	38.78	0.57	39.35	74.00	-34.65	peak
2*	7440.000	36.36	8.34	44.70	74.00	-29.30	peak

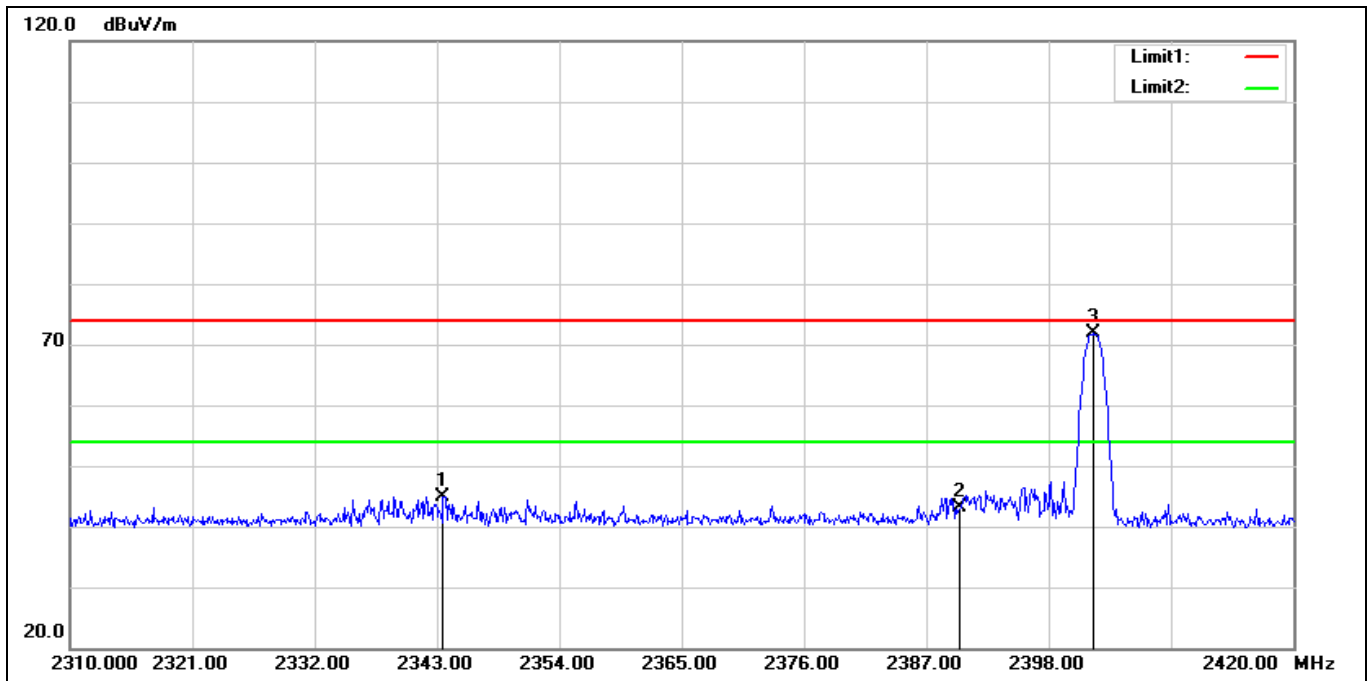
Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_8DPSK 2480 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4960.000	39.68	0.57	40.25	74.00	-33.75	peak
2*	7440.000	35.87	8.34	44.21	74.00	-29.79	peak

**Band Edge**

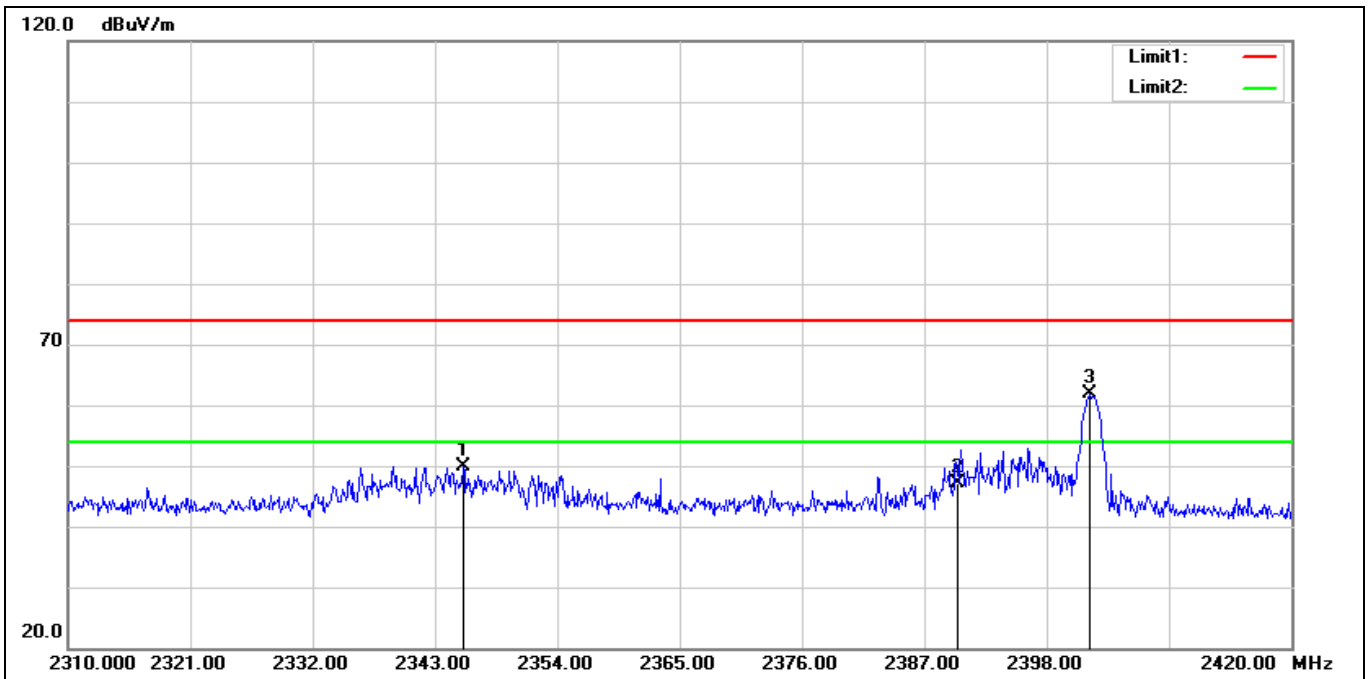
Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_GFSK 2402 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2343.550	50.95	-6.02	44.93	74.00	-29.07	peak
2	2390.000	49.35	-6.19	43.16	74.00	-30.84	peak
3*	2401.960	78.04	-6.25	71.79	74.00	-2.21	peak

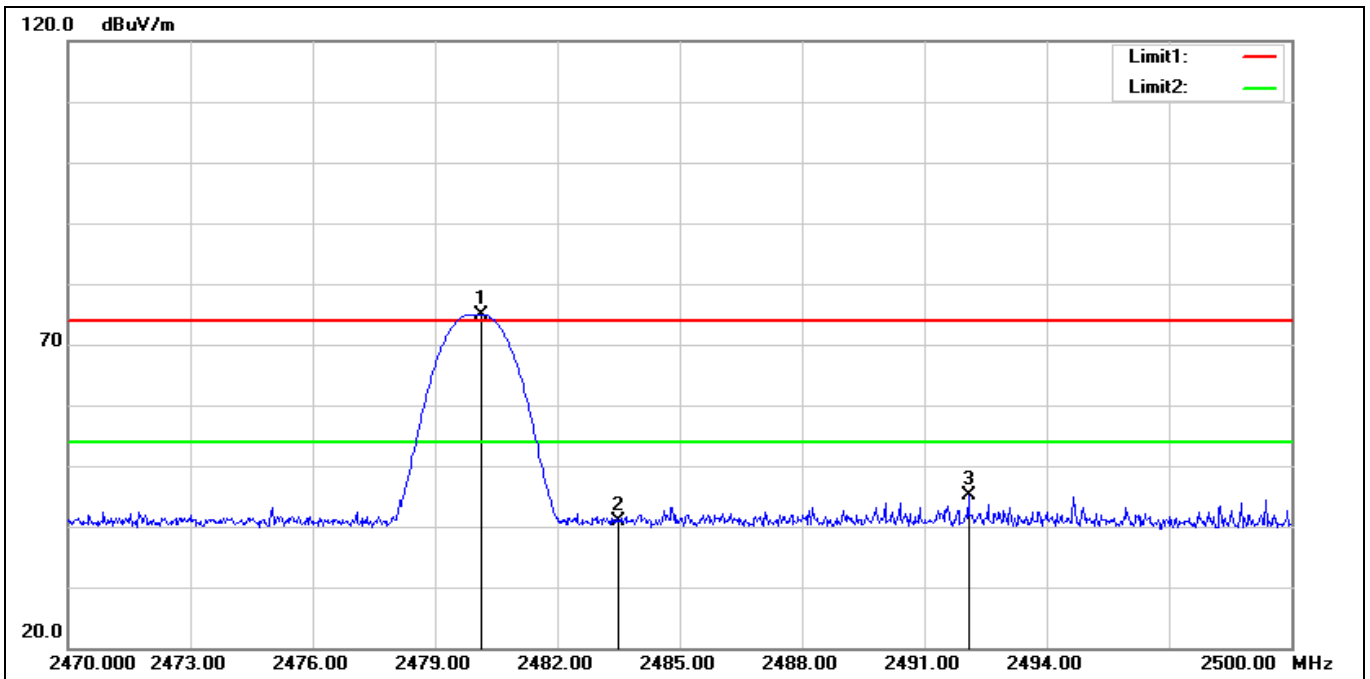


Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_GFSK 2402 MHz		
Remark:			



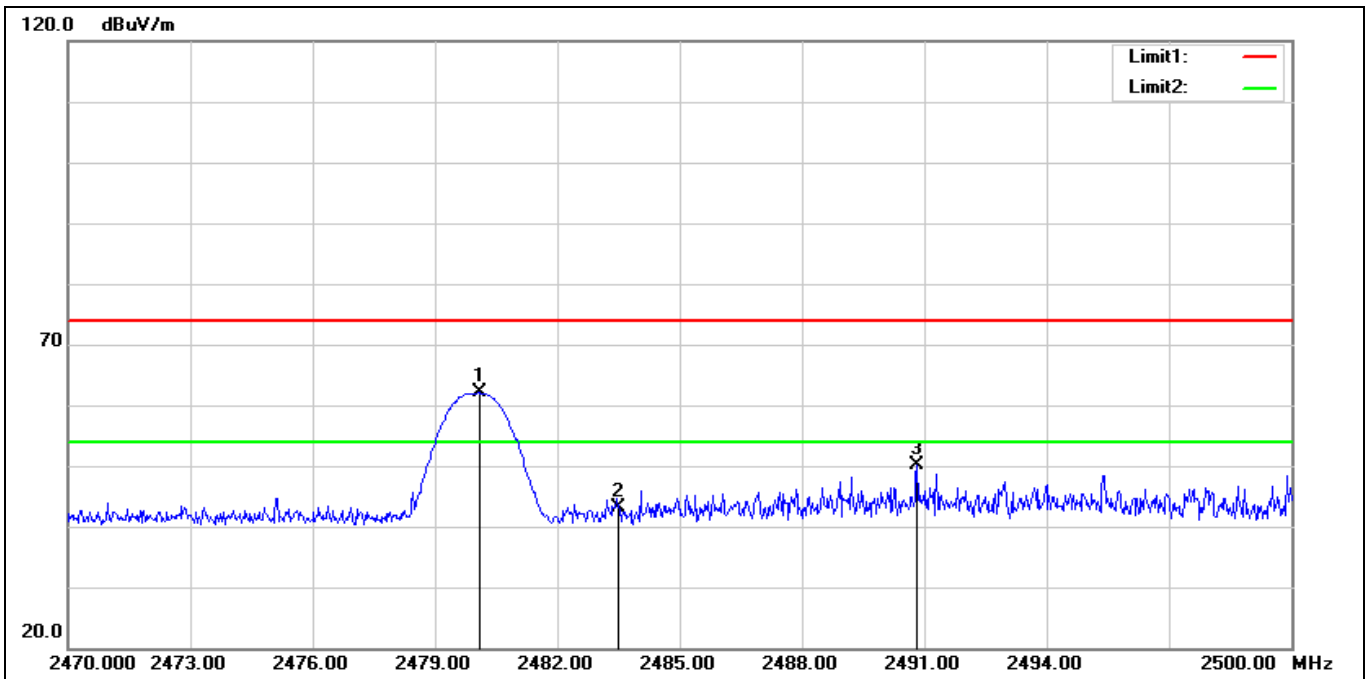
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2345.530	55.88	-6.01	49.87	74.00	-24.13	peak
2	2390.000	53.43	-6.19	47.24	74.00	-26.76	peak
3*	2401.850	68.15	-6.25	61.90	74.00	-12.10	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_GFSK 2480 MHz		
Remark:			



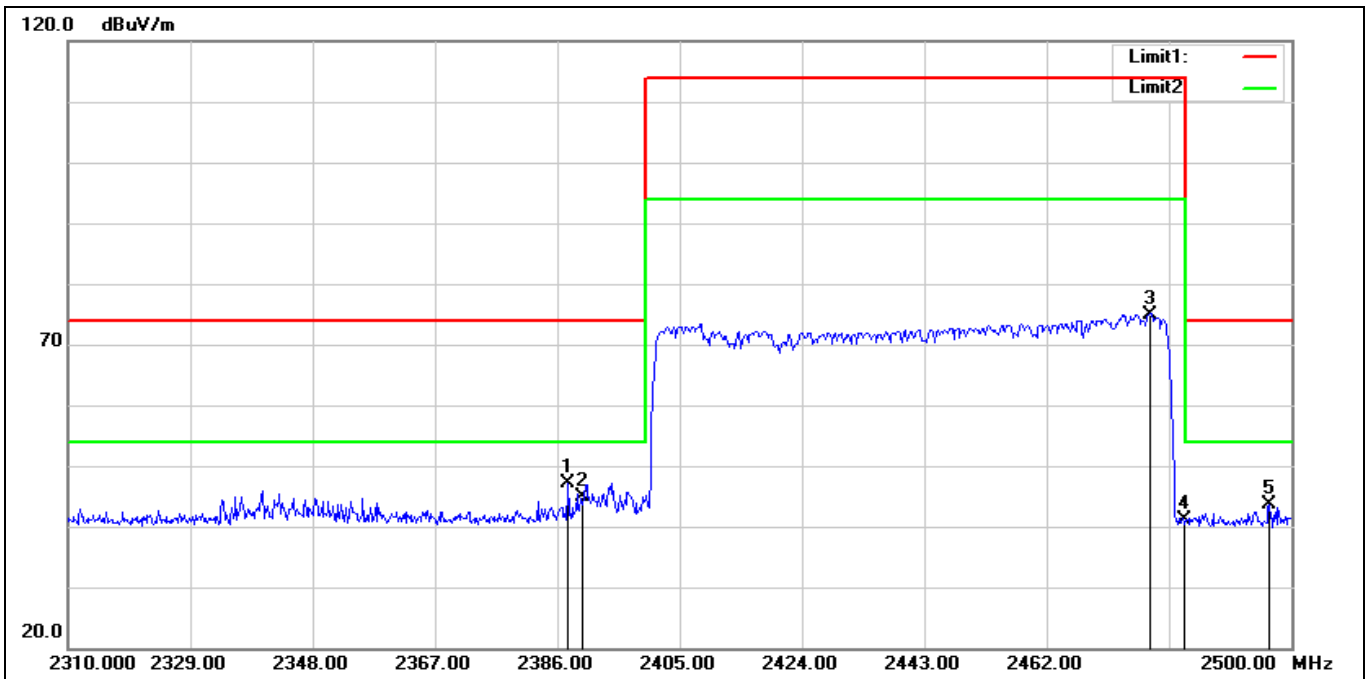
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2480.140	81.41	-6.46	74.95	74.00	0.95	peak
2	2483.500	47.36	-6.46	40.90	74.00	-33.10	peak
3	2492.080	51.55	-6.49	45.06	74.00	-28.94	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_GFSK 2480 MHz		
Remark:			



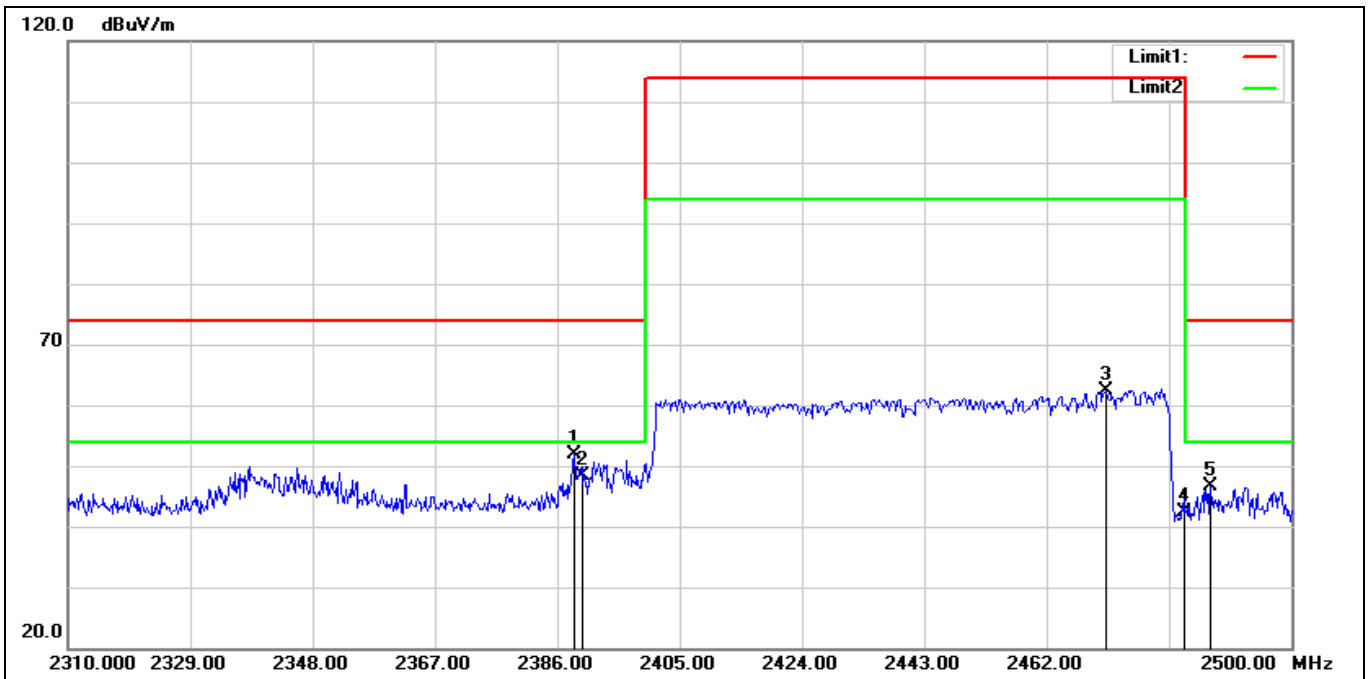
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2480.080	68.54	-6.46	62.08	74.00	-11.92	peak
2	2483.500	49.58	-6.46	43.12	74.00	-30.88	peak
3	2490.820	56.68	-6.48	50.20	74.00	-23.80	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	1M_Hopping		
Remark:			



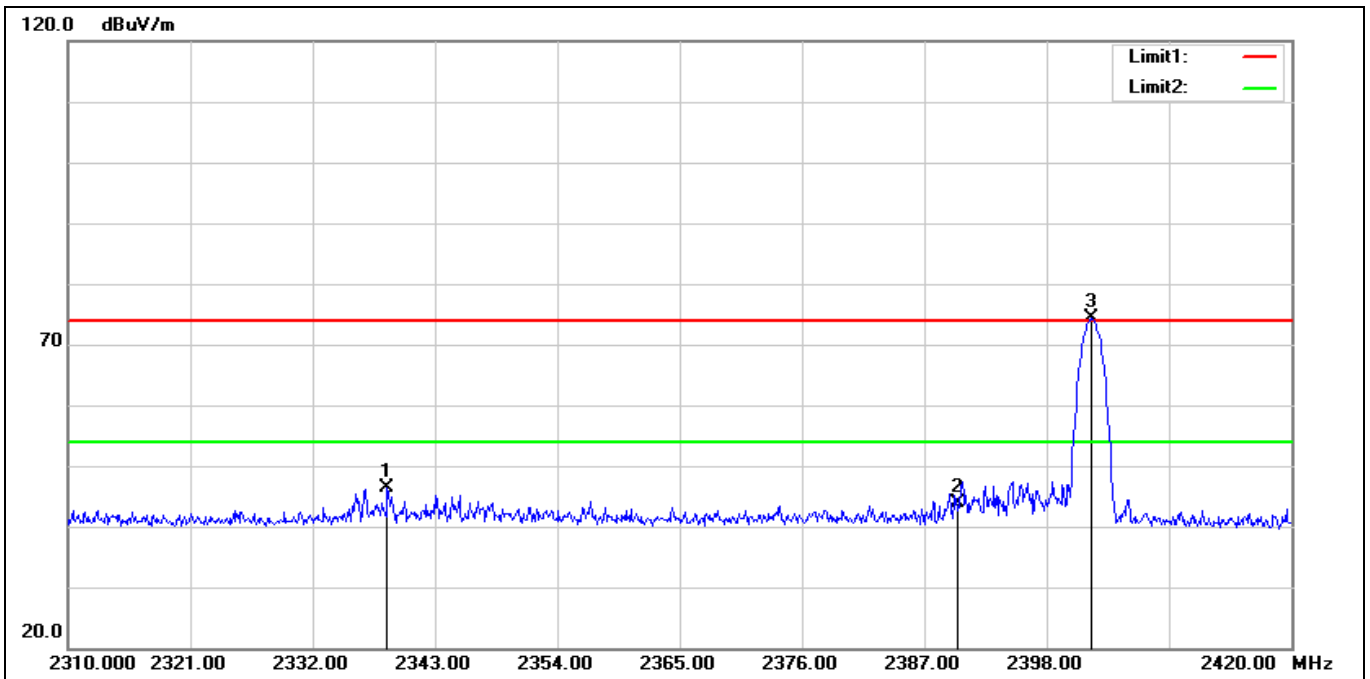
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2387.710	53.22	-6.18	47.04	74.00	-26.96	peak
2	2390.000	51.15	-6.19	44.96	74.00	-29.04	peak
3	2477.960	81.43	-6.45	74.98	114.00	-39.02	peak
4	2483.500	47.68	-6.46	41.22	74.00	-32.78	peak
5	2496.580	50.08	-6.50	43.58	74.00	-30.42	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	1M_Hopping		
Remark:			



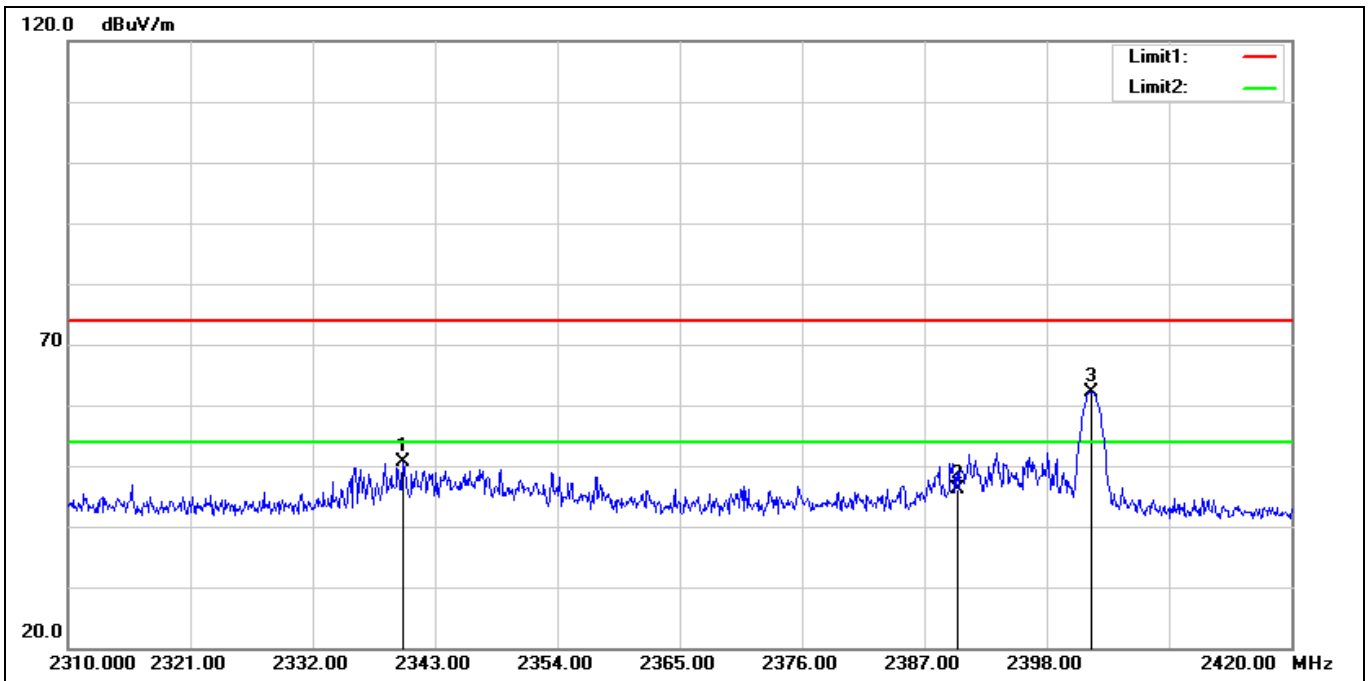
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2388.660	58.01	-6.18	51.83	74.00	-22.17	peak
2	2390.000	54.67	-6.19	48.48	74.00	-25.52	peak
3	2471.120	68.87	-6.43	62.44	114.00	-51.56	peak
4	2483.500	48.76	-6.46	42.30	74.00	-31.70	peak
5	2487.460	52.99	-6.47	46.52	74.00	-27.48	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_8DPSK 2402 MHz		
Remark:			



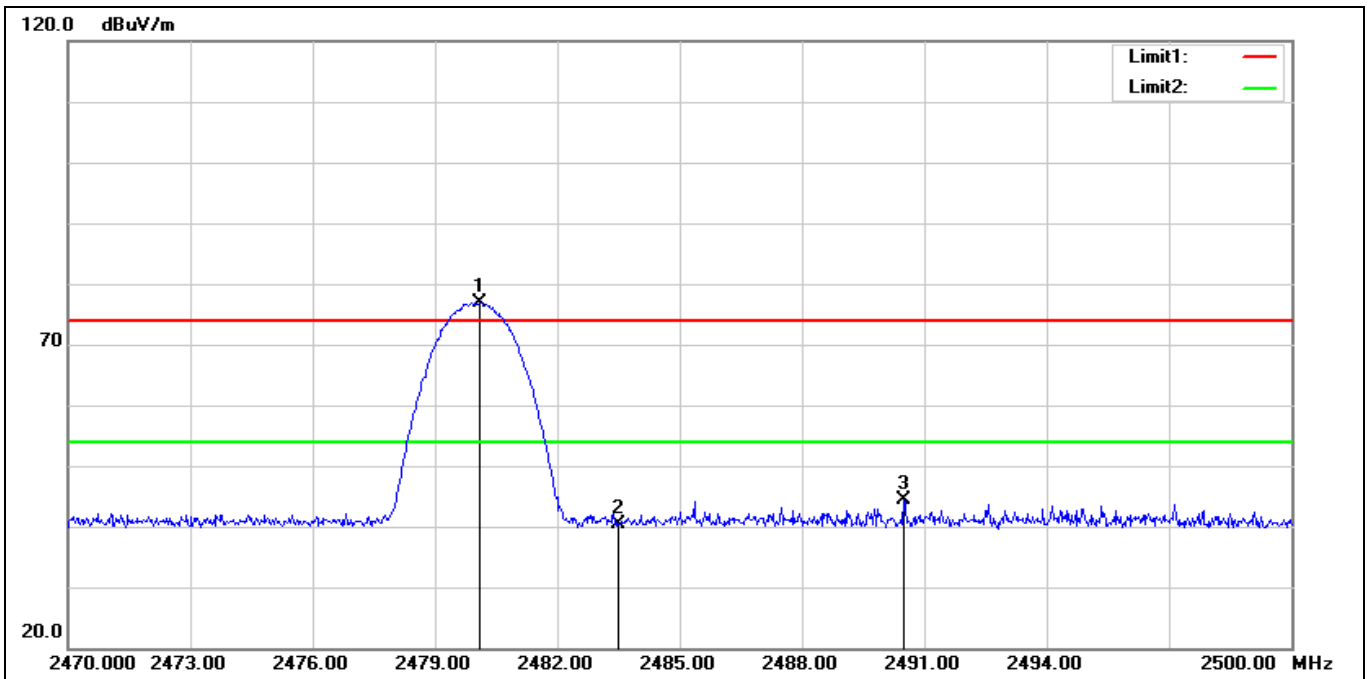
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2338.710	52.40	-6.03	46.37	74.00	-27.63	peak
2	2390.000	50.06	-6.19	43.87	74.00	-30.13	peak
3*	2401.960	80.68	-6.25	74.43	74.00	0.43	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_8DPSK 2402 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2340.140	56.59	-6.03	50.56	74.00	-23.44	peak
2	2390.000	52.44	-6.19	46.25	74.00	-27.75	peak
3*	2402.070	68.41	-6.25	62.16	74.00	-11.84	peak

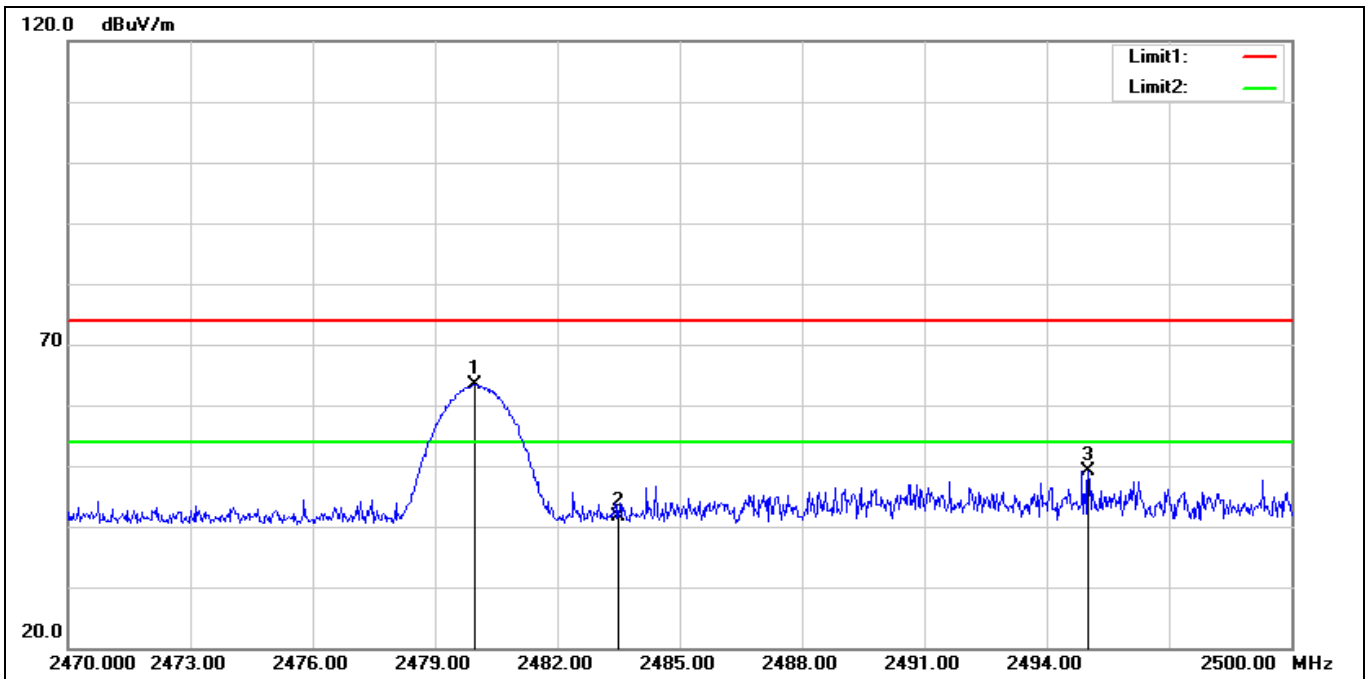
Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_8DPSK 2480 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2480.080	83.42	-6.46	76.96	74.00	2.96	peak
2	2483.500	46.91	-6.46	40.45	74.00	-33.55	peak
3	2490.490	50.88	-6.48	44.40	74.00	-29.60	peak

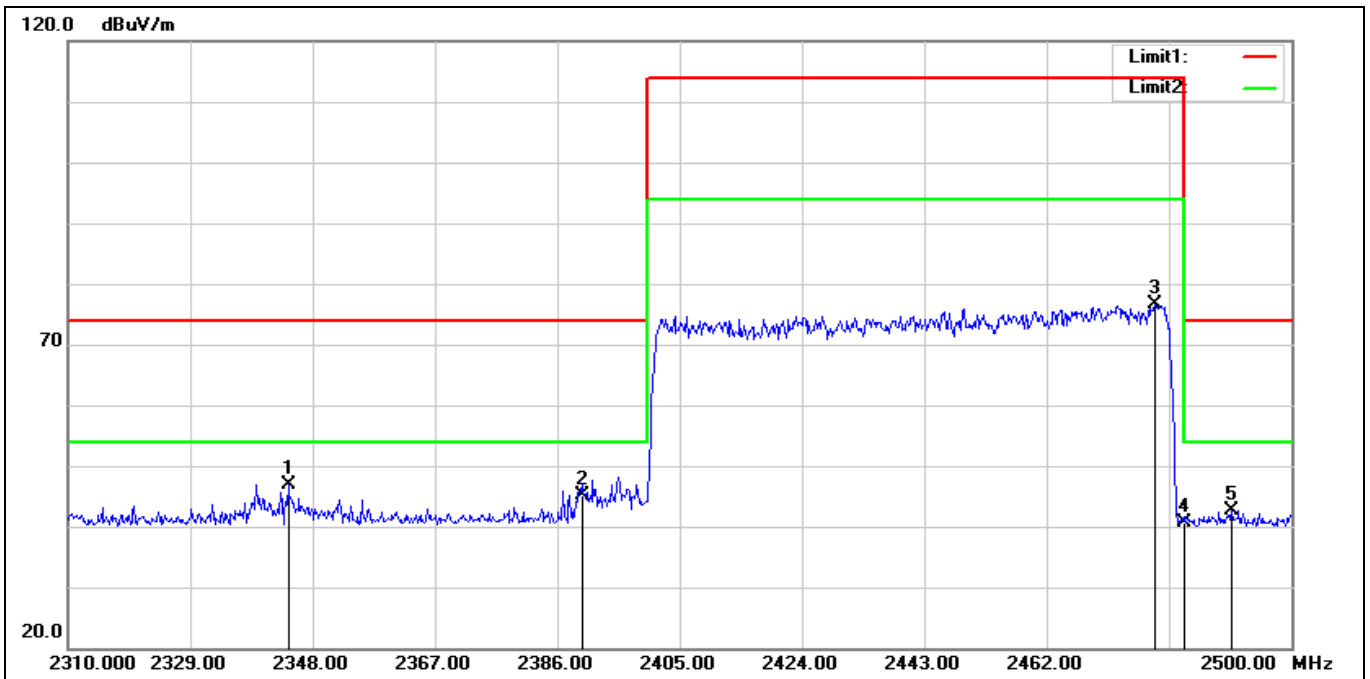


Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_8DPSK 2480 MHz		
Remark:			



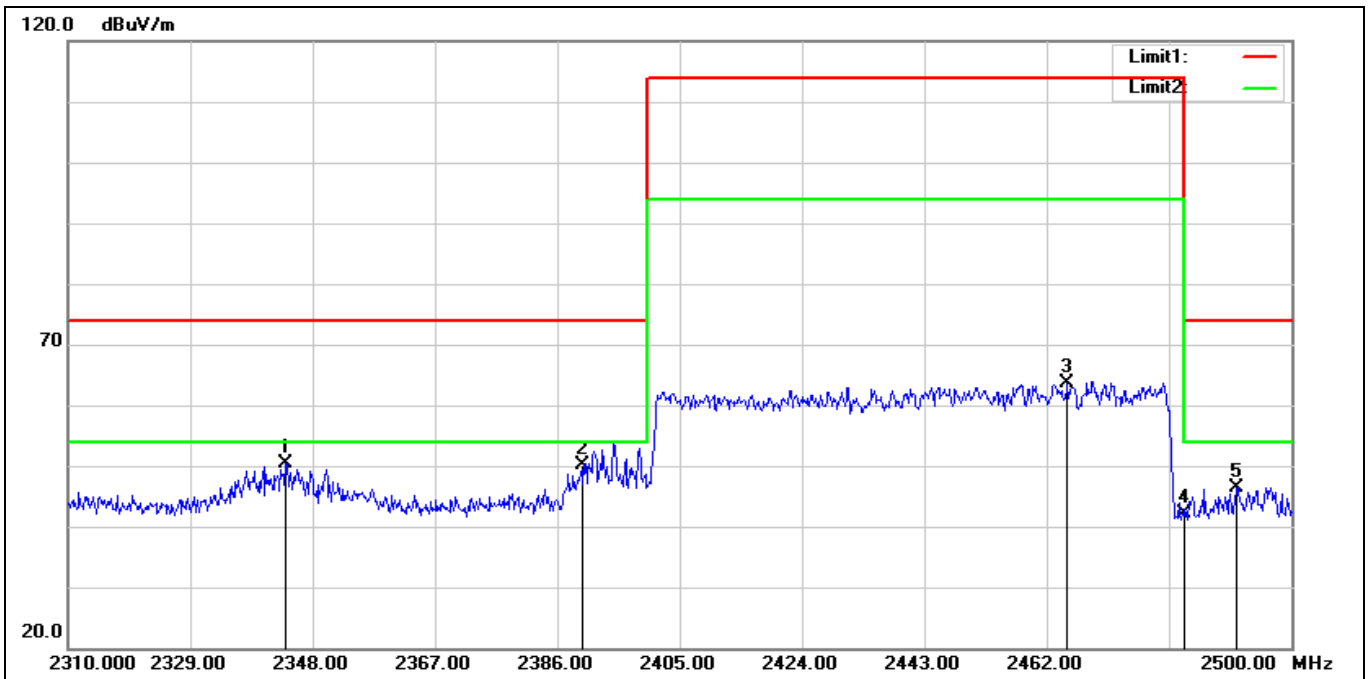
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2479.960	69.85	-6.46	63.39	74.00	-10.61	peak
2	2483.500	48.18	-6.46	41.72	74.00	-32.28	peak
3	2495.020	55.70	-6.49	49.21	74.00	-24.79	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	3M_Hopping		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2344.200	53.01	-6.02	46.99	74.00	-27.01	peak
2	2390.000	51.40	-6.19	45.21	74.00	-28.79	peak
3	2478.910	83.09	-6.46	76.63	114.00	-37.37	peak
4	2483.500	47.21	-6.46	40.75	74.00	-33.25	peak
5	2490.690	49.21	-6.48	42.73	74.00	-31.27	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	3M_Hopping		
Remark:			

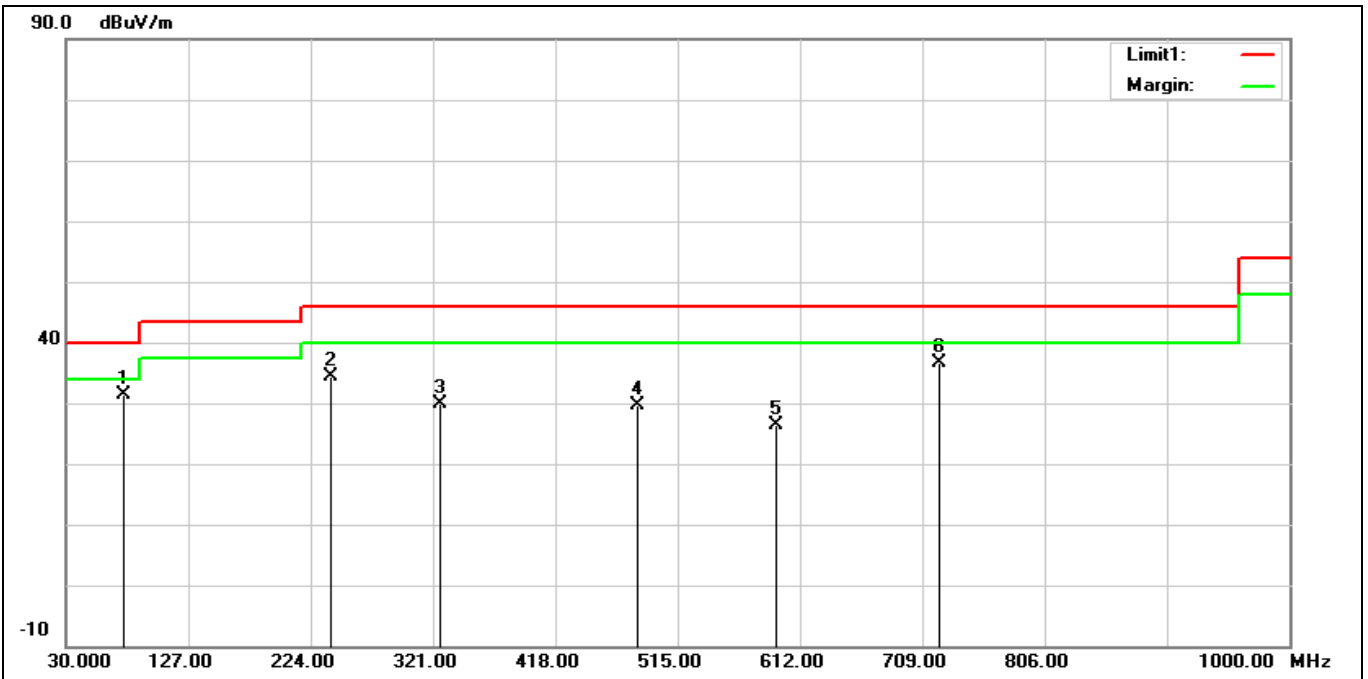


No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2343.820	56.47	-6.02	50.45	74.00	-23.55	peak
2	2390.000	56.42	-6.19	50.23	74.00	-23.77	peak
3	2465.230	70.06	-6.41	63.65	114.00	-50.35	peak
4	2483.500	48.48	-6.46	42.02	74.00	-31.98	peak
5	2491.450	52.98	-6.49	46.49	74.00	-27.51	peak

Antenna brand: Laird

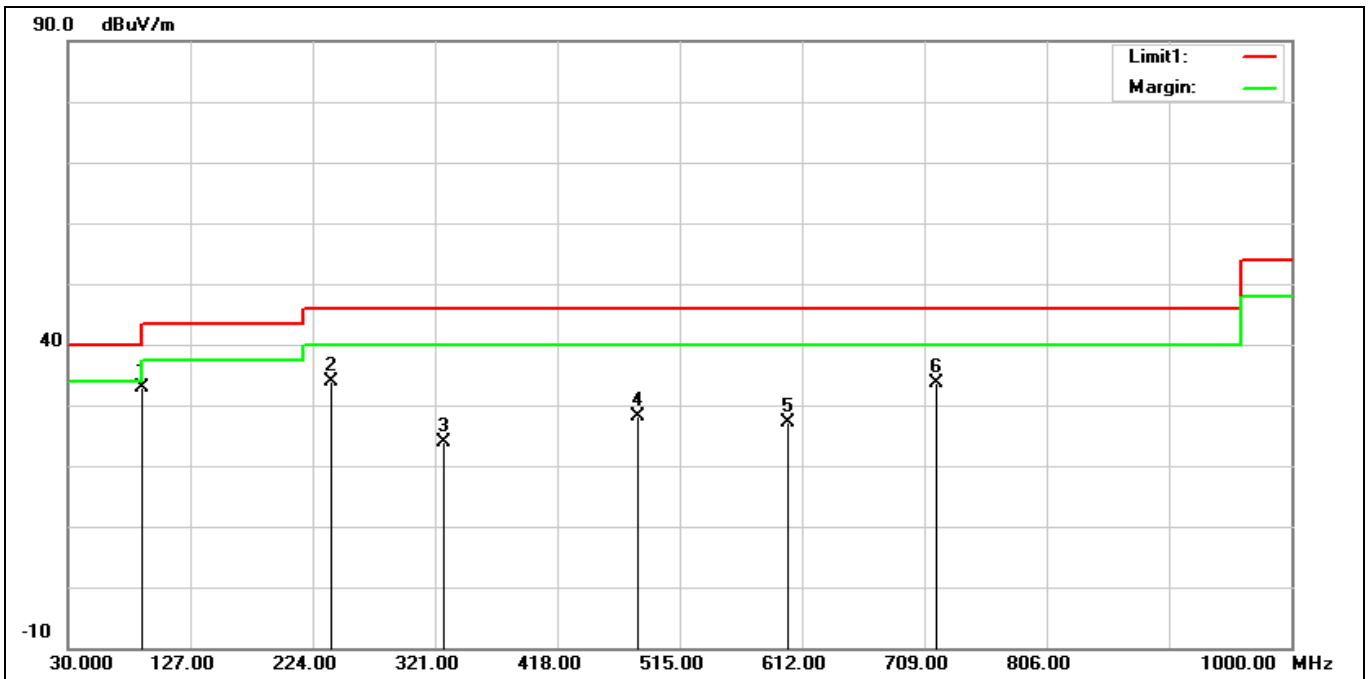
Below 1 GHz

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_8DPSK 2402 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	75.5900	42.96	-11.46	31.50	40.00	-8.50	QP
2	240.4900	42.09	-7.65	34.44	46.00	-11.56	QP
3	326.8200	35.22	-5.24	29.98	46.00	-16.02	QP
4	482.9900	31.75	-2.16	29.59	46.00	-16.41	QP
5	592.6000	26.44	0.04	26.48	46.00	-19.52	QP
6	722.5800	34.55	2.17	36.72	46.00	-9.28	QP

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_8DPSK 2402 MHz		
Remark:			

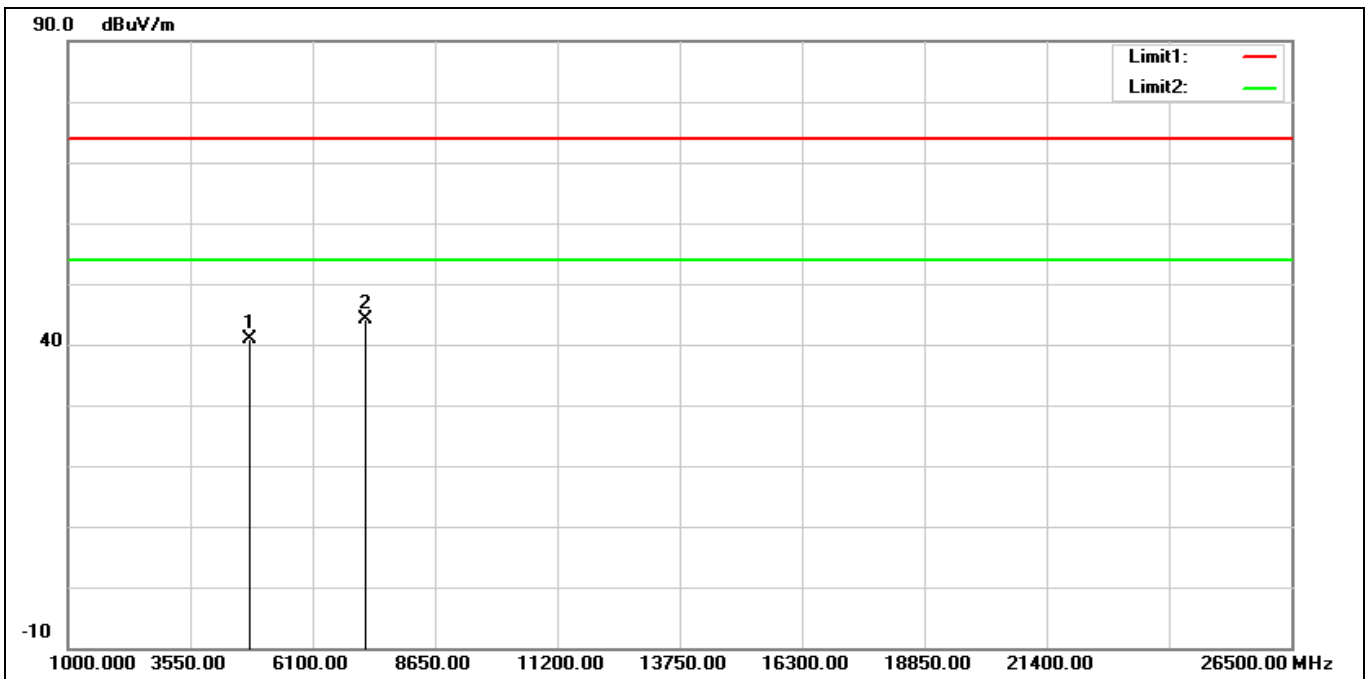


No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	88.2000	46.00	-13.23	32.77	43.50	-10.73	QP
2	238.5500	41.60	-7.77	33.83	46.00	-12.17	QP
3	327.7900	29.01	-5.21	23.80	46.00	-22.20	QP
4	482.0200	30.40	-2.17	28.23	46.00	-17.77	QP
5	600.3600	26.95	0.23	27.18	46.00	-18.82	QP
6	718.7000	31.65	2.07	33.72	46.00	-12.28	QP

Harmonic

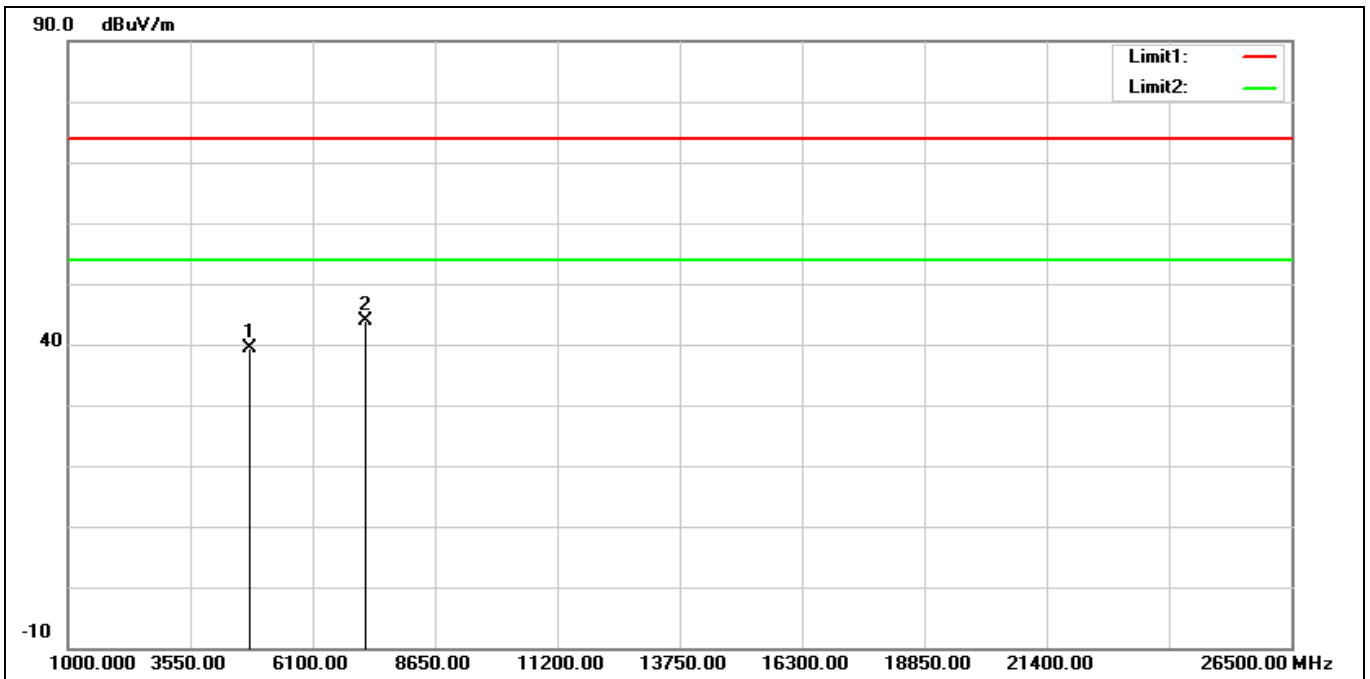
Above 1 GHz

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_GFSK 2402 MHz		
Remark:			



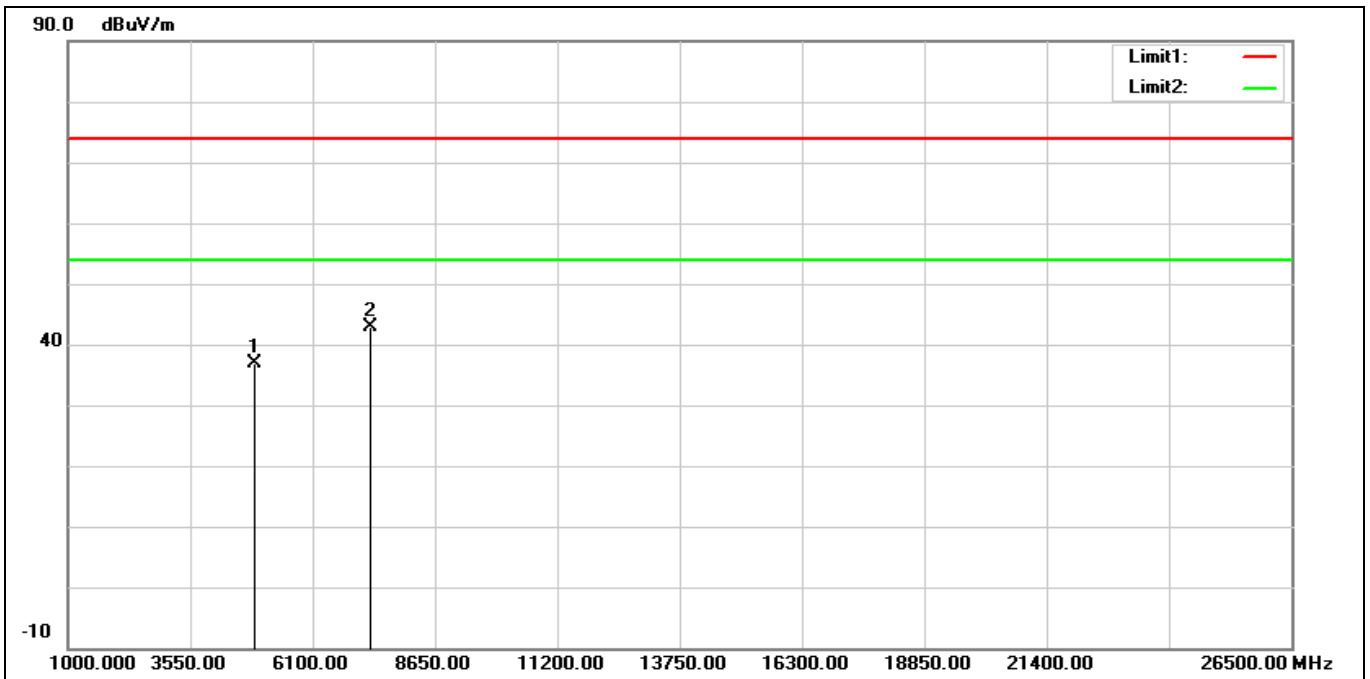
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	40.51	0.29	40.80	74.00	-33.20	peak
2*	7206.000	36.24	7.82	44.06	74.00	-29.94	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_GFSK 2402 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	39.07	0.29	39.36	74.00	-34.64	peak
2*	7206.000	35.97	7.82	43.79	74.00	-30.21	peak

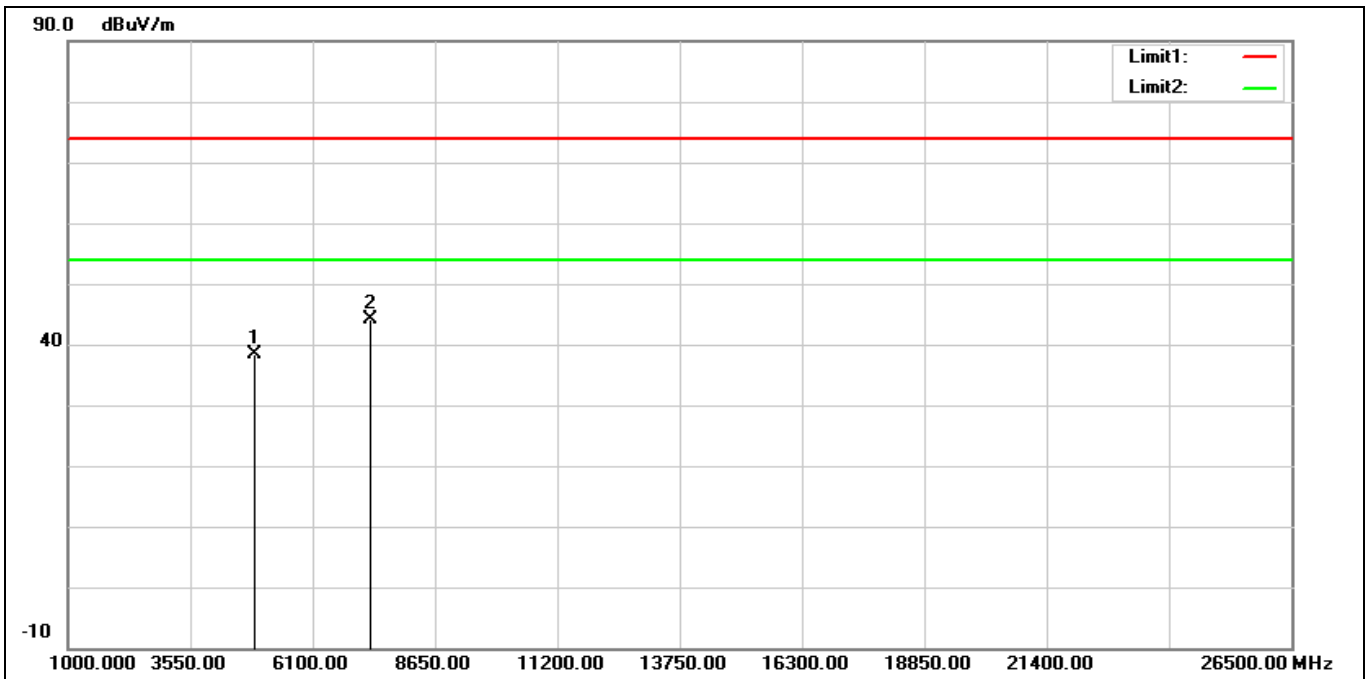
Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_GFSK 2441 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4882.000	36.48	0.38	36.86	74.00	-37.14	peak
2*	7323.000	34.94	7.99	42.93	74.00	-31.07	peak

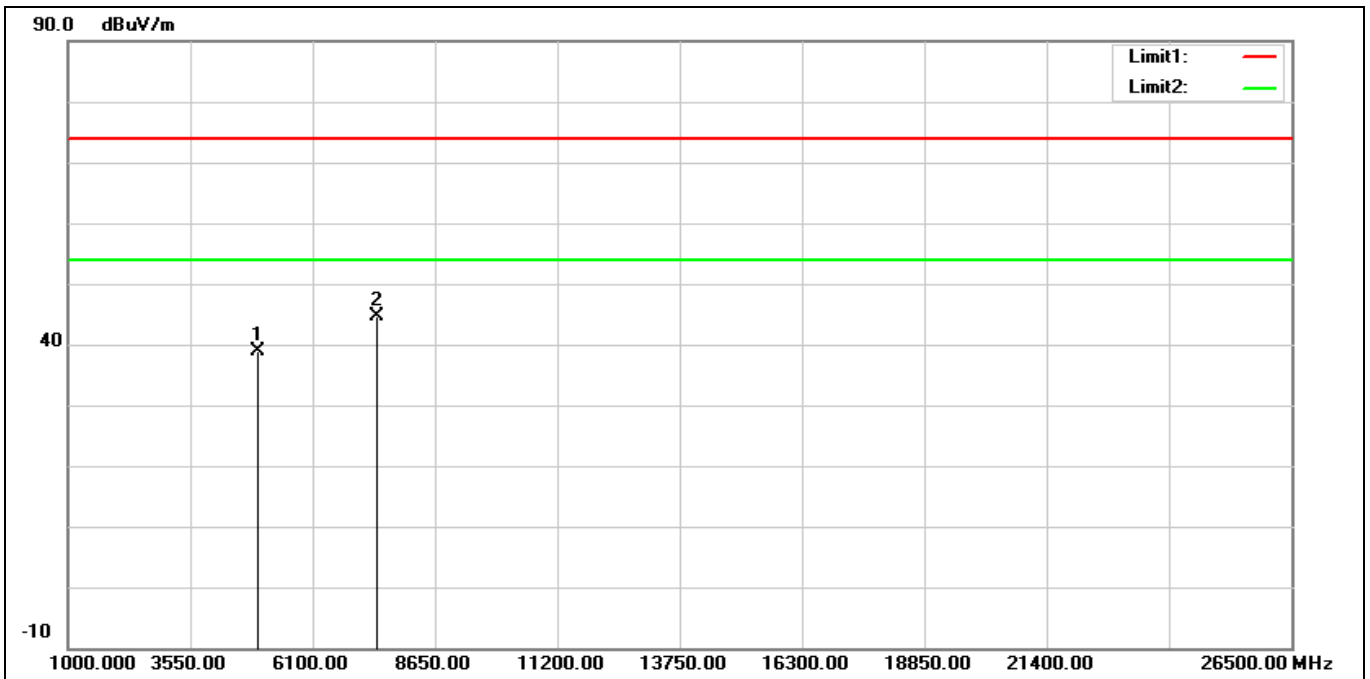


Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_GFSK 2441 MHz		
Remark:			



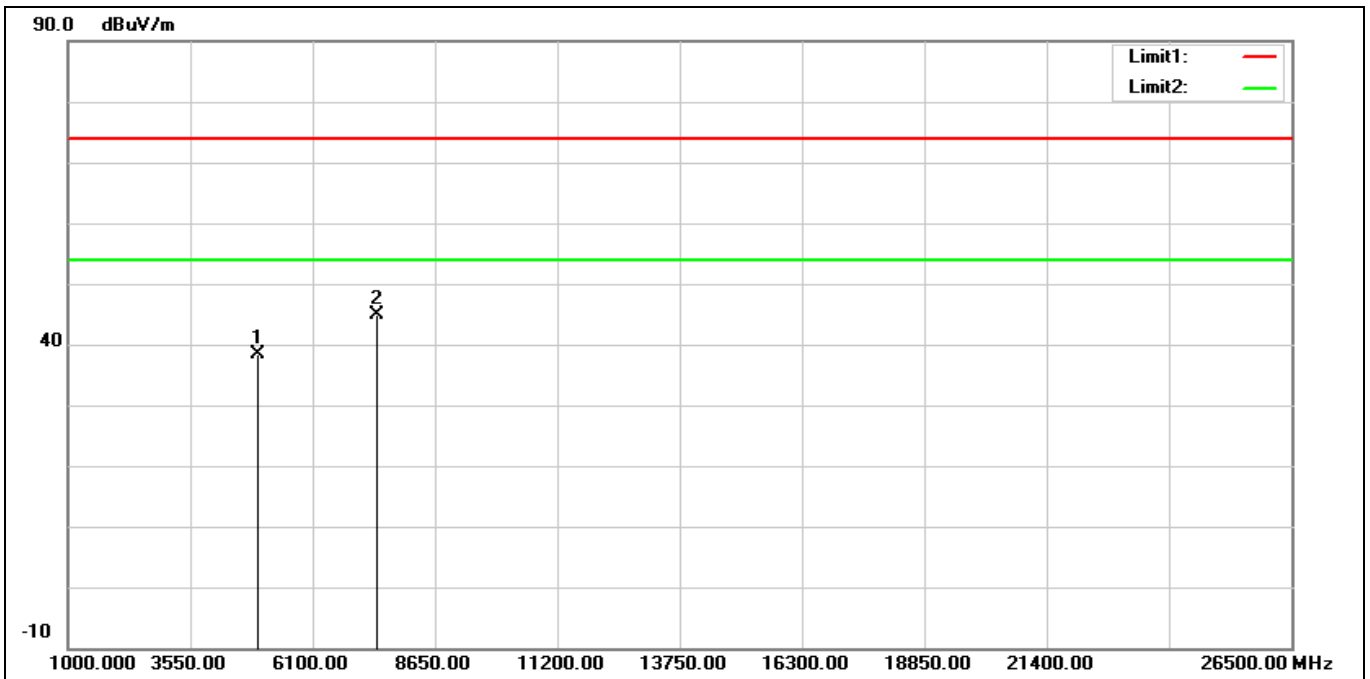
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4882.000	38.11	0.38	38.49	74.00	-35.51	peak
2*	7323.000	36.09	7.99	44.08	74.00	-29.92	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_GFSK 2480 MHz		
Remark:			



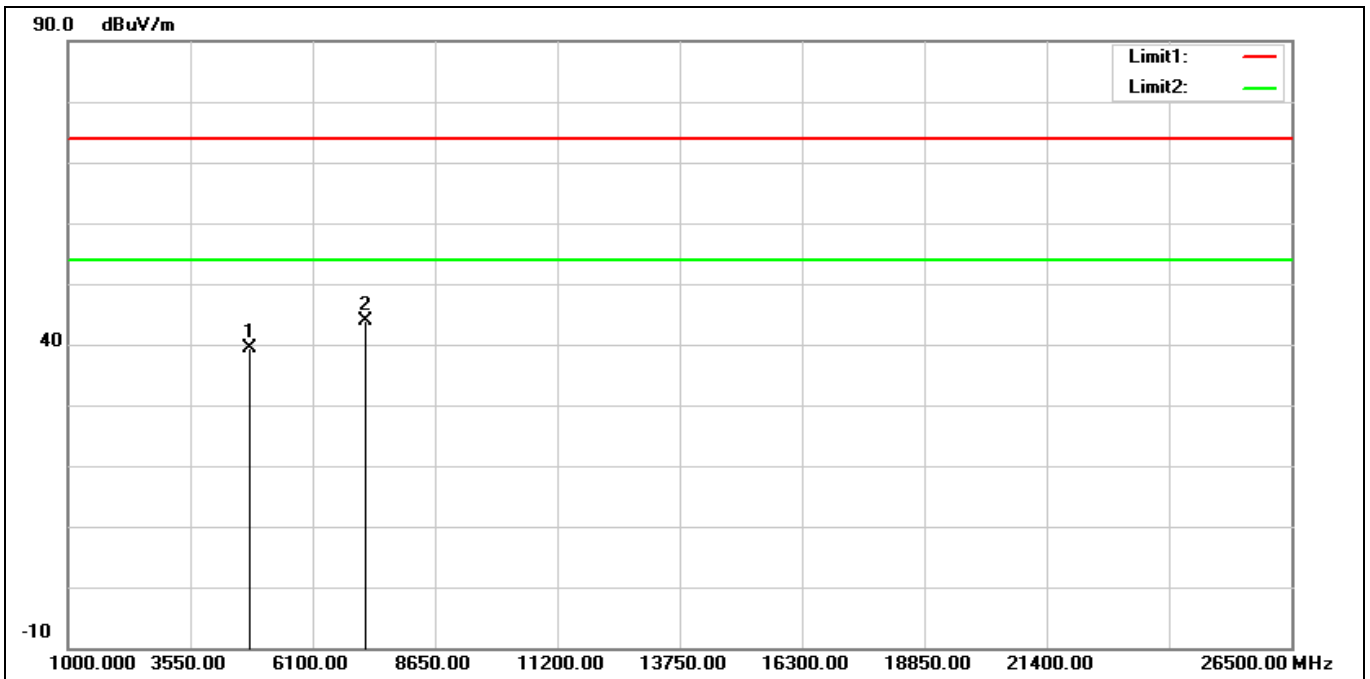
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4960.000	38.25	0.57	38.82	74.00	-35.18	peak
2*	7440.000	36.33	8.34	44.67	74.00	-29.33	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_GFSK 2480 MHz		
Remark:			



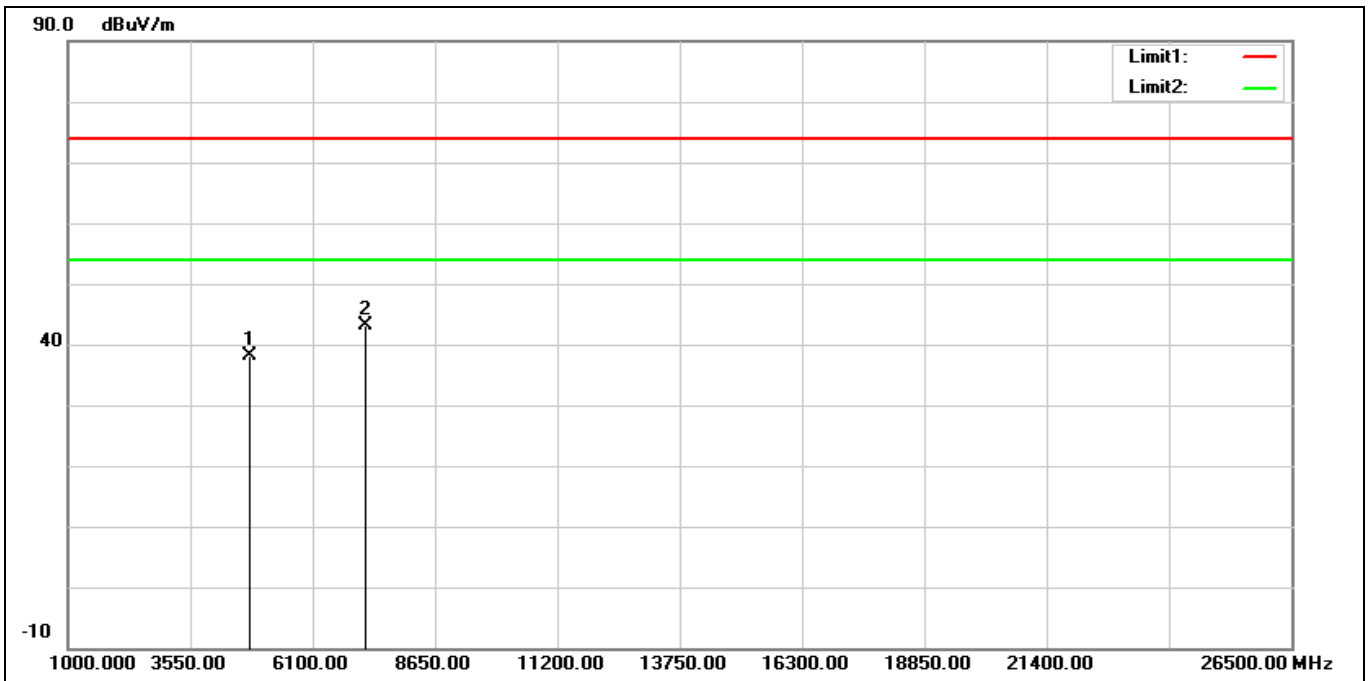
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4960.000	37.91	0.57	38.48	74.00	-35.52	peak
2*	7440.000	36.55	8.34	44.89	74.00	-29.11	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_8DPSK 2402 MHz		
Remark:			



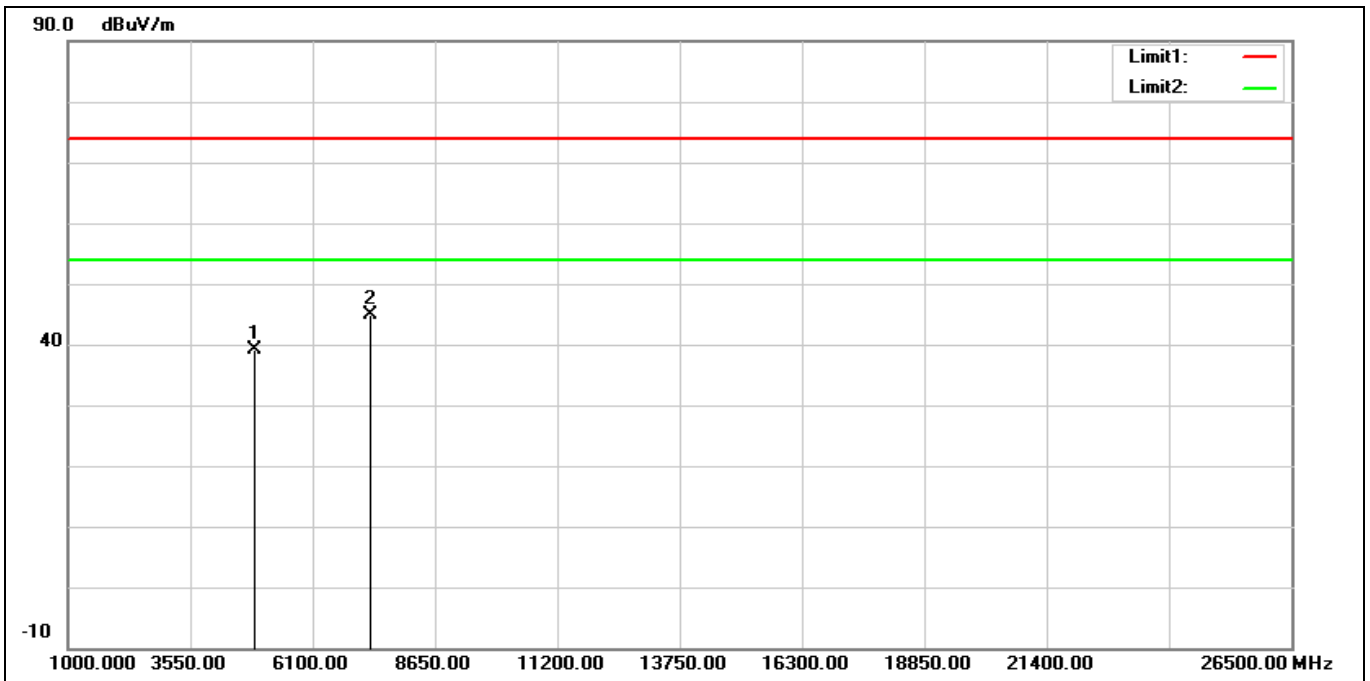
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	39.01	0.29	39.30	74.00	-34.70	peak
2*	7206.000	36.12	7.82	43.94	74.00	-30.06	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_8DPSK 2402 MHz		
Remark:			



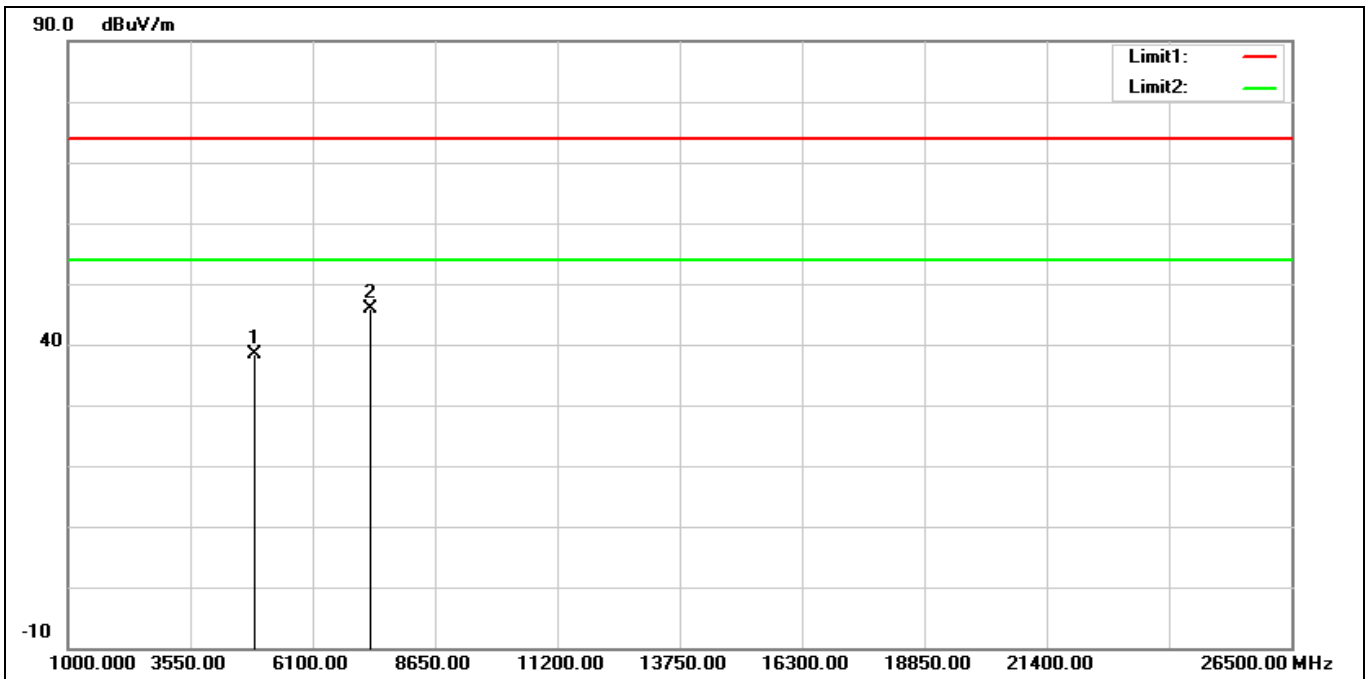
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	37.75	0.29	38.04	74.00	-35.96	peak
2*	7206.000	35.26	7.82	43.08	74.00	-30.92	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_8DPSK 2441 MHz		
Remark:			



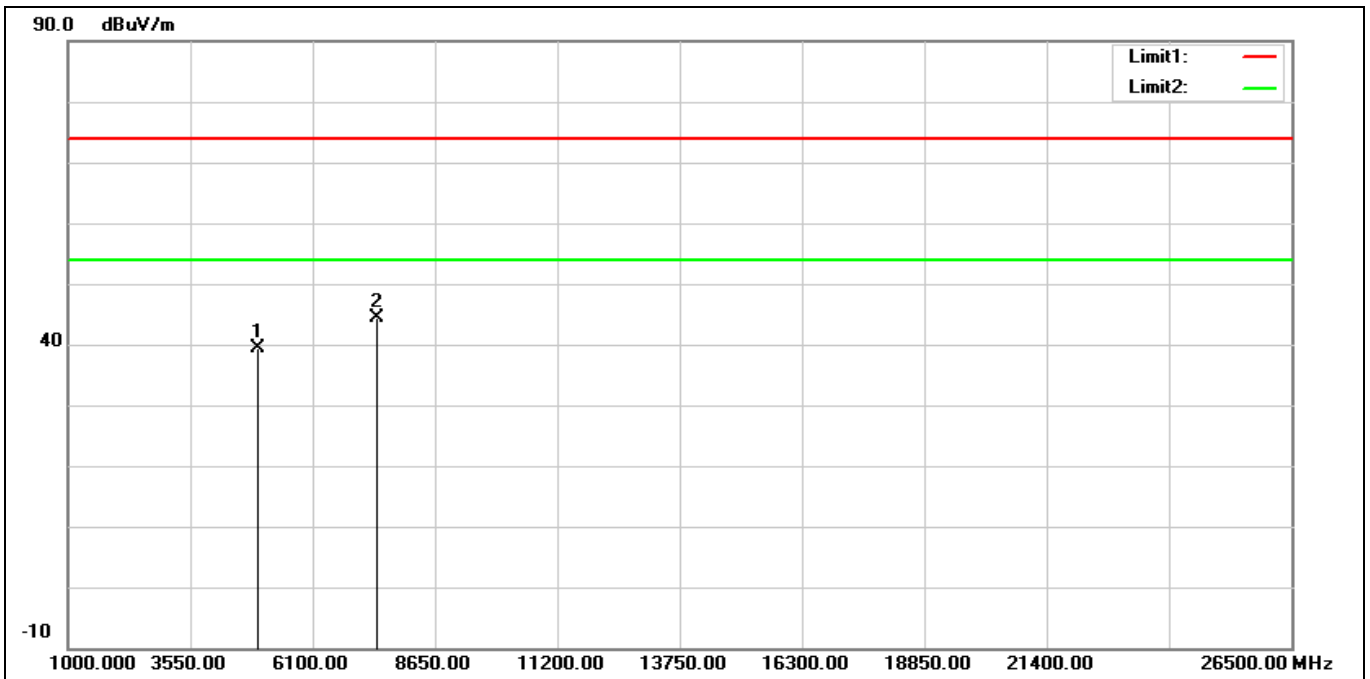
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4882.000	38.66	0.38	39.04	74.00	-34.96	peak
2*	7323.000	36.81	7.99	44.80	74.00	-29.20	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_8DPSK 2441 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4882.000	38.09	0.38	38.47	74.00	-35.53	peak
2*	7323.000	37.82	7.99	45.81	74.00	-28.19	peak

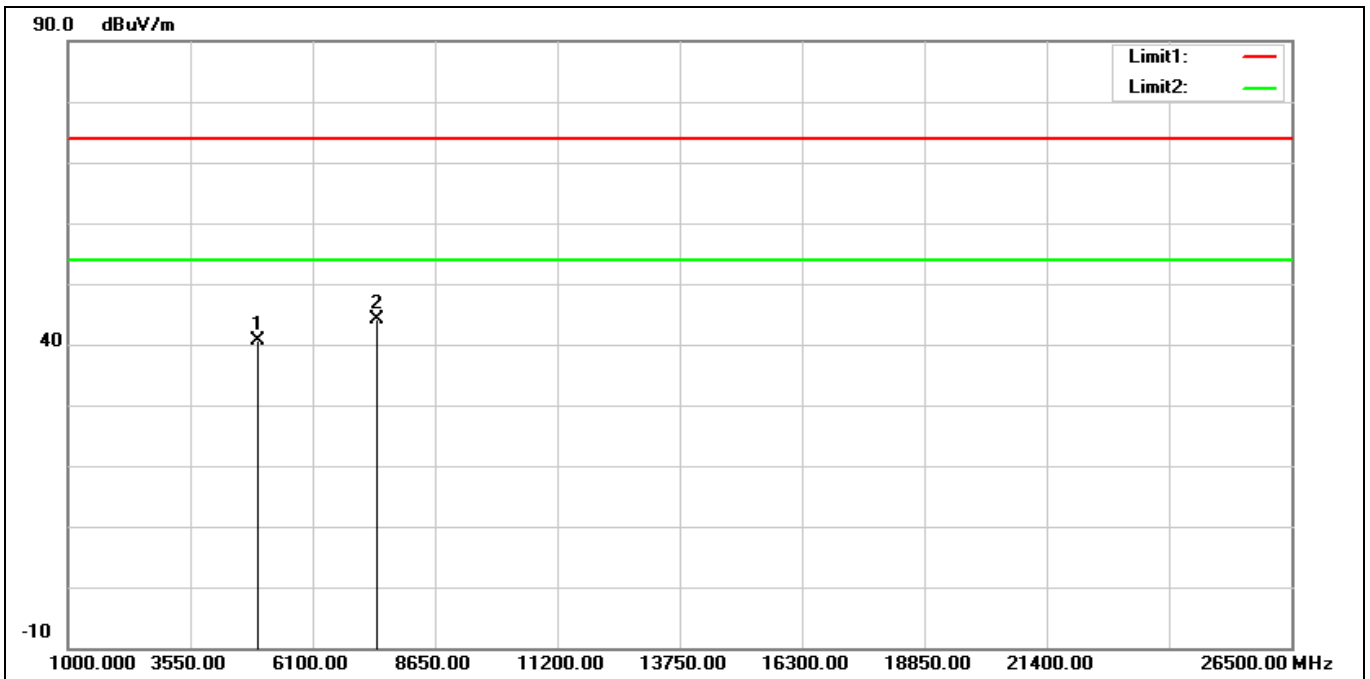
Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_8DPSK 2480 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4960.000	38.92	0.57	39.49	74.00	-34.51	peak
2*	7440.000	36.14	8.34	44.48	74.00	-29.52	peak



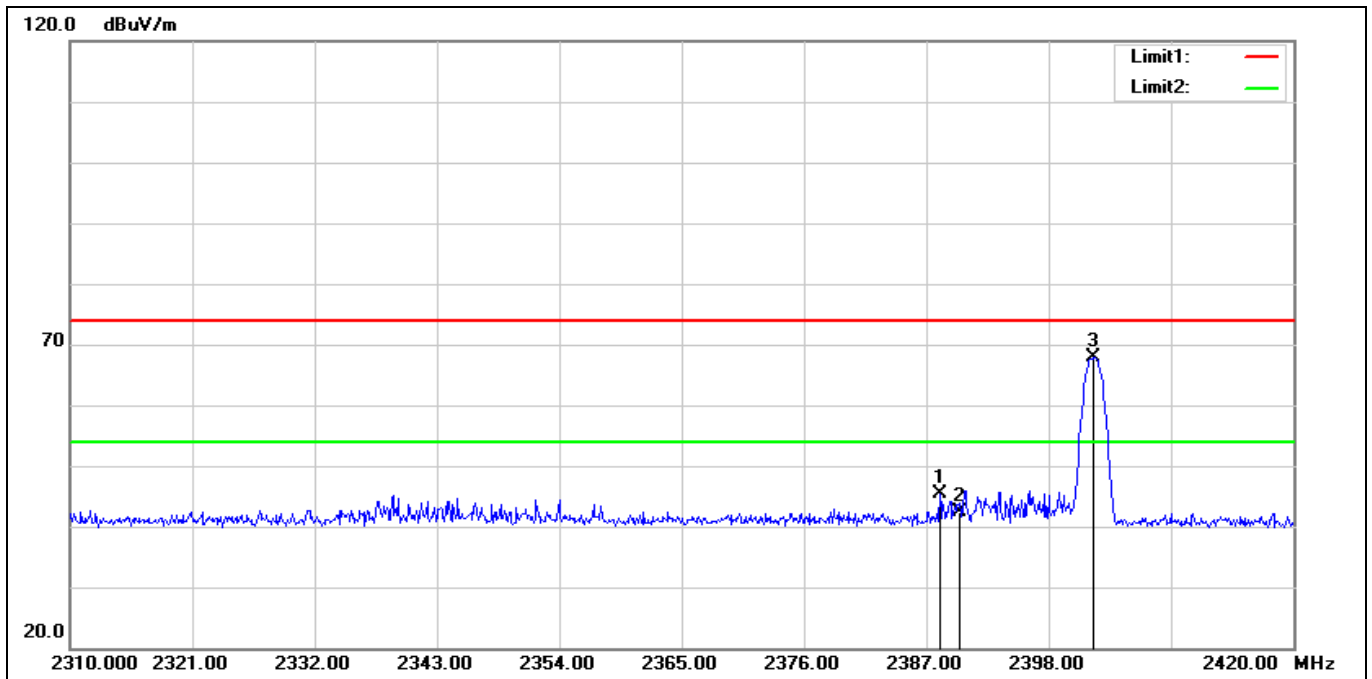
Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_8DPSK 2480 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4960.000	39.94	0.57	40.51	74.00	-33.49	peak
2*	7440.000	35.71	8.34	44.05	74.00	-29.95	peak

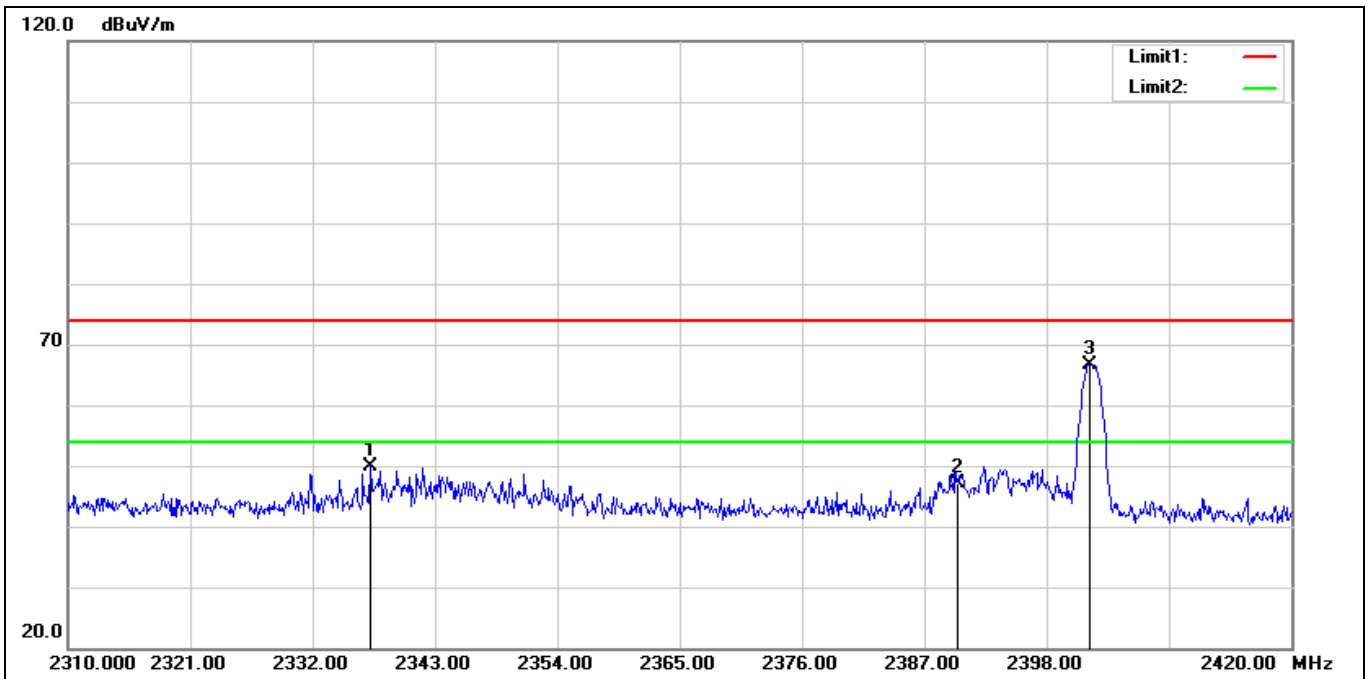
**Band Edge**

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_GFSK 2402 MHz		
Remark:			



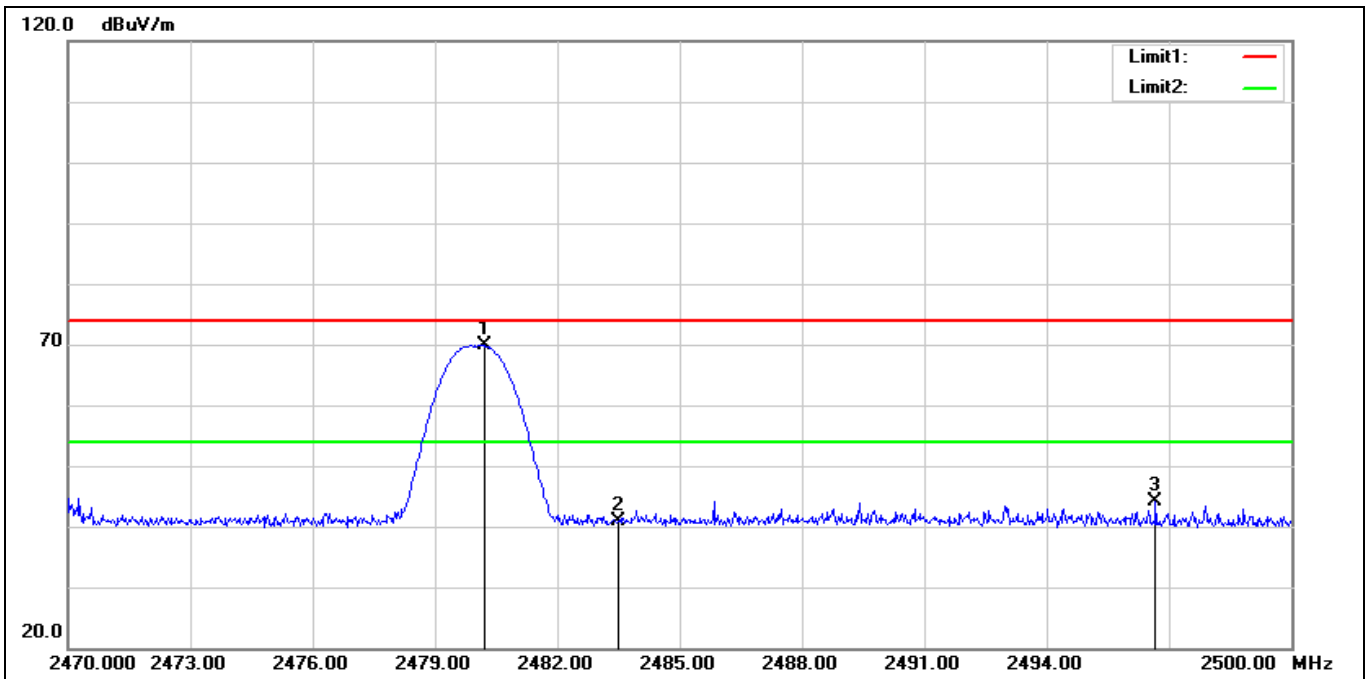
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.210	51.53	-6.18	45.35	74.00	-28.65	peak
2	2390.000	48.46	-6.19	42.27	74.00	-31.73	peak
3*	2401.960	74.11	-6.25	67.86	74.00	-6.14	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_GFSK 2402 MHz		
Remark:			



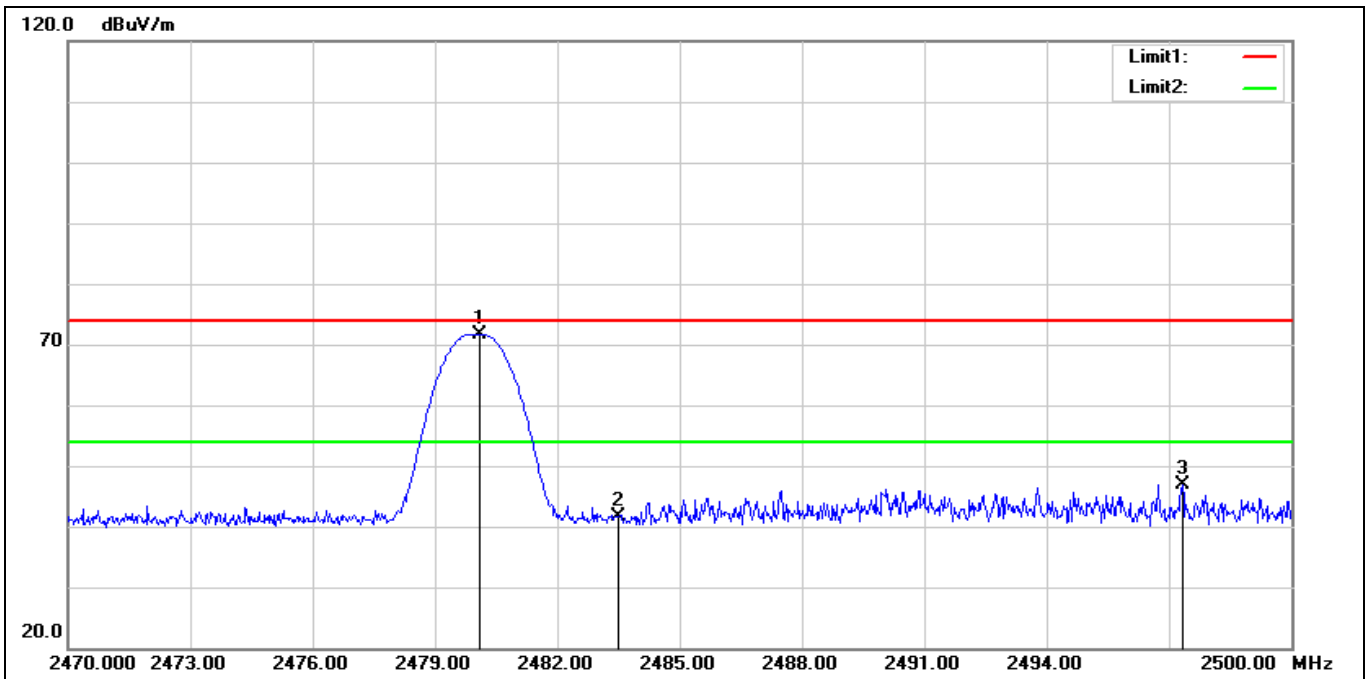
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2337.170	55.81	-6.04	49.77	74.00	-24.23	peak
2	2390.000	53.27	-6.19	47.08	74.00	-26.92	peak
3*	2401.850	72.91	-6.25	66.66	74.00	-7.34	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_GFSK 2480 MHz		
Remark:			



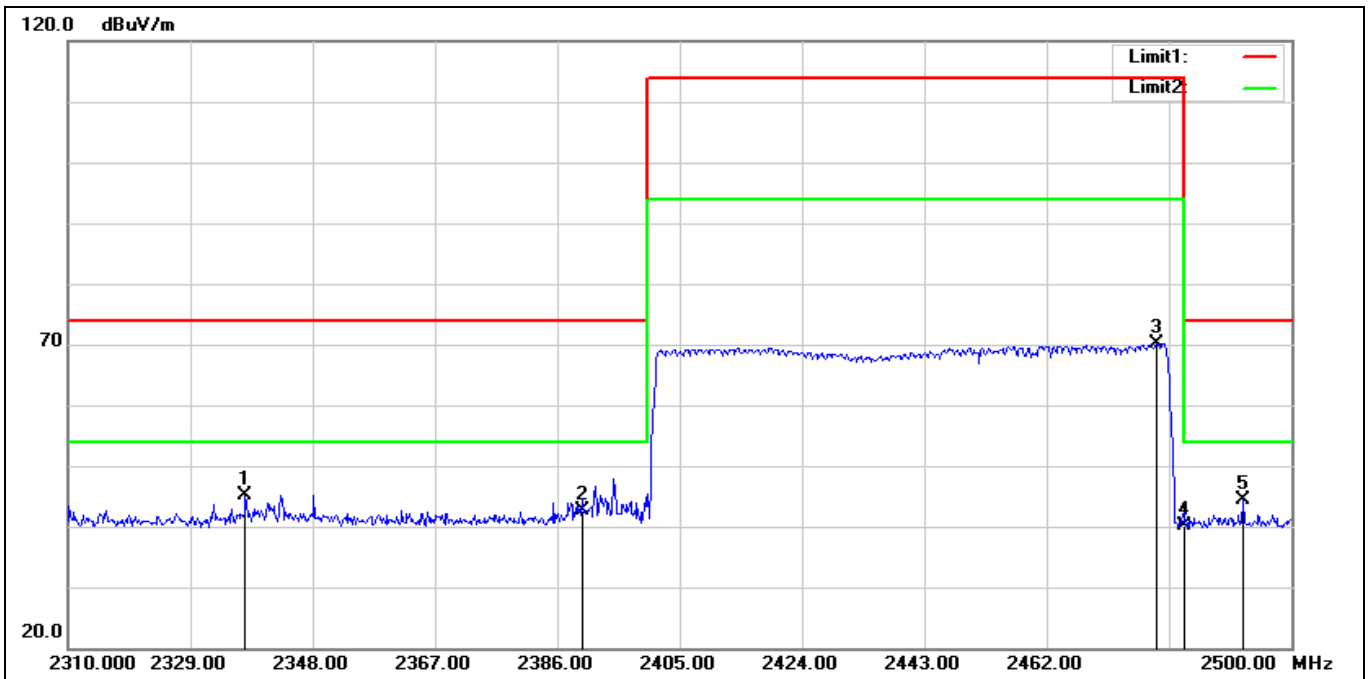
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2480.200	76.30	-6.46	69.84	74.00	-4.16	peak
2	2483.500	47.22	-6.46	40.76	74.00	-33.24	peak
3	2496.670	50.69	-6.50	44.19	74.00	-29.81	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_GFSK 2480 MHz		
Remark:			



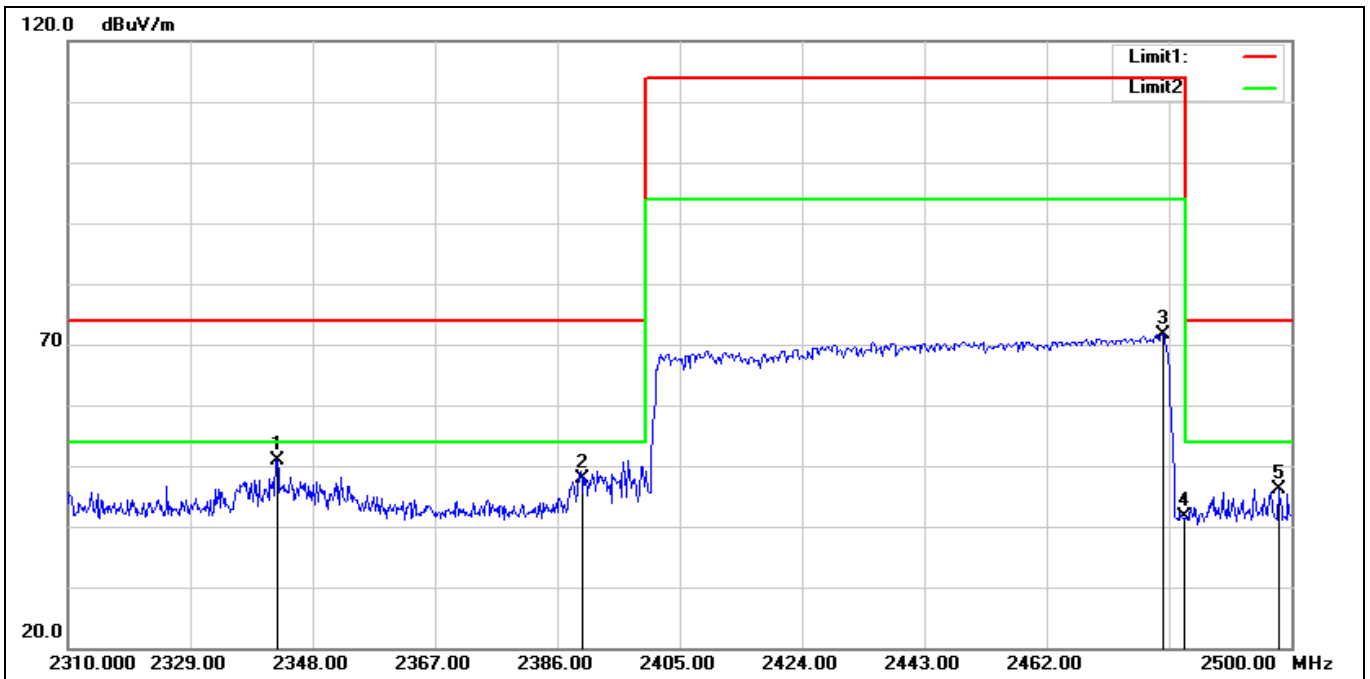
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2480.110	78.16	-6.46	71.70	74.00	-2.30	peak
2	2483.500	48.14	-6.46	41.68	74.00	-32.32	peak
3	2497.330	53.50	-6.50	47.00	74.00	-27.00	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	1M_Hopping		
Remark:			



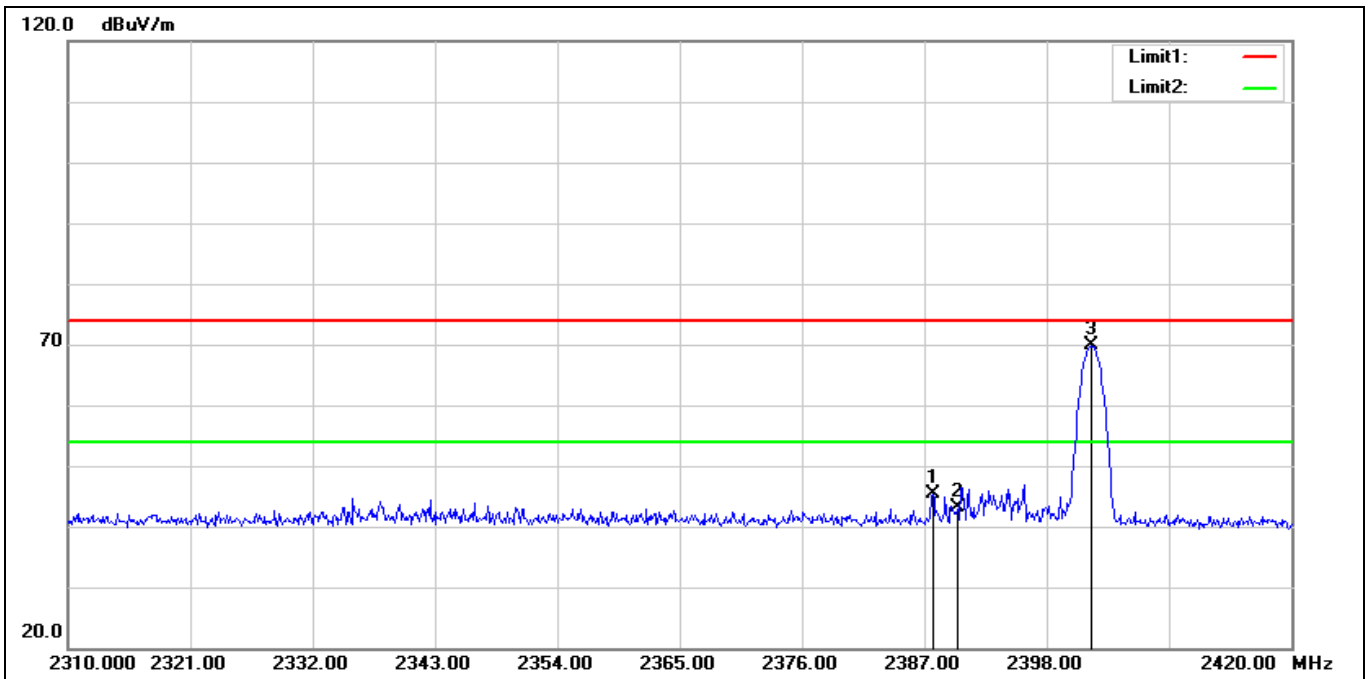
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2337.550	51.22	-6.03	45.19	74.00	-28.81	peak
2	2390.000	48.92	-6.19	42.73	74.00	-31.27	peak
3	2479.100	76.56	-6.46	70.10	114.00	-43.90	peak
4	2483.500	46.53	-6.46	40.07	74.00	-33.93	peak
5	2492.590	50.87	-6.49	44.38	74.00	-29.62	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	1M_Hopping		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2342.490	56.94	-6.03	50.91	74.00	-23.09	peak
2	2390.000	54.02	-6.19	47.83	74.00	-26.17	peak
3	2480.050	78.09	-6.46	71.63	114.00	-42.37	peak
4	2483.500	48.04	-6.46	41.58	74.00	-32.42	peak
5	2498.100	52.66	-6.50	46.16	74.00	-27.84	peak

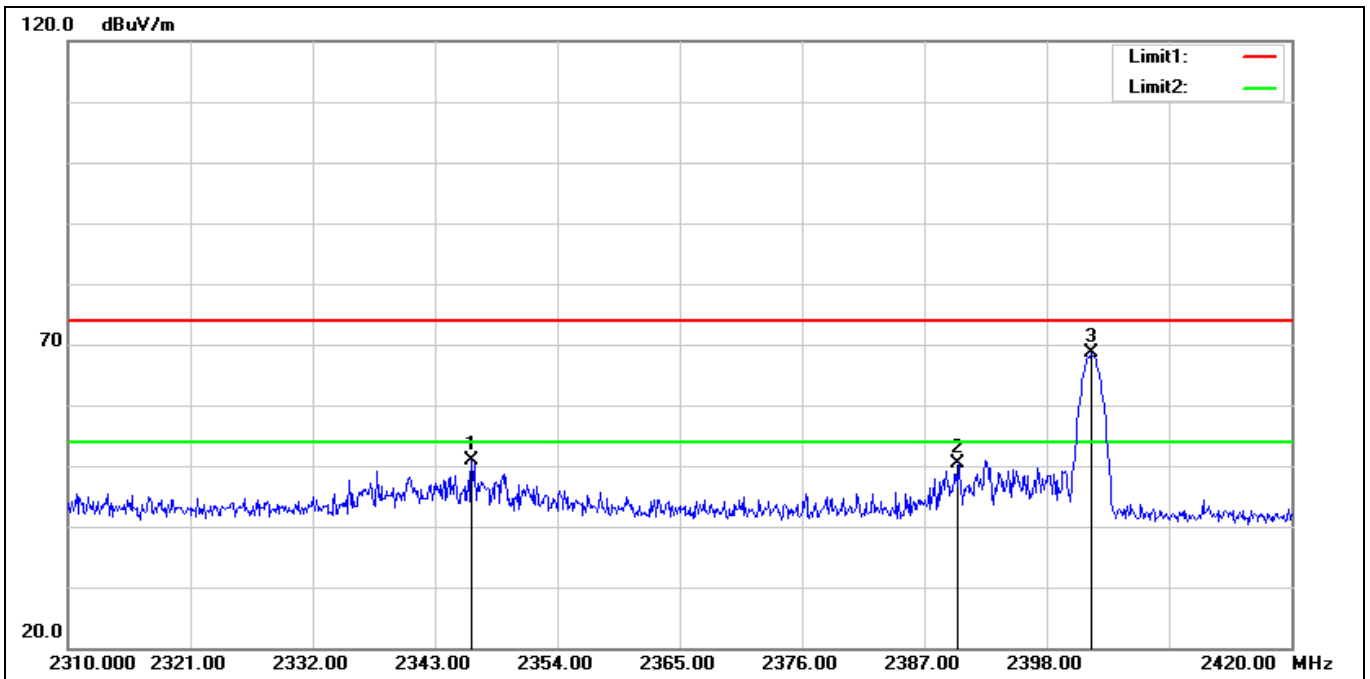
Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_8DPSK 2402 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2387.770	51.57	-6.18	45.39	74.00	-28.61	peak
2	2390.000	49.32	-6.19	43.13	74.00	-30.87	peak
3*	2402.070	76.19	-6.25	69.94	74.00	-4.06	peak

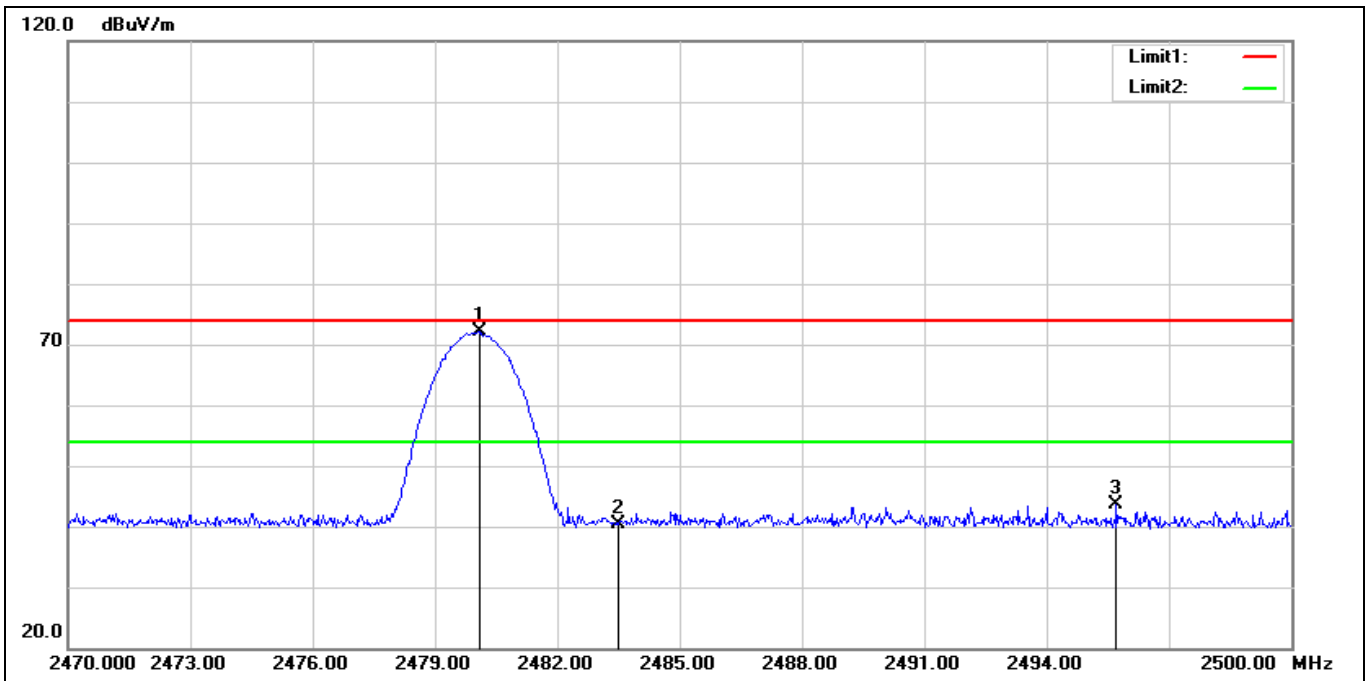


Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_8DPSK 2402 MHz		
Remark:			



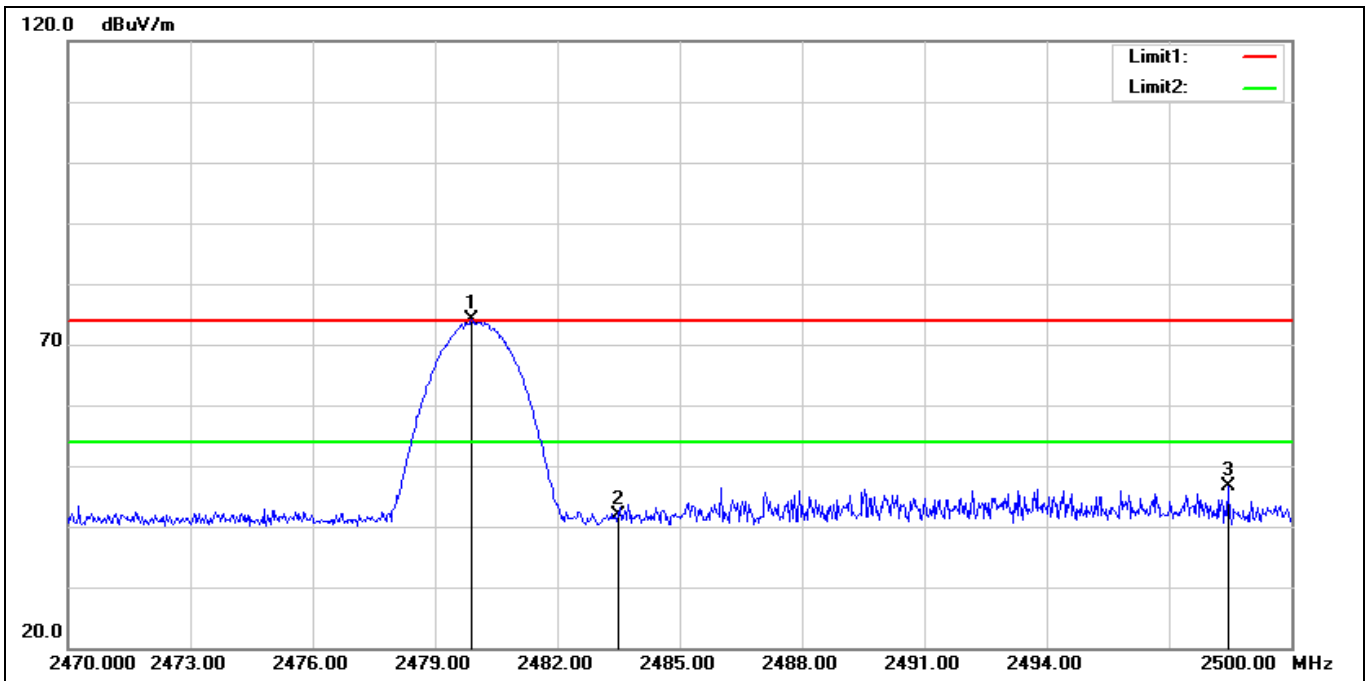
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2346.300	56.96	-6.01	50.95	74.00	-23.05	peak
2	2390.000	56.47	-6.19	50.28	74.00	-23.72	peak
3*	2402.070	74.85	-6.25	68.60	74.00	-5.40	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_8DPSK 2480 MHz		
Remark:			



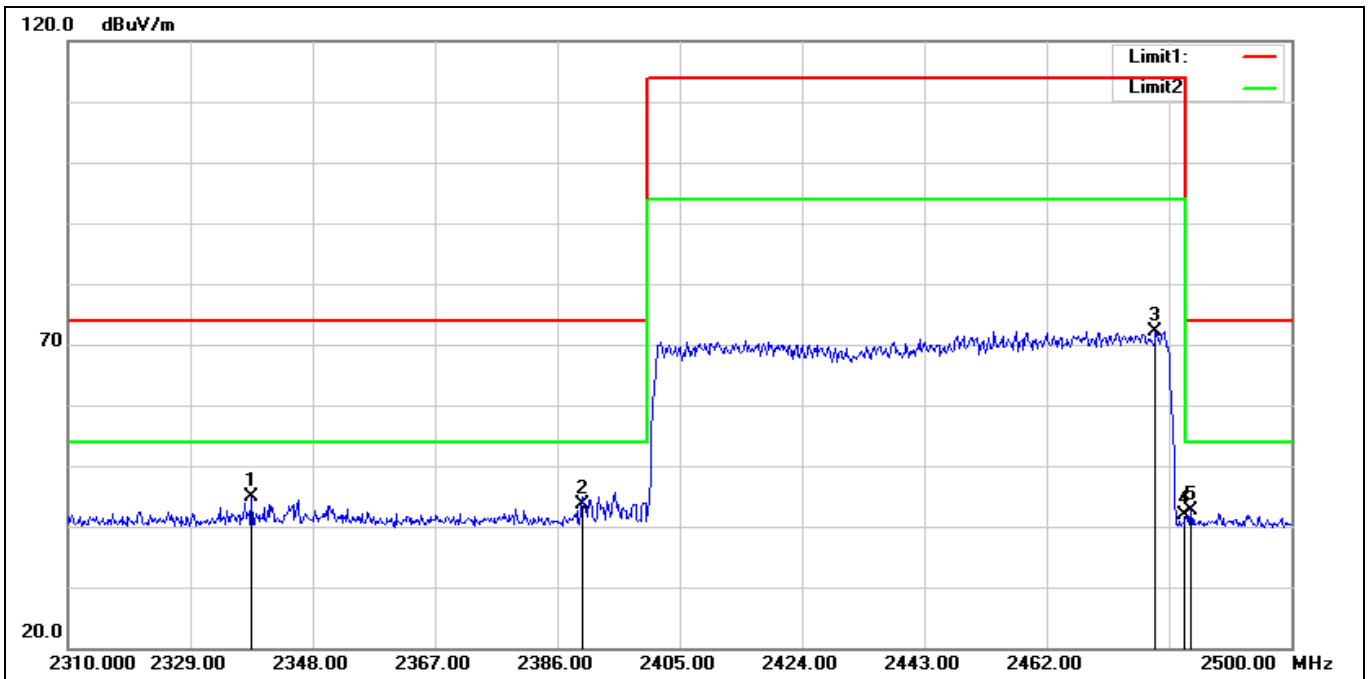
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2480.080	78.60	-6.46	72.14	74.00	-1.86	peak
2	2483.500	46.90	-6.46	40.44	74.00	-33.56	peak
3	2495.710	50.05	-6.49	43.56	74.00	-30.44	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_8DPSK 2480 MHz		
Remark:			



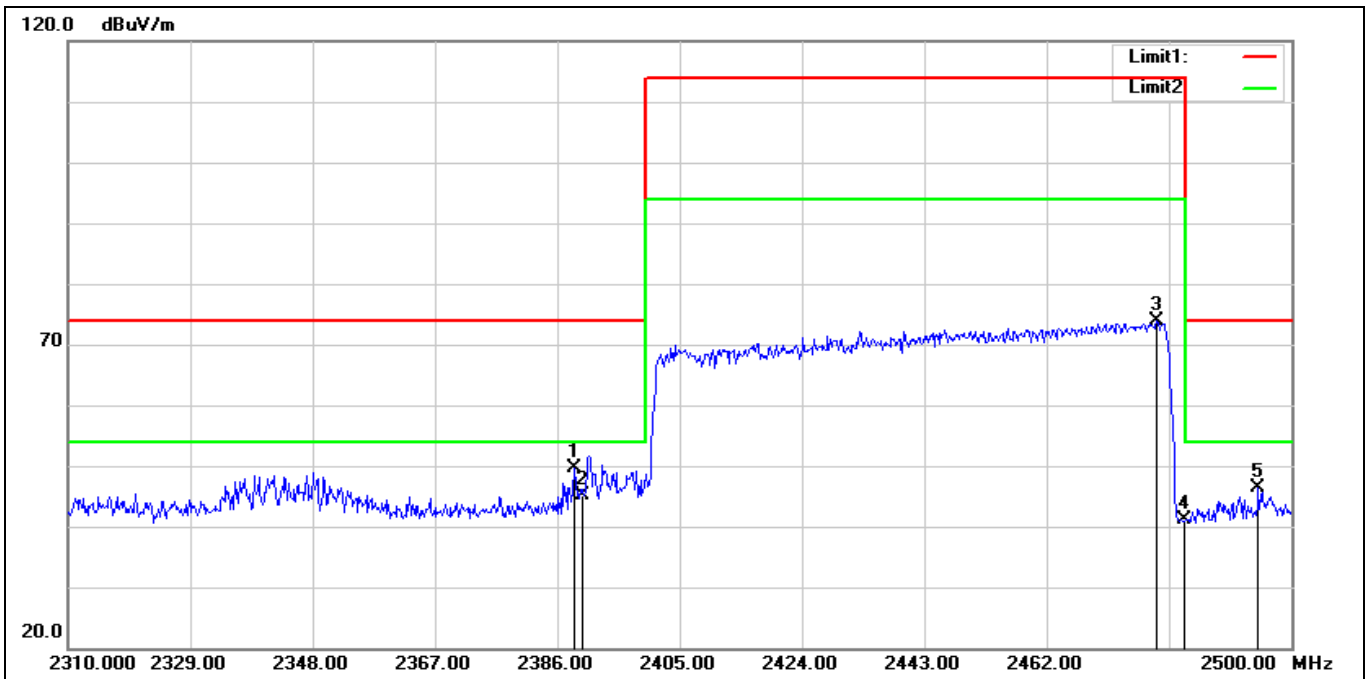
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2479.900	80.48	-6.46	74.02	74.00	0.02	peak
2	2483.500	48.35	-6.46	41.89	74.00	-32.11	peak
3	2498.440	53.01	-6.50	46.51	74.00	-27.49	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	3M_Hopping		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2338.500	50.91	-6.03	44.88	74.00	-29.12	peak
2	2390.000	49.83	-6.19	43.64	74.00	-30.36	peak
3	2478.910	78.64	-6.46	72.18	114.00	-41.82	peak
4	2483.500	48.30	-6.46	41.84	74.00	-32.16	peak
5	2484.420	49.10	-6.47	42.63	74.00	-31.37	peak

Standard:	Part 15C	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	3M_Hopping		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2388.660	55.73	-6.18	49.55	74.00	-24.45	peak
2	2390.000	51.21	-6.19	45.02	74.00	-28.98	peak
3	2479.100	80.41	-6.46	73.95	114.00	-40.05	peak
4	2483.500	47.62	-6.46	41.16	74.00	-32.84	peak
5	2494.870	52.94	-6.50	46.44	74.00	-27.56	peak

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