

Applicant

E&E

# **RF Test Report**

: Getac Technology Corporation

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Product Name	Wireless Module	
Trade Name	Getac	
Model Number	AX211NGW	

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

- Received Date : Oct. 13, 2022
- Test Period : Oct. 27 ~ Nov. 01, 2022
- Issued Date : Dec. 23, 2022

### **Issued by**

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



<u>Taiwan Accreditation Foundation accreditation number</u>: 1330 Frequency Range: 9 kHz to 325 GHz (Bade test site) Frequency Range: 9 kHz to 40 GHz (Wugu test site) Test Firm MRA designation number: TW0010

#### Note:

The test results are valid only for samples provided by customers and under the test conditions described in this report.
 This report shall not be reproduced except in full, without the written approval of Eurofins E&E Wireless Taiwan Co., Ltd.
 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	Dec. 23, 2022	Initial Issue	Emma Chao



# **Verification of Compliance**

Applicant	:	Getac Technology Corporation
Product Name	:	Wireless Module
Trade Name	:	Getac
Model Number	:	AX211NGW
FCC ID	:	QYLAX211NG
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.) Tel : +886-3-2710188 / Fax : +886-3-2710190 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	N/A	Note 1
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	N/A	Note 1
15.247(a)(1)	Carrier Frequency Separation	N/A	Note 1
15.247(a)(1)(iii)	Number of Hopping	N/A	Note 1
15.247(a)(1)(iii)	Time of Occupancy (Dwell Time)	N/A	Note 1
15.247(d)	Out of Band Conducted Spurious Emission	N/A Note 1	

Note 1: Class II permissive change. No need for verification.

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
	9 kHz ~ 30 MHz	2.2 dB
	30 MHz ~ 1000 MHz	5.1 dB
Radiated Emission	1000 MHz ~ 18000 MHz	5.2 dB
	18000 MHz ~ 26500 MHz	4.6 dB
	26500 MHz ~ 40000 MHz	4.6 dB
Conducted Output Power	1.	1 dB
RF Bandwidth	4.	7 %
Power Spectral Density	1.	1 dB



2

## EUT Description

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Applicant	Getac Technology Corporation 5F.,Building A,No.209,Sec.1 Nangang.,Rd., Taipei City, 11568, Taiwan			
Product Name	Wireless Module			
Trade Name	Getac			
Model Number	AX211NGW			
FCC ID	QYLAX211NG			
Host Information	Trade Name: Ge Model Name: U≯ characters, Y car	Product Name: Tablet Trade Name: Getac Model Name: UX10, UX10G3, UX10-301, UX10-321, UX10-Ex, UX10Y(Y= 10 characters, Y can be 0 to 9, A to Z, a to z, "/", "\", "-", "_" or blank for marketing purpose) (Different model numbers are for market purpose.)		
Frequency Range	2402 ~ 2480 MH	2402 ~ 2480 MHz		
Modulation Type	GFSK for 1 Mbps			
	π/4-DQPSK for 2 Mbps			
	8DPSK for 3 Mbps			
Operate Temp. Range	-10 ~ +55 °C			
EUT Power Rating	DC 3.3 V			
	ANT	Model Number	Туре	Max. Gain (dBi)
Antenna information	ANT-0 (AUX)	UX10G3 AUXWIFI ANT	PIFA Antenna	1.19
Max. RF Output Power	GFSK for 1 Mbps	s 0.01096 W		
	$\pi$ /4-DQPSK for 2	2 Mbps 0.00839 W		
	8DPSK for 3 Mb	os 0.00845 W		

EUT Modify Description :

Modify Description:

Added Host Model: UX10, UX10G3, UX10-301, UX10-321, UX10-Ex, UX10Y(Y= 10 characters, Y can be 0 to 9, A to Z, a to z, "/", "\", "-", "\_" or blank for marketing purpose)

After our evaluation, the retest of Transmitter Radiated Emissions and Conducted Output Power is required. The other test data refer to the original report.



## 3 Test Methodology

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### 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
Transmit mode
BT_GFSK
BT_π/4-DQPSK
BT_8DPSK

Final-Test Mode	
Transmit Mode	
BT_GFSK	
BT_8DPSK	

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.

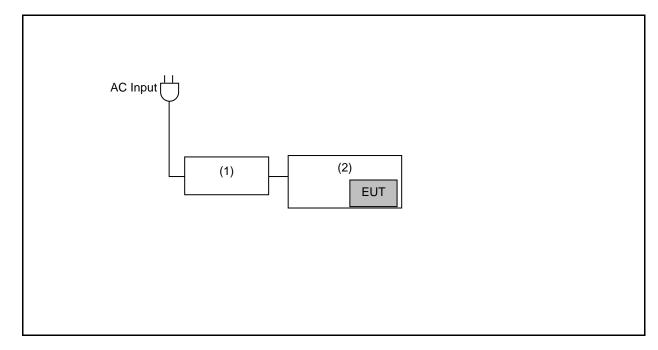
By preliminary testing and verifying three axis (X, Y and Z) position of EUT transmitted status, it was found that "Y axis" position was the worst, then the final test was executed the worst condition and test data were recorded in this report.

### 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



	Devices Description							
	Product Manufacturer		Model Number	Serial Number	Power Cord			
(1)	Adapter	FSP	FSP065-RBBN3					
(2)	Tablet	Getac	UX10G3					



## 3.4. Test Instruments

## For Conducted

Test Period:Oct. 27, 2022 Testing Engineer: Peter Shui

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	Test Site	RF01-BD				
Use	Equipment	Manufacturer	Manufacturer Model Number Serial Number		Cal. Date	Cal. Period
	Power Sensor	Anritsu	MA2411B	1126022	Sep. 04, 2022	1 year
	Power Meter	Anritsu	ML2495A	1135009	Sep. 04, 2022	1 year
$\boxtimes$	Power Sensor	Agilent	N1921A	MY45241957	Dec. 06, 2021	1 year
$\boxtimes$	Power Meter	Agilent	N1911A	MY45101619	Dec. 06, 2021	1 year
	Spectrum Analyzer (10 Hz~26.5 GHz)	Keysight	N9010B	MY59071418	Mar. 16, 2022	1 year
	Spectrum Analyzer (9 kHz~26.5 GHz)	Agilent	N9010A	MY48030518	Jul. 21, 2022	1 year
	Spectrum Analyzer (20 Hz~26.5 GHz)	Agilent	N9020A	US47520902	Sep. 01, 2022	1 year
	Spectrum Analyzer (3 Hz~50 GHz)	Agilent	N9030A	MY53120541	Jan. 05, 2022	1 year
	Temperature & Humidity Chamber	TAICHY	MHU-225LA	980729	Mar. 28, 2022	1 year
	Signal Generator	Keysight	N5182B	MY53052569	Apr. 16, 2022	1 year
	Signal Generator	Keysight	N5182BX07	MY59360221	Apr. 16, 2022	1 year
	Bluetooth Tester	R&S	CBT	100350	Mar. 17, 2021	2 years
	Wireless Connectivity Tester	R&S	CMW270	102208	Jun. 01, 2022	1 year
	Power Supply	KEITHLEY	2303	4045290	Jan. 19, 2022	1 year

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



#### For Radiated Emissions Test Period: Nov. 01, 2022 Testing Engineer: Hung Chou

	Test Site	96603-BD					
R	adiation test sites	Semi Anechoic Room					
Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period	
	Spectrum Analyzer (2 Hz~50 GHz)	Keysight	N9030B	MY57143537	Apr. 14, 2022	1 year	
	Spectrum Analyzer (10 Hz~44 GHz)	Keysight	N9020B	MY60112363	Feb. 27, 2022	1 year	
	Amplifier (100 kHz~1.3 GHz)	Agilent	8447D	2944A11119	Jan. 14, 2022	1 year	
	Broadband Amplifier (1 GHz~26.5 GHz)	Titan	T0912E01263025A 1F	002	Jul. 21, 2022	1 year	
	Preamplifier (26.5 GHz~40 GHz)	EMCI	EMC2654045	980028	Sep. 02, 2022	1 year	
$\boxtimes$	Loop Antenna (9 kHz~30 MHz)	COM-POWER CORPORATION	AL-130	121014	Mar. 28, 2022	1 year	
	Trilog Broadband Antenna (30 kHz~1 GHz)	Schwarzbeck Mess-Elektronik	VULB9168	416	Nov. 17, 2021	1 year	
	Broadband Horn Antenna (1 GHz~18 GHz)	Schwarzbeck Mess-Elektronik	9120D	02207	Jul. 13, 2022	1 year	
	Broadband Horn Antenna (1 GHz~18 GHz)	Schwarzbeck Mess-Elektronik	9120D	9120D-550	Aug. 25, 2022	1 year	
$\boxtimes$	Broadband Horn Antenna (18 GHz~40 GHz)	Schwarzbeck Mess-Elektronik	9170	9170-320	Aug. 25, 2022	1 year	
	Coaxial Cable	Titan	T0710AT327A10A1 00	J11005	Aug. 04, 2022	1 year	
	Coaxial Cable	Titan	T0710AT327A10A9 00	J11004	Aug. 04, 2022	1 year	
$\boxtimes$	Coaxial Cable	Titan	CFD400NL-LW	001	Aug. 04, 2022	1 year	
$\boxtimes$	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

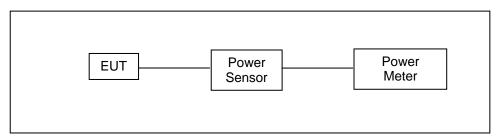
### 4.1. Maximum Conducted Output Power Measurement

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#### 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.

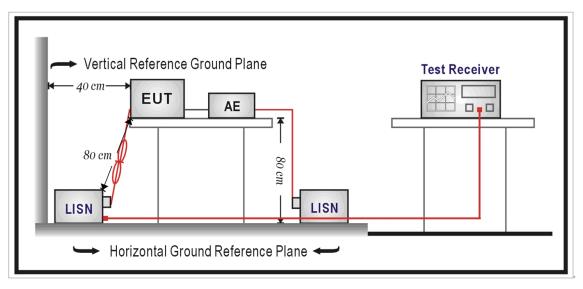


## 4.2. AC Power Line Conducted Emission Measurement

#### ■ 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

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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 uH 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 uH 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

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#### Limit

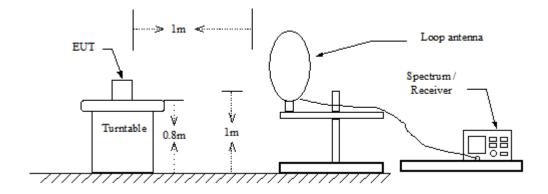
According to §15.209(a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency	Field Strength	Measurement Distance
(MHz)	(μV/m at meter)	(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

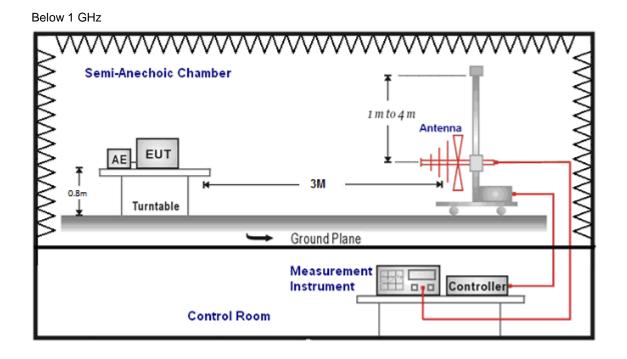
\*\* Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this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

Setup

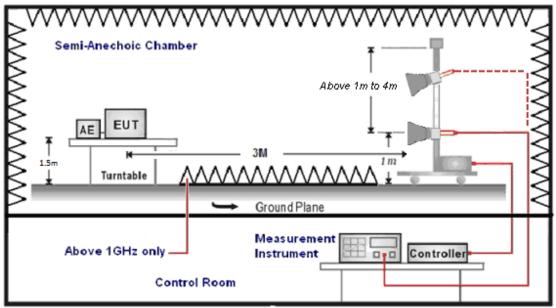
9 kHz ~ 30 MHz







Above 1 GHz





#### Test Procedure

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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 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 tree 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 colts 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) 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) 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.



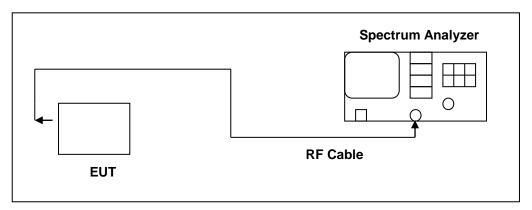
### 4.4. 20 dB RF Bandwidth Measurement

Limit

🛟 eurofins

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 ≥ 1 % of the 20 dB span
- 3. VBW ≥ 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.



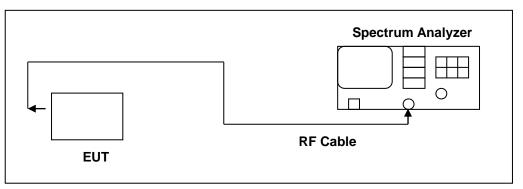
### 4.5. Carrier Frequency Separation Measurement

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#### 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) ≥ 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.



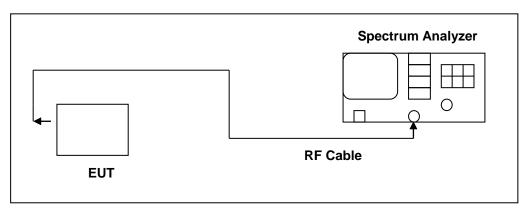
### 4.6. Number of Hopping Measurement

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#### 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 ≥ RBW
- 4. Sweep = auto
- 5. Detector function = peak
- 6. Trace = max hold

The trace was allowed to stabilize.

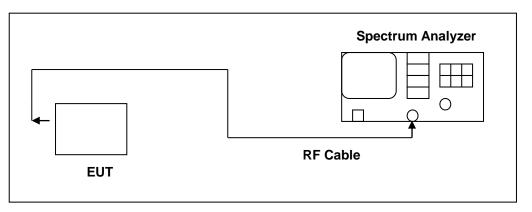


## 4.7. Time of Occupancy (Dwell Time) Measurement

#### 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 ≥ 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.



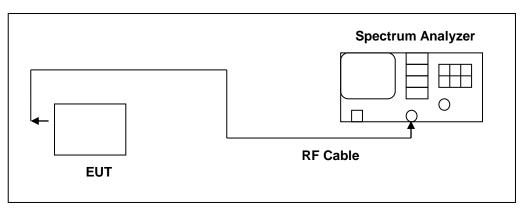
## 4.8. Out of Band Conducted Emissions Measurement

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#### 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.



## 5 Test Results

## 5.1. Conducted Test Results

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

E&E

Test Mode	Frequency (MHz)	RF Power setting in Test Software	Test Software Version
	2402	-1.00	
BT_GFSK	2441	1.00	
	2480	11.00	
	2402	6.00	
BT_π/4-DQPSK	2441	9.00	DRTU 02593.22.170.0
	2480	7.00	
	2402	6.00	
BT_8DPSK	2441	9.00	
	2480	7.00	

Test Mode	Frequency (MHz)	Packet Type	Avg	Power	Peak	Power	Power Limit	Gain	EIRP	Power	EIRP Power Limit
			dBm	W	dBm	W	W	dBi	dBm	W	W
	2402	DH5	9.39	0.00869	9.62	0.00916	<0.125	1.19	10.81	0.01205	4.00
BT_GFSK	2441	DH5	9.51	0.00893	9.76	0.00946	<0.125	1.19	10.95	0.01245	4.00
	2480	DH5	10.12	0.01028	10.40	0.01096	<0.125	1.19	11.59	0.01442	4.00
	2402	2DH5	7.28	0.00535	8.95	0.00785	<0.125	1.19	10.14	0.01033	4.00
BT_π/4-DQPSK	2441	2DH5	7.83	0.00607	9.24	0.00839	<0.125	1.19	10.43	0.01104	4.00
	2480	2DH5	7.50	0.00562	9.20	0.00832	<0.125	1.19	10.39	0.01094	4.00
	2402	3DH5	7.31	0.00538	8.97	0.00789	<0.125	1.19	10.16	0.01038	4.00
BT_8DPSK	2441	3DH5	7.85	0.00610	9.27	0.00845	<0.125	1.19	10.46	0.01112	4.00
	2480	3DH5	7.52	0.00565	9.22	0.00836	<0.125	1.19	10.41	0.01099	4.00

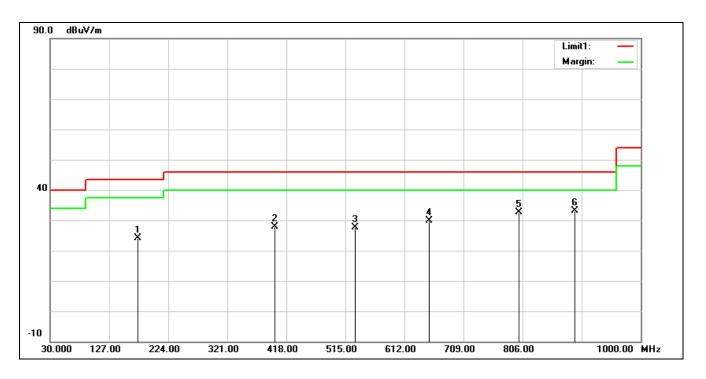
Note: The relevant measured result has the offset with cable loss already.



## 5.2. Radiated Emission Measurement

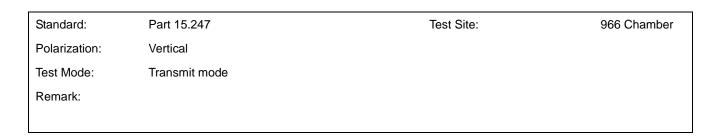
Below	1	GHz

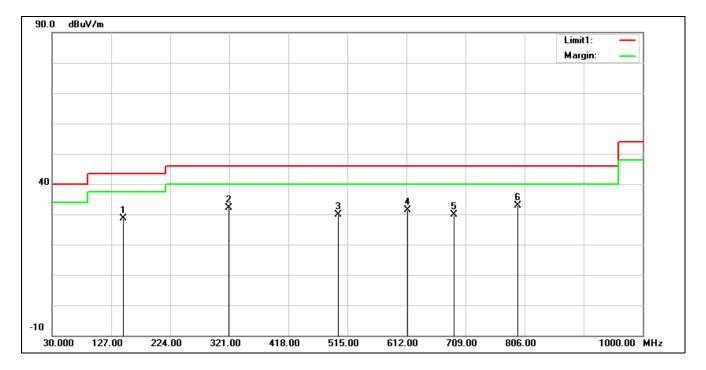
Part 15.247	Test Site:	966 Chamber
Horizontal		
Transmit mode		
	Horizontal	Horizontal



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	174.5300	32.24	-8.13	24.11	43.50	-19.39	QP
2	399.5700	32.28	-4.33	27.95	46.00	-18.05	QP
3	530.5200	29.43	-1.72	27.71	46.00	-18.29	QP
4	652.7400	29.14	0.73	29.87	46.00	-16.13	QP
5	800.1800	28.85	3.84	32.69	46.00	-13.31	QP
6*	892.3300	27.86	5.33	33.19	46.00	-12.81	QP







No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	147.3700	35.99	-7.40	28.59	43.50	-14.91	QP
2	320.0300	38.38	-6.37	32.01	46.00	-13.99	QP
3	500.4500	32.11	-2.11	30.00	46.00	-16.00	QP
4	613.9400	31.11	0.29	31.40	46.00	-14.60	QP
5	689.6000	28.36	1.46	29.82	46.00	-16.18	QP
6*	795.3300	29.04	3.75	32.79	46.00	-13.21	QP

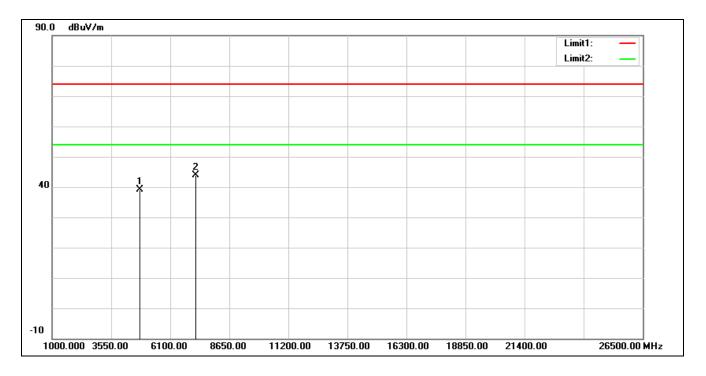


歐陸電子通訊檢測股份有限公司 Eurofins E&E Wireless Taiwan Co., Ltd.

Harmonic

Above 1 GHz

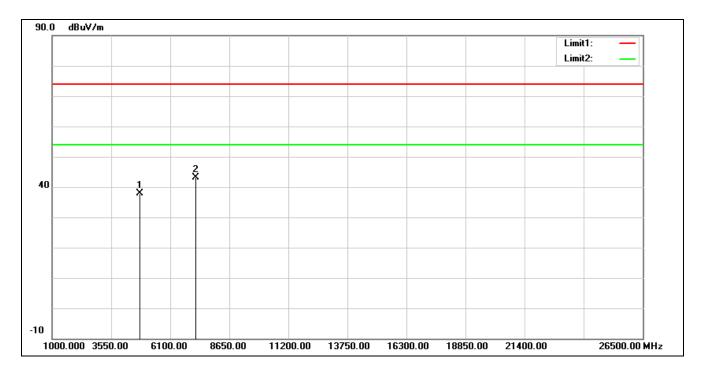
Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_GFSK 2402MHz		
Remark:			



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4804.000	38.84	0.29	39.13	74.00	-34.87	peak
2*	7206.000	36.10	7.82	43.92	74.00	-30.08	peak

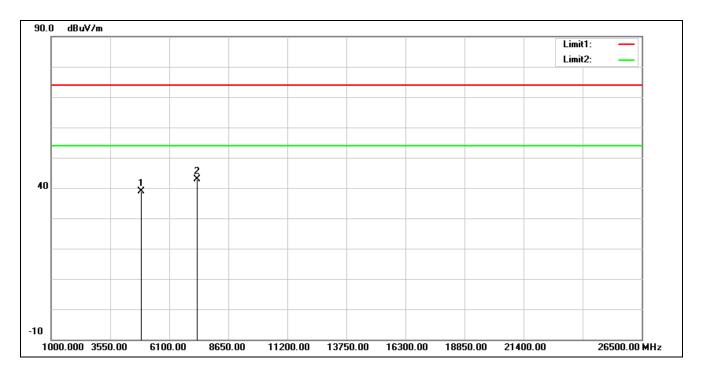


Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_GFSK 2402MHz		
Remark:			



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4804.000	37.64	0.29	37.93	74.00	-36.07	peak
2*	7206.000	35.30	7.82	43.12	74.00	-30.88	peak

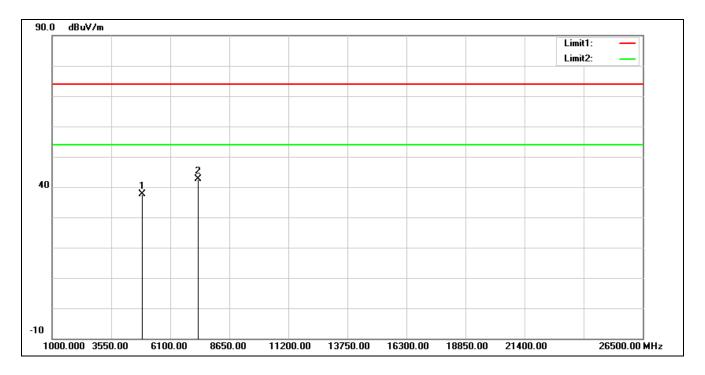




No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4882.000	38.56	0.38	38.94	74.00	-35.06	peak
2*	7323.000	34.85	7.99	42.84	74.00	-31.16	peak



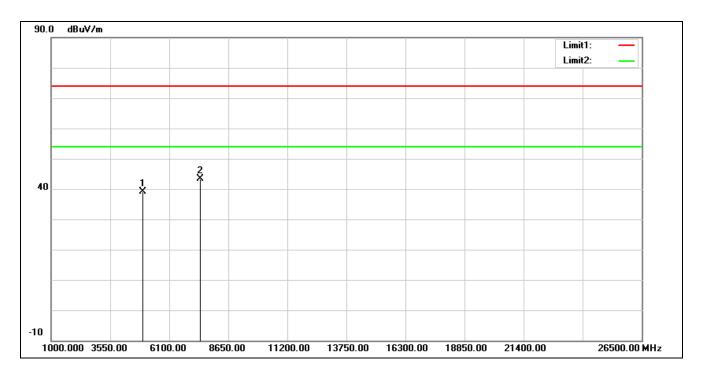
Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_GFSK 2441MHz		
Remark:			



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4882.000	37.27	0.38	37.65	74.00	-36.35	peak
2*	7323.000	34.61	7.99	42.60	74.00	-31.40	peak



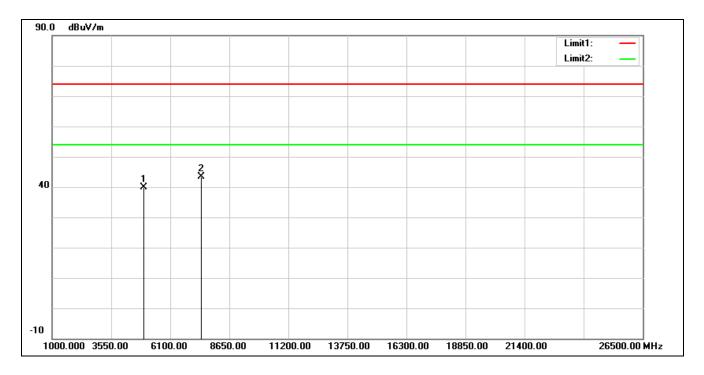
Standard:Part 15.247Test Site:966 ChamberPolarization:Horizontal---Test Mode:BT\_GFSK 2480MHz----Remark:------



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4960.000	38.49	0.57	39.06	74.00	-34.94	peak
2*	7440.000	35.06	8.34	43.40	74.00	-30.60	peak



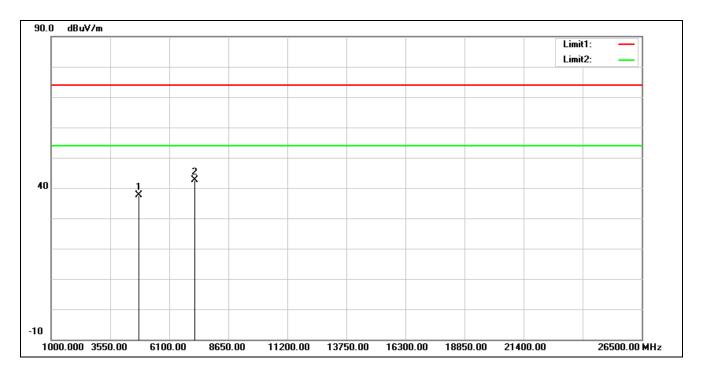
Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_GFSK 2480MHz		
Remark:			



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4960.000	39.24	0.57	39.81	74.00	-34.19	peak
2*	7440.000	35.01	8.34	43.35	74.00	-30.65	peak



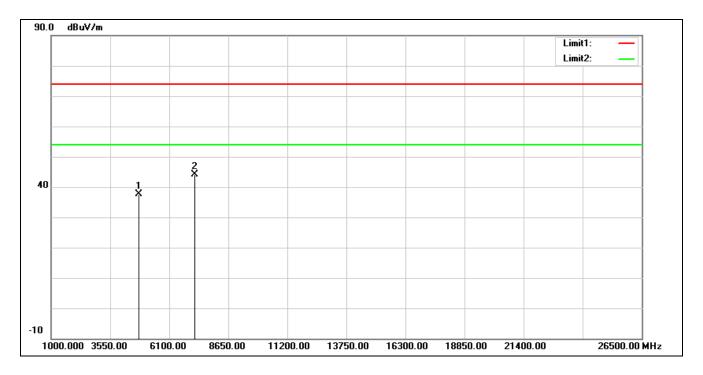
Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_8DPSK 2402MHz		
Remark:			



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4804.000	37.25	0.29	37.54	74.00	-36.46	peak
2*	7206.000	34.85	7.82	42.67	74.00	-31.33	peak



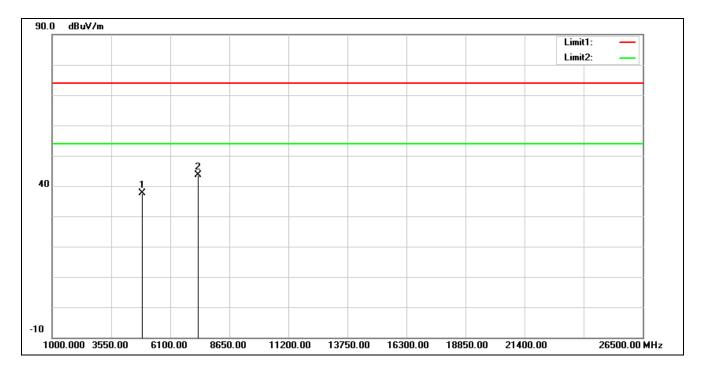
Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_8DPSK 2402MHz		
Remark:			



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4804.000	37.32	0.29	37.61	74.00	-36.39	peak
2*	7206.000	36.30	7.82	44.12	74.00	-29.88	peak



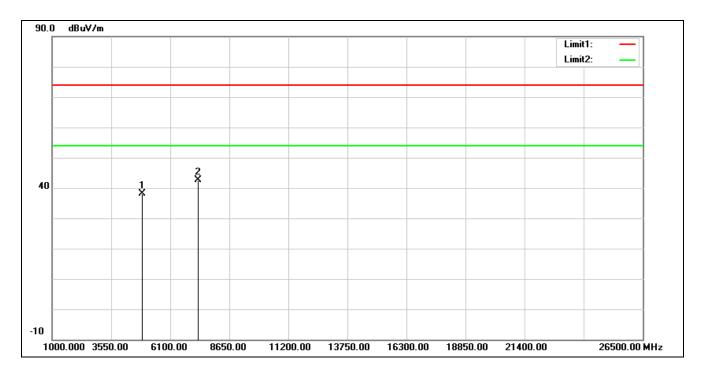
Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_8DPSK 2441MHz		
Remark:			



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4882.000	37.37	0.38	37.75	74.00	-36.25	peak
2*	7323.000	35.69	7.99	43.68	74.00	-30.32	peak



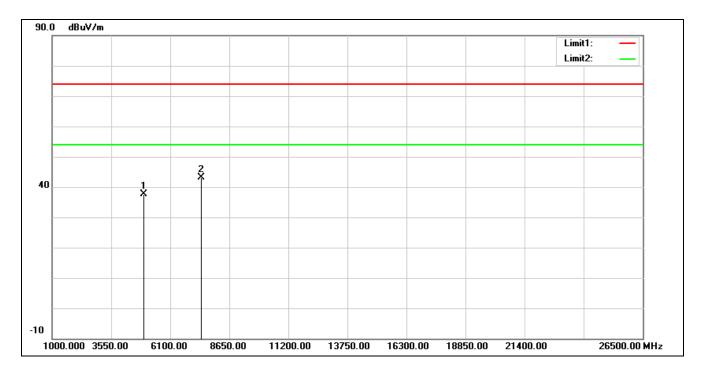
Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_8DPSK 2441MHz		
Remark:			



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4882.000	37.86	0.38	38.24	74.00	-35.76	peak
2*	7323.000	34.54	7.99	42.53	74.00	-31.47	peak



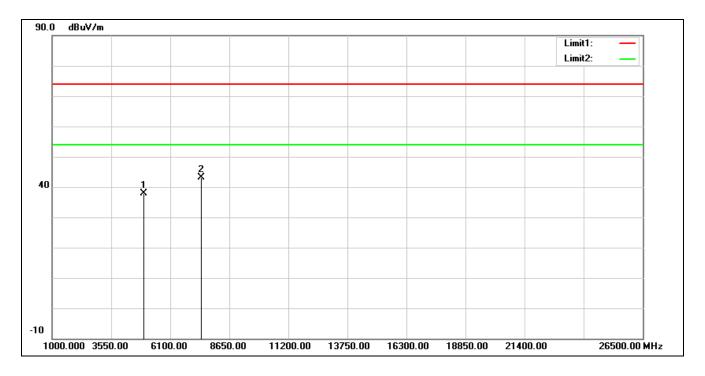
Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_8DPSK 2480MHz		
Remark:			



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4960.000	37.05	0.57	37.62	74.00	-36.38	peak
2*	7440.000	34.76	8.34	43.10	74.00	-30.90	peak



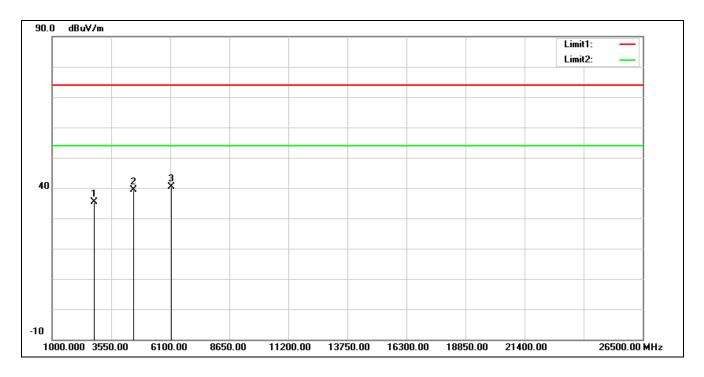
Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_8DPSK 2480MHz		
Remark:			



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4960.000	37.21	0.57	37.78	74.00	-36.22	peak
2*	7440.000	34.72	8.34	43.06	74.00	-30.94	peak



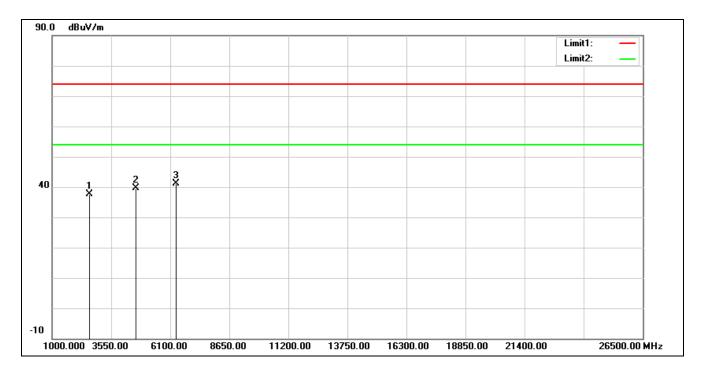
Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	Simultaneous Transmitting 3G(B5)+BT+	wifi 2.4G	
Remark:			



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2819.000	40.65	-5.26	35.39	74.00	-38.61	peak
2	4519.000	40.23	-0.83	39.40	74.00	-34.60	peak
3*	6151.000	36.64	3.81	40.45	74.00	-33.55	peak



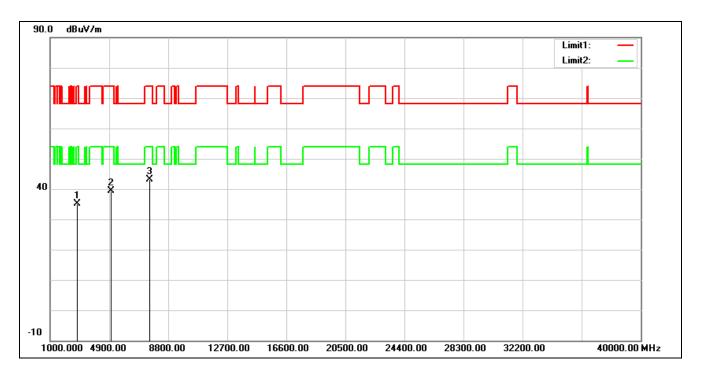
Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	Simultaneous Transmitting 3G(B5)+B	ST+wifi 2.4G	
Remark:			



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2598.000	43.77	-6.11	37.66	74.00	-36.34	peak
2	4621.000	40.16	-0.52	39.64	74.00	-34.36	peak
3*	6338.000	36.77	4.40	41.17	74.00	-32.83	peak



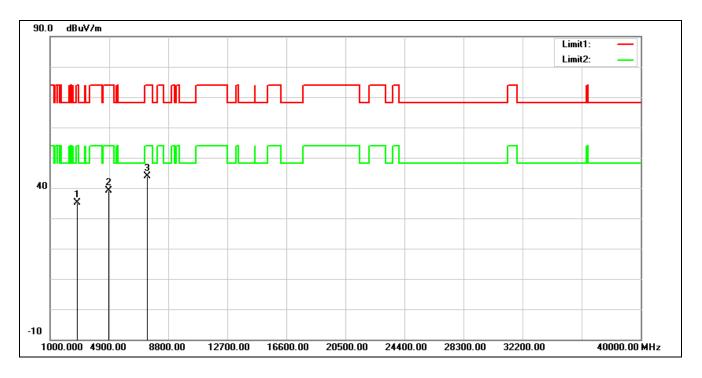
Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	Simultaneous Transmitting 3G(B5)+	BT+wifi 5G	
Remark:			



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2785.000	40.51	-5.38	35.13	74.00	-38.87	peak
2	5029.000	38.36	0.93	39.29	74.00	-34.71	peak
3*	7562.000	34.71	8.45	43.16	74.00	-30.84	peak



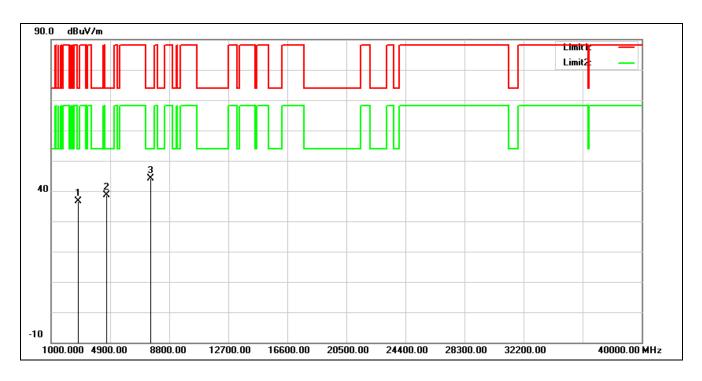
Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	Simultaneous Transmitting 3G(B5	)+BT+wifi 5G	
Remark:			



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2802.000	40.32	-5.27	35.05	74.00	-38.95	peak
2	4859.000	38.85	0.31	39.16	74.00	-34.84	peak
3*	7426.000	35.53	8.27	43.80	74.00	-30.20	peak



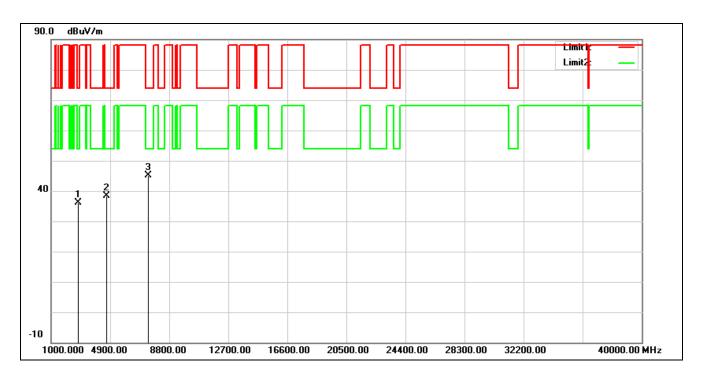
Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	Simultaneous Transmitting 3G(B5)+BT	+wifi 6E	
Remark:			



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2802.000	41.85	-5.27	36.58	74.00	-37.42	peak
2	4689.000	38.87	-0.21	38.66	74.00	-35.34	peak
3*	7579.000	35.66	8.42	44.08	74.00	-29.92	peak



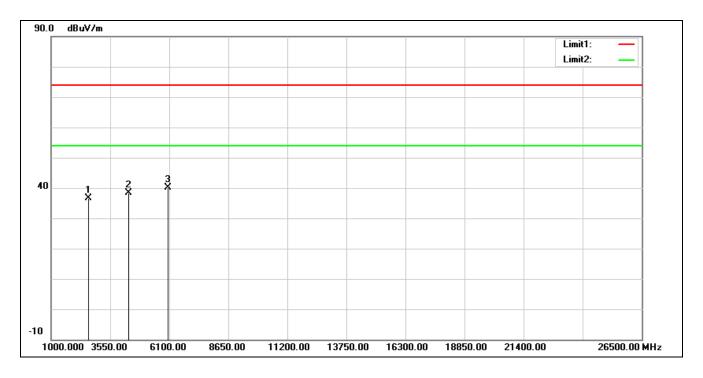
Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	Simultaneous Transmitting 3G(B5)+E	T+wifi 6E	
Remark:			



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2802.000	41.40	-5.27	36.13	74.00	-37.87	peak
2	4689.000	38.64	-0.21	38.43	74.00	-35.57	peak
3*	7426.000	36.96	8.27	45.23	74.00	-28.77	peak



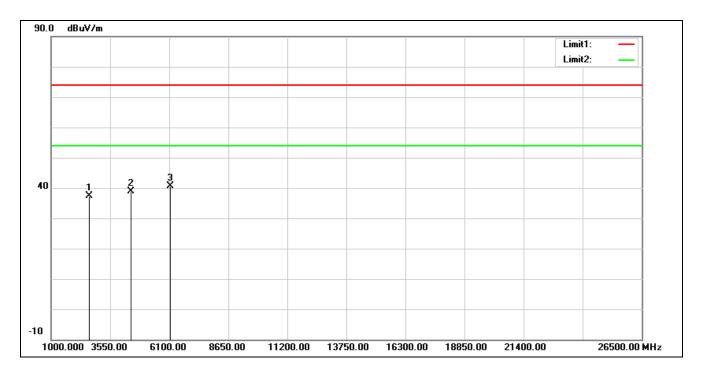
Standard:	Part 15.247	Test Site:	966 Chamber					
Polarization:	Horizontal							
Test Mode:	Simultaneous Transmitting 4G	Simultaneous Transmitting 4G(B41_CA 20+20)+BT+wifi 2.4G						
Remark:								



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2615.000	42.72	-6.05	36.67	74.00	-37.33	peak
2	4349.000	39.70	-1.28	38.42	74.00	-35.58	peak
3*	6049.000	36.97	3.24	40.21	74.00	-33.79	peak



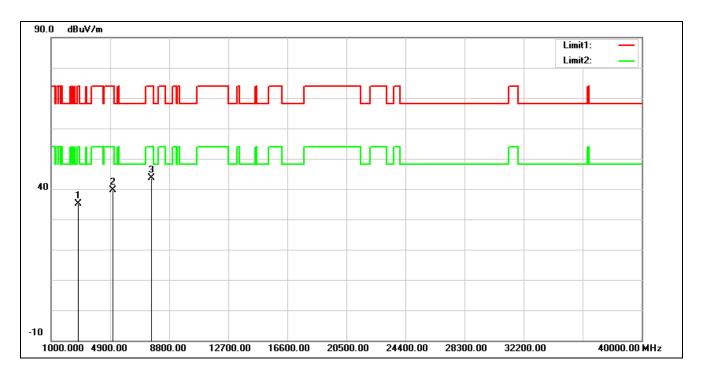
Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	Simultaneous Transmitting	g 4G(B41_CA 20+20)+BT+wifi 2.4G	
Remark:			



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2649.000	43.35	-5.94	37.41	74.00	-36.59	peak
2	4434.000	39.98	-1.18	38.80	74.00	-35.20	peak
3*	6151.000	36.94	3.81	40.75	74.00	-33.25	peak



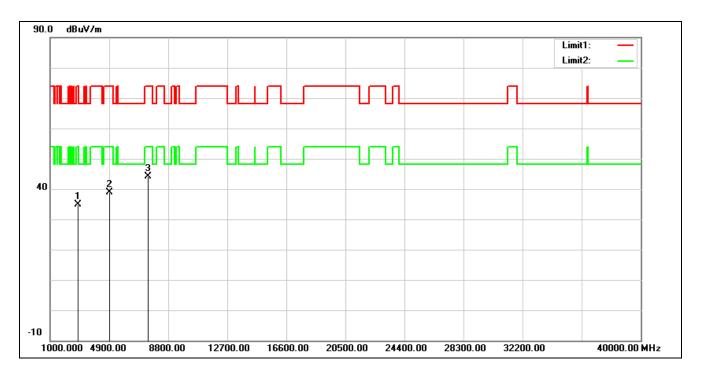
Standard:	Part 15.247	Test Site:	966 Chamber					
Polarization:	Horizontal							
Test Mode:	lode: Simultaneous Transmitting 4G(B41_CA 20+20)+BT+wifi 5G							
Remark:								



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2802.000	40.52	-5.27	35.25	74.00	-38.75	peak
2	5029.000	38.69	0.93	39.62	74.00	-34.38	peak
3*	7647.000	35.47	8.24	43.71	74.00	-30.29	peak



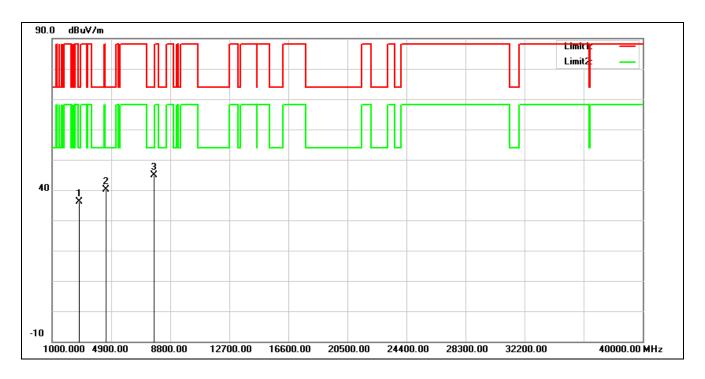
Standard:	Part 15.247	Test Site:	966 Chamber					
Polarization:	Vertical							
Test Mode:	Simultaneous Transmitting 4G(B	Simultaneous Transmitting 4G(B41_CA 20+20)+BT+wifi 5G						
Remark:								



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2853.000	40.19	-5.23	34.96	74.00	-39.04	peak
2	4910.000	38.49	0.47	38.96	74.00	-35.04	peak
3*	7477.000	35.61	8.41	44.02	74.00	-29.98	peak



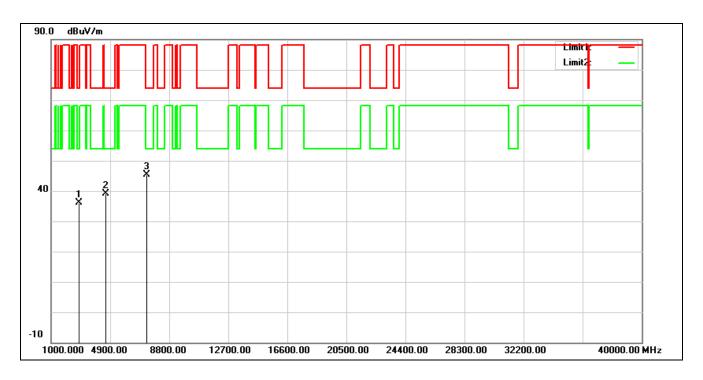
Standard:	Part 15.247	Test Site:	966 Chamber					
Polarization:	Horizontal							
Test Mode:	Simultaneous Transmitting 4G	Simultaneous Transmitting 4G(B41_CA 20+20)+BT+wifi 6E						
Remark:								



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2802.000	41.34	-5.27	36.07	74.00	-37.93	peak
2	4570.000	40.91	-0.68	40.23	74.00	-33.77	peak
3*	7715.000	36.77	8.07	44.84	74.00	-29.16	peak



Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	Simultaneous Transmitting 4G(B4	41_CA 20+20)+BT+wifi 6E	
Remark:			



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2853.000	41.28	-5.23	36.05	74.00	-37.95	peak
2	4621.000	39.57	-0.52	39.05	74.00	-34.95	peak
3*	7307.000	37.48	7.97	45.45	74.00	-28.55	peak



Band Edge

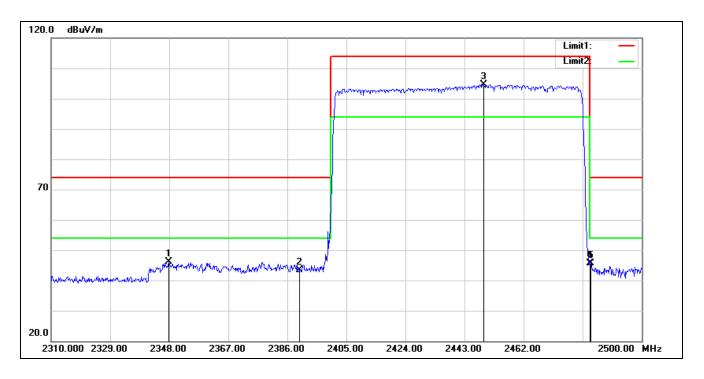
 Standard:
 Part 15.247
 Test Site:
 966 Chamber

 Polarization:
 Horizontal
 1
 1

 Test Mode:
 BT\_GFSK\_Hopping
 1
 1

 Remark:
 1
 1
 1
 1

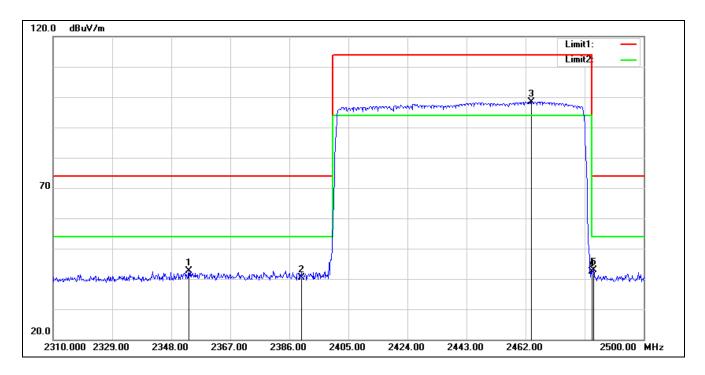
Peak



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2347.810	52.12	-6.00	46.12	74.00	-27.88	peak
2	2390.000	49.48	-6.19	43.29	74.00	-30.71	peak
3*	2449.270	110.97	-6.37	104.60	114.00	-9.40	peak
4	2483.500	52.07	-6.46	45.61	74.00	-28.39	peak
5	2483.660	52.07	-6.46	45.61	74.00	-28.39	peak



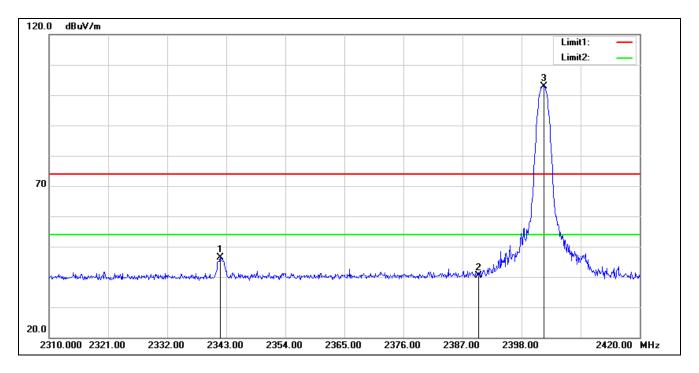
Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_GFSK _Hopping		
Remark:			



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2353.700	48.61	-6.02	42.59	74.00	-31.41	peak
2	2390.000	46.54	-6.19	40.35	74.00	-33.65	peak
3*	2463.900	104.89	-6.42	98.47	114.00	-15.53	peak
4	2483.500	48.82	-6.46	42.36	74.00	-31.64	peak
5	2483.850	49.45	-6.47	42.98	74.00	-31.02	peak



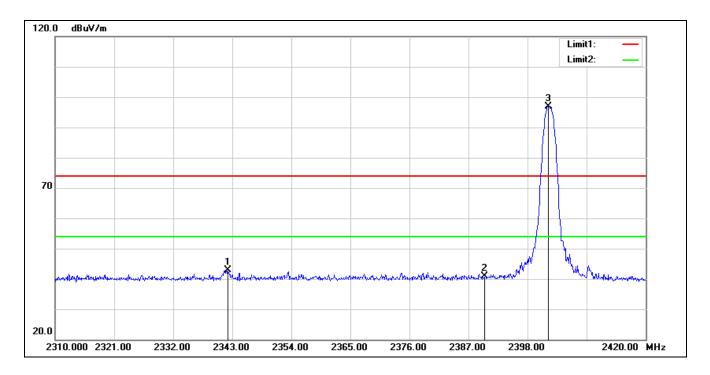
Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_GFSK 2402MHz		
Remark:			



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2341.900	52.45	-6.03	46.42	74.00	-27.58	peak
2	2390.000	46.53	-6.19	40.34	74.00	-33.66	peak
3*	2402.180	109.13	-6.25	102.88	74.00	28.88	peak



Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_GFSK 2402MHz		
Remark:			



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2342.120	48.83	-6.03	42.80	74.00	-31.20	peak
2	2390.000	47.12	-6.19	40.93	74.00	-33.07	peak
3*	2401.850	103.17	-6.25	96.92	74.00	22.92	peak



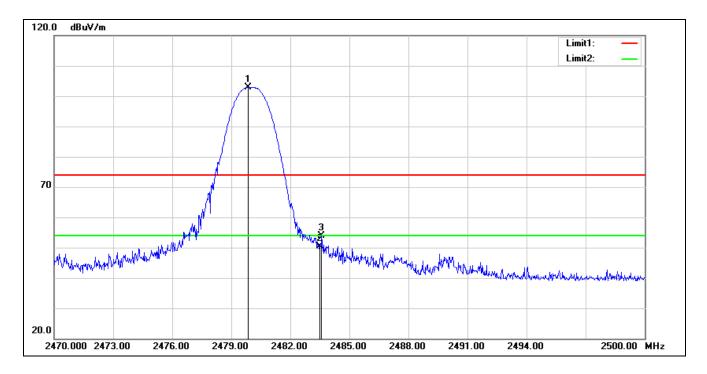
歐陸電子通訊檢測股份有限公司 Eurofins E&E Wireless Taiwan Co., Ltd.

 Standard:
 Part 15.247
 Test Site:
 966 Chamber

 Polarization:
 Horizontal
 1
 1
 1

 Test Mode:
 BT\_GFSK 2480MHz
 1
 1
 1

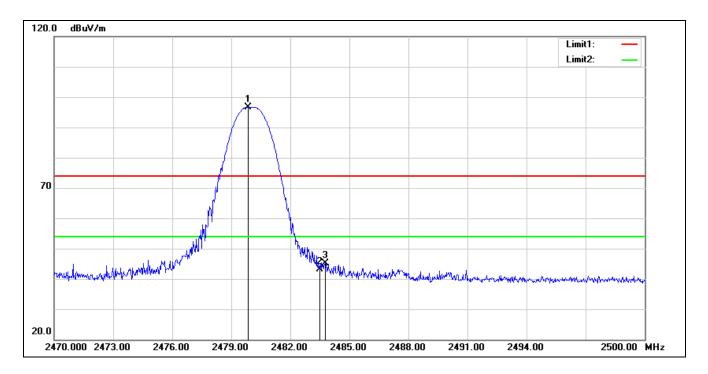
 Remark:
 1
 1
 1
 1
 1



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1*	2479.840	109.31	-6.46	102.85	74.00	28.85	peak
2	2483.500	56.91	-6.46	50.45	74.00	-23.55	peak
3	2483.590	60.28	-6.46	53.82	74.00	-20.18	peak



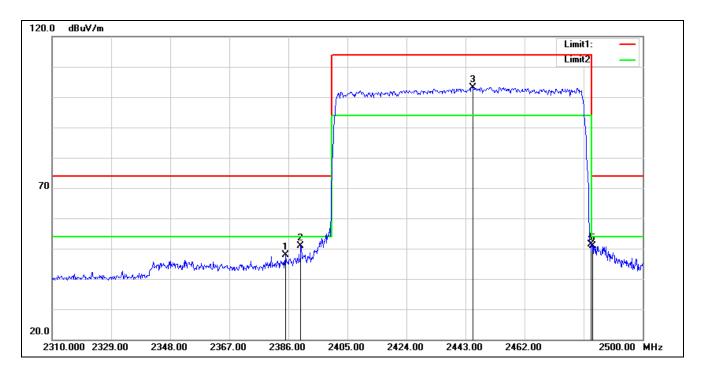




No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1*	2479.840	103.16	-6.46	96.70	74.00	22.70	peak
2	2483.500	49.66	-6.46	43.20	74.00	-30.80	peak
3	2483.770	51.67	-6.47	45.20	74.00	-28.80	peak



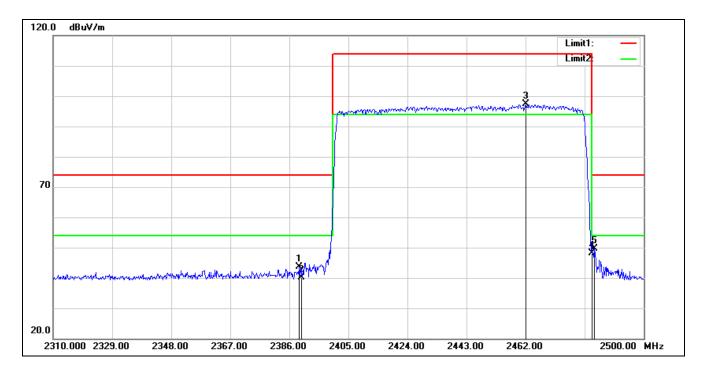
Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_8DPSK _Hopping		
Remark:			



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2385.050	54.06	-6.16	47.90	74.00	-26.10	peak
2	2390.000	57.07	-6.19	50.88	74.00	-23.12	peak
3*	2445.280	109.54	-6.35	103.19	114.00	-10.81	peak
4	2483.500	57.83	-6.46	51.37	74.00	-22.63	peak
5	2483.850	57.47	-6.47	51.00	74.00	-23.00	peak



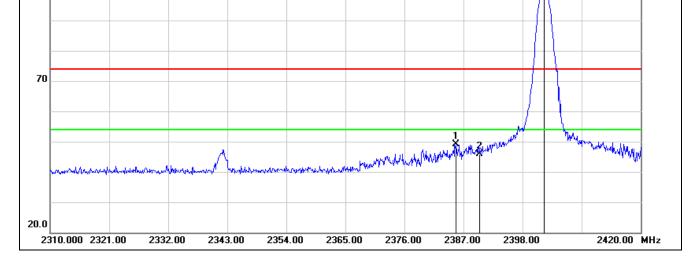




No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2389.230	49.77	-6.19	43.58	74.00	-30.42	peak
2	2390.000	46.22	-6.19	40.03	74.00	-33.97	peak
3*	2462.000	103.84	-6.41	97.43	114.00	-16.57	peak
4	2483.500	54.53	-6.46	48.07	74.00	-25.93	peak
5	2484.230	56.10	-6.47	49.63	74.00	-24.37	peak



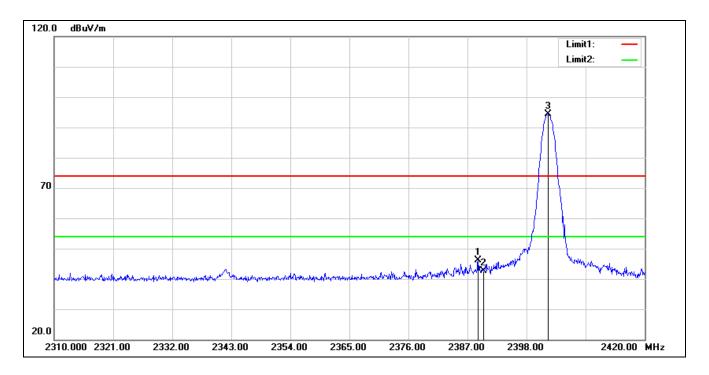
Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_8DPSK 2402MHz		
Remark:			
120.0 dBu∀/m			
			Limit1: —
			Limit2: —
			3



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2385.570	55.35	-6.16	49.19	74.00	-24.81	peak
2	2390.000	52.01	-6.19	45.82	74.00	-28.18	peak
3*	2402.070	107.17	-6.25	100.92	74.00	26.92	peak



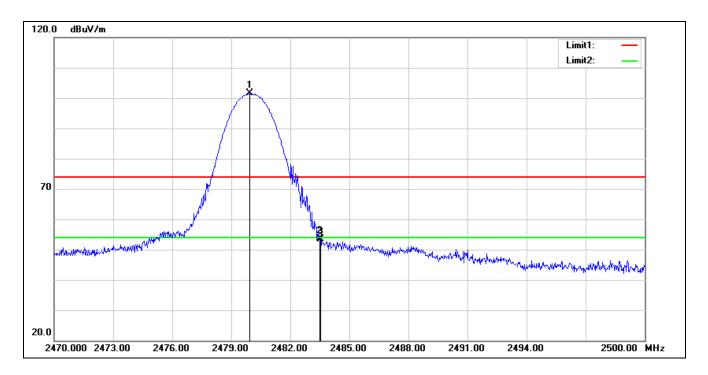
Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_8DPSK 2402MHz		
Remark:			



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2388.980	52.23	-6.18	46.05	74.00	-27.95	peak
2	2390.000	48.83	-6.19	42.64	74.00	-31.36	peak
3*	2401.960	100.67	-6.25	94.42	74.00	20.42	peak



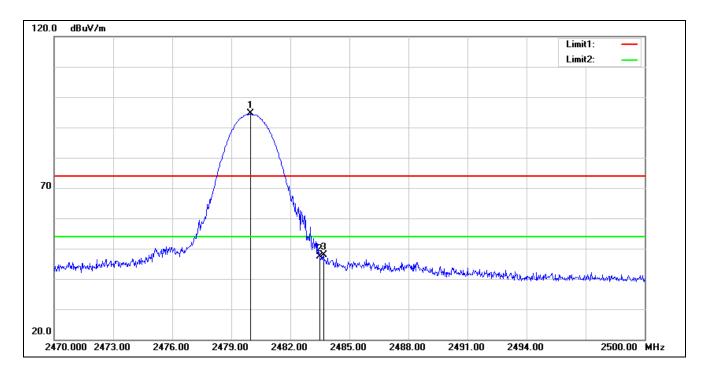
Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_8DPSK 2480MHz		
Remark:			



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1*	2479.930	108.01	-6.46	101.55	74.00	27.55	peak
2	2483.500	60.13	-6.46	53.67	74.00	-20.33	peak
3	2483.530	59.85	-6.46	53.39	74.00	-20.61	peak







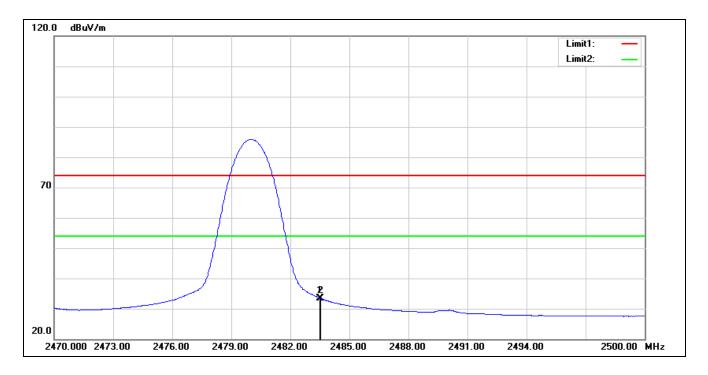
No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1*	2479.990	100.97	-6.46	94.51	74.00	20.51	peak
2	2483.500	53.95	-6.46	47.49	74.00	-26.51	peak
3	2483.680	54.45	-6.46	47.99	74.00	-26.01	peak



Eurofins E&E Wireless Taiwan Co., Ltd.

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Average
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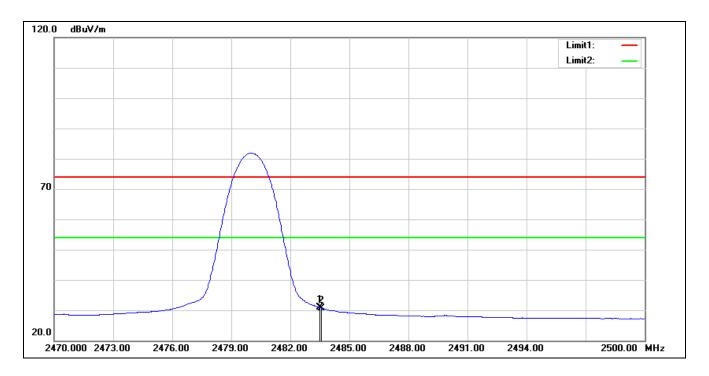
Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_GFSK 2480MHz		
Remark:			



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1*	2483.500	39.92	-6.46	33.46	54.00	-20.54	AVG
2	2483.530	39.88	-6.46	33.42	54.00	-20.58	AVG



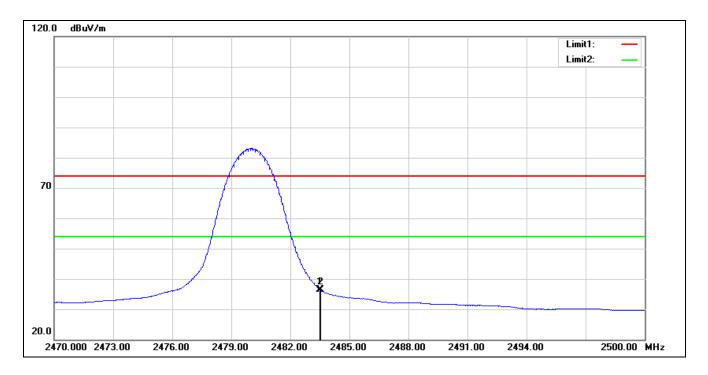
Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_GFSK 2480MHz		
Remark:			



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1*	2483.500	37.25	-6.46	30.79	54.00	-23.21	AVG
2	2483.590	37.15	-6.46	30.69	54.00	-23.31	AVG



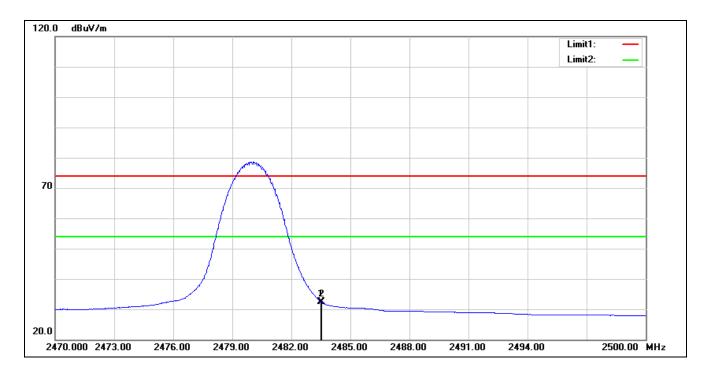
Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	BT_8DPSK 2480MHz		
Remark:			



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.500	42.79	-6.46	36.33	54.00	-17.67	AVG
2*	2483.530	42.86	-6.46	36.40	54.00	-17.60	AVG



Standard:	Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	BT_8DPSK 2480MHz		
Remark:			



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1*	2483.500	38.94	-6.46	32.48	54.00	-21.52	AVG
2	2483.530	38.75	-6.46	32.29	54.00	-21.71	AVG

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