

## ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT

### CLASS II PC REPORT

OF

**Applicant:** Acer Incorporated  
8F,88, Sec. 1, Hsin Tai Wu Rd. Hsichih, Taipei Hsien Taiwan

**Product Name:** 7c Modular Platform

**Brand Name:** 

**Model No.:** QSIP7180

**Model Difference:** N/A

**Report Number:** E2/2020/B0009

**FCC ID** HLZQSIP7180Q

**FCC Rule Part:** §15.247, Cat: DTS

**Issue Date:** December 22, 2020

**Date of Test:** November 12, 2020 - December 16, 2020

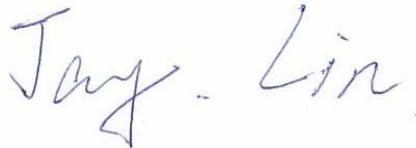
**Date of EUT Received:** November 12, 2020

**We hereby certify that:**

The above equipment was tested by SGS Taiwan Ltd. Central RF Lab. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10:2013 and the energy emitted by the sample EUT tested as described in this report is in compliance with conducted and radiated emission limits.

The test results of this report relate only to the tested sample identified in this report.

**Approved By:**



Jay Lin / Asst. Supervisor



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## Revision History

Report Number	Revision	Description	Issue Date	Remark
E2/2020/B0009	Rev.00	Original.	December 22, 2020	Revised By: Tiffany Kao

**Note:****1、Disclaimer**

Antenna information is provided by the applicant, test results of this report are applicable to the sample EUT received.

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## 1 GENERAL INFORMATION

### 1.1 Product description

Product Name:	Notebook Computer
Brand Name:	
Model No. of Host:	N20Q4
Model Difference:	N/A
Hardware Version:	N/A
Software Version:	N/A
Model No. of BT/WLAN Module:	QSIP7180
Class II Permissive change:	7c Modular Platform INSTALLED IN Notebook Computer
Power Supply:	7.7Vdc from Rechargeable Li-ion Battery or 5 / 9 / 12 / 15 / 20 Vdc from AC/DC Adapter

Wi-Fi 802.11	Frequency Range	Channels	Rated Power (Peak)	Modulation Technology
b	2412-2462	11	21.32 dBm	DSSS
g			21.26 dBm	
n_HT20 / ac_VHT20			20.92 dBm	
n_HT40 / ac_VHT40	2422-2452	7	19.70 dBm	OFDM
Modulation type:	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM			
Transistion Rate	802.11 b: 1/2/5.5/11 Mbps 802.11 g: 6/9/12/18/24/36/48/54 Mbps 802.11 n_20MHz: 6.5 – 144.4Mbps 802.11 n_40MHz: 13.5 – 300.0Mbps			

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## 1.2 Antenna Designation

Antenna Type	Supplier	Mode	Main / Aux	Antenna Part No.	Freq.	Peak Antenna Gain (dBi)	Worst Antenna Gain
PIFA	WNC	NB Mode	Main	N/A	2.4GHz	1.32	V
			Aux		2.4GHz	-1.74	
		Tablet Mode	Main	N/A	2.4GHz	0.68	
			Aux		2.4GHz	-0.05	

Note: Pre-scanned was done on the above 2 antennas, the NB mode results higher emission at 2.4GHz. Therefore, the completed set of measurement was done on the antenna to be presented on this test report.

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### 1.3 Test Methodology of Applied Standards

FCC Part 15, Subpart C §15.247

FCC KDB 558074 D01 DTS Meas. Guidance v05r02

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

ANSI C63.10:2013

### 1.4 Test Facility

SGS Taiwan Ltd. Central RF Lab (TAF code 3702)

No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333

FCC Designation number: TW0028

### 1.5 Special Accessories

There are no special accessories used while test was conducted.

### 1.6 Equipment Modifications

There was no modification incorporated into the EUT.

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## 2 SYSTEM TEST CONFIGURATION

### 2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

### 2.2 EUT Exercise

An engineering test mode (software/firmware) that applicant provided was utilized to manipulate the EUT into transmit, selection of the test channel, and modulation scheme.

### 2.3 Test Procedure

#### 2.3.1 Conducted Test (RF)

The active antenna port of the unlicensed wireless device is connected to the spectrum analyzer with attenuator to protect the instrumentation. If a second antenna port is available, it is tested at one operating frequency, with other port(s) appropriately terminated, to verify it has similar output characteristics as the fully tested port.

#### 2.3.2 Radiated Emissions

The EUT is placed on a turn table. For emissions testing at or below 1 GHz, the table height shall be 0.8 m above the reference ground plane. For emission measurements above 1 GHz, the table height shall be 1.5 m. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the relative positions of this transmitter (EUT) was rotated through three orthogonal axes and measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna.

### 2.4 Measurement Results Explanation Example

#### 2.4.1 Radiated Emission Test Sites For Measurements From 9 kHz To 30 MHz

Radiated emission below 30MHz is measured in a 9m\*9m\*6m semi-anechoic chamber, the measurements correspond to those obtained at an open-field test site.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

#### 2.4.2 For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuation factor between EUT conducted port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly EUT RF output level.

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## 2.5 Configuration of Tested System

Fig. 2-1 Radiated Emission



Fig. 2-2 Conducted (Antenna Port)



Table 2-1 Equipment Used in Tested System

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Data Cable	Power Cord
1	WLAN Test Software	N/A	N/A	N/A	N/A	N/A

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### 3 SUMMARY OF TEST RESULTS

FCC Rules	Description Of Test	Result
§15.247(b) (3)	Peak Output Power	Compliant
§15.247(d) §15.209	Radiated Band Edge & Radiated Spurious Emission	Compliant

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## 4 DESCRIPTION OF TEST MODES

### 4.1 Operated in 2400 ~ 2483.5MHz Band

11 channels are provided for 802.11b/g/n 20M.

CHANNEL	FREQUENCY (MHz)
1	2412
2	2417
3	2422
4	2427
5	2432
6	2437
7	2442
8	2447
9	2452
10	2457
11	2462
12	2467
13	2472

9 channels are provided for 802.11n 40M

CHANNEL	FREQUENCY (MHz)
3	2422
4	2427
5	2432
6	2437
7	2442
8	2447
9	2452
10	2457
11	2462

### 4.2 The Worst Test Modes and Channel Details

1. The EUT has been tested under operating condition.
2. aTest program used to control the EUT for staying in continuous transmitting and receiving mode is programmed.
3. Investigation has been done on all the possible configurations for searching the worst case.

The given UE is pre-scanned among below modes.

Modulation	Transmission Chain				Multiple Transmission Spatial
<input checked="" type="checkbox"/> 802.11 b	<input checked="" type="checkbox"/> Ch0	<input checked="" type="checkbox"/> Ch1	<input type="checkbox"/> Ch2	<input type="checkbox"/> Ch3	<input checked="" type="checkbox"/> 2TX
<input checked="" type="checkbox"/> 802.11 g	<input checked="" type="checkbox"/> Ch0	<input checked="" type="checkbox"/> Ch1	<input type="checkbox"/> Ch2	<input type="checkbox"/> Ch3	<input checked="" type="checkbox"/> 2TX
<input checked="" type="checkbox"/> 802.11 n	<input checked="" type="checkbox"/> Ch0	<input checked="" type="checkbox"/> Ch1	<input type="checkbox"/> Ch2	<input type="checkbox"/> Ch3	<input checked="" type="checkbox"/> MIMO

4. Therefore, below summary is the modes of test configuration that yield the highest reading and generate the highest emission chosen to carry out the relevantly mandatory test items.

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#### 4.3 Radiated Emission Test:

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	ANTENNA PORT
<b>RADIATED EMISSION TEST (ABOVE 1 GHz)</b>					
802.11b	1 to 13	1,6,11,12,13	DSSS	1	2TX
802.11g	1 to 13	1,6,11,12,13	OFDM	6	2TX
802.11n 20M	1 to 13	1,6,11,12,13	OFDM	MCS8	MIMO
802.11n 40M	3 to 11	3,6,9,10,11	OFDM	MCS8	MIMO

**Note:**  
 The field strength of radiation emission was measured as NB and E1 Plane.

#### 4.4 Antenna Port Conducted Mesurement:

<b>CONDUCTED TEST</b>					
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	ANTENNA PORT
802.11b	1 to 13	1,6,11,12,13	DSSS	1	2TX
802.11g	1 to 13	1,6,11,12,13	OFDM	6	2TX
802.11n 20M	1 to 13	1,6,11,12,13	OFDM	MCS8	MIMO
802.11n 40M	3 to 11	3,6,9,10,11	OFDM	MCS8	MIMO

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## 5 MEASUREMENT UNCERTAINTY

Test Items	Uncertainty
Peak Output Power	+/- 0.84 dB
Temperature	+/- 0.65 °C
Humidity	+/- 4.6 %
DC / AC Power Source	DC= +/- 0.13%, AC= +/- 0.2%

Radiated Spurious Emission Measurement Uncertainty	
<b>Polarization: Vertical</b>	9kHz~30MHz: +/- 2.3dB
	30MHz - 180MHz: +/- 3.37dB
	180MHz - 417MHz: +/- 3.19dB
	0.417GHz-1GHz: +/- 3.19dB
	1GHz - 18GHz: +/- 4.04dB
	18GHz - 40GHz: +/- 4.04dB
<b>Polarization: Horizontal</b>	9kHz~30MHz: +/- 2.3dB
	30MHz - 167MHz: +/- 4.22dB
	167MHz - 500MHz: +/- 3.44dB
	0.5GHz-1GHz: +/- 3.39dB
	1GHz - 18GHz: +/- 4.08dB
	18GHz - 40GHz: +/- 4.08dB

**Note:**

1. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.
2. The conformity assessment statement in this report is based solely on the test results, measurement uncertainty is excluded.

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## 6 PEAK OUTPUT POWER MEASUREMENT

### 6.1 Standard Applicable

For systems using digital modulation in the 2400-2483.5 MHz bands, the limit for peak output power is 1Watt.

If the transmitting antenna of directional gain greater than 6dBi are used the peak output power form the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the Antenna exceeds 6dBi.

In case of point-to-point operation, the limit has to be reduced by 1dB for every 3dB that the directional gain of Antenna exceeds 6dBi.

#### Note:

As per section F. 2). e). (ii) of FCC KDB 662911 D01

If antenna gains are not equal and each transmit antenna is driven by only one spatial stream, directional gain may be calculated by either of the following formulas.

$$\bullet \quad \text{DirectionalGain} = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

NSS = the number of independent spatial streams of data;

NANT = the total number of antennas

$g_{j,k}$  = / 20 10Gk if the kth antenna is being fed by spatial stream j, or zero if it is not;

$G_k$  is the gain in dBi of the kth antenna.

The antenna gain is not grater than 6 dBi. Therefore, reduction of power is not required.

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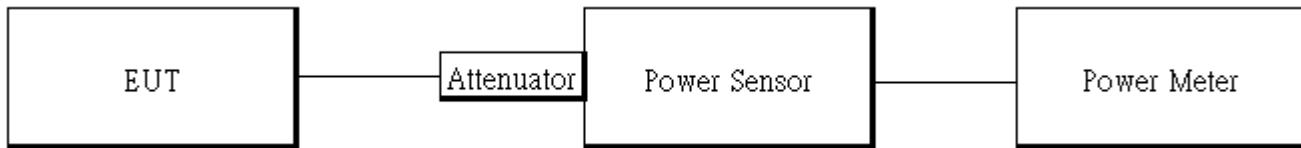
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## 6.2 Measurement Equipment Used

Conducted Emission Test Site					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Power Meter	Anritsu	ML2496A	1804002	04/06/2020	04/05/2021
Power Sensor	Anritsu	MA2411B	1726105	04/06/2020	04/05/2021
Power Sensor	Anritsu	MA2411B	1726106	04/06/2020	04/05/2021
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY57120290	02/20/2020	02/19/2021
Attenuator	Marvelous	MVE2213-10	RF31	11/20/2019	11/19/2020
DC Block	PASTER-NACK	PE8210	RF81	11/20/2019	11/19/2020

## 6.3 Test Set-up



## 6.4 Measurement Procedure

1. Place the EUT on the table and set it in transmitting mode.
2. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance .
3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the power meter.

### Power Meter:

It is used as the auxiliary test equipment to conduct the output power measurement.

4. Record the max. Reading as observed from Spectrum or Power Meter.

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## 6.5 Measurement Result:

### NB Mode

802.11b_2TX							
CH	Freq. (MHz)	Data Rate	Avg. Output Power (dBm)		Max. Avg. Output include tune up tolerance Power (dBm)	Limit (dBm)	RESULT
			CH 0	CH 1			
1	2412	1	18.78	17.71	21.32	30.00	PASS
6	2437	1	14.28	14.32	17.35	30.00	PASS
11	2462	1	16.75	15.97	19.42	30.00	PASS

802.11g_2TX							
CH	Freq. (MHz)	Data Rate	Avg. Output Power (dBm)		Max. Avg. Output include tune up tolerance Power (dBm)	Limit (dBm)	RESULT
			CH 0	CH 1			
1	2412	6	16.53	15.84	19.29	30.00	PASS
6	2437	6	18.86	17.34	21.26	30.00	PASS
11	2462	6	15.56	14.77	18.28	30.00	PASS

802.11n_HT20M MIMO							
CH	Freq. (MHz)	Data Rate	Avg. Output Power (dBm)		Max. Avg. Output include tune up tolerance Power (dBm)	Limit (dBm)	RESULT
			CH 0	CH 1			
1	2412	MCS8	15.19	14.73	18.07	30.00	PASS
6	2437	MCS8	18.46	17.08	20.92	30.00	PASS
11	2462	MCS8	15.39	14.66	18.14	30.00	PASS

802.11n_HT40M MIMO							
CH	Freq. (MHz)	Data Rate	Avg. Output Power (dBm)		Max. Avg. Output include tune up tolerance Power (dBm)	Limit (dBm)	RESULT
			CH 0	CH 1			
3	2422	MCS8	14.67	13.39	17.30	30.00	PASS
6	2437	MCS8	16.97	15.91	19.70	30.00	PASS
9	2452	MCS8	13.67	12.72	16.45	30.00	PASS

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## Tablet Mode

802.11b_2TX							
CH	Freq. (MHz)	Data Rate	Avg. Output Power (dBm)		Max. Avg. Output include tune up tolerance Power (dBm)	Limit (dBm)	RESULT
			CH 0	CH 1			
1	2412	1	18.78	17.71	21.32	30.00	PASS
6	2437	1	14.56	14.98	17.82	30.00	PASS
11	2462	1	16.75	15.97	19.42	30.00	PASS

802.11g_2TX							
CH	Freq. (MHz)	Data Rate	Avg. Output Power (dBm)		Max. Avg. Output include tune up tolerance Power (dBm)	Limit (dBm)	RESULT
			CH 0	CH 1			
1	2412	6	16.53	15.84	19.29	30.00	PASS
6	2437	6	18.86	17.34	21.26	30.00	PASS
11	2462	6	15.56	14.77	18.28	30.00	PASS

802.11n_HT20M MIMO							
CH	Freq. (MHz)	Data Rate	Avg. Output Power (dBm)		Max. Avg. Output include tune up tolerance Power (dBm)	Limit (dBm)	RESULT
			CH 0	CH 1			
1	2412	MCS8	15.19	14.73	18.07	30.00	PASS
6	2437	MCS8	18.46	17.08	20.92	30.00	PASS
11	2462	MCS8	15.39	14.66	18.14	30.00	PASS

802.11n_HT40M MIMO							
CH	Freq. (MHz)	Data Rate	Avg. Output Power (dBm)		Max. Avg. Output include tune up tolerance Power (dBm)	Limit (dBm)	RESULT
			CH 0	CH 1			
3	2422	MCS8	14.67	13.39	17.30	30.00	PASS
6	2437	MCS8	16.97	15.91	19.70	30.00	PASS
9	2452	MCS8	13.67	12.72	16.45	30.00	PASS

**\* Note: The duty cycle factor is compensated to obtain the maximum value of measurement in average.**

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## 7 RADIATED BANDEDGE AND SPURIOUS EMISSION MEASUREMENT

### 7.1 Standard Applicable

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, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. In addition, radiated emissions which fall in the restricted bands must also comply with the §15.209 and RSS-Gen §8.9 Table 5 and 6 limit as below. And according to §15.33(a) (1) & RSS-Gen §6.13.2.a for an intentional radiator operates below 10GHz, the frequency range of measurements: to the tenth harmonic of the highest fundamental frequency or to 40GHz, whichever is lower.

Frequency (MHz)	Field strength (microvolts/meter)	Distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

**Note:**

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dB $\mu$ V/m) = 20 log Emission level (dB $\mu$ V/m)

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## 7.2 Measurement Equipment Used:

966 Chamber					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Broadband Antenna	TESEQ	CBL 6112D	35240	09/08/2020	09/07/2021
Horn Antenna	Schwarzbeck	BBHA9170	184	12/25/2019	12/24/2020
Horn Antenna	Schwarzbeck	BBHA9120D	1187	01/10/2020	01/09/2021
Loop Antenna	ETS.LINDGREN	6502	143303	04/28/2020	04/27/2021
EMI Test Receiver	R&S	ESU 40	100363	04/29/2020	04/28/2021
Pre-Amplifier	EMC Instruments	EMC330	980096	11/20/2019	11/19/2020
Pre-Amplifier	EMC Instruments	EMC0011830	980199	11/20/2019	11/19/2020
Pre-Amplifier	EMC Instruments	EMC184045B	980135	11/20/2019	11/19/2020
Attenuator	Woken	WATT-218FS-10	RF25	11/20/2019	11/19/2020
Coaxial Cable	Huber Suhner	SUCOFLEX 104	MY17388/4	11/20/2019	11/19/2020
Coaxial Cable	Huber Suhner	RG 214/U	W22.03	11/20/2019	11/19/2020

Note: The measurement was taken place with the long duration of the time, and additional equipment list as shown above indicate those equipment of which has been subject to undertake the calibration in intermediate period of time of the measurement.

966 Chamber					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Pre-Amplifier	EMC Instruments	EMC330	980096	11/19/2020	11/18/2021
Pre-Amplifier	EMC Instruments	EMC0011830	980199	11/19/2020	11/18/2021
Pre-Amplifier	EMC Instruments	EMC184045B	980135	10/27/2020	10/26/2021
Attenuator	Marvelous	WATT-218FS-10	RF20	11/19/2020	11/18/2021
Band Rejection Filter	Micro-Tronics	G015	RF198	11/19/2020	11/18/2021
Band Rejection Filter	Micro-Tronics	G016	RF199	11/19/2020	11/18/2021
Band Rejection Filter	Micro-Tronics	G021	RF200	11/19/2020	11/18/2021
Coaxial Cable	Huber Suhner	SUCOFLEX 104	MY17388/4	11/19/2020	11/18/2021
Coaxial Cable	Huber Suhner	RG 214/U	W22.03	11/19/2020	11/18/2021

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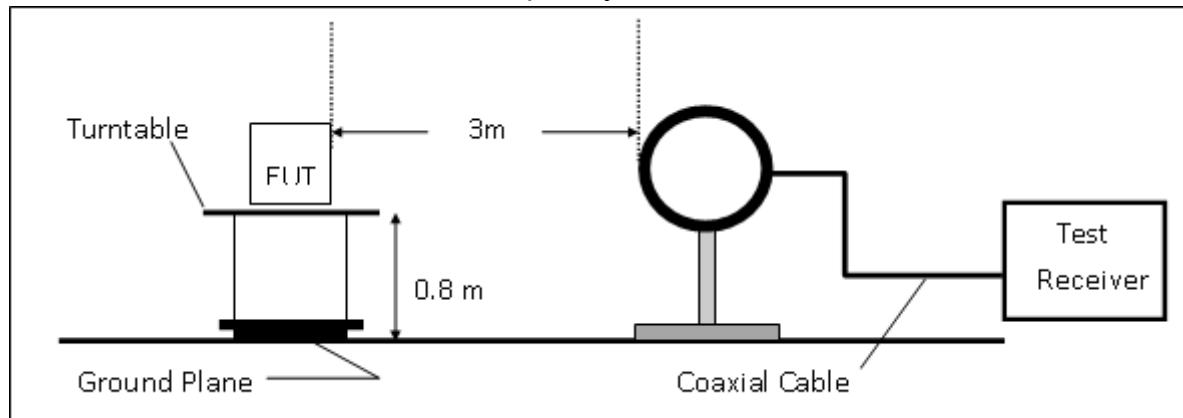
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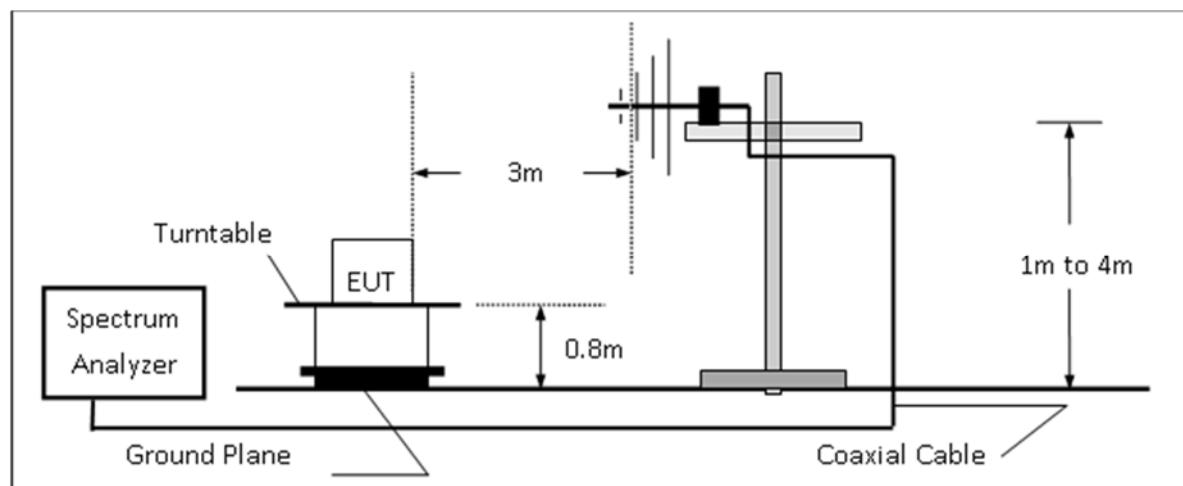
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### 7.3 Test SET-UP

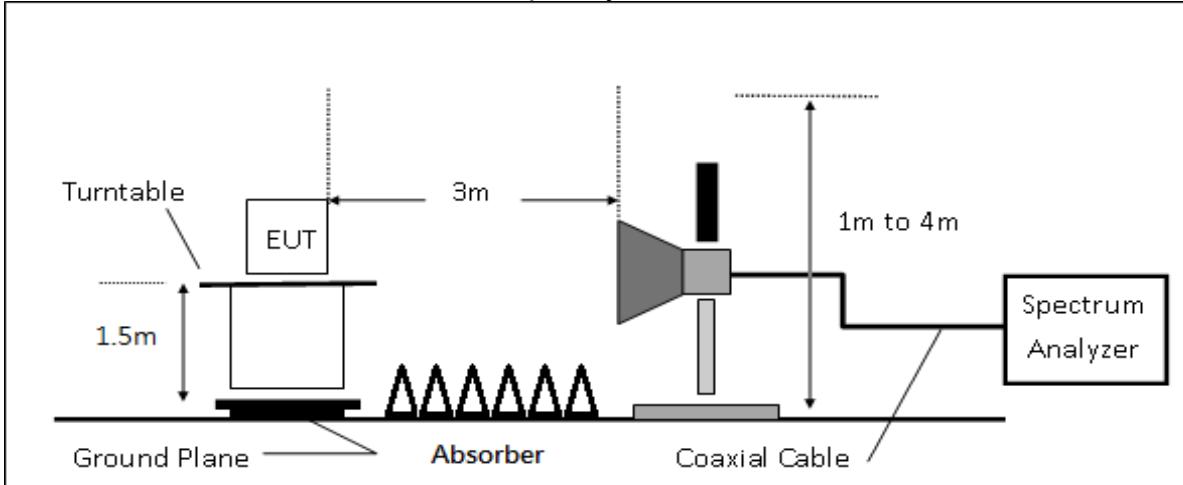
#### (A) Radiated Emission Test Set-UP Frequency Below 30MHz.



#### (B) Radiated Emission Test Set-Up, Frequency from 30MHz to 1000MHz



#### (C) Radiated Emission Test Set-UP Frequency Over 1 GHz



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## 7.4 Measurement Procedure

1. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance .
2. The EUT was placed on a turn table with 0.8m for frequency< 1GHz and 1.5m for frequency> 1GHz above ground plane.
3. The turn table shall rotate 360 degrees to determine the position of maximum emission level.
4. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
5. When measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made “while keeping the antenna in the ‘cone of radiation’ from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response.” is still within the 3dB illumination BW of the measurement antenna.
6. Set the spectrum analyzer as RBW=120 kHz and VBW=300 kHz for Peak Detector (PK) and Quasi-peak (QP) at frequency below 1 GHz.
7. Set the spectrum analyzer as RBW=1 MHz, VBW=3 MHz for Peak Detector at frequency above 1 GHz.
8. Set the spectrum analyzer as RBW=1 MHz, VBW=10 Hz (Duty cycle > 98%) or VBW  $\geq$  1/T (Duty cycle < 98%) for Average Detector at frequency above 1 GHz.
9. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
10. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
11. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. On spectrum, change spectrum mode in linear display mode, and reduce VBW = 10Hz if average reading is measured.
12. Repeat above procedures until all default test channel measured were complete.

## 7.5 Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CL - AG$$

**Where**  $FS$  = Field Strength

$CL$  = Cable Attenuation Factor (Cable Loss)

$RA$  = Reading Amplitude

$AG$  = Amplifier Gain

$AF$  = Antenna Factor

The limit of the emission level is expressed in  $dB_{\mu}V/m$ , which converts  $20 \cdot \log(uV/m)$

Actual  $FS(dB_{\mu}V/m) = SPA$ . Reading level( $dB_{\mu}V$ ) + Factor( $dB$ )

Factor( $dB$ ) = Antenna Factor( $dB_{\mu}V/m$ ) + Cable Loss( $dB$ ) – Pre\_Amplifier Gain( $dB$ )

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## 7.6 Test Results of Radiated Spurious Emissions from 9 kHz to 30 MHz

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit per 15.31(o) & RSS-GEN §6.13.2 was not reported.

## 7.7 Measurement Result

### Note:

1. Refer to next page spectrum analyzer data chart and tabular data sheets.
2. Measurements are completed at peak and average level, the mark of average is the highest emission in restricted bands

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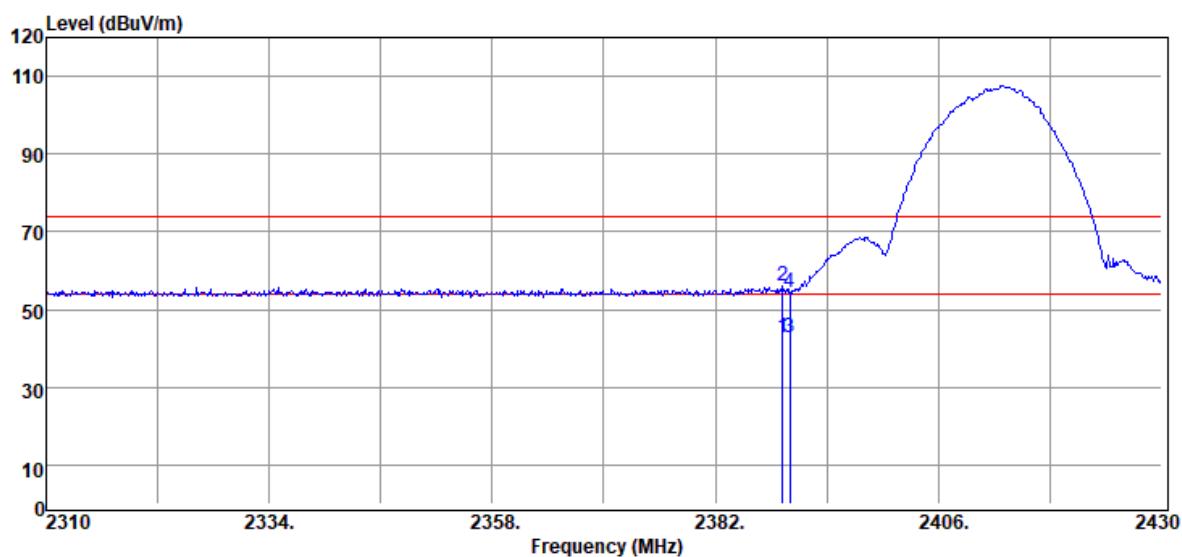
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### 7.7.1 Radiated Band Edge Measurement Result:

#### NB Mode

Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11b	Test Date	:2020-11-12
Test Frequency	:2412 MHz	Temp./Humi.	:22.8/62
Test Mode	:BE CH LOW	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plan	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual	Limit	Margin dB
				FS dB $\mu$ V/m	@3m dB $\mu$ V/m	
2389.20	Average	39.15	3.76	42.91	54.00	-11.09
2389.20	Peak	52.12	3.76	55.88	74.00	-18.12
2390.00	Average	38.82	3.76	42.58	54.00	-11.42
2390.00	Peak	50.81	3.76	54.57	74.00	-19.43

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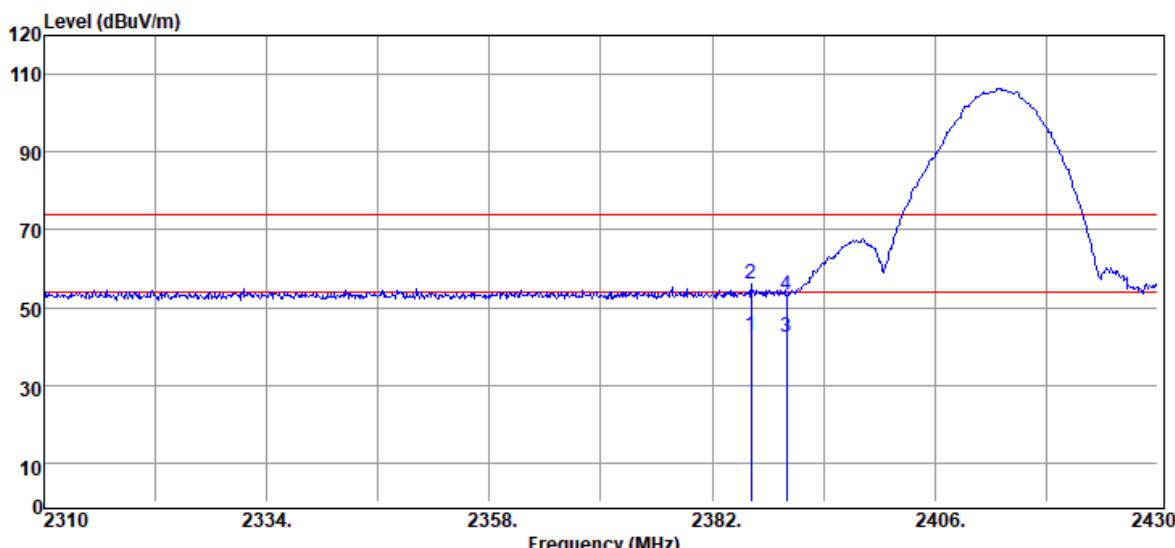
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11b	Test Date	:2020-11-12
Test Frequency	:2412 MHz	Temp./Humi.	:22.8/62
Test Mode	:BE CH LOW	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plan	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
					Factor dB	Margin dB
2386.20	Average	38.87	3.75	42.62	54.00	-11.38
2386.20	Peak	52.35	3.75	56.10	74.00	-17.90
2390.00	Average	38.57	3.76	42.33	54.00	-11.67
2390.00	Peak	49.48	3.76	53.24	74.00	-20.76

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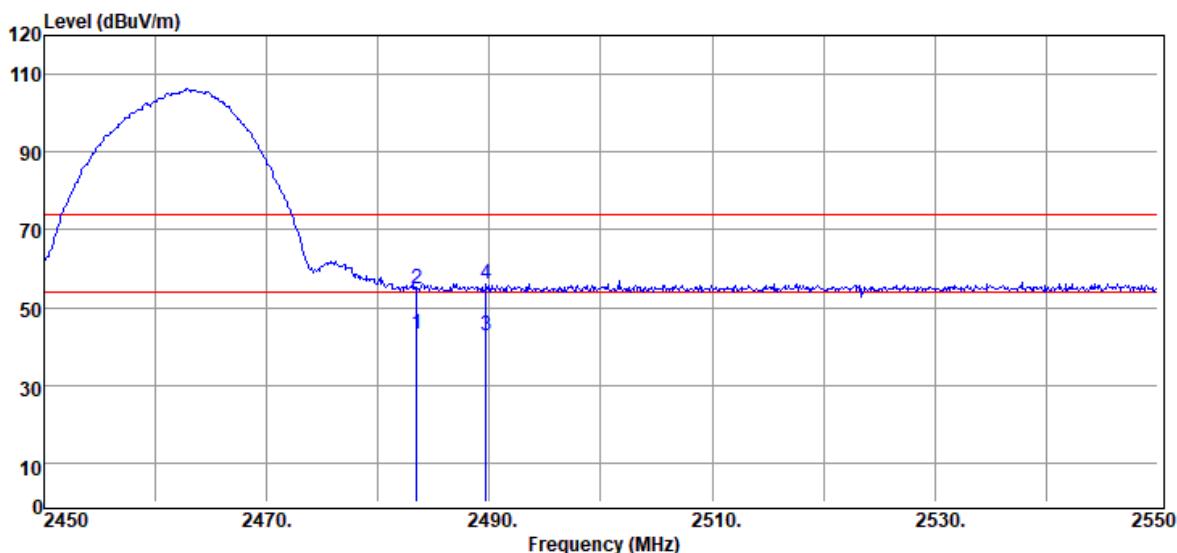
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11b	Test Date	:2020-11-12
Test Frequency	:2462 MHz	Temp./Humi.	:22.8/62
Test Mode	:BE CH HIGH	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plan	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual	Limit	Margin
				FS dB $\mu$ V/m	@3m dB $\mu$ V/m	dB
2483.50	Average	38.93	4.42	43.35	54.00	-10.65
2483.50	Peak	50.50	4.42	54.92	74.00	-19.08
2489.70	Average	38.31	4.49	42.80	54.00	-11.20
2489.70	Peak	51.68	4.49	56.17	74.00	-17.83

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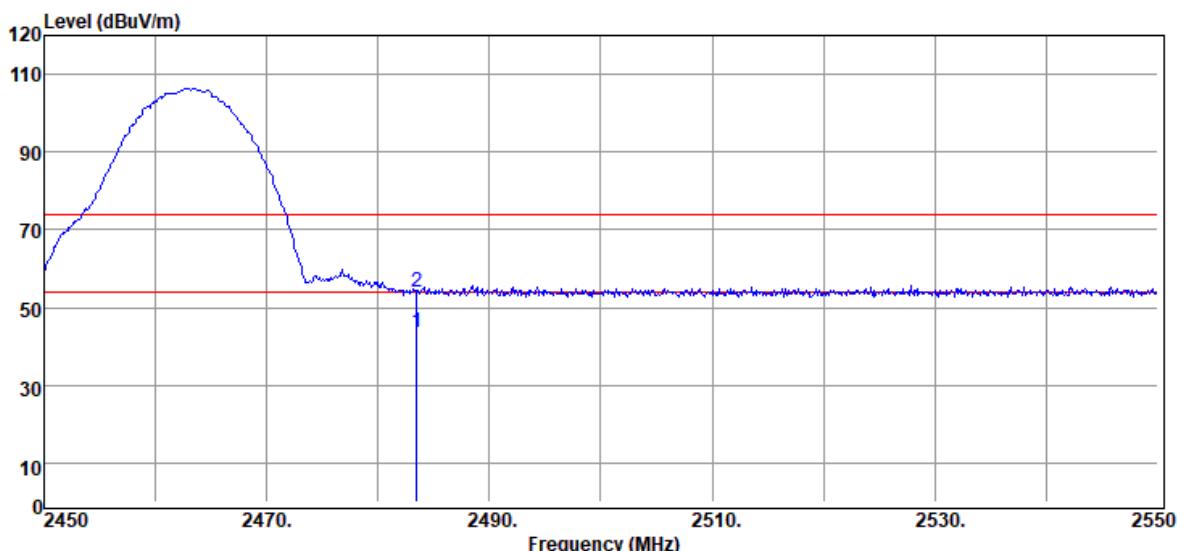
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11b	Test Date	:2020-11-12
Test Frequency	:2462 MHz	Temp./Humi.	:22.8/62
Test Mode	:BE CH HIGH	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plan	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
					dB $\mu$ V/m	dB
2483.50	Average	39.03	4.42	43.45	54.00	-10.55
2483.50	Peak	49.74	4.42	54.16	74.00	-19.84

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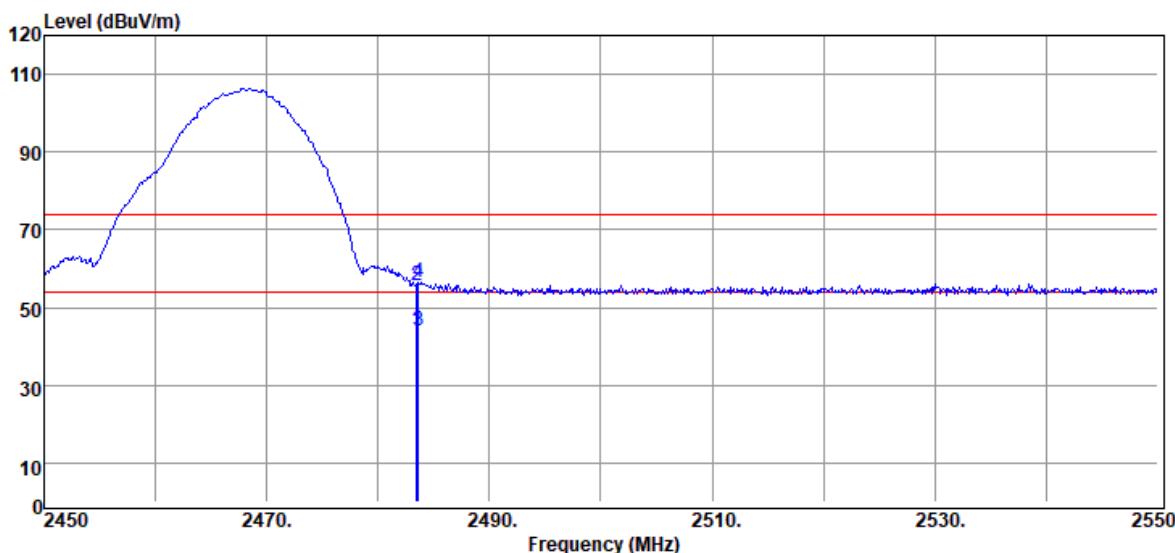
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11b	Test Date	:2020-11-12
Test Frequency	:2467 MHz	Temp./Humi.	:23.0/71
Test Mode	:BE CH 12	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plan	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual	Limit	Margin dB
				FS dB $\mu$ V/m	@3m dB $\mu$ V/m	
2483.50	Average	39.47	4.42	43.89	54.00	-10.11
2483.50	Peak	51.18	4.42	55.60	74.00	-18.40
2483.60	Average	39.48	4.43	43.91	54.00	-10.09
2483.60	Peak	52.12	4.43	56.55	74.00	-17.45

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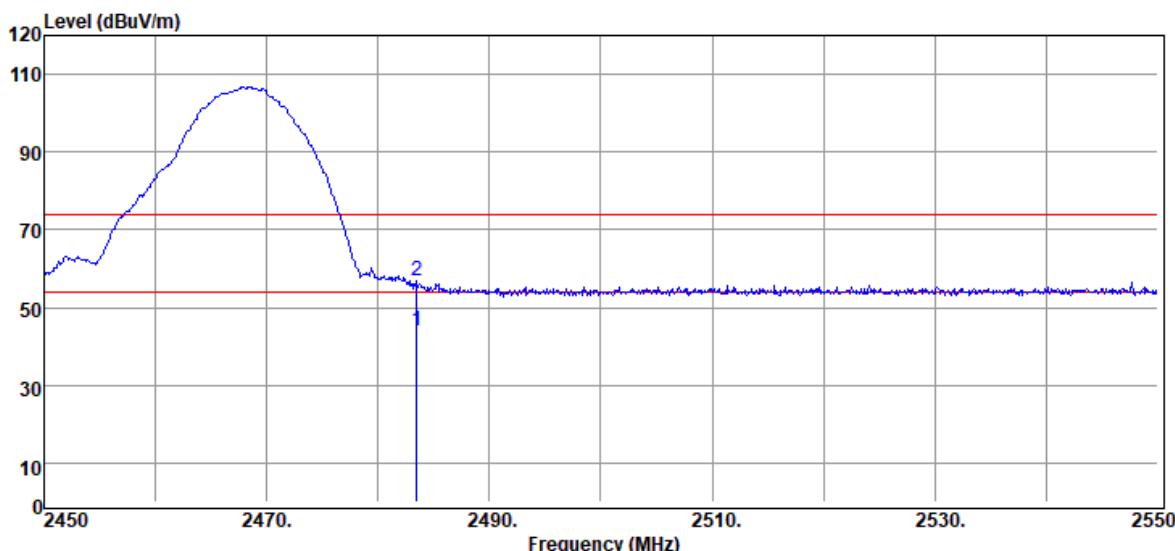
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11b	Test Date	:2020-11-12
Test Frequency	:2467 MHz	Temp./Humi.	:23.0/71
Test Mode	:BE CH 12	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plan	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin
					Factor dB	Margin dB
2483.50	Average	39.45	4.42	43.87	54.00	-10.13
2483.50	Peak	52.34	4.42	56.76	74.00	-17.24

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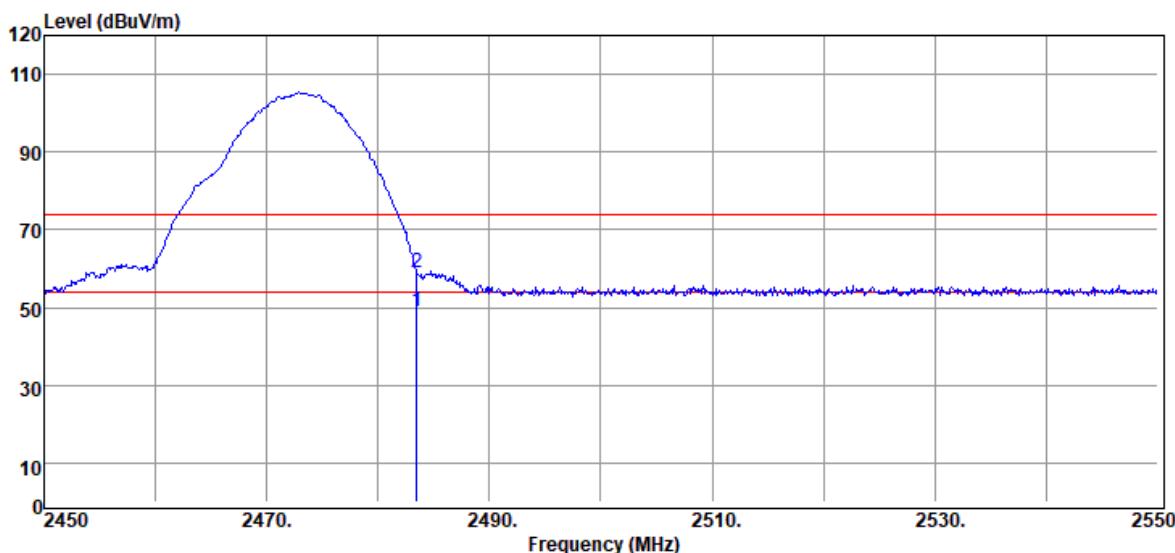
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11b	Test Date	:2020-11-12
Test Frequency	:2472 MHz	Temp./Humi.	:22.9/70
Test Mode	:BE CH 13	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plan	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual	Limit	Margin dB
				FS dB $\mu$ V/m	@3m dB $\mu$ V/m	
2483.50	Average	44.66	4.42	49.08	54.00	-4.92
2483.50	Peak	54.52	4.42	58.94	74.00	-15.06

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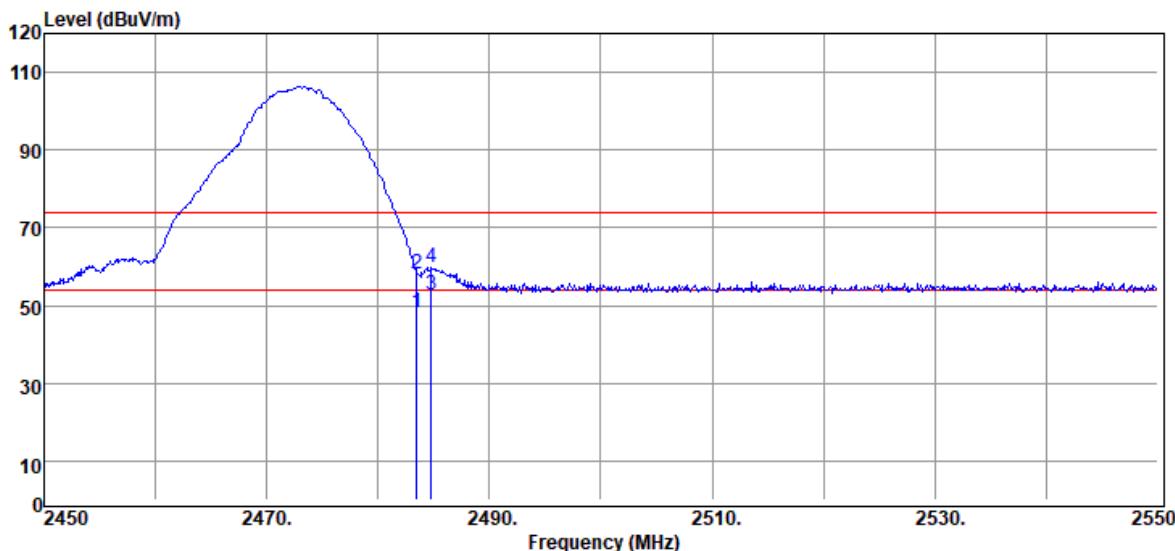
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Report Number :E2/2020/B0009  
 Operation Mode :802.11b  
 Test Frequency :2472 MHz  
 Test Mode :BE CH 13  
 EUT Pol :NB Plan

Test Site :966 Chamber C  
 Test Date :2020-11-12  
 Temp./Humi. :22.9/70  
 Antenna Pol. :HORIZONTAL  
 Engineer :Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m	Margin
					dB $\mu$ V/m	dB
2483.50	Average	43.80	4.42	48.22	54.00	-5.78
2483.50	Peak	53.77	4.42	58.19	74.00	-15.81
2484.80	Average	48.12	4.45	52.57	54.00	-1.43
2484.80	Peak	55.53	4.45	59.98	74.00	-14.02

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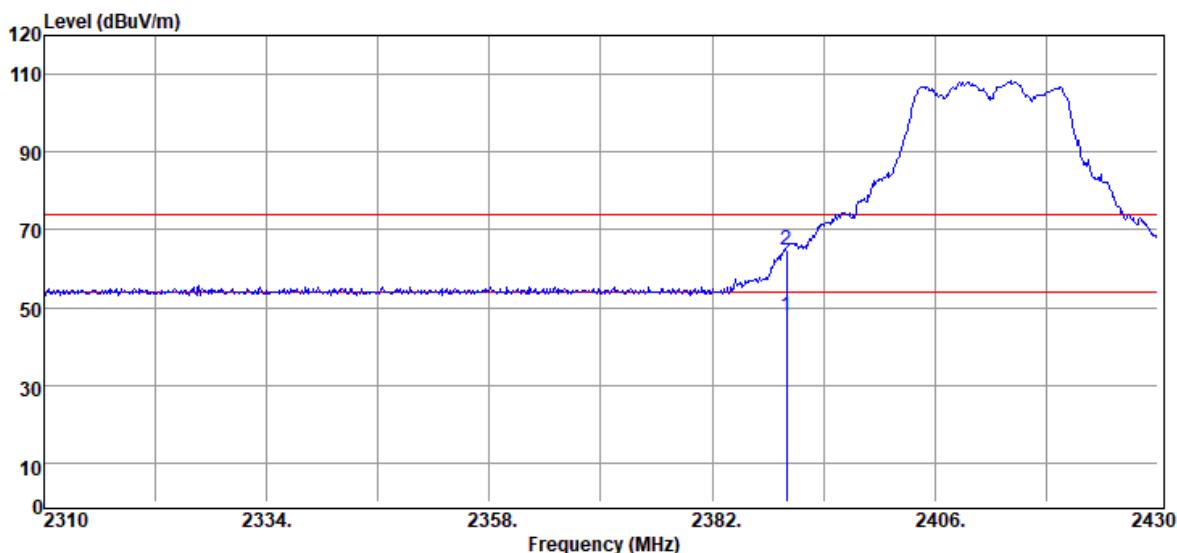
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11g	Test Date	:2020-11-12
Test Frequency	:2412 MHz	Temp./Humi.	:22.9/70
Test Mode	:BE CH LOW	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plan	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual	Limit	Margin dB
				FS dB $\mu$ V/m	@3m dB $\mu$ V/m	
2390.00	Average	43.88	3.76	47.64	54.00	-6.36
2390.00	Peak	61.13	3.76	64.89	74.00	-9.11

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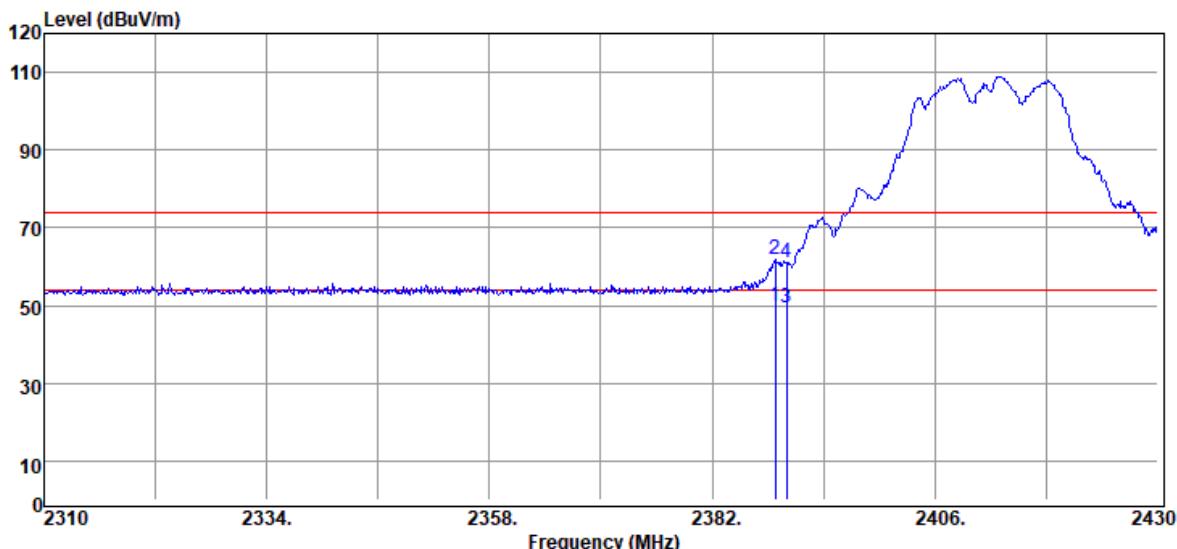
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Report Number :E2/2020/B0009  
 Operation Mode :802.11g  
 Test Frequency :2412 MHz  
 Test Mode :BE CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber C  
 Test Date :2020-11-12  
 Temp./Humi. :22.9/70  
 Antenna Pol. :HORIZONTAL  
 Engineer :Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m	Margin dB
					Limit @3m	
2388.84	Average	46.13	3.77	49.90	54.00	-4.10
2388.84	Peak	58.01	3.77	61.78	74.00	-12.22
2390.00	Average	45.52	3.76	49.28	54.00	-4.72
2390.00	Peak	57.16	3.76	60.92	74.00	-13.08

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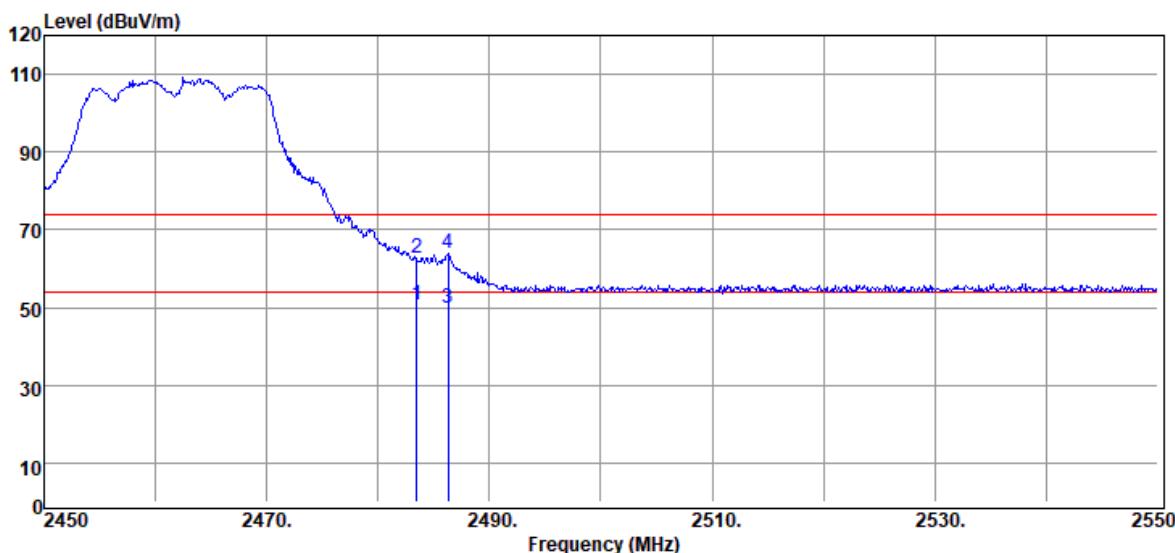
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11g	Test Date	:2020-11-12
Test Frequency	:2462 MHz	Temp./Humi.	:22.9/71
Test Mode	:BE CH HIGH	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plan	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual	Limit	Margin dB
				FS dB $\mu$ V/m	@3m dB $\mu$ V/m	
2483.50	Average	46.17	4.42	50.59	54.00	-3.41
2483.50	Peak	58.25	4.42	62.67	74.00	-11.33
2486.30	Average	45.27	4.45	49.72	54.00	-4.28
2486.30	Peak	59.65	4.45	64.10	74.00	-9.90

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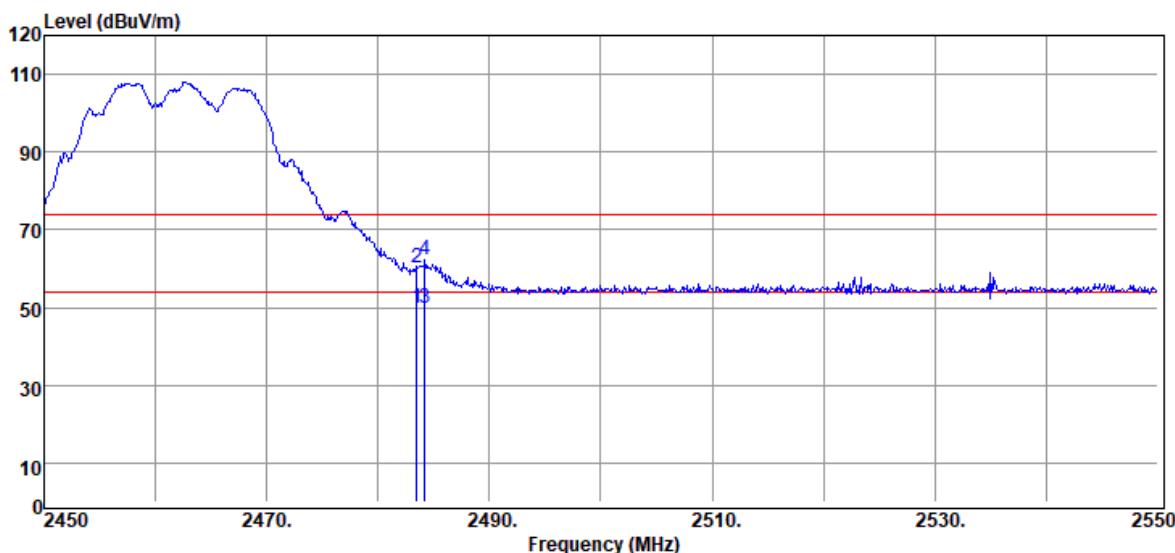
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11g	Test Date	:2020-11-12
Test Frequency	:2462 MHz	Temp./Humi.	:22.9/71
Test Mode	:BE CH HIGH	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plan	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual	Limit	Margin dB
				FS	@3m	
2483.50	Average	45.40	4.42	49.82	54.00	-4.18
2483.50	Peak	55.67	4.42	60.09	74.00	-13.91
2484.20	Average	45.38	4.45	49.83	54.00	-4.17
2484.20	Peak	57.74	4.45	62.19	74.00	-11.81

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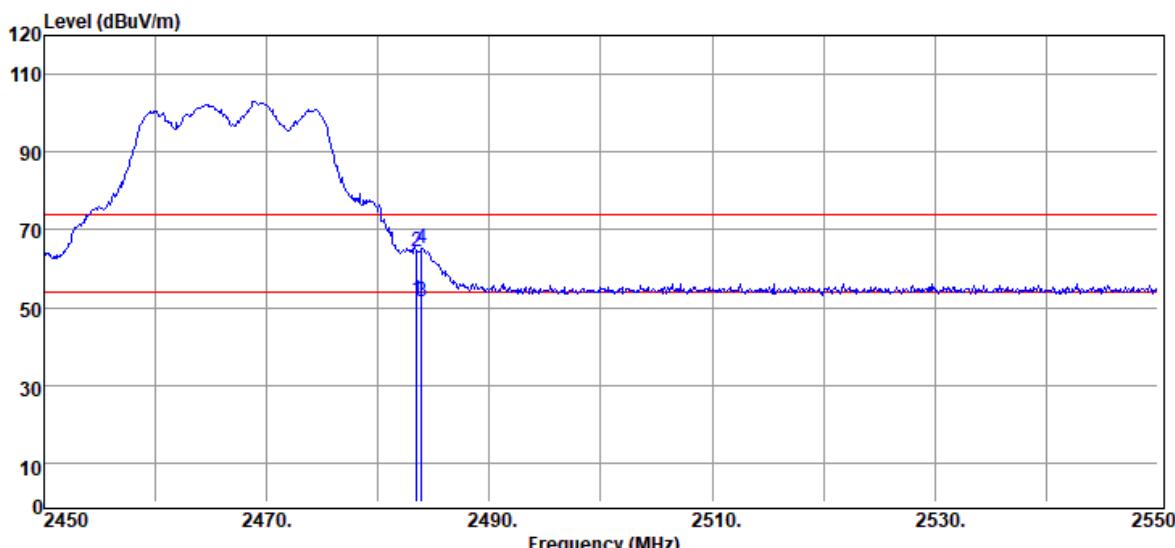
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11g	Test Date	:2020-11-12
Test Frequency	:2467 MHz	Temp./Humi.	:22.9/71
Test Mode	:BE CH 12	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plan	Engineer	:Ashton Chiu



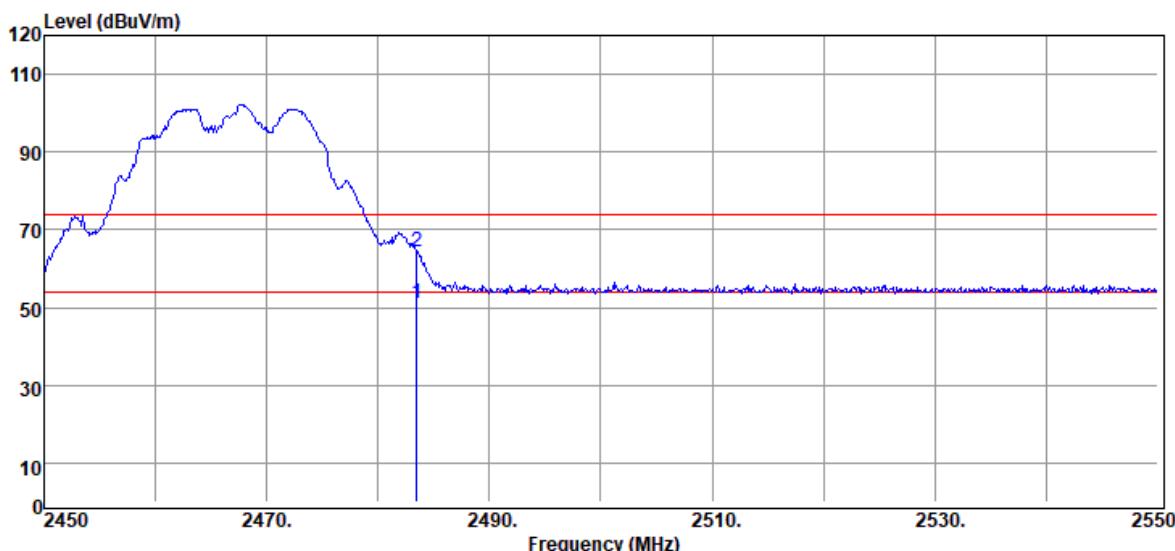
Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual	Limit	Margin dB
				FS dB $\mu$ V/m	@3m dB $\mu$ V/m	
2483.50	Average	47.31	4.42	51.73	54.00	-2.27
2483.50	Peak	59.95	4.42	64.37	74.00	-9.63
2483.90	Average	46.93	4.44	51.37	54.00	-2.63
2483.90	Peak	60.95	4.44	65.39	74.00	-8.61

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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11g	Test Date	:2020-11-12
Test Frequency	:2467 MHz	Temp./Humi.	:22.9/71
Test Mode	:BE CH 12	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plan	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
					Margin dB	Margin dB
2483.50	Average	46.83	4.42	51.25	54.00	-2.75
2483.50	Peak	60.01	4.42	64.43	74.00	-9.57

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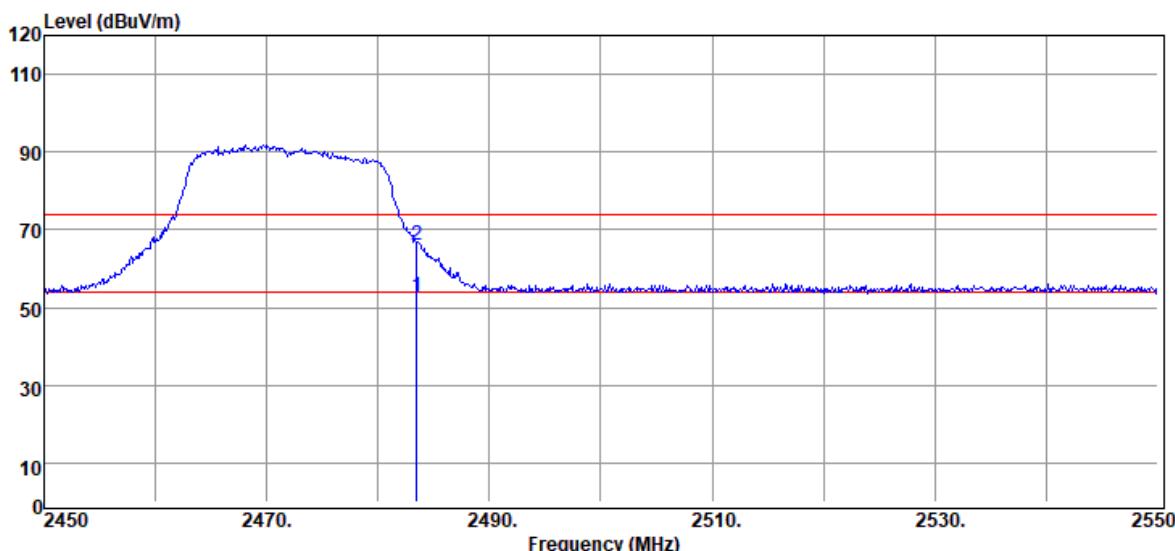
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11n20	Test Date	:2020-11-12
Test Frequency	:2472 MHz	Temp./Humi.	:22.8/62
Test Mode	:BE CH 13	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plan	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual	Limit	Margin dB
				FS dB $\mu$ V/m	@3m dB $\mu$ V/m	
2483.50	Average	48.34	4.42	52.76	54.00	-1.24
2483.50	Peak	61.71	4.42	66.13	74.00	-7.87

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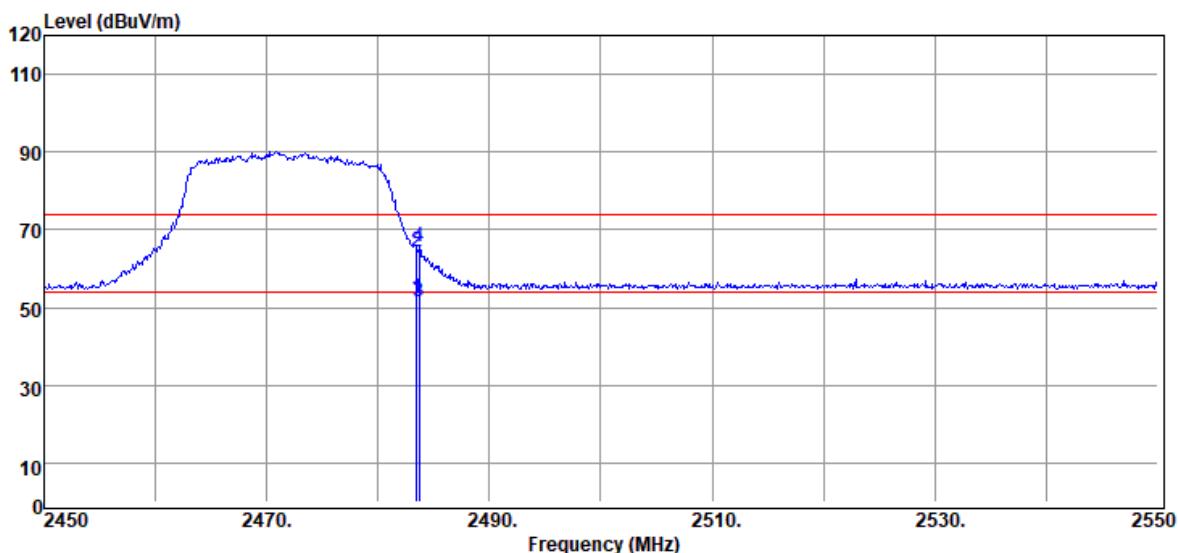
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Report Number :E2/2020/B0009  
 Operation Mode :802.11n20  
 Test Frequency :2472 MHz  
 Test Mode :BE CH 13  
 EUT Pol :NB Plan

Test Site :966 Chamber C  
 Test Date :2020-11-12  
 Temp./Humi. :22.8/62  
 Antenna Pol. :HORIZONTAL  
 Engineer :Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m	Margin
					Limit @3m	Margin
2483.50	Average	47.94	4.42	52.36	54.00	-1.64
2483.50	Peak	59.82	4.42	64.24	74.00	-9.76
2483.70	Average	47.25	4.43	51.68	54.00	-2.32
2483.70	Peak	61.14	4.43	65.57	74.00	-8.43

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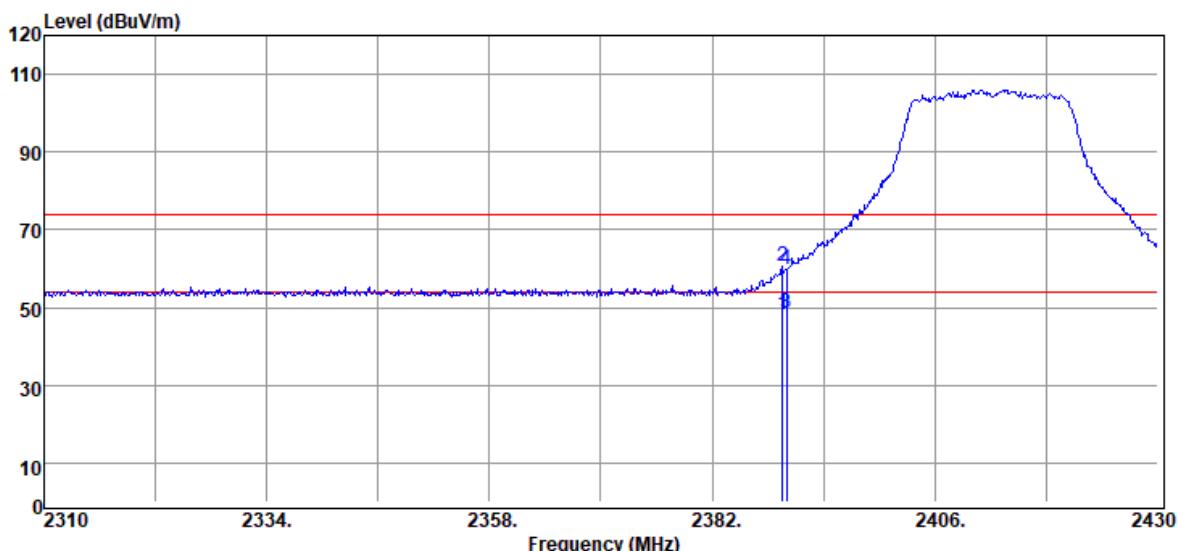
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11n20	Test Date	:2020-11-12
Test Frequency	:2412 MHz	Temp./Humi.	:22.8/62
Test Mode	:BE CH LOW	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plan	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual		Margin dB
				FS	@3m dB $\mu$ V/m	
2389.56	Average	44.27	3.76	48.03	54.00	-5.97
2389.56	Peak	56.86	3.76	60.62	74.00	-13.38
2390.00	Average	44.93	3.76	48.69	54.00	-5.31
2390.00	Peak	56.01	3.76	59.77	74.00	-14.23

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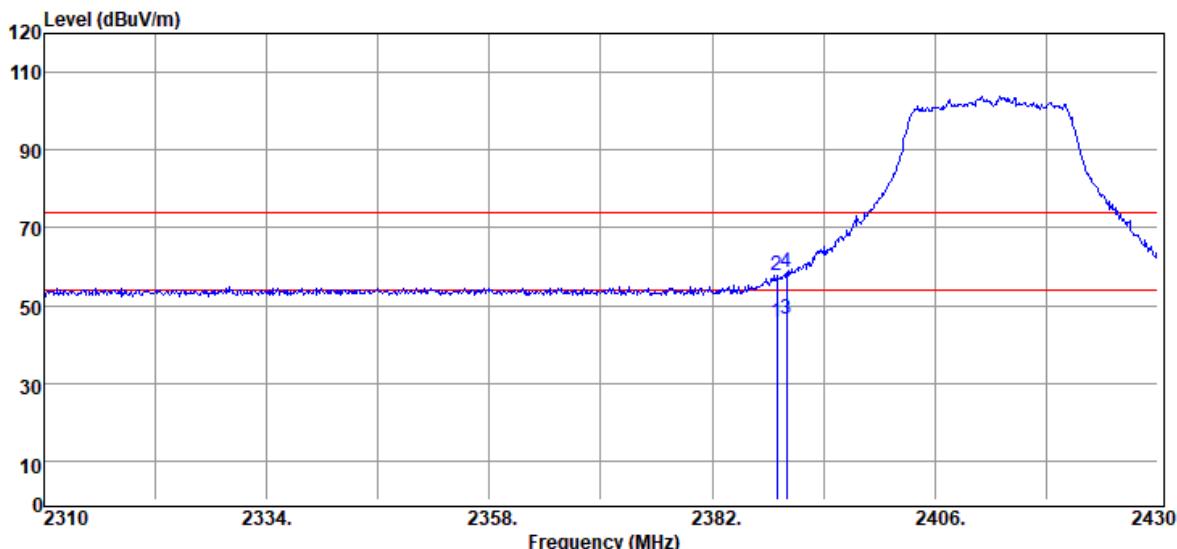
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Report Number :E2/2020/B0009  
 Operation Mode :802.11n20  
 Test Frequency :2412 MHz  
 Test Mode :BE CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber C  
 Test Date :2020-11-12  
 Temp./Humi. :22.8/62  
 Antenna Pol. :HORIZONTAL  
 Engineer :Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m	Margin
					Limit @3m	Margin
2388.96	Average	41.95	3.76	45.71	54.00	-8.29
2388.96	Peak	54.01	3.76	57.77	74.00	-16.23
2390.00	Average	42.92	3.76	46.68	54.00	-7.32
2390.00	Peak	54.67	3.76	58.43	74.00	-15.57

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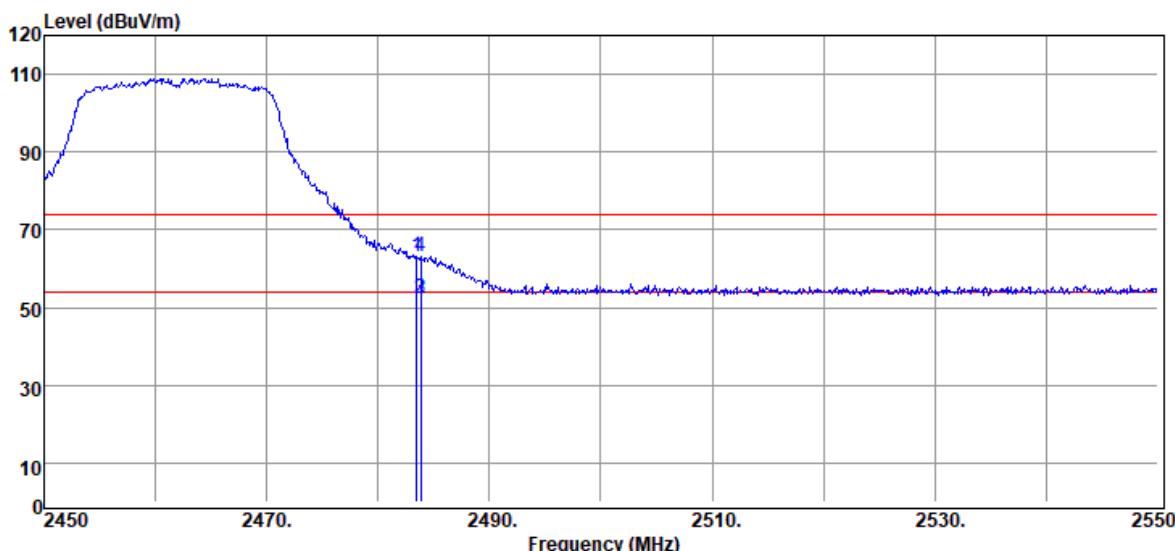
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11n20	Test Date	:2020-11-12
Test Frequency	:2462 MHz	Temp./Humi.	:22.8/62
Test Mode	:BE CH HIGH	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plan	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual	Limit	Margin dB
				FS dB $\mu$ V/m	@3m dB $\mu$ V/m	
2483.50	Peak	58.61	4.42	63.03	74.00	-10.97
2483.80	Average	47.94	4.43	52.37	54.00	-1.63
2483.80	Average	47.95	4.43	52.38	54.00	-1.62
2483.80	Peak	58.75	4.43	63.18	74.00	-10.82

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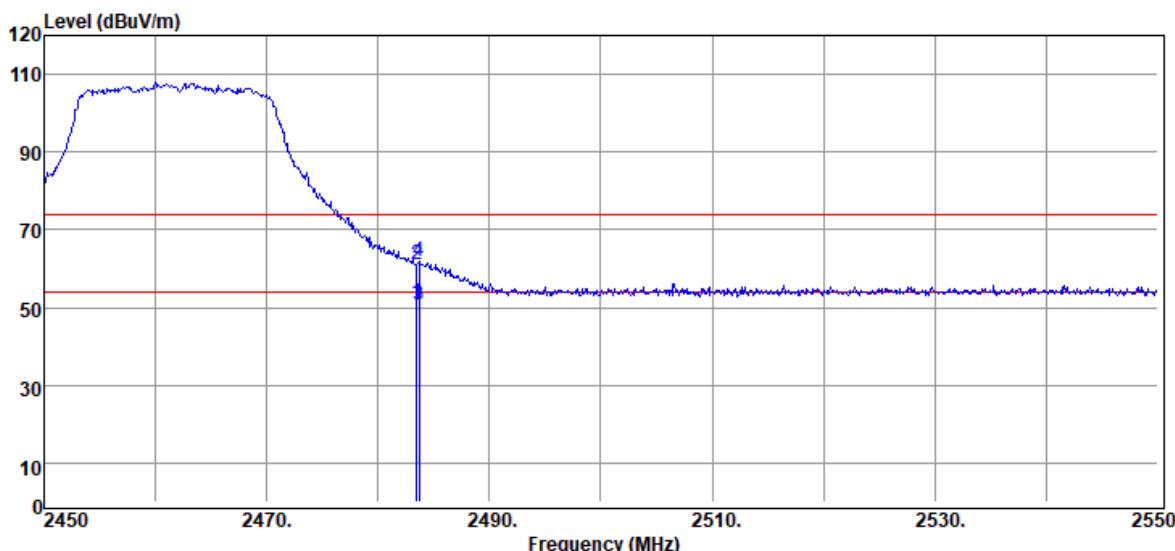
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11n20	Test Date	:2020-11-12
Test Frequency	:2462 MHz	Temp./Humi.	:22.8/62
Test Mode	:BE CH HIGH	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plan	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
					Factor dB	Margin dB
2483.50	Average	46.55	4.42	50.97	54.00	-3.03
2483.50	Peak	56.57	4.42	60.99	74.00	-13.01
2483.70	Average	46.31	4.43	50.74	54.00	-3.26
2483.70	Peak	57.60	4.43	62.03	74.00	-11.97

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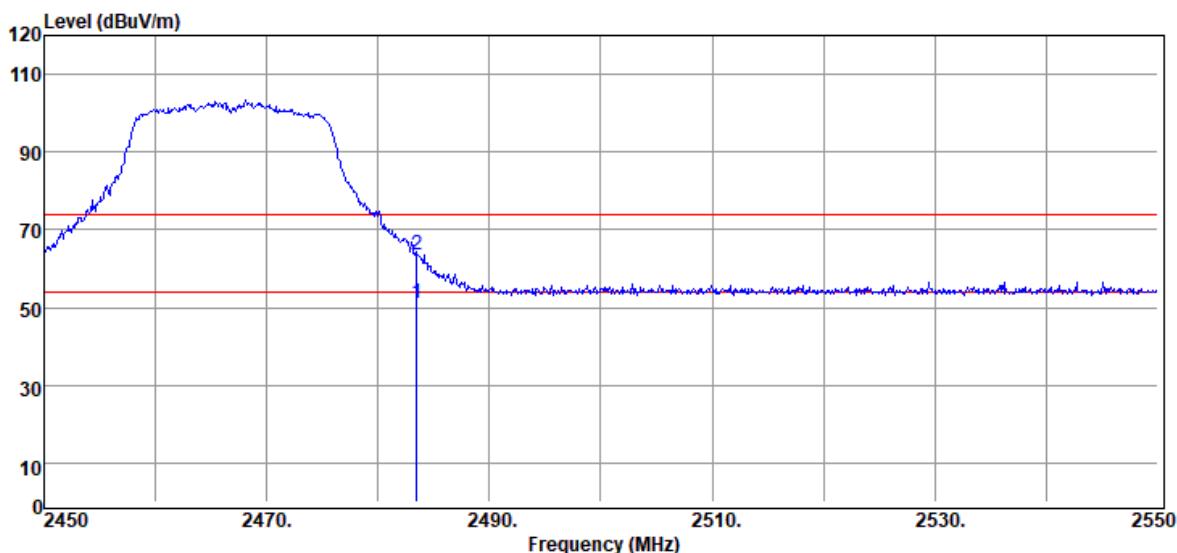
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11n20	Test Date	:2020-11-12
Test Frequency	:2467 MHz	Temp./Humi.	:22.8/62
Test Mode	:BE CH 12	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plan	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual	Limit	Margin dB
				FS dB $\mu$ V/m	@3m dB $\mu$ V/m	
2483.50	Average	46.71	4.42	51.13	54.00	-2.87
2483.50	Peak	59.04	4.42	63.46	74.00	-10.54

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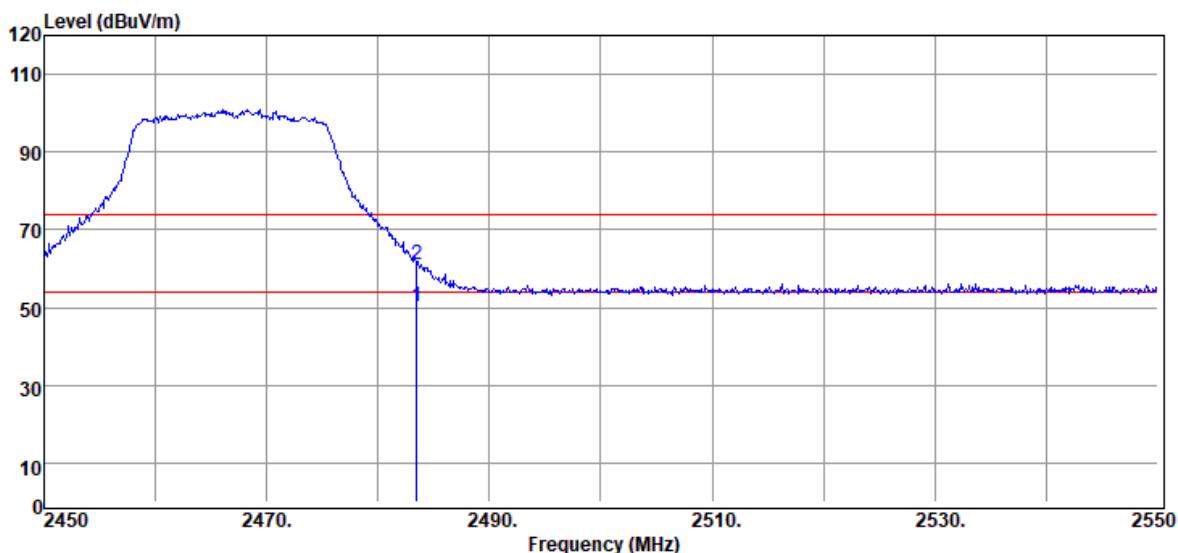
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Report Number :E2/2020/B0009 Test Site :966 Chamber C  
Operation Mode :802.11n20 Test Date :2020-11-12  
Test Frequency :2467 MHz Temp./Humi. :22.8/62  
Test Mode :BE CH 12 Antenna Pol. :HORIZONTAL  
EUT Pol :NB Plan Engineer :Ashton Chiu



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor	Actual FS dB $\mu$ V/m	Limit	Margin
					@3m dB $\mu$ V/m	dB
2483.50	Average	45.69	4.42	50.11	54.00	-3.89
2483.50	Peak	56.43	4.42	60.85	74.00	-13.15

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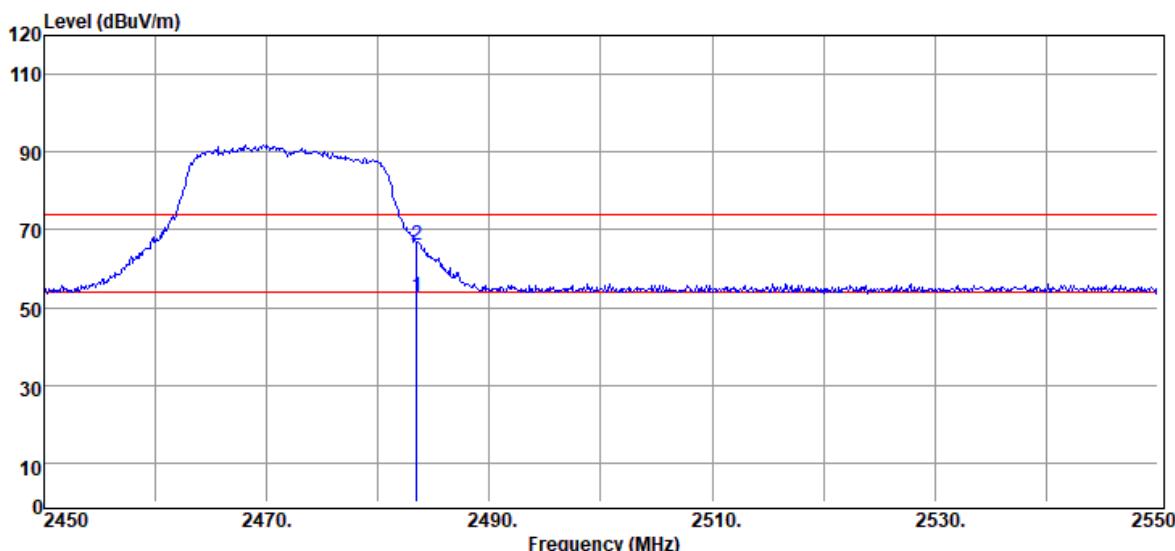
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11n20	Test Date	:2020-11-12
Test Frequency	:2472 MHz	Temp./Humi.	:22.8/62
Test Mode	:BE CH 13	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plan	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual	Limit	Margin dB
				FS dB $\mu$ V/m	@3m dB $\mu$ V/m	
2483.50	Average	48.34	4.42	52.76	54.00	-1.24
2483.50	Peak	61.71	4.42	66.13	74.00	-7.87

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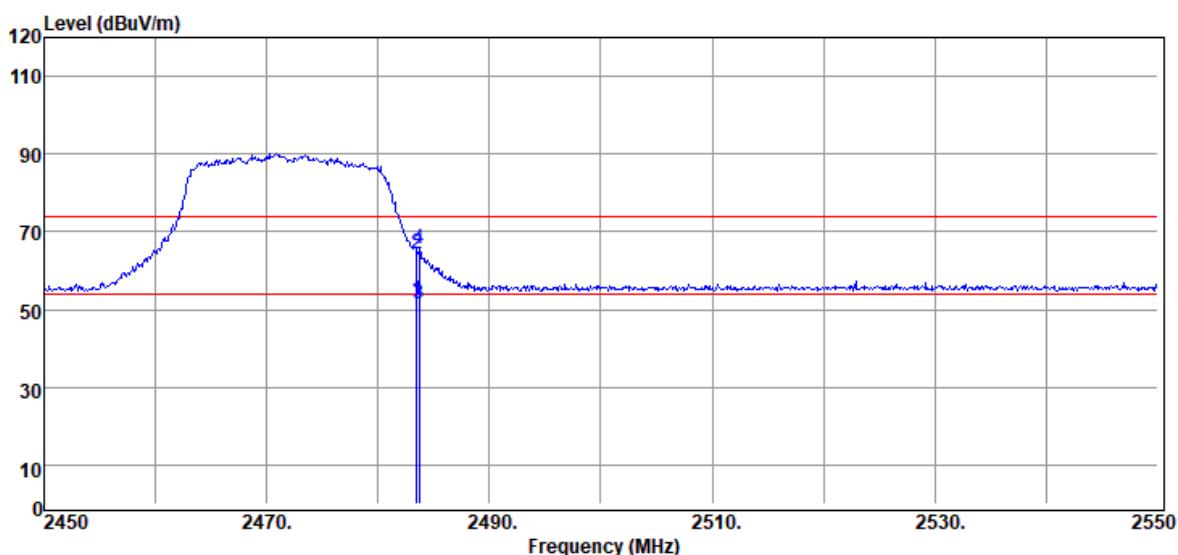
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11n20	Test Date	:2020-11-12
Test Frequency	:2472 MHz	Temp./Humi.	:22.8/62
Test Mode	:BE CH 13	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plan	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual	Limit	Margin dB
				FS dB $\mu$ V/m	@3m dB $\mu$ V/m	
2483.50	Average	47.94	4.42	52.36	54.00	-1.64
2483.50	Peak	59.82	4.42	64.24	74.00	-9.76
2483.70	Average	47.25	4.43	51.68	54.00	-2.32
2483.70	Peak	61.14	4.43	65.57	74.00	-8.43

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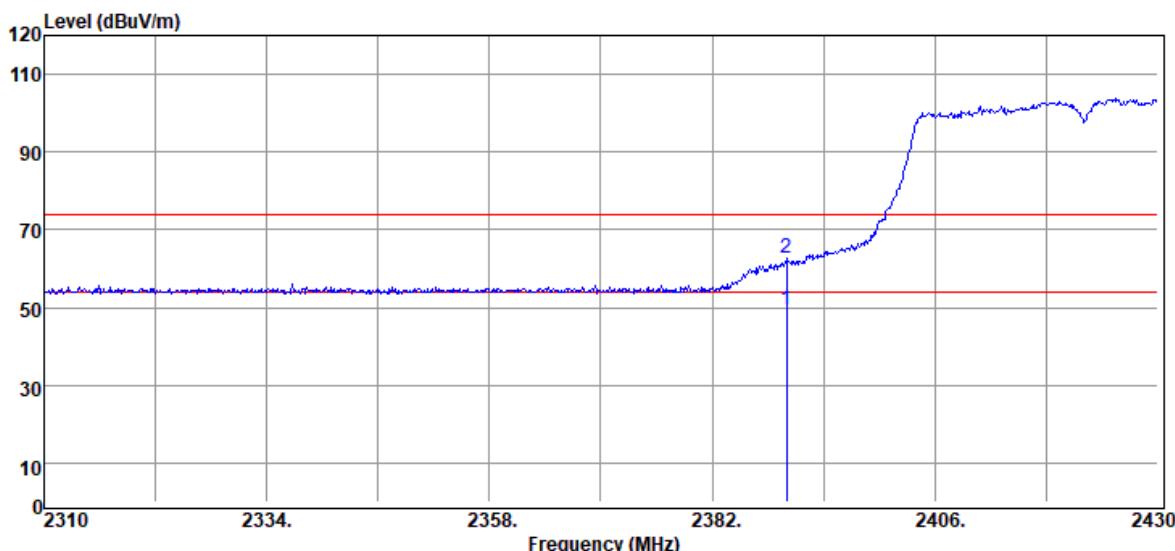
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11n40	Test Date	:2020-11-12
Test Frequency	:2422 MHz	Temp./Humi.	:22.8/62
Test Mode	:BE CH LOW	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plan	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual		Margin dB
				FS	Limit @3m dB $\mu$ V/m	
2390.00	Average	45.66	3.76	49.42	54.00	-4.58
2390.00	Peak	58.86	3.76	62.62	74.00	-11.38

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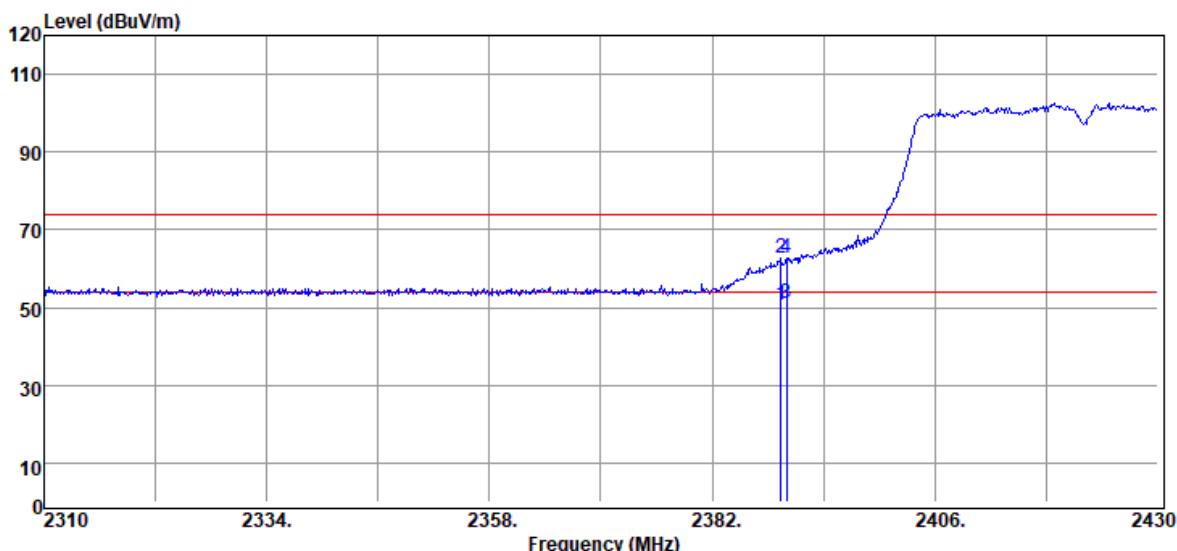
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Report Number :E2/2020/B0009  
 Operation Mode :802.11n40  
 Test Frequency :2422 MHz  
 Test Mode :BE CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber C  
 Test Date :2020-11-12  
 Temp./Humi. :22.8/62  
 Antenna Pol. :HORIZONTAL  
 Engineer :Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m	Margin dB
					Margin dB	
2389.44	Average	46.99	3.76	50.75	54.00	-3.25
2389.44	Peak	58.78	3.76	62.54	74.00	-11.46
2390.00	Average	47.29	3.76	51.05	54.00	-2.95
2390.00	Peak	58.75	3.76	62.51	74.00	-11.49

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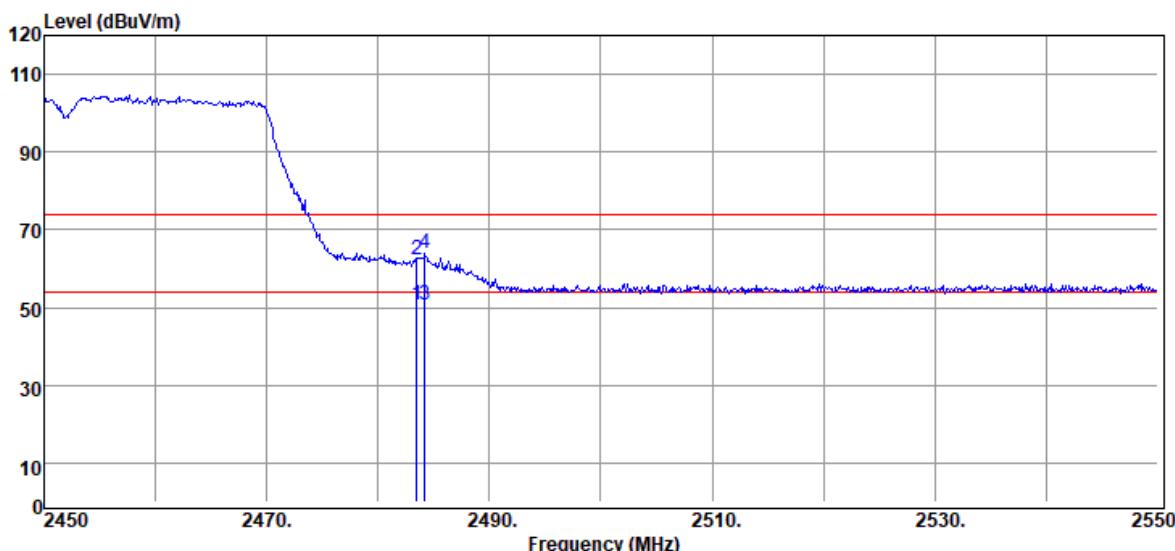
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11n40	Test Date	:2020-11-12
Test Frequency	:2452 MHz	Temp./Humi.	:22.8/62
Test Mode	:BE CH HIGH	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plan	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual	Limit	Margin dB
				FS dB $\mu$ V/m	@3m dB $\mu$ V/m	
2483.50	Average	46.35	4.42	50.77	54.00	-3.23
2483.50	Peak	57.86	4.42	62.28	74.00	-11.72
2484.20	Average	46.28	4.45	50.73	54.00	-3.27
2484.20	Peak	59.45	4.45	63.90	74.00	-10.10

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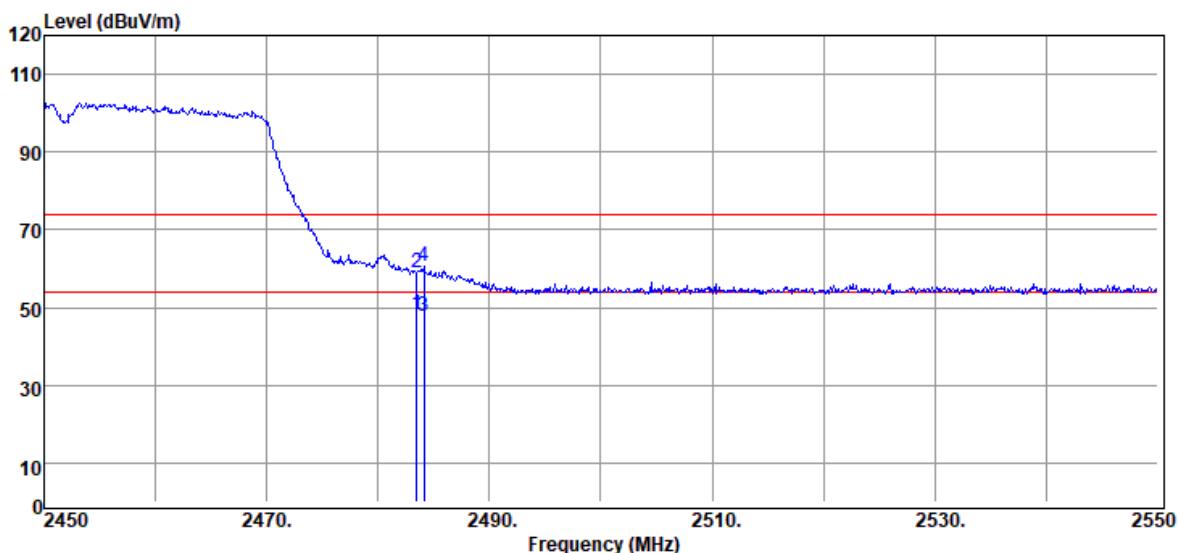
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Report Number :E2/2020/B0009  
 Operation Mode :802.11n40  
 Test Frequency :2452 MHz  
 Test Mode :BE CH HIGH  
 EUT Pol :NB Plan  
 Test Site :966 Chamber C  
 Test Date :2020-11-12  
 Temp./Humi. :22.8/62  
 Antenna Pol. :HORIZONTAL  
 Engineer :Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m	Margin
					dB $\mu$ V/m	dB
2483.50	Average	43.66	4.42	48.08	54.00	-5.92
2483.50	Peak	54.55	4.42	58.97	74.00	-15.03
2484.10	Average	43.16	4.45	47.61	54.00	-6.39
2484.10	Peak	56.22	4.45	60.67	74.00	-13.33

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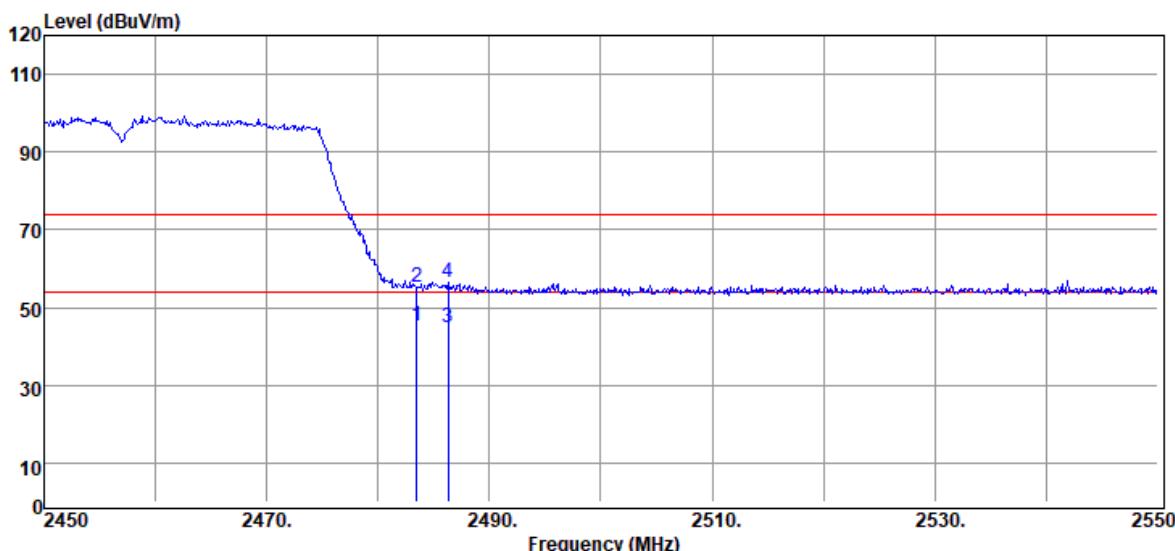
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11n40	Test Date	:2020-11-12
Test Frequency	:2457 MHz	Temp./Humi.	:22.8/62
Test Mode	:BE CH 10	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plan	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual	Limit	Margin dB
				FS dB $\mu$ V/m	@3m dB $\mu$ V/m	
2483.50	Average	40.89	4.42	45.31	54.00	-8.69
2483.50	Peak	50.79	4.42	55.21	74.00	-18.79
2486.30	Average	40.47	4.45	44.92	54.00	-9.08
2486.30	Peak	52.11	4.45	56.56	74.00	-17.44

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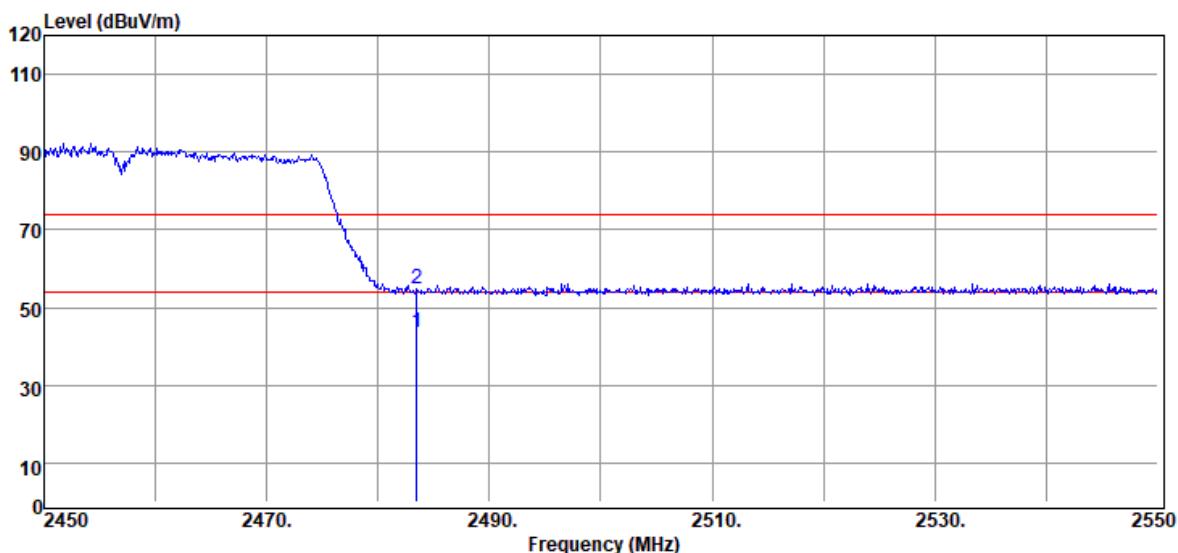
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Report Number :E2/2020/B0009 Test Site :966 Chamber C  
Operation Mode :802.11n40 Test Date :2020-11-12  
Test Frequency :2457 MHz Temp./Humi. :22.8/62  
Test Mode :BE CH 10 Antenna Pol. :HORIZONTAL  
EUT Pol :NB Plan Engineer :Ashton Chiu



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
					dB $\mu$ V/m	dB
2483.50	Average	39.25	4.42	43.67	54.00	-10.33
2483.50	Peak	50.28	4.42	54.70	74.00	-19.30

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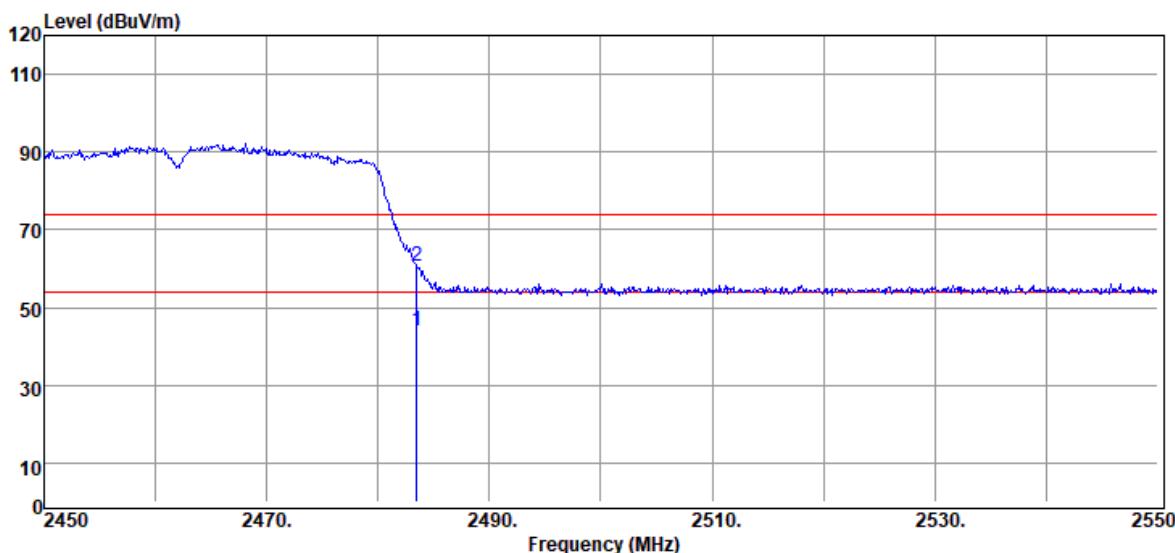
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11n40	Test Date	:2020-11-12
Test Frequency	:2462 MHz	Temp./Humi.	:22.8/62
Test Mode	:BE CH 11	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plan	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual	Limit	Margin dB
				FS dB $\mu$ V/m	@3m dB $\mu$ V/m	
2483.50	Average	39.51	4.42	43.93	54.00	-10.07
2483.50	Peak	56.41	4.42	60.83	74.00	-13.17

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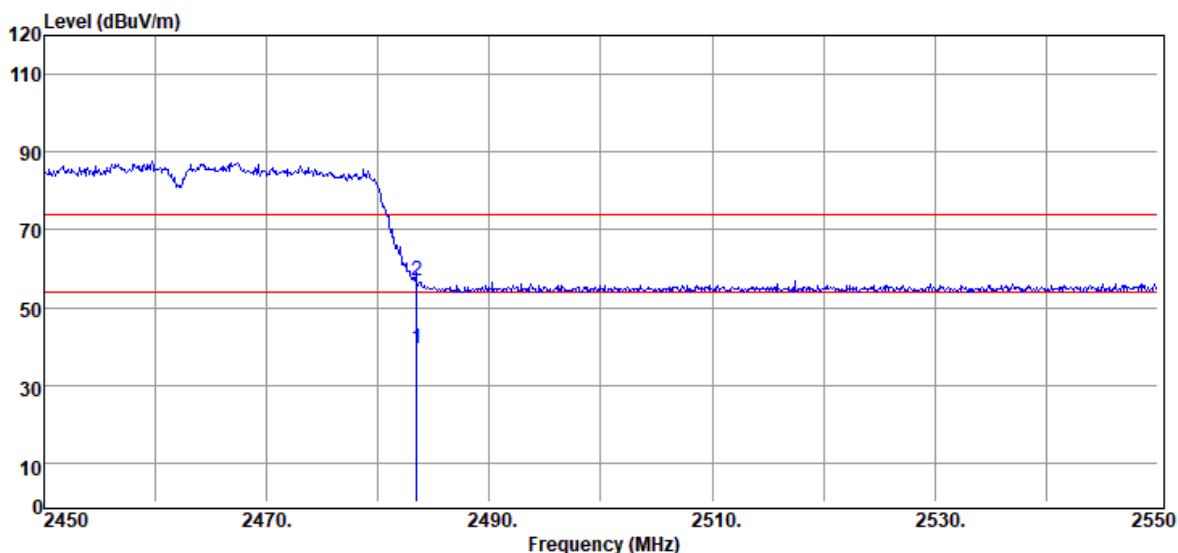
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Report Number :E2/2020/B0009 Test Site :966 Chamber C  
Operation Mode :802.11n40 Test Date :2020-11-12  
Test Frequency :2462 MHz Temp./Humi. :22.8/62  
Test Mode :BE CH 11 Antenna Pol. :HORIZONTAL  
EUT Pol :NB Plan Engineer :Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin
					dB	dB
2483.50	Average	34.93	4.42	39.35	54.00	-14.65
2483.50	Peak	52.67	4.42	57.09	74.00	-16.91

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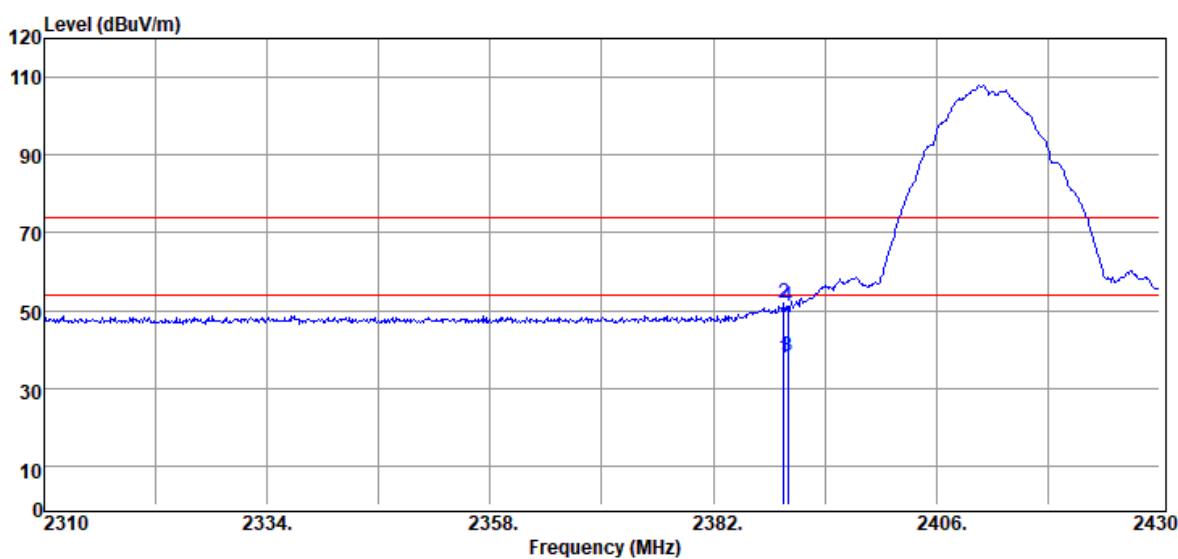
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**Tablet Mode**

Report Number :E2/2020/B0009      Test Site :966 Chamber C  
 Operation Mode :802.11b      Test Date :2020-11-05  
 Test Frequency :2412 MHz      Temp./Humi. :22.3/64  
 Test Mode :BE CH LOW      Antenna Pol. :HORIZONTAL  
 EUT Pol :E1 Plan      Engineer :Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
					Margin dB	
2389.56	Average	34.18	3.76	37.94	54.00	-16.06
2389.56	Peak	48.16	3.76	51.92	74.00	-22.08
2390.00	Average	34.26	3.76	38.02	54.00	-15.98
2390.00	Peak	47.15	3.76	50.91	74.00	-23.09

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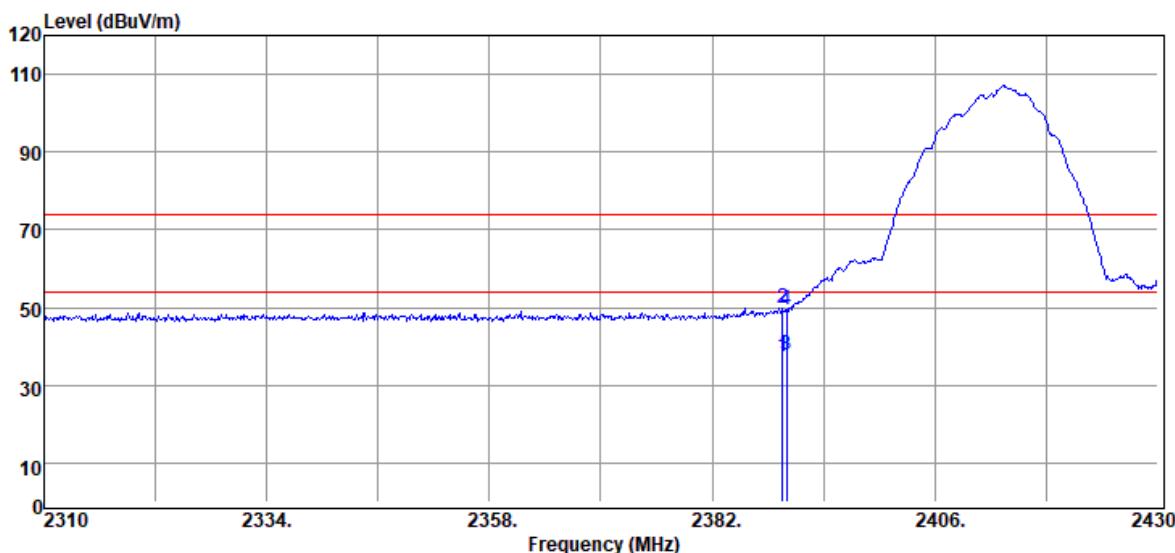
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11b	Test Date	:2020-11-05
Test Frequency	:2412 MHz	Temp./Humi.	:22.3/64
Test Mode	:BE CH LOW	Antenna Pol.	:VERTICAL
EUT Pol	:E1 Plan	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual	Limit	Margin dB
				FS dB $\mu$ V/m	@3m dB $\mu$ V/m	
2389.56	Average	33.43	3.76	37.19	54.00	-16.81
2389.56	Peak	46.14	3.76	49.90	74.00	-24.10
2390.00	Average	34.17	3.76	37.93	54.00	-16.07
2390.00	Peak	45.84	3.76	49.60	74.00	-24.40

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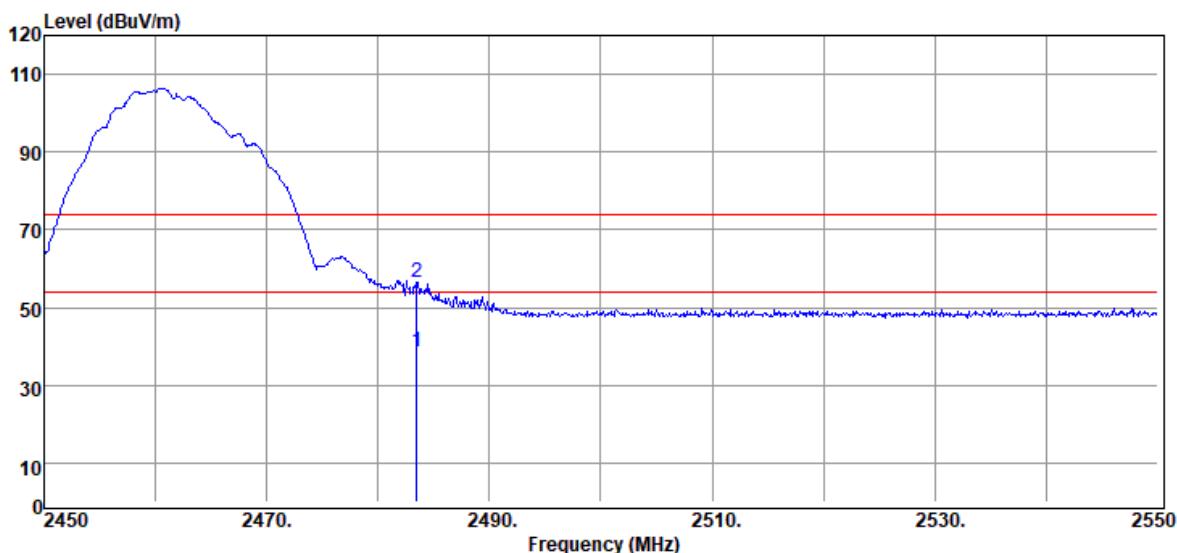
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11b	Test Date	:2020-11-05
Test Frequency	:2462 MHz	Temp./Humi.	:22.3/64
Test Mode	:BE CH HIGH	Antenna Pol.	:HORIZONTAL
EUT Pol	:E1 Plan	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
					Margin dB	
2483.50	Average	34.15	4.42	38.57	54.00	-15.43
2483.50	Peak	51.89	4.42	56.31	74.00	-17.69

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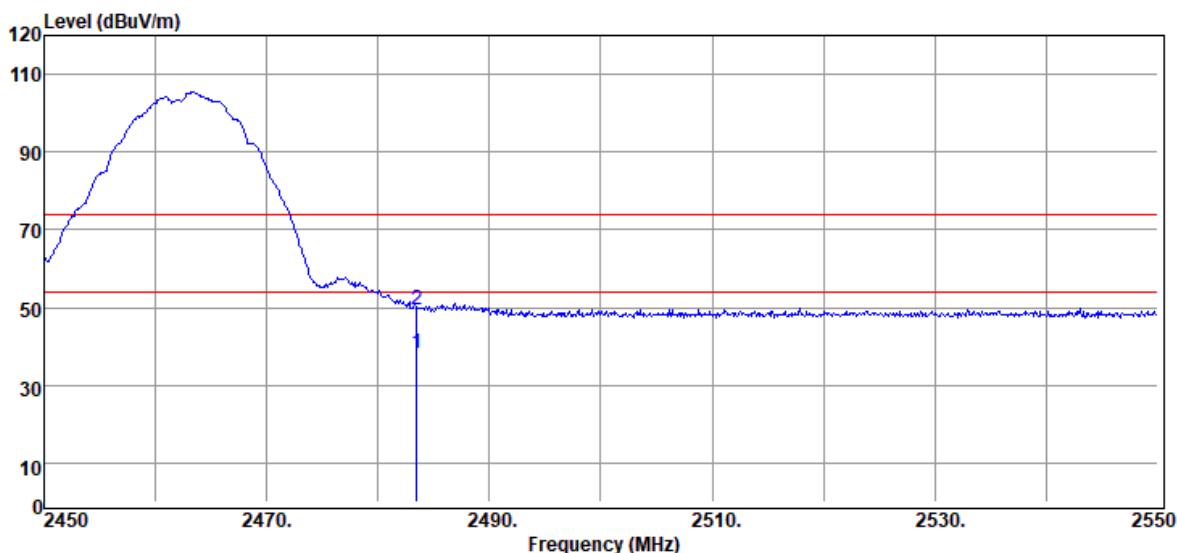
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11b	Test Date	:2020-11-05
Test Frequency	:2462 MHz	Temp./Humi.	:22.3/64
Test Mode	:BE CH HIGH	Antenna Pol.	:VERTICAL
EUT Pol	:E1 Plan	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual	Limit	Margin dB
				FS dB $\mu$ V/m	@3m dB $\mu$ V/m	
2483.50	Average	33.68	4.42	38.10	54.00	-15.90
2483.50	Peak	45.01	4.42	49.43	74.00	-24.57

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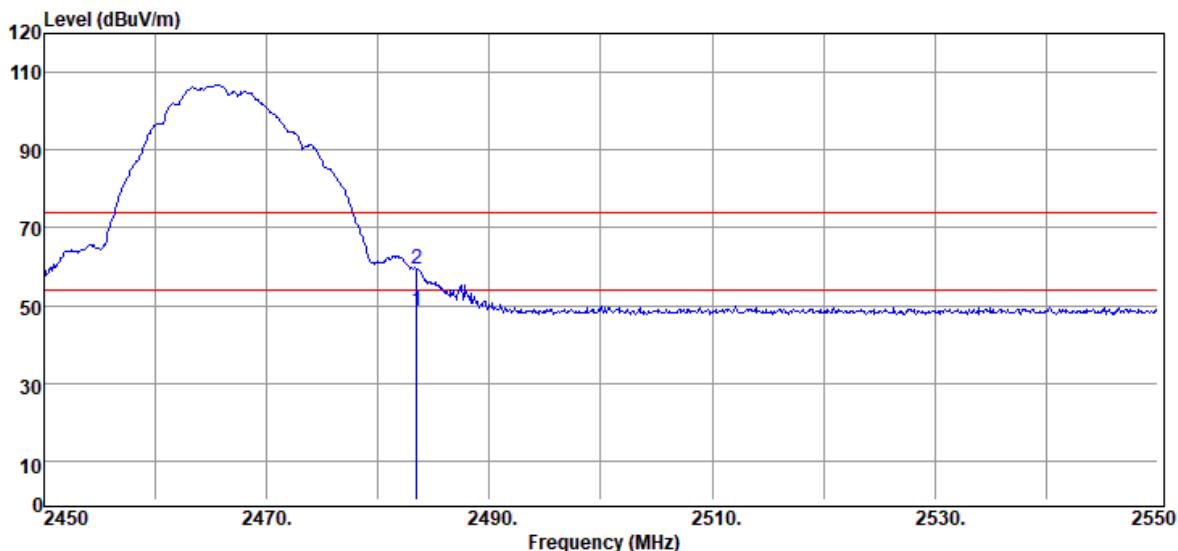
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Report Number :E2/2020/B0009 Test Site :966 Chamber C  
Operation Mode :802.11b Test Date :2020-11-05  
Test Frequency :2467 MHz Temp./Humi. :22.3/64  
Test Mode :BE CH 12 Antenna Pol. :HORIZONTAL  
EUT Pol :E1 Plan Engineer :Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit	Margin dB
					@3m dB $\mu$ V/m	
2483.50	Average	44.01	4.42	48.43	54.00	-5.57
2483.50	Peak	54.85	4.42	59.27	74.00	-14.73

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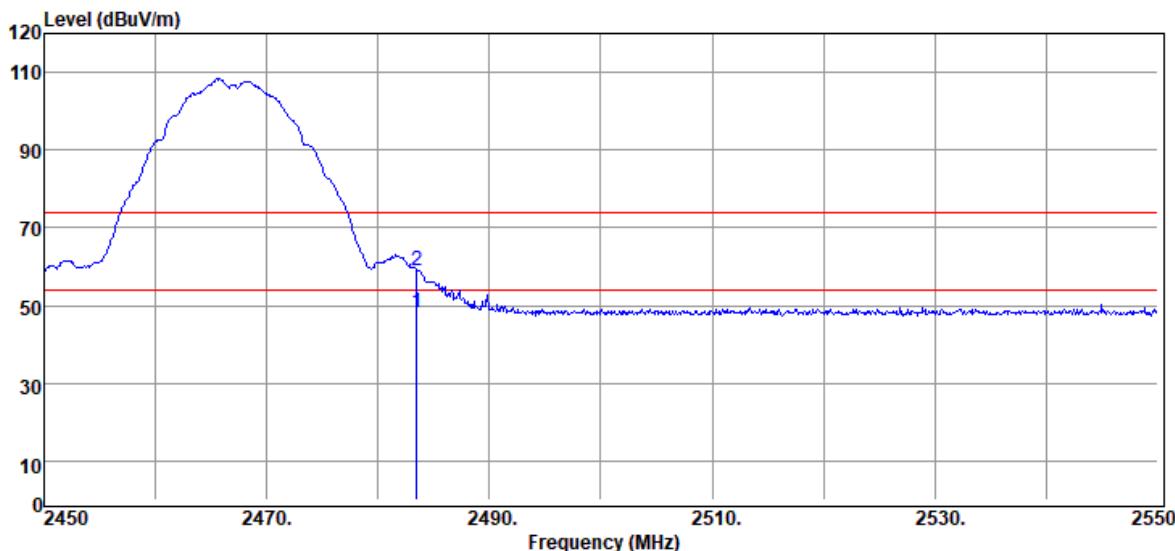
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11b	Test Date	:2020-11-05
Test Frequency	:2467 MHz	Temp./Humi.	:22.3/64
Test Mode	:BE CH 12	Antenna Pol.	:VERTICAL
EUT Pol	:E1 Plan	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
2483.50	Average	43.95	4.42	48.37	54.00	-5.63
2483.50	Peak	54.73	4.42	59.15	74.00	-14.85

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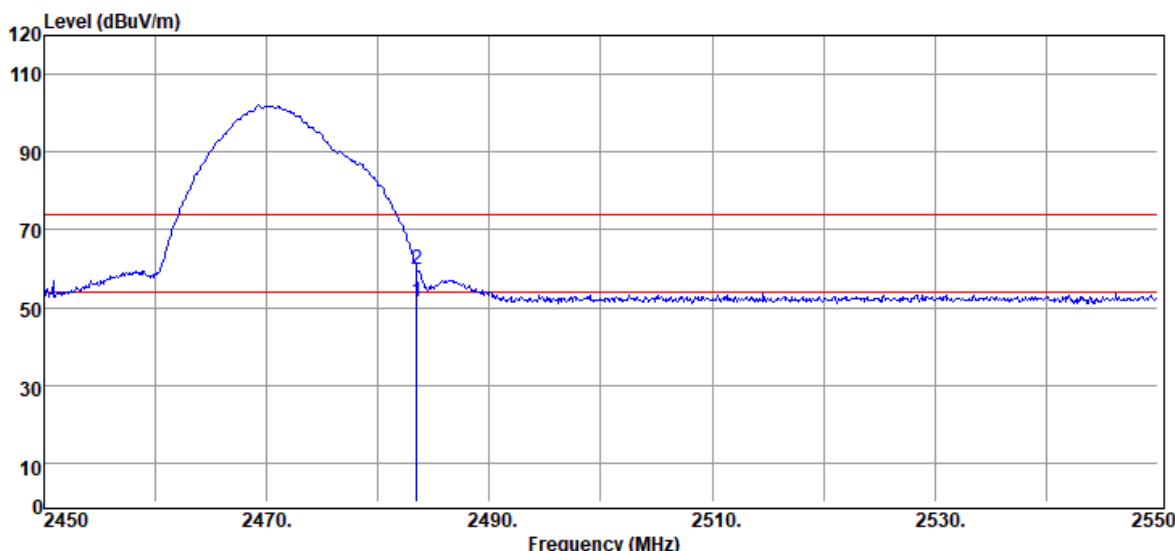
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11b	Test Date	:2020-11-05
Test Frequency	:2472 MHz	Temp./Humi.	:22.3/64
Test Mode	:BE CH 13	Antenna Pol.	:HORIZONTAL
EUT Pol	:E1 Plan	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin
					Factor dB	Margin dB
2483.50	Average	47.27	4.42	51.69	54.00	-2.31
2483.50	Peak	55.49	4.42	59.91	74.00	-14.09

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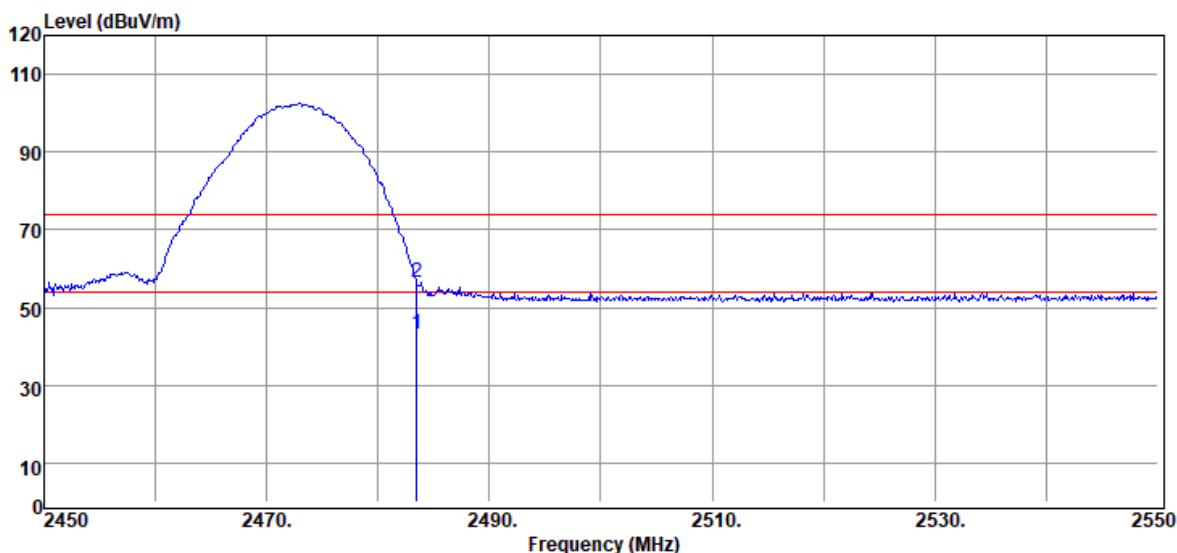
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11b	Test Date	:2020-11-05
Test Frequency	:2472 MHz	Temp./Humi.	:22.3/64
Test Mode	:BE CH 13	Antenna Pol.	:VERTICAL
EUT Pol	:E1 Plan	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual	Limit	Margin dB
				FS dB $\mu$ V/m	@3m dB $\mu$ V/m	
2483.50	Average	38.72	4.42	43.14	54.00	-10.86
2483.50	Peak	51.98	4.42	56.40	74.00	-17.60

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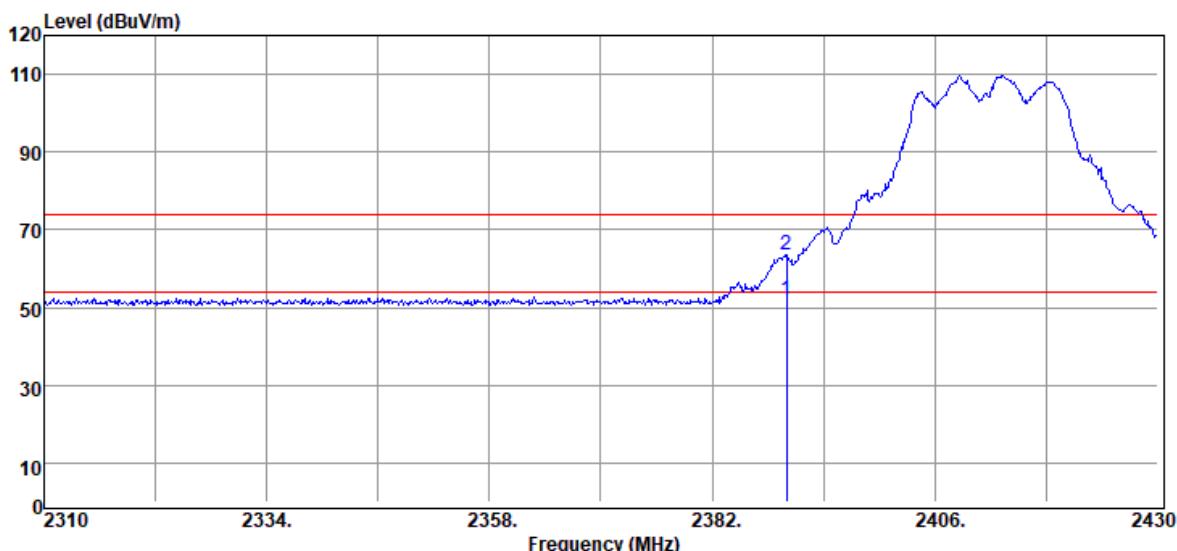
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Report Number :E2/2020/B0009 Test Site :966 Chamber C  
Operation Mode :802.11g Test Date :2020-11-05  
Test Frequency :2412 MHz Temp./Humi. :23.3/61  
Test Mode :BE CH LOW Antenna Pol. :VERTICAL  
EUT Pol :E1 Plan Engineer :Ashton Chiu



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual		Margin dB
				FS	@3m dB $\mu$ V/m	
2390.00	Average	48.31	3.76	52.07	54.00	-1.93
2390.00	Peak	59.61	3.76	63.37	74.00	-10.63

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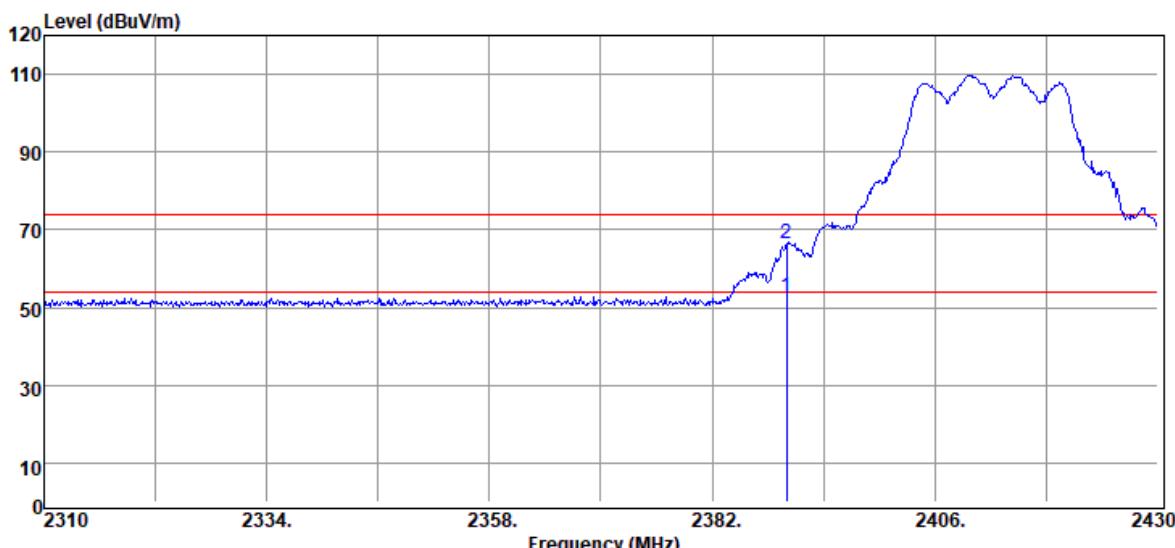
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11g	Test Date	:2020-11-05
Test Frequency	:2412 MHz	Temp./Humi.	:23.3/61
Test Mode	:BE CH LOW	Antenna Pol.	:HORIZONTAL
EUT Pol	:E1 Plan	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin
					Factor dB	Margin dB
2390.00	Average	49.08	3.76	52.84	54.00	-1.16
2390.00	Peak	62.66	3.76	66.42	74.00	-7.58

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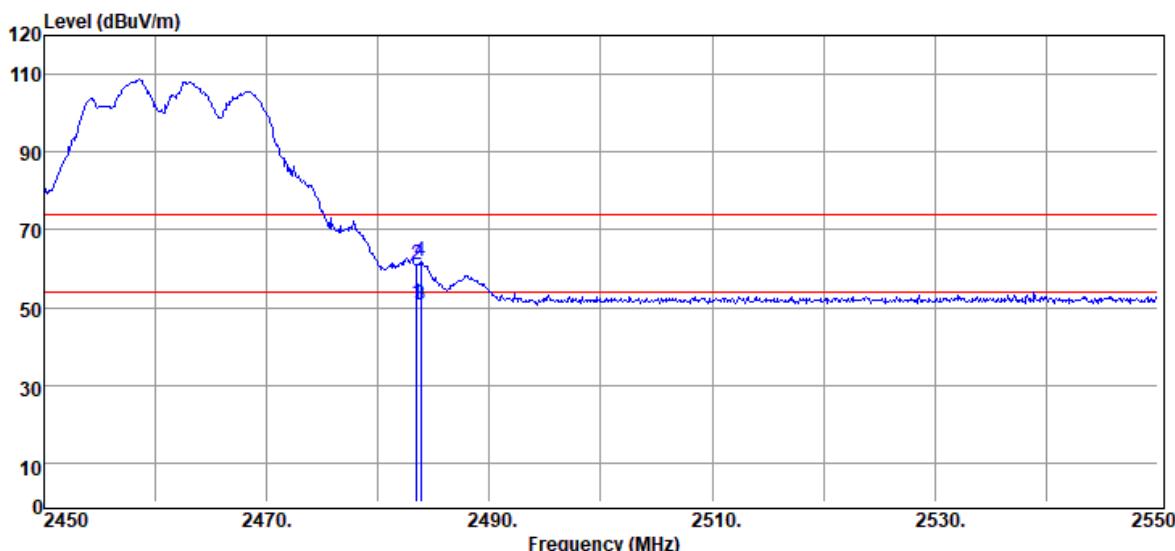
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11g	Test Date	:2020-11-05
Test Frequency	:2462 MHz	Temp./Humi.	:23.3/61
Test Mode	:BE CH HIGH	Antenna Pol.	:VERTICAL
EUT Pol	:E1 Plan	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual	Limit	Margin dB
				FS dB $\mu$ V/m	@3m dB $\mu$ V/m	
2483.50	Average	46.49	4.42	50.91	54.00	-3.09
2483.50	Peak	56.72	4.42	61.14	74.00	-12.86
2483.80	Average	46.07	4.43	50.50	54.00	-3.50
2483.80	Peak	57.41	4.43	61.84	74.00	-12.16

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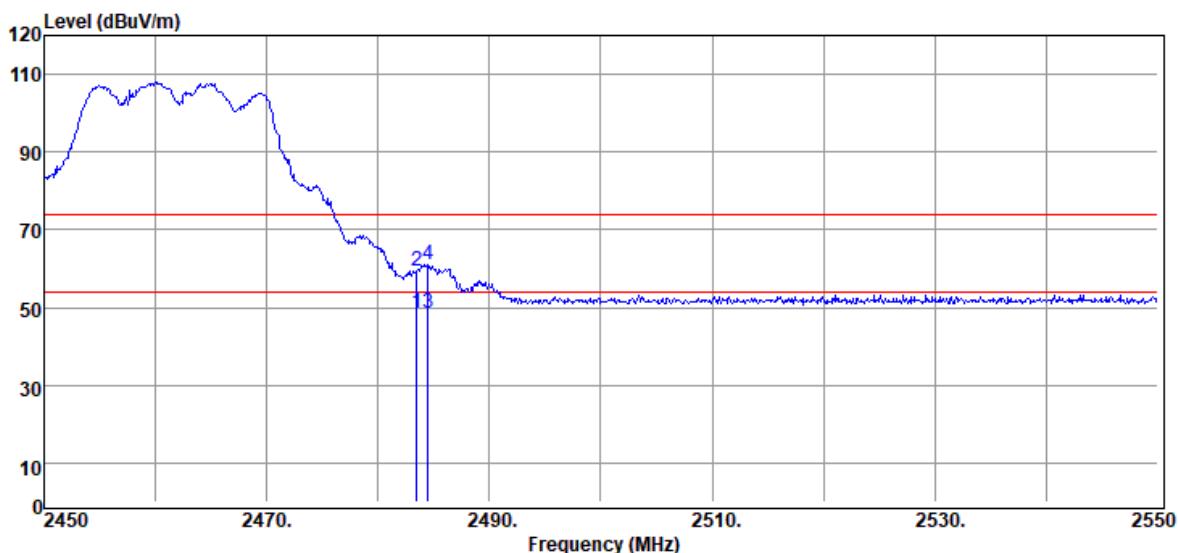
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Report Number :E2/2020/B0009  
 Operation Mode :802.11g  
 Test Frequency :2462 MHz  
 Test Mode :BE CH HIGH  
 EUT Pol :E1 Plan  
 Test Site :966 Chamber C  
 Test Date :2020-11-05  
 Temp./Humi. :23.3/61  
 Antenna Pol. :HORIZONTAL  
 Engineer :Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
					Factor dB	Margin dB
2483.50	Average	44.32	4.42	48.74	54.00	-5.26
2483.50	Peak	54.93	4.42	59.35	74.00	-14.65
2484.50	Average	44.21	4.45	48.66	54.00	-5.34
2484.50	Peak	56.59	4.45	61.04	74.00	-12.96

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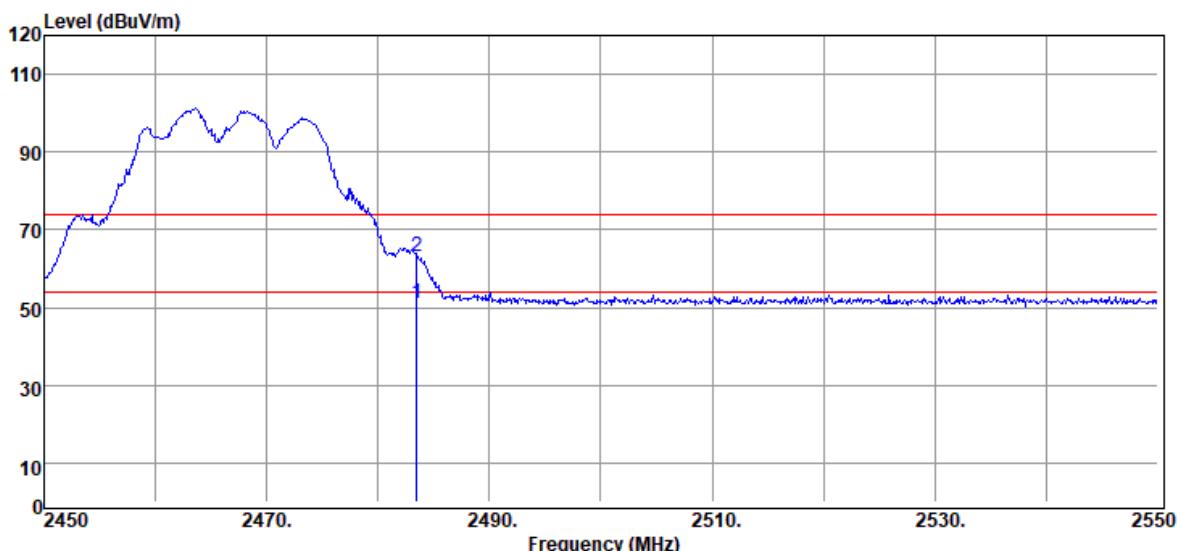
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11g	Test Date	:2020-11-05
Test Frequency	:2467 MHz	Temp./Humi.	:23.3/61
Test Mode	:BE CH 12	Antenna Pol.	:VERTICAL
EUT Pol	:E1 Plan	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual	Limit	Margin dB
				FS dB $\mu$ V/m	@3m dB $\mu$ V/m	
2483.50	Average	46.47	4.42	50.89	54.00	-3.11
2483.50	Peak	58.61	4.42	63.03	74.00	-10.97

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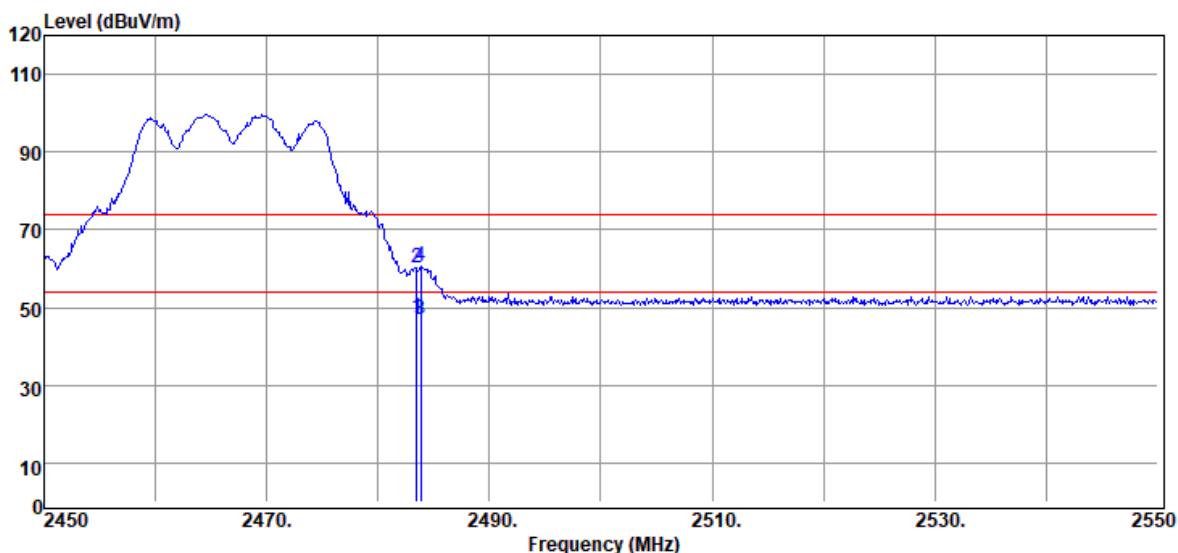
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11g	Test Date	:2020-11-05
Test Frequency	:2467 MHz	Temp./Humi.	:23.3/61
Test Mode	:BE CH 12	Antenna Pol.	:HORIZONTAL
EUT Pol	:E1 Plan	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual	Limit	Margin
				FS	@3m	dB
2483.50	Average	42.90	4.42	47.32	54.00	-6.68
2483.50	Peak	55.74	4.42	60.16	74.00	-13.84
2483.80	Average	42.45	4.43	46.88	54.00	-7.12
2483.80	Peak	56.25	4.43	60.68	74.00	-13.32

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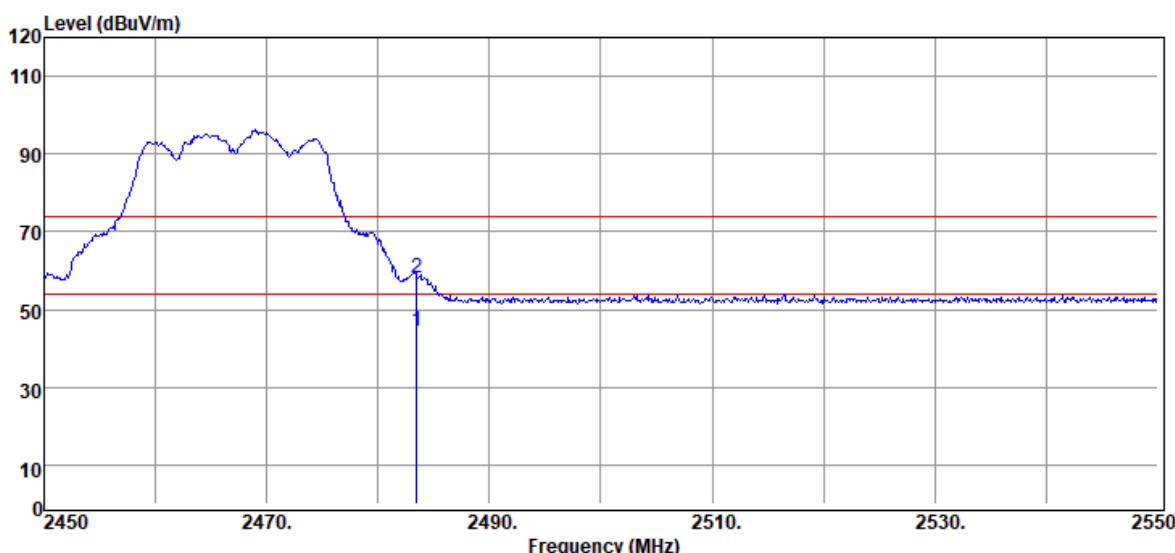
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11g	Test Date	:2020-11-05
Test Frequency	:2472 MHz	Temp./Humi.	:23.3/61
Test Mode	:BE CH 13	Antenna Pol.	:HORIZONTAL
EUT Pol	:E1 Plan	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin
					Factor dB	Margin dB
2483.50	Average	39.98	4.42	44.40	54.00	-9.60
2483.50	Peak	53.85	4.42	58.27	74.00	-15.73

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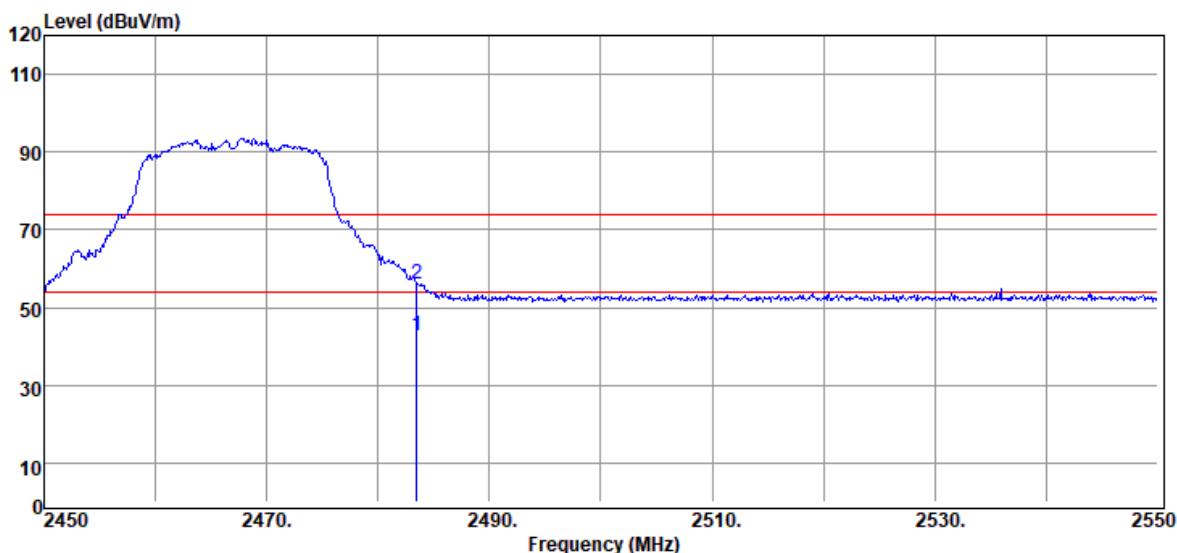
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Report Number :E2/2020/B0009 Test Site :966 Chamber C  
Operation Mode :802.11g Test Date :2020-11-05  
Test Frequency :2472 MHz Temp./Humi. :23.3/61  
Test Mode :BE CH 13 Antenna Pol. :VERTICAL  
EUT Pol :E1 Plan Engineer :Ashton Chiu



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual	Limit	Margin dB
				FS dB $\mu$ V/m	@3m dB $\mu$ V/m	
2483.50	Average	38.27	4.42	42.69	54.00	-11.31
2483.50	Peak	51.80	4.42	56.22	74.00	-17.78

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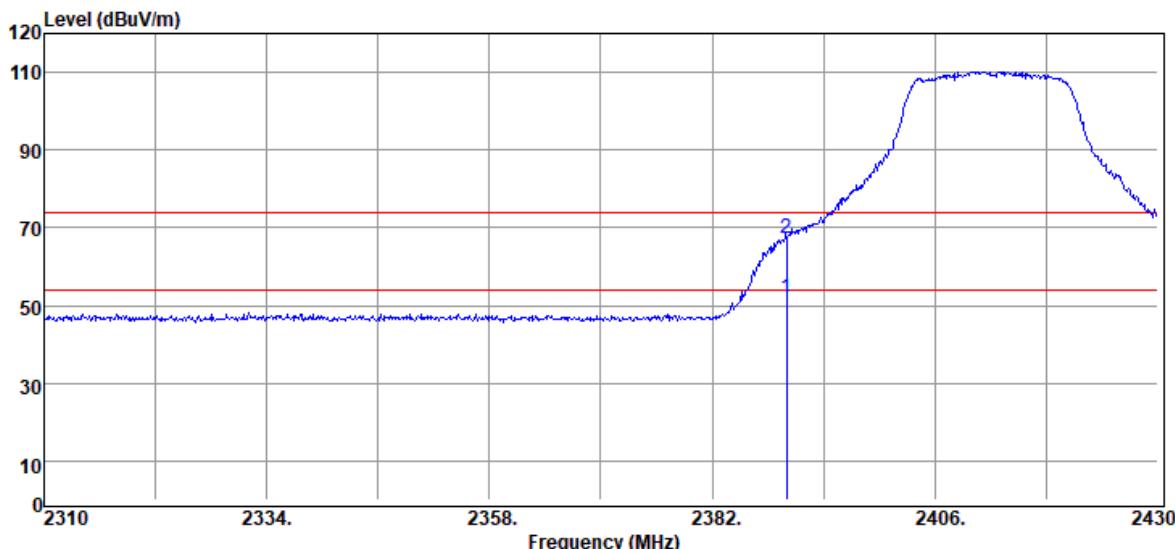
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11n20	Test Date	:2020-11-04
Test Frequency	:2412 MHz	Temp./Humi.	:23.2/56
Test Mode	:BE CH LOW	Antenna Pol.	:HORIZONTAL
EUT Pol	:E1 Plan	Engineer	:Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
					Factor dB	Margin dB
2390.00	Average	47.97	3.76	51.73	54.00	-2.27
2390.00	Peak	63.58	3.76	67.34	74.00	-6.66

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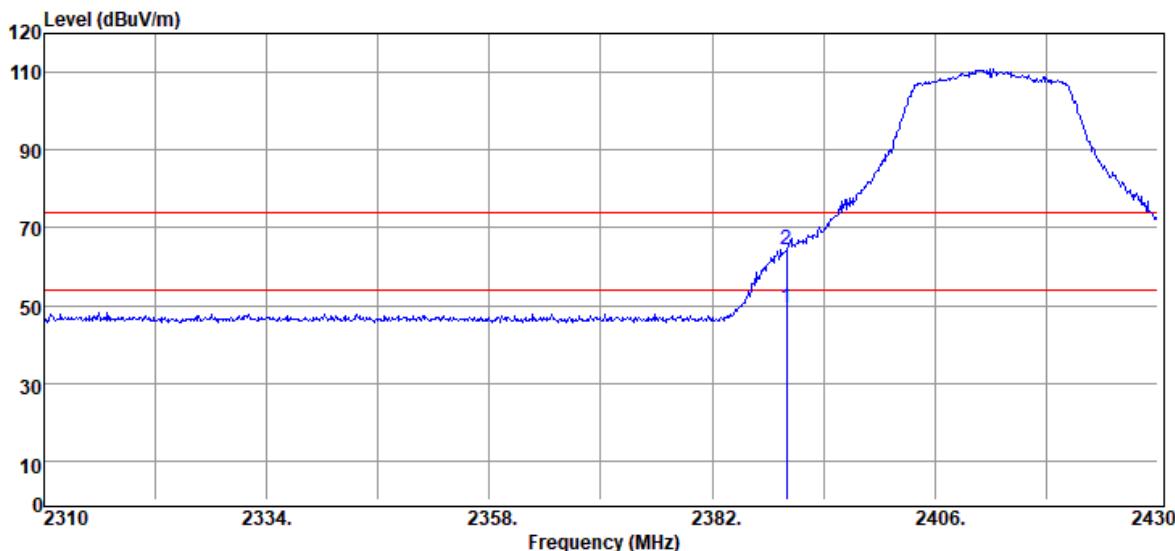
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11n20	Test Date	:2020-11-04
Test Frequency	:2412 MHz	Temp./Humi.	:23.2/56
Test Mode	:BE CH LOW	Antenna Pol.	:VERTICAL
EUT Pol	:E1 Plan	Engineer	:Enzo Chang



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual	Limit	Margin dB
				FS dB $\mu$ V/m	@3m dB $\mu$ V/m	
2390.00	Average	45.80	3.76	49.56	54.00	-4.44
2390.00	Peak	60.48	3.76	64.24	74.00	-9.76

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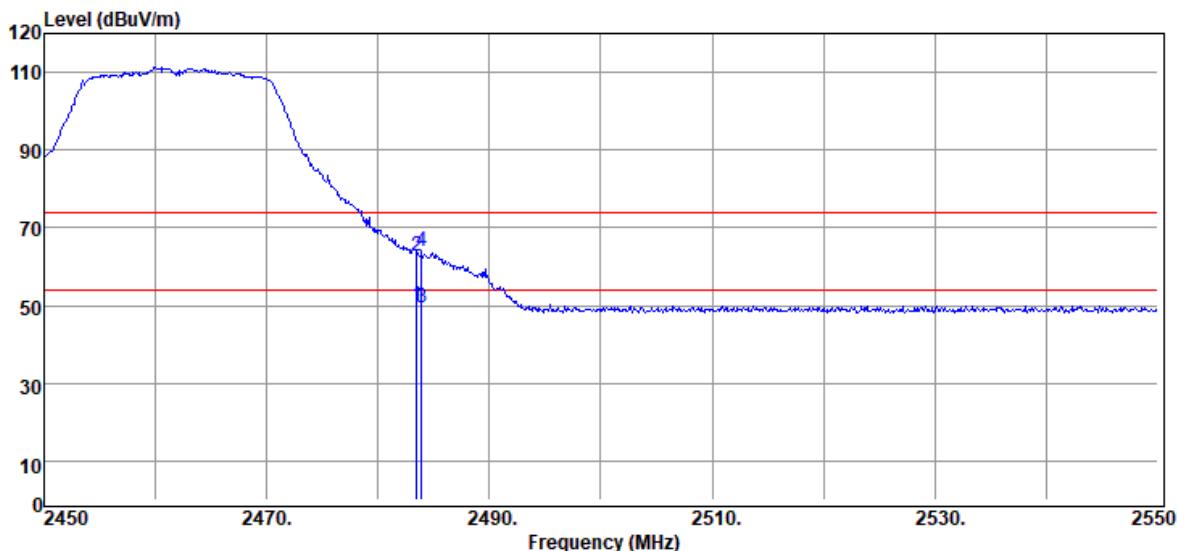
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11n20	Test Date	:2020-11-04
Test Frequency	:2462 MHz	Temp./Humi.	:23.1/57
Test Mode	:BE CH HIGH	Antenna Pol.	:HORIZONTAL
EUT Pol	:E1 Plan	Engineer	:Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual	Limit	Margin dB
				FS dB $\mu$ V/m	@3m dB $\mu$ V/m	
2483.50	Average	45.21	4.42	49.63	54.00	-4.37
2483.50	Peak	58.41	4.42	62.83	74.00	-11.17
2483.90	Average	45.09	4.44	49.53	54.00	-4.47
2483.90	Peak	59.56	4.44	64.00	74.00	-10.00

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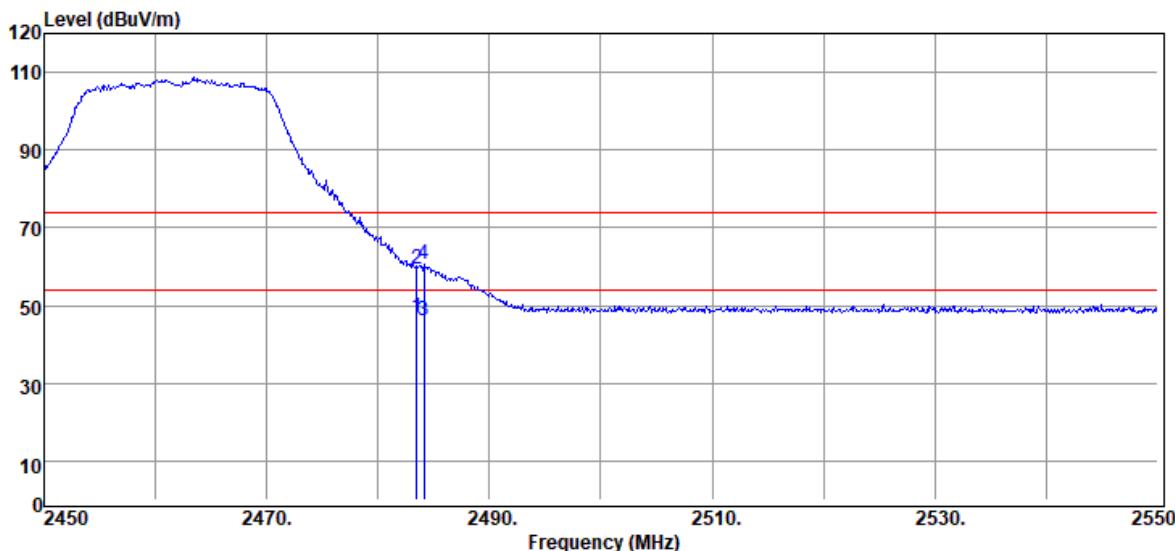
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11n20	Test Date	:2020-11-04
Test Frequency	:2462 MHz	Temp./Humi.	:23.1/57
Test Mode	:BE CH HIGH	Antenna Pol.	:VERTICAL
EUT Pol	:E1 Plan	Engineer	:Enzo Chang



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual	Limit	Margin dB
				FS dB $\mu$ V/m	@3m dB $\mu$ V/m	
2483.50	Average	42.46	4.42	46.88	54.00	-7.12
2483.50	Peak	55.10	4.42	59.52	74.00	-14.48
2484.10	Average	41.71	4.45	46.16	54.00	-7.84
2484.10	Peak	56.07	4.45	60.52	74.00	-13.48

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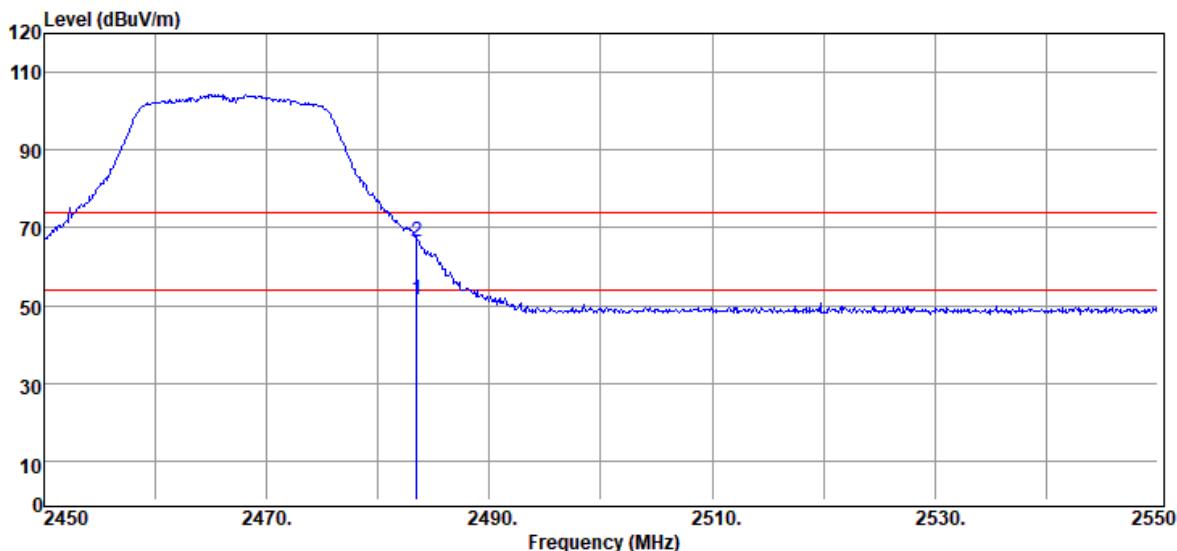
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11n20	Test Date	:2020-11-04
Test Frequency	:2467 MHz	Temp./Humi.	:23.3/58
Test Mode	:BE CH 12	Antenna Pol.	:HORIZONTAL
EUT Pol	:E1 Plan	Engineer	:Enzo Chang



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
					dB $\mu$ V/m	dB
2483.50	Average	46.86	4.42	51.28	54.00	-2.72
2483.50	Peak	61.96	4.42	66.38	74.00	-7.62

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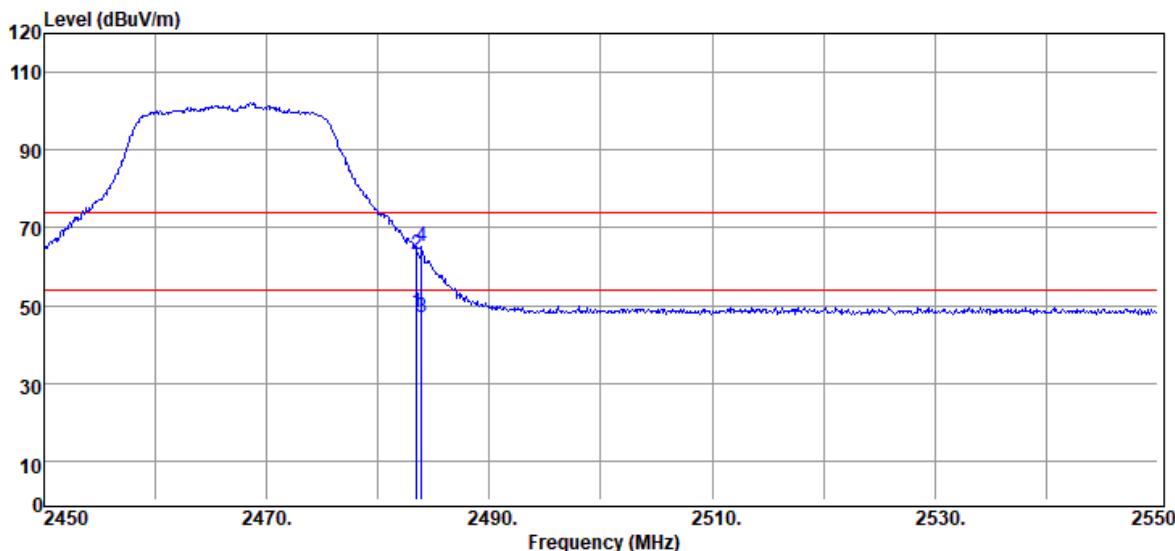
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11n20	Test Date	:2020-11-04
Test Frequency	:2467 MHz	Temp./Humi.	:23.3/58
Test Mode	:BE CH 12	Antenna Pol.	:VERTICAL
EUT Pol	:E1 Plan	Engineer	:Enzo Chang



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual	Limit	Margin dB
				FS dB $\mu$ V/m	@3m dB $\mu$ V/m	
2483.50	Average	43.72	4.42	48.14	54.00	-5.86
2483.50	Peak	58.89	4.42	63.31	74.00	-10.69
2483.90	Average	42.56	4.44	47.00	54.00	-7.00
2483.90	Peak	60.70	4.44	65.14	74.00	-8.86

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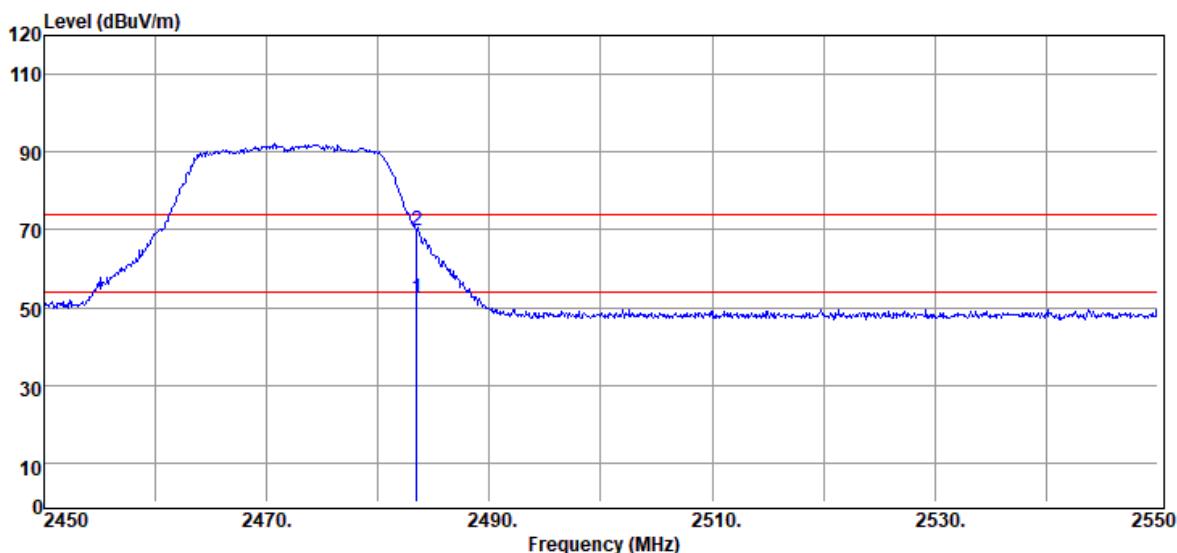
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Report Number :E2/2020/B0009 Test Site :966 Chamber C  
Operation Mode :802.11n20 Test Date :2020-11-05  
Test Frequency :2472 MHz Temp./Humi. :22.3/64  
Test Mode :BE CH 13 Antenna Pol. :HORIZONTAL  
EUT Pol :E1 Plan Engineer :Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit dB $\mu$ V/m	Margin dB
					Limit dB $\mu$ V/m	
2483.50	Average	48.04	4.42	52.46	54.00	-1.54
2483.50	Peak	65.33	4.42	69.75	74.00	-4.25

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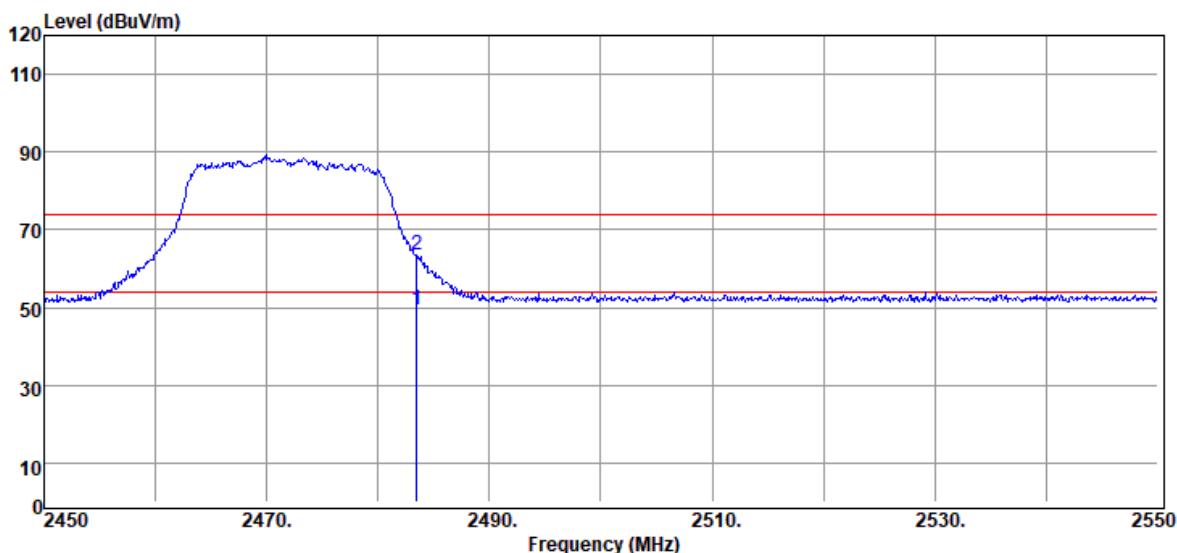
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11n20	Test Date	:2020-11-05
Test Frequency	:2472 MHz	Temp./Humi.	:22.3/64
Test Mode	:BE CH 13	Antenna Pol.	:VERTICAL
EUT Pol	:E1 Plan	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual	Limit	Margin
				FS dB $\mu$ V/m	@3m dB $\mu$ V/m	dB
2483.50	Average	44.89	4.42	49.31	54.00	-4.69
2483.50	Peak	59.22	4.42	63.64	74.00	-10.36

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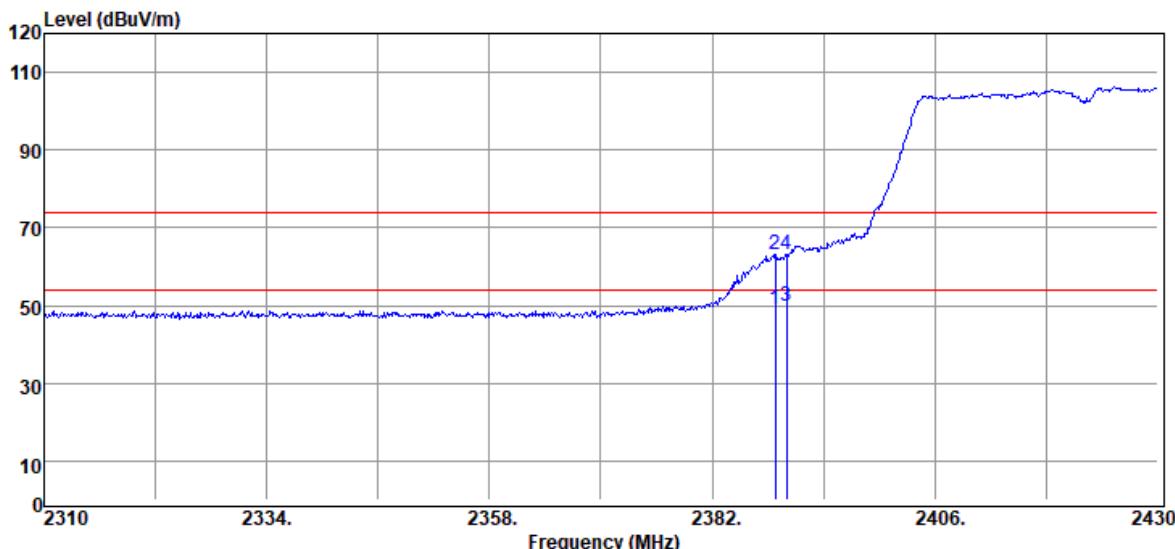
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Report Number :E2/2020/B0009  
 Operation Mode :802.11n40  
 Test Frequency :2422 MHz  
 Test Mode :BE CH LOW  
 EUT Pol :E1 Plan

Test Site :966 Chamber C  
 Test Date :2020-11-04  
 Temp./Humi. :23.3/58  
 Antenna Pol. :HORIZONTAL  
 Engineer :Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m	Margin
					Limit @3m	Margin
2388.84	Average	45.25	3.77	49.02	54.00	-4.98
2388.84	Peak	59.33	3.77	63.10	74.00	-10.90
2390.00	Average	46.25	3.76	50.01	54.00	-3.99
2390.00	Peak	59.16	3.76	62.92	74.00	-11.08

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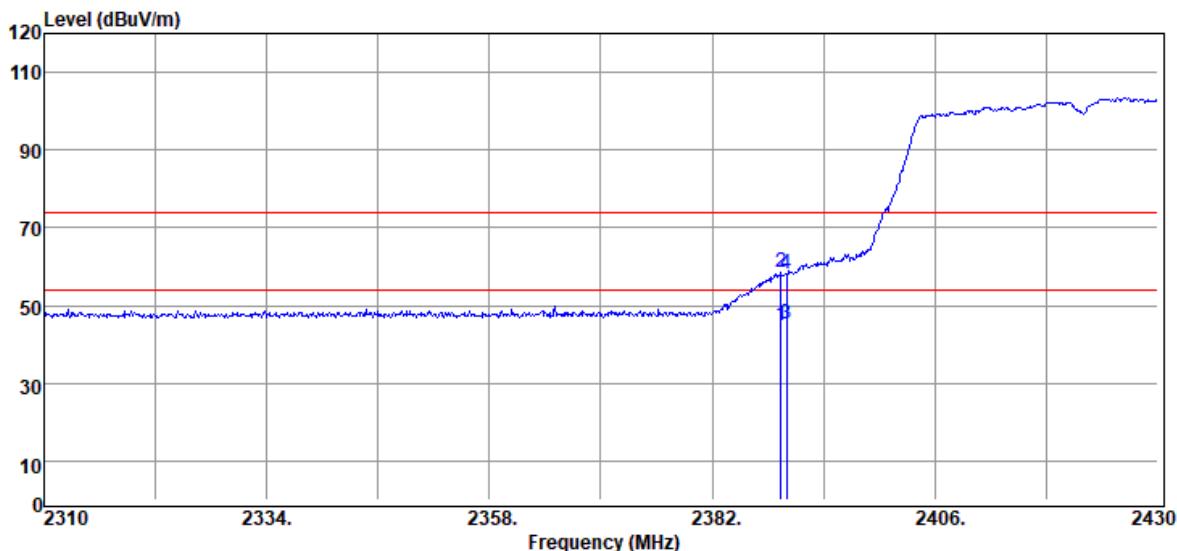
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11n40	Test Date	:2020-11-04
Test Frequency	:2422 MHz	Temp./Humi.	:23.3/58
Test Mode	:BE CH LOW	Antenna Pol.	:VERTICAL
EUT Pol	:E1 Plan	Engineer	:Enzo Chang



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual	Limit	Margin dB
				FS dB $\mu$ V/m	@3m dB $\mu$ V/m	
2389.44	Average	40.92	3.76	44.68	54.00	-9.32
2389.44	Peak	54.69	3.76	58.45	74.00	-15.55
2390.00	Average	41.40	3.76	45.16	54.00	-8.84
2390.00	Peak	54.36	3.76	58.12	74.00	-15.88

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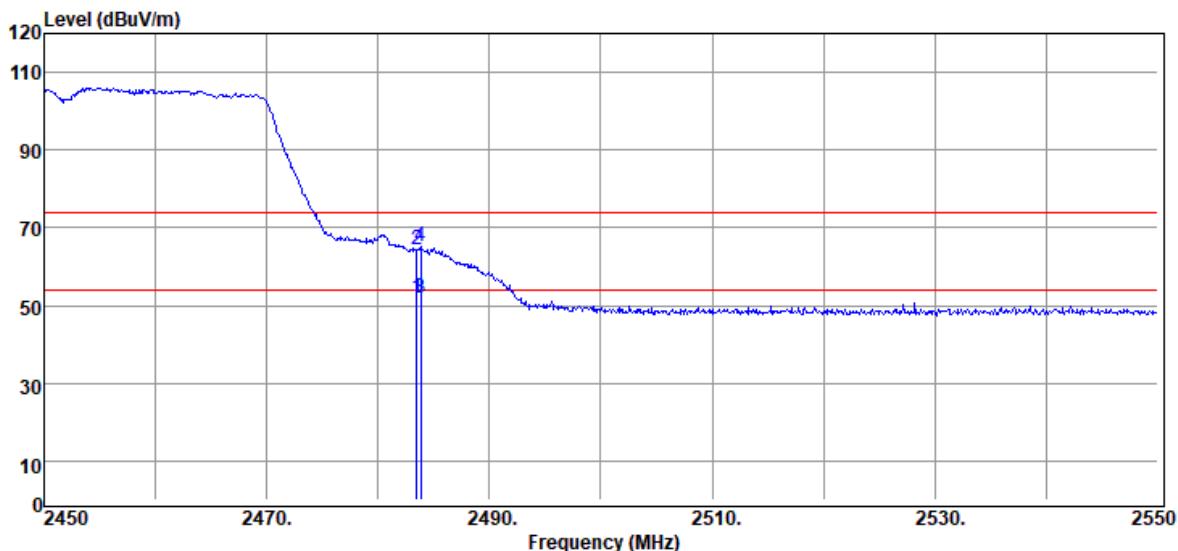
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11n40	Test Date	:2020-11-04
Test Frequency	:2452 MHz	Temp./Humi.	:23.3/58
Test Mode	:BE CH HIGH	Antenna Pol.	:HORIZONTAL
EUT Pol	:E1 Plan	Engineer	:Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual	Limit	Margin
				FS dB $\mu$ V/m	@3m dB $\mu$ V/m	dB
2483.50	Average	47.42	4.42	51.84	54.00	-2.16
2483.50	Peak	59.98	4.42	64.40	74.00	-9.60
2483.80	Average	47.28	4.43	51.71	54.00	-2.29
2483.80	Peak	60.77	4.43	65.20	74.00	-8.80

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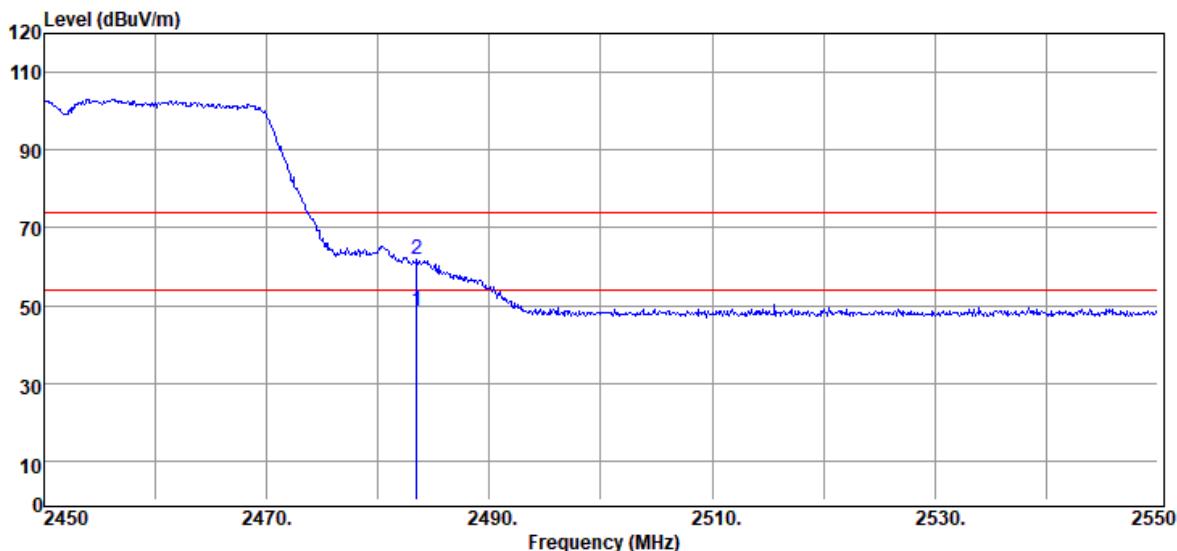
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11n40	Test Date	:2020-11-04
Test Frequency	:2452 MHz	Temp./Humi.	:23.3/58
Test Mode	:BE CH HIGH	Antenna Pol.	:VERTICAL
EUT Pol	:E1 Plan	Engineer	:Enzo Chang



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual	Limit	Margin dB
				FS dB $\mu$ V/m	@3m dB $\mu$ V/m	
2483.50	Average	44.14	4.42	48.56	54.00	-5.44
2483.50	Peak	57.41	4.42	61.83	74.00	-12.17

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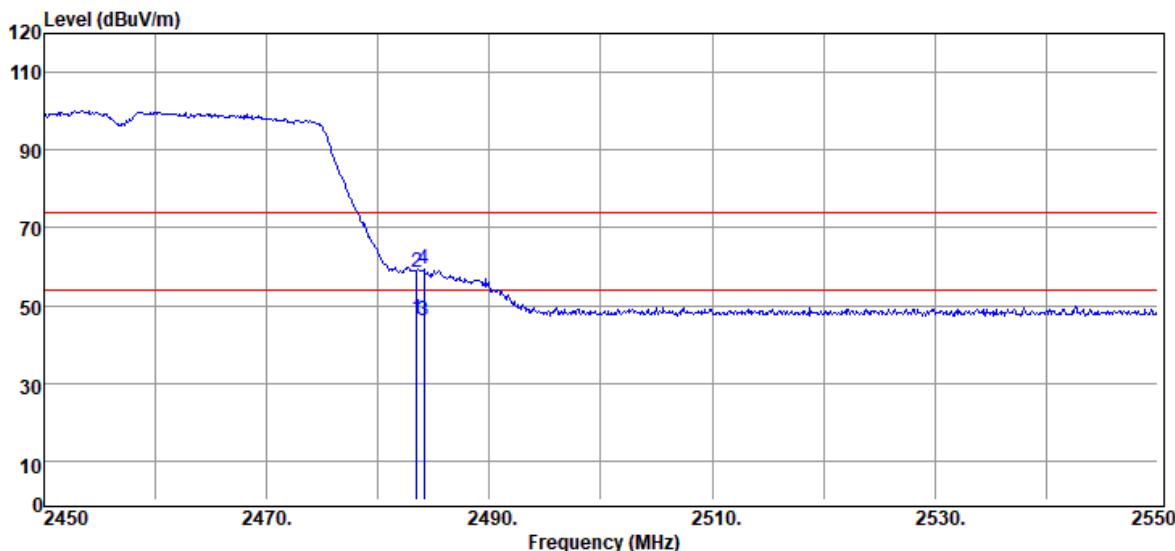
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Report Number :E2/2020/B0009  
 Operation Mode :802.11n40  
 Test Frequency :2457 MHz  
 Test Mode :BE CH 10  
 EUT Pol :E1 Plan

Test Site :966 Chamber C  
 Test Date :2020-11-04  
 Temp./Humi. :23.3/58  
 Antenna Pol. :HORIZONTAL  
 Engineer :Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
					Factor dB	Margin dB
2483.50	Average	42.07	4.42	46.49	54.00	-7.51
2483.50	Peak	54.31	4.42	58.73	74.00	-15.27
2484.10	Average	41.63	4.45	46.08	54.00	-7.92
2484.10	Peak	55.00	4.45	59.45	74.00	-14.55

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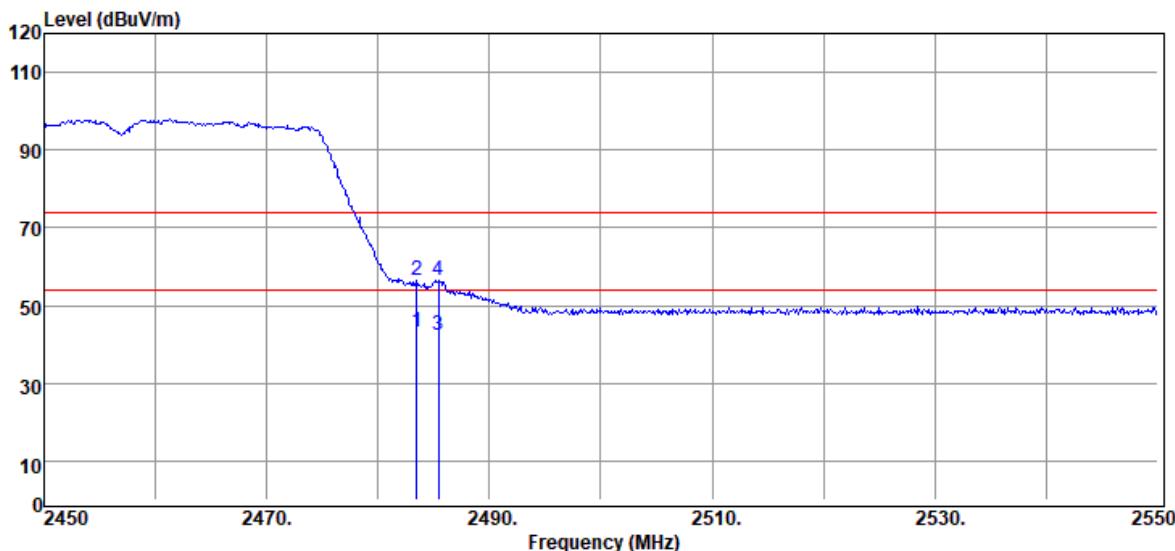
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11n40	Test Date	:2020-11-04
Test Frequency	:2457 MHz	Temp./Humi.	:23.3/58
Test Mode	:BE CH 10	Antenna Pol.	:VERTICAL
EUT Pol	:E1 Plan	Engineer	:Enzo Chang



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual	Limit	Margin dB
				FS dB $\mu$ V/m	@3m dB $\mu$ V/m	
2483.50	Average	38.89	4.42	43.31	54.00	-10.69
2483.50	Peak	51.94	4.42	56.36	74.00	-17.64
2485.40	Average	37.71	4.45	42.16	54.00	-11.84
2485.40	Peak	52.11	4.45	56.56	74.00	-17.44

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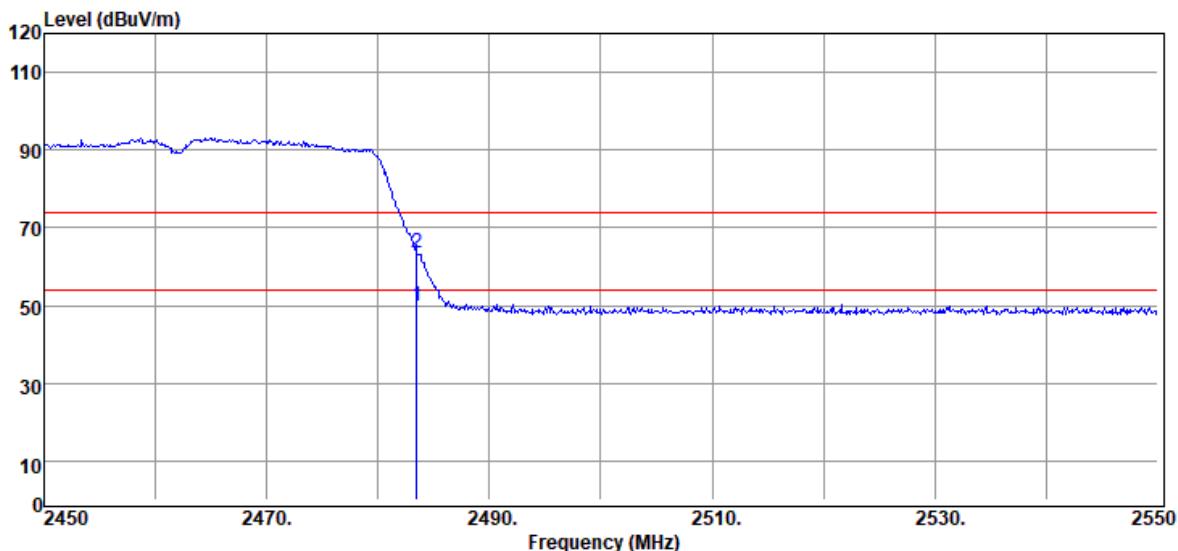
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Report Number :E2/2020/B0009 Test Site :966 Chamber C  
Operation Mode :802.11n40 Test Date :2020-11-04  
Test Frequency :2462 MHz Temp./Humi. :23.3/58  
Test Mode :BE CH 11 Antenna Pol. :HORIZONTAL  
EUT Pol :E1 Plan Engineer :Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
					Limit @3m dB $\mu$ V/m	Margin dB
2483.50	Average	45.42	4.42	49.84	54.00	-4.16
2483.50	Peak	58.93	4.42	63.35	74.00	-10.65

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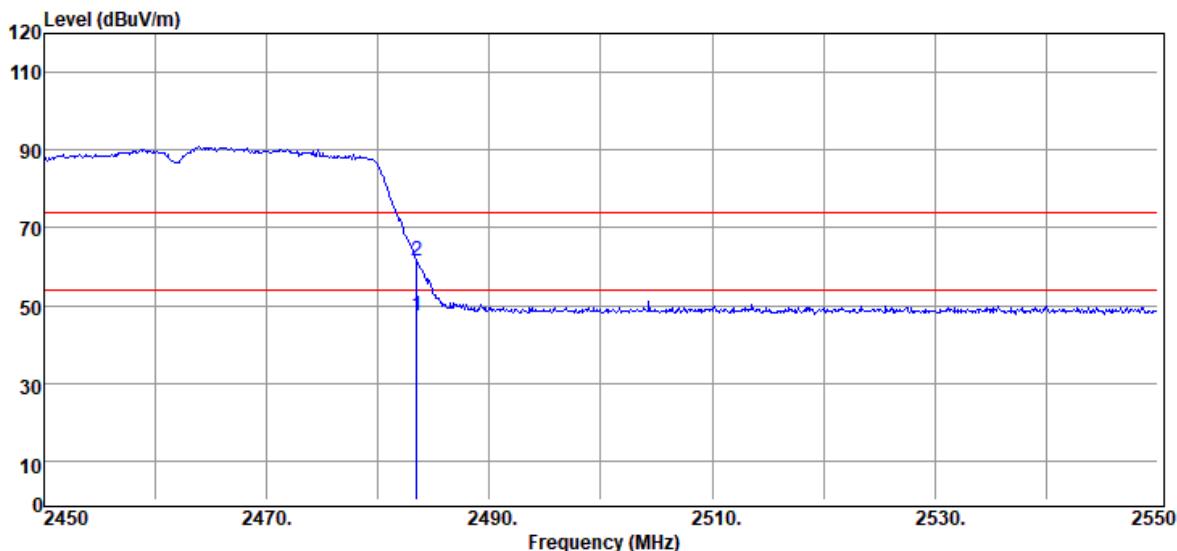
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Report Number :E2/2020/B0009 Test Site :966 Chamber C  
Operation Mode :802.11n40 Test Date :2020-11-04  
Test Frequency :2462 MHz Temp./Humi. :23.3/58  
Test Mode :BE CH 11 Antenna Pol. :VERTICAL  
EUT Pol :E1 Plan Engineer :Enzo Chang



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual	Limit	Margin dB
				FS dB $\mu$ V/m	@3m dB $\mu$ V/m	
2483.50	Average	42.80	4.42	47.22	54.00	-6.78
2483.50	Peak	57.04	4.42	61.46	74.00	-12.54

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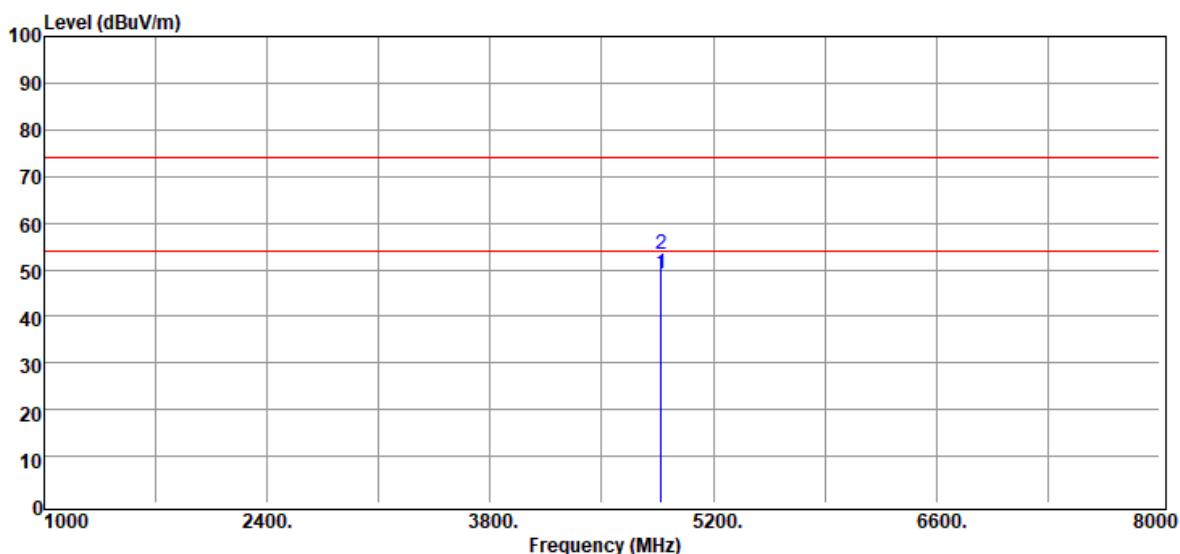
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### 7.7.2 Below 1GHz Worst-Case Emission:

#### NB Mode

Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11b	Test Date	:2020-11-25
Test Frequency	:2437 MHz	Temp./Humi.	:21.8/69
Test Mode	:TX CH MID	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plan	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual	Limit	Margin dB
				FS dB $\mu$ V/m	@3m dB $\mu$ V/m	
4874.00	Average	35.06	14.19	49.25	54.00	-4.75
4874.00	Peak	39.02	14.19	53.21	74.00	-20.79

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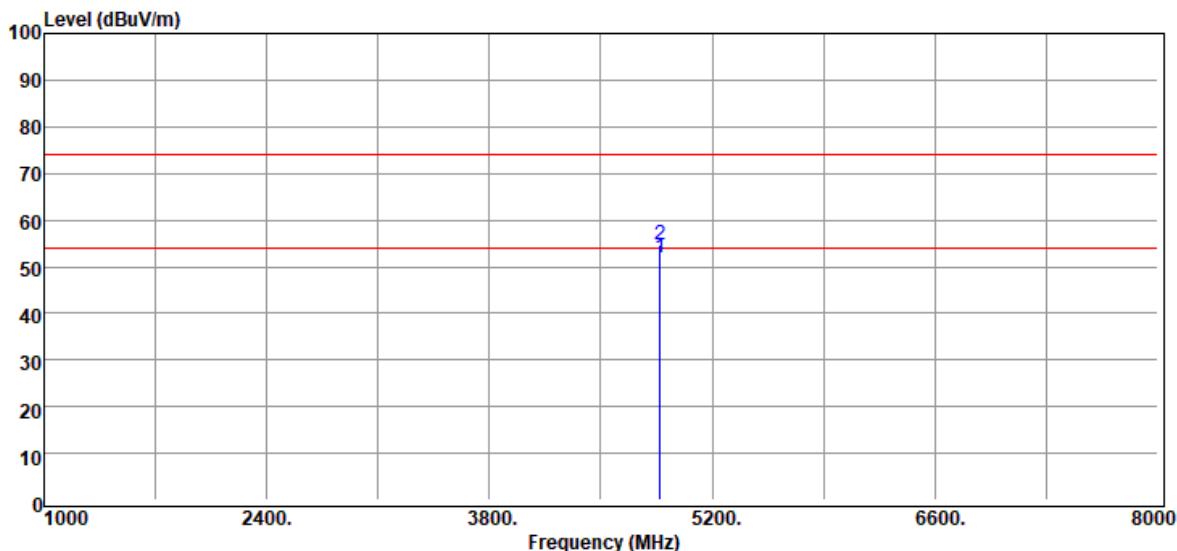
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Report Number :E2/2020/B0009  
 Operation Mode :802.11b  
 Test Frequency :2437 MHz  
 Test Mode :TX CH MID  
 EUT Pol :NB Plan

Test Site :966 Chamber C  
 Test Date :2020-11-25  
 Temp./Humi. :21.8/69  
 Antenna Pol. :HORIZONTAL  
 Engineer :Ashton Chiu



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor	Actual FS dB $\mu$ V/m	Limit @3m	Margin dB
					dB $\mu$ V/m	
4874.00	Average	37.55	14.19	51.74	54.00	-2.26
4874.00	Peak	40.54	14.19	54.73	74.00	-19.27

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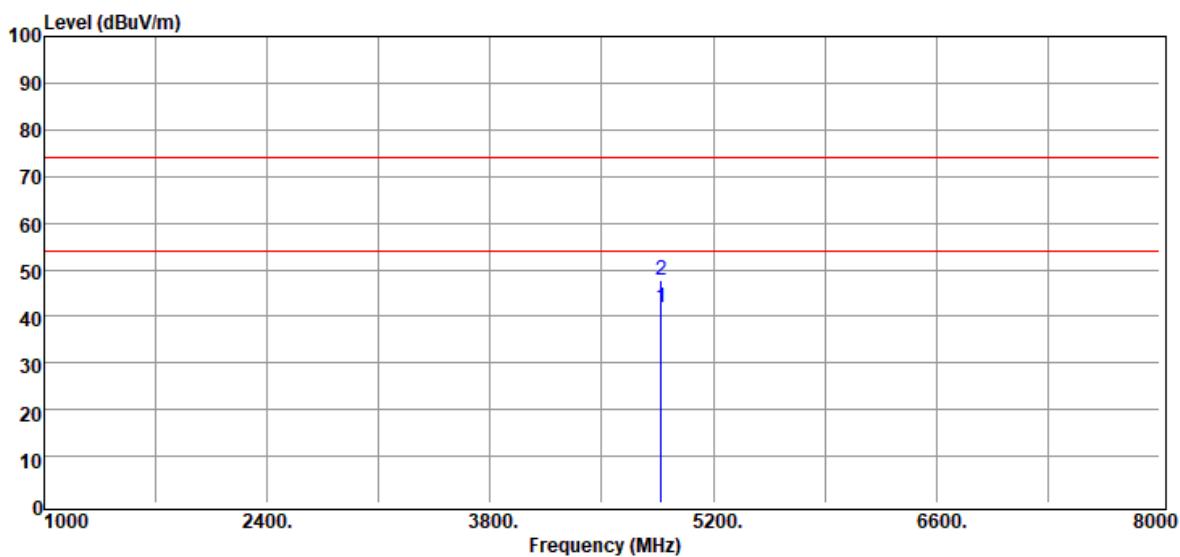
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**Tablet Mode**

Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11b	Test Date	:2020-11-25
Test Frequency	:2437 MHz	Temp./Humi.	:21.8/69
Test Mode	:TX CH MID	Antenna Pol.	:VERTICAL
EUT Pol	:E1 Plan	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual	Limit @3m dB $\mu$ V/m	Margin dB
				FS dB $\mu$ V/m		
4874.00	Average	27.85	14.19	42.04	54.00	-11.96
4874.00	Peak	33.70	14.19	47.89	74.00	-26.11

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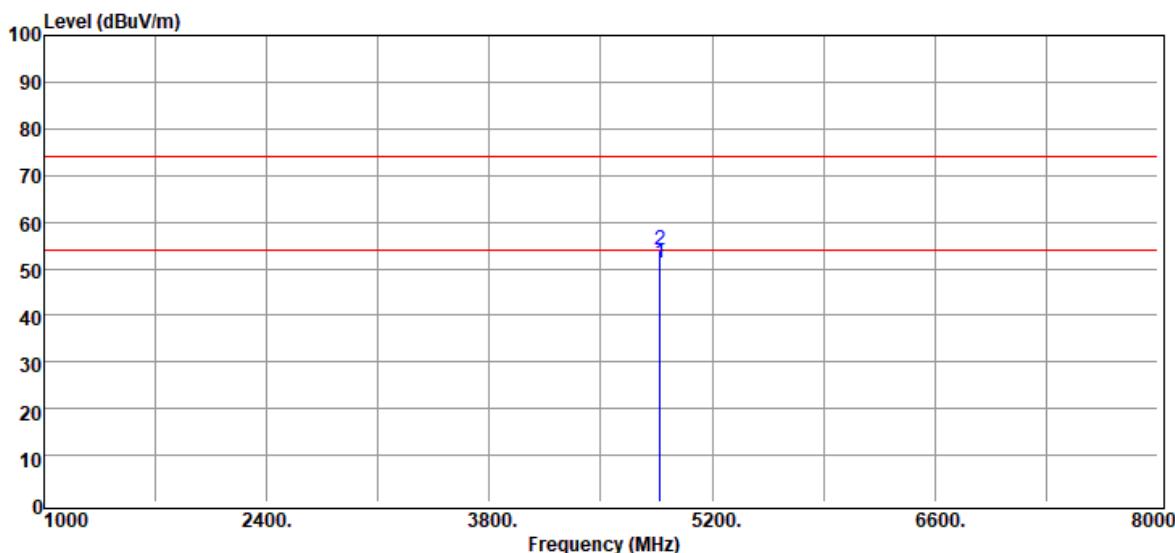
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Report Number	:E2/2020/B0009	Test Site	:966 Chamber C
Operation Mode	:802.11b	Test Date	:2020-11-25
Test Frequency	:2437 MHz	Temp./Humi.	:21.8/69
Test Mode	:TX CH MID	Antenna Pol.	:HORIZONTAL
EUT Pol	:E1 Plan	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual	Limit	Margin
				FS dB $\mu$ V/m	@3m dB $\mu$ V/m	dB
4873.96	Average	37.12	14.19	51.31	54.00	-2.69
4874.00	Peak	39.87	14.19	54.06	74.00	-19.94

*~ End of Report ~*

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