

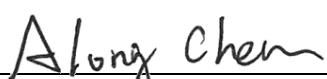


# FCC Test Report

**FCC ID** : HDC-17600079  
**Equipment** : WiFi 7 10G Mesh AP  
**Model No.** : SDG-8733A  
**Brand Name** : Adtran  
**Applicant** : Adtran  
**Address** : 901 Explorer Boulevard, Huntsville, Alabama,  
United States, 35806-2807  
**Standard** : 47 CFR FCC Part 15.247  
**Received Date** : Jul. 12, 2024  
**Tested Date** : Sep. 20 ~ Oct. 28, 2024

We, International Certification Corporation, would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It shall not be reproduced except in full without the written approval of our laboratory.

Reviewed by:



Along Chen / Assistant Manager

Approved by:



Gary Chang / Manager

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**Appendix A. 6dB and Occupied Bandwidth**

**Appendix B. Conducted Output Power**

**Appendix C. Power Spectral Density**

**Appendix D. Unwanted Emissions into Restricted Frequency Bands**

**Appendix E. Emissions in Non-Restricted Frequency Bands**

**Appendix F. AC Power Line Conducted Emissions**

## Release Record

Report No.	Version	Description	Issued Date
FR471203AC	Rev. 01	Initial issue	Feb. 18, 2025

## Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	AC Power Line Conducted Emission	[dBuV]: 0.442MHz 40.71 (Margin -6.31dB) - AV	Pass
15.247(d) 15.209	Unwanted Emissions	[dBuV/m at 3m]: 2377.00MHz 53.68 (Margin -0.32dB) - AV	Pass
15.247(b)(3)	Conducted Output Power	<b>Non-beamforming mode</b> Max Power [dBm]: 25.99 <b>Beamforming mode</b> Max Power [dBm]: 24.26	Pass
15.247(a)(2)	6dB Bandwidth	Meet the requirement of limit	Pass
15.247(e)	Power Spectral Density	Meet the requirement of limit	Pass
15.203	Antenna Requirement	Meet the requirement of limit	Pass

### Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

### Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

## 1 General Description

### 1.1 Information

#### 1.1.1 Specification of the Equipment under Test (EUT)

RF General Information					
Frequency Range (MHz)	IEEE Std. 802.11	Ch. Freq. (MHz)	Channel Number	Transmit Chains (N <sub>TX</sub> )	Data Rate / MCS
2400-2483.5	b	2412-2462	1-11 [11]	2	1-11 Mbps
2400-2483.5	g	2412-2462	1-11 [11]	2	6-54 Mbps
2400-2483.5	n (HT20)	2412-2462	1-11 [11]	2	MCS 0-15
2400-2483.5	n (HT40)	2422-2452	3-9 [7]	2	MCS 0-15
2400-2483.5	ax (HE20)	2412-2462	1-11 [11]	2	MCS 0-11
2400-2483.5	ax (HE40)	2422-2452	3-9 [7]	2	MCS 0-11
2400-2483.5	be (EHT20)	2412-2462	1-11 [11]	2	MCS 0-13
2400-2483.5	be (EHT40)	2422-2452	3-9 [7]	2	MCS 0-13

Note 1: RF output power specifies that Maximum Conducted (Average) Output Power.  
 Note 2: DBPSK, DQPSK, CCK modulation  
 BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM and 4096QAM modulation.

#### 1.1.2 Antenna Details

Model	Type	Connector	Operating Frequencies (MHz) / Antenna Gain (dBi)				
			2400~2483.5	5150~5250	5250~5350	5470~5725	5725~5850
DB1	Dipole	UFL	3.032	4.184	4.184	4.317	4.428
DB2	Dipole	UFL	3.005	3.183	3.182	3.722	3.722
5G3	Dipole	UFL	---	4.413	4.413	4.418	4.418

#### 1.1.3 Configuration of Equipment under Test (EUT)

Power Supply Type	15Vdc from adapter	
Beamforming	<input checked="" type="checkbox"/> Support	<input type="checkbox"/> Not support
RU Configuration	<input checked="" type="checkbox"/> Full RU	<input type="checkbox"/> Partial RU

### 1.1.4 Accessories

Accessories		
No.	Equipment	Description
1	AC adapter	Brand: LUCENT TRANS Model: 1A78 I/P: 100-240Vac, 50/60Hz, 1.2A O/P: 15V= 3.0A, 45.0W Power Line: USB 1.8m non-shielded without core
2	AC adapter	Brand: PHIHONG Model: AA45A-59FKD I/P: 100-240Vac, 50/60Hz, 1.2A O/P: 15V= 3.0A, 45.0W Power Line: USB 1.8m non-shielded without core
3	RJ45	2m non-shielded without core

### 1.1.5 Channel List

Frequency band (MHz)		2400~2483.5	
802.11 b / g / n HT20 / ax HE20 / be EHT20		802.11n HT40 / ax HE40 / be EHT40	
Channel	Frequency(MHz)	Channel	Frequency(MHz)
1	2412	3	2422
2	2417	4	2427
3	2422	5	2432
4	2427	6	2437
5	2432	7	2442
6	2437	8	2447
7	2442	9	2452
8	2447	---	---
9	2452	---	---
10	2457	---	---
11	2462	---	---

### 1.1.6 Test Tool and Duty Cycle

<b>Test Tool</b>	Non-beamforming: QATool, version: 0.0.2.99 Beamforming: Putty, version: 0.6				
<b>Duty Cycle and Duty Factor</b>	<b>Mode</b>	<b>Non-beamforming</b>		<b>Beamforming</b>	
		<b>Duty cycle (%)</b>	<b>Duty factor (dB)</b>	<b>Duty cycle (%)</b>	<b>Duty factor (dB)</b>
	11b	99.13%	0.04	---	---
	11g	98.44%	0.07	---	---
	be EHT20	98.35%	0.07	98.74%	0.05
	be EHT40	97.76%	0.10	97.98%	0.09

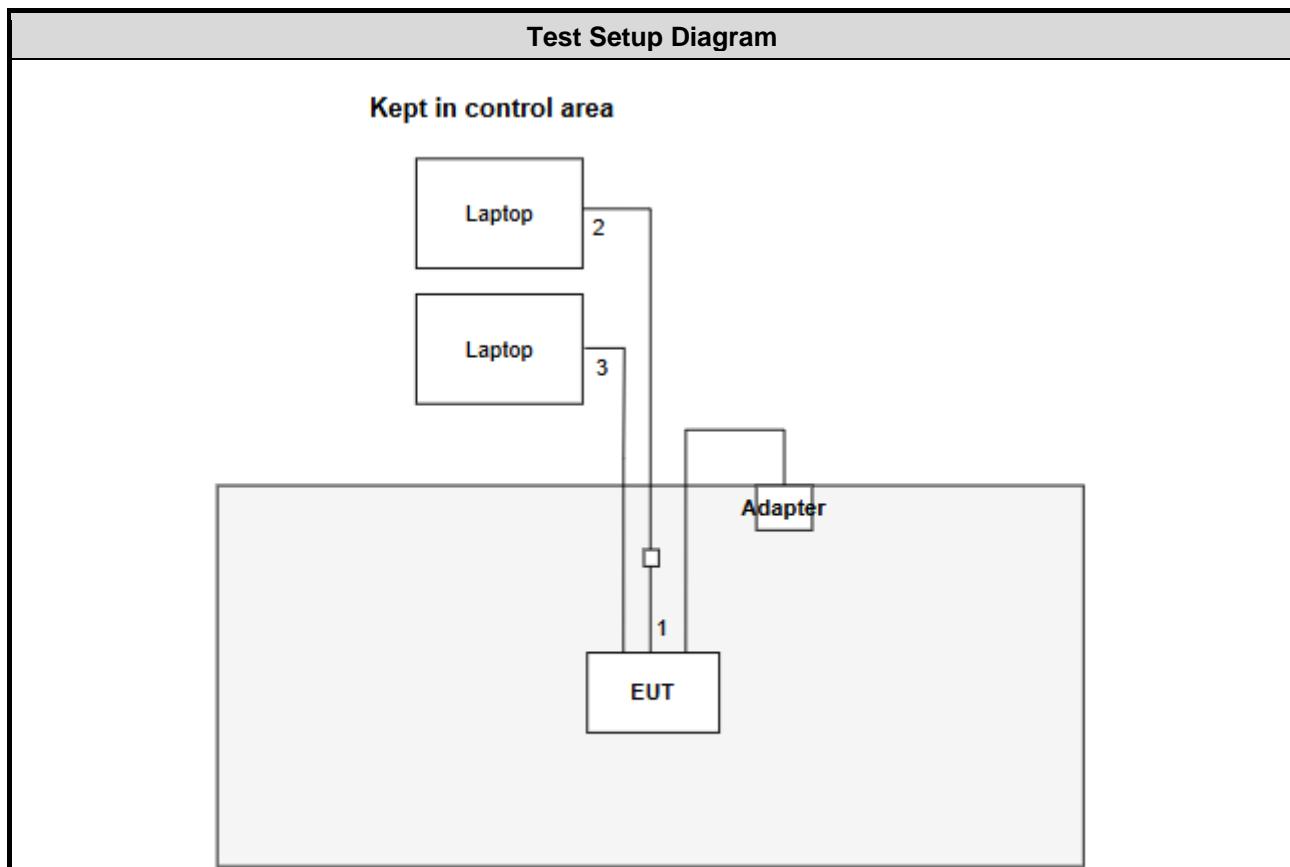
### 1.1.7 Power Index of Test Tool

<b>Modulation Mode</b>	<b>Test Frequency (MHz)</b>	<b>Power Index</b>	
		<b>Non-beamforming</b>	<b>Beamforming</b>
11b	2412	19	---
11b	2437	21	---
11b	2462	18.5	---
11g	2412	15.5	---
11g	2437	19.5	---
11g	2462	17	---
be EHT20	2412	16.5	33
be EHT20	2437	21	42
be EHT20	2462	18	36
be EHT40	2422	16	32
be EHT40	2437	17.5	35
be EHT40	2452	16.5	33

## 1.2 Local Support Equipment List

Support Equipment List					
No.	Equipment	Brand	Model	FCC ID	Remarks
1	Laptop	DELL	Latitude 3440	DoC	---
2	Laptop	DELL	Vostro 5410	DoC	---

## 1.3 Test Setup Chart



No.	Signal cable / Length (m)
1	RJ45, 2m non-shielded.
2-3	RJ45, 10m non-shielded.

## 1.4 The Equipment List

<b>Test Item</b>	Conducted Emission				
<b>Test Site</b>	Conduction room 1 / (CO01-WS)				
<b>Tested Date</b>	Oct. 24, 2024				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Receiver	R&S	ESR3	101658	Feb. 23, 2024	Feb. 22, 2025
LISN	R&S	ENV216	101579	May 09, 2024	May 08, 2025
LISN (Support Unit)	SCHWARZBECK	Schwarzbeck 8127	8127667	Jan. 10, 2024	Jan. 09, 2025
RF Cable-CON	Woken	CFD200-NL	CFD200-NL-001	Oct. 07, 2024	Oct. 08, 2025
50 ohm terminal	NA	50	01	Jun. 19, 2024	Jun. 18, 2025
Measurement Software	AUDIX	e3	6.120210k	NA	NA

Note: Calibration Interval of instruments listed above is one year.

<b>Test Item</b>	Radiated Emission				
<b>Test Site</b>	966 chamber1 / (03CH01-WS)				
<b>Tested Date</b>	Sep. 20 ~ Sep. 26, 2024				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Receiver	R&S	ESR3	101657	Mar. 05, 2024	Mar. 04, 2025
Spectrum Analyzer	R&S	FSV40	101498	Nov. 23, 2023	Nov. 22, 2024
Loop Antenna	R&S	HFH2-Z2	100330	Oct. 31, 2023	Oct. 30, 2024
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-522	Aug. 09, 2024	Aug. 08, 2025
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1096	Nov. 27, 2023	Nov. 26, 2024
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Oct. 30, 2023	Oct. 29, 2024
Preamplifier	EMC	EMC02325	980225	Jun. 17, 2024	Jun. 16, 2025
Preamplifier	EMC	EMC118A45SE	980898	Jul. 05, 2024	Jul. 04, 2025
Preamplifier	EMC	EMC184045SE	980903	Jul. 30, 2024	Jul. 29, 2025
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 03, 2023	Oct. 02, 2024
LF cable 3M	Woken	CFD400NL-LW	CFD400NL-001	Oct. 03, 2023	Oct. 02, 2024
LF cable 11M	EMC	EMCCFD400-NW-N W-11000	200801	Oct. 03, 2023	Oct. 02, 2024
LF cable 1M	EMC	EMCCFD400-NM-N M-1000	160502	Oct. 03, 2023	Oct. 02, 2024
RF Cable	EMC	EMC104-35M-35M-8000	210920	Oct. 03, 2023	Oct. 02, 2024
RF Cable	EMC	EMC104-35M-35M-3000	210922	Oct. 03, 2023	Oct. 02, 2024
Attenuator	Pasternack	PE7005-10	10-1	Oct. 05, 2023	Oct. 04, 2024
HIGHPASS FILTER 3.1-18G	WHK	WHK3.1/18G-10SS	39	Oct. 05, 2023	Oct. 04, 2024
Measurement Software	AUDIX	e3	6.120210g	NA	NA

Note: Calibration Interval of instruments listed above is one year.

<b>Test Item</b>	RF Conducted				
<b>Test Site</b>	(TH01-WS)				
<b>Tested Date</b>	Oct. 01 ~ Oct. 28, 2024				
<b>Instrument</b>	<b>Brand</b>	<b>Model No.</b>	<b>Serial No.</b>	<b>Calibration Date</b>	<b>Calibration Until</b>
Spectrum Analyzer	R&S	FSV40	101910	Apr. 18, 2024	Apr. 17, 2025
Power Meter	Anritsu	ML2495A	1241002	Nov. 21, 2023	Nov. 20, 2024
Power Sensor	Anritsu	MA2411B	1207366	Nov. 21, 2023	Nov. 20, 2024
Attenuator	Pasternack	PE7005-10	10-3	Sep. 20, 2024	Sep. 19, 2025
Measurement Software	Sporton	SENSE-15247_DTS	V5.11	NA	NA

Note: Calibration Interval of instruments listed above is one year.

## 1.5 Test Standards

47 CFR FCC Part 15.247

ANSI C63.10-2013

## 1.6 Reference Guidance

FCC KDB 558074 D01 15.247 Meas Guidance v05r02

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

## 1.7 Deviation from Test Standard and Measurement Procedure

None

## 1.8 Measurement Uncertainty

The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)).

Measurement Uncertainty	
Parameters	Uncertainty
Bandwidth	±34.130 Hz
Conducted power	±0.808 dB
Power density	±0.583 dB
Conducted emission	±2.715 dB
AC conducted emission	±2.92 dB
Unwanted Emission ≤ 1GHz	±3.41 dB
Unwanted Emission > 1GHz	±4.59 dB

## 2 Test Configuration

### 2.1 Testing Facility

Test Laboratory	International Certification Corporation
Test Site	CO01-WS, 03CH01-WS, TH01-WS
Address of Test Site	No.3-1, Lane 6, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

- FCC Designation No.: TW2732
- FCC site registration No.: 181692
- ISED#: 10807A
- CAB identifier: TW2732

### 2.2 The Worst Test Modes and Channel Details

Test item	Modulation Mode	Test Frequency (MHz)	Data Rate	Test Configuration
<b><i>Non-beamforming mode</i></b>				
AC Power Line Conducted Emission	11b	2437	1 Mbps	---
Unwanted Emissions ≤ 1GHz	11b	2437	1 Mbps	---
Unwanted Emissions >1GHz Conducted Output Power 6dB bandwidth Power spectral density	11b 11g be EHT20 be EHT40	2412 / 2437 / 2462 2412 / 2437 / 2462 2412 / 2437 / 2462 2422 / 2437 / 2452	1 Mbps 6 Mbps MCS 0 MCS 0	---
<b><i>Beamforming mode</i></b>				
AC Power Line Conducted Emission	be EHT20	2437	MCS 0	---
Unwanted Emissions ≤1GHz	be EHT20	2437	MCS 0	---
Unwanted Emissions >1GHz Conducted Output Power 6dB bandwidth Power spectral density	be EHT20 be EHT40	2412 / 2437 / 2462 2422 / 2437 / 2452	MCS 0 MCS 0	---
<b>NOTE:</b>				
1. Two adapters (LUCENT TRANS & PHIHONG) had been covered during the pretest and found that PHIHONG adapter was the worst case for radiated emission test and LUCENT TRANS adapter was the worst case for conducted emission test.				

## 3 Transmitter Test Results

### 3.1 6dB and Occupied Bandwidth

#### 3.1.1 Limit of 6dB Bandwidth

The minimum 6dB bandwidth shall be at least 500 kHz.

#### 3.1.2 Test Procedures

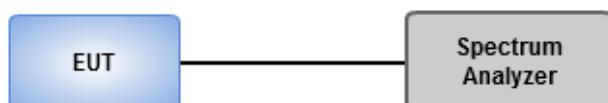
##### 6dB Bandwidth

1. Set resolution bandwidth (RBW) = 100 kHz, Video bandwidth = 300 kHz.
2. Detector = Peak, Trace mode = max hold.
3. Sweep = auto couple, Allow the trace to stabilize.
4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 6dB relative to the maximum level measured in the fundamental emission.

##### Occupied Bandwidth

1. Set resolution bandwidth (RBW) = 1% ~ 5 % of OBW, Video bandwidth = 3 x RBW
2. Detector = Sample, Trace mode = max hold.
3. Sweep = auto couple, Allow the trace to stabilize.
4. Use the OBW measurement function of spectrum analyzer to measure the occupied bandwidth.

#### 3.1.3 Test Setup



#### 3.1.4 Test Results

Ambient Condition	25-26°C / 66-68%	Tested By	Akun Chung
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Refer to Appendix A.

## 3.2 Conducted Output Power

### 3.2.1 Limit of Conducted Output Power

Conducted power shall not exceed 1Watt.

Antenna gain <= 6dBi, no any corresponding reduction is in output power limit.

Antenna gain > 6dBi

Non Fixed, point to point operations.

The conducted output power from the intentional radiator shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dB

Fixed, point to point operations

Systems operating in the 2400–2483.5 MHz band that are used exclusively for fixed, point-to-point Operations, maximum peak output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

### 3.2.2 Test Procedures

A broadband RF power meter is used for output power measurement. The video bandwidth of power meter is greater than DTS bandwidth of EUT. If duty cycle of test signal is not 100 %, trigger and gating function of power meter will be enabled to capture transmission burst for measuring output power.

### 3.2.3 Test Setup



### 3.2.4 Test Results

Ambient Condition	25-26°C / 66-68%	Tested By	Akun Chung
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Refer to Appendix B.

### 3.3 Power Spectral Density

#### 3.3.1 Limit of Power Spectral Density

Power spectral density shall not be greater than 8 dBm in any 3 kHz band.

#### 3.3.2 Test Procedures

##### Peak PSD

1. Set the RBW = 3 kHz, VBW = 10 kHz.
2. Detector = Peak, Sweep time = auto couple.
3. Trace mode = max hold, allow trace to fully stabilize.
4. Use the peak marker function to determine the maximum amplitude level.

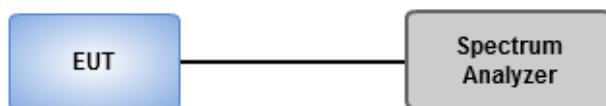
##### Average PSD, duty cycle $\geq 98\%$

1. Set the RBW = 3 kHz, VBW = 10 kHz.
2. Detector = RMS, Sweep time = auto couple.
3. Sweep time = auto couple.
4. Employ trace averaging (RMS) mode over a minimum of 100 traces.
5. Use the peak marker function to determine the maximum amplitude level.

##### Average PSD, duty cycle $< 98\%$

1. Set the RBW = 3 kHz, VBW = 10 kHz
2. Detector = RMS, Sweep time = auto couple.
3. Sweep time = auto couple.
4. Employ trace averaging (RMS) mode over a minimum of 100 traces.
5. Use the peak marker function to determine the maximum amplitude level.
6. Add  $10 \log (1/x)$ , where x is the duty cycle.

#### 3.3.3 Test Setup



#### 3.3.4 Test Results

Ambient Condition	25-26°C / 66-68%	Tested By	Akun Chung
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Refer to Appendix C.

## 3.4 Unwanted Emissions into Restricted Frequency Bands

### 3.4.1 Limit of Unwanted Emissions into Restricted Frequency Bands

Restricted Band Emissions Limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

**Note 1:**  
Quasi-Peak value is measured for frequency below 1GHz except for 9–90 kHz, 110–490 kHz frequency band. Peak and average value are measured for frequency above 1GHz. The limit on average radio frequency emission is as above table. The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit

**Note 2:**  
Measurements may be performed at a distance other than what is specified provided. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor as below, Frequency at or above 30 MHz: 20 dB/decade Frequency below 30 MHz: 40 dB/decade.

### 3.4.2 Test Procedures

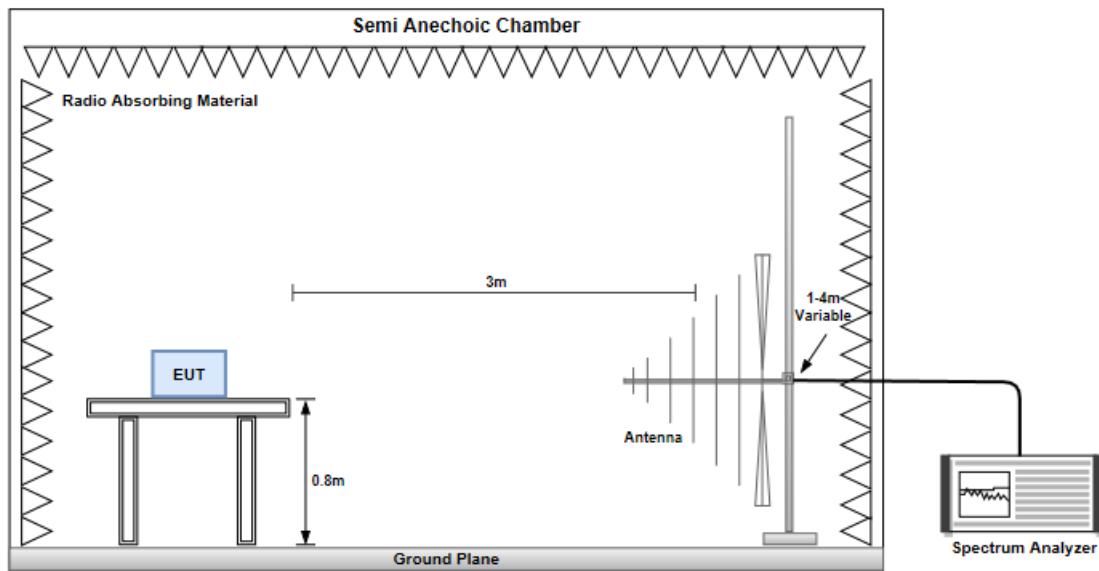
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. The EUT is placed at test table. For emissions testing at or below 1 GHz, the table height is 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height is 1.5 m
2. Measurement is made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna is varied in height (1m ~ 4m) above the reference ground plane to obtain the maximum signal strength. Distance between EUT and antenna is 3 m.
3. This investigation is performed with the EUT rotated 360°, the antenna height scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations.

Note:

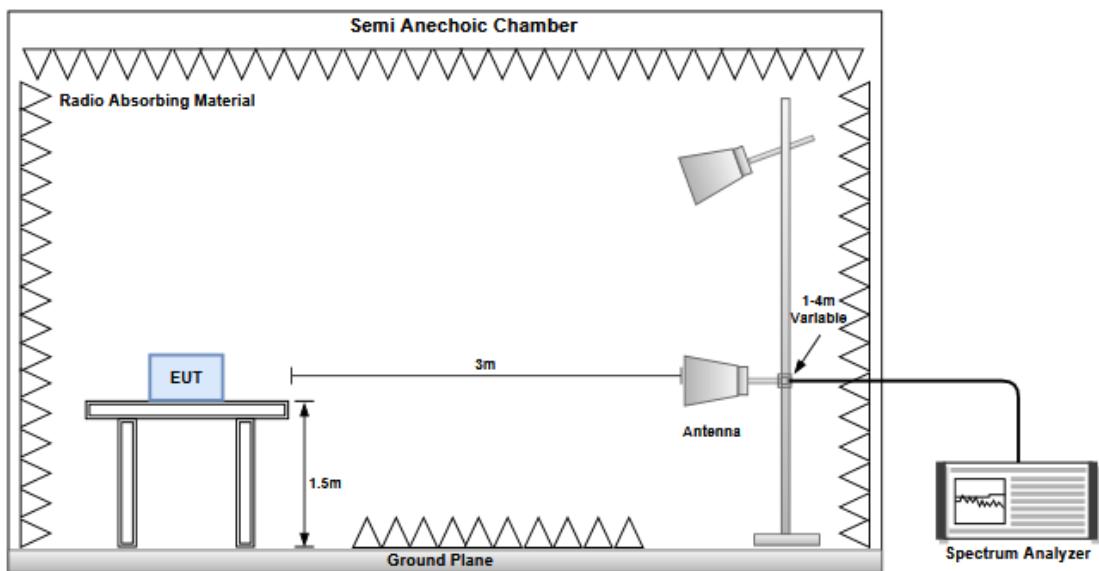
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above 1GHz.

### 3.4.3 Test Setup

#### Radiated Emissions below 1 GHz



#### Radiated Emissions above 1 GHz



### 3.4.4 Test Results

Refer to Appendix D.

## 3.5 Emissions in Non-Restricted Frequency Bands

### 3.5.1 Emissions in Non-Restricted Frequency Bands Limit

Peak power in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum in-band peak PSD level in 100 kHz.

### 3.5.2 Test Procedures

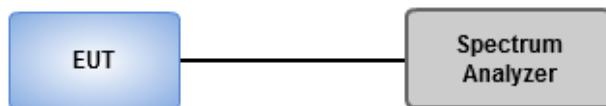
#### Reference level measurement

1. Set RBW=100kHz, VBW = 300kHz , Detector = Peak, Sweep time = Auto
2. Trace = max hold , Allow Trace to fully stabilize
3. Use the peak marker function to determine the maximum PSD level

#### Emission level measurement

1. Set RBW=100kHz, VBW = 300kHz , Detector = Peak, Sweep time = Auto
2. Trace = max hold , Allow Trace to fully stabilize
3. Scan Frequency range is up to 25GHz
4. Use the peak marker function to determine the maximum amplitude level

### 3.5.3 Test Setup



### 3.5.4 Test Results

Ambient Condition	25-26°C / 66-68%	Tested By	Akun Chung
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Refer to Appendix E.

## 3.6 AC Power Line Conducted Emissions

### 3.6.1 Limit of AC Power Line Conducted Emissions

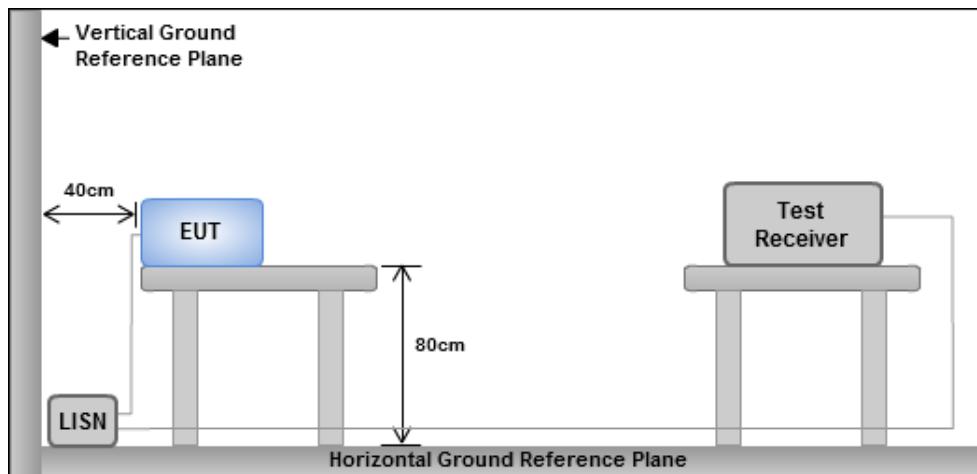
Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

Note 1: \* Decreases with the logarithm of the frequency.

### 3.6.2 Test Procedures

1. The device is placed on a test table, raised 80 cm above the reference ground plane. The vertical conducting plane is located 40 cm to the rear of the device.
2. The device is connected to line impedance stabilization network (LISN) and other accessories are connected to other LISN. Measured levels of AC power line conducted emission are across the  $50 \Omega$  LISN port.
3. AC conducted emission measurements is made over frequency range from 150 kHz to 30 MHz.
4. This measurement was performed with AC 120V / 60Hz.

### 3.6.3 Test Setup



Note: 1. Support units were connected to second LISN.  
 2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

### 3.6.4 Test Results

Refer to Appendix F.

## 4 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corporation (EMC and Wireless Communication Laboratory), it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan District. Location map can be found on our website <http://www.icertifi.com.tw>.

### Linkou

Tel: 886-2-2601-1640  
No.30-2, Ding Fwu Tsuen, Lin Kou  
District, New Taipei City, Taiwan  
(R.O.C.)

### Kwei Shan

Tel: 886-3-271-8666  
No.3-1, Lane 6, Wen San 3rd  
St., Kwei Shan Dist., Tao Yuan  
City 33381, Taiwan (R.O.C.)  
No.2-1, Lane 6, Wen San 3rd  
St., Kwei Shan Dist., Tao Yuan  
City 33381, Taiwan (R.O.C.)

### Kwei Shan Site II

Tel: 886-3-271-8640  
No.14-1, Lane 19, Wen San 3rd  
St., Kwei Shan Dist., Tao Yuan  
City 33381, Taiwan (R.O.C.)

If you have any suggestion, please feel free to contact us as below information.

Tel: 886-3-271-8666  
Fax: 886-3-318-0345  
Email: ICC\_Service@icertifi.com.tw

—END—

**Non-beamforming mode****Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	8.05M	12.909M	12M9G1D	8.025M	12.624M
802.11g_Nss1,(6Mbps)_2TX	16.275M	16.734M	16M7D1D	15.65M	16.316M
802.11be EHT20_Nss1,(MCS0)_2TX	18.3M	18.991M	19M0D1D	17.55M	18.816M
802.11be EHT40_Nss1,(MCS0)_2TX	35.55M	37.631M	37M6D1D	33.85M	37.531M

Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;

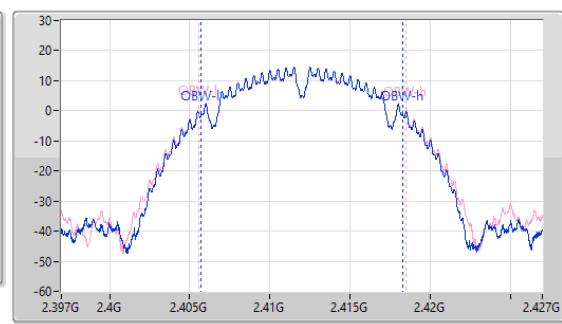
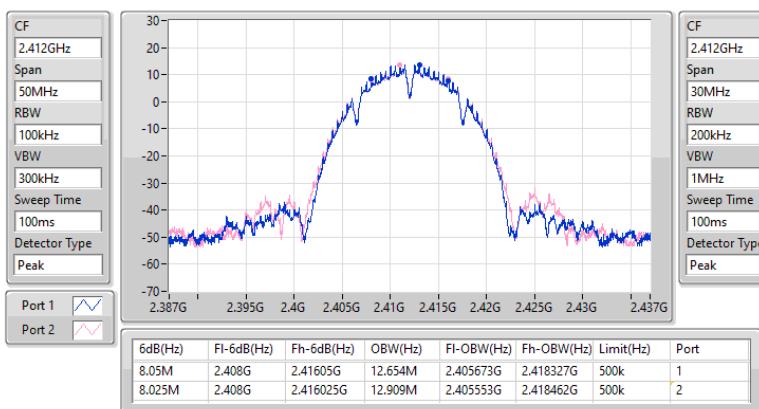
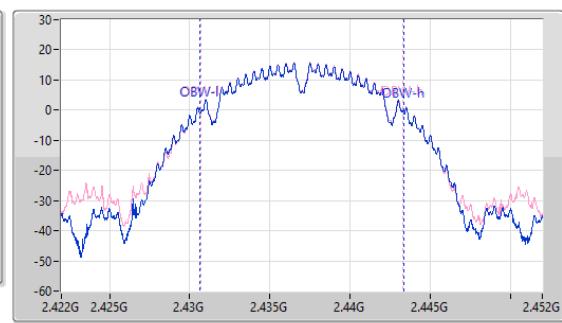
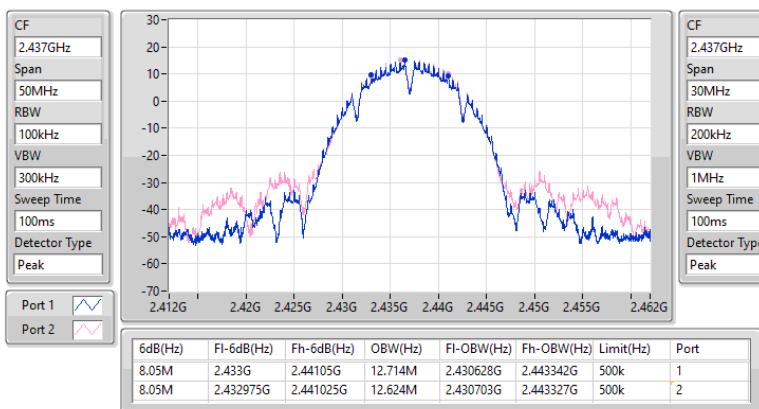
Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

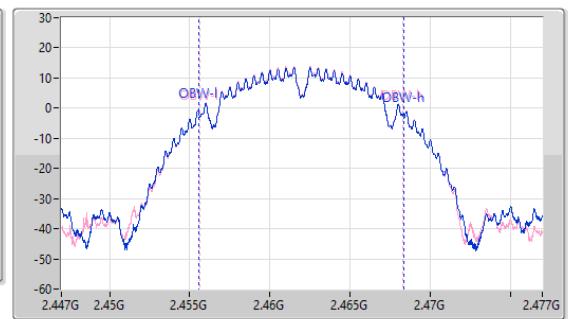
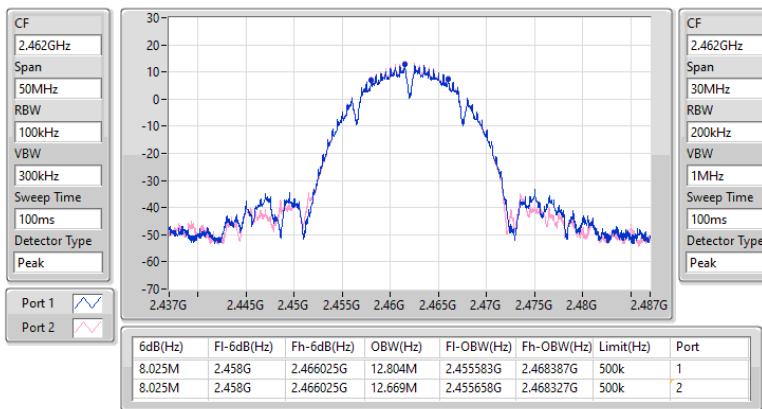
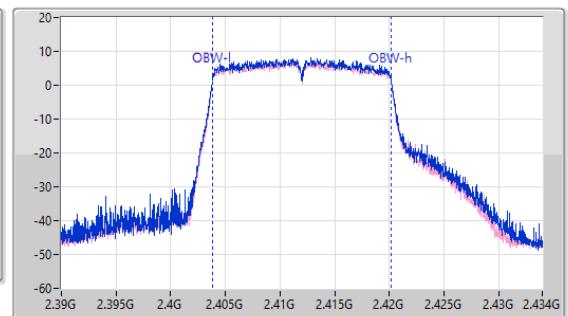
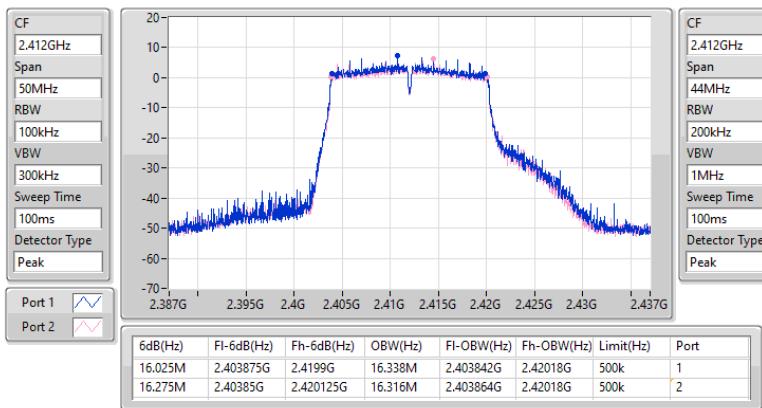
**Result**

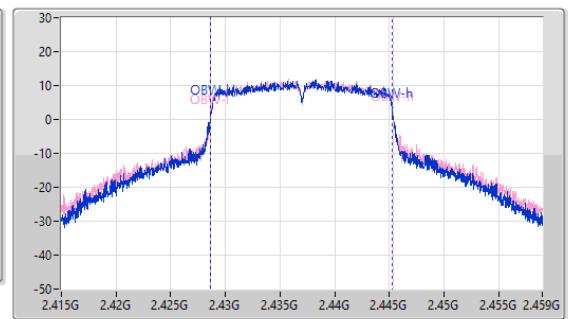
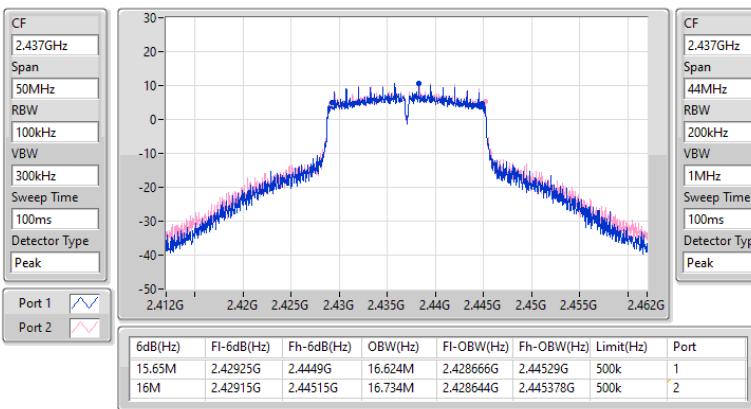
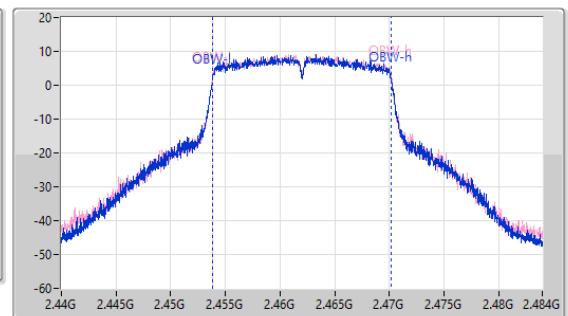
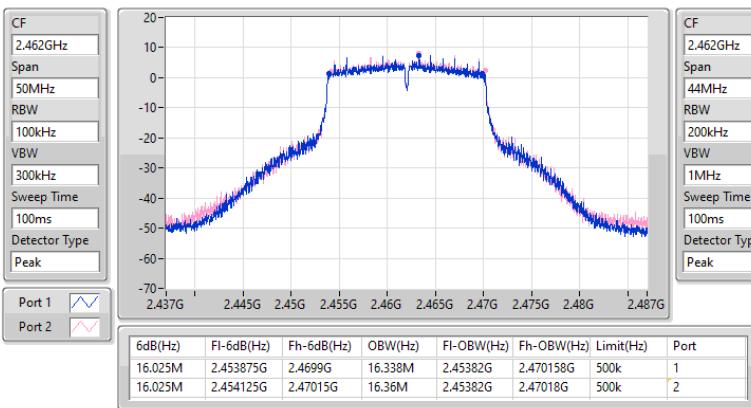
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	8.05M	12.654M	8.025M	12.909M
2437MHz	Pass	500k	8.05M	12.714M	8.05M	12.624M
2462MHz	Pass	500k	8.025M	12.804M	8.025M	12.669M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.025M	16.338M	16.275M	16.316M
2437MHz	Pass	500k	15.65M	16.624M	16M	16.734M
2462MHz	Pass	500k	16.025M	16.338M	16.025M	16.36M
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.3M	18.816M	18.3M	18.816M
2437MHz	Pass	500k	18.175M	18.916M	18M	18.991M
2462MHz	Pass	500k	17.875M	18.816M	17.55M	18.816M
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	35.05M	37.631M	35.55M	37.531M
2437MHz	Pass	500k	34.9M	37.631M	33.85M	37.581M
2452MHz	Pass	500k	35.25M	37.531M	35M	37.531M

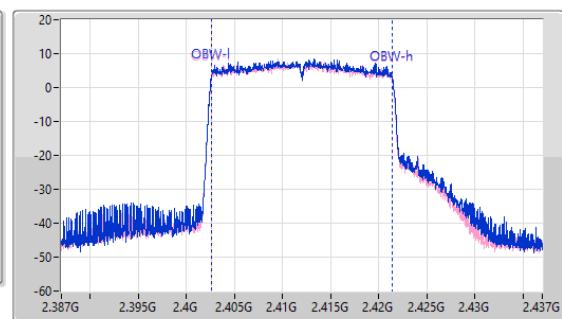
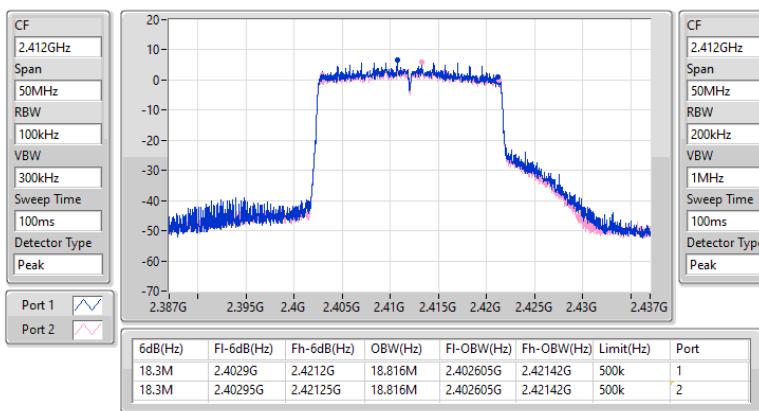
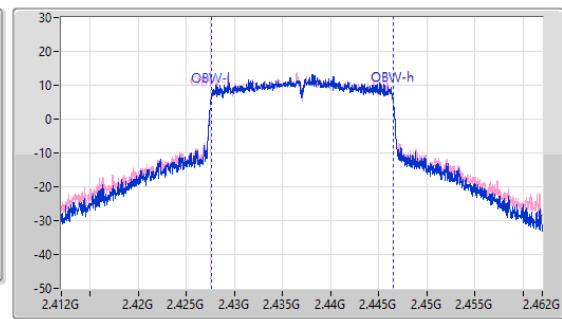
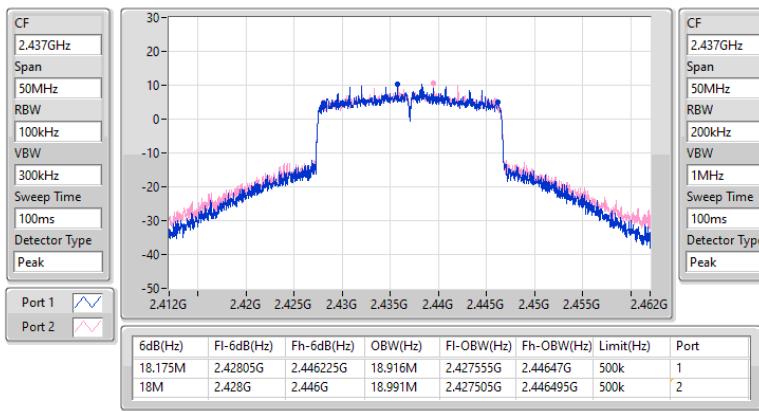
Port X-N dB = Port X 6dB down bandwidth;

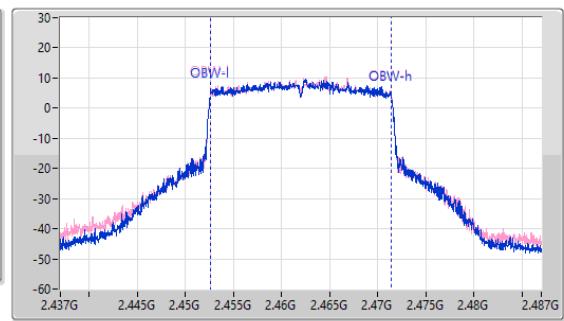
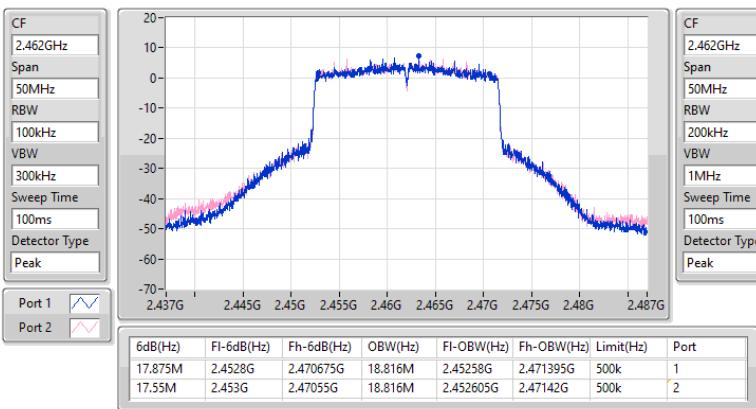
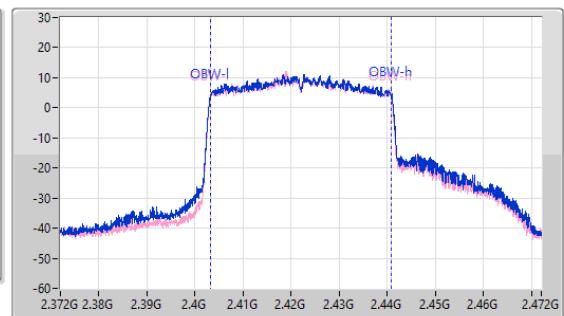
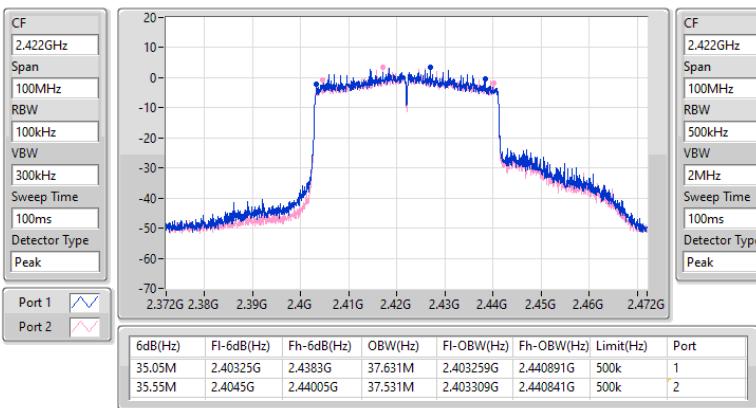
Port X-OBW = Port X 99% occupied bandwidth

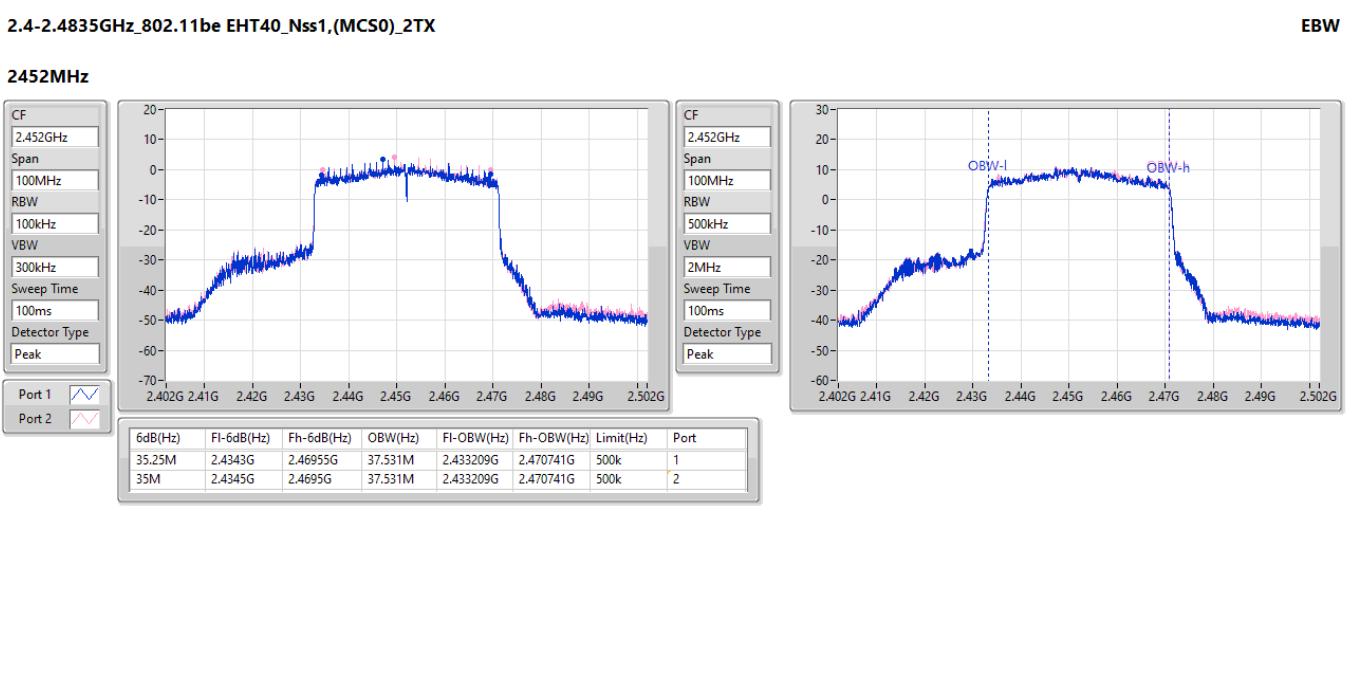
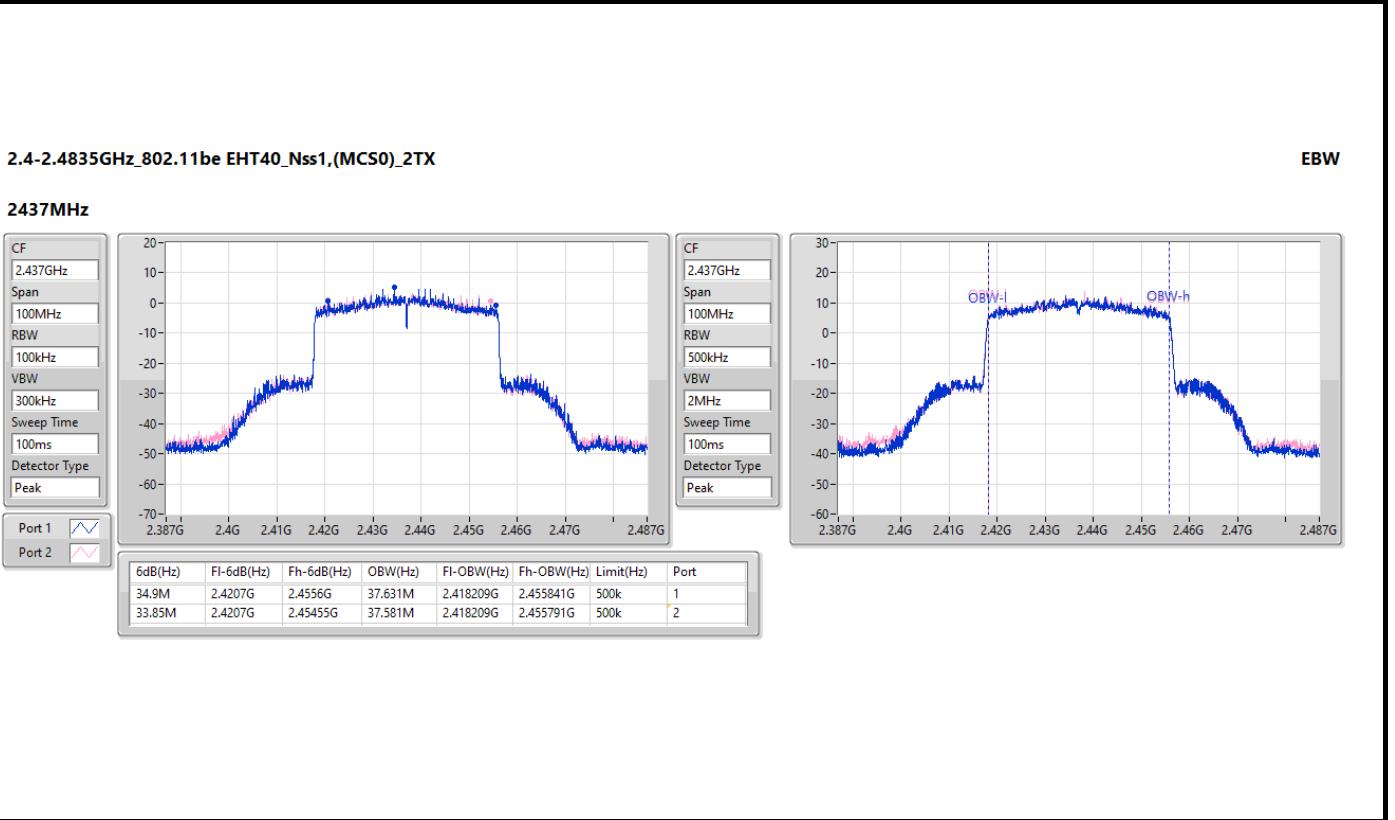
**2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX**
**EBW**
**2412MHz**

**2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX**
**EBW**
**2437MHz**


**2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX**
**EBW**
**2462MHz**

**2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX**
**EBW**
**2412MHz**


**2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX**
**EBW**
**2437MHz**

**2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX**
**EBW**
**2462MHz**


**2.4-2.4835GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX**
**EBW**
**2412MHz**

**2.4-2.4835GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX**
**EBW**
**2437MHz**


**2.4-2.4835GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX**
**EBW**
**2462MHz**

**2.4-2.4835GHz\_802.11be EHT40\_Nss1,(MCS0)\_2TX**
**EBW**
**2422MHz**




**Beamforming mode**

## Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11be EHT20-BF_Nss1,(MCS0)_2TX	18.2M	18.991M	19M0D1D	17.6M	18.791M
802.11be EHT40-BF_Nss1,(MCS0)_2TX	36.05M	37.681M	37M7D1D	31.35M	37.531M

Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;

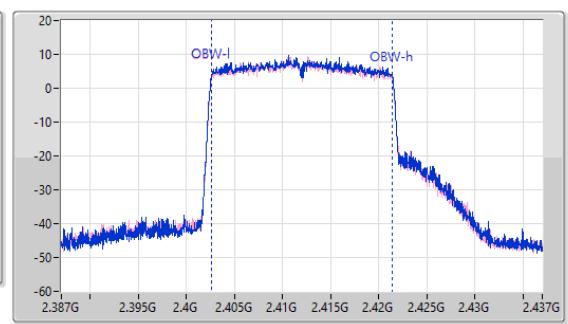
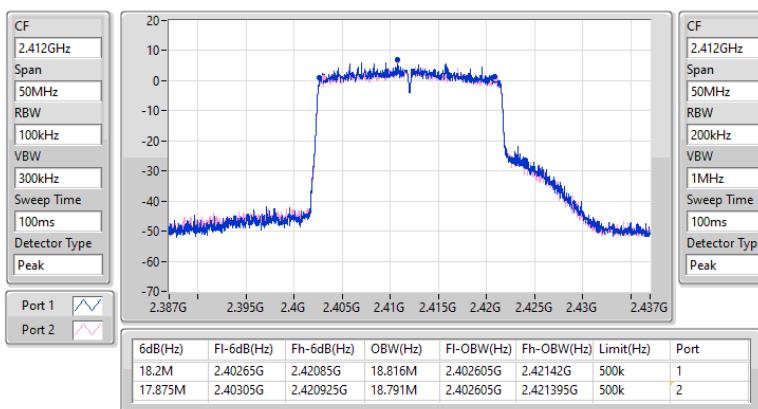
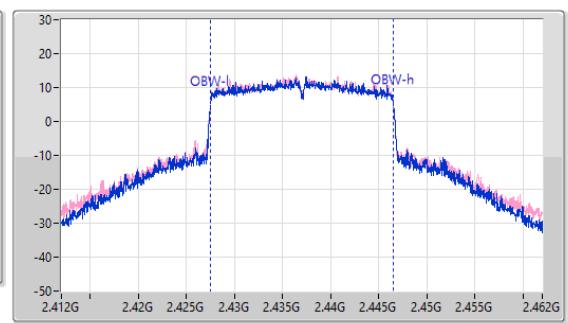
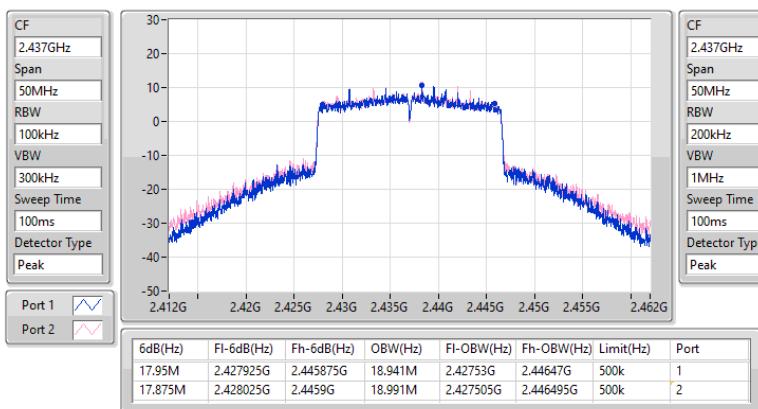
Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

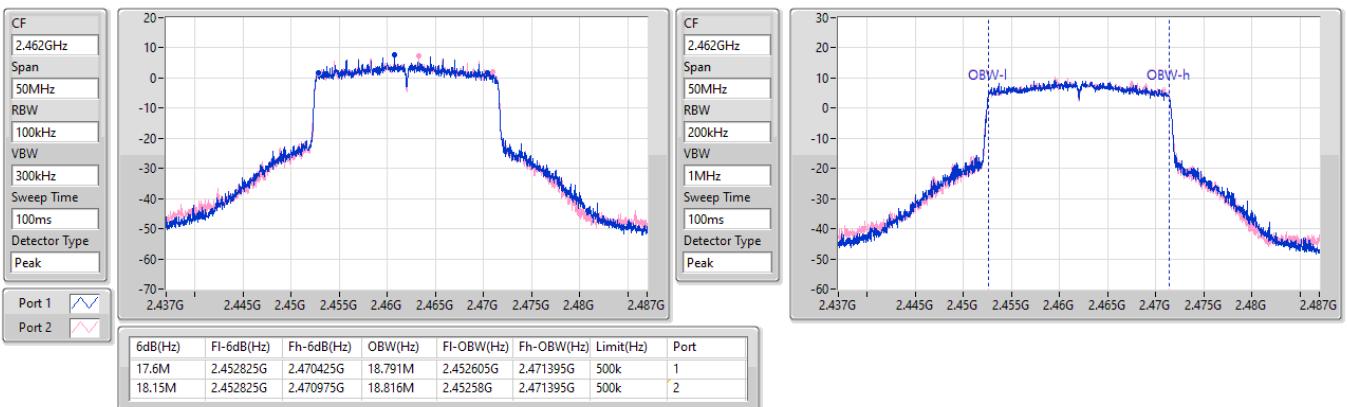
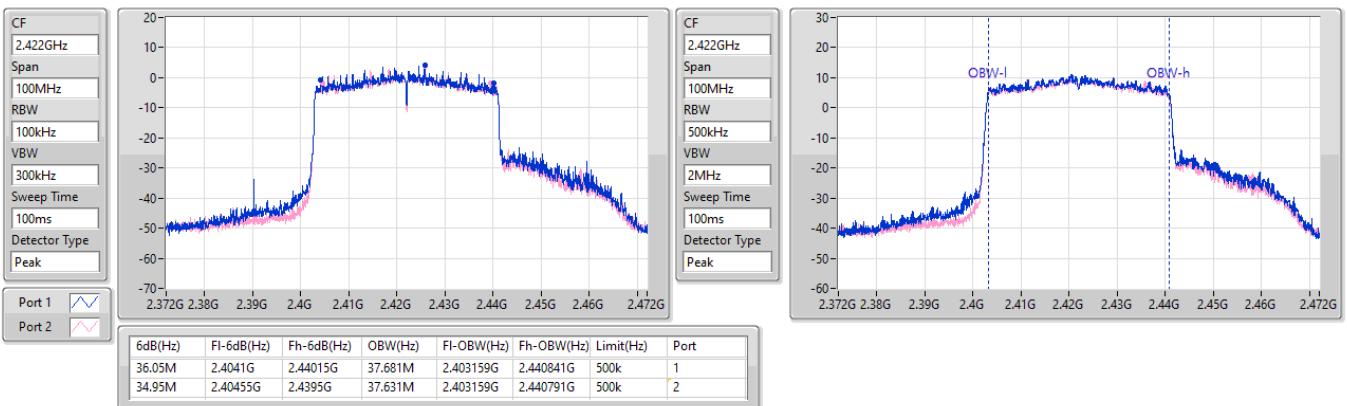
## Result

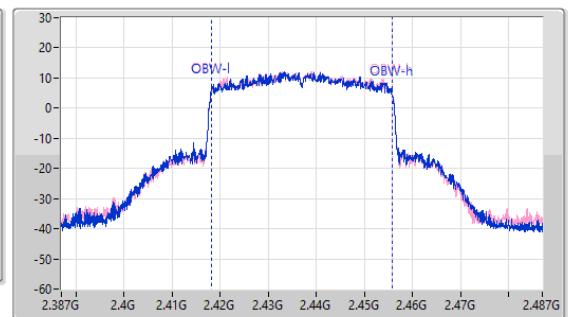
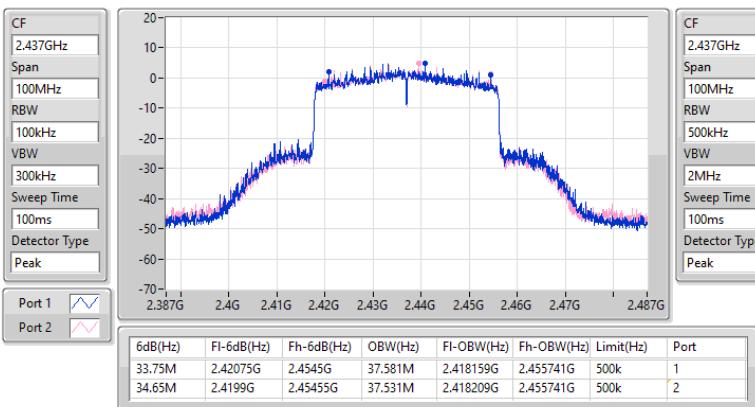
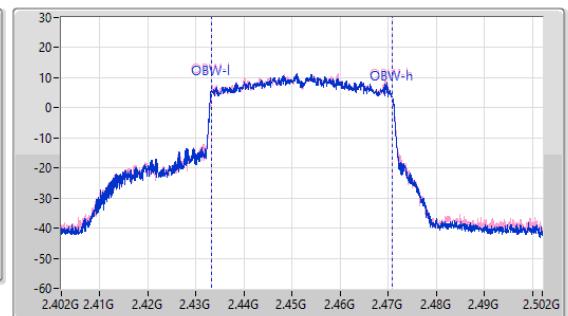
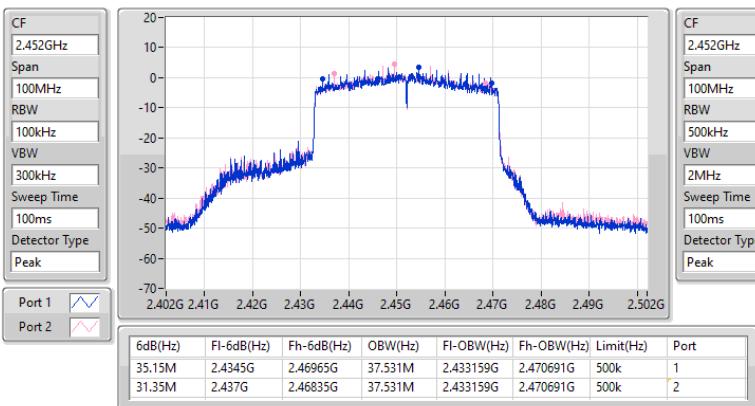
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.2M	18.816M	17.875M	18.791M
2437MHz	Pass	500k	17.95M	18.941M	17.875M	18.991M
2462MHz	Pass	500k	17.6M	18.791M	18.15M	18.816M
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	36.05M	37.681M	34.95M	37.631M
2437MHz	Pass	500k	33.75M	37.581M	34.65M	37.531M
2452MHz	Pass	500k	35.15M	37.531M	31.35M	37.531M

Port X-N dB = Port X 6dB down bandwidth;

Port X-OBW = Port X 99% occupied bandwidth

**2.4-2.4835GHz\_802.11be EHT20-BF\_Nss1,(MCS0)\_2TX**
**EBW**
**2412MHz**

**2.4-2.4835GHz\_802.11be EHT20-BF\_Nss1,(MCS0)\_2TX**
**EBW**
**2437MHz**


**2.4-2.4835GHz\_802.11be EHT20-BF\_Nss1,(MCS0)\_2TX**
**EBW**
**2462MHz**

**2.4-2.4835GHz\_802.11be EHT40-BF\_Nss1,(MCS0)\_2TX**
**EBW**
**2422MHz**


**2.4-2.4835GHz\_802.11be EHT40-BF\_Nss1,(MCS0)\_2TX**
**EBW**
**2437MHz**

**2.4-2.4835GHz\_802.11be EHT40-BF\_Nss1,(MCS0)\_2TX**
**EBW**
**2452MHz**


**Non-beamforming mode****Summary**

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	25.99	0.39719
802.11g_Nss1,(6Mbps)_2TX	24.22	0.26424
802.11be EHT20_Nss1,(MCS0)_2TX	24.33	0.27102
802.11be EHT40_Nss1,(MCS0)_2TX	21.15	0.13032

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.032	21.91	21.92	24.93	30.00	27.96	36.00
2437MHz	Pass	3.032	22.78	23.17	25.99	30.00	29.02	36.00
2462MHz	Pass	3.032	20.73	21.24	24.00	30.00	27.03	36.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.032	17.86	17.48	20.68	30.00	23.71	36.00
2437MHz	Pass	3.032	20.99	21.41	24.22	30.00	27.25	36.00
2462MHz	Pass	3.032	18.25	18.67	21.48	30.00	24.51	36.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.032	17.56	17.13	20.36	30.00	23.39	36.00
2437MHz	Pass	3.032	21.15	21.48	24.33	30.00	27.36	36.00
2462MHz	Pass	3.032	17.85	18.39	21.14	30.00	24.17	36.00
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
2422MHz	Pass	3.032	17.21	16.81	20.02	30.00	23.05	36.00
2437MHz	Pass	3.032	18.05	18.23	21.15	30.00	24.18	36.00
2452MHz	Pass	3.032	16.87	17.17	20.03	30.00	23.06	36.00

DG = Directional Gain; Port X = Port X output power

**Beamforming mode****Summary**

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11be EHT20-BF_Nss1,(MCS0)_2TX	24.26	0.26669
802.11be EHT40-BF_Nss1,(MCS0)_2TX	21.03	0.12677

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.890	17.39	17.24	20.33	30.00	24.22	36.00
2437MHz	Pass	3.890	21.03	21.46	24.26	30.00	28.15	36.00
2462MHz	Pass	3.890	17.82	18.22	21.03	30.00	24.92	36.00
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
2422MHz	Pass	3.890	16.96	16.61	19.80	30.00	23.69	36.00
2437MHz	Pass	3.890	17.78	18.24	21.03	30.00	24.92	36.00
2452MHz	Pass	3.890	16.59	17.01	19.82	30.00	23.71	36.00

DG = Directional Gain; Port X = Port X output power

Directional Gain refers to antenna report.

**Non-beamforming mode**

## Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-3.64
802.11g_Nss1,(6Mbps)_2TX	-8.26
802.11be EHT20_Nss1,(MCS0)_2TX	-8.22
802.11be EHT40_Nss1,(MCS0)_2TX	-12.32

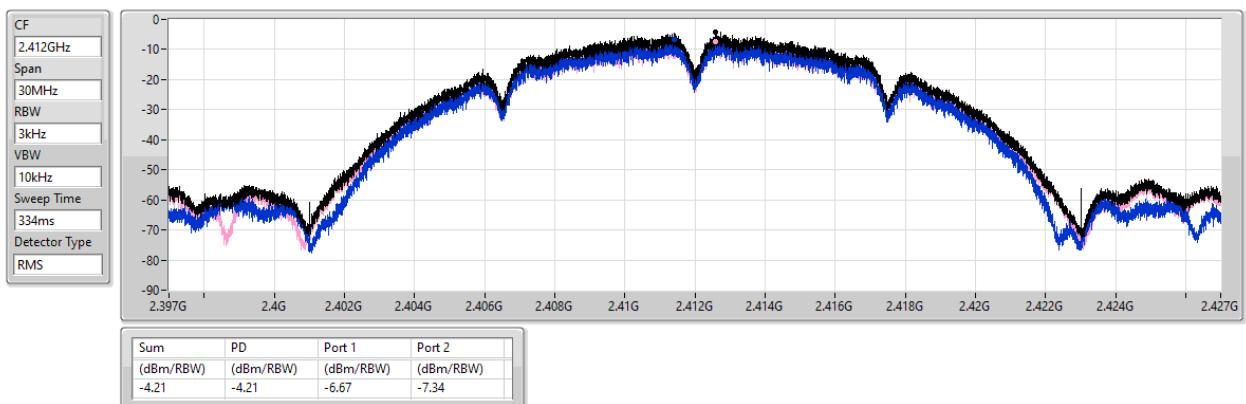
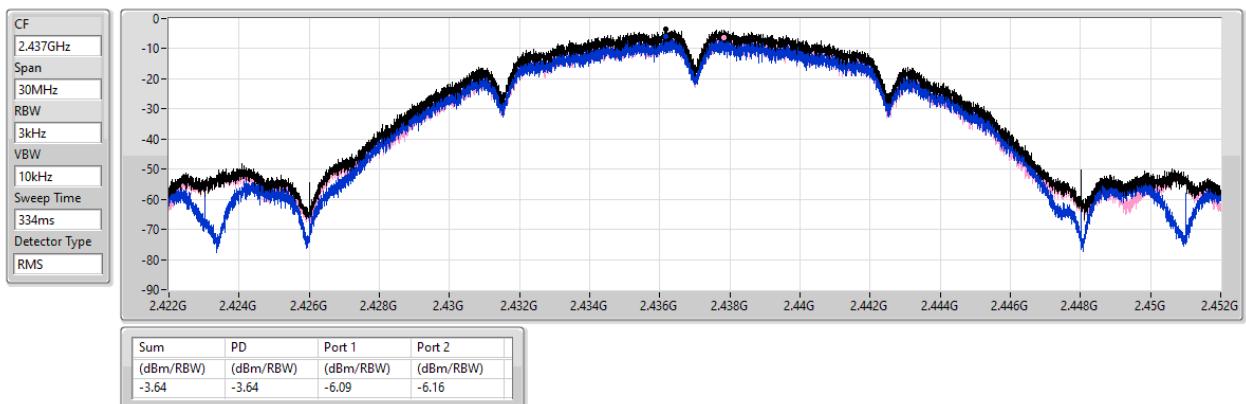
RBW = 3kHz;

## Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.890	-6.67	-7.34	-4.21	8.00
2437MHz	Pass	3.890	-6.09	-6.16	-3.64	8.00
2462MHz	Pass	3.890	-8.34	-6.75	-5.13	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.890	-14.02	-14.87	-12.19	8.00
2437MHz	Pass	3.890	-10.04	-10.90	-8.26	8.00
2462MHz	Pass	3.890	-13.51	-12.52	-10.89	8.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.890	-14.36	-15.34	-11.90	8.00
2437MHz	Pass	3.890	-11.27	-11.11	-8.22	8.00
2462MHz	Pass	3.890	-13.74	-14.29	-11.47	8.00
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	3.890	-15.92	-16.86	-13.90	8.00
2437MHz	Pass	3.890	-16.20	-14.60	-12.32	8.00
2452MHz	Pass	3.890	-16.47	-15.62	-14.24	8.00

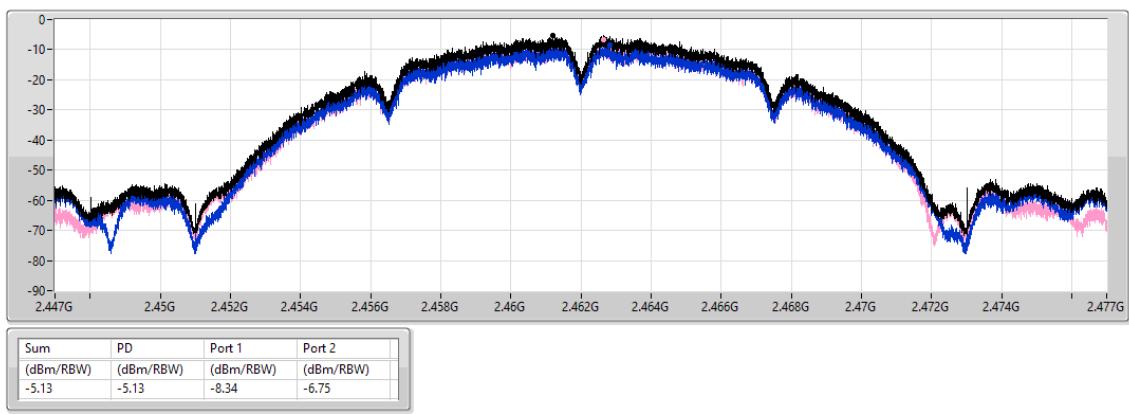
DG = Directional Gain; RBW = 3kHz;

PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;  
Directional Gain refers to antenna report.

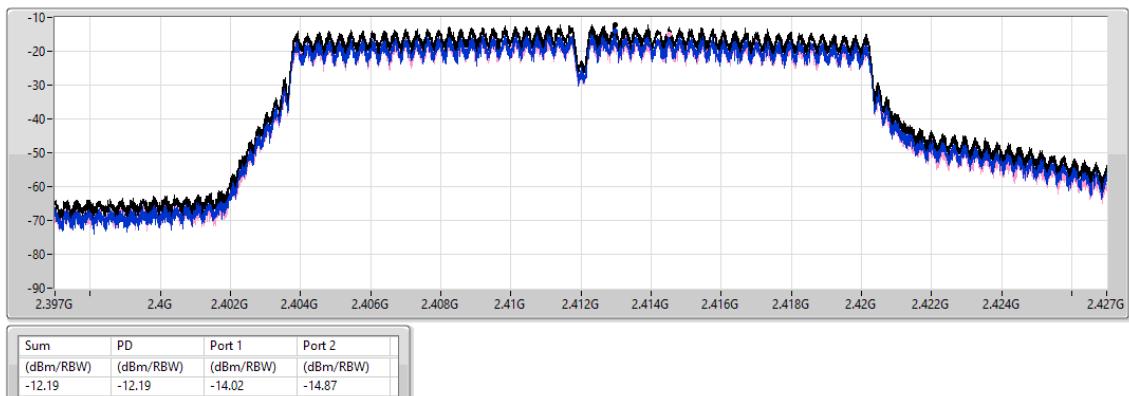
**2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX**
**PSD**
**2412MHz**

**2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX**
**PSD**
**2437MHz**


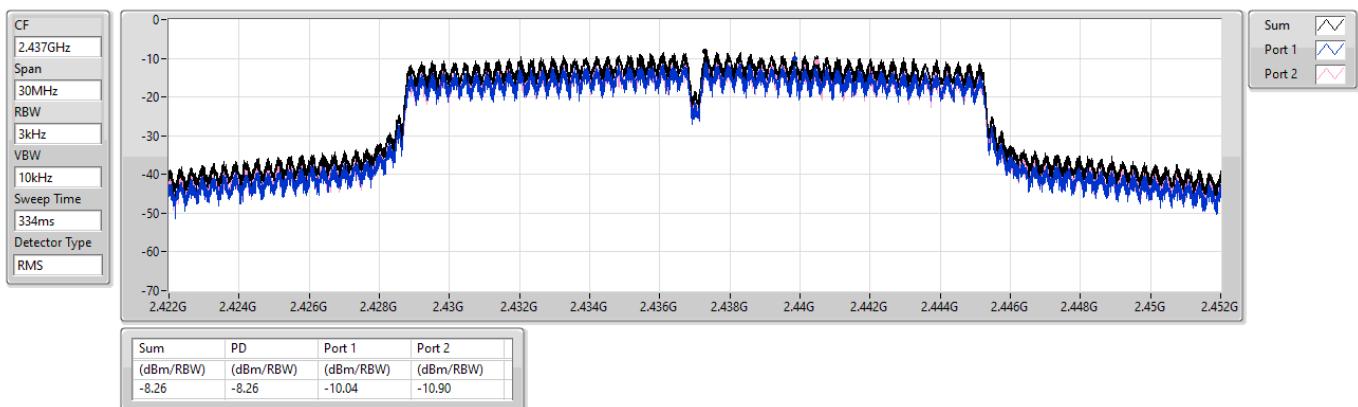
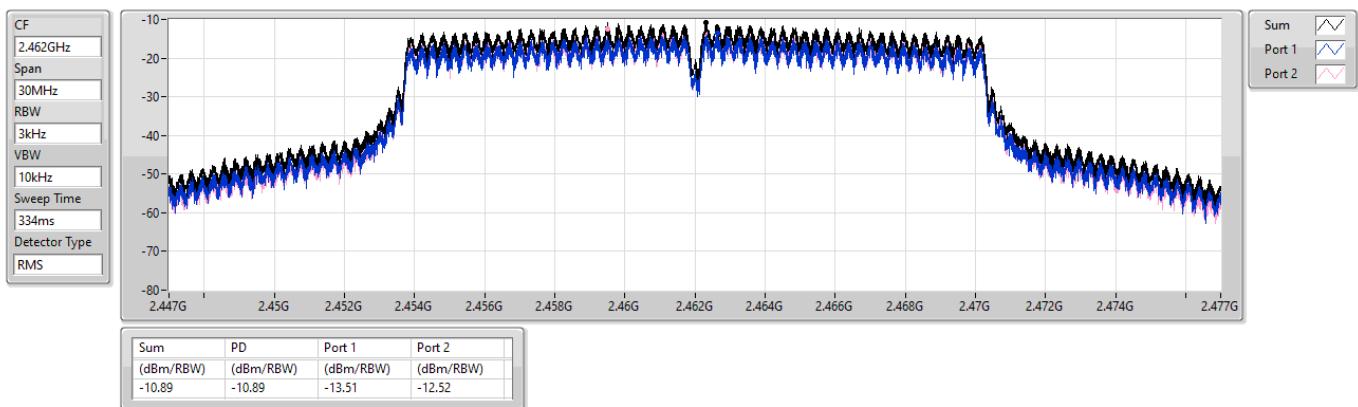
**2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX**
**PSD**
**2462MHz**

CF
2.462GHz
Span
30MHz
RBW
3kHz
VBW
10kHz
Sweep Time
334ms
Detector Type
RMS


**2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX**
**PSD**
**2412MHz**

CF
2.412GHz
Span
30MHz
RBW
3kHz
VBW
10kHz
Sweep Time
334ms
Detector Type
RMS



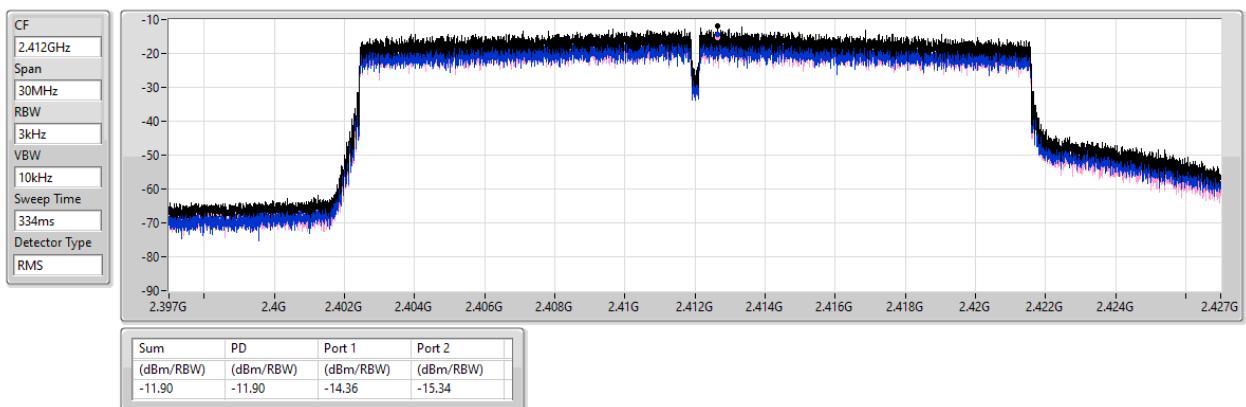
**2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX**
**PSD**
**2437MHz**

**2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX**
**PSD**
**2462MHz**




2.4-2.4835GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX

PSD

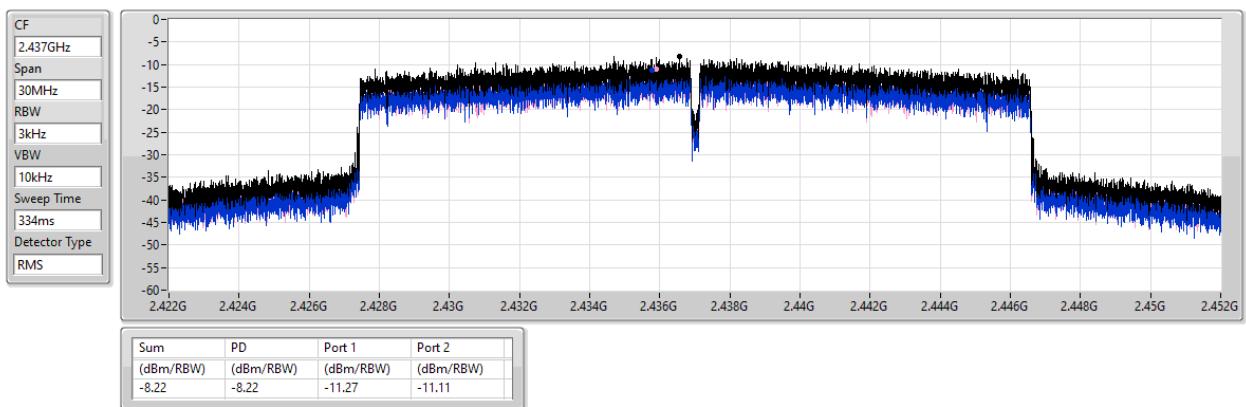
2412MHz



2.4-2.4835GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX

PSD

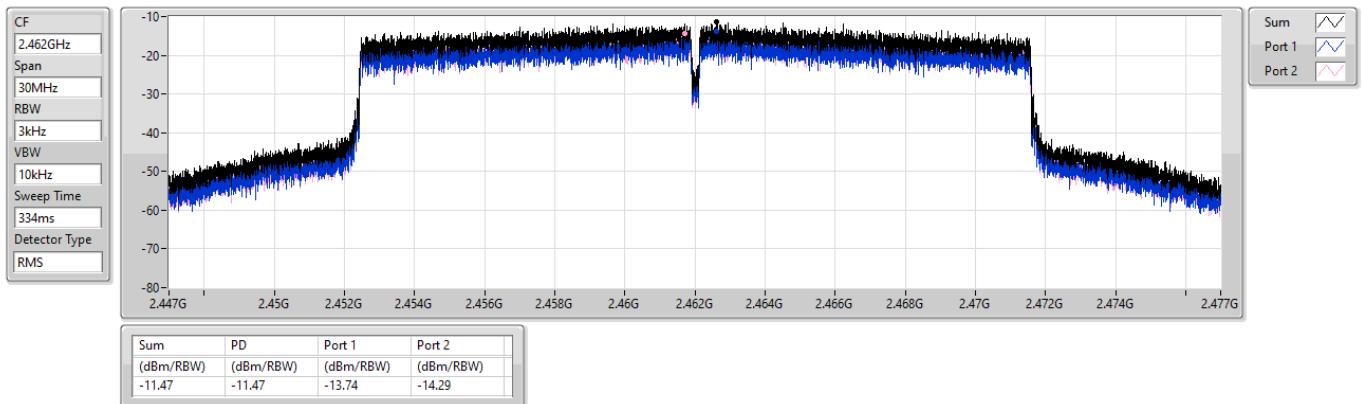
2437MHz



2.4-2.4835GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX

PSD

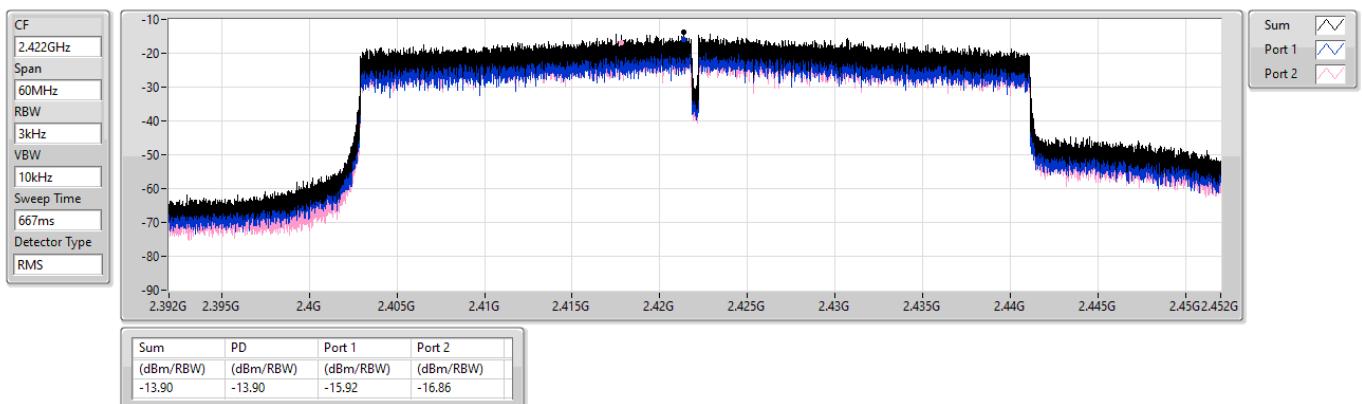
2462MHz



2.4-2.4835GHz\_802.11be EHT40\_Nss1,(MCS0)\_2TX

PSD

2422MHz

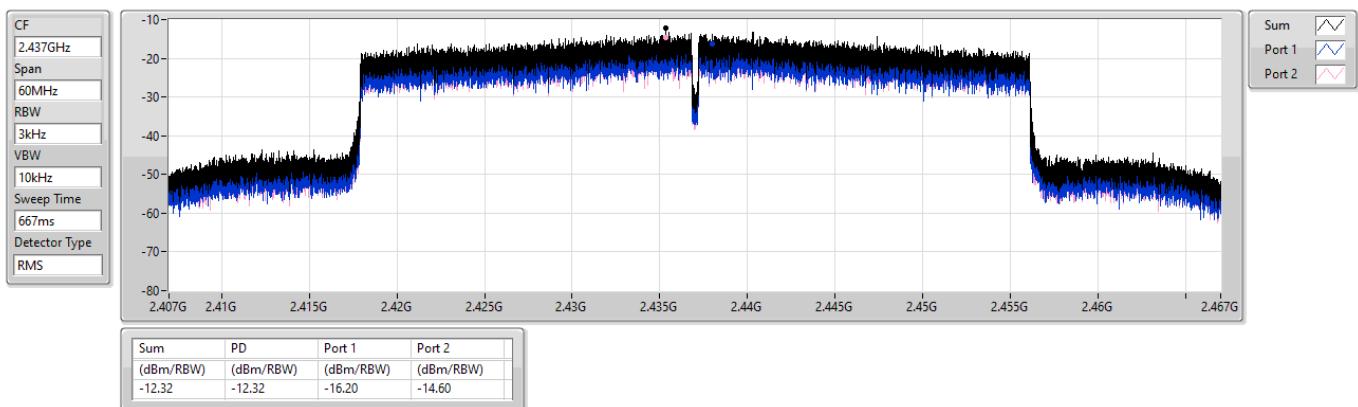




2.4-2.4835GHz\_802.11be EHT40\_Nss1,(MCS0)\_2TX

PSD

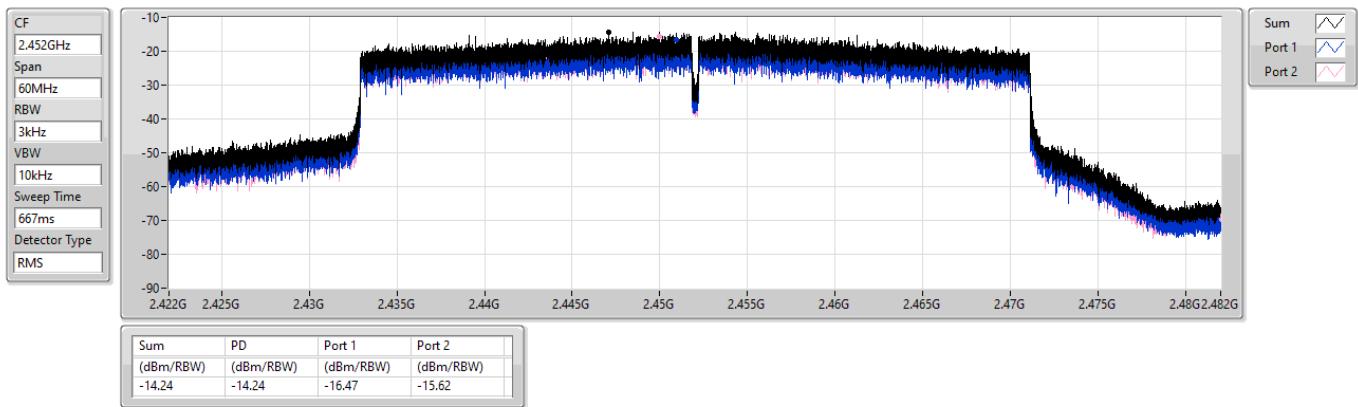
2437MHz



2.4-2.4835GHz\_802.11be EHT40\_Nss1,(MCS0)\_2TX

PSD

2452MHz



**Beamforming mode****Summary**

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-7.47
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-12.44

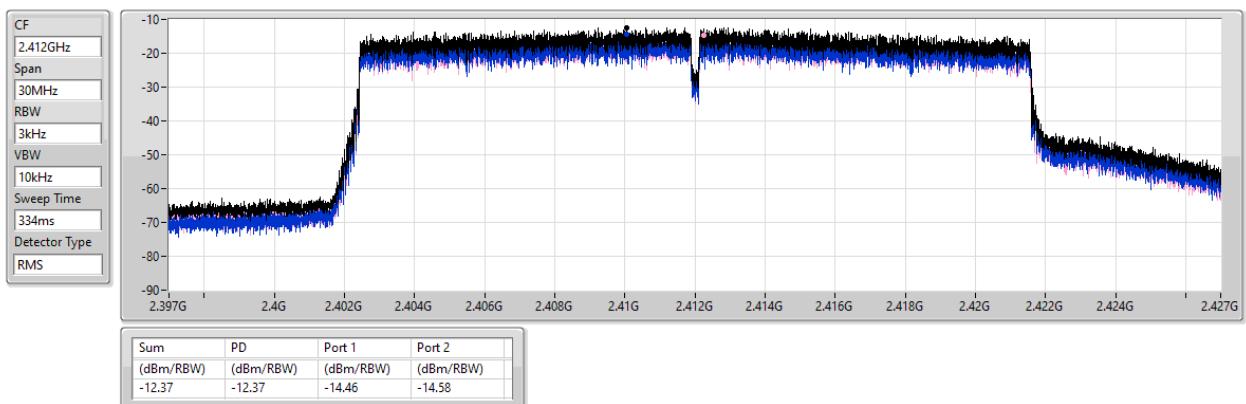
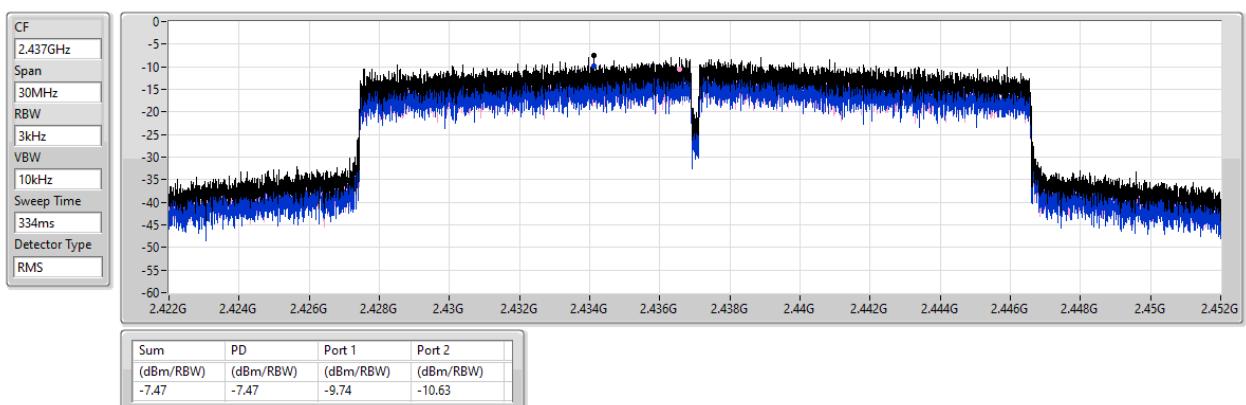
RBW = 3kHz;

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.890	-14.46	-14.58	-12.37	8.00
2437MHz	Pass	3.890	-9.74	-10.63	-7.47	8.00
2462MHz	Pass	3.890	-14.16	-13.96	-11.51	8.00
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	3.890	-16.18	-17.03	-14.22	8.00
2437MHz	Pass	3.890	-15.44	-14.18	-12.44	8.00
2452MHz	Pass	3.890	-16.43	-15.53	-13.62	8.00

DG = Directional Gain; RBW = 3kHz;

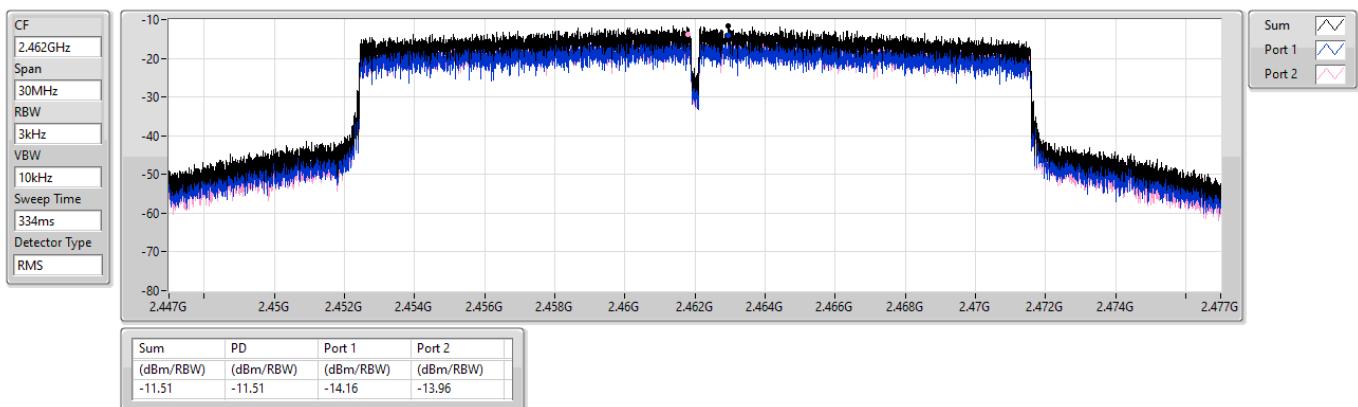
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;  
Directional Gain refers to antenna report.

**2.4-2.4835GHz\_802.11be EHT20-BF\_Nss1,(MCS0)\_2TX**
**PSD**
**2412MHz**

**2.4-2.4835GHz\_802.11be EHT20-BF\_Nss1,(MCS0)\_2TX**
**PSD**
**2437MHz**


2.4-2.4835GHz\_802.11be EHT20-BF\_Nss1,(MCS0)\_2TX

PSD

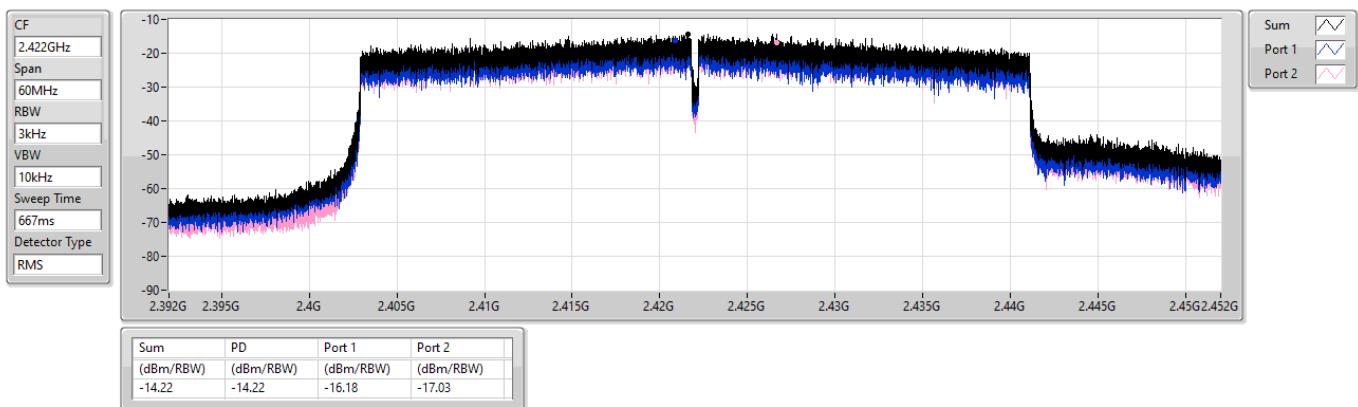
2462MHz



2.4-2.4835GHz\_802.11be EHT40-BF\_Nss1,(MCS0)\_2TX

PSD

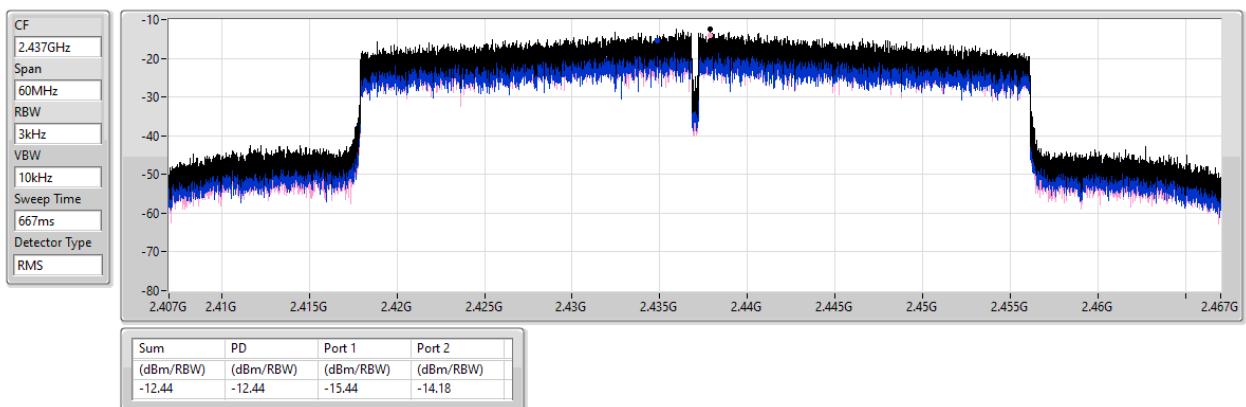
2422MHz



2.4-2.4835GHz\_802.11be EHT40-BF\_Nss1,(MCS0)\_2TX

PSD

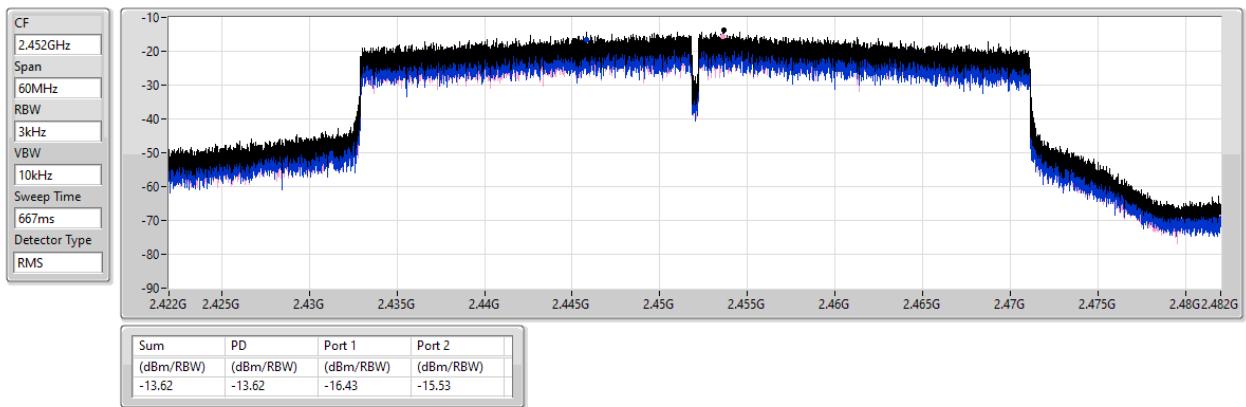
2437MHz

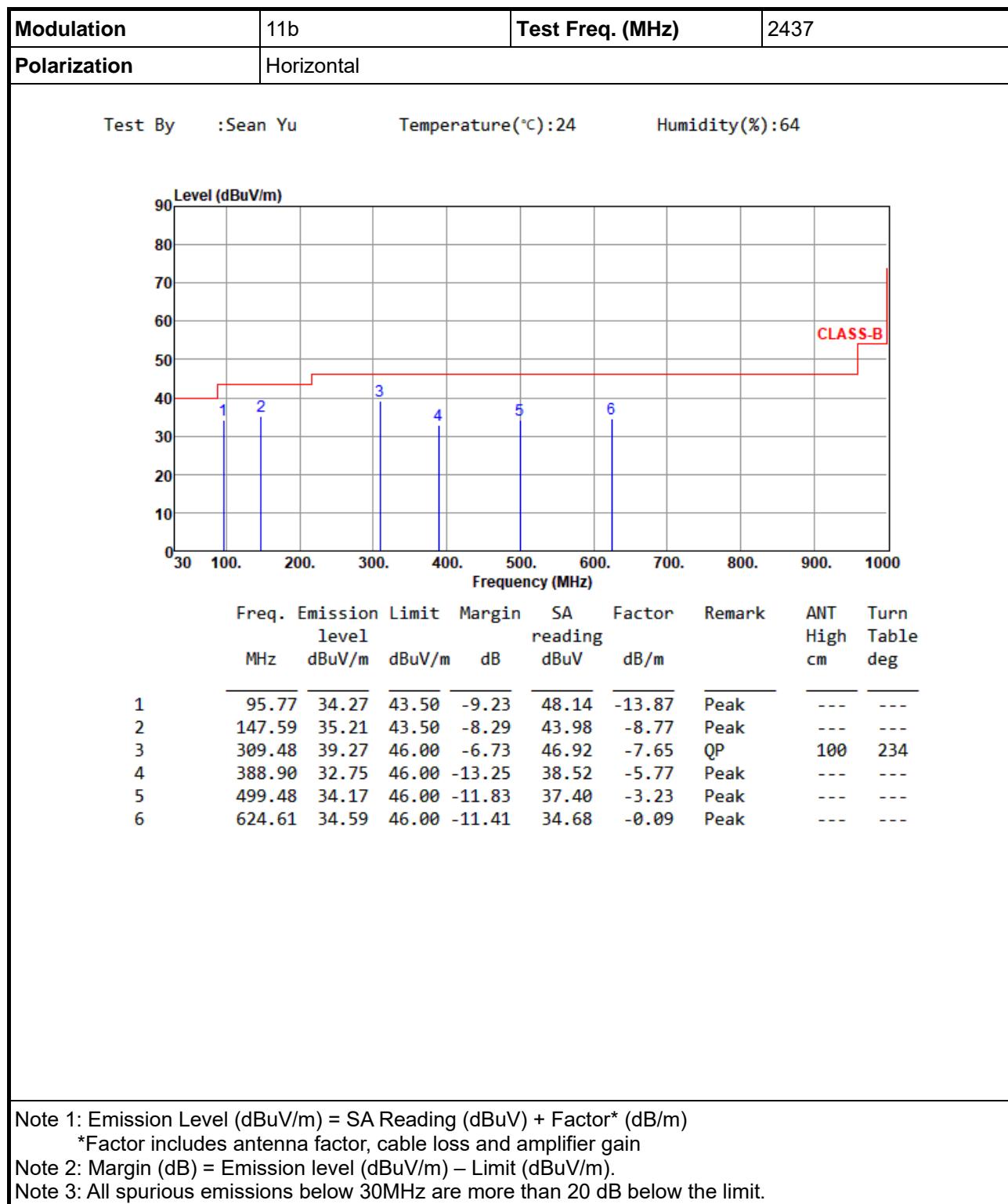


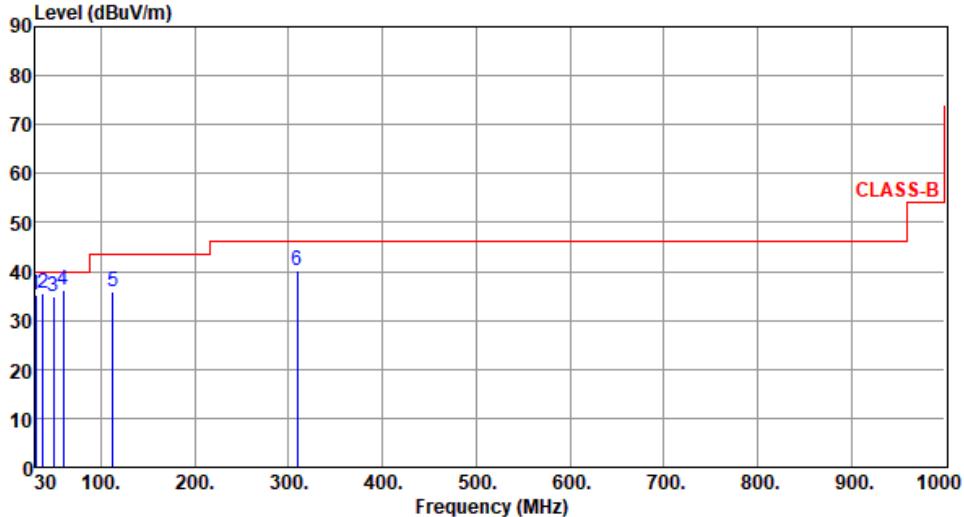
2.4-2.4835GHz\_802.11be EHT40-BF\_Nss1,(MCS0)\_2TX

PSD

2452MHz

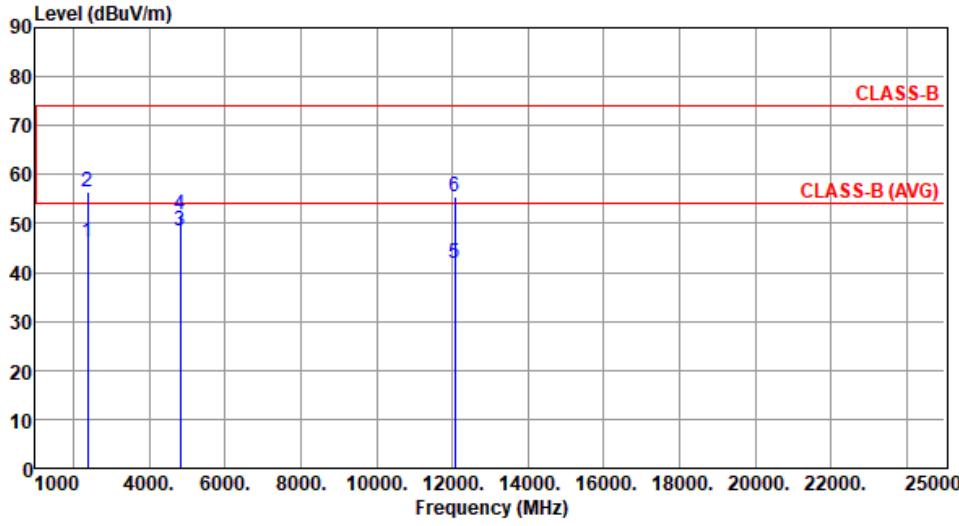


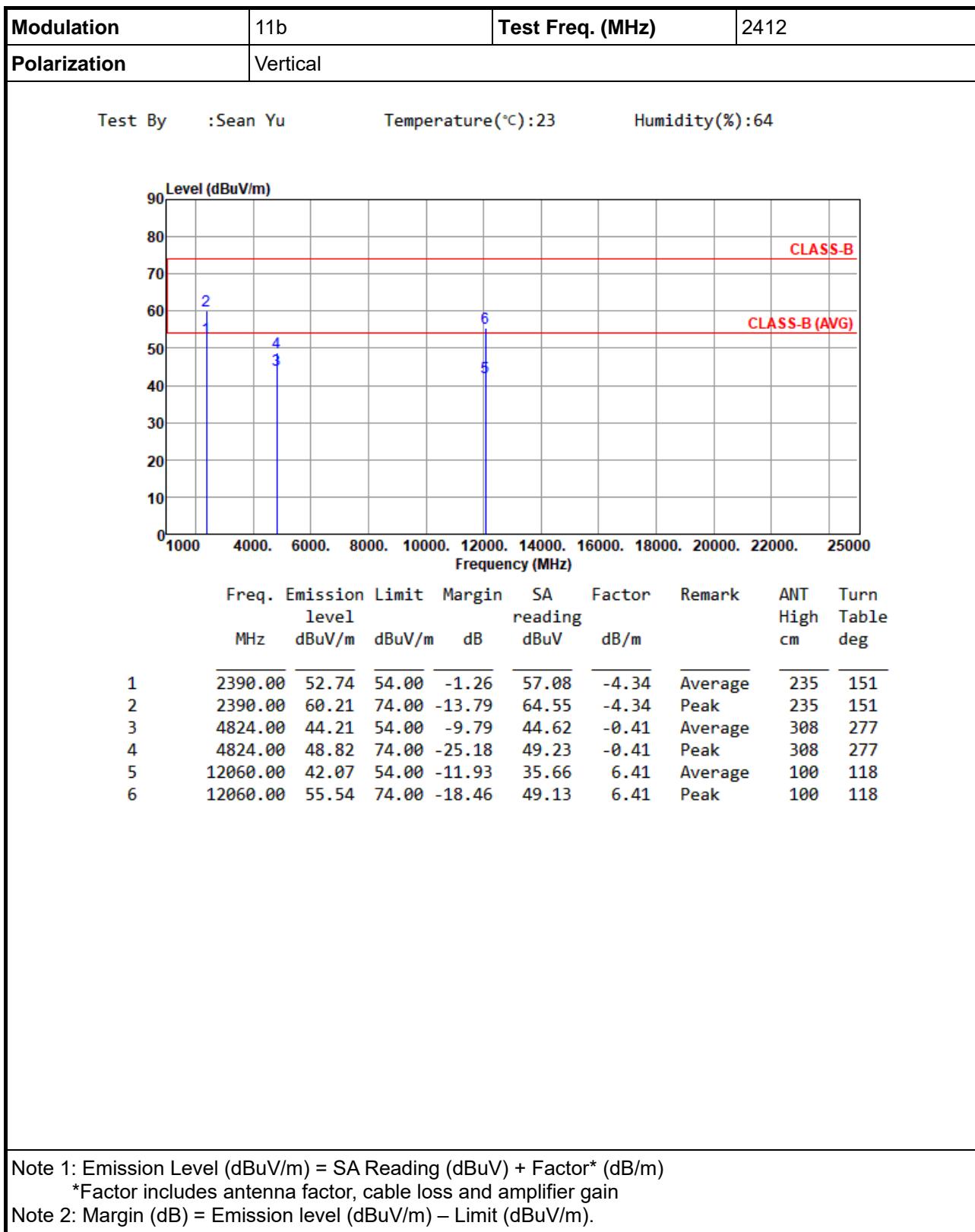
**Non-beamforming mode**
**Unwanted Emissions (Below 1GHz)**


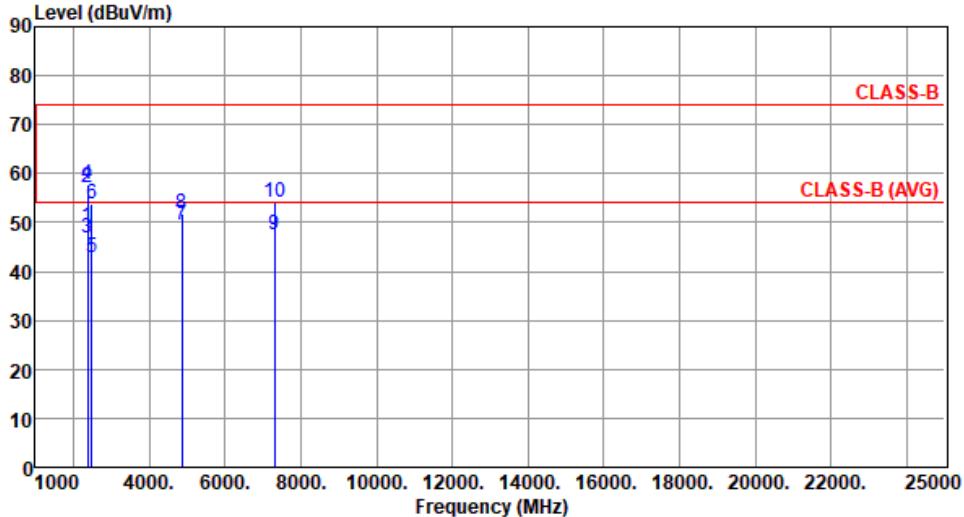
<b>Modulation</b>	11b	<b>Test Freq. (MHz)</b>	2437																																																															
<b>Polarization</b>	Vertical																																																																	
Test By	: Sean Yu	Temperature (°C): 24	Humidity (%): 64																																																															
																																																																		
<table border="1"> <thead> <tr> <th></th> <th>Freq. level MHz</th> <th>Emission Limit dBuV/m</th> <th>Margin dB</th> <th>SA reading dBuV</th> <th>Factor dB/m</th> <th>Remark</th> <th>ANT High cm</th> <th>Turn Table deg</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>30.00</td> <td>35.16</td> <td>40.00</td> <td>-4.84</td> <td>45.25</td> <td>-10.09</td> <td>QP</td> <td>100 47</td> </tr> <tr> <td>2</td> <td>37.76</td> <td>35.66</td> <td>40.00</td> <td>-4.34</td> <td>44.95</td> <td>-9.29</td> <td>QP</td> <td>100 151</td> </tr> <tr> <td>3</td> <td>49.40</td> <td>34.71</td> <td>40.00</td> <td>-5.29</td> <td>43.01</td> <td>-8.30</td> <td>QP</td> <td>100 123</td> </tr> <tr> <td>4</td> <td>60.07</td> <td>36.24</td> <td>40.00</td> <td>-3.76</td> <td>45.20</td> <td>-8.96</td> <td>QP</td> <td>100 255</td> </tr> <tr> <td>5</td> <td>112.45</td> <td>35.71</td> <td>43.50</td> <td>-7.79</td> <td>47.45</td> <td>-11.74</td> <td>Peak</td> <td>--- ---</td> </tr> <tr> <td>6</td> <td>309.58</td> <td>40.26</td> <td>46.00</td> <td>-5.74</td> <td>47.91</td> <td>-7.65</td> <td>Peak</td> <td>--- ---</td> </tr> </tbody> </table>					Freq. level MHz	Emission Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	30.00	35.16	40.00	-4.84	45.25	-10.09	QP	100 47	2	37.76	35.66	40.00	-4.34	44.95	-9.29	QP	100 151	3	49.40	34.71	40.00	-5.29	43.01	-8.30	QP	100 123	4	60.07	36.24	40.00	-3.76	45.20	-8.96	QP	100 255	5	112.45	35.71	43.50	-7.79	47.45	-11.74	Peak	--- ---	6	309.58	40.26	46.00	-5.74	47.91	-7.65	Peak	--- ---
	Freq. level MHz	Emission Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																										
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2	37.76	35.66	40.00	-4.34	44.95	-9.29	QP	100 151																																																										
3	49.40	34.71	40.00	-5.29	43.01	-8.30	QP	100 123																																																										
4	60.07	36.24	40.00	-3.76	45.20	-8.96	QP	100 255																																																										
5	112.45	35.71	43.50	-7.79	47.45	-11.74	Peak	--- ---																																																										
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<p>Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)  *Factor includes antenna factor, cable loss and amplifier gain</p> <p>Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).</p> <p>Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.</p>																																																																		



## Unwanted Emission (Above 1GHz) for 11b

Modulation	11b	Test Freq. (MHz)	2412						
Polarization	Horizontal								
Test By	:Sean Yu	Temperature (°C)	:23						
		Humidity (%)	:64						
									
Freq. MHz	Emission level dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg		
1	2390.00	46.13	54.00	-7.87	50.47	-4.34	Average	237	251
2	2390.00	56.51	74.00	-17.49	60.85	-4.34	Peak	237	251
3	4824.00	48.35	54.00	-5.65	48.76	-0.41	Average	286	216
4	4824.00	51.92	74.00	-22.08	52.33	-0.41	Peak	286	216
5	12060.00	41.87	54.00	-12.13	35.46	6.41	Average	100	173
6	12060.00	55.52	74.00	-18.48	49.11	6.41	Peak	100	173
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)									
*Factor includes antenna factor, cable loss and amplifier gain									
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).									



<b>Modulation</b>	11b	<b>Test Freq. (MHz)</b>	2437						
<b>Polarization</b>	Horizontal								
Test By	: Sean Yu	Temperature (°C): 23	Humidity (%): 64						
									
	<b>Freq.</b> MHz	<b>Emission level</b> dBuV/m	<b>Limit</b> dBuV/m	<b>Margin</b> dB	<b>SA reading</b> dBuV	<b>Factor</b> dB/m	<b>Remark</b>	<b>ANT High cm</b>	<b>Turn Table deg</b>
1	2377.00	49.09	54.00	-4.91	53.41	-4.32	Average	232	246
2	2377.00	57.15	74.00	-16.85	61.47	-4.32	Peak	232	246
3	2390.00	46.78	54.00	-7.22	51.12	-4.34	Average	232	246
4	2390.00	57.87	74.00	-16.13	62.21	-4.34	Peak	232	246
5	2483.50	42.96	54.00	-11.04	47.68	-4.72	Average	301	233
6	2483.50	53.76	74.00	-20.24	58.48	-4.72	Peak	301	233
7	4874.00	49.41	54.00	-4.59	49.90	-0.49	Average	295	217
8	4874.00	51.91	74.00	-22.09	52.40	-0.49	Peak	295	217
9	7311.00	47.61	54.00	-6.39	42.38	5.23	Average	286	162
10	7311.00	54.28	74.00	-19.72	49.05	5.23	Peak	286	162

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



Modulation	11b	Test Freq. (MHz)	2437					
Polarization	Vertical							
Test By	: Sean Yu	Temperature (°C): 23	Humidity (%): 64					
Freq. (MHz)	Emission Limit (dBuV/m)	Margin (dB)	SA reading (dBuV)	Factor (dB/m)	Remark	ANT High (cm)	Turn Table deg	
1	2377.00	53.68	54.00	-0.32	58.00	-4.32	Average	228 339
2	2377.00	62.01	74.00	-11.99	66.33	-4.32	Peak	228 339
3	2390.00	51.75	54.00	-2.25	56.09	-4.34	Average	228 339
4	2390.00	59.24	74.00	-14.76	63.58	-4.34	Peak	228 339
5	2483.50	48.07	54.00	-5.93	52.79	-4.72	Average	162 339
6	2483.50	57.12	74.00	-16.88	61.84	-4.72	Peak	162 339
7	4874.00	45.43	54.00	-8.57	45.92	-0.49	Average	307 270
8	4874.00	48.95	74.00	-25.05	49.44	-0.49	Peak	307 270
9	7311.00	45.37	54.00	-8.63	40.14	5.23	Average	225 145
10	7311.00	53.19	74.00	-20.81	47.96	5.23	Peak	225 145

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



Modulation	11b	Test Freq. (MHz)	2462																																																																																
Polarization	Horizontal																																																																																		
Test By	: Sean Yu	Temperature (°C): 23	Humidity (%): 64																																																																																
<table border="1"> <thead> <tr> <th>Freq. (MHz)</th> <th>Emission Limit (dBuV/m)</th> <th>Margin (dB)</th> <th>SA reading (dBuV)</th> <th>Factor (dB/m)</th> <th>Remark</th> <th>ANT High (cm)</th> <th>Turn Table deg</th> </tr> </thead> <tbody> <tr><td>2483.50</td><td>45.90</td><td>54.00</td><td>-8.10</td><td>50.62</td><td>-4.72</td><td>Average</td><td>288</td><td>241</td></tr> <tr><td>2483.50</td><td>56.61</td><td>74.00</td><td>-17.39</td><td>61.33</td><td>-4.72</td><td>Peak</td><td>288</td><td>241</td></tr> <tr><td>2491.00</td><td>47.23</td><td>54.00</td><td>-6.77</td><td>51.95</td><td>-4.72</td><td>Average</td><td>288</td><td>241</td></tr> <tr><td>2491.00</td><td>56.23</td><td>74.00</td><td>-17.77</td><td>60.95</td><td>-4.72</td><td>Peak</td><td>288</td><td>241</td></tr> <tr><td>4924.00</td><td>48.22</td><td>54.00</td><td>-5.78</td><td>48.66</td><td>-0.44</td><td>Average</td><td>298</td><td>233</td></tr> <tr><td>4924.00</td><td>52.67</td><td>74.00</td><td>-21.33</td><td>53.11</td><td>-0.44</td><td>Peak</td><td>298</td><td>233</td></tr> <tr><td>7386.00</td><td>46.56</td><td>54.00</td><td>-7.44</td><td>41.47</td><td>5.09</td><td>Average</td><td>288</td><td>157</td></tr> <tr><td>7386.00</td><td>53.67</td><td>74.00</td><td>-20.33</td><td>48.58</td><td>5.09</td><td>Peak</td><td>288</td><td>157</td></tr> </tbody> </table>				Freq. (MHz)	Emission Limit (dBuV/m)	Margin (dB)	SA reading (dBuV)	Factor (dB/m)	Remark	ANT High (cm)	Turn Table deg	2483.50	45.90	54.00	-8.10	50.62	-4.72	Average	288	241	2483.50	56.61	74.00	-17.39	61.33	-4.72	Peak	288	241	2491.00	47.23	54.00	-6.77	51.95	-4.72	Average	288	241	2491.00	56.23	74.00	-17.77	60.95	-4.72	Peak	288	241	4924.00	48.22	54.00	-5.78	48.66	-0.44	Average	298	233	4924.00	52.67	74.00	-21.33	53.11	-0.44	Peak	298	233	7386.00	46.56	54.00	-7.44	41.47	5.09	Average	288	157	7386.00	53.67	74.00	-20.33	48.58	5.09	Peak	288	157
Freq. (MHz)	Emission Limit (dBuV/m)	Margin (dB)	SA reading (dBuV)	Factor (dB/m)	Remark	ANT High (cm)	Turn Table deg																																																																												
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2491.00	56.23	74.00	-17.77	60.95	-4.72	Peak	288	241																																																																											
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Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



Modulation	11b	Test Freq. (MHz)	2462						
Polarization	Vertical								
Test By	: Sean Yu	Temperature (°C): 23	Humidity (%): 64						
	Freq. level MHz	Emission Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	
1	2483.50	50.81	54.00	-3.19	55.53	-4.72	Average	186	348
2	2483.50	57.84	74.00	-16.16	62.56	-4.72	Peak	186	348
3	2491.00	53.05	54.00	-0.95	57.77	-4.72	Average	242	333
4	2491.00	59.76	74.00	-14.24	64.48	-4.72	Peak	242	333
5	4924.00	44.02	54.00	-9.98	44.46	-0.44	Average	311	272
6	4924.00	48.13	74.00	-25.87	48.57	-0.44	Peak	311	272
7	7386.00	44.96	54.00	-9.04	39.87	5.09	Average	217	150
8	7386.00	52.53	74.00	-21.47	47.44	5.09	Peak	217	150

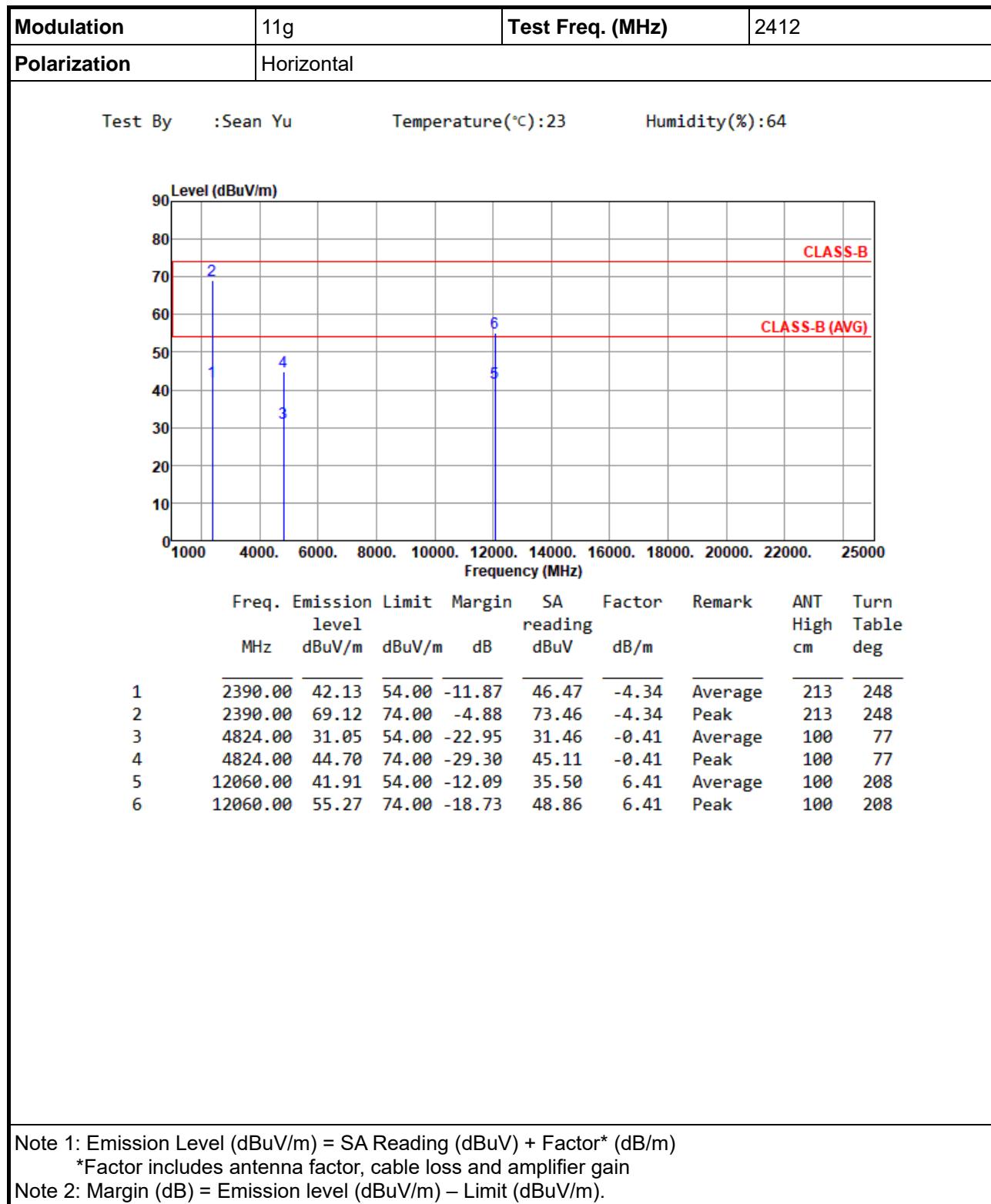
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



## Unwanted Emissions (Above 1GHz) for 11g



<b>Modulation</b>	11g	<b>Test Freq. (MHz)</b>	2412						
<b>Polarization</b>	Vertical								
Test By	: Sean Yu	Temperature (°C): 23	Humidity (%): 64						
Freq. (MHz)	Emission level (dBuV/m)	Margin (dB)	SA reading (dBuV)	Factor (dB/m)	Remark	ANT High (cm)	Turn Table deg		
1	2390.00	46.48	54.00	-7.52	50.82	-4.34	Average	236	155
2	2390.00	73.55	74.00	-0.45	77.89	-4.34	Peak	236	155
3	4824.00	31.45	54.00	-22.55	31.86	-0.41	Average	100	178
4	4824.00	44.72	74.00	-29.28	45.13	-0.41	Peak	100	178
5	12060.00	41.95	54.00	-12.05	35.54	6.41	Average	100	223
6	12060.00	55.17	74.00	-18.83	48.76	6.41	Peak	100	223

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor, cable loss and amplifier gain

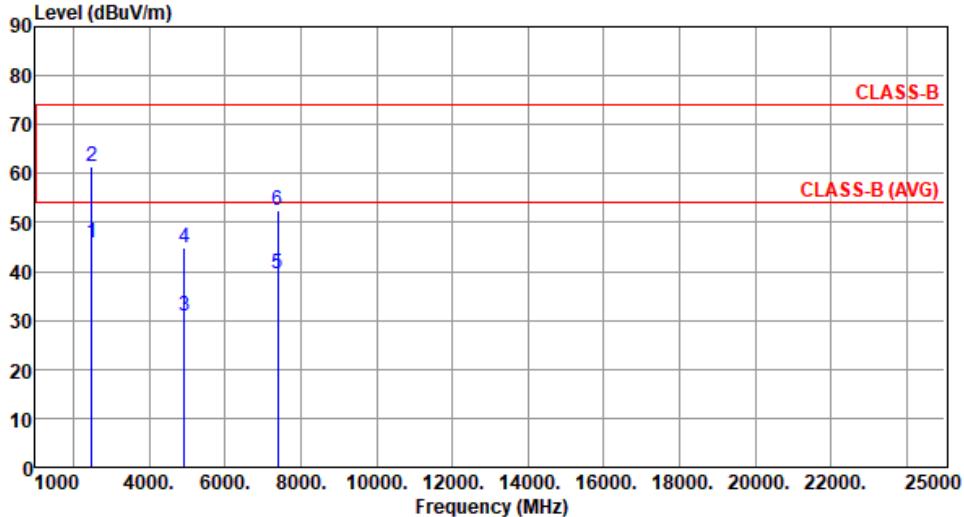
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



Modulation	11g	Test Freq. (MHz)	2437																																																																																									
Polarization	Horizontal																																																																																											
Test By	: Sean Yu	Temperature (°C): 23	Humidity (%): 64																																																																																									
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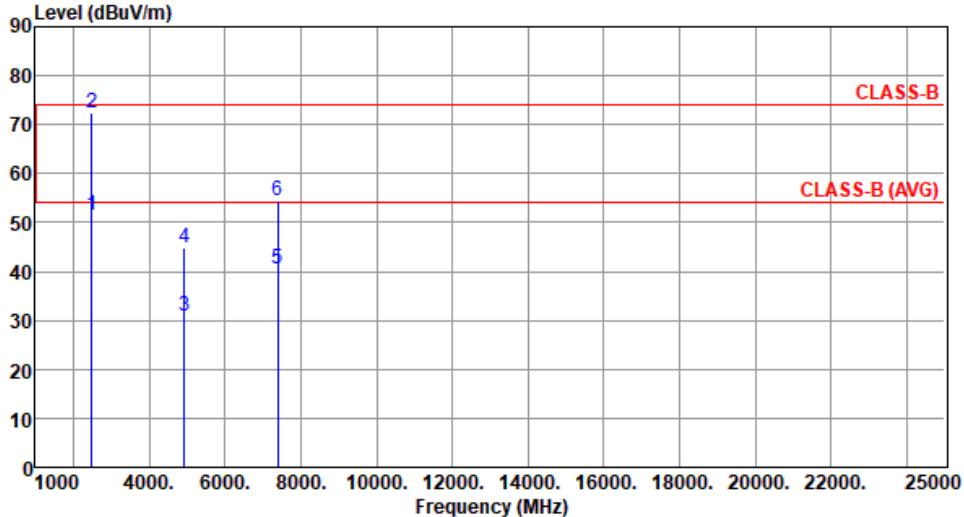
Modulation	11g	Test Freq. (MHz)	2437																																																																																
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<b>Modulation</b>	11g	<b>Test Freq. (MHz)</b>	2462						
<b>Polarization</b>	Horizontal								
Test By	: Sean Yu	Temperature (°C): 23	Humidity (%): 64						
									
	Freq. (MHz)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	SA reading (dBuV)	Factor (dB/m)	Remark	ANT High (cm)	Turn Table deg
1	2483.50	46.00	54.00	-8.00	50.72	-4.72	Average	283	241
2	2483.50	61.49	74.00	-12.51	66.21	-4.72	Peak	283	241
3	4924.00	31.02	54.00	-22.98	31.46	-0.44	Average	100	177
4	4924.00	44.82	74.00	-29.18	45.26	-0.44	Peak	100	177
5	7386.00	39.43	54.00	-14.57	34.34	5.09	Average	100	188
6	7386.00	52.53	74.00	-21.47	47.44	5.09	Peak	100	188

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor, cable loss and amplifier gain

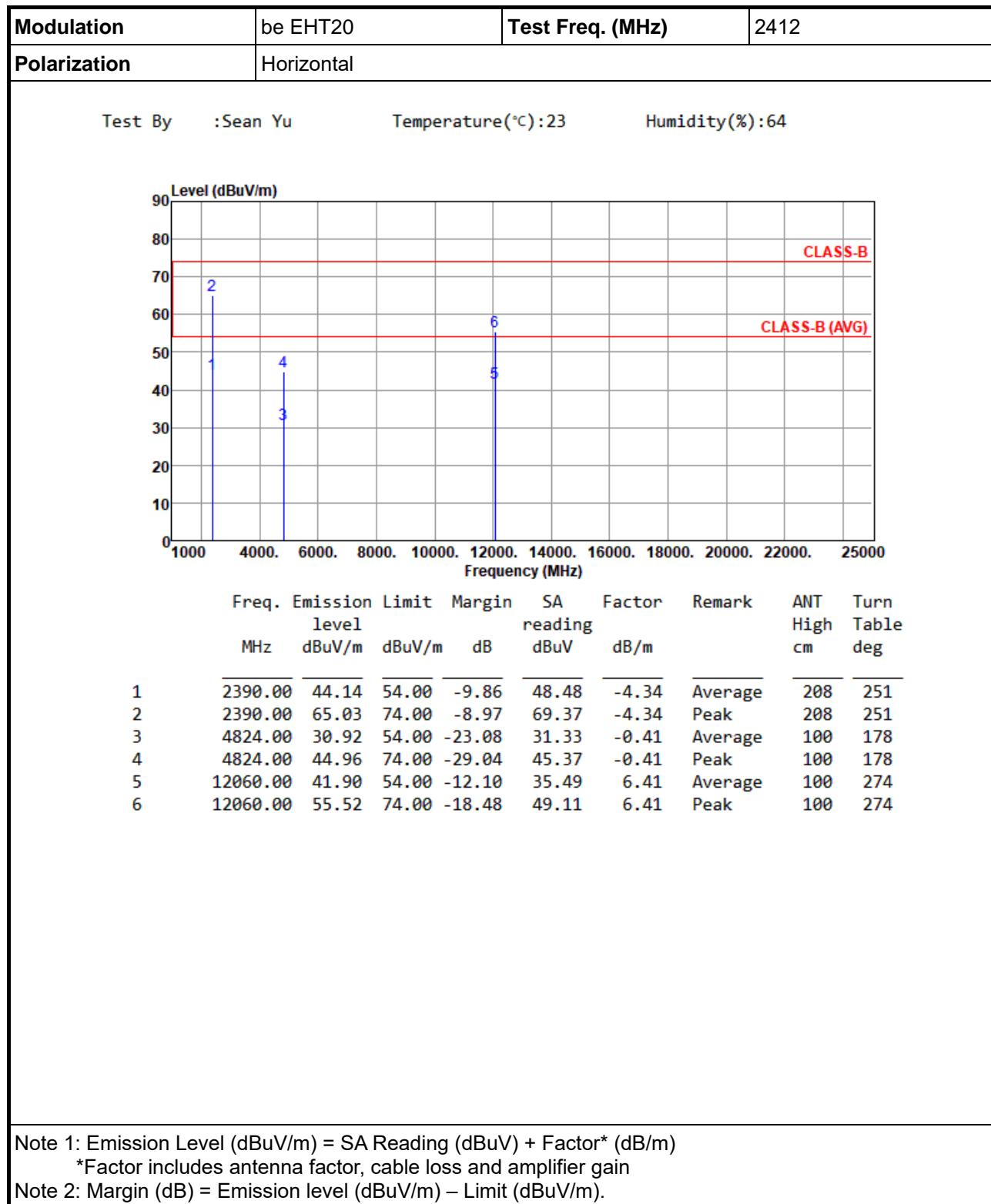
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

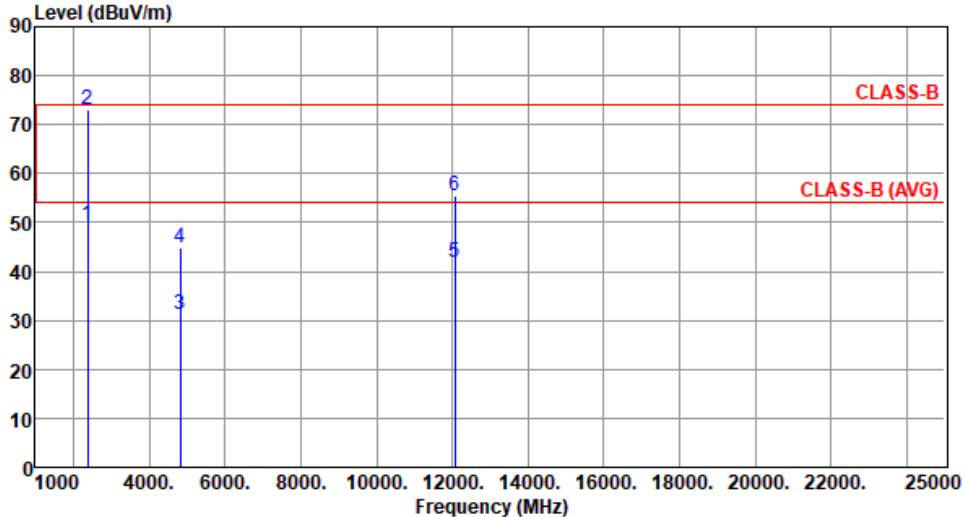
<b>Modulation</b>	11g	<b>Test Freq. (MHz)</b>	2462						
<b>Polarization</b>	Vertical								
Test By	: Sean Yu	Temperature (°C): 23	Humidity (%): 64						
									
	<b>Freq.</b> MHz	<b>Emission level</b> dBuV/m	<b>Limit</b> dBuV/m	<b>Margin</b> dB	<b>SA reading</b> dBuV	<b>Factor</b> dB/m	<b>Remark</b>	<b>ANT High cm</b>	<b>Turn Table deg</b>
1	2483.50	51.44	54.00	-2.56	56.16	-4.72	Average	213	351
2	2483.50	72.31	74.00	-1.69	77.03	-4.72	Peak	213	351
3	4924.00	30.85	54.00	-23.15	31.29	-0.44	Average	100	278
4	4924.00	44.83	74.00	-29.17	45.27	-0.44	Peak	100	278
5	7386.00	40.36	54.00	-13.64	35.27	5.09	Average	100	287
6	7386.00	54.37	74.00	-19.63	49.28	5.09	Peak	100	287

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

**Unwanted Emissions (Above 1GHz) for be EHT20**


<b>Modulation</b>	be EHT20	<b>Test Freq. (MHz)</b>	2412																																																														
<b>Polarization</b>	Vertical																																																																
Test By	: Sean Yu	Temperature (°C): 23	Humidity (%): 64																																																														
																																																																	
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Freq. (MHz)	Emission Limit (dBuV/m)	Margin (dB)	SA reading (dBuV)	Factor* (dB/m)	Remark	ANT High (cm)	Turn Table deg																																																										
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Modulation	be EHT20	Test Freq. (MHz)	2437						
Polarization	Horizontal								
Test By	: Sean Yu	Temperature (°C): 23	Humidity (%): 64						
Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	
1	2390.00	46.68	54.00	-7.32	51.02	-4.34	Average	208	241
2	2390.00	66.98	74.00	-7.02	71.32	-4.34	Peak	208	241
3	2483.50	46.04	54.00	-7.96	50.76	-4.72	Average	208	241
4	2483.50	61.79	74.00	-12.21	66.51	-4.72	Peak	208	241
5	4874.00	30.98	54.00	-23.02	31.47	-0.49	Average	100	213
6	4874.00	44.83	74.00	-29.17	45.32	-0.49	Peak	100	213
7	7311.00	39.50	54.00	-14.50	34.27	5.23	Average	100	182
8	7311.00	53.55	74.00	-20.45	48.32	5.23	Peak	100	182

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

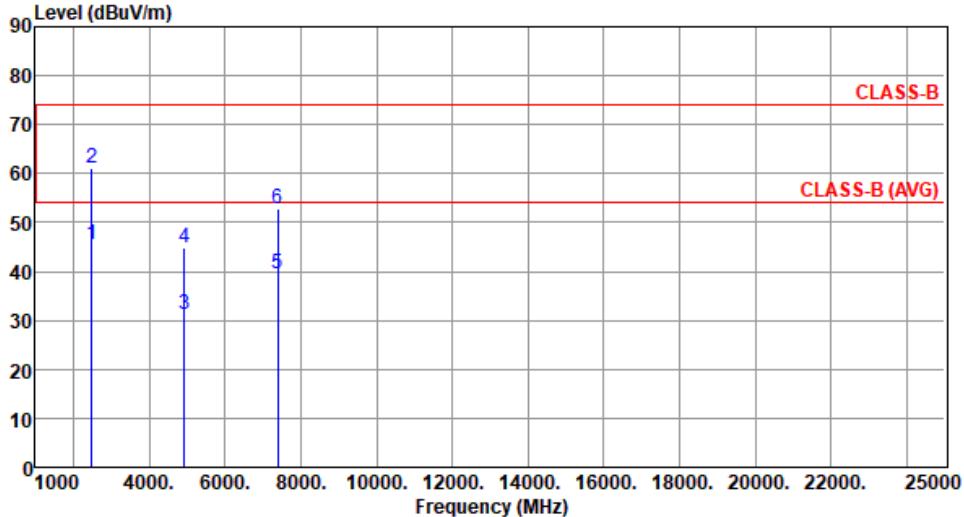


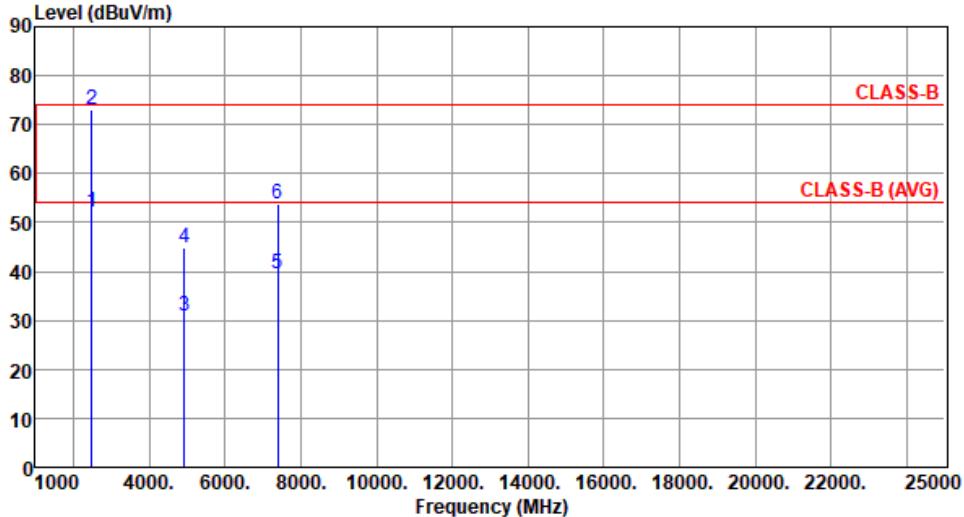
Modulation	be EHT20	Test Freq. (MHz)	2437						
Polarization	Vertical								
Test By	: Sean Yu	Temperature (°C): 23	Humidity (%): 64						
Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	
1	2390.00	52.06	54.00	-1.94	56.40	-4.34	Average	226	1
2	2390.00	73.24	74.00	-0.76	77.58	-4.34	Peak	226	1
3	2483.50	51.32	54.00	-2.68	56.04	-4.72	Average	199	347
4	2483.50	69.74	74.00	-4.26	74.46	-4.72	Peak	199	347
5	4874.00	31.02	54.00	-22.98	31.51	-0.49	Average	100	208
6	4874.00	44.83	74.00	-29.17	45.32	-0.49	Peak	100	208
7	7311.00	40.86	54.00	-13.14	35.63	5.23	Average	100	288
8	7311.00	54.60	74.00	-19.40	49.37	5.23	Peak	100	288

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

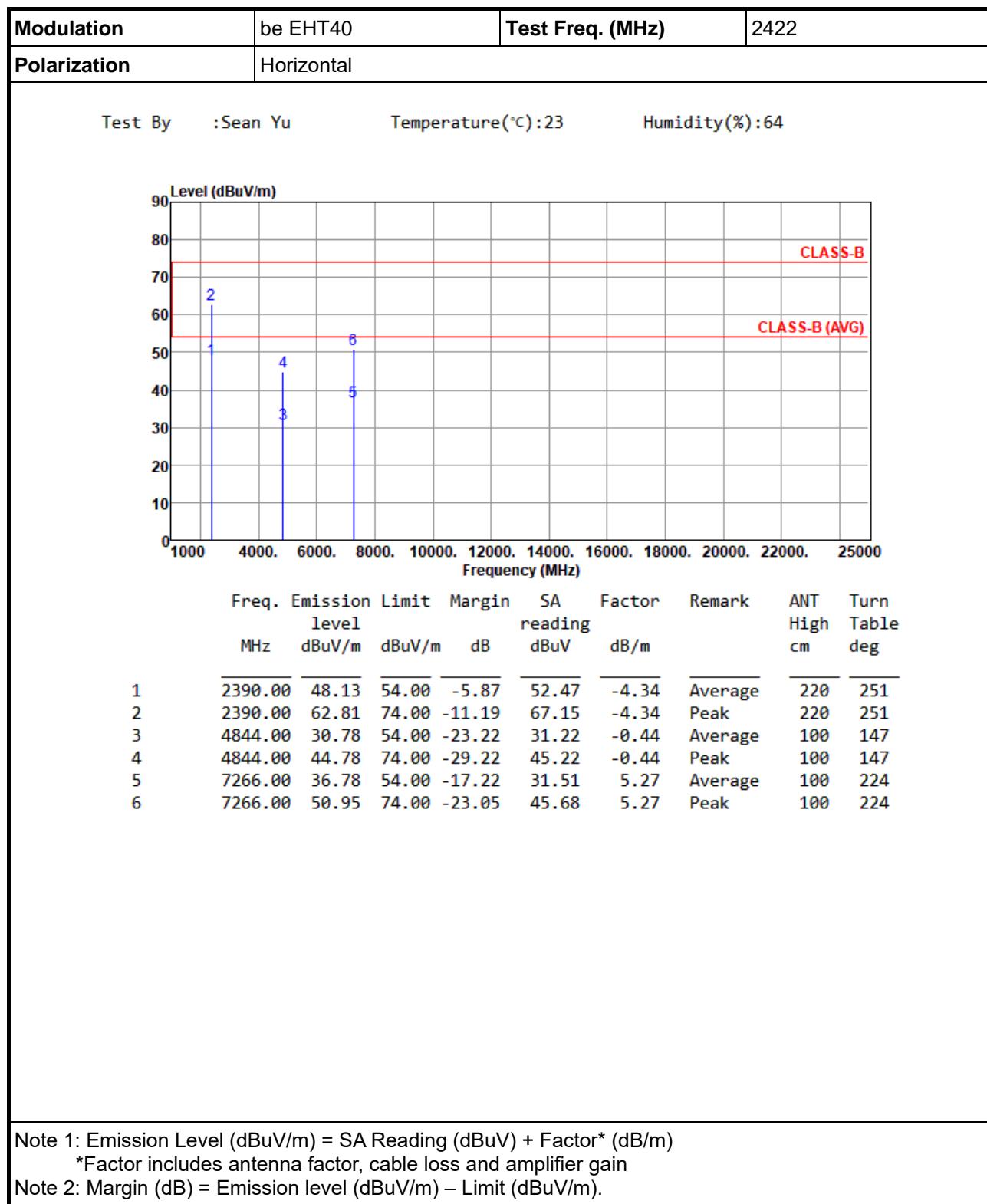
<b>Modulation</b>	be EHT20	<b>Test Freq. (MHz)</b>	2462																																																																										
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Test By	: Sean Yu	Temperature (°C): 23	Humidity (%): 64																																																																										
																																																																													
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1	2483.50	45.41	54.00	-8.59	50.13	-4.72	Average	286	255																																																																				
2	2483.50	61.05	74.00	-12.95	65.77	-4.72	Peak	286	255																																																																				
3	4924.00	31.12	54.00	-22.88	31.56	-0.44	Average	100	176																																																																				
4	4924.00	44.93	74.00	-29.07	45.37	-0.44	Peak	100	176																																																																				
5	7386.00	39.37	54.00	-14.63	34.28	5.09	Average	100	190																																																																				
6	7386.00	52.68	74.00	-21.32	47.59	5.09	Peak	100	190																																																																				
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor, cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).																																																																													

<b>Modulation</b>	be EHT20	<b>Test Freq. (MHz)</b>	2462						
<b>Polarization</b>	Vertical								
Test By	: Sean Yu	Temperature (°C): 23	Humidity (%): 64						
									
	<b>Freq.</b> MHz	<b>Emission level</b> dBuV/m	<b>Limit</b> dBuV/m	<b>Margin</b> dB	<b>SA reading</b> dBuV	<b>Factor</b> dB/m	<b>Remark</b>	<b>ANT High cm</b>	<b>Turn Table deg</b>
1	2483.50	52.14	54.00	-1.86	56.86	-4.72	Average	301	209
2	2483.50	73.09	74.00	-0.91	77.81	-4.72	Peak	301	209
3	4924.00	30.82	54.00	-23.18	31.26	-0.44	Average	100	106
4	4924.00	44.89	74.00	-29.11	45.33	-0.44	Peak	100	106
5	7386.00	39.36	54.00	-14.64	34.27	5.09	Average	100	284
6	7386.00	53.86	74.00	-20.14	48.77	5.09	Peak	100	284

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

**Unwanted Emissions (Above 1GHz) for be EHT40**


<b>Modulation</b>	be EHT40	<b>Test Freq. (MHz)</b>	2422																																																																				
<b>Polarization</b>	Vertical																																																																						
Test By	: Sean Yu	Temperature (°C): 23	Humidity (%): 64																																																																				
<table> <thead> <tr> <th>Freq. (MHz)</th> <th>Emission level (dBuV/m)</th> <th>Margin (dB)</th> <th>SA reading (dBuV)</th> <th>Factor (dB/m)</th> <th>Remark</th> <th>ANT High (cm)</th> <th>Turn Table deg</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2390.00</td> <td>52.16</td> <td>54.00</td> <td>-1.84</td> <td>56.50</td> <td>-4.34</td> <td>Average</td> <td>180</td> <td>351</td> </tr> <tr> <td>2</td> <td>2390.00</td> <td>67.02</td> <td>74.00</td> <td>-6.98</td> <td>71.36</td> <td>-4.34</td> <td>Peak</td> <td>180</td> <td>351</td> </tr> <tr> <td>3</td> <td>4844.00</td> <td>31.07</td> <td>54.00</td> <td>-22.93</td> <td>31.51</td> <td>-0.44</td> <td>Average</td> <td>100</td> <td>148</td> </tr> <tr> <td>4</td> <td>4844.00</td> <td>44.79</td> <td>74.00</td> <td>-29.21</td> <td>45.23</td> <td>-0.44</td> <td>Peak</td> <td>100</td> <td>148</td> </tr> <tr> <td>5</td> <td>7266.00</td> <td>36.84</td> <td>54.00</td> <td>-17.16</td> <td>31.57</td> <td>5.27</td> <td>Average</td> <td>100</td> <td>208</td> </tr> <tr> <td>6</td> <td>7266.00</td> <td>50.60</td> <td>74.00</td> <td>-23.40</td> <td>45.33</td> <td>5.27</td> <td>Peak</td> <td>100</td> <td>208</td> </tr> </tbody> </table>				Freq. (MHz)	Emission level (dBuV/m)	Margin (dB)	SA reading (dBuV)	Factor (dB/m)	Remark	ANT High (cm)	Turn Table deg	1	2390.00	52.16	54.00	-1.84	56.50	-4.34	Average	180	351	2	2390.00	67.02	74.00	-6.98	71.36	-4.34	Peak	180	351	3	4844.00	31.07	54.00	-22.93	31.51	-0.44	Average	100	148	4	4844.00	44.79	74.00	-29.21	45.23	-0.44	Peak	100	148	5	7266.00	36.84	54.00	-17.16	31.57	5.27	Average	100	208	6	7266.00	50.60	74.00	-23.40	45.33	5.27	Peak	100	208
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Modulation	be EHT40	Test Freq. (MHz)	2437																																																																																
Polarization	Horizontal																																																																																		
Test By	: Sean Yu	Temperature (°C): 23	Humidity (%): 64																																																																																
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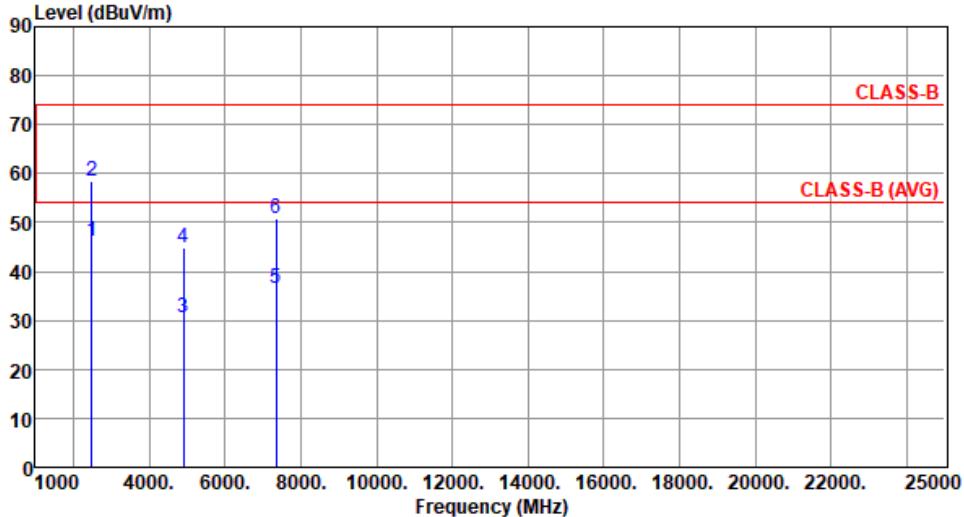


Modulation	be EHT40	Test Freq. (MHz)	2437																																																																																																
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Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor, cable loss and amplifier gain

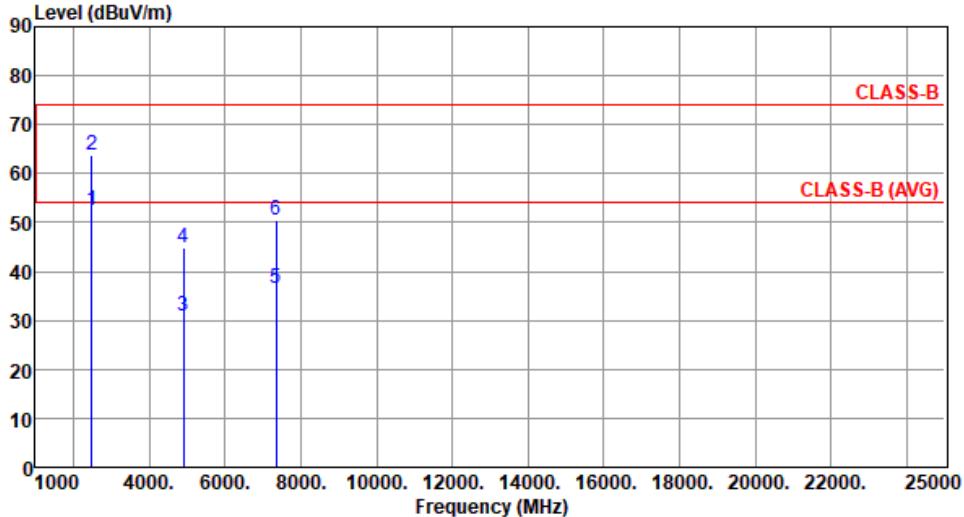
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

<b>Modulation</b>	be EHT40	<b>Test Freq. (MHz)</b>	2452						
<b>Polarization</b>	Horizontal								
Test By	: Sean Yu	Temperature (°C): 23	Humidity (%): 64						
									
	<b>Freq.</b> MHz	<b>Emission level</b> dBuV/m	<b>Limit</b> dBuV/m	<b>Margin</b> dB	<b>SA reading</b> dBuV	<b>Factor</b> dB/m	<b>Remark</b>	<b>ANT High cm</b>	<b>Turn Table deg</b>
1	2483.50	46.30	54.00	-7.70	51.02	-4.72	Average	288	238
2	2483.50	58.41	74.00	-15.59	63.13	-4.72	Peak	288	238
3	4904.00	30.63	54.00	-23.37	31.15	-0.52	Average	100	175
4	4904.00	44.73	74.00	-29.27	45.25	-0.52	Peak	100	175
5	7356.00	36.54	54.00	-17.46	31.43	5.11	Average	100	204
6	7356.00	50.78	74.00	-23.22	45.67	5.11	Peak	100	204

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor, cable loss and amplifier gain

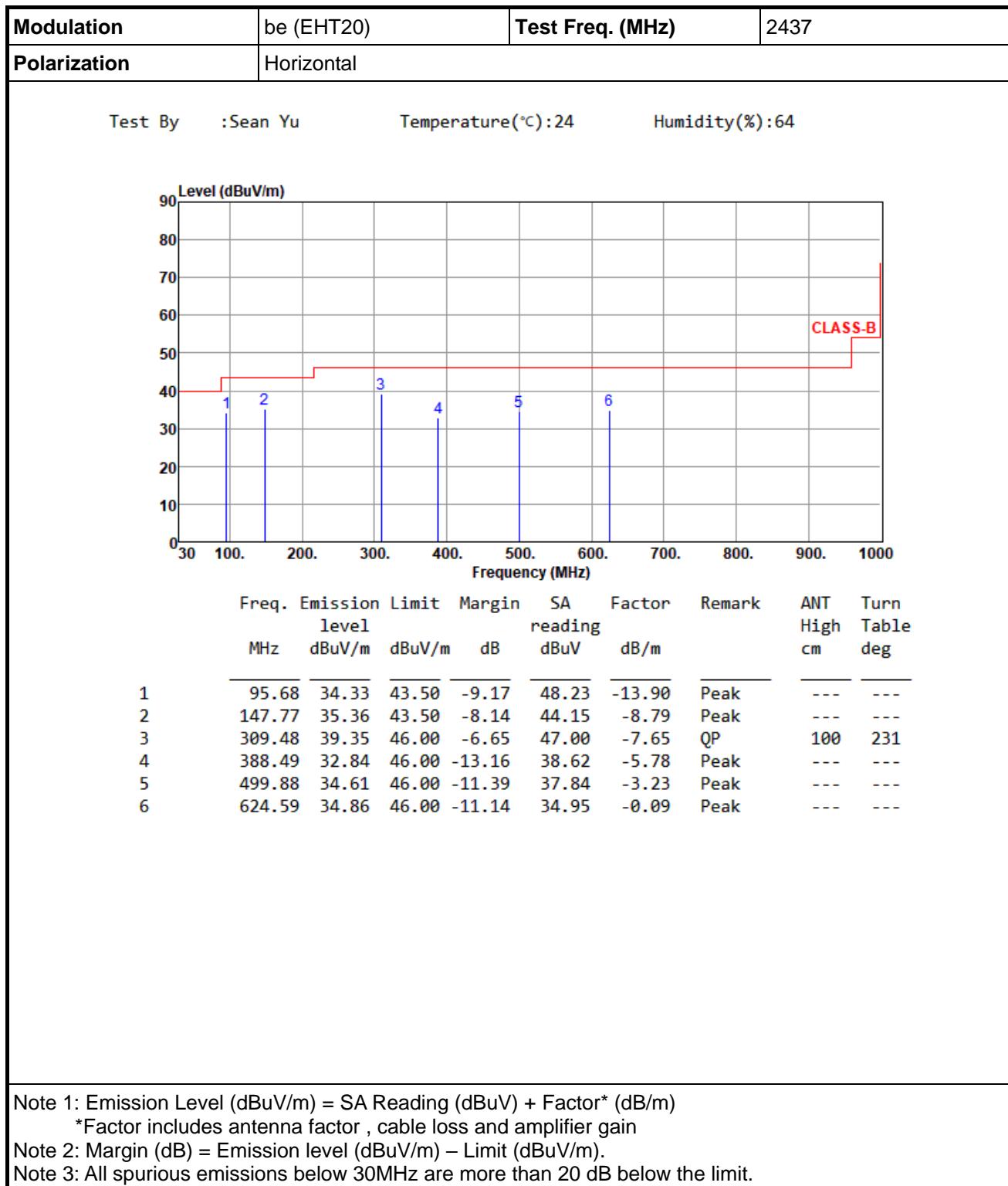
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

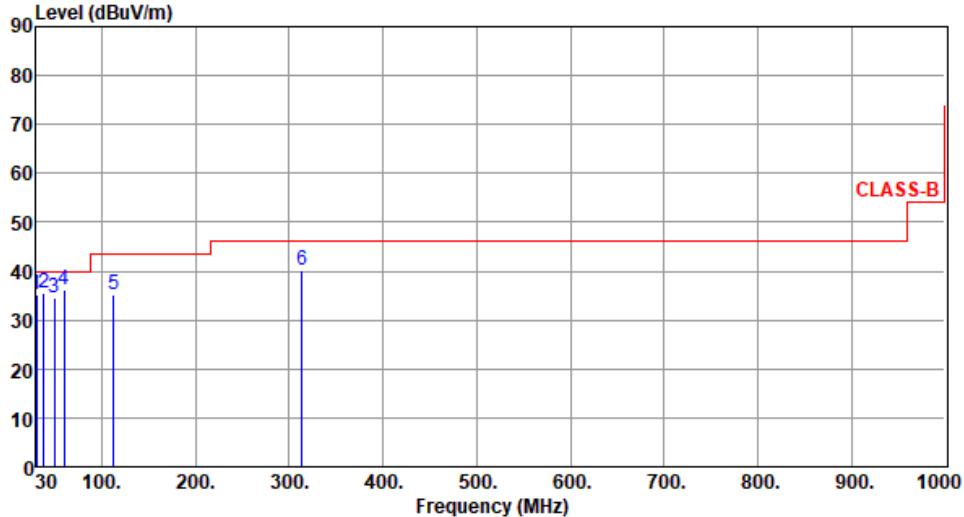
<b>Modulation</b>	be EHT40	<b>Test Freq. (MHz)</b>	2452																																																																					
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Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

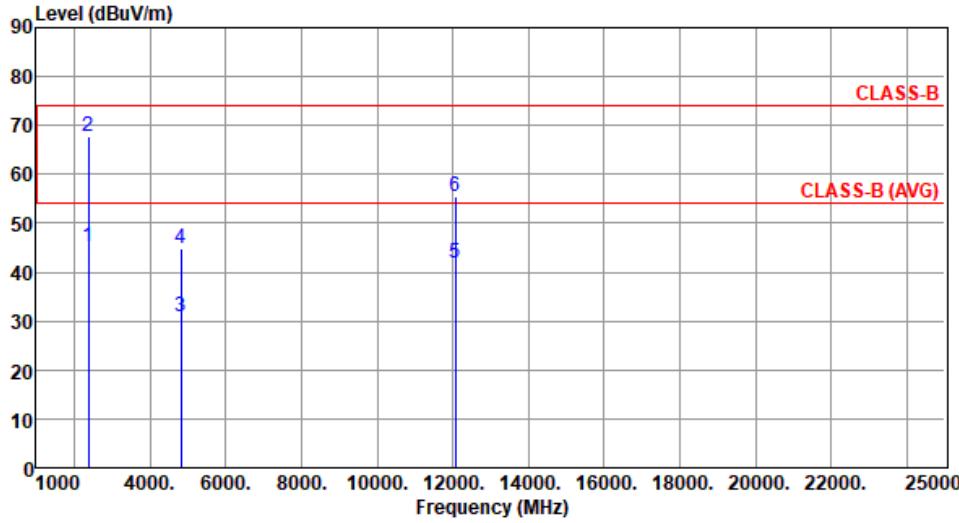
\*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

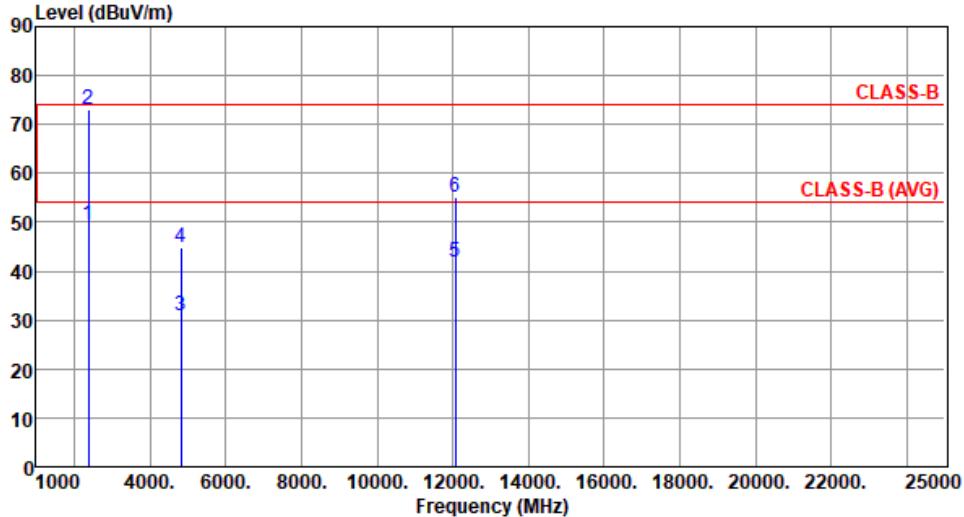
**Beamforming mode**
**Unwanted Emissions (Below 1GHz)**


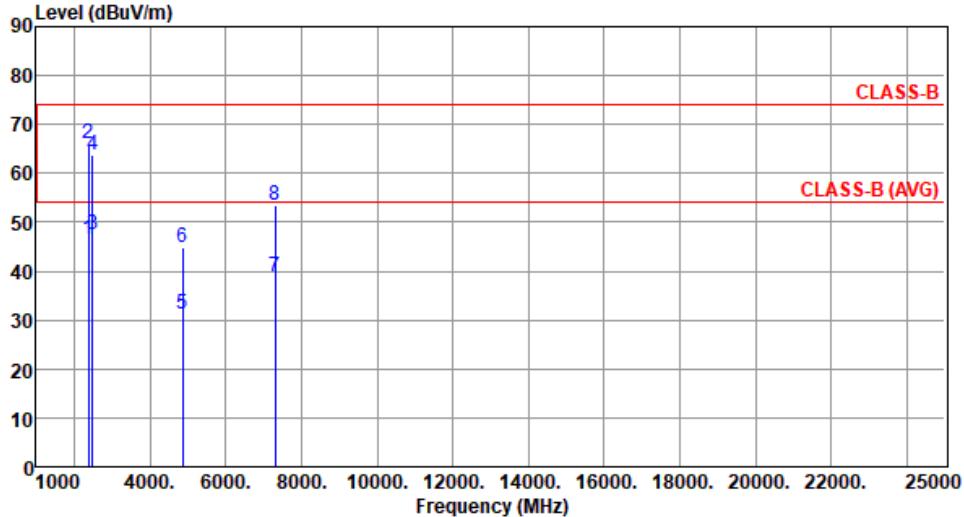
Modulation	be (EHT20)	Test Freq. (MHz)	2437																																																																												
Polarization	Vertical																																																																														
Test By	: Sean Yu	Temperature (°C): 24	Humidity (%): 64																																																																												
																																																																															
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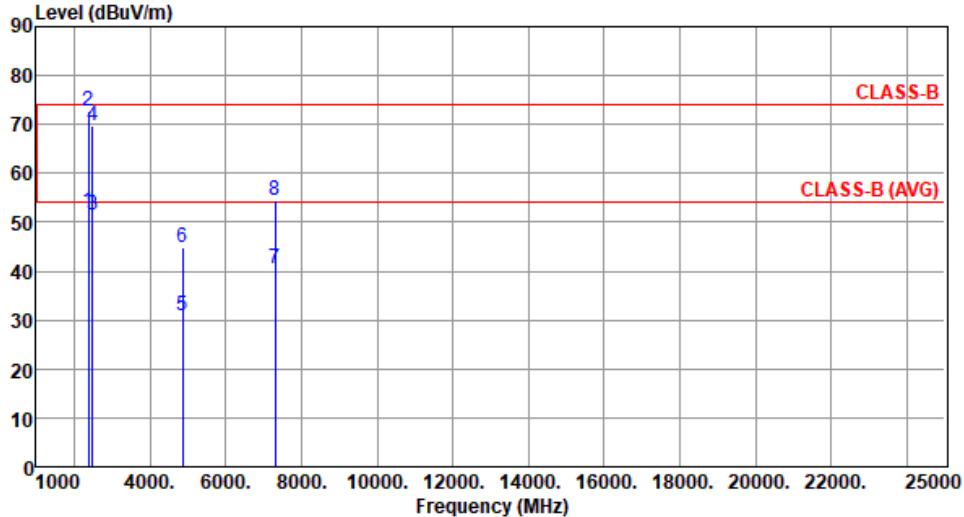
**Unwanted Emissions (Above 1GHz) for be (EHT20)**

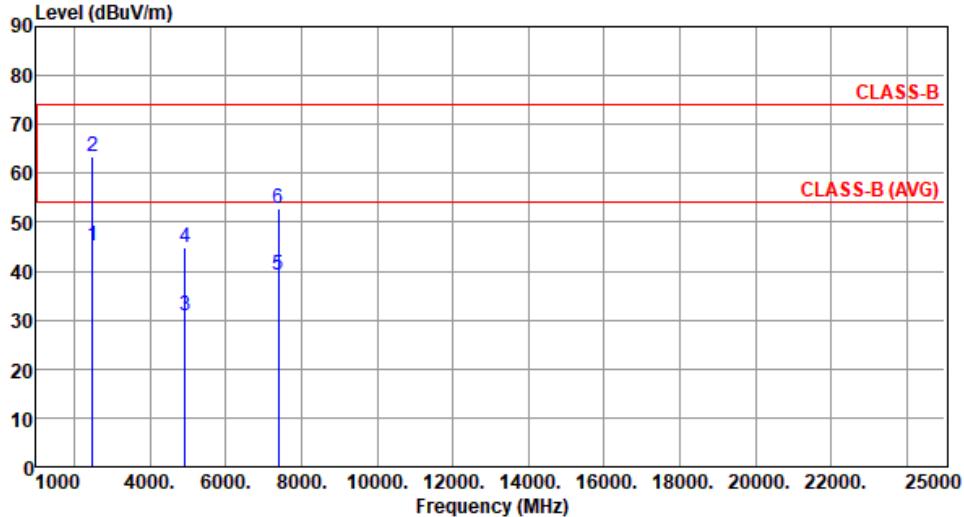
<b>Modulation</b>	be (EHT20)	<b>Test Freq. (MHz)</b>	2412						
<b>Polarization</b>	Horizontal								
Test By	:Sean Yu	Temperature (°C)	:26						
		Humidity (%)	:61						
									
Freq. MHz	Emission level dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg		
1	2390.00	45.23	54.00	-8.77	49.57	-4.34	Average	200	235
2	2390.00	67.91	74.00	-6.09	72.25	-4.34	Peak	200	235
3	4824.00	30.85	54.00	-23.15	31.26	-0.41	Average	100	173
4	4824.00	44.85	74.00	-29.15	45.26	-0.41	Peak	100	173
5	12060.00	41.88	54.00	-12.12	35.47	6.41	Average	100	223
6	12060.00	55.35	74.00	-18.65	48.94	6.41	Peak	100	223

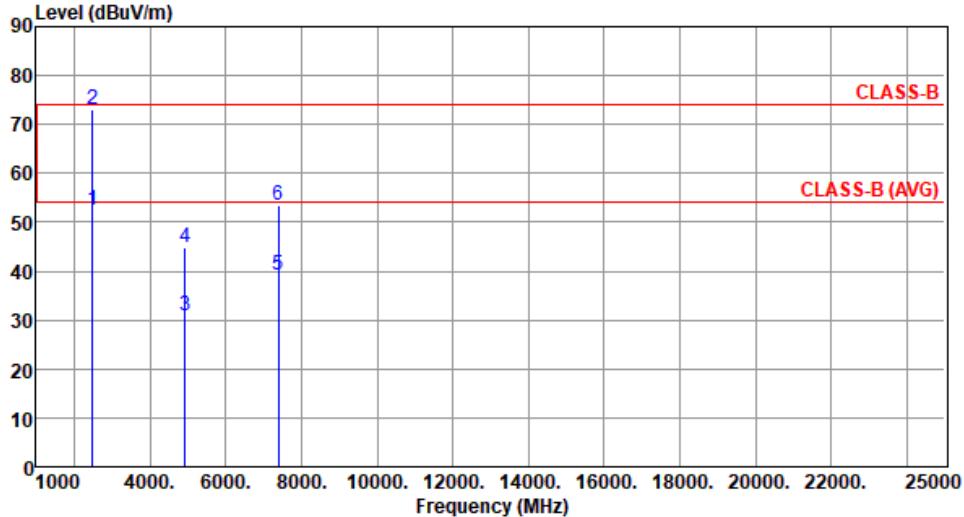
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)  
\*Factor includes antenna factor, cable loss and amplifier gain  
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

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	<b>Freq.</b>	<b>Emission Limit</b>	<b>Margin</b>	<b>SA</b>	<b>Factor</b>	<b>Remark</b>	<b>ANT</b>	<b>Turn</b>																																																																									
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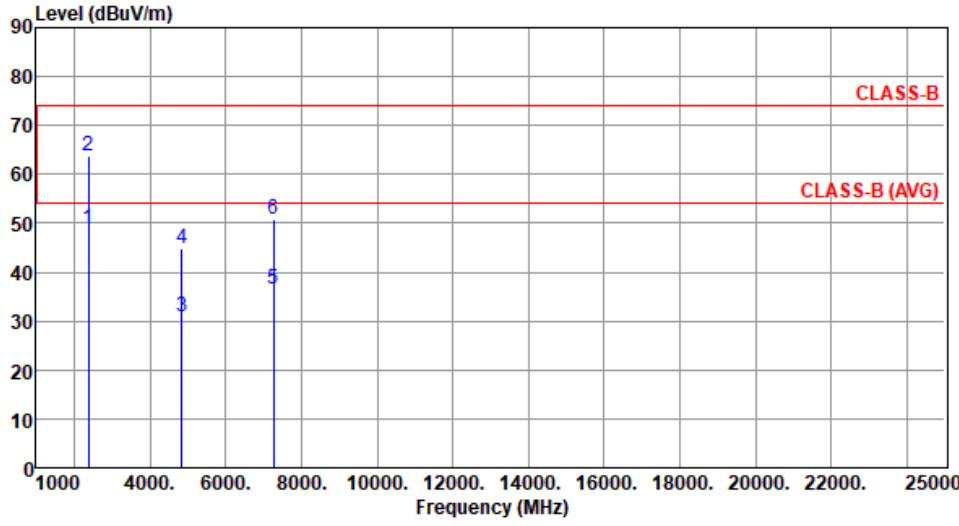
<b>Modulation</b>	be (EHT20)	<b>Test Freq. (MHz)</b>	2462						
<b>Polarization</b>	Vertical								
Test By	: Sean Yu	Temperature (°C): 26	Humidity (%): 61						
									
Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	
1	2483.50	52.48	54.00	-1.52	57.20	-4.72	Average	222	358
2	2483.50	73.04	74.00	-0.96	77.76	-4.72	Peak	222	358
3	4924.00	30.88	54.00	-23.12	31.32	-0.44	Average	100	158
4	4924.00	44.83	74.00	-29.17	45.27	-0.44	Peak	100	158
5	7386.00	39.31	54.00	-14.69	34.22	5.09	Average	100	283
6	7386.00	53.56	74.00	-20.44	48.47	5.09	Peak	100	283

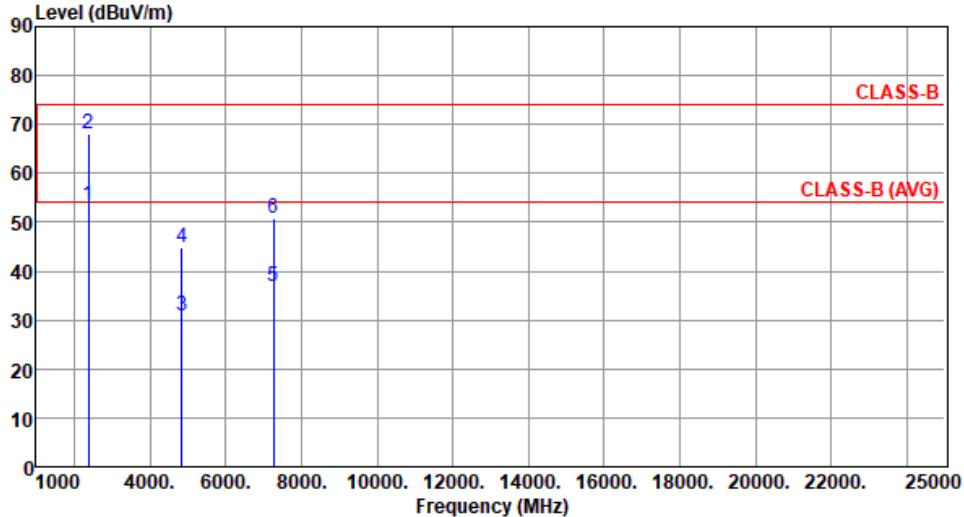
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

**Unwanted Emissions (Above 1GHz) for be (EHT40)**

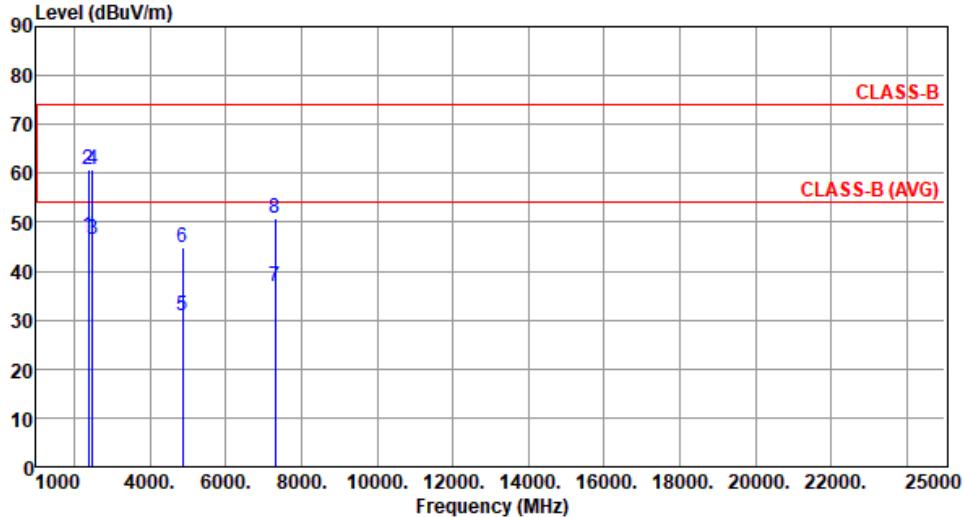
<b>Modulation</b>	be (EHT40)	<b>Test Freq. (MHz)</b>	2422																																																																				
<b>Polarization</b>	Horizontal																																																																						
Test By	:Sean Yu	Temperature (°C)	:26																																																																				
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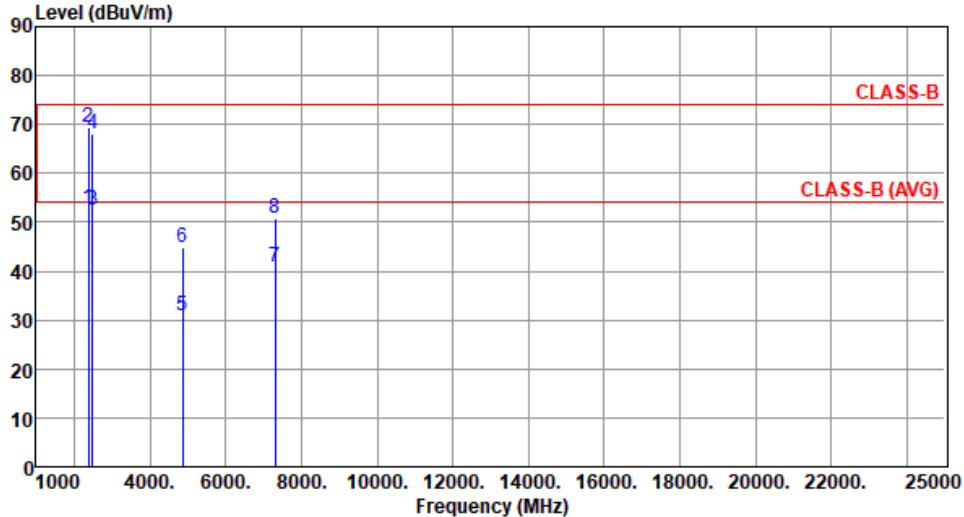
<b>Modulation</b>	be (EHT40)	<b>Test Freq. (MHz)</b>	2422						
<b>Polarization</b>	Vertical								
Test By	: Sean Yu	Temperature (°C): 26	Humidity (%): 61						
									
Freq.	Emission Limit level	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg		
MHz	dBuV/m	dBuV/m							
1	2390.00	53.35	54.00	-0.65	57.69	-4.34	Average	230	351
2	2390.00	67.95	74.00	-6.05	72.29	-4.34	Peak	230	351
3	4844.00	30.98	54.00	-23.02	31.42	-0.44	Average	100	175
4	4844.00	44.94	74.00	-29.06	45.38	-0.44	Peak	100	175
5	7266.00	36.79	54.00	-17.21	31.52	5.27	Average	100	274
6	7266.00	50.94	74.00	-23.06	45.67	5.27	Peak	100	274

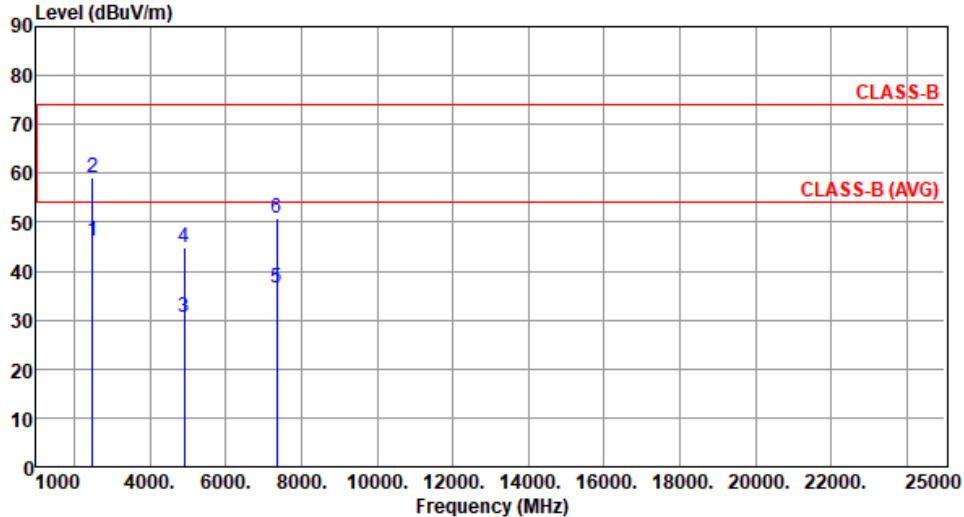
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

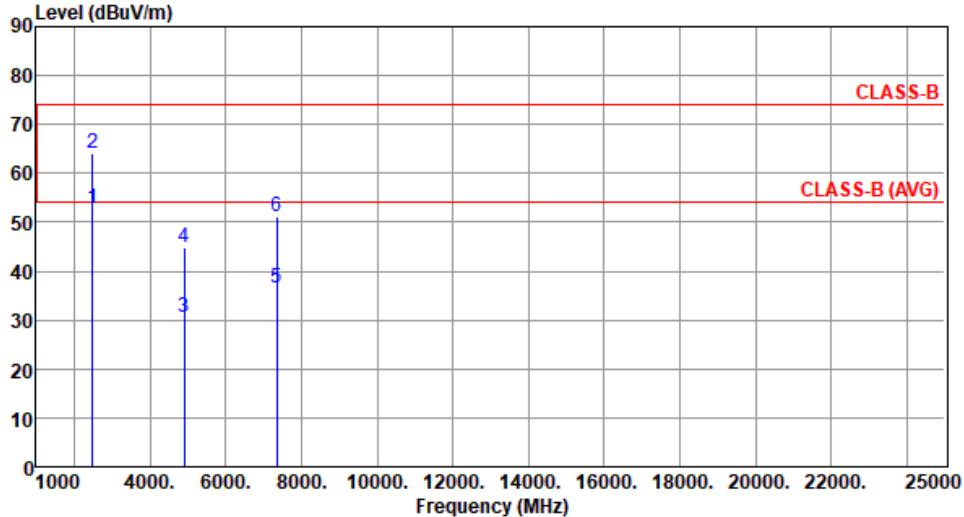
\*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

<b>Modulation</b>	be (EHT40)	<b>Test Freq. (MHz)</b>	2437																																																																																																
<b>Polarization</b>	Horizontal																																																																																																		
Test By	: Sean Yu	Temperature (°C): 26	Humidity (%): 61																																																																																																
																																																																																																			
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7	7311.00	40.71	54.00	-13.29	35.48	5.23	Average	100	226																																																																																										
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<p>Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)</p> <p>*Factor includes antenna factor, cable loss and amplifier gain</p> <p>Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).</p>																																																																																																			

<b>Modulation</b>	be (EHT40)	<b>Test Freq. (MHz)</b>	2452																																																																						
<b>Polarization</b>	Horizontal																																																																								
Test By	: Sean Yu	Temperature (°C): 26	Humidity (%): 61																																																																						
																																																																									
<table border="1"> <thead> <tr> <th></th> <th><b>Freq.</b> MHz</th> <th><b>Emission level</b> dBuV/m</th> <th><b>Limit</b> dBuV/m</th> <th><b>Margin</b> dB</th> <th><b>SA reading</b> dBuV</th> <th><b>Factor</b> dB/m</th> <th><b>Remark</b></th> <th><b>ANT High cm</b></th> <th><b>Turn Table deg</b></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2483.50</td> <td>46.30</td> <td>54.00</td> <td>-7.70</td> <td>51.02</td> <td>-4.72</td> <td>Average</td> <td>165</td> <td>248</td> </tr> <tr> <td>2</td> <td>2483.50</td> <td>58.96</td> <td>74.00</td> <td>-15.04</td> <td>63.68</td> <td>-4.72</td> <td>Peak</td> <td>165</td> <td>248</td> </tr> <tr> <td>3</td> <td>4904.00</td> <td>30.69</td> <td>54.00</td> <td>-23.31</td> <td>31.21</td> <td>-0.52</td> <td>Average</td> <td>100</td> <td>254</td> </tr> <tr> <td>4</td> <td>4904.00</td> <td>44.80</td> <td>74.00</td> <td>-29.20</td> <td>45.32</td> <td>-0.52</td> <td>Peak</td> <td>100</td> <td>254</td> </tr> <tr> <td>5</td> <td>7356.00</td> <td>36.60</td> <td>54.00</td> <td>-17.40</td> <td>31.49</td> <td>5.11</td> <td>Average</td> <td>100</td> <td>158</td> </tr> <tr> <td>6</td> <td>7356.00</td> <td>50.78</td> <td>74.00</td> <td>-23.22</td> <td>45.67</td> <td>5.11</td> <td>Peak</td> <td>100</td> <td>158</td> </tr> </tbody> </table>					<b>Freq.</b> MHz	<b>Emission level</b> dBuV/m	<b>Limit</b> dBuV/m	<b>Margin</b> dB	<b>SA reading</b> dBuV	<b>Factor</b> dB/m	<b>Remark</b>	<b>ANT High cm</b>	<b>Turn Table deg</b>	1	2483.50	46.30	54.00	-7.70	51.02	-4.72	Average	165	248	2	2483.50	58.96	74.00	-15.04	63.68	-4.72	Peak	165	248	3	4904.00	30.69	54.00	-23.31	31.21	-0.52	Average	100	254	4	4904.00	44.80	74.00	-29.20	45.32	-0.52	Peak	100	254	5	7356.00	36.60	54.00	-17.40	31.49	5.11	Average	100	158	6	7356.00	50.78	74.00	-23.22	45.67	5.11	Peak	100	158
	<b>Freq.</b> MHz	<b>Emission level</b> dBuV/m	<b>Limit</b> dBuV/m	<b>Margin</b> dB	<b>SA reading</b> dBuV	<b>Factor</b> dB/m	<b>Remark</b>	<b>ANT High cm</b>	<b>Turn Table deg</b>																																																																
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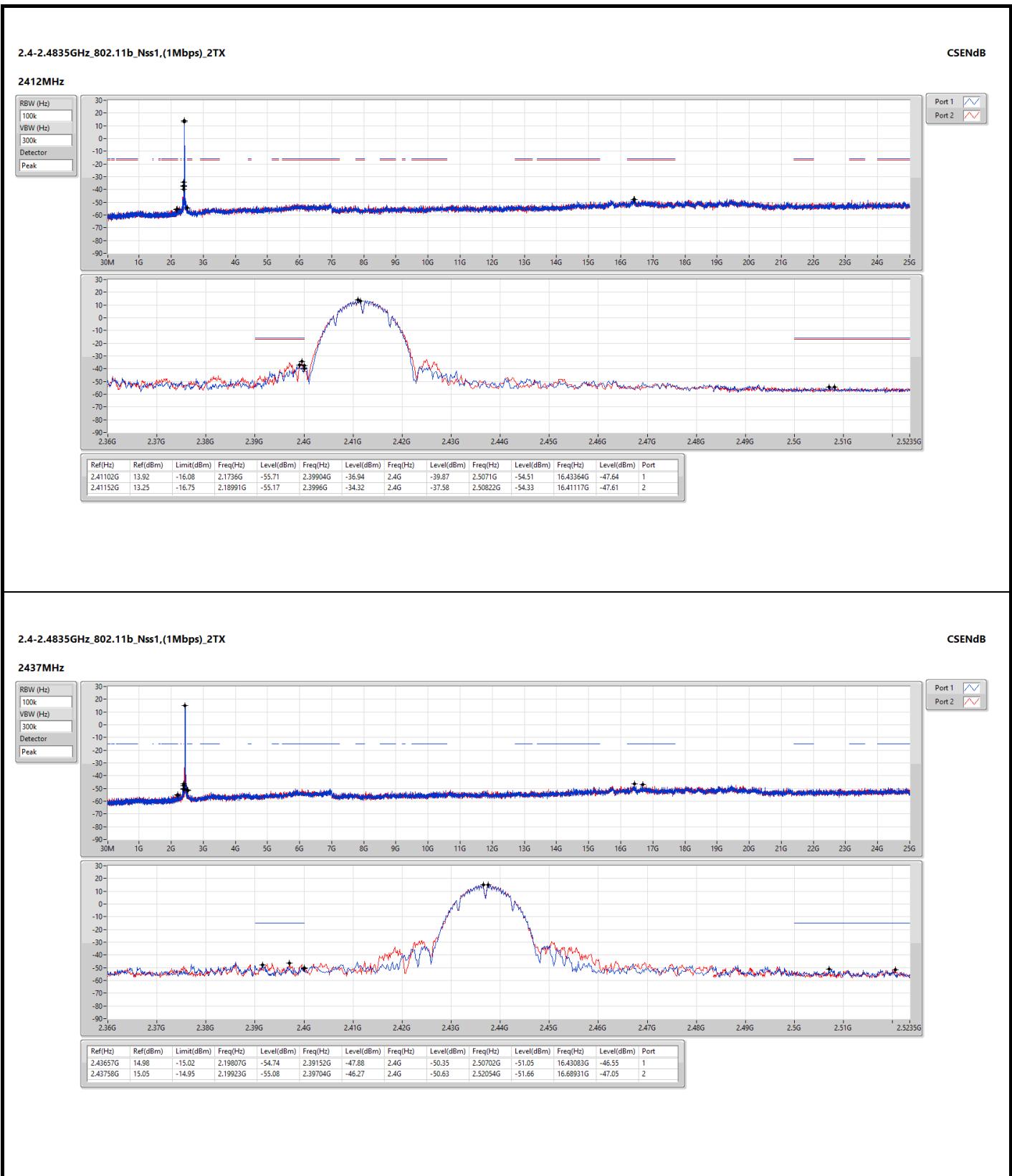
<b>Modulation</b>	be (EHT40)	<b>Test Freq. (MHz)</b>	2452				
<b>Polarization</b>	Vertical						
Test By	: Sean Yu	Temperature (°C): 26	Humidity (%): 61				
 <p>The graph plots Emission Level (dBuV/m) on the y-axis (0 to 90) against Frequency (MHz) on the x-axis (1000 to 25000). A red horizontal line at 70 dBuV/m represents the CLASS-B limit. A red horizontal line at 54 dBuV/m represents the CLASS-B (AVG) limit. Six blue vertical lines (1-6) indicate measured emission levels at specific frequencies: 2483.50 MHz (52.72 dBuV/m), 4904.00 MHz (30.69 dBuV/m), 7356.00 MHz (36.64 dBuV/m), 2483.50 MHz (64.21 dBuV/m), 4904.00 MHz (44.79 dBuV/m), and 7356.00 MHz (51.00 dBuV/m).</p>							
Freq.	Emission Limit	Margin	SA	Factor	Remark	ANT	Turn
MHz	level	level	reading	reading		High	Table
	dBuV/m	dBuV/m	dB	dBuV	dB/m	cm	deg
1	2483.50	52.72	54.00	-1.28	57.44	-4.72	Average
2	2483.50	64.21	74.00	-9.79	68.93	-4.72	Peak
3	4904.00	30.69	54.00	-23.31	31.21	-0.52	Average
4	4904.00	44.79	74.00	-29.21	45.31	-0.52	Peak
5	7356.00	36.64	54.00	-17.36	31.53	5.11	Average
6	7356.00	51.00	74.00	-23.00	45.89	5.11	Peak

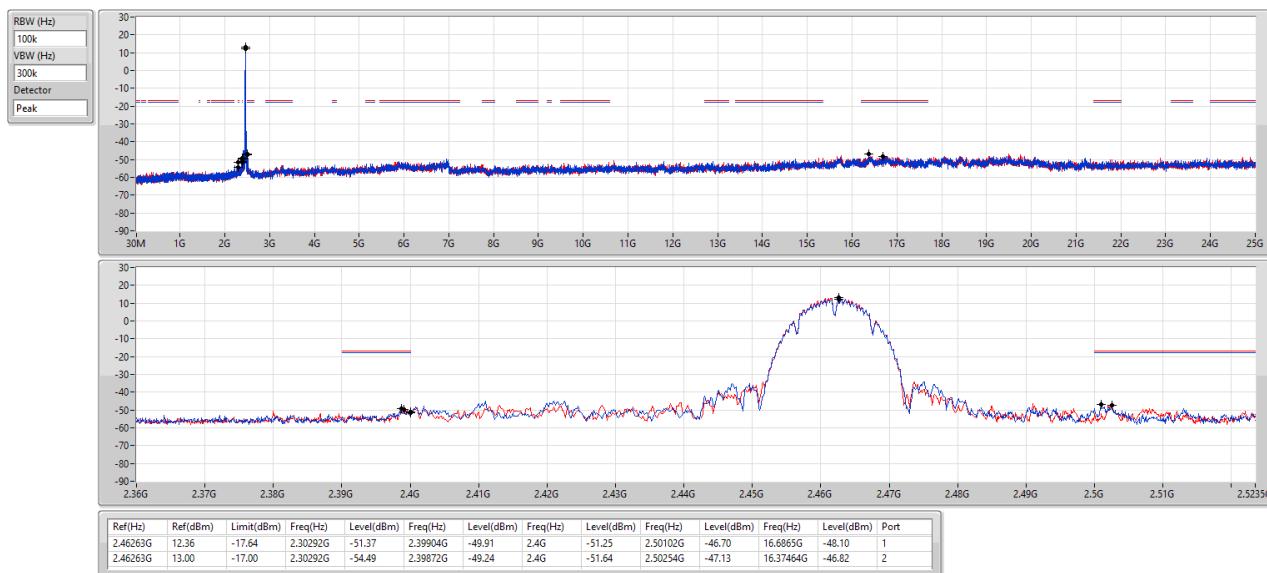
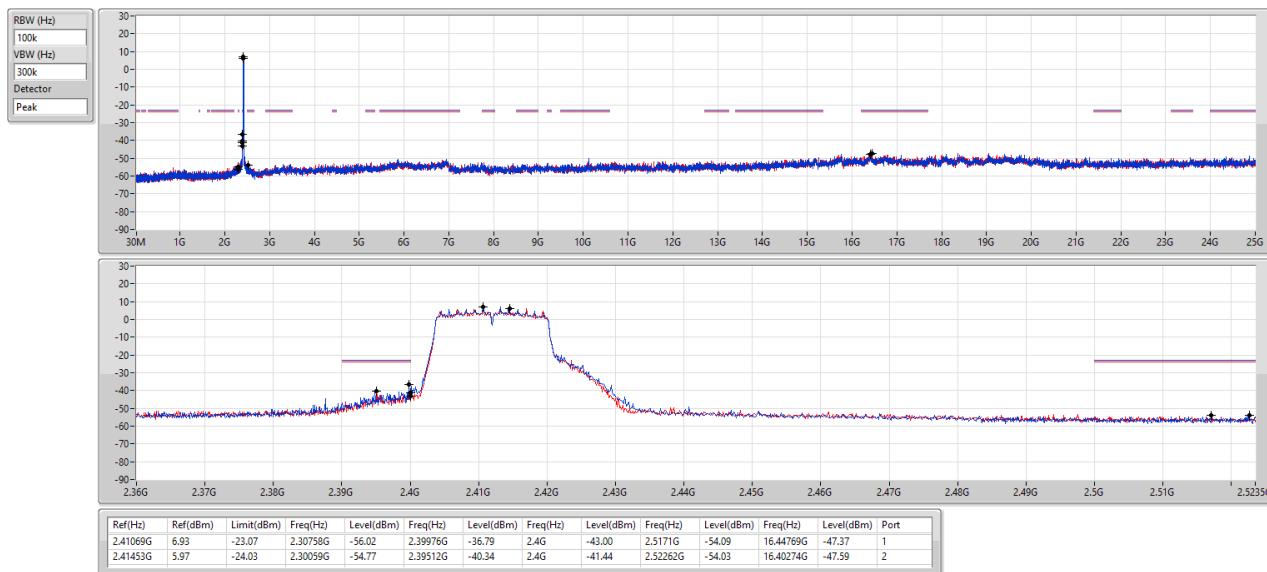
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

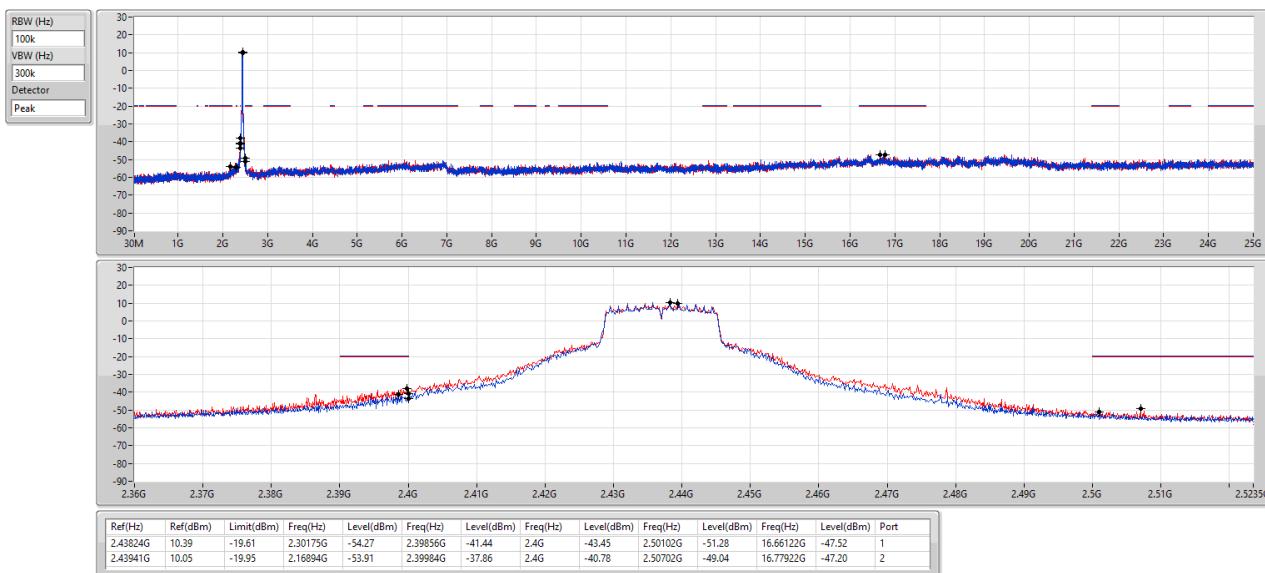
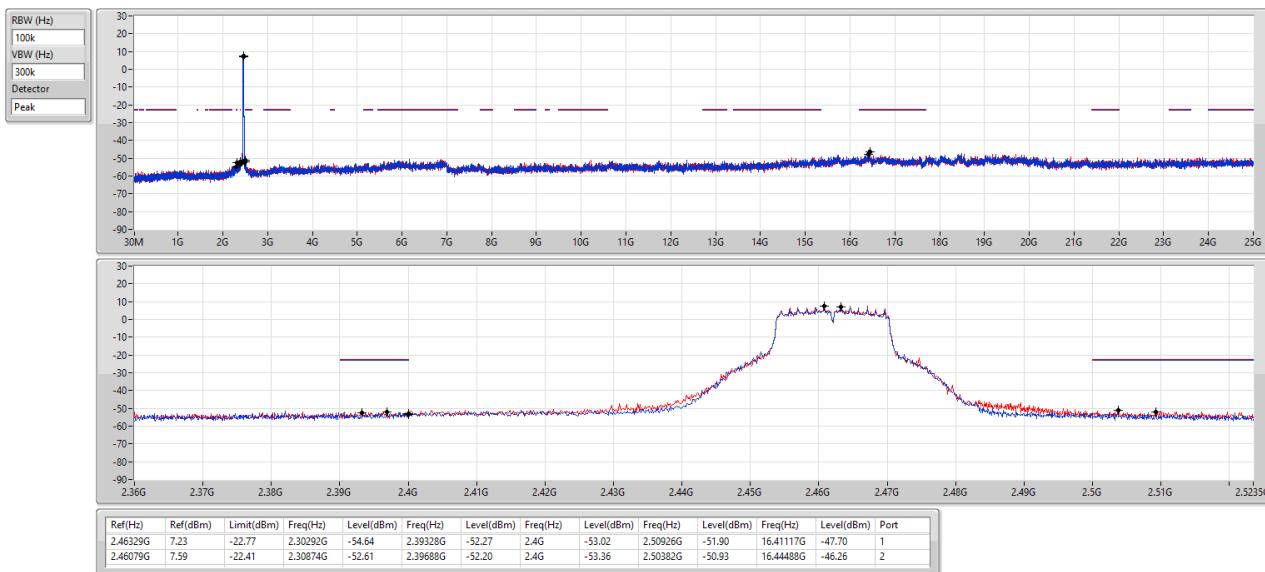
\*Factor includes antenna factor, cable loss and amplifier gain

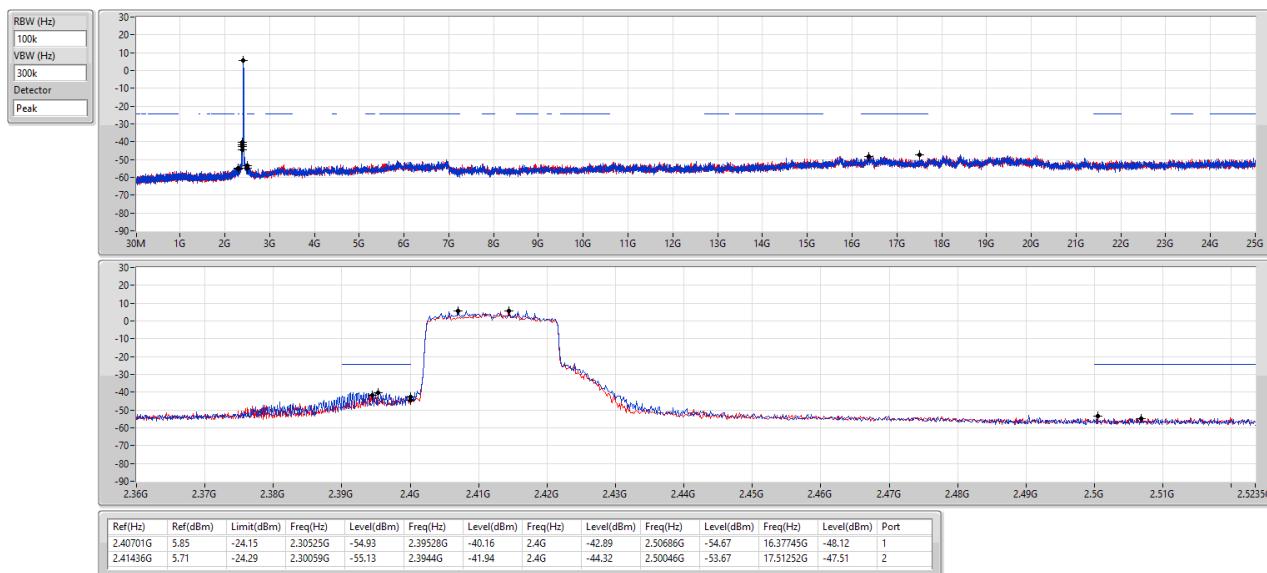
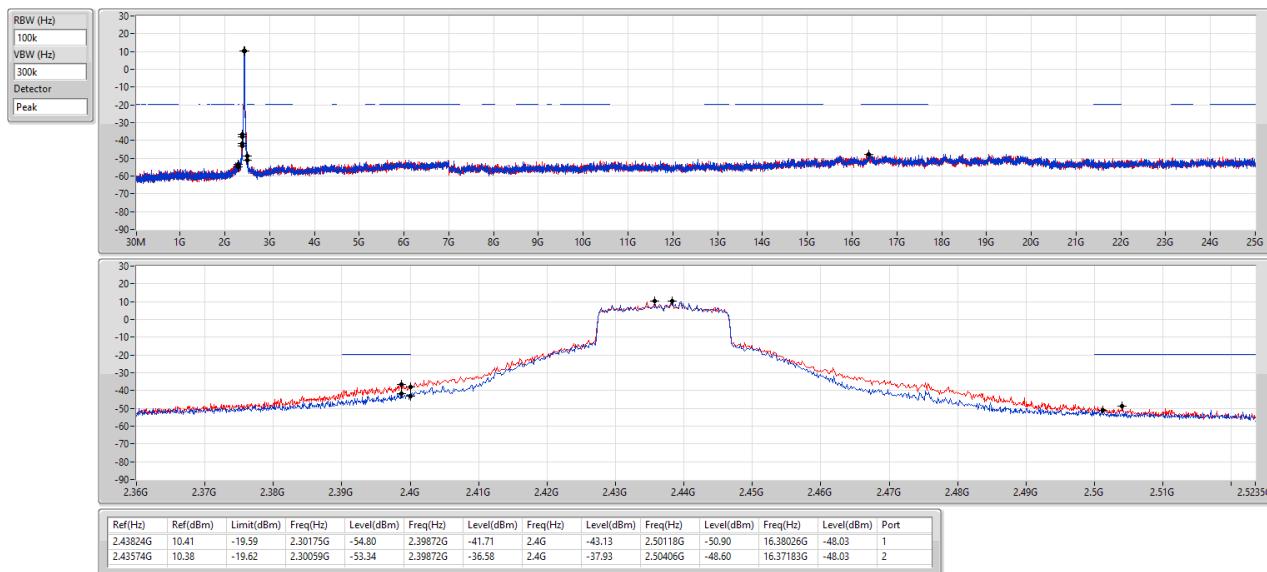
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

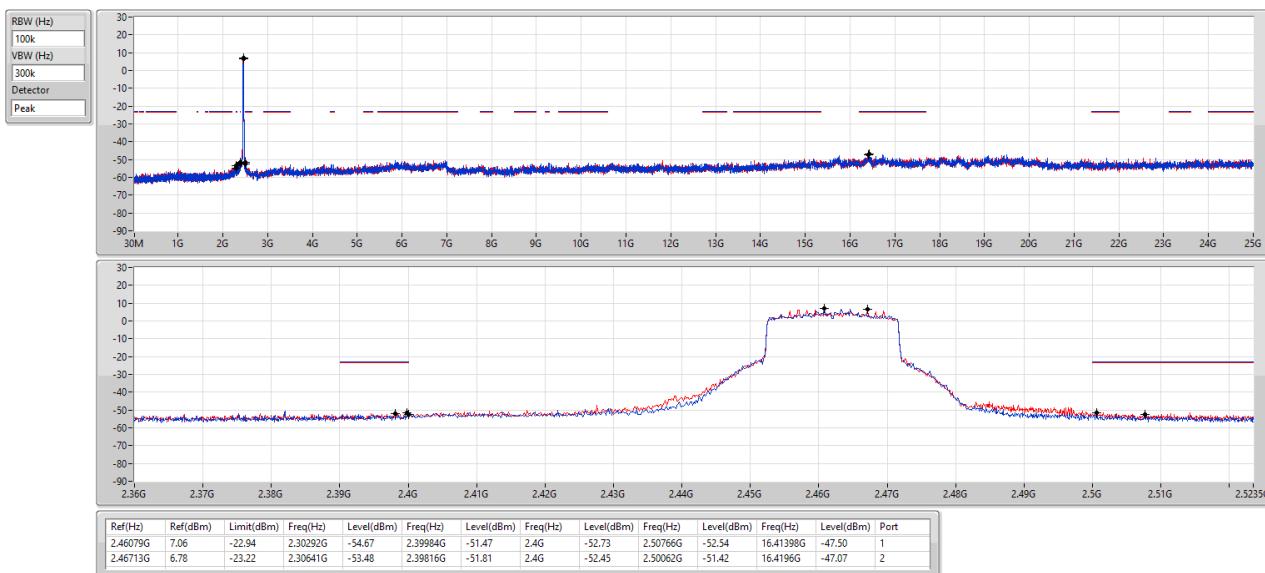
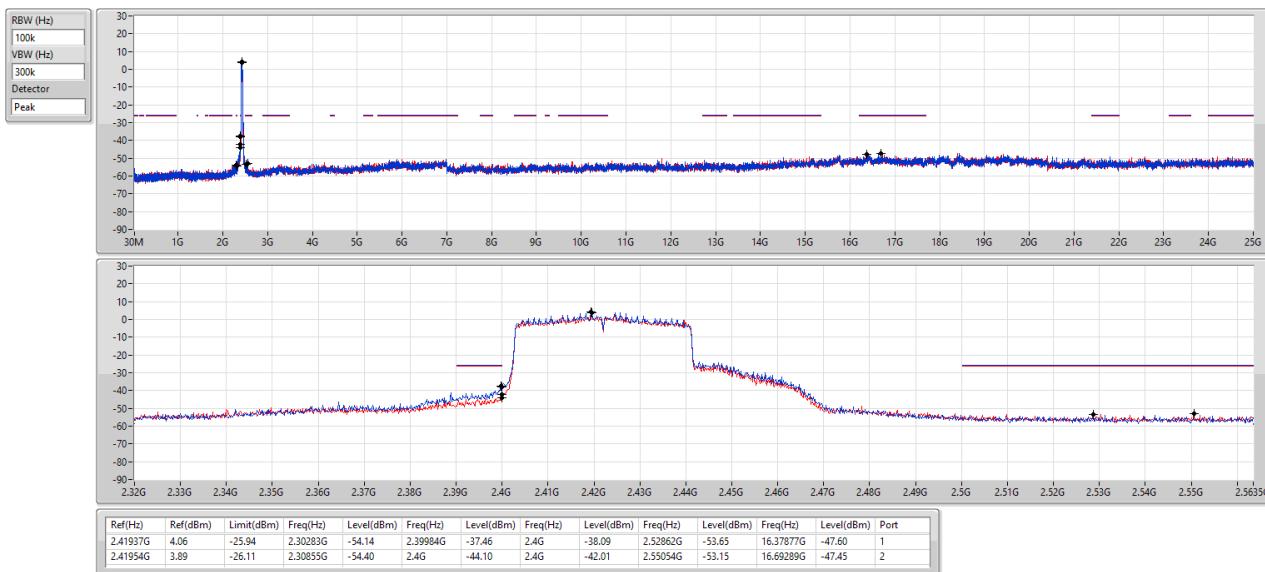
### Non-beamforming mode

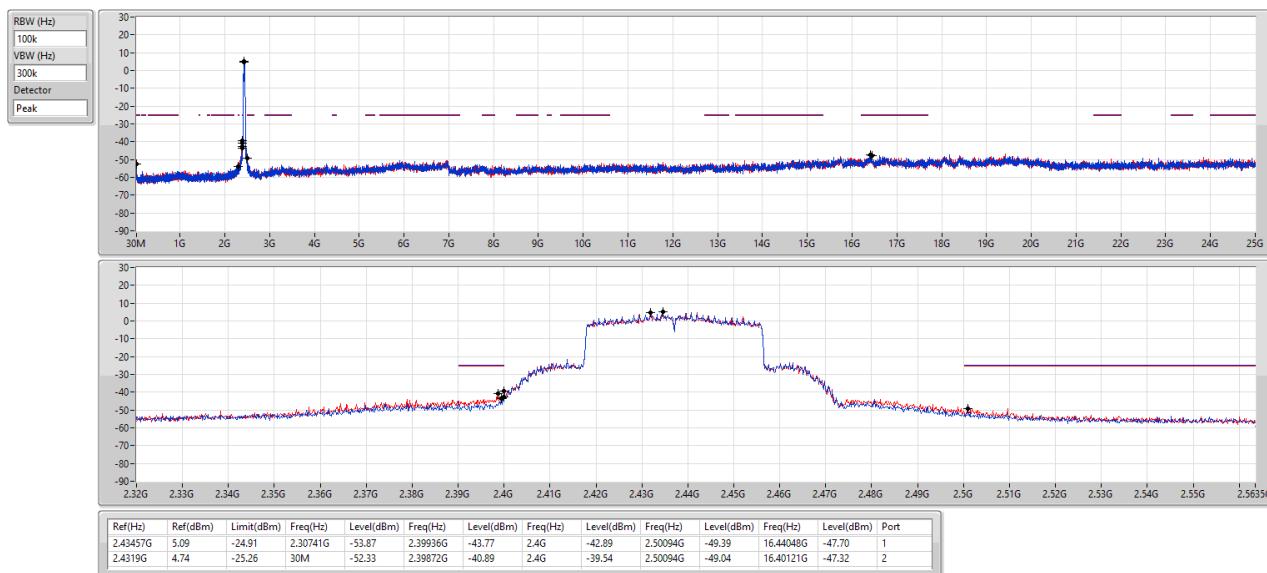
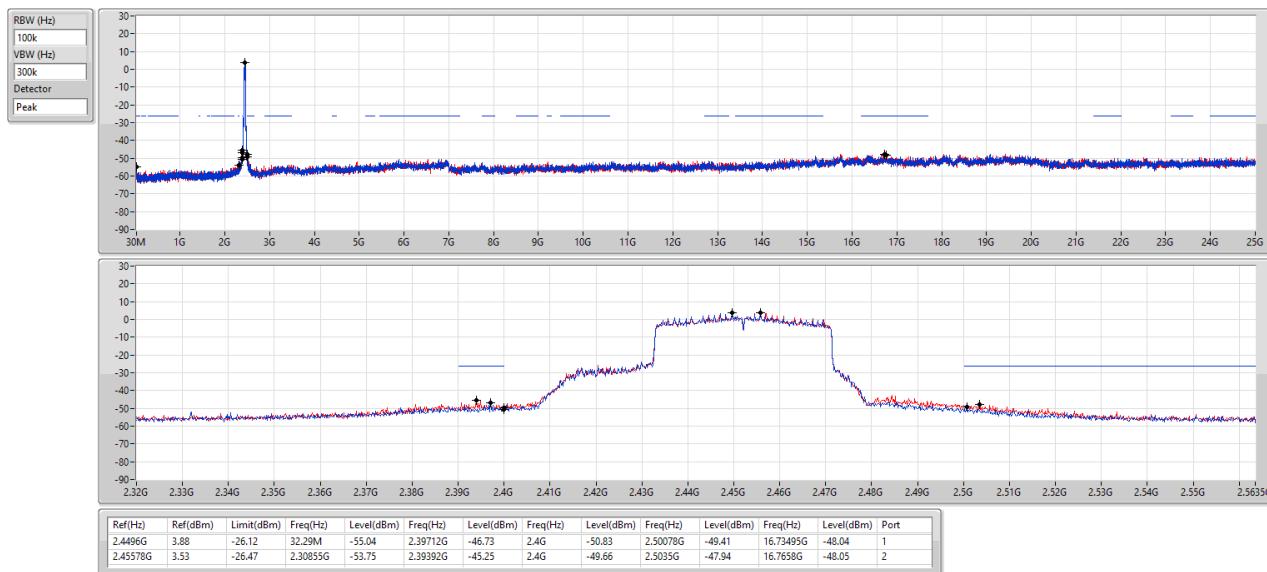


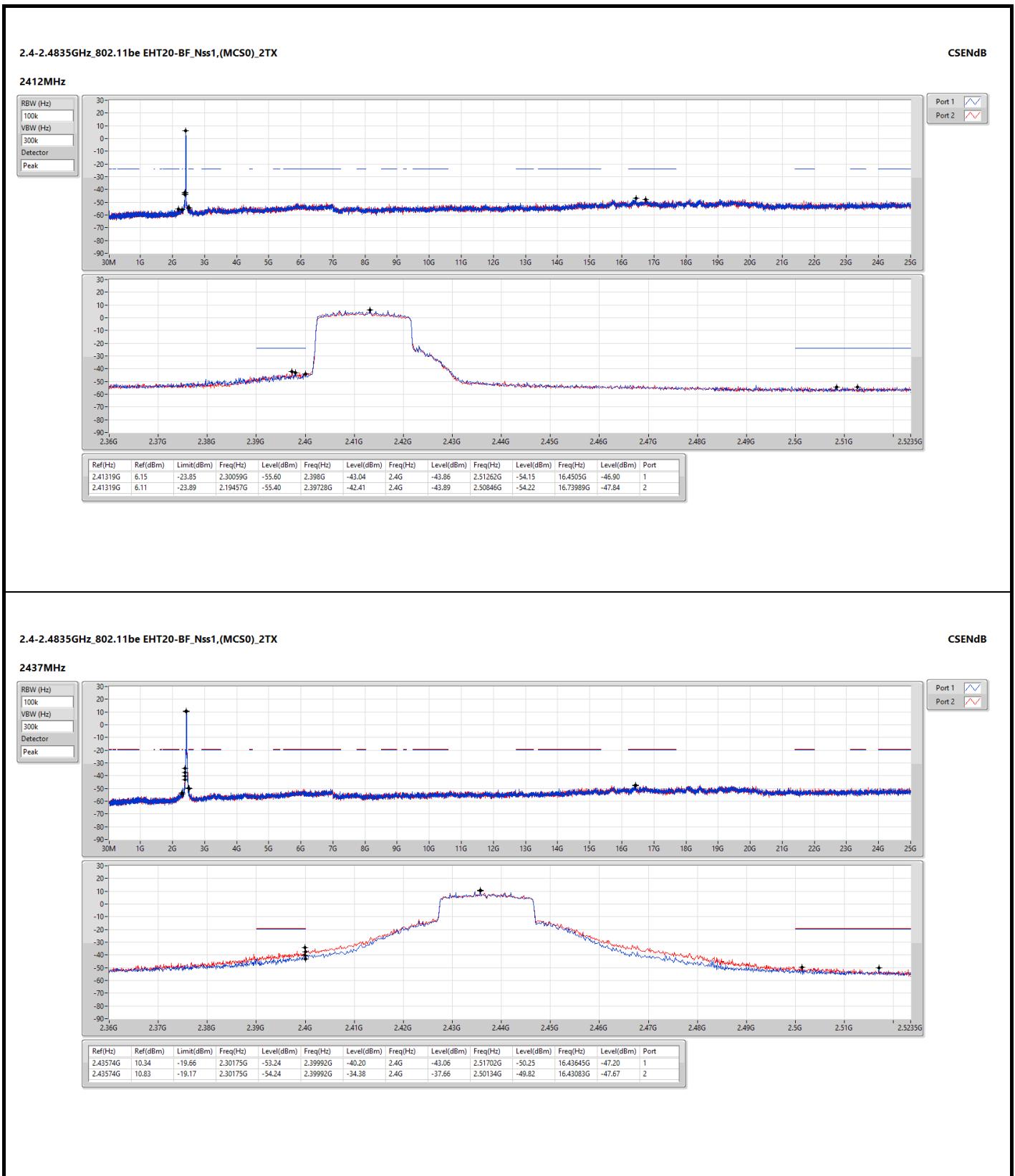
**2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX**
**CSEndb**
**2462MHz**

**2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX**
**CSEndb**
**2412MHz**


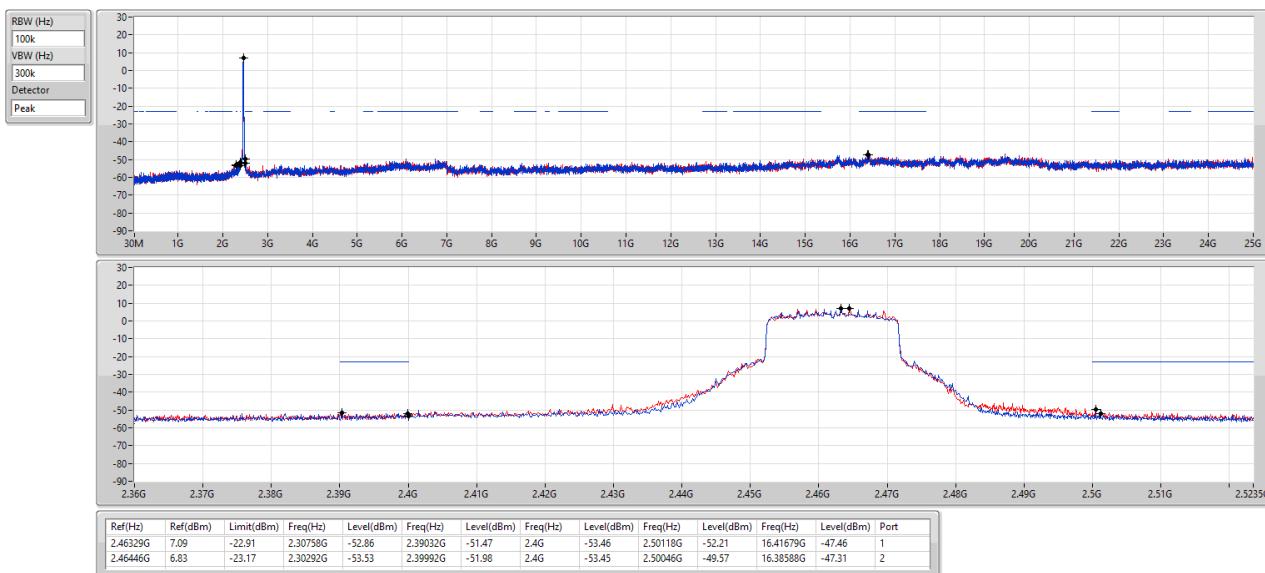
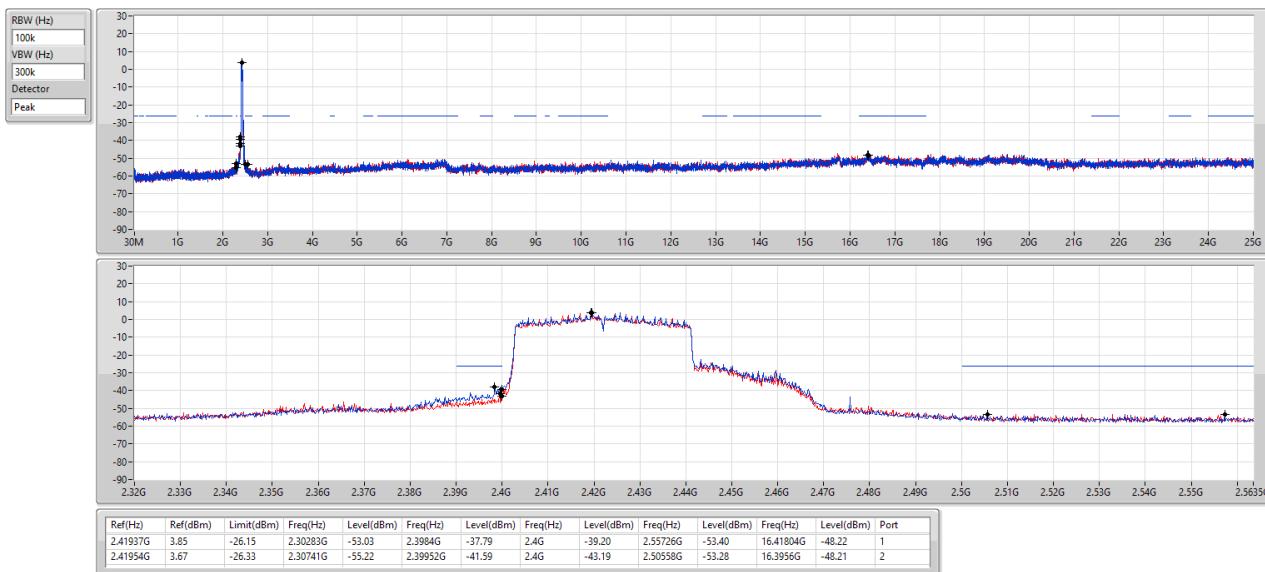
**2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX**
**CSEndb**
**2437MHz**

**2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX**
**CSEndb**
**2462MHz**


**2.4-2.4835GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX**
**CSEndb**
**2412MHz**

**2.4-2.4835GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX**
**CSEndb**
**2437MHz**


**2.4-2.4835GHz\_802.11be EHT20\_Nss1,(MCS0)\_2TX**
**CSEndb**
**2462MHz**

**2.4-2.4835GHz\_802.11be EHT40\_Nss1,(MCS0)\_2TX**
**CSEndb**
**2422MHz**


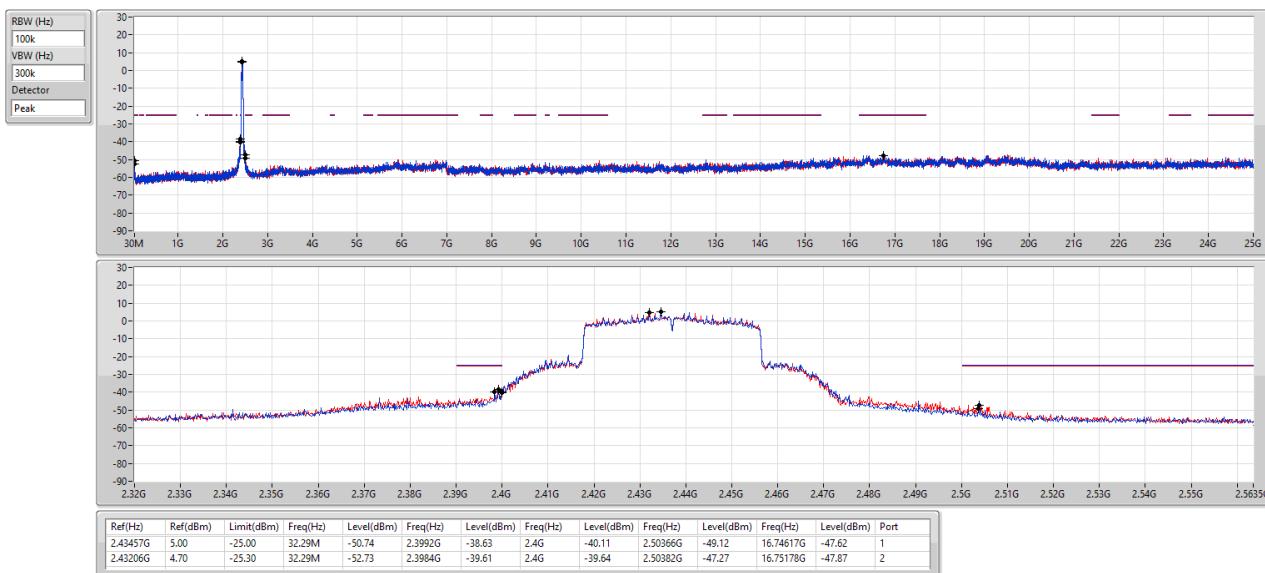
**2.4-2.4835GHz\_802.11be EHT40\_Nss1,(MCS0)\_2TX**
**CSEndb**
**2437MHz**

**2.4-2.4835GHz\_802.11be EHT40\_Nss1,(MCS0)\_2TX**
**CSEndb**
**2452MHz**


**Beamforming mode**


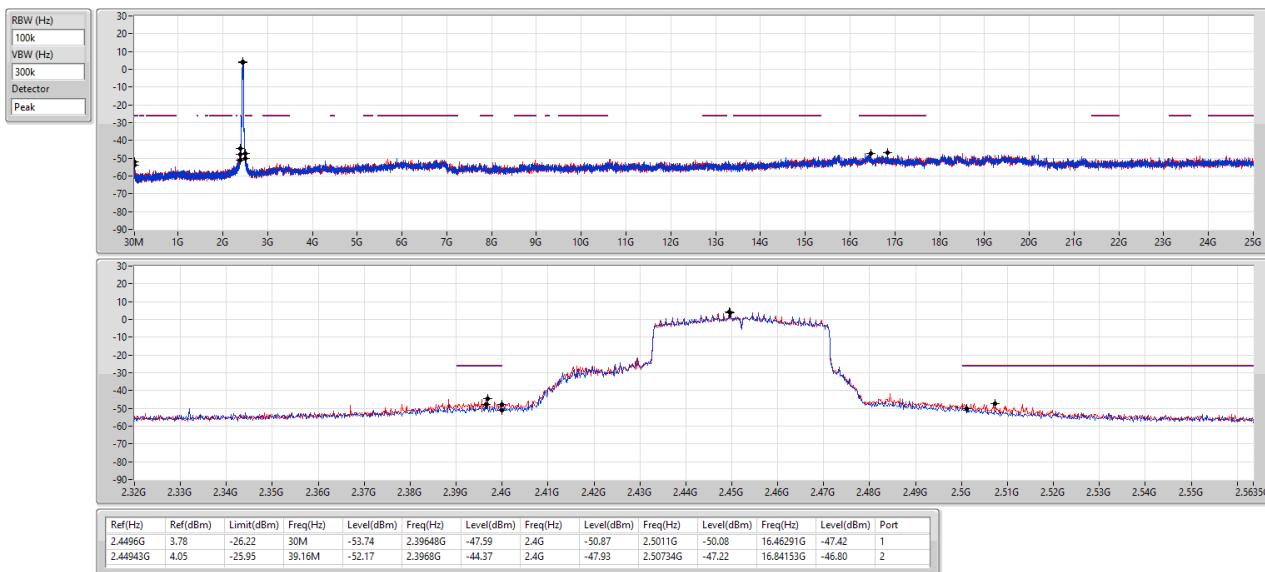
**2.4-2.4835GHz\_802.11be EHT20-BF\_Nss1,(MCS0)\_2TX**
**CSEnDb**
**2462MHz**

**2.4-2.4835GHz\_802.11be EHT40-BF\_Nss1,(MCS0)\_2TX**
**CSEnDb**
**2422MHz**


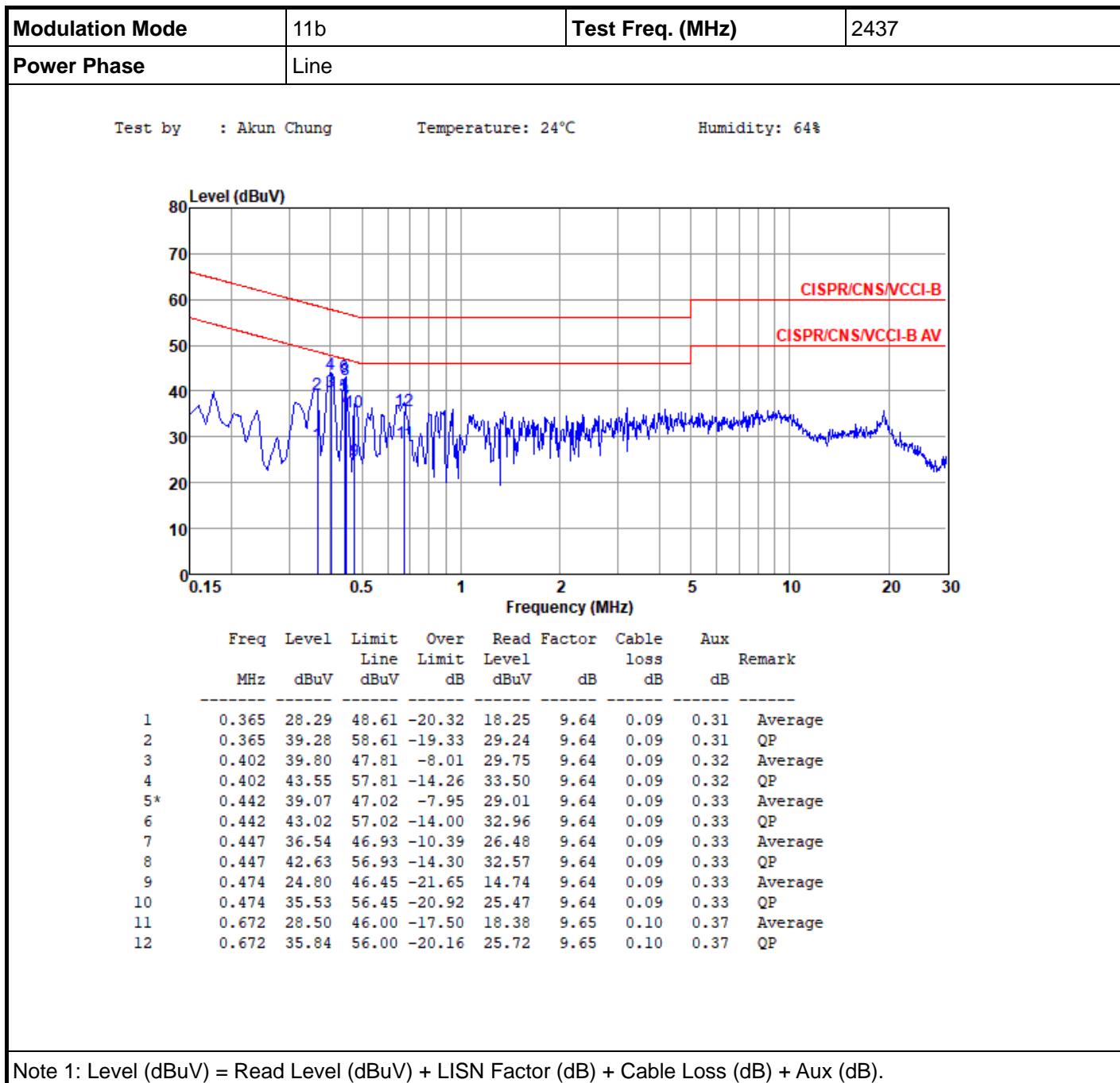
**2.4-2.4835GHz\_802.11be EHT40-BF\_Nss1,(MCS0)\_2TX**

CSEnDb

**2437MHz**

**2.4-2.4835GHz\_802.11be EHT40-BF\_Nss1,(MCS0)\_2TX**

CSEnDb

**2452MHz**


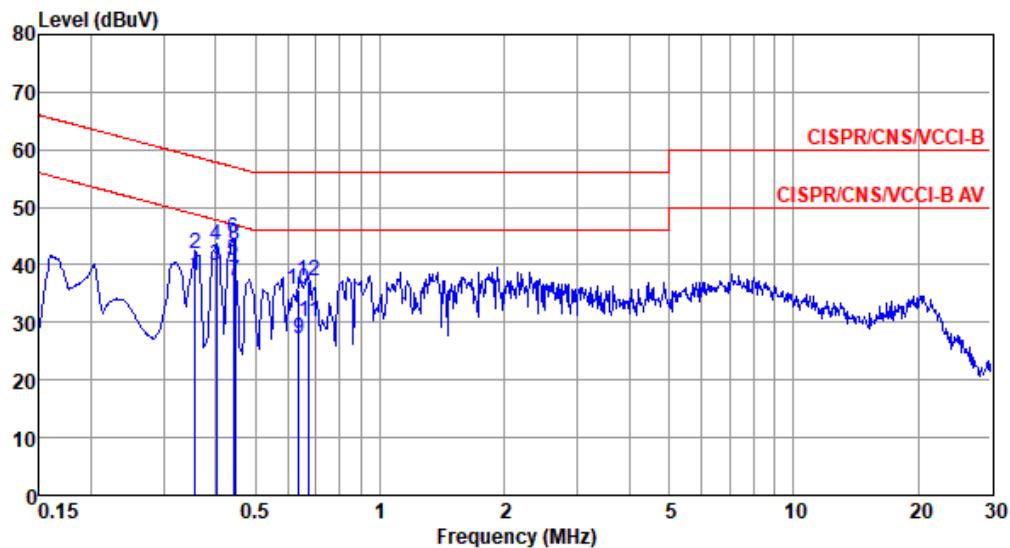
**Non-beamforming mode**


Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).

2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

<b>Modulation Mode</b>	11b	<b>Test Freq. (MHz)</b>	2437
<b>Power Phase</b>	Neutral		

Test by : Akun Chung      Temperature: 24°C      Humidity: 64%



	Freq	Level	Limit	Over	Read	Factor	Cable	Aux	Remark
	MHz	dBuV	Line	Limit	Level	dBuV	dB	dB	
1	0.358	38.23	48.78	-10.55	28.25	9.64	0.09	0.25	Average
2	0.358	42.06	58.78	-16.72	32.08	9.64	0.09	0.25	QP
3	0.402	39.81	47.81	-8.00	29.82	9.64	0.09	0.26	Average
4	0.402	43.47	57.81	-14.34	33.48	9.64	0.09	0.26	QP
5*	0.442	40.71	47.02	-6.31	30.71	9.64	0.09	0.27	Average
6	0.442	44.69	57.02	-12.33	34.69	9.64	0.09	0.27	QP
7	0.447	37.29	46.93	-9.64	27.29	9.64	0.09	0.27	Average
8	0.447	43.43	56.93	-13.50	33.43	9.64	0.09	0.27	QP
9	0.637	27.16	46.00	-18.84	17.10	9.65	0.10	0.31	Average
10	0.637	35.63	56.00	-20.37	25.57	9.65	0.10	0.31	QP
11	0.672	30.16	46.00	-15.84	20.10	9.65	0.10	0.31	Average
12	0.672	37.07	56.00	-18.93	27.01	9.65	0.10	0.31	QP

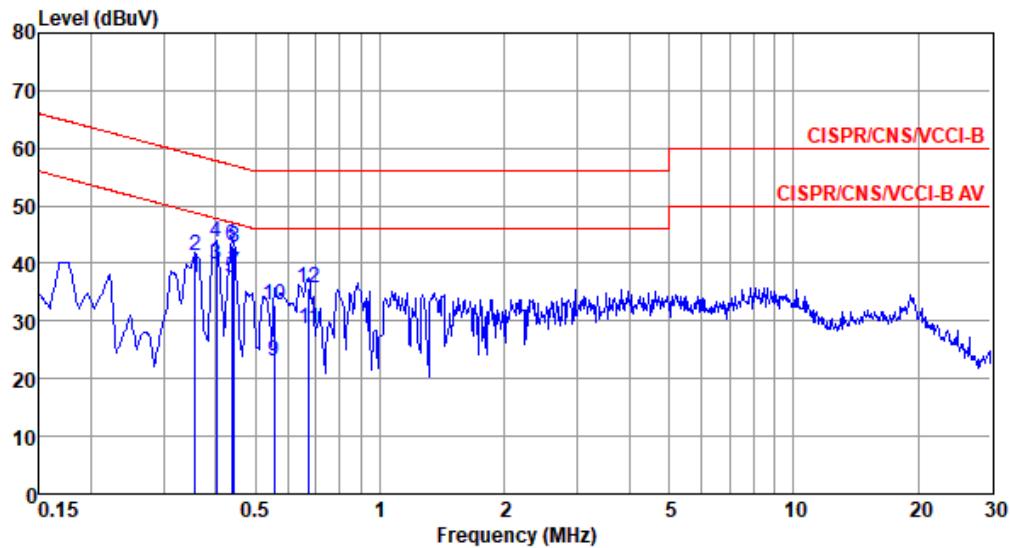
Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).

2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

**Beamforming mode**

<b>Modulation Mode</b>	be EHT20	<b>Test Freq. (MHz)</b>	2437
<b>Power Phase</b>	Line		

Test by : Akun Chung Temperature: 24°C Humidity: 64%



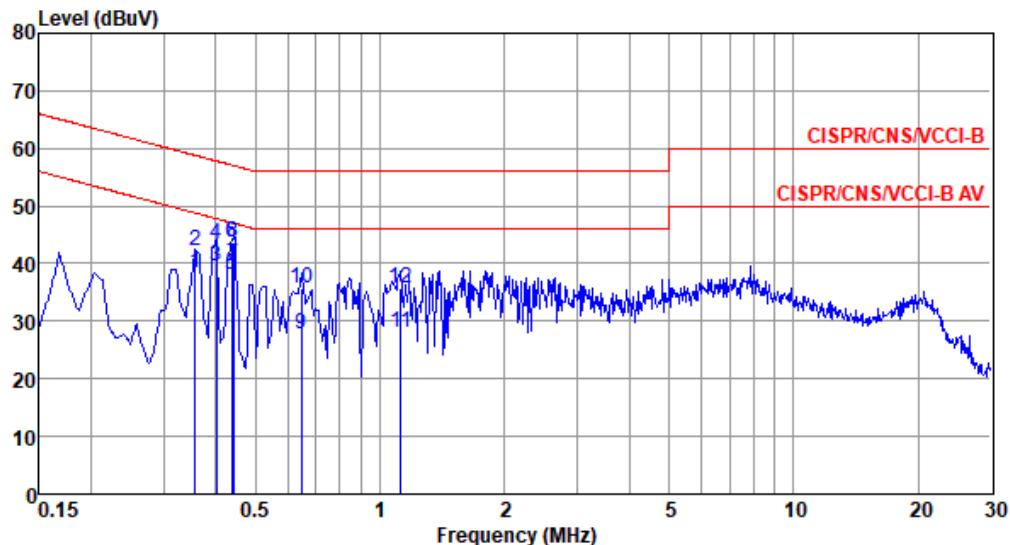
Freq MHz	Level dBuV	Limit		Over Limit dB	Read Level dBuV	Factor	Cable loss dB	Aux dB	Remark
		Line dBuV	Limit dBuV						
1	0.358	37.55	48.78	-11.23	27.51	9.64	0.09	0.31	Average
2	0.358	41.46	58.78	-17.32	31.42	9.64	0.09	0.31	QP
3*	0.402	39.88	47.81	-7.93	29.83	9.64	0.09	0.32	Average
4	0.402	43.63	57.81	-14.18	33.58	9.64	0.09	0.32	QP
5	0.437	37.54	47.11	-9.57	27.48	9.64	0.09	0.33	Average
6	0.437	42.99	57.11	-14.12	32.93	9.64	0.09	0.33	QP
7	0.444	38.40	46.98	-8.58	28.34	9.64	0.09	0.33	Average
8	0.444	42.89	56.98	-14.09	32.83	9.64	0.09	0.33	QP
9	0.555	23.02	46.00	-22.98	12.94	9.64	0.09	0.35	Average
10	0.555	32.75	56.00	-23.25	22.67	9.64	0.09	0.35	QP
11	0.672	28.61	46.00	-17.39	18.49	9.65	0.10	0.37	Average
12	0.672	35.86	56.00	-20.14	25.74	9.65	0.10	0.37	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).

2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

<b>Modulation Mode</b>	be EHT20	<b>Test Freq. (MHz)</b>	2437
<b>Power Phase</b>	Neutral		

Test by : Akun Chung Temperature: 24°C Humidity: 64%



	Freq	Level	Limit	Over	Read	Factor	Cable	Aux	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	dB	
1	0.358	38.27	48.78	-10.51	28.29	9.64	0.09	0.25	Average
2	0.358	42.09	58.78	-16.69	32.11	9.64	0.09	0.25	QP
3	0.402	39.65	47.81	-8.16	29.66	9.64	0.09	0.26	Average
4	0.402	43.43	57.81	-14.38	33.44	9.64	0.09	0.26	QP
5	0.437	38.15	47.11	-8.96	28.15	9.64	0.09	0.27	Average
6	0.437	43.61	57.11	-13.50	33.61	9.64	0.09	0.27	QP
7*	0.442	39.80	47.02	-7.22	29.80	9.64	0.09	0.27	Average
8	0.442	43.66	57.02	-13.36	33.66	9.64	0.09	0.27	QP
9	0.644	27.68	46.00	-18.32	17.62	9.65	0.10	0.31	Average
10	0.644	35.67	56.00	-20.33	25.61	9.65	0.10	0.31	QP
11	1.123	27.99	46.00	-18.01	17.87	9.65	0.11	0.36	Average
12	1.123	35.83	56.00	-20.17	25.71	9.65	0.11	0.36	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).

2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).