FCC Test Report

FCC ID	:	**2AX7S-ATC63E**
Equipment	:	**Tablet PC**
Model No.	:	**ATC63E**
Brand Name	:	**AIMobile**
Applicant	:	**AIMobile Co., Ltd.**
Address	:	**6F,No. 166,Section 4, Chengde Road, Shilin District, Taipei City, 11167 Taiwan**
Standard	:	**47 CFR FCC Part 15.247**
Received Date	:	**Jan. 07, 2022**
Tested Date	:	**Apr. 28 ~ May 26, 2022**

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: **Approved by:**

Along Chen / Assistant Manager **Gary Chang / Manager**

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Release Record

Report No.	Version	Description	Issued Date
FR210701AC	Rev. 01	Initial issue	Aug. 17, 2022

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	AC Power Line Conducted Emission	[dBuV]: 0.406MHz 40.74 (Margin -6.99dB) - AV	Pass
15.247(d) 15.209	Unwanted Emissions	[dBuV/m at 3m]: 2390.00MHz 73.63 (Margin -0.37dB) - PK	Pass
15.247(b)(3)	Conducted Output Power	Max Power [dBm]: 22.03	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

The EUT had six SKU options (SKU1, SKU2, SKU3, SKU1-2, SKU2-2 and SKU3-2). Six options were assessed and SKU2-2 was found to be worst case and was selected for the final testing.

1.1.1 SKU Details

The following SUKs are provided to this EUT.

SKU No.	SKU1	SKU2	SKU3	SKU1-2	SKU2-2	SKU3-2
SKU Description	Intel i3-1115G4E	Intel i5-1145G7E	Intel Celeron 6305E	Intel i3-1115G4E	Intel i5-1145G7E	Intel Celeron 6305E
	13.3"					
M/B	1310A3325001	1310A3325002	1310A3325003	1310A3325001	1310A3325002	1310A3325003
I/O Board	1310A3324701			1310A3388801		
	Audio Codec ALC256M			Audio Codec ALC888S		
Memory (LPDDR4)	Samsung 16GB			Samsung 16GB		
	M471A2K43EB1-CWE			M471A2K43EB1-CWE		
Storage (SSD)	Phison 1TB			Phison 1TB		
	PM81024GPKTCB5BINV-E13T4A			PM81024GPKTCB5BINV-E13T4A		
WLAN Module	Intel			Intel		
	AX210.NGWGII.NV			AX210.NGWGII.NV		
Note: The above SUK, SKU **SKU2-2** was selected as a representative one for the final test and only its data was recorded in this report.						

1.1.2 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_{TX})**	**Data Rate / MCS**
2400-2483.5	b	2412-2472	1-13 [13]	1	1-11 Mbps
2400-2483.5	g	2412-2472	1-13 [13]	1	6-54 Mbps
2400-2483.5	n (HT20)	2412-2472	1-13 [11]	1 2	MCS 0-7 MCS 8-15
2400-2483.5	n (HT40)	2422-2462	3-11 [9]	1 2	MCS 0-7 MCS 8-15
2400-2483.5	ax (HE20)	2412-2472	1-13 [13]	1 2	MCS 0-11
2400-2483.5	ax (HE40)	2422-2462	3-11 [9]	1 2	MCS 0-11
Note 1: RF output power specifies that Maximum Peak Conducted Output Power. Note 2: DSSS-DBPSK, DQPSK, CCK modulation OFDM/OFDMA - BPSK, QPSK, 16QAM, 64QAM, 256QAM and 1024QAM modulation.					

1.1.3 Antenna Details

Ant. No.	Brand	Model	Type	Connector	Operating Frequencies (MHz) / Antenna Gain (dBi)				
					2400~2483.5	**5150~5250**	**5250~5350**	**5470~5725**	**5725~5850**
1	AWAN	AYF6Y-100184	PIFA	UFL	2.68	2.32	2.54	2.76	2.83
2	AWAN	AYF6Y-100185	PIFA	UFL	2.55	2.62	2.62	2.82	2.82

1.1.4 Power Supply Type of Equipment under Test (EUT)

Power Supply Type	19 Vdc from adapter 10.8 Vdc from battery

1.1.5 Accessories

Accessories		
No.	**Equipment**	**Description**
1	Adapter	Brand: FSP Model: FSP090-DBBN3 I/P: 100-240Vac, 50-60Hz, 1.5A O/P: 19.0Vdc, 4.74A, 90.0W Power Line: AC: 1m non-shielded without core DC: 1.45m non-shielded with one core
2	Adapter	Brand: FSP Model: FSP090-RBBM1 I/P: 100-240Vac, 50-60Hz, 1.5-0.6A O/P: 19.0Vdc, 4.74A, 90.0W Power Line: AC: 1m non-shielded without core DC: 1.4m non-shielded with one core
3	Rechargeable Li-ion Battery	Model: ATC-63E-BAT Normal Voltage: 10.8Vdc Rating: 4660mAh (50.3Wh) Charge Voltage Limit:12.6Vdc

Note: Two adapters (FSP090-DBBN3 and FSP090-RBBM1) had been covered during the pretest, and found that FSP090-DBBN3 adapter was the worst case and was selected for final test.

1.1.6 Channel List

Frequency band (MHz)		2400~2483.5	
802.11 b / g / n HT20 / ax HE20		802.11n HT40 / ax HE40	
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	10	2457
9	2452	11	2462
10	2457	---	---
11	2462	---	---
12	2467	---	---
13	2472	---	---

1.1.7 Test Tool and Duty Cycle

Test Tool	DRTU, Version: V0.1032.22.130.0		
Duty Cycle and Duty Factor	**Mode**	**Duty Cycle (%)**	**Duty Factor (dB)**
	11b_1Tx	99.98%	0.00
	11g_1Tx	98.91%	0.05
	ax HE20 FULL RB_1Tx	99.57%	0.02
	ax HE40 FULL RB_1Tx	99.57%	0.02
	ax HE20 FULL RB_2Tx	99.57%	0.02
	ax HE40 FULL RB_2Tx	99.57%	0.02

11ax Partial RU mode

Test Tool	DRTU, Version: V0.1032.22.130.0		
Duty Cycle and Duty Factor	**Mode**	**Duty Cycle (%)**	**Duty Factor (dB)**
	ax HE20 RU_26_1Tx	94.39%	0.25
	ax HE 20 RU_52_1Tx	96.04%	0.18
	ax HE 20 RU_106_1Tx	98.18%	0.08
	ax HE 40 RU_242_1Tx	99.59%	0.02
	ax HE 20 RU_26_2Tx	94.78%	0.23
	ax HE 20 RU_52_2Tx	97.09%	0.13
	ax HE 20_RU_106_2Tx	98.92%	0.05
	ax HE 40 RU_242_2Tx	99.79%	0.01

1.1.8 Power Index of Test Tool

1TX_Port 1		
Modulation Mode	**Test Frequency (MHz)**	**Power Index**
11b	2412MHz	15.5
11b	2437MHz	15.5
11b	2462MHz	15.5
11b	2467MHz	15.5
11b	2472MHz	15.5
11g	2412MHz	16
11g	2437MHz	16
11g	2462MHz	16
11g	2467MHz	14.5
11g	2472MHz	11.5
ax HE20	2412MHz	16
ax HE20	2437MHz	16
ax HE20	2462MHz	16
ax HE20	2467MHz	13.5
ax HE20	2472MHz	10.5
ax HE40	2422MHz	15
ax HE40	2437MHz	16
ax HE40	2452MHz	15
ax HE40	2457MHz	10
ax HE40	2462MHz	10

1TX_Port 2		
Modulation Mode	**Test Frequency (MHz)**	**Power Index**
11b	2412MHz	16
11b	2437MHz	16
11b	2462MHz	16
11b	2467MHz	16
11b	2472MHz	16
11g	2412MHz	16.5
11g	2437MHz	16.5
11g	2462MHz	16.5
11g	2467MHz	15
11g	2472MHz	10.5
ax HE20	2412MHz	16.5
ax HE20	2437MHz	16.5
ax HE20	2462MHz	16.5
ax HE20	2467MHz	14
ax HE20	2472MHz	9
ax HE40	2422MHz	16
ax HE40	2437MHz	16.5
ax HE40	2452MHz	16.5
ax HE40	2457MHz	11
ax HE40	2462MHz	10.5

2TX_Port 1 + 2		
Modulation Mode	**Test Frequency (MHz)**	**Power Index**
ax HE20	2412MHz	12.5
ax HE20	2437MHz	13.5
ax HE20	2462MHz	13.5
ax HE20	2467MHz	8
ax HE20	2472MHz	5.5
ax HE40	2422MHz	12
ax HE40	2437MHz	12.5
ax HE40	2452MHz	12
ax HE40	2457MHz	5
ax HE40	2462MHz	6

11ax Partial RU mode

1TX_Port 1		
Mode	**Test Frequency (MHz)**	**Power Index**
11axHE20 RU_26	2412MHz	16.5
11axHE20 RU_26	2437MHz	16.5
11axHE20 RU_26	2462MHz	16.5
11axHE20 RU_26	2467MHz	13.5
11axHE20 RU_26	2472MHz	9.5
11axHE20 RU_52	2412MHz	15.5
11axHE20 RU_52	2437MHz	15.5
11axHE20 RU_52	2462MHz	15.5
11axHE20 RU_52	2467MHz	13
11axHE20 RU_52	2472MHz	9.5
11axHE20 RU_106	2412MHz	16
11axHE20 RU_106	2437MHz	15.5
11axHE20 RU_106	2462MHz	16
11axHE20 RU_106	2467MHz	13
11axHE20 RU_106	2472MHz	9.5
11axHE40 RU_242	2422MHz	15.5
11axHE40 RU_242	2437MHz	15.5
11axHE40 RU_242	2452MHz	15.5
11axHE40 RU_242	2457MHz	10
11axHE40 RU_242	2462MHz	10

1TX_Port 2		
Mode	**Test Frequency (MHz)**	**Power Index**
11axHE20 RU_26	2412MHz	16.5
11axHE20 RU_26	2437MHz	16.5
11axHE20 RU_26	2462MHz	16.5
11axHE20 RU_26	2467MHz	13.5
11axHE20 RU_26	2472MHz	9
11axHE20 RU_52	2412MHz	16.5
11axHE20 RU_52	2437MHz	16.5
11axHE20 RU_52	2462MHz	16.5
11axHE20 RU_52	2467MHz	13
11axHE20 RU_52	2472MHz	9
11axHE20 RU_106	2412MHz	16.5
11axHE20 RU_106	2437MHz	16.5
11axHE20 RU_106	2462MHz	16.5
11axHE20 RU_106	2467MHz	13.5
11axHE20 RU_106	2472MHz	9
11axHE40 RU_242	2422MHz	16
11axHE40 RU_242	2437MHz	16.5
11axHE40 RU_242	2452MHz	16.5
11axHE40 RU_242	2457MHz	11
11axHE40 RU_242	2462MHz	10.5

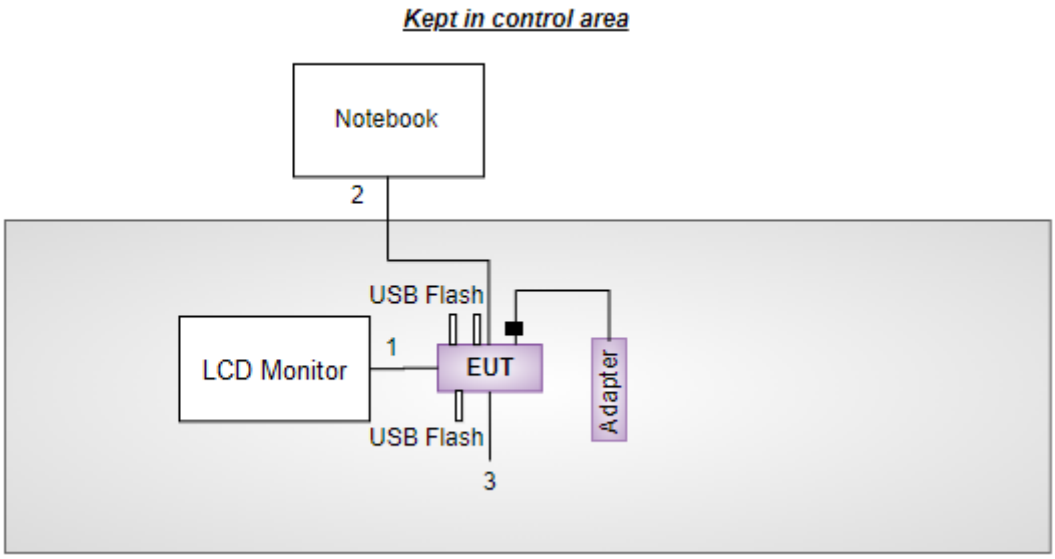
2TX_Port 1 + 2		
Mode	**Test Frequency (MHz)**	**Power Index**
11axHE20 RU_26	2412MHz	12
11axHE20 RU_26	2437MHz	13
11axHE20 RU_26	2462MHz	12.5
11axHE20 RU_26	2467MHz	7.5
11axHE20 RU_26	2472MHz	5.5
11axHE20 RU_52	2412MHz	12
11axHE20 RU_52	2437MHz	12.5
11axHE20 RU_52	2462MHz	12.5
11axHE20 RU_52	2467MHz	7.5
11axHE20 RU_52	2472MHz	5.5
11axHE20 RU_106	2412MHz	12
11axHE20 RU_106	2437MHz	12.5
11axHE20 RU_106	2462MHz	12.5
11axHE20 RU_106	2467MHz	7.5
11axHE20 RU_106	2472MHz	5.5
11axHE40 RU_242	2422MHz	12.5
11axHE40 RU_242	2437MHz	12
11axHE40 RU_242	2452MHz	11.5
11axHE40 RU_242	2457MHz	4.5
11axHE40 RU_242	2462MHz	5.5

1.2 Local Support Equipment List

Support Equipment List					
No.	**Equipment**	**Brand**	**Model**	**FCC ID**	**Remarks**
1	Notebook	DELL	Latitude E5470	DoC	---
2	USB Flash	pqi(USB 3.1 Type-C)	Connect 313/16GB	---	---
3	USB Flash	Transcend(USB 3.0)	JetFlash 700	---	---
4	USB Flash	Transcend(USB 3.0)	JetFlash 700	---	---
5	Earphone	Samsung	EHS64	---	---
6	LCD Monitor	ASUS(27")	MX27UCS	---	---

1.3 Test Setup Chart

Test Setup Diagram



No.	Signal cable / Length (m)
1	HDMI, 1.3m shielded.
2	RJ45, 10m non-shielded.
3	Earphone, 1.2m non-shielded.

1.4 The Equipment List

Test Item	Conducted Emission				
Test Site	Conduction room 1 / (CO01-WS)				
Tested Date	May 16, 2022				
Instrument	**Brand**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Receiver	R&S	ESR3	101658	Feb. 16, 2022	Feb. 15, 2023
LISN	R&S	ENV216	101579	Apr. 21, 2022	Apr. 20, 2023
LISN (Support Unit)	SCHWARZBECK	Schwarzbeck 8127	8127667	Jan .07, 2022	Jan .06, 2023
RF Cable-CON	Woken	CFD200-NL	CFD200-NL-001	Oct. 19, 2021	Oct. 18, 2022
50 ohm terminal (Support Unit)	NA	50	04	May 25, 2021	May 24, 2022
Measurement Software	AUDIX	e3	6.120210k	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	Radiated Emission				
Test Site	966 chamber1 / (03CH01-WS)				
Tested Date	May 04 ~ May 16, 2022				
Instrument	**Brand**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Receiver	R&S	ESR3	101657	Mar. 15, 2022	Mar. 14, 2023
Spectrum Analyzer	R&S	FSV40	101498	Nov. 29, 2021	Nov. 28, 2022
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 08, 2021	Nov. 07, 2022
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-522	Jun. 30, 2021	Jun. 29, 2022
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1096	Dec. 03, 2021	Dec. 02, 2022
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170508	Jan. 11, 2022	Jan. 10, 2023
Preamplifier	EMC	EMC02325	980225	Jun. 29, 2021	Jun. 28, 2022
Preamplifier	Agilent	83017A	MY39501308	Sep. 28, 2021	Sep. 27, 2022
Preamplifier	EMC	EMC184045B	980192	Jul. 14, 2021	Jul. 13, 2022
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 05, 2021	Oct. 04, 2022
LF cable 3M	Woken	CFD400NL-LW	CFD400NL-001	Oct. 05, 2021	Oct. 04, 2022
LF cable 11M	EMC	EMCCFD400-NW-NW-11000	200801	Oct. 05, 2021	Oct. 04, 2022
LF cable 1M	EMC	EMCCFD400-NM-NM-1000	160502	Oct. 05, 2021	Oct. 04, 2022
RF Cable	EMC	EMC104-35M-35M-8000	210920	Oct. 05, 2021	Oct. 04, 2022
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16019/4	Oct. 05, 2021	Oct. 04, 2022
Measurement Software	AUDIX	e3	6.120210g	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	RF Conducted				
Test Site	(TH01-WS)				
Tested Date	Apr. 28 ~ May 26, 2022				
Instrument	**Brand**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Spectrum Analyzer	R&S	FSV40	101910	Apr. 18, 2022	Apr. 17, 2023
Power Meter	Anritsu	ML2495A	1241002	Nov. 07, 2021	Nov. 06, 2022
Power Sensor	Anritsu	MA2411B	1207366	Nov. 07, 2021	Nov. 06, 2022
Measurement Software	Sporton	SENSE-15247_DTS	V5.10.7.18	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
AC Power Line Conducted Emission	ax HE20	2437	MCS 0	3
Unwanted Emissions ≤ 1GHz	11b	2437	1 Mbps	1
Unwanted Emissions ≤ 1GHz	ax HE40	2437	MCS 0	3
Unwanted Emissions >1GHz	11b	2412 / 2437 / 2462 / 2467 / 2472	1 Mbps	1
	11g	2412 / 2437 / 2462 / 2467 / 2472	6 Mbps	1
	ax HE20	2412 / 2437 / 2462 / 2467 / 2472	MCS 0	1, 3
	ax HE40	2422 / 2437 / 2452 / 2457 / 2462	MCS 0	1, 3
Conducted Output Power	11b 11g ax HE20 ax HE40	2412 / 2437 / 2462 / 2467 / 2472 2412 / 2437 / 2462 / 2467 / 2472 2412 / 2437 / 2462 / 2467 / 2472 2422 / 2437 / 2452 / 2457 / 2462	1 Mbps 6 Mbps MCS 0 MCS 0	1, 2
Conducted Output Power 6dB bandwidth Power spectral density	ax HE20 ax HE40	2412 / 2437 / 2462 / 2467 / 2472 2422 / 2437 / 2452 / 2457 / 2462	MCS 0 MCS 0	3
6dB bandwidth Power spectral density	11b 11g ax HE20 ax HE40	2412 / 2437 / 2462 / 2467 / 2472 2412 / 2437 / 2462 / 2467 / 2472 2412 / 2437 / 2462 / 2467 / 2472 2422 / 2437 / 2452 / 2457 / 2462	1 Mbps 6 Mbps MCS 0 MCS 0	1

NOTE:

1. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The **Z-plane** results were found as the worst case and were shown in this report.
2. The device supports diversity function that listed as below:
   1) Configuration 1: 1Tx, port 1, AYF6Y-100184 antenna
   2) Configuration 2: 1Tx, port 2, AYF6Y-100185 antenna
   3) Configuration 3: 2Tx, port 1 + 2, AYF6Y-100184 + AYF6Y-100185 antenna

11ax Partial RU mode

Test item	Modulation Mode	Test Frequency (MHz)	Data Rate	Test Configuration
AC Power Line Conducted Emission	ax HE20 RU 26	2437	MCS 0	3
Unwanted Emissions ≤ 1GHz	ax HE20 RU 26	2437	MCS 0	1
Unwanted Emissions ≤ 1GHz	ax HE20 RU 26	2437	MCS 0	3
Unwanted Emissions >1GHz	ax HE20 RU 26 ax HE20 RU 52 ax HE20 RU 106 ax HE40 RU 242	2412 / 2437 / 2462 / 2467 / 2472 2412 / 2437 / 2462 / 2467 / 2472 2412 / 2437 / 2462 / 2467 / 2472 2422 / 2437 / 2452 / 2457 / 2462	MCS 0 MCS 0 MCS 0 MCS 0	1, 3
Conducted Output Power	ax HE20 RU 26 ax HE20 RU 52 ax HE20 RU 106 ax HE40 RU 242	2412 / 2437 / 2462 / 2467 / 2472 2412 / 2437 / 2462 / 2467 / 2472 2412 / 2437 / 2462 / 2467 / 2472 2422 / 2437 / 2452 / 2457 / 2462	MCS 0 MCS 0 MCS 0 MCS 0	1, 2, 3
6dB bandwidth Power spectral density	ax HE20 RU 26 ax HE20 RU 52 ax HE20 RU 106 ax HE40 RU 242	2412 / 2437 / 2462 / 2467 / 2472 2412 / 2437 / 2462 / 2467 / 2472 2412 / 2437 / 2462 / 2467 / 2472 2422 / 2437 / 2452 / 2457 / 2462	MCS 0 MCS 0 MCS 0 MCS 0	1, 3

NOTE:

1. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The **Z-plane** results were found as the worst case and were shown in this report.
2. The device supports diversity function that listed as below:
   1) Configuration 1: 1Tx, port 1, AYF6Y-100184 antenna
   2) Configuration 2: 1Tx, port 2, AYF6Y-100185 antenna
   3) Configuration 3: 2Tx, port 1 + 2, AYF6Y-100184 + AYF6Y-100185 antenna

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

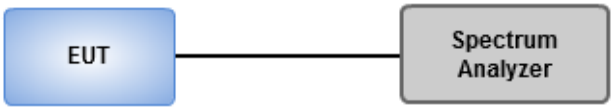
6dB Bandwidth

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	22~24°C / 63~67%	**Tested By**	Aska Huang

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	22~24°C / 63~67%	**Tested By**	Aska Huang

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 ≥ 98%

1. Set the RBW = 30 kHz, VBW = 100 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 = 30 kHz, VBW = 100 kHz. Detector = RMS.

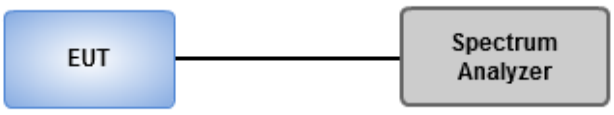
2 Set the sweep time to: ≥ 10 (number of measurement points in sweep) x (total on/off period of the transmitted signal).

3 Perform the measurement over a single sweep.

4 Use the peak marker function to determine the maximum amplitude level.

5 Add 10 log (1/x), where x is the duty cycle.

3.3.3 Test Setup



3.3.4 Test Results

Ambient Condition	22~24°C / 63~67%	**Tested By**	Aska Huang

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:
Qusai-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

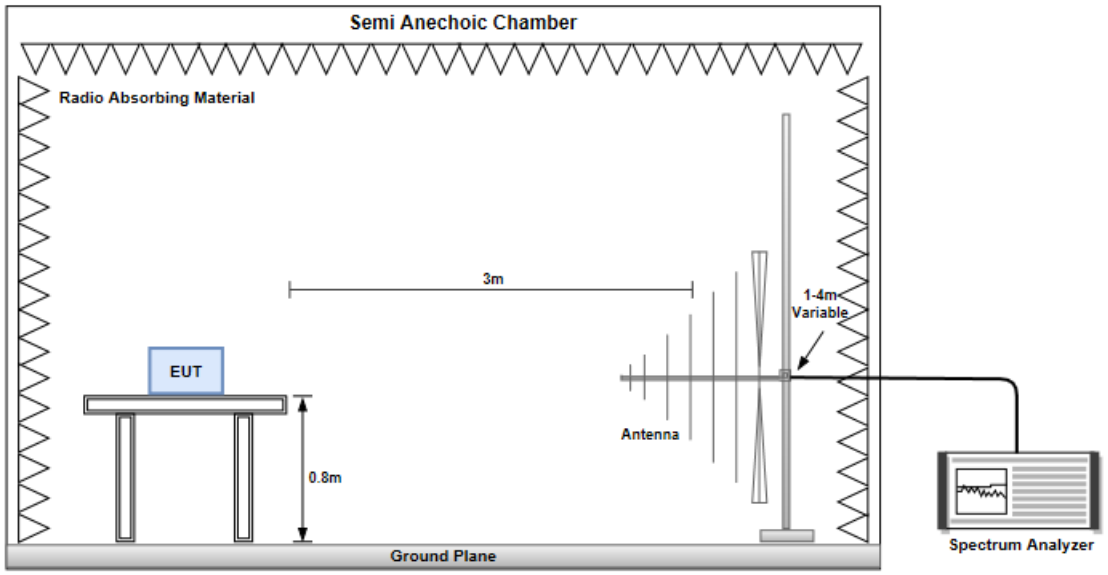
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission 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:

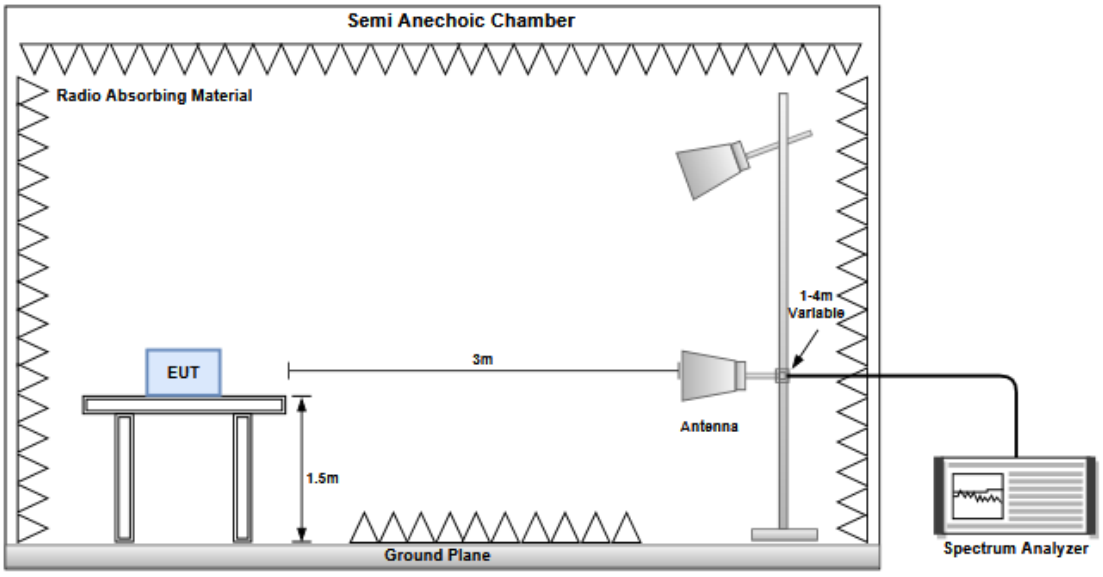
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above 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 20 dB relative to the maximum in-band peak PSD level in 100 kHz.

3.5.2 Test Procedures

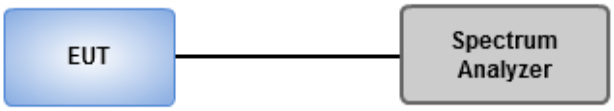
Reference level measurement

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	22~24°C / 63~67%	Tested By	Aska Huang

Refer to Appendix E.

3.6 AC Power Line Conducted Emissions

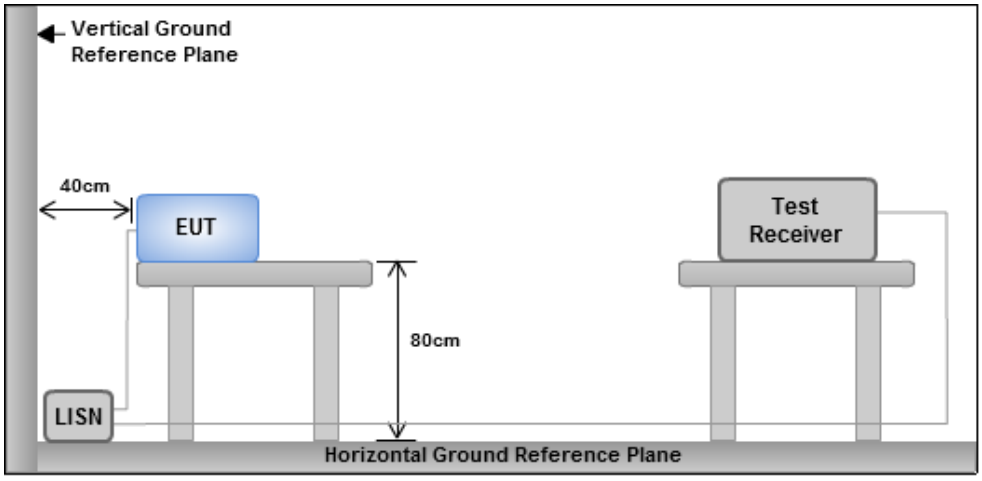
3.6.1 Limit of AC Power Line Conducted Emissions

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 Ω 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	**Kwei Shan**	**Kwei Shan Site II**
Tel: 886-2-2601-1640	Tel: 886-3-271-8666	Tel: 886-3-271-8640
No.30-2, Ding Fwu Tsuen, Lin Kou District, New Taipei City, Taiwan (R.O.C.)	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.)	No.14-1, Lane 19, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 333, 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==

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)_1TX	9.05M	13.518M	13M5G1D	8.075M	13.418M
802.11g_Nss1,(6Mbps)_1TX	16.325M	16.842M	16M8D1D	12.95M	16.517M
802.11ax HEW20_Nss1,(MCS0)_1TX_FULL_RU	18.4M	18.941M	18M9D1D	12.125M	18.741M
802.11ax HEW40_Nss1,(MCS0)_1TX_FULL_RU	37.25M	37.731M	37M7D1D	30.35M	37.481M
802.11ax HEW20_Nss2,(MCS0)_2TX_FULL_RU	18.825M	18.966M	19M0D1D	11.3M	18.741M
802.11ax HEW40_Nss2,(MCS0)_2TX_FULL_RU	37.45M	37.831M	37M8D1D	30.1M	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

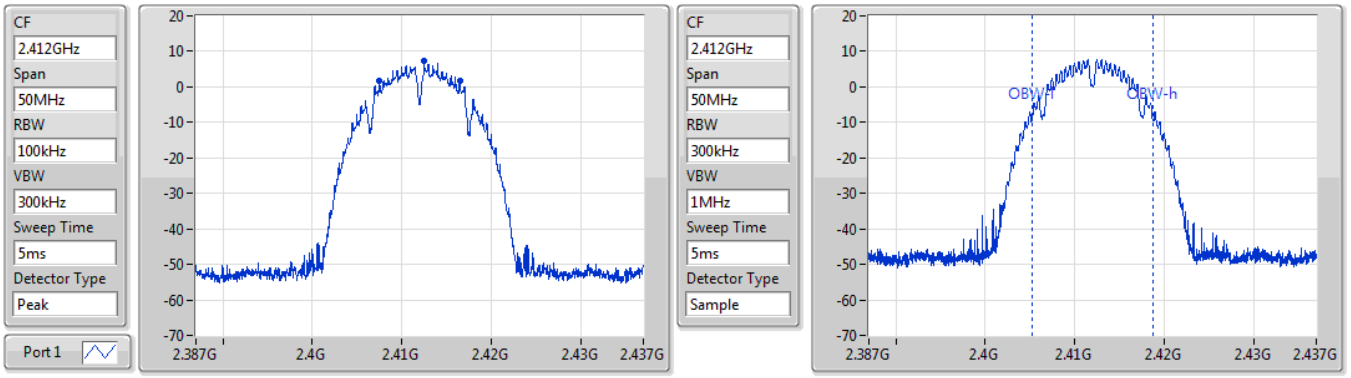
Result

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)_1TX	-	-	-	-	-	-
2412MHz	Pass	500k	9.025M	13.468M		
2437MHz	Pass	500k	9.05M	13.518M		
2462MHz	Pass	500k	8.55M	13.518M		
2467MHz	Pass	500k	9.025M	13.468M		
2472MHz	Pass	500k	8.075M	13.418M		
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-
2412MHz	Pass	500k	13.825M	16.767M		
2437MHz	Pass	500k	12.95M	16.842M		
2462MHz	Pass	500k	15.1M	16.767M		
2467MHz	Pass	500k	15.4M	16.817M		
2472MHz	Pass	500k	16.325M	16.517M		
802.11ax HEW20_Nss1,(MCS0)_1TX_FULL_RU	-	-	-	-	-	-
2412MHz	Pass	500k	17.525M	18.916M		
2437MHz	Pass	500k	18.4M	18.891M		
2462MHz	Pass	500k	12.125M	18.916M		
2467MHz	Pass	500k	14.95M	18.941M		
2472MHz	Pass	500k	17.9M	18.741M		
802.11ax HEW40_Nss1,(MCS0)_1TX_FULL_RU	-	-	-	-	-	-
2422MHz	Pass	500k	31.15M	37.581M		
2437MHz	Pass	500k	30.35M	37.631M		
2452MHz	Pass	500k	33.95M	37.631M		
2457MHz	Pass	500k	33.45M	37.481M		
2462MHz	Pass	500k	37.25M	37.731M		
802.11ax HEW20_Nss2,(MCS0)_2TX_FULL_RU	-	-	-	-	-	-
2412MHz	Pass	500k	14.975M	18.941M	11.3M	18.966M
2437MHz	Pass	500k	18.8M	18.916M	18.825M	18.941M
2462MHz	Pass	500k	15.325M	18.941M	13.875M	18.916M
2467MHz	Pass	500k	13.725M	18.941M	11.75M	18.941M
2472MHz	Pass	500k	18M	18.741M	17.8M	18.766M
802.11ax HEW40_Nss2,(MCS0)_2TX_FULL_RU	-	-	-	-	-	-
2422MHz	Pass	500k	36.5M	37.581M	32M	37.531M
2437MHz	Pass	500k	33.25M	37.581M	30.1M	37.631M
2452MHz	Pass	500k	33.1M	37.581M	32.45M	37.531M
2457MHz	Pass	500k	31M	37.531M	31.35M	37.581M
2462MHz	Pass	500k	37.45M	37.731M	37.15M	37.831M

Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

802.11b_Nss1,(1Mbps)_1TX EBW

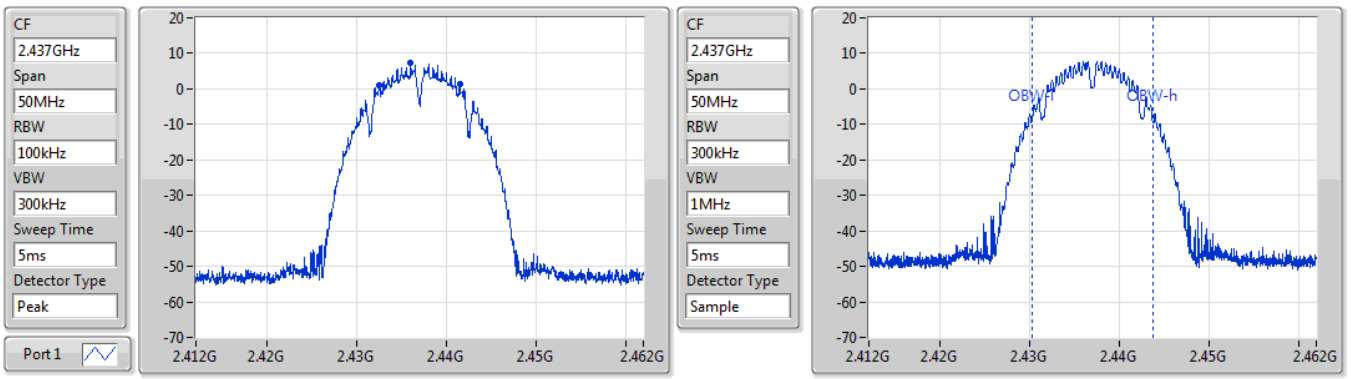
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.025M	2.407475G	2.4165G	13.468M	2.405253G	2.418722G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

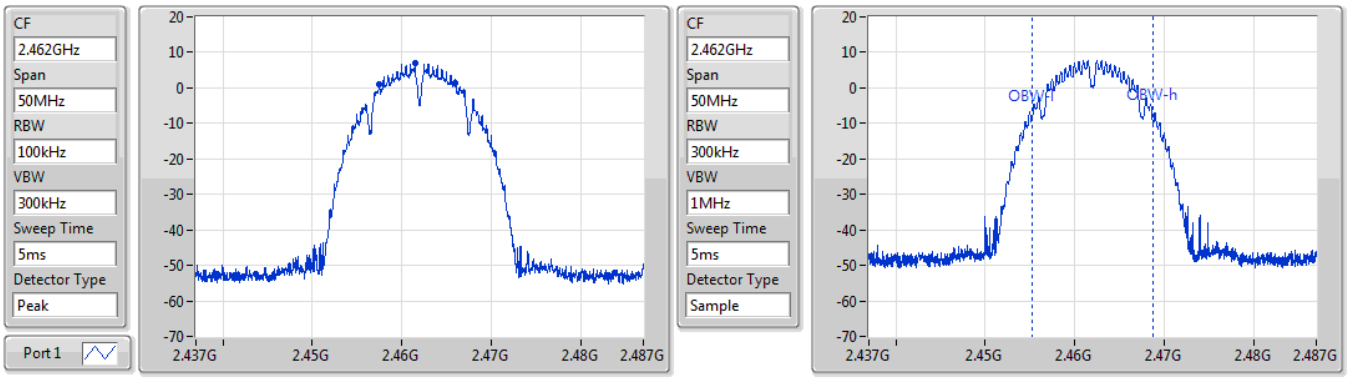
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.05M	2.43245G	2.4415G	13.518M	2.430203G	2.443722G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

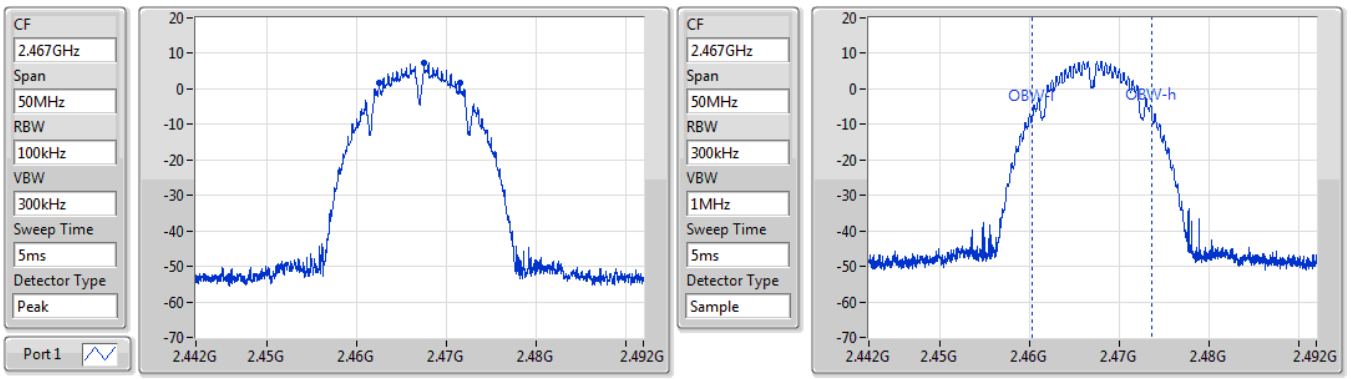
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.55M	2.457475G	2.466025G	13.518M	2.455178G	2.468697G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

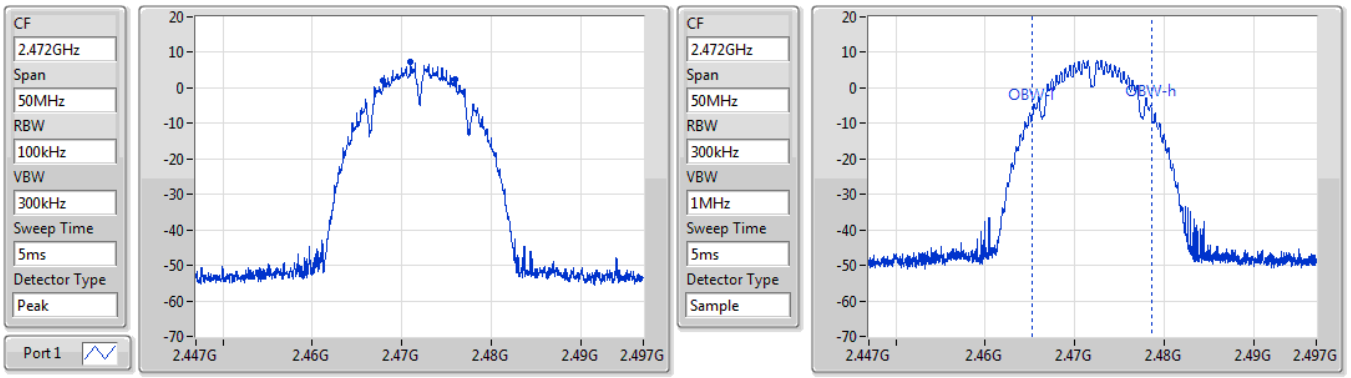
2467MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.025M	2.462475G	2.4715G	13.468M	2.460203G	2.473672G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

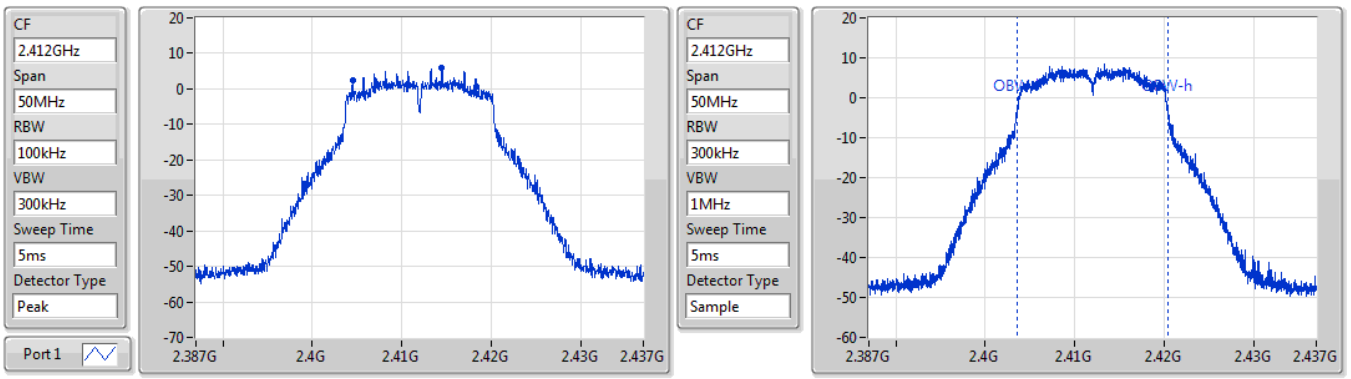
2472MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.075M	2.46795G	2.476025G	13.418M	2.465228G	2.478647G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

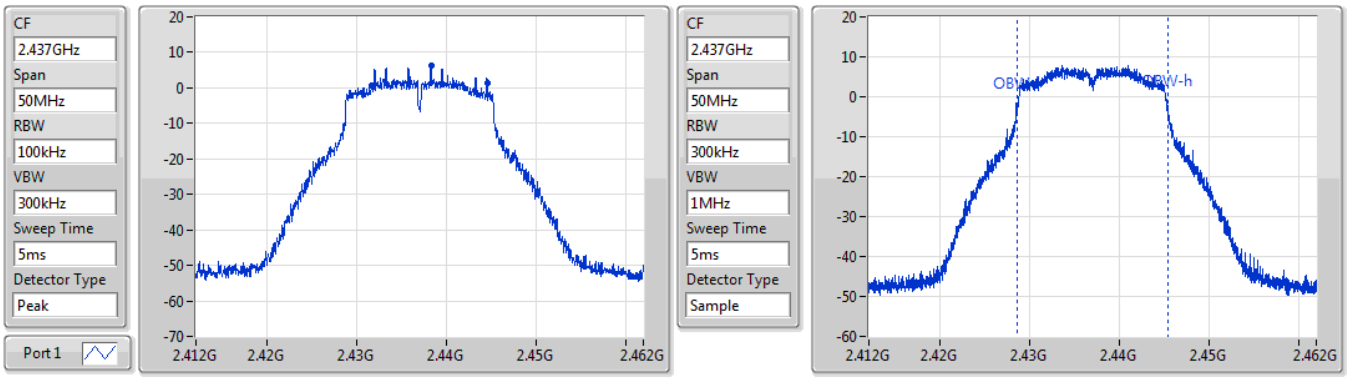
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
13.825M	2.4045G	2.418325G	16.767M	2.403604G	2.420371G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

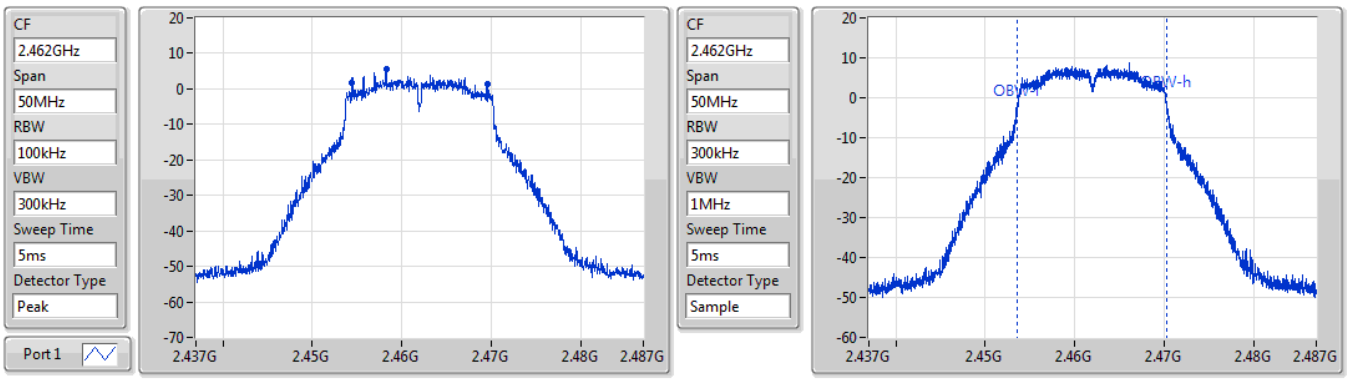
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
12.95M	2.4316G	2.44455G	16.842M	2.428554G	2.445396G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

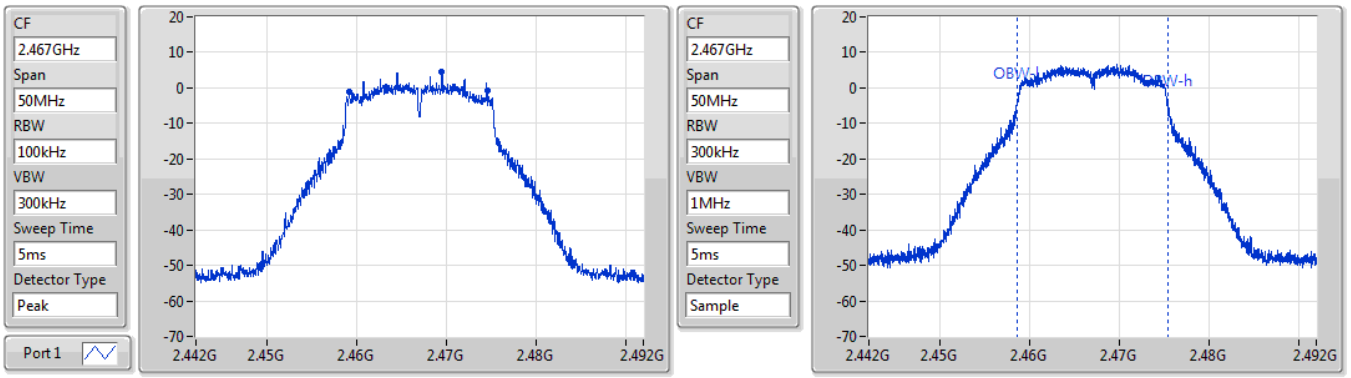
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.1M	2.45445G	2.46955G	16.767M	2.453554G	2.470321G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

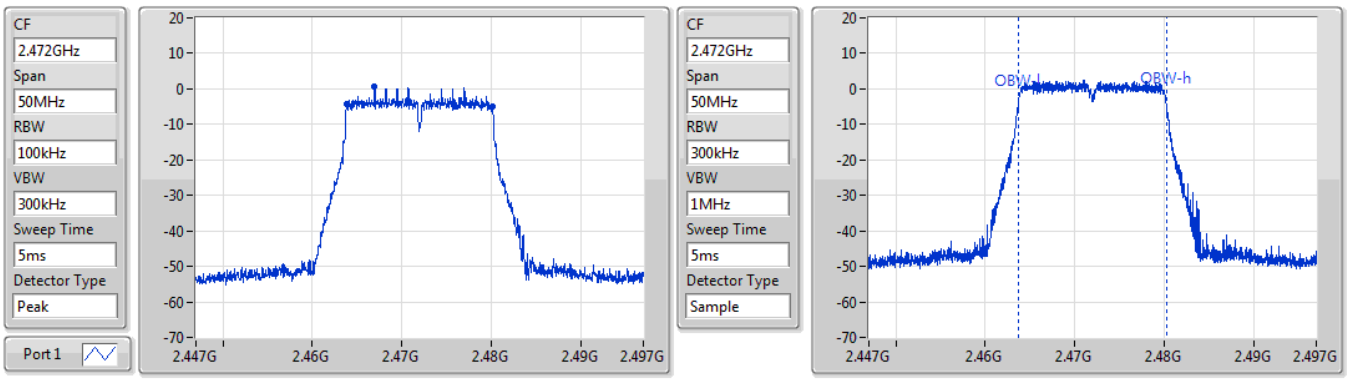
2467MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.4M	2.459125G	2.474525G	16.817M	2.458554G	2.475371G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

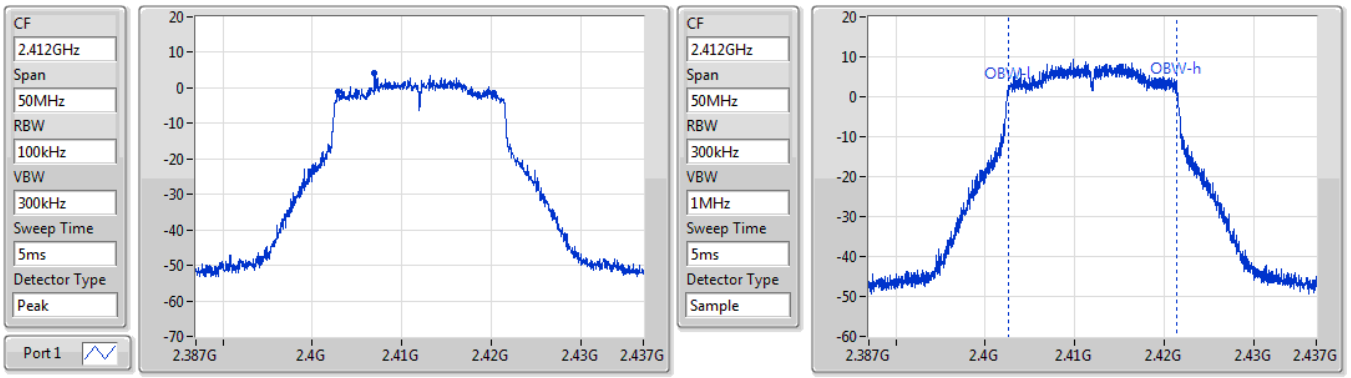
2472MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.463825G	2.48015G	16.517M	2.463704G	2.480221G	500k	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

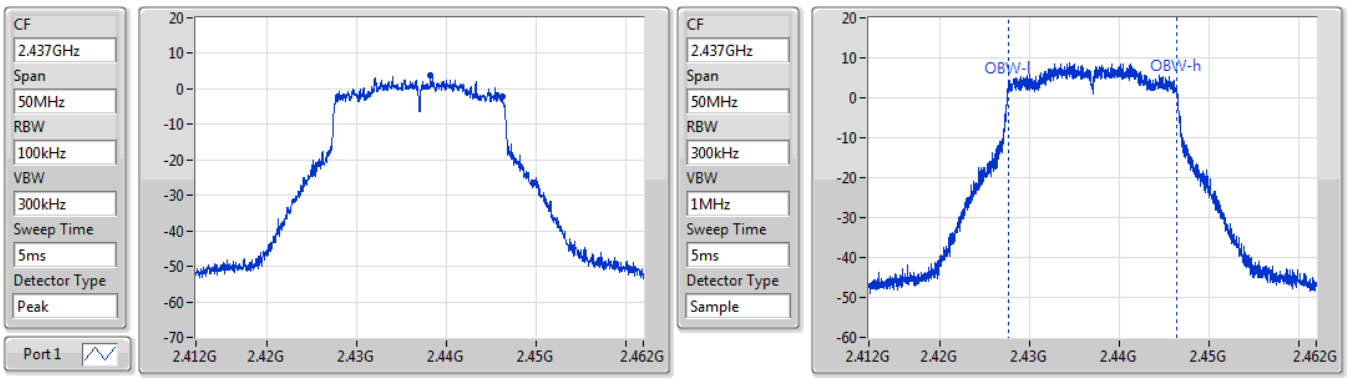
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.525M	2.402825G	2.42035G	18.916M	2.40253G	2.421445G	500k	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

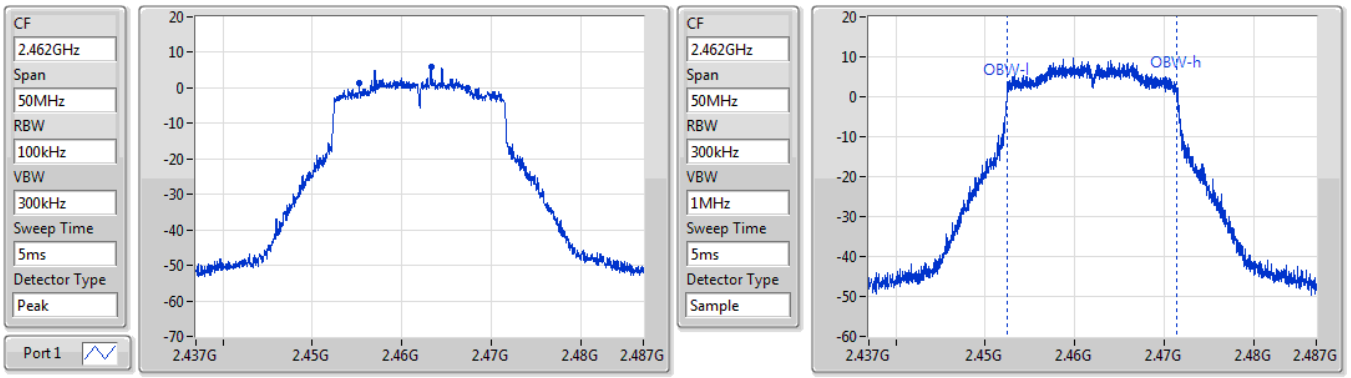
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.4M	2.427825G	2.446225G	18.891M	2.42753G	2.44642G	500k	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

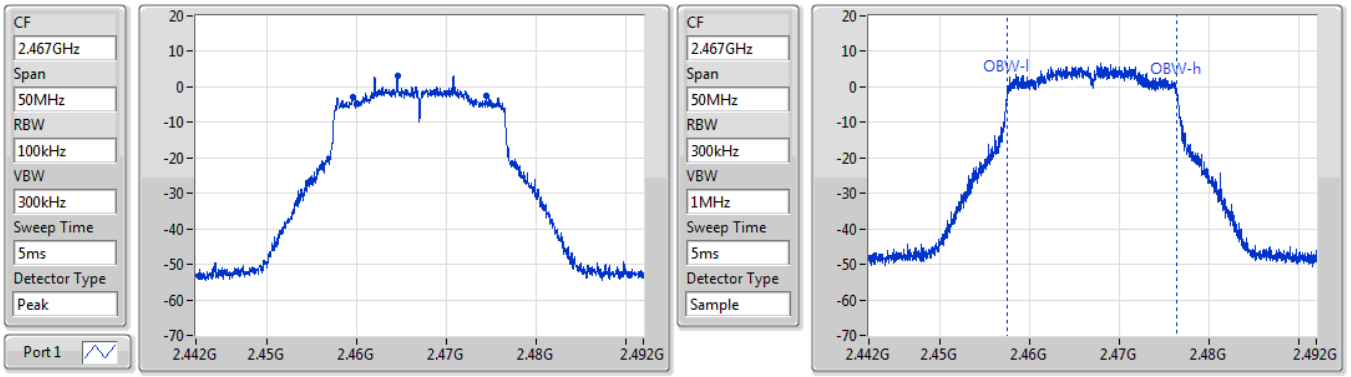
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
12.125M	2.45525G	2.467375G	18.916M	2.452505G	2.47142G	500k	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

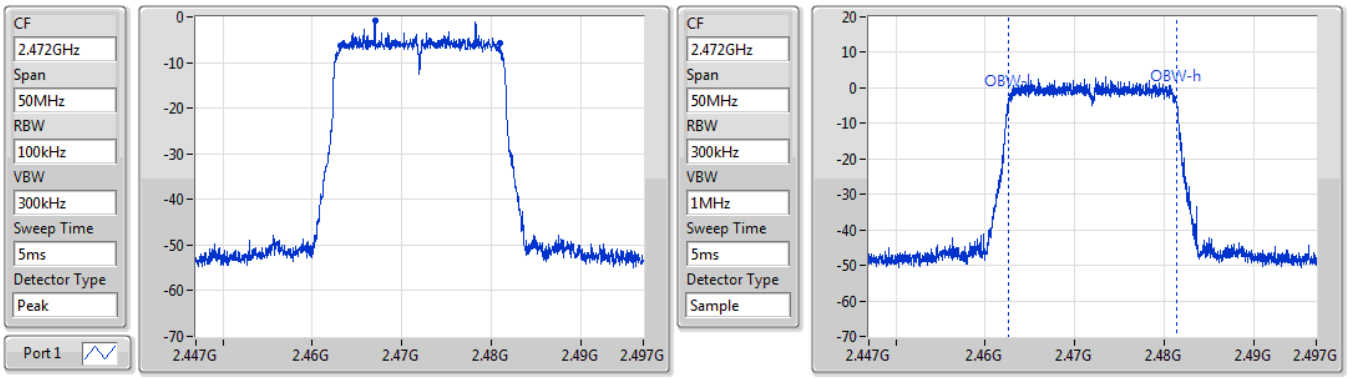
2467MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.95M	2.459525G	2.474475G	18.941M	2.457505G	2.476445G	500k	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

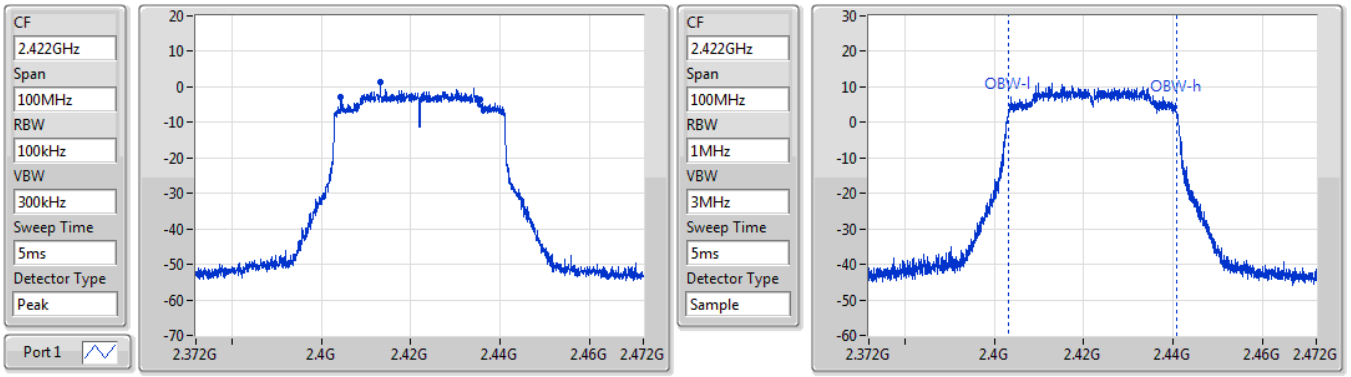
2472MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.9M	2.4631G	2.481G	18.741M	2.462605G	2.481345G	500k	1

802.11ax HEW40_Nss1,(MCS0)_1TX EBW

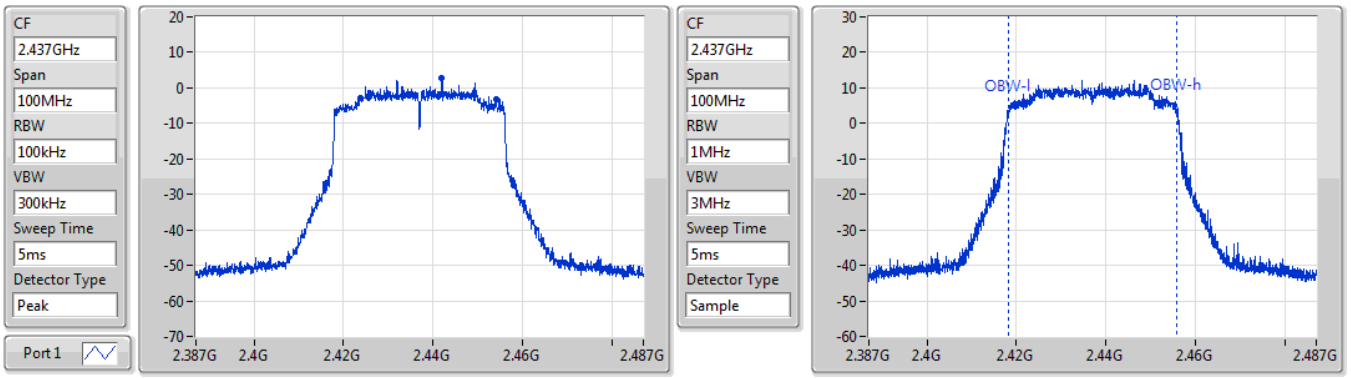
2422MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
31.15M	2.40445G	2.4356G	37.581M	2.403209G	2.440791G	500k	1

802.11ax HEW40_Nss1,(MCS0)_1TX EBW

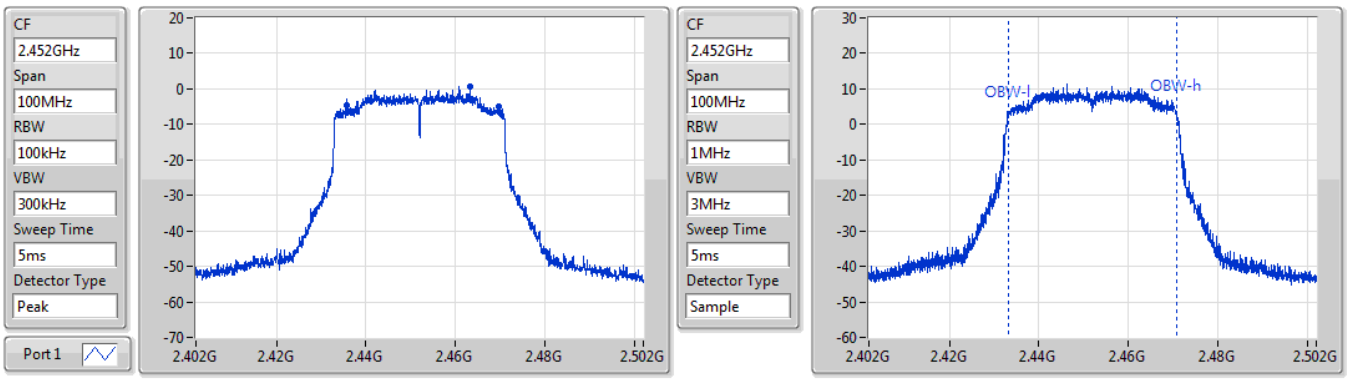
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
30.35M	2.42365G	2.454G	37.631M	2.418159G	2.455791G	500k	1

802.11ax HEW40_Nss1,(MCS0)_1TX EBW

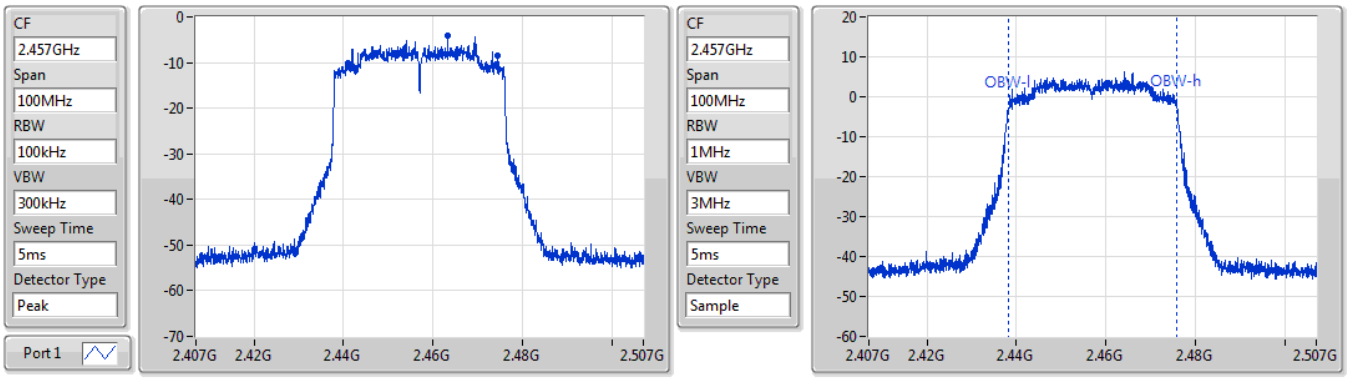
2452MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.95M	2.43565G	2.4696G	37.631M	2.433159G	2.470791G	500k	1

802.11ax HEW40_Nss1,(MCS0)_1TX EBW

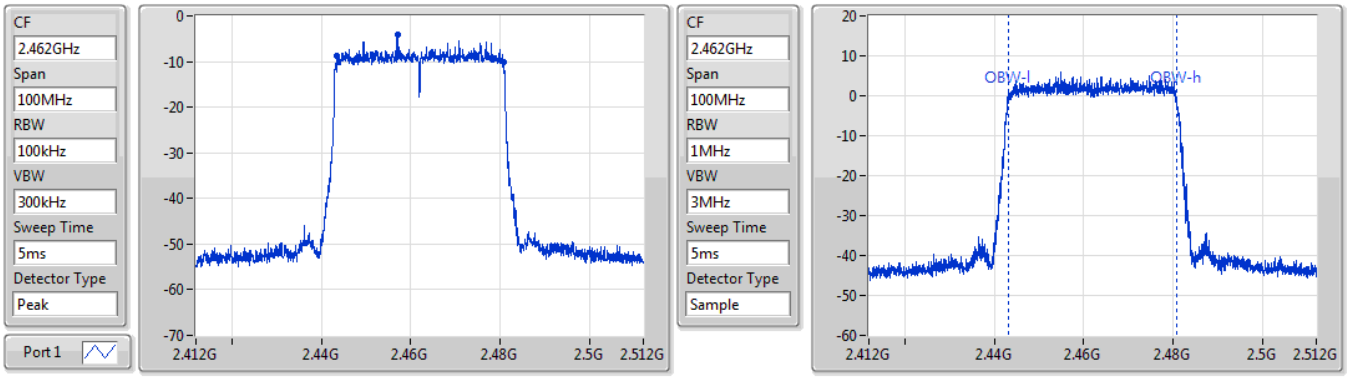
2457MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.45M	2.44105G	2.4745G	37.481M	2.438259G	2.475741G	500k	1

802.11ax HEW40_Nss1,(MCS0)_1TX EBW

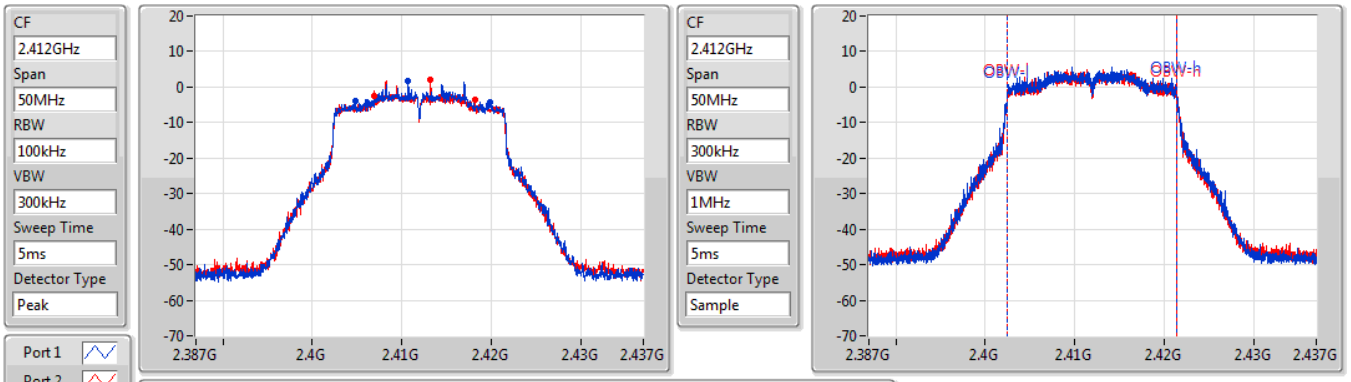
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.25M	2.4435G	2.48075G	37.731M	2.443109G	2.480841G	500k	1

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

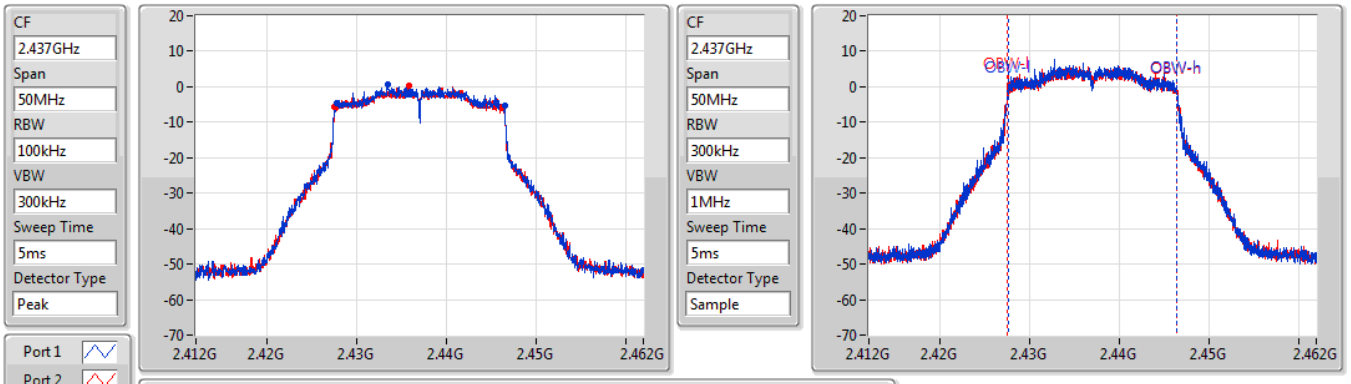
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.975M	2.40485G	2.419825G	18.941M	2.402505G	2.421445G	500k	1
11.3M	2.4069G	2.4182G	18.966M	2.402505G	2.42147G	500k	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

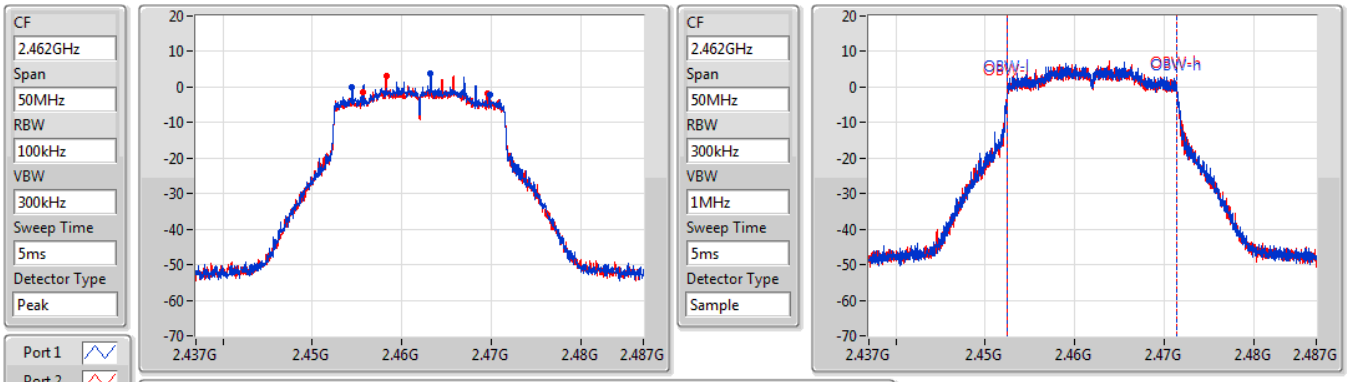
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.8M	2.427675G	2.446475G	18.916M	2.42753G	2.446445G	500k	1
18.825M	2.427475G	2.4463G	18.941M	2.427505G	2.446445G	500k	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

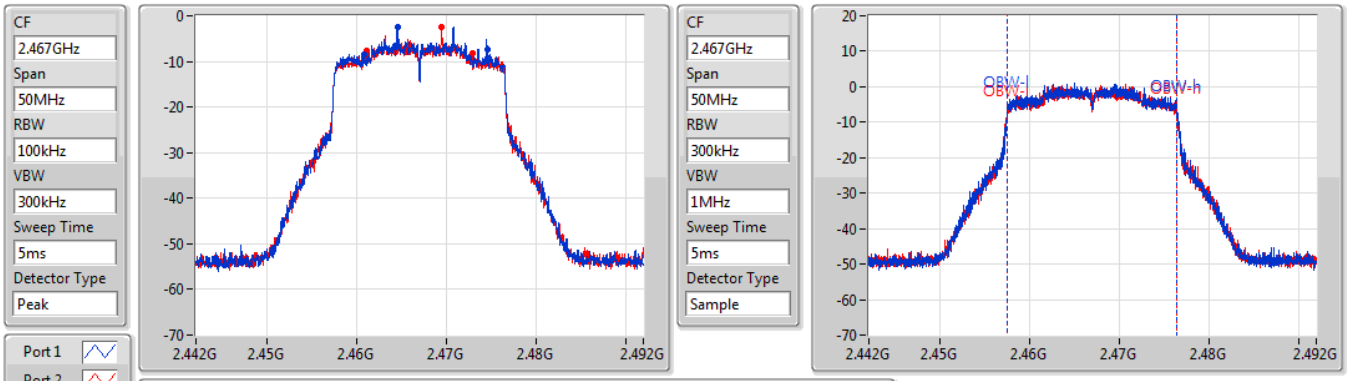
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.325M	2.454475G	2.4698G	18.941M	2.452505G	2.471445G	500k	1
13.875M	2.455675G	2.46955G	18.916M	2.452505G	2.47142G	500k	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

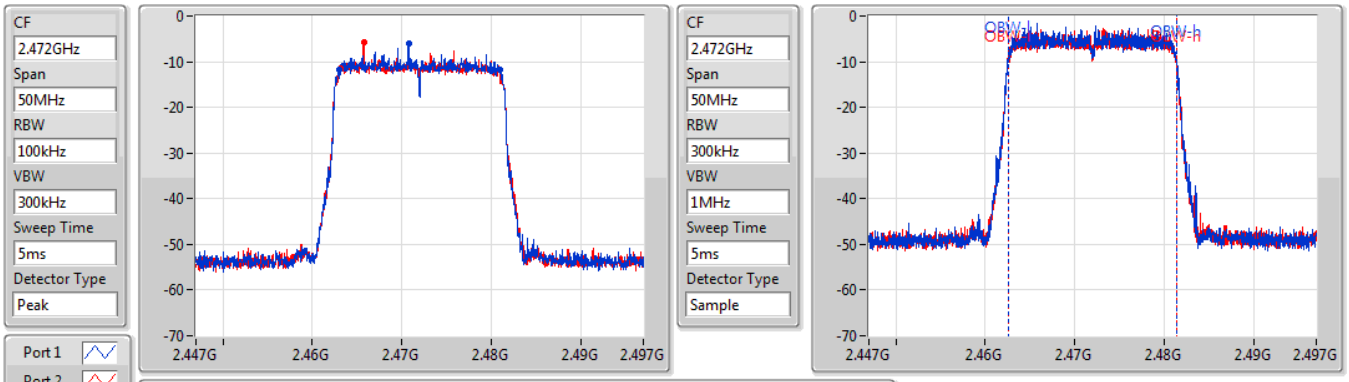
2467MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
13.725M	2.4608G	2.474525G	18.941M	2.457505G	2.476445G	500k	1
11.75M	2.461125G	2.472875G	18.941M	2.457505G	2.476445G	500k	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

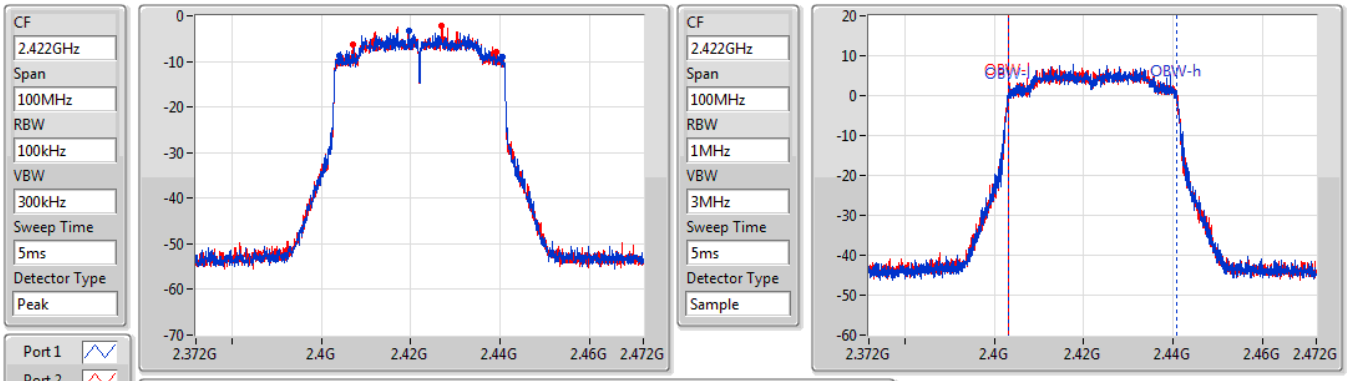
2472MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18M	2.463G	2.481G	18.741M	2.462605G	2.481345G	500k	1
17.8M	2.463125G	2.480925G	18.766M	2.46258G	2.481345G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

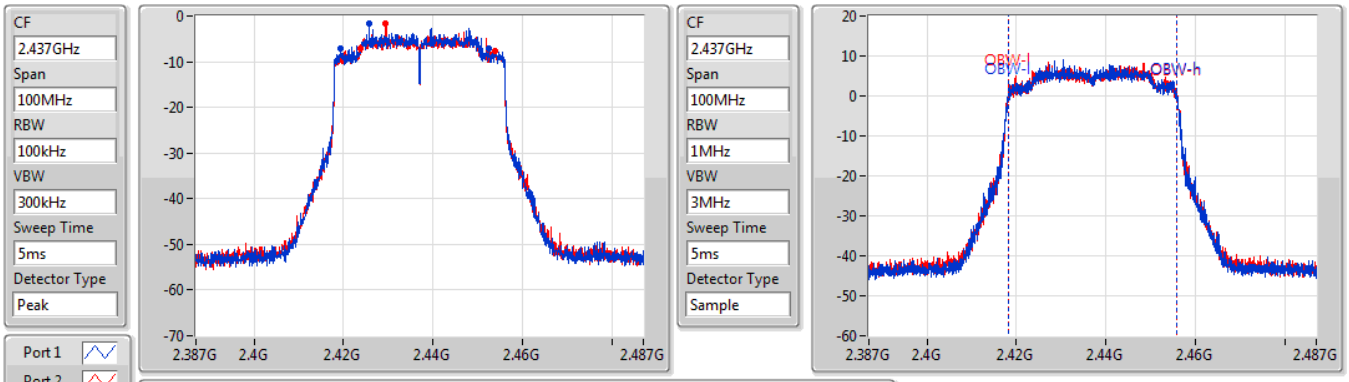
2422MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.5M	2.404G	2.4405G	37.581M	2.403209G	2.440791G	500k	1
32M	2.407G	2.439G	37.531M	2.403209G	2.440741G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

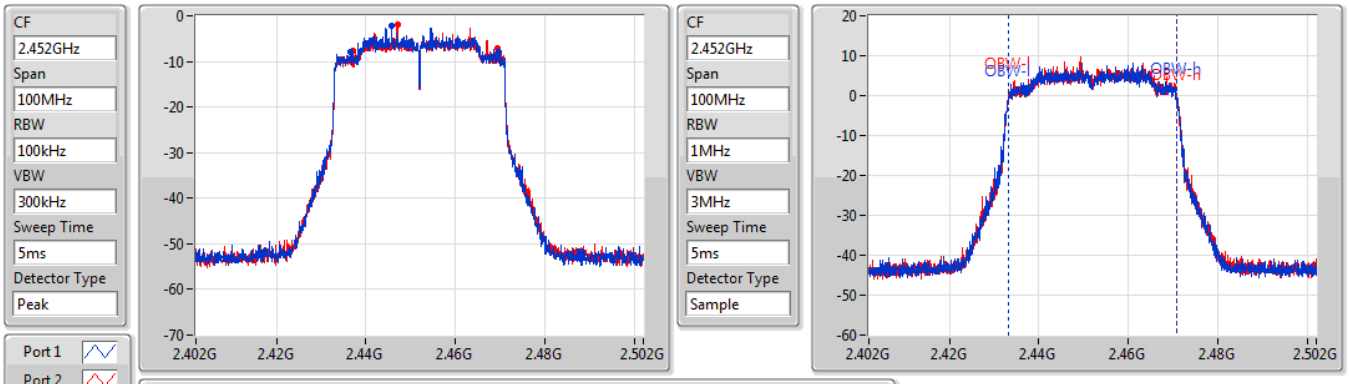
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.25M	2.4193G	2.45255G	37.581M	2.418209G	2.455791G	500k	1
30.1M	2.42375G	2.45385G	37.631M	2.418209G	2.455841G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

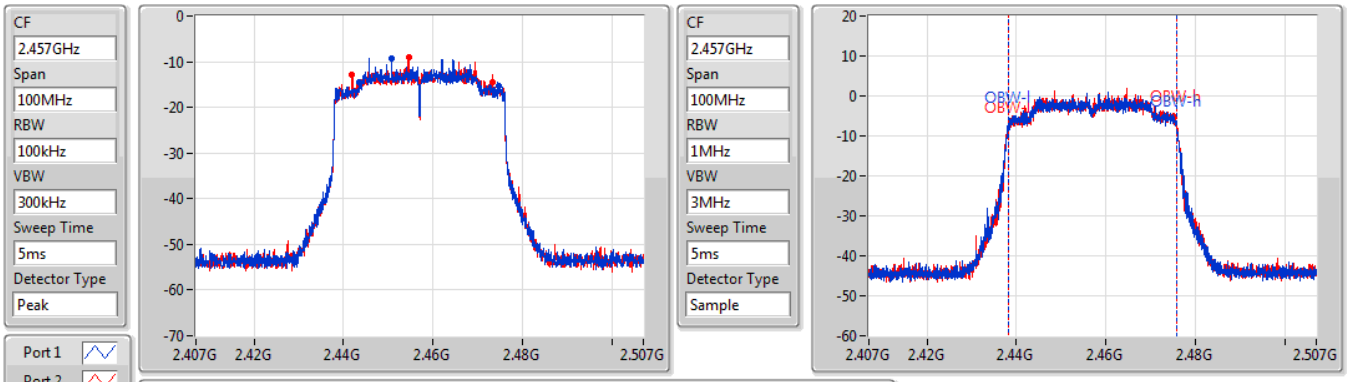
2452MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.1M	2.4366G	2.4697G	37.581M	2.433209G	2.470791G	500k	1
32.45M	2.43705G	2.4695G	37.531M	2.433259G	2.470791G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

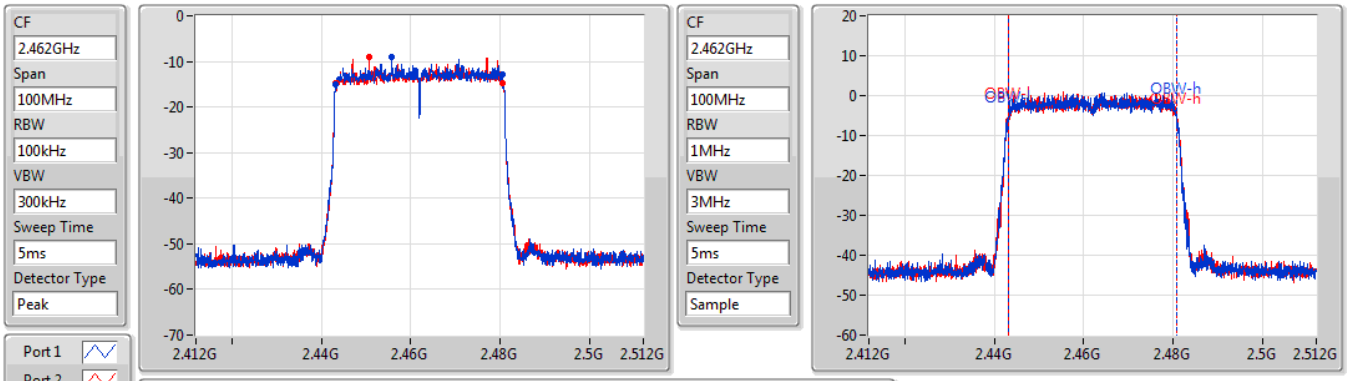
2457MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
31M	2.44355G	2.47455G	37.531M	2.438209G	2.475741G	500k	1
31.35M	2.44195G	2.4733G	37.581M	2.438209G	2.475791G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.45M	2.44315G	2.4806G	37.731M	2.443109G	2.480841G	500k	1
37.15M	2.44325G	2.4804G	37.831M	2.443059G	2.480891G	500k	2

11ax Partial RU mode

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11ax HEW20_RU26_Index3_Nss1,(MCS0)_1TX	8.35M	17.391M	17M4D1D	2.025M	17.166M
802.11ax HEW20_RU52_Index38_Nss1,(MCS0)_1TX	15.075M	17.441M	17M4D1D	14.975M	17.216M
802.11ax HEW20_RU106_Index53_Nss1,(MCS0)_1TX	17.15M	18.341M	18M3D1D	17.025M	17.966M
802.11ax HEW40_RU242_Index61_Nss1,(MCS0)_1TX	18.4M	19.14M	19M1D1D	12.55M	18.941M
802.11ax HEW20_RU26_Index3_Nss2,(MCS0)_2TX	2.075M	17.366M	17M4D1D	2.05M	17.066M
802.11ax HEW20_RU52_Index38_Nss2,(MCS0)_2TX	15.075M	17.266M	17M3D1D	12.55M	16.892M
802.11ax HEW20_RU106_Index53_Nss2,(MCS0)_2TX	18.35M	18.266M	18M3D1D	15.9M	17.841M
802.11ax HEW40_RU242_Index61_Nss2,(MCS0)_2TX	18.45M	19.24M	19M2D1D	17.3M	18.941M

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

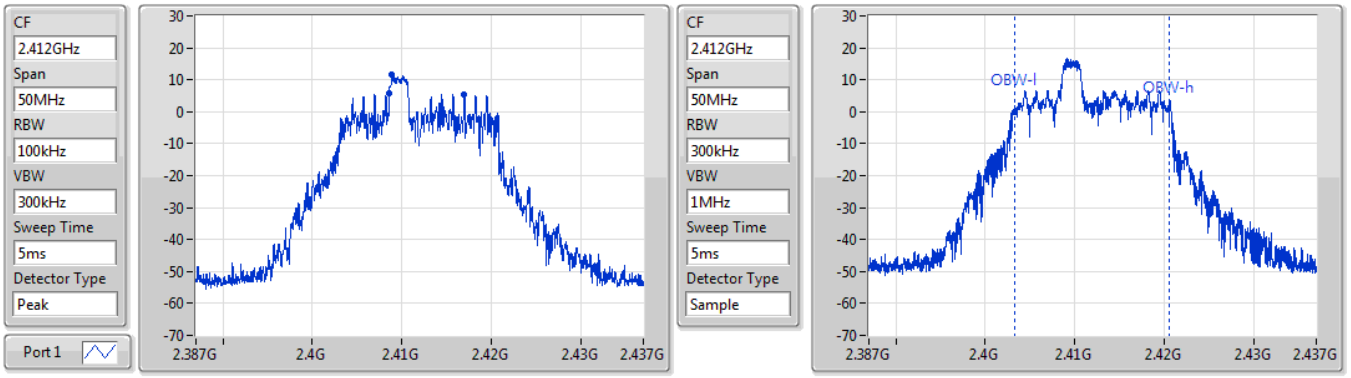
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20_RU26_Index3_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-
2412MHz	Pass	500k	8.35M	17.291M		
2437MHz	Pass	500k	2.075M	17.366M		
2462MHz	Pass	500k	2.05M	17.391M		
2467MHz	Pass	500k	2.025M	17.366M		
2472MHz	Pass	500k	2.05M	17.166M		
802.11ax HEW20_RU52_Index38_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-
2412MHz	Pass	500k	15.05M	17.391M		
2437MHz	Pass	500k	15.05M	17.341M		
2462MHz	Pass	500k	14.975M	17.441M		
2467MHz	Pass	500k	15.025M	17.441M		
2472MHz	Pass	500k	15.075M	17.216M		
802.11ax HEW20_RU106_Index53_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-
2412MHz	Pass	500k	17.075M	18.341M		
2437MHz	Pass	500k	17.125M	18.216M		
2462MHz	Pass	500k	17.1M	18.166M		
2467MHz	Pass	500k	17.15M	18.291M		
2472MHz	Pass	500k	17.025M	17.966M		
802.11ax HEW40_RU242_Index61_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-
2422MHz	Pass	500k	17.5M	19.14M		
2437MHz	Pass	500k	17M	19.09M		
2452MHz	Pass	500k	12.55M	19.14M		
2457MHz	Pass	500k	17.8M	19.04M		
2462MHz	Pass	500k	18.4M	18.941M		
802.11ax HEW20_RU26_Index3_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	2.075M	17.316M	2.05M	17.241M
2437MHz	Pass	500k	2.05M	17.366M	2.075M	17.166M
2462MHz	Pass	500k	2.075M	17.366M	2.05M	17.191M
2467MHz	Pass	500k	2.075M	17.316M	2.075M	17.191M
2472MHz	Pass	500k	2.05M	17.166M	2.075M	17.066M
802.11ax HEW20_RU52_Index38_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.075M	17.241M	12.55M	17.216M
2437MHz	Pass	500k	12.85M	17.216M	13.8M	17.166M
2462MHz	Pass	500k	15.025M	17.266M	15.075M	16.892M
2467MHz	Pass	500k	15M	17.216M	15M	17.166M
2472MHz	Pass	500k	15.05M	17.016M	15.05M	17.116M

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20_RU106_Index53_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.125M	17.841M	18.325M	18.166M
2437MHz	Pass	500k	17.075M	18.241M	15.9M	18.266M
2462MHz	Pass	500k	17.075M	18.191M	18.35M	18.216M
2467MHz	Pass	500k	17.05M	18.166M	18.35M	18.141M
2472MHz	Pass	500k	17M	17.966M	17.025M	17.916M
802.11ax HEW40_RU242_Index61_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	17.4M	19.24M	17.5M	19.24M
2437MHz	Pass	500k	18.3M	19.04M	18.15M	18.941M
2452MHz	Pass	500k	17.3M	18.991M	18.4M	18.991M
2457MHz	Pass	500k	17.55M	19.04M	18.25M	19.04M
2462MHz	Pass	500k	18.35M	18.991M	18.45M	18.991M

Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

802.11ax HEW20_RU26_Index3_Nss1,(MCS0)_1TX(Port1) EBW

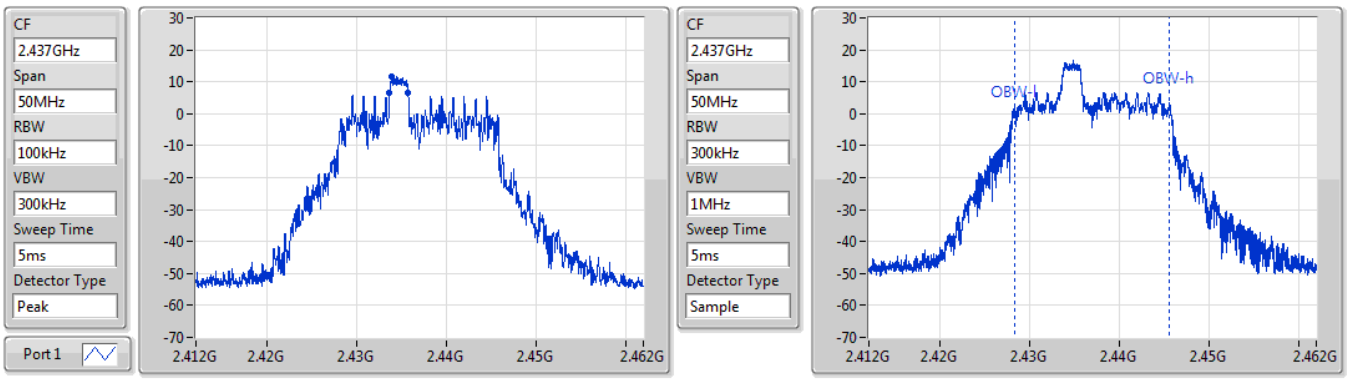
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.35M	2.408625G	2.416975G	17.291M	2.403279G	2.420571G	500k	1

802.11ax HEW20_RU26_Index3_Nss1,(MCS0)_1TX(Port1) EBW

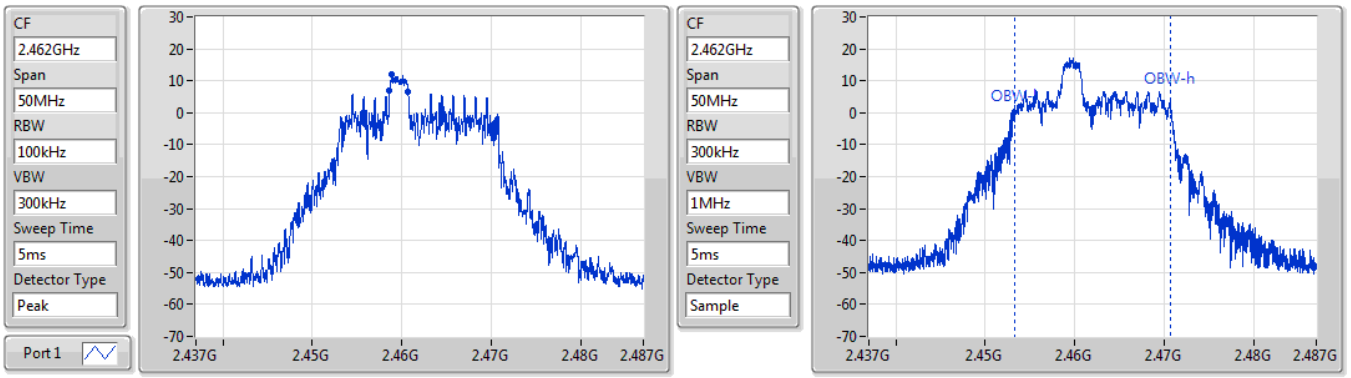
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
2.075M	2.43365G	2.435725G	17.366M	2.428254G	2.445621G	500k	1

802.11ax HEW20_RU26_Index3_Nss1,(MCS0)_1TX(Port1) EBW

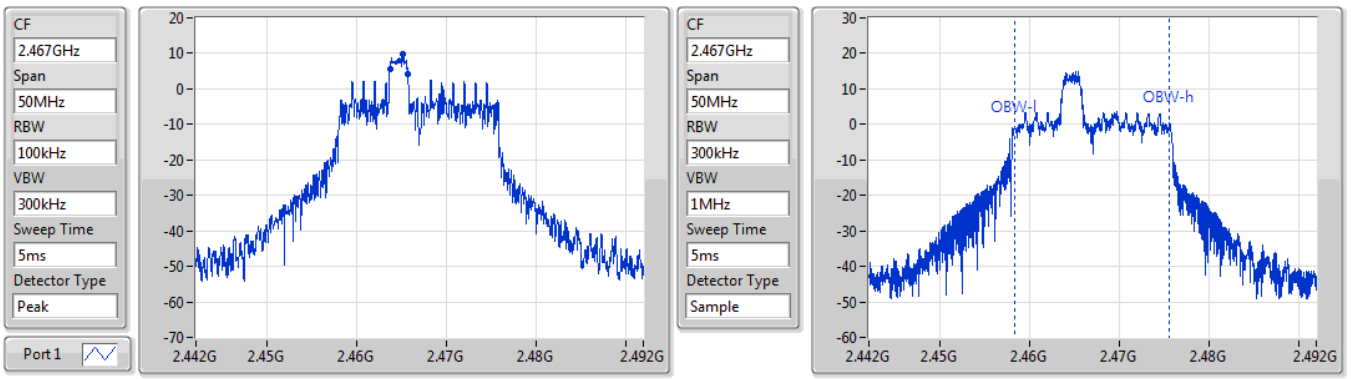
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
2.05M	2.45865G	2.4607G	17.391M	2.453254G	2.470646G	500k	1

802.11ax HEW20_RU26_Index3_Nss1,(MCS0)_1TX(Port1) EBW

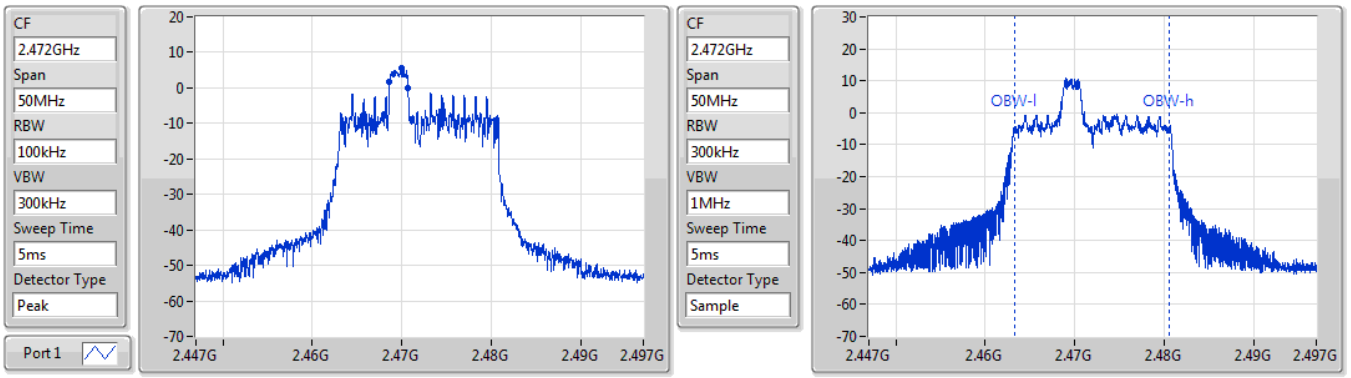
2467MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
2.025M	2.463675G	2.4657G	17.366M	2.458229G	2.475596G	500k	1

802.11ax HEW20_RU26_Index3_Nss1,(MCS0)_1TX(Port1) EBW

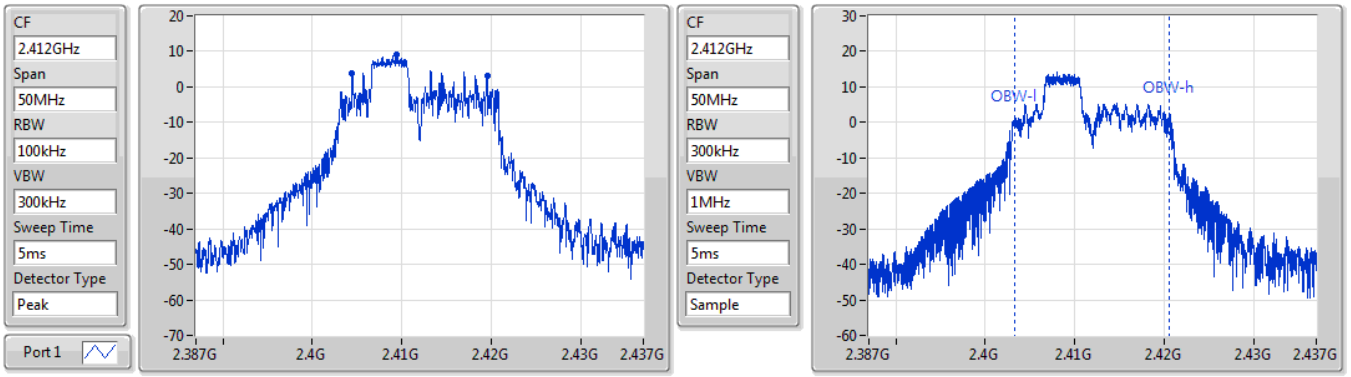
2472MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
2.05M	2.46865G	2.4707G	17.166M	2.463354G	2.480521G	500k	1

802.11ax HEW20_RU52_Index38_Nss1,(MCS0)_1TX(Port1) EBW

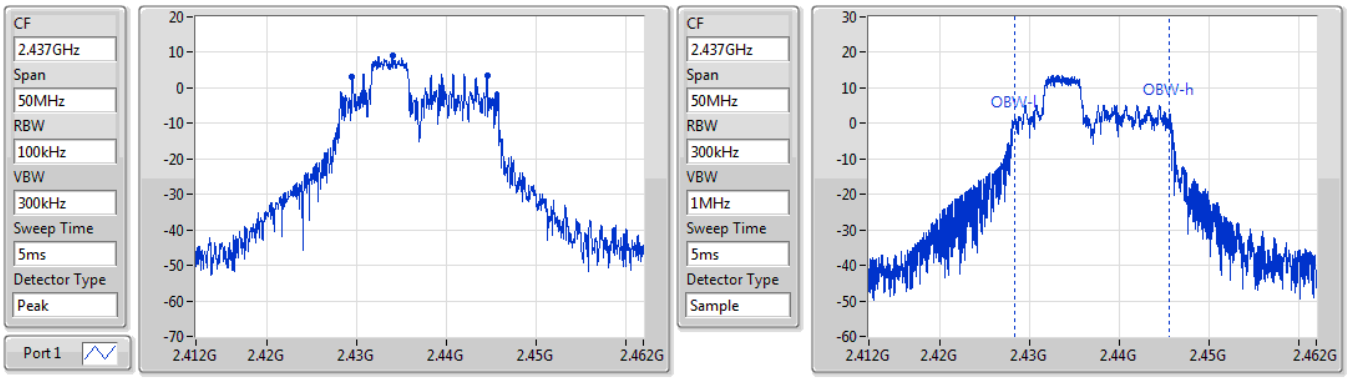
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.05M	2.404475G	2.419525G	17.391M	2.403229G	2.420621G	500k	1

802.11ax HEW20_RU52_Index38_Nss1,(MCS0)_1TX(Port1) EBW

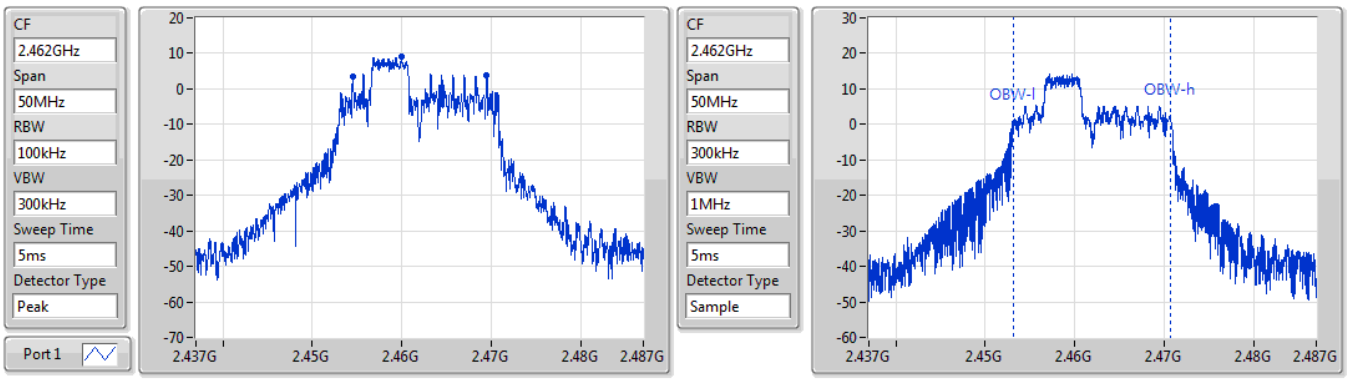
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.05M	2.429475G	2.444525G	17.341M	2.428229G	2.445571G	500k	1

802.11ax HEW20_RU52_Index38_Nss1,(MCS0)_1TX(Port1) EBW

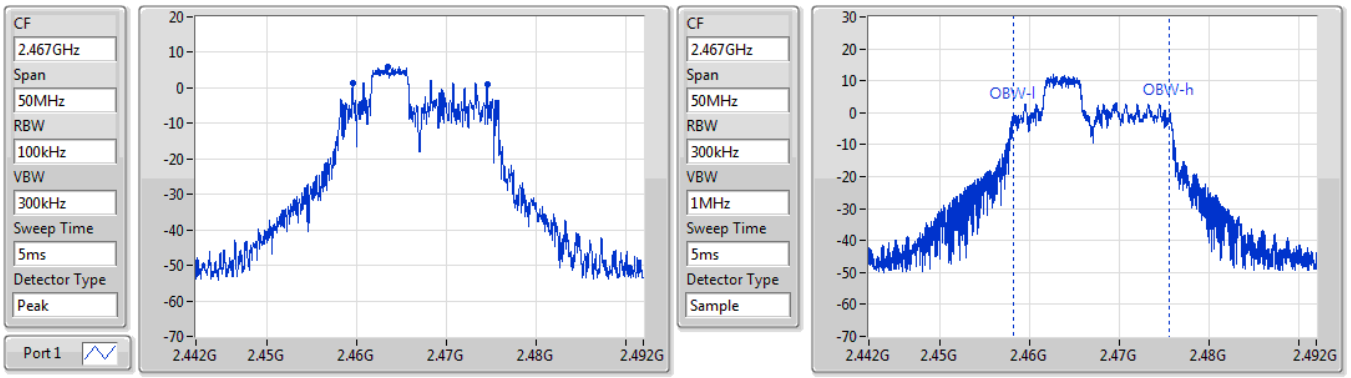
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.975M	2.454525G	2.4695G	17.441M	2.453204G	2.470646G	500k	1

802.11ax HEW20_RU52_Index38_Nss1,(MCS0)_1TX(Port1) EBW

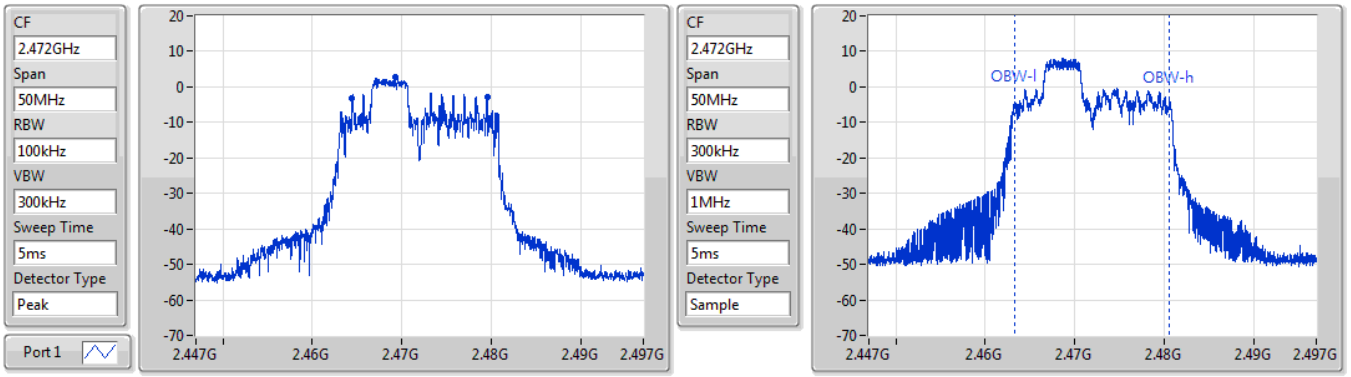
2467MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.025M	2.4595G	2.474525G	17.441M	2.458154G	2.475596G	500k	1

802.11ax HEW20_RU52_Index38_Nss1,(MCS0)_1TX(Port1) EBW

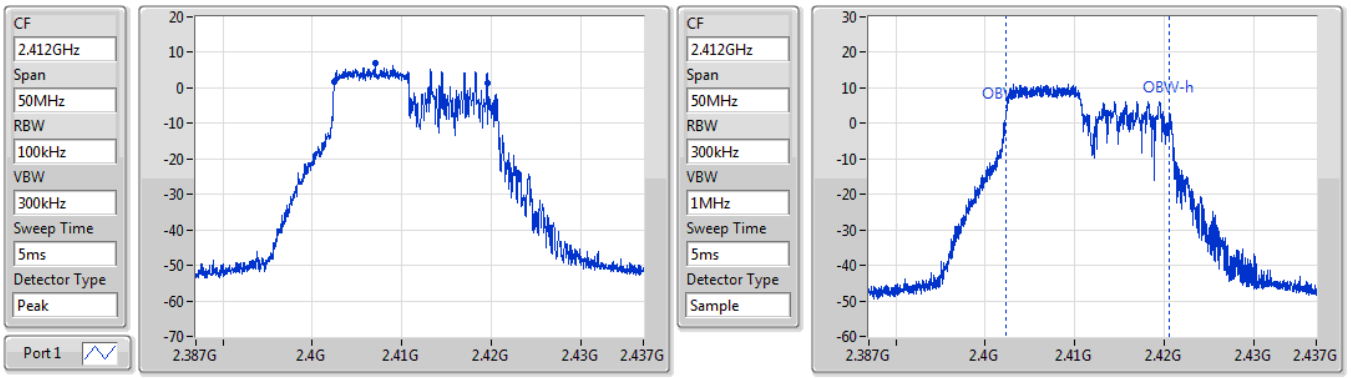
2472MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.075M	2.46445G	2.479525G	17.216M	2.463329G	2.480546G	500k	1

802.11ax HEW20_RU106_Index53_Nss1,(MCS0)_1TX(Port1) EBW

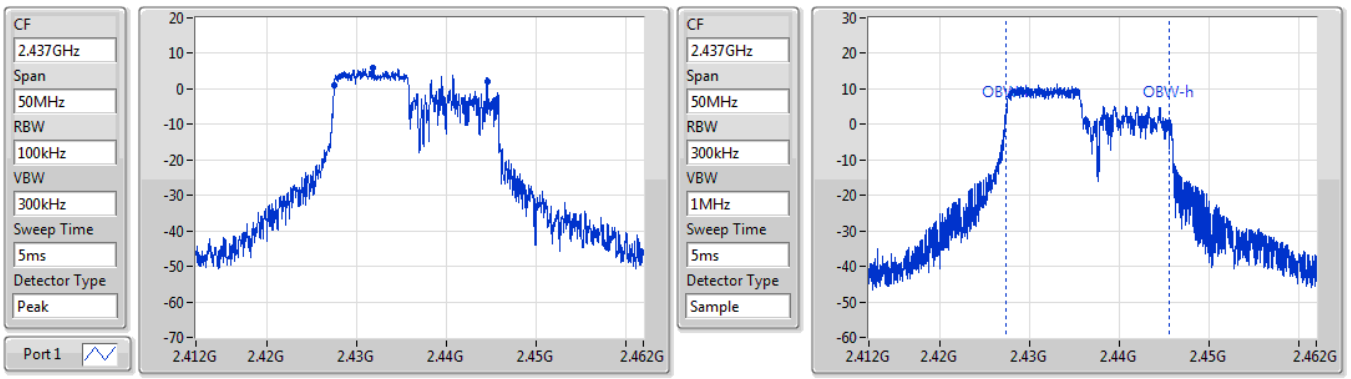
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.075M	2.4025G	2.419575G	18.341M	2.40228G	2.420621G	500k	1

802.11ax HEW20_RU106_Index53_Nss1,(MCS0)_1TX(Port1) EBW

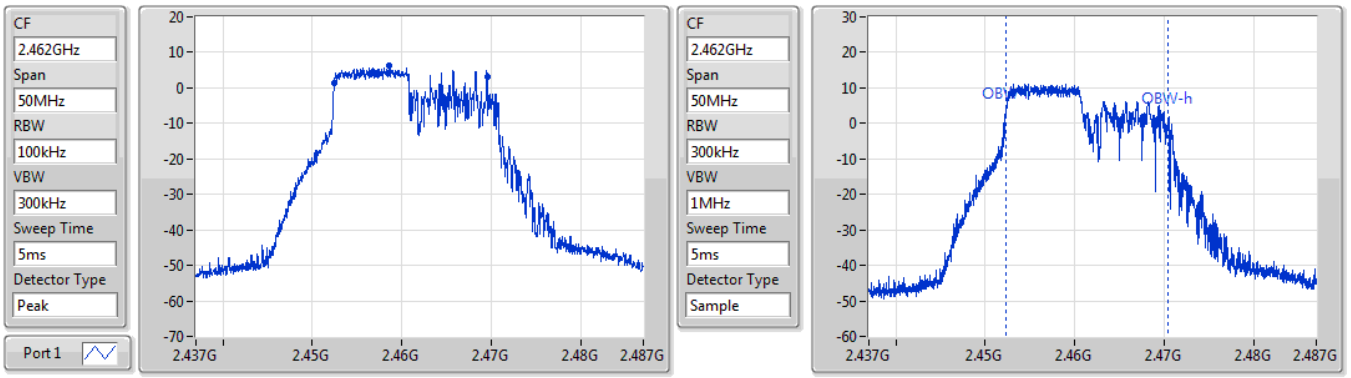
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.125M	2.427425G	2.44455G	18.216M	2.427305G	2.445521G	500k	1

802.11ax HEW20_RU106_Index53_Nss1,(MCS0)_1TX(Port1) EBW

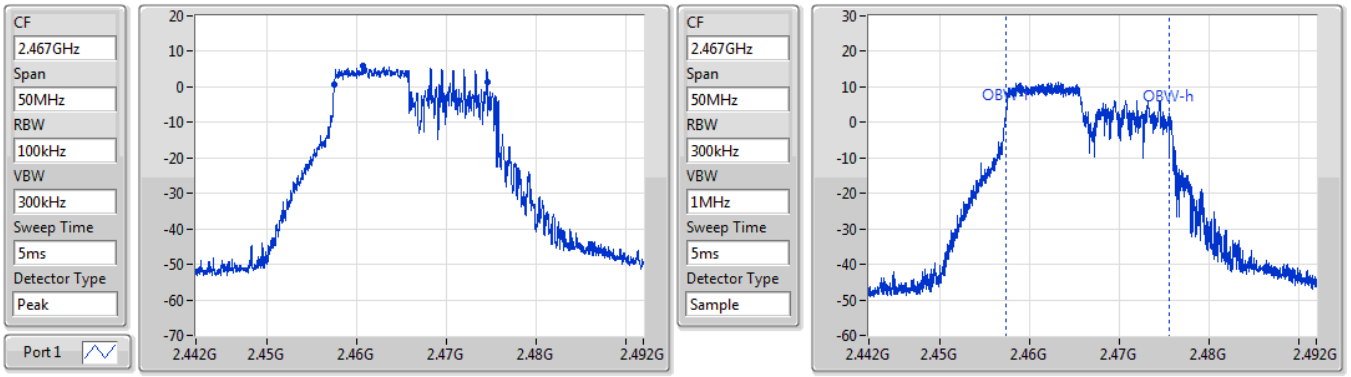
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.1M	2.45245G	2.46955G	18.166M	2.452255G	2.470421G	500k	1

802.11ax HEW20_RU106_Index53_Nss1,(MCS0)_1TX(Port1) EBW

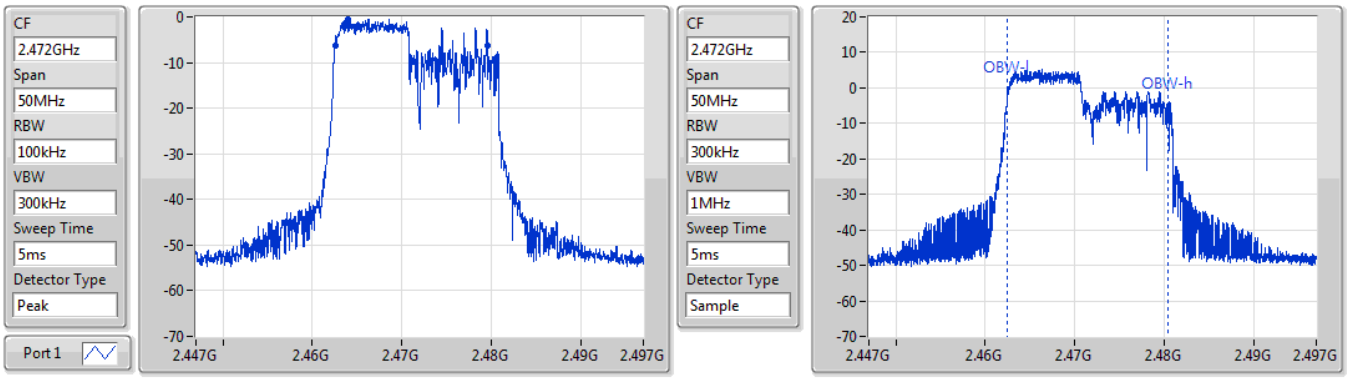
2467MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.15M	2.457425G	2.474575G	18.291M	2.45728G	2.475571G	500k	1

802.11ax HEW20_RU106_Index53_Nss1,(MCS0)_1TX(Port1) EBW

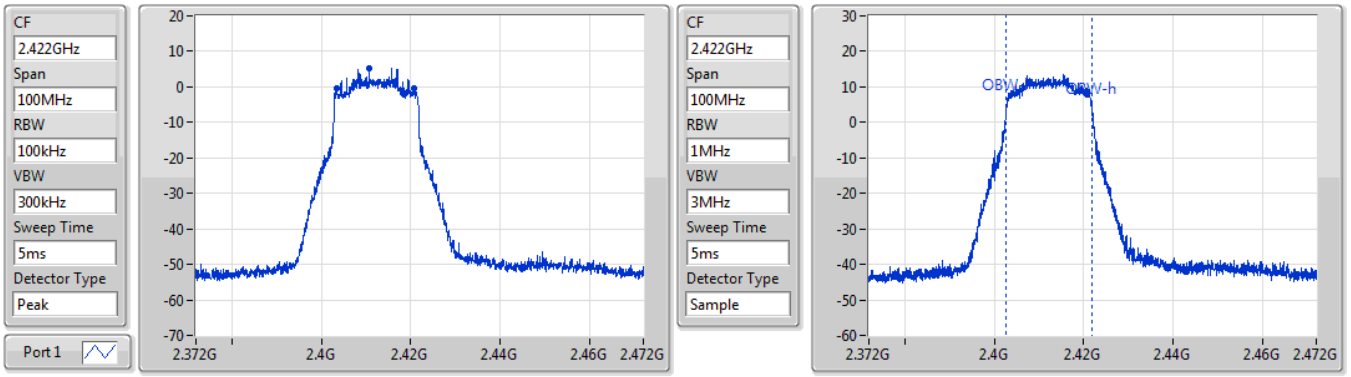
2472MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.025M	2.46255G	2.479575G	17.966M	2.46248G	2.480446G	500k	1

802.11ax HEW40_RU242_Index61_Nss1,(MCS0)_1TX(Port1) EBW

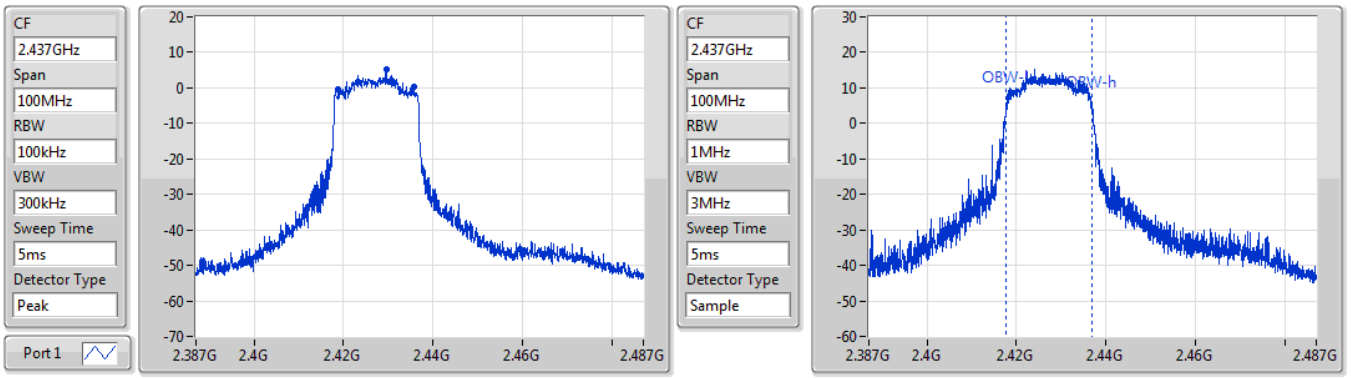
2422MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.5M	2.40335G	2.42085G	19.14M	2.40271G	2.42185G	500k	1

802.11ax HEW40_RU242_Index61_Nss1,(MCS0)_1TX(Port1) EBW

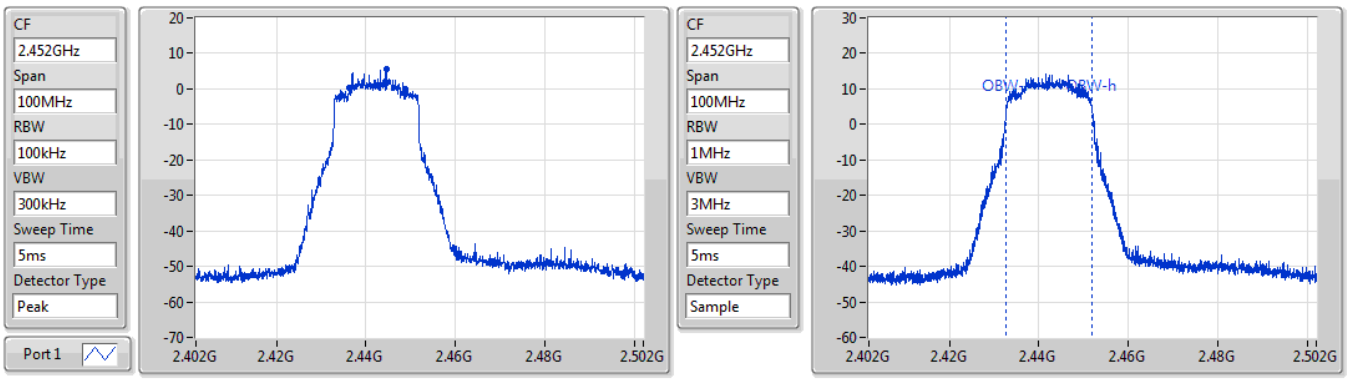
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17M	2.4187G	2.4357G	19.09M	2.41776G	2.43685G	500k	1

802.11ax HEW40_RU242_Index61_Nss1,(MCS0)_1TX(Port1) EBW

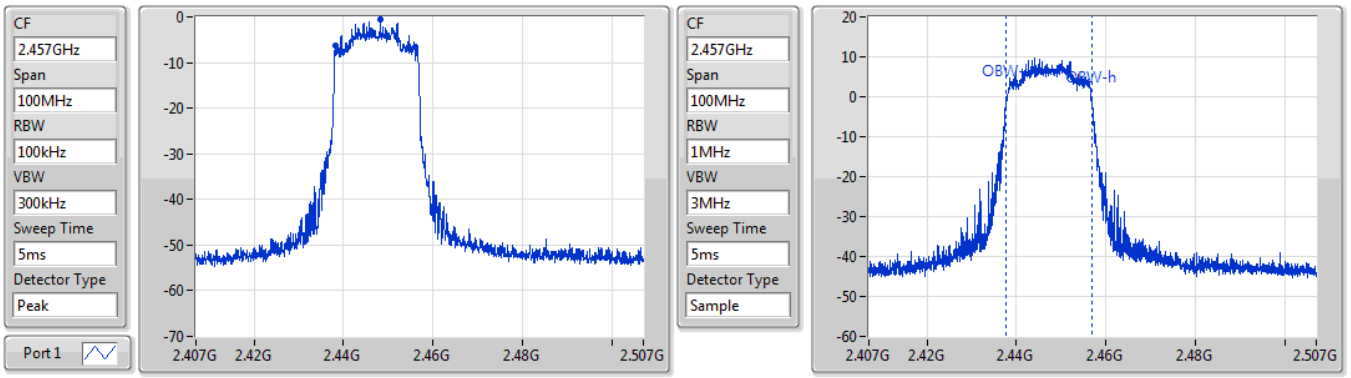
2452MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
12.55M	2.43615G	2.4487G	19.14M	2.43276G	2.4519G	500k	1

802.11ax HEW40_RU242_Index61_Nss1,(MCS0)_1TX(Port1) EBW

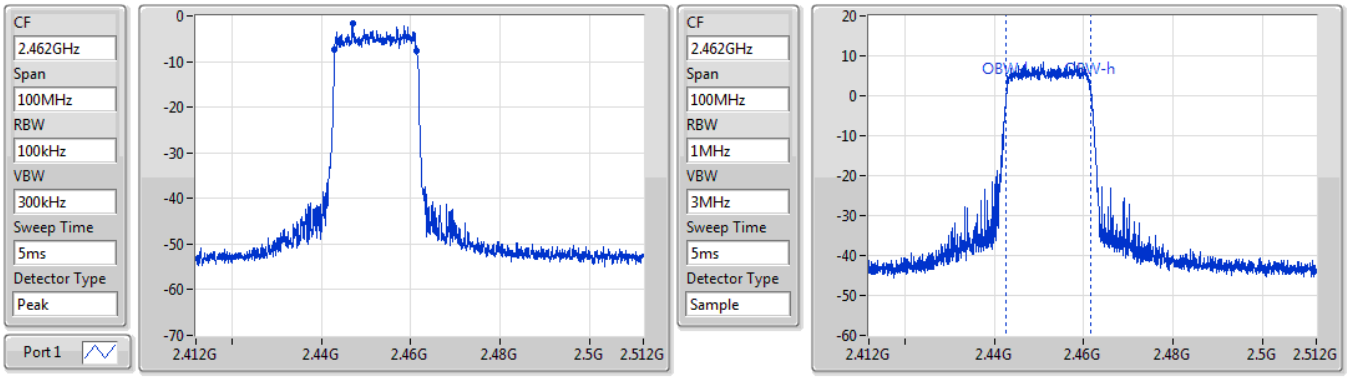
2457MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.8M	2.4381G	2.4559G	19.04M	2.43776G	2.4568G	500k	1

802.11ax HEW40_RU242_Index61_Nss1,(MCS0)_1TX(Port1) EBW

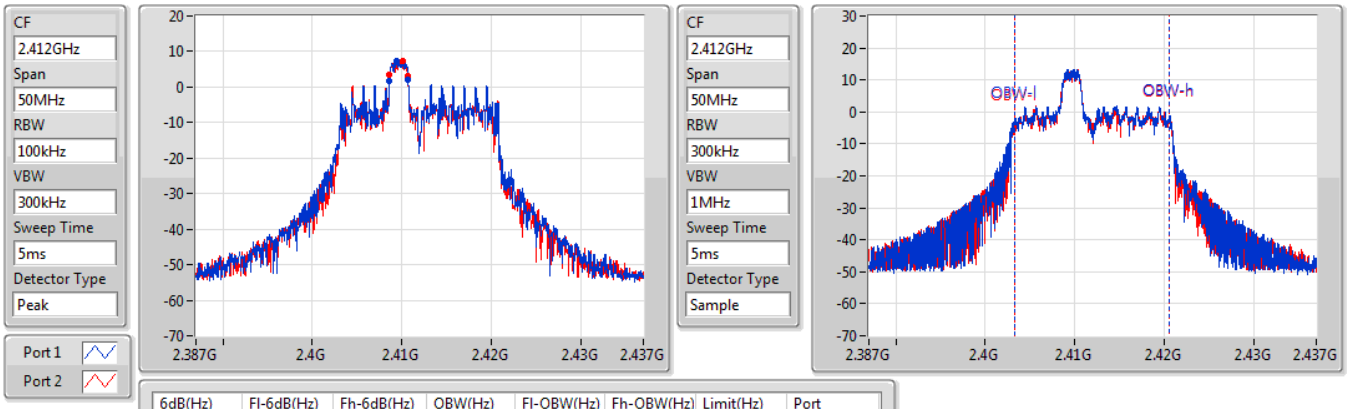
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.4M	2.44295G	2.46135G	18.941M	2.44276G	2.4617G	500k	1

802.11ax HEW20_RU26_Index3_Nss2,(MCS0)_2TX EBW

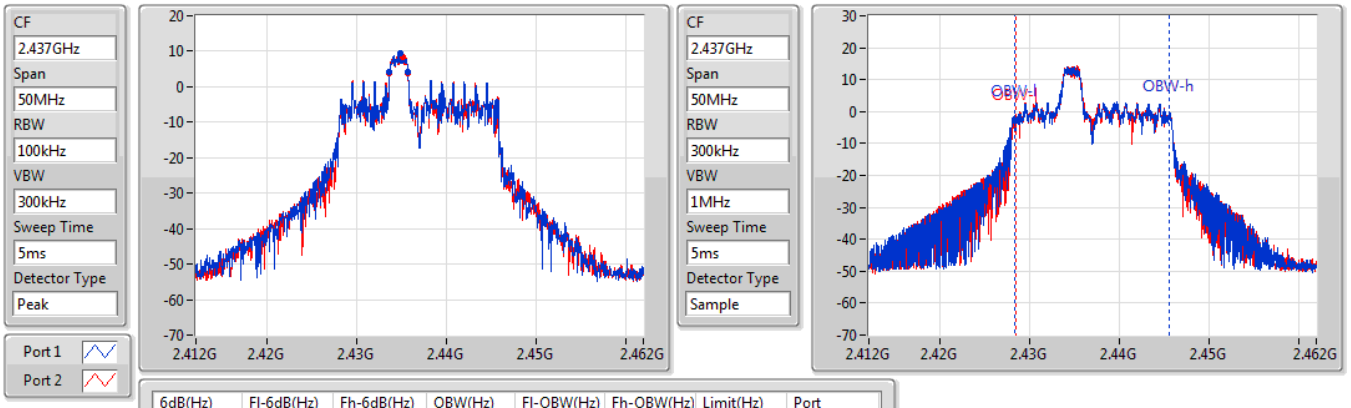
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
2.075M	2.40865G	2.410725G	17.316M	2.403279G	2.420596G	500k	1
2.05M	2.40865G	2.4107G	17.241M	2.403329G	2.420571G	500k	2

802.11ax HEW20_RU26_Index3_Nss2,(MCS0)_2TX EBW

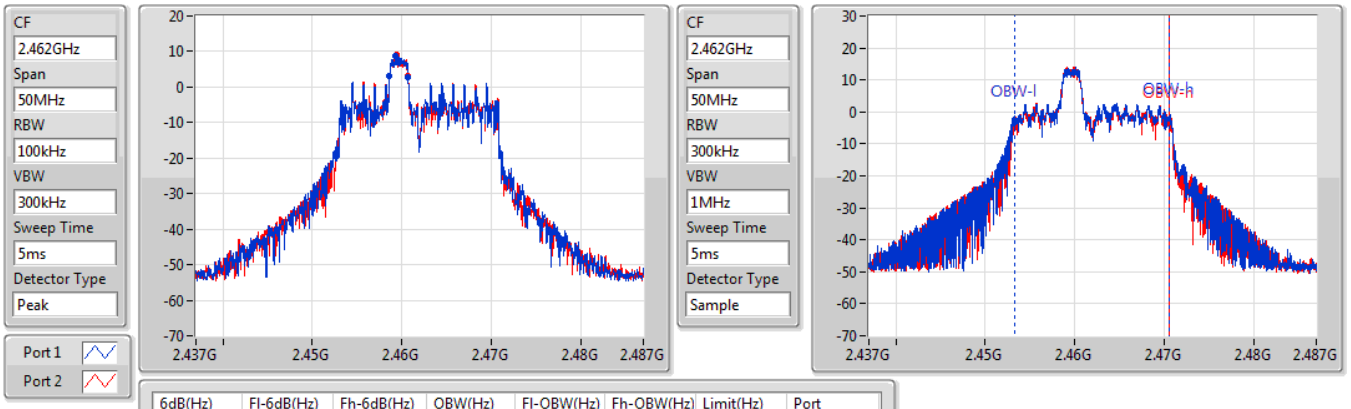
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
2.05M	2.43365G	2.4357G	17.366M	2.428229G	2.445596G	500k	1
2.075M	2.433625G	2.4357G	17.166M	2.428429G	2.445596G	500k	2

802.11ax HEW20_RU26_Index3_Nss2,(MCS0)_2TX EBW

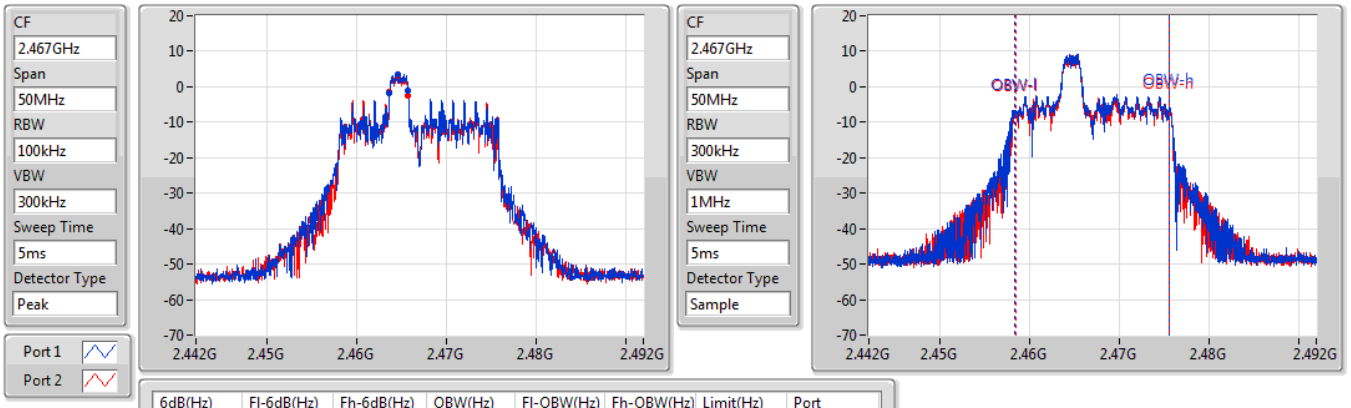
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
2.075M	2.458625G	2.4607G	17.366M	2.453229G	2.470596G	500k	1
2.05M	2.45865G	2.4607G	17.191M	2.453354G	2.470546G	500k	2

802.11ax HEW20_RU26_Index3_Nss2,(MCS0)_2TX EBW

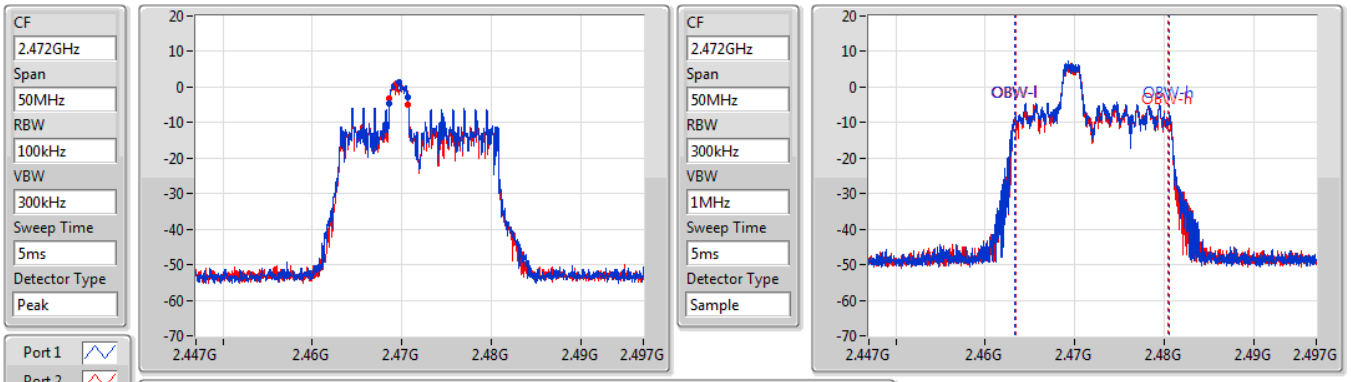
2467MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
2.075M	2.463625G	2.4657G	17.316M	2.458254G	2.475571G	500k	1
2.075M	2.46365G	2.465725G	17.191M	2.458379G	2.475571G	500k	2

802.11ax HEW20_RU26_Index3_Nss2,(MCS0)_2TX EBW

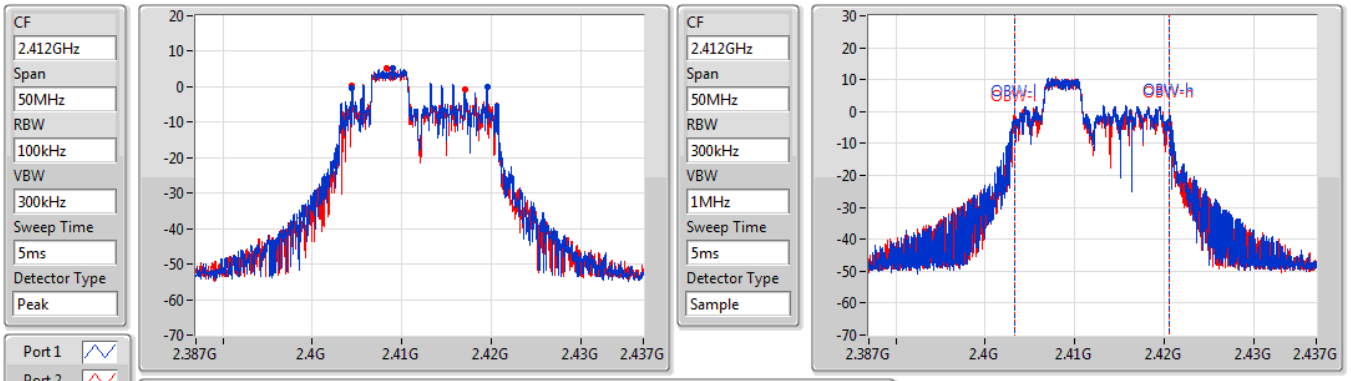
2472MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
2.05M	2.46865G	2.4707G	17.166M	2.463354G	2.480521G	500k	1
2.075M	2.46865G	2.470725G	17.066M	2.463429G	2.480496G	500k	2

802.11ax HEW20_RU52_Index38_Nss2,(MCS0)_2TX EBW

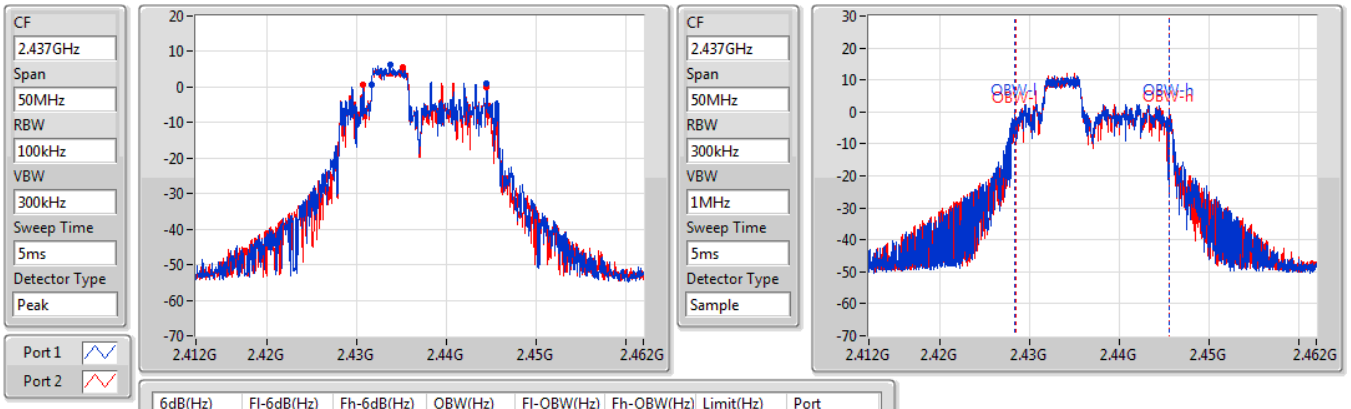
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.075M	2.40445G	2.419525G	17.241M	2.403329G	2.420571G	500k	1
12.55M	2.404475G	2.417025G	17.216M	2.403354G	2.420571G	500k	2

802.11ax HEW20_RU52_Index38_Nss2,(MCS0)_2TX EBW

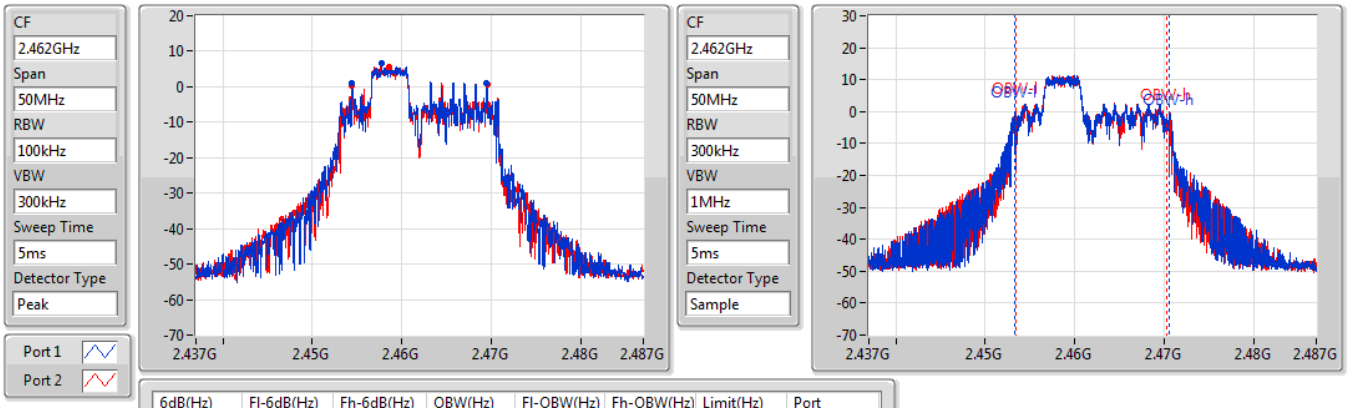
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
12.85M	2.43165G	2.4445G	17.216M	2.428329G	2.445546G	500k	1
13.8M	2.4307G	2.4445G	17.166M	2.428379G	2.445546G	500k	2

802.11ax HEW20_RU52_Index38_Nss2,(MCS0)_2TX EBW

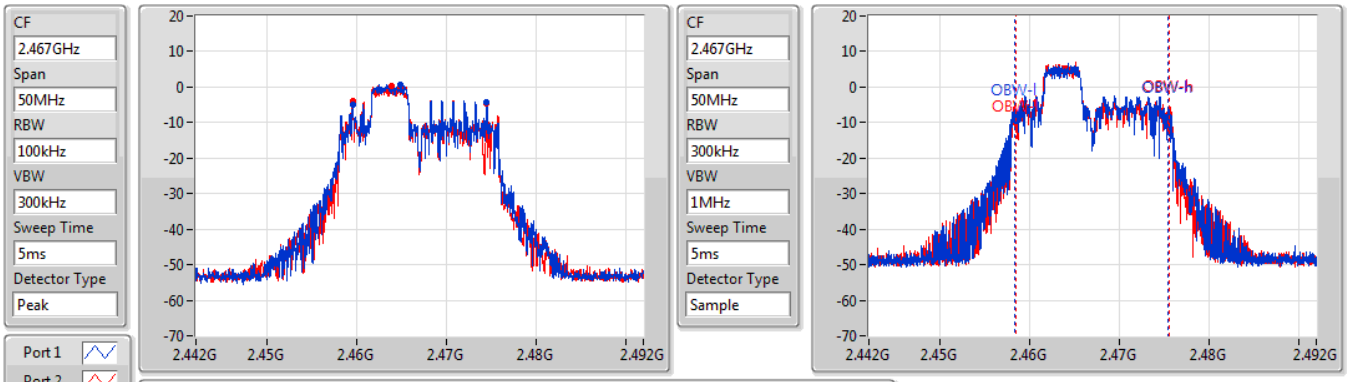
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.025M	2.454475G	2.4695G	17.266M	2.453279G	2.470546G	500k	1
15.075M	2.45445G	2.469525G	16.892M	2.453429G	2.470321G	500k	2

802.11ax HEW20_RU52_Index38_Nss2,(MCS0)_2TX EBW

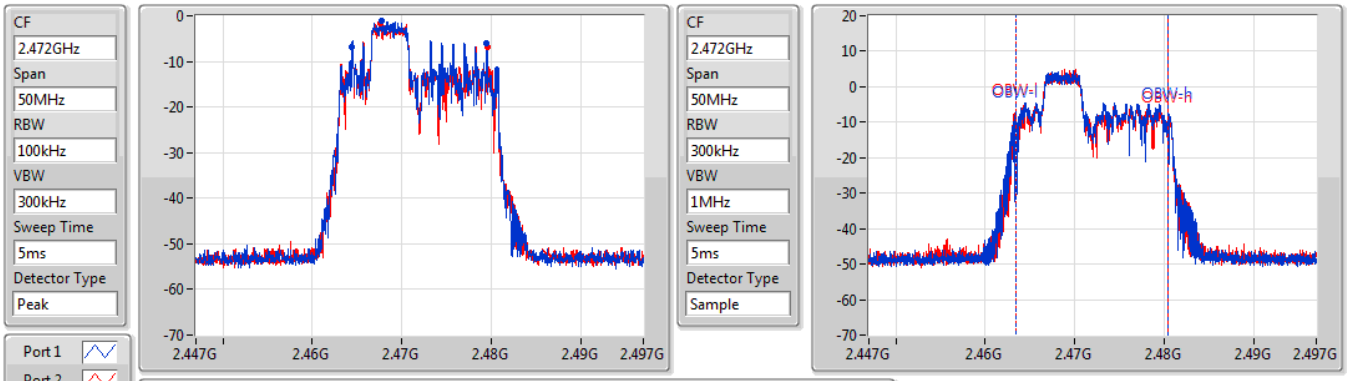
2467MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15M	2.4595G	2.4745G	17.216M	2.458279G	2.475496G	500k	1
15M	2.4595G	2.4745G	17.166M	2.458379G	2.475546G	500k	2

802.11ax HEW20_RU52_Index38_Nss2,(MCS0)_2TX EBW

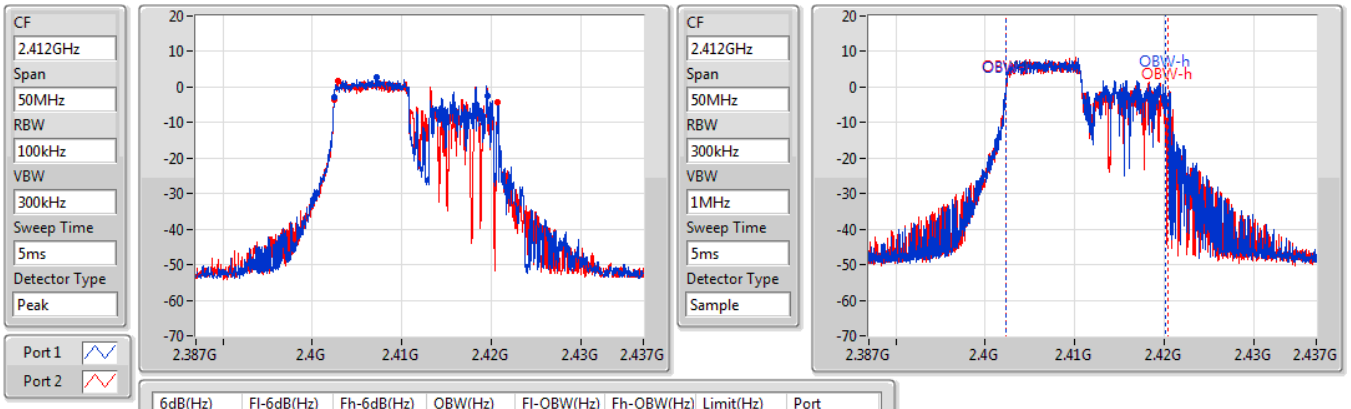
2472MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.05M	2.46445G	2.4795G	17.016M	2.463454G	2.480471G	500k	1
15.05M	2.464475G	2.479525G	17.116M	2.463379G	2.480496G	500k	2

802.11ax HEW20_RU106_Index53_Nss2,(MCS0)_2TX EBW

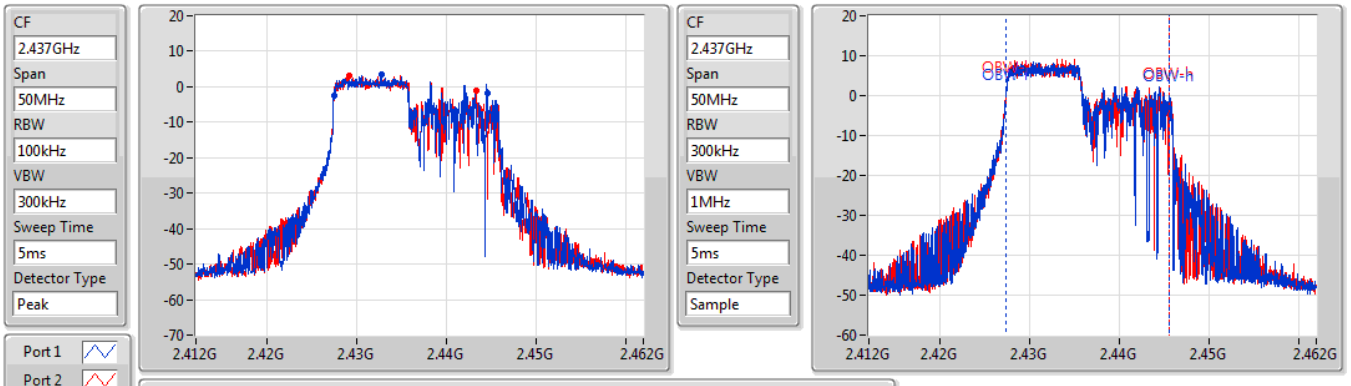
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.125M	2.40245G	2.419575G	17.841M	2.40233G	2.420171G	500k	1
18.325M	2.402425G	2.42075G	18.166M	2.40233G	2.420496G	500k	2

802.11ax HEW20_RU106_Index53_Nss2,(MCS0)_2TX EBW

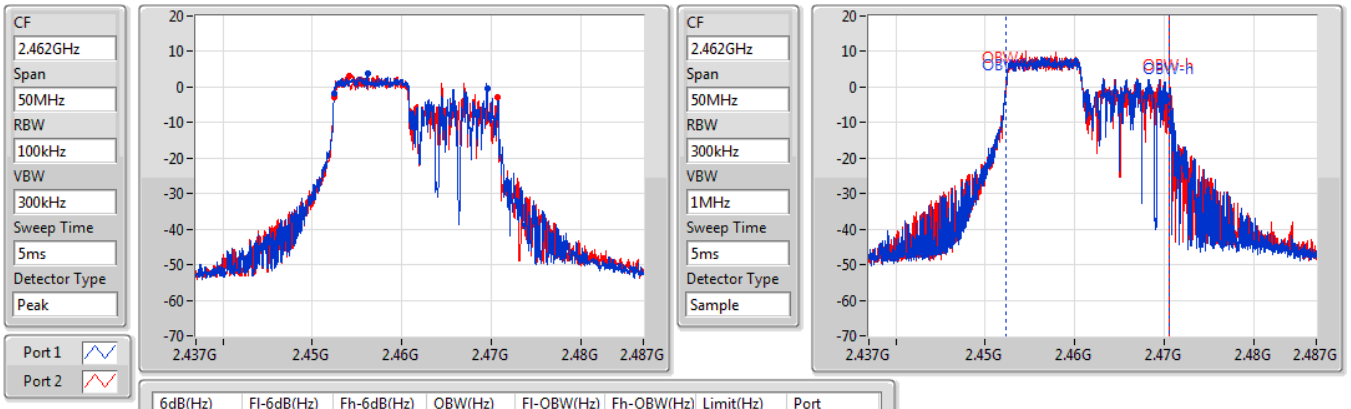
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.075M	2.42745G	2.444525G	18.241M	2.42733G	2.445571G	500k	1
15.9M	2.427425G	2.443325G	18.266M	2.42733G	2.445596G	500k	2

802.11ax HEW20_RU106_Index53_Nss2,(MCS0)_2TX EBW

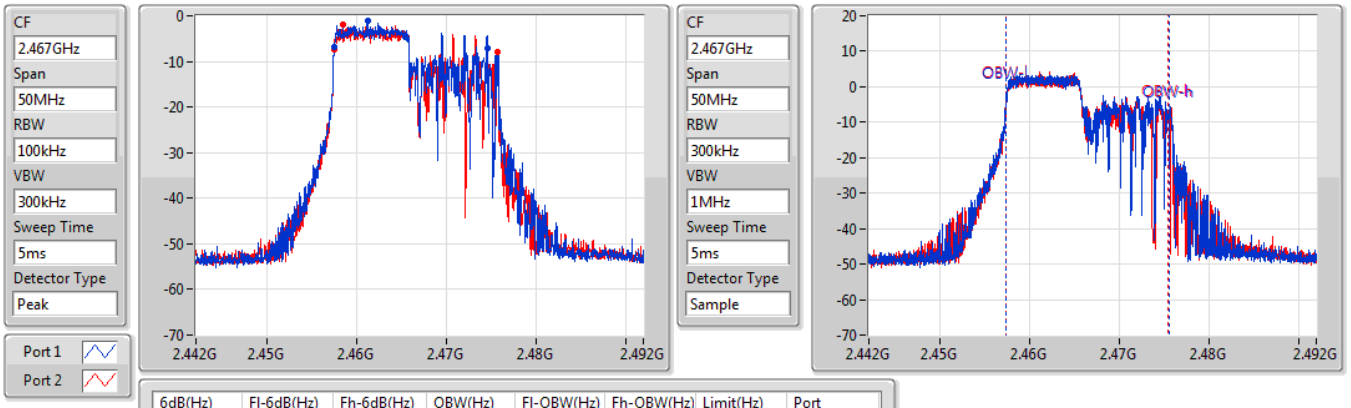
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.075M	2.45245G	2.469525G	18.191M	2.45233G	2.470521G	500k	1
18.35M	2.4524G	2.47075G	18.216M	2.45233G	2.470546G	500k	2

802.11ax HEW20_RU106_Index53_Nss2,(MCS0)_2TX EBW

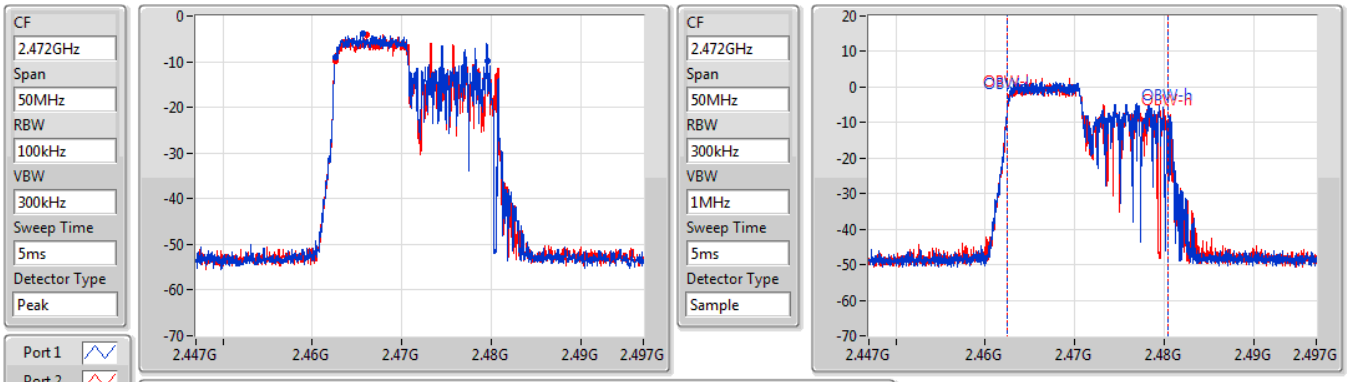
2467MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.05M	2.457525G	2.474575G	18.166M	2.457355G	2.475521G	500k	1
18.35M	2.4574G	2.47575G	18.141M	2.45733G	2.475471G	500k	2

802.11ax HEW20_RU106_Index53_Nss2,(MCS0)_2TX EBW

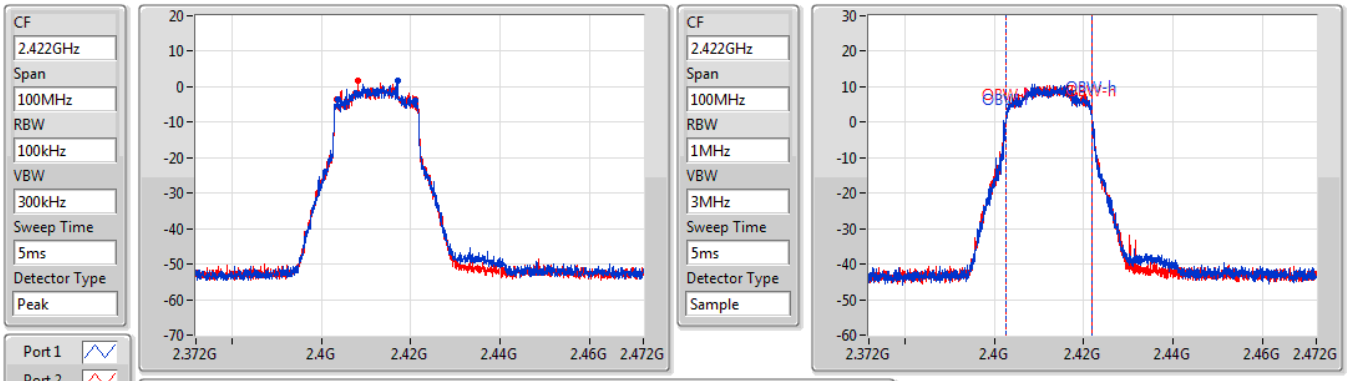
2472MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17M	2.46255G	2.47955G	17.966M	2.46248G	2.480446G	500k	1
17.025M	2.46255G	2.479575G	17.916M	2.46248G	2.480396G	500k	2

802.11ax HEW40_RU242_Index61_Nss2,(MCS0)_2TX EBW

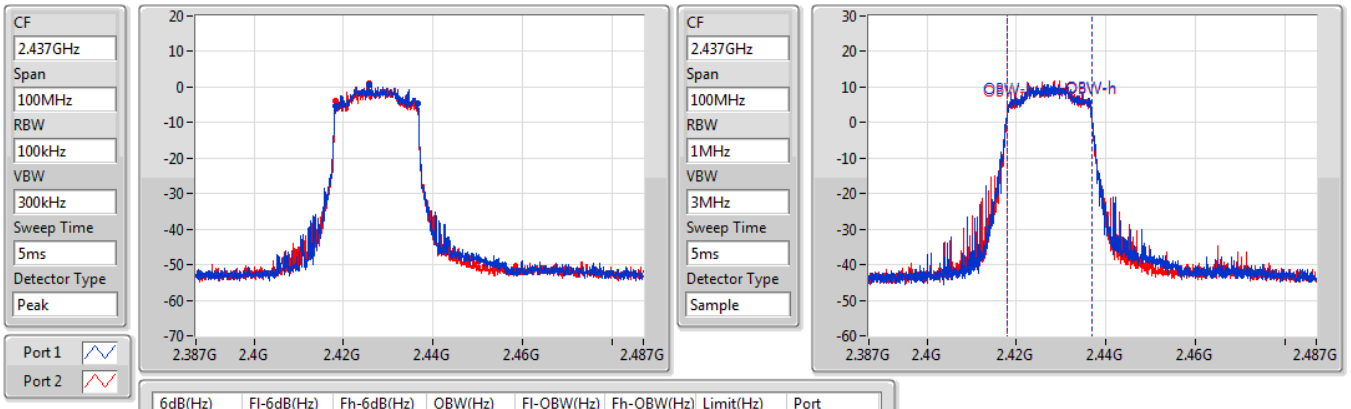
2422MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.4M	2.40365G	2.42105G	19.24M	2.40266G	2.4219G	500k	1
17.5M	2.4035G	2.421G	19.24M	2.40266G	2.4219G	500k	2

802.11ax HEW40_RU242_Index61_Nss2,(MCS0)_2TX EBW

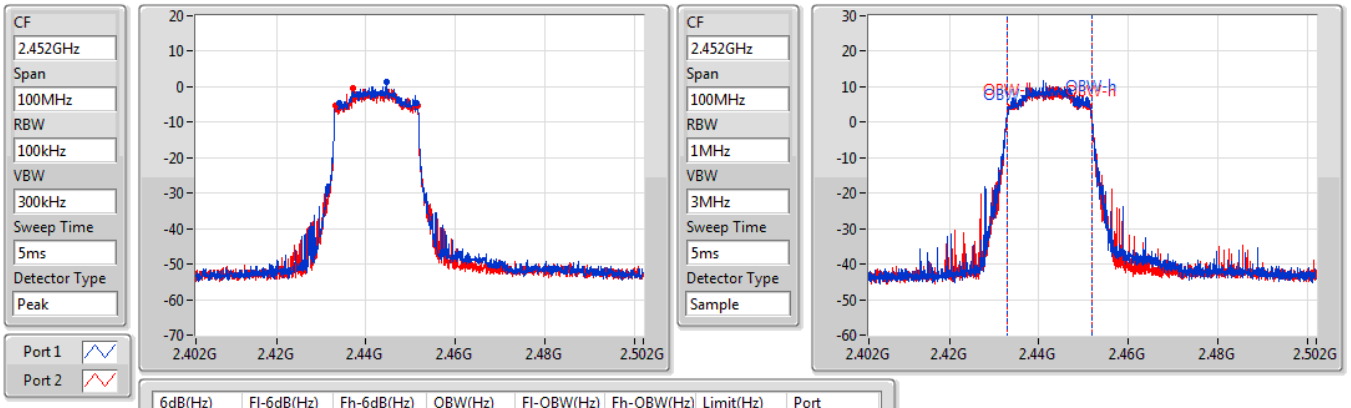
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.3M	2.41815G	2.43645G	19.04M	2.41781G	2.43685G	500k	1
18.15M	2.4182G	2.43635G	18.941M	2.41786G	2.4368G	500k	2

802.11ax HEW40_RU242_Index61_Nss2,(MCS0)_2TX EBW

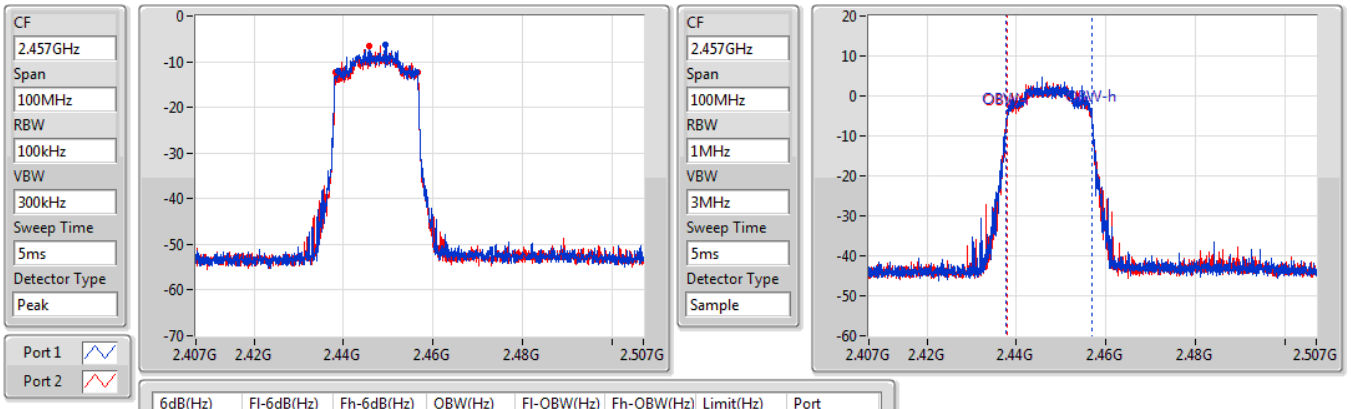
2452MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.3M	2.434G	2.4513G	18.991M	2.43281G	2.4518G	500k	1
18.4M	2.4332G	2.4516G	18.991M	2.43281G	2.4518G	500k	2

802.11ax HEW40_RU242_Index61_Nss2,(MCS0)_2TX EBW

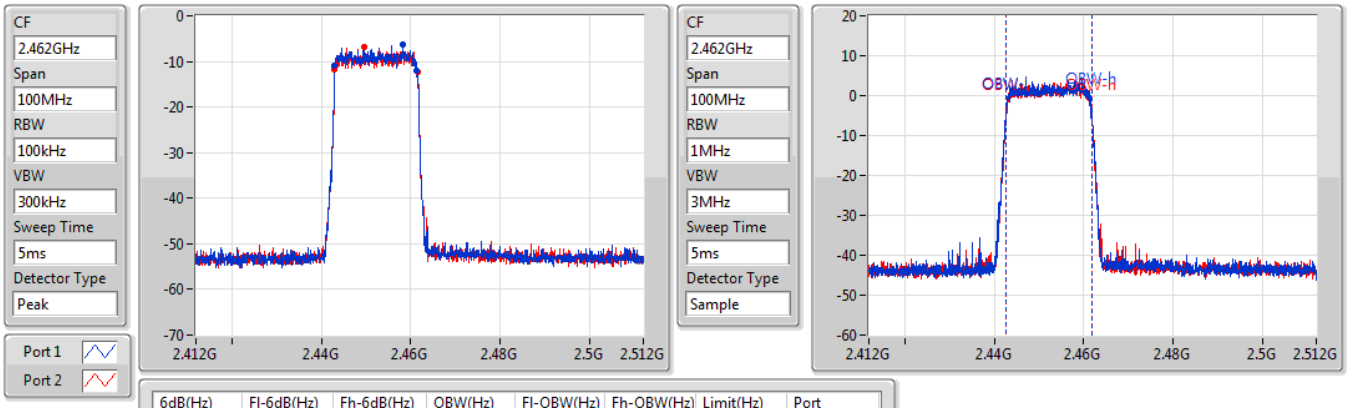
2457MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.4388G	2.45635G	19.04M	2.43776G	2.4568G	500k	1
18.25M	2.4382G	2.45645G	19.04M	2.43781G	2.45685G	500k	2

802.11ax HEW40_RU242_Index61_Nss2,(MCS0)_2TX EBW

2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.35M	2.443G	2.46135G	18.991M	2.44276G	2.46175G	500k	1
18.45M	2.443G	2.46145G	18.991M	2.44276G	2.46175G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX_Port 1	18.25	0.06683
802.11g_Nss1,(6Mbps)_1TX_Port 1	20.66	0.11641
802.11ax HEW20_Nss1,(MCS0)_1TX_FULL_RU_Port 1	20.85	0.12162
802.11ax HEW40_Nss1,(MCS0)_1TX_FULL_RU_Port 1	22.03	0.15959
802.11b_Nss1,(1Mbps)_1TX_Port 2	18.40	0.06918
802.11g_Nss1,(6Mbps)_1TX_Port 2	20.71	0.11776
802.11ax HEW20_Nss1,(MCS0)_1TX_FULL_RU_Port 2	20.93	0.12388
802.11ax HEW40_Nss1,(MCS0)_1TX_FULL_RU_Port 2	21.68	0.14723
802.11ax HEW20_Nss2,(MCS0)_2TX_FULL_RU_Port 1+2	21.13	0.12972
802.11ax HEW40_Nss2,(MCS0)_2TX_FULL_RU_Port 1+2	20.88	0.12246

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)_1TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.55	18.13	-	18.13	30.00	20.68	36.00
2437MHz	Pass	2.55	18.25	-	18.25	30.00	20.80	36.00
2462MHz	Pass	2.55	18.21	-	18.21	30.00	20.76	36.00
2467MHz	Pass	2.55	18.23	-	18.23	30.00	20.78	36.00
2472MHz	Pass	2.55	18.15	-	18.15	30.00	20.70	36.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.55	20.64	-	20.64	30.00	23.19	36.00
2437MHz	Pass	2.55	20.53	-	20.53	30.00	23.08	36.00
2462MHz	Pass	2.55	20.66	-	20.66	30.00	23.21	36.00
2467MHz	Pass	2.55	18.97	-	18.97	30.00	21.52	36.00
2472MHz	Pass	2.55	16.56	-	16.56	30.00	19.11	36.00
802.11ax HEW20_Nss1,(MCS0)_1TX_FULL_RU	-	-	-	-	-	-	-	-
2412MHz	Pass	2.55	20.85	-	20.85	30.00	23.40	36.00
2437MHz	Pass	2.55	20.81	-	20.81	30.00	23.36	36.00
2462MHz	Pass	2.55	20.77	-	20.77	30.00	23.32	36.00
2467MHz	Pass	2.55	18.27	-	18.27	30.00	20.82	36.00
2472MHz	Pass	2.55	15.95	-	15.95	30.00	18.50	36.00
802.11ax HEW40_Nss1,(MCS0)_1TX_FULL_RU	-	-	-	-	-	-	-	-
2422MHz	Pass	2.55	21.12	-	21.12	30.00	23.67	36.00
2437MHz	Pass	2.55	22.03	-	22.03	30.00	24.58	36.00
2452MHz	Pass	2.55	21.14	-	21.14	30.00	23.69	36.00
2457MHz	Pass	2.55	15.86	-	15.86	30.00	18.41	36.00
2462MHz	Pass	2.55	15.71	-	15.71	30.00	18.26	36.00
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.68	-	18.32	18.32	30.00	21.00	36.00
2437MHz	Pass	2.68	-	18.35	18.35	30.00	21.03	36.00
2462MHz	Pass	2.68	-	18.38	18.38	30.00	21.06	36.00
2467MHz	Pass	2.68	-	18.4	18.40	30.00	21.08	36.00
2472MHz	Pass	2.68	-	18.34	18.34	30.00	21.02	36.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.68	-	20.71	20.71	30.00	23.39	36.00
2437MHz	Pass	2.68	-	20.66	20.66	30.00	23.34	36.00
2462MHz	Pass	2.68	-	20.68	20.68	30.00	23.36	36.00
2467MHz	Pass	2.68	-	19.08	19.08	30.00	21.76	36.00
2472MHz	Pass	2.68	-	15.51	15.51	30.00	18.19	36.00
802.11ax HEW20_Nss1,(MCS0)_1TX_FULL_RU	-	-	-	-	-	-	-	-
2412MHz	Pass	2.68	-	20.91	20.91	30.00	23.59	36.00

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
2437MHz	Pass	2.68	-	20.93	20.93	30.00	23.61	36.00
2462MHz	Pass	2.68	-	20.86	20.86	30.00	23.54	36.00
2467MHz	Pass	2.68	-	18.36	18.36	30.00	21.04	36.00
2472MHz	Pass	2.68	-	15.12	15.12	30.00	17.80	36.00
802.11ax HEW40_Nss1,(MCS0)_1TX_FULL_RU	-	-	-	-	-	-	-	-
2422MHz	Pass	2.68	-	21.21	21.21	30.00	23.89	36.00
2437MHz	Pass	2.68	-	21.68	21.68	30.00	24.36	36.00
2452MHz	Pass	2.68	-	21.38	21.38	30.00	24.06	36.00
2457MHz	Pass	2.68	-	16.45	16.45	30.00	19.13	36.00
2462MHz	Pass	2.68	-	16.31	16.31	30.00	18.99	36.00
802.11ax HEW20_Nss2,(MCS0)_2TX_FULL_RU	-	-	-	-	-	-	-	-
2412MHz	Pass	2.62	17.15	17.03	20.10	30.00	22.72	36.00
2437MHz	Pass	2.62	18.21	18.03	21.13	30.00	23.75	36.00
2462MHz	Pass	2.62	18.16	17.86	21.02	30.00	23.64	36.00
2467MHz	Pass	2.62	13.05	12.92	16.00	30.00	18.62	36.00
2472MHz	Pass	2.62	11.43	11.53	14.49	30.00	17.11	36.00
802.11ax HEW40_Nss2,(MCS0)_2TX_FULL_RU	-	-	-	-	-	-	-	-
2422MHz	Pass	2.62	17.31	17.36	20.35	30.00	22.97	36.00
2437MHz	Pass	2.62	18.03	17.71	20.88	30.00	23.50	36.00
2452MHz	Pass	2.62	17.41	17.45	20.44	30.00	23.06	36.00
2457MHz	Pass	2.62	10.15	10.33	13.25	30.00	15.87	36.00
2462MHz	Pass	2.62	11.11	11.38	14.26	30.00	16.88	36.00

DG = Directional Gain
For 2TX
Directional Gain =10 log [($10^{2.55/10}$ + $10^{2.68/10}$)/2] = 2.62 dBi
Port X = Port X output power

11ax Partial RU mode

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20_RU26_Index3_Nss1,(MCS0)_1TX_Port 1	20.53	0.11298
802.11ax HEW20_RU52_Index38_Nss1,(MCS0)_1TX_Port 1	20.39	0.10940
802.11ax HEW20_RU106_Index53_Nss1,(MCS0)_1TX_Port 1	20.31	0.10740
802.11ax HEW40_RU242_Index61_Nss1,(MCS0)_1TX_Port 1	20.66	0.11641
802.11ax HEW20_RU26_Index3_Nss1,(MCS0)_1TX_Port 2	20.41	0.10990
802.11ax HEW20_RU52_Index38_Nss1,(MCS0)_1TX_Port 2	20.23	0.10544
802.11ax HEW20_RU106_Index53_Nss1,(MCS0)_1TX_Port 2	20.26	0.10617
802.11ax HEW40_RU242_Index61_Nss1,(MCS0)_1TX_Port 2	20.41	0.10990
802.11ax HEW20_RU26_Index3_Nss2,(MCS0)_2TX_Port 1+2	20.48	0.11169
802.11ax HEW20_RU52_Index38_Nss2,(MCS0)_2TX_Port 1+2	20.48	0.11169
802.11ax HEW20_RU106_Index53_Nss2,(MCS0)_2TX_Port 1+2	20.43	0.11041
802.11ax HEW40_RU242_Index61_Nss2,(MCS0)_2TX_Port 1+2	19.82	0.09594

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20_RU26_Index3_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-	-	-
2412MHz	Pass	2.55	20.41	-	20.41	30.00	22.96	36.00
2437MHz	Pass	2.55	20.53	-	20.53	30.00	23.08	36.00
2462MHz	Pass	2.55	20.43	-	20.43	30.00	22.98	36.00
2467MHz	Pass	2.55	18.22	-	18.22	30.00	20.77	36.00
2472MHz	Pass	2.55	14.65	-	14.65	30.00	17.20	36.00
802.11ax HEW20_RU52_Index38_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-	-	-
2412MHz	Pass	2.55	20.37	-	20.37	30.00	22.92	36.00
2437MHz	Pass	2.55	20.31	-	20.31	30.00	22.86	36.00
2462MHz	Pass	2.55	20.39	-	20.39	30.00	22.94	36.00
2467MHz	Pass	2.55	18.31	-	18.31	30.00	20.86	36.00
2472MHz	Pass	2.55	14.71	-	14.71	30.00	17.26	36.00
802.11ax HEW20_RU106_Index53_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-	-	-
2412MHz	Pass	2.55	20.22	-	20.22	30.00	22.77	36.00
2437MHz	Pass	2.55	20.25	-	20.25	30.00	22.80	36.00
2462MHz	Pass	2.55	20.31	-	20.31	30.00	22.86	36.00
2467MHz	Pass	2.55	18.25	-	18.25	30.00	20.80	36.00
2472MHz	Pass	2.55	14.68	-	14.68	30.00	17.23	36.00
802.11ax HEW40_RU242_Index61_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-	-	-
2422MHz	Pass	2.55	20.43	-	20.43	30.00	22.98	36.00
2437MHz	Pass	2.55	20.66	-	20.66	30.00	23.21	36.00
2452MHz	Pass	2.55	20.32	-	20.32	30.00	22.87	36.00
2457MHz	Pass	2.55	15.12	-	15.12	30.00	17.67	36.00
2462MHz	Pass	2.55	15.24	-	15.24	30.00	17.79	36.00
802.11ax HEW20_RU26_Index3_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
2412MHz	Pass	2.68	-	20.26	20.26	30.00	22.94	36.00
2437MHz	Pass	2.68	-	20.41	20.41	30.00	23.09	36.00
2462MHz	Pass	2.68	-	20.35	20.35	30.00	23.03	36.00
2467MHz	Pass	2.68	-	18.16	18.16	30.00	20.84	36.00
2472MHz	Pass	2.68	-	14.35	14.35	30.00	17.03	36.00
802.11ax HEW20_RU52_Index38_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
2412MHz	Pass	2.68	-	20.22	20.22	30.00	22.90	36.00
2437MHz	Pass	2.68	-	20.16	20.16	30.00	22.84	36.00
2462MHz	Pass	2.68	-	20.23	20.23	30.00	22.91	36.00
2467MHz	Pass	2.68	-	18.12	18.12	30.00	20.80	36.00
2472MHz	Pass	2.68	-	14.41	14.41	30.00	17.09	36.00

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20_RU106_Index53_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
2412MHz	Pass	2.68	-	20.15	20.15	30.00	22.83	36.00
2437MHz	Pass	2.68	-	20.22	20.22	30.00	22.90	36.00
2462MHz	Pass	2.68	-	20.26	20.26	30.00	22.94	36.00
2467MHz	Pass	2.68	-	18.13	18.13	30.00	20.81	36.00
2472MHz	Pass	2.68	-	14.66	14.66	30.00	17.34	36.00
802.11ax HEW40_RU242_Index61_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
2422MHz	Pass	2.68	-	20.22	20.22	30.00	22.90	36.00
2437MHz	Pass	2.68	-	20.41	20.41	30.00	23.09	36.00
2452MHz	Pass	2.68	-	20.29	20.29	30.00	22.97	36.00
2457MHz	Pass	2.68	-	15.05	15.05	30.00	17.73	36.00
2462MHz	Pass	2.68	-	15.16	15.16	30.00	17.84	36.00
802.11ax HEW20_RU26_Index3_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.62	16.68	16.56	19.63	30.00	22.25	36.00
2437MHz	Pass	2.62	17.53	17.41	20.48	30.00	23.10	36.00
2462MHz	Pass	2.62	17.46	17.36	20.42	30.00	23.04	36.00
2467MHz	Pass	2.62	12.53	12.41	15.48	30.00	18.10	36.00
2472MHz	Pass	2.62	10.31	10.28	13.31	30.00	15.93	36.00
802.11ax HEW20_RU52_Index38_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.62	16.75	16.66	19.72	30.00	22.34	36.00
2437MHz	Pass	2.62	17.48	17.45	20.48	30.00	23.10	36.00
2462MHz	Pass	2.62	17.51	17.43	20.48	30.00	23.10	36.00
2467MHz	Pass	2.62	12.53	12.45	15.50	30.00	18.12	36.00
2472MHz	Pass	2.62	10.43	10.4	13.43	30.00	16.05	36.00
802.11ax HEW20_RU106_Index53_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.62	16.65	16.51	19.59	30.00	22.21	36.00
2437MHz	Pass	2.62	17.45	17.38	20.43	30.00	23.05	36.00
2462MHz	Pass	2.62	17.43	17.31	20.38	30.00	23.00	36.00
2467MHz	Pass	2.62	12.46	12.32	15.40	30.00	18.02	36.00
2472MHz	Pass	2.62	10.35	10.28	13.33	30.00	15.95	36.00
802.11ax HEW40_RU242_Index61_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
2422MHz	Pass	2.62	16.41	16.32	19.38	30.00	22.00	36.00
2437MHz	Pass	2.62	16.86	16.75	19.82	30.00	22.44	36.00
2452MHz	Pass	2.62	16.23	16.03	19.14	30.00	21.76	36.00
2457MHz	Pass	2.62	9.23	9.12	12.19	30.00	14.81	36.00
2462MHz	Pass	2.62	10.25	10.35	13.31	30.00	15.93	36.00

DG = Directional Gain
For 2TX
Directional Gain =10 log [($10^{2.55/10}$ + $10^{2.68/10}$)/2] = 2.62 dBi
Port X = Port X output power
Note: Conducted average output power is for reference

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX_Port 1	16.42	0.04385
802.11g_Nss1,(6Mbps)_1TX_Port 1	16.35	0.04315
802.11ax HEW20_Nss1,(MCS0)_1TX_FULL_RU_Port 1	16.27	0.04236
802.11ax HEW40_Nss1,(MCS0)_1TX_FULL_RU_Port 1	16.35	0.04315
802.11b_Nss1,(1Mbps)_1TX_Port 2	16.38	0.04345
802.11g_Nss1,(6Mbps)_1TX_Port 2	16.31	0.04276
802.11ax HEW20_Nss1,(MCS0)_1TX_FULL_RU_Port 2	16.33	0.04295
802.11ax HEW40_Nss1,(MCS0)_1TX_FULL_RU_Port 2	16.37	0.04335
802.11ax HEW20_Nss2,(MCS0)_2TX_FULL_RU_Port 1+2	16.37	0.04335
802.11ax HEW40_Nss2,(MCS0)_2TX_FULL_RU_Port 1+2	15.61	0.03639

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)_1TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.55	16.22	-	16.22	-	18.77	-
2437MHz	Pass	2.55	16.42	-	16.42	-	18.97	-
2462MHz	Pass	2.55	16.31	-	16.31	-	18.86	-
2467MHz	Pass	2.55	16.32	-	16.32	-	18.87	-
2472MHz	Pass	2.55	16.13	-	16.13	-	18.68	-
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.55	16.14	-	16.14	-	18.69	-
2437MHz	Pass	2.55	16.35	-	16.35	-	18.90	-
2462MHz	Pass	2.55	16.15	-	16.15	-	18.70	-
2467MHz	Pass	2.55	14.75	-	14.75	-	17.30	-
2472MHz	Pass	2.55	11.39	-	11.39	-	13.94	-
802.11ax HEW20_Nss1,(MCS0)_1TX_FULL_RU	-	-	-	-	-	-	-	-
2412MHz	Pass	2.55	16.14	-	16.14	-	18.69	-
2437MHz	Pass	2.55	16.08	-	16.08	-	18.63	-
2462MHz	Pass	2.55	16.27	-	16.27	-	18.82	-
2467MHz	Pass	2.55	13.76	-	13.76	-	16.31	-
2472MHz	Pass	2.55	10.4	-	10.40	-	12.95	-
802.11ax HEW40_Nss1,(MCS0)_1TX_FULL_RU	-	-	-	-	-	-	-	-
2422MHz	Pass	2.55	15.62	-	15.62	-	18.17	-
2437MHz	Pass	2.55	16.35	-	16.35	-	18.90	-
2452MHz	Pass	2.55	15.44	-	15.44	-	17.99	-
2457MHz	Pass	2.55	10.39	-	10.39	-	12.94	-
2462MHz	Pass	2.55	10.29	-	10.29	-	12.84	-
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.68	-	16.31	16.31	-	18.99	-
2437MHz	Pass	2.68	-	16.38	16.38	-	19.06	-
2462MHz	Pass	2.68	-	16.35	16.35	-	19.03	-
2467MHz	Pass	2.68	-	16.36	16.36	-	19.04	-
2472MHz	Pass	2.68	-	16.31	16.31	-	18.99	-
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.68	-	16.31	16.31	-	18.99	-
2437MHz	Pass	2.68	-	16.27	16.27	-	18.95	-
2462MHz	Pass	2.68	-	16.28	16.28	-	18.96	-
2467MHz	Pass	2.68	-	14.8	14.80	-	17.48	-
2472MHz	Pass	2.68	-	10.27	10.27	-	12.95	-
802.11ax HEW20_Nss1,(MCS0)_1TX_FULL_RU	-	-	-	-	-	-	-	-
2412MHz	Pass	2.68	-	16.33	16.33	-	19.01	-

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
2437MHz	Pass	2.68	-	16.27	16.27	-	18.95	-
2462MHz	Pass	2.68	-	16.28	16.28	-	18.96	-
2467MHz	Pass	2.68	-	13.84	13.84	-	16.52	-
2472MHz	Pass	2.68	-	9.38	9.38	-	12.06	-
802.11ax HEW40_Nss1,(MCS0)_1TX_FULL_RU	-	-	-	-	-	-	-	-
2422MHz	Pass	2.68	-	15.81	15.81	-	18.49	-
2437MHz	Pass	2.68	-	16.37	16.37	-	19.05	-
2452MHz	Pass	2.68	-	16.01	16.01	-	18.69	-
2457MHz	Pass	2.68	-	10.86	10.86	-	13.54	-
2462MHz	Pass	2.68	-	10.47	10.47	-	13.15	-
802.11ax HEW20_Nss2,(MCS0)_2TX_FULL_RU	-	-	-	-	-	-	-	-
2412MHz	Pass	2.62	12.46	12.35	15.42	-	18.04	-
2437MHz	Pass	2.62	13.46	13.25	16.37	-	18.99	-
2462MHz	Pass	2.62	13.48	13.2	16.35	-	18.97	-
2467MHz	Pass	2.62	8.36	8.28	11.33	-	13.95	-
2472MHz	Pass	2.62	5.82	5.94	8.89	-	11.51	-
802.11ax HEW40_Nss2,(MCS0)_2TX_FULL_RU	-	-	-	-	-	-	-	-
2422MHz	Pass	2.62	11.99	12.1	15.06	-	17.68	-
2437MHz	Pass	2.62	12.65	12.54	15.61	-	18.23	-
2452MHz	Pass	2.62	11.86	11.88	14.88	-	17.50	-
2457MHz	Pass	2.62	4.78	4.92	7.86	-	10.48	-
2462MHz	Pass	2.62	5.86	5.89	8.89	-	11.51	-

DG = Directional Gain
For 2TX
Directional Gain =10 log [($10^{2.55/10}$ + $10^{2.68/10}$)/2] = 2.62 dBi
Port X = Port X output power
Note: Conducted average output power is for reference

11ax Partial RU mode

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20_RU26_Index3_Nss1,(MCS0)_1TX_Port 1	16.40	0.04365
802.11ax HEW20_RU52_Index38_Nss1,(MCS0)_1TX_Port 1	16.39	0.04355
802.11ax HEW20_RU106_Index53_Nss1,(MCS0)_1TX_Port 1	16.24	0.04207
802.11ax HEW40_RU242_Index61_Nss1,(MCS0)_1TX_Port 1	16.18	0.04150
802.11ax HEW20_RU26_Index3_Nss1,(MCS0)_1TX_Port 2	16.18	0.04150
802.11ax HEW20_RU52_Index38_Nss1,(MCS0)_1TX_Port 2	16.40	0.04365
802.11ax HEW20_RU106_Index53_Nss1,(MCS0)_1TX_Port 2	16.37	0.04335
802.11ax HEW40_RU242_Index61_Nss1,(MCS0)_1TX_Port 2	16.27	0.04236
802.11ax HEW20_RU26_Index3_Nss2,(MCS0)_2TX_Port 1+2	16.40	0.04365
802.11ax HEW20_RU52_Index38_Nss2,(MCS0)_2TX_Port 1+2	16.39	0.04355
802.11ax HEW20_RU106_Index53_Nss2,(MCS0)_2TX_Port 1+2	16.25	0.04217
802.11ax HEW40_RU242_Index61_Nss2,(MCS0)_2TX_Port 1+2	15.43	0.03491

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20_RU26_Index3_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-	-	-
2412MHz	Pass	2.55	16.32	-	16.32	-	18.87	-
2437MHz	Pass	2.55	16.4	-	16.40	-	18.95	-
2462MHz	Pass	2.55	16.38	-	16.38	-	18.93	-
2467MHz	Pass	2.55	13.9	-	13.90	-	16.45	-
2472MHz	Pass	2.55	10.26	-	10.26	-	12.81	-
802.11ax HEW20_RU52_Index38_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-	-	-
2412MHz	Pass	2.55	16.29	-	16.29	-	18.84	-
2437MHz	Pass	2.55	16.27	-	16.27	-	18.82	-
2462MHz	Pass	2.55	16.39	-	16.39	-	18.94	-
2467MHz	Pass	2.55	13.85	-	13.85	-	16.40	-
2472MHz	Pass	2.55	10.38	-	10.38	-	12.93	-
802.11ax HEW20_RU106_Index53_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-	-	-
2412MHz	Pass	2.55	16.18	-	16.18	-	18.73	-
2437MHz	Pass	2.55	16.2	-	16.20	-	18.75	-
2462MHz	Pass	2.55	16.24	-	16.24	-	18.79	-
2467MHz	Pass	2.55	13.84	-	13.84	-	16.39	-
2472MHz	Pass	2.55	10.29	-	10.29	-	12.84	-
802.11ax HEW40_RU242_Index61_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-	-	-
2422MHz	Pass	2.55	15.61	-	15.61	-	18.16	-
2437MHz	Pass	2.55	16.18	-	16.18	-	18.73	-
2452MHz	Pass	2.55	15.42	-	15.42	-	17.97	-
2457MHz	Pass	2.55	10.4	-	10.40	-	12.95	-
2462MHz	Pass	2.55	10.41	-	10.41	-	12.96	-
802.11ax HEW20_RU26_Index3_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
2412MHz	Pass	2.68	-	16.18	16.18	-	18.86	-
2437MHz	Pass	2.68	-	16.17	16.17	-	18.85	-
2462MHz	Pass	2.68	-	16.17	16.17	-	18.85	-
2467MHz	Pass	2.68	-	13.81	13.81	-	16.49	-
2472MHz	Pass	2.68	-	9.21	9.21	-	11.89	-
802.11ax HEW20_RU52_Index38_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
2412MHz	Pass	2.68	-	16.4	16.40	-	19.08	-
2437MHz	Pass	2.68	-	16.37	16.37	-	19.05	-
2462MHz	Pass	2.68	-	16.33	16.33	-	19.01	-
2467MHz	Pass	2.68	-	13.75	13.75	-	16.43	-
2472MHz	Pass	2.68	-	9.32	9.32	-	12.00	-

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20_RU106_Index53_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
2412MHz	Pass	2.68	-	16.29	16.29	-	18.97	-
2437MHz	Pass	2.68	-	16.31	16.31	-	18.99	-
2462MHz	Pass	2.68	-	16.37	16.37	-	19.05	-
2467MHz	Pass	2.68	-	13.87	13.87	-	16.55	-
2472MHz	Pass	2.68	-	9.37	9.37	-	12.05	-
802.11ax HEW40_RU242_Index61_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
2422MHz	Pass	2.68	-	15.79	15.79	-	18.47	-
2437MHz	Pass	2.68	-	16.27	16.27	-	18.95	-
2452MHz	Pass	2.68	-	15.95	15.95	-	18.63	-
2457MHz	Pass	2.68	-	10.81	10.81	-	13.49	-
2462MHz	Pass	2.68	-	10.63	10.63	-	13.31	-
802.11ax HEW20_RU26_Index3_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.62	12.44	12.34	15.40	-	18.02	-
2437MHz	Pass	2.62	13.43	13.35	16.40	-	19.02	-
2462MHz	Pass	2.62	13.26	13.08	16.18	-	18.80	-
2467MHz	Pass	2.62	8.28	8.13	11.22	-	13.84	-
2472MHz	Pass	2.62	6.01	5.92	8.98	-	11.60	-
802.11ax HEW20_RU52_Index38_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.62	12.68	12.56	15.63	-	18.25	-
2437MHz	Pass	2.62	13.36	13.31	16.35	-	18.97	-
2462MHz	Pass	2.62	13.46	13.29	16.39	-	19.01	-
2467MHz	Pass	2.62	8.41	8.3	11.37	-	13.99	-
2472MHz	Pass	2.62	6.14	6.09	9.13	-	11.75	-
802.11ax HEW20_RU106_Index53_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.62	12.47	12.39	15.44	-	18.06	-
2437MHz	Pass	2.62	13.18	13.11	16.16	-	18.78	-
2462MHz	Pass	2.62	13.31	13.16	16.25	-	18.87	-
2467MHz	Pass	2.62	8.2	8.08	11.15	-	13.77	-
2472MHz	Pass	2.62	5.97	5.89	8.94	-	11.56	-
802.11ax HEW40_RU242_Index61_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
2422MHz	Pass	2.62	12.18	12.07	15.14	-	17.76	-
2437MHz	Pass	2.62	12.55	12.28	15.43	-	18.05	-
2452MHz	Pass	2.62	11.99	11.6	14.81	-	17.43	-
2457MHz	Pass	2.62	4.72	4.65	7.70	-	10.32	-
2462MHz	Pass	2.62	5.81	5.75	8.79	-	11.41	-

DG = Directional Gain
For 2TX
Directional Gain =10 log [($10^{2.55/10}$ + $10^{2.68/10}$)/2] = 2.62 dBi
Port X = Port X output power
Note: Conducted average output power is for reference

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX	-6.16
802.11g_Nss1,(6Mbps)_1TX	-7.37
802.11ax HEW20_Nss1,(MCS0)_1TX_FULL_RU	-8.59
802.11ax HEW40_Nss1,(MCS0)_1TX_FULL_RU	-12.13
802.11ax HEW20_Nss2,(MCS0)_2TX_FULL_RU	-9.64
802.11ax HEW40_Nss2,(MCS0)_2TX_FULL_RU	-13.02

RBW = 3kHz;

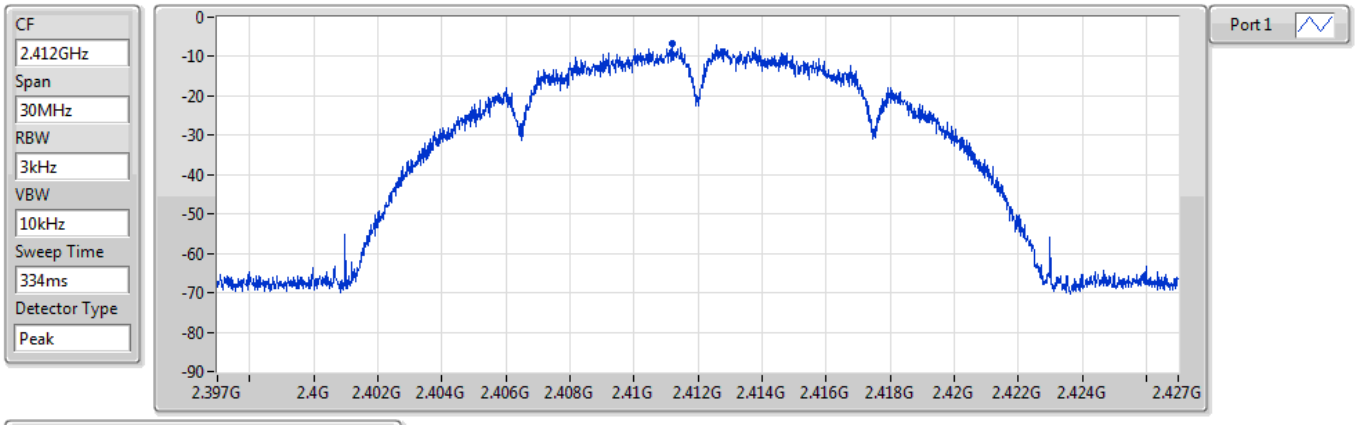
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-
2412MHz	Pass	2.55	-6.57		-6.57	8.00
2437MHz	Pass	2.55	-6.29		-6.29	8.00
2462MHz	Pass	2.55	-6.16		-6.16	8.00
2467MHz	Pass	2.55	-6.22		-6.22	8.00
2472MHz	Pass	2.55	-6.38		-6.38	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-
2412MHz	Pass	2.55	-8.23		-8.23	8.00
2437MHz	Pass	2.55	-7.37		-7.37	8.00
2462MHz	Pass	2.55	-8.42		-8.42	8.00
2467MHz	Pass	2.55	-9.61		-9.61	8.00
2472MHz	Pass	2.55	-14.19		-14.19	8.00
802.11ax HEW20_Nss1,(MCS0)_1TX_FULL_RU	-	-	-	-	-	-
2412MHz	Pass	2.55	-9.69		-9.69	8.00
2437MHz	Pass	2.55	-9.29		-9.29	8.00
2462MHz	Pass	2.55	-8.59		-8.59	8.00
2467MHz	Pass	2.55	-12.37		-12.37	8.00
2472MHz	Pass	2.55	-15.99		-15.99	8.00
802.11ax HEW40_Nss1,(MCS0)_1TX_FULL_RU	-	-	-	-	-	-
2422MHz	Pass	2.55	-12.14		-12.14	8.00
2437MHz	Pass	2.55	-12.13		-12.13	8.00
2452MHz	Pass	2.55	-12.63		-12.63	8.00
2457MHz	Pass	2.55	-18.60		-18.60	8.00
2462MHz	Pass	2.55	-18.82		-18.82	8.00
802.11ax HEW20_Nss2,(MCS0)_2TX_FULL_RU	-	-	-	-	-	-
2412MHz	Pass	2.62	-13.22	-12.43	-10.89	8.00
2437MHz	Pass	2.62	-11.83	-11.84	-9.64	8.00
2462MHz	Pass	2.62	-12.38	-11.88	-10.28	8.00
2467MHz	Pass	2.62	-16.57	-16.53	-15.01	8.00
2472MHz	Pass	2.62	-21.06	-20.99	-19.21	8.00
802.11ax HEW40_Nss2,(MCS0)_2TX_FULL_RU	-	-	-	-	-	-
2422MHz	Pass	2.62	-15.73	-16.86	-14.41	8.00
2437MHz	Pass	2.62	-14.58	-15.81	-13.02	8.00
2452MHz	Pass	2.62	-15.81	-16.19	-14.18	8.00
2457MHz	Pass	2.62	-23.22	-22.70	-21.30	8.00
2462MHz	Pass	2.62	-23.20	-22.49	-21.07	8.00

DG = Directional Gain=10 log [($10^{2.55/10}$ + $10^{2.68/10}$)/2] = 2.62 dBi; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11b_Nss1,(1Mbps)_1TX PSD

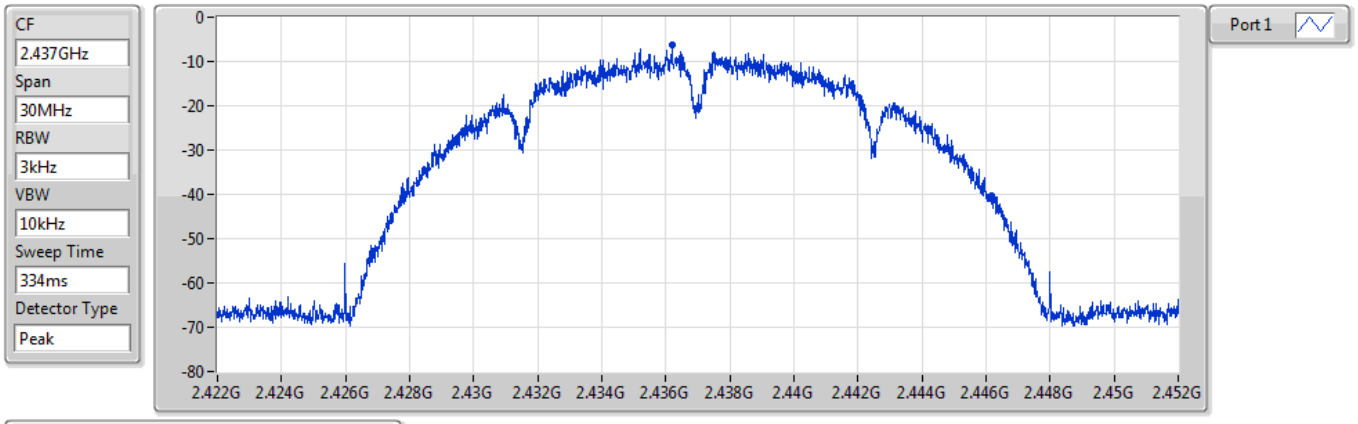
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.57	-6.57	-6.57

802.11b_Nss1,(1Mbps)_1TX PSD

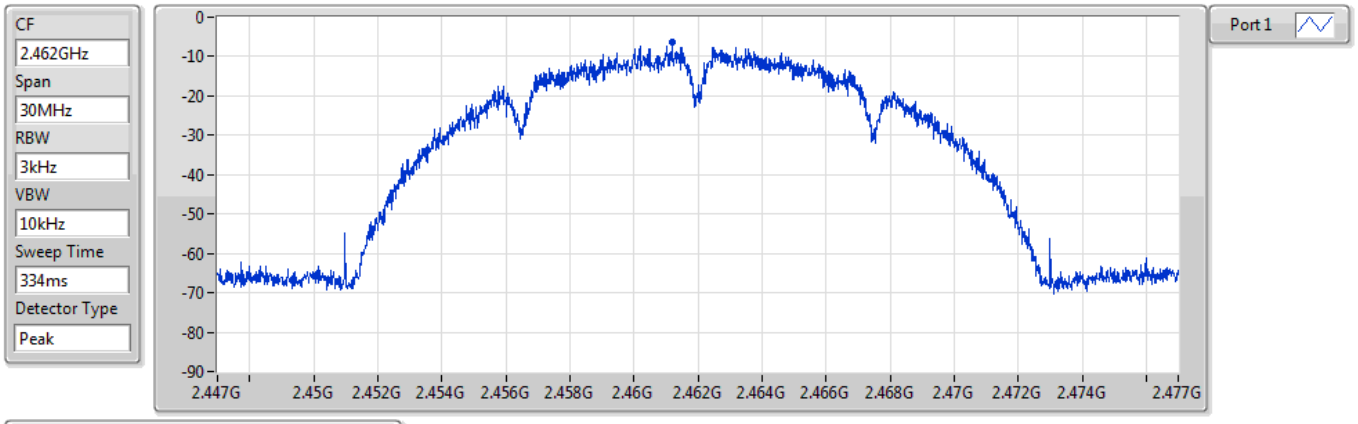
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.29	-6.29	-6.29

802.11b_Nss1,(1Mbps)_1TX PSD

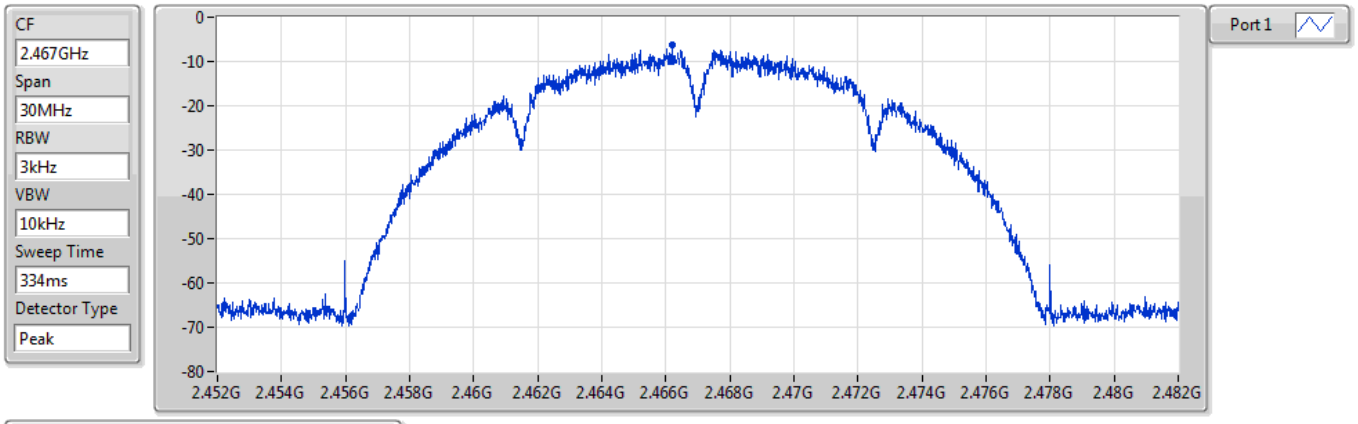
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.16	-6.16	-6.16

802.11b_Nss1,(1Mbps)_1TX PSD

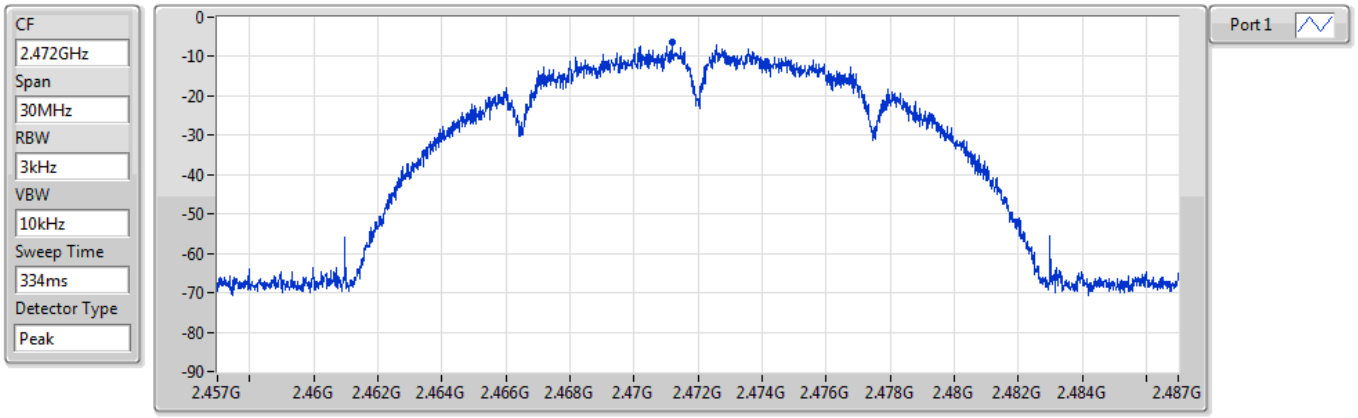
2467MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.22	-6.22	-6.22

802.11b_Nss1,(1Mbps)_1TX PSD

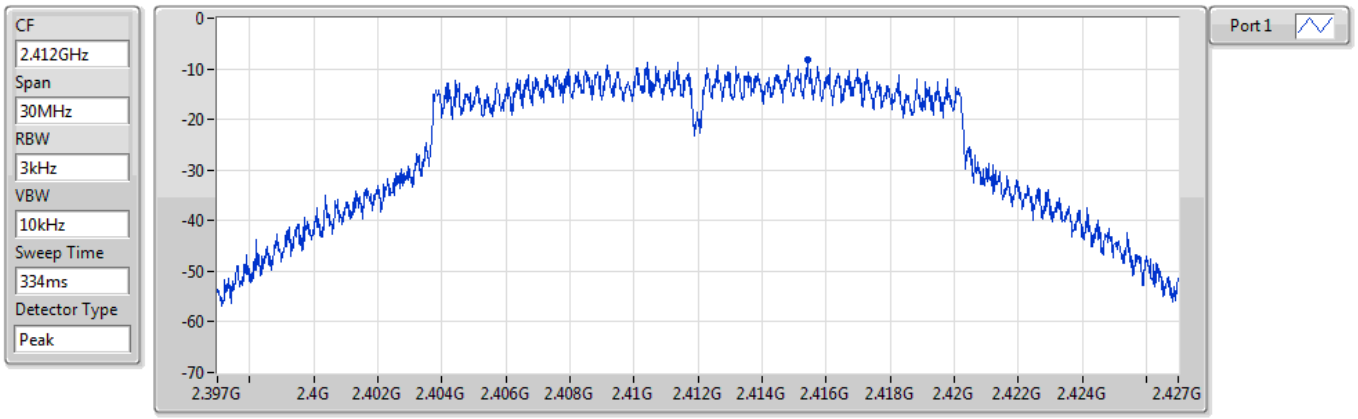
2472MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.38	-6.38	-6.38

802.11g_Nss1,(6Mbps)_1TX PSD

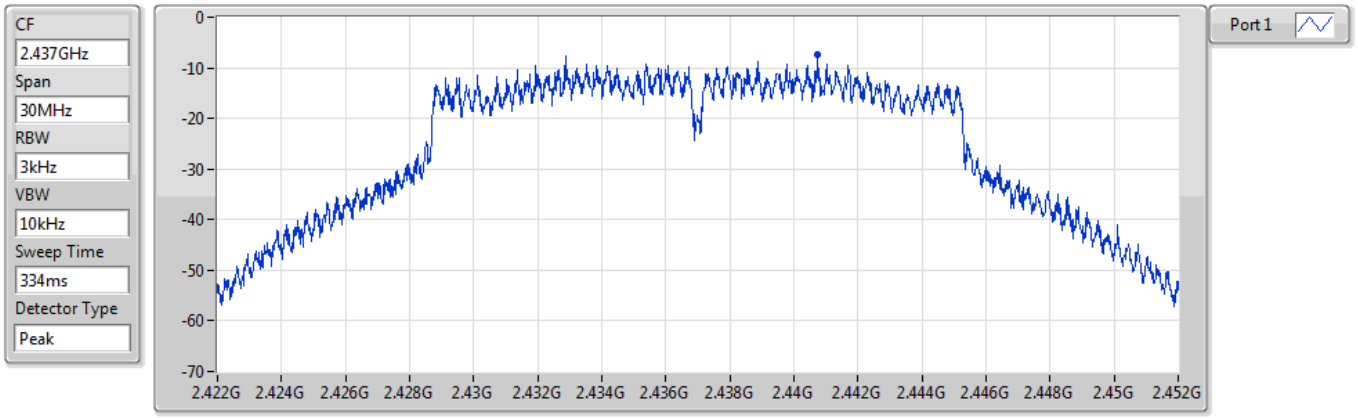
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.23	-8.23	-8.23

802.11g_Nss1,(6Mbps)_1TX PSD

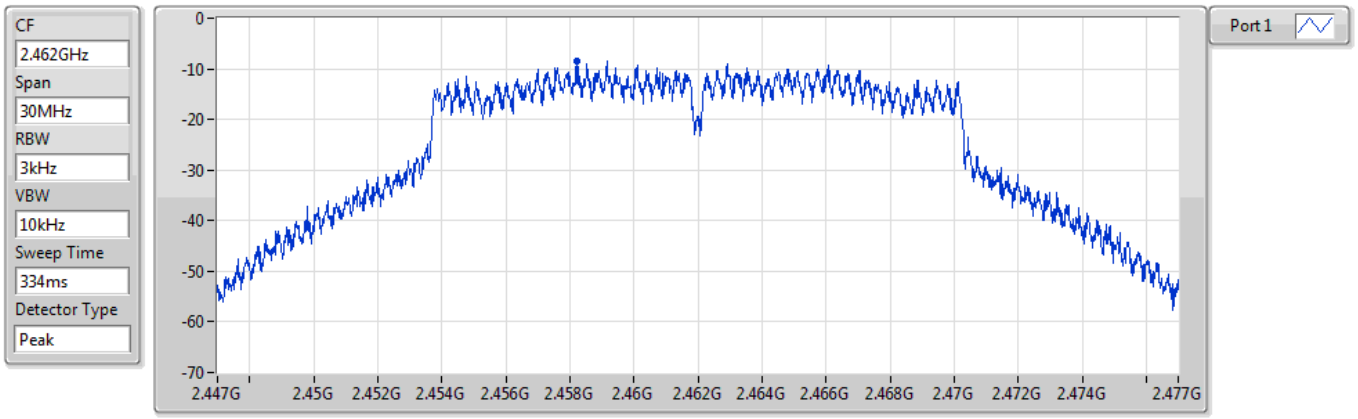
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.37	-7.37	-7.37

802.11g_Nss1,(6Mbps)_1TX PSD

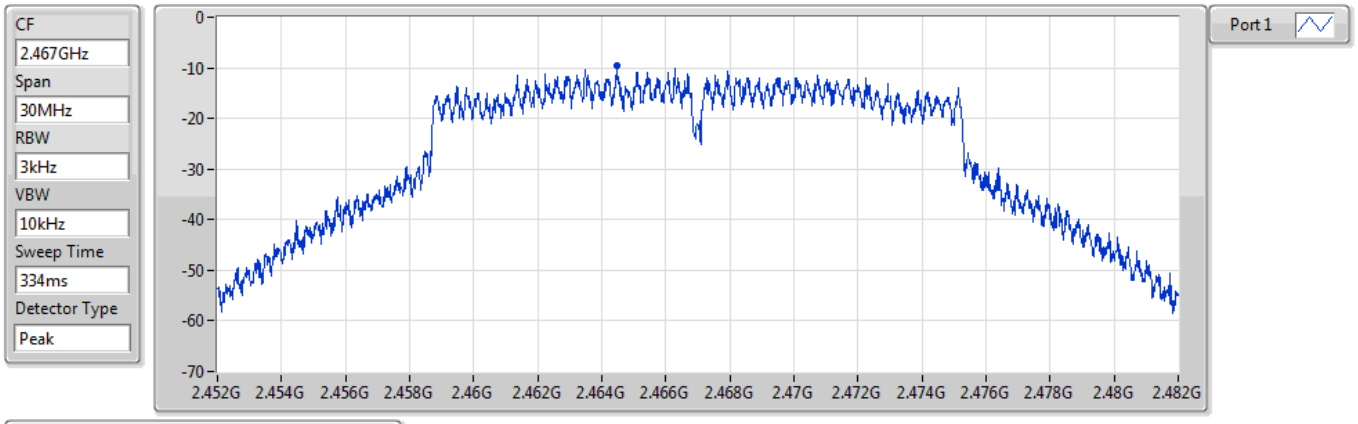
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.42	-8.42	-8.42

802.11g_Nss1,(6Mbps)_1TX **PSD**

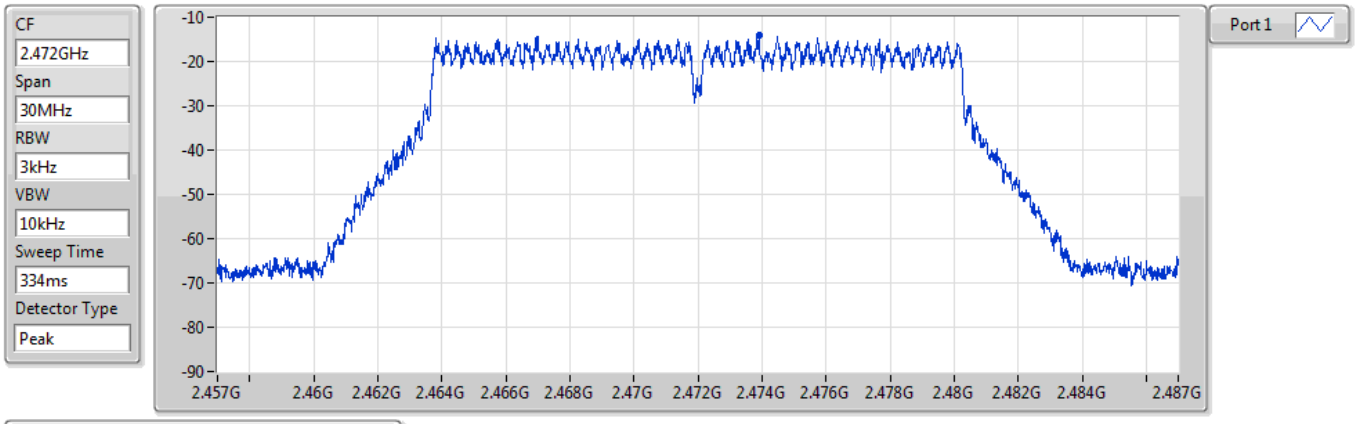
2467MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.61	-9.61	-9.61

802.11g_Nss1,(6Mbps)_1TX **PSD**

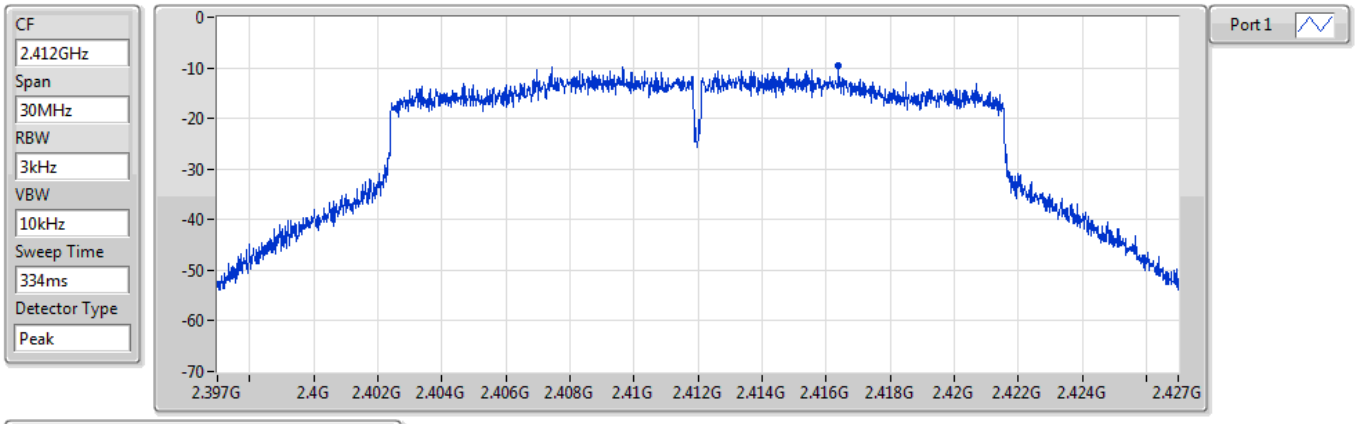
2472MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.19	-14.19	-14.19

802.11ax HEW20_Nss1,(MCS0)_1TX PSD

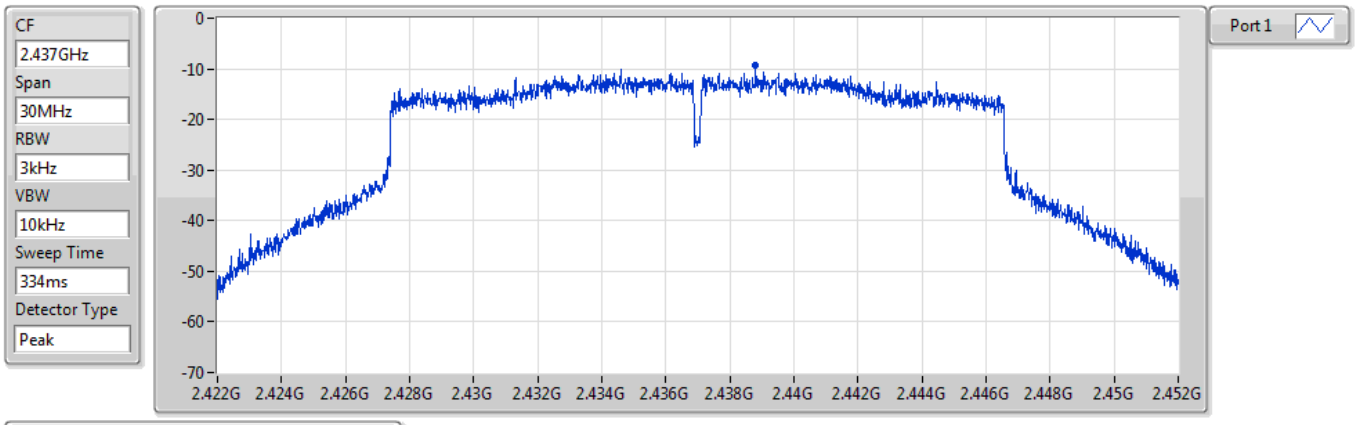
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.69	-9.69	-9.69

802.11ax HEW20_Nss1,(MCS0)_1TX PSD

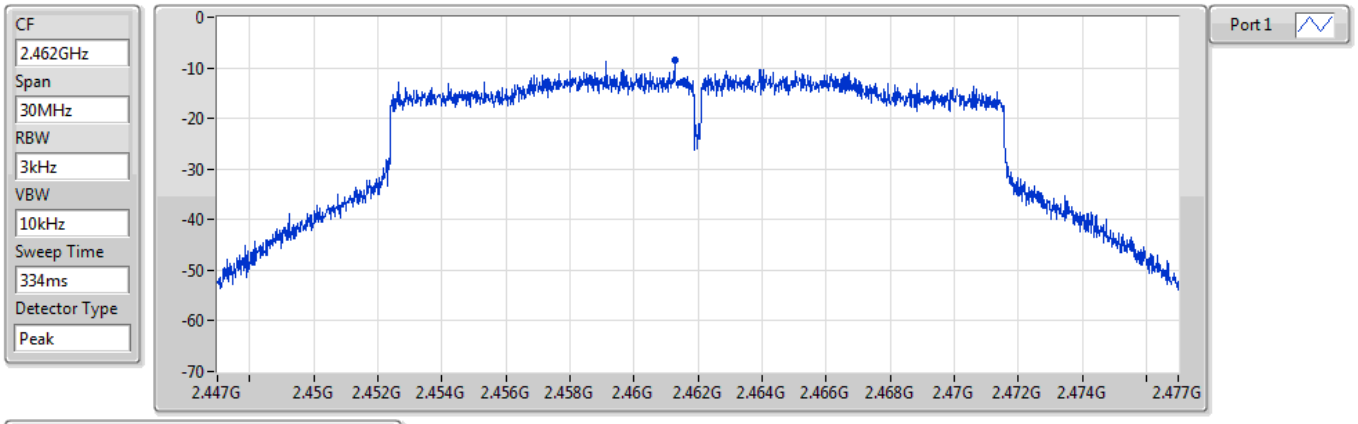
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.29	-9.29	-9.29

802.11ax HEW20_Nss1,(MCS0)_1TX PSD

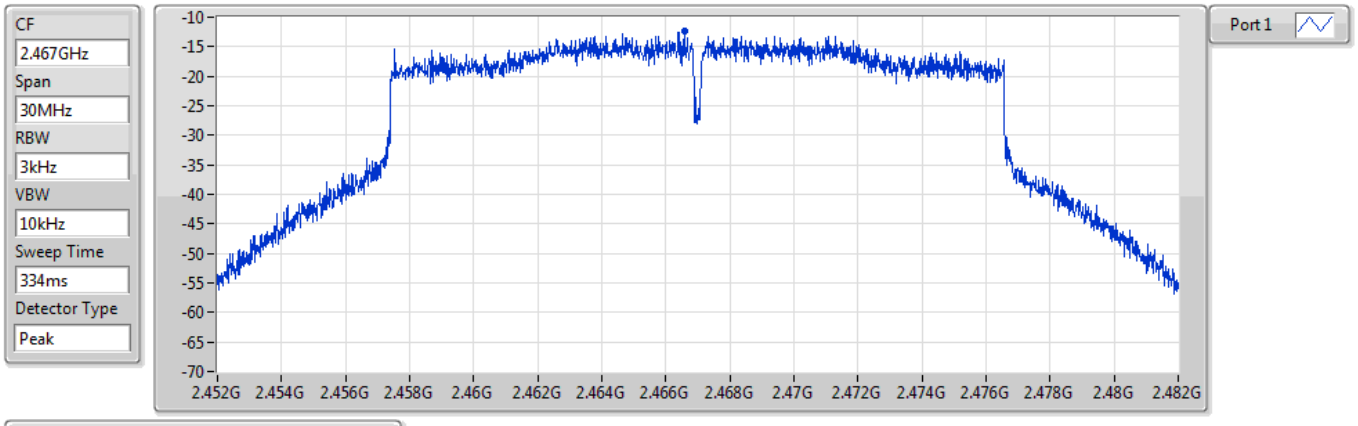
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.59	-8.59	-8.59

802.11ax HEW20_Nss1,(MCS0)_1TX PSD

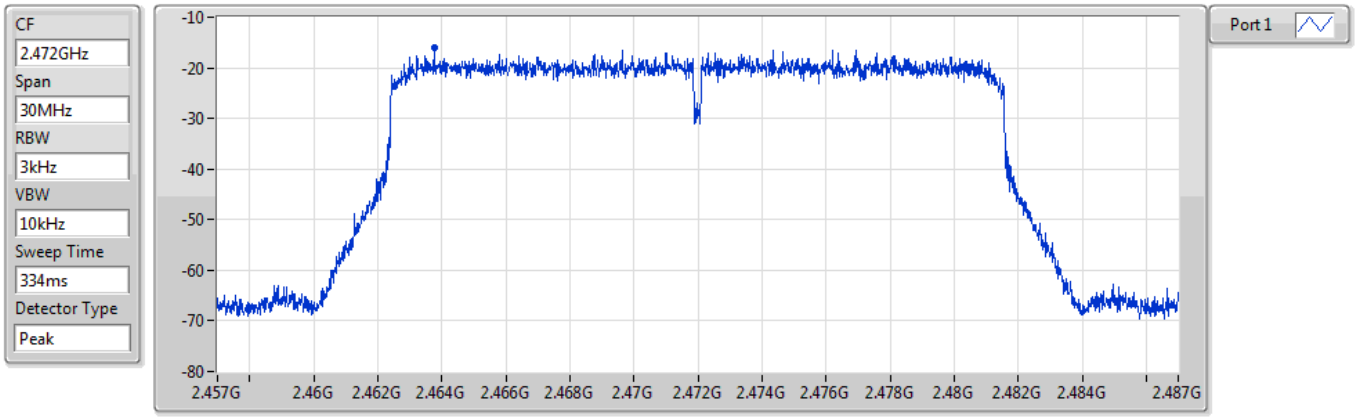
2467MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.37	-12.37	-12.37

802.11ax HEW20_Nss1,(MCS0)_1TX PSD

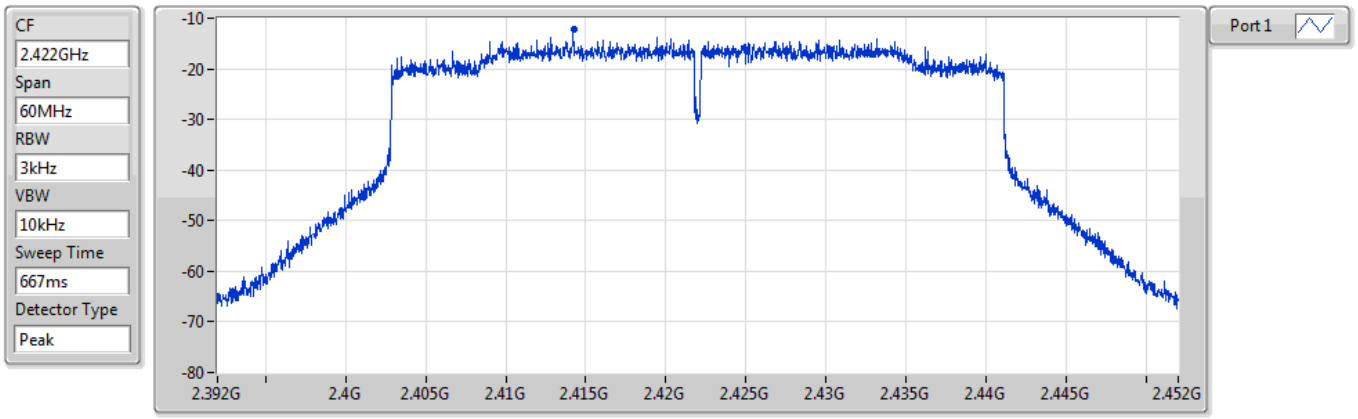
2472MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-15.99	-15.99	-15.99

802.11ax HEW40_Nss1,(MCS0)_1TX PSD

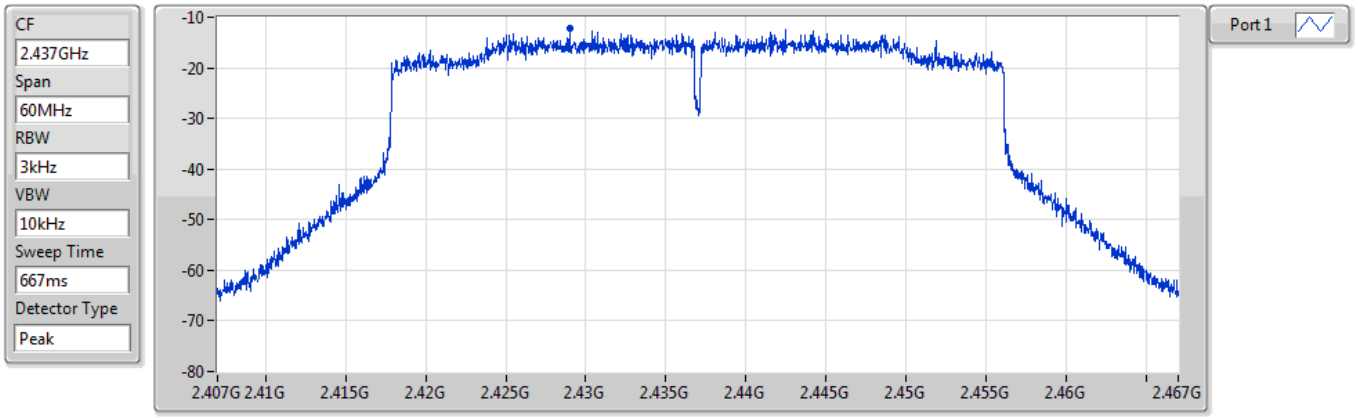
2422MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.14	-12.14	-12.14

802.11ax HEW40_Nss1,(MCS0)_1TX PSD

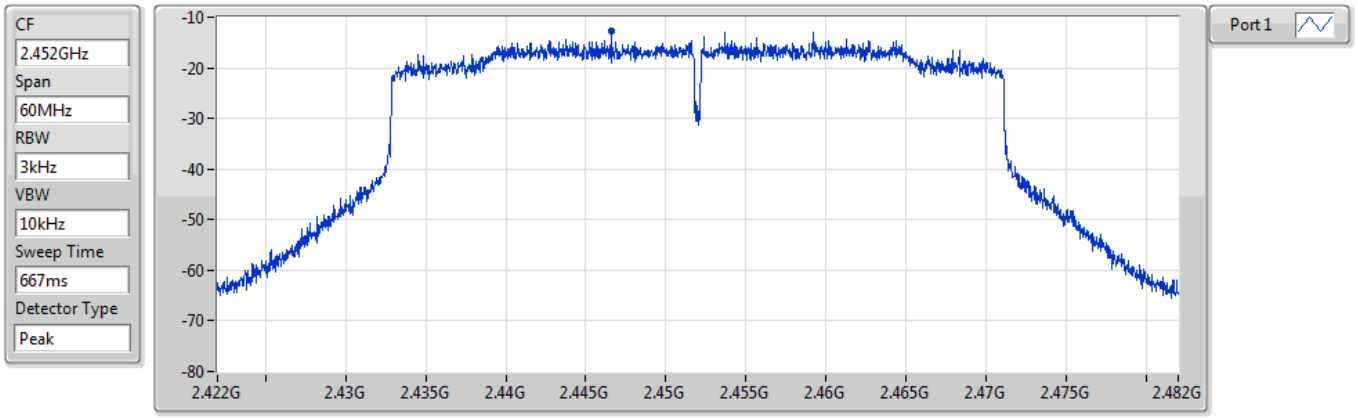
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.13	-12.13	-12.13

802.11ax HEW40_Nss1,(MCS0)_1TX PSD

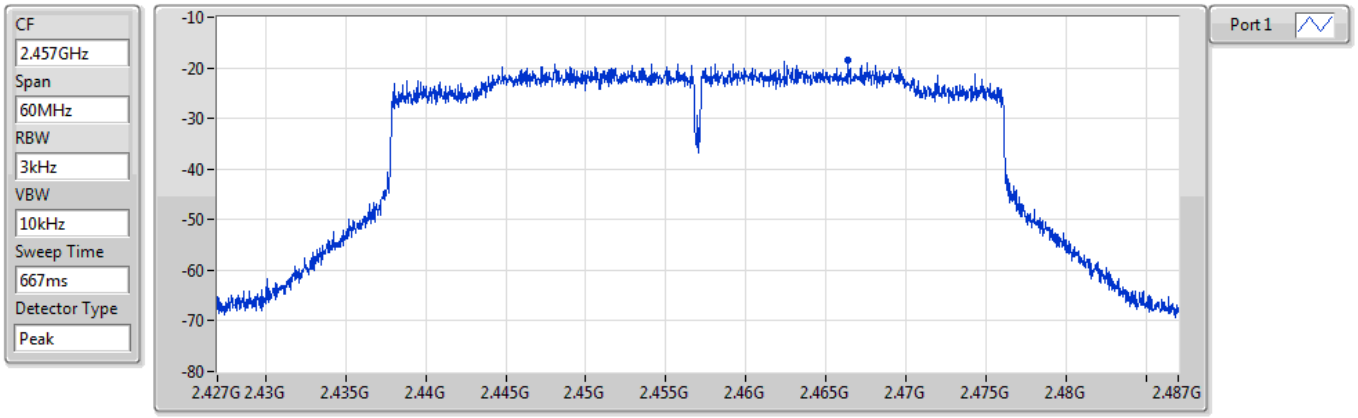
2452MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.63	-12.63	-12.63

802.11ax HEW40_Nss1,(MCS0)_1TX PSD

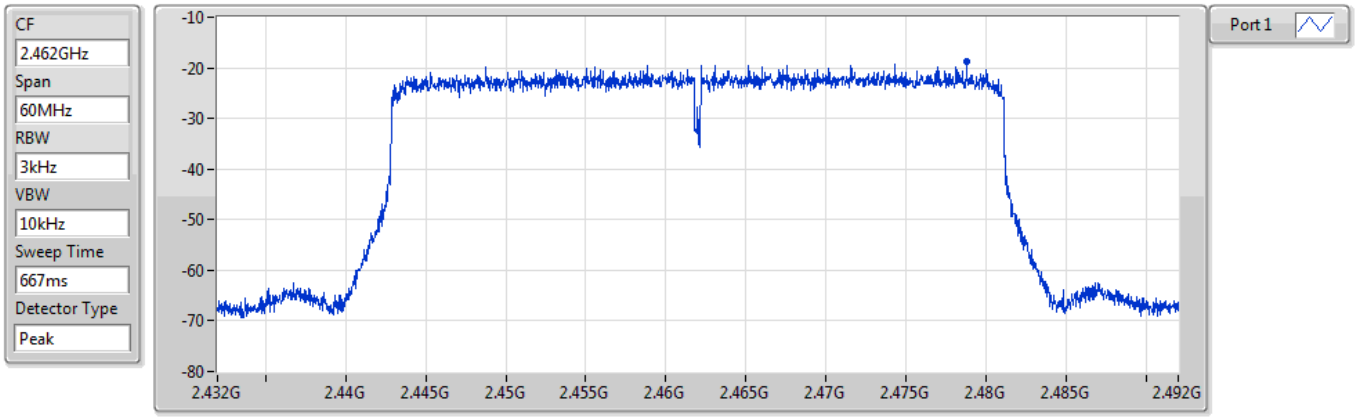
2457MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-18.60	-18.60	-18.60

802.11ax HEW40_Nss1,(MCS0)_1TX PSD

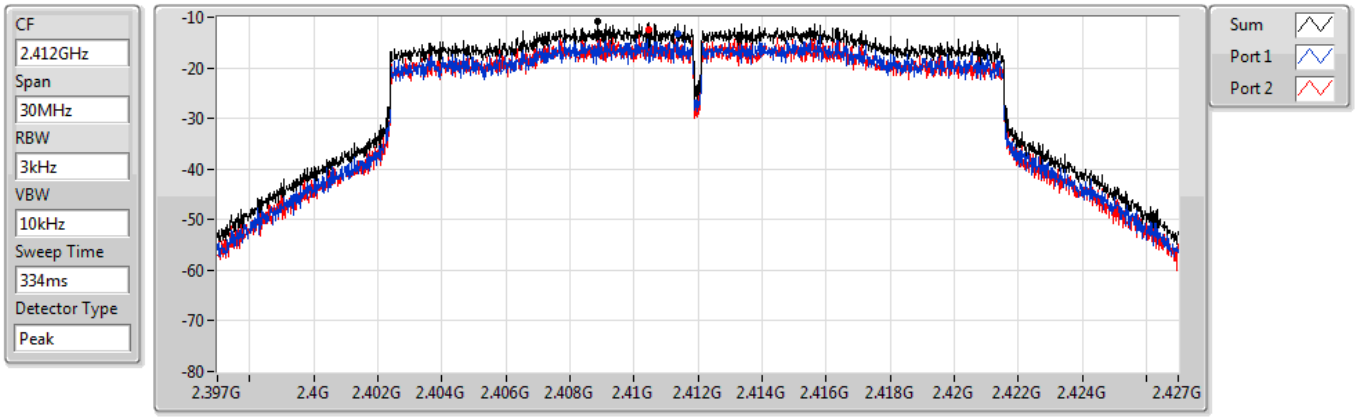
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-18.82	-18.82	-18.82

802.11ax HEW20_Nss2,(MCS0)_2TX PSD

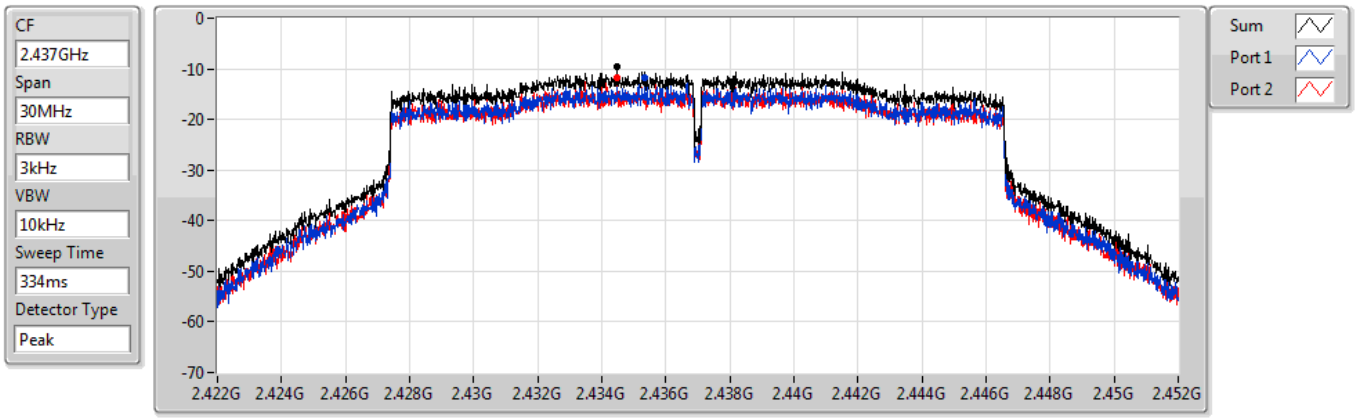
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.89	-10.89	-13.22	-12.43

802.11ax HEW20_Nss2,(MCS0)_2TX PSD

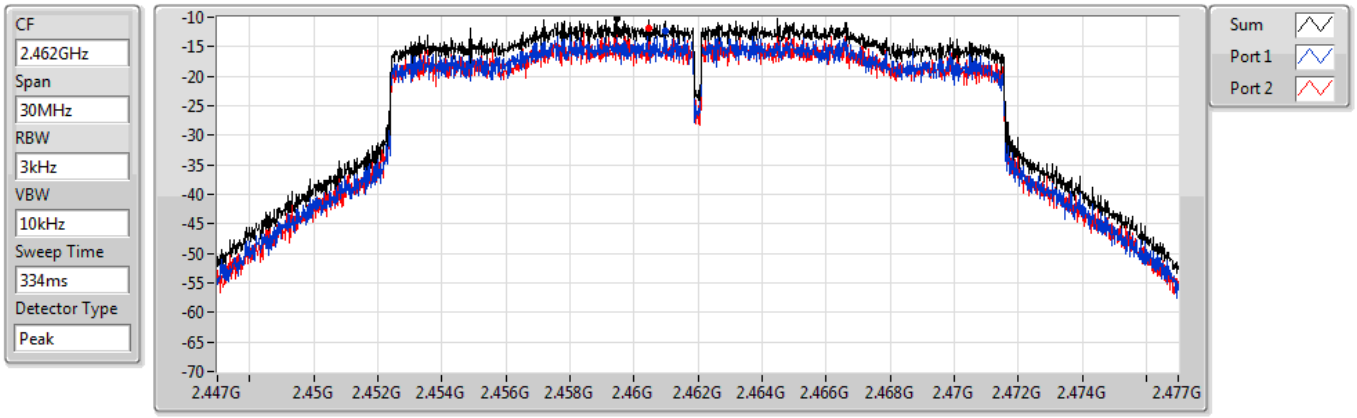
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.64	-9.64	-11.83	-11.84

802.11ax HEW20_Nss2,(MCS0)_2TX PSD

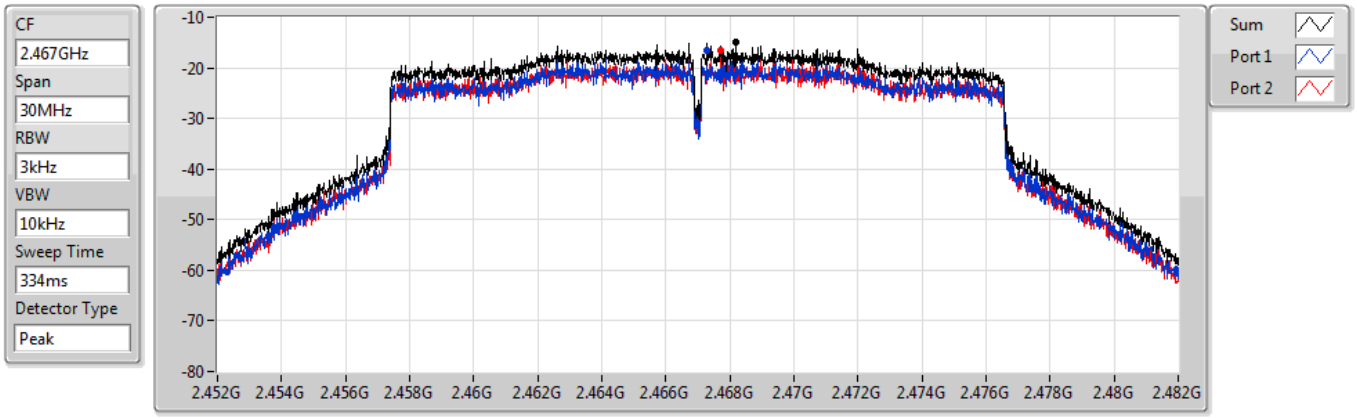
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.28	-10.28	-12.38	-11.88

802.11ax HEW20_Nss2,(MCS0)_2TX PSD

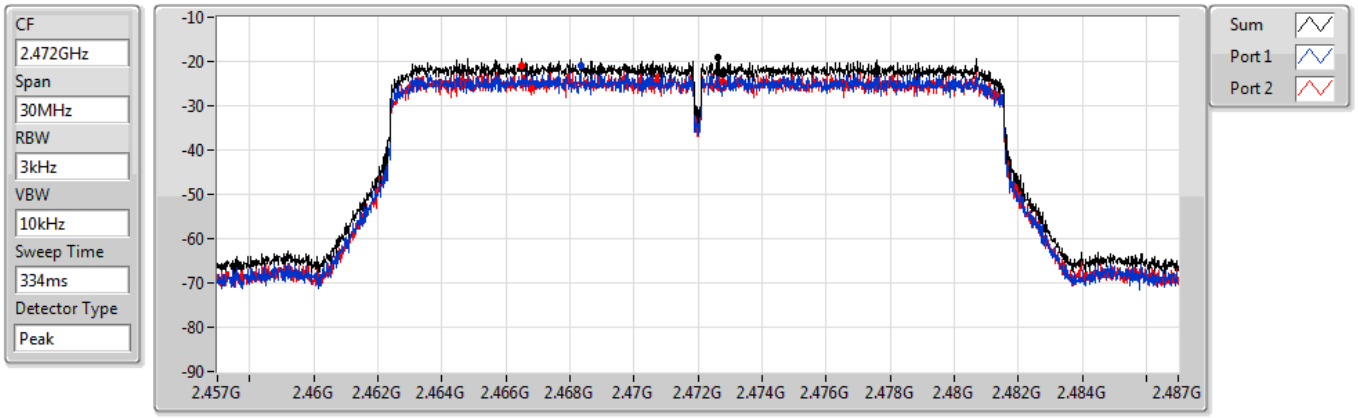
2467MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-15.01	-15.01	-16.57	-16.53

802.11ax HEW20_Nss2,(MCS0)_2TX PSD

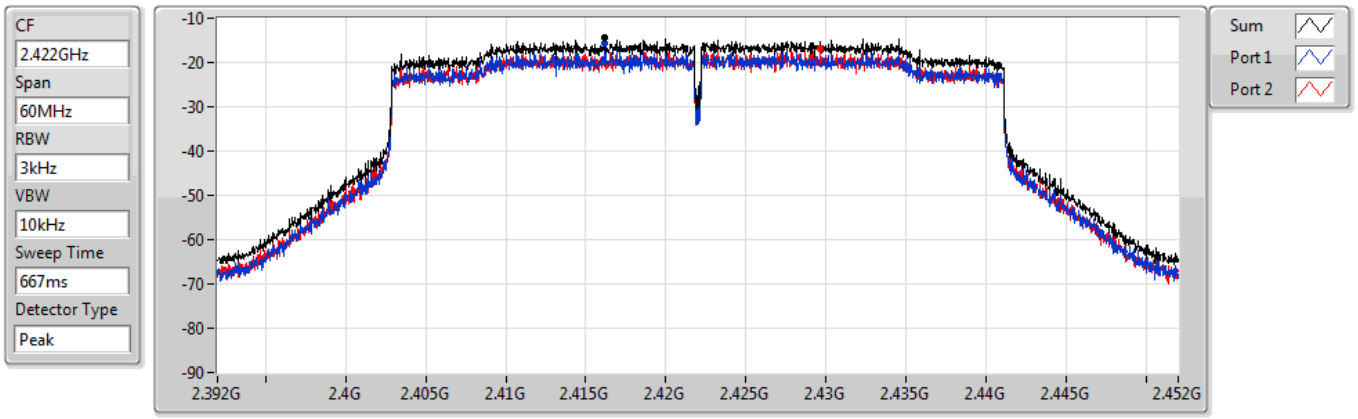
2472MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-19.21	-19.21	-21.06	-20.99

802.11ax HEW40_Nss2,(MCS0)_2TX PSD

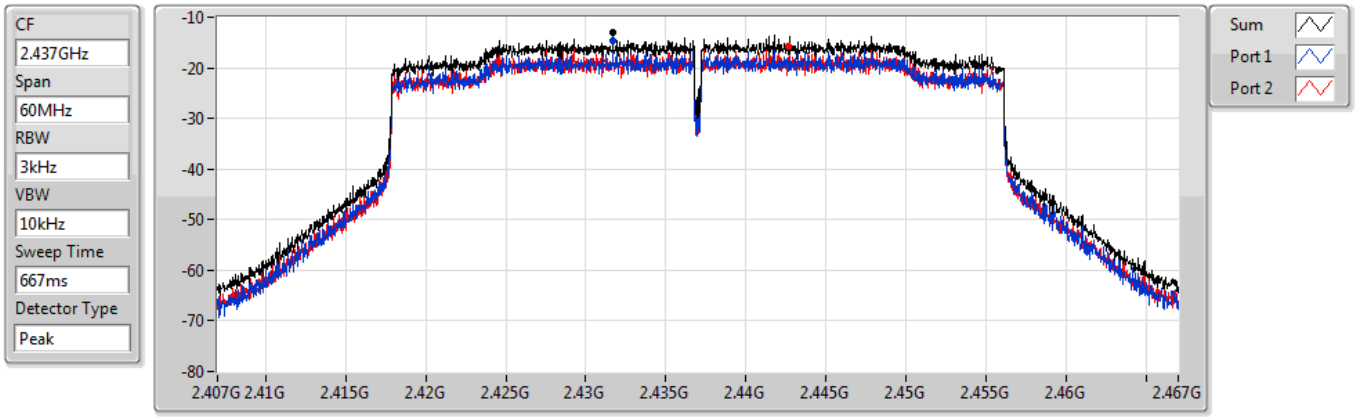
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.41	-14.41	-15.73	-16.86

802.11ax HEW40_Nss2,(MCS0)_2TX PSD

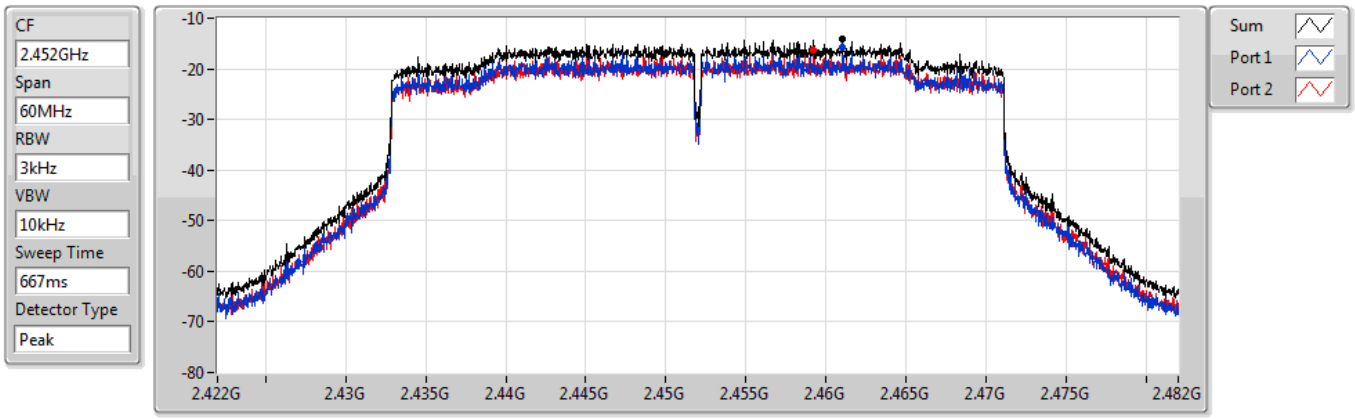
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.02	-13.02	-14.58	-15.81

802.11ax HEW40_Nss2,(MCS0)_2TX PSD

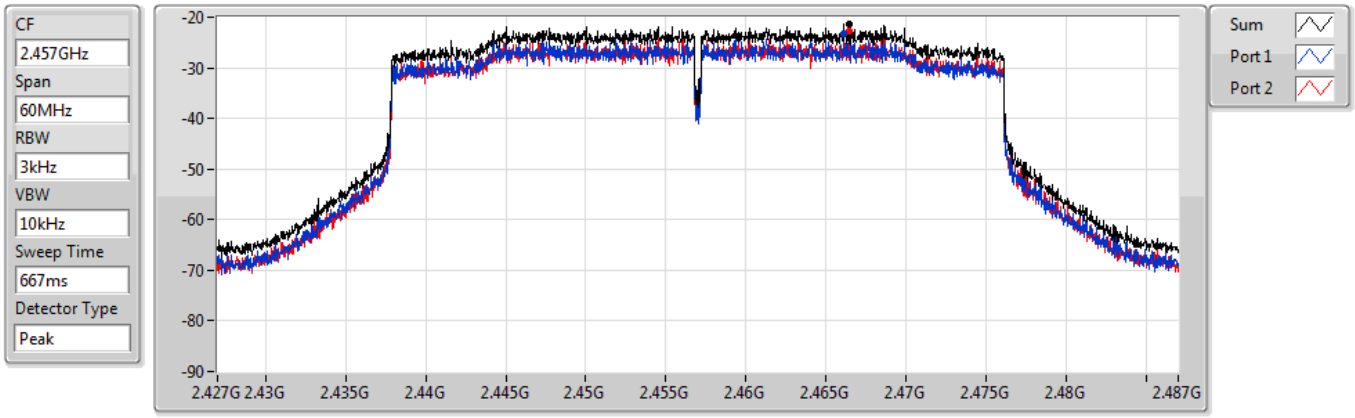
2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.18	-14.18	-15.81	-16.19

802.11ax HEW40_Nss2,(MCS0)_2TX PSD

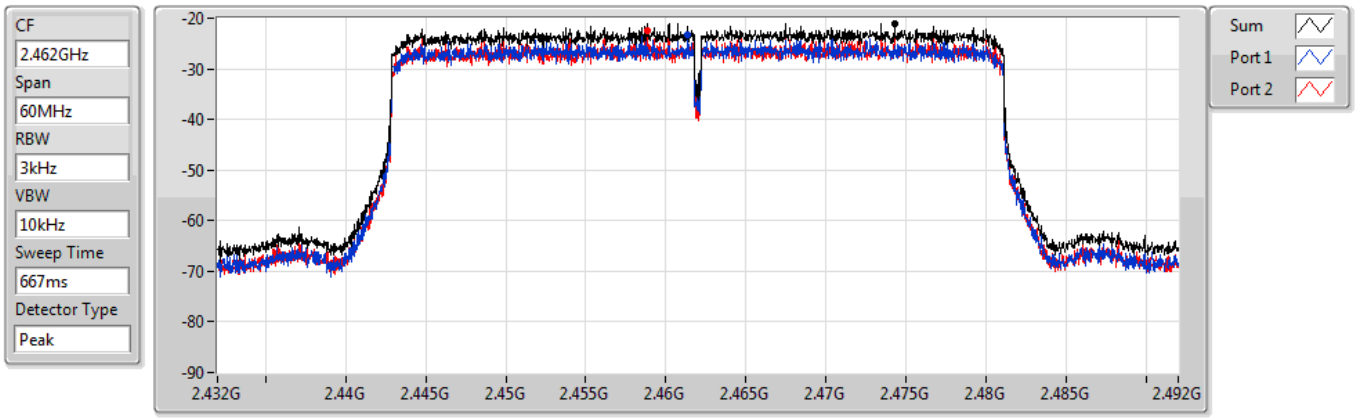
2457MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-21.30	-21.30	-23.22	-22.70

802.11ax HEW40_Nss2,(MCS0)_2TX PSD

2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-21.07	-21.07	-23.20	-22.49

11ax Partial RU mode

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20_RU26_Index3_Nss1,(MCS0)_1TX	-1.17
802.11ax HEW20_RU52_Index38_Nss1,(MCS0)_1TX	-2.28
802.11ax HEW20_RU106_Index53_Nss1,(MCS0)_1TX	-6.18
802.11ax HEW40_RU242_Index61_Nss1,(MCS0)_1TX	-9.91
802.11ax HEW20_RU26_Index3_Nss2,(MCS0)_2TX	-1.27
802.11ax HEW20_RU52_Index38_Nss2,(MCS0)_2TX	-3.34
802.11ax HEW20_RU106_Index53_Nss2,(MCS0)_2TX	-6.36
802.11ax HEW40_RU242_Index61_Nss2,(MCS0)_2TX	-9.64

RBW = 3kHz;

Result

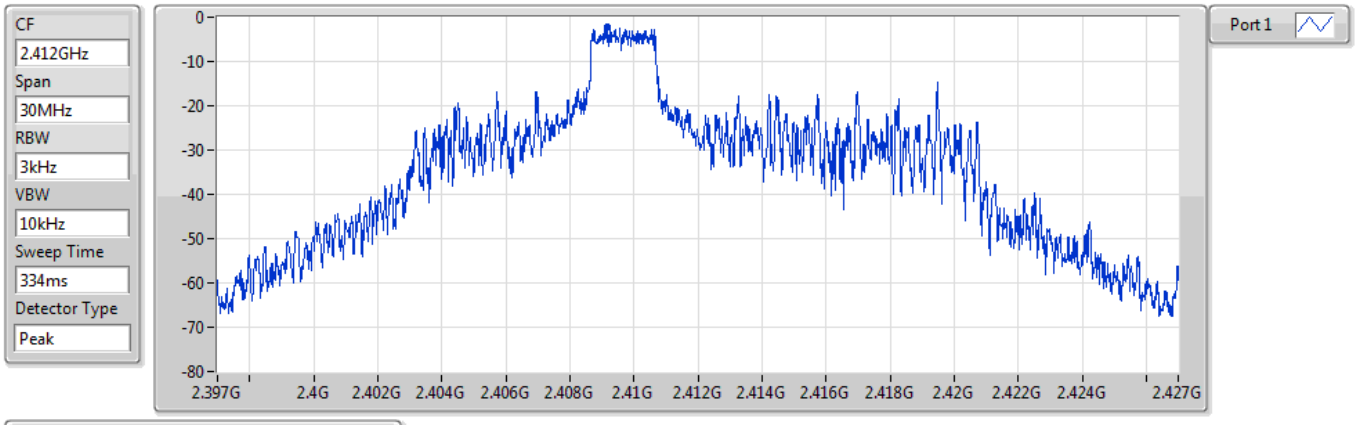
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_RU26_Index3_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-
2412MHz	Pass	2.55	-2.31		-2.31	8.00
2437MHz	Pass	2.55	-1.17		-1.17	8.00
2462MHz	Pass	2.55	-1.31		-1.31	8.00
2467MHz	Pass	2.55	-4.25		-4.25	8.00
2472MHz	Pass	2.55	-8.14		-8.14	8.00
802.11ax HEW20_RU52_Index38_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-
2412MHz	Pass	2.55	-3.59		-3.59	8.00
2437MHz	Pass	2.55	-3.40		-3.40	8.00
2462MHz	Pass	2.55	-2.28		-2.28	8.00
2467MHz	Pass	2.55	-5.90		-5.90	8.00
2472MHz	Pass	2.55	-9.22		-9.22	8.00
802.11ax HEW20_RU106_Index53_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-
2412MHz	Pass	2.55	-6.60		-6.60	8.00
2437MHz	Pass	2.55	-6.86		-6.86	8.00
2462MHz	Pass	2.55	-6.18		-6.18	8.00
2467MHz	Pass	2.55	-6.34		-6.34	8.00
2472MHz	Pass	2.55	-12.01		-12.01	8.00
802.11ax HEW40_RU242_Index61_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-
2422MHz	Pass	2.55	-9.91		-9.91	8.00
2437MHz	Pass	2.55	-10.49		-10.49	8.00
2452MHz	Pass	2.55	-10.32		-10.32	8.00
2457MHz	Pass	2.55	-15.36		-15.36	8.00
2462MHz	Pass	2.55	-14.98		-14.98	8.00
802.11ax HEW20_RU26_Index3_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.62	-4.88	-5.57	-3.41	8.00
2437MHz	Pass	2.62	-5.12	-3.43	-1.52	8.00
2462MHz	Pass	2.62	-2.81	-4.07	-1.27	8.00
2467MHz	Pass	2.62	-10.55	-9.51	-7.49	8.00
2472MHz	Pass	2.62	-11.58	-12.44	-9.21	8.00
802.11ax HEW20_RU52_Index38_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.62	-7.70	-7.25	-5.33	8.00
2437MHz	Pass	2.62	-6.31	-6.39	-3.34	8.00
2462MHz	Pass	2.62	-5.87	-6.65	-4.01	8.00
2467MHz	Pass	2.62	-11.32	-12.08	-9.45	8.00
2472MHz	Pass	2.62	-13.09	-13.83	-10.58	8.00

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_RU106_Index53_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.62	-10.32	-10.63	-7.93	8.00
2437MHz	Pass	2.62	-8.86	-9.09	-7.22	8.00
2462MHz	Pass	2.62	-9.60	-8.44	-6.36	8.00
2467MHz	Pass	2.62	-14.12	-14.97	-12.20	8.00
2472MHz	Pass	2.62	-15.47	-17.00	-14.02	8.00
802.11ax HEW40_RU242_Index61_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	2.62	-12.95	-12.85	-10.63	8.00
2437MHz	Pass	2.62	-12.06	-13.30	-9.64	8.00
2452MHz	Pass	2.62	-12.48	-12.54	-10.64	8.00
2457MHz	Pass	2.62	-20.46	-19.96	-17.20	8.00
2462MHz	Pass	2.62	-20.04	-20.45	-18.17	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;

802.11ax HEW20_RU26_Index3_Nss1,(MCS0)_1TX(Port1) PSD

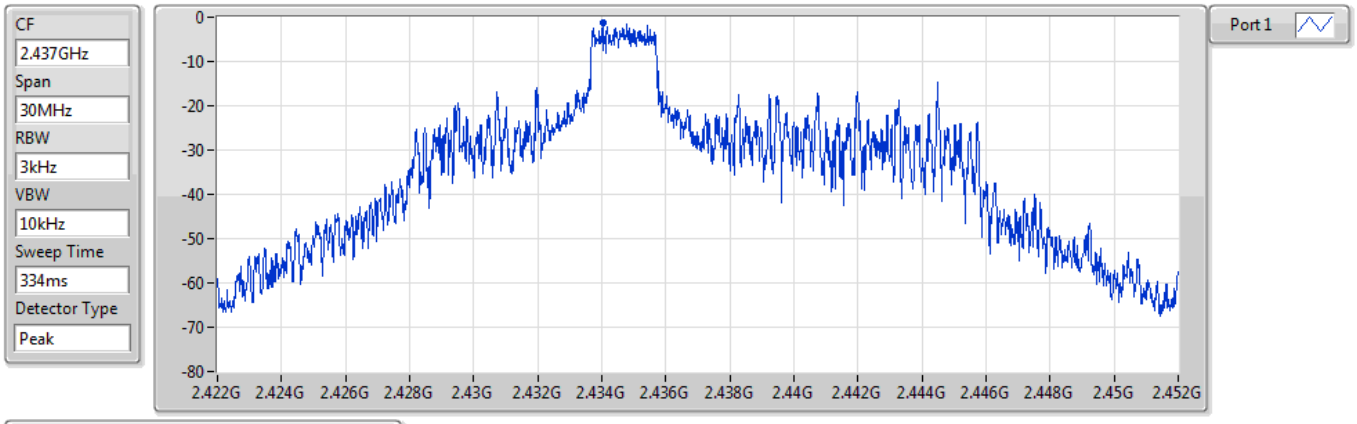
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.31	-2.31	-2.31

802.11ax HEW20_RU26_Index3_Nss1,(MCS0)_1TX(Port1) PSD

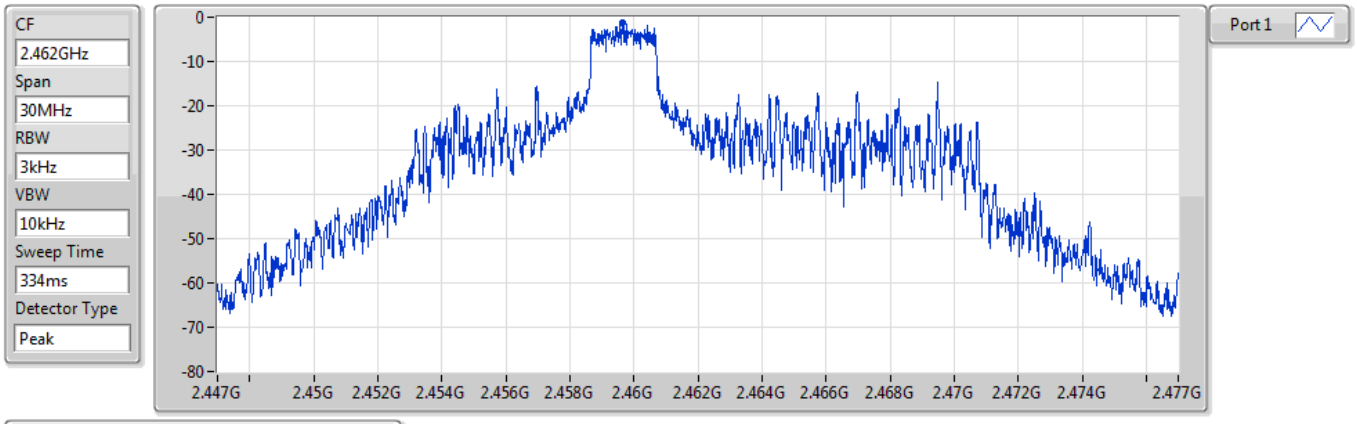
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.17	-1.17	-1.17

802.11ax HEW20_RU26_Index3_Nss1,(MCS0)_1TX(Port1) PSD

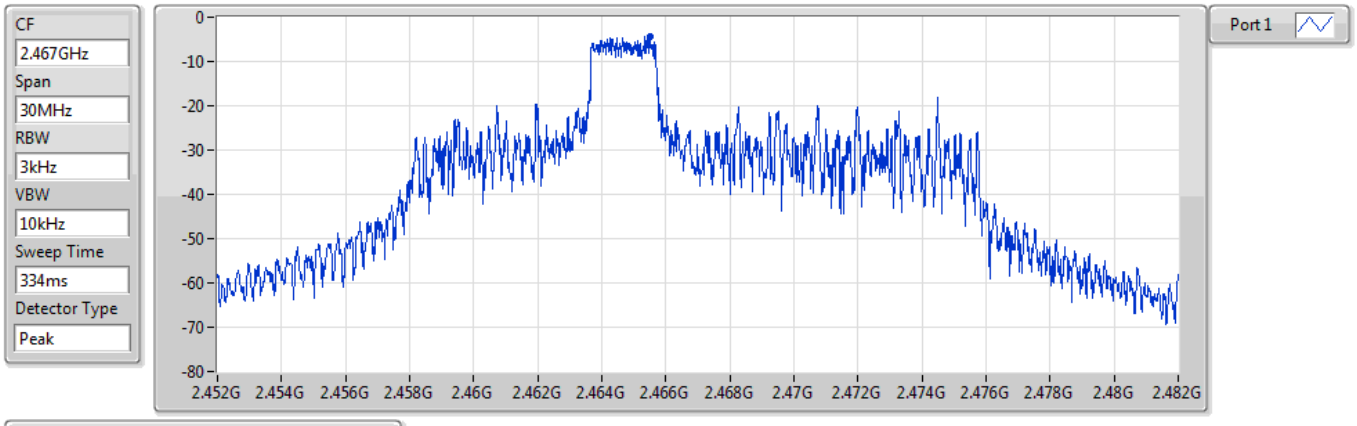
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.31	-1.31	-1.31

802.11ax HEW20_RU26_Index3_Nss1,(MCS0)_1TX(Port1) PSD

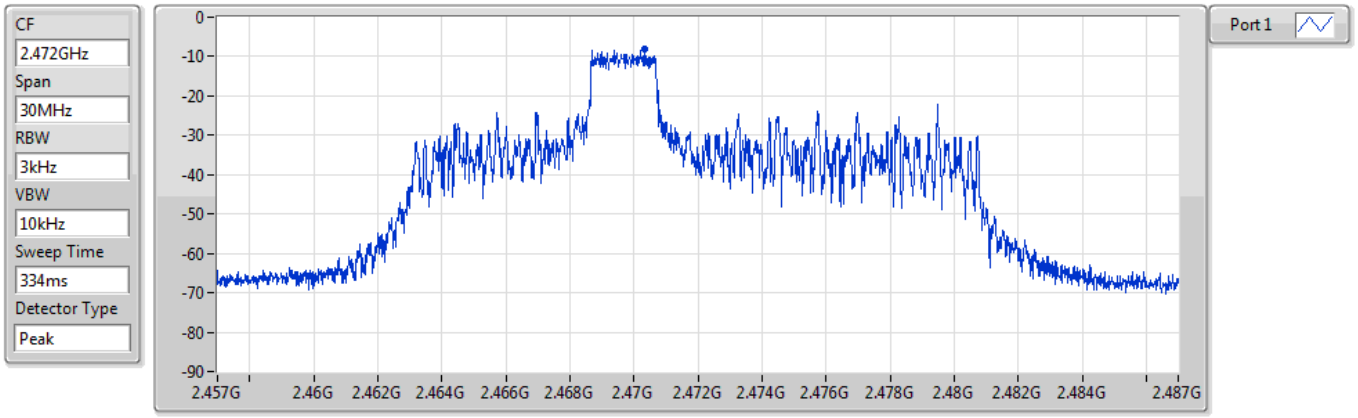
2467MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.25	-4.25	-4.25

802.11ax HEW20_RU26_Index3_Nss1,(MCS0)_1TX(Port1) PSD

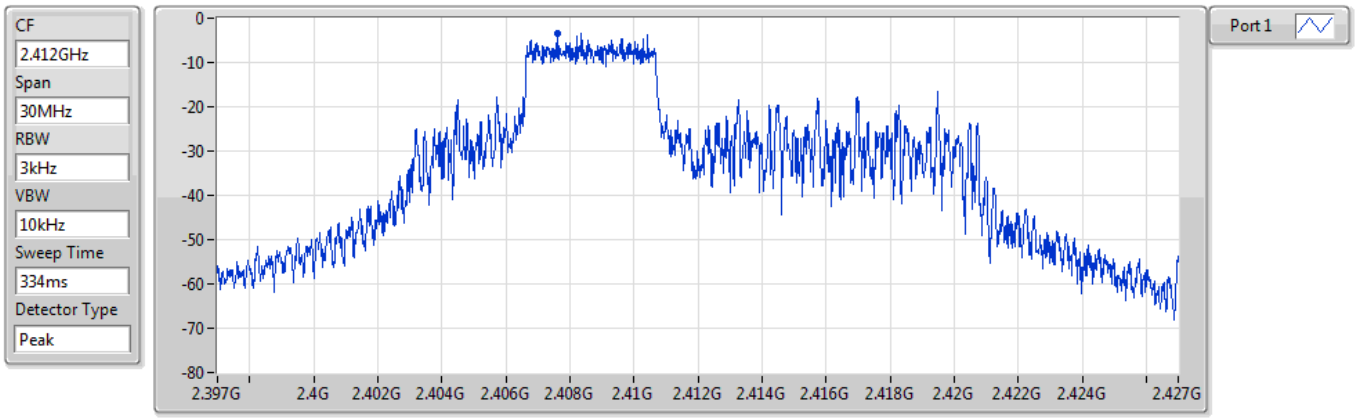
2472MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.14	-8.14	-8.14

802.11ax HEW20_RU52_Index38_Nss1,(MCS0)_1TX(Port1) PSD

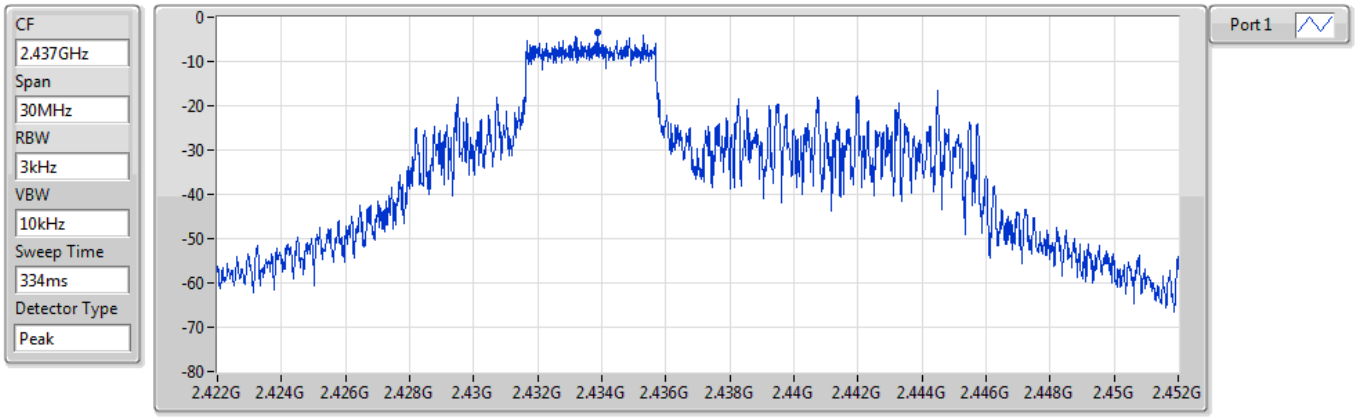
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.59	-3.59	-3.59

802.11ax HEW20_RU52_Index38_Nss1,(MCS0)_1TX(Port1) PSD

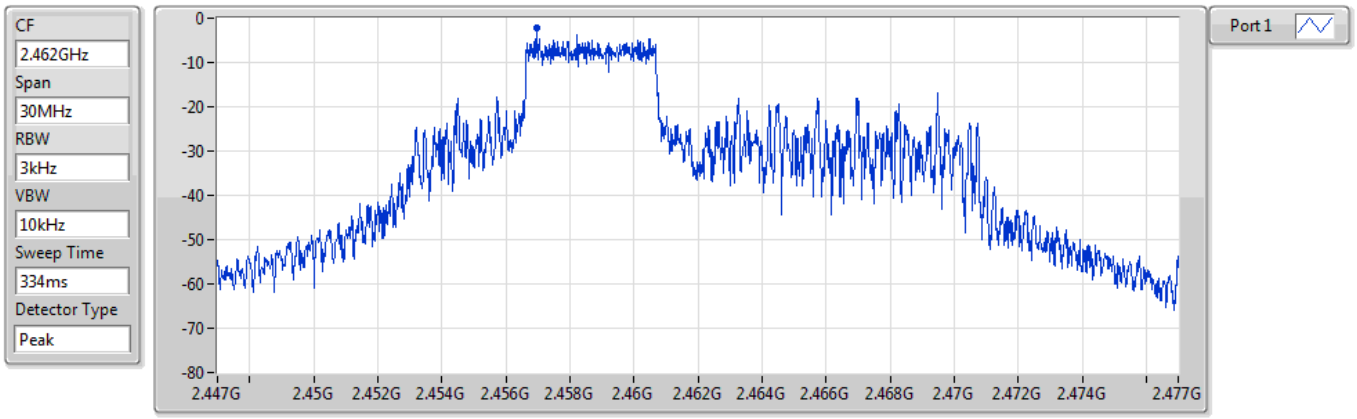
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.40	-3.40	-3.40

802.11ax HEW20_RU52_Index38_Nss1,(MCS0)_1TX(Port1) PSD

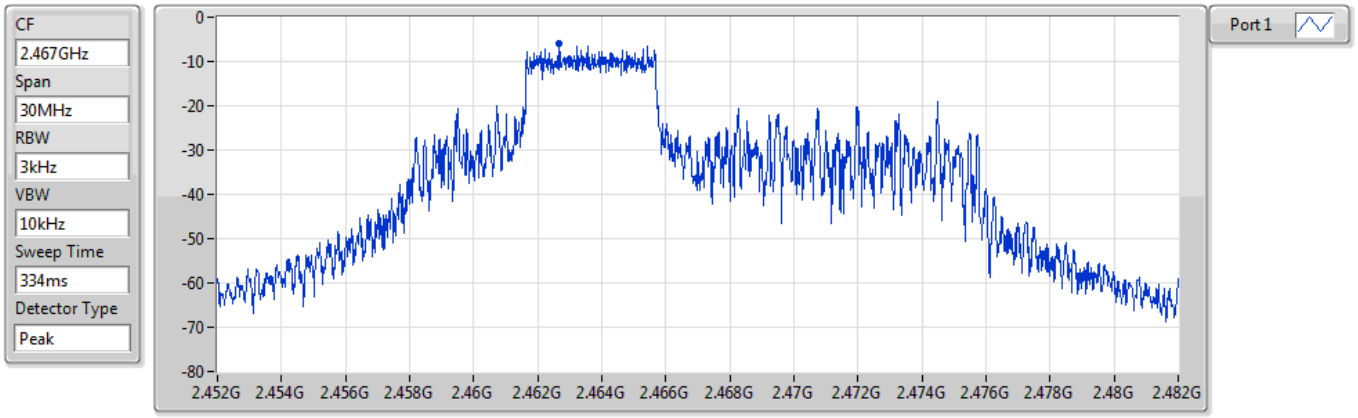
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.28	-2.28	-2.28

802.11ax HEW20_RU52_Index38_Nss1,(MCS0)_1TX(Port1) PSD

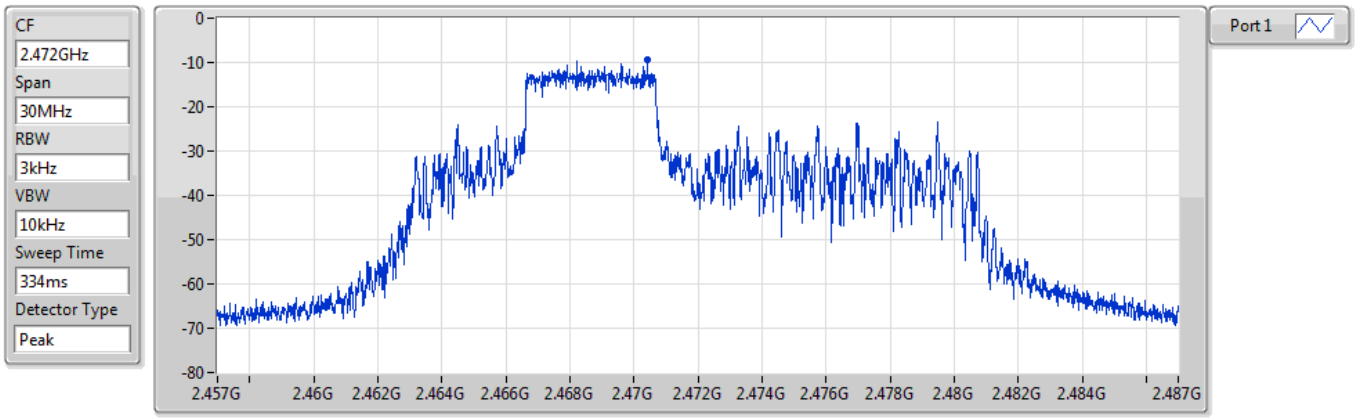
2467MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.90	-5.90	-5.90

802.11ax HEW20_RU52_Index38_Nss1,(MCS0)_1TX(Port1) PSD

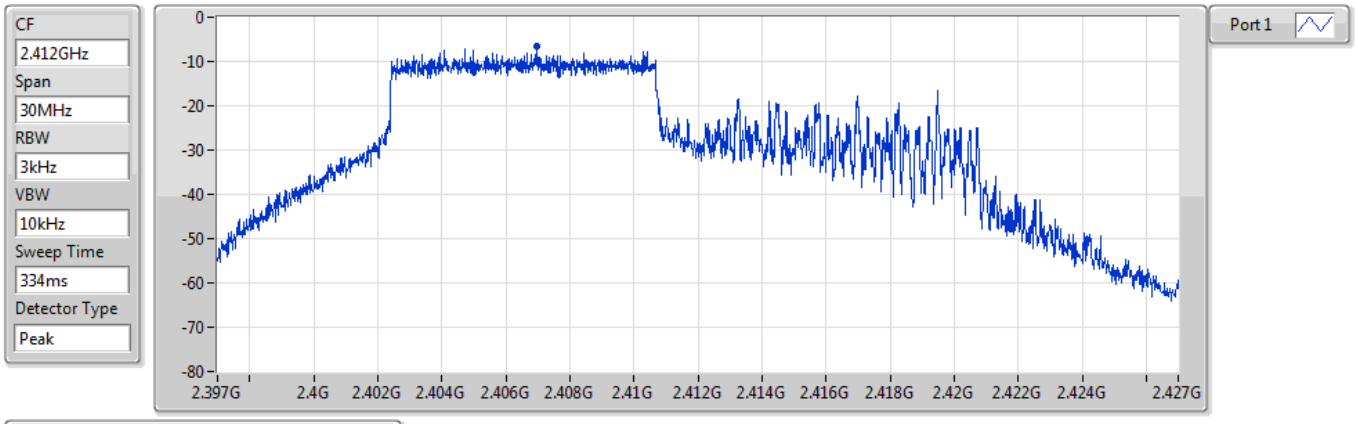
2472MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.22	-9.22	-9.22

802.11ax HEW20_RU106_Index53_Nss1,(MCS0)_1TX(Port1) PSD

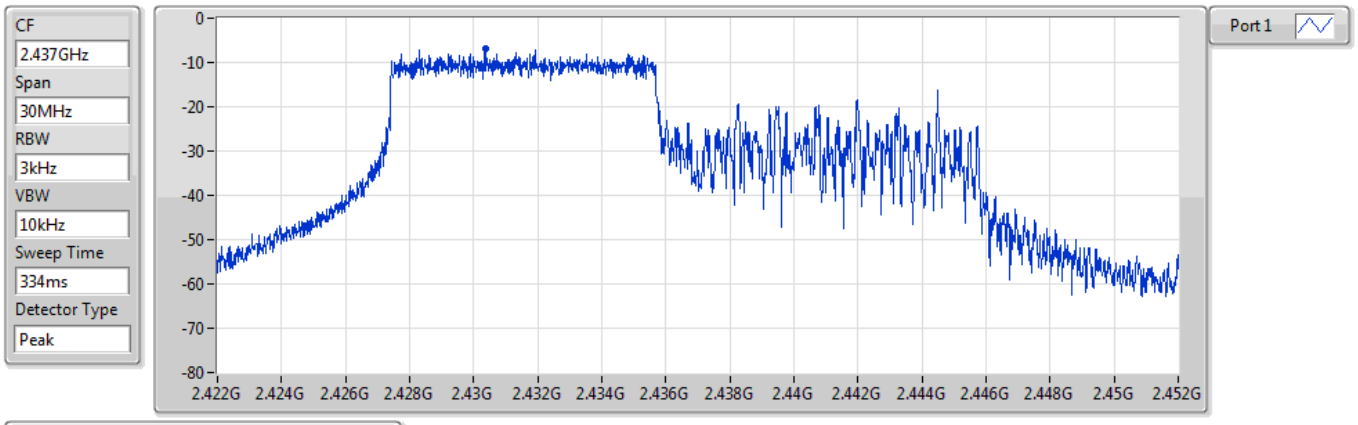
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.60	-6.60	-6.60

802.11ax HEW20_RU106_Index53_Nss1,(MCS0)_1TX(Port1) PSD

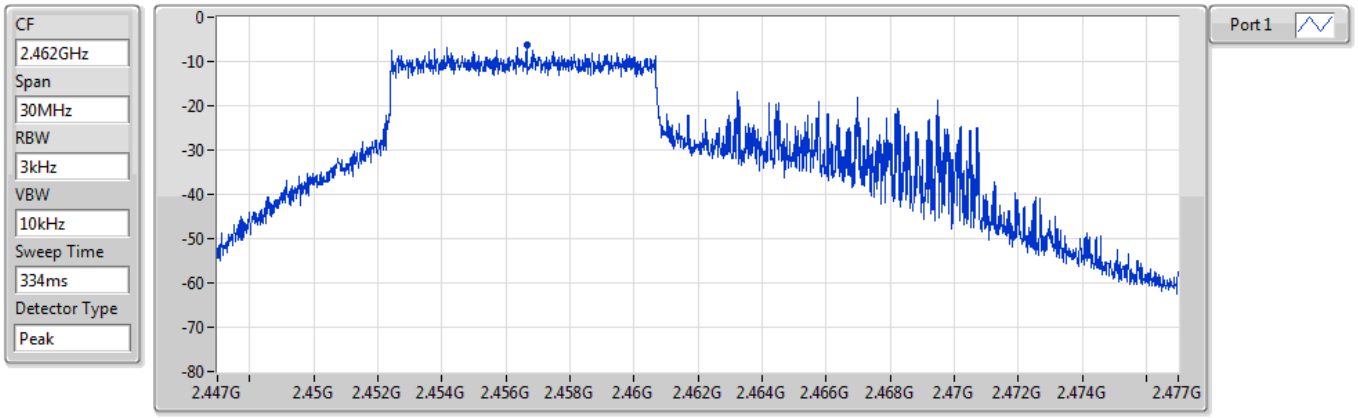
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.86	-6.86	-6.86

802.11ax HEW20_RU106_Index53_Nss1,(MCS0)_1TX(Port1) PSD

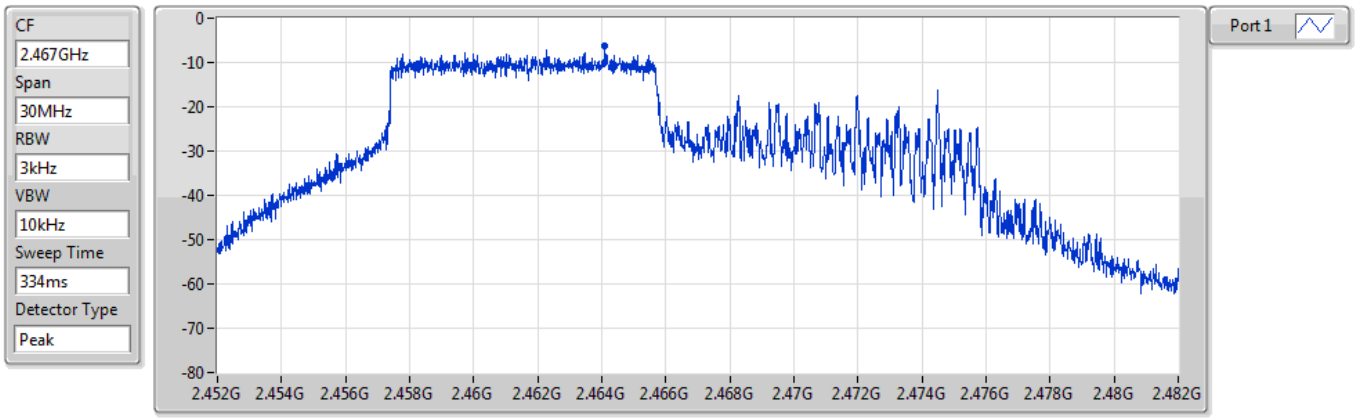
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.18	-6.18	-6.18

802.11ax HEW20_RU106_Index53_Nss1,(MCS0)_1TX(Port1) PSD

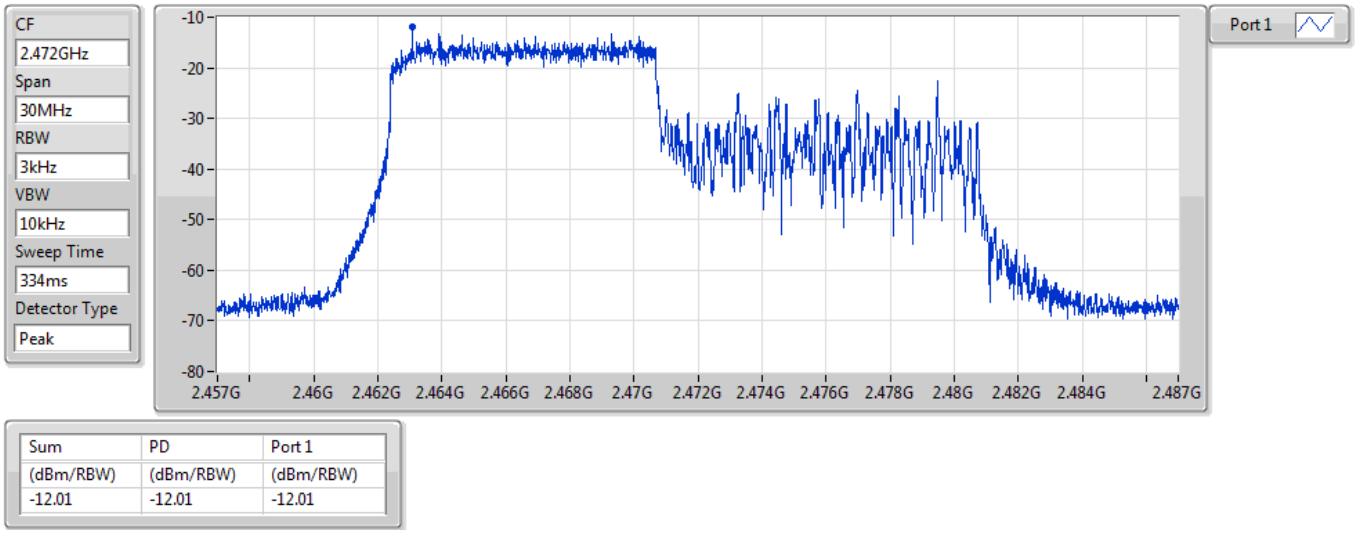
2467MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.34	-6.34	-6.34

802.11ax HEW20_RU106_Index53_Nss1,(MCS0)_1TX(Port1) PSD

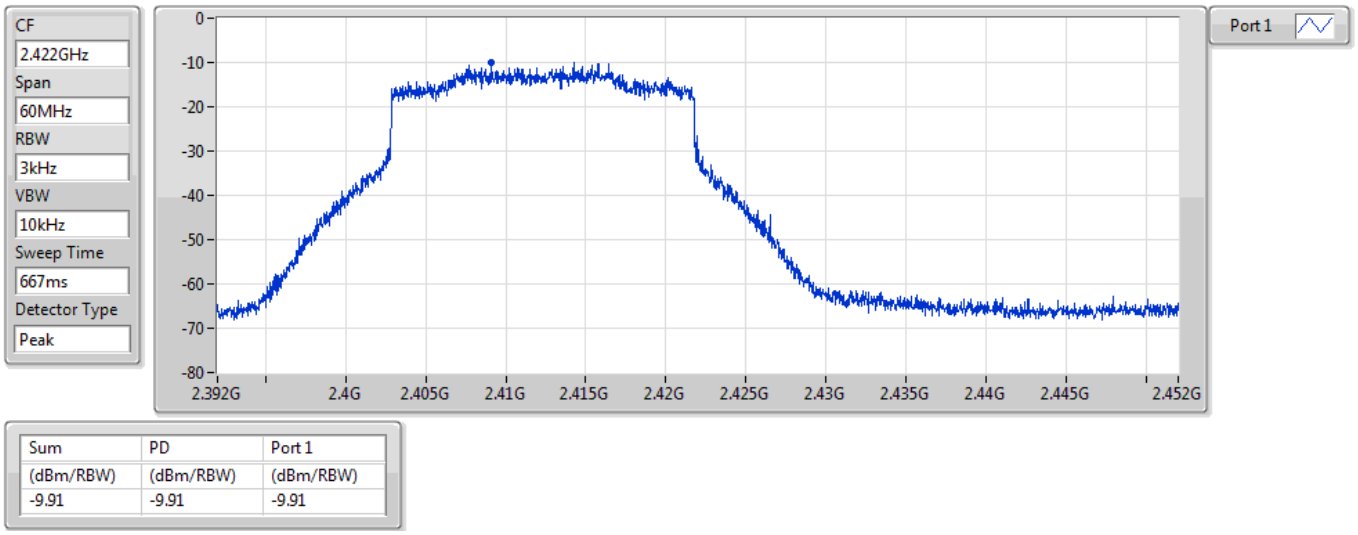
2472MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.01	-12.01	-12.01

802.11ax HEW40_RU242_Index61_Nss1,(MCS0)_1TX(Port1) PSD

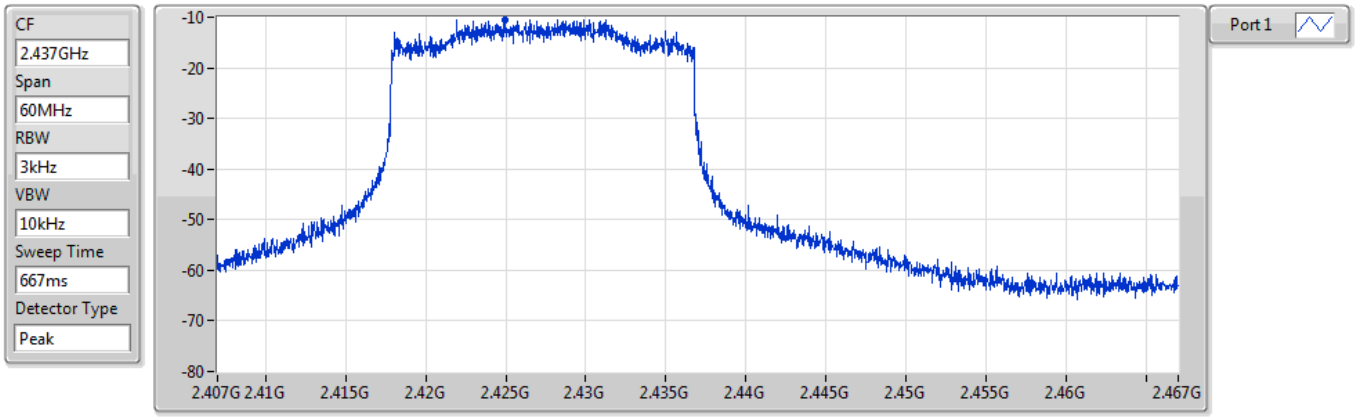
2422MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.91	-9.91	-9.91

802.11ax HEW40_RU242_Index61_Nss1,(MCS0)_1TX(Port1) PSD

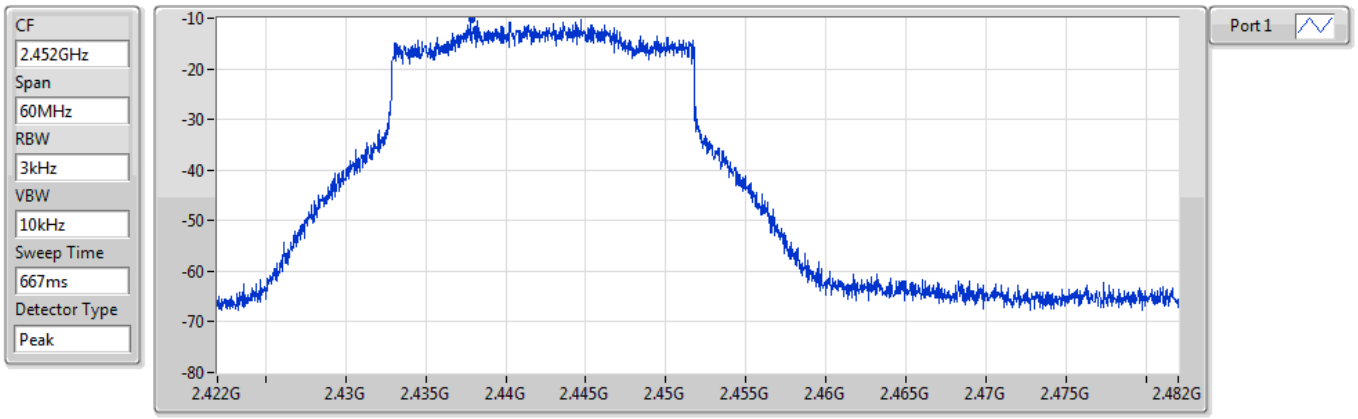
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.49	-10.49	-10.49

802.11ax HEW40_RU242_Index61_Nss1,(MCS0)_1TX(Port1) PSD

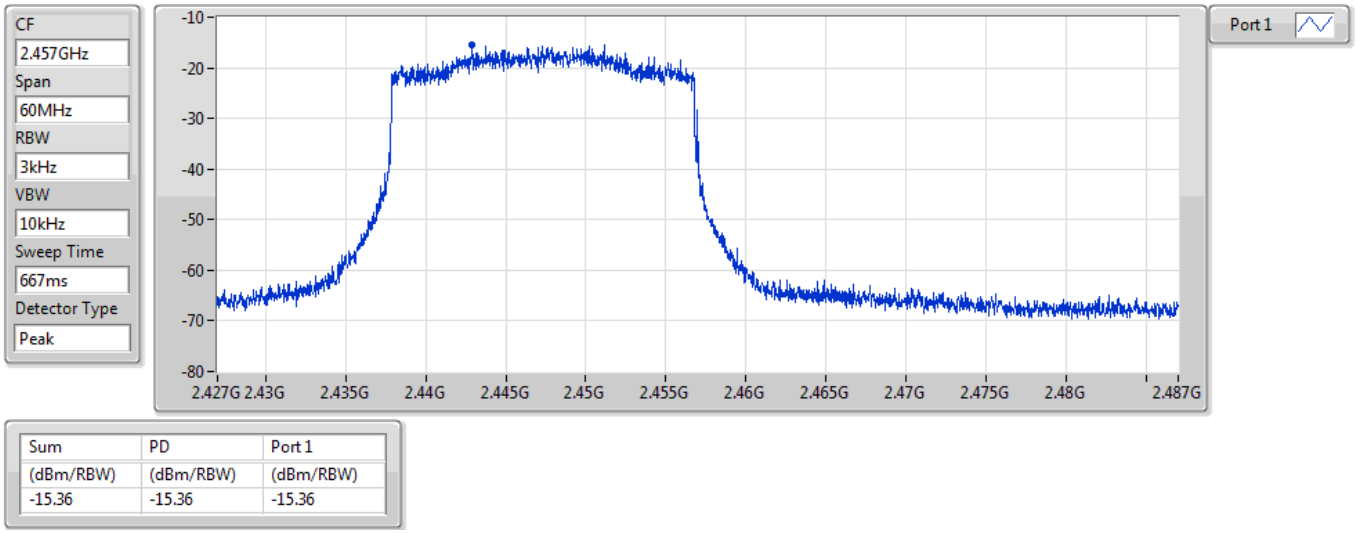
2452MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.32	-10.32	-10.32

802.11ax HEW40_RU242_Index61_Nss1,(MCS0)_1TX(Port1) PSD

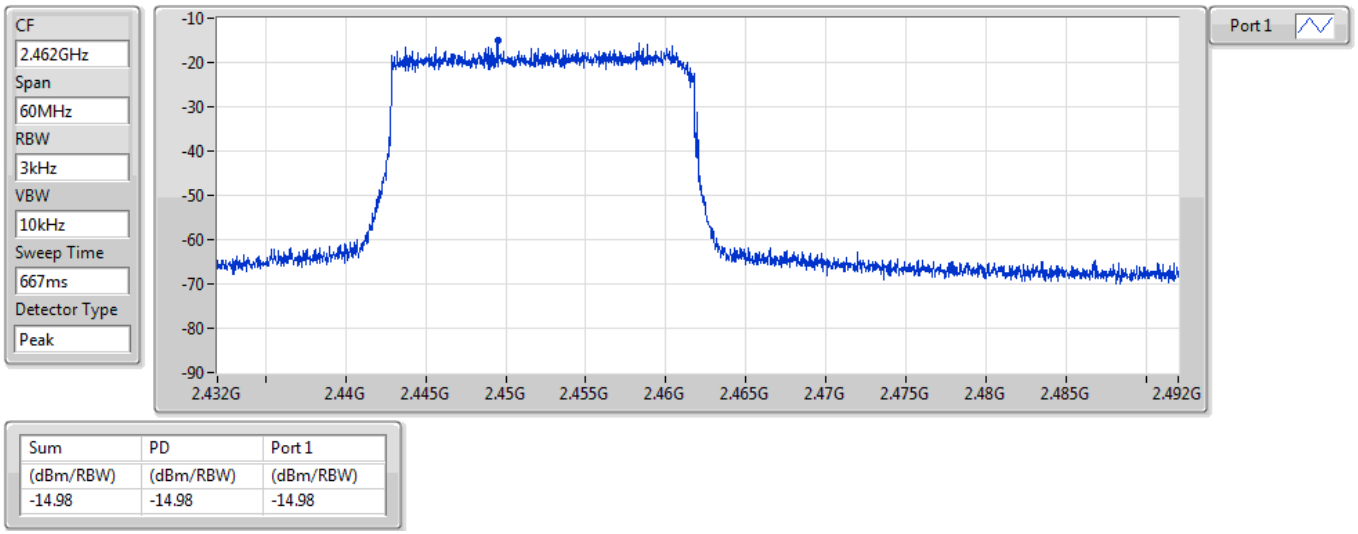
2457MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-15.36	-15.36	-15.36

802.11ax HEW40_RU242_Index61_Nss1,(MCS0)_1TX(Port1) PSD

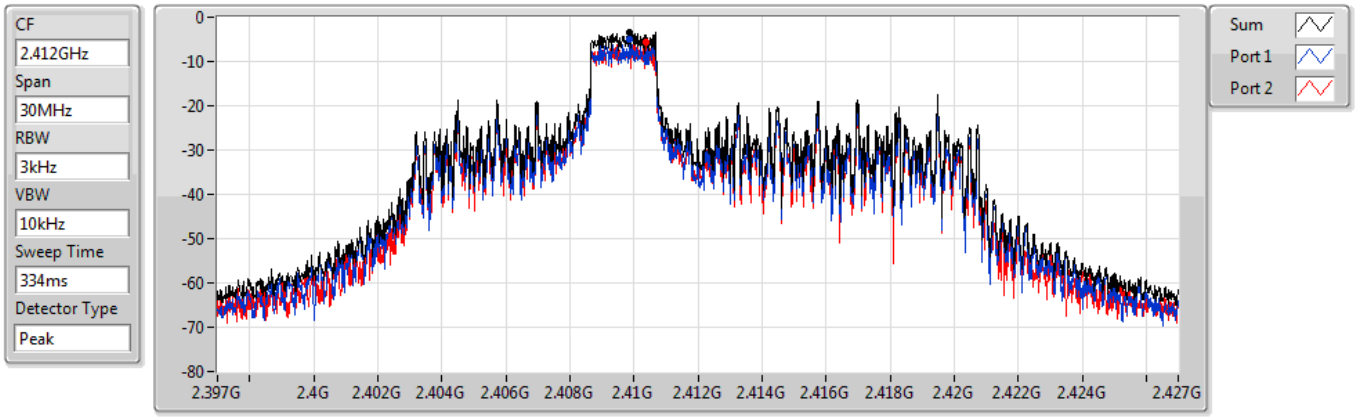
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.98	-14.98	-14.98

802.11ax HEW20_RU26_Index3_Nss2,(MCS0)_2TX PSD

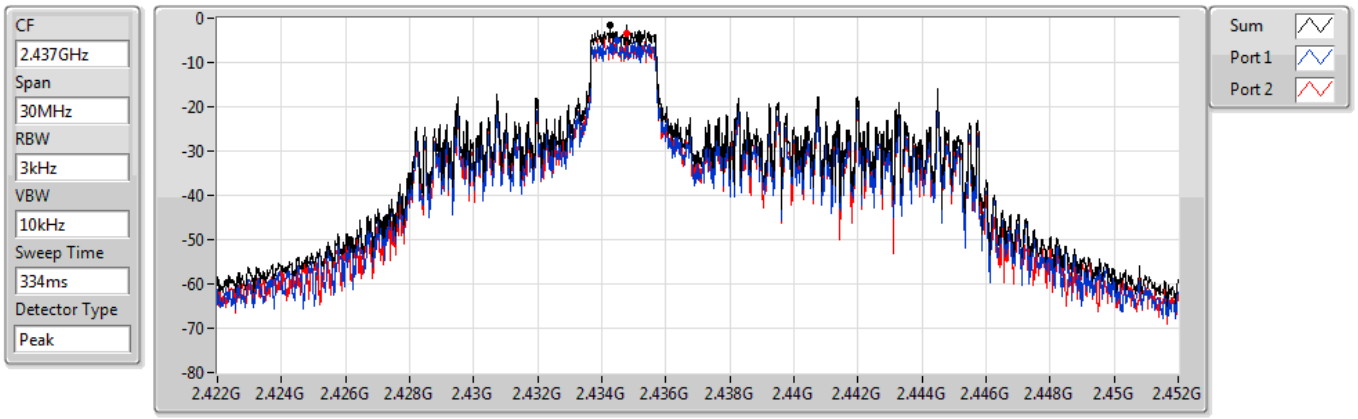
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.41	-3.41	-4.88	-5.57

802.11ax HEW20_RU26_Index3_Nss2,(MCS0)_2TX PSD

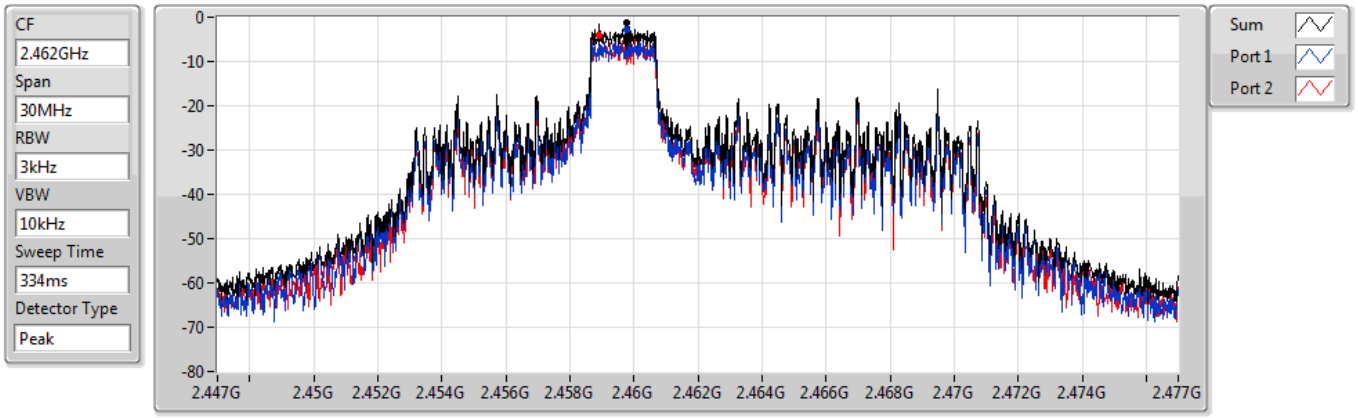
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.52	-1.52	-5.12	-3.43

802.11ax HEW20_RU26_Index3_Nss2,(MCS0)_2TX PSD

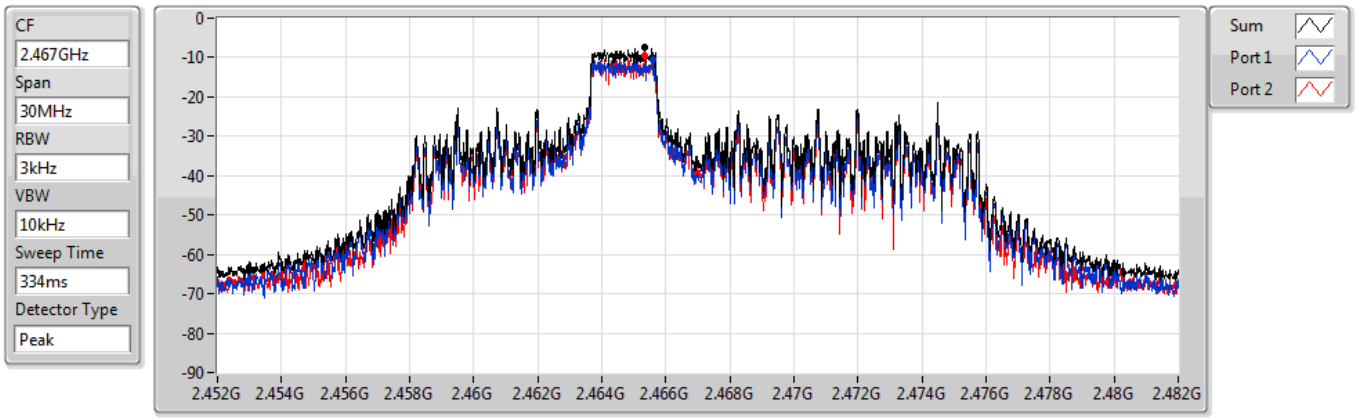
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.27	-1.27	-2.81	-4.07

802.11ax HEW20_RU26_Index3_Nss2,(MCS0)_2TX PSD

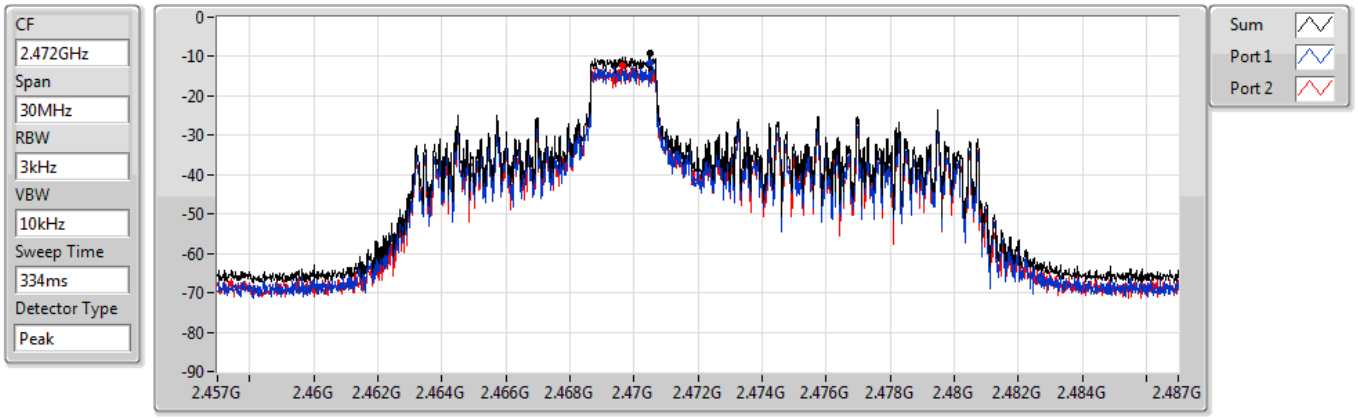
2467MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.49	-7.49	-10.55	-9.51

802.11ax HEW20_RU26_Index3_Nss2,(MCS0)_2TX PSD

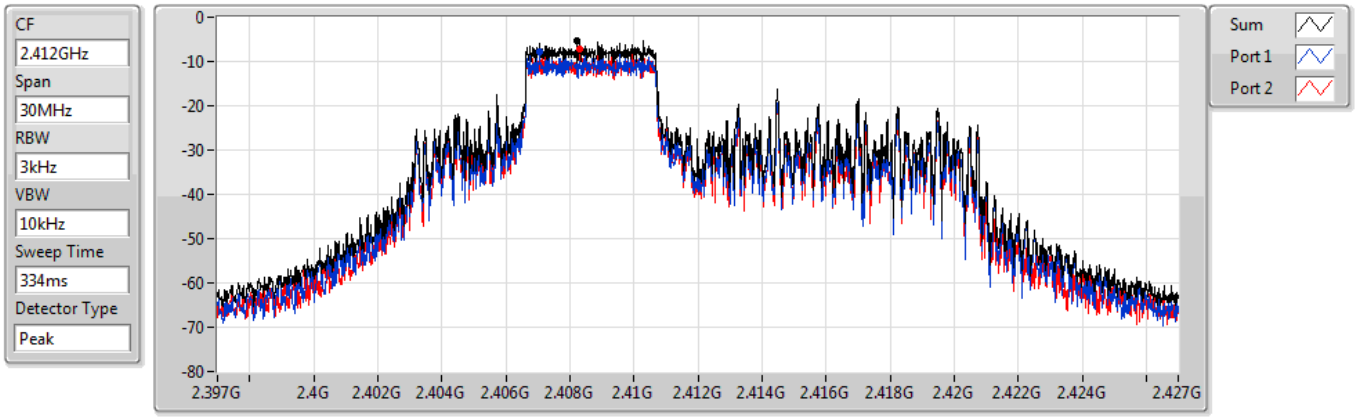
2472MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.21	-9.21	-11.58	-12.44

802.11ax HEW20_RU52_Index38_Nss2,(MCS0)_2TX PSD

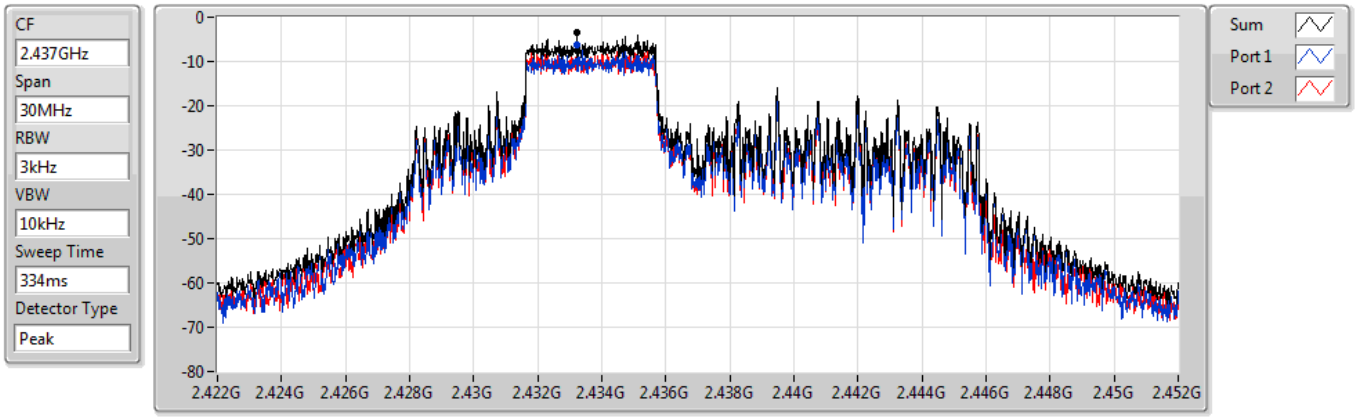
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.33	-5.33	-7.70	-7.25

802.11ax HEW20_RU52_Index38_Nss2,(MCS0)_2TX PSD

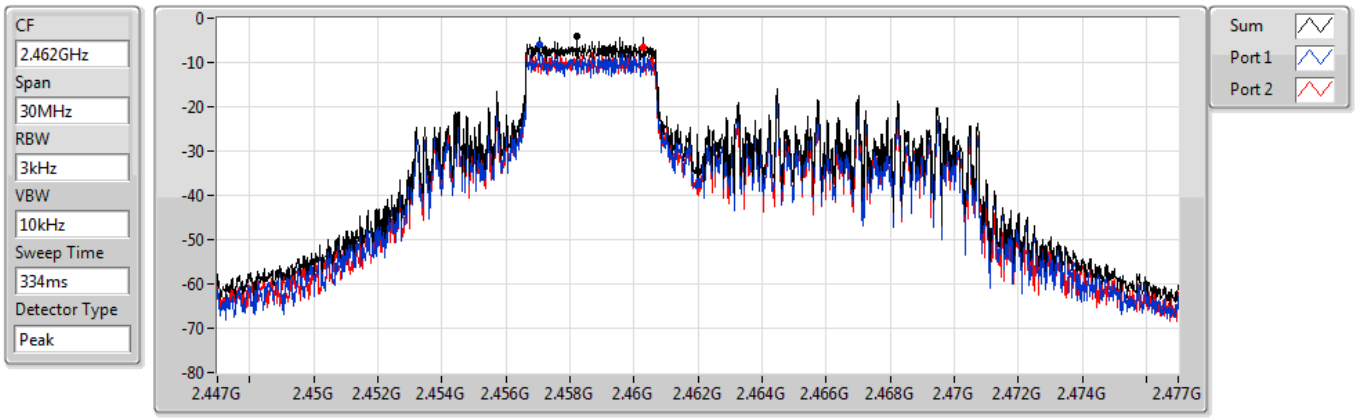
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.34	-3.34	-6.31	-6.39

802.11ax HEW20_RU52_Index38_Nss2,(MCS0)_2TX PSD

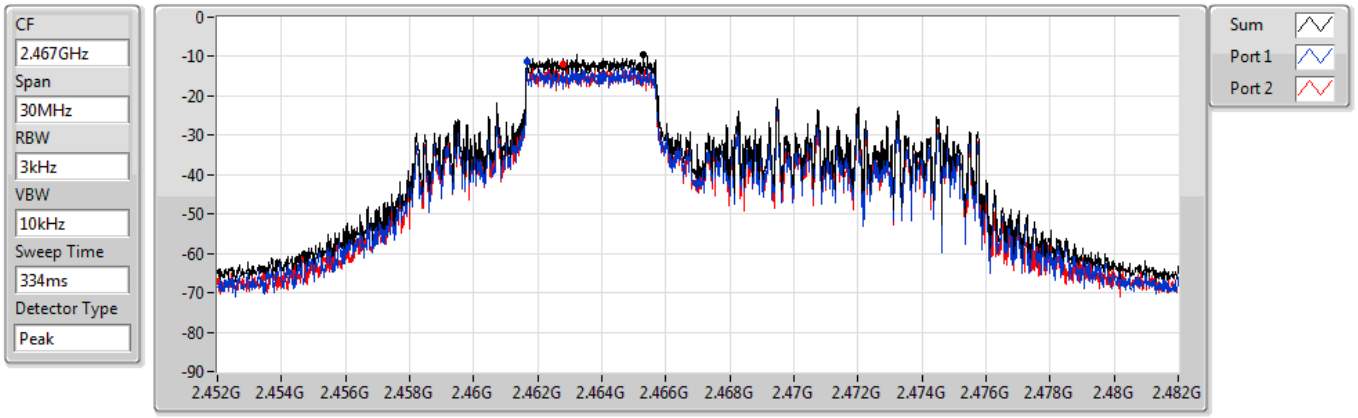
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.01	-4.01	-5.87	-6.65

802.11ax HEW20_RU52_Index38_Nss2,(MCS0)_2TX PSD

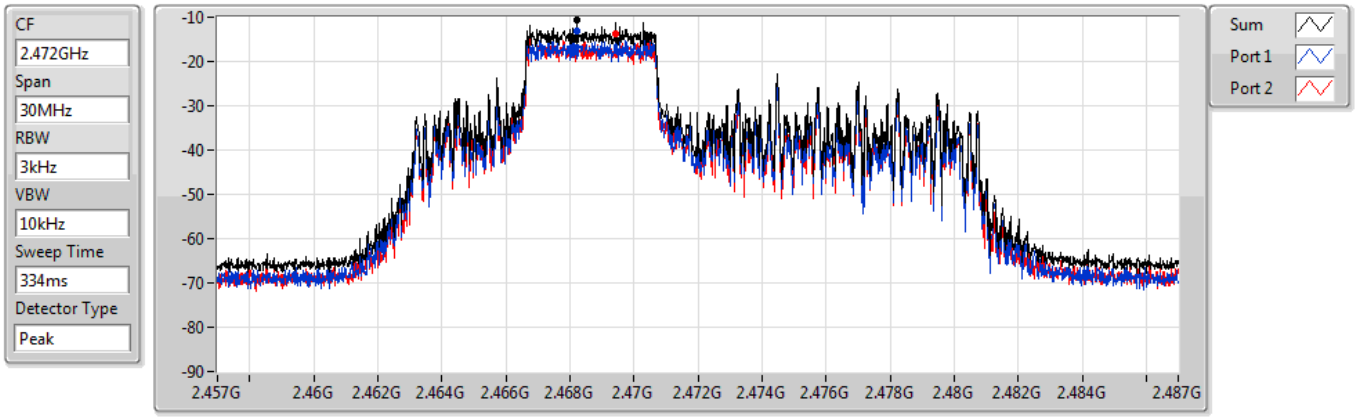
2467MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.45	-9.45	-11.32	-12.08

802.11ax HEW20_RU52_Index38_Nss2,(MCS0)_2TX PSD

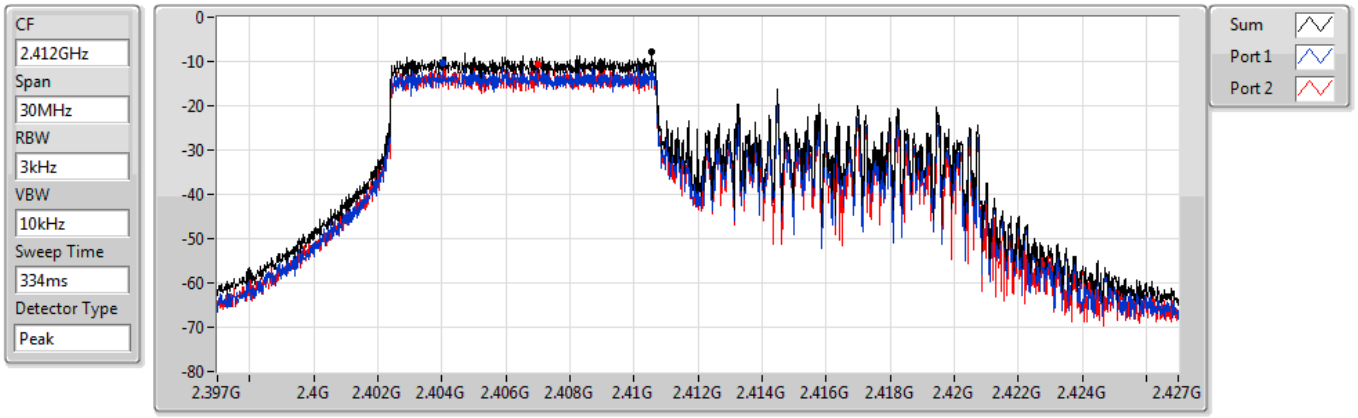
2472MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.58	-10.58	-13.09	-13.83

802.11ax HEW20_RU106_Index53_Nss2,(MCS0)_2TX PSD

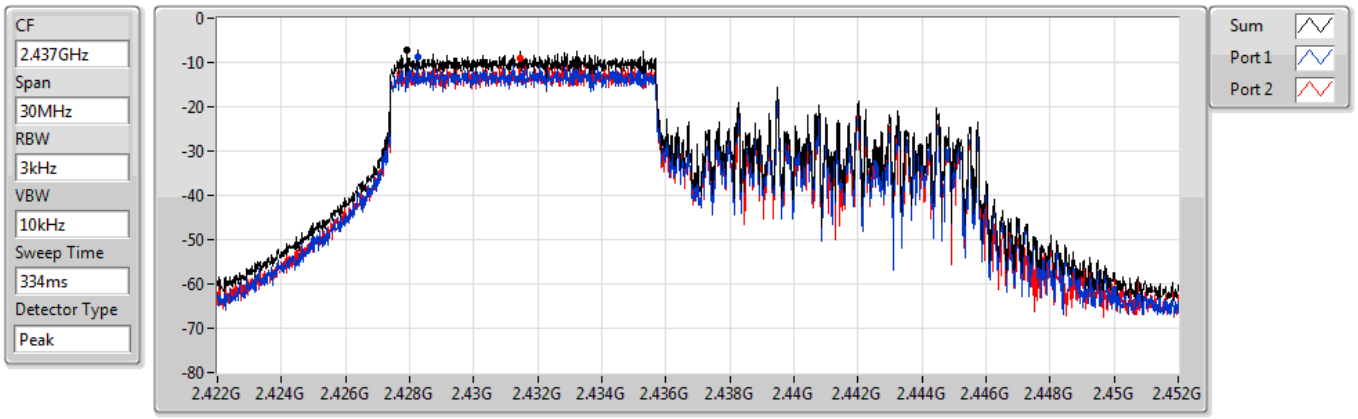
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.93	-7.93	-10.32	-10.63

802.11ax HEW20_RU106_Index53_Nss2,(MCS0)_2TX PSD

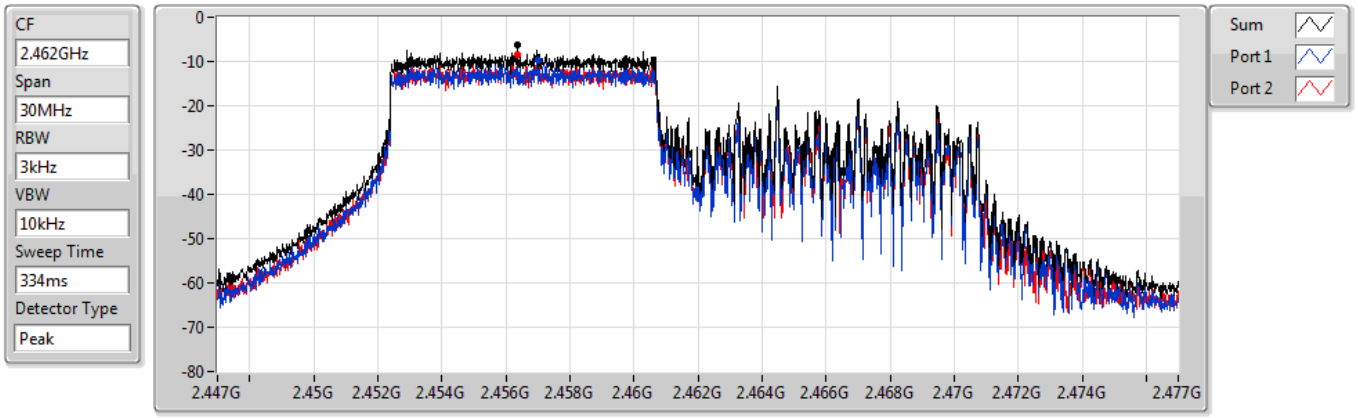
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.22	-7.22	-8.86	-9.09

802.11ax HEW20_RU106_Index53_Nss2,(MCS0)_2TX PSD

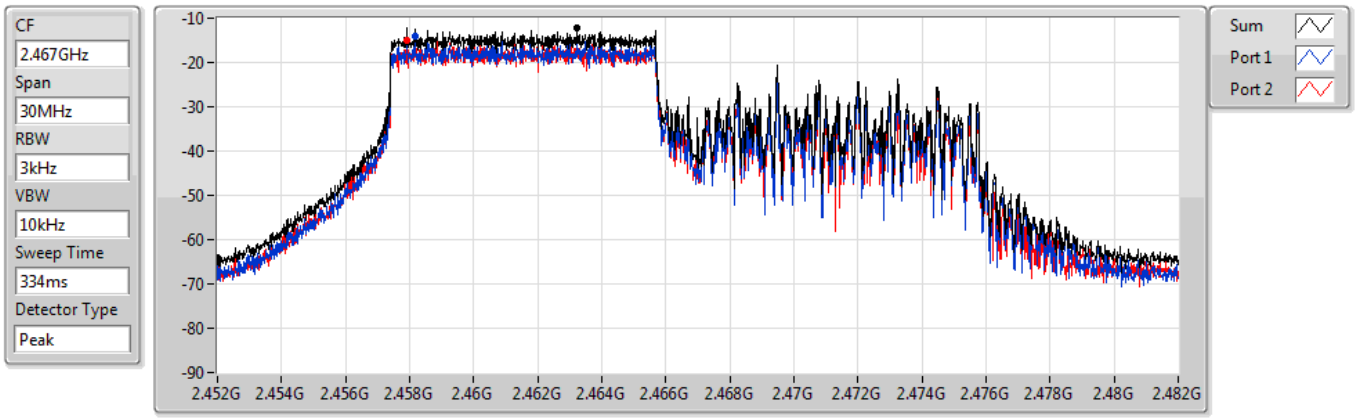
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.36	-6.36	-9.60	-8.44

802.11ax HEW20_RU106_Index53_Nss2,(MCS0)_2TX PSD

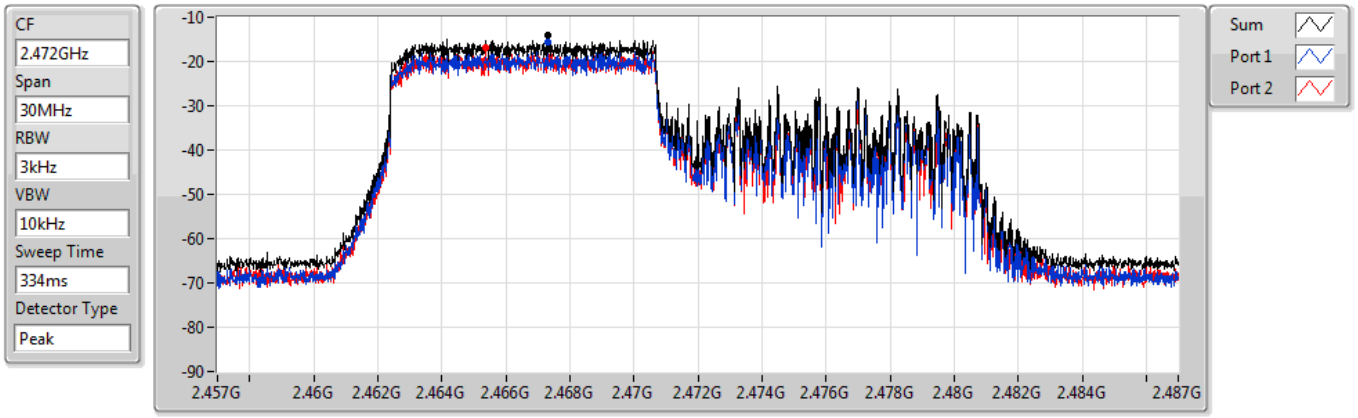
2467MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.20	-12.20	-14.12	-14.97

802.11ax HEW20_RU106_Index53_Nss2,(MCS0)_2TX PSD

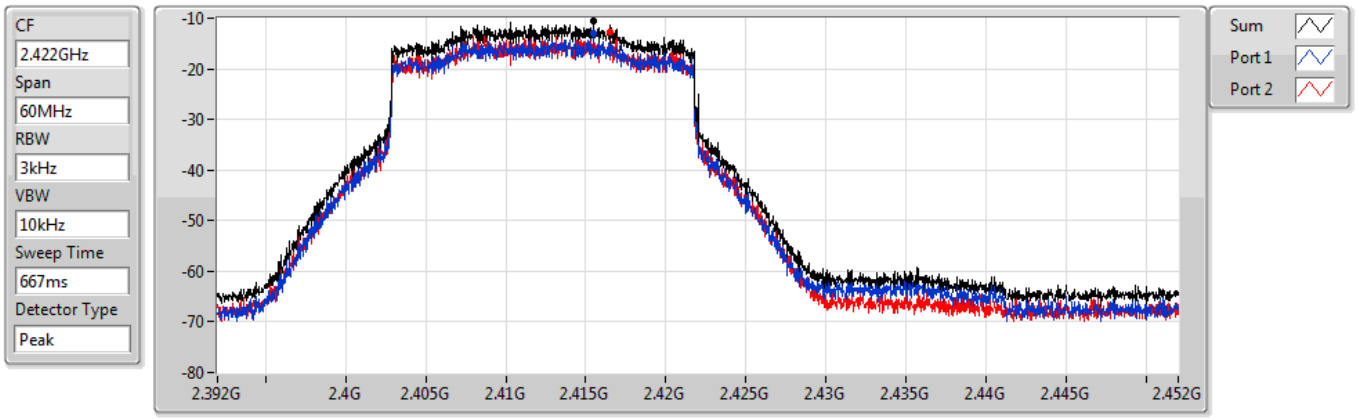
2472MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.02	-14.02	-15.47	-17.00

802.11ax HEW40_RU242_Index61_Nss2,(MCS0)_2TX PSD

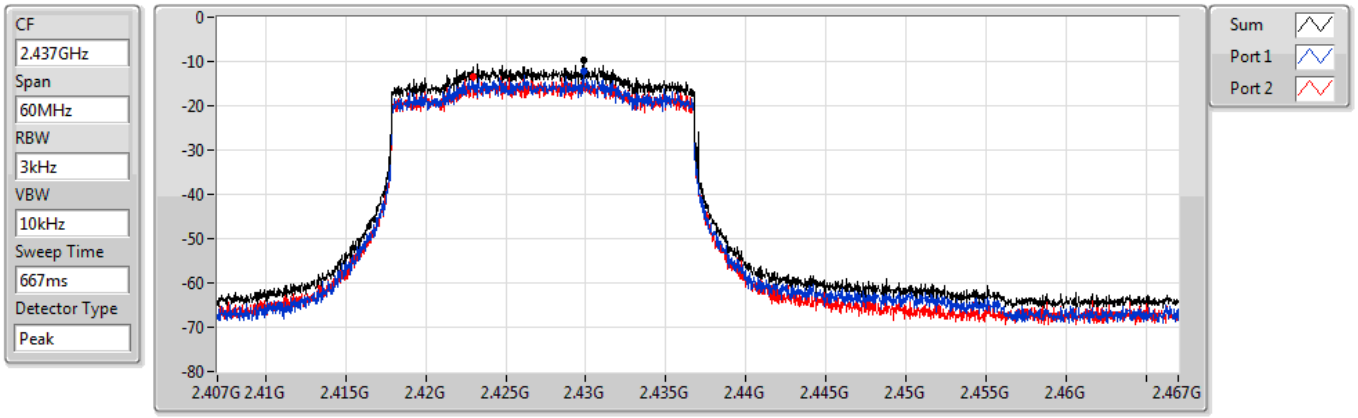
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.63	-10.63	-12.95	-12.85

802.11ax HEW40_RU242_Index61_Nss2,(MCS0)_2TX PSD

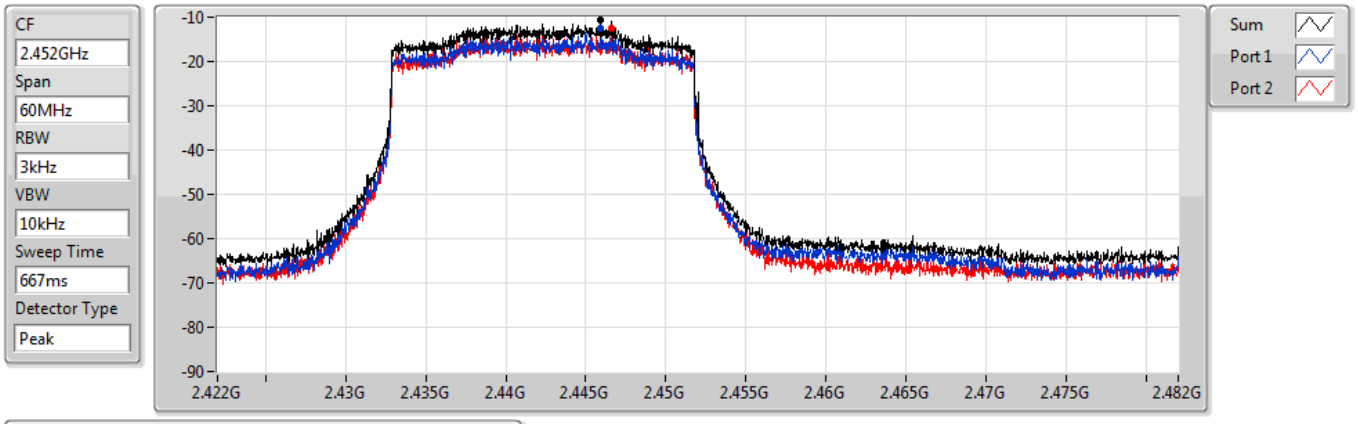
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.64	-9.64	-12.06	-13.30

802.11ax HEW40_RU242_Index61_Nss2,(MCS0)_2TX PSD

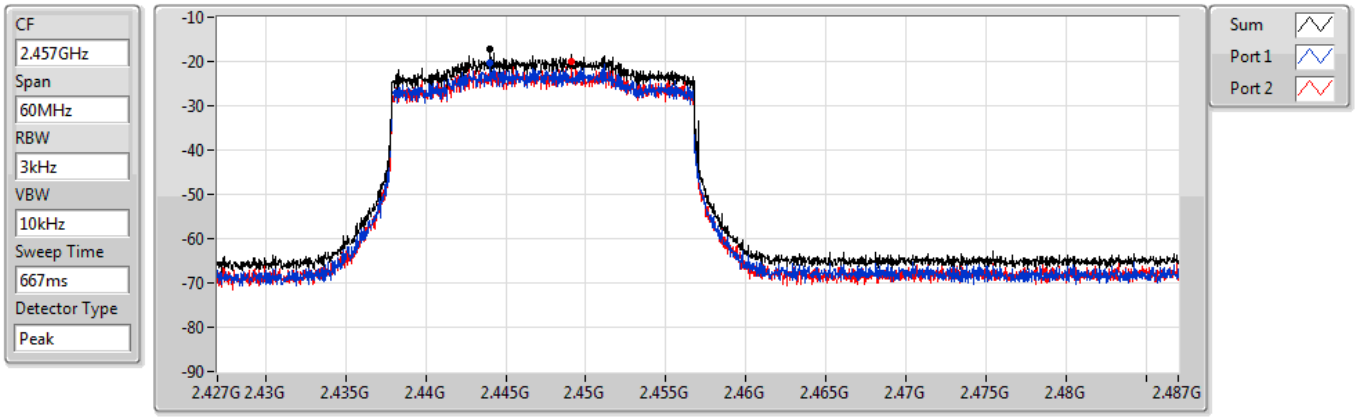
2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.64	-10.64	-12.48	-12.54

802.11ax HEW40_RU242_Index61_Nss2,(MCS0)_2TX PSD

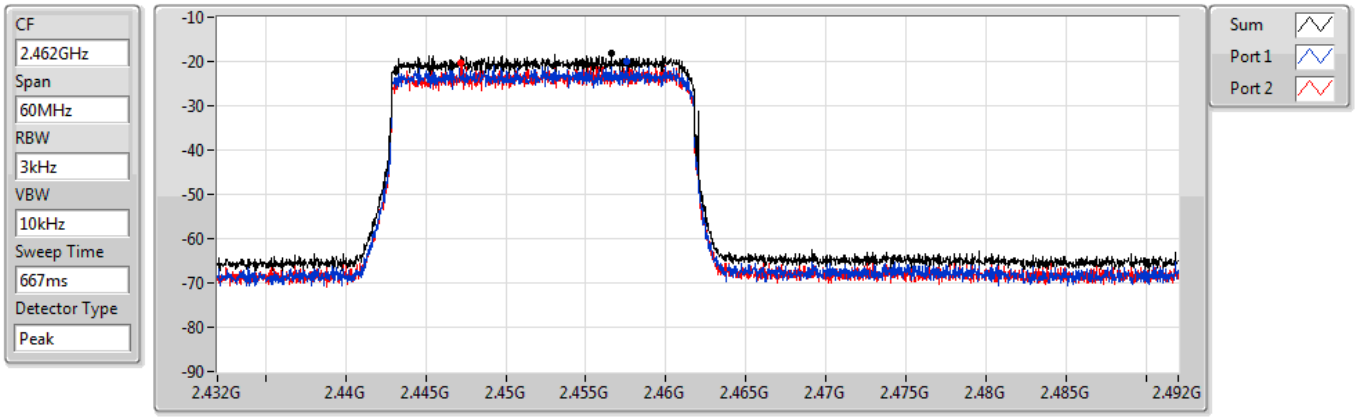
2457MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-17.20	-17.20	-20.46	-19.96

802.11ax HEW40_RU242_Index61_Nss2,(MCS0)_2TX PSD

2462MHz



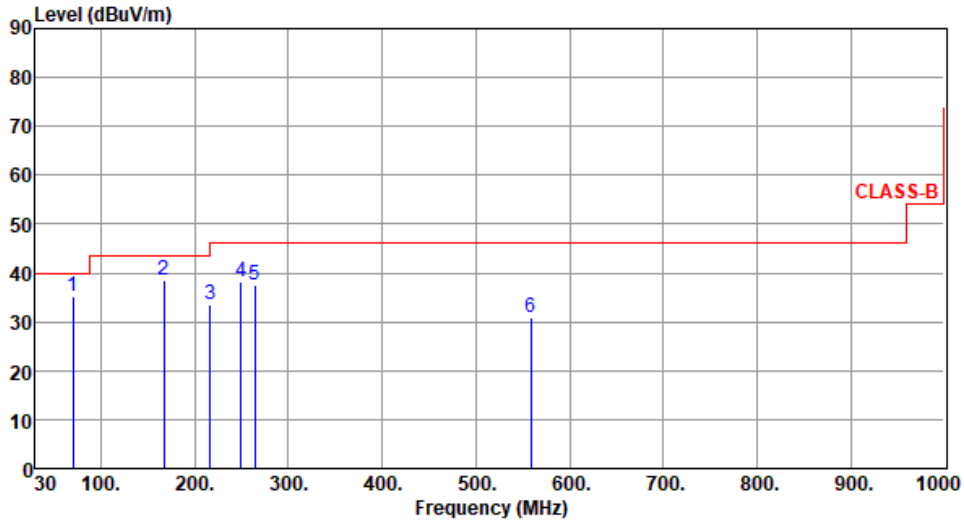
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-18.17	-18.17	-20.04	-20.45

Configuration 1: 1Tx, port 1, AYF6Y-100184 antenna

Unwanted Emissions (Below 1GHz)

Modulation	11b	**Test Freq. (MHz)**	2437
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

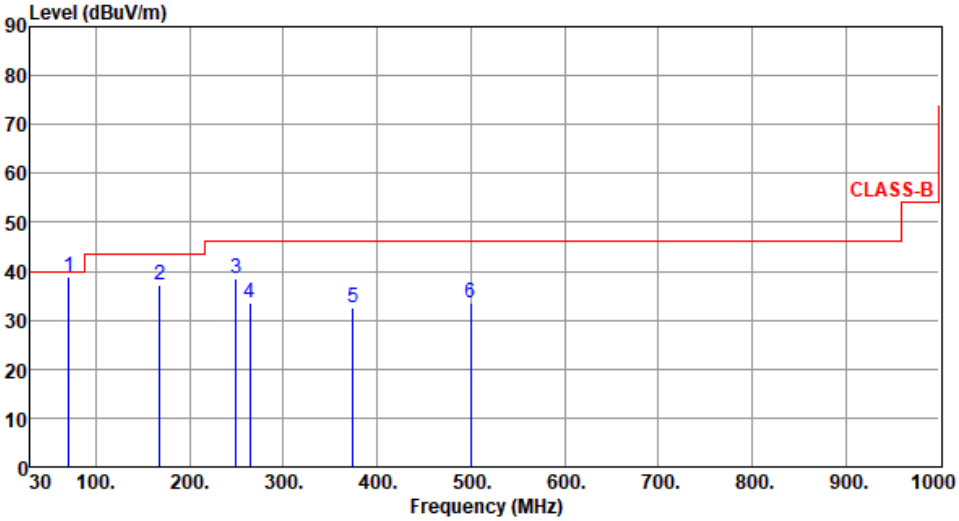


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	70.49	35.21	40.00	-4.79	46.19	-10.98	Peak	---	---
2	167.58	38.46	43.50	-5.04	47.42	-8.96	Peak	---	---
3	216.28	33.45	46.00	-12.55	45.39	-11.94	Peak	---	---
4	249.21	38.21	46.00	-7.79	48.29	-10.08	Peak	---	---
5	264.58	37.49	46.00	-8.51	46.94	-9.45	Peak	---	---
6	559.12	30.81	46.00	-15.19	32.98	-2.17	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).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	11b	**Test Freq. (MHz)**	2437
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):23 Humidity(%):65



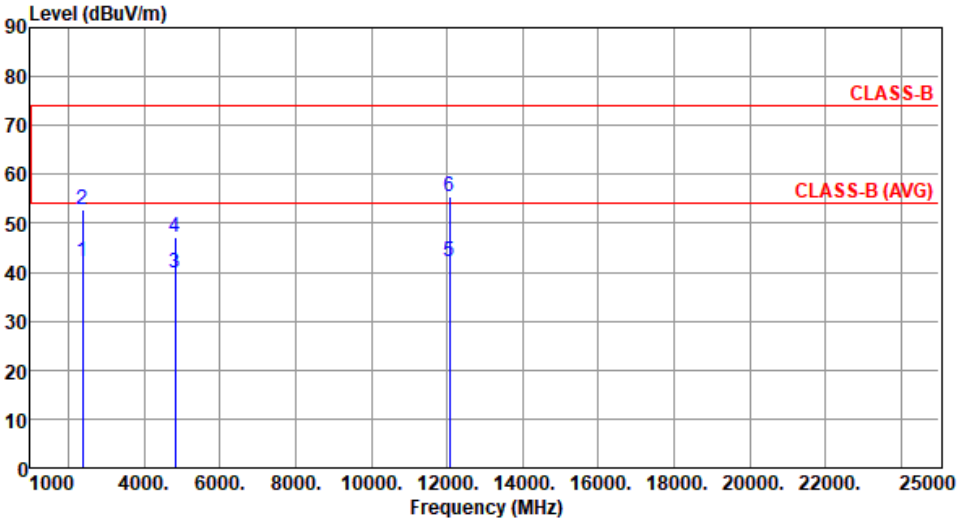
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	71.45	38.78	40.00	-1.22	49.89	-11.11	QP	113	260
2	167.64	37.06	43.50	-6.44	46.02	-8.96	Peak	---	---
3	249.13	38.54	46.00	-7.46	48.62	-10.08	Peak	---	---
4	264.58	33.58	46.00	-12.42	43.03	-9.45	Peak	---	---
5	374.56	32.45	46.00	-13.55	38.79	-6.34	Peak	---	---
6	499.58	33.64	46.00	-12.36	36.94	-3.30	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).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Unwanted Emission (Above 1GHz) for 11b

Modulation	11b	**Test Freq. (MHz)**	2412
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):24 Humidity(%):65

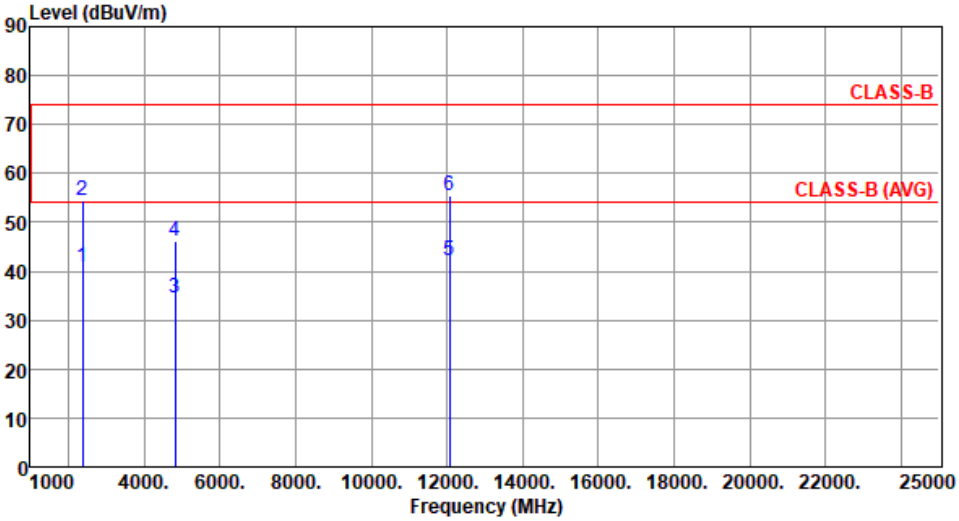


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	42.10	54.00	-11.90	44.85	-2.75	Average	111	185
2	2390.00	52.94	74.00	-21.06	55.69	-2.75	Peak	111	185
3	4824.00	39.97	54.00	-14.03	35.83	4.14	Average	268	25
4	4824.00	47.20	74.00	-26.80	43.06	4.14	Peak	268	25
5	12060.00	42.20	54.00	-11.80	28.41	13.79	Average	100	35
6	12060.00	55.37	74.00	-18.63	41.58	13.79	Peak	100	35

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)	2412
Polarization	Vertical		

Test By :Brad Wu Temperature(°C):24 Humidity(%):65

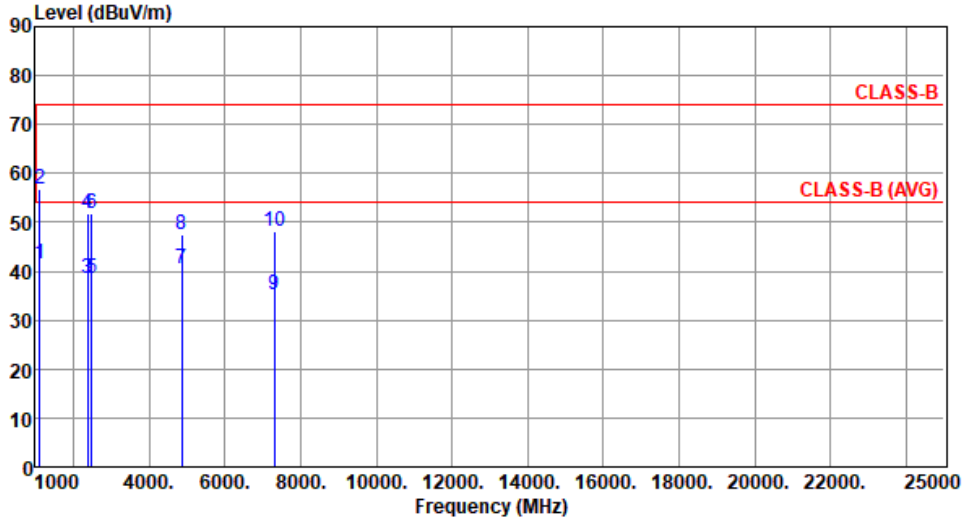


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	40.76	54.00	-13.24	43.51	-2.75	Average	101	163
2	2390.00	54.40	74.00	-19.60	57.15	-2.75	Peak	101	163
3	4824.00	34.65	54.00	-19.35	30.51	4.14	Average	185	192
4	4824.00	46.32	74.00	-27.68	42.18	4.14	Peak	185	192
5	12060.00	42.24	54.00	-11.76	28.45	13.79	Average	100	54
6	12060.00	55.36	74.00	-18.64	41.57	13.79	Peak	100	54

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	Horizontal		

Test By :Brad Wu Temperature(℃):24 Humidity(%):65

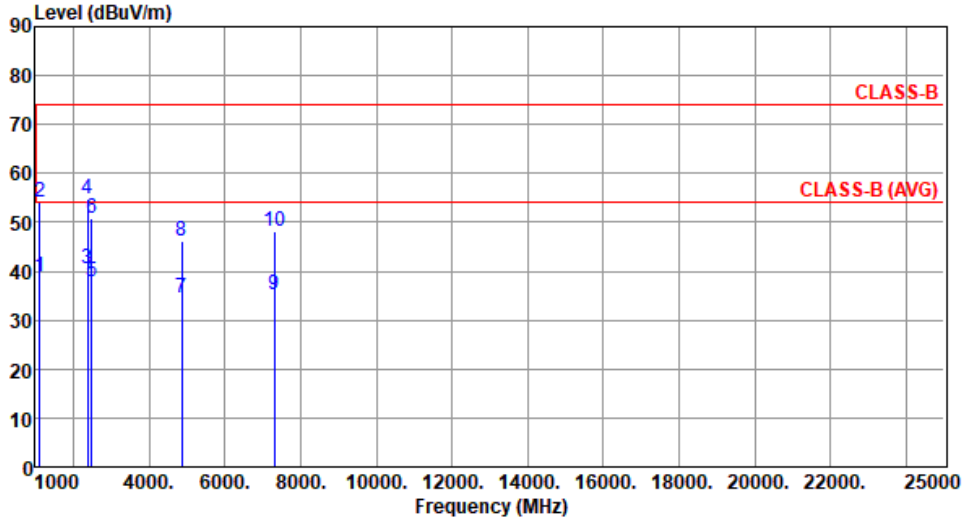


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	1115.00	41.59	54.00	-12.41	50.31	-8.72	Average	100	191
2	1115.00	56.84	74.00	-17.16	65.56	-8.72	Peak	100	191
3	2390.00	38.38	54.00	-15.62	41.13	-2.75	Average	100	185
4	2390.00	51.81	74.00	-22.19	54.56	-2.75	Peak	100	185
5	2483.50	38.45	54.00	-15.55	41.15	-2.70	Average	100	185
6	2483.50	51.76	74.00	-22.24	54.46	-2.70	Peak	100	185
7	4874.00	40.46	54.00	-13.54	36.33	4.13	Average	257	41
8	4874.00	47.51	74.00	-26.49	43.38	4.13	Peak	257	41
9	7311.00	35.23	54.00	-18.77	25.95	9.28	Average	100	24
10	7311.00	48.19	74.00	-25.81	38.91	9.28	Peak	100	24

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 :Brad Wu Temperature(℃):24 Humidity(%):65

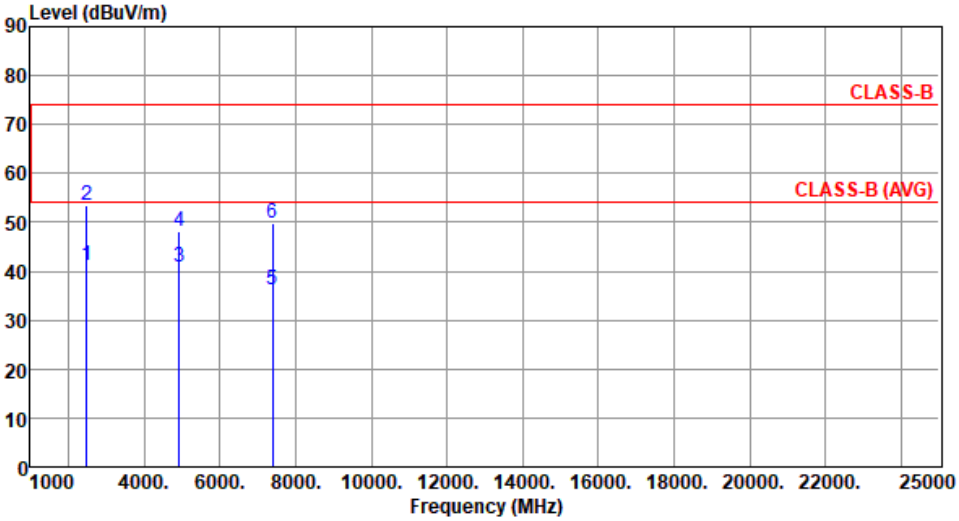


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	1115.00	38.81	54.00	-15.19	47.53	-8.72	Average	100	135
2	1115.00	54.02	74.00	-19.98	62.74	-8.72	Peak	100	135
3	2390.00	40.45	54.00	-13.55	43.20	-2.75	Average	100	165
4	2390.00	54.76	74.00	-19.24	57.51	-2.75	Peak	100	165
5	2483.50	37.98	54.00	-16.02	40.68	-2.70	Average	100	165
6	2483.50	50.82	74.00	-23.18	53.52	-2.70	Peak	100	165
7	4874.00	34.56	54.00	-19.44	30.43	4.13	Average	190	190
8	4874.00	46.23	74.00	-27.77	42.10	4.13	Peak	190	190
9	7311.00	35.14	54.00	-18.86	25.86	9.28	Average	100	49
10	7311.00	48.19	74.00	-25.81	38.91	9.28	Peak	100	49

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 :Brad Wu Temperature(℃):24 Humidity(%):65

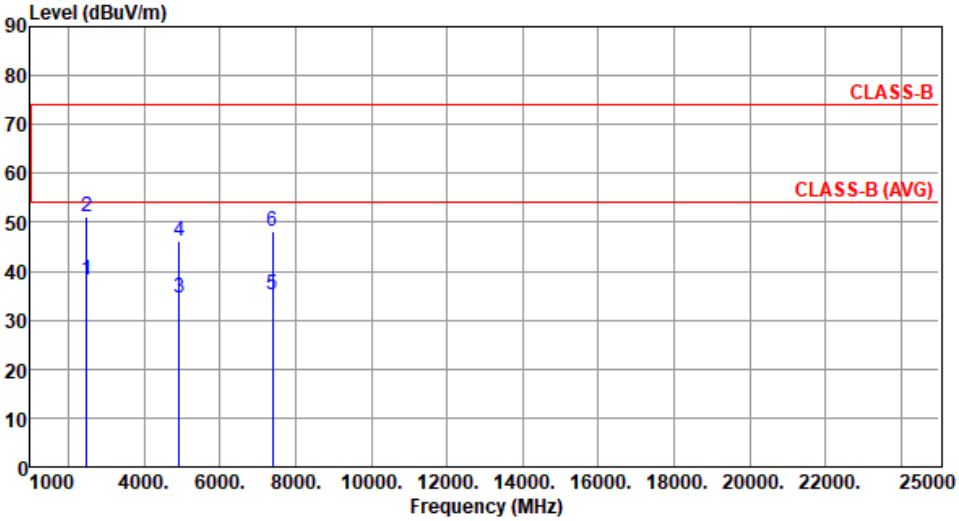


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	41.10	54.00	-12.90	43.80	-2.70	Average	110	191
2	2483.50	53.34	74.00	-20.66	56.04	-2.70	Peak	110	191
3	4924.00	41.01	54.00	-12.99	36.95	4.06	Average	268	22
4	4924.00	48.13	74.00	-25.87	44.07	4.06	Peak	268	22
5	7386.00	36.36	54.00	-17.64	27.11	9.25	Average	100	38
6	7386.00	49.66	74.00	-24.34	40.41	9.25	Peak	100	38

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 :Brad Wu Temperature(℃):24 Humidity(%):65

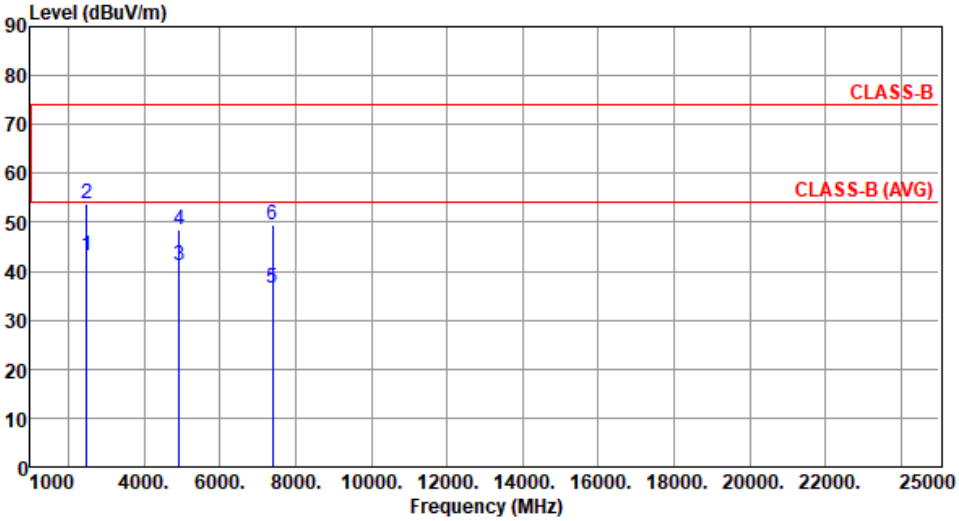


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	38.20	54.00	-15.80	40.90	-2.70	Average	100	165
2	2483.50	51.26	74.00	-22.74	53.96	-2.70	Peak	100	165
3	4924.00	34.61	54.00	-19.39	30.55	4.06	Average	188	186
4	4924.00	46.28	74.00	-27.72	42.22	4.06	Peak	188	186
5	7386.00	35.22	54.00	-18.78	25.97	9.25	Average	100	51
6	7386.00	48.24	74.00	-25.76	38.99	9.25	Peak	100	51

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)**	2467
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):24 Humidity(%):64

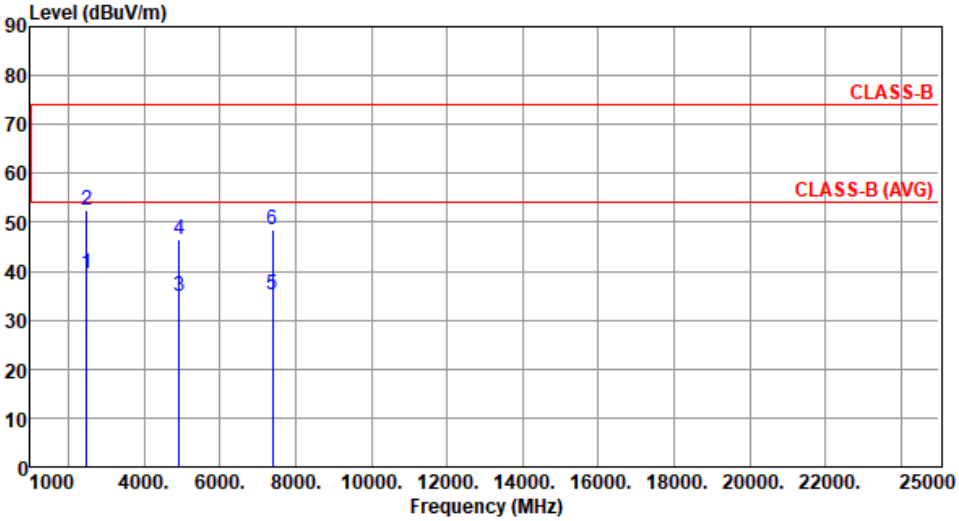


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	43.31	54.00	-10.69	46.01	-2.70	Average	106	189
2	2483.50	53.65	74.00	-20.35	56.35	-2.70	Peak	106	189
3	4934.00	41.22	54.00	-12.78	37.18	4.04	Average	265	29
4	4934.00	48.36	74.00	-25.64	44.32	4.04	Peak	265	29
5	7401.00	36.45	54.00	-17.55	27.21	9.24	Average	100	42
6	7401.00	49.58	74.00	-24.42	40.34	9.24	Peak	100	42

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)**	2467
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):24 Humidity(%):64

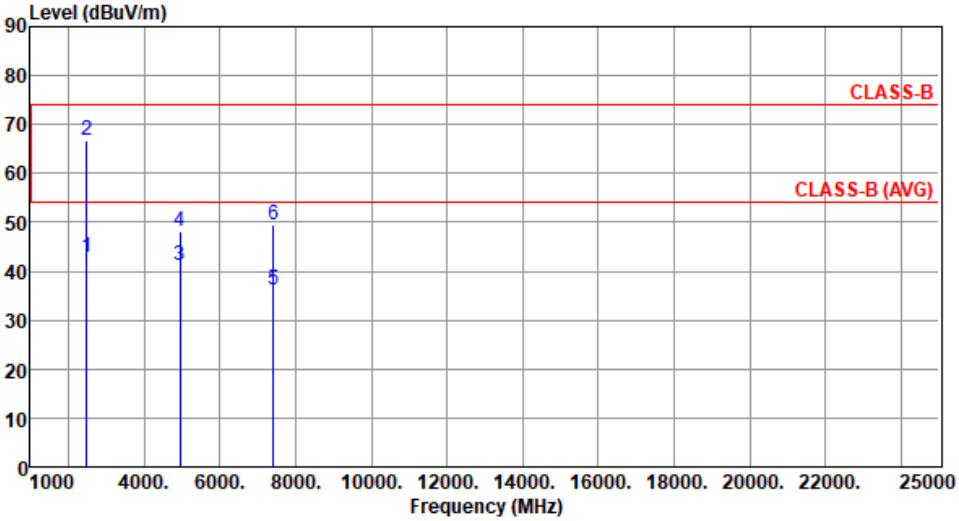


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	39.46	54.00	-14.54	42.16	-2.70	Average	100	168
2	2483.50	52.55	74.00	-21.45	55.25	-2.70	Peak	100	168
3	4934.00	34.82	54.00	-19.18	30.78	4.04	Average	189	185
4	4934.00	46.45	74.00	-27.55	42.41	4.04	Peak	189	185
5	7401.00	35.29	54.00	-18.71	26.05	9.24	Average	100	55
6	7401.00	48.33	74.00	-25.67	39.09	9.24	Peak	100	55

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)**	2472
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):24 Humidity(%):64

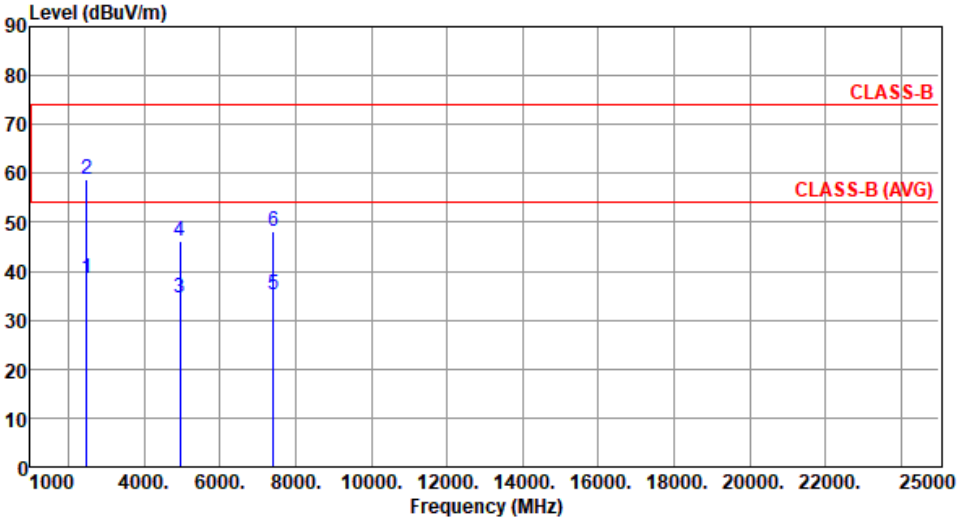


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	42.73	54.00	-11.27	45.43	-2.70	Average	100	188
2	2483.50	66.88	74.00	-7.12	69.58	-2.70	Peak	100	188
3	4944.00	41.34	54.00	-12.66	37.30	4.04	Average	265	31
4	4944.00	48.29	74.00	-25.71	44.25	4.04	Peak	265	31
5	7416.00	36.25	54.00	-17.75	26.96	9.29	Average	100	47
6	7416.00	49.58	74.00	-24.42	40.29	9.29	Peak	100	47

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)	2472
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):24 Humidity(%):64



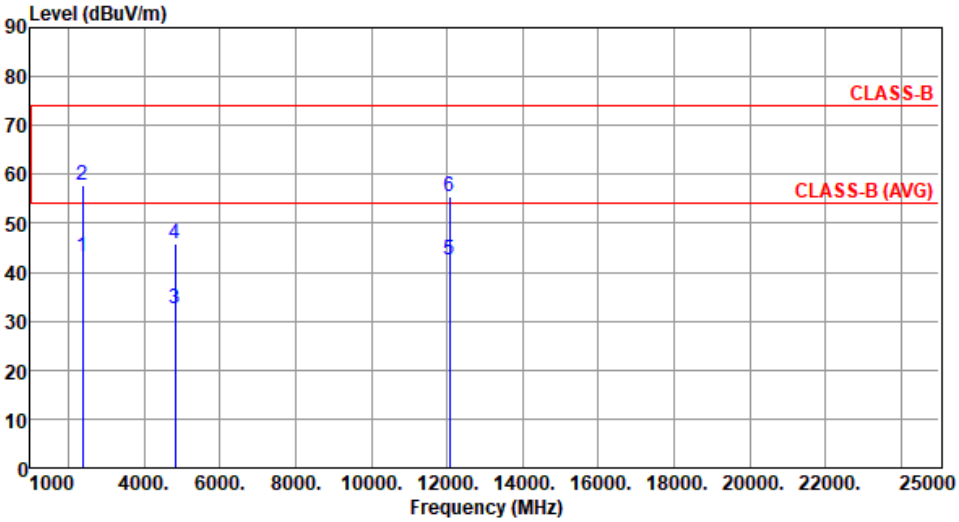
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	38.39	54.00	-15.61	41.09	-2.70	Average	100	156
2	2483.50	58.71	74.00	-15.29	61.41	-2.70	Peak	100	156
3	4944.00	34.53	54.00	-19.47	30.49	4.04	Average	191	194
4	4944.00	46.22	74.00	-27.78	42.18	4.04	Peak	191	194
5	7416.00	35.14	54.00	-18.86	25.85	9.29	Average	100	47
6	7416.00	48.16	74.00	-25.84	38.87	9.29	Peak	100	47

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

Modulation	11g	**Test Freq. (MHz)**	2412
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):24 Humidity(%):65

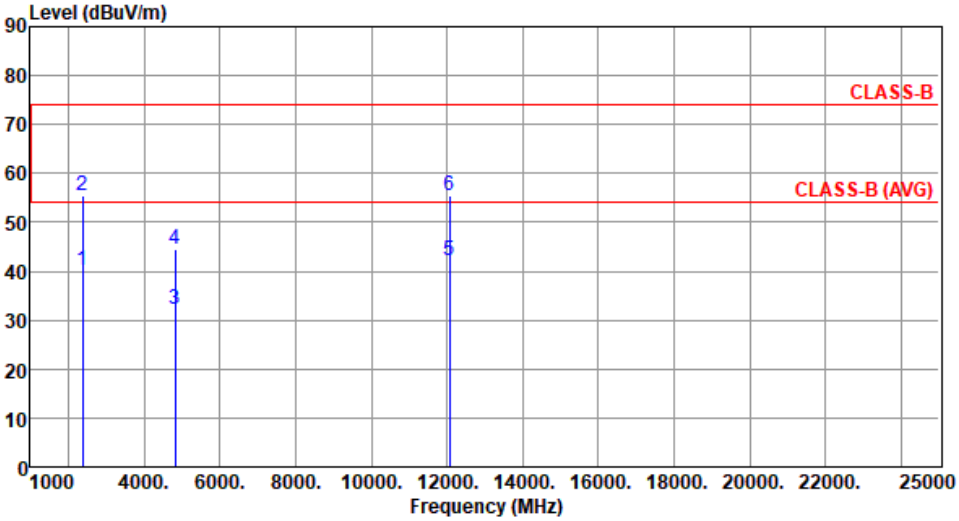


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	43.10	54.00	-10.90	45.85	-2.75	Average	110	186
2	2390.00	57.93	74.00	-16.07	60.68	-2.75	Peak	110	186
3	4824.00	32.65	54.00	-21.35	28.51	4.14	Average	251	31
4	4824.00	45.74	74.00	-28.26	41.60	4.14	Peak	251	31
5	12060.00	42.35	54.00	-11.65	28.56	13.79	Average	100	42
6	12060.00	55.45	74.00	-18.55	41.66	13.79	Peak	100	42

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)	2412
Polarization	Vertical		

Test By :Brad Wu Temperature(°C):24 Humidity(%):65

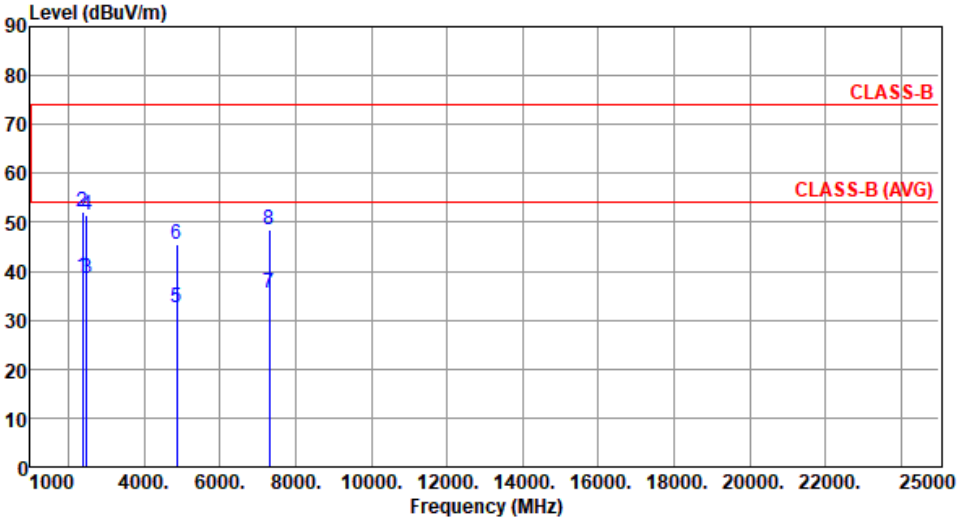


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	40.14	54.00	-13.86	42.89	-2.75	Average	101	164
2	2390.00	55.40	74.00	-18.60	58.15	-2.75	Peak	101	164
3	4824.00	32.16	54.00	-21.84	28.02	4.14	Average	100	71
4	4824.00	44.59	74.00	-29.41	40.45	4.14	Peak	100	71
5	12060.00	42.28	54.00	-11.72	28.49	13.79	Average	100	62
6	12060.00	55.39	74.00	-18.61	41.60	13.79	Peak	100	62

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 :Brad Wu Temperature(℃):24 Humidity(%):65

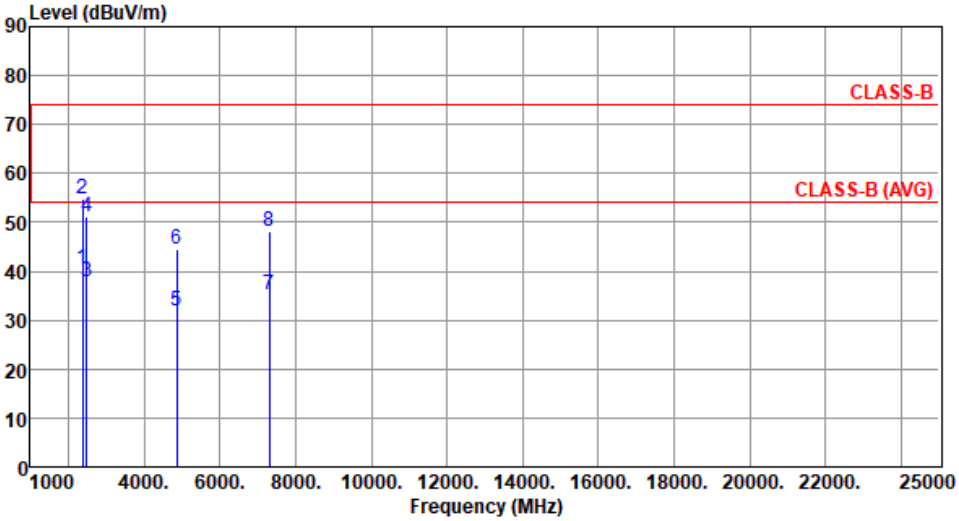


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	38.85	54.00	-15.15	41.60	-2.75	Average	100	185
2	2390.00	52.01	74.00	-21.99	54.76	-2.75	Peak	100	185
3	2483.50	38.42	54.00	-15.58	41.12	-2.70	Average	100	185
4	2483.50	51.35	74.00	-22.65	54.05	-2.70	Peak	100	185
5	4874.00	32.58	54.00	-21.42	28.45	4.13	Average	252	25
6	4874.00	45.64	74.00	-28.36	41.51	4.13	Peak	252	25
7	7311.00	35.40	54.00	-18.60	26.12	9.28	Average	100	48
8	7311.00	48.43	74.00	-25.57	39.15	9.28	Peak	100	48

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	Vertical		

Test By :Brad Wu Temperature(℃):24 Humidity(%):65

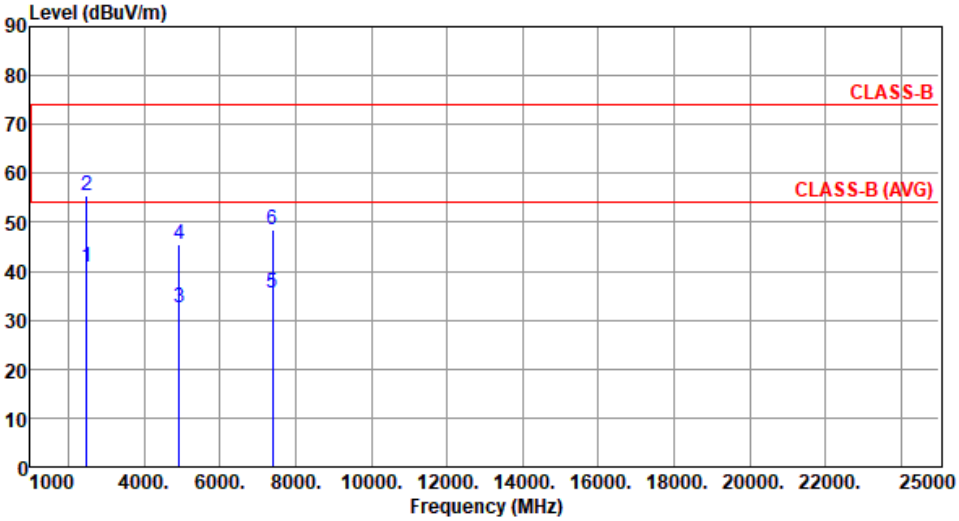


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	40.37	54.00	-13.63	43.12	-2.75	Average	100	166
2	2390.00	54.87	74.00	-19.13	57.62	-2.75	Peak	100	166
3	2483.50	37.91	54.00	-16.09	40.61	-2.70	Average	100	166
4	2483.50	51.24	74.00	-22.76	53.94	-2.70	Peak	100	166
5	4874.00	31.94	54.00	-22.06	27.81	4.13	Average	100	65
6	4874.00	44.48	74.00	-29.52	40.35	4.13	Peak	100	65
7	7311.00	35.09	54.00	-18.91	25.81	9.28	Average	100	44
8	7311.00	48.19	74.00	-25.81	38.91	9.28	Peak	100	44

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)**	2462
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):24 Humidity(%):65

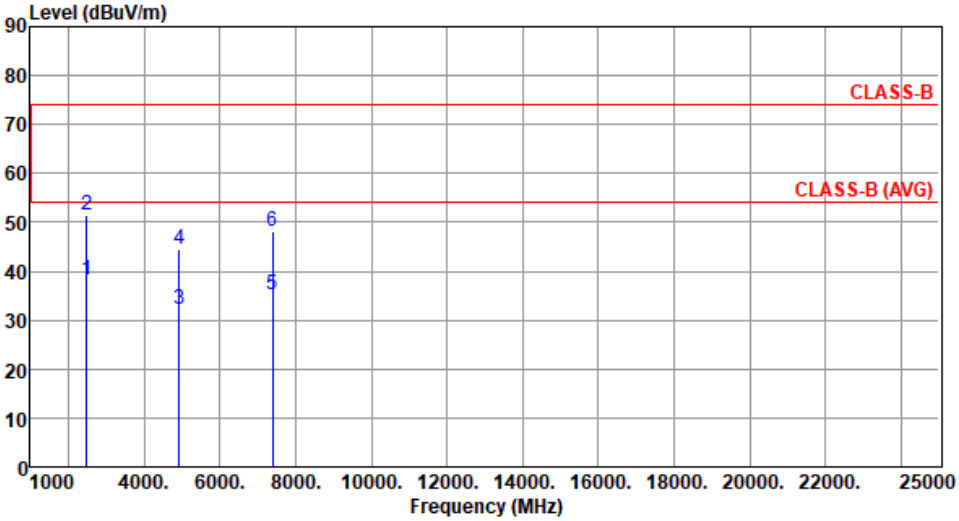


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	40.90	54.00	-13.10	43.60	-2.70	Average	109	190
2	2483.50	55.56	74.00	-18.44	58.26	-2.70	Peak	109	190
3	4924.00	32.48	54.00	-21.52	28.42	4.06	Average	248	16
4	4924.00	45.59	74.00	-28.41	41.53	4.06	Peak	248	16
5	7386.00	35.51	54.00	-18.49	26.26	9.25	Average	100	56
6	7386.00	48.56	74.00	-25.44	39.31	9.25	Peak	100	56

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)	2462
Polarization	Vertical		

Test By :Brad Wu Temperature(°C):24 Humidity(%):65

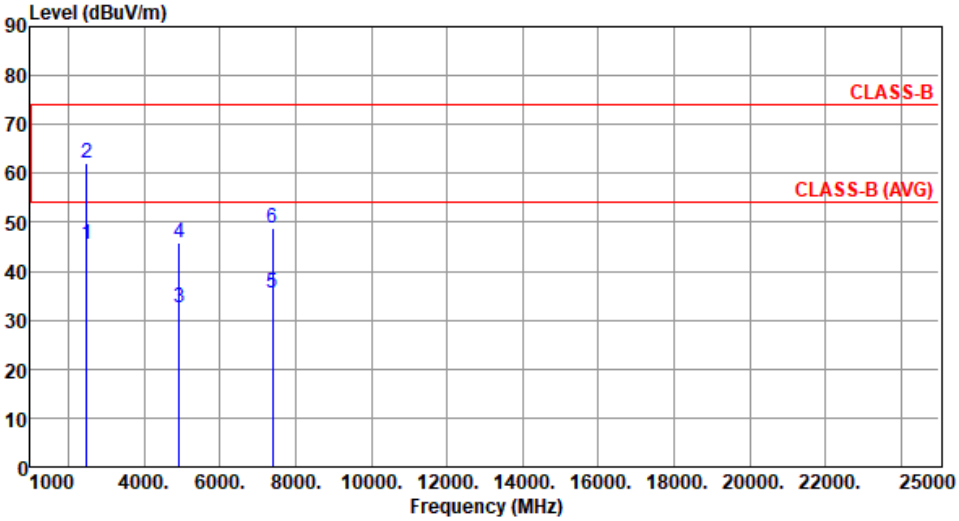


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	38.16	54.00	-15.84	40.86	-2.70	Average	100	169
2	2483.50	51.45	74.00	-22.55	54.15	-2.70	Peak	100	169
3	4924.00	32.15	54.00	-21.85	28.09	4.06	Average	100	58
4	4924.00	44.63	74.00	-29.37	40.57	4.06	Peak	100	58
5	7386.00	35.26	54.00	-18.74	26.01	9.25	Average	100	45
6	7386.00	48.23	74.00	-25.77	38.98	9.25	Peak	100	45

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)**	2467
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):24 Humidity(%):64

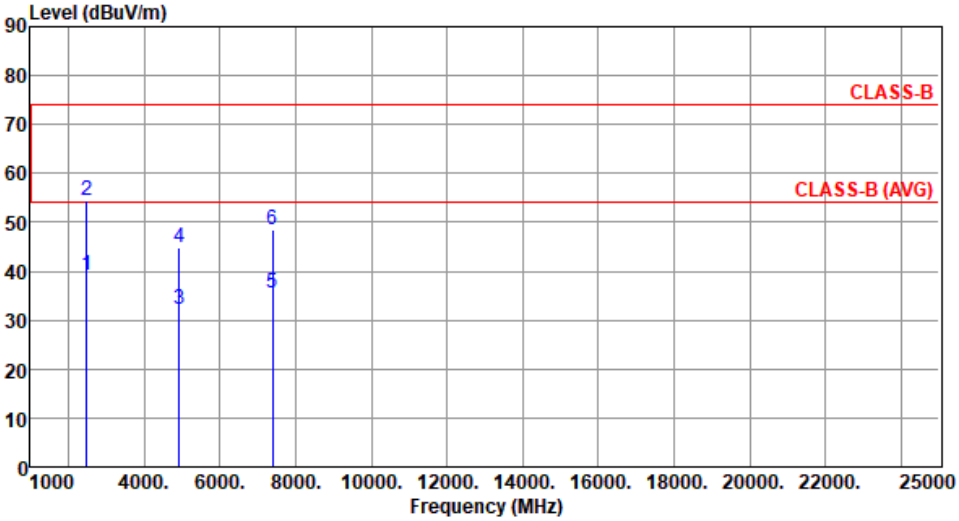


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	45.58	54.00	-8.42	48.28	-2.70	Average	112	191
2	2483.50	62.11	74.00	-11.89	64.81	-2.70	Peak	112	191
3	4934.00	32.56	54.00	-21.44	28.52	4.04	Average	249	21
4	4934.00	45.68	74.00	-28.32	41.64	4.04	Peak	249	21
5	7401.00	35.62	54.00	-18.38	26.38	9.24	Average	100	55
6	7401.00	48.67	74.00	-25.33	39.43	9.24	Peak	100	55

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)	2467
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):24 Humidity(%):64

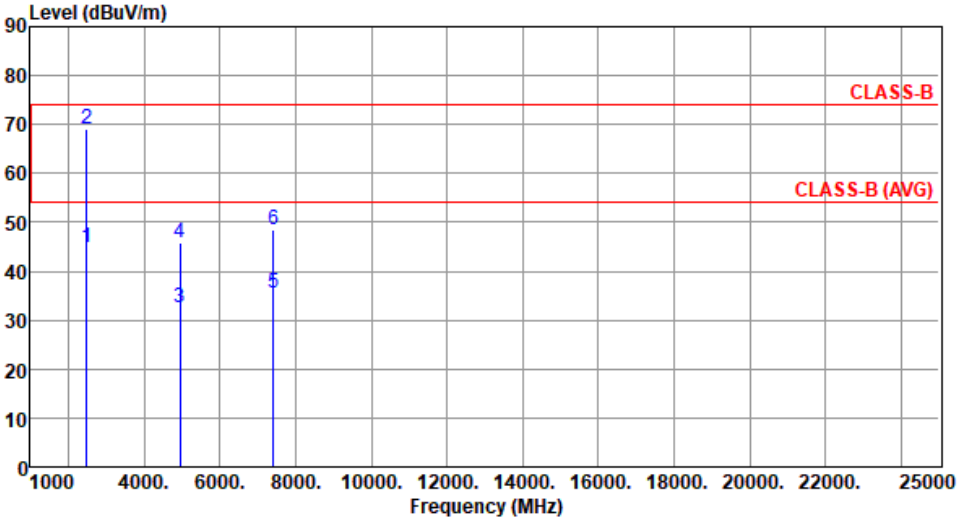


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	39.26	54.00	-14.74	41.96	-2.70	Average	100	171
2	2483.50	54.55	74.00	-19.45	57.25	-2.70	Peak	100	171
3	4934.00	32.29	54.00	-21.71	28.25	4.04	Average	100	61
4	4934.00	44.75	74.00	-29.25	40.71	4.04	Peak	100	61
5	7401.00	35.39	54.00	-18.61	26.15	9.24	Average	100	52
6	7401.00	48.41	74.00	-25.59	39.17	9.24	Peak	100	52

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)**	2472
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):24 Humidity(%):64

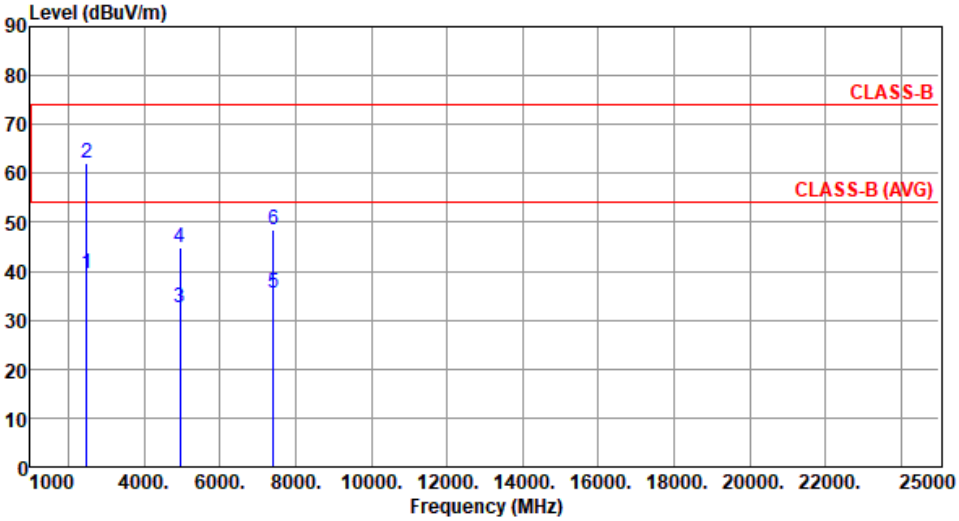


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	44.71	54.00	-9.29	47.41	-2.70	Average	113	190
2	2483.50	69.06	74.00	-4.94	71.76	-2.70	Peak	113	190
3	4944.00	32.65	54.00	-21.35	28.61	4.04	Average	241	36
4	4944.00	45.71	74.00	-28.29	41.67	4.04	Peak	241	36
5	7416.00	35.44	54.00	-18.56	26.15	9.29	Average	100	62
6	7416.00	48.59	74.00	-25.41	39.30	9.29	Peak	100	62

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)	2472
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):24 Humidity(%):64



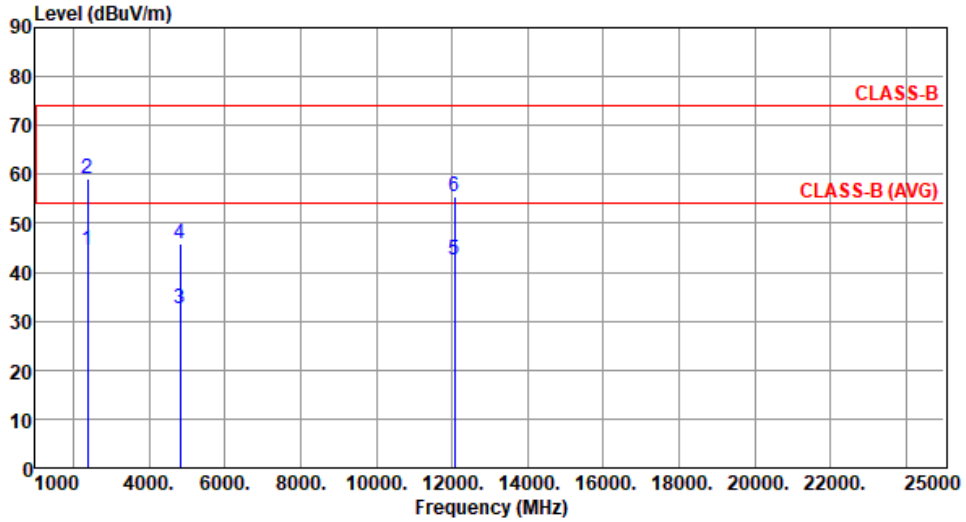
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	39.55	54.00	-14.45	42.25	-2.70	Average	123	149
2	2483.50	61.98	74.00	-12.02	64.68	-2.70	Peak	123	149
3	4944.00	32.45	54.00	-21.55	28.41	4.04	Average	100	55
4	4944.00	44.81	74.00	-29.19	40.77	4.04	Peak	100	55
5	7416.00	35.56	54.00	-18.44	26.27	9.29	Average	100	63
6	7416.00	48.55	74.00	-25.45	39.26	9.29	Peak	100	63

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 ax HE20

Modulation	ax HE20	**Test Freq. (MHz)**	2412
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):24 Humidity(%):64

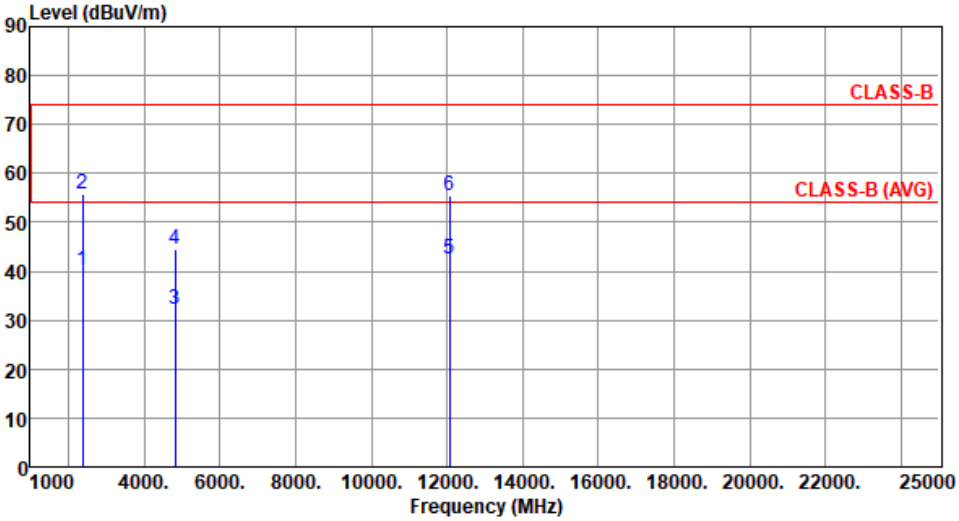


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	44.45	54.00	-9.55	47.20	-2.75	Average	115	188
2	2390.00	59.09	74.00	-14.91	61.84	-2.75	Peak	115	188
3	4824.00	32.54	54.00	-21.46	28.40	4.14	Average	248	22
4	4824.00	45.69	74.00	-28.31	41.55	4.14	Peak	248	22
5	12060.00	42.44	54.00	-11.56	28.65	13.79	Average	100	37
6	12060.00	55.56	74.00	-18.44	41.77	13.79	Peak	100	37

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	ax HE20	**Test Freq. (MHz)**	2412
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):24 Humidity(%):64

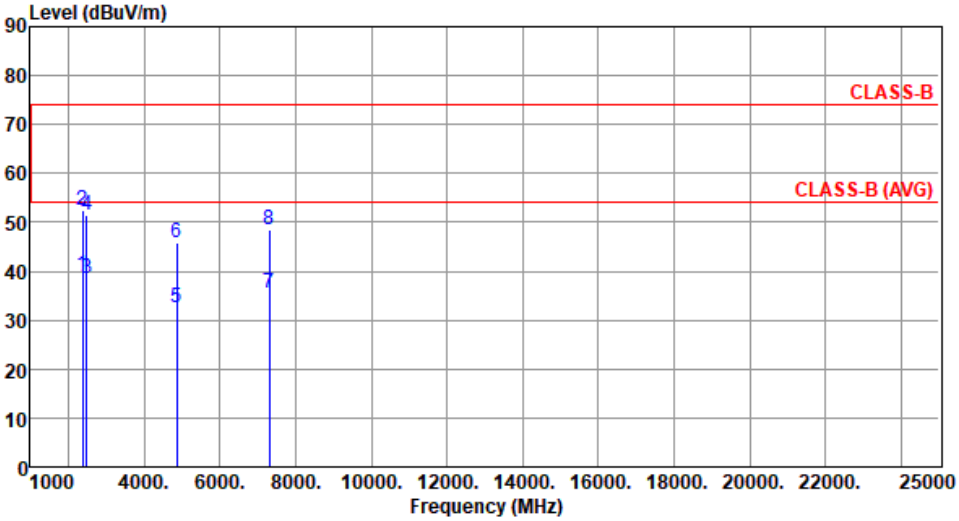


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	40.29	54.00	-13.71	43.04	-2.75	Average	103	166
2	2390.00	55.92	74.00	-18.08	58.67	-2.75	Peak	103	166
3	4824.00	32.25	54.00	-21.75	28.11	4.14	Average	100	88
4	4824.00	44.63	74.00	-29.37	40.49	4.14	Peak	100	88
5	12060.00	42.39	54.00	-11.61	28.60	13.79	Average	100	72
6	12060.00	55.45	74.00	-18.55	41.66	13.79	Peak	100	72

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	ax HE20	**Test Freq. (MHz)**	2437
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):24 Humidity(%):64

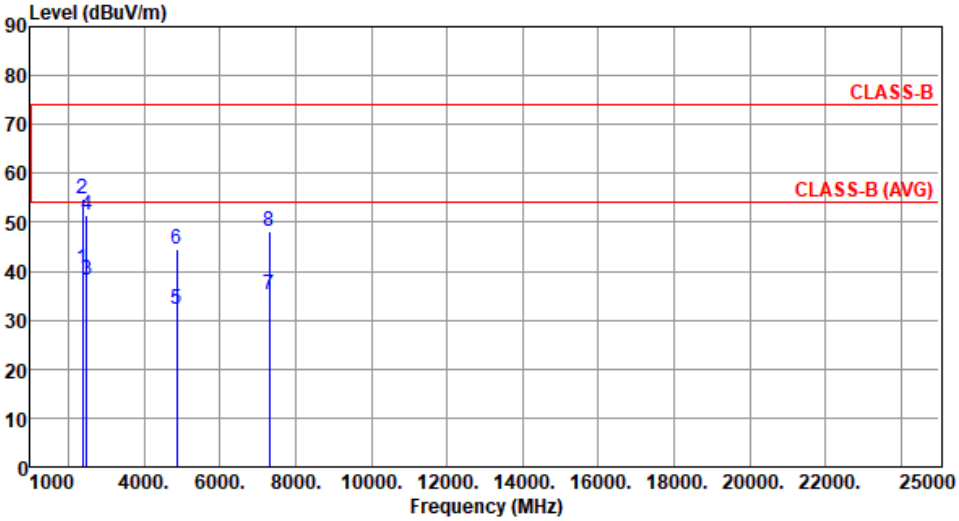


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	39.15	54.00	-14.85	41.90	-2.75	Average	120	191
2	2390.00	52.46	74.00	-21.54	55.21	-2.75	Peak	120	191
3	2483.50	38.62	54.00	-15.38	41.32	-2.70	Average	120	191
4	2483.50	51.59	74.00	-22.41	54.29	-2.70	Peak	120	191
5	4874.00	32.61	54.00	-21.39	28.48	4.13	Average	245	32
6	4874.00	45.75	74.00	-28.25	41.62	4.13	Peak	245	32
7	7311.00	35.52	54.00	-18.48	26.24	9.28	Average	100	42
8	7311.00	48.56	74.00	-25.44	39.28	9.28	Peak	100	42

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	ax HE20	**Test Freq. (MHz)**	2437
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):24 Humidity(%):64

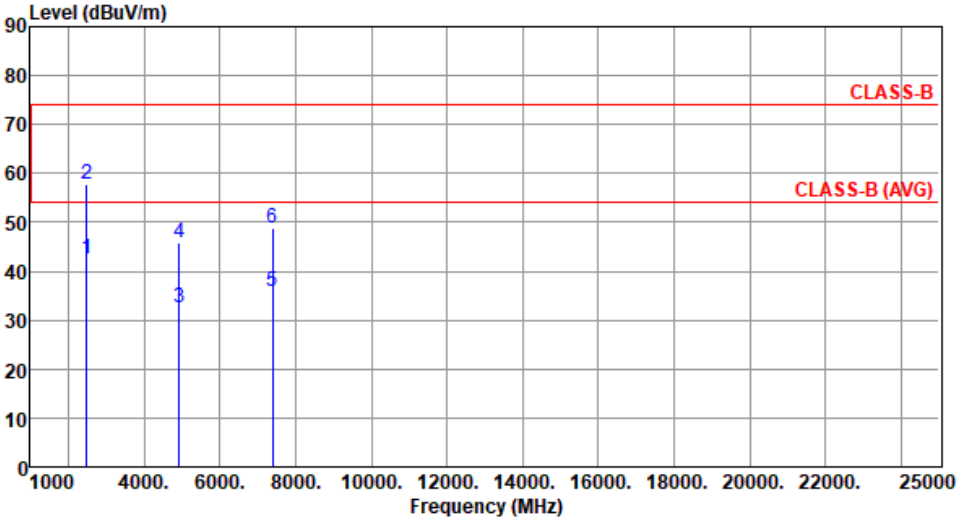


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	40.51	54.00	-13.49	43.26	-2.75	Average	100	162
2	2390.00	54.96	74.00	-19.04	57.71	-2.75	Peak	100	162
3	2483.50	38.16	54.00	-15.84	40.86	-2.70	Average	100	162
4	2483.50	51.49	74.00	-22.51	54.19	-2.70	Peak	100	162
5	4874.00	32.05	54.00	-21.95	27.92	4.13	Average	100	77
6	4874.00	44.53	74.00	-29.47	40.40	4.13	Peak	100	77
7	7311.00	35.14	54.00	-18.86	25.86	9.28	Average	100	59
8	7311.00	48.27	74.00	-25.73	38.99	9.28	Peak	100	59

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	ax HE20	**Test Freq. (MHz)**	2462
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):24 Humidity(%):64

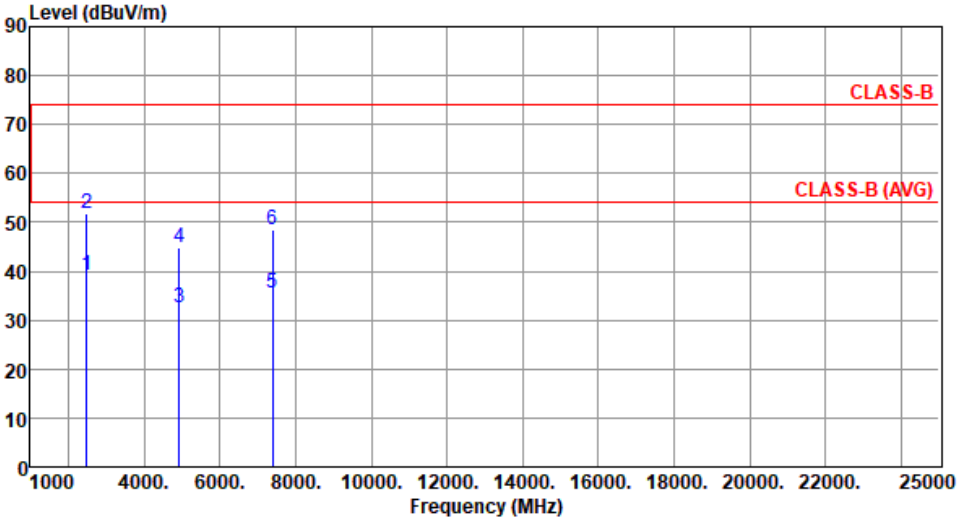


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	42.55	54.00	-11.45	45.25	-2.70	Average	117	192
2	2483.50	57.74	74.00	-16.26	60.44	-2.70	Peak	117	192
3	4924.00	32.59	54.00	-21.41	28.53	4.06	Average	251	23
4	4924.00	45.68	74.00	-28.32	41.62	4.06	Peak	251	23
5	7386.00	35.74	54.00	-18.26	26.49	9.25	Average	100	92
6	7386.00	48.67	74.00	-25.33	39.42	9.25	Peak	100	92

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	ax HE20	**Test Freq. (MHz)**	2462
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):24 Humidity(%):64

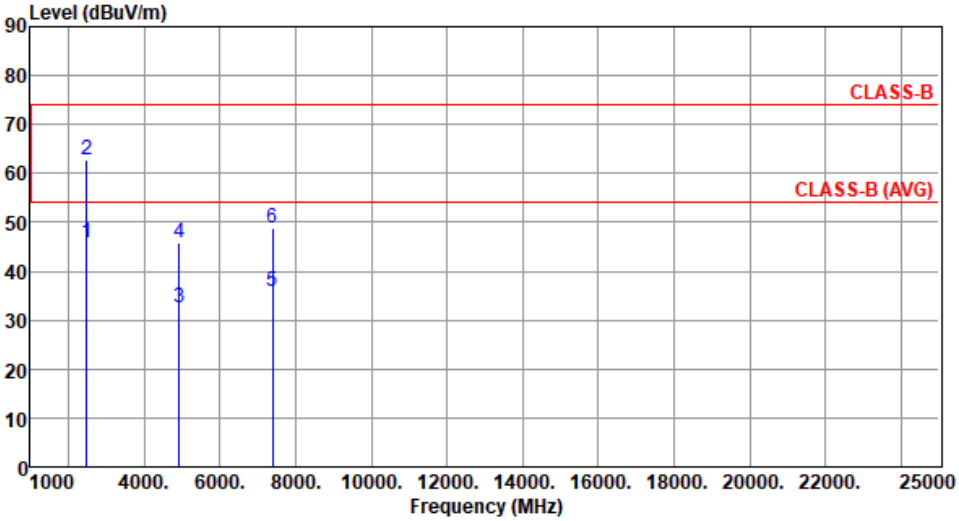


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	39.22	54.00	-14.78	41.92	-2.70	Average	105	166
2	2483.50	51.96	74.00	-22.04	54.66	-2.70	Peak	105	166
3	4924.00	32.48	54.00	-21.52	28.42	4.06	Average	100	77
4	4924.00	44.75	74.00	-29.25	40.69	4.06	Peak	100	77
5	7386.00	35.43	54.00	-18.57	26.18	9.25	Average	100	56
6	7386.00	48.39	74.00	-25.61	39.14	9.25	Peak	100	56

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	ax HE20	**Test Freq. (MHz)**	2467
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):24 Humidity(%):64

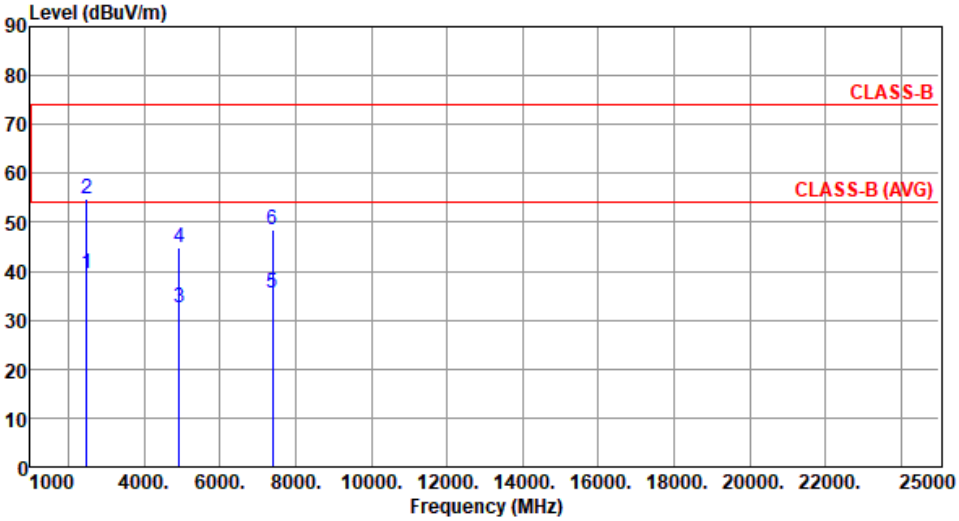


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	45.81	54.00	-8.19	48.51	-2.70	Average	115	189
2	2483.50	62.80	74.00	-11.20	65.50	-2.70	Peak	115	189
3	4934.00	32.65	54.00	-21.35	28.61	4.04	Average	233	48
4	4934.00	45.74	74.00	-28.26	41.70	4.04	Peak	233	48
5	7401.00	35.75	54.00	-18.25	26.51	9.24	Average	100	47
6	7401.00	48.72	74.00	-25.28	39.48	9.24	Peak	100	47

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	ax HE20	**Test Freq. (MHz)**	2467
Polarization	Vertical		

Test By :Brad Wu Temperature(°C):24 Humidity(%):64

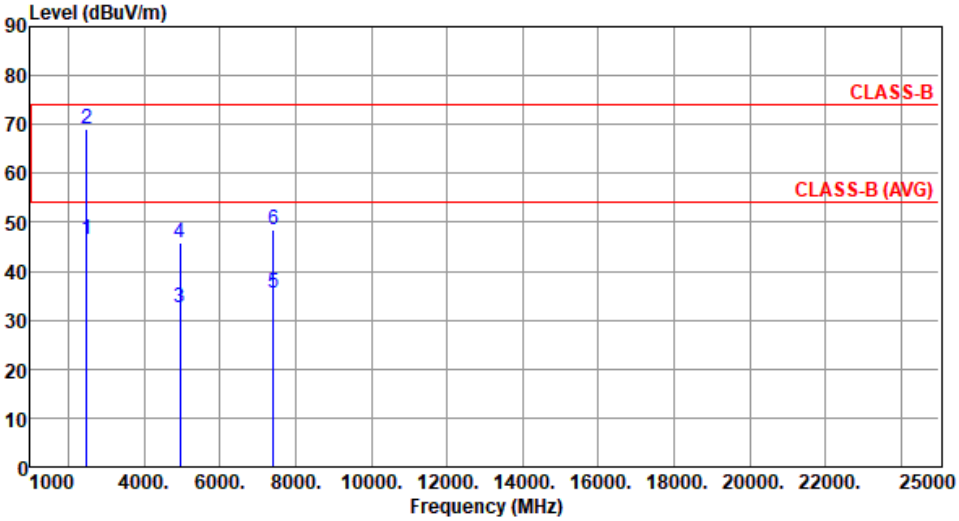


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	39.45	54.00	-14.55	42.15	-2.70	Average	110	174
2	2483.50	54.96	74.00	-19.04	57.66	-2.70	Peak	110	174
3	4934.00	32.44	54.00	-21.56	28.40	4.04	Average	100	52
4	4934.00	44.86	74.00	-29.14	40.82	4.04	Peak	100	52
5	7401.00	35.46	54.00	-18.54	26.22	9.24	Average	100	55
6	7401.00	48.52	74.00	-25.48	39.28	9.24	Peak	100	55

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	ax HE20	**Test Freq. (MHz)**	2472
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):24 Humidity(%):64

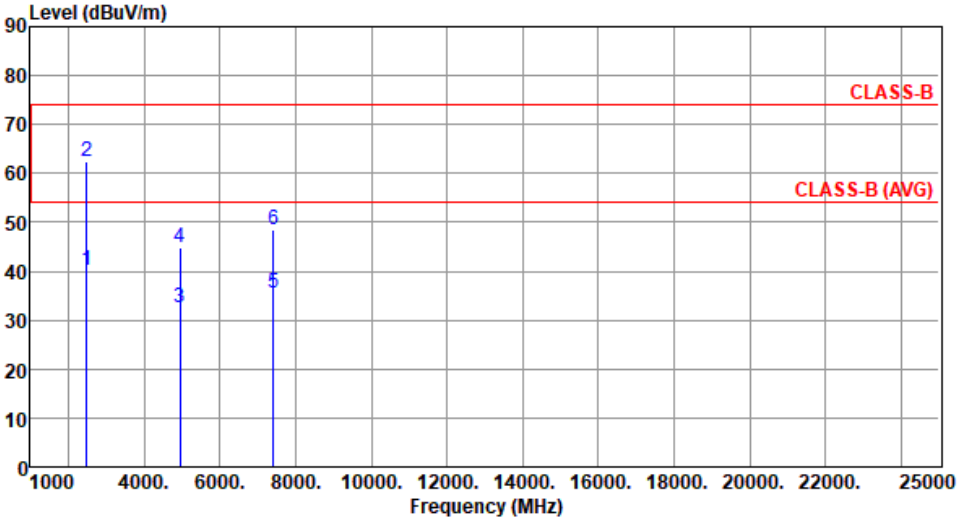


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	46.51	54.00	-7.49	49.21	-2.70	Average	112	190
2	2483.50	69.08	74.00	-4.92	71.78	-2.70	Peak	112	190
3	4944.00	32.69	54.00	-21.31	28.65	4.04	Average	221	52
4	4944.00	45.78	74.00	-28.22	41.74	4.04	Peak	221	52
5	7416.00	35.55	54.00	-18.45	26.26	9.29	Average	100	39
6	7416.00	48.64	74.00	-25.36	39.35	9.29	Peak	100	39

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	ax HE20	**Test Freq. (MHz)**	2472
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):24 Humidity(%):64



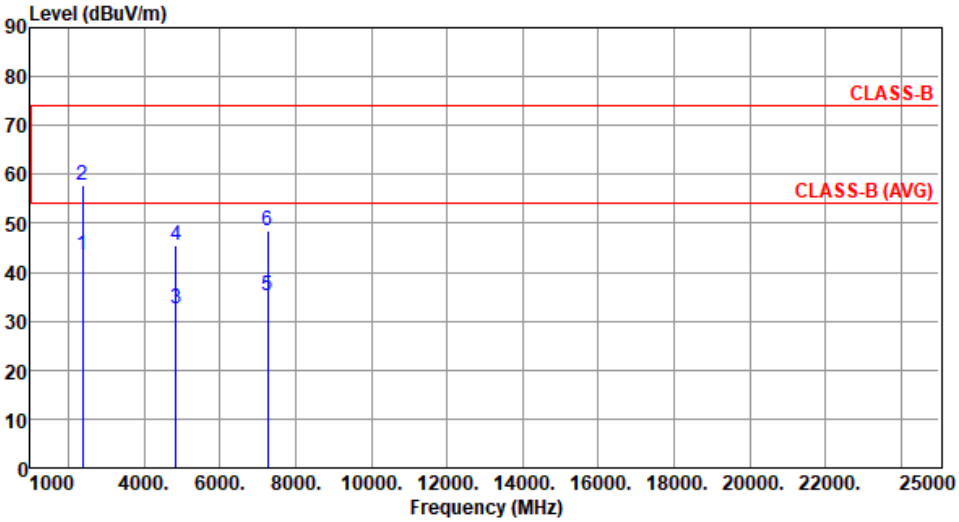
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	40.28	54.00	-13.72	42.98	-2.70	Average	125	151
2	2483.50	62.46	74.00	-11.54	65.16	-2.70	Peak	125	151
3	4944.00	32.59	54.00	-21.41	28.55	4.04	Average	100	47
4	4944.00	44.96	74.00	-29.04	40.92	4.04	Peak	100	47
5	7416.00	35.64	54.00	-18.36	26.35	9.29	Average	100	28
6	7416.00	48.61	74.00	-25.39	39.32	9.29	Peak	100	28

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 ax HE40

Modulation	ax HE40	**Test Freq. (MHz)**	2422
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):24 Humidity(%):64

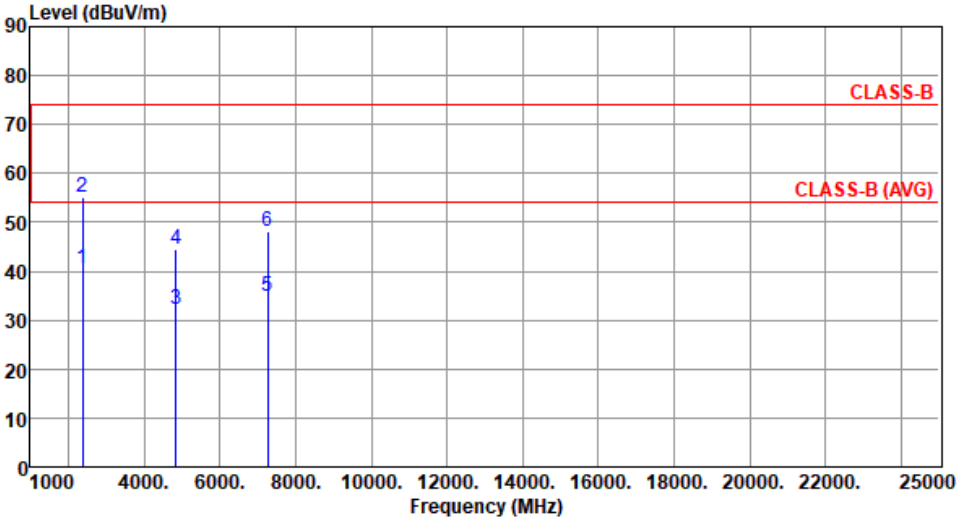


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	43.59	54.00	-10.41	46.34	-2.75	Average	130	191
2	2390.00	57.87	74.00	-16.13	60.62	-2.75	Peak	130	191
3	4844.00	32.41	54.00	-21.59	28.25	4.16	Average	205	69
4	4844.00	45.52	74.00	-28.48	41.36	4.16	Peak	205	69
5	7266.00	35.32	54.00	-18.68	26.09	9.23	Average	100	55
6	7266.00	48.41	74.00	-25.59	39.18	9.23	Peak	100	55

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	ax HE40	**Test Freq. (MHz)**	2422
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):24 Humidity(%):64

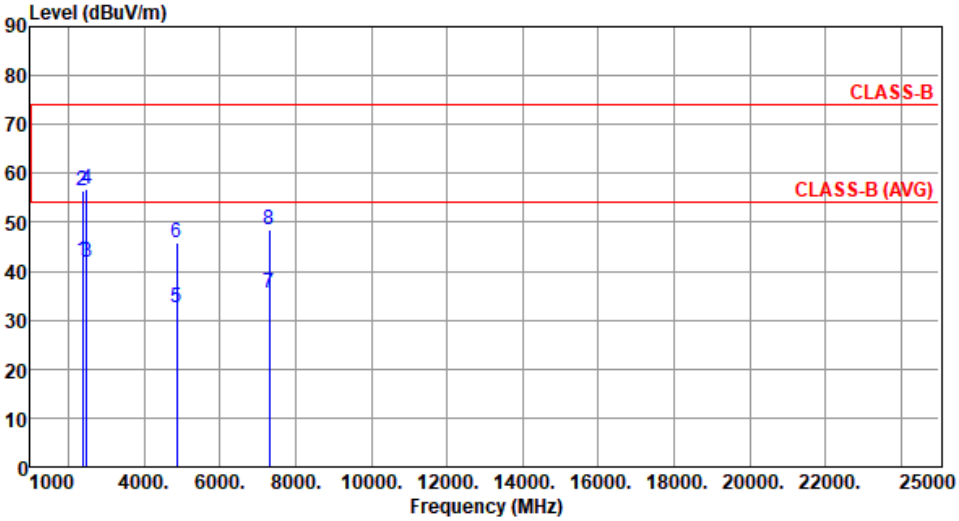


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	40.65	54.00	-13.35	43.40	-2.75	Average	104	166
2	2390.00	55.12	74.00	-18.88	57.87	-2.75	Peak	104	166
3	4844.00	32.19	54.00	-21.81	28.03	4.16	Average	100	82
4	4844.00	44.56	74.00	-29.44	40.40	4.16	Peak	100	82
5	7266.00	34.96	54.00	-19.04	25.73	9.23	Average	100	63
6	7266.00	48.02	74.00	-25.98	38.79	9.23	Peak	100	63

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	ax HE40	**Test Freq. (MHz)**	2437
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):24 Humidity(%):64

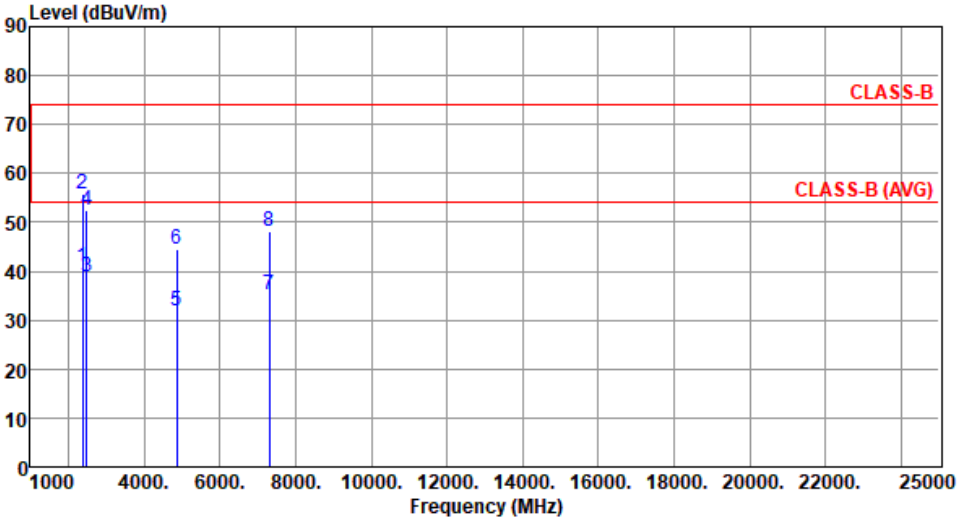


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	42.07	54.00	-11.93	44.82	-2.75	Average	121	188
2	2390.00	56.56	74.00	-17.44	59.31	-2.75	Peak	121	188
3	2483.50	41.84	54.00	-12.16	44.54	-2.70	Average	121	188
4	2483.50	56.63	74.00	-17.37	59.33	-2.70	Peak	121	188
5	4874.00	32.55	54.00	-21.45	28.42	4.13	Average	228	47
6	4874.00	45.69	74.00	-28.31	41.56	4.13	Peak	228	47
7	7311.00	35.46	54.00	-18.54	26.18	9.28	Average	100	51
8	7311.00	48.47	74.00	-25.53	39.19	9.28	Peak	100	51

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	ax HE40	**Test Freq. (MHz)**	2437
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):24 Humidity(%):64

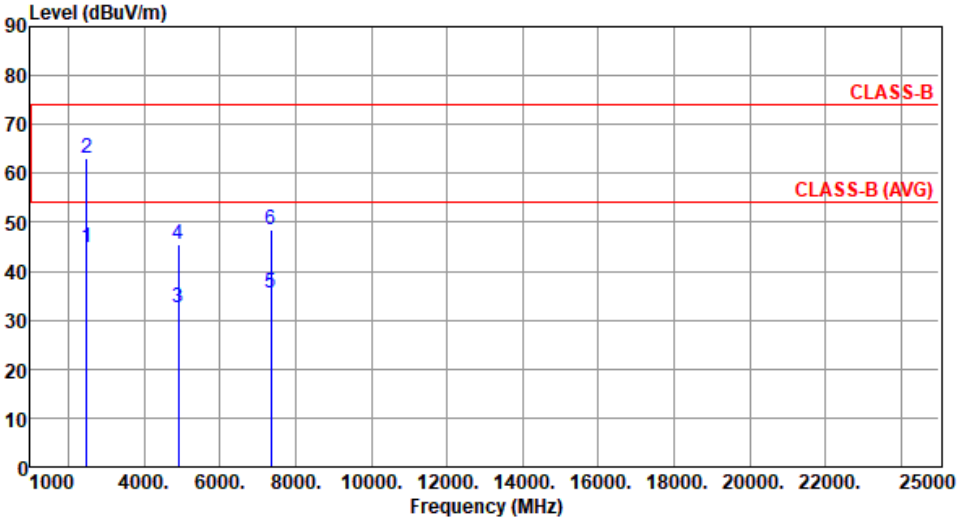


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	40.94	54.00	-13.06	43.69	-2.75	Average	108	156
2	2390.00	55.64	74.00	-18.36	58.39	-2.75	Peak	108	156
3	2483.50	38.85	54.00	-15.15	41.55	-2.70	Average	108	156
4	2483.50	52.59	74.00	-21.41	55.29	-2.70	Peak	108	156
5	4874.00	31.98	54.00	-22.02	27.85	4.13	Average	100	56
6	4874.00	44.49	74.00	-29.51	40.36	4.13	Peak	100	56
7	7311.00	35.07	54.00	-18.93	25.79	9.28	Average	100	24
8	7311.00	48.22	74.00	-25.78	38.94	9.28	Peak	100	24

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	ax HE40	**Test Freq. (MHz)**	2452
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):24 Humidity(%):64

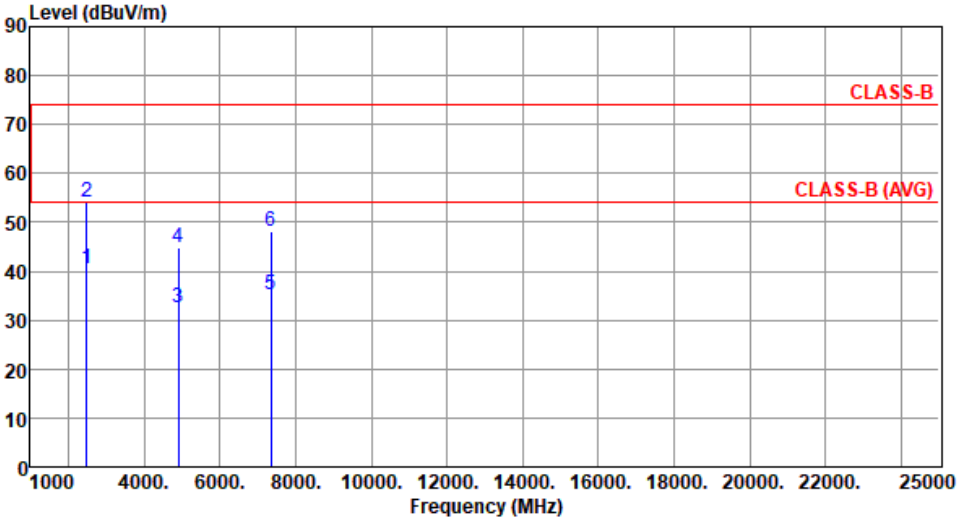


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	44.95	54.00	-9.05	47.65	-2.70	Average	115	189
2	2483.50	63.10	74.00	-10.90	65.80	-2.70	Peak	115	189
3	4904.00	32.51	54.00	-21.49	28.42	4.09	Average	208	11
4	4904.00	45.63	74.00	-28.37	41.54	4.09	Peak	208	11
5	7356.00	35.67	54.00	-18.33	26.41	9.26	Average	100	75
6	7356.00	48.62	74.00	-25.38	39.36	9.26	Peak	100	75

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	ax HE40	**Test Freq. (MHz)**	2452
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):24 Humidity(%):64

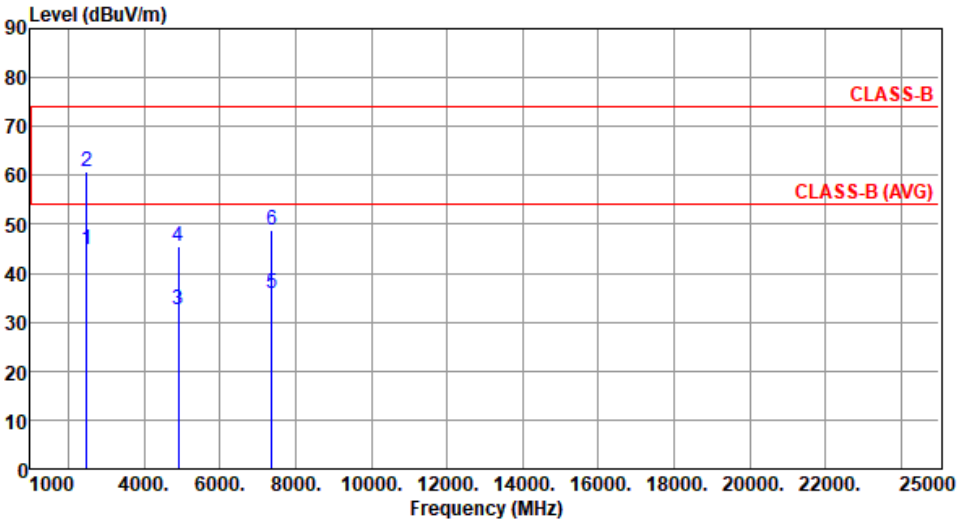


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	40.45	54.00	-13.55	43.15	-2.70	Average	109	172
2	2483.50	54.11	74.00	-19.89	56.81	-2.70	Peak	109	172
3	4904.00	32.39	54.00	-21.61	28.30	4.09	Average	100	32
4	4904.00	44.68	74.00	-29.32	40.59	4.09	Peak	100	32
5	7356.00	35.36	54.00	-18.64	26.10	9.26	Average	100	66
6	7356.00	48.24	74.00	-25.76	38.98	9.26	Peak	100	66

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	ax HE40	**Test Freq. (MHz)**	2457
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):24 Humidity(%):64

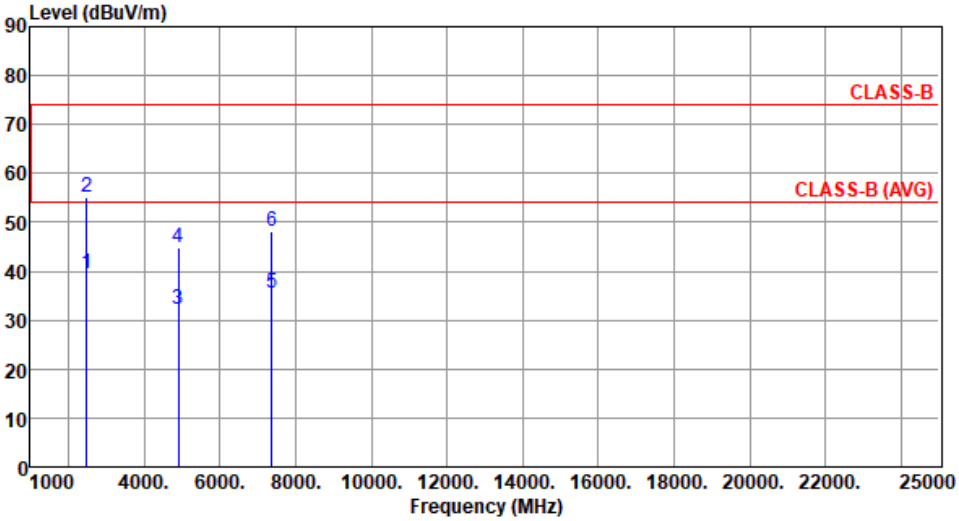


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	44.72	54.00	-9.28	47.42	-2.70	Average	114	189
2	2483.50	60.85	74.00	-13.15	63.55	-2.70	Peak	114	189
3	4914.00	32.58	54.00	-21.42	28.50	4.08	Average	209	41
4	4914.00	45.63	74.00	-28.37	41.55	4.08	Peak	209	41
5	7371.00	35.72	54.00	-18.28	26.47	9.25	Average	100	33
6	7371.00	48.66	74.00	-25.34	39.41	9.25	Peak	100	33

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	ax HE40	**Test Freq. (MHz)**	2457
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):24 Humidity(%):64

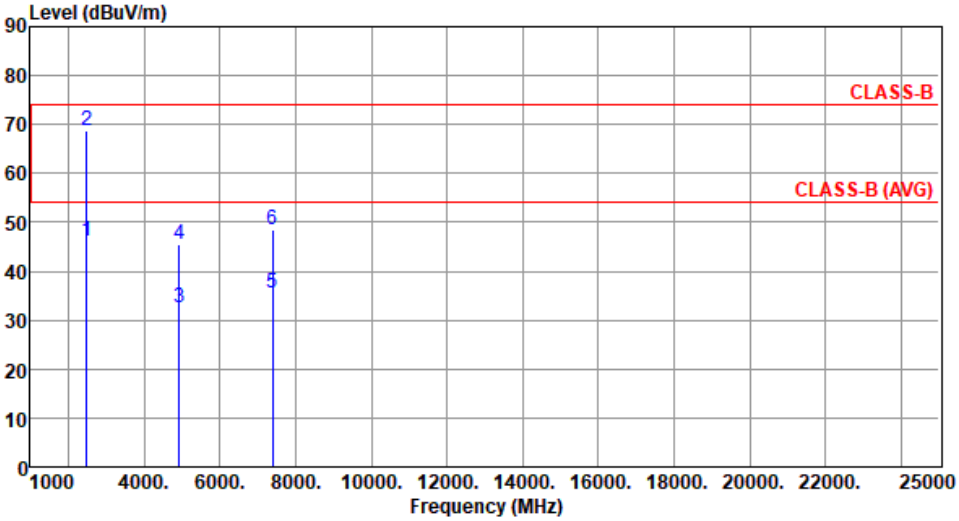


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	39.61	54.00	-14.39	42.31	-2.70	Average	121	155
2	2483.50	55.15	74.00	-18.85	57.85	-2.70	Peak	121	155
3	4914.00	32.31	54.00	-21.69	28.23	4.08	Average	100	25
4	4914.00	44.75	74.00	-29.25	40.67	4.08	Peak	100	25
5	7371.00	35.43	54.00	-18.57	26.18	9.25	Average	100	77
6	7371.00	48.29	74.00	-25.71	39.04	9.25	Peak	100	77

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	ax HE40	**Test Freq. (MHz)**	2462
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):24 Humidity(%):64

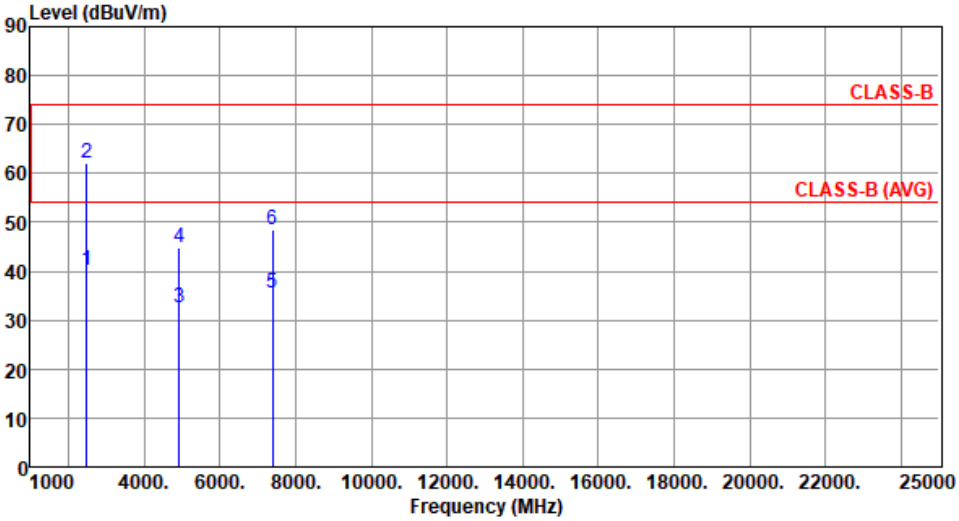


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	46.07	54.00	-7.93	48.77	-2.70	Average	113	190
2	2483.50	68.74	74.00	-5.26	71.44	-2.70	Peak	113	190
3	4924.00	32.59	54.00	-21.41	28.53	4.06	Average	203	44
4	4924.00	45.61	74.00	-28.39	41.55	4.06	Peak	203	44
5	7386.00	35.47	54.00	-18.53	26.22	9.25	Average	100	26
6	7386.00	48.55	74.00	-25.45	39.30	9.25	Peak	100	26

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	ax HE40	**Test Freq. (MHz)**	2462
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):24 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	40.06	54.00	-13.94	42.76	-2.70	Average	122	158
2	2483.50	62.21	74.00	-11.79	64.91	-2.70	Peak	122	158
3	4924.00	32.46	54.00	-21.54	28.40	4.06	Average	100	52
4	4924.00	44.83	74.00	-29.17	40.77	4.06	Peak	100	52
5	7386.00	35.61	54.00	-18.39	26.36	9.25	Average	100	13
6	7386.00	48.59	74.00	-25.41	39.34	9.25	Peak	100	13

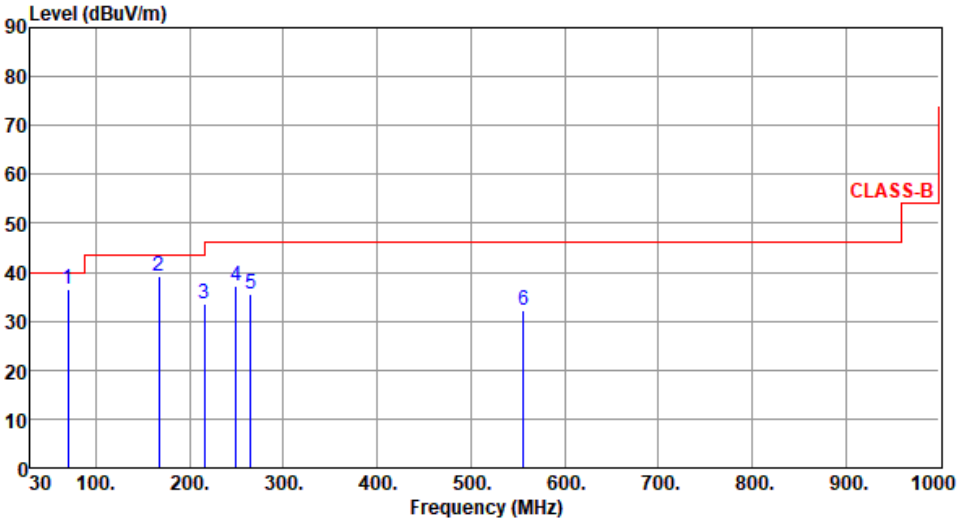
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

11ax Partial RU mode: Configuration 1: 1Tx, port 1, AYF6Y-100184 antenna

Unwanted Emissions (Below 1GHz)

Modulation	ax HE20_RU 26	**Test Freq. (MHz)**	2437
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

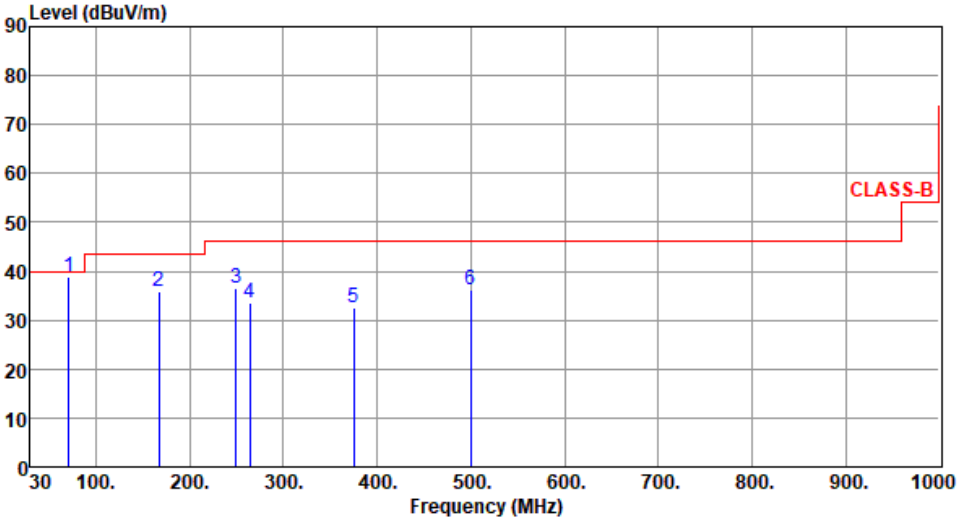


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	70.28	36.42	40.00	-3.58	47.38	-10.96	Peak	---	---
2	167.45	39.13	43.50	-4.37	48.09	-8.96	Peak	---	---
3	215.56	33.45	43.50	-10.05	45.39	-11.94	Peak	---	---
4	249.21	37.16	46.00	-8.84	47.24	-10.08	Peak	---	---
5	264.68	35.59	46.00	-10.41	45.03	-9.44	Peak	---	---
6	556.56	32.11	46.00	-13.89	34.39	-2.28	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).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	ax HE20_RU 26	**Test Freq. (MHz)**	2437
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):23 Humidity(%):65



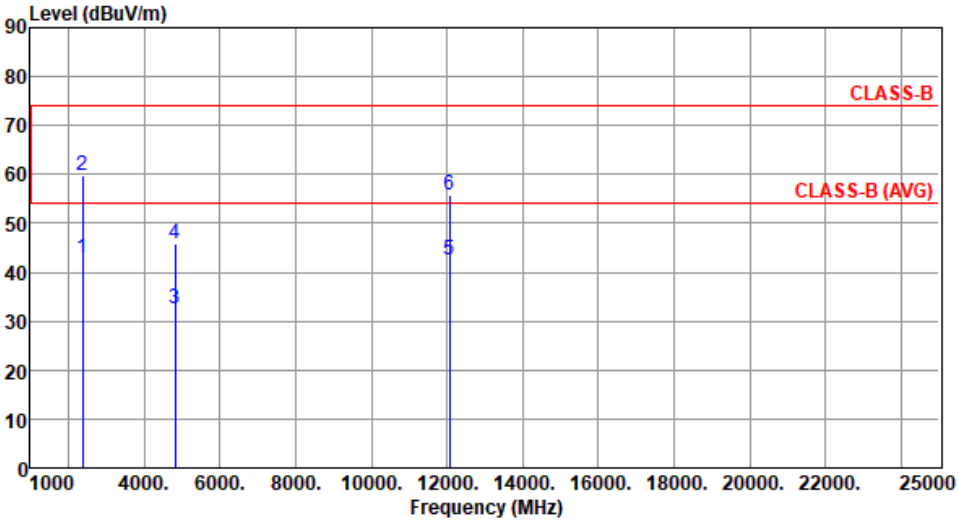
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	71.45	38.79	40.00	-1.21	49.90	-11.11	QP	123	266
2	167.42	35.81	43.50	-7.69	44.77	-8.96	Peak	---	---
3	249.21	36.58	46.00	-9.42	46.66	-10.08	Peak	---	---
4	264.58	33.66	46.00	-12.34	43.11	-9.45	Peak	---	---
5	375.16	32.66	46.00	-13.34	38.99	-6.33	Peak	---	---
6	500.26	36.12	46.00	-9.88	39.40	-3.28	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).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Unwanted Emissions (Above 1GHz) for ax HE20_RU26

Modulation	ax HE20_RU26	**Test Freq. (MHz)**	2412
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):23 Humidity(%):66

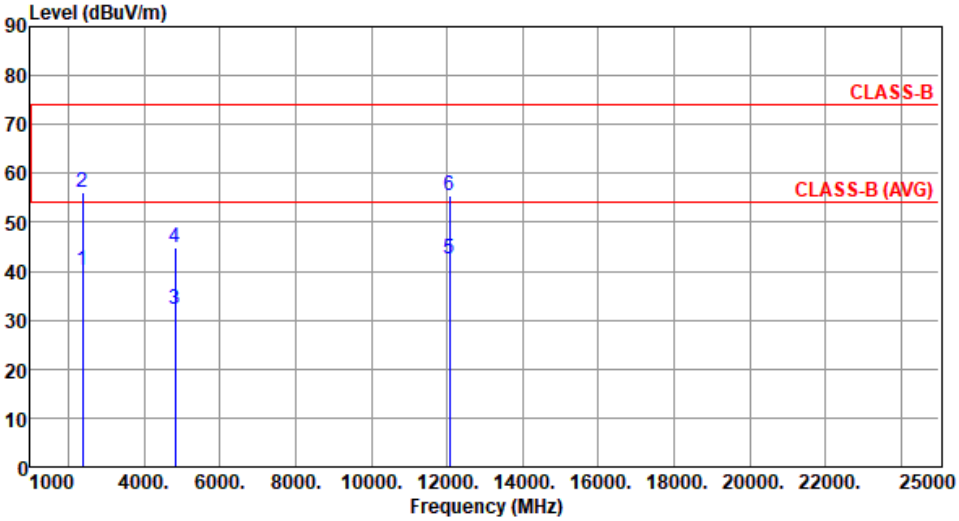


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	42.73	54.00	-11.27	45.48	-2.75	Average	149	296
2	2390.00	59.94	74.00	-14.06	62.69	-2.75	Peak	149	296
3	4824.00	32.65	54.00	-21.35	28.51	4.14	Average	241	19
4	4824.00	45.74	74.00	-28.26	41.60	4.14	Peak	241	19
5	12060.00	42.51	54.00	-11.49	28.72	13.79	Average	100	39
6	12060.00	55.64	74.00	-18.36	41.85	13.79	Peak	100	39

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	ax HE20_RU26	**Test Freq. (MHz)**	2412
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):23 Humidity(%):66

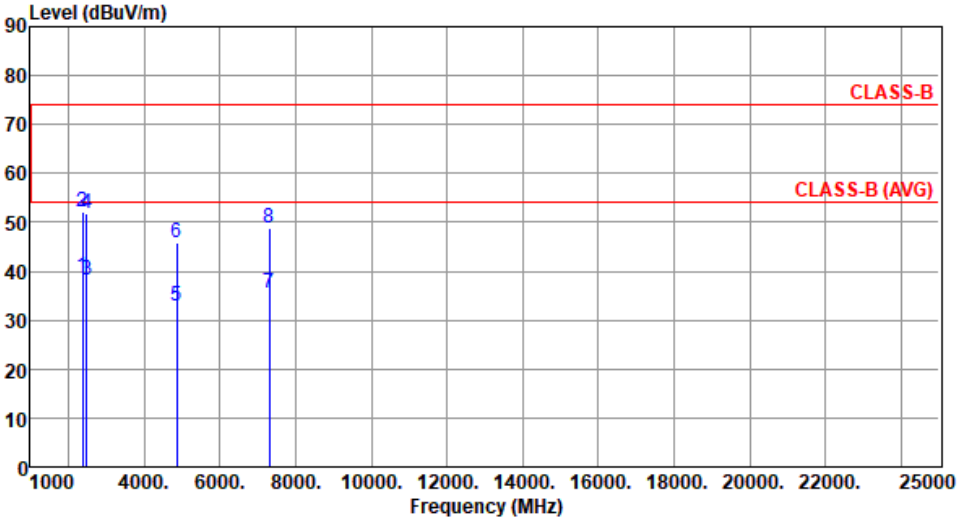


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	40.31	54.00	-13.69	43.06	-2.75	Average	105	169
2	2390.00	55.96	74.00	-18.04	58.71	-2.75	Peak	105	169
3	4824.00	32.31	54.00	-21.69	28.17	4.14	Average	100	91
4	4824.00	44.75	74.00	-29.25	40.61	4.14	Peak	100	91
5	12060.00	42.46	54.00	-11.54	28.67	13.79	Average	100	78
6	12060.00	55.54	74.00	-18.46	41.75	13.79	Peak	100	78

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	ax HE20_RU26	**Test Freq. (MHz)**	2437
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):23 Humidity(%):66

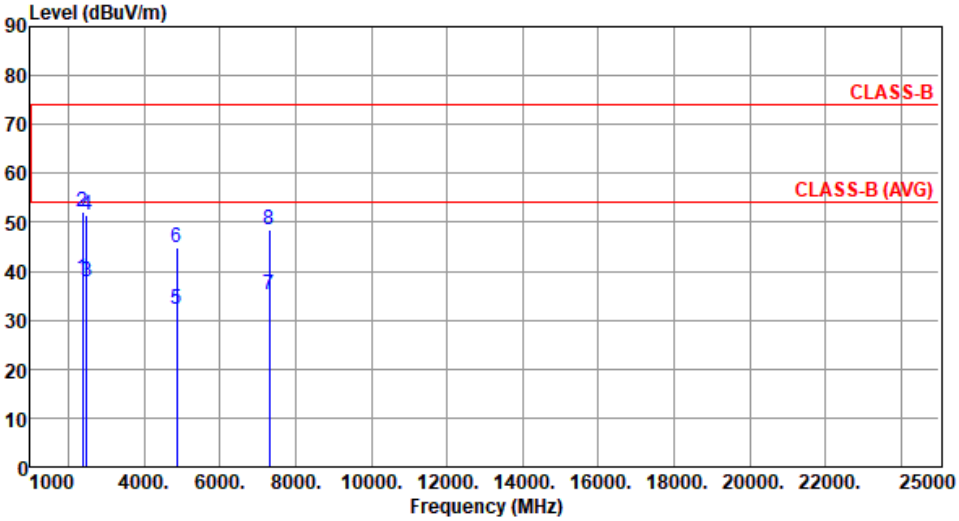


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	38.76	54.00	-15.24	41.51	-2.75	Average	149	295
2	2390.00	52.24	74.00	-21.76	54.99	-2.75	Peak	149	295
3	2483.50	38.11	54.00	-15.89	40.81	-2.70	Average	149	295
4	2483.50	51.81	74.00	-22.19	54.51	-2.70	Peak	149	295
5	4874.00	32.84	54.00	-21.16	28.71	4.13	Average	241	30
6	4874.00	45.96	74.00	-28.04	41.83	4.13	Peak	241	30
7	7311.00	35.69	54.00	-18.31	26.41	9.28	Average	100	51
8	7311.00	48.72	74.00	-25.28	39.44	9.28	Peak	100	51

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	ax HE20_RU26	**Test Freq. (MHz)**	2437
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):23 Humidity(%):66

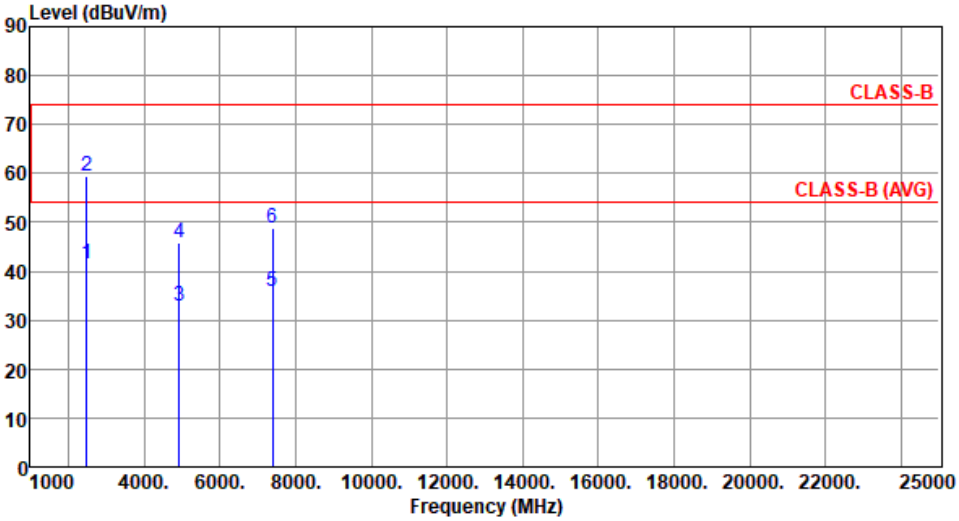


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	38.65	54.00	-15.35	41.40	-2.75	Average	100	198
2	2390.00	52.11	74.00	-21.89	54.86	-2.75	Peak	100	198
3	2483.50	38.02	54.00	-15.98	40.72	-2.70	Average	100	198
4	2483.50	51.45	74.00	-22.55	54.15	-2.70	Peak	100	198
5	4874.00	32.24	54.00	-21.76	28.11	4.13	Average	100	79
6	4874.00	44.75	74.00	-29.25	40.62	4.13	Peak	100	79
7	7311.00	35.36	54.00	-18.64	26.08	9.28	Average	100	62
8	7311.00	48.51	74.00	-25.49	39.23	9.28	Peak	100	62

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	ax HE20_RU26	**Test Freq. (MHz)**	2462
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):23 Humidity(%):66

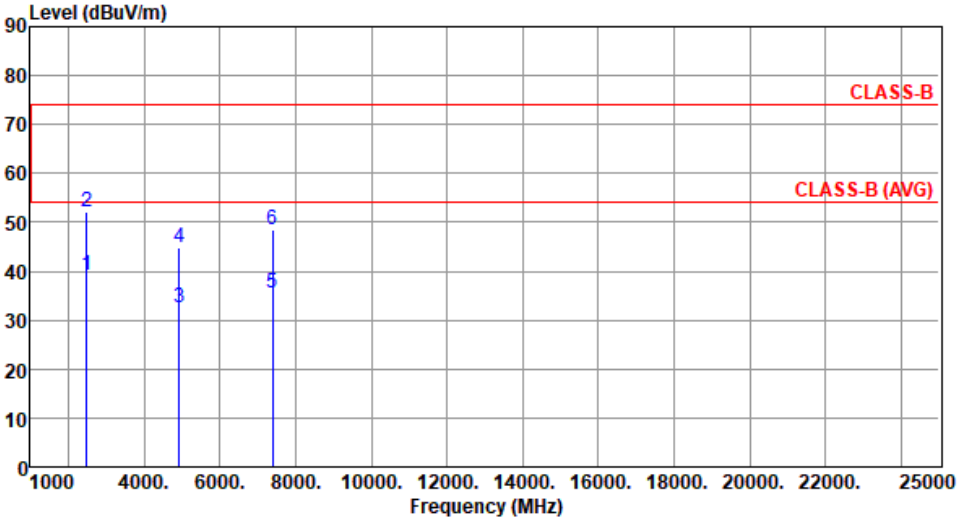


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	41.59	54.00	-12.41	44.29	-2.70	Average	146	298
2	2483.50	59.39	74.00	-14.61	62.09	-2.70	Peak	146	298
3	4924.00	32.75	54.00	-21.25	28.69	4.06	Average	248	21
4	4924.00	45.82	74.00	-28.18	41.76	4.06	Peak	248	21
5	7386.00	35.91	54.00	-18.09	26.66	9.25	Average	100	87
6	7386.00	48.75	74.00	-25.25	39.50	9.25	Peak	100	87

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	ax HE20_RU26	**Test Freq. (MHz)**	2462
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):23 Humidity(%):66

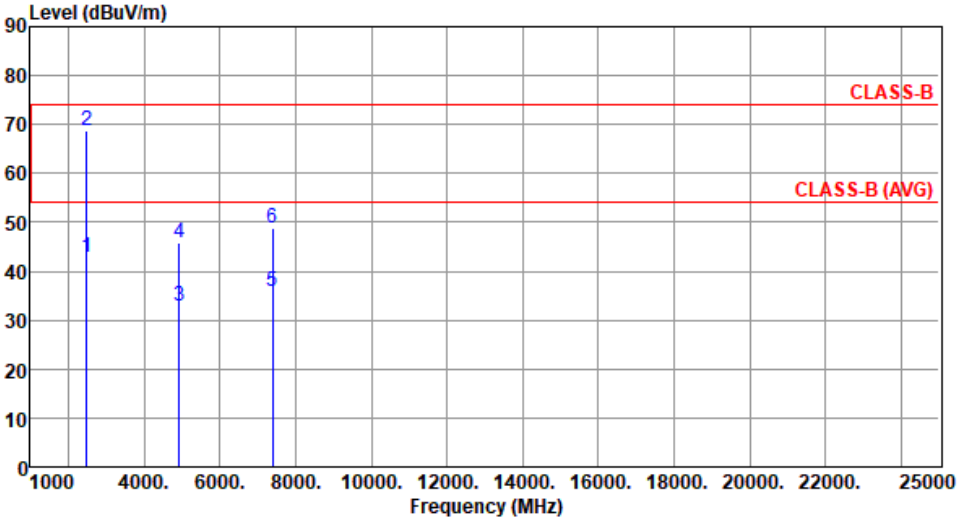


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	39.31	54.00	-14.69	42.01	-2.70	Average	109	181
2	2483.50	52.14	74.00	-21.86	54.84	-2.70	Peak	109	181
3	4924.00	32.56	54.00	-21.44	28.50	4.06	Average	100	79
4	4924.00	44.81	74.00	-29.19	40.75	4.06	Peak	100	79
5	7386.00	35.49	54.00	-18.51	26.24	9.25	Average	100	59
6	7386.00	48.52	74.00	-25.48	39.27	9.25	Peak	100	59

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	ax HE20_RU26	**Test Freq. (MHz)**	2467
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):23 Humidity(%):66

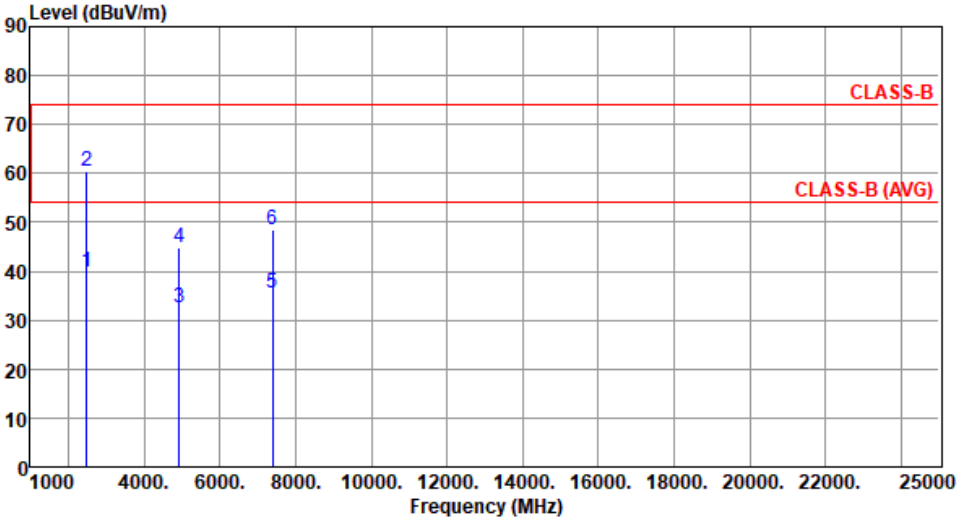


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	42.69	54.00	-11.31	45.39	-2.70	Average	143	298
2	2483.50	68.88	74.00	-5.12	71.58	-2.70	Peak	143	298
3	4934.00	32.78	54.00	-21.22	28.74	4.04	Average	211	52
4	4934.00	45.86	74.00	-28.14	41.82	4.04	Peak	211	52
5	7401.00	35.84	54.00	-18.16	26.60	9.24	Average	100	52
6	7401.00	48.96	74.00	-25.04	39.72	9.24	Peak	100	52

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	ax HE20_RU26	**Test Freq. (MHz)**	2467
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):23 Humidity(%):66

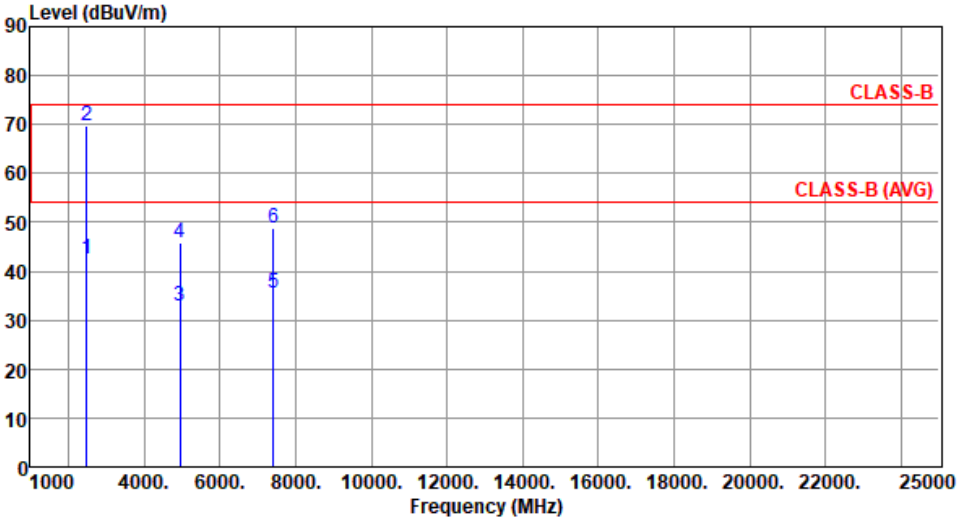


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	39.84	54.00	-14.16	42.54	-2.70	Average	109	198
2	2483.50	60.52	74.00	-13.48	63.22	-2.70	Peak	109	198
3	4934.00	32.59	54.00	-21.41	28.55	4.04	Average	100	56
4	4934.00	44.98	74.00	-29.02	40.94	4.04	Peak	100	56
5	7401.00	35.59	54.00	-18.41	26.35	9.24	Average	100	69
6	7401.00	48.64	74.00	-25.36	39.40	9.24	Peak	100	69

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	ax HE20_RU26	**Test Freq. (MHz)**	2472
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):23 Humidity(%):66

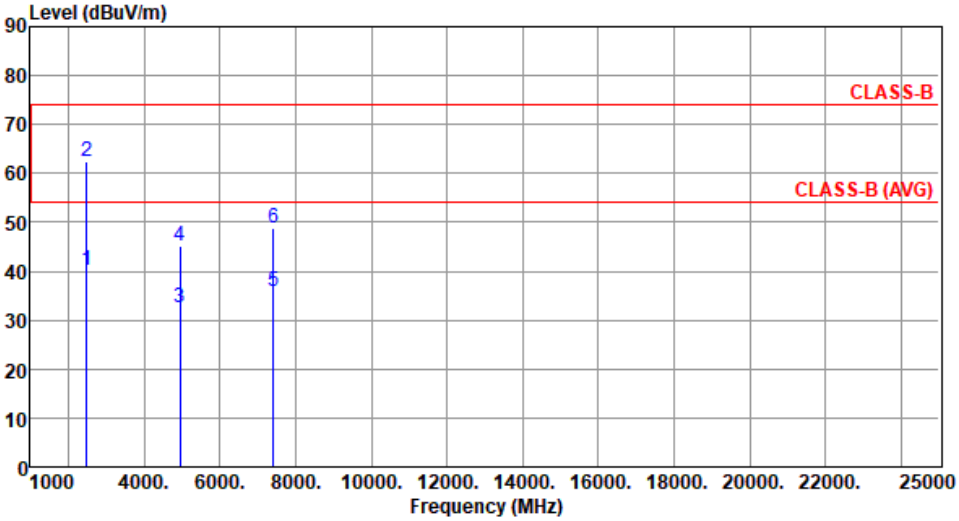


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	42.55	54.00	-11.45	45.25	-2.70	Average	128	297
2	2483.50	69.65	74.00	-4.35	72.35	-2.70	Peak	128	297
3	4944.00	32.86	54.00	-21.14	28.82	4.04	Average	222	49
4	4944.00	45.91	74.00	-28.09	41.87	4.04	Peak	222	49
5	7416.00	35.68	54.00	-18.32	26.39	9.29	Average	100	54
6	7416.00	48.79	74.00	-25.21	39.50	9.29	Peak	100	54

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	ax HE20_RU26	**Test Freq. (MHz)**	2472
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):23 Humidity(%):66



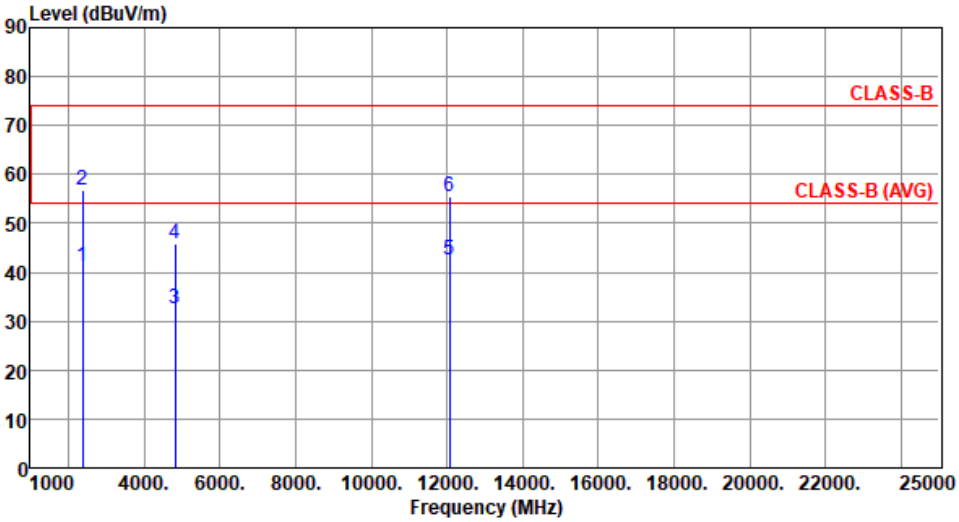
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	40.29	54.00	-13.71	42.99	-2.70	Average	122	196
2	2483.50	62.51	74.00	-11.49	65.21	-2.70	Peak	122	196
3	4944.00	32.65	54.00	-21.35	28.61	4.04	Average	100	51
4	4944.00	45.14	74.00	-28.86	41.10	4.04	Peak	100	51
5	7416.00	35.72	54.00	-18.28	26.43	9.29	Average	100	32
6	7416.00	48.69	74.00	-25.31	39.40	9.29	Peak	100	32

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 ax HE20_RU52

Modulation	ax HE20_RU52	**Test Freq. (MHz)**	2412
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):23 Humidity(%):66

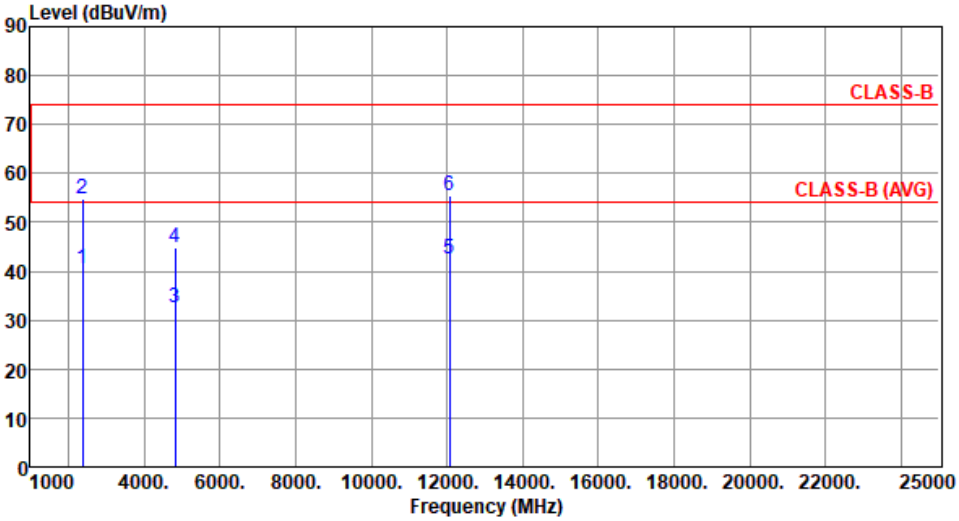


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	41.34	54.00	-12.66	44.09	-2.75	Average	151	299
2	2390.00	56.78	74.00	-17.22	59.53	-2.75	Peak	151	299
3	4824.00	32.59	54.00	-21.41	28.45	4.14	Average	239	24
4	4824.00	45.68	74.00	-28.32	41.54	4.14	Peak	239	24
5	12060.00	42.48	54.00	-11.52	28.69	13.79	Average	100	42
6	12060.00	55.61	74.00	-18.39	41.82	13.79	Peak	100	42

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	ax HE20_RU52	**Test Freq. (MHz)**	2412
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):23 Humidity(%):66

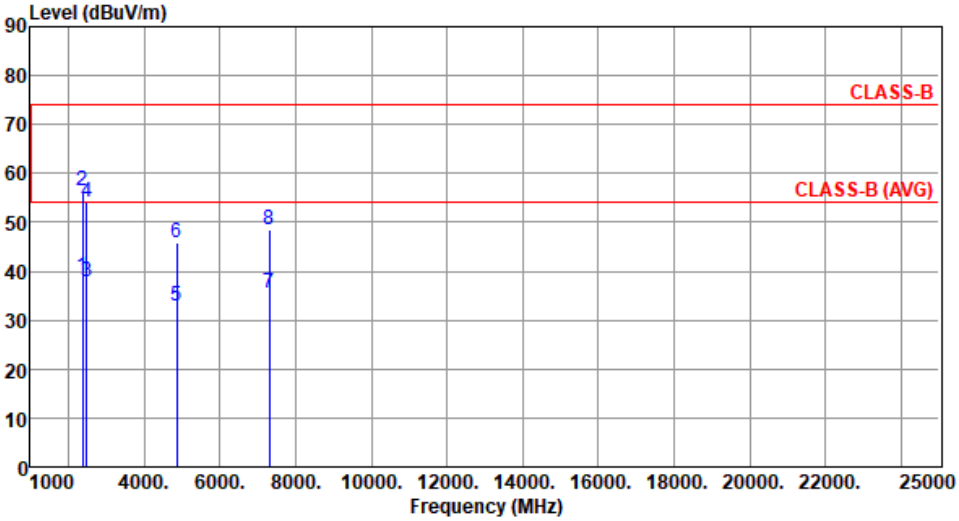


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	40.45	54.00	-13.55	43.20	-2.75	Average	103	182
2	2390.00	54.82	74.00	-19.18	57.57	-2.75	Peak	103	182
3	4824.00	32.44	54.00	-21.56	28.30	4.14	Average	100	96
4	4824.00	44.81	74.00	-29.19	40.67	4.14	Peak	100	96
5	12060.00	42.51	54.00	-11.49	28.72	13.79	Average	100	83
6	12060.00	55.62	74.00	-18.38	41.83	13.79	Peak	100	83

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	ax HE20_RU52	**Test Freq. (MHz)**	2437
Polarization	Horizontal		

Test By :Brad Wu Temperature(°C):23 Humidity(%):66

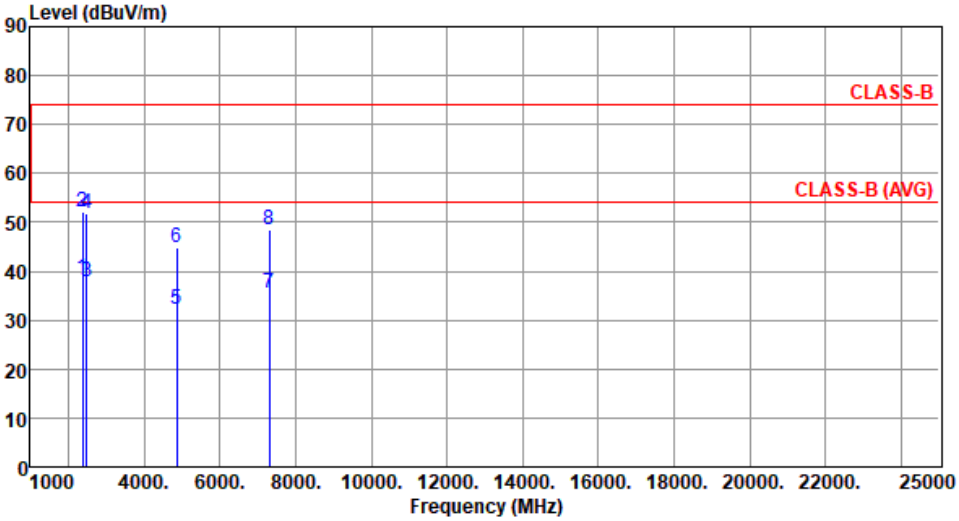


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	38.88	54.00	-15.12	41.63	-2.75	Average	146	296
2	2390.00	56.61	74.00	-17.39	59.36	-2.75	Peak	146	296
3	2483.50	37.92	54.00	-16.08	40.62	-2.70	Average	146	296
4	2483.50	54.29	74.00	-19.71	56.99	-2.70	Peak	146	296
5	4874.00	32.81	54.00	-21.19	28.68	4.13	Average	225	36
6	4874.00	45.93	74.00	-28.07	41.80	4.13	Peak	225	36
7	7311.00	35.61	54.00	-18.39	26.33	9.28	Average	100	55
8	7311.00	48.65	74.00	-25.35	39.37	9.28	Peak	100	55

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	ax HE20_RU52	**Test Freq. (MHz)**	2437
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):23 Humidity(%):66

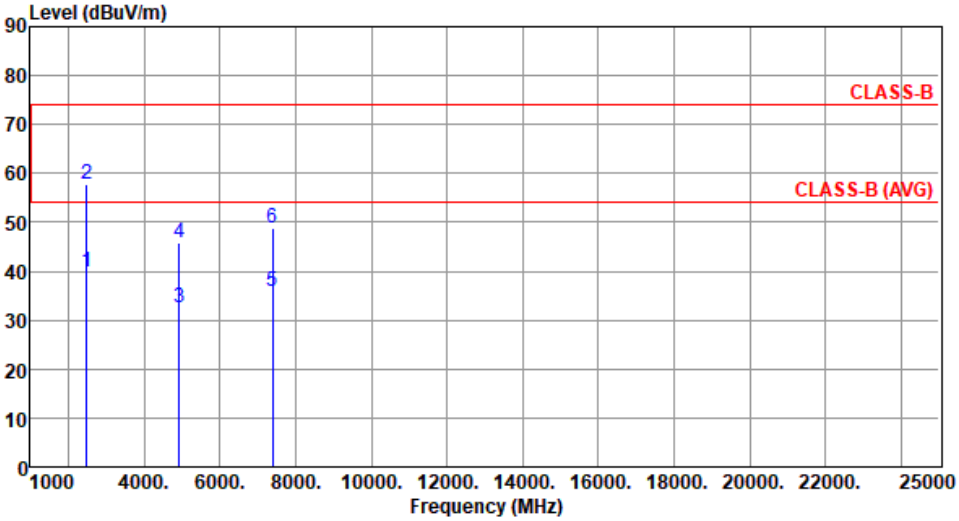


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	38.65	54.00	-15.35	41.40	-2.75	Average	102	195
2	2390.00	52.29	74.00	-21.71	55.04	-2.75	Peak	102	195
3	2483.50	37.81	54.00	-16.19	40.51	-2.70	Average	102	195
4	2483.50	51.86	74.00	-22.14	54.56	-2.70	Peak	102	195
5	4874.00	32.36	54.00	-21.64	28.23	4.13	Average	100	55
6	4874.00	44.81	74.00	-29.19	40.68	4.13	Peak	100	55
7	7311.00	35.41	54.00	-18.59	26.13	9.28	Average	100	59
8	7311.00	48.56	74.00	-25.44	39.28	9.28	Peak	100	59

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	ax HE20_RU52	**Test Freq. (MHz)**	2462
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):23 Humidity(%):66

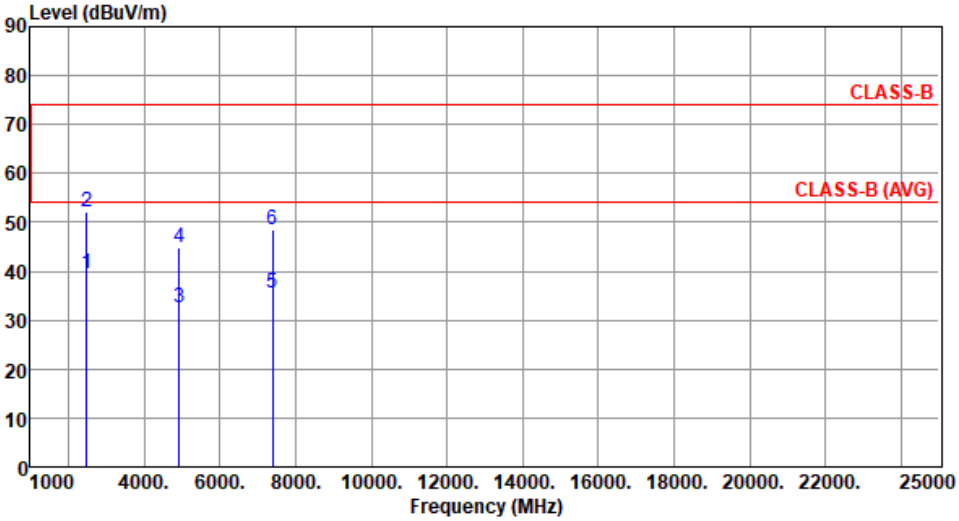


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	39.76	54.00	-14.24	42.46	-2.70	Average	144	299
2	2483.50	57.88	74.00	-16.12	60.58	-2.70	Peak	144	299
3	4924.00	32.68	54.00	-21.32	28.62	4.06	Average	231	35
4	4924.00	45.74	74.00	-28.26	41.68	4.06	Peak	231	35
5	7386.00	35.82	54.00	-18.18	26.57	9.25	Average	100	91
6	7386.00	48.69	74.00	-25.31	39.44	9.25	Peak	100	91

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	ax HE20_RU52	**Test Freq. (MHz)**	2462
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):23 Humidity(%):66

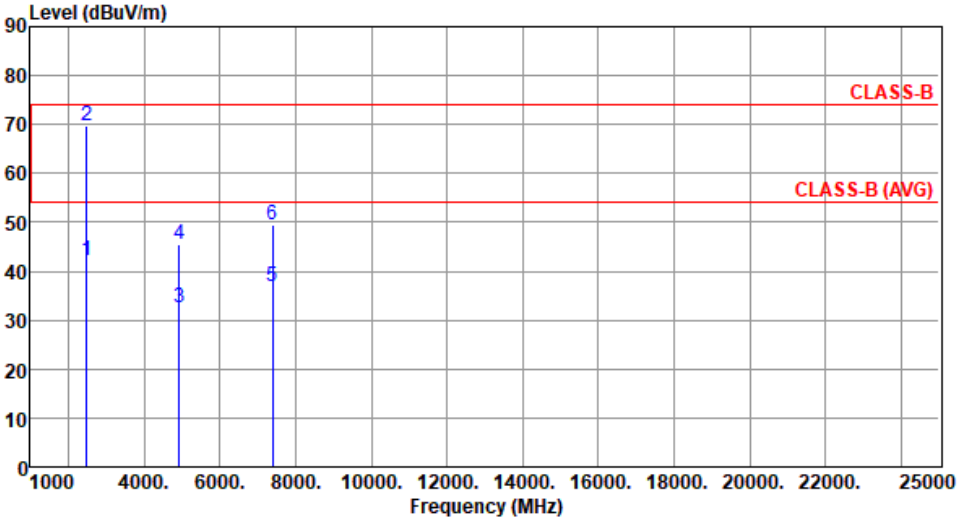


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	39.41	54.00	-14.59	42.11	-2.70	Average	103	186
2	2483.50	52.24	74.00	-21.76	54.94	-2.70	Peak	103	186
3	4924.00	32.51	54.00	-21.49	28.45	4.06	Average	100	81
4	4924.00	44.76	74.00	-29.24	40.70	4.06	Peak	100	81
5	7386.00	35.42	54.00	-18.58	26.17	9.25	Average	100	63
6	7386.00	48.45	74.00	-25.55	39.20	9.25	Peak	100	63

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	ax HE20_RU52	**Test Freq. (MHz)**	2467
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):24 Humidity(%):68

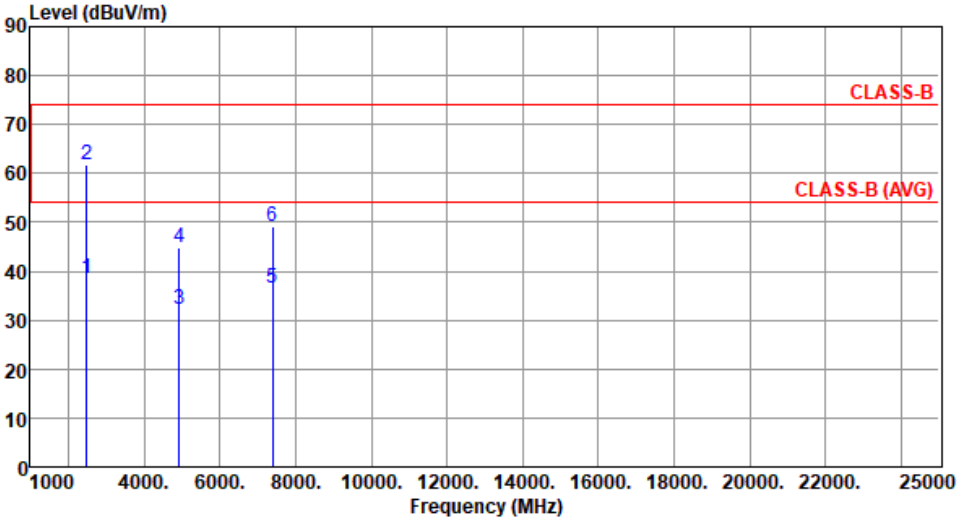


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	42.11	54.00	-11.89	44.81	-2.70	Average	149	297
2	2483.50	69.59	74.00	-4.41	72.29	-2.70	Peak	149	297
3	4934.00	32.50	54.00	-21.50	28.46	4.04	Average	230	40
4	4934.00	45.60	74.00	-28.40	41.56	4.04	Peak	230	40
5	7401.00	36.72	54.00	-17.28	27.48	9.24	Average	100	80
6	7401.00	49.39	74.00	-24.61	40.15	9.24	Peak	100	80

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	ax HE20_RU52	**Test Freq. (MHz)**	2467
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):24 Humidity(%):68

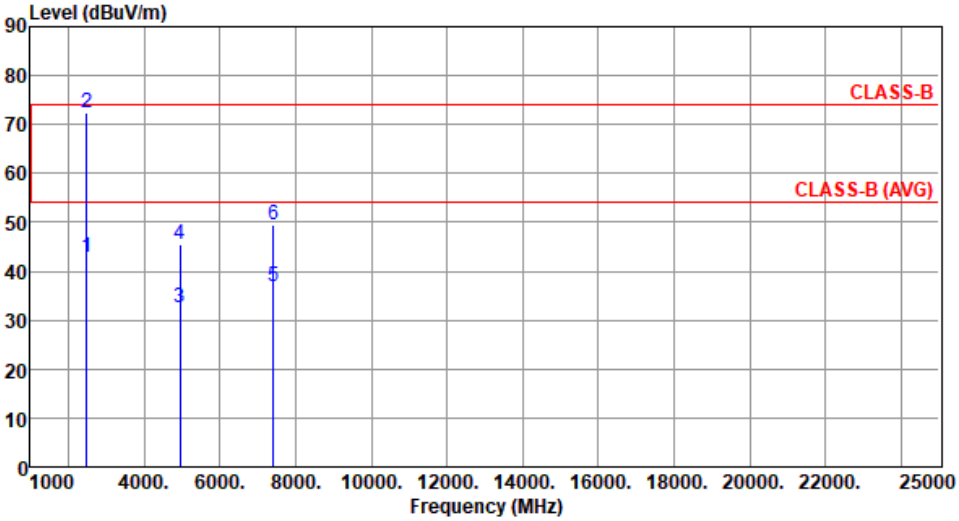


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	38.49	54.00	-15.51	41.19	-2.70	Average	105	188
2	2483.50	61.89	74.00	-12.11	64.59	-2.70	Peak	105	188
3	4934.00	32.26	54.00	-21.74	28.22	4.04	Average	100	60
4	4934.00	44.94	74.00	-29.06	40.90	4.04	Peak	100	60
5	7401.00	36.39	54.00	-17.61	27.15	9.24	Average	100	30
6	7401.00	49.26	74.00	-24.74	40.02	9.24	Peak	100	30

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	ax HE20_RU52	**Test Freq. (MHz)**	2472
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):24 Humidity(%):68

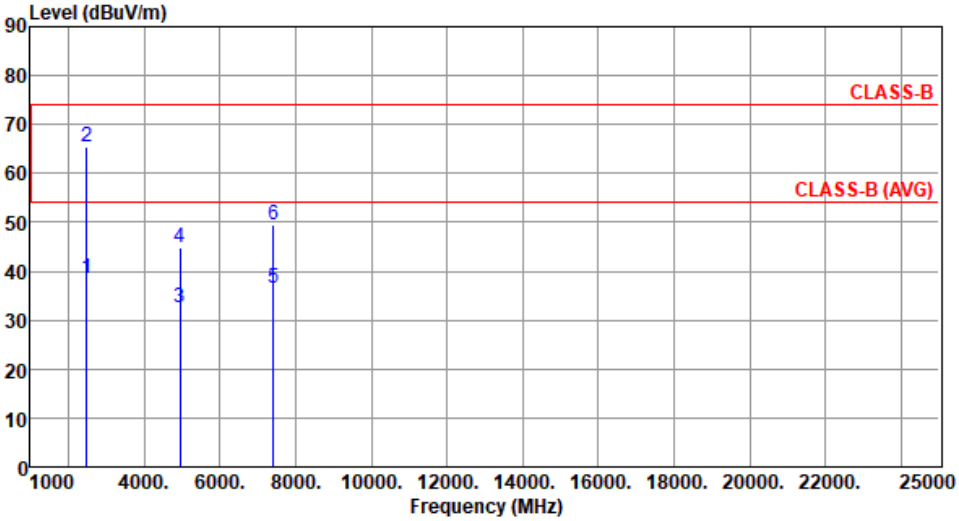


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	42.75	54.00	-11.25	45.45	-2.70	Average	146	295
2	2483.50	72.44	74.00	-1.56	75.14	-2.70	Peak	146	295
3	4944.00	32.59	54.00	-21.41	28.55	4.04	Average	229	33
4	4944.00	45.52	74.00	-28.48	41.48	4.04	Peak	229	33
5	7416.00	36.94	54.00	-17.06	27.65	9.29	Average	100	60
6	7416.00	49.54	74.00	-24.46	40.25	9.29	Peak	100	60

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	ax HE20_RU52	**Test Freq. (MHz)**	2472
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):24 Humidity(%):68



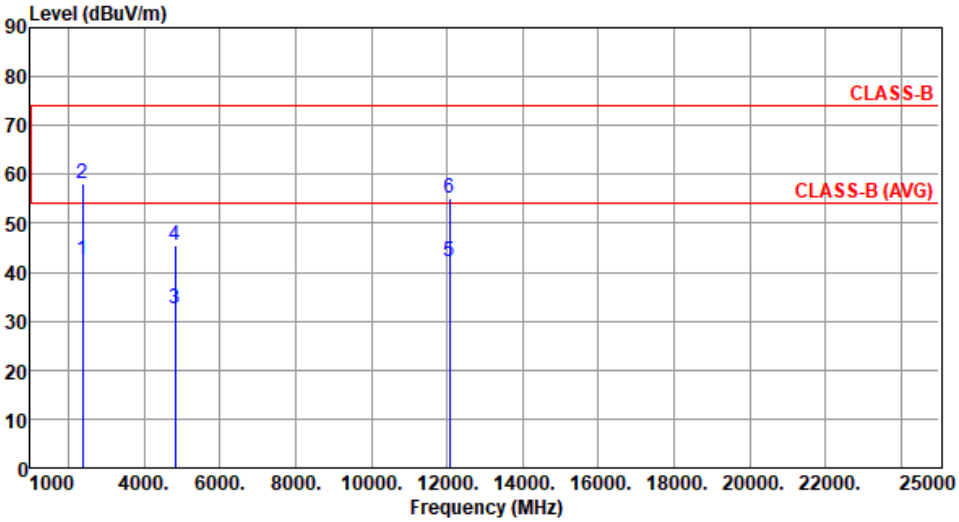
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	38.55	54.00	-15.45	41.25	-2.70	Average	105	189
2	2483.50	65.51	74.00	-8.49	68.21	-2.70	Peak	105	189
3	4944.00	32.46	54.00	-21.54	28.42	4.04	Average	100	80
4	4944.00	44.72	74.00	-29.28	40.68	4.04	Peak	100	80
5	7416.00	36.55	54.00	-17.45	27.26	9.29	Average	100	40
6	7416.00	49.42	74.00	-24.58	40.13	9.29	Peak	100	40

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 ax HE20_RU106

Modulation	ax HE20_RU106	**Test Freq. (MHz)**	2412
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):24 Humidity(%):68

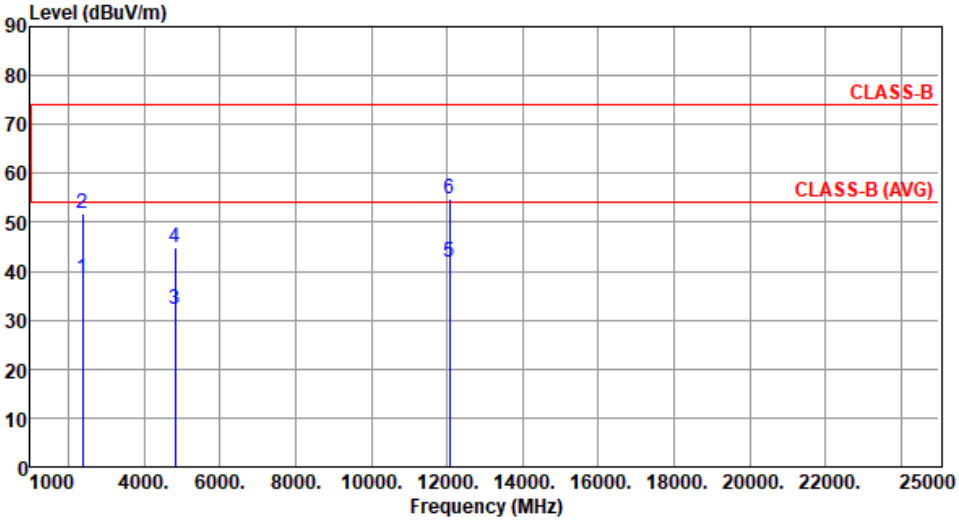


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	42.62	54.00	-11.38	45.37	-2.75	Average	144	298
2	2390.00	58.09	74.00	-15.91	60.84	-2.75	Peak	144	298
3	4824.00	32.40	54.00	-21.60	28.26	4.14	Average	100	40
4	4824.00	45.45	74.00	-28.55	41.31	4.14	Peak	100	40
5	12060.00	42.09	54.00	-11.91	28.30	13.79	Average	100	90
6	12060.00	55.16	74.00	-18.84	41.37	13.79	Peak	100	90

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	ax HE20_RU106	**Test Freq. (MHz)**	2412
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):24 Humidity(%):68

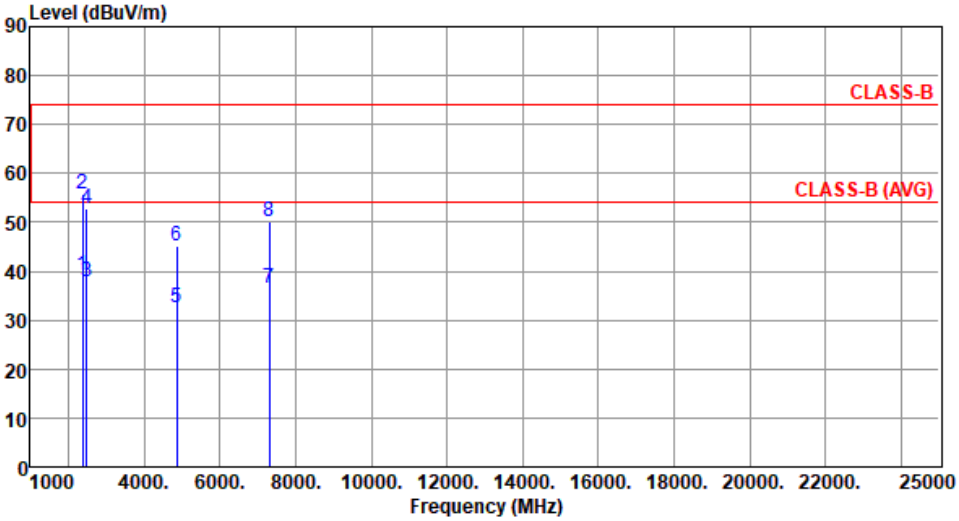


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	38.53	54.00	-15.47	41.28	-2.75	Average	106	183
2	2390.00	51.84	74.00	-22.16	54.59	-2.75	Peak	106	183
3	4824.00	32.29	54.00	-21.71	28.15	4.14	Average	100	30
4	4824.00	44.71	74.00	-29.29	40.57	4.14	Peak	100	30
5	12060.00	41.93	54.00	-12.07	28.14	13.79	Average	100	80
6	12060.00	54.93	74.00	-19.07	41.14	13.79	Peak	100	80

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	ax HE20_RU106	**Test Freq. (MHz)**	2437
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):24 Humidity(%):68

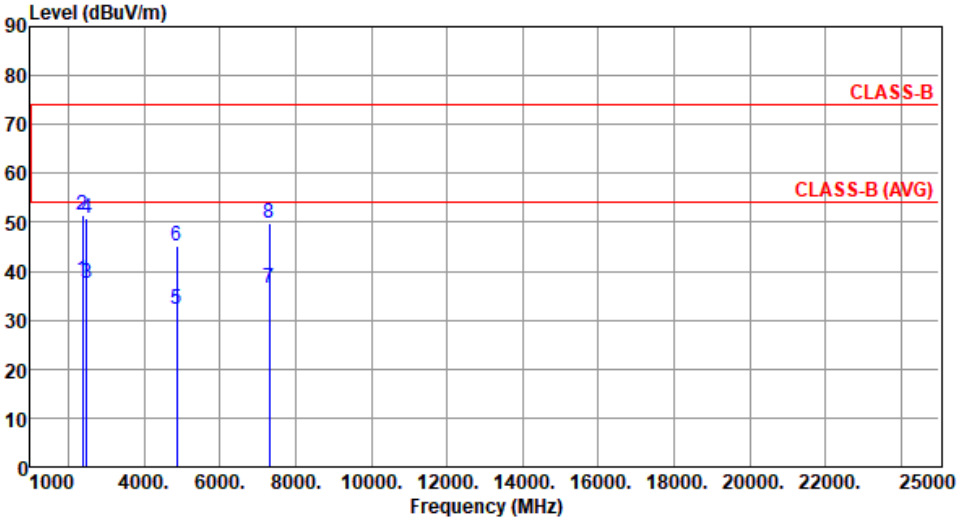


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	39.31	54.00	-14.69	42.06	-2.75	Average	138	296
2	2390.00	55.81	74.00	-18.19	58.56	-2.75	Peak	138	296
3	2483.50	37.83	54.00	-16.17	40.53	-2.70	Average	138	296
4	2483.50	52.93	74.00	-21.07	55.63	-2.70	Peak	138	296
5	4874.00	32.58	54.00	-21.42	28.45	4.13	Average	100	60
6	4874.00	45.15	74.00	-28.85	41.02	4.13	Peak	100	60
7	7311.00	36.57	54.00	-17.43	27.29	9.28	Average	100	40
8	7311.00	50.17	74.00	-23.83	40.89	9.28	Peak	100	40

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	ax HE20_RU106	**Test Freq. (MHz)**	2437
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):24 Humidity(%):68

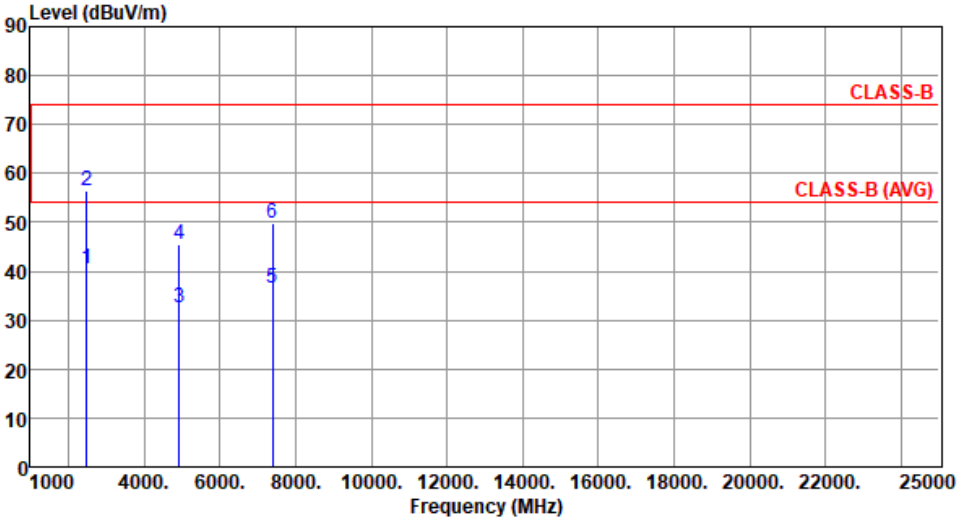


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	38.10	54.00	-15.90	40.85	-2.75	Average	105	189
2	2390.00	51.51	74.00	-22.49	54.26	-2.75	Peak	105	189
3	2483.50	37.55	54.00	-16.45	40.25	-2.70	Average	105	189
4	2483.50	50.89	74.00	-23.11	53.59	-2.70	Peak	105	189
5	4874.00	32.38	54.00	-21.62	28.25	4.13	Average	100	30
6	4874.00	45.12	74.00	-28.88	40.99	4.13	Peak	100	30
7	7311.00	36.43	54.00	-17.57	27.15	9.28	Average	100	60
8	7311.00	49.94	74.00	-24.06	40.66	9.28	Peak	100	60

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	ax HE20_RU106	**Test Freq. (MHz)**	2462
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):24 Humidity(%):68

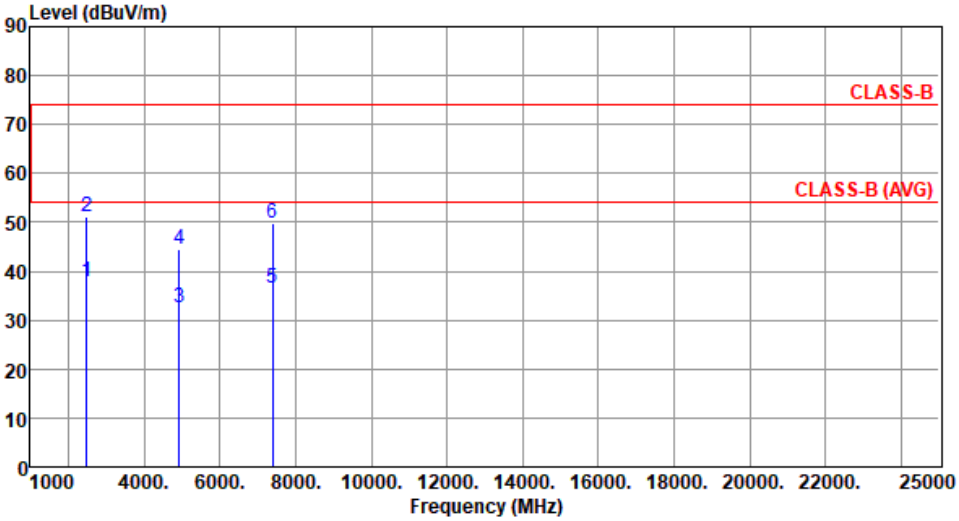


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	40.55	54.00	-13.45	43.25	-2.70	Average	128	297
2	2483.50	56.38	74.00	-17.62	59.08	-2.70	Peak	128	297
3	4924.00	32.65	54.00	-21.35	28.59	4.06	Average	100	30
4	4924.00	45.34	74.00	-28.66	41.28	4.06	Peak	100	30
5	7386.00	36.70	54.00	-17.30	27.45	9.25	Average	100	90
6	7386.00	49.93	74.00	-24.07	40.68	9.25	Peak	100	90

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	ax HE20_RU106	**Test Freq. (MHz)**	2462
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):24 Humidity(%):68

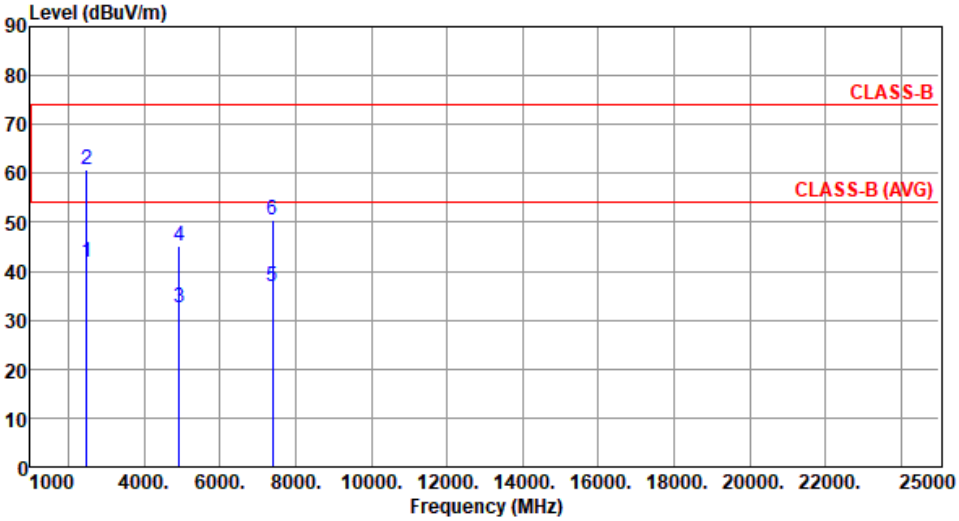


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	37.95	54.00	-16.05	40.65	-2.70	Average	105	184
2	2483.50	51.18	74.00	-22.82	53.88	-2.70	Peak	105	184
3	4924.00	32.48	54.00	-21.52	28.42	4.06	Average	100	20
4	4924.00	44.65	74.00	-29.35	40.59	4.06	Peak	100	20
5	7386.00	36.46	54.00	-17.54	27.21	9.25	Average	100	80
6	7386.00	49.70	74.00	-24.30	40.45	9.25	Peak	100	80

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	ax HE20_RU106	**Test Freq. (MHz)**	2467
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):24 Humidity(%):68

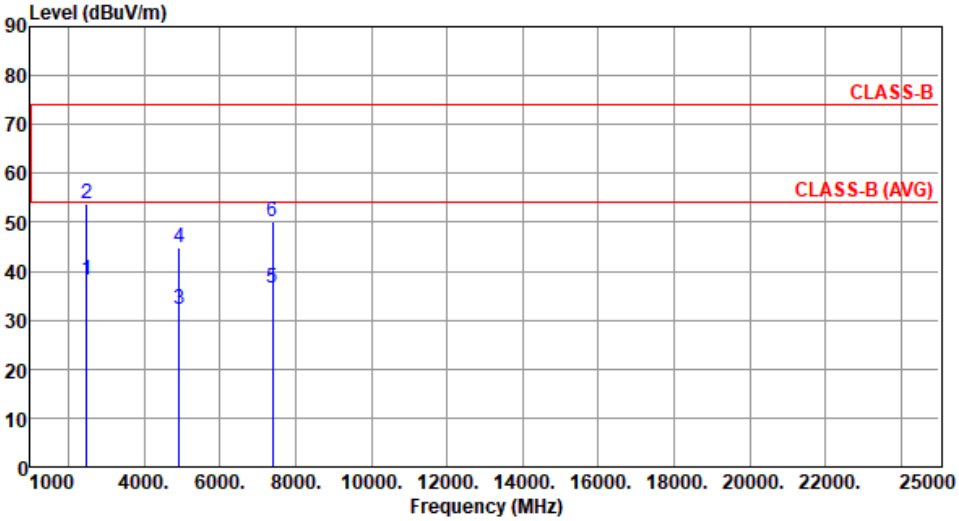


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	41.92	54.00	-12.08	44.62	-2.70	Average	128	301
2	2483.50	60.92	74.00	-13.08	63.62	-2.70	Peak	128	301
3	4934.00	32.42	54.00	-21.58	28.38	4.04	Average	100	40
4	4934.00	45.02	74.00	-28.98	40.98	4.04	Peak	100	40
5	7401.00	36.92	54.00	-17.08	27.68	9.24	Average	100	90
6	7401.00	50.52	74.00	-23.48	41.28	9.24	Peak	100	90

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	ax HE20_RU106	**Test Freq. (MHz)**	2467
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):24 Humidity(%):68

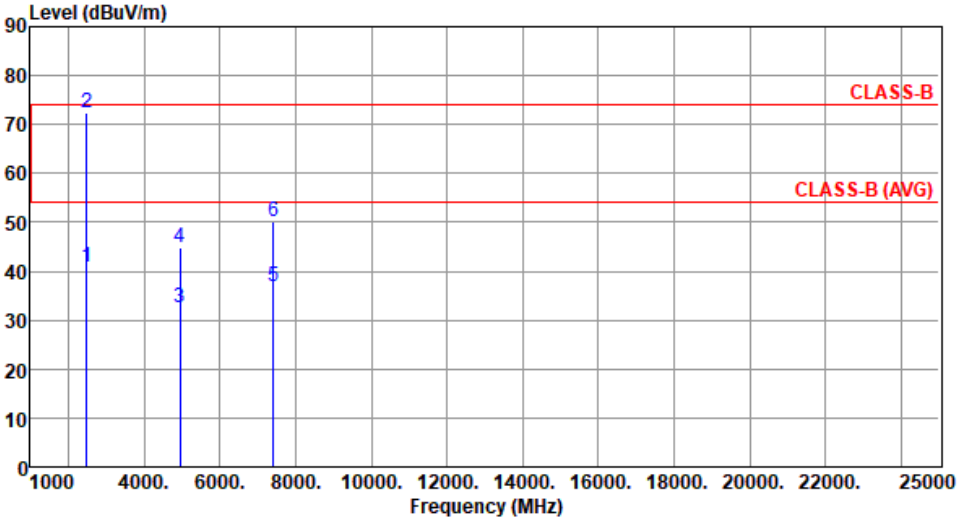


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	38.17	54.00	-15.83	40.87	-2.70	Average	100	188
2	2483.50	53.78	74.00	-20.22	56.48	-2.70	Peak	100	188
3	4934.00	32.17	54.00	-21.83	28.13	4.04	Average	100	20
4	4934.00	44.72	74.00	-29.28	40.68	4.04	Peak	100	20
5	7401.00	36.57	54.00	-17.43	27.33	9.24	Average	100	70
6	7401.00	50.10	74.00	-23.90	40.86	9.24	Peak	100	70

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	ax HE20_RU106	**Test Freq. (MHz)**	2472
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):24 Humidity(%):68

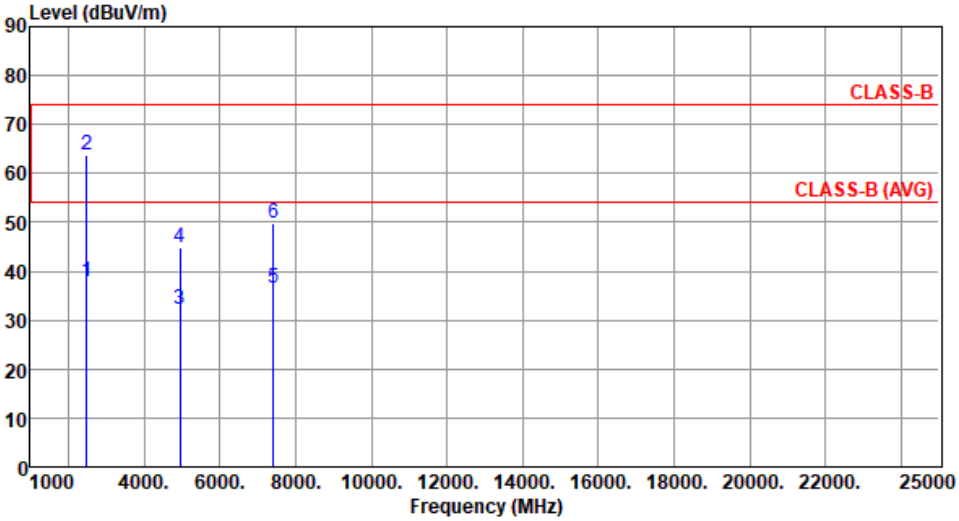


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	40.89	54.00	-13.11	43.59	-2.70	Average	121	299
2	2483.50	72.25	74.00	-1.75	74.95	-2.70	Peak	121	299
3	4944.00	32.57	54.00	-21.43	28.53	4.04	Average	100	70
4	4944.00	44.99	74.00	-29.01	40.95	4.04	Peak	100	70
5	7416.00	36.74	54.00	-17.26	27.45	9.29	Average	100	30
6	7416.00	50.15	74.00	-23.85	40.86	9.29	Peak	100	30

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	ax HE20_RU106	**Test Freq. (MHz)**	2472
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):24 Humidity(%):68



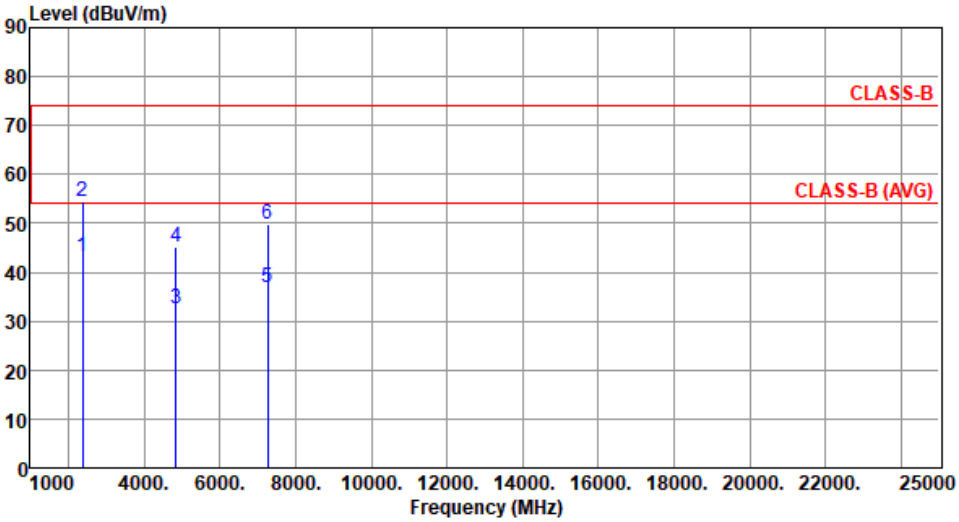
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	37.94	54.00	-16.06	40.64	-2.70	Average	102	187
2	2483.50	63.84	74.00	-10.16	66.54	-2.70	Peak	102	187
3	4944.00	32.16	54.00	-21.84	28.12	4.04	Average	100	65
4	4944.00	44.71	74.00	-29.29	40.67	4.04	Peak	100	65
5	7416.00	36.54	54.00	-17.46	27.25	9.29	Average	100	80
6	7416.00	49.83	74.00	-24.17	40.54	9.29	Peak	100	80

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 ax HE40_RU242

Modulation	ax HE40_RU242	**Test Freq. (MHz)**	2422
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):24 Humidity(%):68

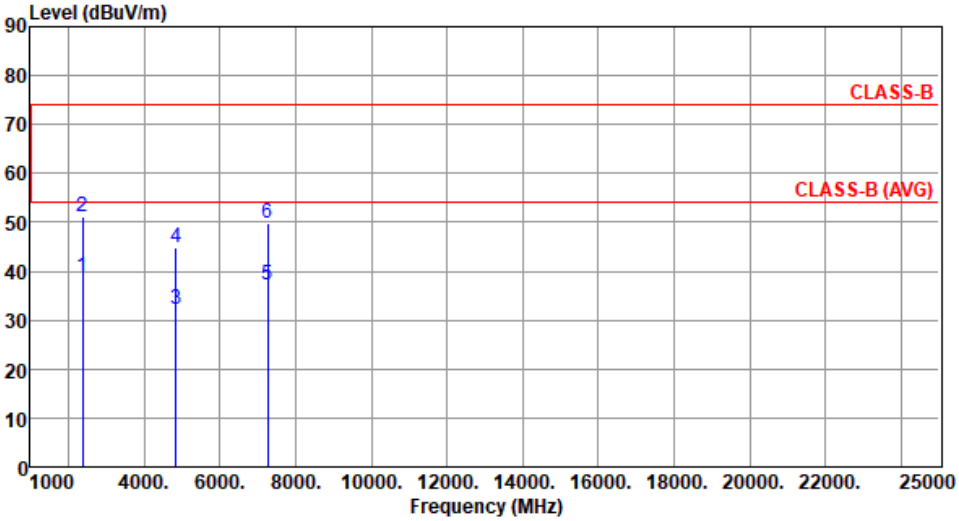


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	43.21	54.00	-10.79	45.96	-2.75	Average	115	296
2	2390.00	54.61	74.00	-19.39	57.36	-2.75	Peak	115	296
3	4844.00	32.42	54.00	-21.58	28.26	4.16	Average	100	50
4	4844.00	45.02	74.00	-28.98	40.86	4.16	Peak	100	50
5	7266.00	36.92	54.00	-17.08	27.69	9.23	Average	100	30
6	7266.00	49.80	74.00	-24.20	40.57	9.23	Peak	100	30

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	ax HE40_RU242	**Test Freq. (MHz)**	2422
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):24 Humidity(%):68

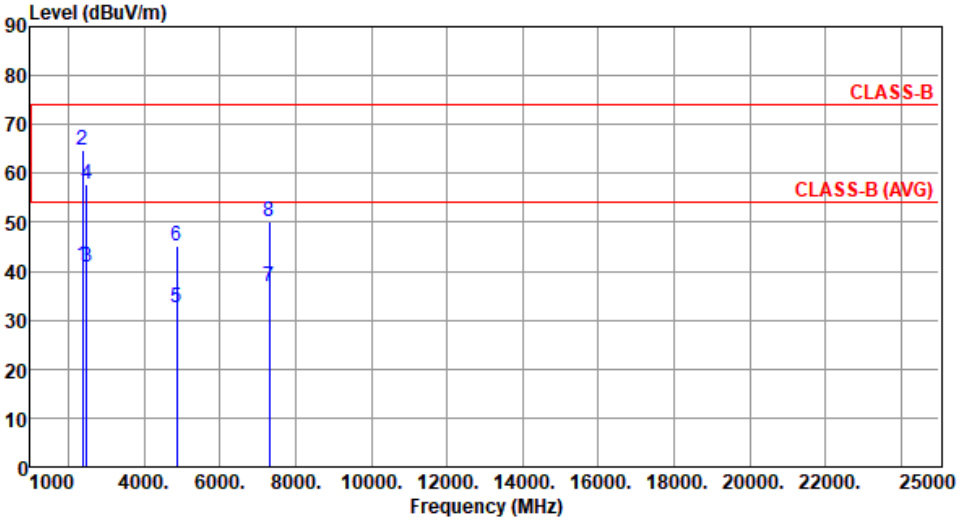


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	38.83	54.00	-15.17	41.58	-2.75	Average	109	184
2	2390.00	51.21	74.00	-22.79	53.96	-2.75	Peak	109	184
3	4844.00	32.31	54.00	-21.69	28.15	4.16	Average	100	20
4	4844.00	44.80	74.00	-29.20	40.64	4.16	Peak	100	20
5	7266.00	37.09	54.00	-16.91	27.86	9.23	Average	100	50
6	7266.00	49.92	74.00	-24.08	40.69	9.23	Peak	100	50

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	ax HE40_RU242	**Test Freq. (MHz)**	2437
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):24 Humidity(%):68

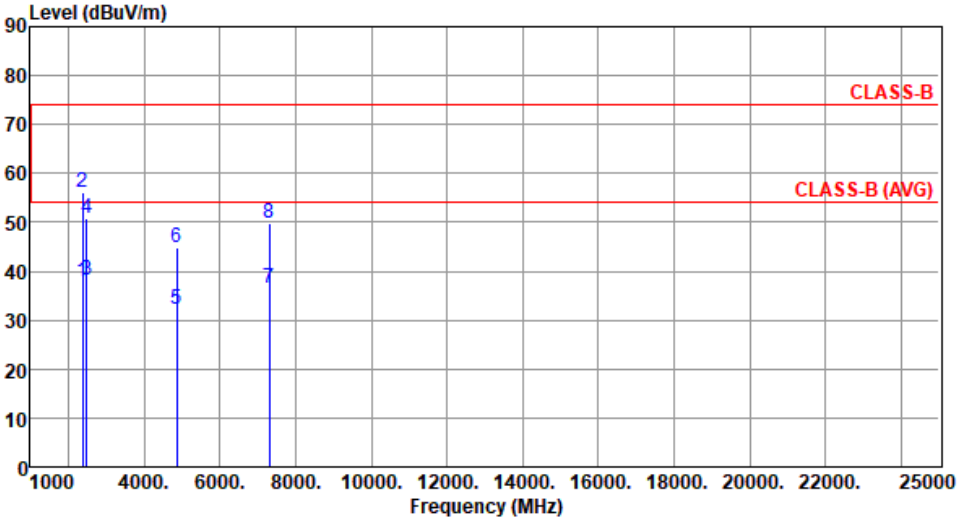


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	41.13	54.00	-12.87	43.88	-2.75	Average	116	298
2	2390.00	64.92	74.00	-9.08	67.67	-2.75	Peak	116	298
3	2483.50	40.89	54.00	-13.11	43.59	-2.70	Average	116	298
4	2483.50	57.88	74.00	-16.12	60.58	-2.70	Peak	116	298
5	4874.00	32.56	54.00	-21.44	28.43	4.13	Average	100	90
6	4874.00	45.02	74.00	-28.98	40.89	4.13	Peak	100	90
7	7311.00	36.81	54.00	-17.19	27.53	9.28	Average	100	70
8	7311.00	50.03	74.00	-23.97	40.75	9.28	Peak	100	70

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	ax HE40_RU242	**Test Freq. (MHz)**	2437
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):24 Humidity(%):68



	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	37.83	54.00	-16.17	40.58	-2.75	Average	103	188
2	2390.00	56.20	74.00	-17.80	58.95	-2.75	Peak	103	188
3	2483.50	38.19	54.00	-15.81	40.89	-2.70	Average	103	188
4	2483.50	50.94	74.00	-23.06	53.64	-2.70	Peak	103	188
5	4874.00	32.38	54.00	-21.62	28.25	4.13	Average	100	80
6	4874.00	44.78	74.00	-29.22	40.65	4.13	Peak	100	80
7	7311.00	36.66	54.00	-17.34	27.38	9.28	Average	100	50
8	7311.00	49.94	74.00	-24.06	40.66	9.28	Peak	100	50

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).