Testing Laboratory 3787

RADIO TEST REPORT

FCC ID	:	QXO-AP5020
Equipment	:	Access Point
Brand Name	:	Extreme Networks
Model Name	:	AP5020
Applicant	:	Extreme Networks, Inc. 2121 RDU Center Drive Morrisville North Carolina United States 27560
Manufacturer	:	Extreme Networks, Inc. 2121 RDU Center Drive Morrisville North Carolina United States 27560
Standard	:	47 CFR FCC Part 15.247

The product was received on Dec. 14, 2023, and testing was started from Jan. 11, 2024 and completed on Apr. 03, 2024. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Hsinchu Laboratory, the test report shall not be reproduced except in full.

Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory
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History of this test report

Report No.	Version	Description	Issued Date
FR410321AA	01	Initial issue of report	Apr. 30, 2024

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.247(a)	DTS Bandwidth	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	PASS	-
3.4	15.247(e)	Power Spectral Density	PASS	-
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.6	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-

Conformity Assessment Condition:
1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account. 2. The measurement uncertainty please refer to each test result in the chapter "Measurement Uncertainty".
Disclaimer:
The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Sam Chen
Report Producer: Lavender Zeng

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
2400-2483.5	b, g, n (HT20), ac (VHT20), ax (HEW20), be (EHT20)	2412-2462	1-11 [11]

For Radio 1

Band	Mode	BWch	Nant
2.4-2.4835GHz	802.11b	20	2TX/4TX
2.4-2.4835GHz	802.11g	20	2TX/4TX
2.4-2.4835GHz	802.11n HT20	20	2TX/4TX
2.4-2.4835GHz	802.11n HT20-BF	20	2TX/4TX
2.4-2.4835GHz	VHT20	20	2TX/4TX
2.4-2.4835GHz	VHT20-BF	20	2TX/4TX
2.4-2.4835GHz	802.11ax HEW20	20	2TX/4TX
2.4-2.4835GHz	802.11ax HEW20-BF	20	2TX/4TX
2.4-2.4835GHz	802.11be EHT20	20	2TX/4TX
2.4-2.4835GHz	802.11be EHT20-BF	20	2TX/4TX

For Radio 3

Band	Mode	BWch	Nant
2.4-2.4835GHz	802.11b	20	1TX/2TX
2.4-2.4835GHz	802.11g	20	1TX/2TX
2.4-2.4835GHz	802.11n HT20	20	1TX/2TX
2.4-2.4835GHz	802.11n HT20-BF	20	1TX/2TX
2.4-2.4835GHz	VHT20	20	1TX/2TX
2.4-2.4835GHz	VHT20-BF	20	1TX/2TX
2.4-2.4835GHz	802.11ax HEW20	20	1TX/2TX
2.4-2.4835GHz	802.11ax HEW20-BF	20	1TX/2TX
2.4-2.4835GHz	802.11be EHT20	20	1TX/2TX
2.4-2.4835GHz	802.11be EHT20-BF	20	1TX/2TX

Note:
- 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- 11g, HT20 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- HEW20 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- EHT20 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM modulation.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Operating Band	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	WLAN 2.4GHz / 5GHz	Sercomm	6172001TJH.20	PIFA	I-PEX	Note 1
2	WLAN 2.4GHz / 5GHz	Sercomm	6172001TJH.21	PIFA	I-PEX	
3	WLAN 2.4GHz / 5GHz	Sercomm	6172001TJH.22	PIFA	I-PEX	
4	WLAN 2.4GHz / 5GHz	Sercomm	6172001TJH.23	PIFA	I-PEX	
5	WLAN 6GHz	Sercomm	6172001TJH.24	PIFA	I-PEX	
6	WLAN 6GHz	Sercomm	6172001TJH.25	PIFA	I-PEX	
7	WLAN 6GHz	Sercomm	6172001TJH.26	PIFA	I-PEX	
8	WLAN 6GHz	Sercomm	6172001TJH.27	PIFA	I-PEX	
9	WLAN 5GHz / 6GHz	Sercomm	6172001TJH.28	PIFA	I-PEX	
10	WLAN 5GHz / 6GHz	Sercomm	6172001TJH.29	PIFA	I-PEX	
11	Bluetooth / Zigbee	Sercomm	6172001TJH.30	PIFA	I-PEX	4.22
12	Bluetooth / Zigbee	Sercomm	6172001TJH.31	PIFA	I-PEX	4.12
13	Bluetooth / Zigbee	Sercomm	6172001TJH.32	PIFA	I-PEX	4.19
14	GPS	Sercomm	6172001TJH.33	PIFA	I-PEX	1.176GHz: 4.50 1.575GHz: 4.20

Ant.	Port							
	2.4GHz (Radio 1)	2.4GHz (Radio 3)	5GHz (Radio 1)	5GHz (Radio 2)	6GHz (Radio 1)	6GHz (Radio 3)	Bluetooth / Zigbee	GPS
1	1	-	-	1	-	-	-	-
2	2	-	-	2	-	-	-	-
3	3	1	-	3	-	-	-	-
4	4	2	-	4	-	-	-	-
5	-	-	-	-	-	1	-	-
6	-	-	-	-	-	2	-	-
7	-	-	-	-	-	3	-	-
8	-	-	-	-	-	4	-	-
9	-	-	1	-	1	-	-	-
10	-	-	2	-	2	-	-	-
11	-	-	-	-	-	-	1	-
12	-	-	-	-	-	-	2	-
13	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	1

Note 1:

Ant.	Antenna Gain (dBi)								
	2.4GHz	5GHz UNII 1	5GHz UNII 2A	5GHz UNII 2C	5GHz UNII 3	6GHz UNII 5	6GHz UNII 6	6GHz UNII 7	6GHz UNII 8
1	2.91	4.88	4.99	5.07	5.29	-	-	-	-
2	3.17	3.95	3.41	5.00	5.07	-	-	-	-
3	2.98	4.49	4.06	4.40	3.93	-	-	-	-
4	2.64	4.75	4.07	4.71	4.40	-	-	-	-
5	-	-	-	-	-	5.33	4.93	5.50	4.83
6	-	-	-	-	-	5.41	4.54	5.26	5.39
7	-	-	-	-	-	5.95	5.96	4.82	4.77
8	-	-	-	-	-	5.79	5.88	5.89	5.91
9	-	3.07	2.35	2.59	3.21	2.71	2.66	4.37	3.21
10	-	3.01	2.66	3.88	4.23	4.41	3.82	3.37	4.42
11	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-

Ant.	Item	Directional gain (dBi)								
		2.4GHz	5GHz UNII 1	5GHz UNII 2A	5GHz UNII 2C	5GHz UNII 3	6GHz UNII 5	6GHz UNII 6	6GHz UNII 7	6GHz UNII 8
1~4 (4TX)	4T1S	6.00	8.49	7.89	8.04	7.52	-	-	-	-
	4T2S	3.17	5.49	4.99	5.07	5.29	-	-	-	-
	4T3S	3.17	4.88	4.99	5.07	5.29	-	-	-	-
1~2 (2TX)	2T1S	3.9	7.09	6.19	6.33	5.81	-	-	-	-
	2T2S	3.17	4.88	4.99	5.07	5.29	-	-	-	-
3~4 (2TX)	2T1S	3.05	5.48	5.79	6.26	5.87	-	-	-	-
	2T2S	2.98	4.75	4.07	4.71	4.40	-	-	-	-
5~8 (4TX)	4T1S	-	-	-	-	-	9.23	8.77	9.49	9.13
	4T2S	-	-	-	-	-	6.23	5.96	6.49	6.13
	4T3S	-	-	-	-	-	5.95	5.96	5.89	5.91
5~6 (2TX)	2T1S	-	-	-	-	-	7.38	6.63	8.00	7.03
	2T2S	-	-	-	-	-	5.41	4.93	5.50	5.39
9~10 (2TX)	2T1S	-	4.51	4.52	6.00	5.95	5.82	4.82	5.36	5.47
	2T2S	-	3.07	2.66	3.88	4.23	4.41	3.82	4.37	4.42

Note 2: The above information (excepting WLAN gain) was declared by manufacturer.

Note 3: The antenna gain (WLAN) and directional gain (WLAN) are measured which follow the procedure of KDB 662911 D03.
Note 4: The Bluetooth / Zigbee function of Antenna 13 is not enabled at this time.
Note 5: The DFS band is not enabled at this time.
Note 6:

<For Radio 1>
2.4GHz Function
IEEE 802.11b/g/n/VHT/ax/be
For 2TX/2RX:
Port 1 and Port 2 can be used as transmitting/receiving antenna.
Port 1 and Port 2 could transmit/receive simultaneously.
For 2TX/4RX:
Port 1, Port 2, Port 3 and Port 4 can be used as receiving antenna, but only Port 1 and Port 2 can be used as transmitting antenna.
Port 1, Port 2, Port 3 and Port 4 could receive simultaneously, but only Port 1 and Port 2 could transmit simultaneously.
For 4TX/4RX:
Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.
Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.
5GHz Function
IEEE 802.11a/n/ac/ax/be
UNII 1~UNII 3:
For 2RX:
Port 1 and Port 2 can be used as receiving antenna.
Port 1 and Port 2 could receive simultaneously.
UNII1~UNII 2A:
For 2TX/2RX:
Port 1 and Port 2 can be used as transmitting/receiving antenna.
Port 1 and Port 2 could transmit/receive simultaneously.
6GHz Function
IEEE 802.11ax/be
For 2TX/2RX:
Port 1 and Port 2 can be used as transmitting/receiving antenna.
Port 1 and Port 2 could transmit/receive simultaneously.

<For Radio 2>
5GHz Function
IEEE 802.11a/n/ac/ax/be
For 2TX/4RX:
Port 1, Port 2, Port 3 and Port 4 can be used as receiving antenna, but only Port 1 and Port 2 can be used as transmitting antenna.
Port 1, Port 2, Port 3 and Port 4 could receive simultaneously, but only Port 1 and Port 2 could transmit simultaneously.
For 4TX/4RX:
Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.
Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

<For Radio 3>
2.4GHz Function
IEEE 802.11b/g/n/VHT/ax/be
For 1TX/2RX:
Port 1 and Port 2 can be used as receiving antenna, but only Port 1 can be used as transmitting antenna.
Port 1 and Port 2 could receive simultaneously.
For 2TX/2RX:
Port 1 and Port 2 can be used as transmitting/receiving antenna.
Port 1 and Port 2 could transmit/receive simultaneously.
6GHz Function
IEEE 802.11ax/be
For 2TX/4RX:
Port 1, Port 2, Port 3 and Port 4 can be used as receiving antenna, but only Port 1 and Port 2 can be used as transmitting antenna.
Port 1, Port 2, Port 3 and Port 4 could receive simultaneously, but only Port 1 and Port 2 could transmit simultaneously.
For 4TX/4RX:
Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.
Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

<For Radio 4>
Bluetooth/Zigbee Functions
For 1TX/1RX:
The EUT supports the antenna with TX and RX diversity functions.
Both Port 1 and Port 2 support transmit and receive functions, but only one of them will be used at one time.
The Port 1 generated the worst case, so it was selected to test and record in the report.

1.1.3 Mode Test Duty Cycle

<For Radio 1>
2TX

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11b_Nss 1,(1D)	0.935	0.29	8.42m	300
802.11g_Nss 1,(6D)	0.944	0.25	2.064m	1k
802.11be EHT20_Nss 1,(M0)	0.976	0.11	1.496m	1k
802.11be EHT20_Nss 2,(M0)	0.958	0.19	787.813u	3k
802.11be EHT20-BF_Nss 1,(M0)	0.976	0.11	1.496m	1k

4TX

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11b_Nss 1,(1D)	0.957	0.19	12.42m	100
802.11g_Nss 1,(6D)	0.949	0.23	2.07m	1k
802.11be EHT20_Nss 1,(M0)	0.979	0.09	1.5m	1k
802.11be EHT20_Nss 4,(M0)	0.934	0.3	450u	3k
802.11be EHT20-BF_Nss 1,(M0)	0.979	0.09	1.5m	1k

<For Radio 3>

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11b_Nss 1,(1D)	0.935	0.29	6.232m	300
802.11g_Nss 1,(6D)	0.956	0.2	2.064m	1k
802.11be EHT20_Nss 1,(M0)	0.977	0.1	1.496m	1k
802.11be EHT20_Nss 2,(M0)	0.961	0.17	787.813u	3k
802.11be EHT20-BF_Nss 1,(M0)	0.977	0.1	1.496m	1k

Note:
- DC is Duty Cycle.
- DCF is Duty Cycle Factor.

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter / PoE			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for 11n/VHT/11ax/11be in 2.4GHz, 11n/11ac/11ax/11be in 5GHz and 11ax/11be in 6GHz.			
Function	☒	Point-to-multipoint	☐	Point-to-point
Support RU	☒	Full RU	☐	Partial RU
Test Software Version	AccessMTool 3.3.0.4			

Note: The above information was declared by manufacturer.

1.1.5 Table for EUT Information

EUT	GPS Integrated Module
1	With
2	Without

Note 1: From the above EUTs, EUT 1 was selected as representative model for the test and its data was recorded in this report.
Note 2: The above information was declared by manufacturer.

1.1.6 Table for Radio Function

Radio	Support Band		
	2.4GHz	5GHz	6GHz
1	BW: 20MHz	2TX: UNII 1, 2RX: UNII 1&3 (scan) BW: 20/40/80MHz	UNII 5 or UNII 5~8 (scan) BW: 20/40/80/160MHz
2	-	UNII 3 or UNII 1&3 BW: 20/40/80MHz	-
3	BW: 20MHz	-	UNII 7~8 or UNII 5~8 BW: 20/40/80/160/320MHz
4	Bluetooth / Zigbee		
5	GPS		

Note: The above information was declared by manufacturer.

1.1.7 Table for EUT Operation Mode

Mode	Radio 1	Radio 2	Radio 3	Radio 4	Radio 5	Note
1	2.4GHz 4x4	5GHz (UNII 1&3) 4x4	6GHz (UNII 5~8) 4x4	Bluetooth or Zigbee	GPS	Tri Radio
2	2.4GHz 2x2 (TX) / 5GHz (2RX) / 6GHz (2RX)	5GHz (UNII 1&3) 4x4	6GHz (UNII 5~8) 4x4	Bluetooth or Zigbee	GPS	Full Band w/Scan
3	5GHz (UNII 1) 2x2	5GHz (UNII 3) 4x4	6GHz (UNII 5~8) 4x4	Bluetooth or Zigbee	GPS	Dual 5GHz w/6GHz
4	6GHz 2x2 (TX) / 2.4GHz (2RX) / 5GHz (2RX)	5GHz (UNII 1&3) 4x4	2.4GHz 2x2	Bluetooth or Zigbee	GPS	DBDC w/Scan
5	5GHz (UNII 1) 2x2	5GHz (UNII 3) 4x4	2.4GHz 2x2	Bluetooth or Zigbee	GPS	Dual 5GHz w/2.4GHz
6	6GHz (UNII 5) 2x2	5GHz (UNII 1&3) 4x4	6GHz (UNII 7~8) 4x4	Bluetooth or Zigbee	GPS	Dual 6GHz w/5GHz

Note: The above information was declared by manufacturer.

1.2 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- 47 CFR FCC Part 15.247
- ANSI C63.10-2013

The following reference test guidance is not within the scope of accreditation of TAF.

- FCC KDB 558074 D01 v05r02
- FCC KDB 662911 D03 v01
- FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

Testing Location Information	
Test Lab.：Sporton International Inc. Hsinchu Laboratory	
Hsinchu (TAF: 3787)	ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.) TEL: 886-3-656-9065 FAX: 886-3-656-9085 Test site Designation No. TW3787 with FCC. Conformity Assessment Body Identifier (CABID) TW3787 with ISED.

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH01-CB	KJ Chang	21.7~23.2 / 65~69	Jan. 15, 2024 ~ Mar. 28, 2024
Radiated below 1GHz	03CH06-CB	George Fan	21.4-22.5 / 55-58	Jan. 11, 2024 ~ Apr. 02, 2024
Radiated above 1GHz	03CH01-CB	George Fan	21.2-22.3 / 56-59	Jan. 11, 2024 ~ Apr. 02, 2024
	03CH02-CB	George Fan	21.9-22.4 / 55-58	Jan. 11, 2024 ~ Apr. 02, 2024
Radiated above 1GHz (For Co-location test)	03CH06-CB	George Fan	21.4-22.5 / 55-58	Jan. 11, 2024 ~ Apr. 02, 2024
AC Conduction	CO01-CB	Gray Lee	23~24 / 60~61	Apr. 03. 2024

1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.1 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.1 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	3.1 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.1 dB	Confidence levels of 95%
Bandwidth Measurement	2.2%	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

<For Radio 1>
2TX:

Mode
802.11b_Nss1,(1Mbps)_2TX
2412MHz
2417MHz
2437MHz
2457MHz
2462MHz
802.11g_Nss1,(6Mbps)_2TX
2412MHz
2417MHz
2437MHz
2457MHz
2462MHz
802.11be EHT20_Nss1,(MCS0)_2TX
2412MHz
2417MHz
2437MHz
2457MHz
2462MHz
802.11be EHT20_Nss2,(MCS0)_2TX
2412MHz
2417MHz
2437MHz
2457MHz
2462MHz
802.11be EHT20-BF_Nss1,(MCS0)_2TX
2412MHz
2417MHz
2437MHz
2457MHz
2462MHz

4TX:

Mode
802.11b_Nss1,(1Mbps)_4TX
2412MHz
2417MHz
2437MHz
2457MHz
2462MHz
802.11g_Nss1,(6Mbps)_4TX
2412MHz
2417MHz

2437MHz
2457MHz
2462MHz
802.11be EHT20_Nss1,(MCS0)_4TX
2412MHz
2417MHz
2437MHz
2457MHz
2462MHz
802.11be EHT20_Nss4,(MCS0)_4TX
2412MHz
2417MHz
2437MHz
2457MHz
2462MHz
802.11be EHT20-BF_Nss1,(MCS0)_4TX
2412MHz
2417MHz
2437MHz
2457MHz
2462MHz

<For Radio 3>

Mode
802.11b_Nss1,(1Mbps)_2TX
2412MHz
2417MHz
2437MHz
2457MHz
2462MHz
802.11g_Nss1,(6Mbps)_2TX
2412MHz
2417MHz
2437MHz
2457MHz
2462MHz
802.11be EHT20_Nss1,(MCS0)_2TX
2412MHz
2417MHz
2437MHz
2457MHz
2462MHz
802.11be EHT20_Nss2,(MCS0)_2TX
2412MHz
2417MHz
2437MHz
2457MHz
2462MHz
802.11be EHT20-BF_Nss1,(MCS0)_2TX
2412MHz

2417MHz
2437MHz
2457MHz
2462MHz

Note:
- EHT20 covers HT20 / VHT20 / HEW20 due to similar modulation. The power setting for HT20 / VHT20 / HEW20 is the same or lower than EHT20.
- The EUT supports beamforming and CDD modes, and the CDD mode is the worst case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluates the output power.
- The 2T2S covers 1T1S. The power setting for 1T1S is the same or lower than 2T2S.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	CTX
1	EUT 1 + Radio 1 (WLAN 2.4GHz) + Adapter
2	EUT 1 + Radio 1 (WLAN 2.4GHz) + PoE
Mode 2 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3 ~ 9 will follow this same test mode.	
3	EUT 1 + Radio 1 (WLAN 5GHz) + PoE
4	EUT 1 + Radio 1 (WLAN 6GHz) + PoE
5	EUT 1 + Radio 2 (WLAN 5GHz) + PoE
6	EUT 1 + Radio 3 (WLAN 2.4GHz) + PoE
7	EUT 1 + Radio 3 (WLAN 6GHz) + PoE
8	EUT 1 + Radio 4 (Bluetooth) + PoE
9	EUT 1 + Radio 4 (Zigbee) + PoE
For operating mode 8 is the worst case and it was record in this test report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	DTS Bandwidth Maximum Conducted Output Power Power Spectral Density Emissions in Non-restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains
1	EUT 1 + Radio 1_2TX
2	EUT 1 + Radio 1_4TX
3	EUT 1 + Radio 3

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
	The EUT was performed at X axis, Y axis and Z axis position, and the worst case as below for Emissions in Restricted Frequency Bands above 1GHz. Thus, the measurement will follow this same test configuration.
1	EUT 1 in X axis + Radio 1 (WLAN 2.4GHz) + Adapter
2	EUT 1 in X axis + Radio 1 (WLAN 2.4GHz) + PoE
Mode 1 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3 ~ 9 will follow this same test mode.	
3	EUT 1 in Z axis + Radio 1 (WLAN 5GHz) + Adapter
4	EUT 1 in Z axis + Radio 1 (WLAN 6GHz) + Adapter
5	EUT 1 in Y axis + Radio 2 (WLAN 5GHz) + Adapter
6	EUT 1 in Y axis + Radio 3 (WLAN 2.4GHz) + Adapter
7	EUT 1 in Z axis + Radio 3 (WLAN 6GHz) + Adapter
8	EUT 1 in Z axis + Radio 4 (Bluetooth) + Adapter
9	EUT 1 in Z aixs + Radio 4 (Zigbee) + Adapter
For operating mode 1 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
	The EUT was performed at X axis, Y axis and Z axis position, and the worst case was found at X axis in Radio 1 and Y axis in Radio 3. So, the measurement will follow this same test configuration
1	EUT 1 in X axis + Radio 1_2TX
2	EUT 1 in X axis + Radio 1_4TX
3	EUT 1 in Y axis + Radio 3

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
	After evaluating, the worst case was found at Y axis. So the measurement will follow this same test configuration.
1	EUT 1 in Y axis + Radio 1 (WLAN 2.4GHz) + Radio 2 (WLAN 5GHz)
2	EUT 1 in Y axis + Radio 2 (WLAN 5GHz) + Radio 3 (WLAN 2.4GHz)
For operating mode 2 is the worst case and it was record in this test report.	
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	Radio 1 (WLAN 2.4GHz) + Radio 2 (WLAN 5GHz/UNII 1&3) + Radio 3 (WLAN 6GHz/UNII 5~8) + Radio 4 (Zigbee)
2	Radio 1 (WLAN 2.4GHz) + Radio 2 (WLAN 5GHz/UNII 1&3) + Radio 3 (WLAN 6GHz/UNII 5~8) + Radio 4 (Bluetooth)
3	Radio 1 (WLAN 5GHz/UNII 1) + Radio 2 (WLAN 5GHz/UNII 3) + Radio 3 (WLAN 6GHz/UNII 5~8) + Radio 4 (Zigbee)
4	Radio 1 (WLAN 5GHz/UNII 1) + Radio 2 (WLAN 5GHz/UNII 3) + Radio 3 (WLAN 6GHz/UNII 5~8) + Radio 4 (Bluetooth)
5	Radio 1 (WLAN 6GHz/UNII 5~8) + Radio 2 (WLAN 5GHz/UNII 1&3) + Radio 3 (WLAN 2.4GHz) + Radio 4 (Zigbee)
6	Radio 1 (WLAN 6GHz/UNII 5~8) + Radio 2 (WLAN 5GHz/UNII 1&3) + Radio 3 (WLAN 2.4GHz) + Radio 4 (Bluetooth)
7	Radio 1 (WLAN 5GHz/UNII 1) + Radio 2 (WLAN 5GHz/UNII 3) + Radio 3 (WLAN 2.4GHz) + Radio 4 (Zigbee)
8	Radio 1 (WLAN 5GHz/UNII 1) + Radio 2 (WLAN 5GHz/UNII 3) + Radio 3 (WLAN 2.4GHz) + Radio 4 (Bluetooth)
9	Radio 1 (WLAN 6GHz/UNII 5) + Radio 2 (WLAN 5GHz/UNII 1&3) + Radio 3 (WLAN 6GHz/UNII 7~8) + Radio 4 (Zigbee)
10	Radio 1 (WLAN 6GHz/UNII 5) + Radio 2 (WLAN 5GHz/UNII 1&3) + Radio 3 (WLAN 6GHz/UNII 7~8) + Radio 4 (Bluetooth)
Refer to Sporton Test Report No.: FA410321 for Co-location RF Exposure Evaluation.	

Note: The PoE and adapter are for measurement only, would not be marketed.
PoE and adapter information as below:

Power	Brand Name	Model Name
PoE	PHIHONG	POE60U-1BT-X
Adapter	Powertron	PA1045-120HIB300

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories
Mount bracket *1

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	PoE	PHIHONG	POE60U-1BT-X	N/A
B	PC	ASUS	S300TA	TX2-RTL8821CE
C	Flash disk3.0	Transcend	JetFlash-703	N/A

For Radiated:

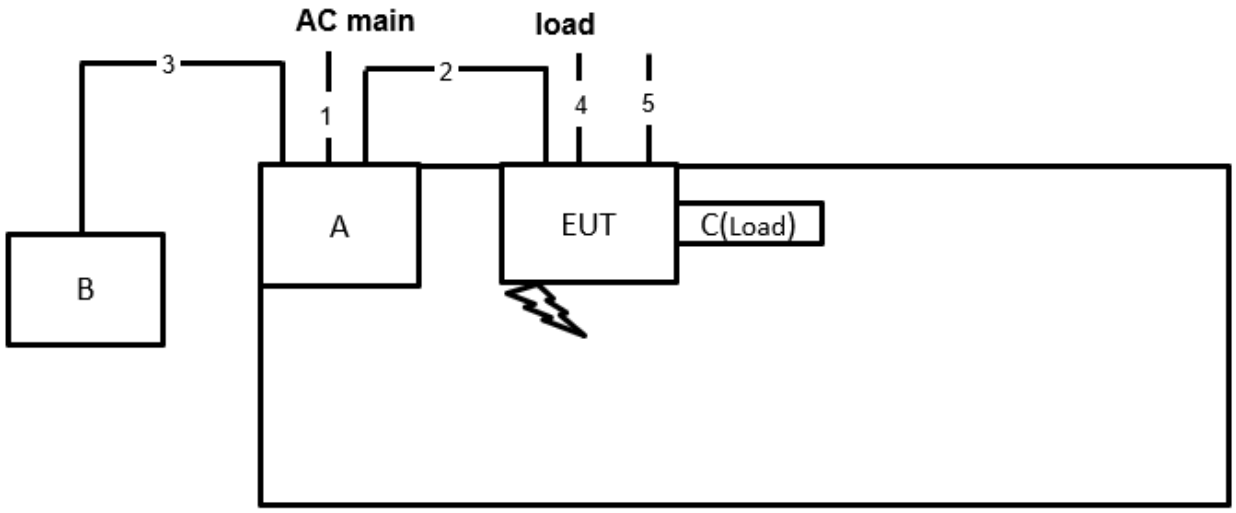
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
B	AC Adapter	Powertron	PA1045-120HIB300	N/A

For RF Conducted:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
B	AC Adapter	Powertron	PA1045-120HIB300	N/A

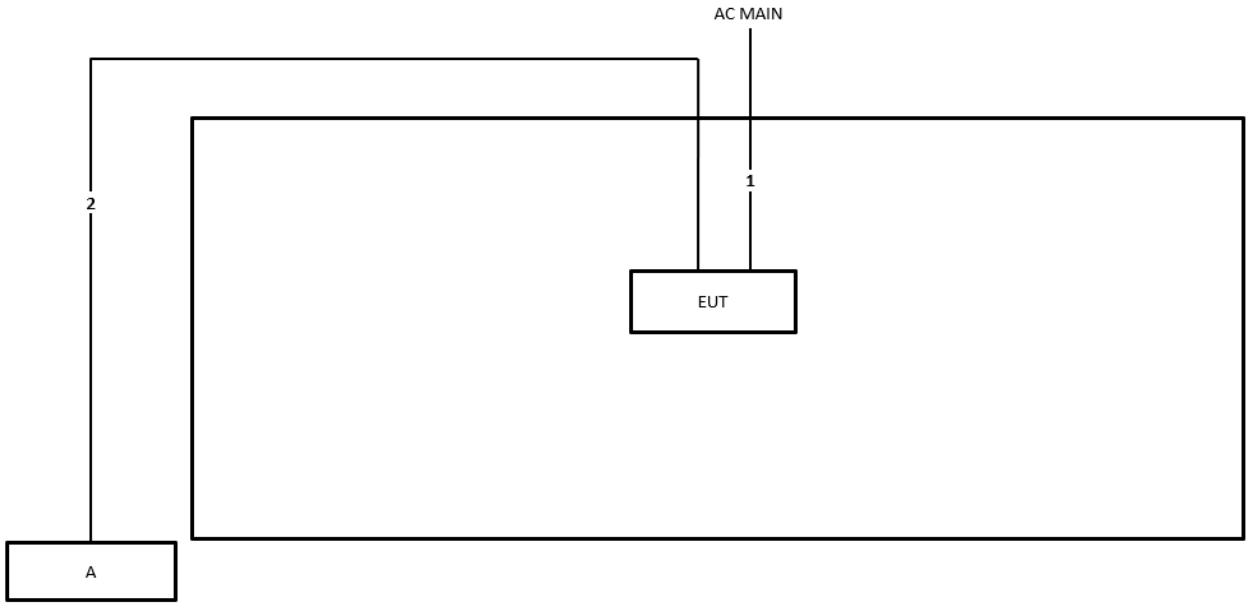
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length
1	Power cable	No	0.8m
2	RJ-45 Cable	No	1.5m
3	RJ-45 Cable	No	10m
4	RJ-45 Cable	No	1.5m
5	Console cable	No	1.5m

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length
1	Power cable	No	1.2m
2	RJ-45 cable	No	10m

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line 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.		

3.1.2 Measuring Instruments

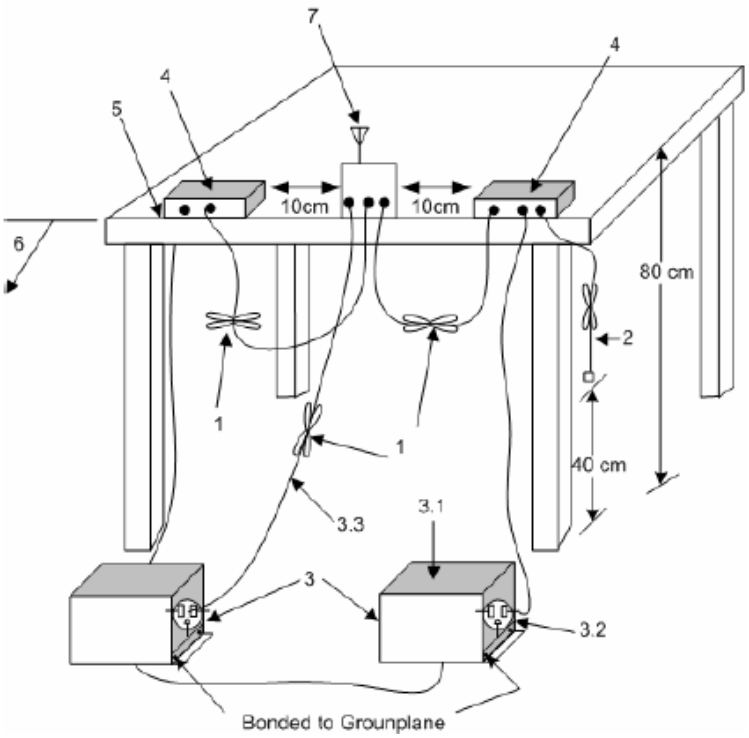
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Test Setup

AC Power-line Conducted Emissions



1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.
2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50 Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.
3.1—All other equipment powered from additional LISN(s).
3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
3.3—LISN at least 80 cm from nearest part of EUT chassis.
4—Non-EUT components of EUT system being tested.
5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

3.1.5 Measurement Results Calculation

The measured Level is calculated using:

a. Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level

b. Margin = -Limit + Level

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit
Systems using digital modulation techniques:
▪ 6 dB bandwidth ≥ 500 kHz.

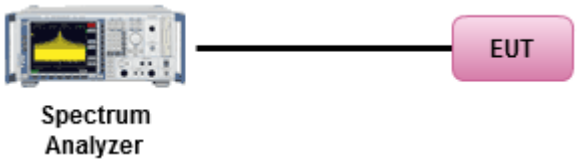
3.2.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

Test Method	
▪ For the emission bandwidth shall be measured using one of the options below:	
	☒ Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.1 Option 1 for 6 dB bandwidth measurement.
	☐ Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.2 Option 2 for 6 dB bandwidth measurement.
	☐ Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.

3.2.4 Test Setup

Emission Bandwidth


3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit		
	▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)	
	▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)$ dBm	
	▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm	
	▪ Smart antenna system (SAS):	
		- Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm
		- Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm
		- Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3 + 8$dB dBm
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, **G_{TX}** = the maximum transmitting antenna directional gain in dBi.		

3.3.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

Test Method	
▪ Maximum Peak Conducted Output Power	
	☐ Refer as FCC KDB 558074, clause 8.3.1.1 & C63.10 clause 11.9.1.1 (RBW ≥ EBW method).
	☐ Refer as FCC KDB 558074, clause 8.3.1.3 & C63.10 clause 11.9.1.3 (peak power meter).
▪ Maximum Conducted Output Power	
	[duty cycle ≥ 98% or external video / power trigger]
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.2 Method AVGSA-1.
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.3 Method AVGSA-1A. (alternative)
	duty cycle < 98% and average over on/off periods with duty factor
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.4 Method AVGSA-2.
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.5 Method AVGSA-2A (alternative)
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.6 Method AVGSA-3
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.7 Method AVGSA-3A (alternative)
	Measurement using a power meter (PM)
	☐ Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.1 Method AVGPM (using an RF average power meter).
	☒ Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.2 Method AVGPM-G (using an gate RF average power meter).
▪ For conducted measurement.	
	▪ If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

Power Spectral Density Limit
▪ Power Spectral Density (PSD) ≤ 8 dBm/3kHz

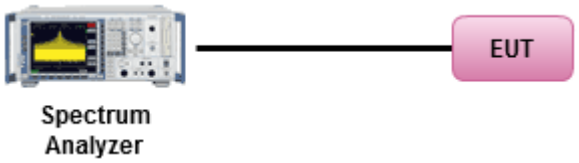
3.4.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.4.3 Test Procedures

Test Method			
▪ Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).			
	☒ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10 Method Max. PSD.		
▪ For conducted measurement.			
	▪ If The EUT supports multiple transmit chains using options given below:		
		☒ Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.	
		☐ Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,	
		☐ Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.	

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	**Limit (dBc)**
Peak output power procedure	20
Average output power procedure	30
Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level. Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average PSD level.	

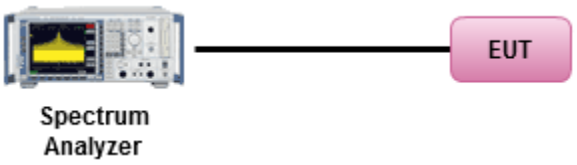
3.5.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

Test Method
▪ Refer as FCC KDB 558074, clause 8.5 for unwanted emissions into non-restricted bands.

3.5.4 Test Setup

Emissions in Non-restricted Frequency Bands


3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

3.6.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

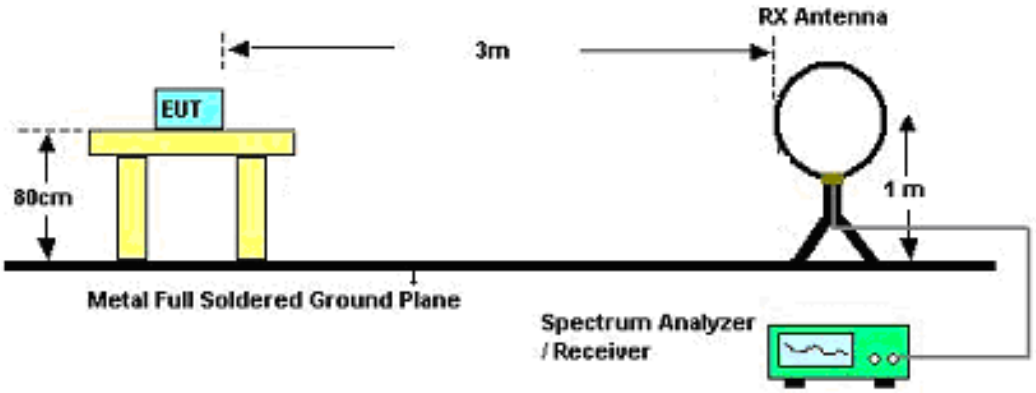
3.6.3 Test Procedures

Test Method			
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].			
▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.			
▪ For the transmitter unwanted emissions shall be measured using following options below:			
	▪ Refer as FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands.		
		☐	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle ≥98%).
		☐	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + duty factor).
		☒	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(Reduced VBW≥1/T).
		☐	Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
		☐	Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
		☒	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.4 measurement procedure peak limit.
▪ For the transmitter band-edge emissions shall be measured using following options below:			
	▪ Refer as FCC KDB 558074 clause 8.7 & C63.10 clause 11.13.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.		
	▪ Refer as FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.		
	▪ Refer as FCC KDB 558074, clause 8.7 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).		
	▪ For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB		
	▪ For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.		

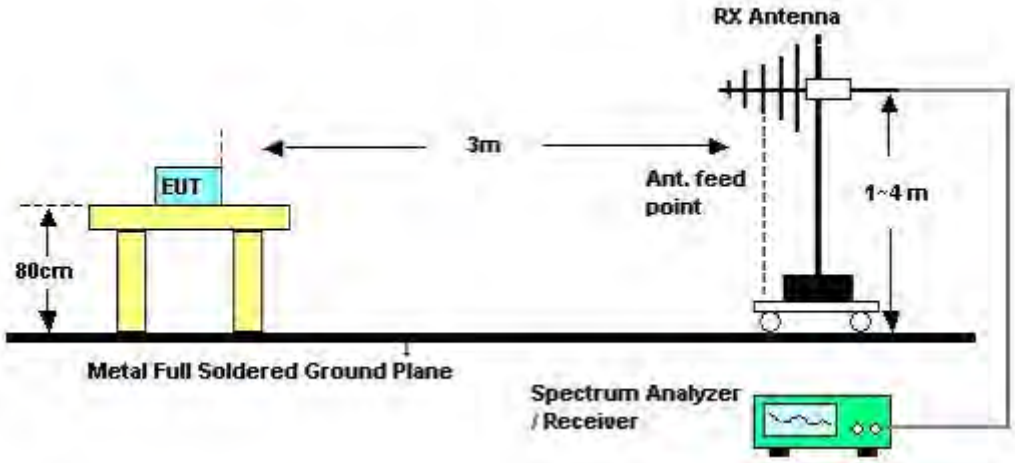
3.6.4 Test Setup

Radiated - Emissions in Restricted Frequency Bands

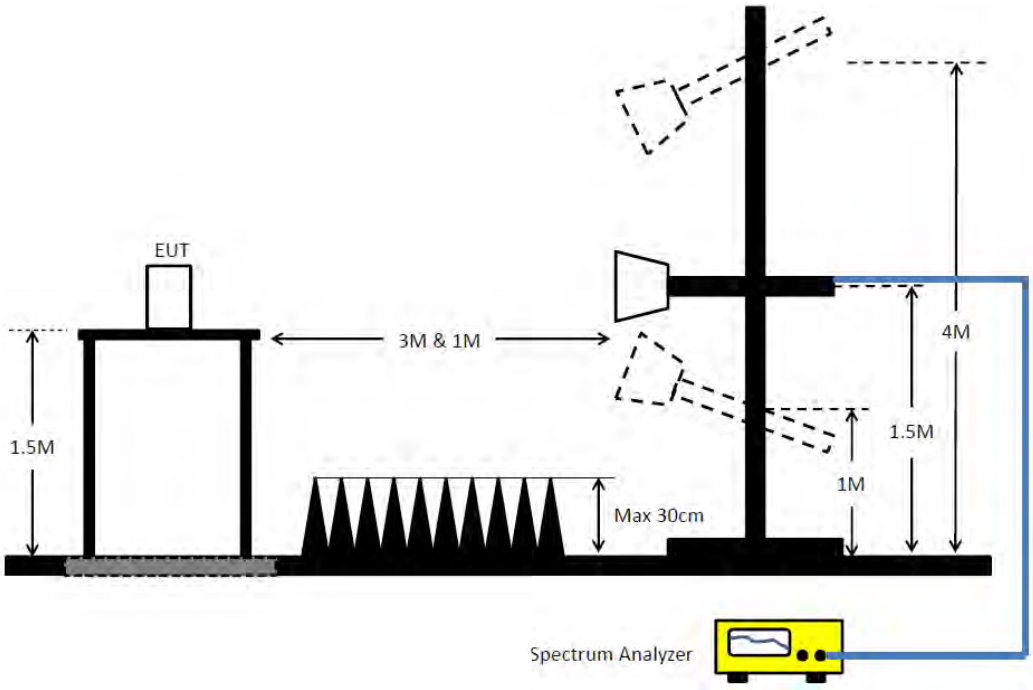
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.6.5 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Antenna factor (AF) + Cable loss (CL) + Read level (Raw) - Preamp factor (PA)(if applicable) = Level.

3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.
The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10th harmonic or 40 GHz, whichever is appropriate.

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Mar. 01, 2024	Feb. 28, 2025	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 19, 2024	Feb. 18, 2025	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 27, 2023	Apr. 26, 2024	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 08, 2024	Feb. 07, 2025	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 17, 2023	Oct. 16, 2024	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 05, 2023	May 04, 2024	Radiation (03CH01-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120D-01816	1GHz~18GHz	Dec. 20, 2023	Dec. 19, 2024	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 18, 2023	May 17, 2024	Radiation (03CH01-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 24, 2023	Nov. 23, 2024	Radiation (03CH01-CB)
Signal Analyzer	R&S	FSV3044	101437	10kHz ~ 44GHz	Nov. 28, 2023	Nov. 27, 2024	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Nov. 06, 2023	Nov. 05, 2024	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Nov. 06, 2023	Nov. 05, 2024	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Jan. 11, 2024	Jan. 10, 2025	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 25, 2023	Mar. 24, 2024	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 24, 2024	Mar. 23, 2025	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 18, 2023	Apr. 17, 2024	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH02-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 24, 2023	Nov. 23, 2024	Radiation (03CH02-CB)
Signal Analyzer	R&S	FSV40	101903	9kHz ~ 40GHz	May 29, 2023	May 28, 2024	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Jan. 11, 2024	Jan. 10, 2025	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30 MHz	Oct. 13, 2023	Oct. 12, 2024	Radiation (03CH06-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH06-CB	30 MHz ~ 1 GHz	Aug. 03, 2023	Aug. 02, 2024	Radiation (03CH06-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH06-CB)
Bilog Antenna with 6 dB attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37878 & AT-N0606	20MHz ~ 2GHz	Jul. 30, 2023	Jul. 29, 2024	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Jul. 31, 2023	Jul. 30, 2024	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	310N	187290	0.1MHz ~ 1GHz	Nov. 03, 2023	Nov. 02, 2024	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	Aug. 01, 2023	Jul. 31, 2024	Radiation (03CH06-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 24, 2023	Nov. 23, 2024	Radiation (03CH06-CB)
Signal Analyzer	R&S	FSV40	101904	9kHz ~ 40GHz	Apr. 21, 2023	Apr. 20, 2024	Radiation (03CH06-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 13, 2023	Jun. 12, 2024	Radiation (03CH06-CB)
RF Cable-low	Woken	RG402	Low Cable-24+68	30MHz~1GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+68	1GHz~18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Jan. 11, 2024	Jan. 10, 2025	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 29, 2023	May 28, 2024	Conducted (TH01-CB)
Band Rejector	MTJ	6G Band Rejector	6G-BRJ-01	1 ~ 18GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH01-CB)

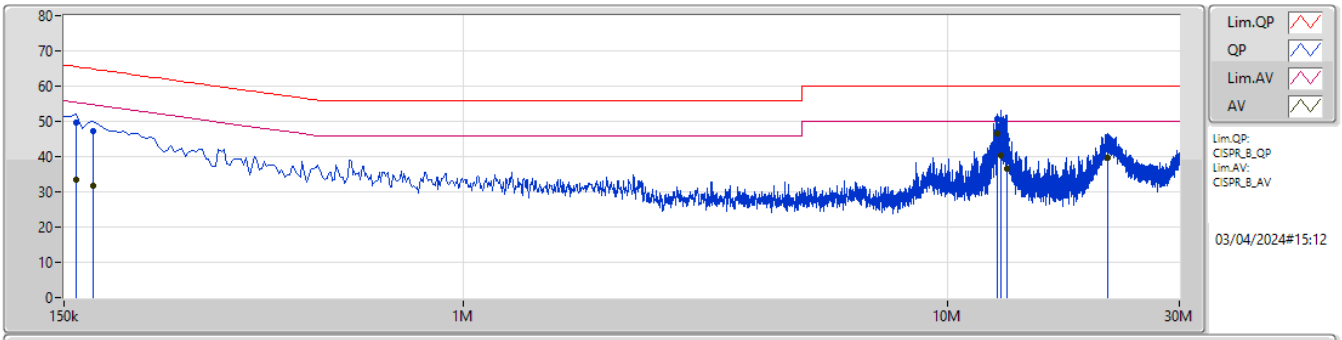
Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Band Rejector	MTJ	6G Band Rejector	6G-BRJ-02	1~ 18GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1~26.5 GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
Power Sensor	Anritsu	MA2411B	1339408	300MHz~40GHz	Sep. 12, 2023	Sep. 11, 2024	Conducted (TH01-CB)
Power Meter	Anritsu	ML2495A	1517009	300MHz~40GHz	Sep. 12, 2023	Sep. 11, 2024	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)

Note: Calibration Interval of instruments listed above is one year.
N.C.R means Non-Calibration required.

Summary

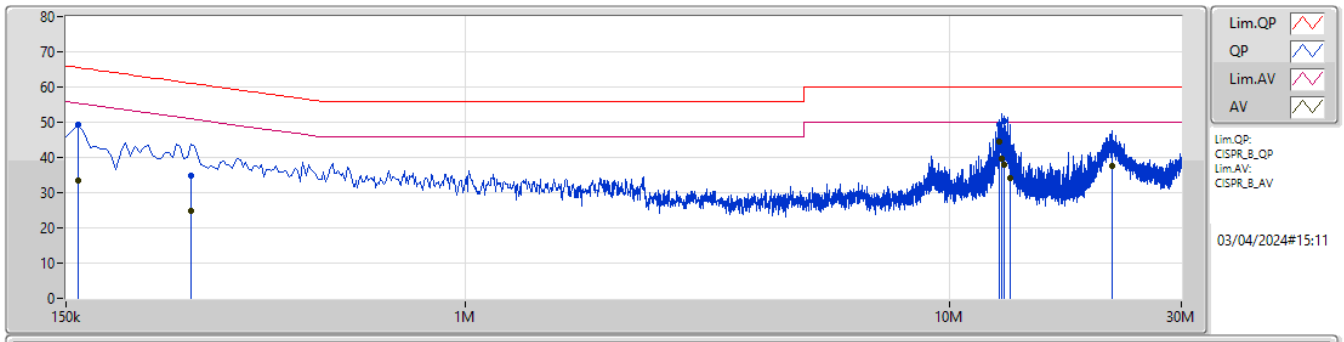
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 8	Pass	AV	12.638M	46.38	50.00	-3.62	Line

Mode 8



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	159k	49.59	65.52	-15.93	9.97	Line	-	39.62	0.09	0.02	9.86
AV	159k	33.52	55.52	-22.00	9.97	Line	-	23.55	0.09	0.02	9.86
QP	172.5k	47.33	64.83	-17.50	9.97	Line	-	37.36	0.09	0.02	9.86
AV	172.5k	31.73	54.83	-23.10	9.97	Line	-	21.76	0.09	0.02	9.86
QP	12.638M	50.77	60.00	-9.23	10.36	Line	-	40.41	0.27	0.16	9.93
AV	12.638M	46.38	50.00	-3.62	10.36	Line	"Worst"	36.02	0.27	0.16	9.93
QP	12.854M	50.27	60.00	-9.73	10.36	Line	-	39.91	0.27	0.16	9.93
AV	12.854M	40.39	50.00	-9.61	10.36	Line	-	30.03	0.27	0.16	9.93
QP	13.236M	44.91	60.00	-15.09	10.38	Line	-	34.53	0.27	0.17	9.94
AV	13.236M	36.68	50.00	-13.32	10.38	Line	-	26.30	0.27	0.17	9.94
QP	21.404M	45.61	60.00	-14.39	10.56	Line	-	35.05	0.30	0.23	10.03
AV	21.404M	39.67	50.00	-10.33	10.56	Line	-	29.11	0.30	0.23	10.03

Mode 8



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	159k	49.32	65.52	-16.20	9.95	Neutral	-	39.37	0.07	0.02	9.86
AV	159k	33.30	55.52	-22.22	9.95	Neutral	-	23.35	0.07	0.02	9.86
QP	271.5k	34.70	61.07	-26.37	9.96	Neutral	-	24.74	0.07	0.02	9.87
AV	271.5k	24.81	51.07	-26.26	9.96	Neutral	-	14.85	0.07	0.02	9.87
QP	12.642M	49.32	60.00	-10.68	10.34	Neutral	-	38.98	0.25	0.16	9.93
AV	12.642M	44.36	50.00	-5.64	10.34	Neutral	"Worst"	34.02	0.25	0.16	9.93
QP	12.804M	47.64	60.00	-12.36	10.34	Neutral	-	37.30	0.25	0.16	9.93
AV	12.804M	39.78	50.00	-10.22	10.34	Neutral	-	29.44	0.25	0.16	9.93
QP	12.962M	50.18	60.00	-9.82	10.36	Neutral	-	39.82	0.25	0.17	9.94
AV	12.962M	38.08	50.00	-11.92	10.36	Neutral	-	27.72	0.25	0.17	9.94
QP	13.29M	42.72	60.00	-17.28	10.36	Neutral	-	32.36	0.25	0.17	9.94
AV	13.29M	34.24	50.00	-15.76	10.36	Neutral	-	23.88	0.25	0.17	9.94
QP	21.624M	44.11	60.00	-15.89	10.57	Neutral	-	33.54	0.31	0.23	10.03
AV	21.624M	37.68	50.00	-12.32	10.57	Neutral	-	27.11	0.31	0.23	10.03

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	7.675M	12.127M	12M1G1D	7.075M	10.073M
802.11g_Nss1,(6Mbps)_2TX	16.55M	16.94M	16M9D1D	16.45M	16.672M
802.11be EHT20_Nss1,(MCS0)_2TX	19.075M	19.098M	19M1D1D	17.325M	18.983M
802.11be EHT20_Nss2,(MCS0)_2TX	19.1M	19.039M	19M0D1D	17.1M	18.965M

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

Result

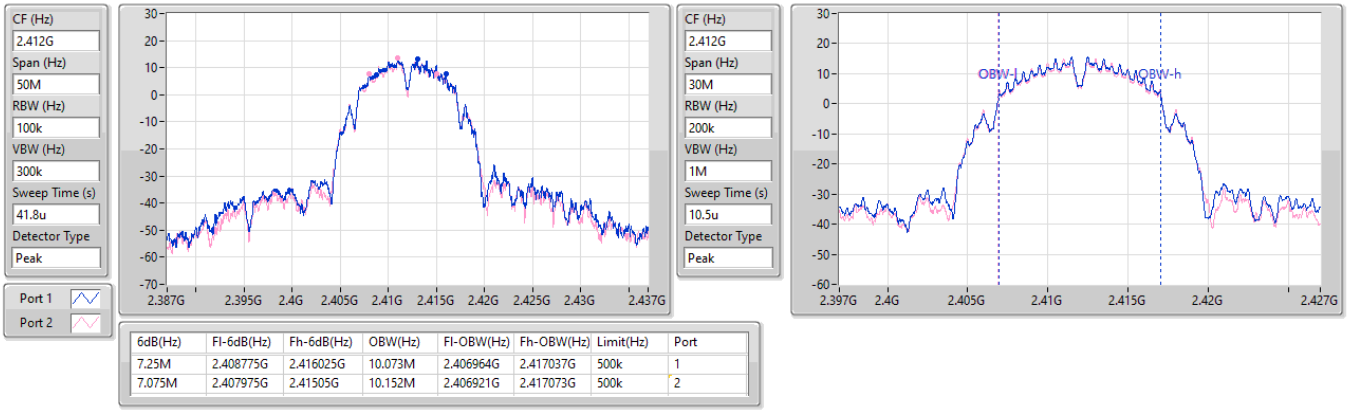
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.25M	10.073M	7.075M	10.152M
2437MHz	Pass	500k	7.675M	12.127M	7.55M	11.921M
2462MHz	Pass	500k	7.55M	10.075M	7.075M	10.115M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.55M	16.782M	16.45M	16.94M
2437MHz	Pass	500k	16.475M	16.862M	16.475M	16.768M
2462MHz	Pass	500k	16.55M	16.672M	16.45M	16.695M
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	19.05M	19.098M	19.075M	19.025M
2437MHz	Pass	500k	18.975M	19.034M	19.05M	19.091M
2462MHz	Pass	500k	18.8M	19.031M	17.325M	18.983M
802.11be EHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	19.1M	19.026M	19M	18.965M
2437MHz	Pass	500k	17.1M	18.992M	18.525M	19.039M
2462MHz	Pass	500k	19.075M	19.015M	18.975M	18.991M

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

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **EBW**

2412MHz

22/01/2024

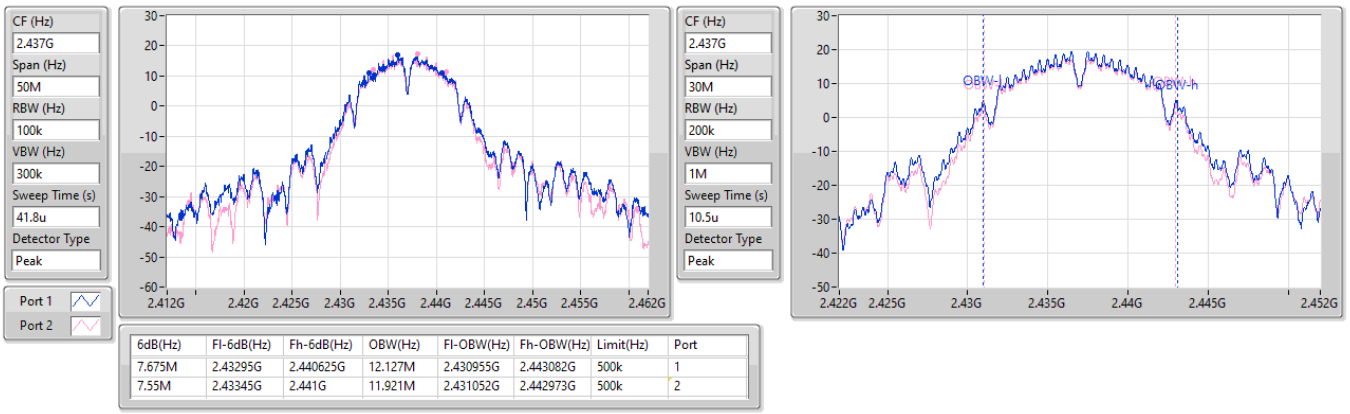


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.25M	2.408775G	2.416025G	10.073M	2.406964G	2.417037G	500k	1
7.075M	2.407975G	2.41505G	10.152M	2.406921G	2.417073G	500k	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **EBW**

2437MHz

22/01/2024

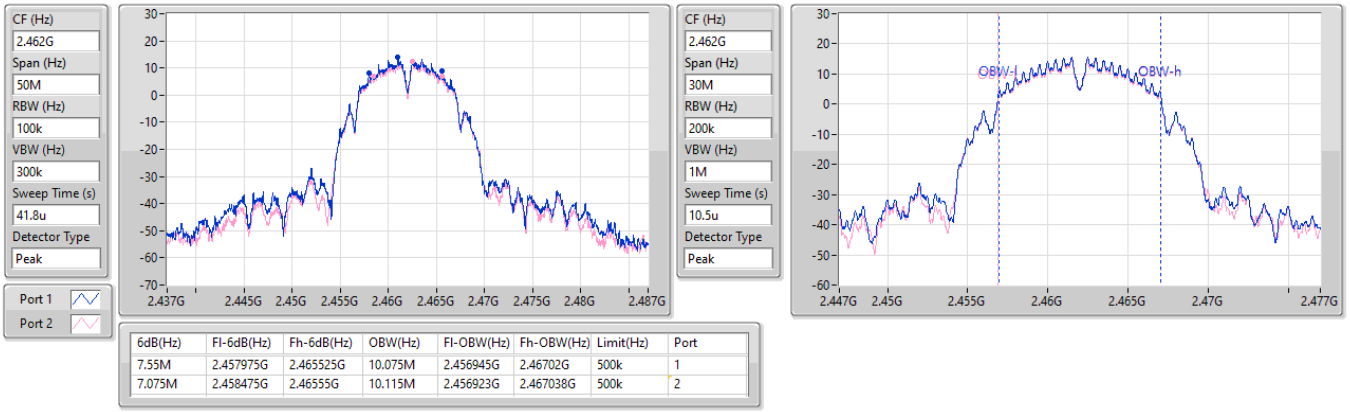


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.675M	2.43295G	2.440625G	12.127M	2.430955G	2.443082G	500k	1
7.55M	2.43345G	2.441G	11.921M	2.431052G	2.442973G	500k	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **EBW**

2462MHz

22/01/2024

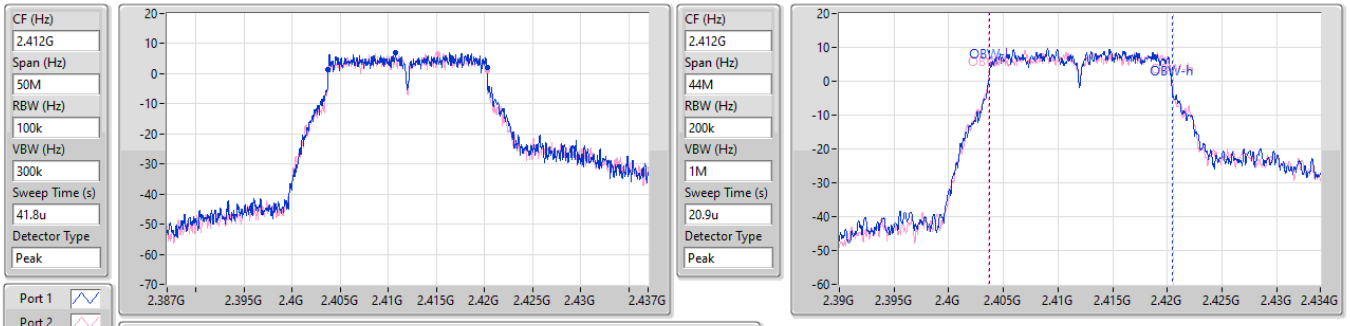


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.55M	2.457975G	2.465525G	10.075M	2.456945G	2.46702G	500k	1
7.075M	2.458475G	2.46555G	10.115M	2.456923G	2.467038G	500k	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **EBW**

2412MHz

22/01/2024

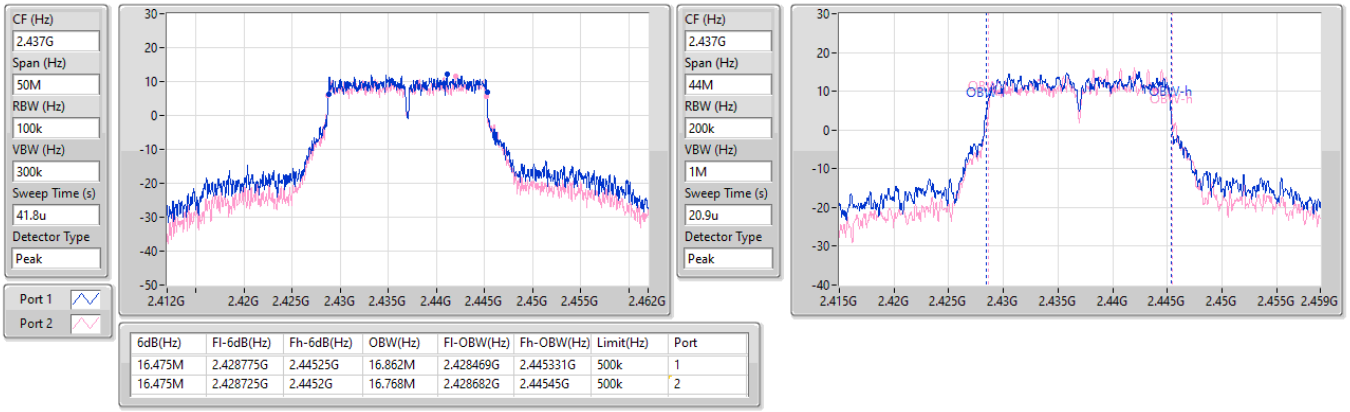


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.55M	2.403725G	2.420275G	16.782M	2.403689G	2.420471G	500k	1
16.45M	2.4038G	2.42025G	16.94M	2.403594G	2.420535G	500k	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **EBW**

2437MHz

22/01/2024

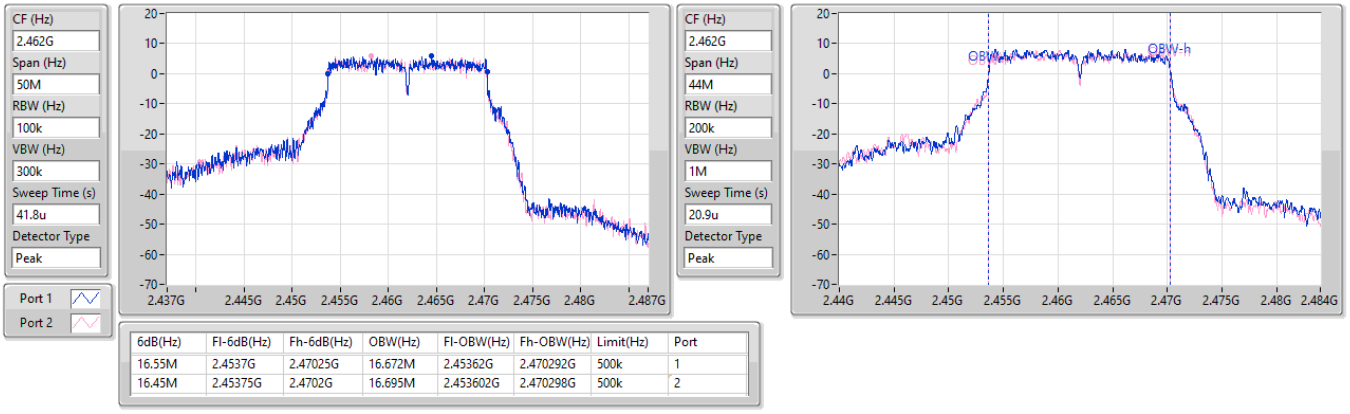


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.475M	2.428775G	2.44525G	16.862M	2.428469G	2.445331G	500k	1
16.475M	2.428725G	2.4452G	16.768M	2.428682G	2.44545G	500k	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **EBW**

2462MHz

22/01/2024

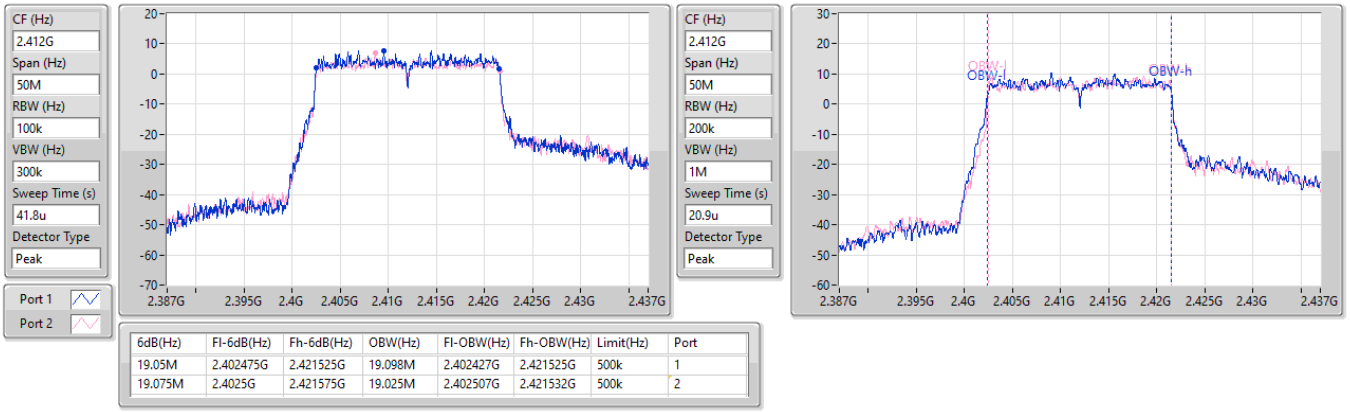


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.55M	2.4537G	2.47025G	16.672M	2.45362G	2.470292G	500k	1
16.45M	2.45375G	2.4702G	16.695M	2.453602G	2.470298G	500k	2

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX **EBW**

2412MHz

22/01/2024

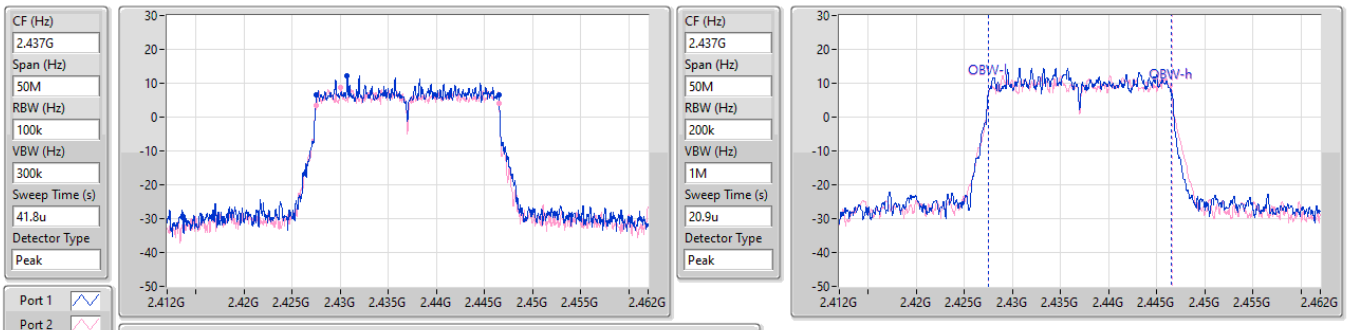


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.05M	2.402475G	2.421525G	19.098M	2.402427G	2.421525G	500k	1
19.075M	2.4025G	2.421575G	19.025M	2.402507G	2.421532G	500k	2

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX **EBW**

2437MHz

22/01/2024

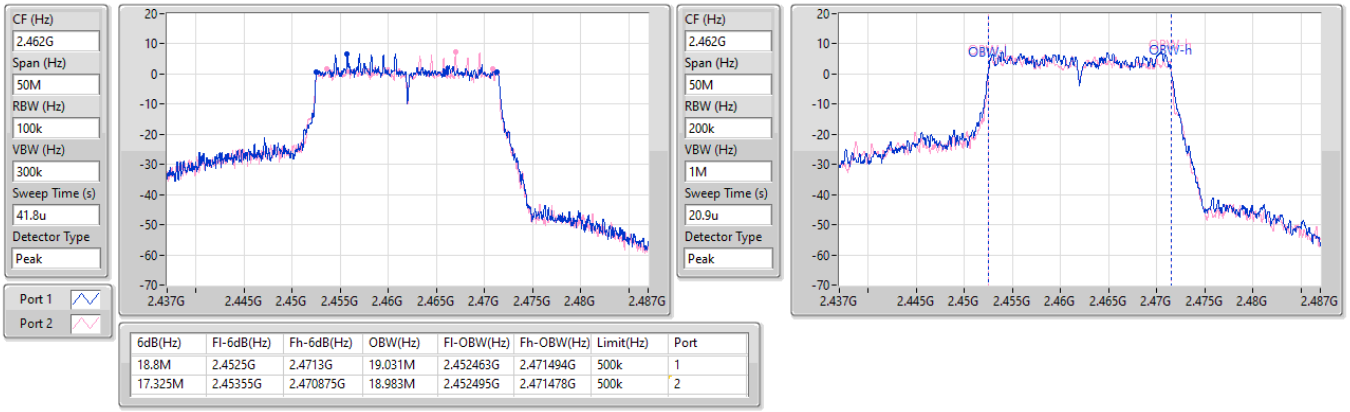


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.4275G	2.446475G	19.034M	2.427499G	2.446533G	500k	1
19.05M	2.427475G	2.446525G	19.091M	2.427477G	2.446568G	500k	2

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX **EBW**

2462MHz

22/01/2024

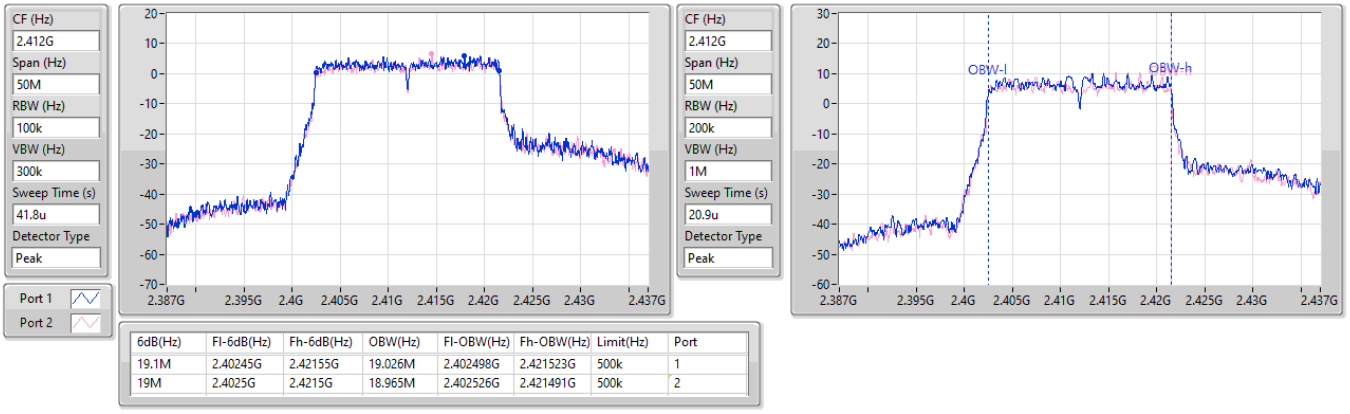


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.8M	2.4525G	2.4713G	19.031M	2.452463G	2.471494G	500k	1
17.325M	2.45355G	2.470875G	18.983M	2.452495G	2.471478G	500k	2

2.4-2.4835GHz_802.11be EHT20_Nss2,(MCS0)_2TX **EBW**

2412MHz

22/01/2024

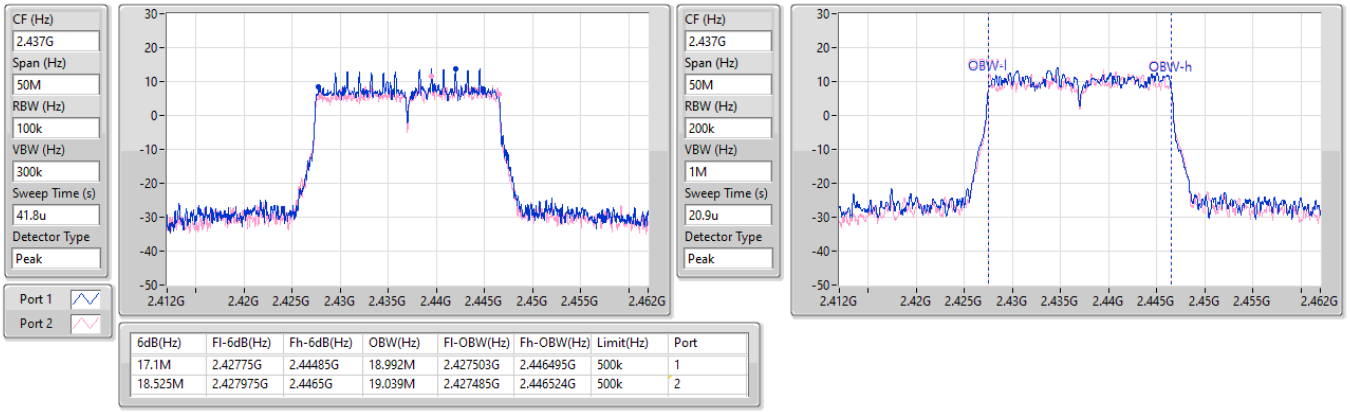


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.1M	2.40245G	2.42155G	19.026M	2.402498G	2.421523G	500k	1
19M	2.4025G	2.4215G	18.965M	2.402526G	2.421491G	500k	2

2.4-2.4835GHz_802.11be EHT20_Nss2,(MCS0)_2TX **EBW**

2437MHz

22/01/2024

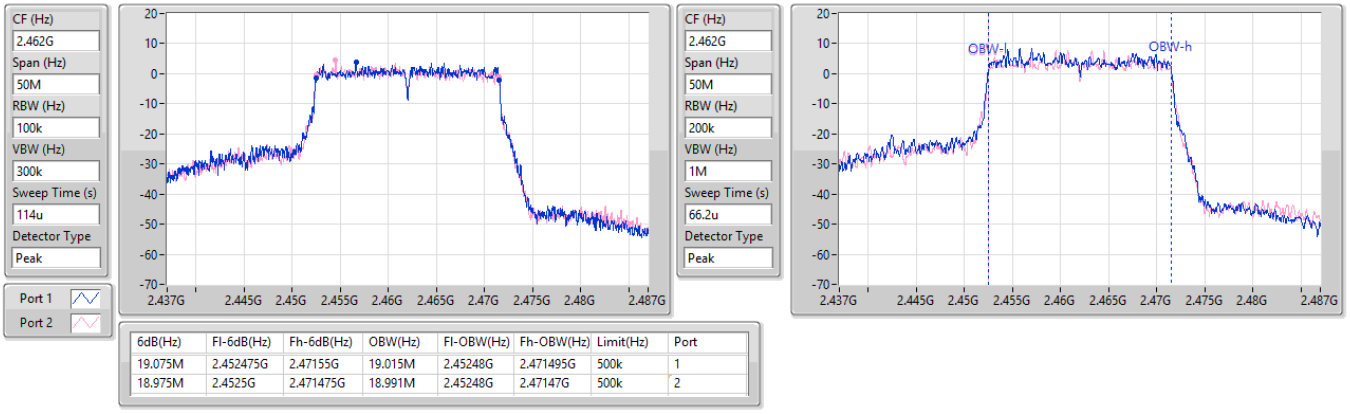


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.1M	2.42775G	2.44485G	18.992M	2.427503G	2.446495G	500k	1
18.525M	2.427975G	2.4465G	19.039M	2.427485G	2.446524G	500k	2

2.4-2.4835GHz_802.11be EHT20_Nss2,(MCS0)_2TX **EBW**

2462MHz

07/02/2024



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.075M	2.452475G	2.47155G	19.015M	2.45248G	2.471495G	500k	1
18.975M	2.4525G	2.471475G	18.991M	2.45248G	2.47147G	500k	2

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)_4TX	8.05M	12.742M	12M7G1D	6.625M	10.132M
802.11g_Nss1,(6Mbps)_4TX	16.55M	16.926M	16M9D1D	15.8M	16.645M
802.11be EHT20_Nss1,(MCS0)_4TX	19.2M	19.26M	19M3D1D	17.675M	18.993M
802.11be EHT20_Nss4,(MCS0)_4TX	19.175M	19.14M	19M1D1D	16.375M	18.957M

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

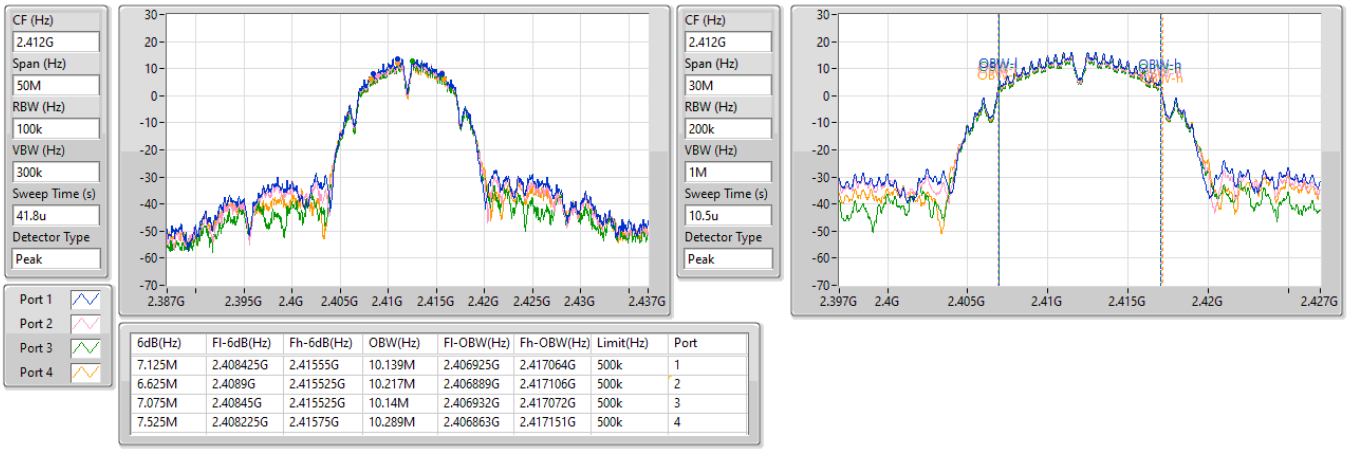
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	7.125M	10.139M	6.625M	10.217M	7.075M	10.14M	7.525M	10.289M
2437MHz	Pass	500k	7.65M	12.408M	6.75M	11.99M	7.725M	12.273M	7.55M	12.742M
2462MHz	Pass	500k	7.125M	10.152M	7.55M	10.135M	6.7M	10.132M	8.05M	10.938M
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	15.8M	16.851M	16.5M	16.872M	16.075M	16.718M	15.925M	16.765M
2437MHz	Pass	500k	16.55M	16.83M	16.05M	16.894M	16.35M	16.645M	16.525M	16.763M
2462MHz	Pass	500k	16.525M	16.769M	16.525M	16.875M	16.275M	16.926M	16.45M	16.917M
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	19.075M	19.055M	19.025M	19.26M	19.15M	19.168M	19.1M	19.004M
2437MHz	Pass	500k	17.675M	19.123M	19.1M	19.122M	19.1M	18.993M	18.975M	19.227M
2462MHz	Pass	500k	19.2M	19.069M	19.075M	19.127M	19M	19.021M	19.05M	19.08M
802.11be EHT20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	18.2M	19.031M	16.9M	19.07M	19.05M	19.1M	16.375M	19.138M
2437MHz	Pass	500k	19.025M	19.052M	18.375M	18.957M	17.575M	19.027M	18.45M	18.992M
2462MHz	Pass	500k	18.15M	19M	19.15M	19.14M	19.175M	19.013M	17.425M	19.049M

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

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX **EBW**

2412MHz

22/01/2024

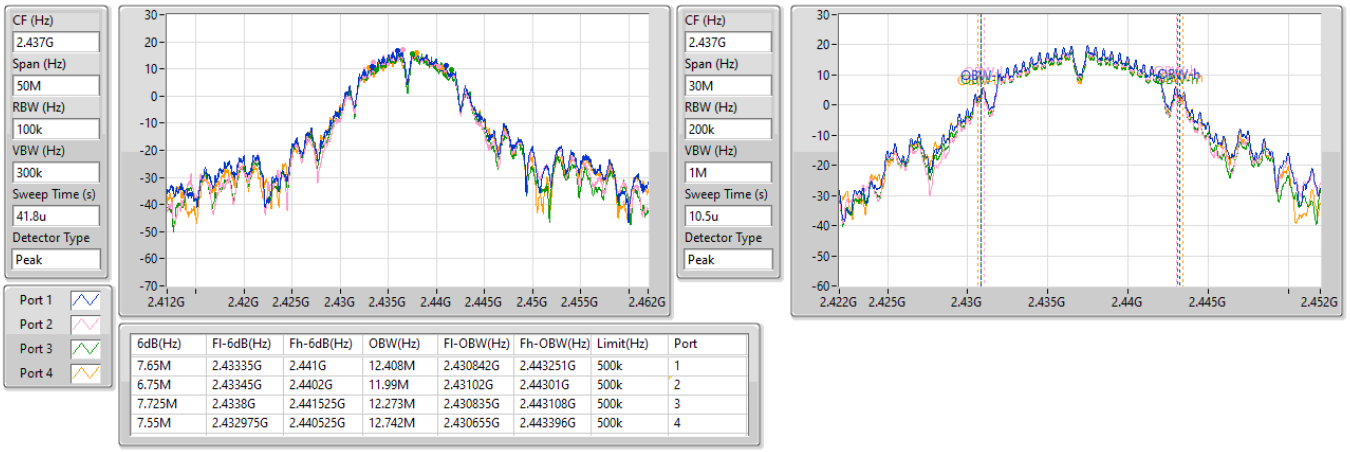


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.125M	2.408425G	2.41555G	10.139M	2.406925G	2.417064G	500k	1
6.625M	2.4089G	2.415525G	10.217M	2.406889G	2.417106G	500k	2
7.075M	2.40845G	2.415525G	10.14M	2.406932G	2.417072G	500k	3
7.525M	2.408225G	2.41575G	10.289M	2.406863G	2.417151G	500k	4

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX **EBW**

2437MHz

22/01/2024

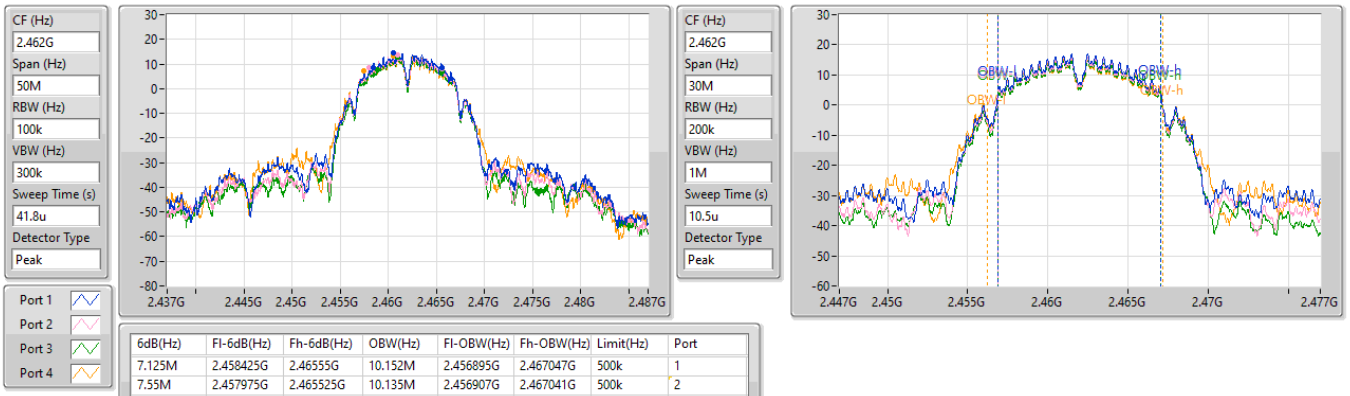


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.65M	2.43335G	2.441G	12.408M	2.430842G	2.443251G	500k	1
6.75M	2.43345G	2.4402G	11.99M	2.43102G	2.44301G	500k	2
7.725M	2.4338G	2.441525G	12.273M	2.430835G	2.443108G	500k	3
7.55M	2.432975G	2.440525G	12.742M	2.430655G	2.443396G	500k	4

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX **EBW**

2462MHz

22/01/2024

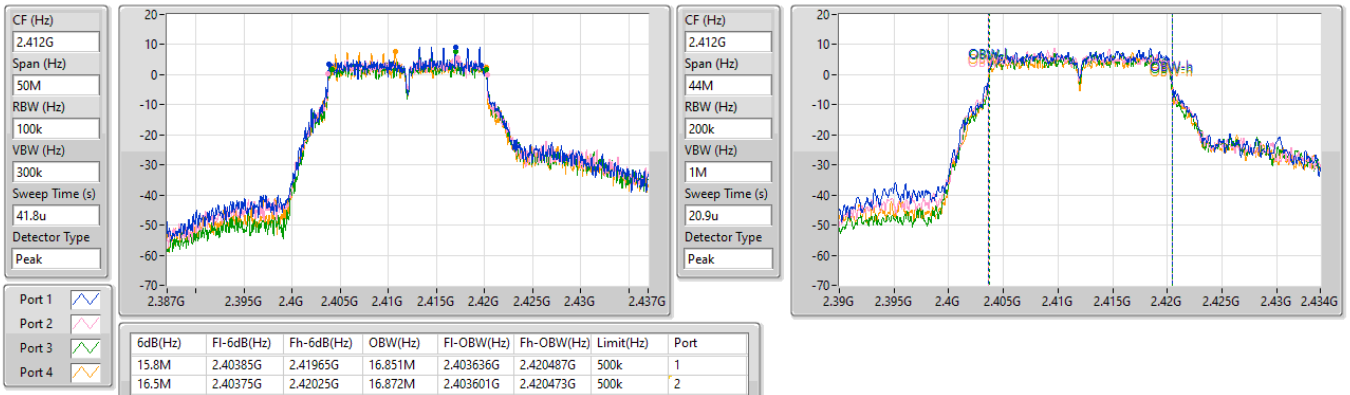


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.125M	2.458425G	2.46555G	10.152M	2.456895G	2.467047G	500k	1
7.55M	2.457975G	2.465525G	10.135M	2.456907G	2.467041G	500k	2
6.7M	2.458825G	2.465525G	10.132M	2.456917G	2.467049G	500k	3
8.05M	2.457475G	2.465525G	10.938M	2.45626G	2.467198G	500k	4

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX **EBW**

2412MHz

22/01/2024

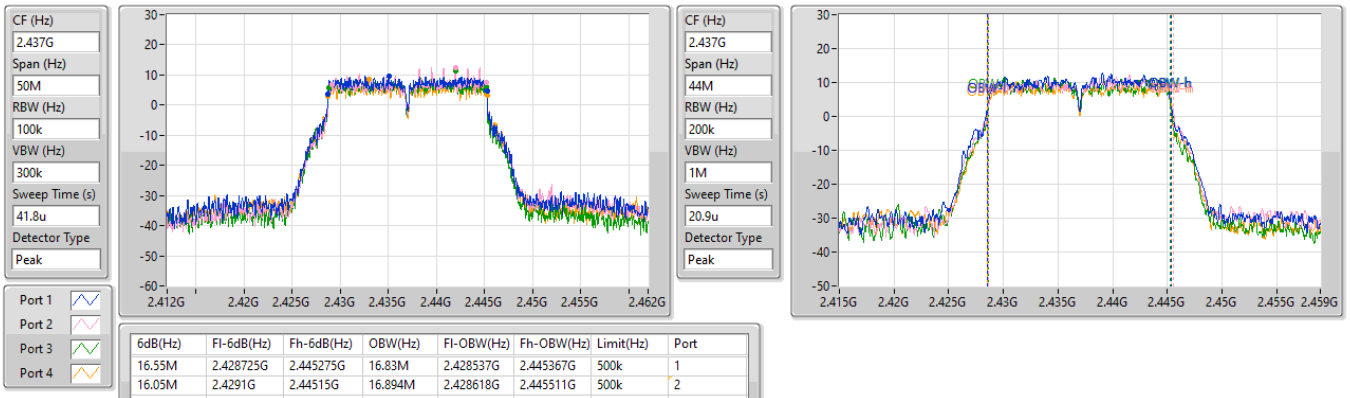


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.8M	2.40385G	2.41965G	16.851M	2.403636G	2.420487G	500k	1
16.5M	2.40375G	2.42025G	16.872M	2.403601G	2.420473G	500k	2
16.075M	2.4041G	2.420175G	16.718M	2.403712G	2.420431G	500k	3
15.925M	2.404225G	2.42015G	16.765M	2.403672G	2.420437G	500k	4

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX **EBW**

2437MHz

22/01/2024

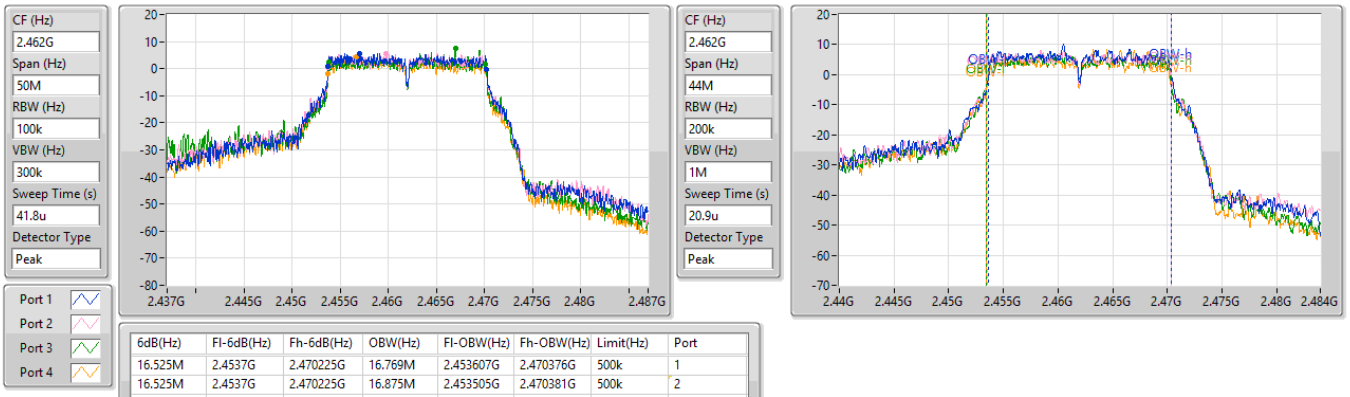


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.55M	2.428725G	2.445275G	16.83M	2.428537G	2.445367G	500k	1
16.05M	2.4291G	2.44515G	16.894M	2.428618G	2.445511G	500k	2
16.35M	2.4288G	2.44515G	16.645M	2.428627G	2.445272G	500k	3
16.525M	2.428725G	2.44525G	16.763M	2.428568G	2.445331G	500k	4

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX **EBW**

2462MHz

29/02/2024

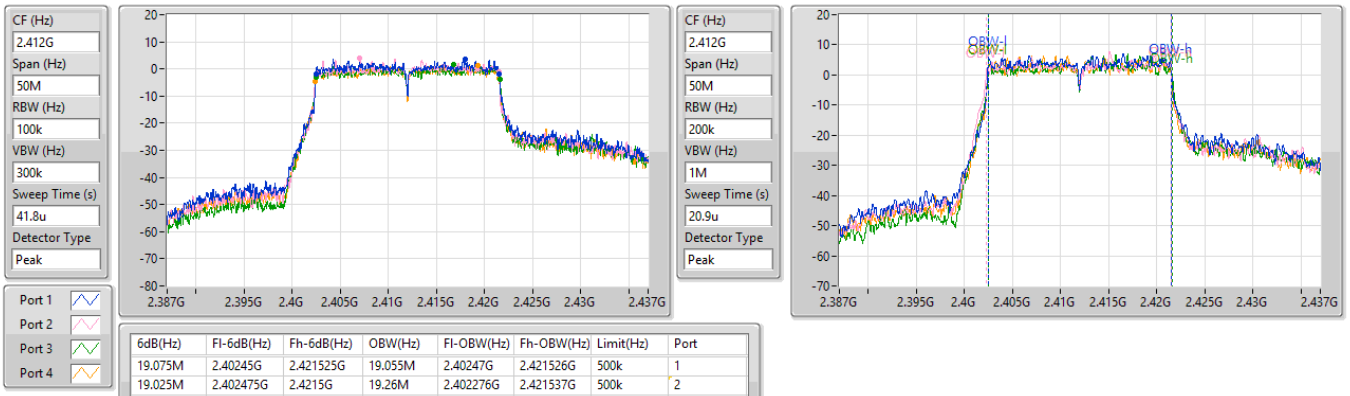


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.525M	2.4537G	2.470225G	16.769M	2.453607G	2.470376G	500k	1
16.525M	2.4537G	2.470225G	16.875M	2.453505G	2.470381G	500k	2
16.275M	2.453825G	2.4701G	16.926M	2.4534G	2.470327G	500k	3
16.45M	2.4537G	2.47015G	16.917M	2.453455G	2.470372G	500k	4

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_4TX **EBW**

2412MHz

29/02/2024

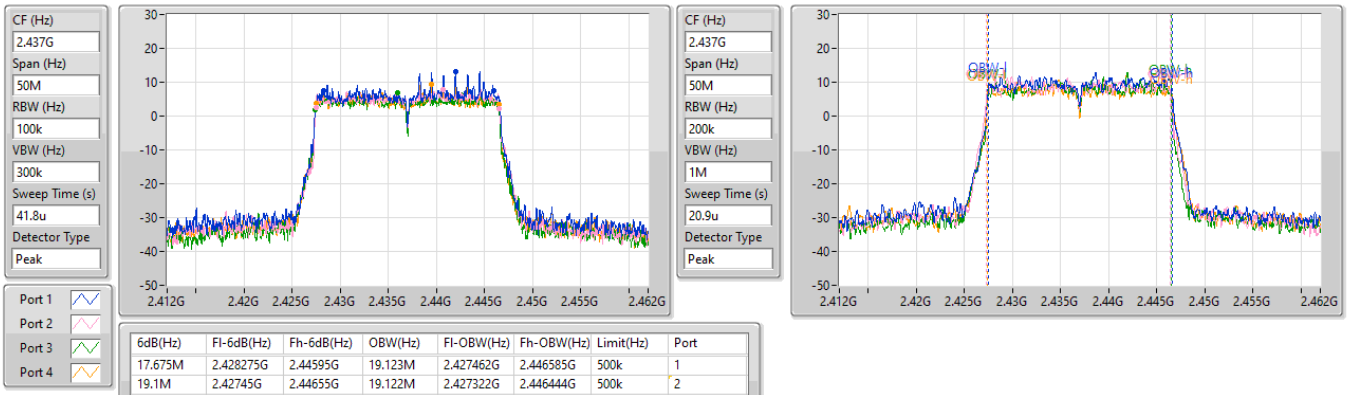


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.075M	2.40245G	2.421525G	19.055M	2.40247G	2.421526G	500k	1
19.025M	2.402475G	2.4215G	19.26M	2.402276G	2.421537G	500k	2
19.15M	2.40245G	2.4216G	19.168M	2.402456G	2.421625G	500k	3
19.1M	2.402425G	2.421525G	19.004M	2.402503G	2.421507G	500k	4

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_4TX **EBW**

2437MHz

22/01/2024

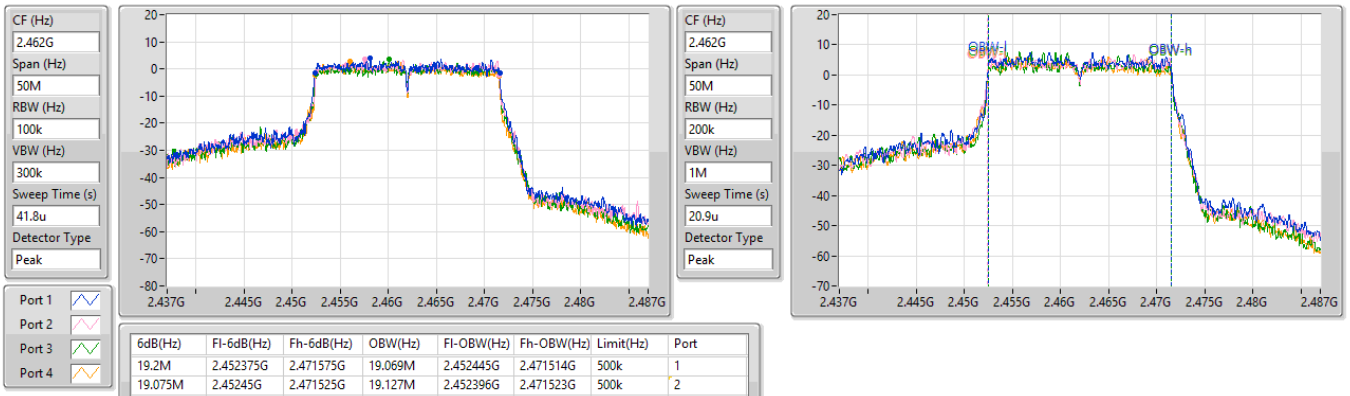


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.675M	2.428275G	2.44595G	19.123M	2.427462G	2.446585G	500k	1
19.1M	2.42745G	2.44655G	19.122M	2.427322G	2.446444G	500k	2
19.1M	2.427425G	2.446525G	18.993M	2.427479G	2.446472G	500k	3
18.975M	2.4275G	2.446475G	19.227M	2.427392G	2.446619G	500k	4

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_4TX **EBW**

2462MHz

29/02/2024

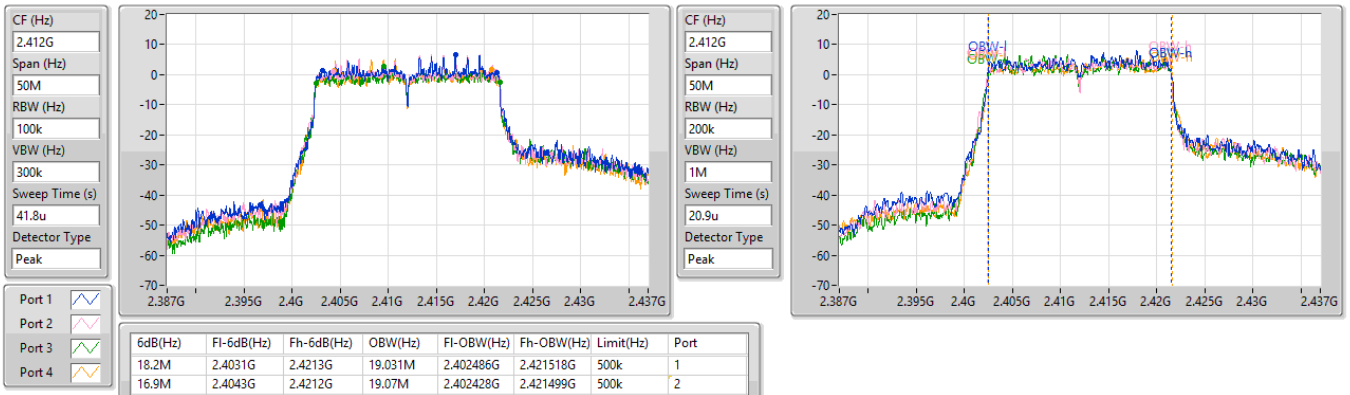


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.2M	2.452375G	2.471575G	19.069M	2.452445G	2.471514G	500k	1
19.075M	2.45245G	2.471525G	19.127M	2.452396G	2.471523G	500k	2
19M	2.4525G	2.4715G	19.021M	2.452451G	2.471472G	500k	3
19.05M	2.452425G	2.471475G	19.08M	2.45244G	2.471521G	500k	4

2.4-2.4835GHz_802.11be EHT20_Nss4,(MCS0)_4TX **EBW**

2412MHz

29/02/2024



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.2M	2.4031G	2.4213G	19.031M	2.402486G	2.421518G	500k	1
16.9M	2.4043G	2.4212G	19.07M	2.402428G	2.421499G	500k	2
19.05M	2.402525G	2.421575G	19.1M	2.402399G	2.4215G	500k	3
16.375M	2.4044G	2.420775G	19.138M	2.402451G	2.421589G	500k	4

2.4-2.4835GHz_802.11be EHT20_Nss4,(MCS0)_4TX **EBW**

2437MHz

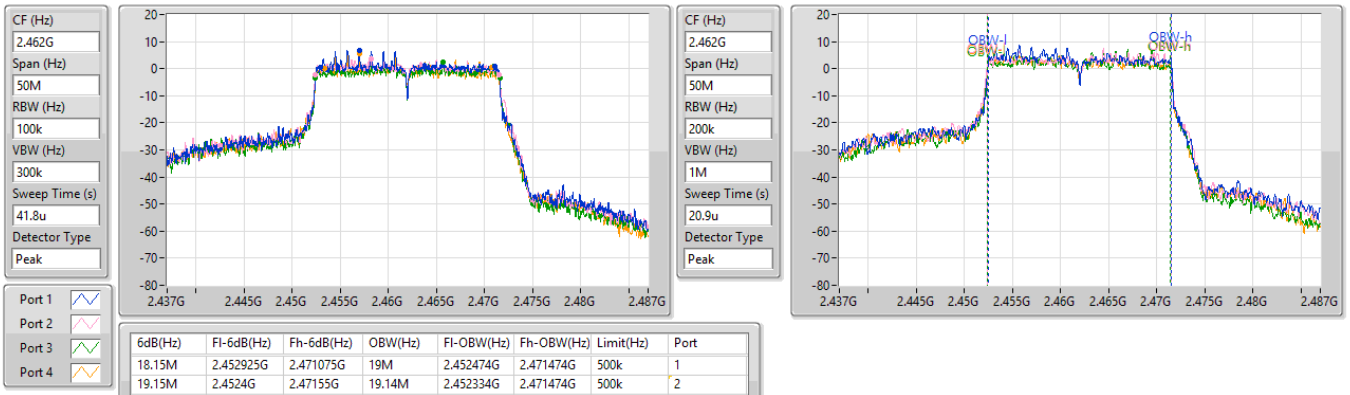
22/01/2024

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.025M	2.427475G	2.4465G	19.052M	2.427394G	2.446445G	500k	1
18.375M	2.428075G	2.44645G	18.957M	2.427499G	2.446456G	500k	2
17.575M	2.427825G	2.4454G	19.027M	2.427448G	2.446475G	500k	3
18.45M	2.427825G	2.446275G	18.992M	2.4275G	2.446492G	500k	4

2.4-2.4835GHz_802.11be EHT20_Nss4,(MCS0)_4TX **EBW**

2462MHz

29/02/2024



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.15M	2.452925G	2.471075G	19M	2.452474G	2.471474G	500k	1
19.15M	2.4524G	2.47155G	19.14M	2.452334G	2.471474G	500k	2
19.175M	2.452425G	2.4716G	19.013M	2.452415G	2.471428G	500k	3
17.425M	2.45335G	2.470775G	19.049M	2.452369G	2.471418G	500k	4

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	7.8M	14.082M	14M1G1D	6.8M	10.243M
802.11g_Nss1,(6Mbps)_2TX	16.55M	17.393M	17M4D1D	16.4M	16.756M
802.11be EHT20_Nss1,(MCS0)_2TX	19.175M	19.14M	19M1D1D	18.675M	18.966M
802.11be EHT20_Nss2,(MCS0)_2TX	19.15M	19.115M	19M1D1D	18.075M	19.009M

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

Result

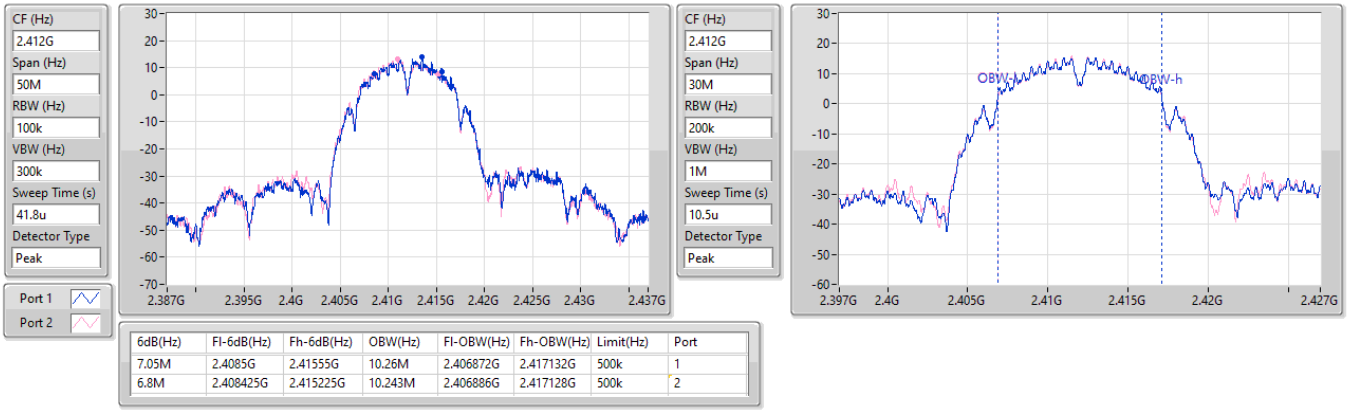
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.05M	10.26M	6.8M	10.243M
2437MHz	Pass	500k	7.075M	13.931M	7.8M	14.082M
2462MHz	Pass	500k	6.975M	10.285M	7.5M	11.38M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.4M	16.91M	16.45M	17.393M
2437MHz	Pass	500k	16.45M	16.838M	16.55M	16.936M
2462MHz	Pass	500k	16.425M	17.085M	16.475M	16.756M
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	19.075M	19.09M	19.125M	18.966M
2437MHz	Pass	500k	19M	18.978M	19.175M	18.999M
2462MHz	Pass	500k	19.05M	19.14M	18.675M	19.04M
802.11be EHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	19.075M	19.065M	18.9M	19.065M
2437MHz	Pass	500k	18.925M	19.009M	18.075M	19.106M
2462MHz	Pass	500k	19.075M	19.115M	19.15M	19.015M

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

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **EBW**

2412MHz

22/01/2024

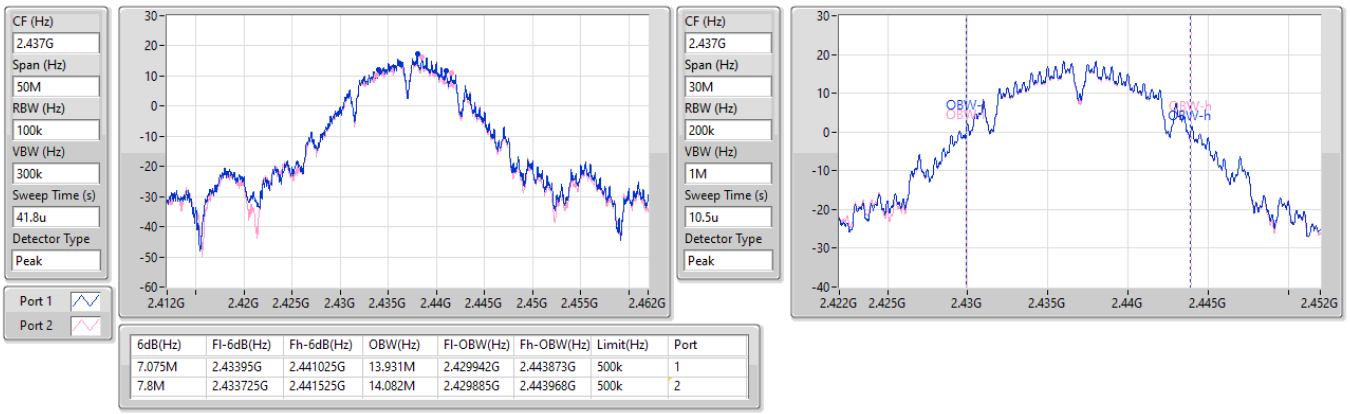


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.05M	2.4085G	2.41555G	10.26M	2.406872G	2.417132G	500k	1
6.8M	2.408425G	2.415225G	10.243M	2.406886G	2.417128G	500k	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **EBW**

2437MHz

22/01/2024

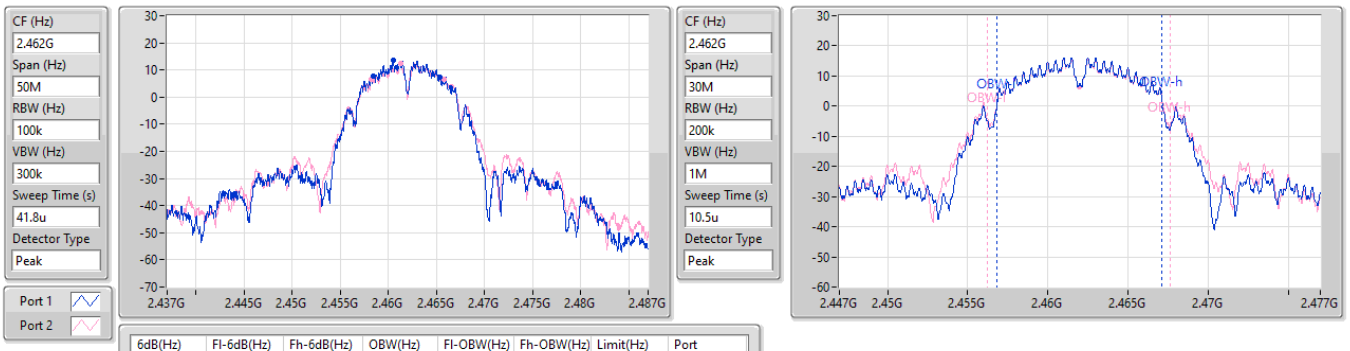


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.075M	2.43395G	2.441025G	13.931M	2.429942G	2.443873G	500k	1
7.8M	2.433725G	2.441525G	14.082M	2.429885G	2.443968G	500k	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **EBW**

2462MHz

22/01/2024

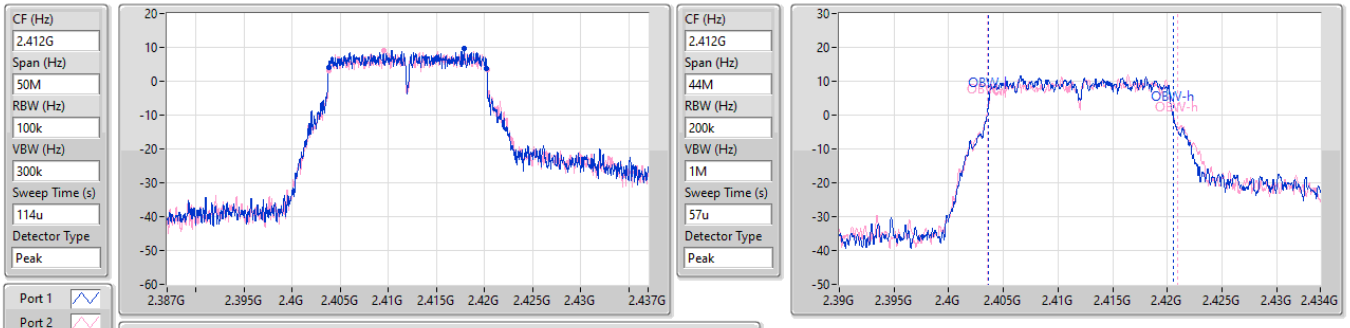


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
6.975M	2.458425G	2.4654G	10.285M	2.456849G	2.467133G	500k	1
7.5M	2.45825G	2.46575G	11.38M	2.456243G	2.467622G	500k	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **EBW**

2412MHz

27/03/2024

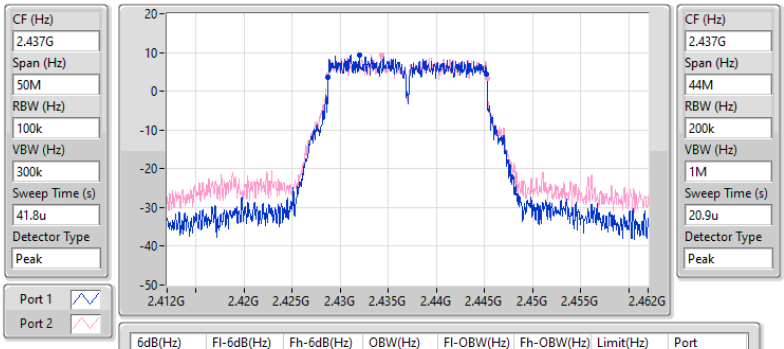


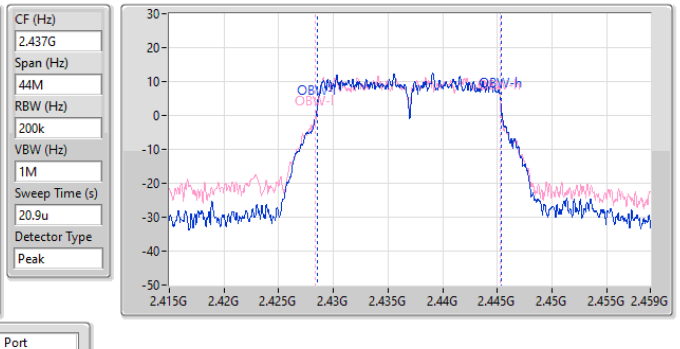
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.4M	2.4038G	2.4202G	16.91M	2.403644G	2.420554G	500k	1
16.45M	2.4038G	2.42025G	17.393M	2.403578G	2.420972G	500k	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **EBW**

2437MHz

22/01/2024



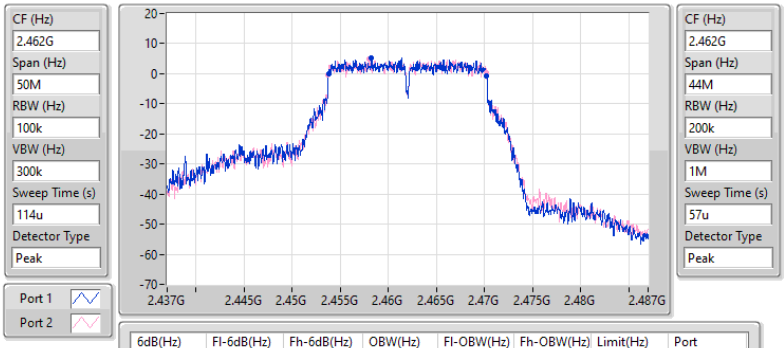


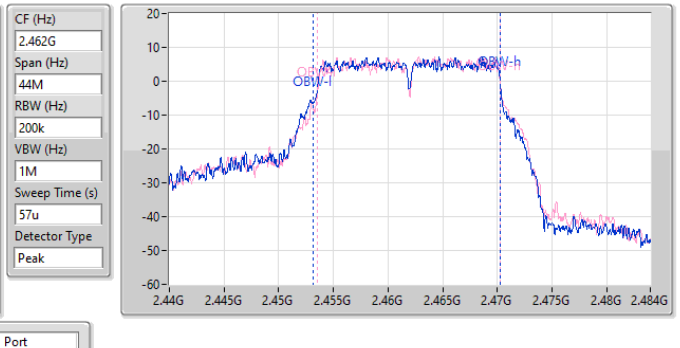
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.45M	2.428725G	2.445175G	16.838M	2.428493G	2.445332G	500k	1
16.55M	2.428725G	2.445275G	16.936M	2.428364G	2.4453G	500k	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **EBW**

2462MHz

27/03/2024



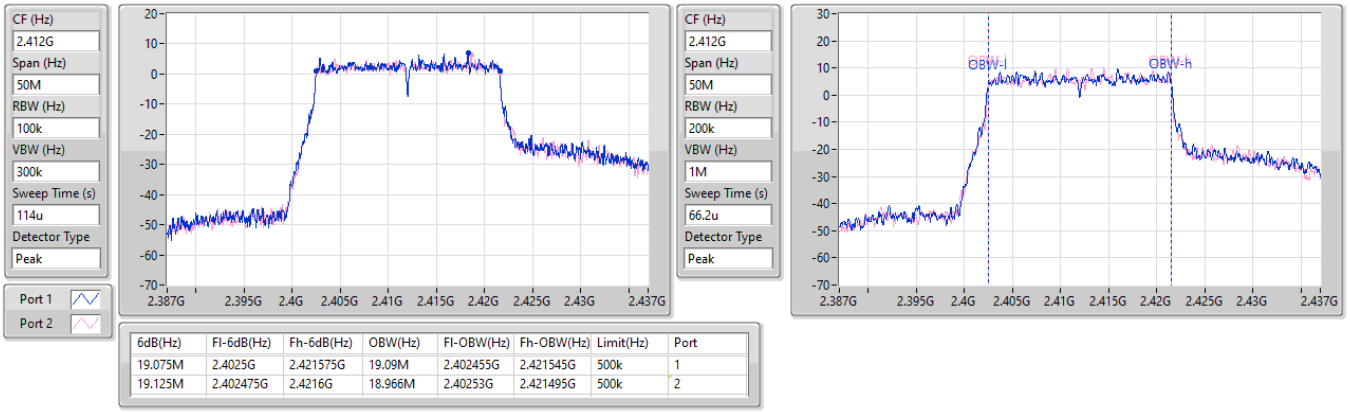


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.425M	2.4538G	2.470225G	17.085M	2.45316G	2.470246G	500k	1
16.475M	2.453725G	2.4702G	16.756M	2.453556G	2.470312G	500k	2

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX **EBW**

2412MHz

27/03/2024

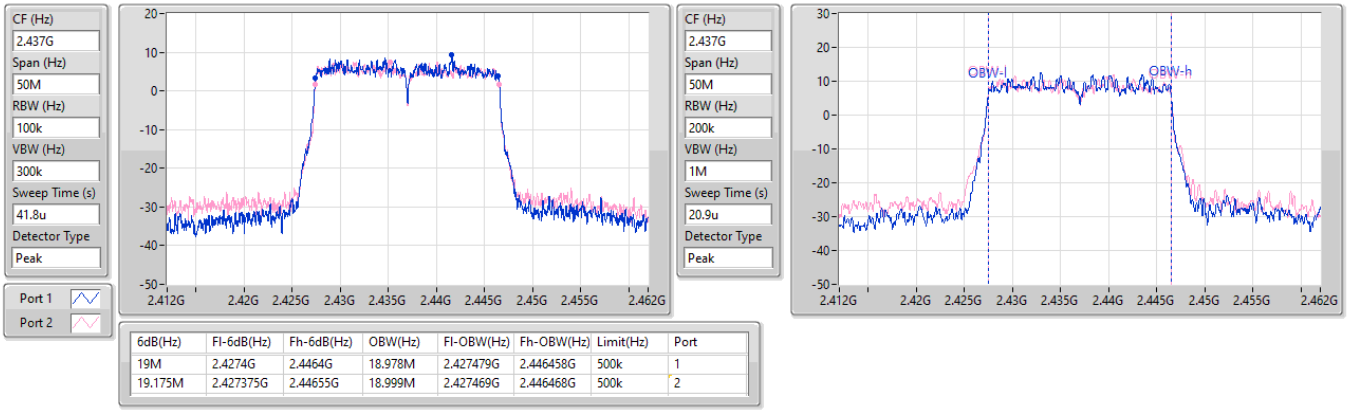


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.075M	2.4025G	2.421575G	19.09M	2.402455G	2.421545G	500k	1
19.125M	2.402475G	2.4216G	18.966M	2.40253G	2.421495G	500k	2

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX **EBW**

2437MHz

22/01/2024

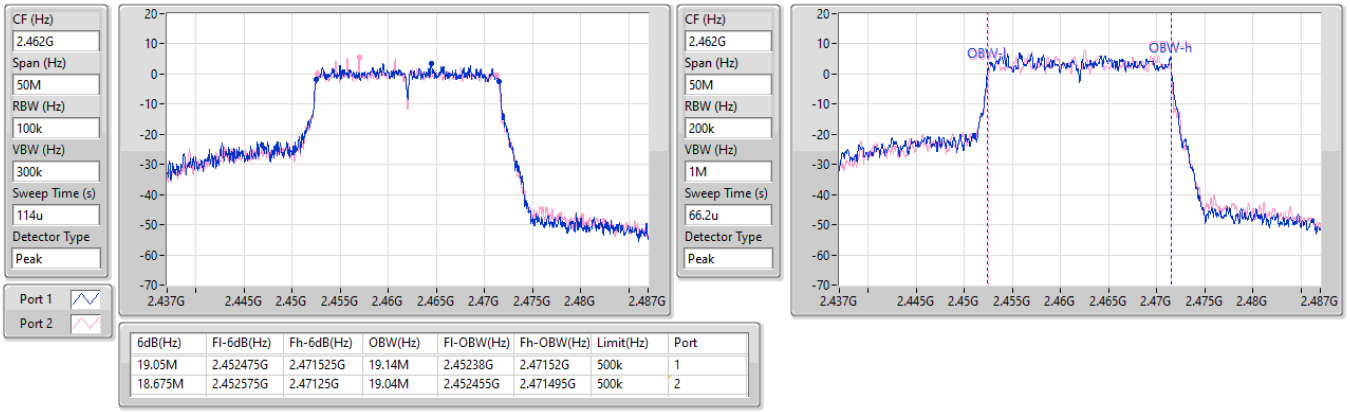


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19M	2.4274G	2.4464G	18.978M	2.427479G	2.446458G	500k	1
19.175M	2.427375G	2.44655G	18.999M	2.427469G	2.446468G	500k	2

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX **EBW**

2462MHz

27/03/2024

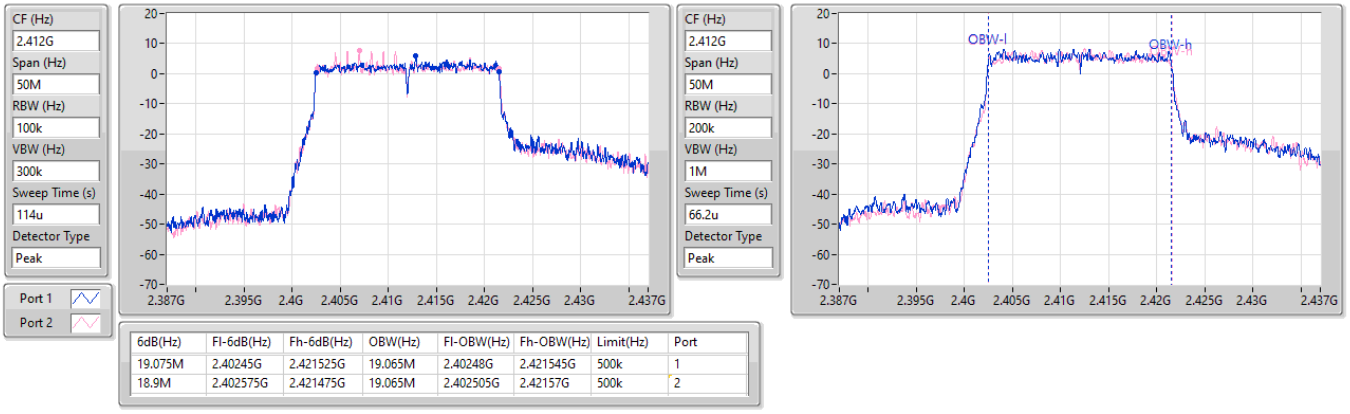


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.05M	2.452475G	2.471525G	19.14M	2.45238G	2.47152G	500k	1
18.675M	2.452575G	2.47125G	19.04M	2.452455G	2.471495G	500k	2

2.4-2.4835GHz_802.11be EHT20_Nss2,(MCS0)_2TX **EBW**

2412MHz

27/03/2024

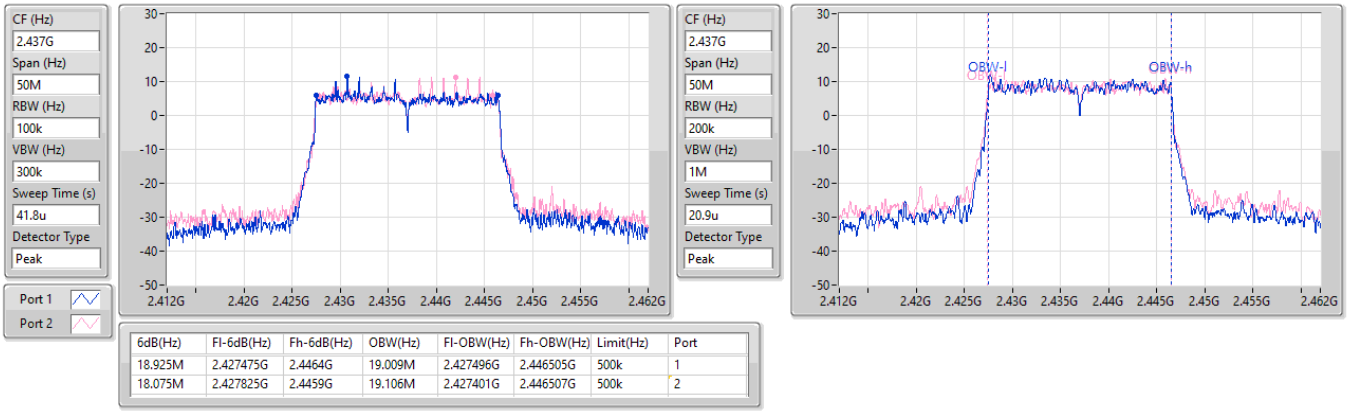


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.075M	2.40245G	2.421525G	19.065M	2.40248G	2.421545G	500k	1
18.9M	2.402575G	2.421475G	19.065M	2.402505G	2.42157G	500k	2

2.4-2.4835GHz_802.11be EHT20_Nss2,(MCS0)_2TX **EBW**

2437MHz

22/01/2024

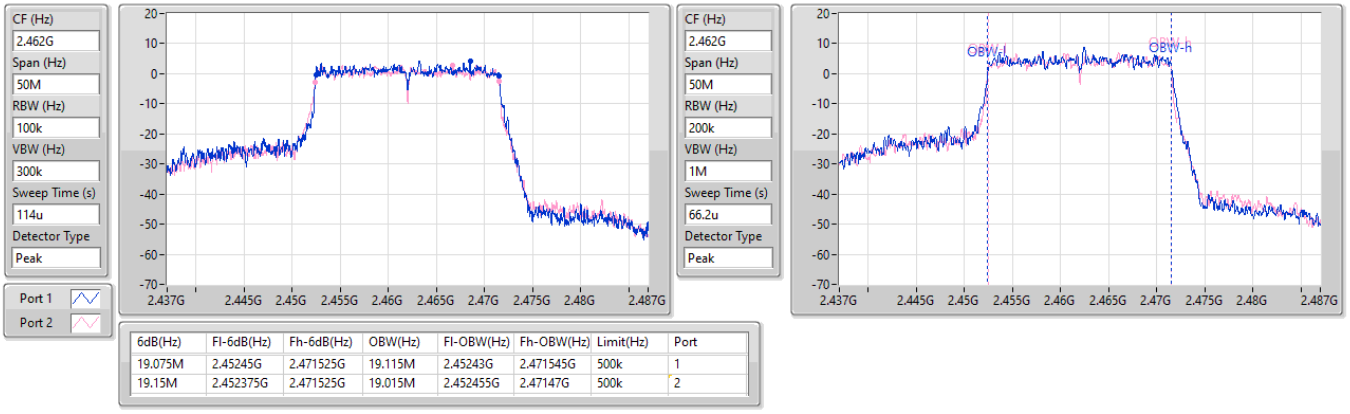


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.925M	2.427475G	2.4464G	19.009M	2.427496G	2.446505G	500k	1
18.075M	2.427825G	2.4459G	19.106M	2.427401G	2.446507G	500k	2

2.4-2.4835GHz_802.11be EHT20_Nss2,(MCS0)_2TX **EBW**

2462MHz

27/03/2024



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.075M	2.45245G	2.471525G	19.115M	2.45243G	2.471545G	500k	1
19.15M	2.452375G	2.471525G	19.015M	2.452455G	2.47147G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	29.72	0.93756
802.11g_Nss1,(6Mbps)_2TX	28.63	0.72946
802.11be EHT20_Nss1,(MCS0)_2TX	27.10	0.51286
802.11be EHT20_Nss2,(MCS0)_2TX	27.04	0.50582
802.11be EHT20-BF_Nss1,(MCS0)_2TX	27.10	0.51286

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.17	23.23	22.5	25.89	30.00
2417MHz	Pass	3.17	23.17	22.88	26.04	30.00
2437MHz	Pass	3.17	27.06	26.33	29.72	30.00
2457MHz	Pass	3.17	23.28	23.53	26.42	30.00
2462MHz	Pass	3.17	22.73	21.95	25.37	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.17	21.12	20.55	23.85	30.00
2417MHz	Pass	3.17	20.98	21.32	24.16	30.00
2437MHz	Pass	3.17	25.91	25.3	28.63	30.00
2457MHz	Pass	3.17	21.99	22.34	25.18	30.00
2462MHz	Pass	3.17	20.25	19.77	23.03	30.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.17	20.76	20.00	23.41	30.00
2417MHz	Pass	3.17	20.56	21.27	23.94	30.00
2437MHz	Pass	3.17	24.5	23.63	27.10	30.00
2457MHz	Pass	3.17	21.42	21.53	24.49	30.00
2462MHz	Pass	3.17	18.55	18.05	21.32	30.00
802.11be EHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.17	20.65	19.98	23.34	30.00
2417MHz	Pass	3.17	20.54	20.39	23.48	30.00
2437MHz	Pass	3.17	24.4	23.62	27.04	30.00
2457MHz	Pass	3.17	19.7	20.34	23.04	30.00
2462MHz	Pass	3.17	18.26	17.8	21.05	30.00
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.90	20.76	20.00	23.41	30.00
2417MHz	Pass	3.90	20.56	21.27	23.94	30.00
2437MHz	Pass	3.90	24.5	23.63	27.10	30.00
2457MHz	Pass	3.90	21.42	21.53	24.49	30.00
2462MHz	Pass	3.90	18.55	18.05	21.32	30.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_4TX	29.80	0.95499
802.11g_Nss1,(6Mbps)_4TX	29.24	0.83946
802.11be EHT20_Nss1,(MCS0)_4TX	28.75	0.74989
802.11be EHT20_Nss4,(MCS0)_4TX	28.87	0.77090
802.11be EHT20-BF_Nss1,(MCS0)_4TX	28.75	0.74989

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.17	23.72	22.92	21.92	22.17	28.76	30.00
2417MHz	Pass	3.17	23.89	23.22	22.58	22.64	29.14	30.00
2437MHz	Pass	3.17	24.66	24.05	23.01	23.19	29.80	30.00
2457MHz	Pass	3.17	24.15	23.58	22.84	22.95	29.43	30.00
2462MHz	Pass	3.17	24.12	23.21	22.74	22.56	29.22	30.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.17	19.88	19.57	18.73	18.53	25.23	30.00
2417MHz	Pass	3.17	20.75	19.95	19.65	19.47	26.00	30.00
2437MHz	Pass	3.17	24.01	23.50	22.79	22.42	29.24	30.00
2457MHz	Pass	3.17	22.45	22.06	21.28	21.11	27.78	30.00
2462MHz	Pass	3.17	20.07	19.97	18.91	18.46	25.43	30.00
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.17	17.37	17.29	17.63	17.82	23.55	30.00
2417MHz	Pass	3.17	21.29	20.78	20.04	19.76	26.53	30.00
2437MHz	Pass	3.17	23.59	22.79	22.34	22.05	28.75	30.00
2457MHz	Pass	3.17	20.31	19.99	18.94	18.79	25.58	30.00
2462MHz	Pass	3.17	17.84	17.93	18.12	18.34	24.08	30.00
802.11be EHT20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.17	17.15	17.09	17.46	17.82	23.41	30.00
2417MHz	Pass	3.17	19.51	18.92	18.39	18.28	24.82	30.00
2437MHz	Pass	3.17	23.62	23.07	22.35	22.21	28.87	30.00
2457MHz	Pass	3.17	20.19	19.87	18.87	18.99	25.54	30.00
2462MHz	Pass	3.17	17.28	17.11	17.44	17.81	23.44	30.00
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	6.00	17.37	17.29	17.63	17.82	23.55	30.00
2417MHz	Pass	6.00	21.29	20.78	20.04	19.76	26.53	30.00
2437MHz	Pass	6.00	23.59	22.79	22.34	22.05	28.75	30.00
2457MHz	Pass	6.00	20.31	19.99	18.94	18.79	25.58	30.00
2462MHz	Pass	6.00	17.84	17.93	18.12	18.34	24.08	30.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	28.97	0.78886
802.11g_Nss1,(6Mbps)_2TX	26.21	0.41783
802.11be EHT20_Nss1,(MCS0)_2TX	25.92	0.39084
802.11be EHT20_Nss2,(MCS0)_2TX	25.58	0.36141
802.11be EHT20-BF_Nss1,(MCS0)_2TX	25.92	0.39084

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.98	23.37	23.21	26.30	30.00
2417MHz	Pass	2.98	23.47	23.11	26.30	30.00
2437MHz	Pass	2.98	26.13	25.79	28.97	30.00
2457MHz	Pass	2.98	24.05	23.86	26.97	30.00
2462MHz	Pass	2.98	23.37	23.14	26.27	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.98	16.59	23.08	23.96	30.00
2417MHz	Pass	2.98	18.80	18.79	21.81	30.00
2437MHz	Pass	2.98	23.21	23.18	26.21	30.00
2457MHz	Pass	2.98	20.56	20.48	23.53	30.00
2462MHz	Pass	2.98	19.48	19.15	22.33	30.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.98	20.28	20.27	23.29	30.00
2417MHz	Pass	2.98	21.22	21.41	24.33	30.00
2437MHz	Pass	2.98	22.98	22.84	25.92	30.00
2457MHz	Pass	2.98	18.52	18.31	21.43	30.00
2462MHz	Pass	2.98	17.96	17.64	20.81	30.00
802.11be EHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.98	20.08	19.91	23.01	30.00
2417MHz	Pass	2.98	21.07	21.12	24.11	30.00
2437MHz	Pass	2.98	22.58	22.56	25.58	30.00
2457MHz	Pass	2.98	18.85	18.83	21.85	30.00
2462MHz	Pass	2.98	18.74	18.42	21.59	30.00
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.05	20.28	20.27	23.29	30.00
2417MHz	Pass	3.05	21.22	21.41	24.33	30.00
2437MHz	Pass	3.05	22.98	22.84	25.92	30.00
2457MHz	Pass	3.05	18.52	18.31	21.43	30.00
2462MHz	Pass	3.05	17.96	17.64	20.81	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	5.93
802.11g_Nss1,(6Mbps)_2TX	0.79
802.11be EHT20_Nss1,(MCS0)_2TX	-1.22
802.11be EHT20_Nss2,(MCS0)_2TX	-1.18

RBW = 3kHz;

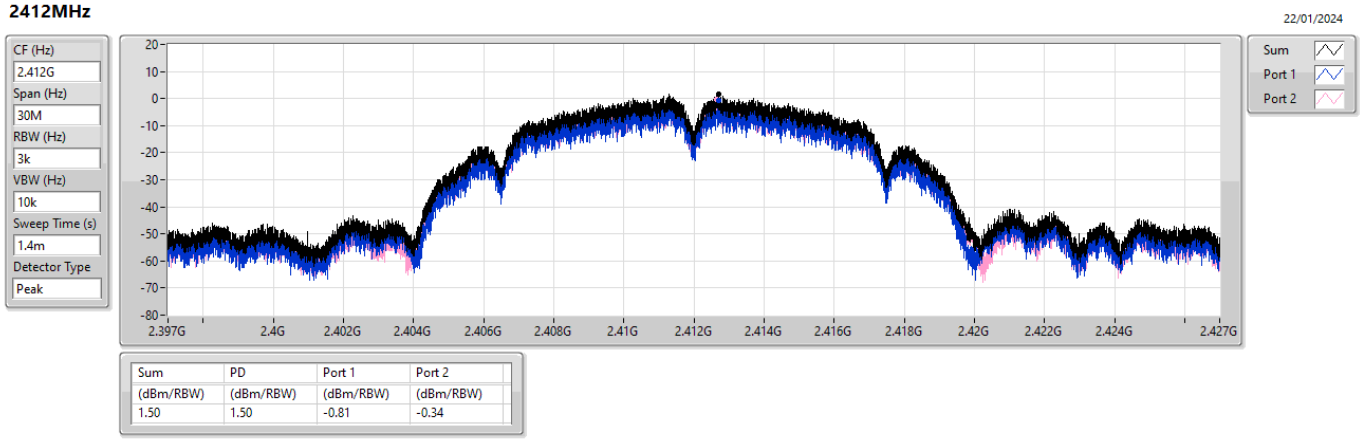
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.90	-0.81	-0.34	1.50	8.00
2437MHz	Pass	3.90	4.32	3.04	5.93	8.00
2462MHz	Pass	3.90	-0.94	-1.46	0.74	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.90	-5.09	-6.17	-3.72	8.00
2437MHz	Pass	3.90	-0.38	-1.37	0.79	8.00
2462MHz	Pass	3.90	-6.02	-7.14	-4.85	8.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.90	-7.15	-8.09	-5.72	8.00
2437MHz	Pass	3.90	-3.60	-3.61	-1.22	8.00
2462MHz	Pass	3.90	-8.85	-9.07	-7.44	8.00
802.11be EHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.17	-6.85	-8.28	-5.32	8.00
2437MHz	Pass	3.17	-2.81	-2.66	-1.18	8.00
2462MHz	Pass	3.17	-8.95	-9.24	-7.30	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;

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **PSD**

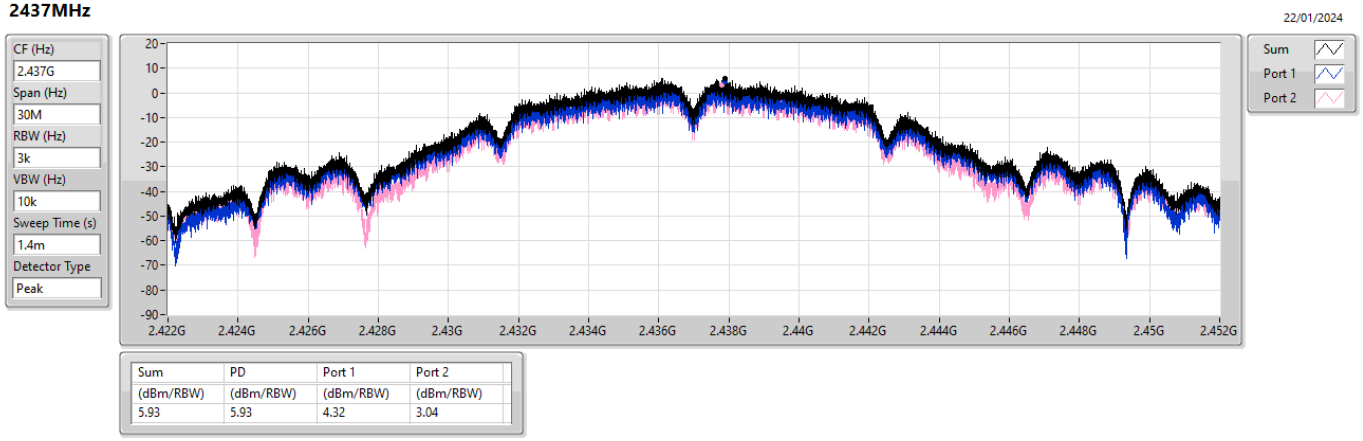
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.50	1.50	-0.81	-0.34

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **PSD**

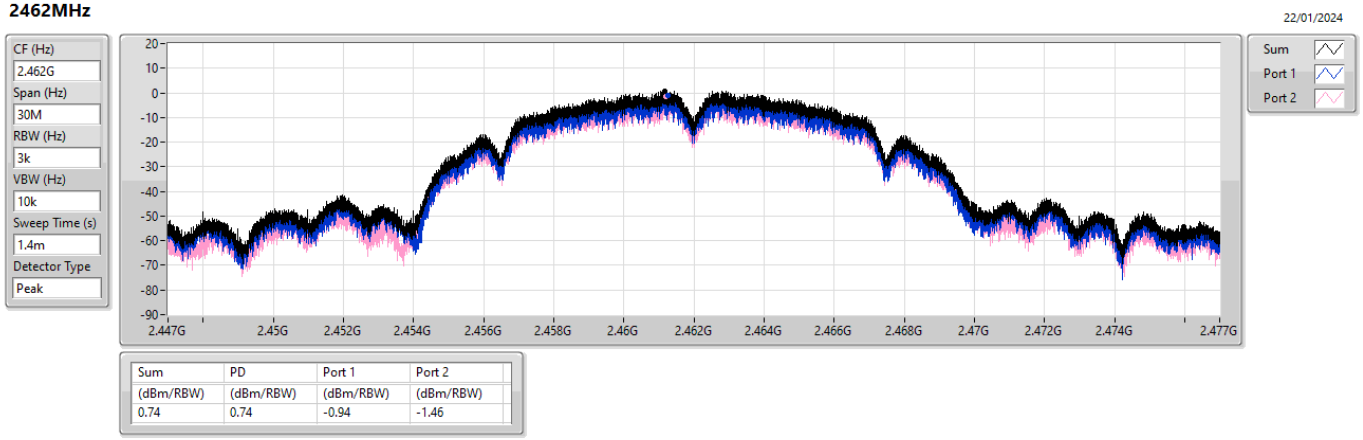
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.93	5.93	4.32	3.04

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **PSD**

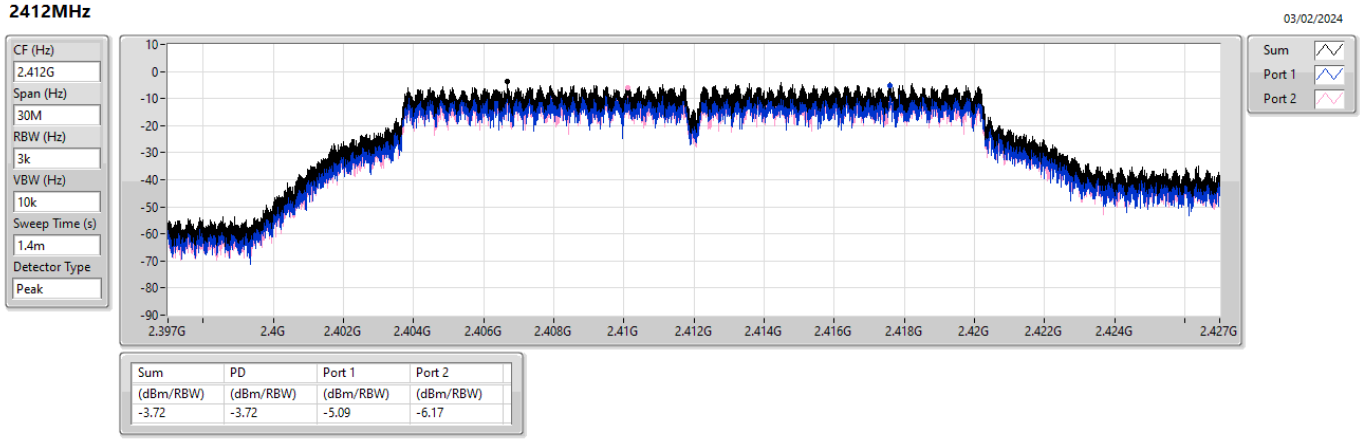
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.74	0.74	-0.94	-1.46

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **PSD**

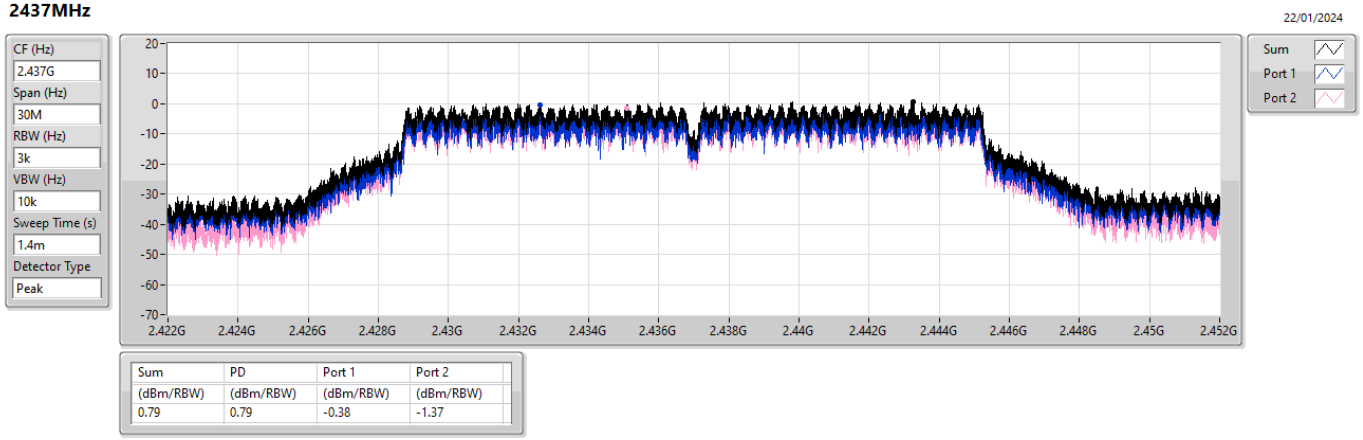
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.72	-3.72	-5.09	-6.17

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **PSD**

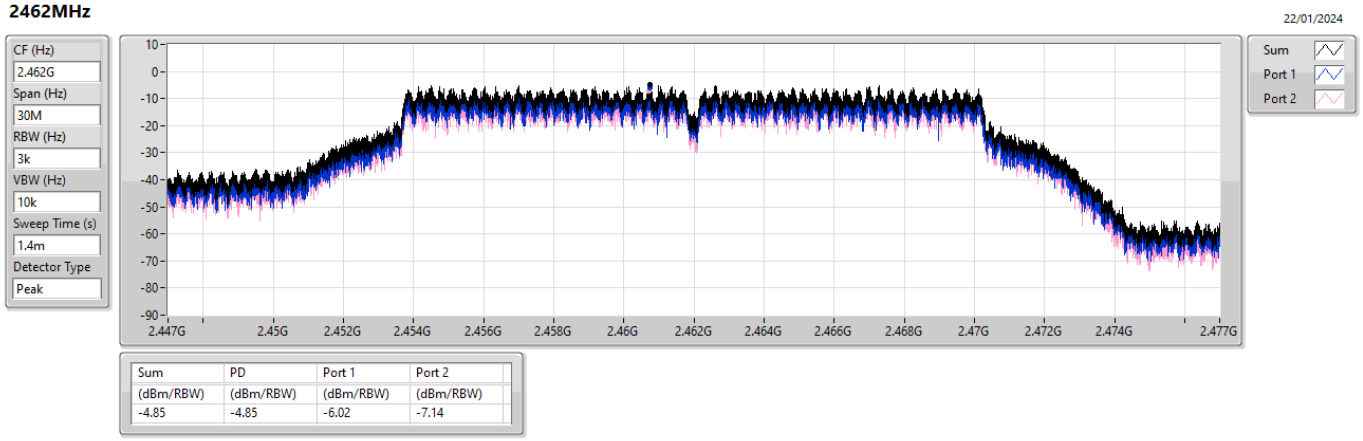
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.79	0.79	-0.38	-1.37

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **PSD**

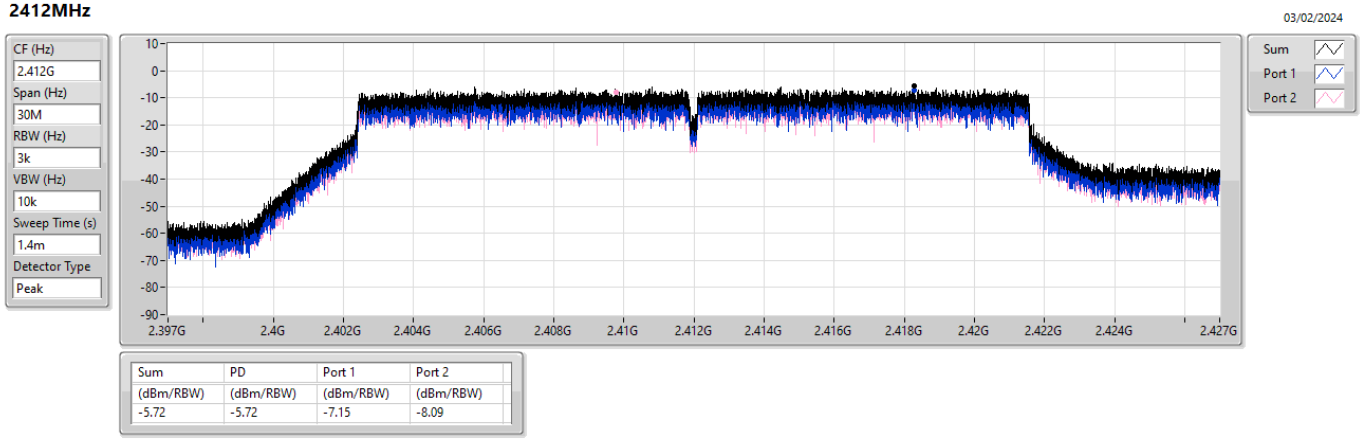
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.85	-4.85	-6.02	-7.14

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX **PSD**

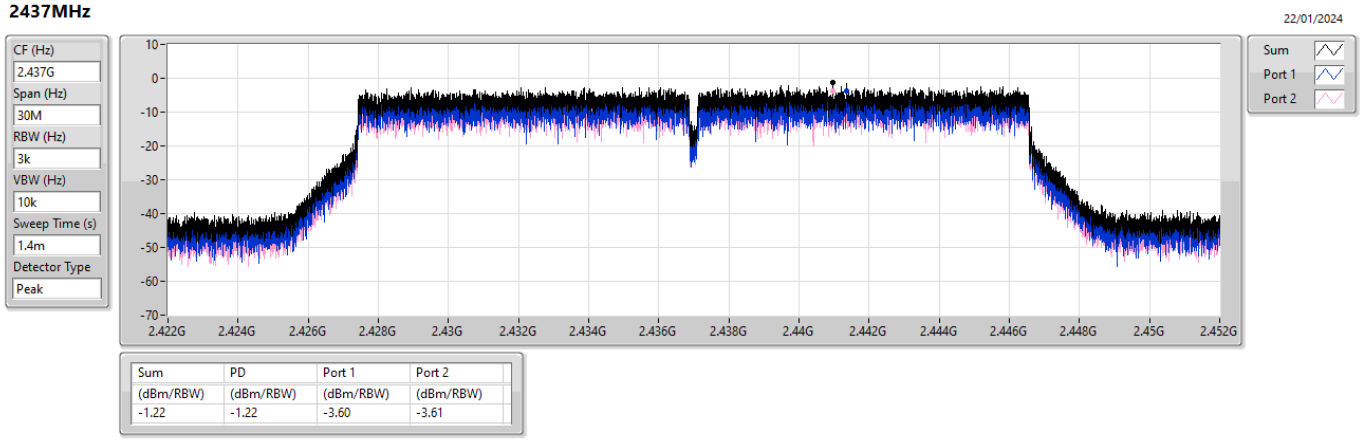
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.72	-5.72	-7.15	-8.09

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX **PSD**

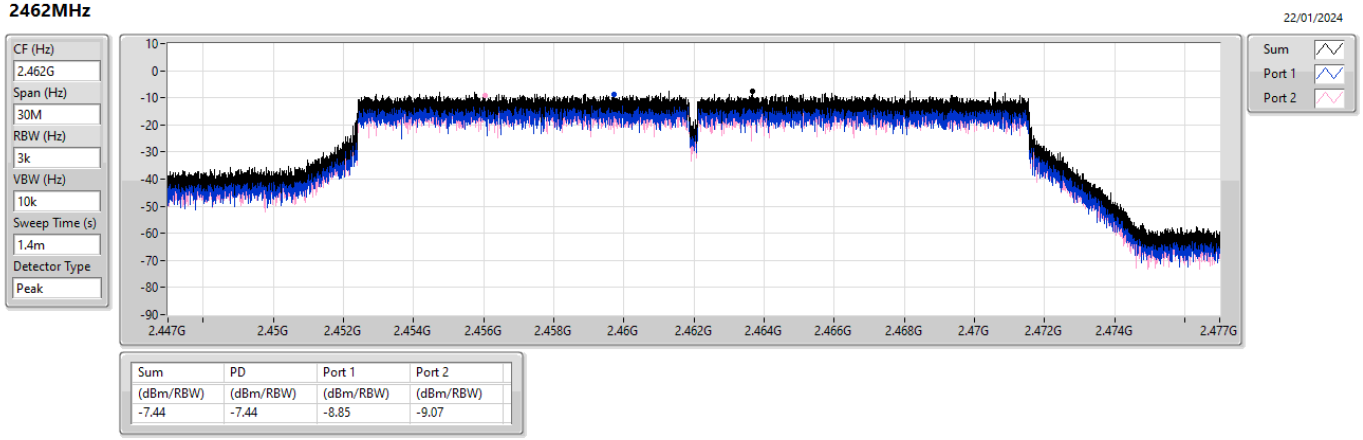
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.22	-1.22	-3.60	-3.61

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX **PSD**

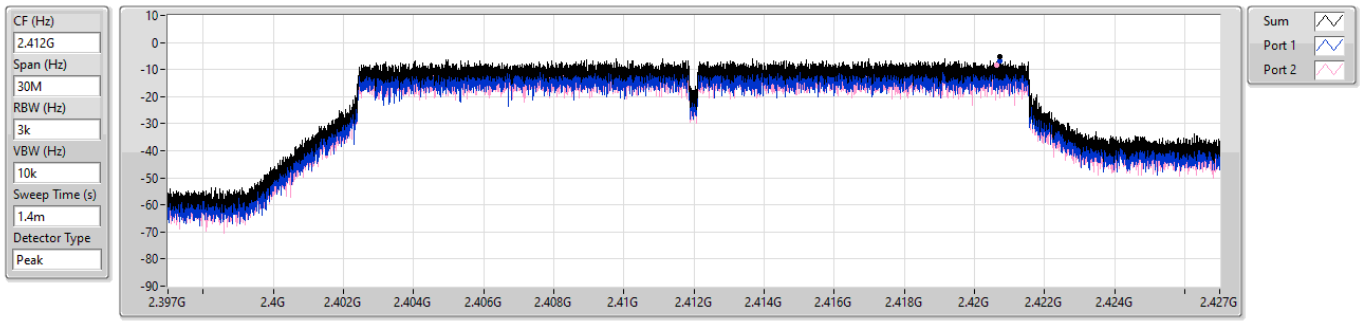
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.44	-7.44	-8.85	-9.07

2.4-2.4835GHz_802.11be EHT20_Nss2,(MCS0)_2TX **PSD**

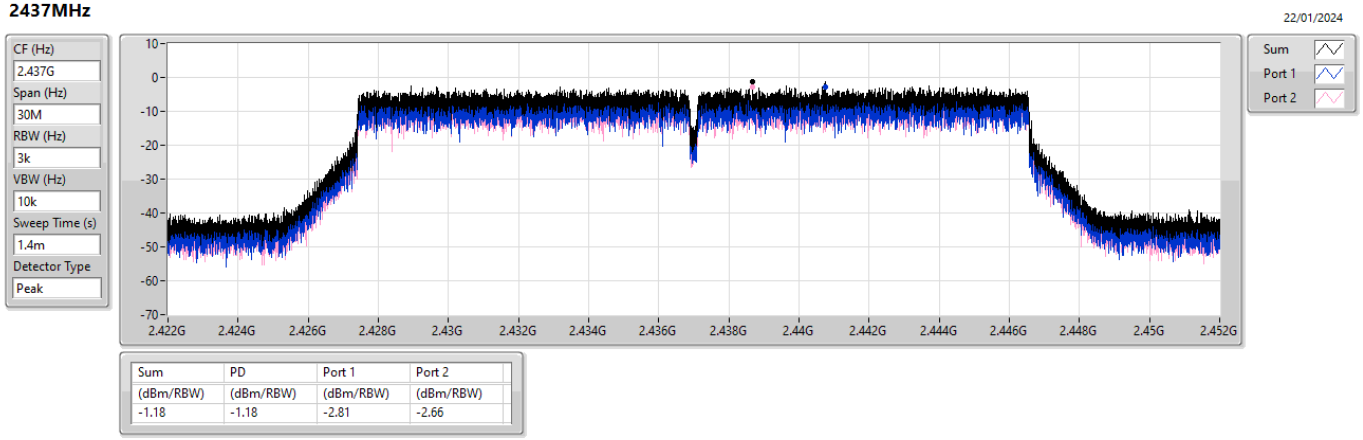
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.32	-5.32	-6.85	-8.28

2.4-2.4835GHz_802.11be EHT20_Nss2,(MCS0)_2TX **PSD**

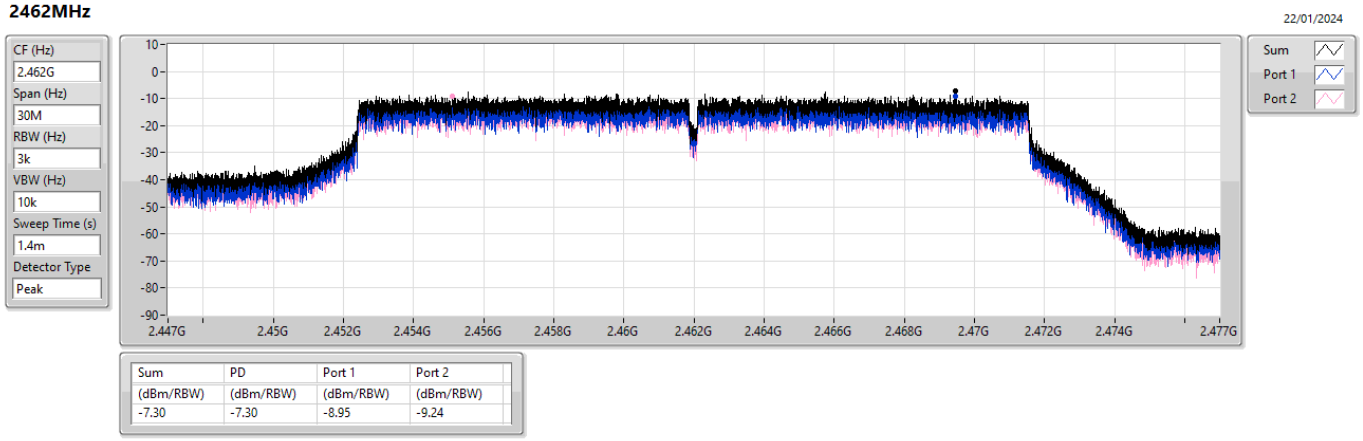
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.18	-1.18	-2.81	-2.66

2.4-2.4835GHz_802.11be EHT20_Nss2,(MCS0)_2TX **PSD**

2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.30	-7.30	-8.95	-9.24

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_4TX	5.07
802.11g_Nss1,(6Mbps)_4TX	0.84
802.11be EHT20_Nss1,(MCS0)_4TX	-0.21
802.11be EHT20_Nss4,(MCS0)_4TX	-0.15

RBW = 3kHz;

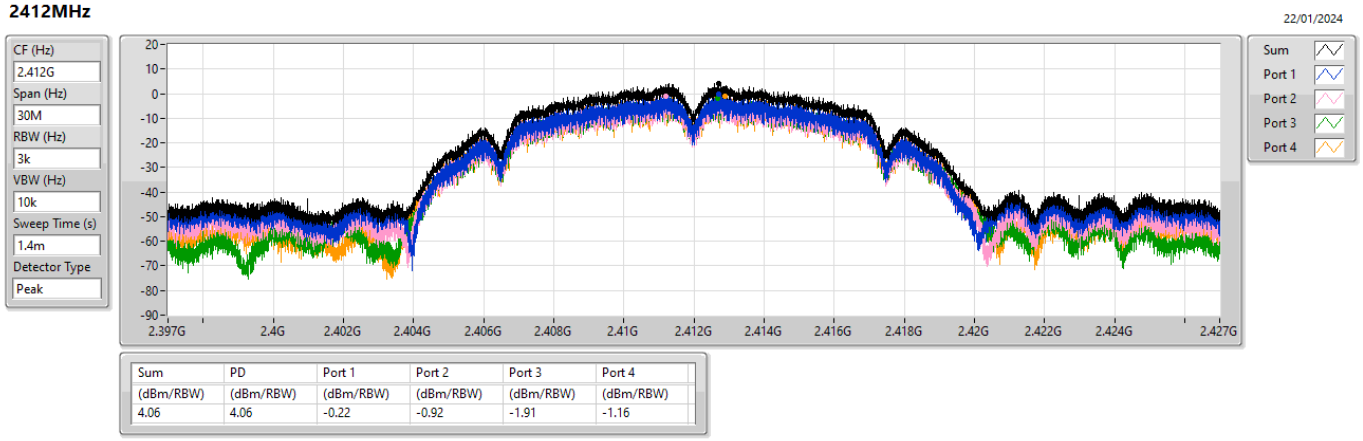
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	6.00	-0.22	-0.92	-1.91	-1.16	4.06	8.00
2437MHz	Pass	6.00	1.20	1.35	0.23	-0.67	5.07	8.00
2462MHz	Pass	6.00	1.12	-0.01	-0.44	-0.27	4.41	8.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	6.00	-5.73	-6.07	-7.39	-7.72	-2.95	8.00
2437MHz	Pass	6.00	-2.34	-2.88	-3.71	-3.37	0.84	8.00
2462MHz	Pass	6.00	-5.32	-6.39	-7.26	-8.38	-2.56	8.00
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	6.00	-10.24	-10.25	-10.03	-10.30	-6.33	8.00
2437MHz	Pass	6.00	-3.23	-5.39	-5.50	-5.93	-0.21	8.00
2462MHz	Pass	6.00	-10.02	-9.55	-9.71	-9.50	-5.69	8.00
802.11be EHT20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.17	-9.44	-10.03	-10.45	-9.31	-5.65	8.00
2437MHz	Pass	3.17	-3.13	-3.91	-5.12	-4.56	-0.15	8.00
2462MHz	Pass	3.17	-9.08	-10.03	-10.43	-9.81	-5.43	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;

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX **PSD**

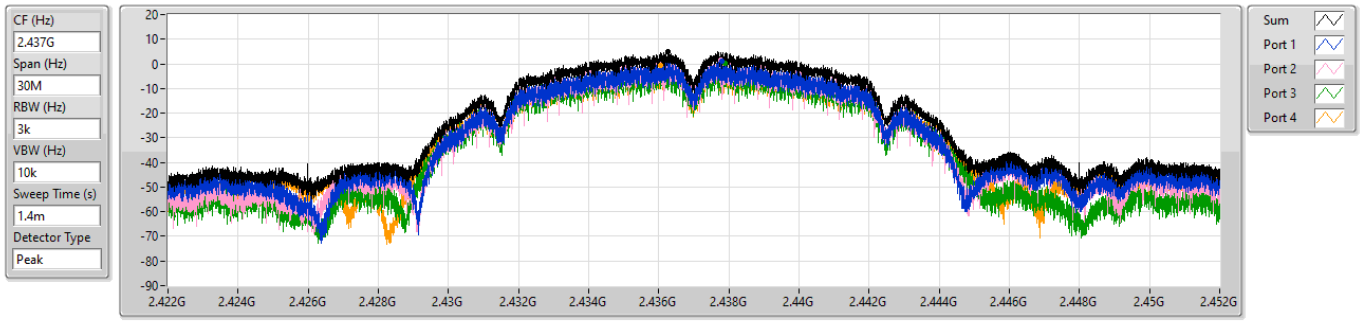
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.06	4.06	-0.22	-0.92	-1.91	-1.16

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX **PSD**

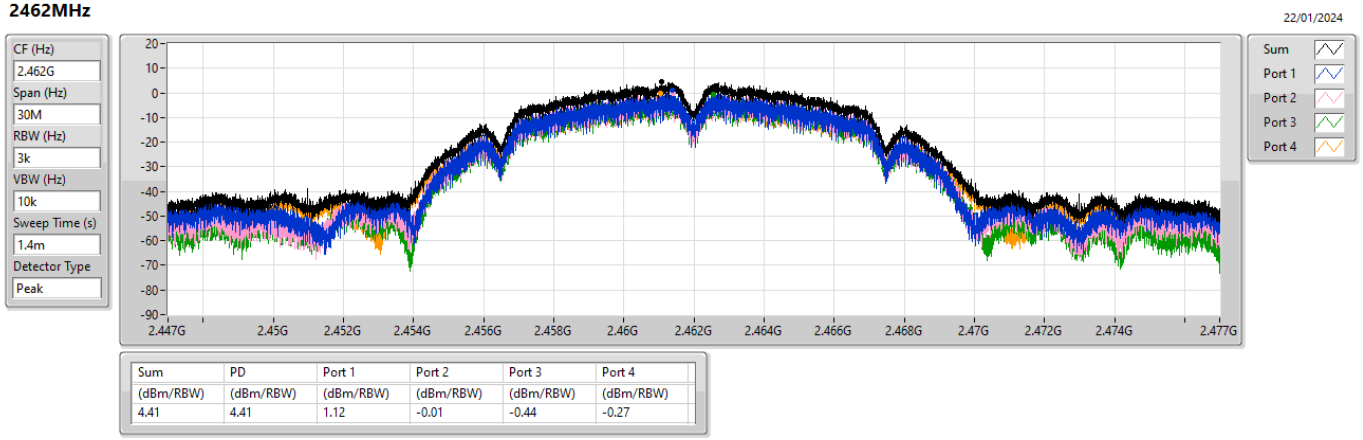
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.07	5.07	1.20	1.35	0.23	-0.67

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX **PSD**

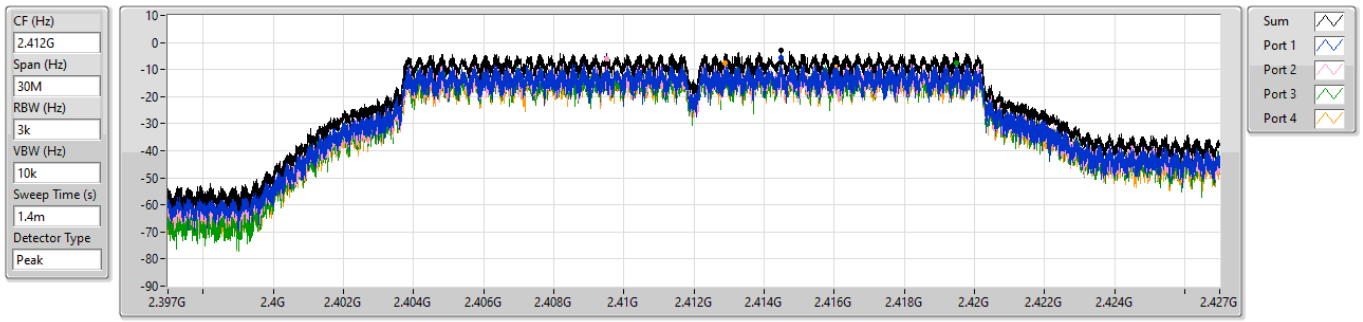
2462MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.41	4.41	1.12	-0.01	-0.44	-0.27

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX **PSD**

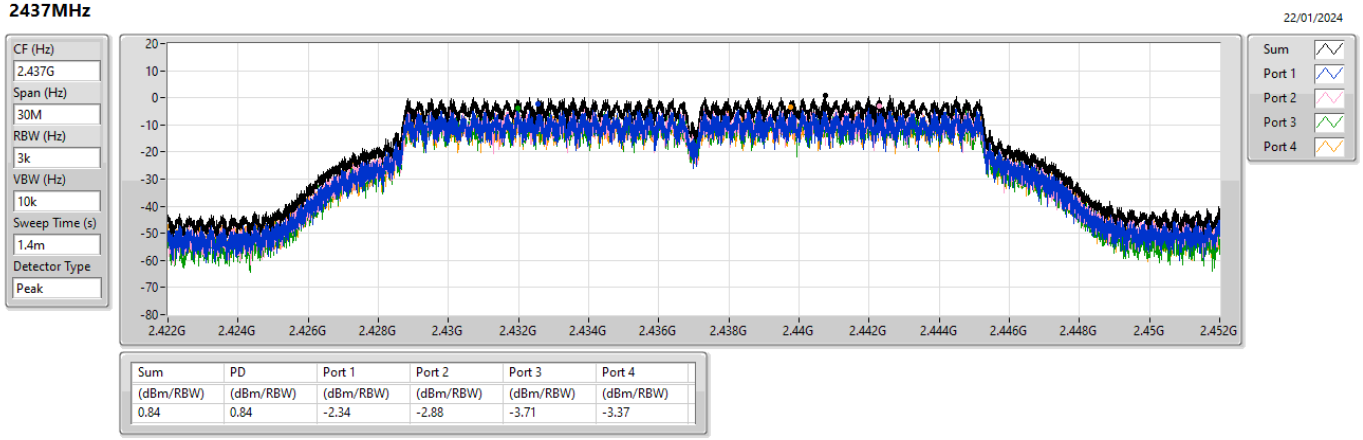
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.95	-2.95	-5.73	-6.07	-7.39	-7.72

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX **PSD**

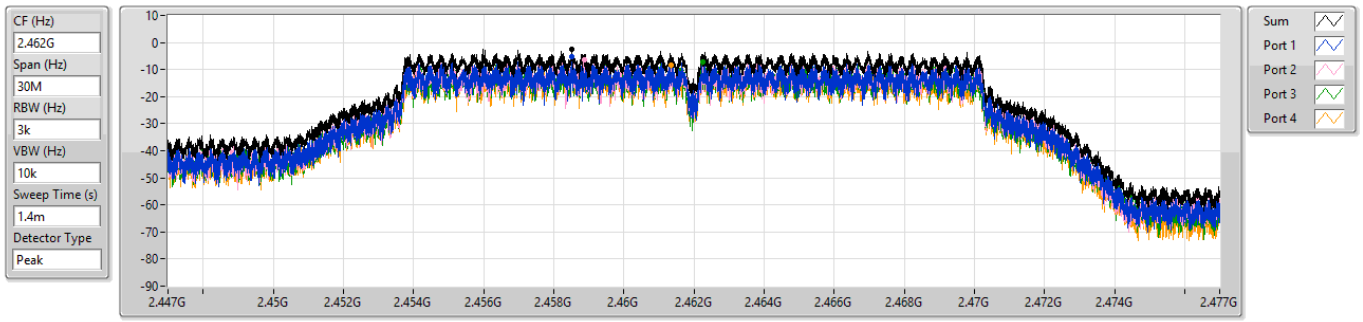
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.84	0.84	-2.34	-2.88	-3.71	-3.37

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX **PSD**

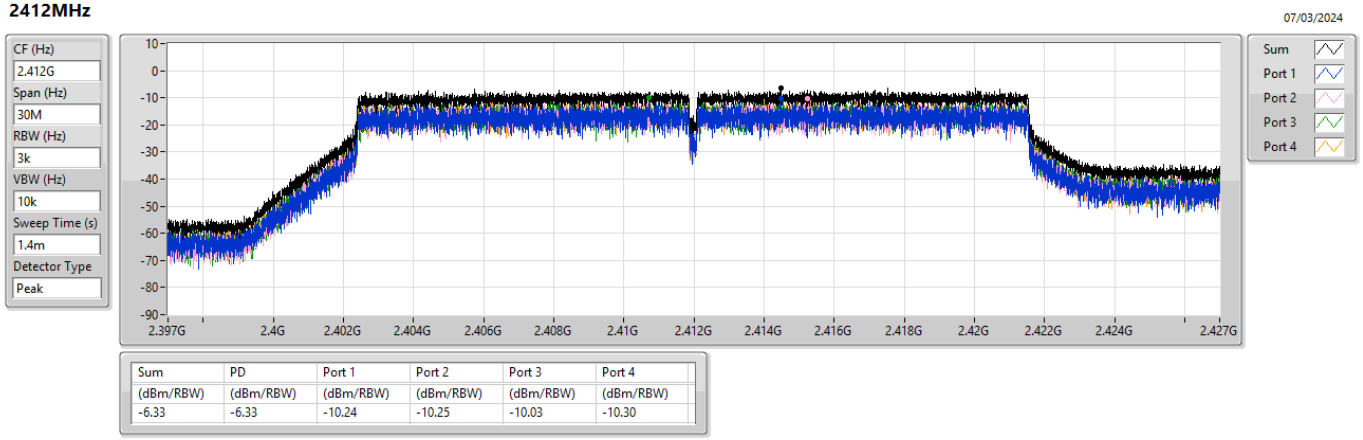
2462MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.56	-2.56	-5.32	-6.39	-7.26	-8.38

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_4TX **PSD**

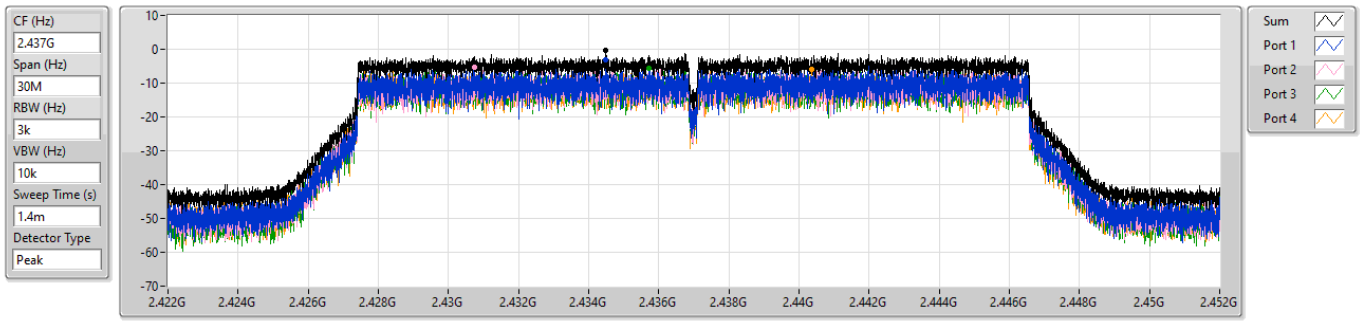
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.33	-6.33	-10.24	-10.25	-10.03	-10.30

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_4TX **PSD**

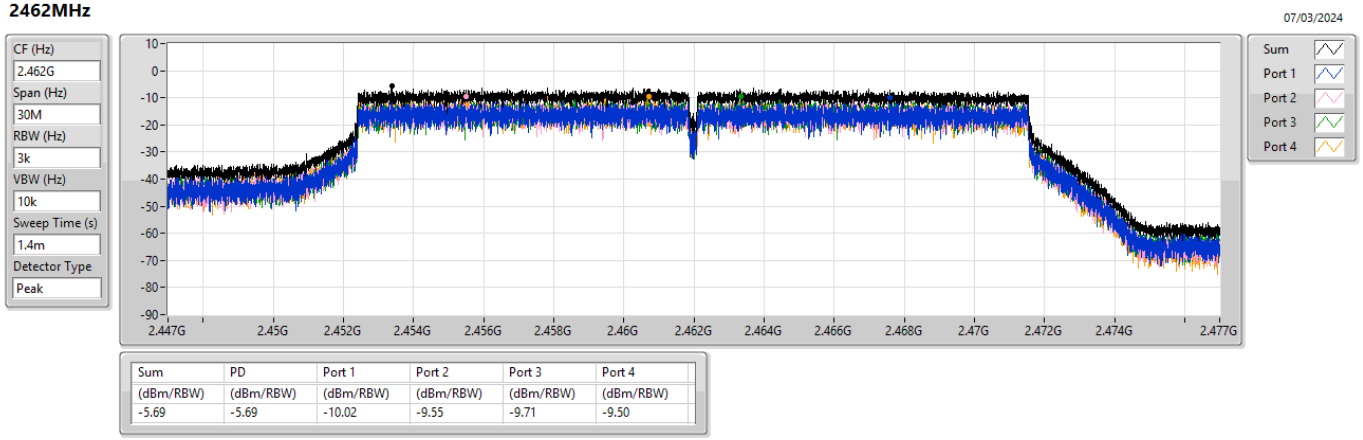
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.21	-0.21	-3.23	-5.39	-5.50	-5.93

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_4TX **PSD**

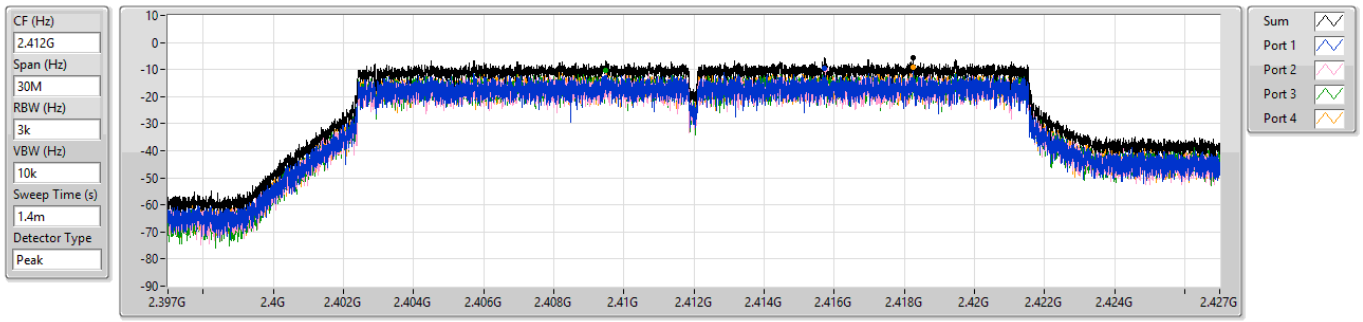
2462MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.69	-5.69	-10.02	-9.55	-9.71	-9.50

2.4-2.4835GHz_802.11be EHT20_Nss4,(MCS0)_4TX **PSD**

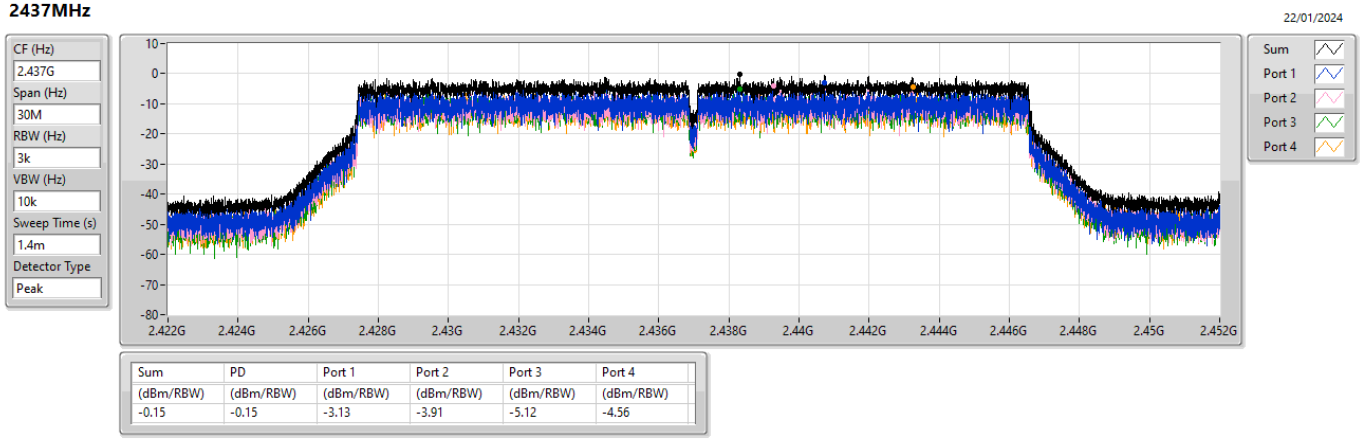
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.65	-5.65	-9.44	-10.03	-10.45	-9.31

2.4-2.4835GHz_802.11be EHT20_Nss4,(MCS0)_4TX **PSD**

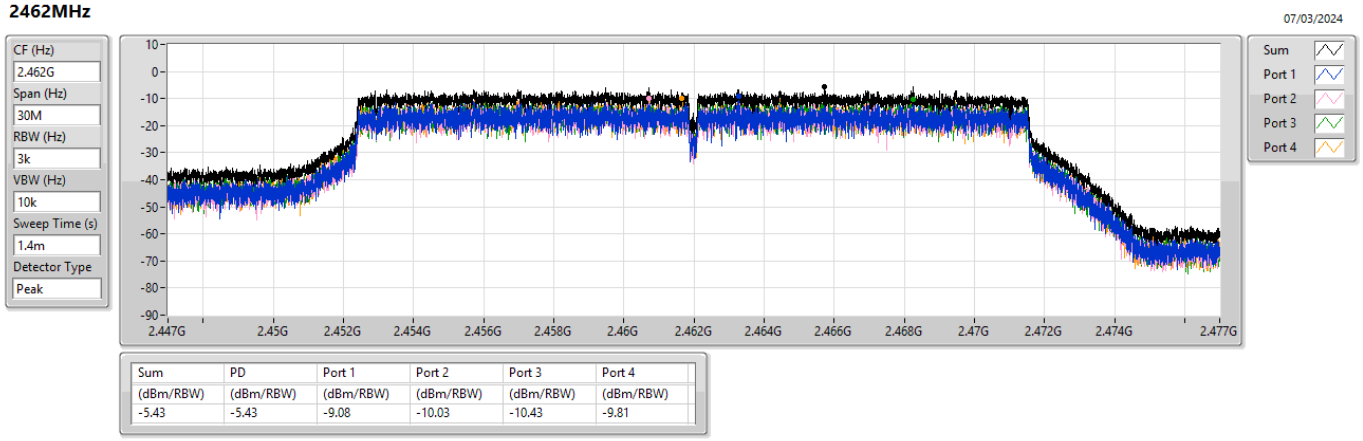
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.15	-0.15	-3.13	-3.91	-5.12	-4.56

2.4-2.4835GHz_802.11be EHT20_Nss4,(MCS0)_4TX **PSD**

2462MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.43	-5.43	-9.08	-10.03	-10.43	-9.81

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	5.16
802.11g_Nss1,(6Mbps)_2TX	-1.24
802.11be EHT20_Nss1,(MCS0)_2TX	-2.92
802.11be EHT20_Nss2,(MCS0)_2TX	-3.39

RBW = 3kHz;

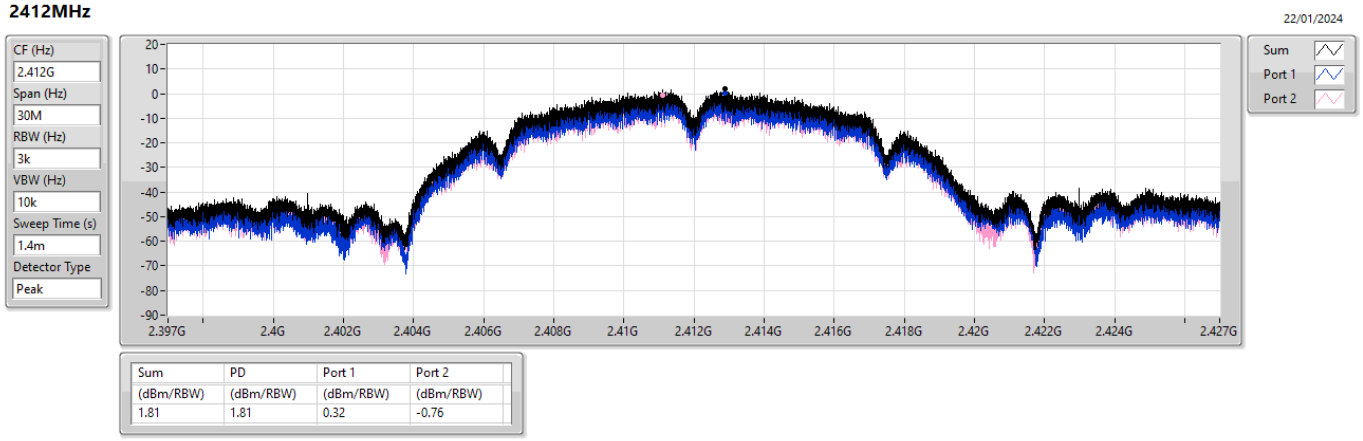
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.05	0.32	-0.76	1.81	8.00
2437MHz	Pass	3.05	4.86	3.50	5.16	8.00
2462MHz	Pass	3.05	-1.13	-0.11	1.73	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.05	-3.61	-3.04	-1.24	8.00
2437MHz	Pass	3.05	-2.36	-3.11	-1.28	8.00
2462MHz	Pass	3.05	-6.82	-6.92	-5.43	8.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.05	-7.25	-6.27	-4.78	8.00
2437MHz	Pass	3.05	-4.83	-5.26	-2.92	8.00
2462MHz	Pass	3.05	-8.89	-9.52	-7.91	8.00
802.11be EHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.98	-4.59	-6.33	-4.03	8.00
2437MHz	Pass	2.98	-4.75	-4.59	-3.39	8.00
2462MHz	Pass	2.98	-8.25	-9.14	-7.03	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;

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **PSD**

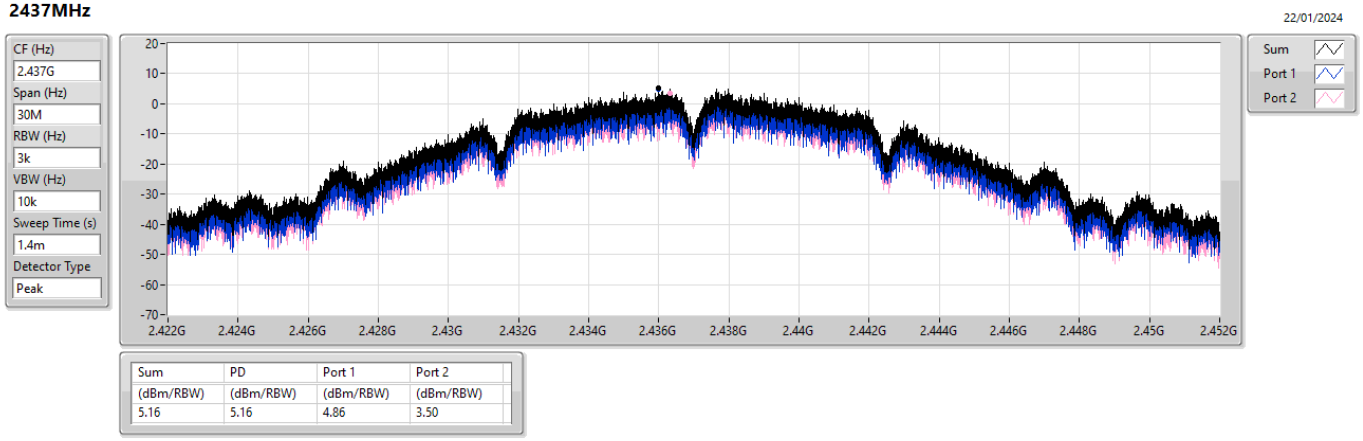
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.81	1.81	0.32	-0.76

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **PSD**

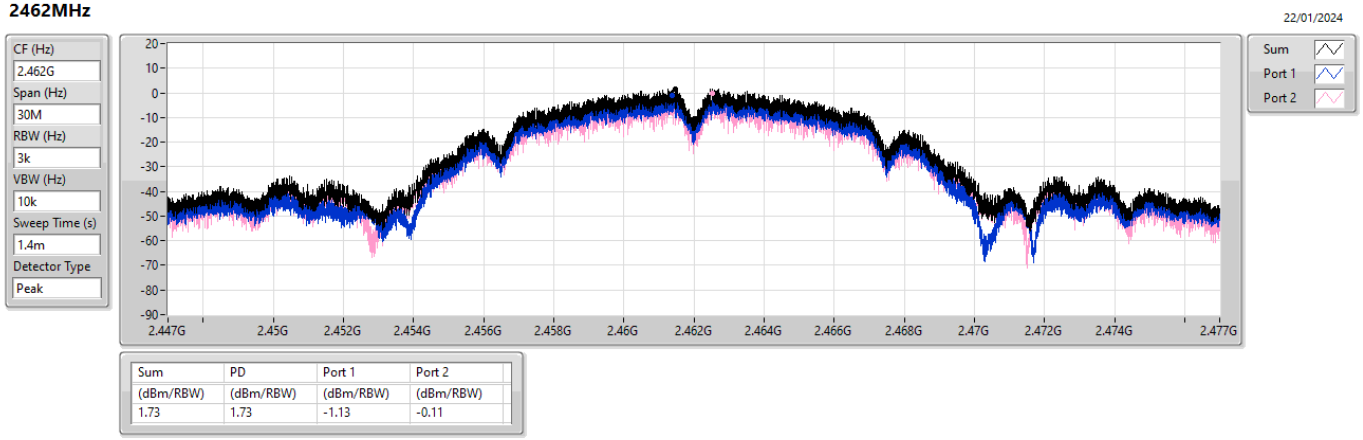
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.16	5.16	4.86	3.50

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **PSD**

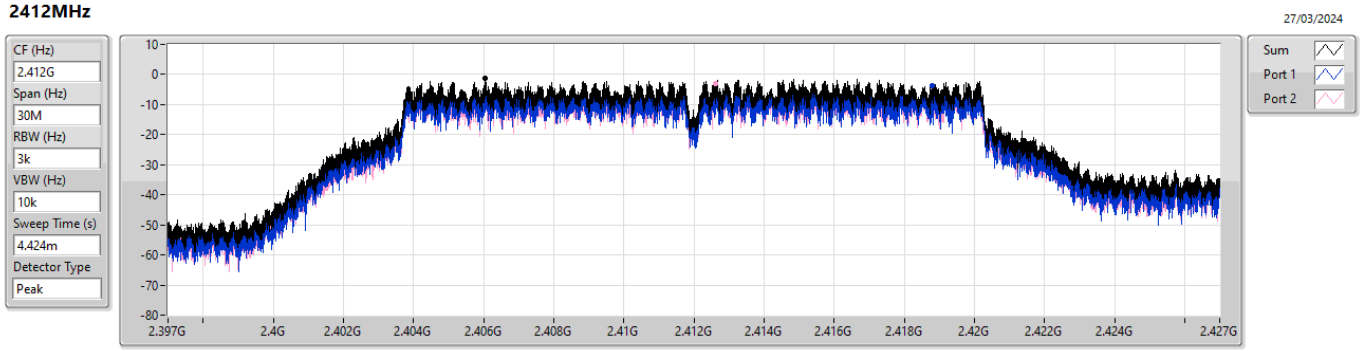
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.73	1.73	-1.13	-0.11

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **PSD**

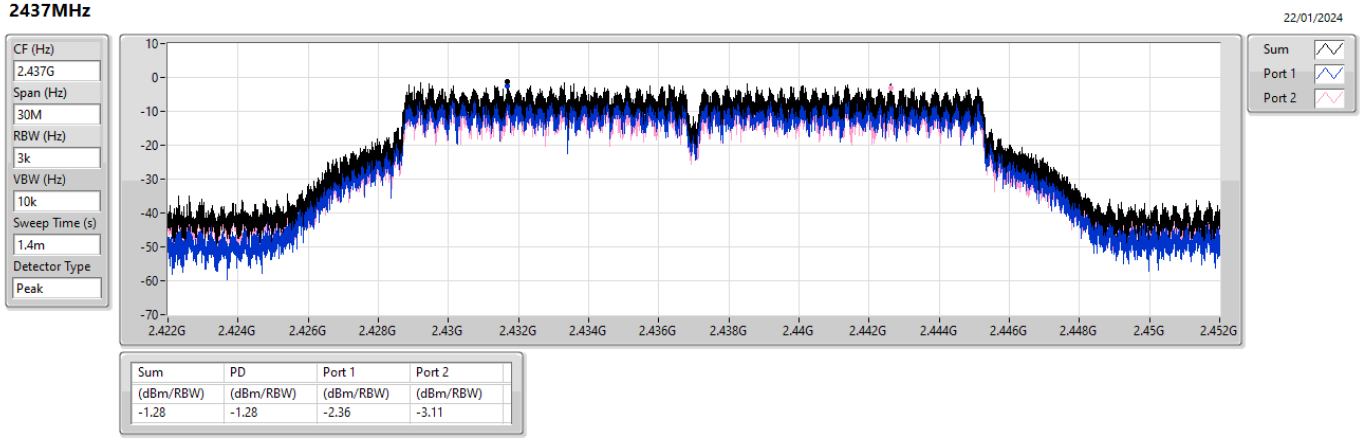
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.24	-1.24	-3.61	-3.04

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **PSD**

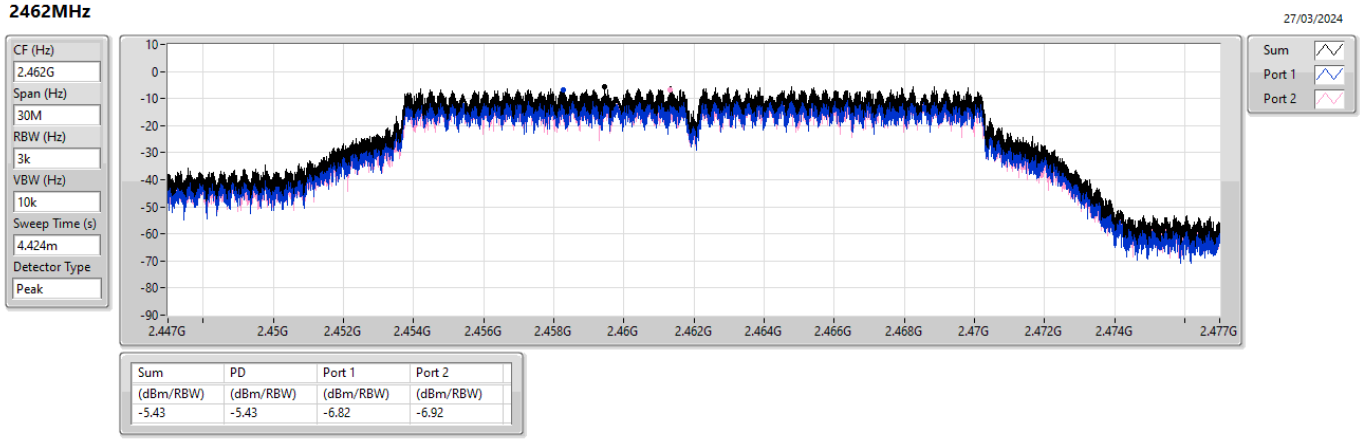
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.28	-1.28	-2.36	-3.11

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **PSD**

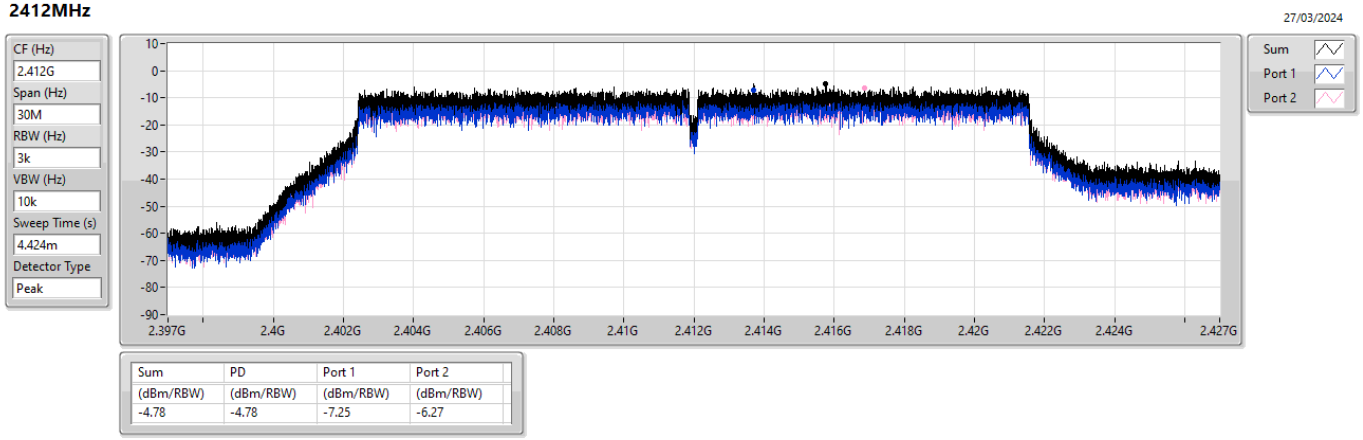
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.43	-5.43	-6.82	-6.92

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX **PSD**

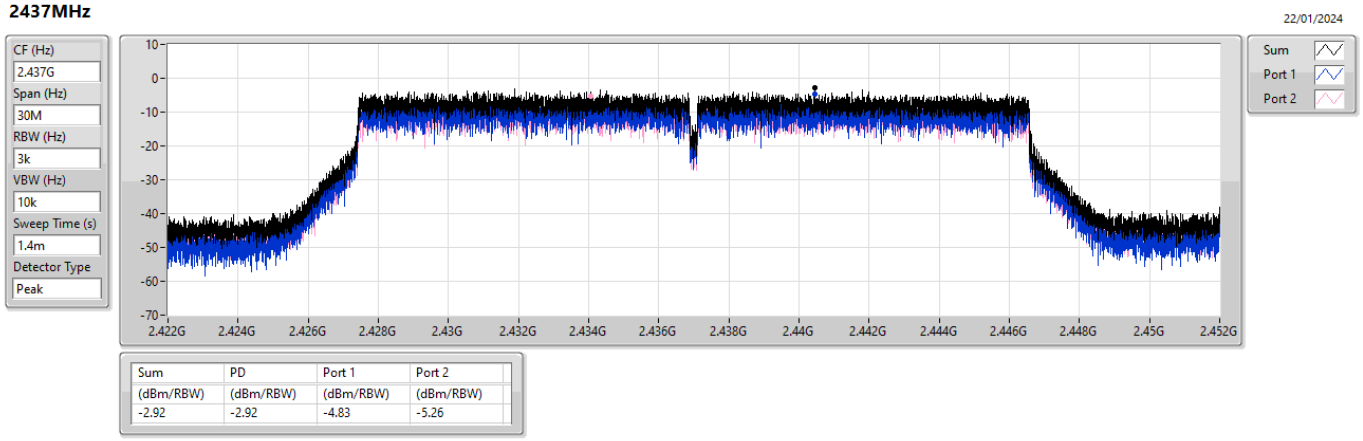
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.78	-4.78	-7.25	-6.27

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX **PSD**

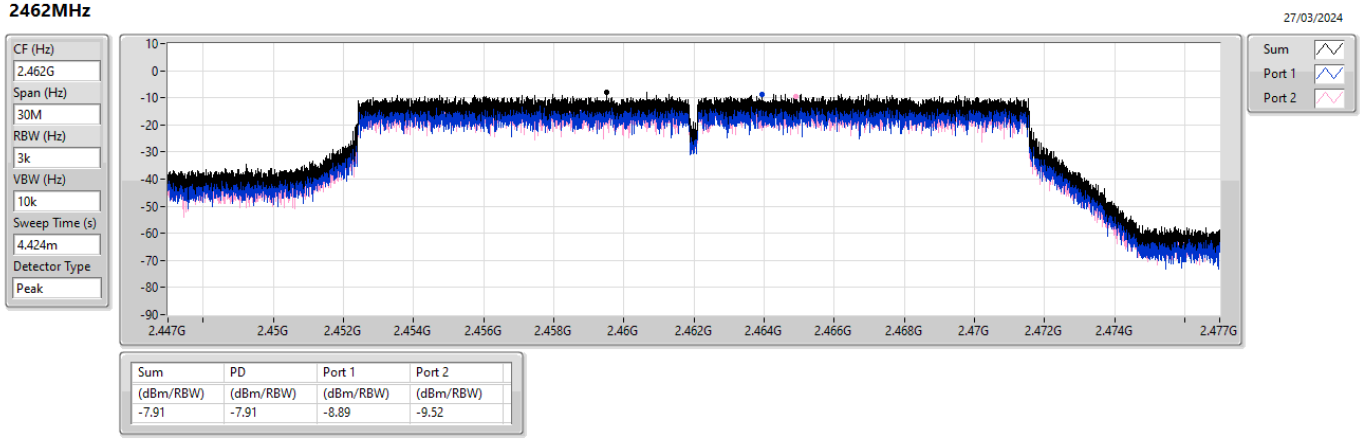
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.92	-2.92	-4.83	-5.26

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX **PSD**

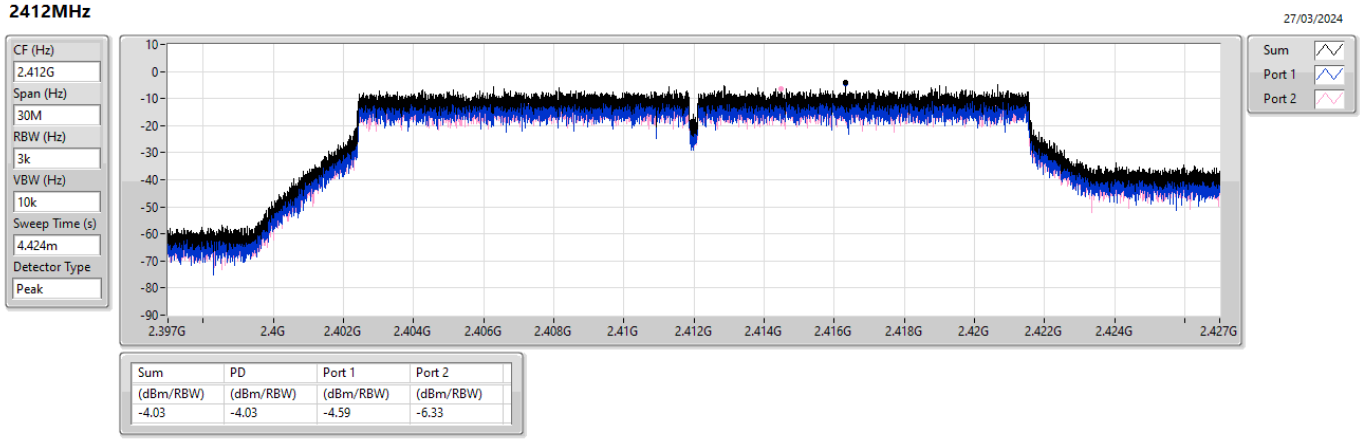
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.91	-7.91	-8.89	-9.52

2.4-2.4835GHz_802.11be EHT20_Nss2,(MCS0)_2TX **PSD**

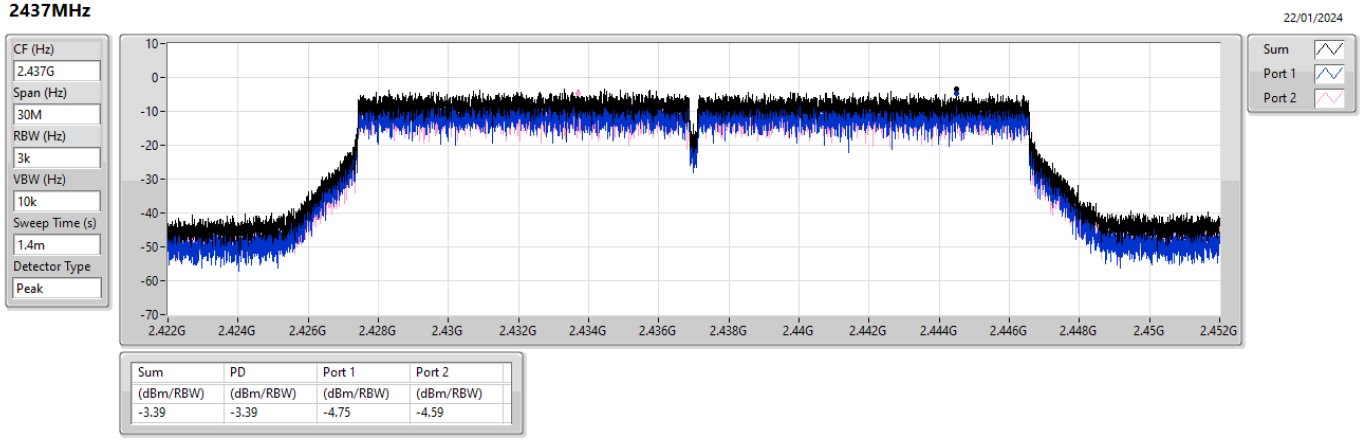
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.03	-4.03	-4.59	-6.33

2.4-2.4835GHz_802.11be EHT20_Nss2,(MCS0)_2TX **PSD**

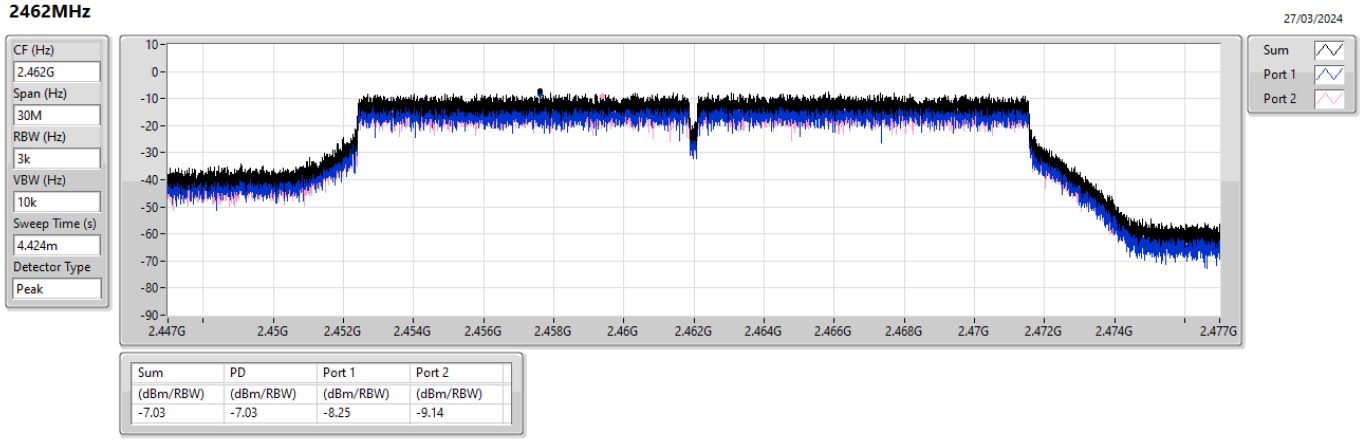
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.39	-3.39	-4.75	-4.59

2.4-2.4835GHz_802.11be EHT20_Nss2,(MCS0)_2TX **PSD**

2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.03	-7.03	-8.25	-9.14

Summary

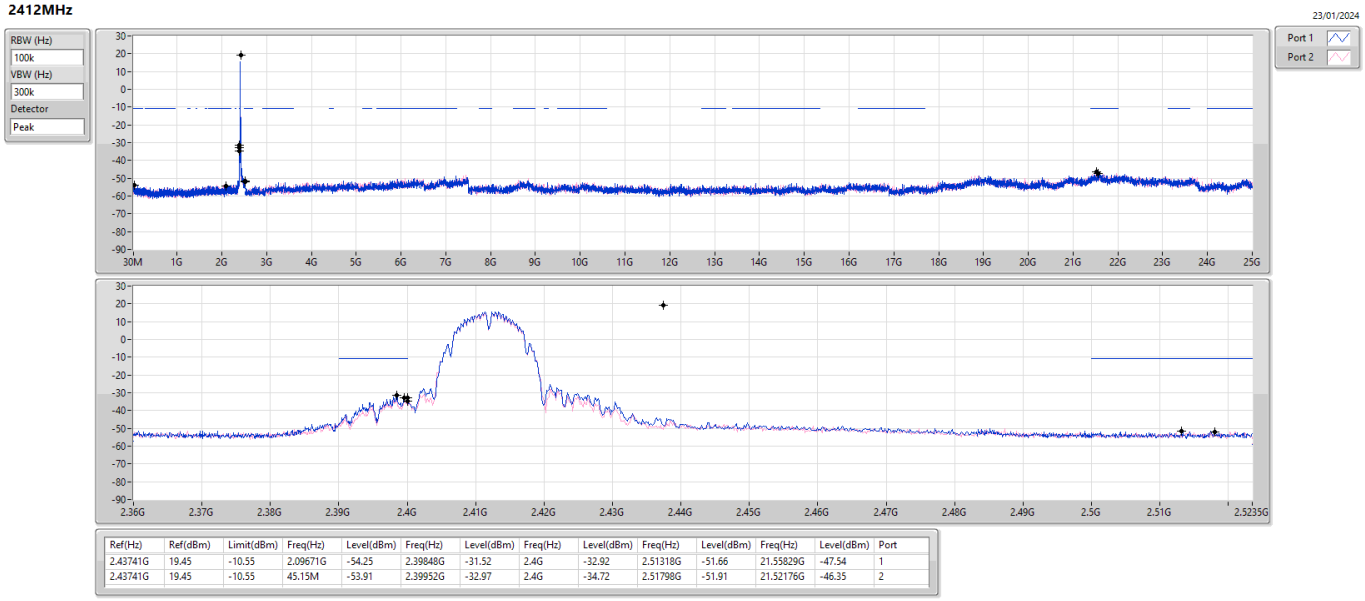
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43741G	19.45	-10.55	2.09671G	-54.25	2.39848G	-31.52	2.4G	-32.92	2.51318G	-51.66	21.55829G	-47.54	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.44459G	15.37	-14.63	151.16M	-53.83	2.4G	-33.48	2.4G	-30.38	2.50174G	-51.13	21.54705G	-46.69	1
802.11be EHT20_Nss1,(MCS0)_2TX	Pass	2.44192G	14.10	-15.90	2.30175G	-54.15	2.4G	-31.89	2.4G	-30.32	2.50366G	-52.03	21.44309G	-47.57	2
802.11be EHT20_Nss2,(MCS0)_2TX	Pass	2.43073G	13.77	-16.23	1.92313G	-52.49	2.4G	-31.19	2.4G	-30.35	2.51454G	-51.14	21.58357G	-47.40	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43741G	19.45	-10.55	2.09671G	-54.25	2.39848G	-31.52	2.4G	-32.92	2.51318G	-51.66	21.55829G	-47.54	1
2412MHz	Pass	2.43741G	19.45	-10.55	45.15M	-53.91	2.39952G	-32.97	2.4G	-34.72	2.51798G	-51.91	21.52176G	-46.35	2
2437MHz	Pass	2.43741G	19.45	-10.55	1.7344G	-54.26	2.39952G	-37.03	2.4G	-39.14	2.52254G	-51.44	21.56671G	-46.76	1
2437MHz	Pass	2.43741G	19.45	-10.55	287.47M	-53.69	2.4G	-43.95	2.4G	-42.98	2.52014G	-51.54	21.56671G	-45.99	2
2462MHz	Pass	2.43741G	19.45	-10.55	61.46M	-54.14	2.39928G	-48.95	2.4G	-51.67	2.5063G	-52.22	21.49648G	-45.95	1
2462MHz	Pass	2.43741G	19.45	-10.55	33.5M	-53.30	2.39856G	-49.55	2.4G	-51.36	2.51846G	-51.61	21.53581G	-48.00	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44459G	15.37	-14.63	151.16M	-53.83	2.4G	-33.48	2.4G	-30.38	2.50174G	-51.13	21.54705G	-46.69	1
2412MHz	Pass	2.44459G	15.37	-14.63	1.79964G	-53.66	2.4G	-34.32	2.4G	-30.67	2.51166G	-50.16	21.44309G	-47.60	2
2437MHz	Pass	2.44459G	15.37	-14.63	1.79148G	-53.85	2.39952G	-34.04	2.4G	-34.35	2.51238G	-51.83	21.53581G	-46.86	1
2437MHz	Pass	2.44459G	15.37	-14.63	1.81711G	-53.66	2.39832G	-38.65	2.4G	-38.09	2.51046G	-51.62	21.47119G	-47.01	2
2462MHz	Pass	2.44459G	15.37	-14.63	2.18409G	-53.75	2.3964G	-50.14	2.4G	-52.25	2.50086G	-50.98	21.57514G	-47.62	1
2462MHz	Pass	2.44459G	15.37	-14.63	2.127G	-53.79	2.39096G	-50.54	2.4G	-52.62	2.5103G	-51.59	21.98253G	-47.49	2
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44192G	14.10	-15.90	1.99885G	-54.18	2.4G	-31.62	2.4G	-30.81	2.50222G	-51.91	21.43467G	-47.14	1
2412MHz	Pass	2.44192G	14.10	-15.90	2.30175G	-54.15	2.4G	-31.89	2.4G	-30.32	2.50366G	-52.03	21.44309G	-47.57	2
2437MHz	Pass	2.44192G	14.10	-15.90	2.127G	-53.94	2.39896G	-36.11	2.4G	-36.56	2.51526G	-51.59	21.52176G	-47.26	1
2437MHz	Pass	2.44192G	14.10	-15.90	1.62838G	-53.99	2.39976G	-36.85	2.4G	-37.75	2.50782G	-51.98	21.93196G	-47.40	2
2462MHz	Pass	2.44192G	14.10	-15.90	2.00235G	-54.62	2.4G	-50.64	2.4G	-52.32	2.50582G	-51.53	21.5611G	-47.15	1
2462MHz	Pass	2.44192G	14.10	-15.90	2.01167G	-53.96	2.39344G	-50.77	2.4G	-53.81	2.50046G	-51.89	21.64538G	-46.92	2
802.11be EHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43073G	13.77	-16.23	1.92313G	-52.49	2.4G	-31.19	2.4G	-30.35	2.51454G	-51.14	21.58357G	-47.40	1
2412MHz	Pass	2.43073G	13.77	-16.23	1.73207G	-53.81	2.4G	-32.83	2.4G	-30.51	2.51934G	-51.55	21.54986G	-47.47	2
2437MHz	Pass	2.43073G	13.77	-16.23	2.19807G	-53.53	2.39952G	-34.91	2.4G	-36.79	2.51806G	-51.65	21.49086G	-47.02	1
2437MHz	Pass	2.43073G	13.77	-16.23	1.88119G	-53.12	2.39952G	-36.82	2.4G	-37.06	2.50198G	-52.06	21.99377G	-45.82	2
2462MHz	Pass	2.43073G	13.77	-16.23	2.17826G	-53.39	2.3992G	-51.01	2.4G	-52.62	2.5143G	-51.83	21.76338G	-46.94	1
2462MHz	Pass	2.43073G	13.77	-16.23	1.87653G	-53.90	2.39504G	-51.18	2.4G	-52.98	2.51854G	-51.58	21.92634G	-47.30	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX CSENdB

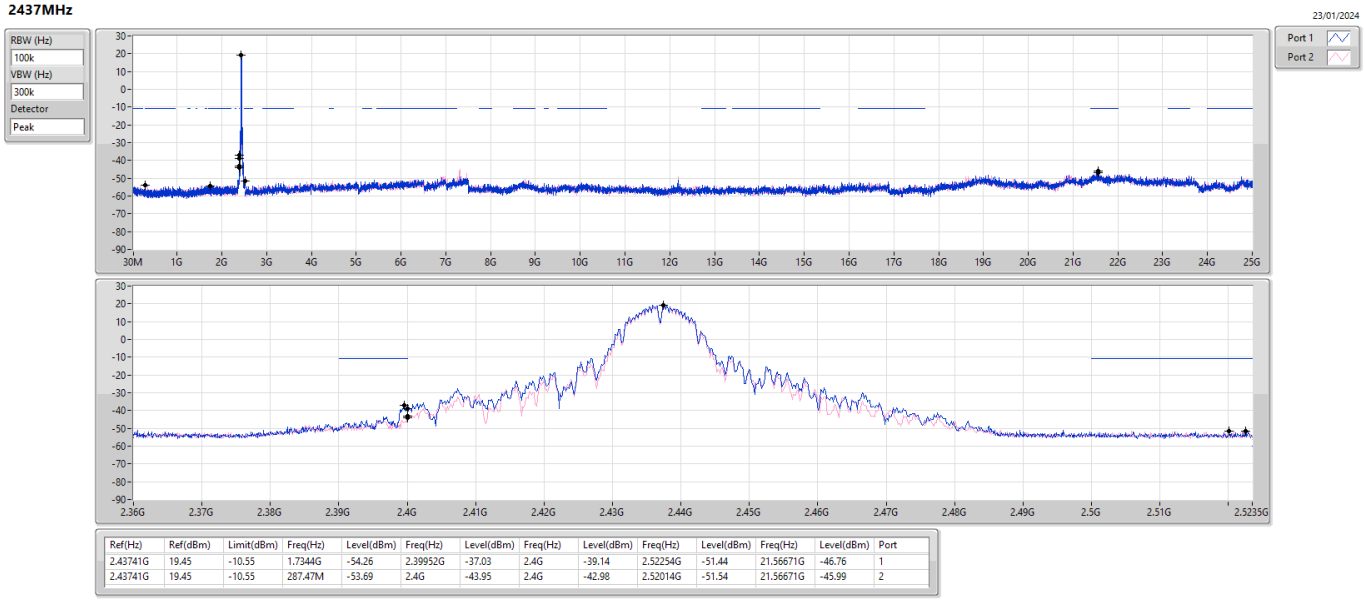
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43741G	19.45	-10.55	2.09671G	-54.25	2.39848G	-31.52	2.4G	-32.92	2.51318G	-51.66	21.55829G	-47.54	1
2.43741G	19.45	-10.55	45.15M	-53.91	2.39952G	-32.97	2.4G	-34.72	2.51798G	-51.91	21.52176G	-46.35	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX CSENdB

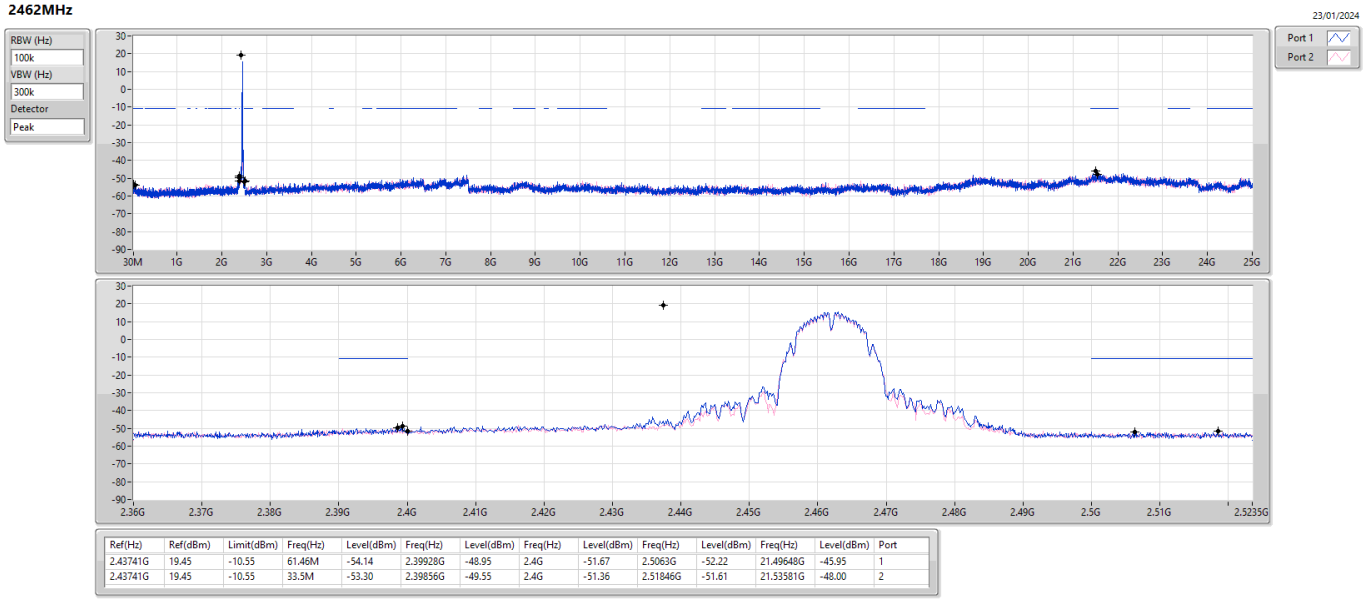
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43741G	19.45	-10.55	1.7344G	-54.26	2.39952G	-37.03	2.4G	-39.14	2.52254G	-51.44	21.56671G	-46.76	1
2.43741G	19.45	-10.55	287.47M	-53.69	2.4G	-43.95	2.4G	-42.98	2.52014G	-51.54	21.56671G	-45.99	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX CSENdB

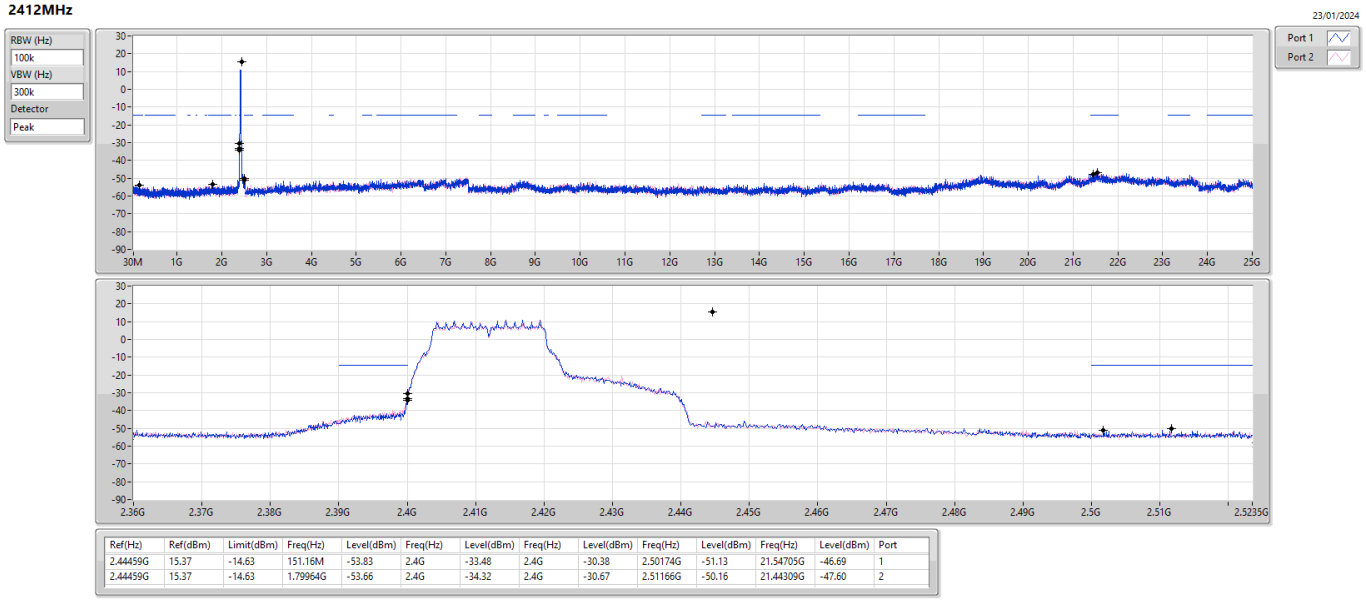
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43741G	19.45	-10.55	61.46M	-54.14	2.39928G	-48.95	2.4G	-51.67	2.5063G	-52.22	21.49648G	-45.95	1
2.43741G	19.45	-10.55	33.5M	-53.30	2.39856G	-49.55	2.4G	-51.36	2.51846G	-51.61	21.53581G	-48.00	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX CSENdB

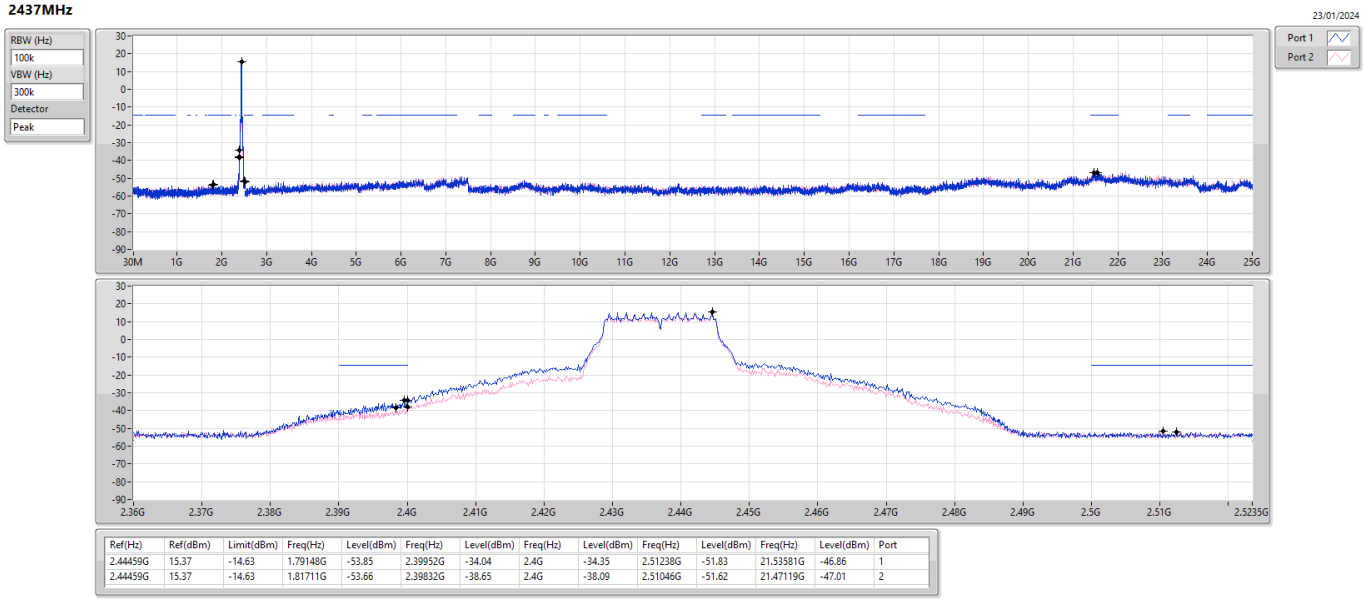
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44459G	15.37	-14.63	151.16M	-53.83	2.4G	-33.48	2.4G	-30.38	2.50174G	-51.13	21.54705G	-46.69	1
2.44459G	15.37	-14.63	1.79964G	-53.66	2.4G	-34.32	2.4G	-30.67	2.51166G	-50.16	21.44309G	-47.60	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX CSENdB

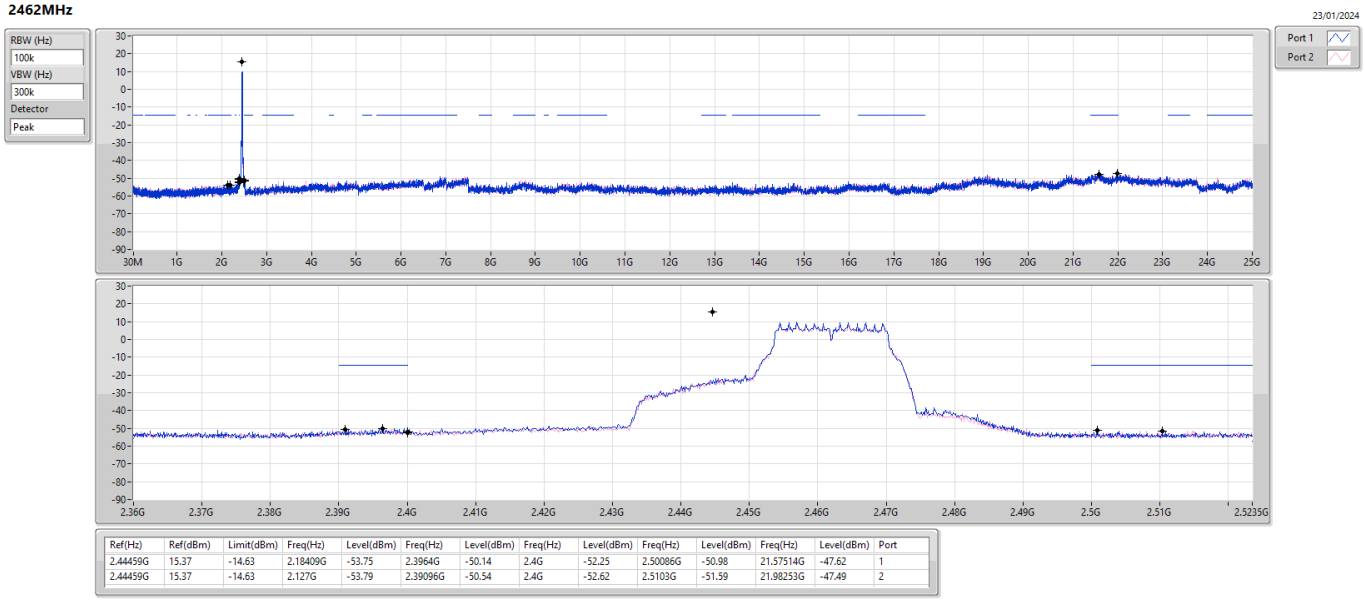
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44459G	15.37	-14.63	1.79148G	-53.85	2.39952G	-34.04	2.4G	-34.35	2.51238G	-51.83	21.53581G	-46.86	1
2.44459G	15.37	-14.63	1.81711G	-53.66	2.39832G	-38.65	2.4G	-38.09	2.51046G	-51.62	21.47119G	-47.01	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX CSENdB

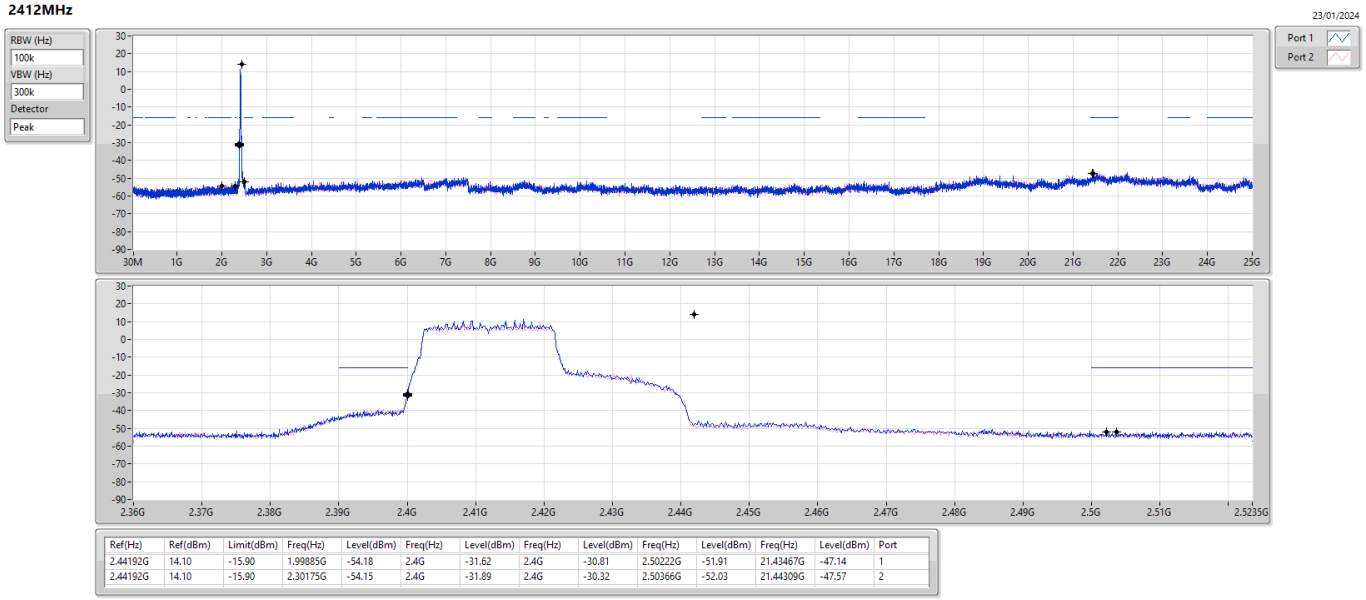
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44459G	15.37	-14.63	2.18409G	-53.75	2.3964G	-50.14	2.4G	-52.25	2.50086G	-50.98	21.57514G	-47.62	1
2.44459G	15.37	-14.63	2.127G	-53.79	2.39096G	-50.54	2.4G	-52.62	2.5103G	-51.59	21.98253G	-47.49	2

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX CSENdB

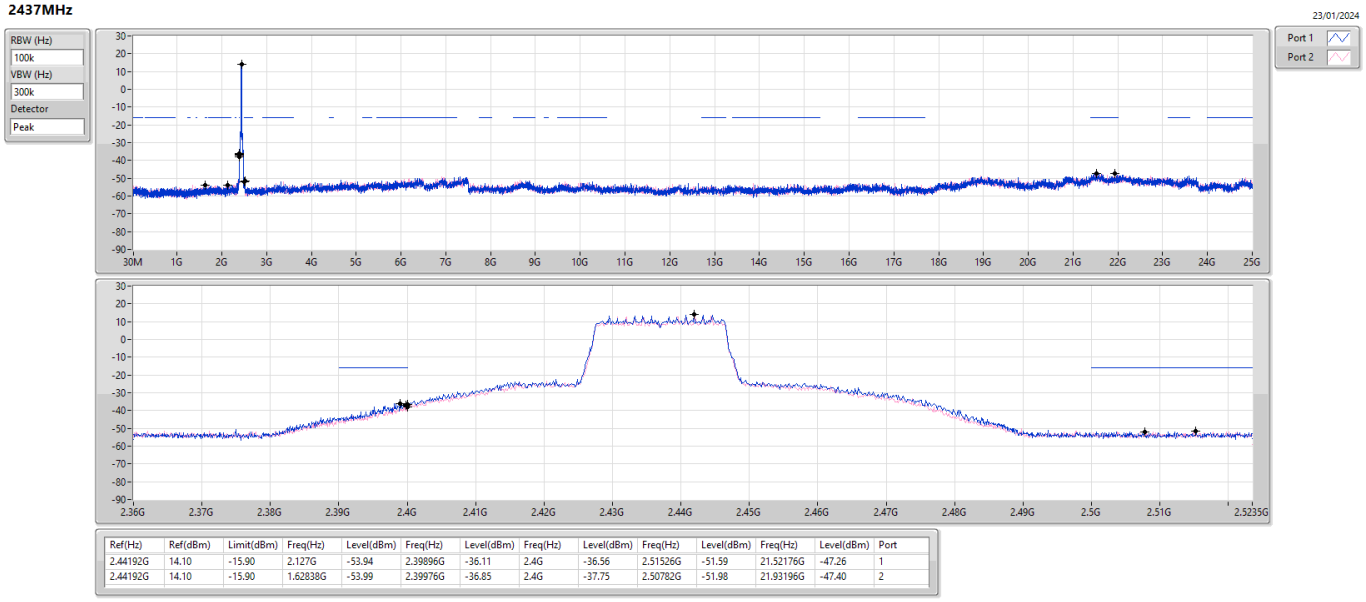
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44192G	14.10	-15.90	1.99885G	-54.18	2.4G	-31.62	2.4G	-30.81	2.50222G	-51.91	21.43467G	-47.14	1
2.44192G	14.10	-15.90	2.30175G	-54.15	2.4G	-31.89	2.4G	-30.32	2.50366G	-52.03	21.44309G	-47.57	2

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX CSENdB

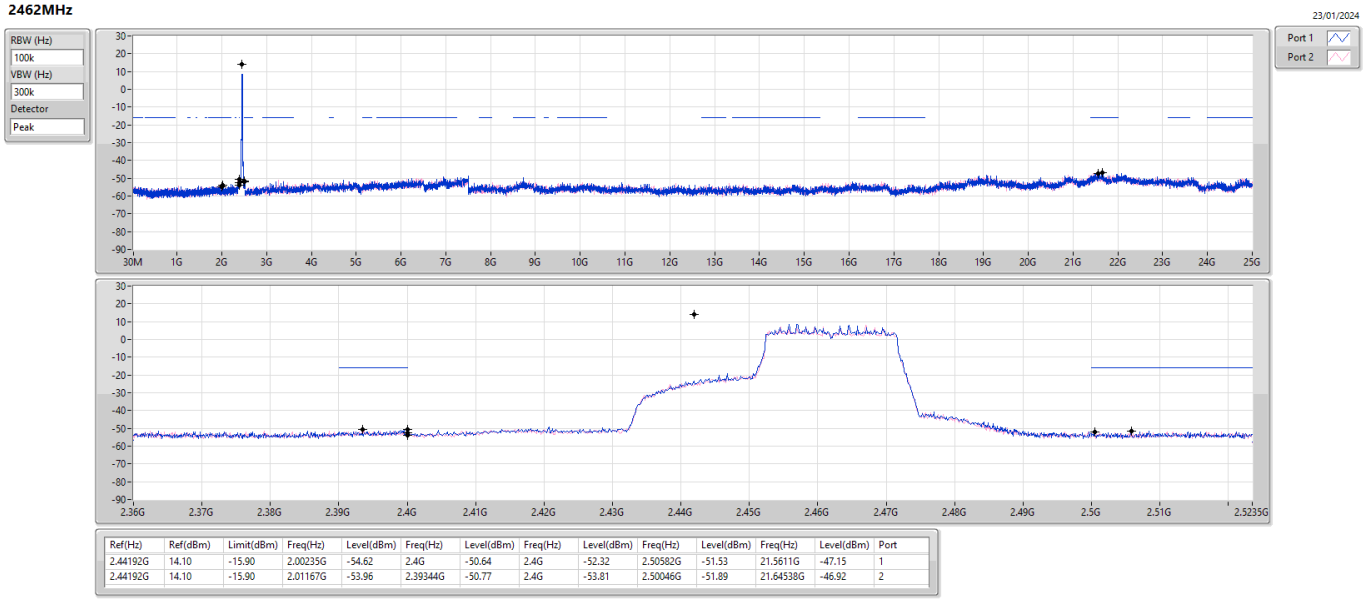
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44192G	14.10	-15.90	2.127G	-53.94	2.39896G	-36.11	2.4G	-36.56	2.51526G	-51.59	21.52176G	-47.26	1
2.44192G	14.10	-15.90	1.62838G	-53.99	2.39976G	-36.85	2.4G	-37.75	2.50782G	-51.98	21.93196G	-47.40	2

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX CSENdB

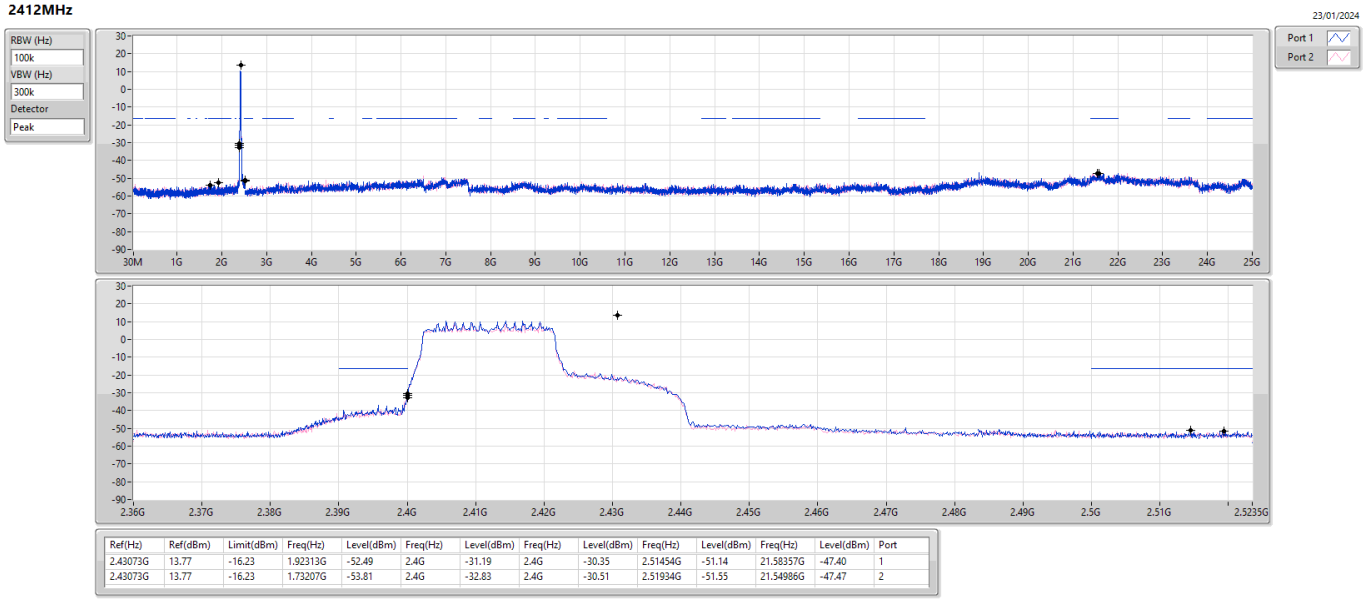
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44192G	14.10	-15.90	2.00235G	-54.62	2.4G	-50.64	2.4G	-52.32	2.50582G	-51.53	21.5611G	-47.15	1
2.44192G	14.10	-15.90	2.01167G	-53.96	2.39344G	-50.77	2.4G	-53.81	2.50046G	-51.89	21.64538G	-46.92	2

2.4-2.4835GHz_802.11be EHT20_Nss2,(MCS0)_2TX CSENdB

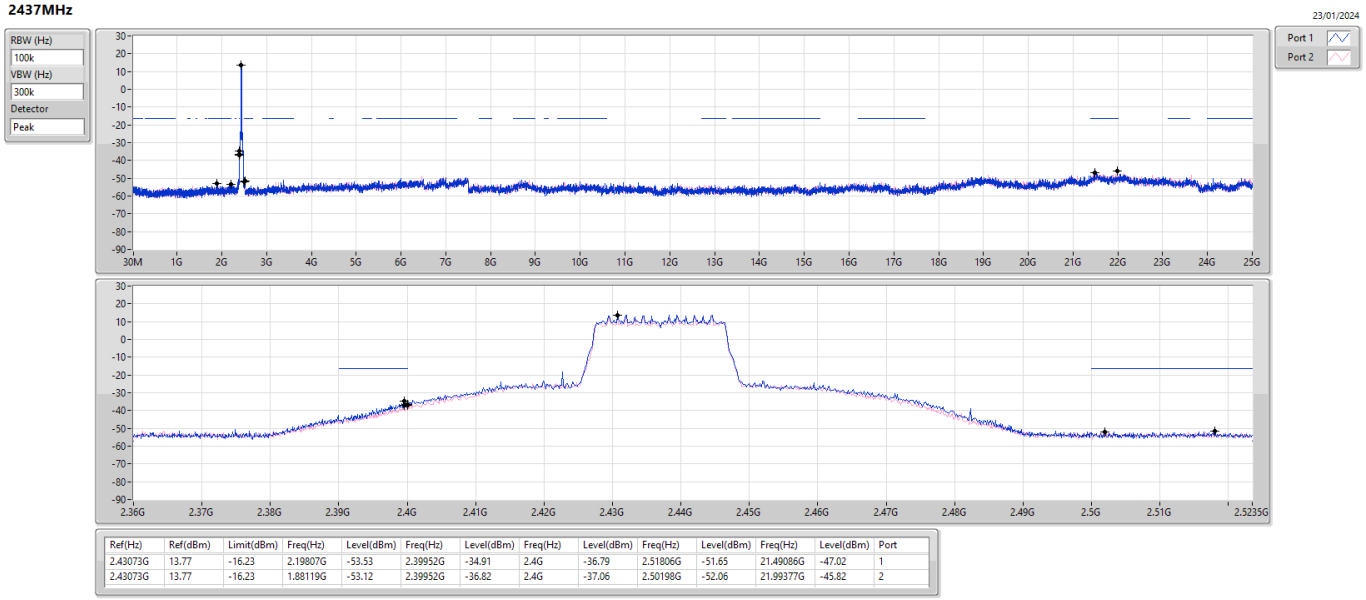
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43073G	13.77	-16.23	1.92313G	-52.49	2.4G	-31.19	2.4G	-30.35	2.51454G	-51.14	21.58357G	-47.40	1
2.43073G	13.77	-16.23	1.73207G	-53.81	2.4G	-32.83	2.4G	-30.51	2.51934G	-51.55	21.54986G	-47.47	2

2.4-2.4835GHz_802.11be EHT20_Nss2,(MCS0)_2TX CSENdB

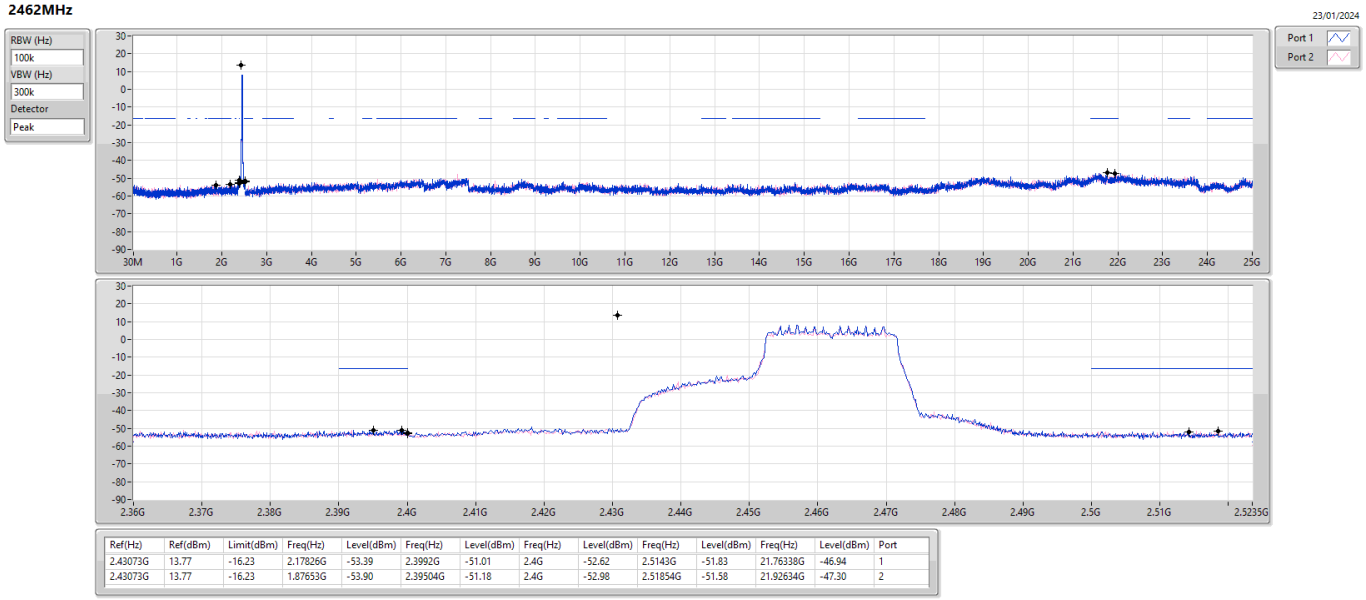
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43073G	13.77	-16.23	2.19807G	-53.53	2.39952G	-34.91	2.4G	-36.79	2.51806G	-51.65	21.49086G	-47.02	1
2.43073G	13.77	-16.23	1.88119G	-53.12	2.39952G	-36.82	2.4G	-37.06	2.50198G	-52.06	21.99377G	-45.82	2

2.4-2.4835GHz_802.11be EHT20_Nss2,(MCS0)_2TX CSENdB

2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43073G	13.77	-16.23	2.17826G	-53.39	2.3992G	-51.01	2.4G	-52.62	2.5143G	-51.83	21.76338G	-46.94	1
2.43073G	13.77	-16.23	1.87653G	-53.90	2.39504G	-51.18	2.4G	-52.98	2.51854G	-51.58	21.92634G	-47.30	2

Summary

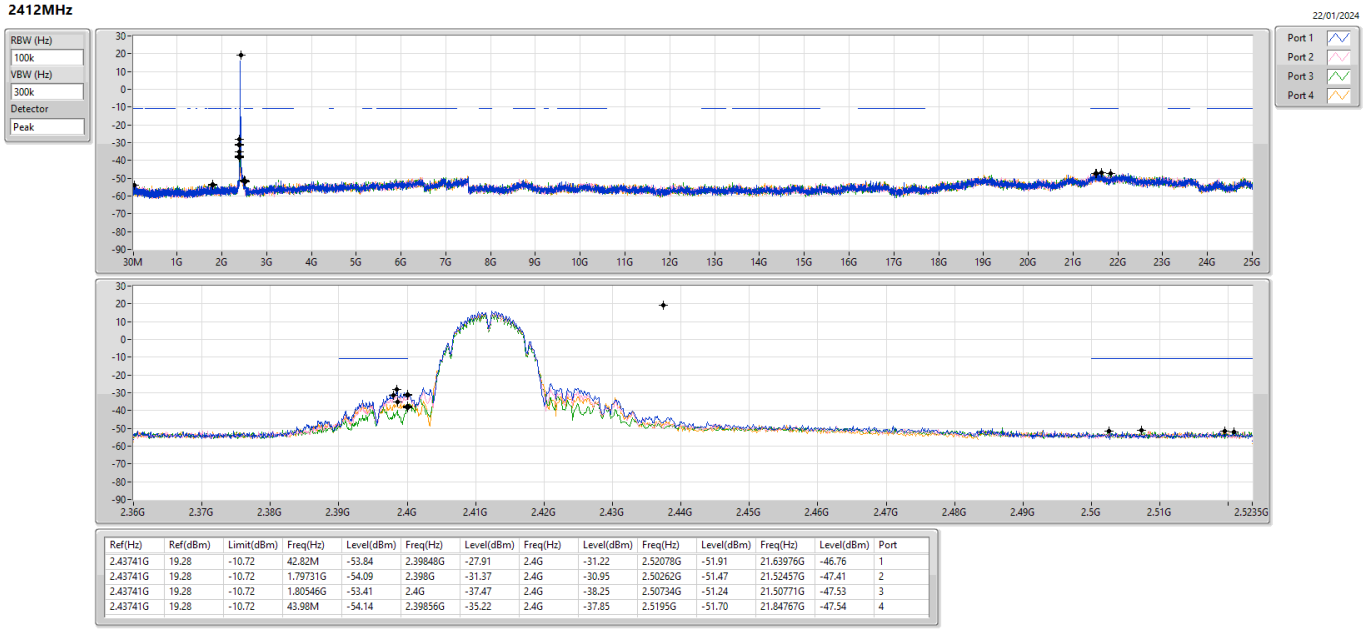
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_4TX	Pass	2.43741G	19.28	-10.72	42.82M	-53.84	2.39848G	-27.91	2.4G	-31.22	2.52078G	-51.91	21.63976G	-46.76	1
802.11g_Nss1,(6Mbps)_4TX	Pass	2.43073G	13.53	-16.47	46.31M	-53.79	2.4G	-34.57	2.4G	-30.06	2.51702G	-51.83	21.55267G	-46.72	2
802.11be EHT20_Nss1,(MCS0)_4TX	Pass	2.44442G	13.26	-16.74	2.04196G	-53.73	2.4G	-35.37	2.4G	-33.10	2.51006G	-51.01	21.56952G	-46.24	1
802.11be EHT20_Nss4,(MCS0)_4TX	Pass	2.43073G	13.40	-16.60	2.15263G	-52.84	2.39984G	-35.11	2.4G	-32.60	2.50326G	-50.51	21.46276G	-47.02	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43741G	19.28	-10.72	42.82M	-53.84	2.39848G	-27.91	2.4G	-31.22	2.52078G	-51.91	21.63976G	-46.76	1
2412MHz	Pass	2.43741G	19.28	-10.72	1.79731G	-54.09	2.398G	-31.37	2.4G	-30.95	2.50262G	-51.47	21.52457G	-47.41	2
2412MHz	Pass	2.43741G	19.28	-10.72	1.80546G	-53.41	2.4G	-37.47	2.4G	-38.25	2.50734G	-51.24	21.50771G	-47.53	3
2412MHz	Pass	2.43741G	19.28	-10.72	43.98M	-54.14	2.39856G	-35.22	2.4G	-37.85	2.5195G	-51.70	21.84767G	-47.54	4
2437MHz	Pass	2.43741G	19.28	-10.72	1.74605G	-53.35	2.39952G	-33.20	2.4G	-37.59	2.5183G	-50.41	21.53581G	-47.54	1
2437MHz	Pass	2.43741G	19.28	-10.72	1.72391G	-53.81	2.4G	-44.07	2.4G	-43.59	2.50998G	-51.77	21.49648G	-48.15	2
2437MHz	Pass	2.43741G	19.28	-10.72	2.02448G	-54.09	2.4G	-38.87	2.4G	-42.61	2.51734G	-51.24	21.769G	-47.11	3
2437MHz	Pass	2.43741G	19.28	-10.72	2.19923G	-54.08	2.39952G	-32.47	2.4G	-37.42	2.51702G	-51.98	21.47681G	-46.71	4
2462MHz	Pass	2.43741G	19.28	-10.72	1.85556G	-54.26	2.39864G	-49.49	2.4G	-51.36	2.50862G	-51.91	21.67629G	-47.38	1
2462MHz	Pass	2.43741G	19.28	-10.72	41.65M	-53.43	2.39808G	-49.80	2.4G	-49.87	2.51822G	-52.04	21.48805G	-46.43	2
2462MHz	Pass	2.43741G	19.28	-10.72	1.63421G	-53.95	2.39304G	-49.56	2.4G	-52.62	2.51142G	-51.31	21.50771G	-45.44	3
2462MHz	Pass	2.43741G	19.28	-10.72	2.1072G	-53.76	2.39872G	-50.15	2.4G	-52.55	2.50982G	-50.55	21.59762G	-46.55	4
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43073G	13.53	-16.47	2.10021G	-53.36	2.39992G	-34.12	2.4G	-30.45	2.52294G	-51.41	21.58076G	-47.27	1
2412MHz	Pass	2.43073G	13.53	-16.47	46.31M	-53.79	2.4G	-34.57	2.4G	-30.06	2.51702G	-51.83	21.55267G	-46.72	2
2412MHz	Pass	2.43073G	13.53	-16.47	1.91148G	-53.56	2.4G	-37.55	2.4G	-34.12	2.50166G	-51.27	21.44871G	-47.00	3
2412MHz	Pass	2.43073G	13.53	-16.47	1.85439G	-53.38	2.39992G	-37.35	2.4G	-31.77	2.51838G	-51.35	21.47119G	-47.10	4
2437MHz	Pass	2.43073G	13.53	-16.47	1.8707G	-54.10	2.39984G	-41.07	2.4G	-41.63	2.50822G	-51.44	21.53581G	-46.44	1
2437MHz	Pass	2.43073G	13.53	-16.47	2.14331G	-53.57	2.39976G	-39.70	2.4G	-40.95	2.52014G	-50.96	21.58076G	-47.64	2
2437MHz	Pass	2.43073G	13.53	-16.47	2.12351G	-53.14	2.3992G	-42.39	2.4G	-40.70	2.51758G	-51.16	21.5611G	-45.81	3
2437MHz	Pass	2.43073G	13.53	-16.47	2.30525G	-53.64	2.39952G	-42.49	2.4G	-43.27	2.51054G	-50.85	21.52738G	-48.00	4
2462MHz	Pass	2.43073G	13.53	-16.47	2.07574G	-53.63	2.39592G	-49.53	2.4G	-52.66	2.50902G	-50.75	21.69034G	-46.49	1
2462MHz	Pass	2.43073G	13.53	-16.47	1.98021G	-53.42	2.39968G	-49.05	2.4G	-53.18	2.50582G	-50.76	21.58919G	-47.44	2
2462MHz	Pass	2.43073G	13.53	-16.47	2.30175G	-53.74	2.39448G	-49.44	2.4G	-51.73	2.52286G	-50.14	21.79429G	-47.90	3
2462MHz	Pass	2.43073G	13.53	-16.47	2.15846G	-54.14	2.3996G	-49.88	2.4G	-53.43	2.50894G	-50.51	21.72967G	-47.27	4
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44442G	13.26	-16.74	2.04196G	-53.73	2.4G	-35.37	2.4G	-33.10	2.51006G	-51.01	21.56952G	-46.24	1
2412MHz	Pass	2.44442G	13.26	-16.74	2.17826G	-53.22	2.4G	-34.44	2.4G	-33.99	2.51798G	-51.16	21.533G	-47.30	2
2412MHz	Pass	2.44442G	13.26	-16.74	2.18409G	-53.59	2.4G	-35.81	2.4G	-35.84	2.50102G	-51.05	21.49086G	-46.70	3
2412MHz	Pass	2.44442G	13.26	-16.74	2.15147G	-52.74	2.4G	-36.78	2.4G	-34.12	2.51942G	-51.39	21.61167G	-47.55	4
2437MHz	Pass	2.44442G	13.26	-16.74	1.99769G	-53.78	2.4G	-37.04	2.4G	-39.25	2.51366G	-51.28	21.50209G	-47.25	1
2437MHz	Pass	2.44442G	13.26	-16.74	1.6412G	-53.80	2.39976G	-38.24	2.4G	-40.61	2.51886G	-51.30	21.54986G	-47.60	2
2437MHz	Pass	2.44442G	13.26	-16.74	2.08856G	-52.79	2.39976G	-39.27	2.4G	-41.10	2.51062G	-50.16	21.97972G	-47.06	3
2437MHz	Pass	2.44442G	13.26	-16.74	2.11302G	-53.12	2.39976G	-38.61	2.4G	-38.39	2.52286G	-51.04	21.55829G	-46.71	4
2462MHz	Pass	2.44442G	13.26	-16.74	2.06409G	-52.07	2.3948G	-50.59	2.4G	-53.60	2.51174G	-51.23	21.51895G	-46.95	1
2462MHz	Pass	2.44442G	13.26	-16.74	2.11535G	-53.81	2.39896G	-50.94	2.4G	-53.50	2.51966G	-51.00	21.61167G	-47.47	2
2462MHz	Pass	2.44442G	13.26	-16.74	2.07924G	-53.71	2.39416G	-50.47	2.4G	-53.33	2.50518G	-51.25	21.5049G	-47.68	3
2462MHz	Pass	2.44442G	13.26	-16.74	2.19224G	-53.83	2.394G	-51.30	2.4G	-53.12	2.51558G	-51.78	21.58919G	-46.57	4
802.11be EHT20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43073G	13.40	-16.60	2.15263G	-52.84	2.39984G	-35.11	2.4G	-32.60	2.50326G	-50.51	21.46276G	-47.02	1
2412MHz	Pass	2.43073G	13.40	-16.60	1.99303G	-53.69	2.4G	-33.09	2.4G	-34.47	2.5223G	-51.53	21.60324G	-46.76	2
2412MHz	Pass	2.43073G	13.40	-16.60	2.15147G	-54.13	2.4G	-37.68	2.4G	-35.09	2.52102G	-50.98	21.52176G	-46.76	3
2412MHz	Pass	2.43073G	13.40	-16.60	1.99186G	-53.69	2.4G	-37.21	2.4G	-35.84	2.51406G	-51.20	21.53019G	-47.35	4
2437MHz	Pass	2.43073G	13.40	-16.60	2.00118G	-53.26	2.3996G	-35.58	2.4G	-38.08	2.5055G	-50.59	21.89824G	-47.28	1
2437MHz	Pass	2.43073G	13.40	-16.60	49.81M	-53.80	2.39856G	-38.95	2.4G	-40.43	2.5131G	-51.15	21.52176G	-46.95	2
2437MHz	Pass	2.43073G	13.40	-16.60	2.18758G	-53.92	2.39944G	-38.95	2.4G	-40.83	2.51582G	-50.70	21.51333G	-47.31	3
2437MHz	Pass	2.43073G	13.40	-16.60	2.30175G	-53.42	2.3996G	-38.36	2.4G	-38.12	2.51582G	-51.59	21.63695G	-46.80	4
2462MHz	Pass	2.43073G	13.40	-16.60	1.71226G	-53.30	2.39272G	-50.31	2.4G	-52.66	2.51294G	-51.68	21.59762G	-45.93	1
2462MHz	Pass	2.43073G	13.40	-16.60	1.80779G	-53.35	2.39944G	-50.73	2.4G	-55.20	2.5139G	-51.04	21.53581G	-47.32	2
2462MHz	Pass	2.43073G	13.40	-16.60	2.14448G	-53.66	2.39448G	-51.58	2.4G	-55.04	2.52118G	-51.40	21.51614G	-46.33	3
2462MHz	Pass	2.43073G	13.40	-16.60	1.97439G	-53.48	2.39128G	-50.46	2.4G	-54.39	2.5015G	-51.46	21.48243G	-47.13	4

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX CSENdB

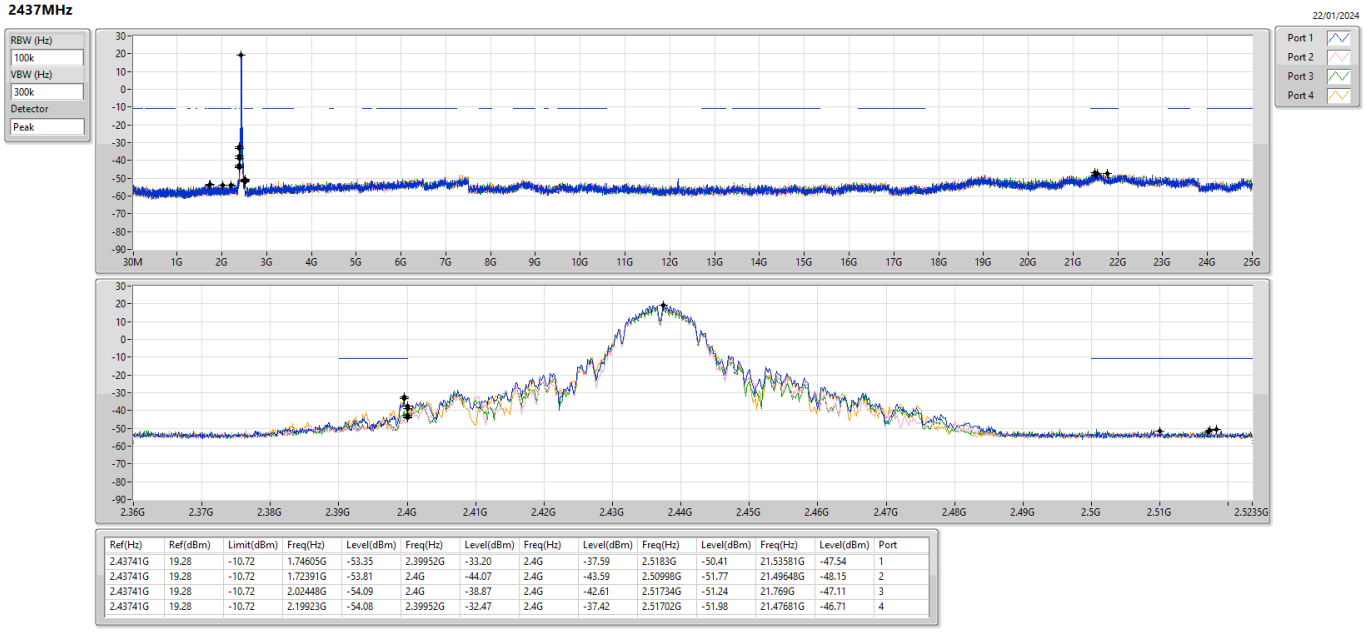
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43741G	19.28	-10.72	42.82M	-53.84	2.39848G	-27.91	2.4G	-31.22	2.52078G	-51.91	21.63976G	-46.76	1
2.43741G	19.28	-10.72	1.79731G	-54.09	2.398G	-31.37	2.4G	-30.95	2.50262G	-51.47	21.52457G	-47.41	2
2.43741G	19.28	-10.72	1.80546G	-53.41	2.4G	-37.47	2.4G	-38.25	2.50734G	-51.24	21.50771G	-47.53	3
2.43741G	19.28	-10.72	43.98M	-54.14	2.39856G	-35.22	2.4G	-37.85	2.5195G	-51.70	21.84767G	-47.54	4

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX CSENdB

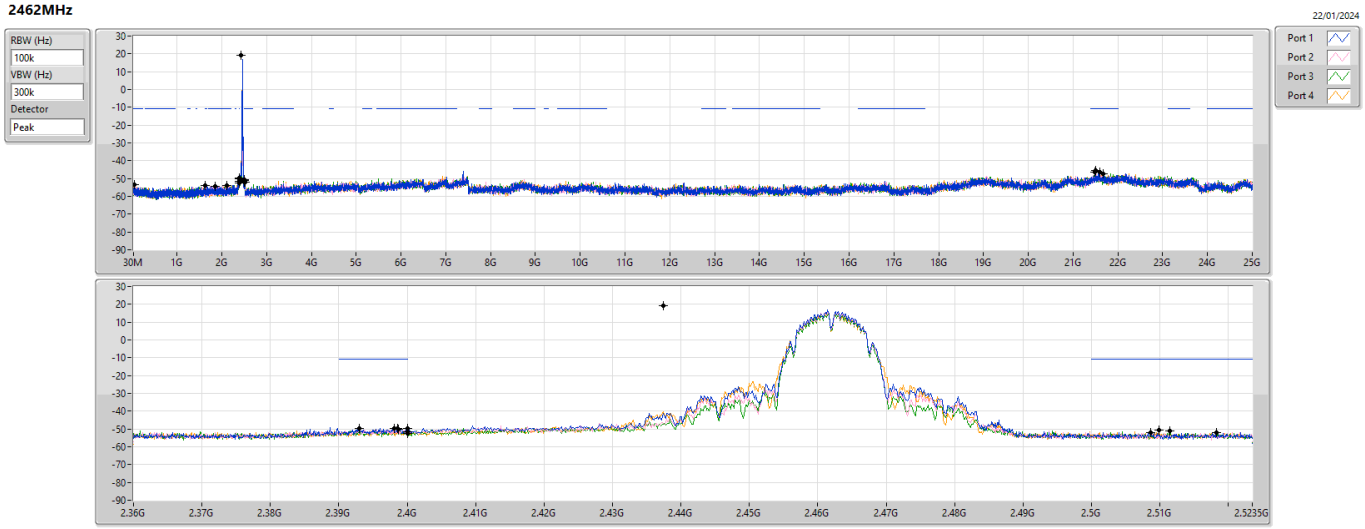
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43741G	19.28	-10.72	1.74605G	-53.35	2.39952G	-33.20	2.4G	-37.59	2.5183G	-50.41	21.53581G	-47.54	1
2.43741G	19.28	-10.72	1.72391G	-53.81	2.4G	-44.07	2.4G	-43.59	2.50998G	-51.77	21.49648G	-48.15	2
2.43741G	19.28	-10.72	2.02448G	-54.09	2.4G	-38.87	2.4G	-42.61	2.51734G	-51.24	21.769G	-47.11	3
2.43741G	19.28	-10.72	2.19923G	-54.08	2.39952G	-32.47	2.4G	-37.42	2.51702G	-51.98	21.47681G	-46.71	4

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX CSENdB

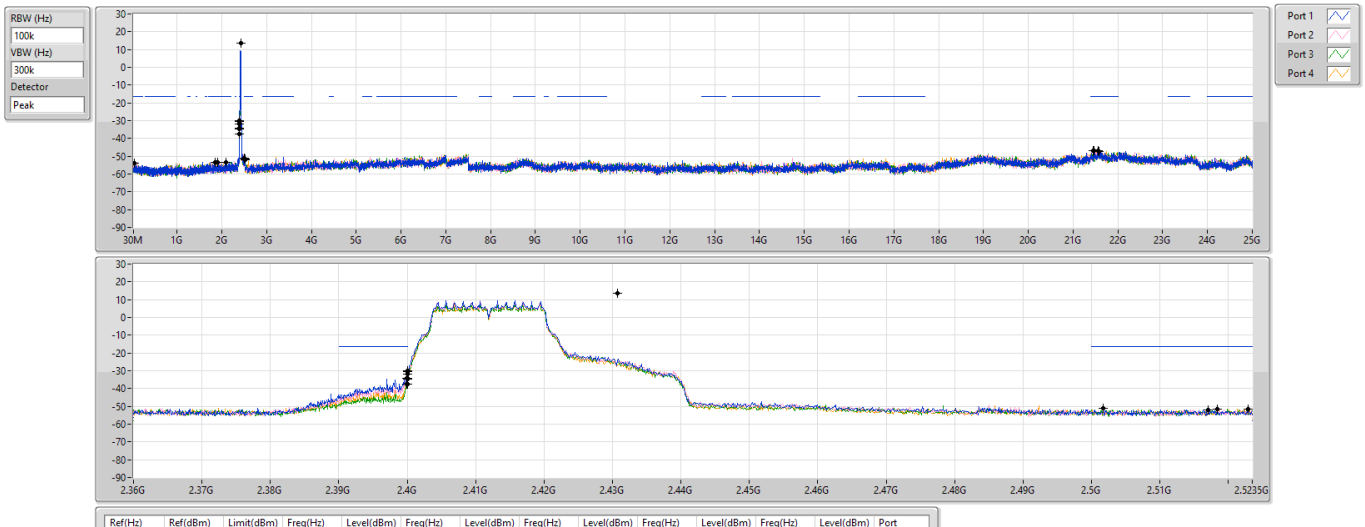
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43741G	19.28	-10.72	1.85556G	-54.26	2.39864G	-49.49	2.4G	-51.36	2.50862G	-51.91	21.67629G	-47.38	1
2.43741G	19.28	-10.72	41.65M	-53.43	2.39808G	-49.80	2.4G	-49.87	2.51822G	-52.04	21.48805G	-46.43	2
2.43741G	19.28	-10.72	1.63421G	-53.95	2.39304G	-49.56	2.4G	-52.62	2.51142G	-51.31	21.50771G	-45.44	3
2.43741G	19.28	-10.72	2.1072G	-53.76	2.39872G	-50.15	2.4G	-52.55	2.50982G	-50.55	21.59762G	-46.55	4

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX CSENdB

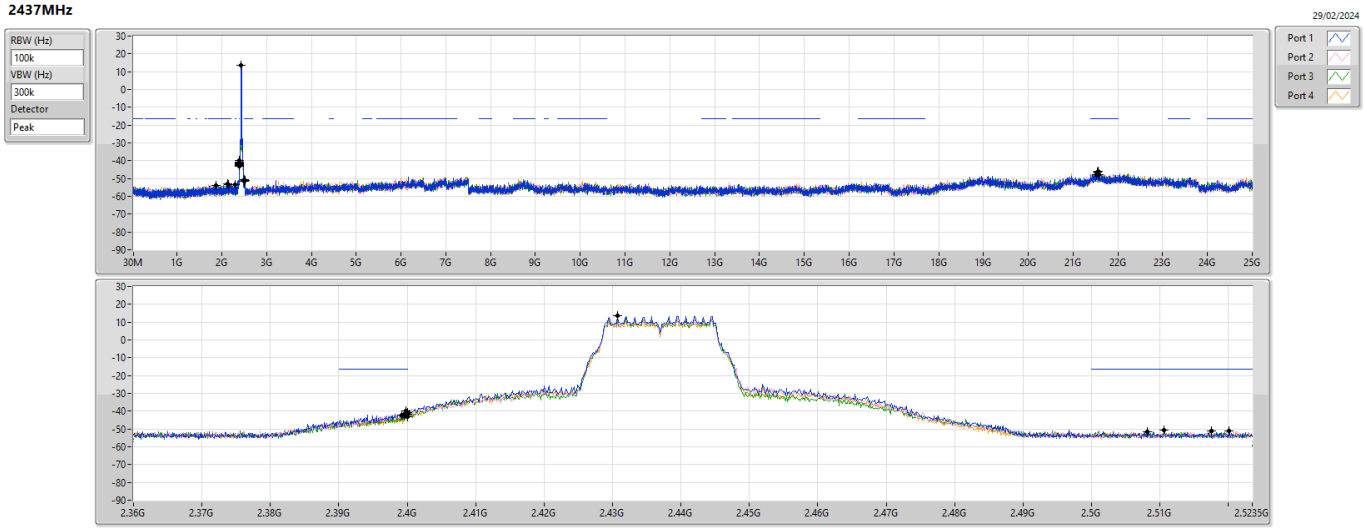
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43073G	13.53	-16.47	2.10021G	-53.36	2.39992G	-34.12	2.4G	-30.45	2.52294G	-51.41	21.58076G	-47.27	1
2.43073G	13.53	-16.47	46.31M	-53.79	2.4G	-34.57	2.4G	-30.06	2.51702G	-51.83	21.55267G	-46.72	2
2.43073G	13.53	-16.47	1.91148G	-53.56	2.4G	-37.55	2.4G	-34.12	2.50166G	-51.27	21.44871G	-47.00	3
2.43073G	13.53	-16.47	1.85439G	-53.38	2.39992G	-37.35	2.4G	-31.77	2.51838G	-51.35	21.47119G	-47.10	4

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX CSENdB

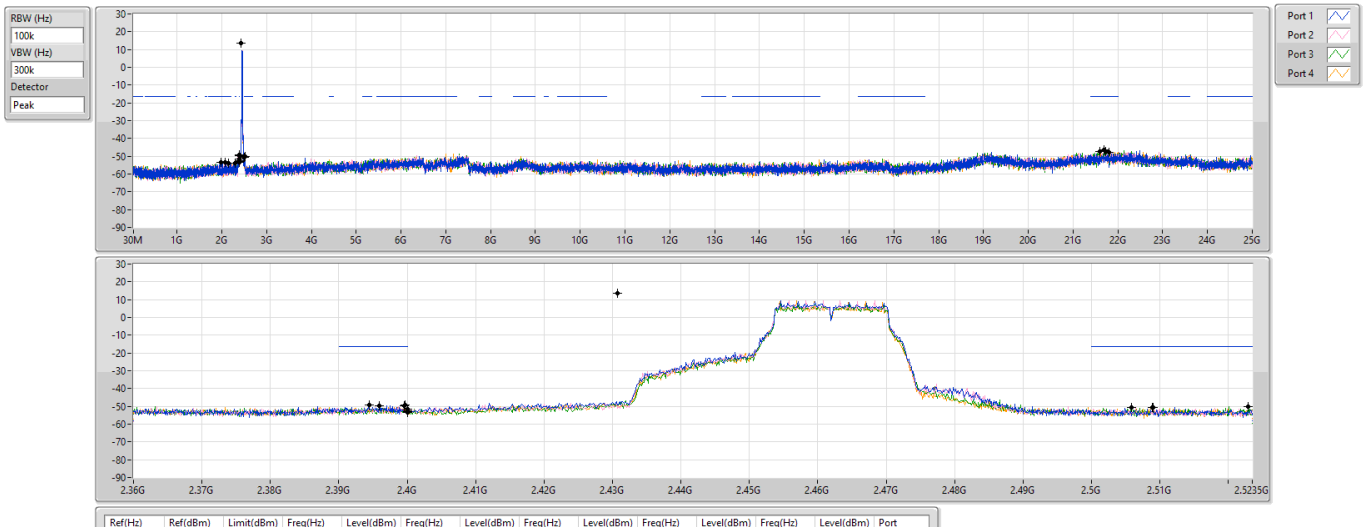
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43073G	13.53	-16.47	1.8707G	-54.10	2.39984G	-41.07	2.4G	-41.63	2.50822G	-51.44	21.53581G	-46.44	1
2.43073G	13.53	-16.47	2.14331G	-53.57	2.39976G	-39.70	2.4G	-40.95	2.52014G	-50.96	21.58076G	-47.64	2
2.43073G	13.53	-16.47	2.12351G	-53.14	2.3992G	-42.39	2.4G	-40.70	2.51758G	-51.16	21.5611G	-45.81	3
2.43073G	13.53	-16.47	2.30525G	-53.64	2.39952G	-42.49	2.4G	-43.27	2.51054G	-50.85	21.52738G	-48.00	4

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX CSENdB

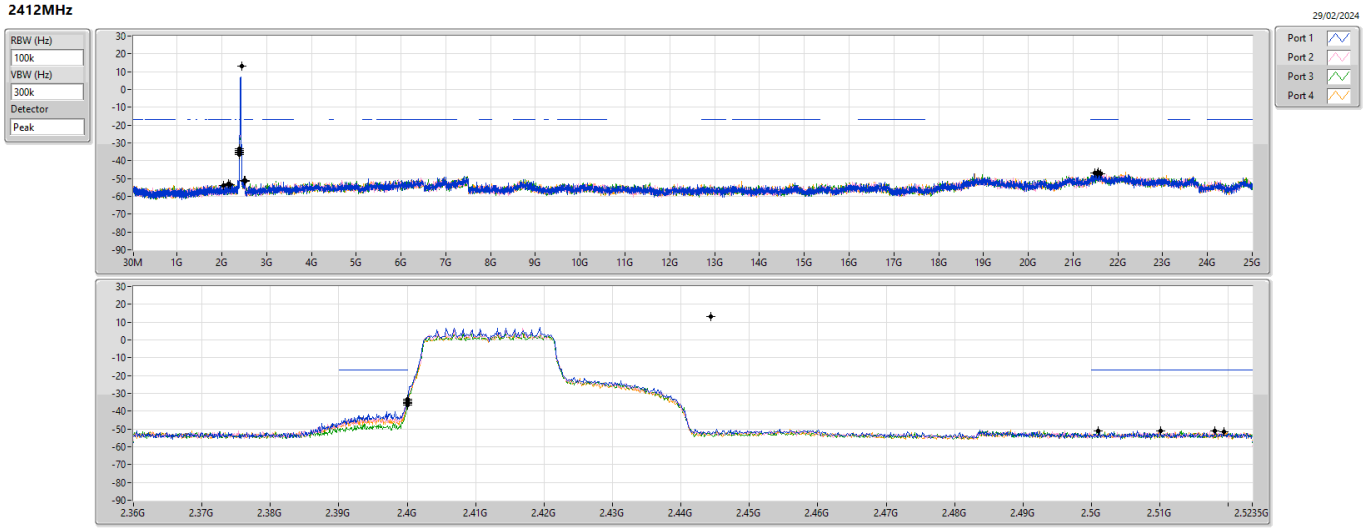
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43073G	13.53	-16.47	2.07574G	-53.63	2.39592G	-49.53	2.4G	-52.66	2.50902G	-50.75	21.69034G	-46.49	1
2.43073G	13.53	-16.47	1.98021G	-53.42	2.39968G	-49.05	2.4G	-53.18	2.50582G	-50.76	21.58919G	-47.44	2
2.43073G	13.53	-16.47	2.30175G	-53.74	2.39448G	-49.44	2.4G	-51.73	2.52286G	-50.14	21.79429G	-47.90	3
2.43073G	13.53	-16.47	2.15846G	-54.14	2.3996G	-49.88	2.4G	-53.43	2.50894G	-50.51	21.72967G	-47.27	4

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_4TX CSENdB

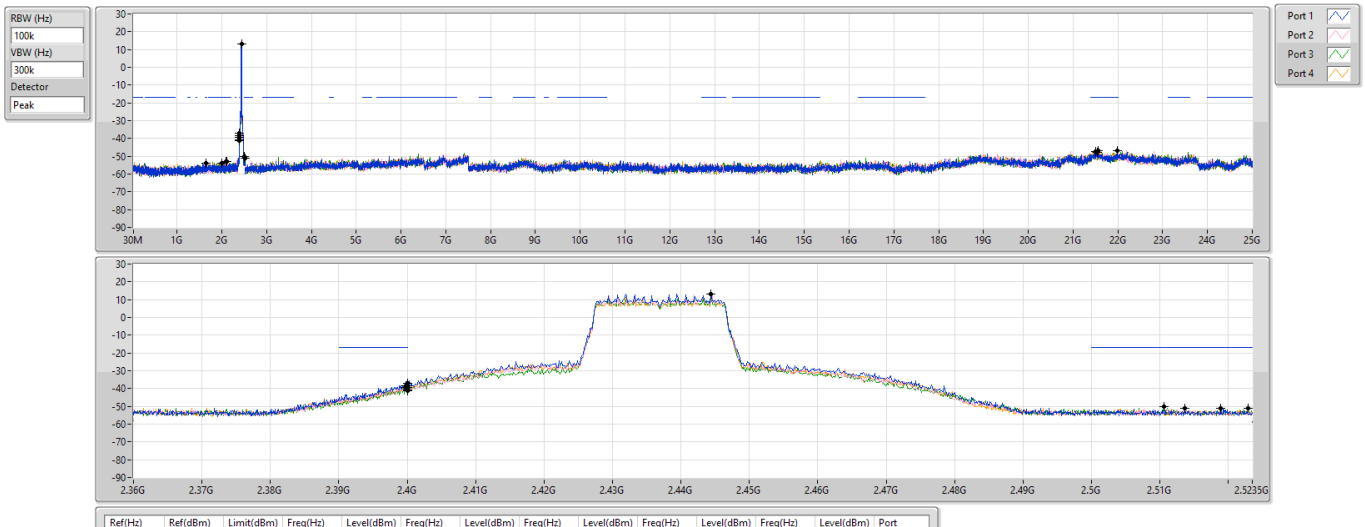
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44442G	13.26	-16.74	2.04196G	-53.73	2.4G	-35.37	2.4G	-33.10	2.51006G	-51.01	21.56952G	-46.24	1
2.44442G	13.26	-16.74	2.17826G	-53.22	2.4G	-34.44	2.4G	-33.99	2.51798G	-51.16	21.533G	-47.30	2
2.44442G	13.26	-16.74	2.18409G	-53.59	2.4G	-35.81	2.4G	-35.84	2.50102G	-51.05	21.49086G	-46.70	3
2.44442G	13.26	-16.74	2.15147G	-52.74	2.4G	-36.78	2.4G	-34.12	2.51942G	-51.39	21.61167G	-47.55	4

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_4TX CSENdB

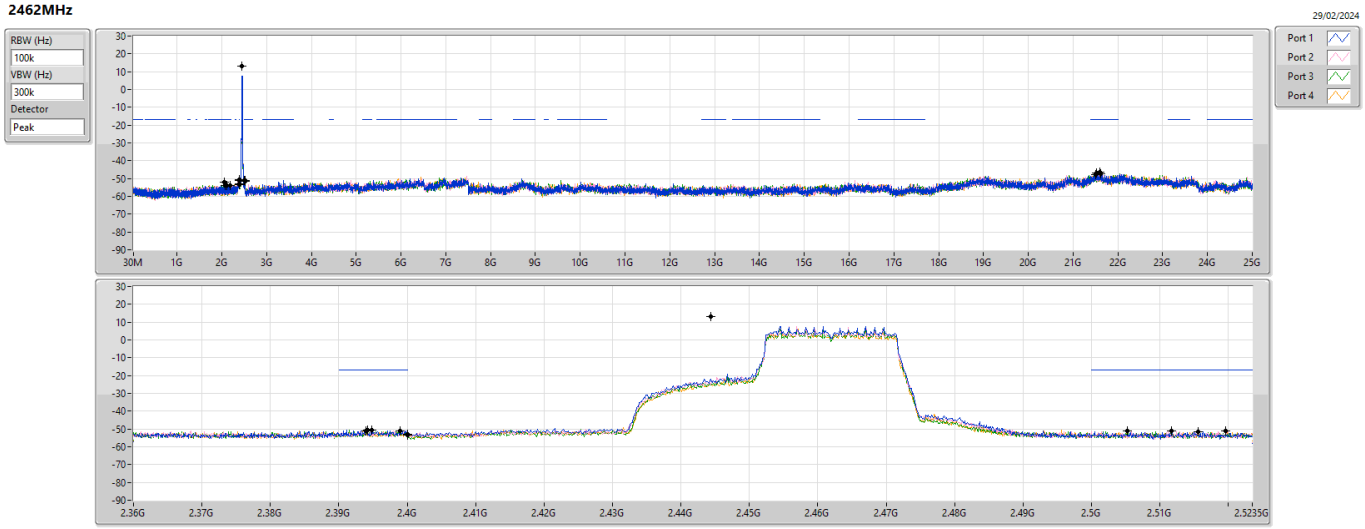
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44442G	13.26	-16.74	1.99769G	-53.78	2.4G	-37.04	2.4G	-39.25	2.51366G	-51.28	21.50209G	-47.25	1
2.44442G	13.26	-16.74	1.6412G	-53.80	2.39976G	-38.24	2.4G	-40.61	2.51886G	-51.30	21.54986G	-47.60	2
2.44442G	13.26	-16.74	2.08856G	-52.79	2.39976G	-39.27	2.4G	-41.10	2.51062G	-50.16	21.97972G	-47.06	3
2.44442G	13.26	-16.74	2.11302G	-53.12	2.39976G	-38.61	2.4G	-38.39	2.52286G	-51.04	21.55829G	-46.71	4

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_4TX CSENdB

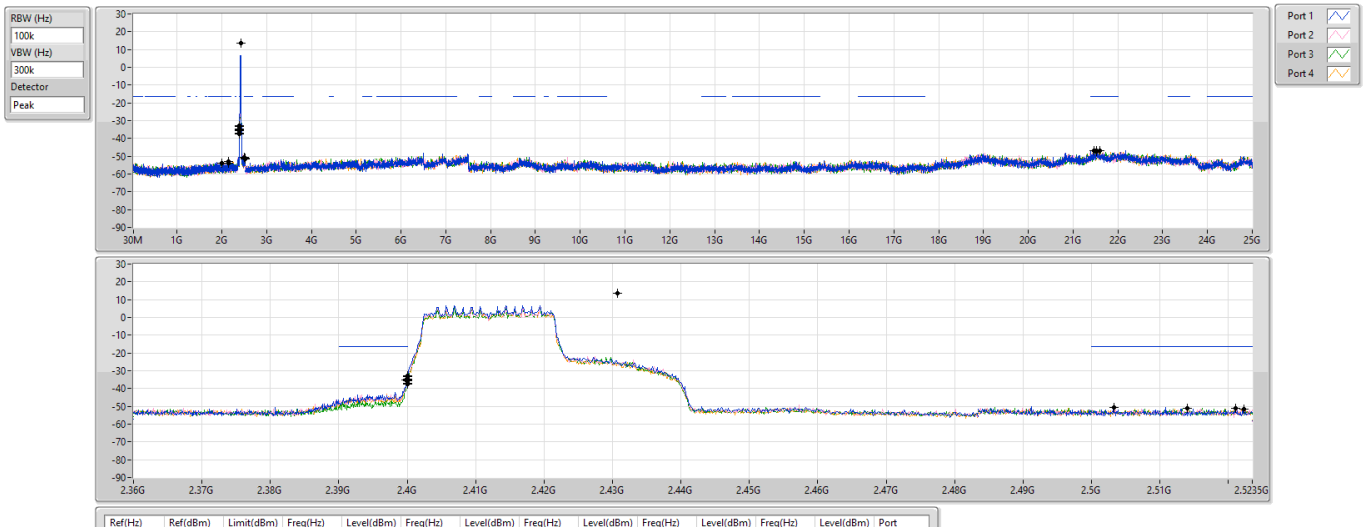
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44442G	13.26	-16.74	2.06409G	-52.07	2.3948G	-50.59	2.4G	-53.60	2.51174G	-51.23	21.51895G	-46.95	1
2.44442G	13.26	-16.74	2.11535G	-53.81	2.39896G	-50.94	2.4G	-53.50	2.51966G	-51.00	21.61167G	-47.47	2
2.44442G	13.26	-16.74	2.07924G	-53.71	2.39416G	-50.47	2.4G	-53.33	2.50518G	-51.25	21.5049G	-47.68	3
2.44442G	13.26	-16.74	2.19224G	-53.83	2.394G	-51.30	2.4G	-53.12	2.51558G	-51.78	21.58919G	-46.57	4

2.4-2.4835GHz_802.11be EHT20_Nss4,(MCS0)_4TX CSENdB

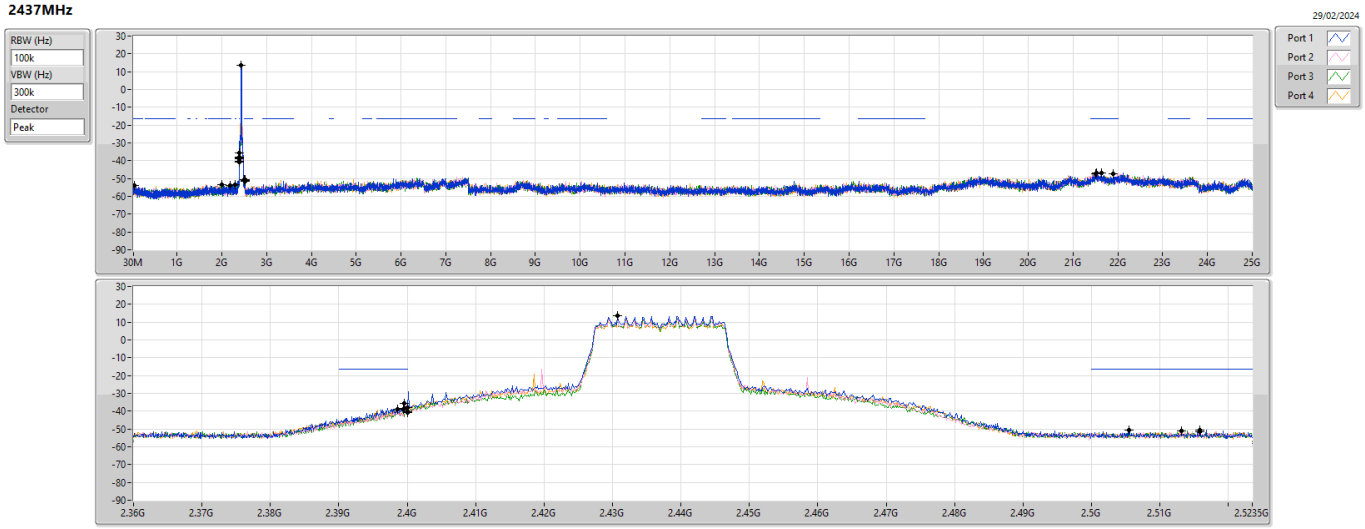
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43073G	13.40	-16.60	2.15263G	-52.84	2.39984G	-35.11	2.4G	-32.60	2.50326G	-50.51	21.46276G	-47.02	1
2.43073G	13.40	-16.60	1.99303G	-53.69	2.4G	-33.09	2.4G	-34.47	2.5223G	-51.53	21.60324G	-46.76	2
2.43073G	13.40	-16.60	2.15147G	-54.13	2.4G	-37.68	2.4G	-35.09	2.52102G	-50.98	21.52176G	-46.76	3
2.43073G	13.40	-16.60	1.99186G	-53.69	2.4G	-37.21	2.4G	-35.84	2.51406G	-51.20	21.53019G	-47.35	4

2.4-2.4835GHz_802.11be EHT20_Nss4,(MCS0)_4TX CSENdB

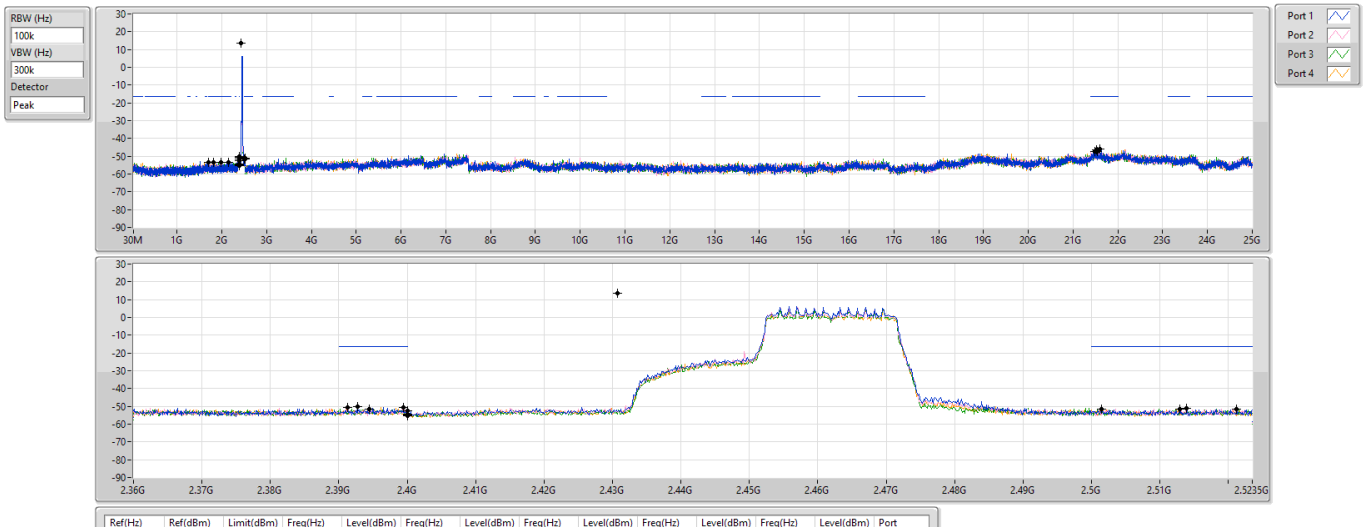
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43073G	13.40	-16.60	2.00118G	-53.26	2.3996G	-35.58	2.4G	-38.08	2.5055G	-50.59	21.89824G	-47.28	1
2.43073G	13.40	-16.60	49.81M	-53.80	2.39856G	-38.95	2.4G	-40.43	2.5131G	-51.15	21.52176G	-46.95	2
2.43073G	13.40	-16.60	2.18758G	-53.92	2.39944G	-38.95	2.4G	-40.83	2.51582G	-50.70	21.51333G	-47.31	3
2.43073G	13.40	-16.60	2.30175G	-53.42	2.3996G	-38.36	2.4G	-38.12	2.51582G	-51.59	21.63695G	-46.80	4

2.4-2.4835GHz_802.11be EHT20_Nss4,(MCS0)_4TX CSENdB

2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43073G	13.40	-16.60	1.71226G	-53.30	2.39272G	-50.31	2.4G	-52.66	2.51294G	-51.68	21.59762G	-45.93	1
2.43073G	13.40	-16.60	1.80779G	-53.35	2.39944G	-50.73	2.4G	-55.20	2.5139G	-51.04	21.53581G	-47.32	2
2.43073G	13.40	-16.60	2.14448G	-53.66	2.39448G	-51.58	2.4G	-55.04	2.52118G	-51.40	21.51614G	-46.33	3
2.43073G	13.40	-16.60	1.97439G	-53.48	2.39128G	-50.46	2.4G	-54.39	2.5015G	-51.46	21.48243G	-47.13	4

Summary

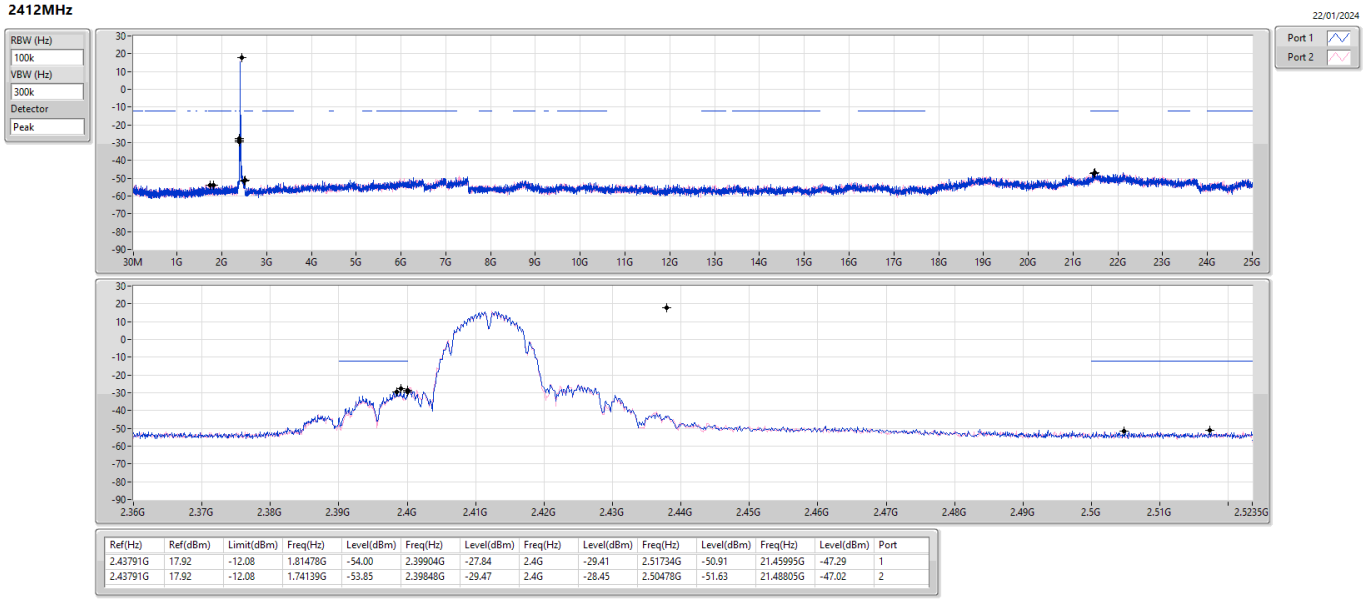
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43791G	17.92	-12.08	1.81478G	-54.00	2.39904G	-27.84	2.4G	-29.41	2.51734G	-50.91	21.45995G	-47.29	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43073G	12.85	-17.15	1.93827G	-52.20	2.39992G	-25.44	2.4G	-24.27	2.5035G	-51.05	24.74995G	-44.22	1
802.11be EHT20_Nss1,(MCS0)_2TX	Pass	2.43073G	13.03	-16.97	49.81M	-38.30	2.39984G	-29.71	2.4G	-31.33	2.5063G	-50.92	14.91929G	-44.71	2
802.11be EHT20_Nss2,(MCS0)_2TX	Pass	2.4319G	12.19	-17.81	343.39M	-51.43	2.4G	-34.98	2.4G	-31.11	2.51894G	-51.04	23.17659G	-43.97	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43791G	17.92	-12.08	1.81478G	-54.00	2.39904G	-27.84	2.4G	-29.41	2.51734G	-50.91	21.45995G	-47.29	1
2412MHz	Pass	2.43791G	17.92	-12.08	1.74139G	-53.85	2.39848G	-29.47	2.4G	-28.45	2.50478G	-51.63	21.48805G	-47.02	2
2437MHz	Pass	2.43791G	17.92	-12.08	1.94759G	-53.05	2.39656G	-32.85	2.4G	-36.76	2.51598G	-51.53	21.56952G	-48.09	1
2437MHz	Pass	2.43791G	17.92	-12.08	2.16428G	-54.03	2.39656G	-32.35	2.4G	-40.21	2.50534G	-51.90	21.57795G	-46.47	2
2462MHz	Pass	2.43791G	17.92	-12.08	2.02332G	-54.00	2.39792G	-49.05	2.4G	-51.05	2.50758G	-51.42	21.61167G	-47.95	1
2462MHz	Pass	2.43791G	17.92	-12.08	1.85556G	-54.30	2.39864G	-49.74	2.4G	-52.94	2.5031G	-51.63	21.48243G	-46.43	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43073G	12.85	-17.15	1.93827G	-52.20	2.39992G	-25.44	2.4G	-24.27	2.5035G	-51.05	24.74995G	-44.22	1
2412MHz	Pass	2.43073G	12.85	-17.15	2.08972G	-51.11	2.39808G	-28.40	2.4G	-27.04	2.5091G	-51.25	24.32571G	-44.56	2
2437MHz	Pass	2.43073G	12.85	-17.15	1.97788G	-51.28	2.3988G	-39.18	2.4G	-37.51	2.50606G	-51.02	6.7238G	-45.15	1
2437MHz	Pass	2.43073G	12.85	-17.15	908.41M	-52.24	2.4G	-31.56	2.4G	-32.04	2.50478G	-50.17	16.53198G	-44.47	2
2462MHz	Pass	2.43073G	12.85	-17.15	860.65M	-51.70	2.3972G	-48.00	2.4G	-52.39	2.5031G	-50.28	16.4505G	-45.43	1
2462MHz	Pass	2.43073G	12.85	-17.15	955.01M	-51.24	2.39648G	-50.14	2.4G	-52.44	2.50542G	-50.96	24.95786G	-44.25	2
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43073G	13.03	-16.97	49.81M	-38.70	2.4G	-33.89	2.4G	-32.14	2.5099G	-50.30	16.48984G	-44.28	1
2412MHz	Pass	2.43073G	13.03	-16.97	49.81M	-38.46	2.4G	-35.00	2.4G	-32.33	2.5119G	-50.75	16.21731G	-44.16	2
2437MHz	Pass	2.43073G	13.03	-16.97	49.81M	-38.61	2.39968G	-34.76	2.4G	-36.63	2.51422G	-51.18	16.84384G	-44.35	1
2437MHz	Pass	2.43073G	13.03	-16.97	49.81M	-38.30	2.39984G	-29.71	2.4G	-31.33	2.5063G	-50.92	14.91929G	-44.71	2
2462MHz	Pass	2.43073G	13.03	-16.97	921.23M	-51.93	2.39696G	-50.42	2.4G	-50.63	2.5227G	-50.91	16.61065G	-44.37	1
2462MHz	Pass	2.43073G	13.03	-16.97	903.75M	-51.07	2.3992G	-50.17	2.4G	-52.21	2.50518G	-51.34	16.40274G	-45.12	2
802.11be EHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4319G	12.19	-17.81	343.39M	-51.43	2.4G	-34.98	2.4G	-31.11	2.51894G	-51.04	23.17659G	-43.97	1
2412MHz	Pass	2.4319G	12.19	-17.81	822.2M	-51.33	2.39992G	-35.74	2.4G	-32.62	2.51118G	-51.01	24.54485G	-45.14	2
2437MHz	Pass	2.4319G	12.19	-17.81	2.30641G	-51.51	2.39952G	-37.36	2.4G	-38.41	2.50246G	-50.27	16.2145G	-43.81	1
2437MHz	Pass	2.4319G	12.19	-17.81	753.47M	-51.22	2.3992G	-32.78	2.4G	-33.15	2.52286G	-50.61	24.96067G	-45.26	2
2462MHz	Pass	2.4319G	12.19	-17.81	741.82M	-51.79	2.39336G	-49.34	2.4G	-51.38	2.50182G	-50.51	23.20188G	-44.15	1
2462MHz	Pass	2.4319G	12.19	-17.81	881.62M	-51.37	2.39824G	-50.21	2.4G	-50.92	2.51838G	-50.21	16.20045G	-43.84	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX CSENdB

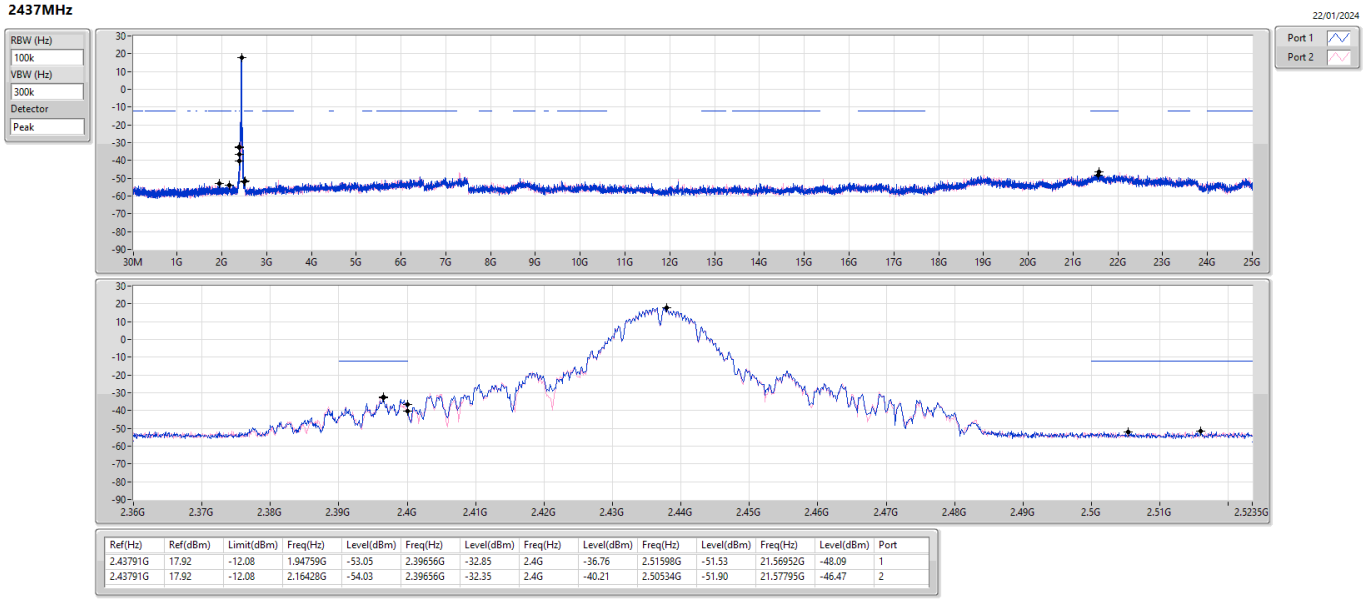
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43791G	17.92	-12.08	1.81478G	-54.00	2.39904G	-27.84	2.4G	-29.41	2.51734G	-50.91	21.45995G	-47.29	1
2.43791G	17.92	-12.08	1.74139G	-53.85	2.39848G	-29.47	2.4G	-28.45	2.50478G	-51.63	21.48805G	-47.02	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX CSENdB

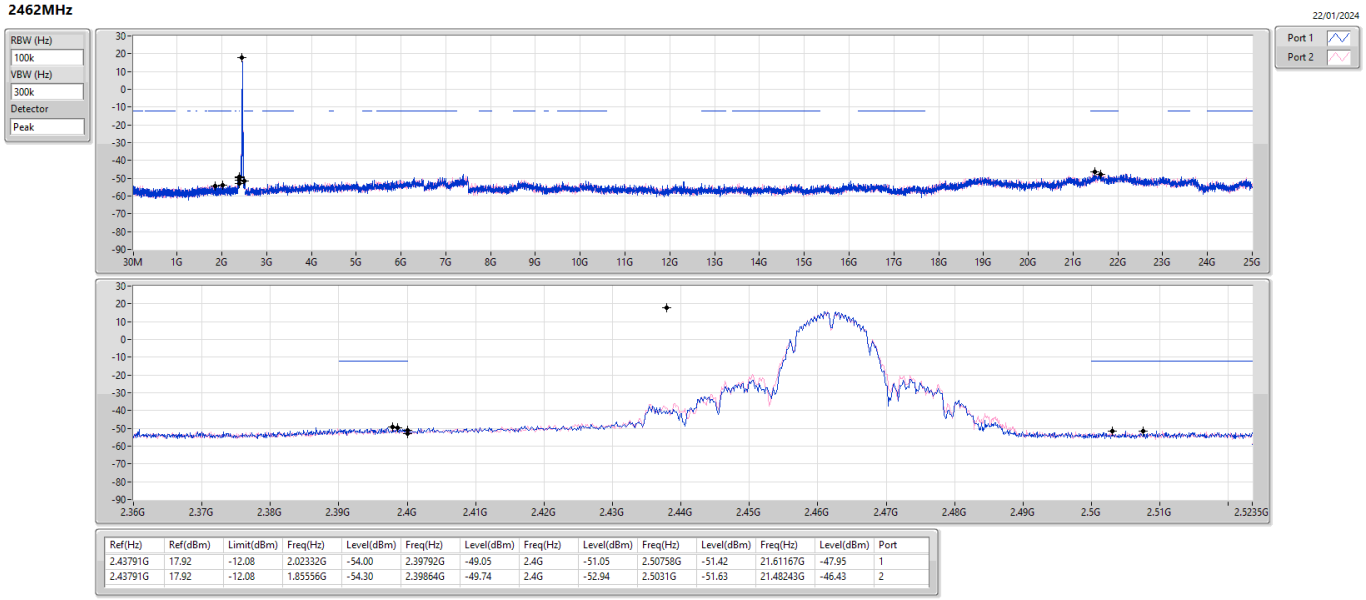
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43791G	17.92	-12.08	1.94759G	-53.05	2.39656G	-32.85	2.4G	-36.76	2.51598G	-51.53	21.56952G	-48.09	1
2.43791G	17.92	-12.08	2.16428G	-54.03	2.39656G	-32.35	2.4G	-40.21	2.50534G	-51.90	21.57795G	-46.47	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX CSENdB

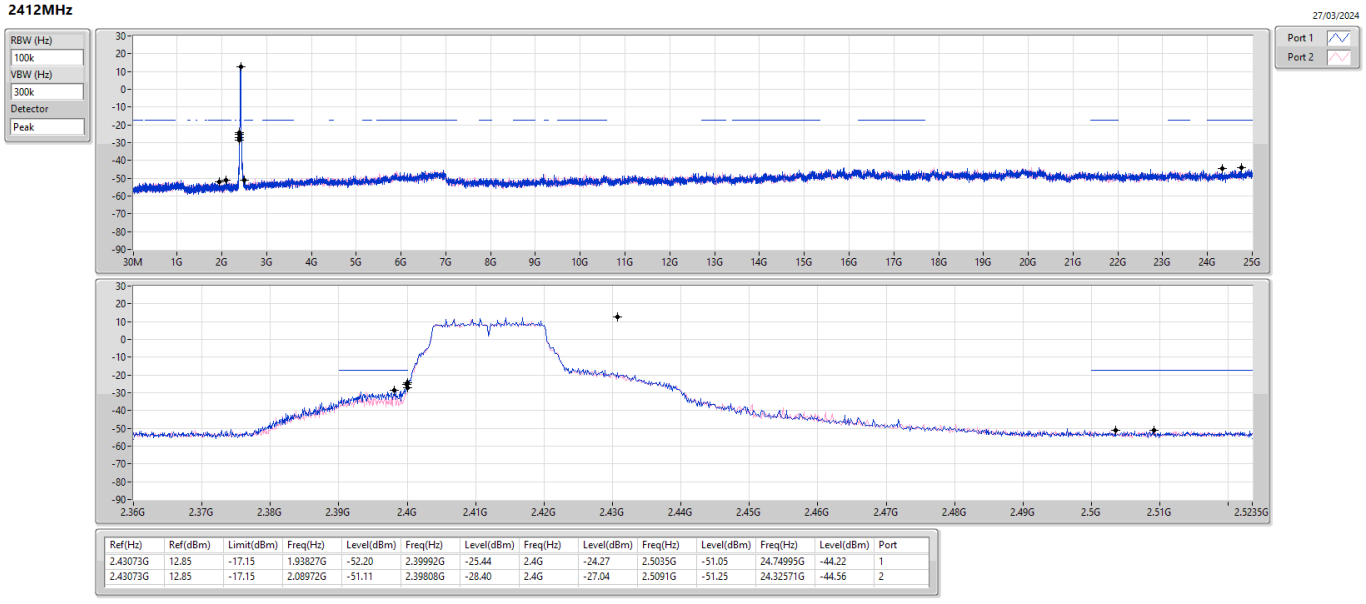
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43791G	17.92	-12.08	2.02332G	-54.00	2.39792G	-49.05	2.4G	-51.05	2.50758G	-51.42	21.61167G	-47.95	1
2.43791G	17.92	-12.08	1.85556G	-54.30	2.39864G	-49.74	2.4G	-52.94	2.5031G	-51.63	21.48243G	-46.43	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX CSENdB

2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43073G	12.85	-17.15	1.93827G	-52.20	2.39992G	-25.44	2.4G	-24.27	2.5035G	-51.05	24.74995G	-44.22	1
2.43073G	12.85	-17.15	2.08972G	-51.11	2.39808G	-28.40	2.4G	-27.04	2.5091G	-51.25	24.32571G	-44.56	2