NCC RADIO TEST REPORT

Equipment	:	Premium Outdoor 802.11ax WiFi and BLE Array AP
Brand Name	:	Mist
Model Name	:	AP63, AP63E
Applicant	:	Juniper Networks, Inc. 1133 Innovation Way, Sunnyvale, CA 94089, USA
Manufacturer	:	Juniper Networks, Inc. 1133 Innovation Way, Sunnyvale, CA 94089, USA
Standard	:	LP0002 Section 3.10.1 (2018-01-10)

The product was received on Apr. 16, 2020, and testing was started from Jul. 03, 2020 and completed on Aug. 20, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications 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. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Approved by: Cliff Chang

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issued Date
TR041650AB	01	Initial issue of report	Aug. 25, 2020
TR041650AB	02	1. Add the external photo of EUT 1 for the photographs of EUT. 2. Update the accessories information on section 2.4.	Sep. 02, 2020

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	3.10.1.4	Antenna Requirement	PASS	-
3.1	2.3	AC Power-line Conducted Emissions	PASS	-
3.2	3.10.1.6	DTS Bandwidth	PASS	-
3.3	3.10.1.2	Maximum Conducted Output Power	PASS	-
3.4	3.10.1.6	Power Spectral Density	PASS	-
3.5	3.10.1.5	Emissions in Non-restricted Frequency Bands	PASS	-
3.6	3.10.1.5	Emissions in Restricted Frequency Bands	PASS	-
The test results of this report reference the Sporton Report No.: FR041650AB. After evaluating, the test results comply with the test standard LP0002 (2018-01-10).				

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Sam Chen
Report Producer: Wendy Pan

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), VHT20, ax (HEW20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40), VHT40, ax (HEW40)	2422-2452	3-9 [7]

For Radio 2

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	4TX
2.4-2.4835GHz	802.11g	20	4TX
2.4-2.4835GHz	802.11n HT20	20	4TX
2.4-2.4835GHz	802.11n HT20-BF	20	4TX
2.4-2.4835GHz	VHT20	20	4TX
2.4-2.4835GHz	VHT20-BF	20	4TX
2.4-2.4835GHz	802.11ax HEW20	20	4TX
2.4-2.4835GHz	802.11ax HEW20-BF	20	4TX
2.4-2.4835GHz	802.11n HT40	40	4TX
2.4-2.4835GHz	802.11n HT40-BF	40	4TX
2.4-2.4835GHz	VHT40	40	4TX
2.4-2.4835GHz	VHT40-BF	40	4TX
2.4-2.4835GHz	802.11ax HEW40	40	4TX
2.4-2.4835GHz	802.11ax HEW40-BF	40	4TX

For Radio 3

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	2TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11n HT20	20	2TX
2.4-2.4835GHz	VHT20	20	2TX
2.4-2.4835GHz	802.11ax HEW20	20	2TX
2.4-2.4835GHz	802.11n HT40	40	2TX
2.4-2.4835GHz	VHT40	40	2TX
2.4-2.4835GHz	802.11ax HEW40	40	2TX

Note:
- 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- HEW20, HEW40 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

For Configuration 1 / Internal Antenna of EUT:

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Antenna Gain(dBi)			Radio
						WLAN 2.4GHz	WLAN 5GHz	Bluetooth	
1 ~ 4	1~4	Juniper	81XKAF15,G35	PIFA Antenna	I-PEX	-	6	-	R1-5GHz
5~8	1~4	Juniper	81XKAF15,G35	PIFA Antenna	I-PEX	4	-	-	R2-2.4GHz
9~10	1~2	Juniper	81XKAF15,G35	PIFA Antenna	I-PEX	2.3	4.7	-	R3-2.4GHz R3-5GHz
11 ~ 18	1	Juniper	81XKAF15,G35	PIFA Antenna	I-PEX	-	-	5.1	R4
19	1	Juniper	81XKAF15,G35	PIFA Antenna	I-PEX	-	-	4.3	R4
20	1	Juniper	81XKAF15,G35	PIFA Antenna	I-PEX	-	-	1.4	R4

Note: The above information was declared by manufacturer.

For Radio 1 / 5GHz function:
For IEEE 802.11a/n/ac/ax mode (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 2 / 2.4GHz function:
For IEEE 802.11b/g/n/ax and VHT mode (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:
For IEEE 802.11b/g/n/ax and VHT mode (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 3 / 5GHz function:
For IEEE 802.11a/n/ac/ax mode (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 4 / Bluetooth function (1TX/1RX):
Only Port 1 can be use as transmitting/receiving antenna.

For Configuration 3 / Internal Antenna of EUT:

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Antenna Gain(dBi)					Radio
						WLAN 2.4GHz	WLAN 5GHz			Bluetooth	
							B1 B2 (R1)	B3 B4 (R2)	B1 B2 B3 B4 (R3)		
1 ~ 4	R1:4~1 R2:1~4	Juniper	81XKAF15,G35	PIFA Antenna	I-PEX	4	6	-	-	-	R1-5GHz R2-2.4GHz
5~8	1~4	Juniper	81XKAF15,G35	PIFA Antenna	I-PEX	-	-	6	-	-	R2-5GHz
9~10	1~2	Juniper	81XKAF15,G35	PIFA Antenna	I-PEX	2.3	-	-	4.7	-	R3-2.4GHz R3-5GHz
11~18	1	Juniper	81XKAF15,G35	PIFA Antenna	I-PEX	-	-	-	-	5.1	R4
19	1	Juniper	81XKAF15,G35	PIFA Antenna	I-PEX	-	-	-	-	4.3	R4
20	1	Juniper	81XKAF15,G35	PIFA Antenna	I-PEX	-	-	-	-	1.4	R4

Note: The above information was declared by manufacturer.

For Radio 1 / 5GHz function:
For IEEE 802.11a/n/ac/ax mode (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 2 / 2.4GHz function:
For IEEE 802.11b/g/n/ax and VHT mode (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 2 / 5GHz Band 4 function:
For IEEE 802.11b/g/n/ac/ax mode (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:
For IEEE 802.11b/g/n/ax and VHT mode (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 3 / 5GHz function:
For IEEE 802.11a/n/ac/ax mode (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 4 / Bluetooth function (1TX/1RX):
Only Port 1 can be use as transmitting/receiving antenna.

For Configuration 2 / External Antenna of EUT:

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Antenna Gain(dBi)			Radio
						WLAN 2.4GHz	WLAN 5GHz	Bluetooth	
1	1~4	AccelTex	ATS-OO-245-46-6NP-36	Omni Antenna	N-Style	4	6	-	R2-2.4GHz R1-5GHz
	1~2	AccelTex	ATS-OO-245-46-6NP-36	Omni Antenna	N-Style	4	6	-	R3-2.4GHz R3-5GHz
2	1~4	AccelTex	ATS-OP-245-810-6NP-36	Patch Antenna	N-Style	8	10	-	R2-2.4GHz R1-5GHz
	1~2	AccelTex	ATS-OP-245-810-6NP-36	Patch Antenna	N-Style	8	10	-	R3-2.4GHz R3-5GHz
3 ~ 10	1	Juniper	81XKAF15,G36	PIFA Antenna	I-PEX	-	-	5.1	R4
11	1	Juniper	81XKAF15,G36	PIFA Antenna	I-PEX	-	-	4.3	R4
12	1	Juniper	81XKAF15,G36	PIFA Antenna	I-PEX	-	-	1.4	R4

Note: The above information was declared by manufacturer.

For Radio 1 / 5GHz function:
For IEEE 802.11a/n/ac/ax mode (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 2 / 2.4GHz function:
For IEEE 802.11b/g/n/ax and VHT mode (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:
For IEEE 802.11b/g/n/ax and VHT mode (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 3 / 5GHz function:
For IEEE 802.11a/n/ac/ax mode (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 4 / Bluetooth function (1TX/1RX):
Only Port 1 can be use as transmitting/receiving antenna.

1.1.3 Mode Test Duty Cycle

For EUT 1 / Radio 2:

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b Nss1,(1Mbps)_4TX	0.957	0.19	12.424m	100
802.11g Nss1,(6Mbps)_4TX	0.953	0.21	2.07m	1k
802.11ax HEW20 _Nss1,(MCS0)_4TX	0.981	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40 _Nss1,(MCS0)_4TX	0.964	0.16	782.5u	3k

For EUT 1 / Radio 3:

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b Nss1,(1Mbps)_2TX	0.957	0.19	12.42m	100
802.11g Nss1,(6Mbps)_2TX	0.955	0.2	2.07m	1k
802.11ax HEW20 _Nss1,(MCS0)_2TX	0.978	0.1	1.489m	1k
802.11ax HEW40 _Nss1,(MCS0)_2TX	0.964	0.16	782.5u	3k

For EUT 2 / Radio 2 / External Ant.1:

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b Nss1,(1Mbps)_4TX	0.936	0.29	12.42m	100
802.11g Nss1,(6Mbps)_4TX	0.953	0.21	2.068m	1k
802.11ax HEW20 _Nss1,(MCS0)_4TX	0.981	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40 _Nss1,(MCS0)_4TX	0.964	0.16	782.5u	3k

For EUT 2 / Radio 3 / External Ant.1:

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b Nss1,(1Mbps)_2TX	0.936	0.29	12.42m	100
802.11g Nss1,(6Mbps)_2TX	0.952	0.21	2.066m	1k
802.11ax HEW20 _Nss1,(MCS0)_2TX	0.98	0.09	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40 _Nss1,(MCS0)_2TX	0.962	0.17	781.875u	3k

For EUT 2 / Radio 2 / External Ant.2:

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b Nss1,(1Mbps)_4TX	0.958	0.19	12.424m	100
802.11g Nss1,(6Mbps)_4TX	0.955	0.2	2.07m	1k
802.11ax HEW20 _Nss1,(MCS0)_4TX	0.978	0.1	1.489m	1k
802.11ax HEW40 _Nss1,(MCS0)_4TX	0.961	0.17	781.25u	3k

For EUT 2 / Radio 3 / External Ant.2:

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b Nss1,(1Mbps)_2TX	0.936	0.29	12.42m	100
802.11g Nss1,(6Mbps)_2TX	0.952	0.21	2.066m	1k
802.11ax HEW20 _Nss1,(MCS0)_2TX	0.98	0.09	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40 _Nss1,(MCS0)_2TX	0.962	0.17	781.875u	3k

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

1.1.4 EUT Operational Condition

EUT Power Type	From PoE			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	For 802.11n/VHT/ax in 2.4GHz and 802.11n/ac/ax in 5GHz.			
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	accessMTool 3.2.0.2			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

The model names in the following table are all refer to the identical product.

Model Name	EUT	Description
AP63	EUT 1	The model name: AP63 indicates that it comes with internal antennas and The model name: AP63E indicates that the access point comes with external antenna connectors.
AP63E	EUT 2	

1.1.6 Table for EUT Configuration

Configuration	EUT	Radio 1	Radio 2	Radio 3	Radio 4
1	1	WLAN 5GHz (Full Band)	WLAN 2.4GHz	WLAN 2.4GHz + WLAN 5GHz (Full Band)	Bluetooth
2	2	WLAN 5GHz (Full Band)	WLAN 2.4GHz	WLAN 2.4GHz + WLAN 5GHz (Full Band)	Bluetooth
3	1	WLAN 5GHz (Band 1 ~ Band 2)	WLAN 2.4GHz + WLAN 5GHz (Band 3 ~ Band 4)	WLAN 2.4GHz + WLAN 5GHz (Full Band)	Bluetooth

Note: 1. The Bluetooth antennas are the same for EUT 1 and EUT 2, so there's only EUT 1 was tested and recorded in the report.
2. 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:

- NCC LP0002 (2018-01-10)
- 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 D01 v02r01
- FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

Testing Location			
☐	HWA YA	ADD :	No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)
		TEL :	886-3-327-3456 FAX : 886-3-327-0973
☒	JHUBEI	ADD :	No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C.
		TEL :	886-3-656-9065 FAX : 886-3-656-9085

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH03-CB	Benson Su	24.8-26.6°C / 56-61%	Jul. 07, 2020 ~ Jul. 27, 2020
Radiated<1GHz (Unintentional)	10CH01-CB	Ryo Fan	22~23°C / 61~62%	Aug. 04, 2020 ~ Aug. 05, 2020
Radiated>1GHz (Unintentional)	10CH01-CB	Ryo Fan	21~22°C / 64~65%	Aug. 17, 2020
Radiated<1GHz (Intentional)	10CH01-CB	Ryo Fan	22~23°C / 62~63 %	Aug. 19, 2020~ Aug. 20, 2020
Radiated>1GHz	03CH01-CB	Eason Chen	24.8-26.1°C / 58-61%	Jul. 03, 2020 ~ Jul. 24, 2020
	03CH03-CB	Eason Chen	25.1-26.9°C / 58-60%	Jul. 03, 2020 ~ Jul. 24, 2020
AC Conduction	CO01-CB	Max Lin	20~22°C / 58~60%	Aug. 04, 2020

Test site Designation No. TW0006 with FCC.
Test site registered number IC 4086D with Industry Canada.

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)	2.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.8 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.9 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.6 dB	Confidence levels of 95%
Conducted Emission	2.8 dB	Confidence levels of 95%
Output Power Measurement	1.4 dB	Confidence levels of 95%
Power Density Measurement	2.8 dB	Confidence levels of 95%
Bandwidth Measurement	0.39%	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

For EUT 1 / Radio 2:

Mode	PowerSetting
802.11b_Nss1,(1Mbps)_4TX	-
2412MHz	92
2437MHz	95
2462MHz	86
802.11g_Nss1,(6Mbps)_4TX	-
2412MHz	65
2417MHz	71
2437MHz	82
2457MHz	64
2462MHz	59
802.11ax HEW20_Nss1,(MCS0)_4TX	-
2412MHz	60
2417MHz	70
2437MHz	78
2457MHz	63
2462MHz	50
802.11ax HEW40_Nss1,(MCS0)_4TX	-
2422MHz	61
2437MHz	65
2452MHz	59
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
2412MHz	60
2417MHz	70
2437MHz	78
2457MHz	63
2462MHz	50
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
2422MHz	61
2437MHz	65
2452MHz	59

For EUT 1 / Radio 3:

Mode	PowerSetting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	90
2437MHz	96
2462MHz	89
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	65
2417MHz	76
2437MHz	86
2457MHz	68
2462MHz	61
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	67
2417MHz	72
2437MHz	84
2457MHz	64
2462MHz	52
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	62
2437MHz	65
2452MHz	58

For EUT 2 / Radio 2 / External Ant.1:

Mode	Power Setting
802.11b_Nss1,(1Mbps)_4TX	-
2412MHz	87
2437MHz	95
2462MHz	84
802.11g_Nss1,(6Mbps)_4TX	-
2412MHz	60
2417MHz	70
2437MHz	82
2457MHz	65
2462MHz	56
802.11ax HEW20_Nss1,(MCS0)_4TX	-
2412MHz	54
2417MHz	66
2437MHz	81
2457MHz	54
2462MHz	47
802.11ax HEW40_Nss1,(MCS0)_4TX	-
2422MHz	55
2437MHz	63
2452MHz	55
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
2412MHz	054
2417MHz	66
2437MHz	81
2457MHz	54
2462MHz	47
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
2422MHz	55
2437MHz	63
2452MHz	55

For EUT 2 / Radio 3 / External Ant.1:

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	85
2437MHz	95
2462MHz	85
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	61
2417MHz	71
2437MHz	84
2457MHz	71
2462MHz	61
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	59
2417MHz	69
2437MHz	83
2457MHz	65
2462MHz	55
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	59
2437MHz	64
2452MHz	58

For EUT 2 / Radio 2 / External Ant.2:
For Conducted measurement and Band Edge Emission test:

Mode	Power Setting
802.11b_Nss1,(1Mbps)_4TX	-
2412MHz	84
2437MHz	90
2462MHz	83
802.11g_Nss1,(6Mbps)_4TX	-
2412MHz	53
2417MHz	57
2437MHz	73
2457MHz	61
2462MHz	55
802.11ax HEW20_Nss1,(MCS0)_4TX	-
2412MHz	49
2417MHz	60
2437MHz	68
2457MHz	50
2462MHz	46
802.11ax HEW40_Nss1,(MCS0)_4TX	-
2422MHz	49
2437MHz	57
2452MHz	51
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
2412MHz	49
2417MHz	60
2437MHz	62
2457MHz	50
2462MHz	46
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
2422MHz	49
2437MHz	57
2452MHz	51

For Radiated Emission:

Mode	Radiated Setting
802.11b_Nss1,(1Mbps)_4TX	-
2412MHz	101
2437MHz	108
2462MHz	108
802.11g_Nss1,(6Mbps)_4TX	-
2412MHz	108
2437MHz	108
2462MHz	108
802.11ax HEW20_Nss1,(MCS0)_4TX	-
2412MHz	108
2437MHz	108
2462MHz	108
802.11ax HEW40_Nss1,(MCS0)_4TX	-
2422MHz	108
2437MHz	108
2452MHz	108

For EUT 2 / Radio 3 / External Ant.2:
For Conducted measurement and Band Edge Emission test:

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	83
2437MHz	94
2462MHz	83
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	55
2417MHz	65
2437MHz	81
2457MHz	63
2462MHz	54
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	53
2417MHz	64
2437MHz	75
2457MHz	60
2462MHz	49
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	52
2437MHz	57
2452MHz	51

For Radiated Emission:

Mode	Radiated Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	97
2437MHz	108
2462MHz	108
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	108
2437MHz	108
2462MHz	108
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	108
2437MHz	108
2462MHz	108
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	108
2437MHz	108
2452MHz	108

Note: 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.

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						
Operating Mode	Unintentional - Normal Link						
Test Mode	**Configuration**	**EUT**	**Radio 1**	**Radio 2**	**Radio 3**	**Radio 4**	**Power supply**
1	Configuration 1	EUT 1	WLAN 5GHz	WLAN 2.4GHz	WLAN 2.4GHz	Bluetooth	PoE
2	Configuration 1	EUT 1	WLAN 5GHz	WLAN 2.4GHz	WLAN 5GHz	Bluetooth	PoE
3	Configuration 2 + External Ant.2	EUT 2	WLAN 5GHz	WLAN 2.4GHz	WLAN 2.4GHz	Bluetooth	PoE
4	Configuration 2 + External Ant.2	EUT 2	WLAN 5GHz	WLAN 2.4GHz	WLAN 5GHz	Bluetooth	PoE
5	Configuration 3	EUT 1	WLAN 5GHz (Low Band)	WLAN 2.4GHz	WLAN 2.4GHz	Bluetooth	PoE
6	Configuration 3	EUT 1	WLAN 5GHz (Low Band)	WLAN 2.4GHz	WLAN 5GHz	Bluetooth	PoE
7	Configuration 3	EUT 1	WLAN 5GHz (Low Band)	WLAN 5GHz (High Band)	WLAN 2.4GHz	Bluetooth	PoE
8	Configuration 3	EUT 1	WLAN 5GHz (Low Band)	WLAN 5GHz (High Band)	WLAN 5GHz	Bluetooth	PoE
For operating mode 4 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	
Test Mdoe	1	EUT 1 / Radio 2
	2	EUT 1 / Radio 3
	3	EUT 2 / Radio 2 / External Ant.1
	4	EUT 2 / Radio 3 / External Ant.1
	5	EUT 2 / Radio 2 / External Ant.2
	6	EUT 2 / Radio 3 / External Ant.2

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	Unintentional - Normal Link						
Test Mode	**Configuration**	**EUT**	**Radio 1**	**Radio 2**	**Radio 3**	**Radio 4**	**Power supply**
1	Configuration 1	EUT 1 in Y axis	WLAN 5GHz	WLAN 2.4GHz	WLAN 2.4GHz	Bluetooth	PoE
2	Configuration 1	EUT 1 in Z axis	WLAN 5GHz	WLAN 2.4GHz	WLAN 2.4GHz	Bluetooth	PoE
Mode 1 has been evaluated to be the worst case between Mode 1~2, thus measurement for Mode 3 ~ 9 will follow this same test mode.							
3	Configuration 1	EUT 1 in Y axis	WLAN 5GHz	WLAN 2.4GHz	WLAN 5GHz	Bluetooth	PoE
4	Configuration 2 + External Ant.2	EUT 2 in Y axis	WLAN 5GHz	WLAN 2.4GHz	WLAN 2.4GHz	Bluetooth	PoE
5	Configuration 2 + External Ant.2	EUT 2 in Y axis	WLAN 5GHz	WLAN 2.4GHz	WLAN 5GHz	Bluetooth	PoE
6	Configuration 3	EUT 1 in Y axis	WLAN 5GHz (Low Band)	WLAN 2.4GHz	WLAN 2.4GHz	Bluetooth	PoE
7	Configuration 3	EUT 1 in Y axis	WLAN 5GHz (Low Band)	WLAN 2.4GHz	WLAN 5GHz	Bluetooth	PoE
8	Configuration 3	EUT 1 in Y axis	WLAN 5GHz (Low Band)	WLAN 5GHz (High Band)	WLAN 2.4GHz	Bluetooth	PoE
9	Configuration 3	EUT 1 in Y axis	WLAN 5GHz (Low Band)	WLAN 5GHz (High Band)	WLAN 5GHz	Bluetooth	PoE
For operating mode 3 is the worst case and it was record in this test report.							

Operating Mode < 1GHz	Intentional - CTX
This tests with highest power setting for WLAN and highest gain for Bluetooth. The External Ant.1 was performed at 90° and 180° position and the worst case was found at 180°. So the measurement will follow this same test configuration. **For WLAN 2.4GHz:** Radio 2 has been evaluated to be the worst case for Emissions in Restricted Frequency Bands Intentional above 1GHz test. Consequently, measurement for Emissions in Restricted Frequency Bands Intentional below 1GHz will follow this same test mode. The EUT was performed at X、Y axis and Z axis position for Emissions in Restricted Frequency Bands Intentional above 1GHz test and the worst case was found at below: 1. EUT 1 in Z axis 2. EUT 2 in X axis + external Ant.1 3. EUT 2 in X axis + external Ant.2 **For WLAN 5GHz:** For EUT 1 is Radio 2 and EUT 2 is Radio 3 has been evaluated to be the worst case for Unwanted EmissionsIntentional above 1GHz test. Consequently, measurement for Unwanted EmissionsIntentional below 1GHz will follow this same test mode. The EUT was performed at X、Y axis and Z axis position for Unwanted Emissions Intentional above 1GHz test and the worst case was found at below: 1. EUT 1 in Y axis 2. EUT 2 in X axis + external Ant.1 3. EUT 2 in X axis + external Ant.2 **For Bluetooth Ant. 11 ~ Ant.18 (Directional Mode):** Ant.11 ~ Ant.18 can be used as transmitting/receiving functions, but only one antenna can be used as transmitting/receiving functions at one time and the worst case was found at Ant.17. So the measurement will follow this same test configuration. The EUT was performed at X、Y axis and Z axis and the worst case was found at Y axis. So the measurement will follow this same test configuration.	
1	EUT 1 in Z axis + WLAN 2.4GHz (Radio 2)
2	EUT 2 in X axis + external Ant.1 + WLAN 2.4GHz (Radio 2)
3	EUT 2 in X axis + external Ant.2 + WLAN 2.4GHz (Radio 2)
4	EUT 1 in Y axis + WLAN 5GHz (Radio 2)
5	EUT 2 in X axis + external Ant.1 + WLAN 5GHz (Radio 3)
6	EUT 2 in X axis + external Ant.2 + WLAN 5GHz (Radio 3)
7	EUT 1 in Y axis + Ant. 17 (Directional Mode / Beam 7)
For operating mode 1 is the worst case and it was record in this test report.	

Operating Mode > 1GHz	Unintentional - Normal Link						
Mode 3 generated the worst test result for Emissions in Restricted Frequency Bands unintentional below 1GHz test, thus the measurement for Emissions in Restricted Frequency Bands unintentional 1GHz~5th Harmonic test will follow this same test configuration.							
Test Mode	**Configuration**	**EUT**	**Radio 1**	**Radio 2**	**Radio 3**	**Radio 4**	**Power supply**
1	Configuration 1	EUT 1 in Y axis	WLAN 5GHz	WLAN 2.4GHz	WLAN 5GHz	Bluetooth	PoE

Operating Mode > 1GHz	Intentional - CTX
1. The External Ant.1 was performed at 90° and 180° position and the worst case was found at 180°. So the measurement will follow this same test configuration. 2. The EUT was performed at X、Y axis and Z axis and the worst case was found at below:	

Items	Radiated Emission		Band Edge Emission	
	Radio 2	Radio 3	Radio 2	Radio 3
EUT 1	Z axis	Y axis	Y axis	Z axis
EUT 2 + External Ant.1 in 180°	(Note 1)	(Note 1)	X axis	X axis
EUT 2 + External Ant.2	X axis	Y axis	X axis	Z axis
Note 1	The EUT 2 accompanies with two types of external antennas. The External Ant.2 with the highest gain and highest power setting were selected to conduct the measurement, and the test result is recorded in this test report.			

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

Power	Brand	Model	Remark
PoE 1	YAMAHA	YPS-PoE-AT	Provided by applicant
PoE 2	Buffalo	BIJ-POE-1P:T	Provided by applicant

2.The applicant declared that the accessories of this case were for measurement only and it would not be marketed. The accessories will be provided and inspected by the laboratory (or the applicant).

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Equipment Name	Brand Holder	Model Name
Flush Mount Bracket*1	Juniper Networks, Inc.	APOUTBR-FN
Mounting Bracket*2	Juniper Networks, Inc.	APOUTBR-ART2
Seal*2	Juniper Networks, Inc.	AP63

2.5 Support Equipment

For AC Conduction and Radiated (Unintentional):

Support Equipment					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
A	2.4G NB	DELL	E6430	N/A	Provided by Lab
B	5G-1 NB	DELL	E6430	N/A	Provided by Lab
C	5G-2 NB	DELL	E6430	N/A	Provided by Lab
D	2.5G LAN PC	DELL	T3400	N/A	Provided by Lab
E	Monitor	DELL	1704FPTt	N/A	Provided by Lab
F	Keyboard	iCooky	SK068	N/A	Provided by Lab
G	Mouse	HP	FM100	N/A	Provided by Lab
H	Modem	ACEEX	DM1414	N/A	Provided by Lab
I	Printer	EPSON	LQ-300+	N/A	Provided by Lab
J	PoE 1	YAMAHA	YPS-PoE-AT	N/A	Provided by applicant
K	Smart Phone	Samsung	Galaxy J2	N/A	Provided by Lab
L	PoE LOAD	N/A	N/A	N/A	Provided by applicant
M	PoE LOAD NB	DELL	E6430	N/A	Provided by Lab

For Radiated Below 1GHz (Intentional):

Support Equipment					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
A	PoE 1	YAMAHA	YPS-PoE-AT	N/A	Provided by applicant
B	Notebook	DELL	E6430	N/A	Provided by Lab

For Radiated Above 1GHz (Intentional):

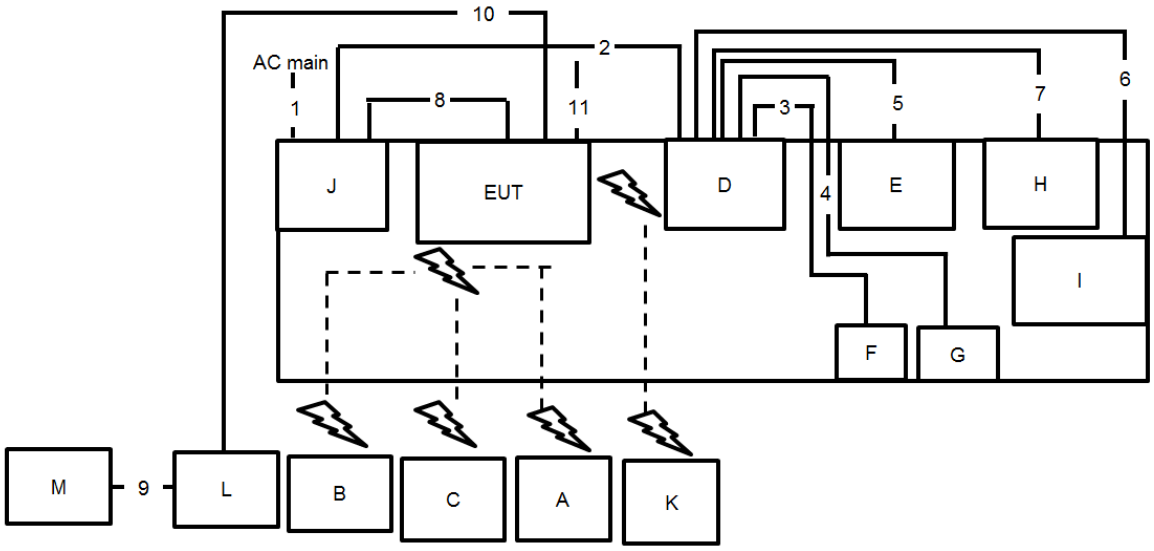
Support Equipment					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
A	PoE 2	Buffalo	BIJ-POE-1P:T	N/A	Provided by applicant
B	Notebook	DELL	E4300	N/A	Provided by Lab
E	Bluetooth Test set	Anritsu	MT8852B	N/A	Provided by applicant

For RF Conducted:

Support Equipment					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
A	Notebook	DELL	E4300	N/A	Provided by Lab
B	PoE 2	Buffalo	BIJ-POE-1P:T	N/A	Provided by applicant

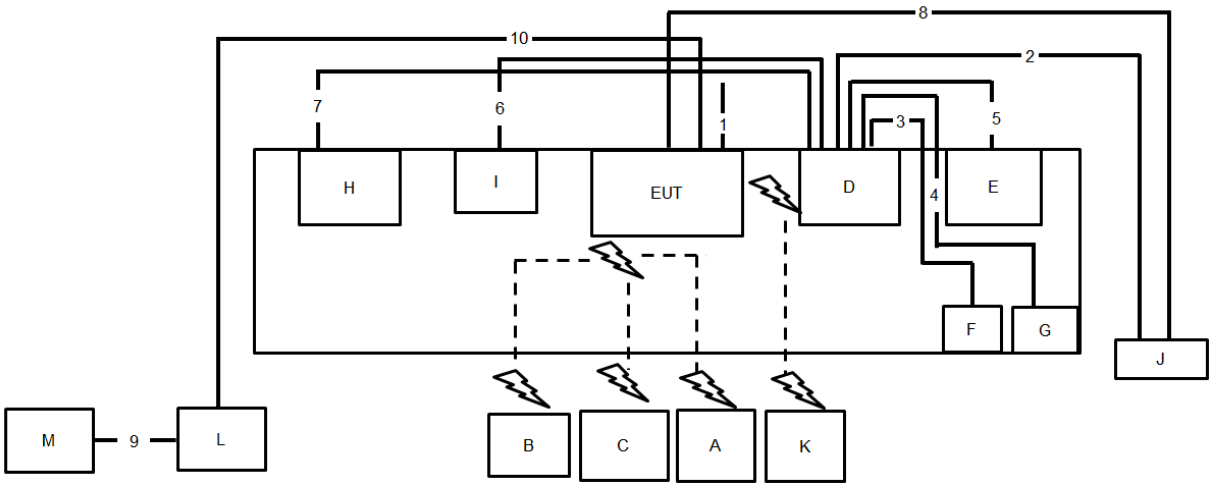
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



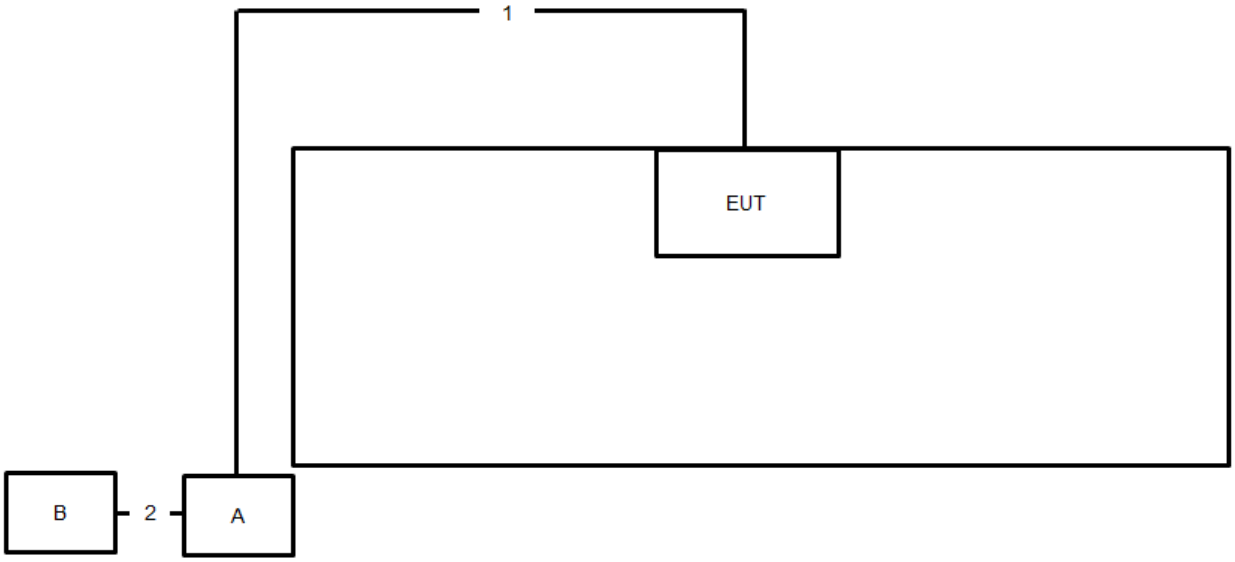
Item	Connection	Shielded	Length	Brand Name	Model Name	Remark
1	Power cable	No	1.8m	-	-	Provided by Lab
2	RJ-45 cable	No	1.5m	-	-	Provided by Lab
3	USB cable	Yes	1.8m	-	-	Provided by Lab
4	USB cable	Yes	1.8m	-	-	Provided by Lab
5	VGA cable	Yes	1.8m	-	-	Provided by Lab
6	USB cable	Yes	1.8m	-	-	Provided by Lab
7	RS-232 cable	Yes	1.8m	-	-	Provided by Lab
8	RJ-45 cable	No	1.5m	PowerSync	CLN5GBR9020	Provided by Lab
9	RJ-45 cable	No	1.5m	-	-	Provided by Lab
10	RJ-45 cable	No	10m	PowerSync	CLN5GBR9020	Provided by Lab
11	Ground cable	No	1.5m	-	-	Provided by Lab

Test Setup Diagram - Radiated Test / Unintentional - Normal Link



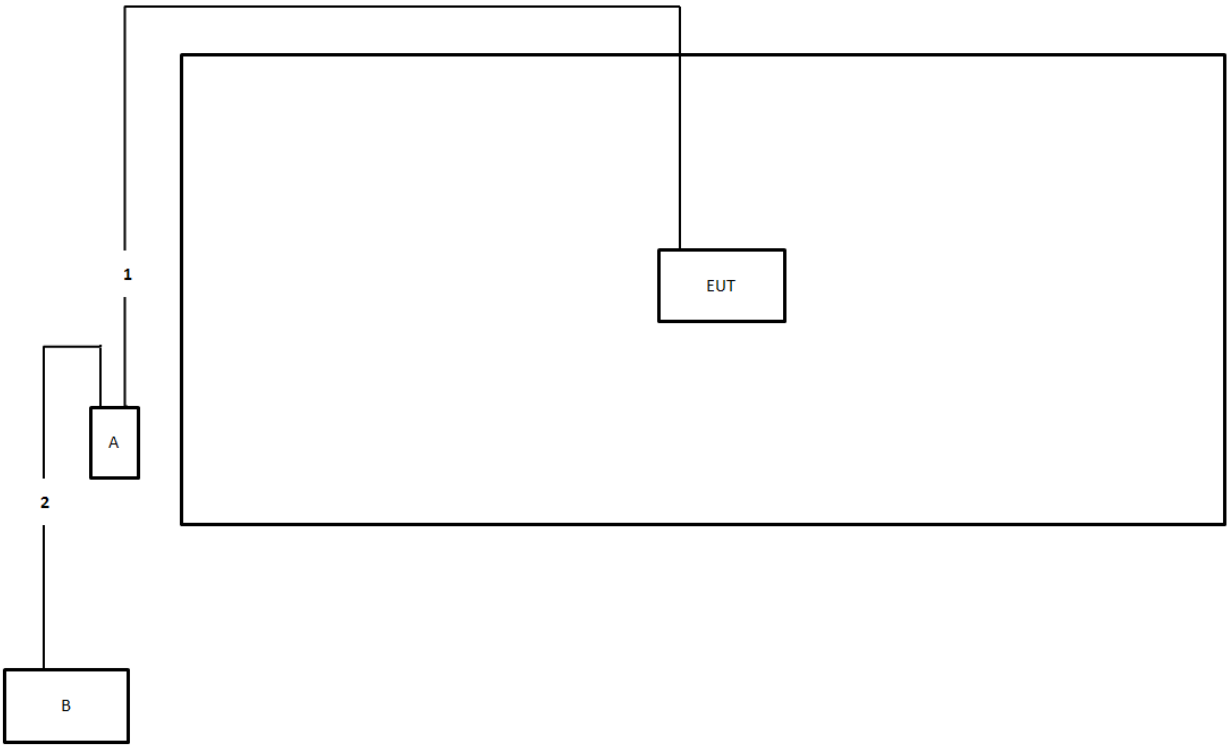
Item	Connection	Shielded	Length	Brand Name	Model Name	Remark
1	Ground cable	No	1.5m	-	-	Provided by Lab
2	RJ-45 cable	No	10m	-	-	Provided by Lab
3	USB cable	Yes	1.8m	-	-	Provided by Lab
4	USB cable	Yes	1.8m	-	-	Provided by Lab
5	VGA cable	Yes	1.8m	-	-	Provided by Lab
6	USB cable	Yes	1.8m	-	-	Provided by Lab
7	RS-232 cable	Yes	1.8m	-	-	Provided by Lab
8	RJ-45 cable	No	10m	PowerSync	CLN5GBR9020	Provided by Lab
9	RJ-45 cable	No	3m	-	-	Provided by Lab
10	RJ-45 cable	No	10m	PowerSync	CLN5GBR9020	Provided by Lab

Test Setup Diagram - Radiated < 1GHz Test / Intentional - CTX



Item	Connection	Shielded	Length	Brand Name	Model Name	Remark
1	RJ-45 cable	No	10m	PowerSync	CLN5GBR9020	Provided by Lab
2	RJ-45 cable	No	1.5m	-	-	Provided by Lab

Test Setup Diagram - Radiated Test > 1GHz



Item	Connection	Shielded	Length	Brand Name	Model Name	Remark
1	RJ-45 cable	No	10m	PowerSync	CLN5GBR9020	Provided by Lab
2	RJ-45 cable	No	1.5m	-	-	Provided by Lab

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

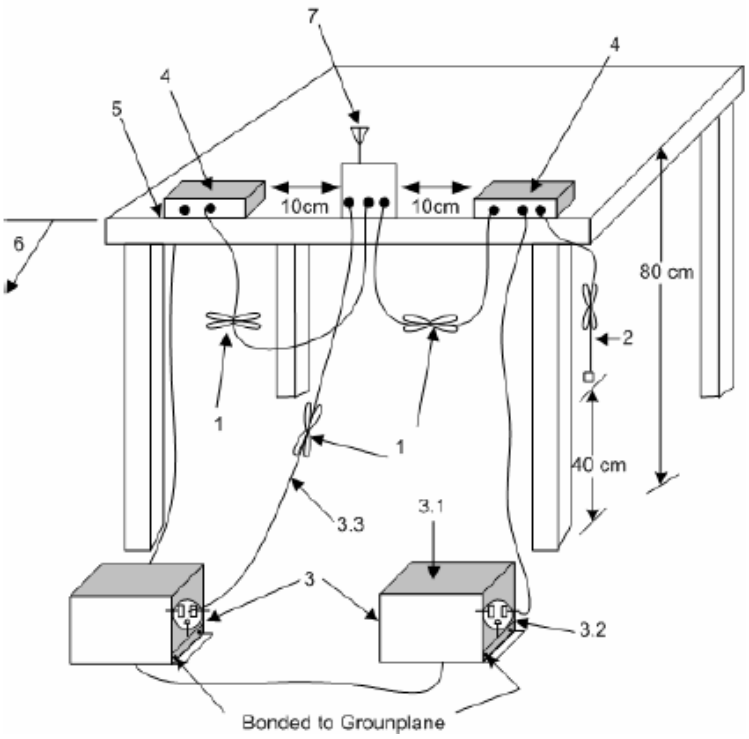
Refer a test equipment and calibration data table in this test report.

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 (dBuV) = LISN Factor + Cable Loss + Read Level = Level

b. Margin = - Limit + (Read Level + LISN Factor + Cable Loss)

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

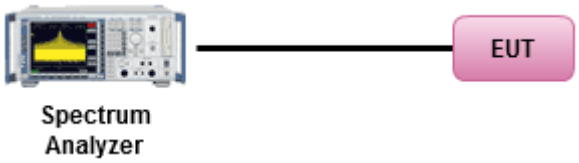
Refer a test equipment and calibration data table in this test report.

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

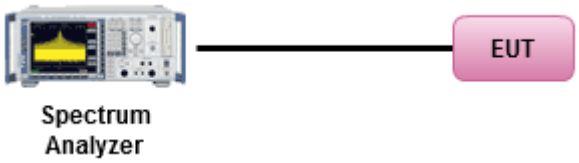
Refer a test equipment and calibration data table in this test report.

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

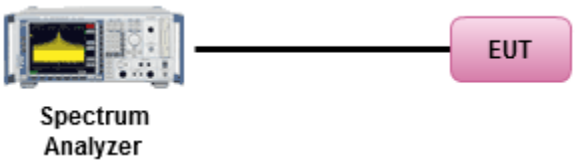
Refer a test equipment and calibration data table in this test report.

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.

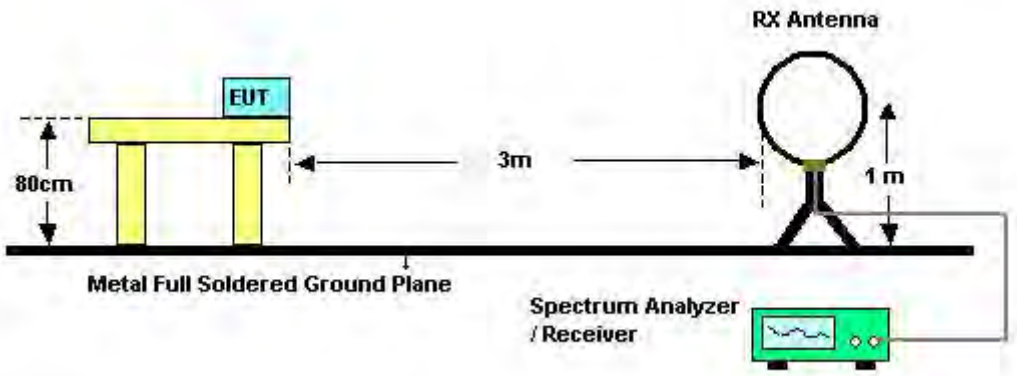
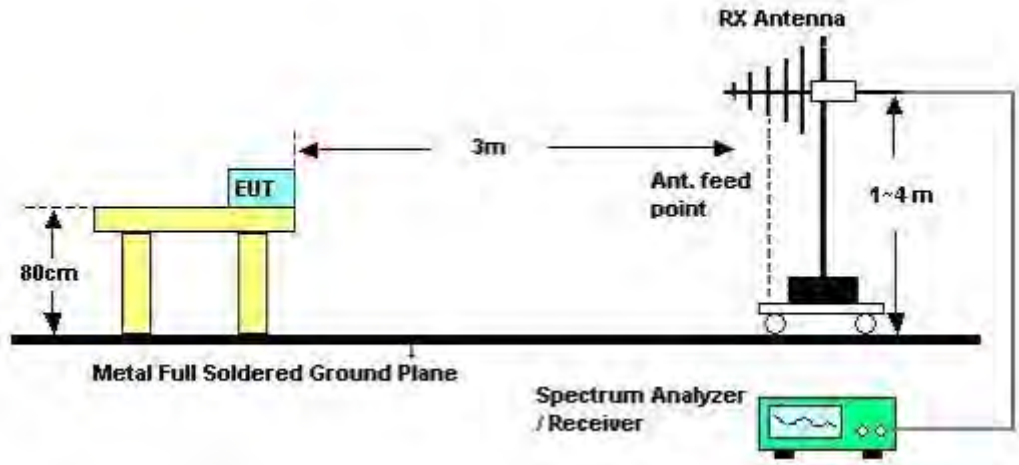
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

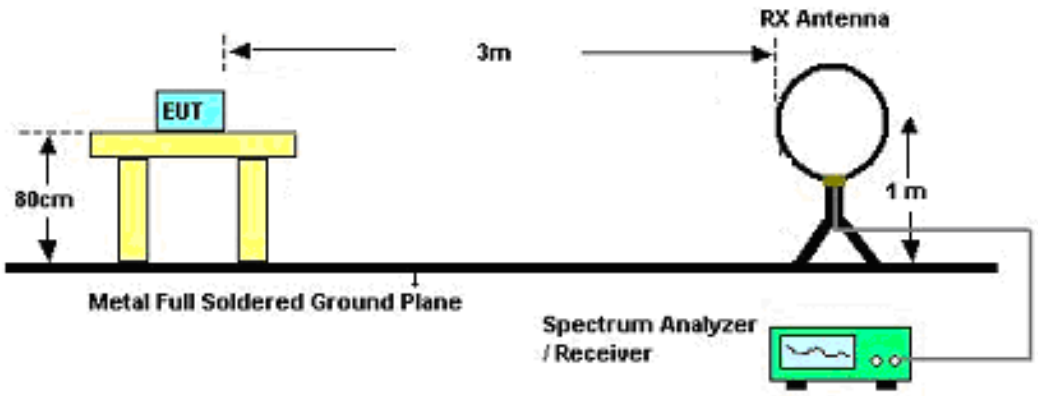
Test Method			
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].			
▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.			
▪ For the transmitter unwanted 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

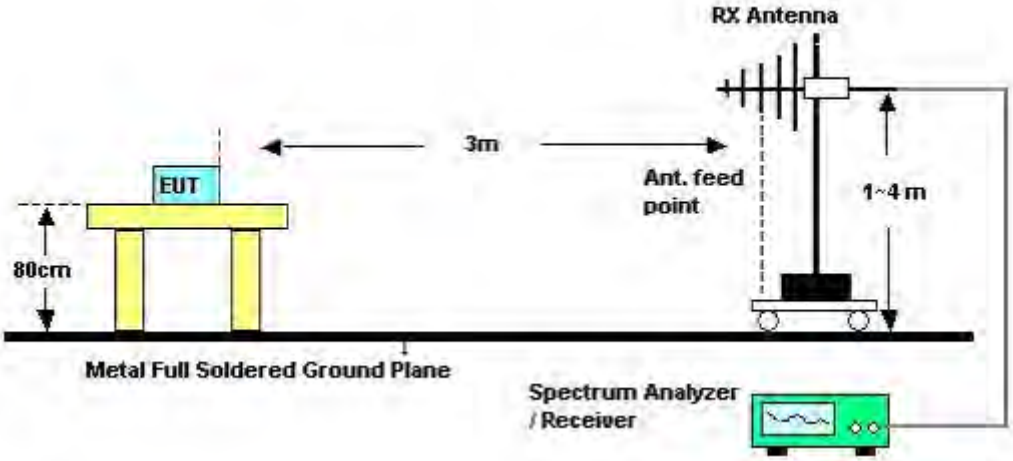
Emissions in Restricted Frequency Bands / Unintentional
9kHz ~30MHz

30MHz~1GHz


Emissions in Restricted Frequency Bands / Intentional

9kHz ~30MHz

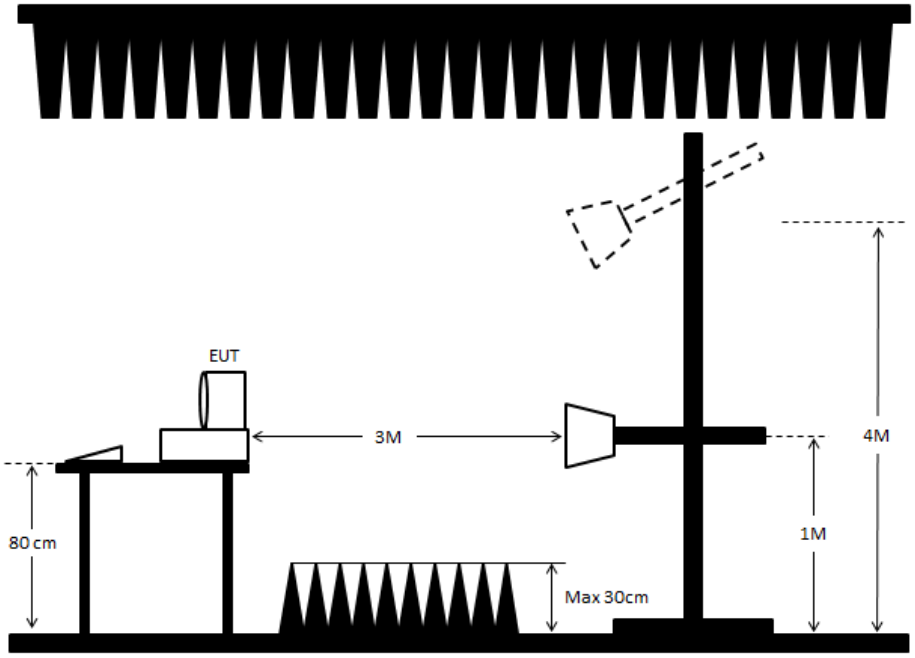


30MHz~1GHz

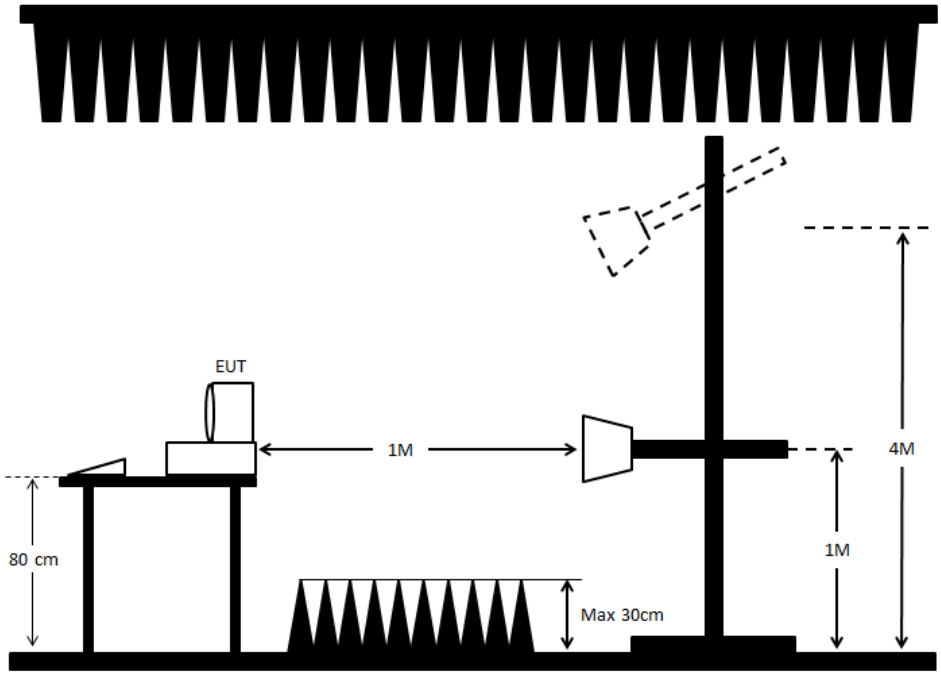


Above 1GHz / Unintentional

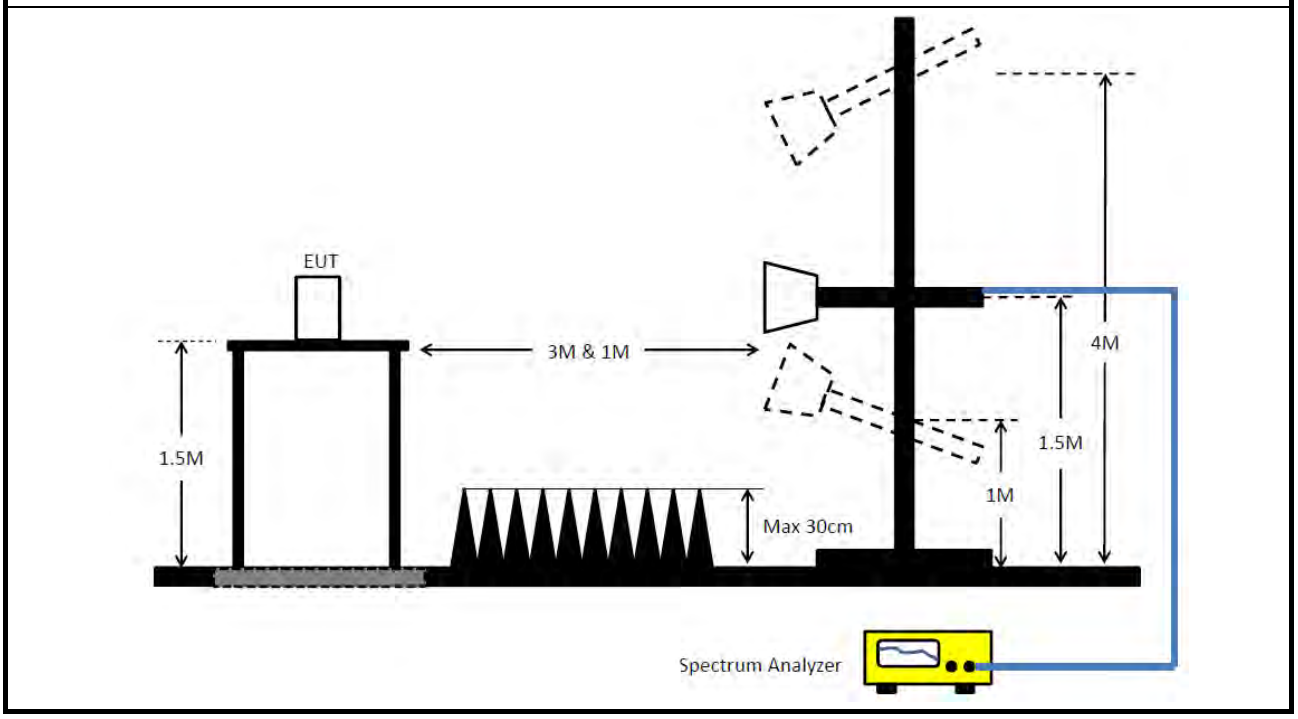
1,000~18,000 MHz



18,000~30,000 MHz



Above 1GHz / Intentional



3.6.5 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor (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 10 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	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Feb. 26, 2020	Feb. 25, 2021	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 25, 2019	Dec. 24, 2020	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Feb. 25, 2020	Feb. 24, 2021	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Jan. 31, 2020	Jan. 30, 2021	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 20, 2020	May 19, 2021	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 13, 2020	Apr. 12, 2021	Radiation (10CH01-CB)
10m Semi Anechoic Chamber	TDK	NSA	10CH01-CB	30MHz~1GHz 10m,3m	Jan. 30, 2020	Jan. 29, 2021	Radiation (10CH01-CB)
10m Semi Anechoic Chamber	TDK	VSWR	10CH01-CB	1GHz ~18GHz 3m	Mar. 13, 2020	Mar. 12, 2021	Radiation (10CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10783	9kHz ~ 1.3GHz	Mar. 19, 2020	Mar. 18, 2021	Radiation (10CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10784	9kHz ~ 1.3GHz	Mar. 11, 2020	Mar. 10, 2021	Radiation (10CH01-CB)
Low Cable	Woken	SUCOFLEX 104	low cable-01	25MHz ~ 1GHz	Oct. 21, 2019	Oct. 20, 2020	Radiation (10CH01-CB)
High Cable	Woken	SUCOFLEX 104	low cable-02	25MHz ~ 1GHz	Oct. 21, 2019	Oct. 20, 2020	Radiation (10CH01-CB)
Biconical Antenna	Schwarzbeck	VHBB 9124	324	30MHz ~ 200MHz	Apr. 20, 2020	Apr. 19, 2021	Radiation (10CH01-CB)
Log Antenna	Schwarzbeck	VUSLP 9111	247	200MHz ~ 1GHz	May 25, 2020	May 24, 2021	Radiation (10CH01-CB)
EMI Test Receiver	Rohde&Schwarz	ESCI	100186	9kHz ~ 3GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (10CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Apr. 16, 2020	Apr. 15, 2021	Radiation (10CH01-CB)
Horn Antenna	ESCO	3117	00081283	1GHz ~ 18GHz	Nov. 27, 2019	Nov. 26, 2020	Radiation (10CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (10CH01-CB)
Amplifier	Agilent	8449B	3008A02660	1GHz ~ 26.5GHz	May 21, 2020	May 20, 2021	Radiation (10CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (10CH01-CB)
CABLE (1~40G)	Woken	SUCOFLEX 104	high cable-01	1GHz ~ 40GHz	Oct. 21, 2019	Oct. 20, 2020	Radiation (10CH01-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Software	Audix	E3	6.120210m	-	N.C.R.	N.C.R.	Radiation (10CH01-CB)
Horn Antenna	ETS-LINDGREN	3115	00075790	750MHz ~ 18GHz	Nov. 04, 2019	Nov. 03, 2020	Radiation (03CH01-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 11, 2020	Jun. 10, 2021	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 08, 2020	Jan. 07, 2021	Radiation (03CH01-CB)
Amplifier	-	-	TF-130N-R1	18GHz ~ 40GHz	Jun. 19, 2020	Jun. 18, 2021	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Apr. 16, 2020	Apr. 15, 2021	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH01-CB)
Horn Antenna	ETS・Lindgren	3115	6821	750MHz~18GHz	Jan. 20, 2020	Jan. 19, 2021	Radiation (03CH03-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 11, 2020	Jun. 10, 2021	Radiation (03CH03-CB)
Pre-Amplifier	EMCI	EMC12630SE	980383	1GHz ~ 26.5GHz	Aug. 02, 2019	Aug. 01, 2020	Radiation (03CH03-CB)
Amplifier	-	-	TF-130N-R1	18GHz ~ 40GHz	Jun. 19, 2020	Jun. 18, 2021	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 09, 2020	Jun. 08, 2021	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+27(spare)	1GHz ~ 18GHz	Jul. 03, 2020	Jun. 02, 2021	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-27(spare)	1GHz ~ 18GHz	Jul. 03, 2020	Jun. 02, 2021	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH03-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Nov. 01, 2019	Oct. 31, 2020	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1726195	300MHz~40GHz	Aug. 13, 2019	Aug. 12, 2020	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Aug. 13, 2019	Aug. 12, 2020	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-11	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-12	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-13	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH03-CB)

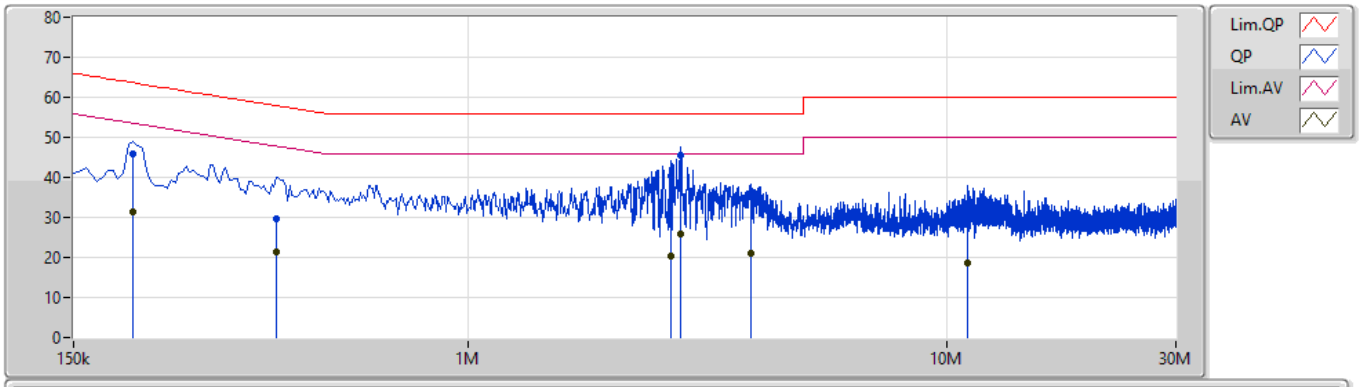
Note: Calibration Interval of instruments listed above is one year.
N.C.R. means Non-Calibration required.

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition
Mode 4	Pass	QP	2.783M	45.41	56.00	-10.59	9.99	Line

Mode 4

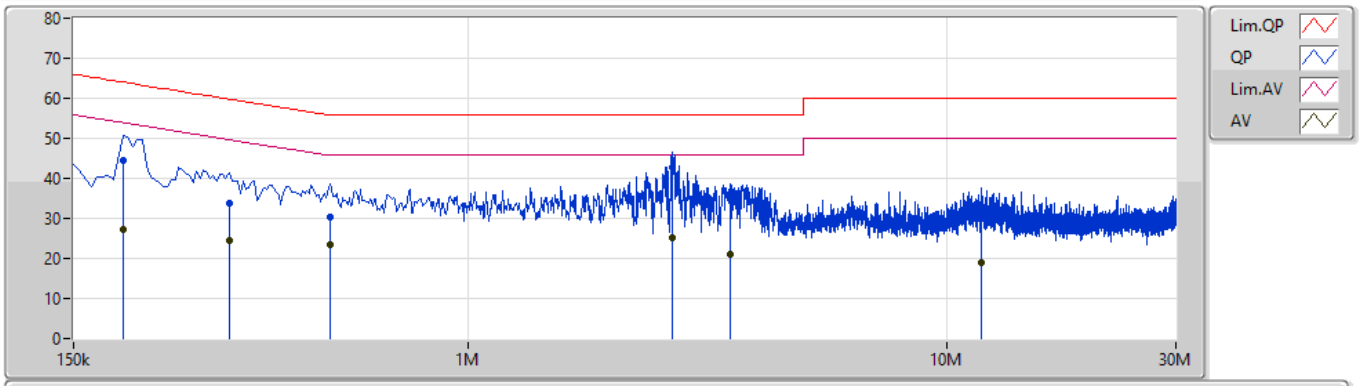
04/08/2020



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	199.5k	45.88	63.63	-17.75	9.86	Line	-	36.02	0.04	0.03	9.79
AV	199.5k	31.44	53.63	-22.19	9.86	Line	-	21.58	0.04	0.03	9.79
QP	397.5k	29.65	57.91	-28.26	9.88	Line	-	19.77	0.04	0.03	9.81
AV	397.5k	21.50	47.91	-26.41	9.88	Line	-	11.62	0.04	0.03	9.81
QP	2.643M	40.41	56.00	-15.59	9.98	Line	-	30.43	0.07	0.09	9.82
AV	2.643M	20.39	46.00	-25.61	9.98	Line	-	10.41	0.07	0.09	9.82
QP	2.783M	45.41	56.00	-10.59	9.99	Line	"Worst"	35.42	0.07	0.10	9.82
AV	2.783M	25.91	46.00	-20.09	9.99	Line	-	15.92	0.07	0.10	9.82
QP	3.899M	35.34	56.00	-20.66	10.03	Line	-	25.31	0.09	0.13	9.81
AV	3.899M	21.03	46.00	-24.97	10.03	Line	-	11.00	0.09	0.13	9.81
QP	11.022M	30.00	60.00	-30.00	10.27	Line	-	19.73	0.18	0.17	9.92
AV	11.022M	18.63	50.00	-31.37	10.27	Line	-	8.36	0.18	0.17	9.92

Mode 4

04/08/2020



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	190.5k	44.39	64.01	-19.62	9.86	Neutral	-	34.53	0.04	0.03	9.79
AV	190.5k	27.14	54.01	-26.87	9.86	Neutral	-	17.28	0.04	0.03	9.79
QP	316.5k	33.69	59.80	-26.11	9.87	Neutral	-	23.82	0.04	0.03	9.80
AV	316.5k	24.54	49.80	-25.26	9.87	Neutral	-	14.67	0.04	0.03	9.80
QP	514.5k	30.21	56.00	-25.79	9.89	Neutral	-	20.32	0.05	0.03	9.81
AV	514.5k	23.51	46.00	-22.49	9.89	Neutral	-	13.62	0.05	0.03	9.81
QP	2.661M	42.60	56.00	-13.40	9.99	Neutral	"Worst"	32.61	0.08	0.09	9.82
AV	2.661M	25.08	46.00	-20.92	9.99	Neutral	-	15.09	0.08	0.09	9.82
QP	3.534M	34.99	56.00	-21.01	10.02	Neutral	-	24.97	0.09	0.12	9.81
AV	3.534M	21.04	46.00	-24.96	10.02	Neutral	-	11.02	0.09	0.12	9.81
QP	11.783M	30.52	60.00	-29.48	10.28	Neutral	-	20.24	0.18	0.18	9.92
AV	11.783M	18.81	50.00	-31.19	10.28	Neutral	-	8.53	0.18	0.18	9.92

For EUT 1 / Radio 2_Non-Beamforming Mode
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_4TX	8.05M	15.617M	15M6G1D	6.525M	11.594M
802.11g_Nss1,(6Mbps)_4TX	16.35M	22.364M	22M4D1D	15.925M	16.642M
802.11ax HEW20_Nss1,(MCS0)_4TX	18.925M	19.915M	19M9D1D	18.65M	18.966M
802.11ax HEW40_Nss1,(MCS0)_4TX	37.55M	37.681M	37M7D1D	35.55M	37.281M

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;

For EUT 1 / Radio 2_Non-Beamforming Mode
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	7.025M	12.544M	7.5M	12.744M	6.55M	12.319M	7.025M	12.294M
2437MHz	Pass	500k	8.05M	13.718M	6.575M	15.617M	7.55M	13.943M	6.55M	13.068M
2462MHz	Pass	500k	7.025M	11.619M	7.55M	11.744M	6.525M	11.644M	7.05M	11.594M
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	15.925M	16.742M	16.325M	16.792M	16.3M	16.642M	16.35M	16.817M
2437MHz	Pass	500k	16.325M	22.364M	16.325M	21.814M	16.3M	21.314M	16.35M	21.939M
2462MHz	Pass	500k	16.325M	16.767M	16.325M	16.742M	16.3M	16.667M	16.325M	16.767M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	18.675M	18.966M	18.925M	19.04M	18.775M	19.065M	18.85M	19.09M
2437MHz	Pass	500k	18.675M	19.715M	18.725M	19.69M	18.65M	19.665M	18.85M	19.915M
2462MHz	Pass	500k	18.825M	18.991M	18.875M	19.015M	18.9M	19.065M	18.85M	19.065M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	36.05M	37.281M	37.4M	37.581M	35.55M	37.431M	37.45M	37.481M
2437MHz	Pass	500k	36.75M	37.581M	37M	37.681M	37.4M	37.681M	36.7M	37.431M
2452MHz	Pass	500k	37.55M	37.631M	35.95M	37.431M	36.6M	37.581M	36.8M	37.531M

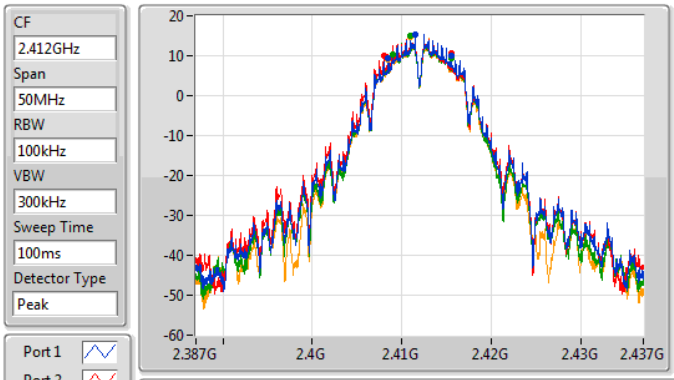
Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

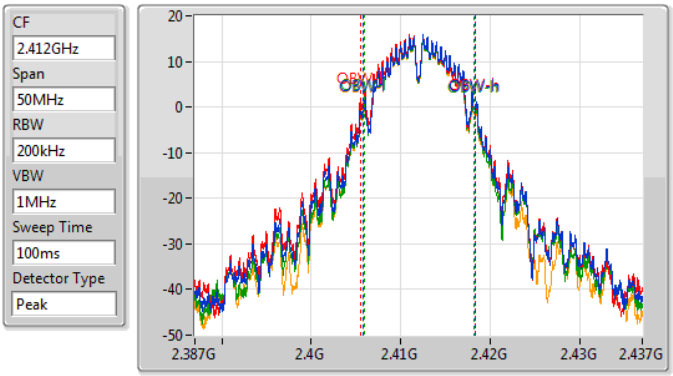
For EUT 1 / Radio 2_Non-Beamforming Mode

802.11b_Nss1,(1Mbps)_4TX EBW

2412MHz

08/07/2020



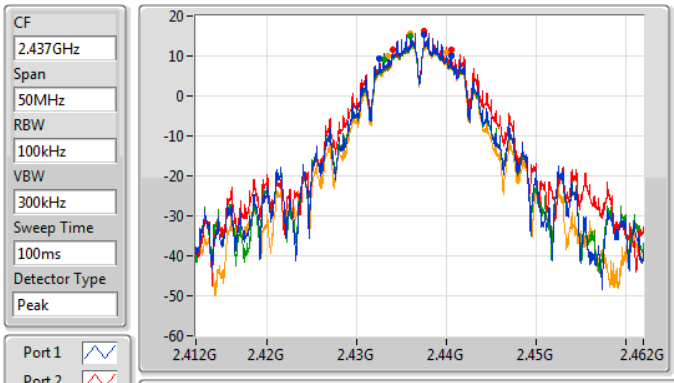


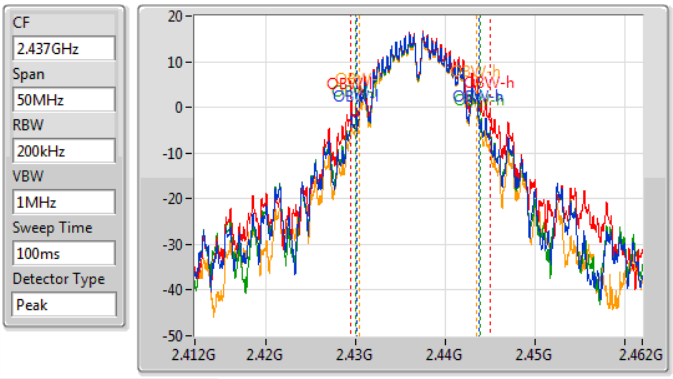
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.025M	2.4085G	2.415525G	12.544M	2.405803G	2.418347G	500k	1
7.5M	2.408G	2.4155G	12.744M	2.405553G	2.418297G	500k	2
6.55M	2.408975G	2.415525G	12.319M	2.405878G	2.418197G	500k	3
7.025M	2.408475G	2.4155G	12.294M	2.405853G	2.418147G	500k	4

802.11b_Nss1,(1Mbps)_4TX EBW

2437MHz

08/07/2020





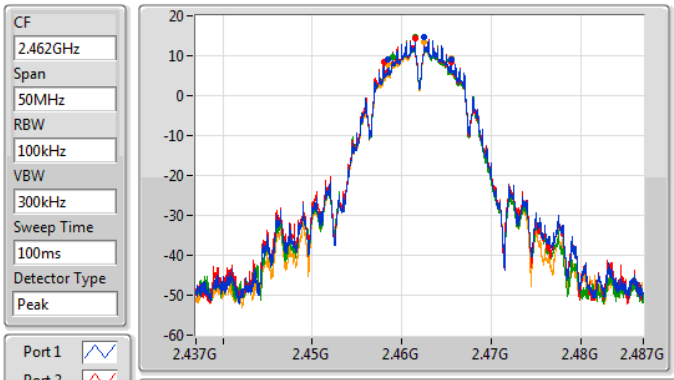
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.05M	2.432475G	2.440525G	13.718M	2.430078G	2.443797G	500k	1
6.575M	2.43395G	2.440525G	15.617M	2.429404G	2.445021G	500k	2
7.55M	2.432975G	2.440525G	13.943M	2.429954G	2.443897G	500k	3
6.55M	2.433475G	2.440025G	13.068M	2.430453G	2.443522G	500k	4

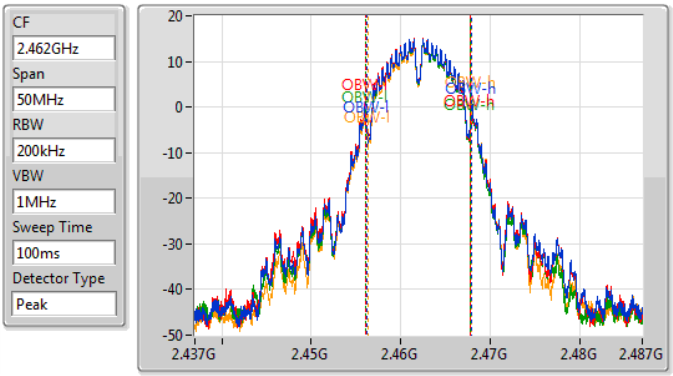
For EUT 1 / Radio 2_Non-Beamforming Mode

802.11b_Nss1,(1Mbps)_4TX EBW

2462MHz

08/07/2020



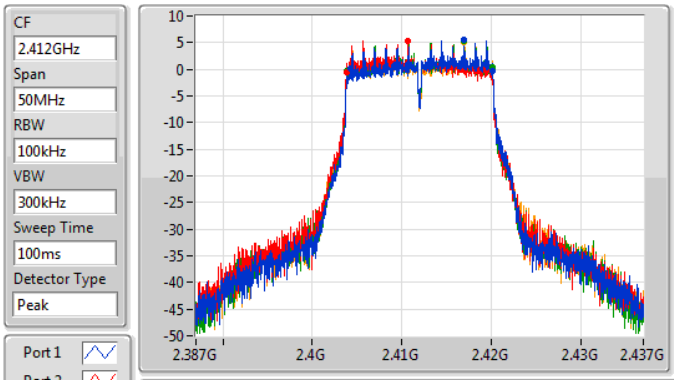


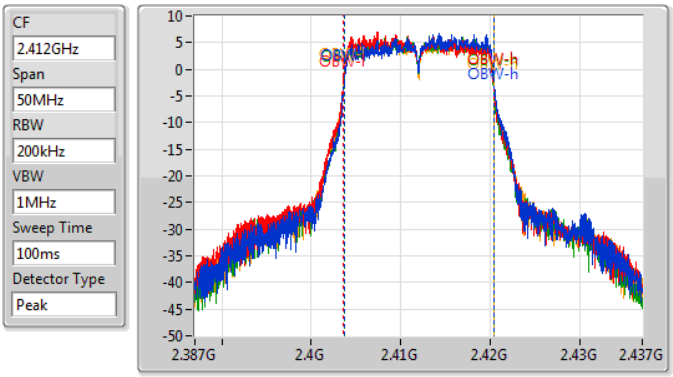
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.025M	2.4585G	2.465525G	11.619M	2.456278G	2.467897G	500k	1
7.55M	2.457975G	2.465525G	11.744M	2.456078G	2.467822G	500k	2
6.525M	2.45895G	2.465475G	11.644M	2.456128G	2.467772G	500k	3
7.05M	2.458475G	2.465525G	11.594M	2.456353G	2.467947G	500k	4

802.11g_Nss1,(6Mbps)_4TX EBW

2412MHz

08/07/2020





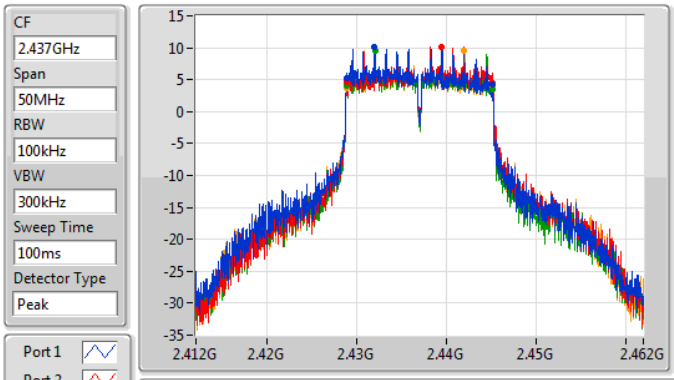
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.925M	2.40425G	2.420175G	16.742M	2.403754G	2.420496G	500k	1
16.325M	2.403825G	2.42015G	16.792M	2.403604G	2.420396G	500k	2
16.3M	2.40385G	2.42015G	16.642M	2.403729G	2.420371G	500k	3
16.35M	2.403825G	2.420175G	16.817M	2.403629G	2.420446G	500k	4

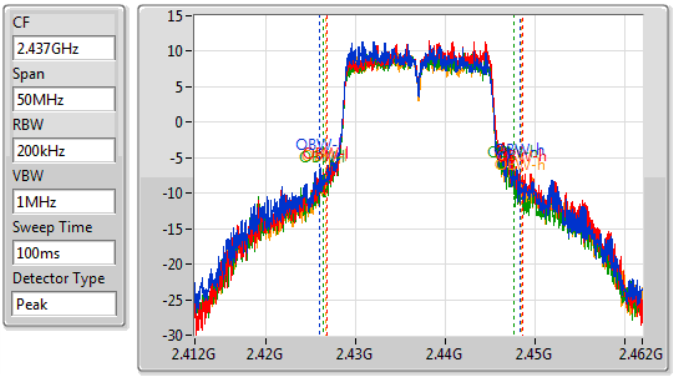
For EUT 1 / Radio 2_Non-Beamforming Mode

802.11g_Nss1,(6Mbps)_4TX EBW

2437MHz

08/07/2020



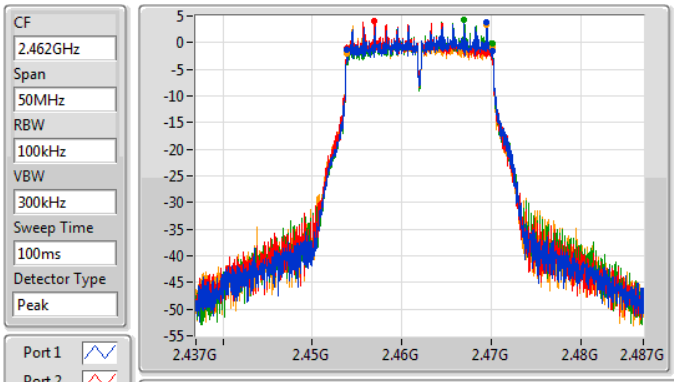


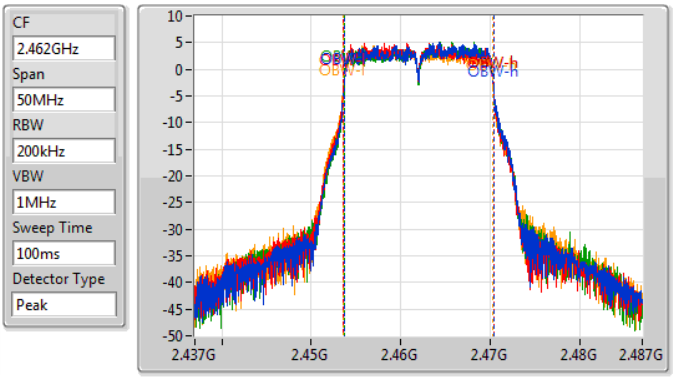
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.428825G	2.44515G	22.364M	2.425931G	2.448294G	500k	1
16.325M	2.42885G	2.445175G	21.814M	2.426805G	2.448619G	500k	2
16.3M	2.42885G	2.44515G	21.314M	2.426355G	2.44767G	500k	3
16.35M	2.428825G	2.445175G	21.939M	2.42658G	2.448519G	500k	4

802.11g_Nss1,(6Mbps)_4TX EBW

2462MHz

08/07/2020





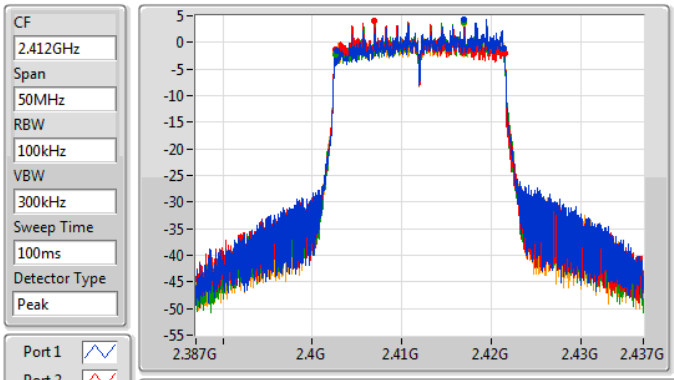
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.45385G	2.470175G	16.767M	2.453704G	2.470471G	500k	1
16.325M	2.453825G	2.47015G	16.742M	2.453629G	2.470371G	500k	2
16.3M	2.45385G	2.47015G	16.667M	2.453754G	2.470421G	500k	3
16.325M	2.453825G	2.47015G	16.767M	2.453579G	2.470346G	500k	4

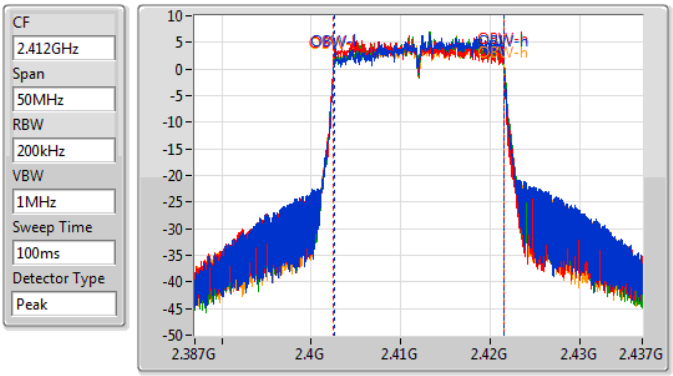
For EUT 1 / Radio 2_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

2412MHz

08/07/2020



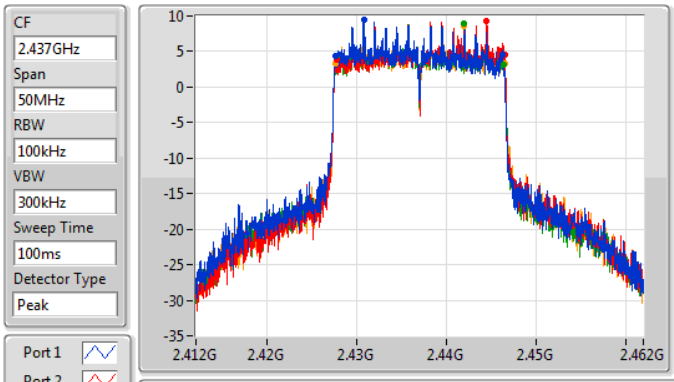


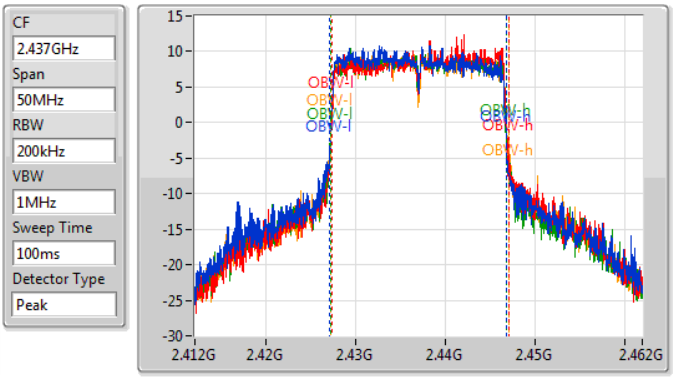
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.675M	2.402775G	2.42145G	18.966M	2.402555G	2.42152G	500k	1
18.925M	2.40255G	2.421475G	19.04M	2.40248G	2.42152G	500k	2
18.775M	2.40265G	2.421425G	19.065M	2.40253G	2.421595G	500k	3
18.85M	2.402625G	2.421475G	19.09M	2.402505G	2.421595G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

2437MHz

08/07/2020





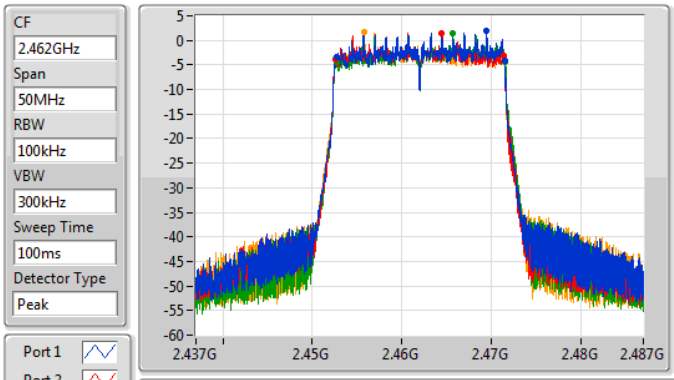
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.675M	2.4276G	2.446275G	19.715M	2.42708G	2.446795G	500k	1
18.725M	2.42775G	2.446475G	19.69M	2.427355G	2.447045G	500k	2
18.65M	2.4278G	2.44645G	19.665M	2.427205G	2.44687G	500k	3
18.85M	2.427625G	2.446475G	19.915M	2.42723G	2.447145G	500k	4

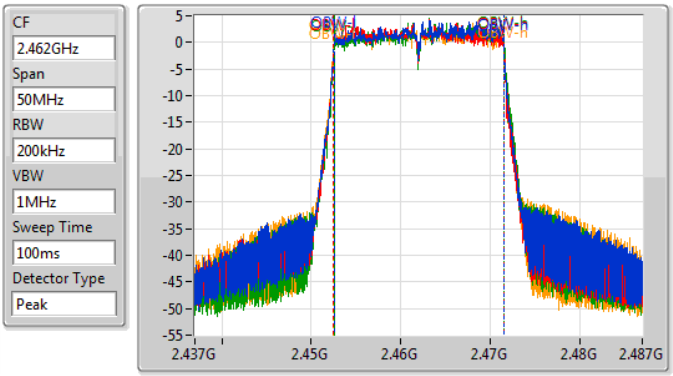
For EUT 1 / Radio 2_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

2462MHz

08/07/2020



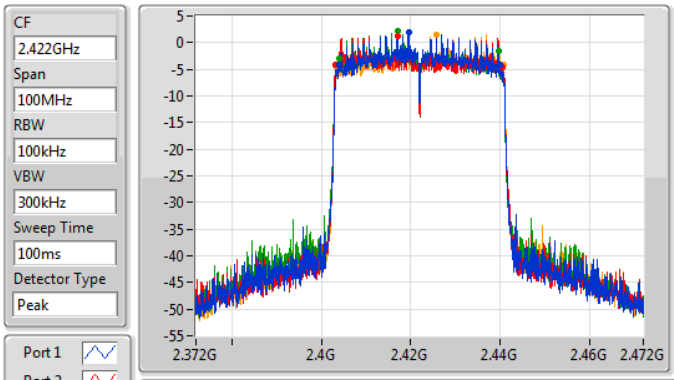


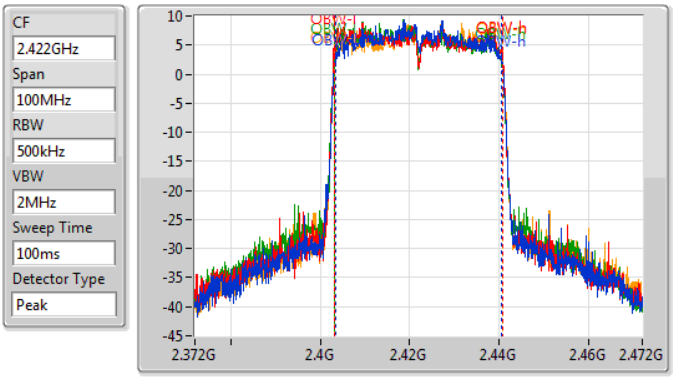
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.825M	2.452675G	2.4715G	18.991M	2.45253G	2.47152G	500k	1
18.875M	2.452575G	2.47145G	19.015M	2.452505G	2.47152G	500k	2
18.9M	2.452675G	2.471575G	19.065M	2.45253G	2.471595G	500k	3
18.85M	2.452575G	2.471425G	19.065M	2.452455G	2.47152G	500k	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

2422MHz

08/07/2020





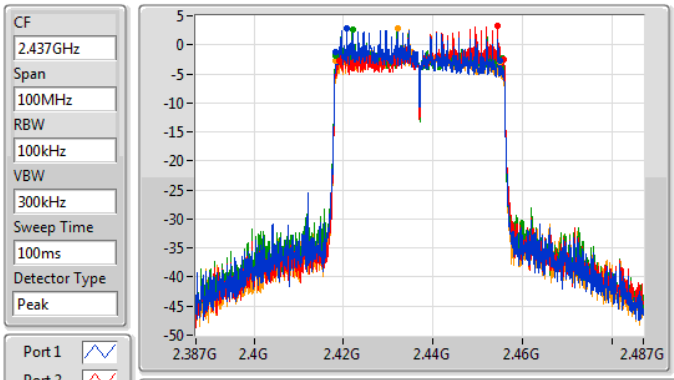
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.05M	2.4039G	2.43995G	37.281M	2.403359G	2.440641G	500k	1
37.4M	2.4032G	2.4406G	37.581M	2.403159G	2.440741G	500k	2
35.55M	2.404G	2.43955G	37.431M	2.403209G	2.440641G	500k	3
37.45M	2.40325G	2.4407G	37.481M	2.403259G	2.440741G	500k	4

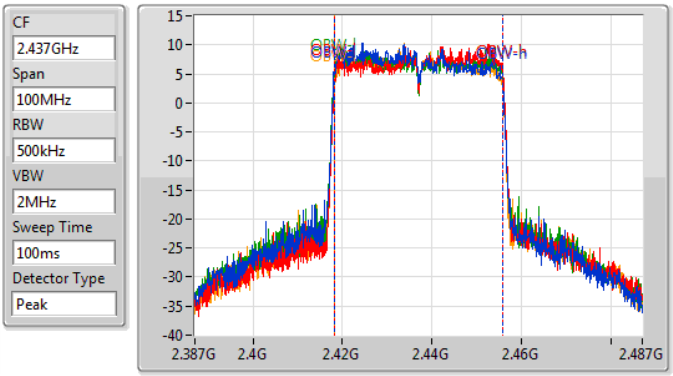
For EUT 1 / Radio 2_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

2437MHz

08/07/2020



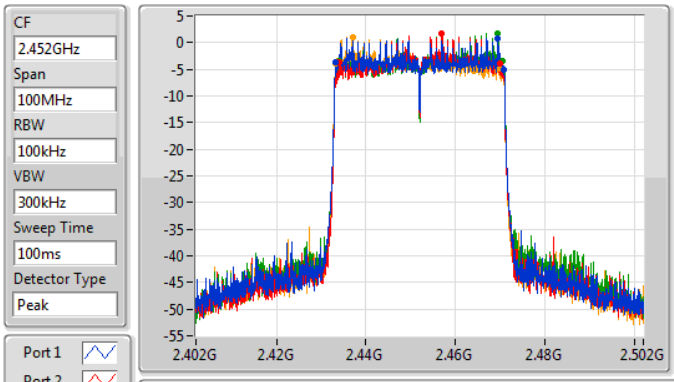


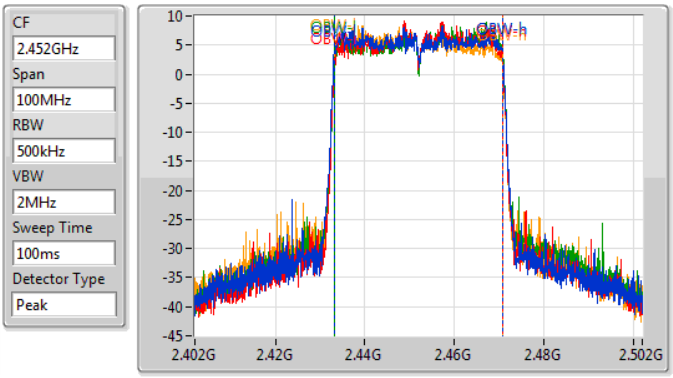
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.75M	2.4182G	2.45495G	37.581M	2.418109G	2.455691G	500k	1
37M	2.4189G	2.4559G	37.681M	2.418209G	2.455891G	500k	2
37.4M	2.4182G	2.4556G	37.681M	2.418109G	2.455791G	500k	3
36.7M	2.41825G	2.45495G	37.431M	2.418259G	2.455691G	500k	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

2452MHz

08/07/2020





6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.55M	2.43325G	2.4708G	37.631M	2.433159G	2.470791G	500k	1
35.95M	2.434G	2.46995G	37.431M	2.433309G	2.470741G	500k	2
36.6M	2.434G	2.4706G	37.581M	2.433259G	2.470841G	500k	3
36.8M	2.4332G	2.47G	37.531M	2.433159G	2.470691G	500k	4

For EUT 1 / Radio 3_Non-Beamforming Mode
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	9M	17.116M	17M1G1D	7M	12.269M
802.11g_Nss1,(6Mbps)_2TX	16.35M	26.687M	26M7D1D	16.3M	16.692M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.975M	27.061M	27M1D1D	18.45M	18.991M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.65M	37.681M	37M7D1D	36.85M	37.381M

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;

For EUT 1 / Radio 3_Non-Beamforming Mode
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	7.525M	12.369M	7.5M	12.344M
2437MHz	Pass	500k	8.525M	17.116M	9M	15.167M
2462MHz	Pass	500k	7M	12.594M	7.525M	12.269M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.35M	16.792M	16.35M	16.717M
2437MHz	Pass	500k	16.325M	26.687M	16.3M	26.662M
2462MHz	Pass	500k	16.325M	16.742M	16.325M	16.692M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.975M	19.115M	18.95M	19.14M
2437MHz	Pass	500k	18.45M	27.061M	18.675M	26.537M
2462MHz	Pass	500k	18.9M	18.991M	18.95M	19.04M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.65M	37.681M	36.85M	37.631M
2437MHz	Pass	500k	36.95M	37.681M	36.9M	37.581M
2452MHz	Pass	500k	36.95M	37.431M	37.3M	37.381M

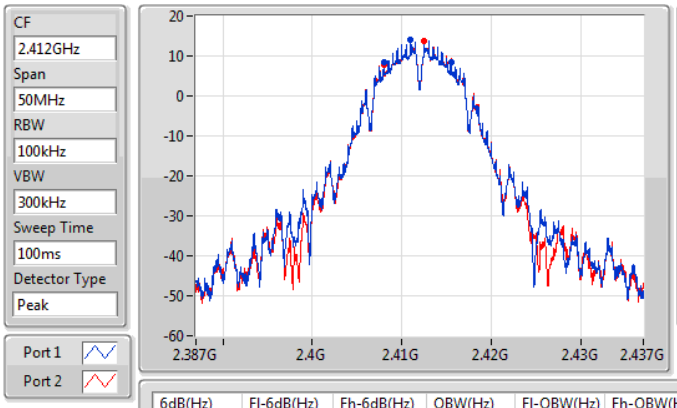
Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

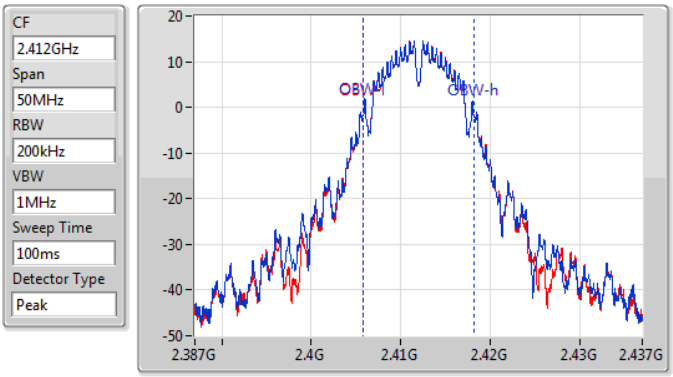
For EUT 1 / Radio 3_Non-Beamforming Mode

802.11b_Nss1,(1Mbps)_2TX EBW

2412MHz

08/07/2020



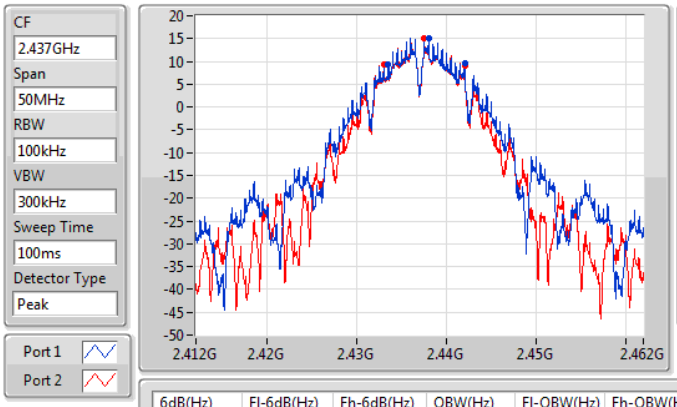


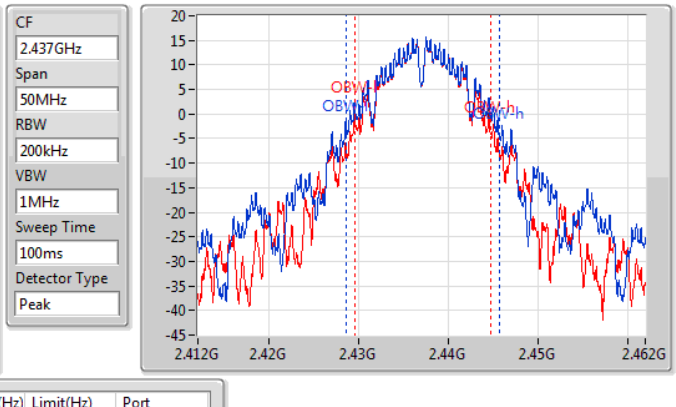
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.525M	2.408025G	2.41555G	12.369M	2.405778G	2.418147G	500k	1
7.5M	2.408025G	2.415525G	12.344M	2.405803G	2.418147G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2437MHz

08/07/2020





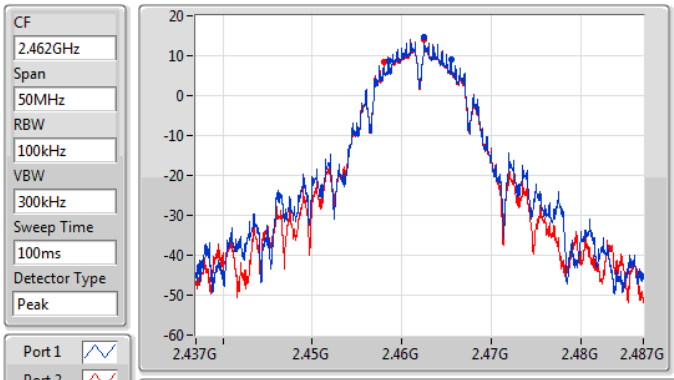
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.525M	2.4335G	2.442025G	17.116M	2.428604G	2.445721G	500k	1
9M	2.433025G	2.442025G	15.167M	2.429504G	2.444671G	500k	2

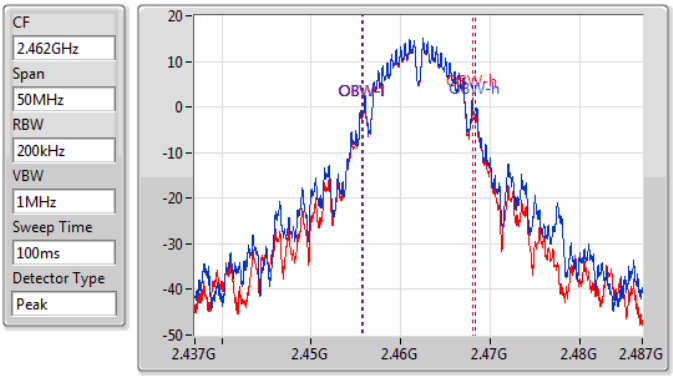
For EUT 1 / Radio 3_Non-Beamforming Mode

802.11b_Nss1,(1Mbps)_2TX EBW

2462MHz

08/07/2020



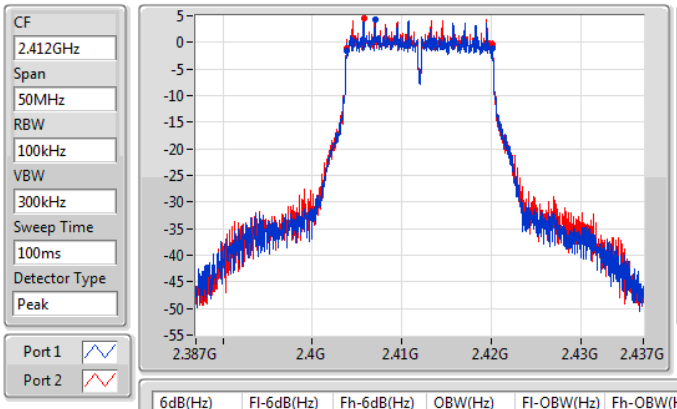


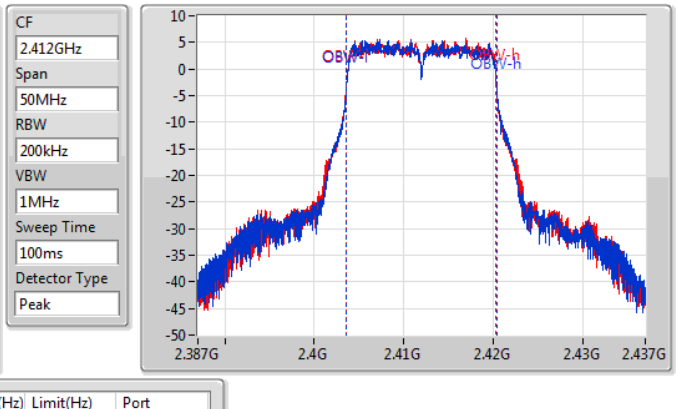
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7M	2.458525G	2.465525G	12.594M	2.455678G	2.468272G	500k	1
7.525M	2.458G	2.465525G	12.269M	2.455803G	2.468072G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2412MHz

08/07/2020





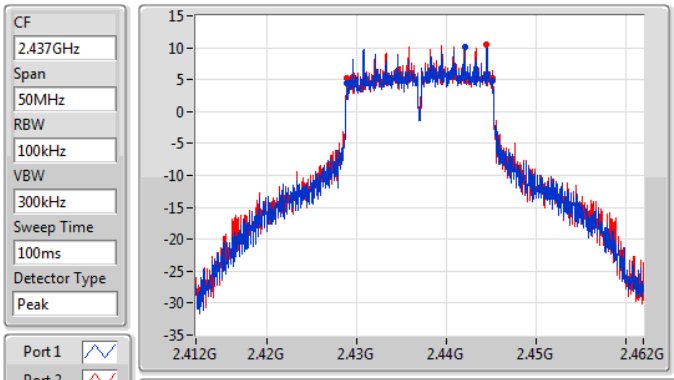
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.403825G	2.420175G	16.792M	2.403629G	2.420421G	500k	1
16.35M	2.403825G	2.420175G	16.717M	2.403629G	2.420346G	500k	2

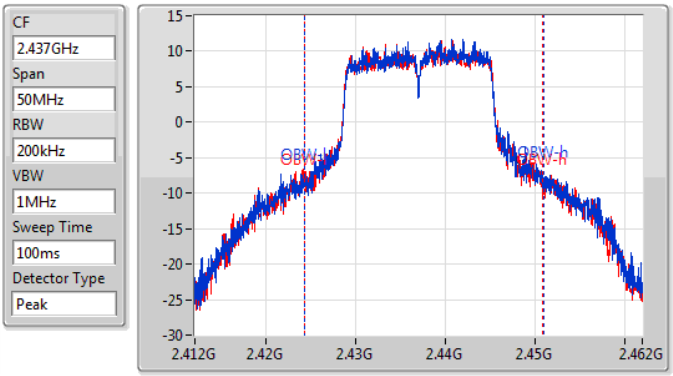
For EUT 1 / Radio 3_Non-Beamforming Mode

802.11g_Nss1,(6Mbps)_2TX EBW

2437MHz

08/07/2020



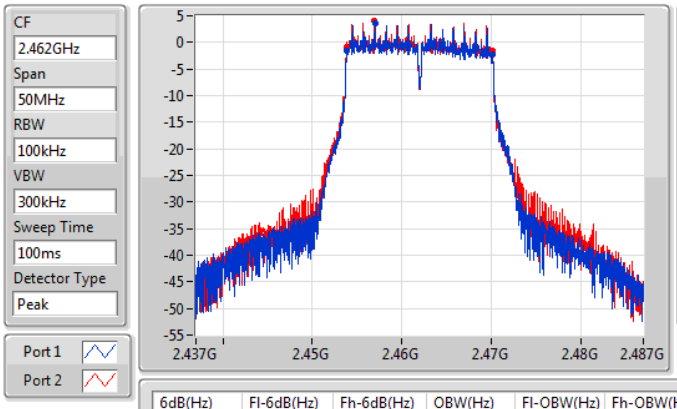


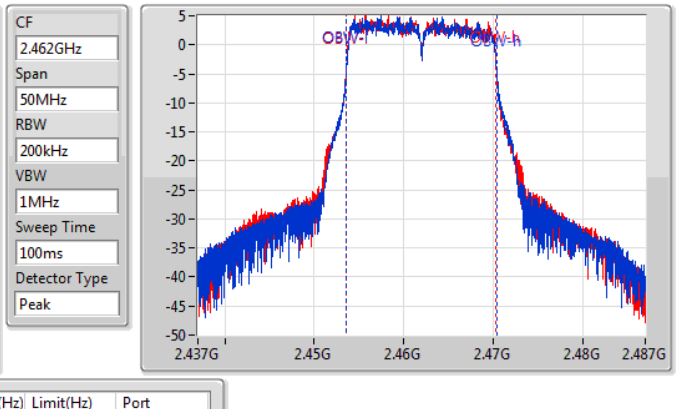
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.42885G	2.445175G	26.687M	2.424256G	2.450943G	500k	1
16.3M	2.428875G	2.445175G	26.662M	2.424206G	2.450868G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2462MHz

08/07/2020





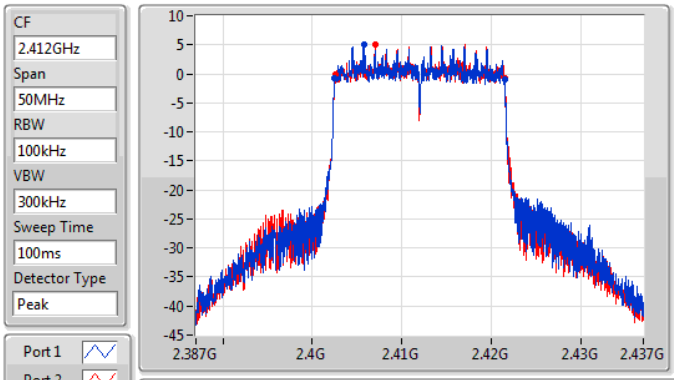
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.45385G	2.470175G	16.742M	2.453629G	2.470371G	500k	1
16.325M	2.45385G	2.470175G	16.692M	2.453629G	2.470321G	500k	2

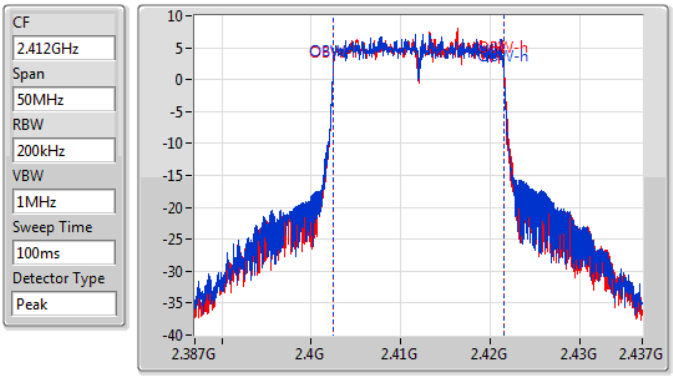
For EUT 1 / Radio 3_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

2412MHz

08/07/2020



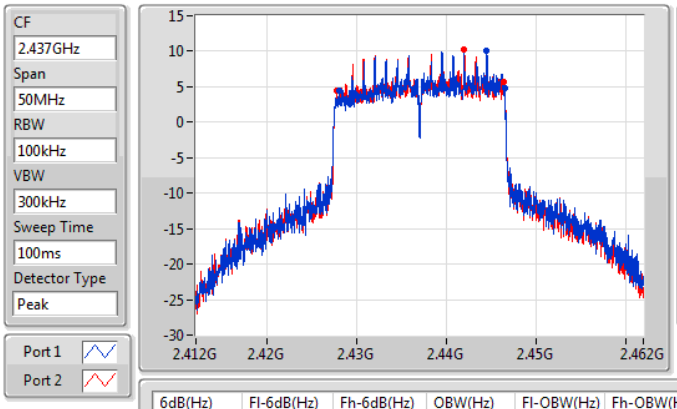


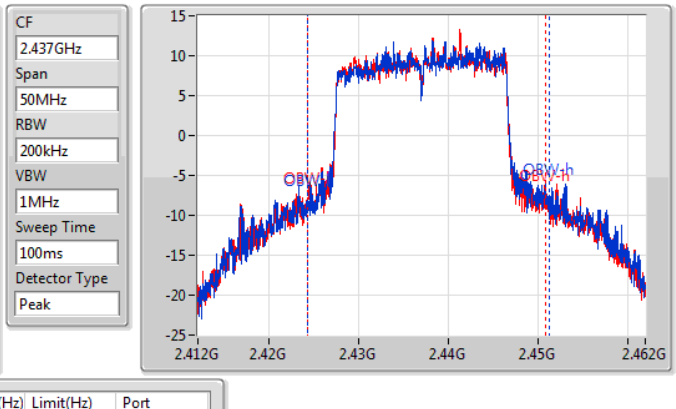
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.4025G	2.421475G	19.115M	2.40243G	2.421545G	500k	1
18.95M	2.40255G	2.4215G	19.14M	2.402455G	2.421595G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

2437MHz

08/07/2020





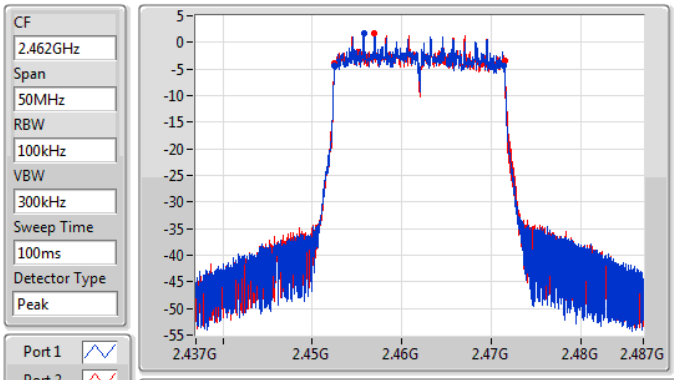
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.45M	2.42805G	2.4465G	27.061M	2.424256G	2.451318G	500k	1
18.675M	2.427775G	2.44645G	26.537M	2.424256G	2.450793G	500k	2

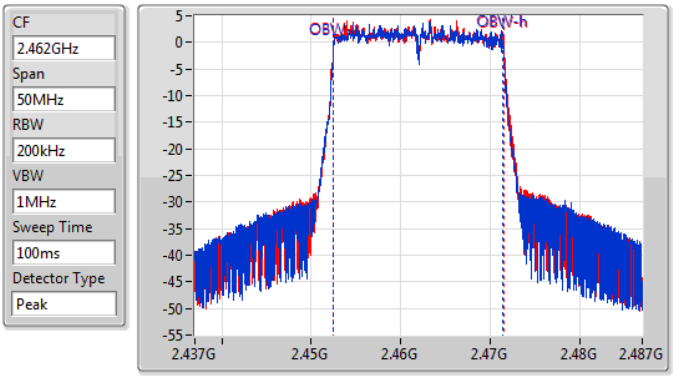
For EUT 1 / Radio 3_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

2462MHz

08/07/2020



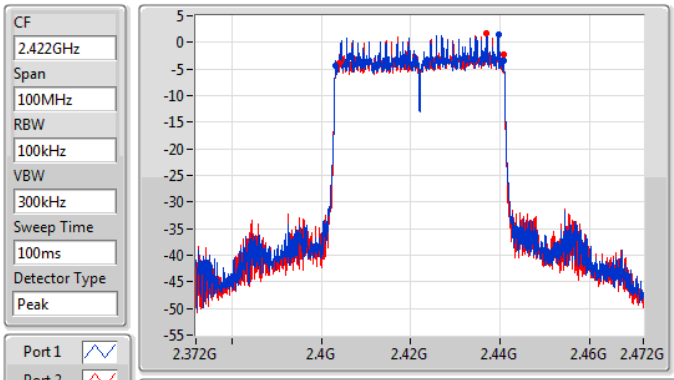


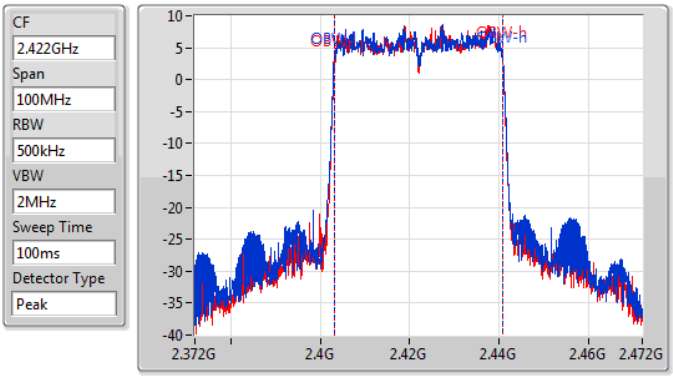
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.9M	2.4525G	2.4714G	18.991M	2.45248G	2.47147G	500k	1
18.95M	2.452525G	2.471475G	19.04M	2.45248G	2.47152G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

2422MHz

08/07/2020





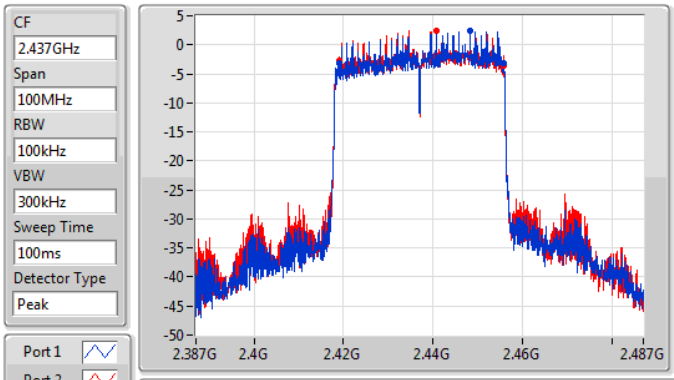
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.65M	2.4032G	2.44085G	37.681M	2.403159G	2.440841G	500k	1
36.85M	2.40395G	2.4408G	37.631M	2.403209G	2.440841G	500k	2

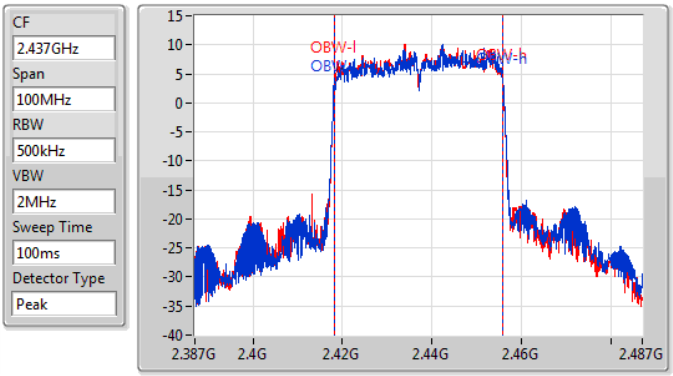
For EUT 1 / Radio 3_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

2437MHz

08/07/2020



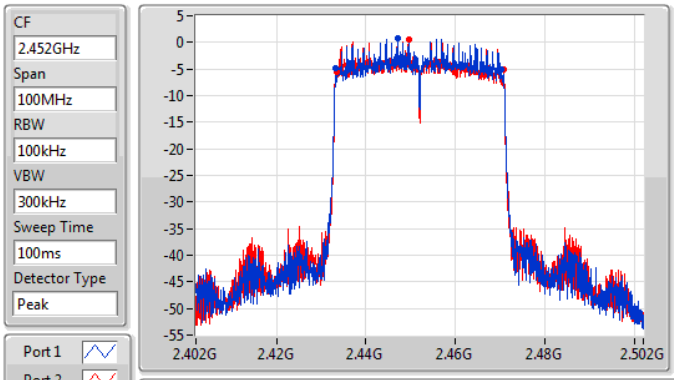


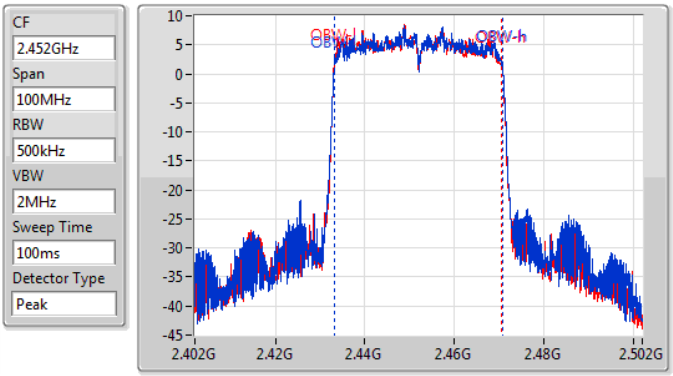
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.95M	2.4189G	2.45585G	37.681M	2.418209G	2.455891G	500k	1
36.9M	2.41895G	2.45585G	37.581M	2.418259G	2.455841G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

2452MHz

08/07/2020





6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.95M	2.43325G	2.4702G	37.431M	2.433259G	2.470691G	500k	1
37.3M	2.4335G	2.4708G	37.381M	2.433259G	2.470641G	500k	2

For EUT 2 / Radio 2 / External Ant.1_Non-Beamforming Mode
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_4TX	7.525M	15.392M	15M4G1D	6.075M	10.995M
802.11g_Nss1,(6Mbps)_4TX	16.35M	21.514M	21M5D1D	16.05M	16.617M
802.11ax HEW20_Nss1,(MCS0)_4TX	18.975M	22.214M	22M2D1D	18.35M	18.966M
802.11ax HEW40_Nss1,(MCS0)_4TX	37.55M	37.731M	37M7D1D	35.55M	37.281M

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;

For EUT 2 / Radio 2 / External Ant.1_Non-Beamforming Mode
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	7.5M	11.619M	7.525M	11.894M	7.5M	11.944M	7.05M	11.844M
2437MHz	Pass	500k	6.55M	13.743M	7M	15.392M	7.025M	13.793M	7.075M	13.193M
2462MHz	Pass	500k	7.075M	11.269M	6.075M	10.995M	7.525M	11.444M	7.05M	11.244M
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	16.05M	16.717M	16.325M	16.742M	16.35M	16.792M	16.325M	16.617M
2437MHz	Pass	500k	16.3M	21.389M	16.35M	21.039M	16.325M	19.715M	16.35M	21.514M
2462MHz	Pass	500k	16.35M	16.792M	16.325M	16.717M	16.35M	16.792M	16.3M	16.667M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	18.625M	18.966M	18.925M	19.015M	18.75M	19.09M	18.7M	19.04M
2437MHz	Pass	500k	18.75M	20.915M	18.85M	21.214M	18.725M	20.14M	18.925M	22.214M
2462MHz	Pass	500k	18.975M	19.015M	18.9M	18.991M	18.975M	19.09M	18.35M	19.065M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	35.55M	37.281M	37.15M	37.581M	36.25M	37.481M	35.55M	37.381M
2437MHz	Pass	500k	36.75M	37.581M	36.75M	37.681M	36.9M	37.431M	37.55M	37.731M
2452MHz	Pass	500k	37.5M	37.631M	36.1M	37.381M	37.45M	37.581M	36.6M	37.581M

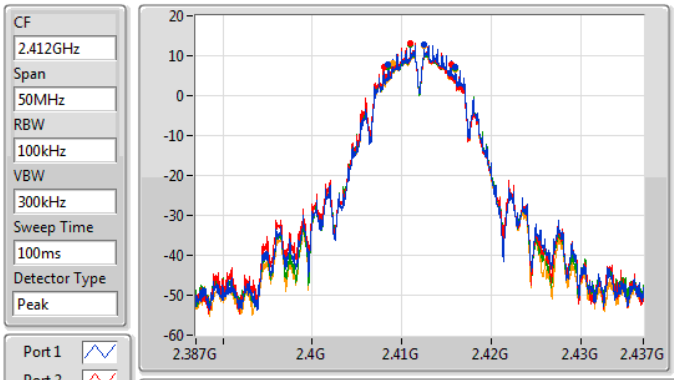
Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

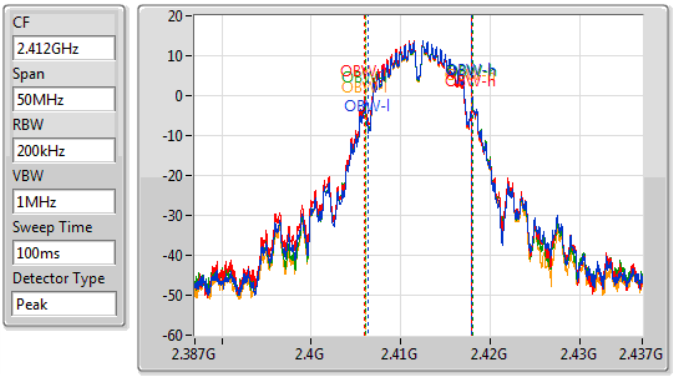
For EUT 2 / Radio 2 / External Ant.1_Non-Beamforming Mode

802.11b_Nss1,(1Mbps)_4TX EBW

2412MHz

10/07/2020



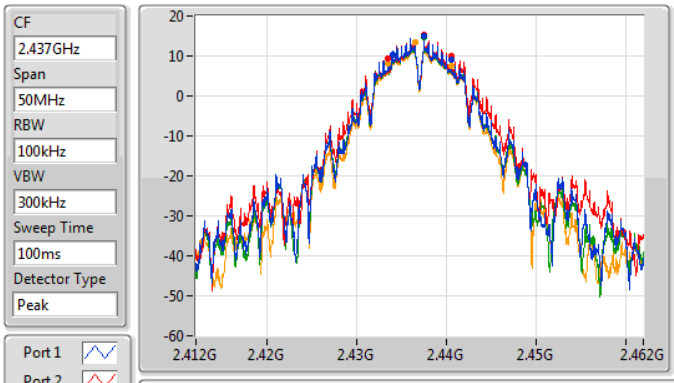


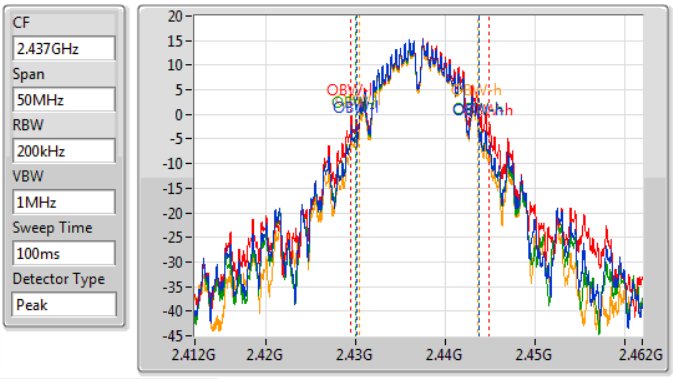
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.5M	2.4085G	2.416G	11.619M	2.406353G	2.417972G	500k	1
7.525M	2.407975G	2.4155G	11.894M	2.406003G	2.417897G	500k	2
7.5M	2.408475G	2.415975G	11.944M	2.406053G	2.417997G	500k	3
7.05M	2.40895G	2.416G	11.844M	2.406103G	2.417947G	500k	4

802.11b_Nss1,(1Mbps)_4TX EBW

2437MHz

10/07/2020





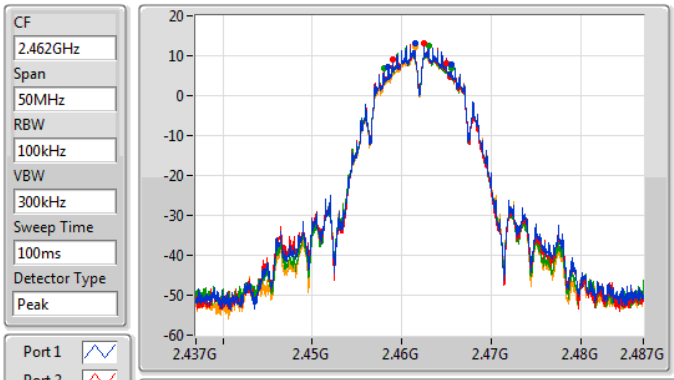
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
6.55M	2.43395G	2.4405G	13.743M	2.430053G	2.443797G	500k	1
7M	2.4335G	2.4405G	15.392M	2.429479G	2.444871G	500k	2
7.025M	2.4335G	2.440525G	13.793M	2.429979G	2.443772G	500k	3
7.075M	2.43345G	2.440525G	13.193M	2.430378G	2.443572G	500k	4

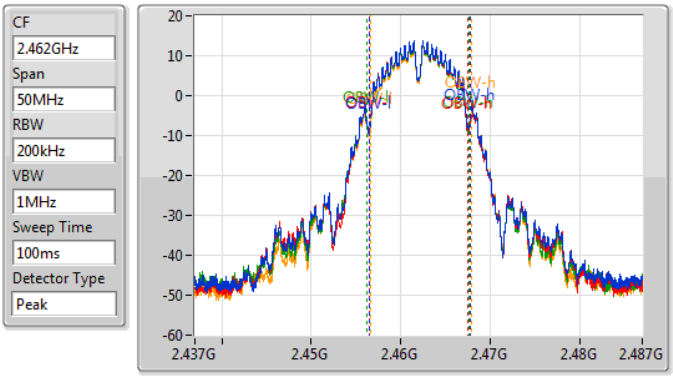
For EUT 2 / Radio 2 / External Ant.1_Non-Beamforming Mode

802.11b_Nss1,(1Mbps)_4TX EBW

2462MHz

10/07/2020



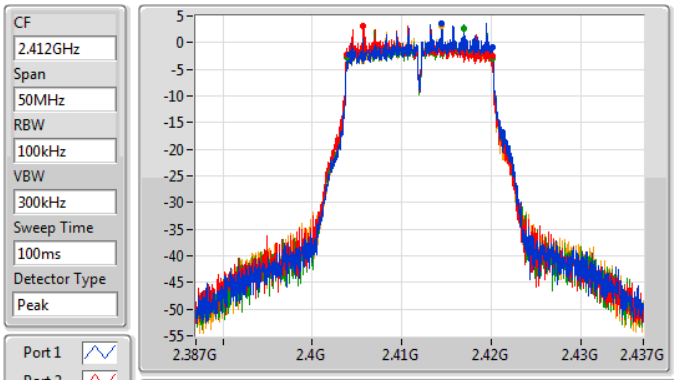


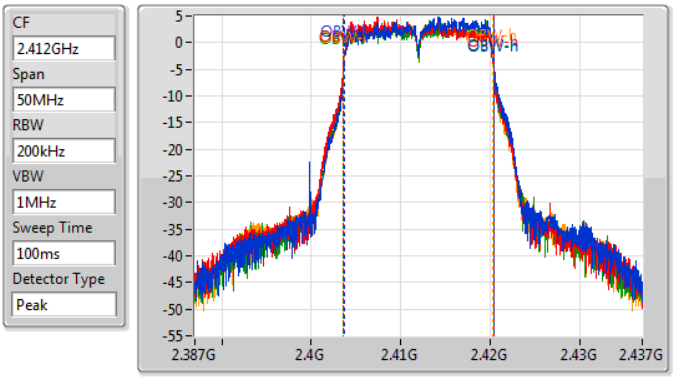
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.075M	2.45845G	2.465525G	11.269M	2.456503G	2.467772G	500k	1
6.075M	2.45895G	2.465025G	10.995M	2.456503G	2.467497G	500k	2
7.525M	2.457975G	2.4655G	11.444M	2.456228G	2.467672G	500k	3
7.05M	2.458475G	2.465525G	11.244M	2.456653G	2.467897G	500k	4

802.11g_Nss1,(6Mbps)_4TX EBW

2412MHz

10/07/2020





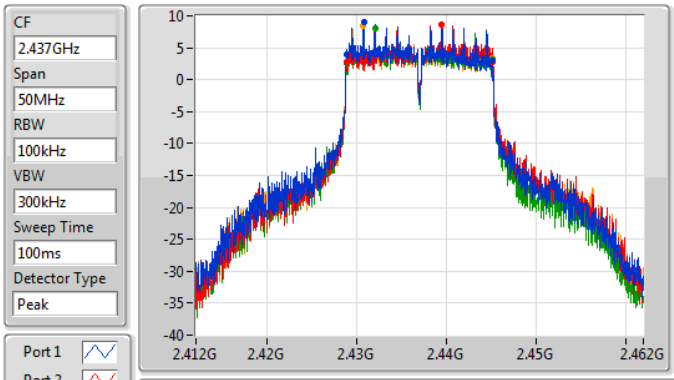
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.05M	2.4041G	2.42015G	16.717M	2.403779G	2.420496G	500k	1
16.325M	2.403825G	2.42015G	16.742M	2.403629G	2.420371G	500k	2
16.35M	2.403825G	2.420175G	16.792M	2.403629G	2.420421G	500k	3
16.325M	2.40385G	2.420175G	16.617M	2.403729G	2.420346G	500k	4

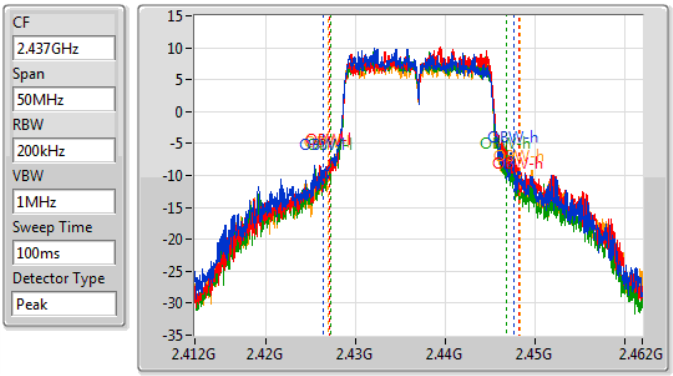
For EUT 2 / Radio 2 / External Ant.1_Non-Beamforming Mode

802.11g_Nss1,(6Mbps)_4TX EBW

2437MHz

10/07/2020



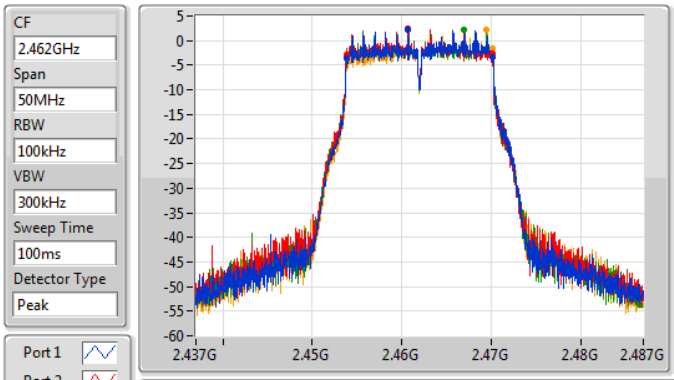


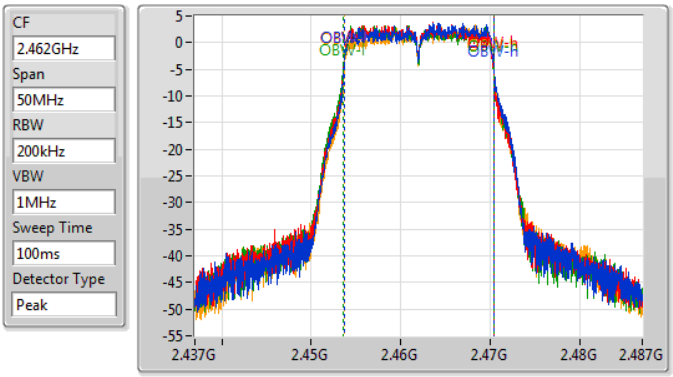
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	2.428825G	2.445125G	21.389M	2.426305G	2.447695G	500k	1
16.35M	2.428825G	2.445175G	21.039M	2.427105G	2.448144G	500k	2
16.325M	2.428825G	2.44515G	19.715M	2.42713G	2.446845G	500k	3
16.35M	2.4288G	2.44515G	21.514M	2.426855G	2.448369G	500k	4

802.11g_Nss1,(6Mbps)_4TX EBW

2462MHz

10/07/2020





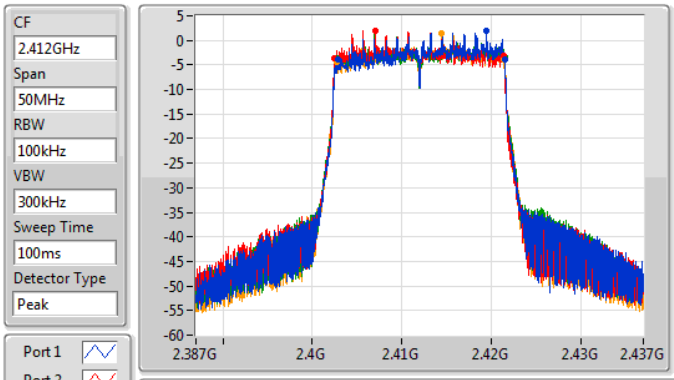
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.453825G	2.470175G	16.792M	2.453704G	2.470496G	500k	1
16.325M	2.453825G	2.47015G	16.717M	2.453654G	2.470371G	500k	2
16.35M	2.4538G	2.47015G	16.792M	2.453579G	2.470371G	500k	3
16.3M	2.45385G	2.47015G	16.667M	2.453754G	2.470421G	500k	4

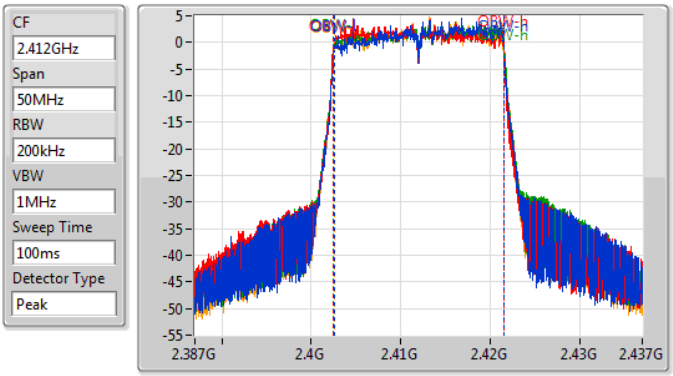
For EUT 2 / Radio 2 / External Ant.1_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

2412MHz

10/07/2020



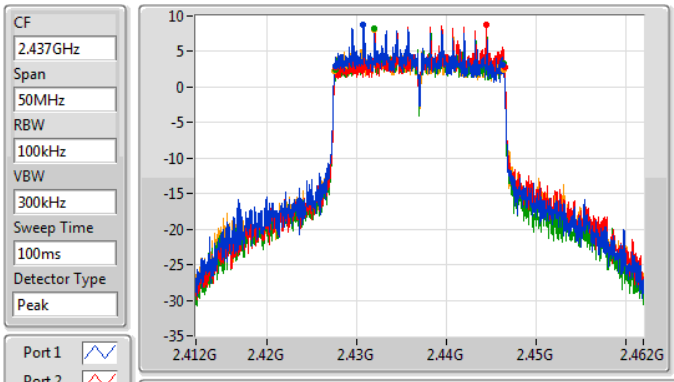


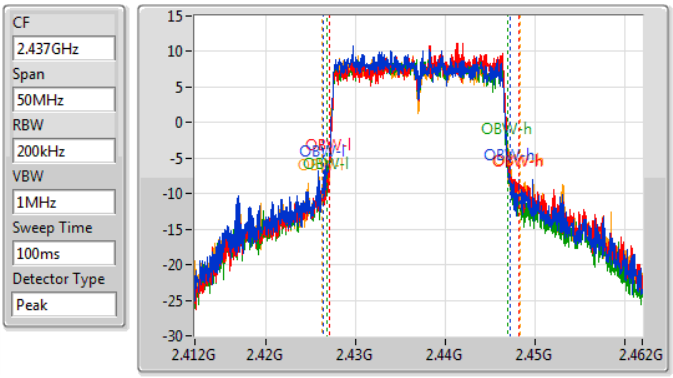
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.625M	2.40285G	2.421475G	18.966M	2.402555G	2.42152G	500k	1
18.925M	2.402525G	2.42145G	19.015M	2.40248G	2.421495G	500k	2
18.75M	2.402725G	2.421475G	19.09M	2.402505G	2.421595G	500k	3
18.7M	2.40275G	2.42145G	19.04M	2.40253G	2.42157G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

2437MHz

10/07/2020





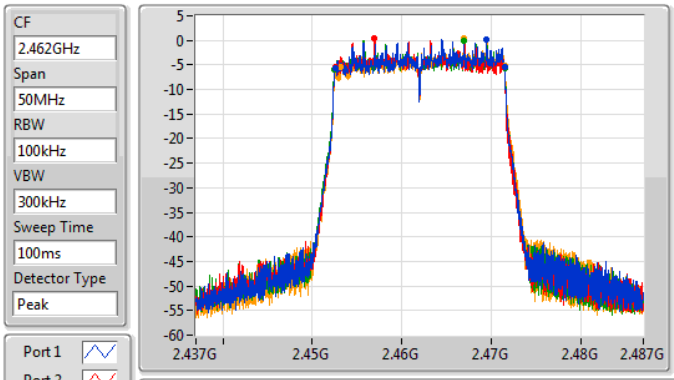
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.75M	2.42755G	2.4463G	20.915M	2.42638G	2.447295G	500k	1
18.85M	2.427625G	2.446475G	21.214M	2.42703G	2.448244G	500k	2
18.725M	2.427625G	2.44635G	20.14M	2.42683G	2.44697G	500k	3
18.925M	2.427525G	2.44645G	22.214M	2.426205G	2.448419G	500k	4

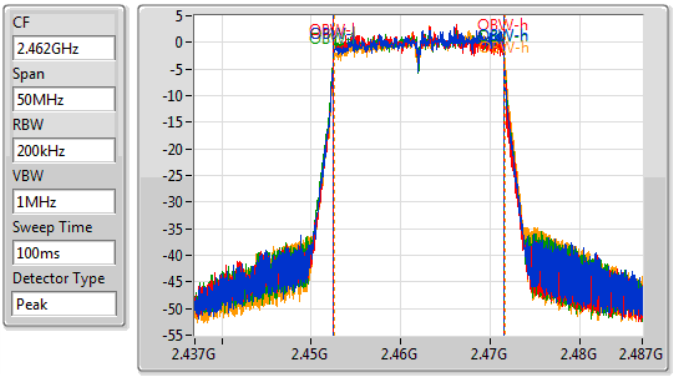
For EUT 2 / Radio 2 / External Ant.1_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_4TX — EBW

2462MHz

10/07/2020



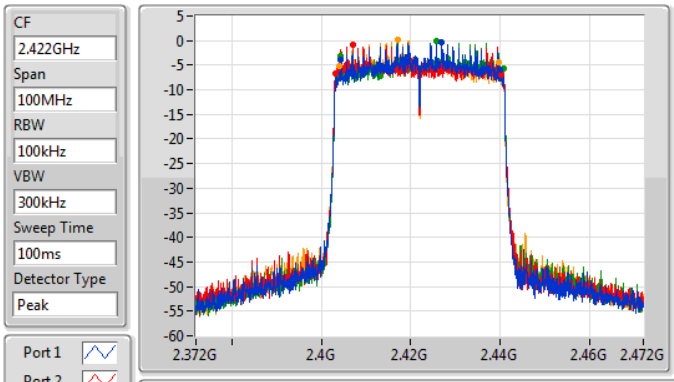


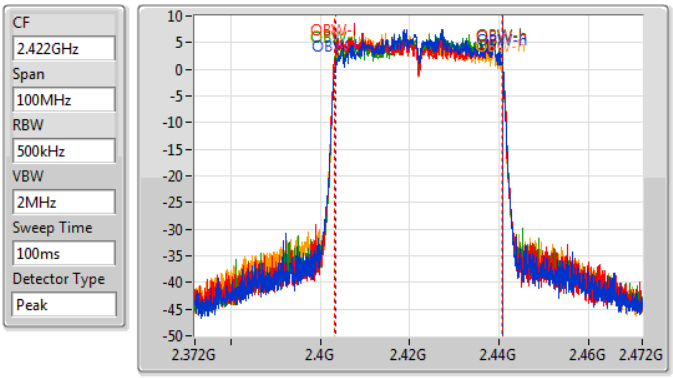
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.452575G	2.47155G	19.015M	2.452505G	2.47152G	500k	1
18.9M	2.45255G	2.47145G	18.991M	2.452505G	2.471495G	500k	2
18.975M	2.4525G	2.471475G	19.09M	2.452455G	2.471545G	500k	3
18.35M	2.4532G	2.47155G	19.065M	2.452555G	2.47162G	500k	4

802.11ax HEW40_Nss1,(MCS0)_4TX — EBW

2422MHz

10/07/2020





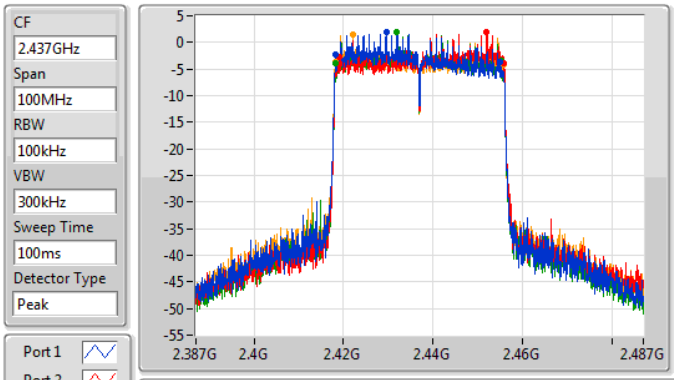
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.55M	2.40445G	2.44G	37.281M	2.403409G	2.440691G	500k	1
37.15M	2.40315G	2.4403G	37.581M	2.403159G	2.440741G	500k	2
36.25M	2.40445G	2.4407G	37.481M	2.403259G	2.440741G	500k	3
35.55M	2.404G	2.43955G	37.381M	2.403259G	2.440641G	500k	4

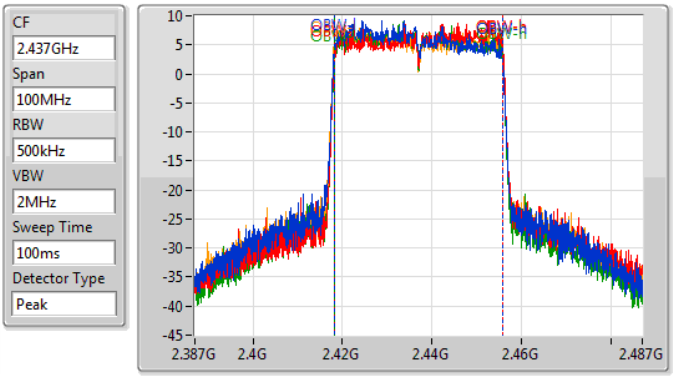
For EUT 2 / Radio 2 / External Ant.1_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

2437MHz

10/07/2020



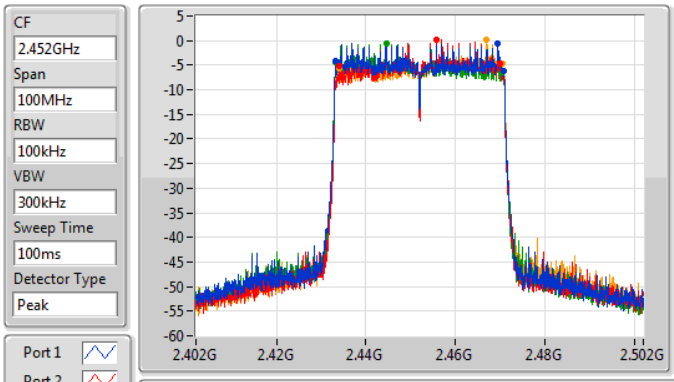


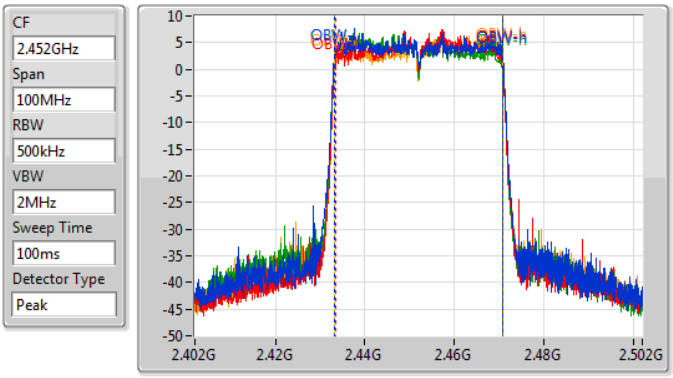
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.75M	2.4182G	2.45495G	37.581M	2.418109G	2.455691G	500k	1
36.75M	2.41905G	2.4558G	37.681M	2.418209G	2.455891G	500k	2
36.9M	2.41825G	2.45515G	37.431M	2.418259G	2.455691G	500k	3
37.55M	2.41815G	2.4557G	37.731M	2.418059G	2.455791G	500k	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

2452MHz

10/07/2020





6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.5M	2.4332G	2.4707G	37.631M	2.433159G	2.470791G	500k	1
36.1M	2.434G	2.4701G	37.381M	2.433359G	2.470741G	500k	2
37.45M	2.4332G	2.47065G	37.581M	2.433159G	2.470741G	500k	3
36.6M	2.434G	2.4706G	37.581M	2.433259G	2.470841G	500k	4

For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	9.525M	16.542M	16M5G1D	7.025M	11.894M
802.11g_Nss1,(6Mbps)_2TX	16.35M	25.087M	25M1D1D	16.025M	16.692M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.975M	26.362M	26M4D1D	18.4M	19.015M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.55M	37.631M	37M6D1D	35.6M	37.431M

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;

For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode
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	7.025M	11.969M	8M	12.019M
2437MHz	Pass	500k	9.525M	16.542M	8.025M	14.868M
2462MHz	Pass	500k	7.025M	11.894M	7.05M	12.019M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.767M	16.35M	16.717M
2437MHz	Pass	500k	16.025M	25.087M	16.3M	23.838M
2462MHz	Pass	500k	16.325M	16.742M	16.325M	16.692M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.975M	19.04M	18.975M	19.065M
2437MHz	Pass	500k	18.4M	26.362M	18.45M	25.062M
2462MHz	Pass	500k	18.925M	19.015M	18.975M	19.04M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.55M	37.631M	36.75M	37.581M
2437MHz	Pass	500k	36.85M	37.531M	36.25M	37.481M
2452MHz	Pass	500k	37.35M	37.431M	35.6M	37.481M

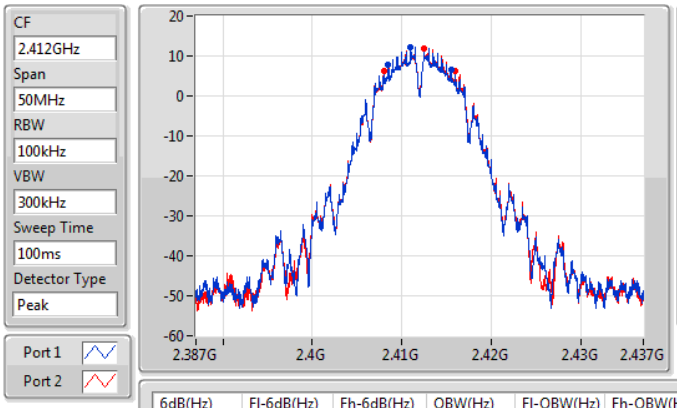
Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

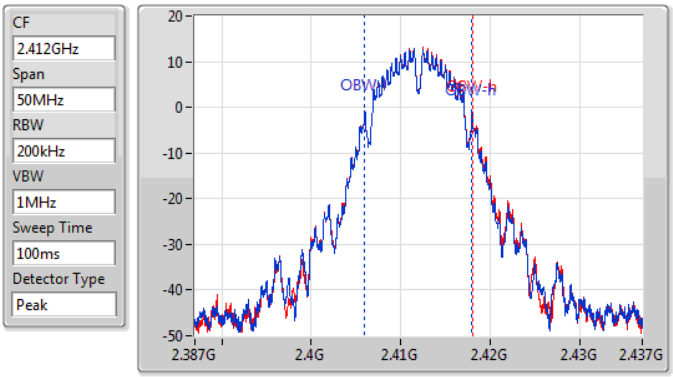
For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode

802.11b_Nss1,(1Mbps)_2TX EBW

2412MHz

10/07/2020



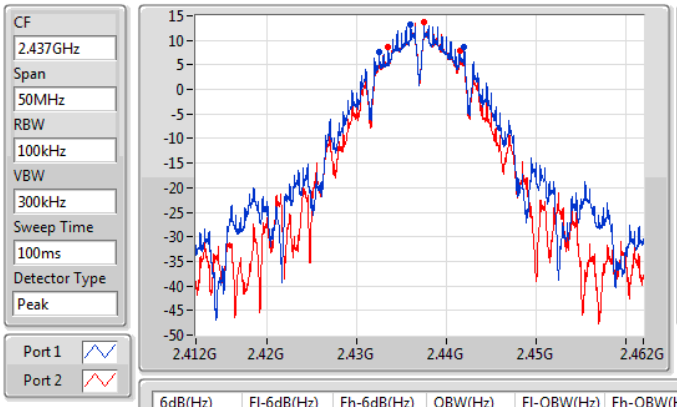


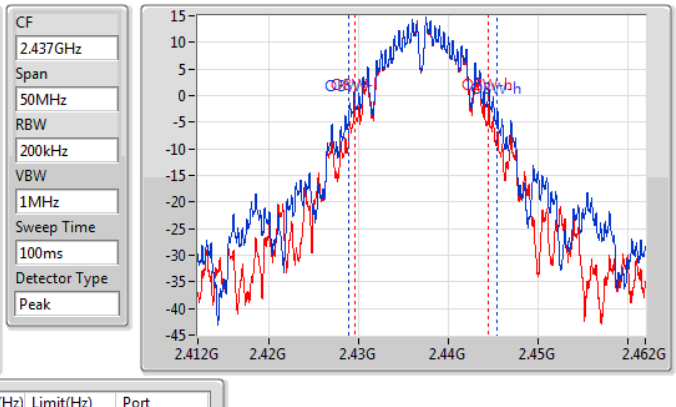
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.025M	2.408475G	2.4155G	11.969M	2.405978G	2.417947G	500k	1
8M	2.408G	2.416G	12.019M	2.405978G	2.417997G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2437MHz

10/07/2020





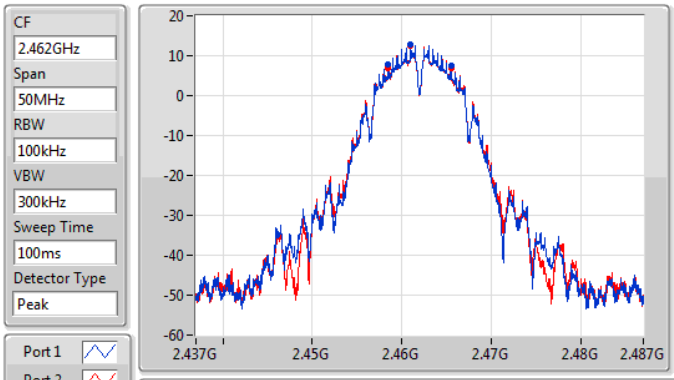
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.525M	2.432475G	2.442G	16.542M	2.428904G	2.445446G	500k	1
8.025M	2.433475G	2.4415G	14.868M	2.429579G	2.444446G	500k	2

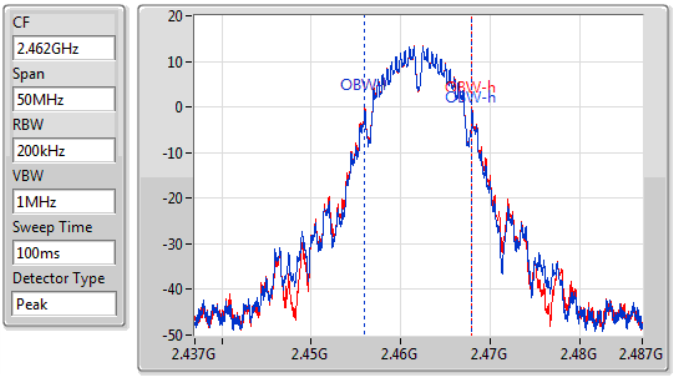
For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode

802.11b_Nss1,(1Mbps)_2TX EBW

2462MHz

10/07/2020



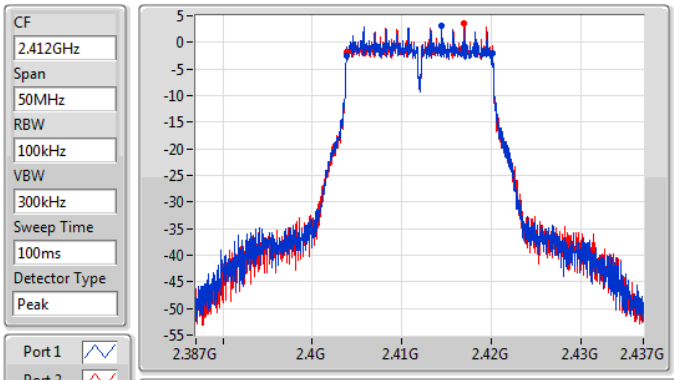


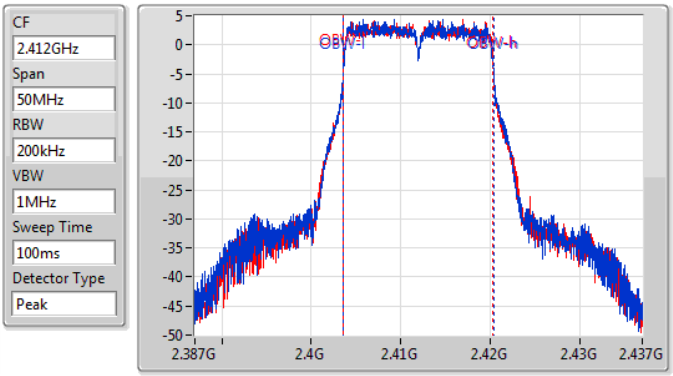
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.025M	2.458475G	2.4655G	11.894M	2.456003G	2.467897G	500k	1
7.05M	2.458475G	2.465525G	12.019M	2.455953G	2.467972G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2412MHz

10/07/2020





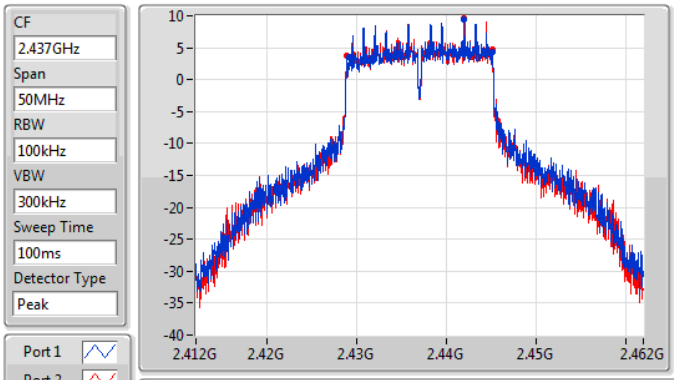
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.403825G	2.42015G	16.767M	2.403629G	2.420396G	500k	1
16.35M	2.403825G	2.420175G	16.717M	2.403629G	2.420346G	500k	2

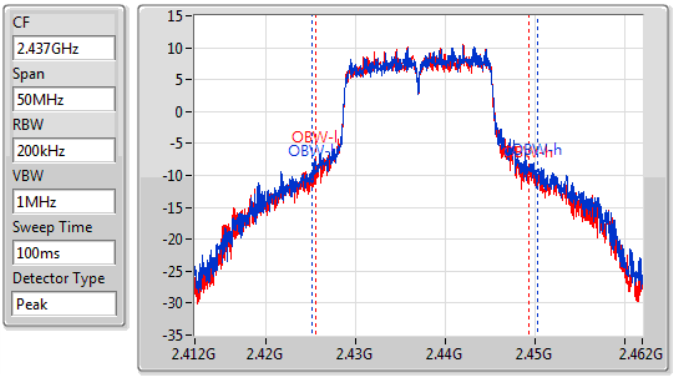
For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode

802.11g_Nss1,(6Mbps)_2TX EBW

2437MHz

10/07/2020



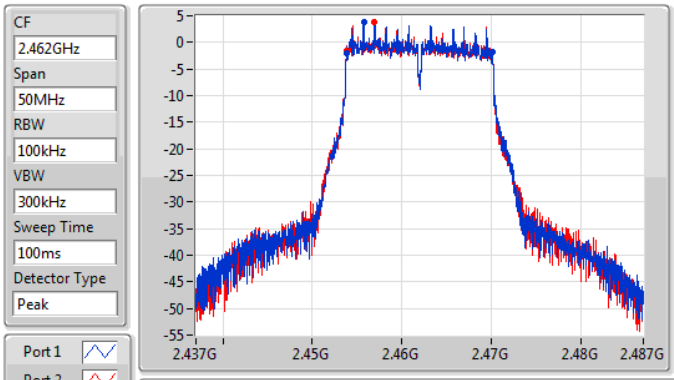


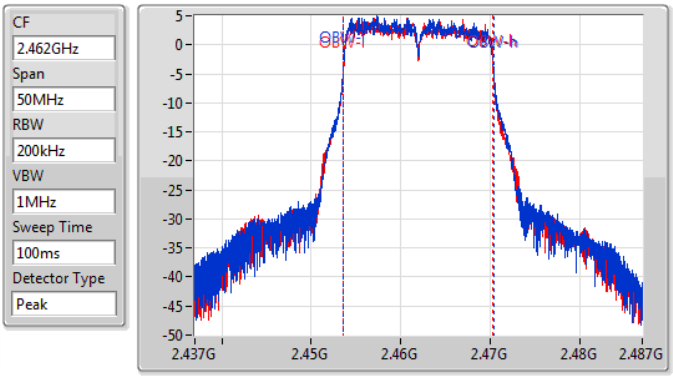
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.025M	2.429125G	2.44515G	25.087M	2.425156G	2.450243G	500k	1
16.3M	2.42885G	2.44515G	23.838M	2.425531G	2.449369G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2462MHz

10/07/2020





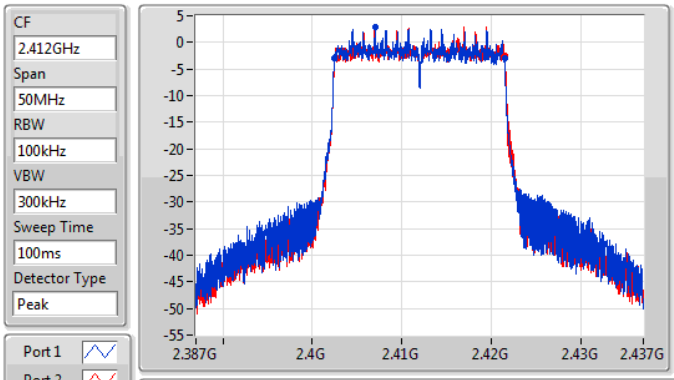
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.453825G	2.47015G	16.742M	2.453629G	2.470371G	500k	1
16.325M	2.453825G	2.47015G	16.692M	2.453604G	2.470296G	500k	2

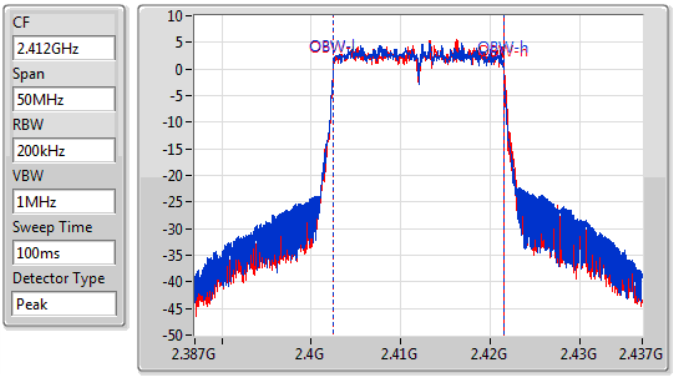
For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

2412MHz

10/07/2020



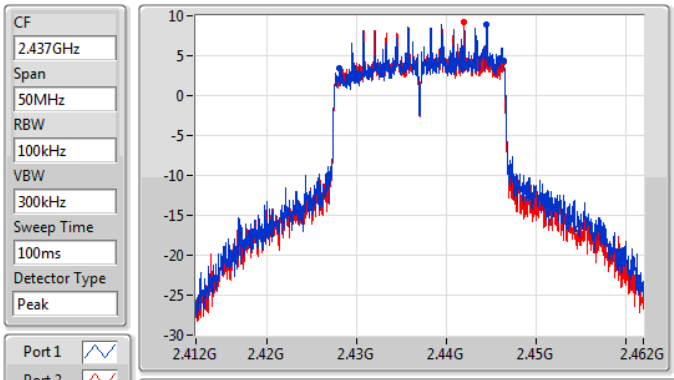


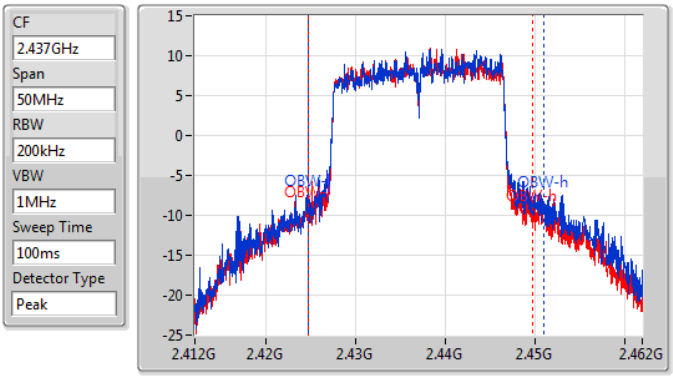
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.4025G	2.421475G	19.04M	2.402455G	2.421495G	500k	1
18.975M	2.4025G	2.421475G	19.065M	2.40248G	2.421545G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

2437MHz

10/07/2020





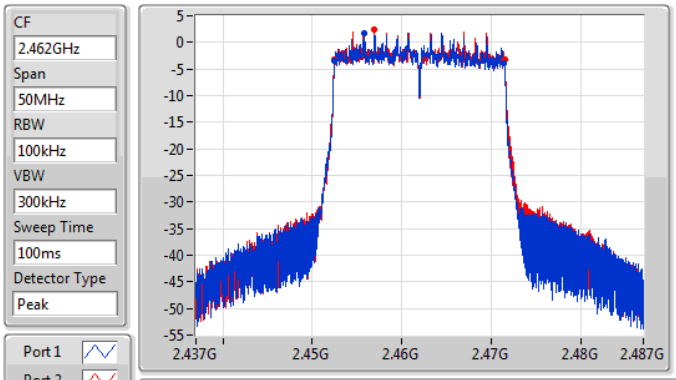
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.4M	2.42805G	2.44645G	26.362M	2.424606G	2.450968G	500k	1
18.45M	2.428G	2.44645G	25.062M	2.424731G	2.449794G	500k	2

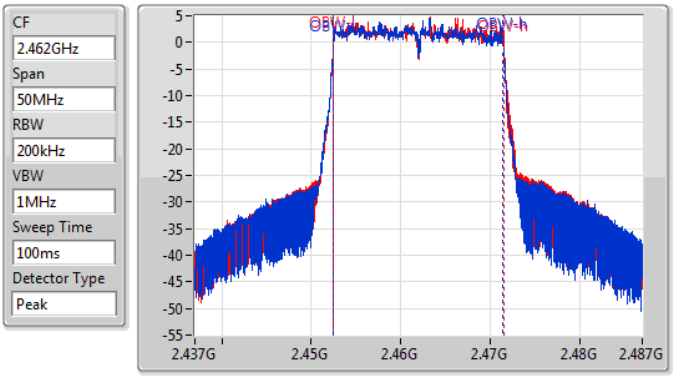
For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

2462MHz

10/07/2020



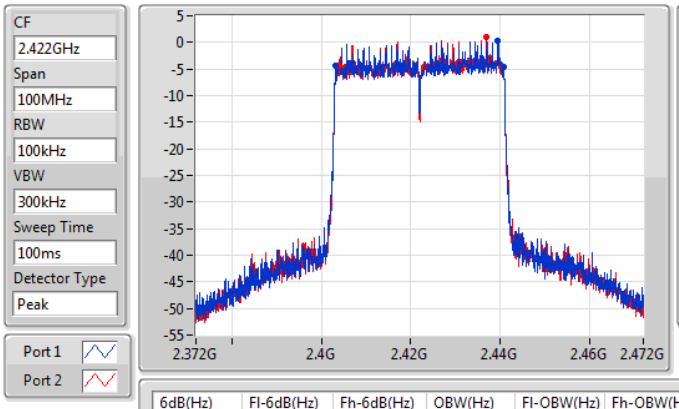


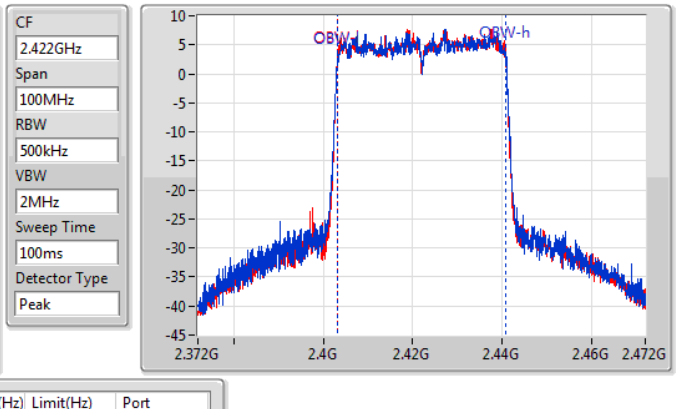
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.925M	2.4525G	2.471425G	19.015M	2.452455G	2.47147G	500k	1
18.975M	2.4525G	2.471475G	19.04M	2.45248G	2.47152G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

2422MHz

10/07/2020





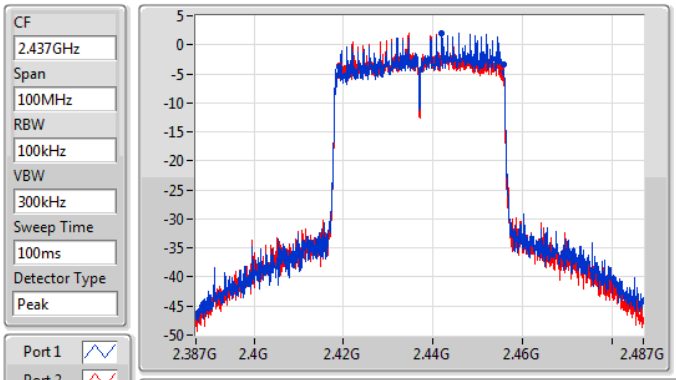
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.55M	2.4032G	2.44075G	37.631M	2.403209G	2.440841G	500k	1
36.75M	2.4039G	2.44065G	37.581M	2.403209G	2.440791G	500k	2

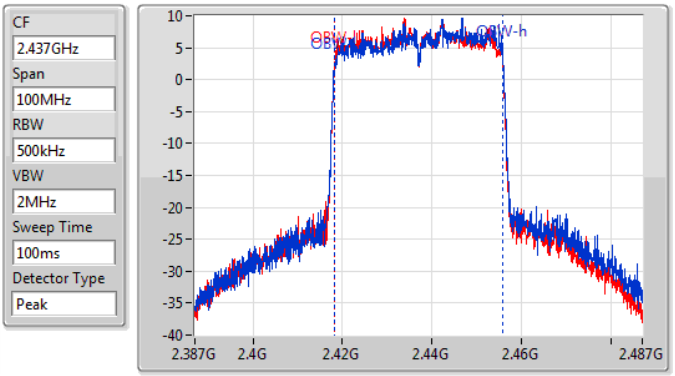
For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

2437MHz

10/07/2020



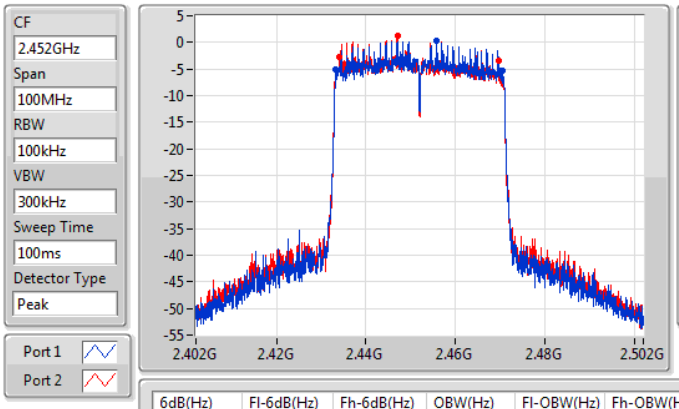


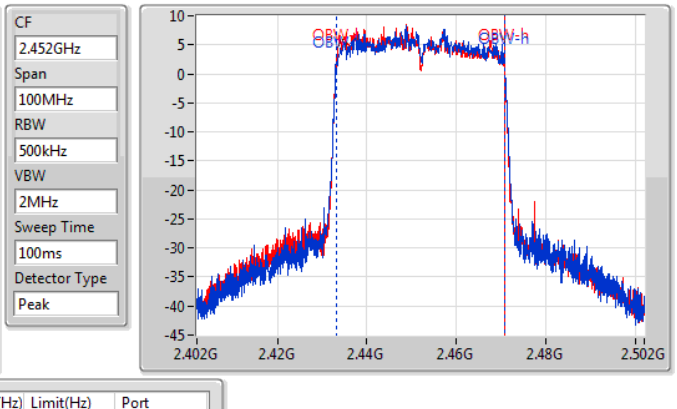
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.85M	2.4189G	2.45575G	37.531M	2.418309G	2.455841G	500k	1
36.25M	2.41895G	2.4552G	37.481M	2.418259G	2.455741G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

2452MHz

10/07/2020





6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.35M	2.4332G	2.47055G	37.431M	2.433259G	2.470691G	500k	1
35.6M	2.43395G	2.46955G	37.481M	2.433209G	2.470691G	500k	2

For EUT 2 / Radio 2 / External Ant.2_Non-Beamforming Mode
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_4TX	7.55M	12.244M	12M2G1D	6.525M	10.695M
802.11g_Nss1,(6Mbps)_4TX	16.35M	17.091M	17M1D1D	16.05M	16.592M
802.11ax HEW20_Nss1,(MCS0)_4TX	18.9M	19.14M	19M1D1D	18.2M	18.966M
802.11ax HEW40_Nss1,(MCS0)_4TX	37.65M	37.681M	37M7D1D	35.25M	37.331M

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;

For EUT 2 / Radio 2 / External Ant.2_Non-Beamforming Mode
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	7.05M	11.094M	7.025M	11.244M	7M	11.469M	7.025M	11.294M
2437MHz	Pass	500k	7.55M	12.119M	7.05M	12.244M	6.525M	12.094M	7.05M	12.219M
2462MHz	Pass	500k	7.025M	10.97M	7.05M	10.695M	7M	11.044M	7.525M	11.119M
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	16.05M	16.742M	16.325M	16.742M	16.325M	16.767M	16.325M	16.592M
2437MHz	Pass	500k	16.3M	16.992M	16.3M	17.091M	16.325M	16.967M	16.35M	17.016M
2462MHz	Pass	500k	16.325M	16.792M	16.325M	16.742M	16.325M	16.792M	16.325M	16.692M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	18.5M	18.966M	18.8M	19.015M	18.625M	19.015M	18.425M	19.015M
2437MHz	Pass	500k	18.9M	19.04M	18.725M	19.09M	18.625M	19.015M	18.85M	19.14M
2462MHz	Pass	500k	18.85M	19.04M	18.65M	19.015M	18.875M	19.065M	18.2M	19.09M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	35.25M	37.331M	37.4M	37.531M	36.3M	37.431M	35.3M	37.331M
2437MHz	Pass	500k	36.45M	37.581M	37.15M	37.581M	35.4M	37.431M	37M	37.681M
2452MHz	Pass	500k	37.65M	37.631M	36.25M	37.431M	36.7M	37.531M	36.75M	37.631M

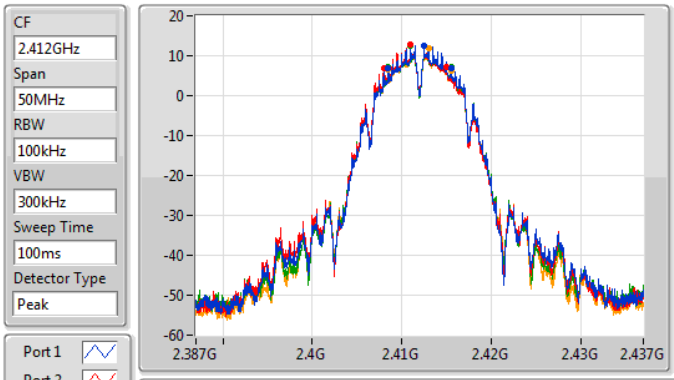
Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

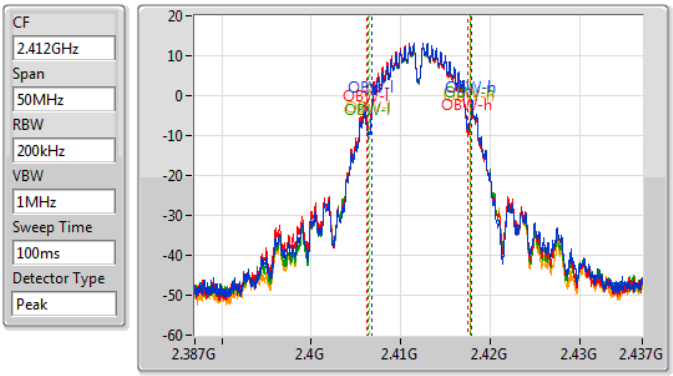
For EUT 2 / Radio 2 / External Ant.2_Non-Beamforming Mode

802.11b_Nss1,(1Mbps)_4TX EBW

2412MHz

10/07/2020



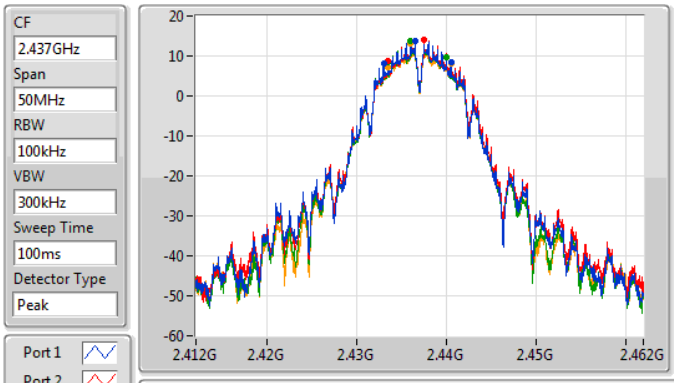


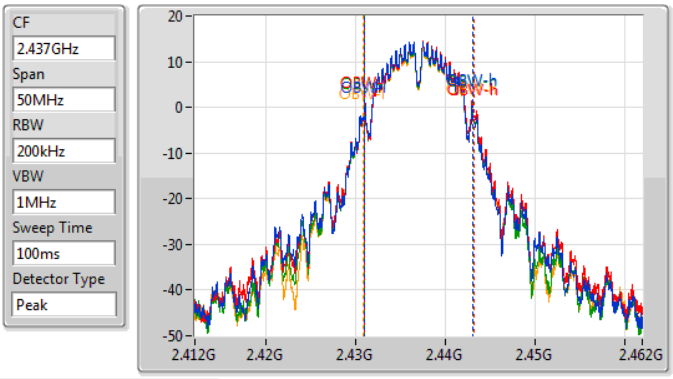
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.05M	2.408475G	2.415525G	11.094M	2.406778G	2.417872G	500k	1
7.025M	2.408G	2.415025G	11.244M	2.406203G	2.417447G	500k	2
7M	2.4085G	2.4155G	11.469M	2.406378G	2.417847G	500k	3
7.025M	2.408475G	2.4155G	11.294M	2.406503G	2.417797G	500k	4

802.11b_Nss1,(1Mbps)_4TX EBW

2437MHz

10/07/2020





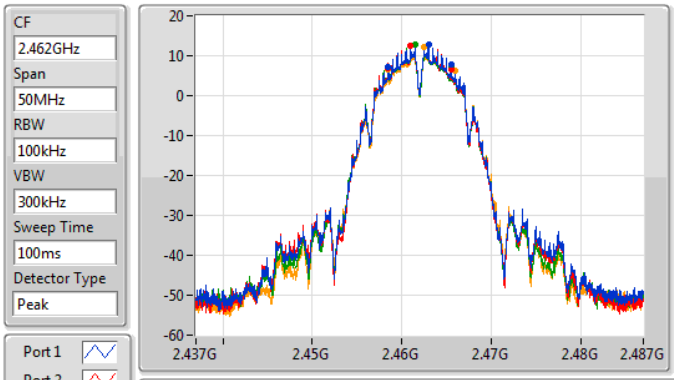
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.55M	2.432975G	2.440525G	12.119M	2.430878G	2.442997G	500k	1
7.05M	2.433475G	2.440525G	12.244M	2.430928G	2.443172G	500k	2
6.525M	2.433475G	2.44G	12.094M	2.430928G	2.443022G	500k	3
7.05M	2.43345G	2.4405G	12.219M	2.430853G	2.443072G	500k	4

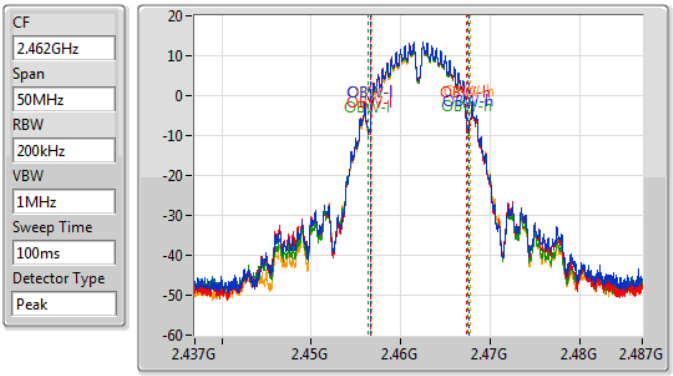
For EUT 2 / Radio 2 / External Ant.2_Non-Beamforming Mode

802.11b_Nss1,(1Mbps)_4TX EBW

2462MHz

10/07/2020



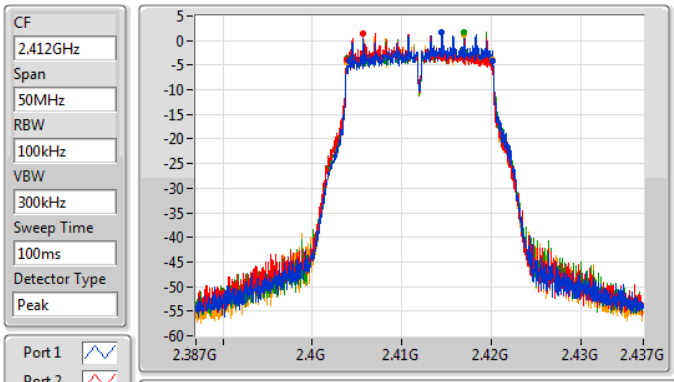


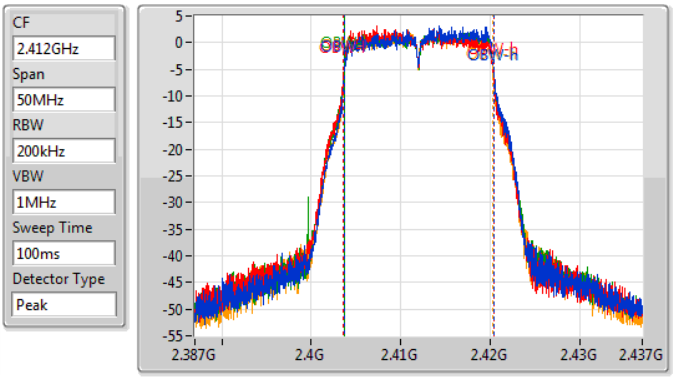
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.025M	2.458475G	2.4655G	10.97M	2.456703G	2.467672G	500k	1
7.05M	2.458475G	2.465525G	10.695M	2.456603G	2.467297G	500k	2
7M	2.4585G	2.4655G	11.044M	2.456403G	2.467447G	500k	3
7.525M	2.458475G	2.466G	11.119M	2.456728G	2.467847G	500k	4

802.11g_Nss1,(6Mbps)_4TX EBW

2412MHz

10/07/2020





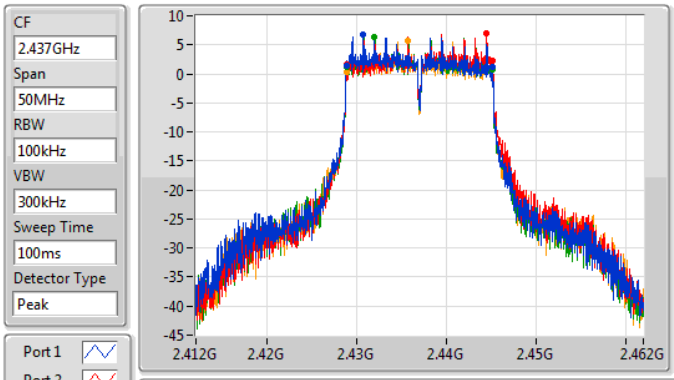
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.05M	2.404125G	2.420175G	16.742M	2.403754G	2.420496G	500k	1
16.325M	2.403825G	2.42015G	16.742M	2.403629G	2.420371G	500k	2
16.325M	2.40385G	2.420175G	16.767M	2.403654G	2.420421G	500k	3
16.325M	2.403825G	2.42015G	16.592M	2.403754G	2.420346G	500k	4

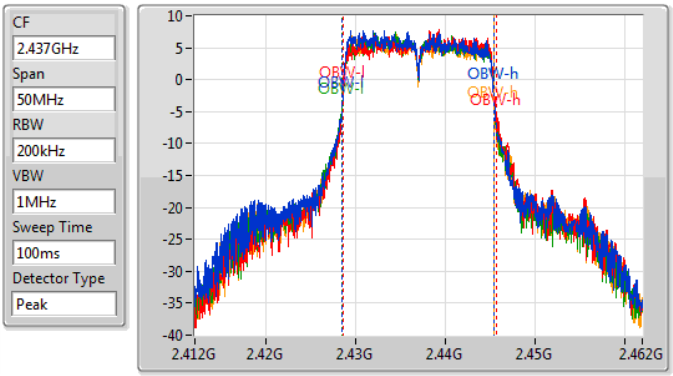
For EUT 2 / Radio 2 / External Ant.2_Non-Beamforming Mode

802.11g_Nss1,(6Mbps)_4TX EBW

2437MHz

10/07/2020



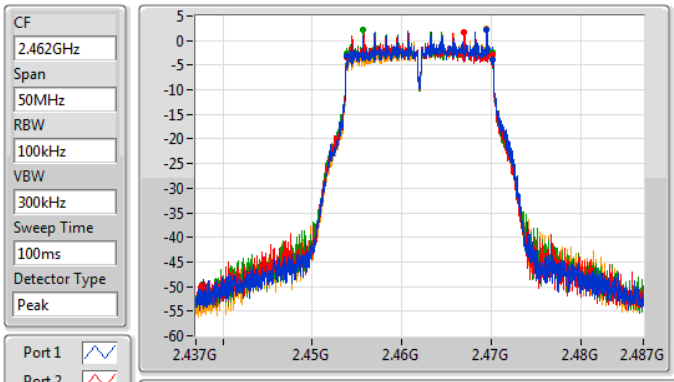


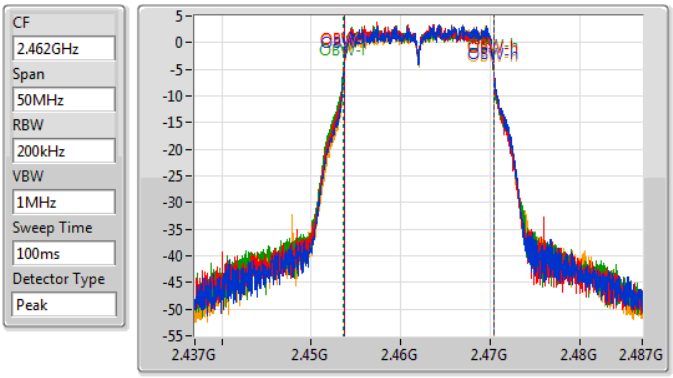
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	2.428825G	2.445125G	16.992M	2.428454G	2.445446G	500k	1
16.3M	2.42885G	2.44515G	17.091M	2.428579G	2.445671G	500k	2
16.325M	2.428825G	2.44515G	16.967M	2.428454G	2.445421G	500k	3
16.35M	2.4288G	2.44515G	17.016M	2.428479G	2.445496G	500k	4

802.11g_Nss1,(6Mbps)_4TX EBW

2462MHz

10/07/2020





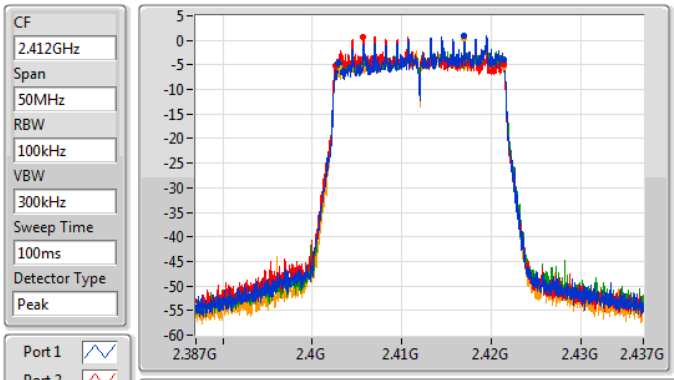
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.45385G	2.470175G	16.792M	2.453704G	2.470496G	500k	1
16.325M	2.453825G	2.47015G	16.742M	2.453654G	2.470396G	500k	2
16.325M	2.453825G	2.47015G	16.792M	2.453579G	2.470371G	500k	3
16.325M	2.45385G	2.470175G	16.692M	2.453754G	2.470446G	500k	4

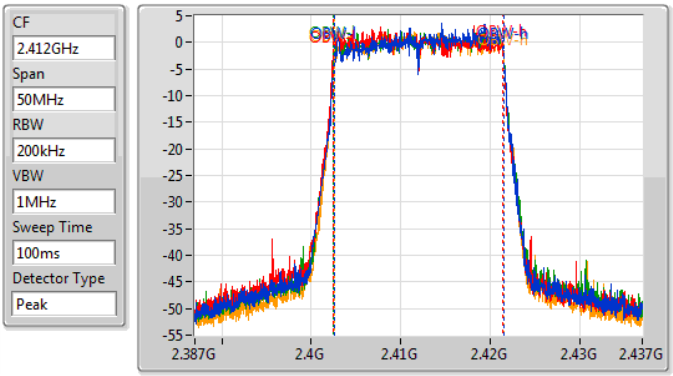
For EUT 2 / Radio 2 / External Ant.2_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

2412MHz

10/07/2020



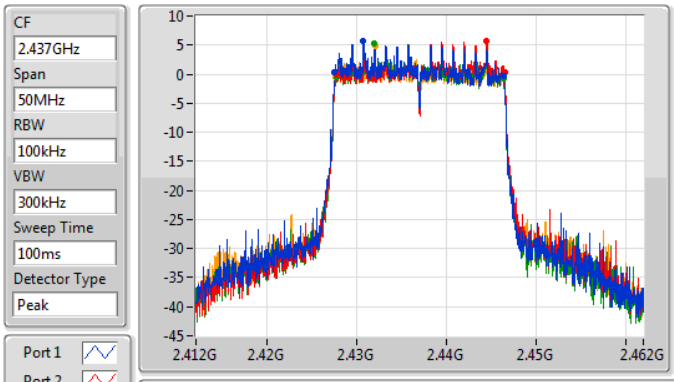


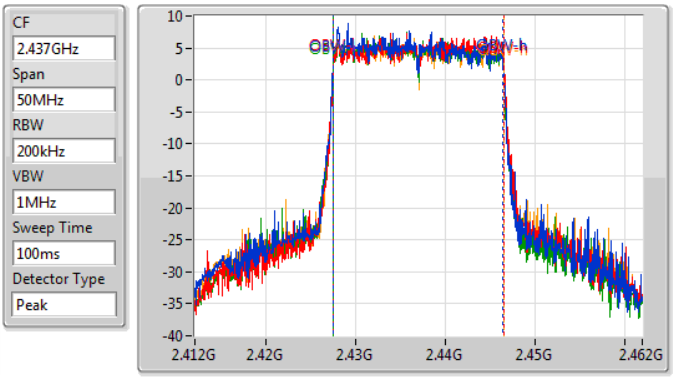
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.5M	2.402925G	2.421425G	18.966M	2.402555G	2.42152G	500k	1
18.8M	2.402575G	2.421375G	19.015M	2.402455G	2.42147G	500k	2
18.625M	2.402775G	2.4214G	19.015M	2.402505G	2.42152G	500k	3
18.425M	2.402975G	2.4214G	19.015M	2.40253G	2.421545G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

2437MHz

10/07/2020





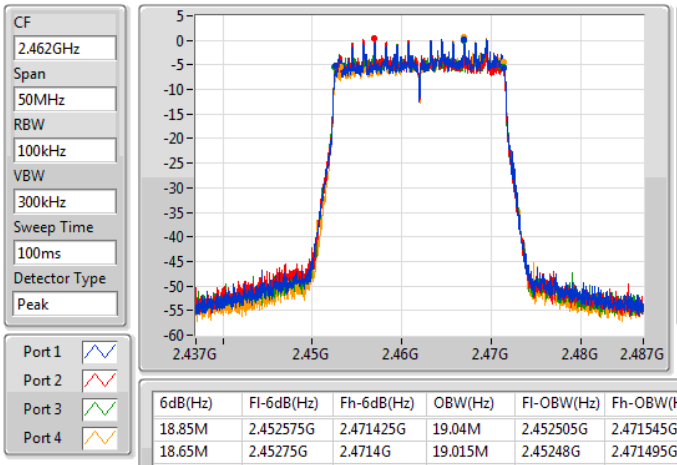
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.9M	2.4275G	2.4464G	19.04M	2.42743G	2.44647G	500k	1
18.725M	2.42775G	2.446475G	19.09M	2.42748G	2.44657G	500k	2
18.625M	2.427725G	2.44635G	19.015M	2.427455G	2.44647G	500k	3
18.85M	2.42755G	2.4464G	19.14M	2.42743G	2.44657G	500k	4

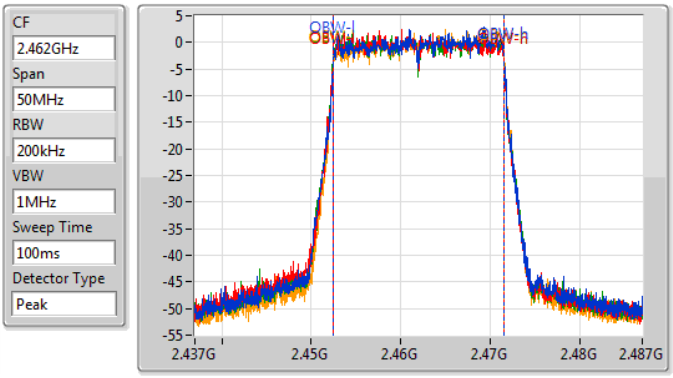
For EUT 2 / Radio 2 / External Ant.2_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

2462MHz

10/07/2020



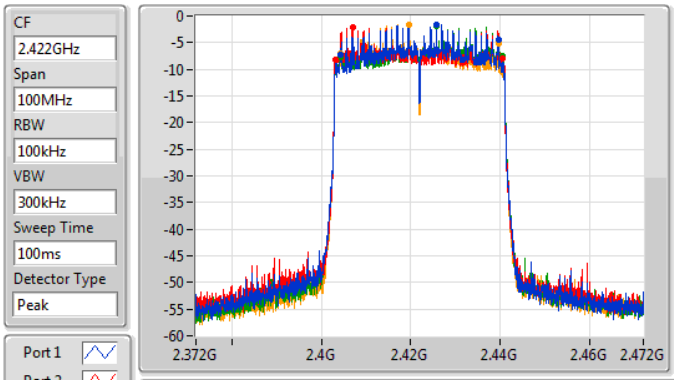


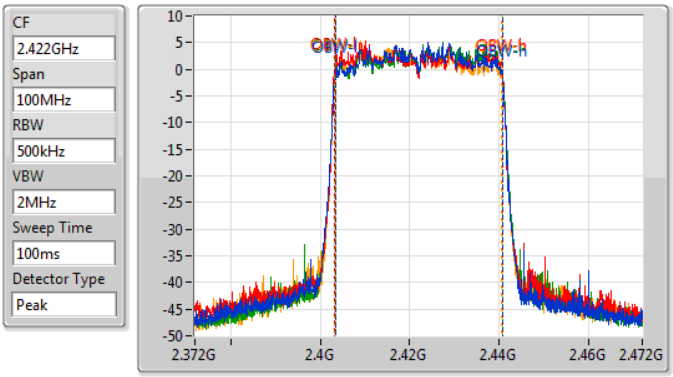
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.85M	2.452575G	2.471425G	19.04M	2.452505G	2.471545G	500k	1
18.65M	2.45275G	2.4714G	19.015M	2.45248G	2.471495G	500k	2
18.875M	2.452525G	2.4714G	19.065M	2.452455G	2.47152G	500k	3
18.2M	2.4532G	2.4714G	19.09M	2.452505G	2.471595G	500k	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

2422MHz

10/07/2020





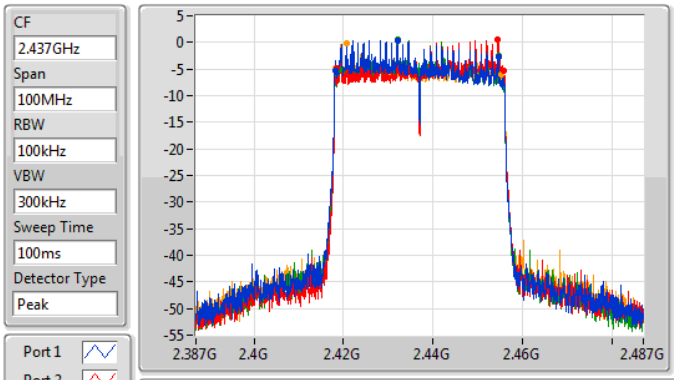
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.25M	2.4043G	2.43955G	37.331M	2.403359G	2.440691G	500k	1
37.4M	2.40315G	2.44055G	37.531M	2.403209G	2.440741G	500k	2
36.3M	2.4042G	2.4405G	37.431M	2.403359G	2.440791G	500k	3
35.3M	2.40425G	2.43955G	37.331M	2.403309G	2.440641G	500k	4

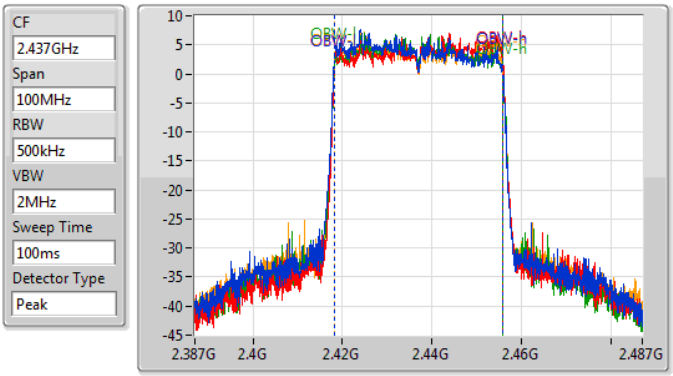
For EUT 2 / Radio 2 / External Ant.2_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

2437MHz

10/07/2020



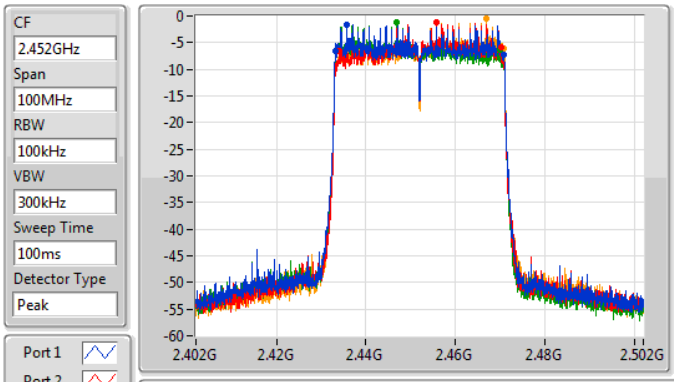


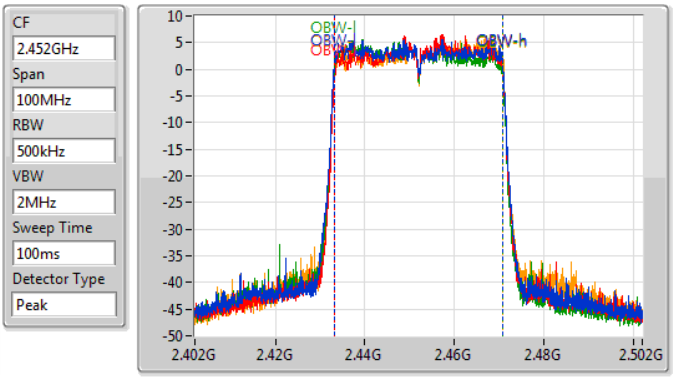
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.45M	2.4181G	2.45455G	37.581M	2.418159G	2.455741G	500k	1
37.15M	2.41855G	2.4557G	37.581M	2.418259G	2.455841G	500k	2
35.4M	2.41915G	2.45455G	37.431M	2.418259G	2.455691G	500k	3
37M	2.41815G	2.45515G	37.681M	2.418159G	2.455841G	500k	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

2452MHz

10/07/2020





6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.65M	2.43315G	2.4708G	37.631M	2.433159G	2.470791G	500k	1
36.25M	2.43395G	2.4702G	37.431M	2.433309G	2.470741G	500k	2
36.7M	2.43315G	2.46985G	37.531M	2.433159G	2.470691G	500k	3
36.75M	2.43395G	2.4707G	37.631M	2.433259G	2.470891G	500k	4

For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	8.525M	15.417M	15M4G1D	6.95M	11.619M
802.11g_Nss1,(6Mbps)_2TX	16.35M	21.614M	21M6D1D	15.975M	16.667M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.975M	19.065M	19M1D1D	16.075M	17.441M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.6M	37.681M	37M7D1D	35.95M	37.381M

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;

For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode
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	6.95M	11.794M	7.05M	11.844M
2437MHz	Pass	500k	8.525M	15.417M	8.025M	13.743M
2462MHz	Pass	500k	7.025M	11.619M	7.05M	11.869M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.767M	16.35M	16.667M
2437MHz	Pass	500k	15.975M	21.614M	16.3M	21.114M
2462MHz	Pass	500k	16.325M	16.717M	16.325M	16.667M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.975M	19.04M	18.95M	19.065M
2437MHz	Pass	500k	16.075M	17.591M	16.35M	17.441M
2462MHz	Pass	500k	18.925M	19.015M	18.95M	19.065M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.6M	37.681M	36.8M	37.531M
2437MHz	Pass	500k	37.55M	37.481M	35.95M	37.431M
2452MHz	Pass	500k	36.9M	37.381M	36.05M	37.481M

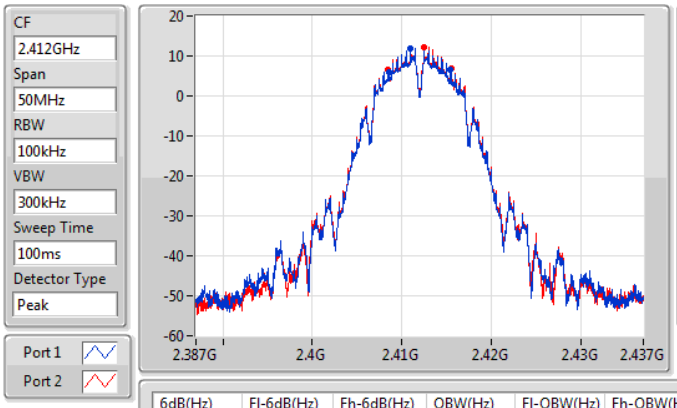
Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

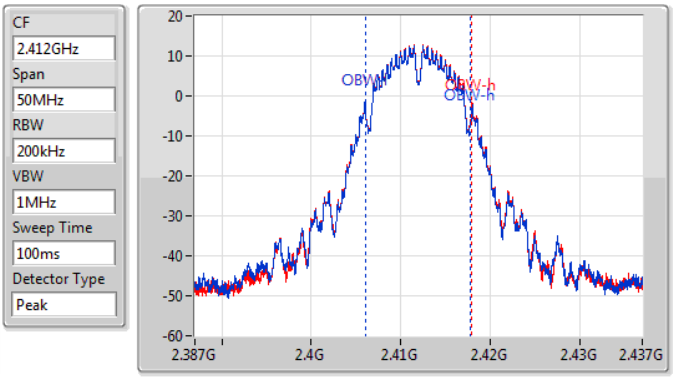
For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode

802.11b_Nss1,(1Mbps)_2TX EBW

2412MHz

10/07/2020



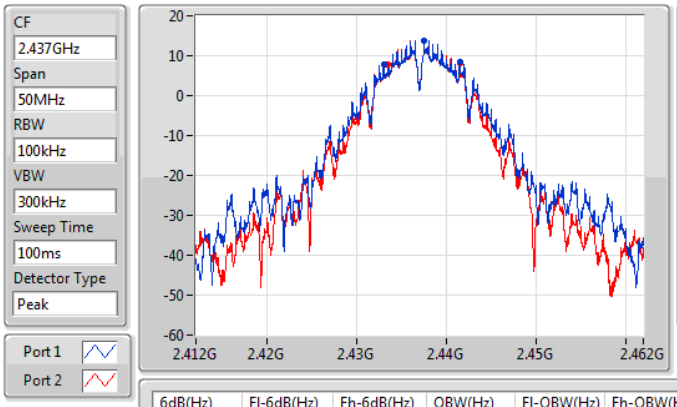


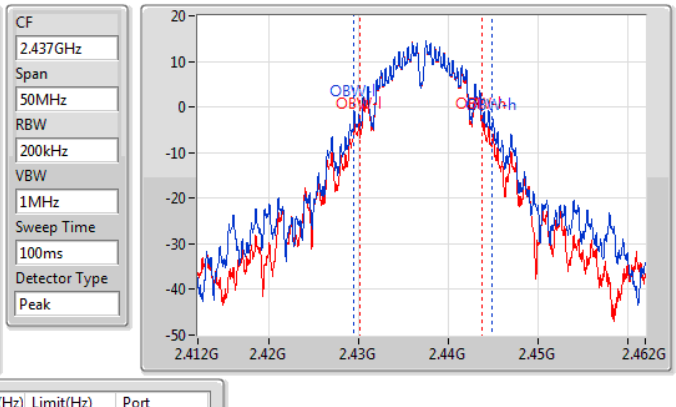
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
6.95M	2.408525G	2.415475G	11.794M	2.406053G	2.417847G	500k	1
7.05M	2.408475G	2.415525G	11.844M	2.406053G	2.417897G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2437MHz

10/07/2020





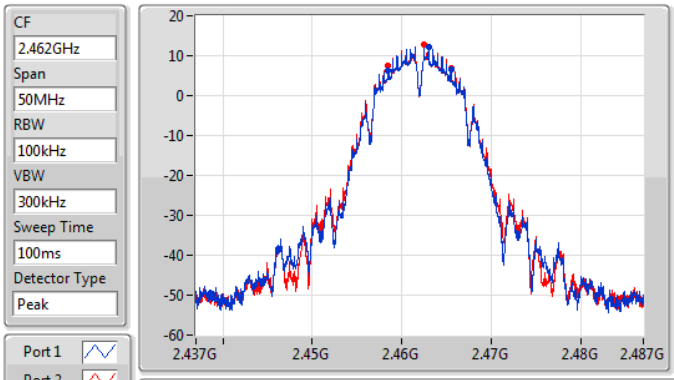
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.525M	2.433G	2.441525G	15.417M	2.429429G	2.444846G	500k	1
8.025M	2.433475G	2.4415G	13.743M	2.430078G	2.443822G	500k	2

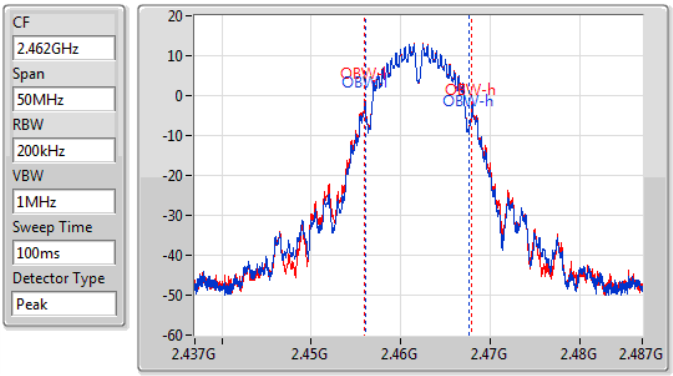
For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode

802.11b_Nss1,(1Mbps)_2TX EBW

2462MHz

10/07/2020



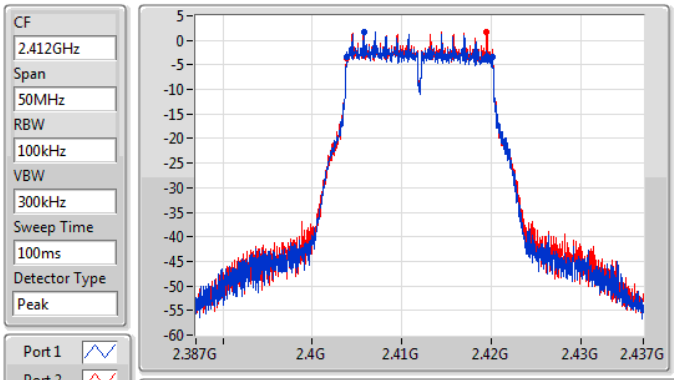


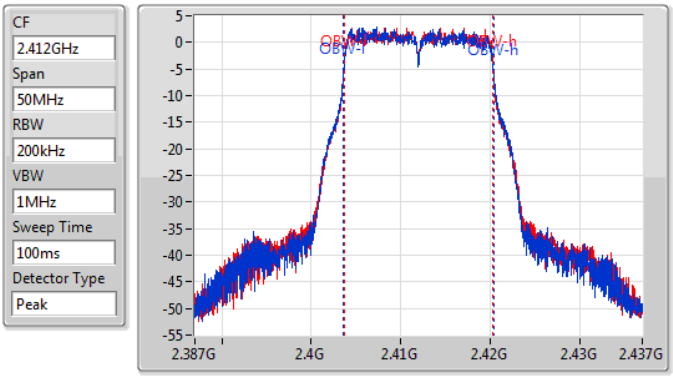
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.025M	2.458475G	2.4655G	11.619M	2.456078G	2.467697G	500k	1
7.05M	2.458475G	2.465525G	11.869M	2.456003G	2.467872G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2412MHz

10/07/2020





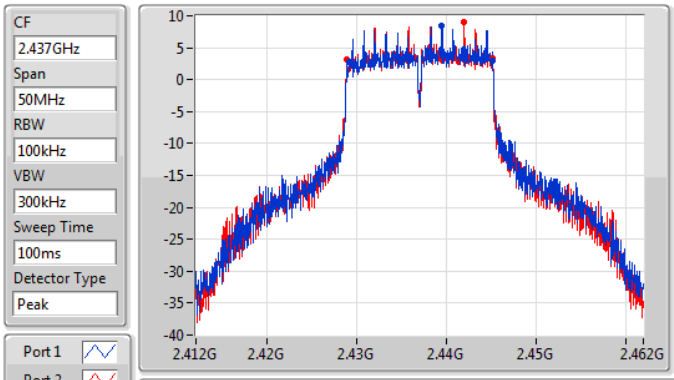
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.403825G	2.42015G	16.767M	2.403629G	2.420396G	500k	1
16.35M	2.403825G	2.420175G	16.667M	2.403654G	2.420321G	500k	2

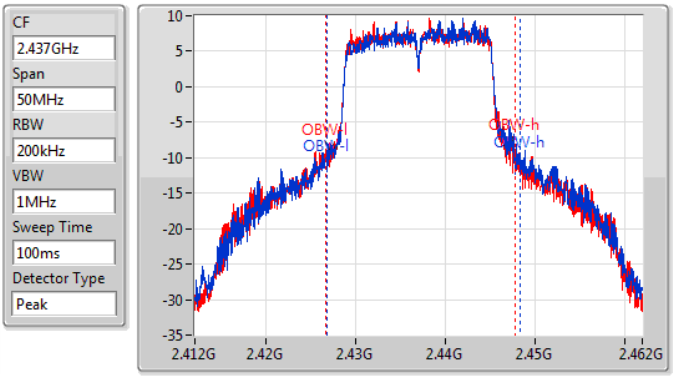
For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode

802.11g_Nss1,(6Mbps)_2TX EBW

2437MHz

10/07/2020



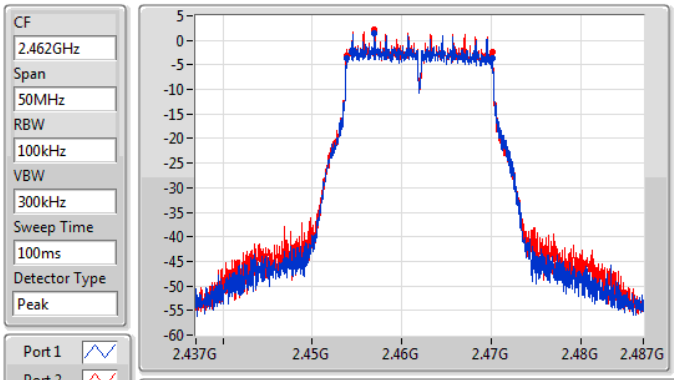


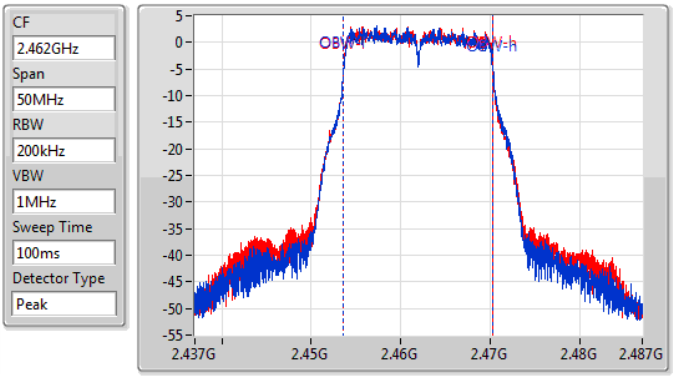
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.975M	2.4292G	2.445175G	21.614M	2.42678G	2.448394G	500k	1
16.3M	2.42885G	2.44515G	21.114M	2.426655G	2.44777G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2462MHz

10/07/2020





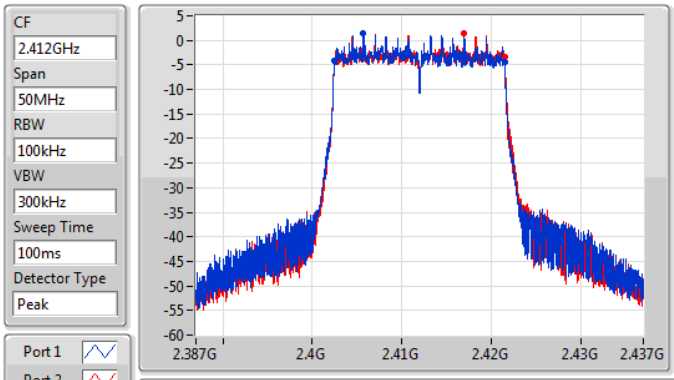
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.453825G	2.47015G	16.717M	2.453629G	2.470346G	500k	1
16.325M	2.453825G	2.47015G	16.667M	2.453629G	2.470296G	500k	2

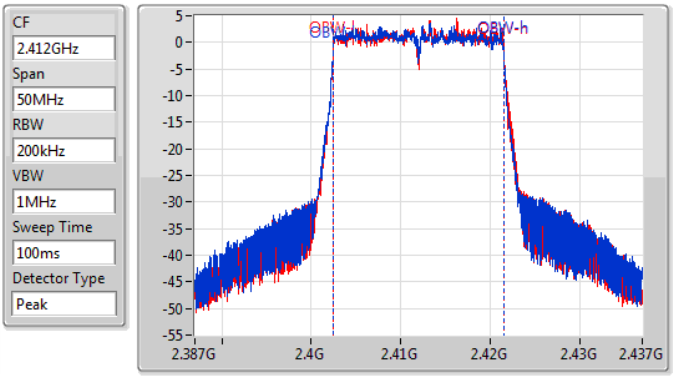
For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

2412MHz

10/07/2020



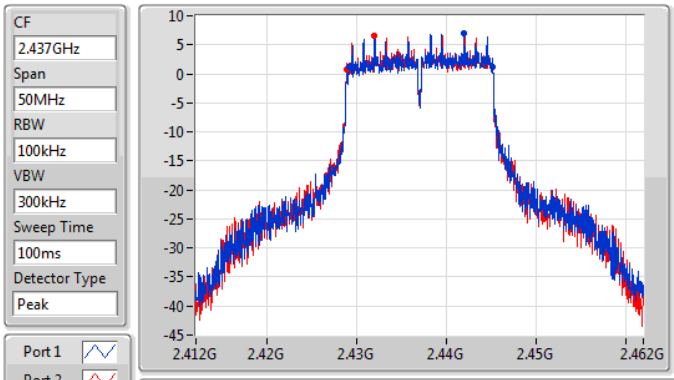


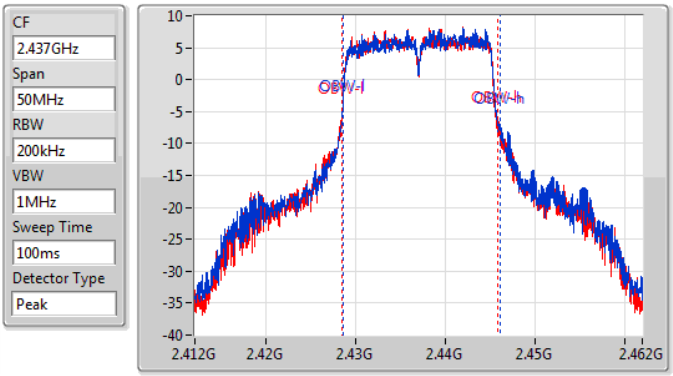
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.4025G	2.421475G	19.04M	2.402455G	2.421495G	500k	1
18.95M	2.402525G	2.421475G	19.065M	2.40248G	2.421545G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

2437MHz

10/07/2020





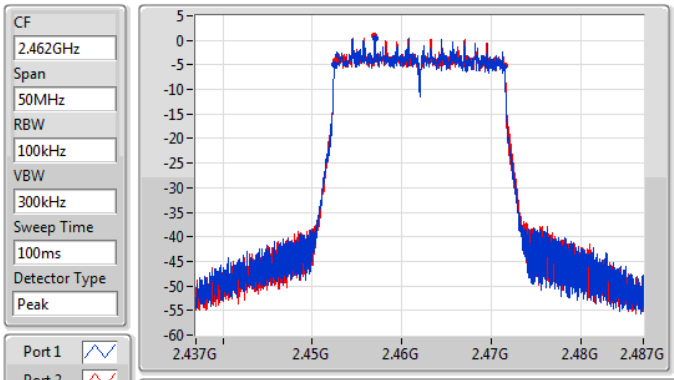
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.075M	2.4291G	2.445175G	17.591M	2.428504G	2.446095G	500k	1
16.35M	2.428825G	2.445175G	17.441M	2.428454G	2.445896G	500k	2

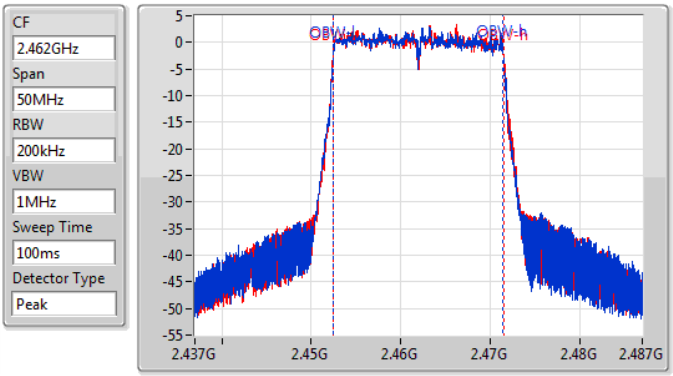
For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

2462MHz

10/07/2020



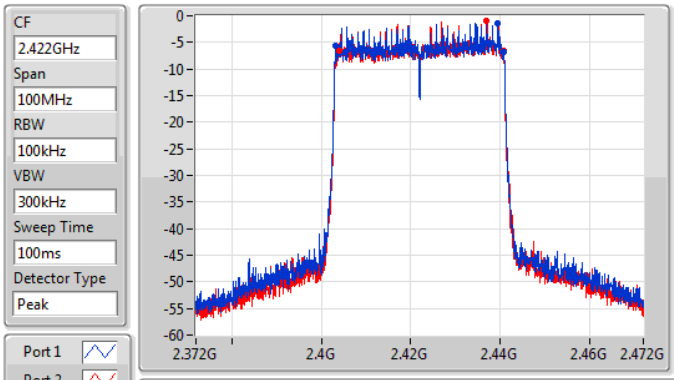


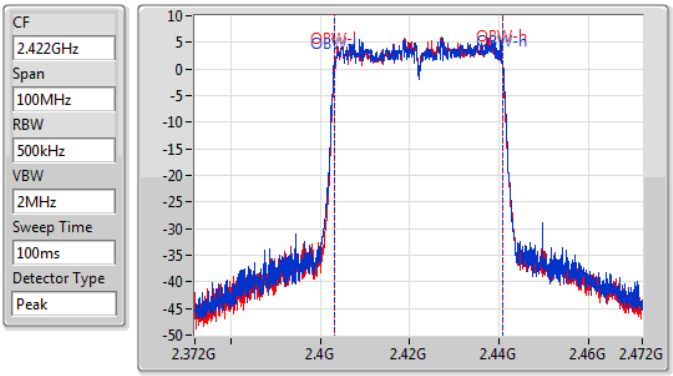
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.925M	2.4525G	2.471425G	19.015M	2.452455G	2.47147G	500k	1
18.95M	2.45255G	2.4715G	19.065M	2.452455G	2.47152G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

2422MHz

10/07/2020





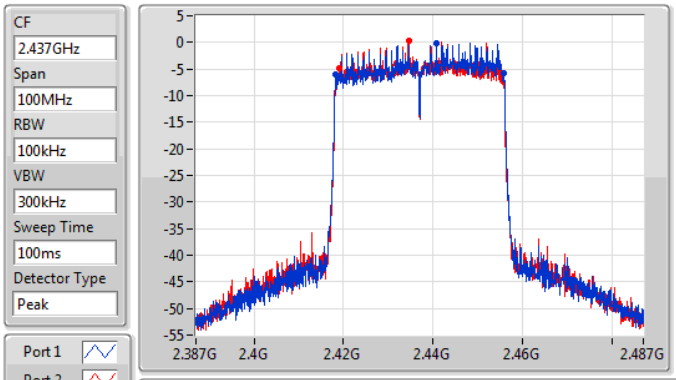
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.6M	2.4032G	2.4408G	37.681M	2.403159G	2.440841G	500k	1
36.8M	2.4039G	2.4407G	37.531M	2.403259G	2.440791G	500k	2

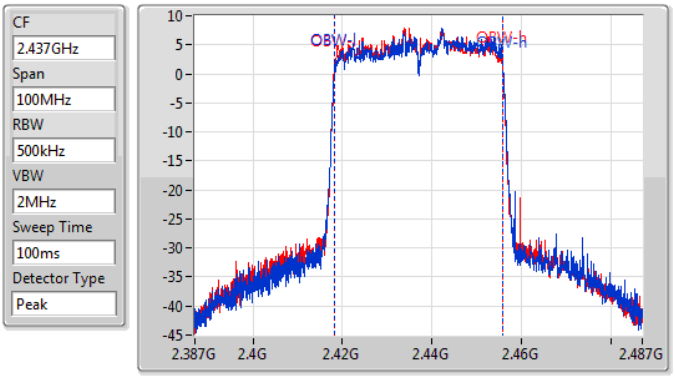
For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

2437MHz

10/07/2020



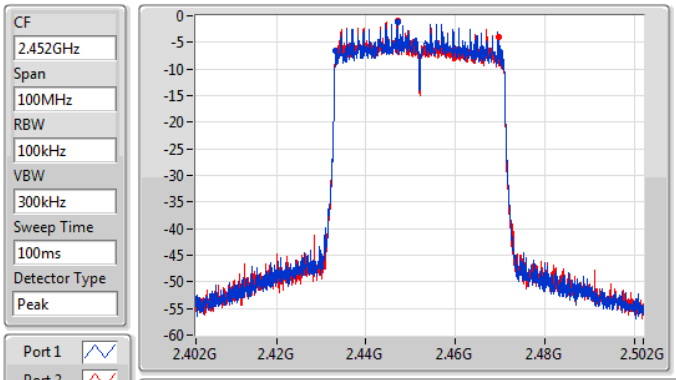


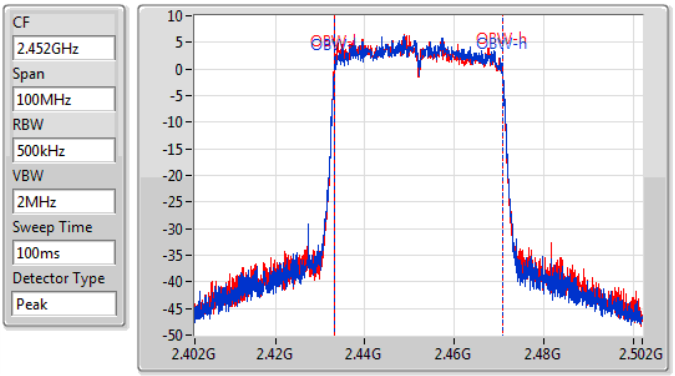
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.55M	2.41825G	2.4558G	37.481M	2.418309G	2.455791G	500k	1
35.95M	2.41895G	2.4549G	37.431M	2.418309G	2.455741G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

2452MHz

10/07/2020





6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.9M	2.4332G	2.4701G	37.381M	2.433309G	2.470691G	500k	1
36.05M	2.4335G	2.46955G	37.481M	2.433209G	2.470691G	500k	2

For EUT 1 / Radio 2_Non-Beamforming Mode
Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_4TX	28.96	0.78705
802.11g_Nss1,(6Mbps)_4TX	26.21	0.41783
802.11ax HEW20_Nss1,(MCS0)_4TX	25.71	0.37239
802.11ax HEW40_Nss1,(MCS0)_4TX	22.73	0.18750

For EUT 1 / Radio 2_Non-Beamforming Mode
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	4.00	22.47	22.67	22.10	21.81	28.30	30.00
2437MHz	Pass	4.00	23.00	23.47	22.82	22.39	28.96	30.00
2462MHz	Pass	4.00	21.53	21.57	21.15	20.62	27.25	30.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	4.00	16.25	16.58	16.41	16.21	22.39	30.00
2417MHz	Pass	4.00	18.01	18.01	17.82	17.78	23.93	30.00
2437MHz	Pass	4.00	20.13	20.46	20.09	20.07	26.21	30.00
2457MHz	Pass	4.00	16.46	16.32	16.3	16.04	22.30	30.00
2462MHz	Pass	4.00	15.04	15.25	15.14	14.98	21.12	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	4.00	15.64	15.44	15.3	15.14	21.40	30.00
2417MHz	Pass	4.00	17.84	17.94	17.65	17.61	23.78	30.00
2437MHz	Pass	4.00	19.82	19.86	19.57	19.50	25.71	30.00
2457MHz	Pass	4.00	16.24	16.26	16.33	16.2	22.28	30.00
2462MHz	Pass	4.00	13.32	13.28	12.96	12.95	19.15	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	4.00	15.64	15.65	15.69	15.56	21.66	30.00
2437MHz	Pass	4.00	16.72	16.77	16.8	16.53	22.73	30.00
2452MHz	Pass	4.00	15.33	15.38	15.46	15.22	21.37	30.00

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

For EUT 1 / Radio 2_Beamforming Mode
Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	25.71	0.37239
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	22.73	0.18750

For EUT 1 / Radio 2_Beamforming Mode
Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	10.02	15.64	15.44	15.3	15.14	21.40	25.98
2417MHz	Pass	10.02	17.84	17.94	17.65	17.61	23.78	25.98
2437MHz	Pass	10.02	19.82	19.86	19.57	19.5	25.71	25.98
2457MHz	Pass	10.02	16.24	16.26	16.33	16.2	22.28	25.98
2462MHz	Pass	10.02	13.32	13.28	12.96	12.95	19.15	25.98
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	10.02	15.64	15.65	15.69	15.56	21.66	25.98
2437MHz	Pass	10.02	16.72	16.77	16.8	16.53	22.73	25.98
2452MHz	Pass	10.02	15.33	15.38	15.46	15.22	21.37	25.98

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

For EUT 1 / Radio 3_Non-Beamforming Mode
Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	25.57	0.36058
802.11g_Nss1,(6Mbps)_2TX	23.59	0.22856
802.11ax HEW20_Nss1,(MCS0)_2TX	23.45	0.22131
802.11ax HEW40_Nss1,(MCS0)_2TX	19.54	0.08995

For EUT 1 / Radio 3_Non-Beamforming Mode
Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.30	21.39	21.46	24.44	30.00
2437MHz	Pass	2.30	22.61	22.50	25.57	30.00
2462MHz	Pass	2.30	21.56	21.25	24.42	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.30	15.72	15.96	18.85	30.00
2417MHz	Pass	2.30	18.24	18.47	21.37	30.00
2437MHz	Pass	2.30	20.45	20.71	23.59	30.00
2457MHz	Pass	2.30	16.58	16.86	19.73	30.00
2462MHz	Pass	2.30	15.00	15.21	18.12	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.30	16.73	16.70	19.73	30.00
2417MHz	Pass	2.30	17.75	17.86	20.82	30.00
2437MHz	Pass	2.30	20.35	20.53	23.45	30.00
2457MHz	Pass	2.30	15.88	16.15	19.03	30.00
2462MHz	Pass	2.30	13.04	13.16	16.11	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	2.30	15.42	15.66	18.55	30.00
2437MHz	Pass	2.30	16.48	16.57	19.54	30.00
2452MHz	Pass	2.30	14.73	14.66	17.71	30.00

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

For EUT 2 / Radio 2 / External Ant.1_Non-Beamforming Mode
Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_4TX	28.60	0.72444
802.11g_Nss1,(6Mbps)_4TX	25.92	0.39084
802.11ax HEW20_Nss1,(MCS0)_4TX	25.96	0.39446
802.11ax HEW40_Nss1,(MCS0)_4TX	22.06	0.16069

For EUT 2 / Radio 2 / External Ant.1_Non-Beamforming Mode
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	4.00	21.18	21.15	21.00	20.74	27.04	30.00
2437MHz	Pass	4.00	22.76	23.04	22.51	21.95	28.60	30.00
2462MHz	Pass	4.00	20.93	20.90	20.79	20.42	26.79	30.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	4.00	15.09	14.88	14.62	14.83	20.88	30.00
2417MHz	Pass	4.00	17.36	17.25	17.24	17.03	23.24	30.00
2437MHz	Pass	4.00	20.13	20.11	19.69	19.66	25.92	30.00
2457MHz	Pass	4.00	16.37	16.21	16.33	16.22	22.30	30.00
2462MHz	Pass	4.00	14.08	14.32	14.13	13.82	20.11	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	4.00	13.63	13.75	13.70	13.41	19.65	30.00
2417MHz	Pass	4.00	16.56	16.70	16.46	16.25	22.52	30.00
2437MHz	Pass	4.00	20.20	20.13	19.71	19.69	25.96	30.00
2457MHz	Pass	4.00	13.86	13.90	13.92	13.52	19.82	30.00
2462MHz	Pass	4.00	12.54	12.19	12.09	12.06	18.24	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	4.00	14.18	13.92	14.15	14.02	20.09	30.00
2437MHz	Pass	4.00	16.11	16.20	15.94	15.92	22.06	30.00
2452MHz	Pass	4.00	14.29	14.22	14.20	13.96	20.19	30.00

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

For EUT 2 / Radio 2 / External Ant.1_Beamforming Mode
Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	25.96	0.39446
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	22.06	0.16069

For EUT 2 / Radio 2 / External Ant.1_Beamforming Mode
Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	10.02	13.63	13.75	13.7	13.41	19.65	25.98
2417MHz	Pass	10.02	16.56	16.7	16.46	16.25	22.52	25.98
2437MHz	Pass	10.02	20.2	20.13	19.71	19.69	25.96	25.98
2457MHz	Pass	10.02	13.86	13.9	13.92	13.52	19.82	25.98
2462MHz	Pass	10.02	12.54	12.19	12.09	12.06	18.24	25.98
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	10.02	14.18	13.92	14.15	14.02	20.09	25.98
2437MHz	Pass	10.02	16.11	16.2	15.94	15.92	22.06	25.98
2452MHz	Pass	10.02	14.29	14.22	14.2	13.96	20.19	25.98

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

For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode
Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	25.06	0.32063
802.11g_Nss1,(6Mbps)_2TX	23.12	0.20512
802.11ax HEW20_Nss1,(MCS0)_2TX	23.19	0.20845
802.11ax HEW40_Nss1,(MCS0)_2TX	19.23	0.08375

For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode
Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.00	20.35	20.61	23.49	30.00
2437MHz	Pass	4.00	21.86	22.23	25.06	30.00
2462MHz	Pass	4.00	20.64	20.54	23.60	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.00	14.73	14.95	17.85	30.00
2417MHz	Pass	4.00	17.18	17.51	20.36	30.00
2437MHz	Pass	4.00	20.08	20.14	23.12	30.00
2457MHz	Pass	4.00	16.75	17.00	19.89	30.00
2462MHz	Pass	4.00	15.12	15.09	18.12	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.00	14.77	14.80	17.80	30.00
2417MHz	Pass	4.00	16.92	17.15	20.05	30.00
2437MHz	Pass	4.00	20.18	20.18	23.19	30.00
2457MHz	Pass	4.00	16.54	16.25	19.41	30.00
2462MHz	Pass	4.00	13.92	14.14	17.04	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.00	14.84	15.00	17.93	30.00
2437MHz	Pass	4.00	16.18	16.25	19.23	30.00
2452MHz	Pass	4.00	14.72	14.96	17.85	30.00

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

For EUT 2 / Radio 2 / External Ant.2_Non-Beamforming Mode
Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_4TX	27.82	0.60534
802.11g_Nss1,(6Mbps)_4TX	24.04	0.25351
802.11ax HEW20_Nss1,(MCS0)_4TX	23.09	0.20370
802.11ax HEW40_Nss1,(MCS0)_4TX	20.49	0.11194

For EUT 2 / Radio 2 / External Ant.2_Non-Beamforming Mode
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	8.00	20.70	20.82	20.38	20.29	26.57	28.00
2437MHz	Pass	8.00	22.05	22.14	21.61	21.35	27.82	28.00
2462MHz	Pass	8.00	20.84	20.79	20.49	20.24	26.62	28.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	8.00	13.21	13.27	13.17	13.00	19.18	28.00
2417MHz	Pass	8.00	14.23	14.15	14.05	14.03	20.14	28.00
2437MHz	Pass	8.00	18.12	18.24	17.98	17.70	24.04	28.00
2457MHz	Pass	8.00	14.65	14.65	14.52	14.46	20.59	28.00
2462MHz	Pass	8.00	13.92	13.88	13.97	13.67	19.88	28.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	8.00	12.39	12.47	12.43	12.06	18.36	28.00
2417MHz	Pass	8.00	15.19	14.98	14.91	14.75	20.98	28.00
2437MHz	Pass	8.00	17.21	17.24	16.96	16.86	23.09	28.00
2457MHz	Pass	8.00	12.87	12.91	12.96	12.64	18.87	28.00
2462MHz	Pass	8.00	11.96	11.92	11.89	11.69	17.89	28.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	8.00	12.40	12.45	12.39	12.24	18.39	28.00
2437MHz	Pass	8.00	14.55	14.57	14.45	14.29	20.49	28.00
2452MHz	Pass	8.00	13.27	13.24	13.02	13.14	19.19	28.00

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

For EUT 2 / Radio 2 / External Ant.2_Beamforming Mode
Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	21.74	0.14928
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	20.49	0.11194

For EUT 2 / Radio 2 / External Ant.2_Beamforming Mode
Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	14.02	12.39	12.47	12.43	12.06	18.36	21.98
2417MHz	Pass	14.02	15.19	14.98	14.91	14.75	20.98	21.98
2437MHz	Pass	14.02	15.96	15.82	15.50	15.58	21.74	21.98
2457MHz	Pass	14.02	12.87	12.91	12.96	12.64	18.87	21.98
2462MHz	Pass	14.02	11.96	11.92	11.89	11.69	17.89	21.98
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	14.02	12.4	12.45	12.39	12.24	18.39	21.98
2437MHz	Pass	14.02	14.55	14.57	14.45	14.29	20.49	21.98
2452MHz	Pass	14.02	13.27	13.24	13.02	13.14	19.19	21.98

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

For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode
Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	25.10	0.32359
802.11g_Nss1,(6Mbps)_2TX	22.58	0.18113
802.11ax HEW20_Nss1,(MCS0)_2TX	21.20	0.13183
802.11ax HEW40_Nss1,(MCS0)_2TX	17.53	0.05662

For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode
Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	8.00	20.01	20.28	23.16	28.00
2437MHz	Pass	8.00	22.15	22.03	25.10	28.00
2462MHz	Pass	8.00	20.27	20.25	23.27	28.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	8.00	13.30	13.67	16.50	28.00
2417MHz	Pass	8.00	15.63	15.83	18.74	28.00
2437MHz	Pass	8.00	19.51	19.63	22.58	28.00
2457MHz	Pass	8.00	15.65	15.64	18.66	28.00
2462MHz	Pass	8.00	13.29	13.55	16.43	28.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	8.00	13.25	13.39	16.33	28.00
2417MHz	Pass	8.00	15.91	15.93	18.93	28.00
2437MHz	Pass	8.00	18.07	18.31	21.20	28.00
2457MHz	Pass	8.00	15.11	15.08	18.11	28.00
2462MHz	Pass	8.00	12.48	12.61	15.56	28.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	8.00	13.34	13.29	16.33	28.00
2437MHz	Pass	8.00	14.44	14.60	17.53	28.00
2452MHz	Pass	8.00	13.13	13.12	16.14	28.00

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

For EUT 1 / Radio 2_Non-Beamforming Mode
Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_4TX	3.84
802.11g_Nss1,(6Mbps)_4TX	0.78
802.11ax HEW20_Nss1,(MCS0)_4TX	1.08
802.11ax HEW40_Nss1,(MCS0)_4TX	-6.32

RBW = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

For EUT 1 / Radio 2_Non-Beamforming Mode
Result

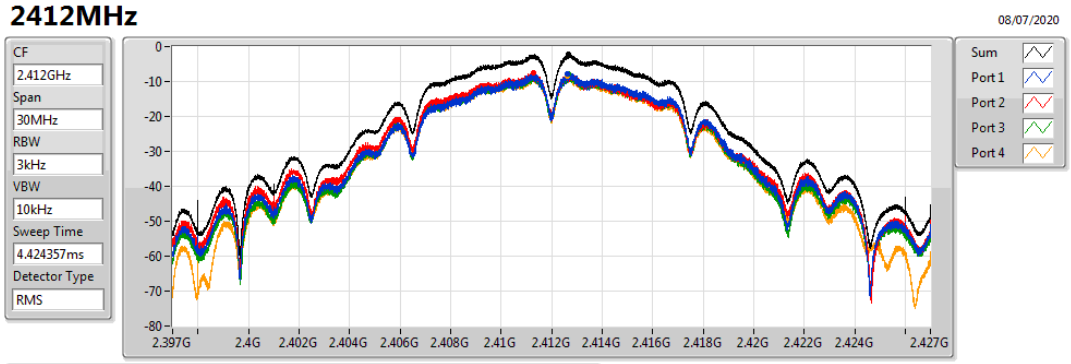
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	10.02	-7.66	-7.43	-7.92	-8.40	-2.26	3.98
2437MHz	Pass	10.02	-7.05	-6.51	-7.20	-7.10	-1.51	3.98
2462MHz	Pass	10.02	-1.01	-0.52	-0.16	-0.65	3.84	3.98
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	10.02	-8.60	-9.30	-7.67	-8.89	-3.35	3.98
2437MHz	Pass	10.02	-4.39	-4.23	-4.19	-5.37	0.78	3.98
2462MHz	Pass	10.02	-10.36	-10.15	-10.79	-10.60	-4.63	3.98
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	10.02	-10.67	-8.96	-9.69	-10.17	-3.81	3.98
2437MHz	Pass	10.02	-4.27	-6.36	-4.51	-4.39	1.08	3.98
2462MHz	Pass	10.02	-12.55	-11.36	-13.03	-11.39	-6.00	3.98
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	10.02	-13.15	-12.96	-12.42	-13.38	-7.14	3.98
2437MHz	Pass	10.02	-11.45	-12.08	-12.58	-12.68	-6.32	3.98
2452MHz	Pass	10.02	-14.11	-12.90	-13.09	-12.72	-7.69	3.98

DG = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

For EUT 1 / Radio 2_Non-Beamforming Mode

802.11b_Nss1,(1Mbps)_4TX **PSD**

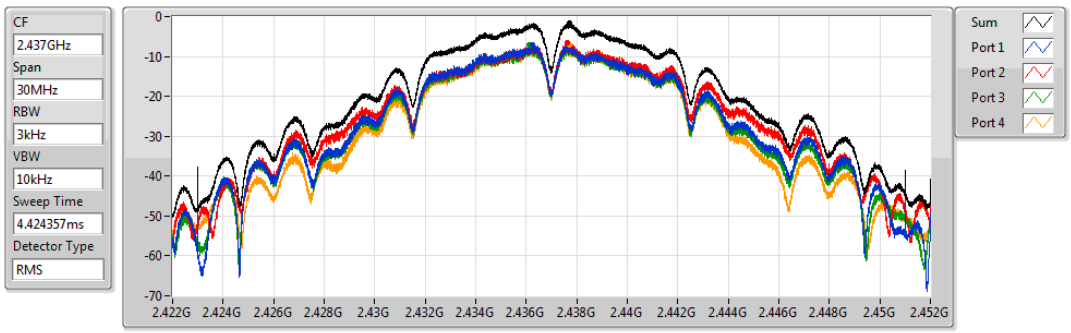
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.26	-2.26	-7.66	-7.43	-7.92	-8.40

802.11b_Nss1,(1Mbps)_4TX **PSD**

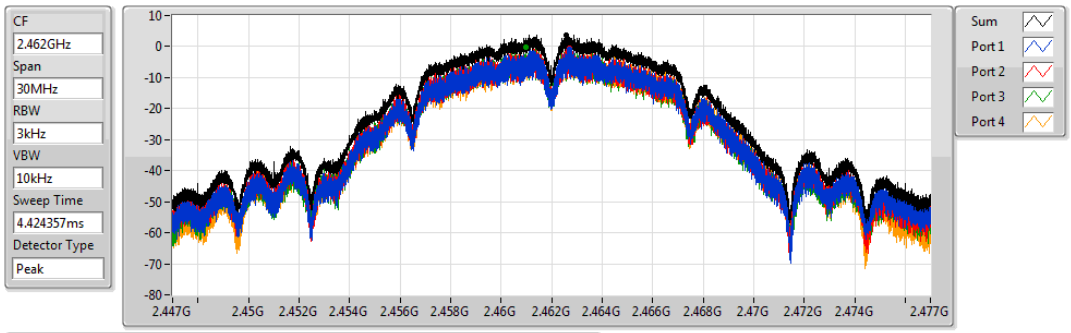
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.51	-1.51	-7.05	-6.51	-7.20	-7.10

802.11b_Nss1,(1Mbps)_4TX **PSD**

2462MHz



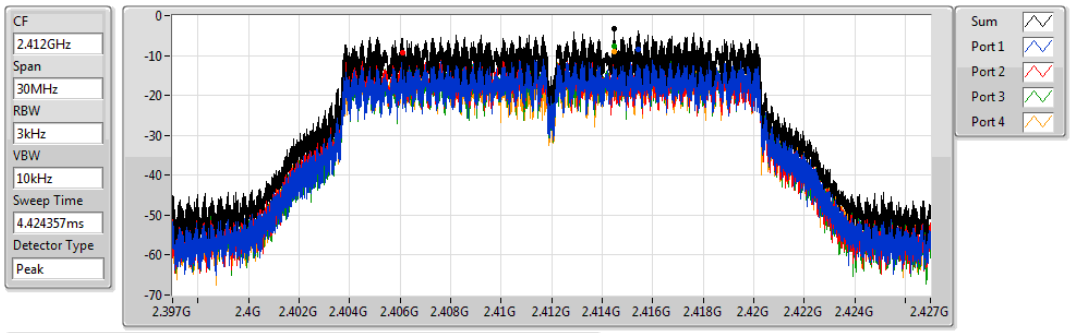
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.84	3.84	-1.01	-0.52	-0.16	-0.65

For EUT 1 / Radio 2_Non-Beamforming Mode

802.11g_Nss1,(6Mbps)_4TX **PSD**

2412MHz

08/07/2020

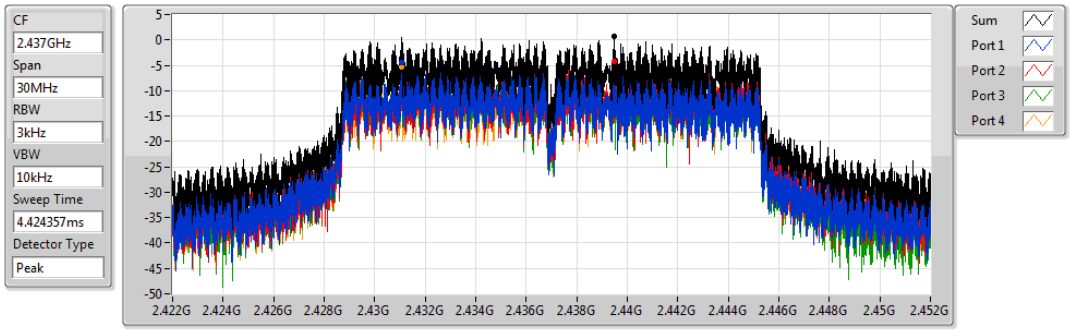


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.35	-3.35	-8.60	-9.30	-7.67	-8.89

802.11g_Nss1,(6Mbps)_4TX **PSD**

2437MHz

08/07/2020

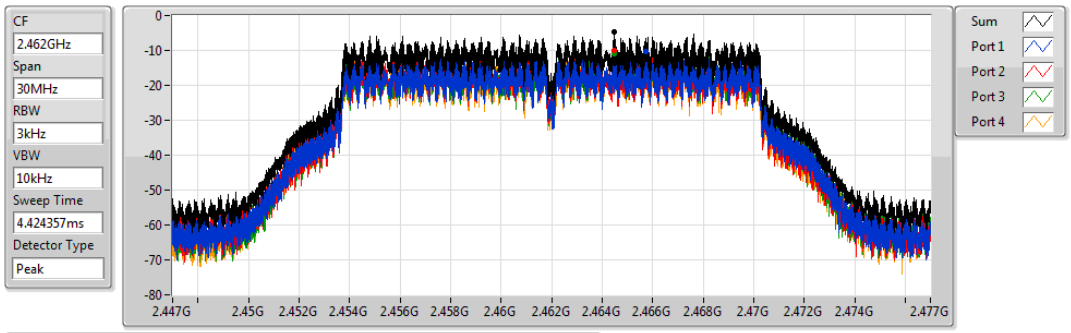


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.78	0.78	-4.39	-4.23	-4.19	-5.37

802.11g_Nss1,(6Mbps)_4TX **PSD**

2462MHz

08/07/2020

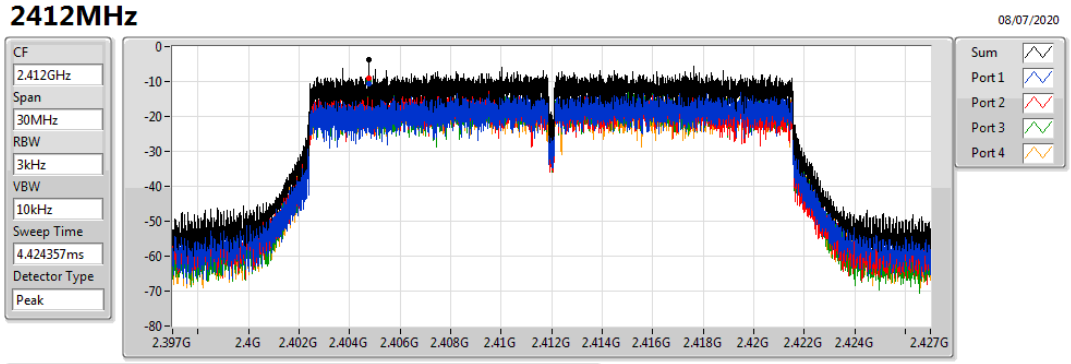


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.63	-4.63	-10.36	-10.15	-10.79	-10.60

For EUT 1 / Radio 2_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_4TX **PSD**

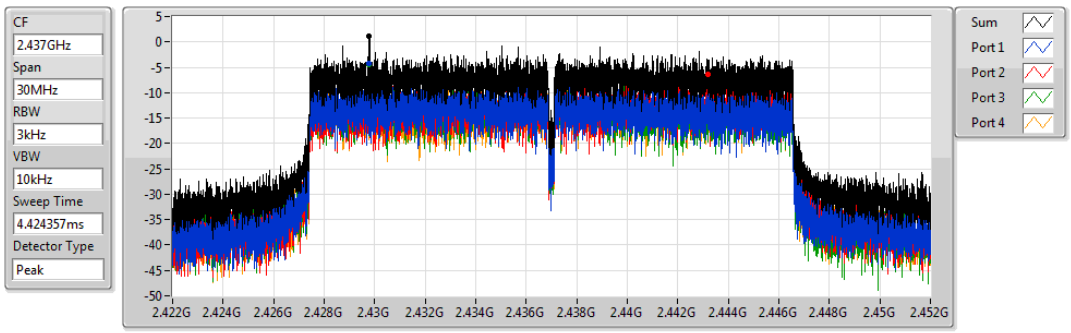
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.81	-3.81	-10.67	-8.96	-9.69	-10.17

802.11ax HEW20_Nss1,(MCS0)_4TX **PSD**

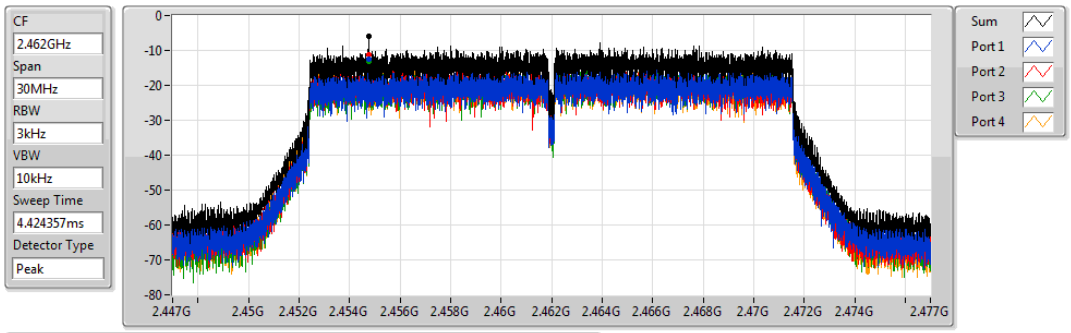
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.08	1.08	-4.27	-6.36	-4.51	-4.39

802.11ax HEW20_Nss1,(MCS0)_4TX **PSD**

2462MHz

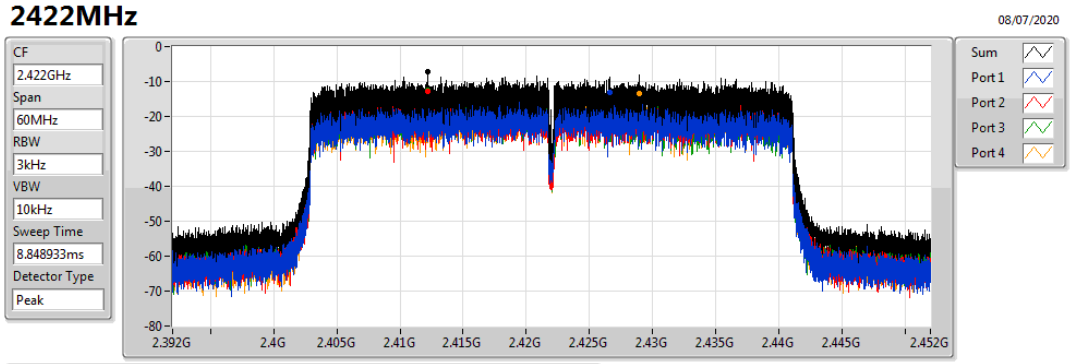


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.00	-6.00	-12.55	-11.36	-13.03	-11.39

For EUT 1 / Radio 2_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_4TX **PSD**

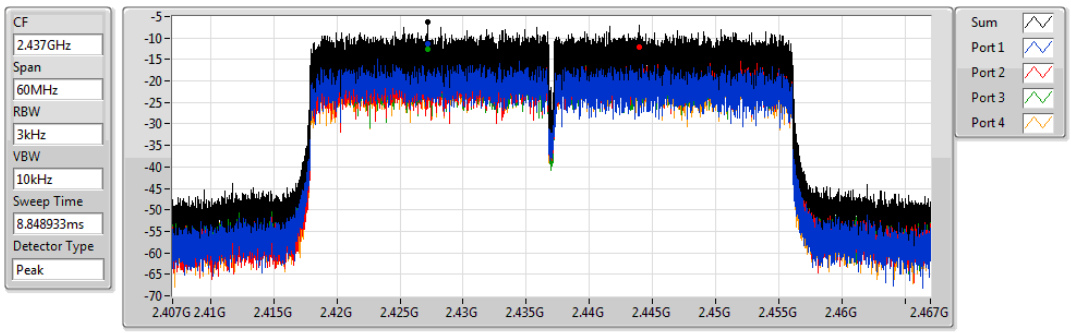
2422MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.14	-7.14	-13.15	-12.96	-12.42	-13.38

802.11ax HEW40_Nss1,(MCS0)_4TX **PSD**

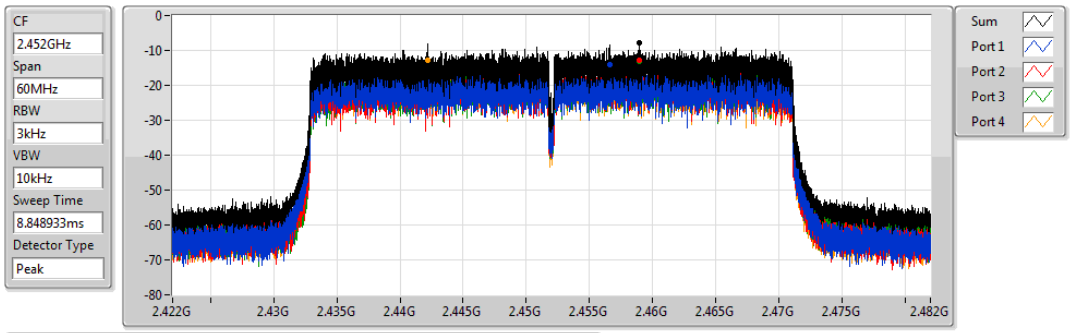
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.32	-6.32	-11.45	-12.08	-12.58	-12.68

802.11ax HEW40_Nss1,(MCS0)_4TX **PSD**

2452MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.69	-7.69	-14.11	-12.90	-13.09	-12.72

For EUT 1 / Radio 3_Non-Beamforming Mode
Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	3.00
802.11g_Nss1,(6Mbps)_2TX	-1.63
802.11ax HEW20_Nss1,(MCS0)_2TX	-2.01
802.11ax HEW40_Nss1,(MCS0)_2TX	-9.73

RBW=3 kHz.

For EUT 1 / Radio 3_Non-Beamforming Mode
Result

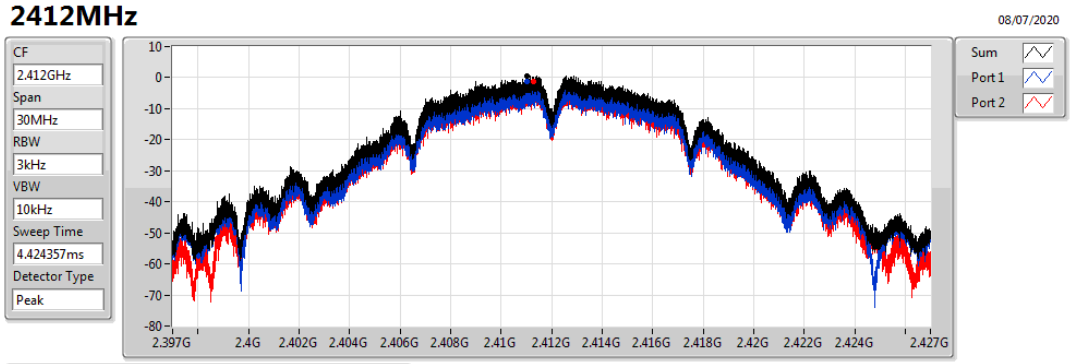
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.31	-1.29	-1.09	0.59	8.00
2437MHz	Pass	5.31	0.44	-0.05	1.66	8.00
2462MHz	Pass	5.31	0.62	0.00	3.00	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.31	-9.76	-10.17	-7.17	8.00
2437MHz	Pass	5.31	-4.80	-2.67	-1.63	8.00
2462MHz	Pass	5.31	-10.53	-10.27	-7.77	8.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.31	-9.24	-10.08	-7.27	8.00
2437MHz	Pass	5.31	-5.40	-4.63	-2.01	8.00
2462MHz	Pass	5.31	-11.42	-13.19	-9.33	8.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.31	-14.01	-14.14	-11.28	8.00
2437MHz	Pass	5.31	-12.51	-11.94	-9.73	8.00
2452MHz	Pass	5.31	-13.95	-14.40	-11.23	8.00

DG = Directional Gain; RBW=3 kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

For EUT 1 / Radio 3_Non-Beamforming Mode

802.11b_Nss1,(1Mbps)_2TX **PSD**

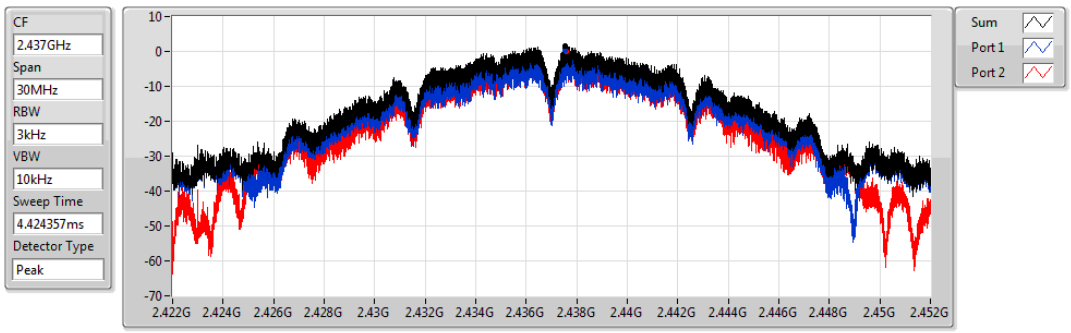
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.59	0.59	-1.29	-1.09

802.11b_Nss1,(1Mbps)_2TX **PSD**

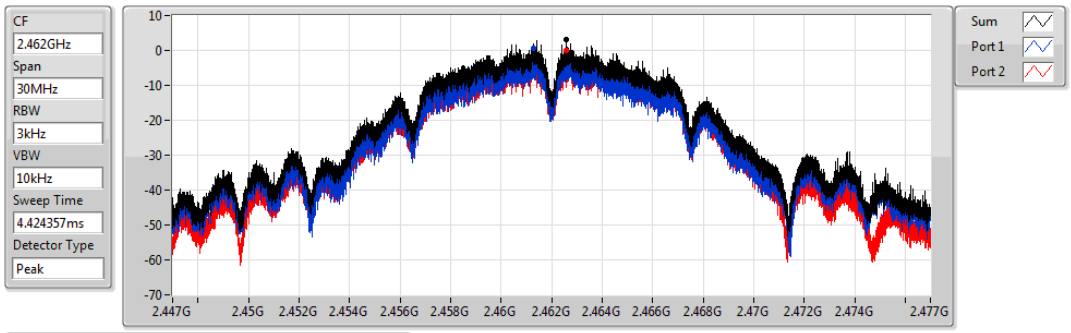
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.66	1.66	0.44	-0.05

802.11b_Nss1,(1Mbps)_2TX **PSD**

2462MHz

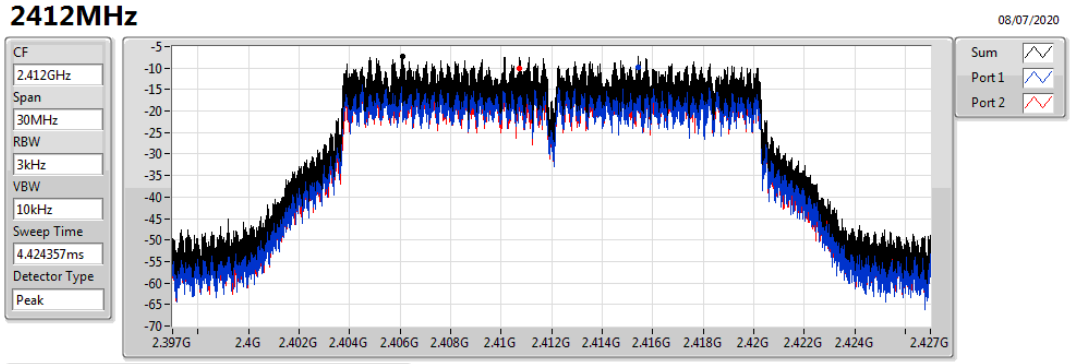


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.00	3.00	0.62	0.00

For EUT 1 / Radio 3_Non-Beamforming Mode

802.11g_Nss1,(6Mbps)_2TX **PSD**

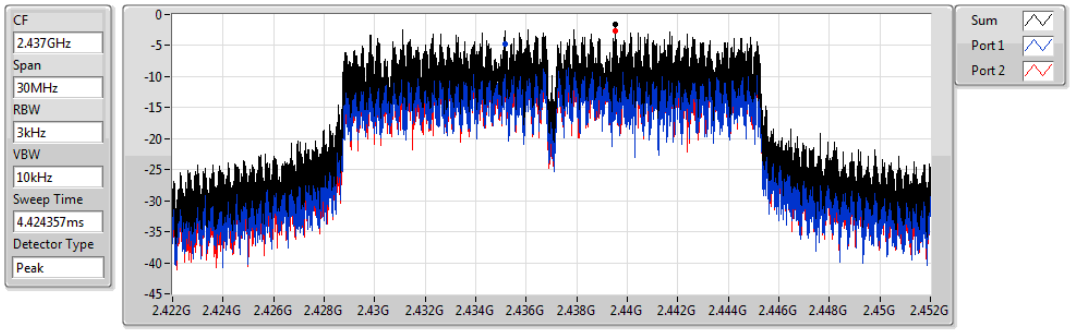
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.17	-7.17	-9.76	-10.17

802.11g_Nss1,(6Mbps)_2TX **PSD**

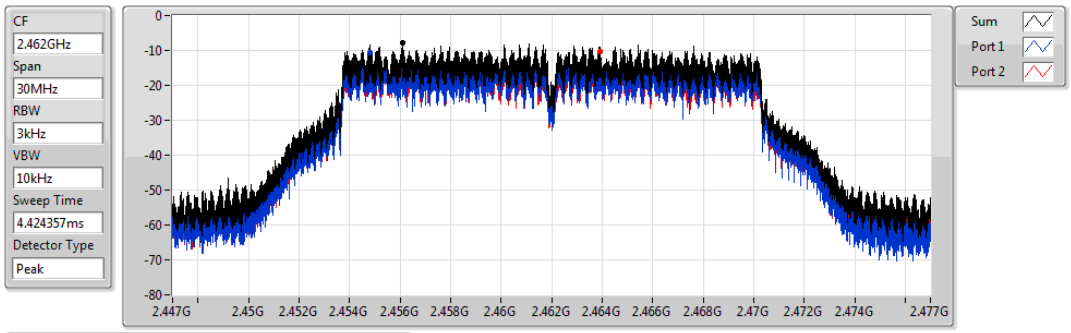
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.63	-1.63	-4.80	-2.67

802.11g_Nss1,(6Mbps)_2TX **PSD**

2462MHz

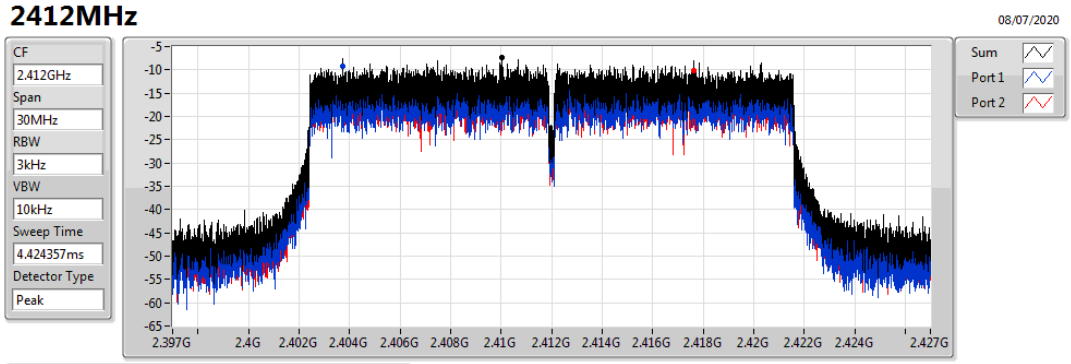


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.77	-7.77	-10.53	-10.27

For EUT 1 / Radio 3_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_2TX **PSD**

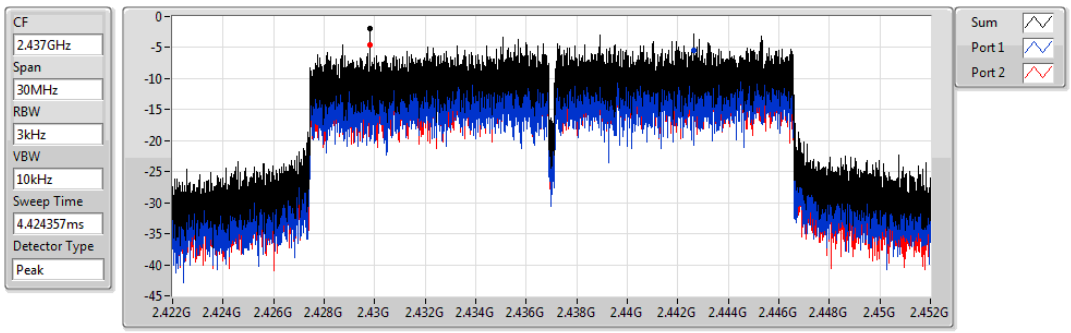
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.27	-7.27	-9.24	-10.08

802.11ax HEW20_Nss1,(MCS0)_2TX **PSD**

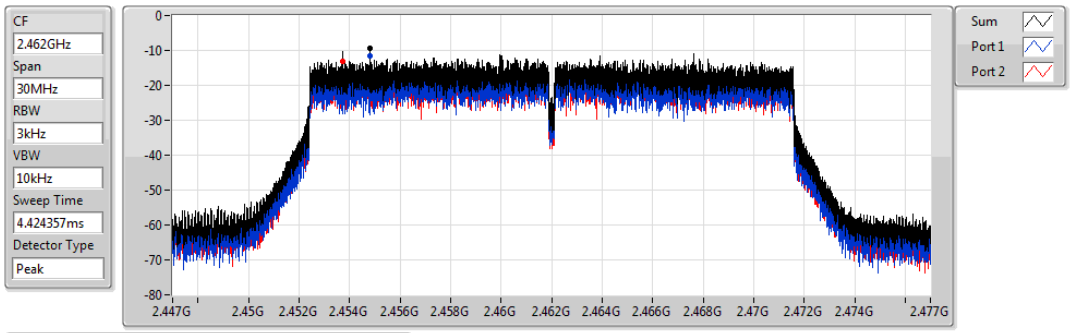
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.01	-2.01	-5.40	-4.63

802.11ax HEW20_Nss1,(MCS0)_2TX **PSD**

2462MHz

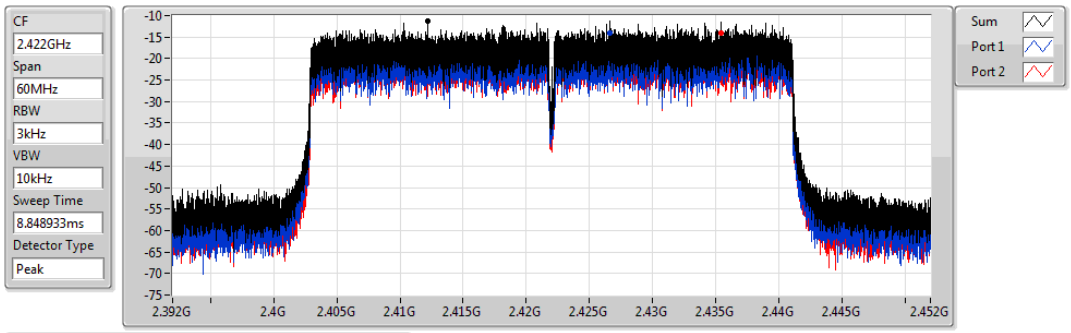


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.33	-9.33	-11.42	-13.19

For EUT 1 / Radio 3_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_2TX **PSD**

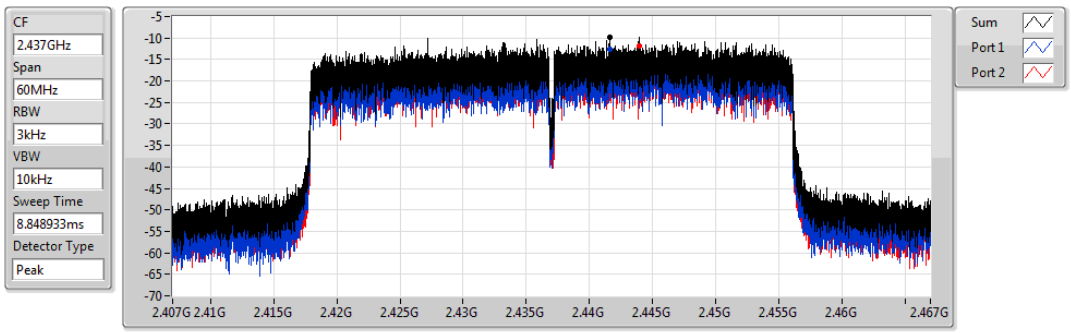
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.28	-11.28	-14.01	-14.14

802.11ax HEW40_Nss1,(MCS0)_2TX **PSD**

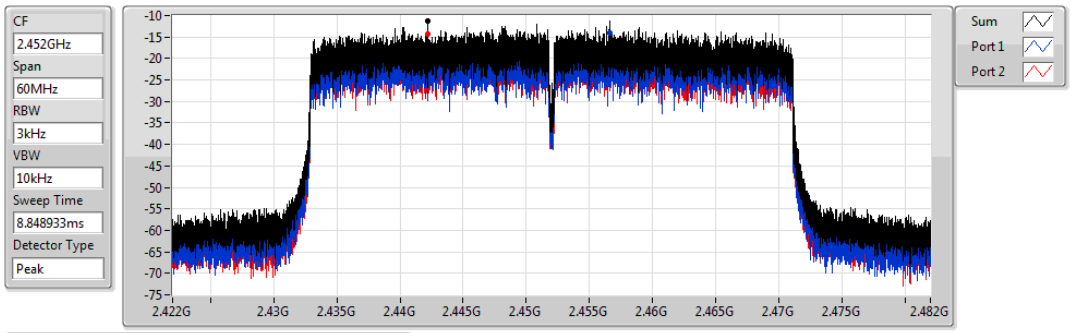
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.73	-9.73	-12.51	-11.94

802.11ax HEW40_Nss1,(MCS0)_2TX **PSD**

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.23	-11.23	-13.95	-14.40

For EUT 2 / Radio 2 / External Ant.1_Non-Beamforming Mode
Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_4TX	3.79
802.11g_Nss1,(6Mbps)_4TX	-0.09
802.11ax HEW20_Nss1,(MCS0)_4TX	-1.10
802.11ax HEW40_Nss1,(MCS0)_4TX	-7.32

RBW = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

For EUT 2 / Radio 2 / External Ant.1_Non-Beamforming Mode
Result

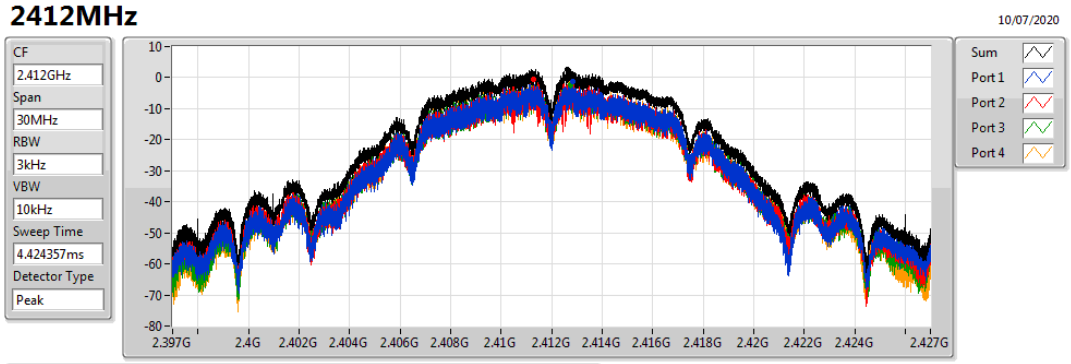
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	10.02	-1.39	-0.59	-2.13	-1.94	2.68	3.98
2437MHz	Pass	10.02	-0.86	0.74	-1.02	-0.40	3.79	3.98
2462MHz	Pass	10.02	-1.65	-1.59	-1.39	-1.43	2.27	3.98
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	10.02	-10.54	-11.36	-12.17	-11.09	-6.11	3.98
2437MHz	Pass	10.02	-5.63	-5.31	-6.11	-5.01	-0.09	3.98
2462MHz	Pass	10.02	-11.42	-11.86	-11.11	-11.01	-5.32	3.98
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	10.02	-13.54	-10.88	-13.32	-12.35	-6.40	3.98
2437MHz	Pass	10.02	-4.66	-5.38	-7.12	-7.46	-1.10	3.98
2462MHz	Pass	10.02	-13.61	-14.05	-12.63	-13.94	-7.50	3.98
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	10.02	-15.30	-15.71	-15.26	-14.67	-9.49	3.98
2437MHz	Pass	10.02	-12.71	-12.44	-13.64	-12.79	-7.32	3.98
2452MHz	Pass	10.02	-15.65	-14.42	-14.40	-15.01	-9.25	3.98

DG = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

For EUT 2 / Radio 2 / External Ant.1_Non-Beamforming Mode

802.11b_Nss1,(1Mbps)_4TX **PSD**

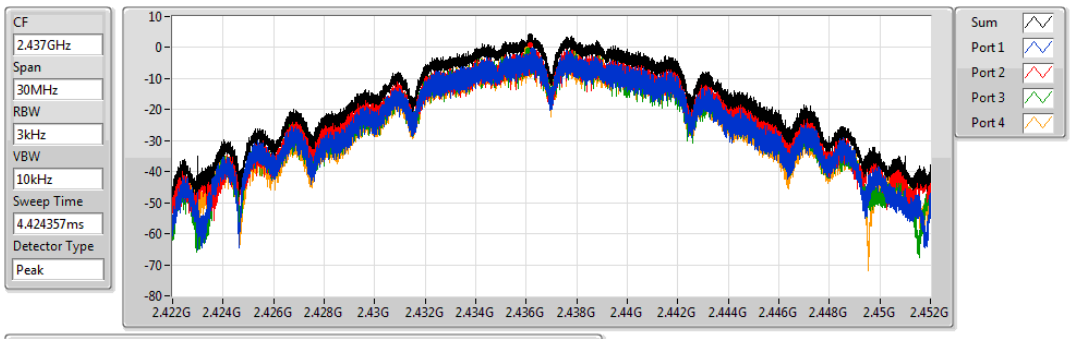
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.68	2.68	-1.39	-0.59	-2.13	-1.94

802.11b_Nss1,(1Mbps)_4TX **PSD**

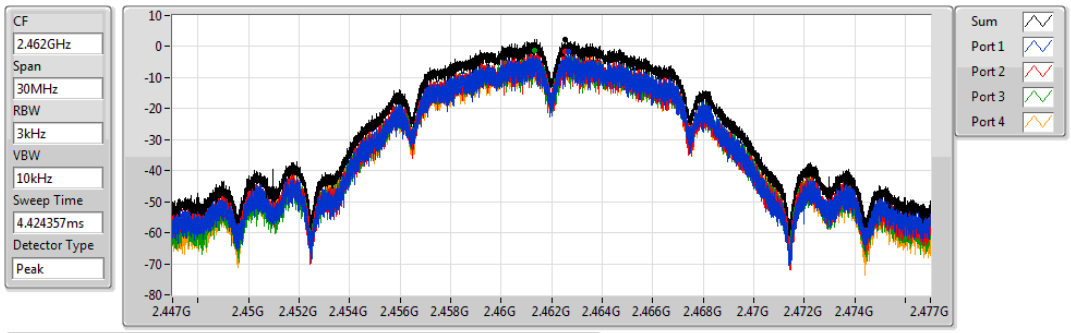
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.79	3.79	-0.86	0.74	-1.02	-0.40

802.11b_Nss1,(1Mbps)_4TX **PSD**

2462MHz

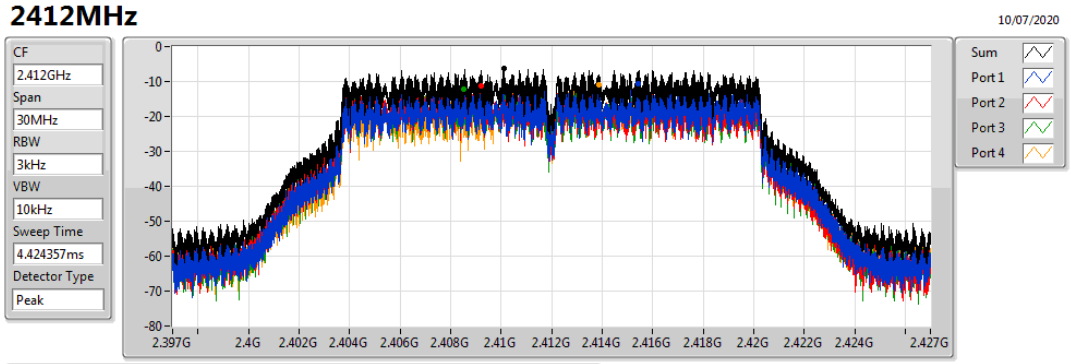


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.27	2.27	-1.65	-1.59	-1.39	-1.43

For EUT 2 / Radio 2 / External Ant.1_Non-Beamforming Mode

802.11g_Nss1,(6Mbps)_4TX **PSD**

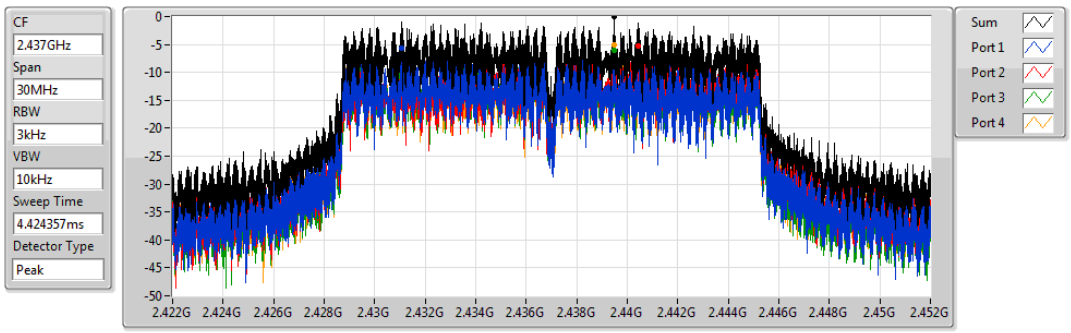
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.11	-6.11	-10.54	-11.36	-12.17	-11.09

802.11g_Nss1,(6Mbps)_4TX **PSD**

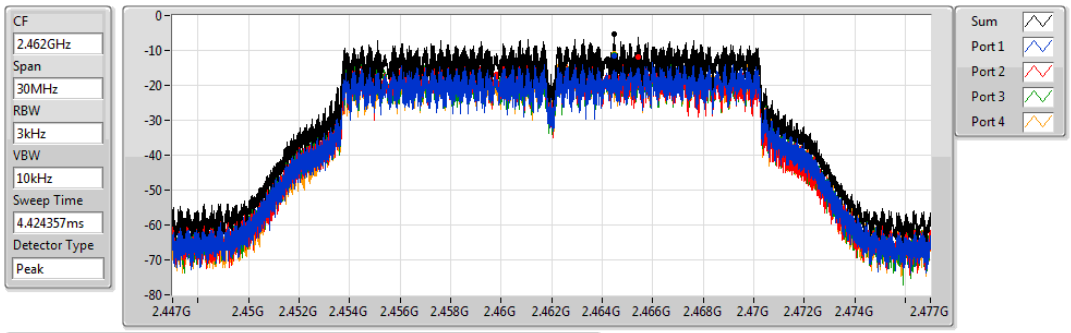
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.09	-0.09	-5.63	-5.31	-6.11	-5.01

802.11g_Nss1,(6Mbps)_4TX **PSD**

2462MHz

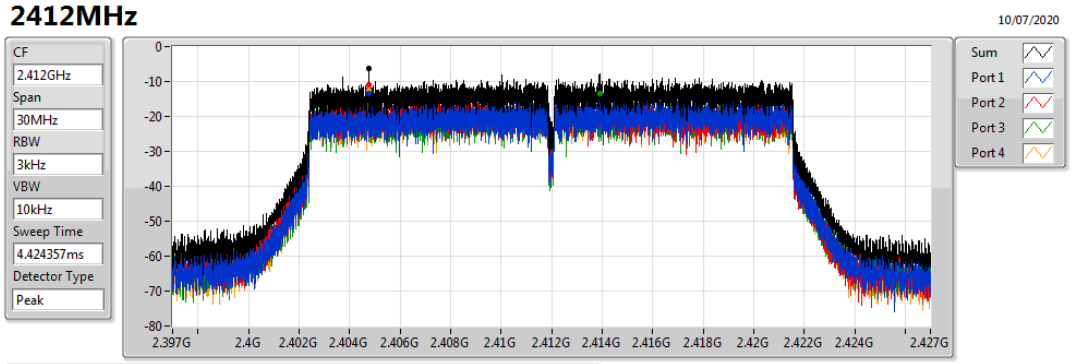


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.32	-5.32	-11.42	-11.86	-11.11	-11.01

For EUT 2 / Radio 2 / External Ant.1_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_4TX **PSD**

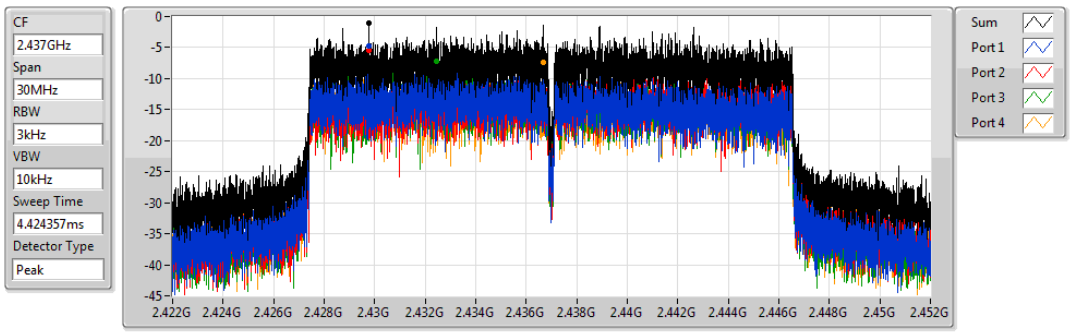
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.40	-6.40	-13.54	-10.88	-13.32	-12.35

802.11ax HEW20_Nss1,(MCS0)_4TX **PSD**

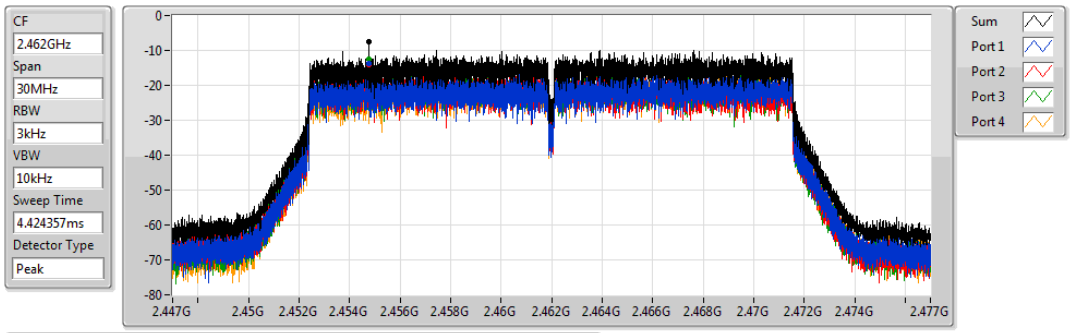
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.10	-1.10	-4.66	-5.38	-7.12	-7.46

802.11ax HEW20_Nss1,(MCS0)_4TX **PSD**

2462MHz

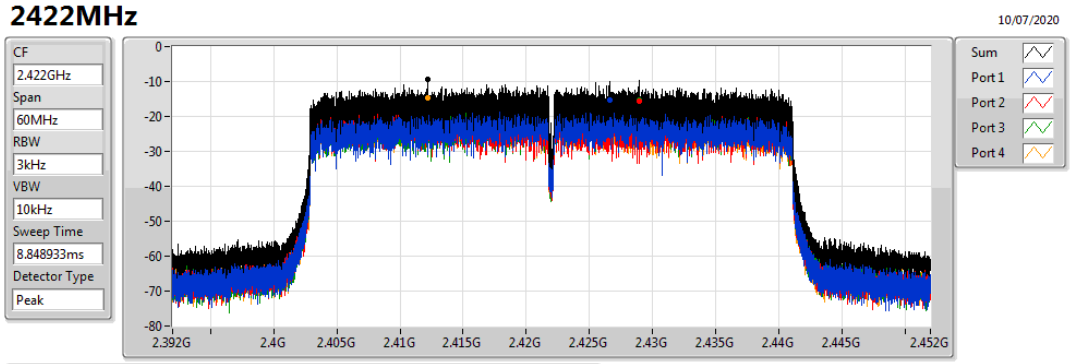


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.50	-7.50	-13.61	-14.05	-12.63	-13.94

For EUT 2 / Radio 2 / External Ant.1_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_4TX **PSD**

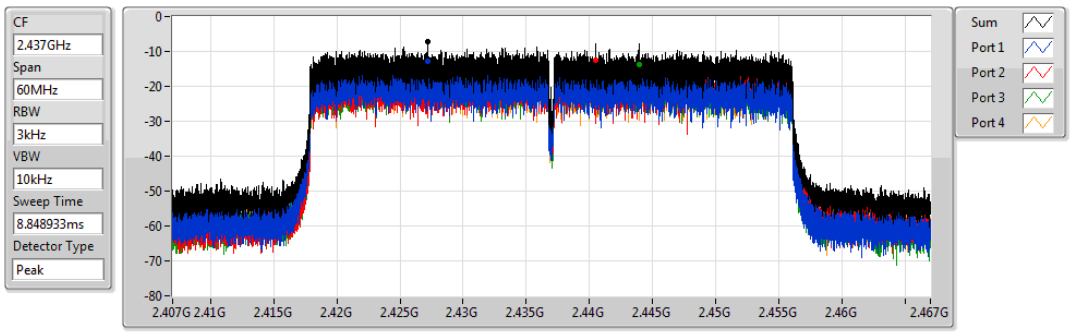
2422MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.49	-9.49	-15.30	-15.71	-15.26	-14.67

802.11ax HEW40_Nss1,(MCS0)_4TX **PSD**

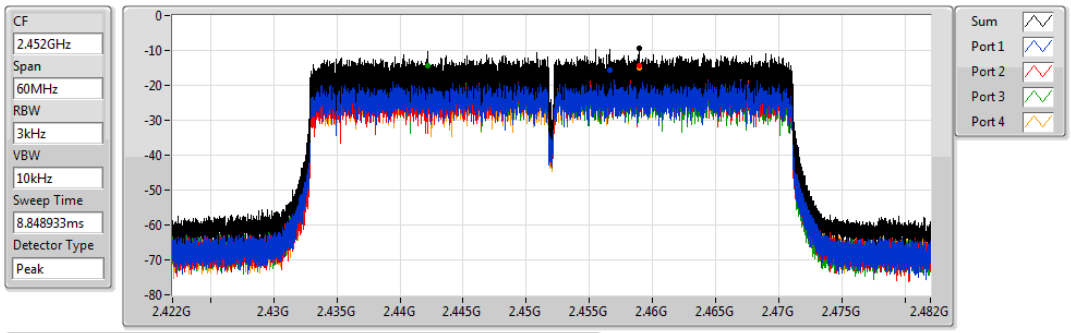
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.32	-7.32	-12.71	-12.44	-13.64	-12.79

802.11ax HEW40_Nss1,(MCS0)_4TX **PSD**

2452MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.25	-9.25	-15.65	-14.42	-14.40	-15.01

For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode
Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	0.98
802.11g_Nss1,(6Mbps)_2TX	-3.05
802.11ax HEW20_Nss1,(MCS0)_2TX	-4.40
802.11ax HEW40_Nss1,(MCS0)_2TX	-10.52

RBW = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode
Result

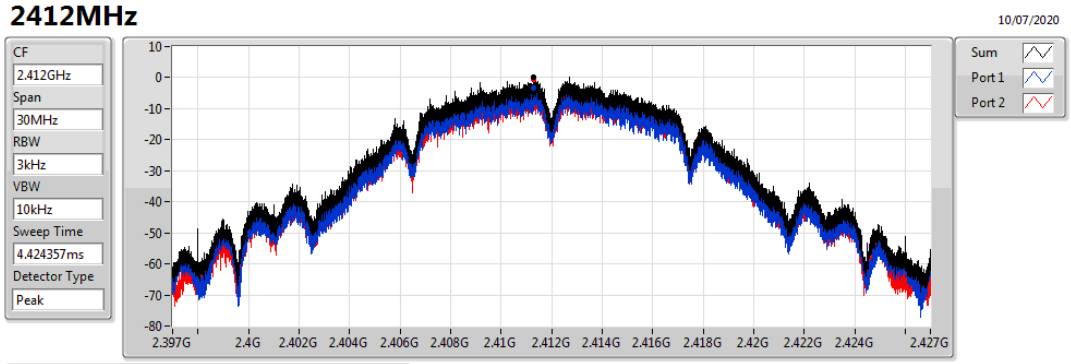
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.01	-3.26	-0.71	0.18	6.99
2437MHz	Pass	7.01	-1.12	-1.33	0.98	6.99
2462MHz	Pass	7.01	-1.21	-1.76	0.35	6.99
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.01	-10.99	-11.25	-8.11	6.99
2437MHz	Pass	7.01	-6.05	-5.58	-3.05	6.99
2462MHz	Pass	7.01	-10.49	-10.60	-8.09	6.99
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.01	-12.39	-10.15	-9.42	6.99
2437MHz	Pass	7.01	-6.31	-6.89	-4.40	6.99
2462MHz	Pass	7.01	-10.91	-10.16	-7.51	6.99
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.01	-15.22	-13.60	-11.44	6.99
2437MHz	Pass	7.01	-13.16	-13.10	-10.52	6.99
2452MHz	Pass	7.01	-14.25	-13.63	-10.92	6.99

DG = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode

802.11b_Nss1,(1Mbps)_2TX **PSD**

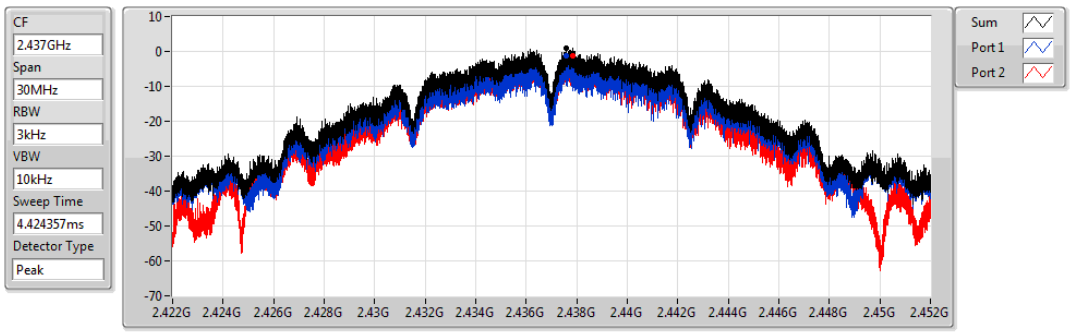
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.18	0.18	-3.26	-0.71

802.11b_Nss1,(1Mbps)_2TX **PSD**

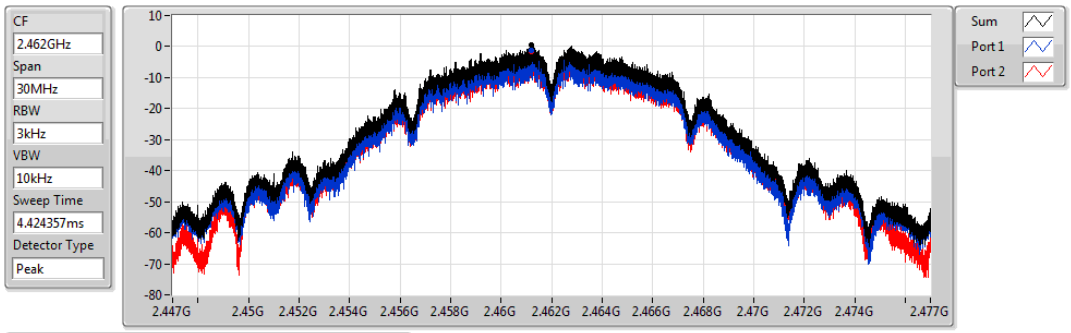
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.98	0.98	-1.12	-1.33

802.11b_Nss1,(1Mbps)_2TX **PSD**

2462MHz

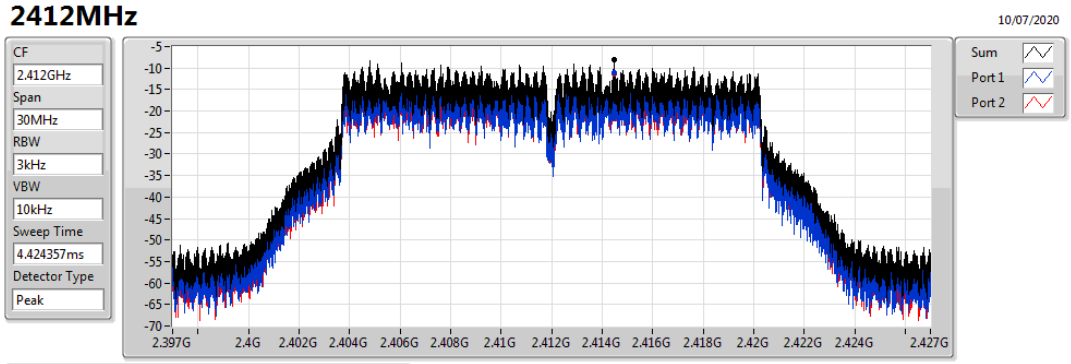


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.35	0.35	-1.21	-1.76

For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode

802.11g_Nss1,(6Mbps)_2TX **PSD**

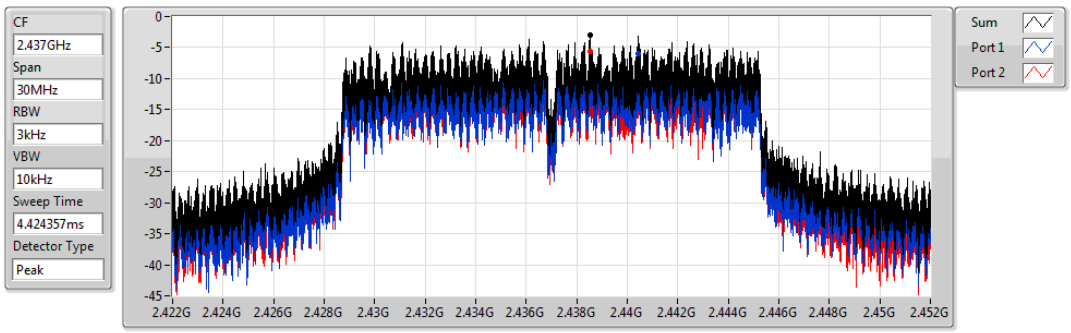
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.11	-8.11	-10.99	-11.25

802.11g_Nss1,(6Mbps)_2TX **PSD**

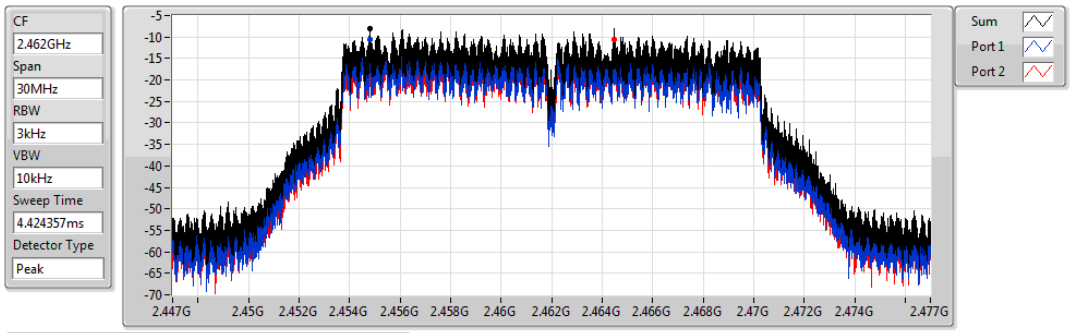
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.05	-3.05	-6.05	-5.58

802.11g_Nss1,(6Mbps)_2TX **PSD**

2462MHz

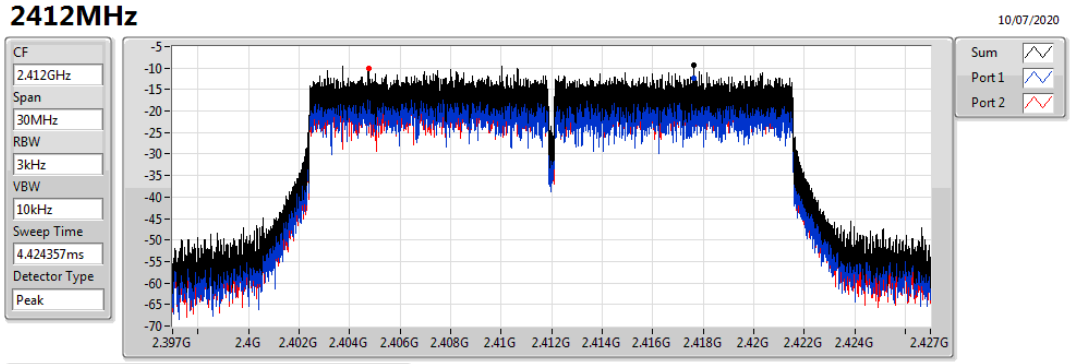


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.09	-8.09	-10.49	-10.60

For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_2TX **PSD**

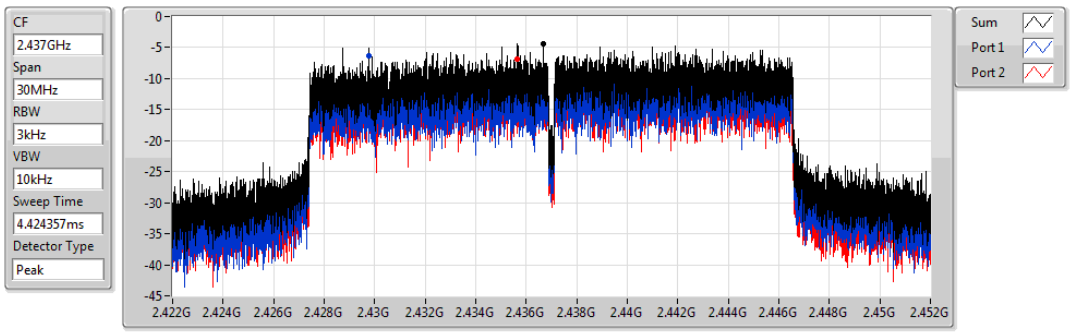
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.42	-9.42	-12.39	-10.15

802.11ax HEW20_Nss1,(MCS0)_2TX **PSD**

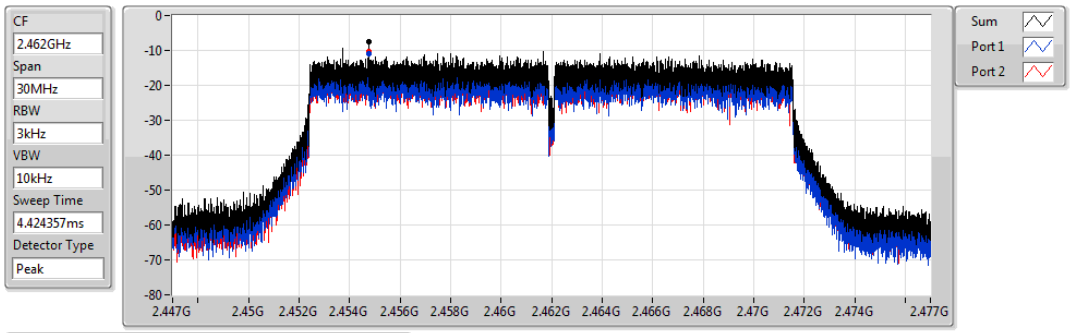
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.40	-4.40	-6.31	-6.89

802.11ax HEW20_Nss1,(MCS0)_2TX **PSD**

2462MHz

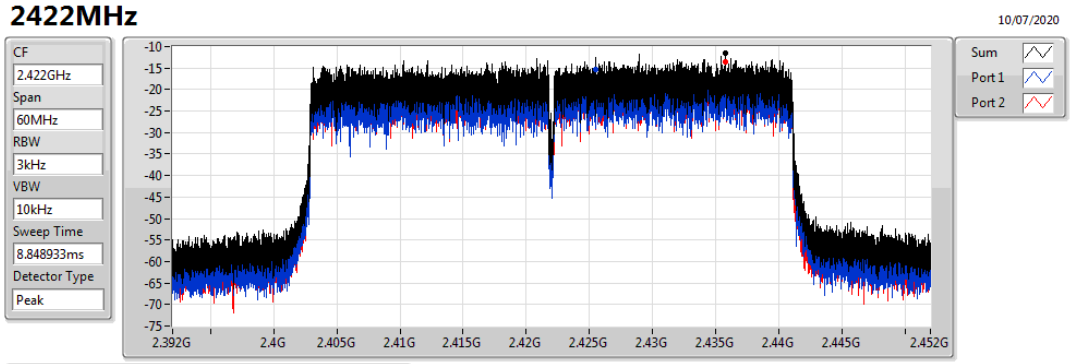


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.51	-7.51	-10.91	-10.16

For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_2TX **PSD**

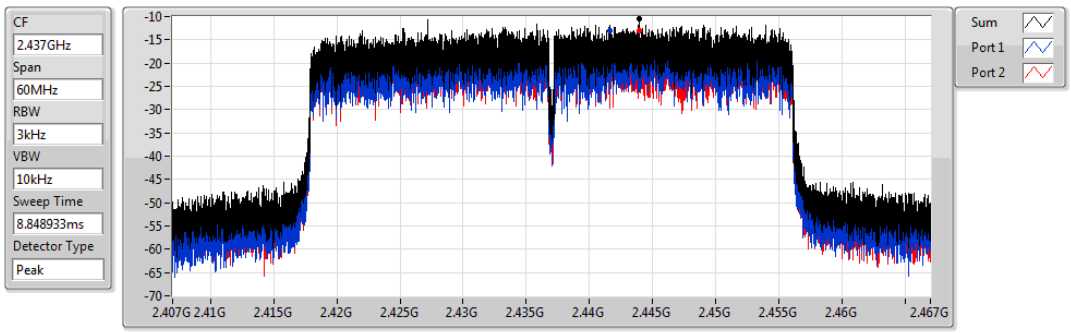
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.44	-11.44	-15.22	-13.60

802.11ax HEW40_Nss1,(MCS0)_2TX **PSD**

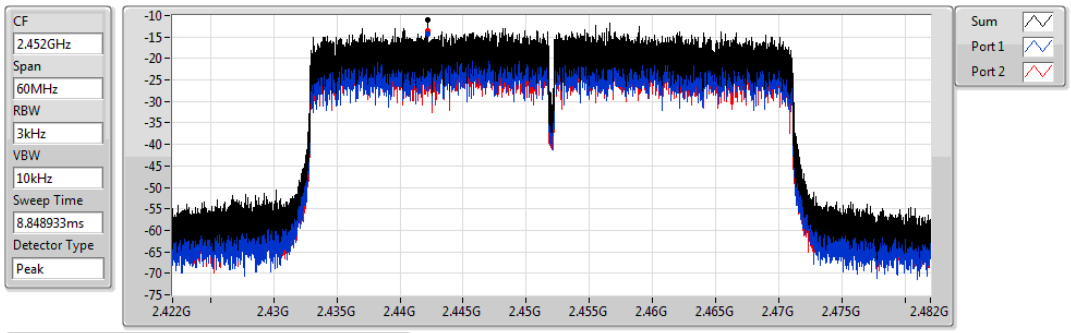
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.52	-10.52	-13.16	-13.10

802.11ax HEW40_Nss1,(MCS0)_2TX **PSD**

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.92	-10.92	-14.25	-13.63

For EUT 2 / Radio 2 / External Ant.2_Non-Beamforming Mode
Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_4TX	-3.45
802.11g_Nss1,(6Mbps)_4TX	-1.75
802.11ax HEW20_Nss1,(MCS0)_4TX	-4.66
802.11ax HEW40_Nss1,(MCS0)_4TX	-9.87

RBW = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

For EUT 2 / Radio 2 / External Ant.2_Non-Beamforming Mode
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	14.02	-9.87	-9.75	-10.71	-10.55	-4.72	-0.02
2437MHz	Pass	14.02	-8.87	-8.86	-8.78	-9.51	-3.45	-0.02
2462MHz	Pass	14.02	-9.79	-9.80	-10.19	-10.59	-4.54	-0.02
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	14.02	-13.19	-12.73	-12.13	-13.25	-7.30	-0.02
2437MHz	Pass	14.02	-8.05	-7.30	-7.09	-7.73	-1.75	-0.02
2462MHz	Pass	14.02	-11.96	-12.44	-11.86	-11.07	-5.88	-0.02
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	14.02	-14.98	-13.90	-15.33	-14.85	-9.84	-0.02
2437MHz	Pass	14.02	-9.51	-9.91	-10.16	-10.12	-4.66	-0.02
2462MHz	Pass	14.02	-15.33	-14.19	-14.46	-15.59	-9.86	-0.02
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	14.02	-16.95	-18.10	-17.83	-17.44	-11.83	-0.02
2437MHz	Pass	14.02	-14.91	-15.02	-15.21	-15.92	-9.87	-0.02
2452MHz	Pass	14.02	-16.41	-15.62	-15.66	-15.75	-10.93	-0.02

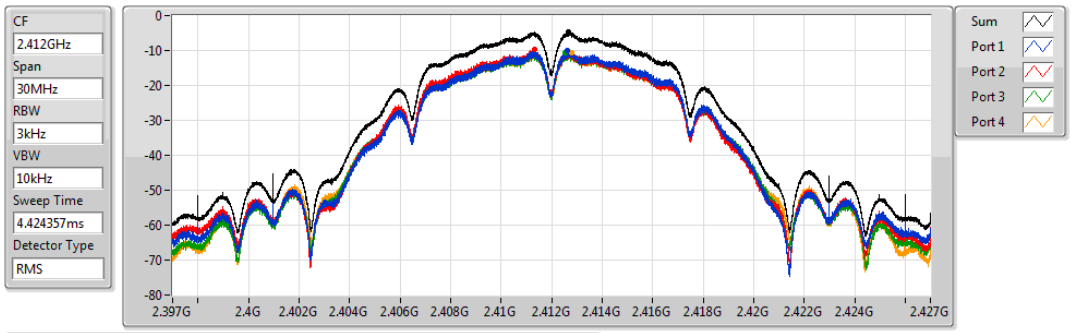
DG = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

For EUT 2 / Radio 2 / External Ant.2_Non-Beamforming Mode

802.11b_Nss1,(1Mbps)_4TX **PSD**

2412MHz

10/07/2020

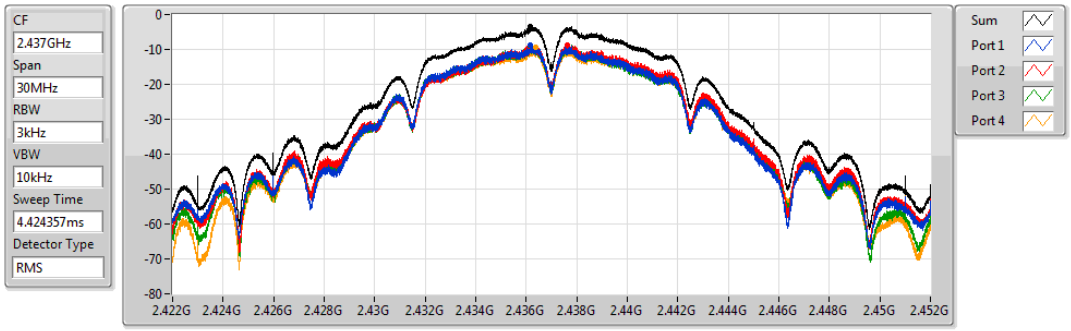


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.72	-4.72	-9.87	-9.75	-10.71	-10.55

802.11b_Nss1,(1Mbps)_4TX **PSD**

2437MHz

10/07/2020

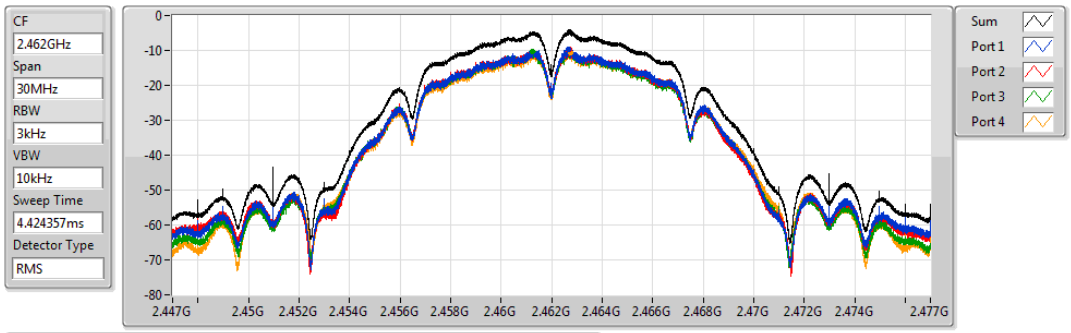


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.45	-3.45	-8.87	-8.86	-8.78	-9.51

802.11b_Nss1,(1Mbps)_4TX **PSD**

2462MHz

10/07/2020

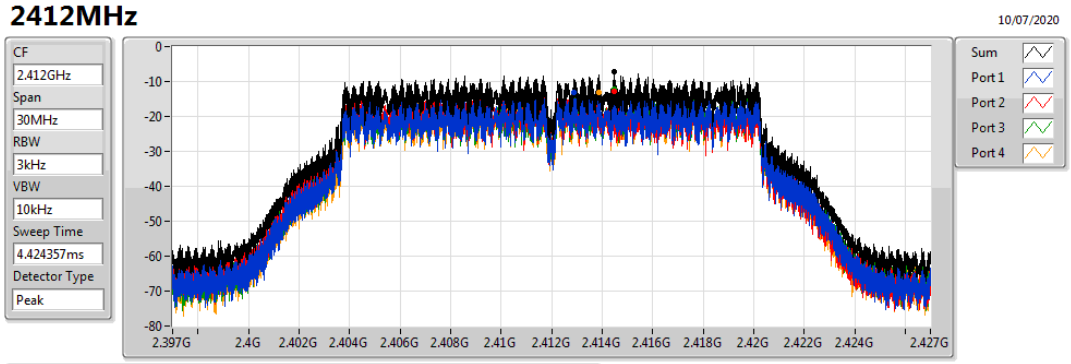


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.54	-4.54	-9.79	-9.80	-10.19	-10.59

For EUT 2 / Radio 2 / External Ant.2_Non-Beamforming Mode

802.11g_Nss1,(6Mbps)_4TX **PSD**

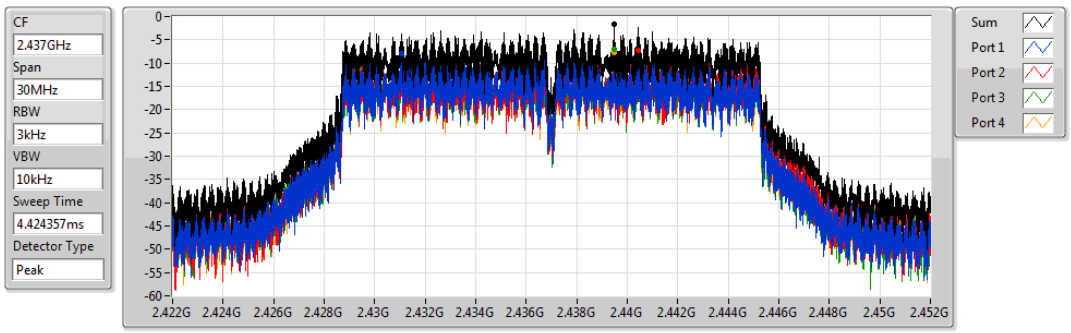
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.30	-7.30	-13.19	-12.73	-12.13	-13.25

802.11g_Nss1,(6Mbps)_4TX **PSD**

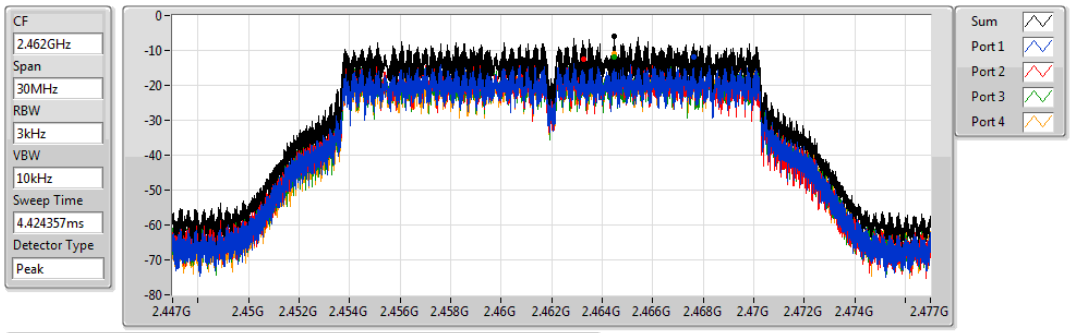
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.75	-1.75	-8.05	-7.30	-7.09	-7.73

802.11g_Nss1,(6Mbps)_4TX **PSD**

2462MHz

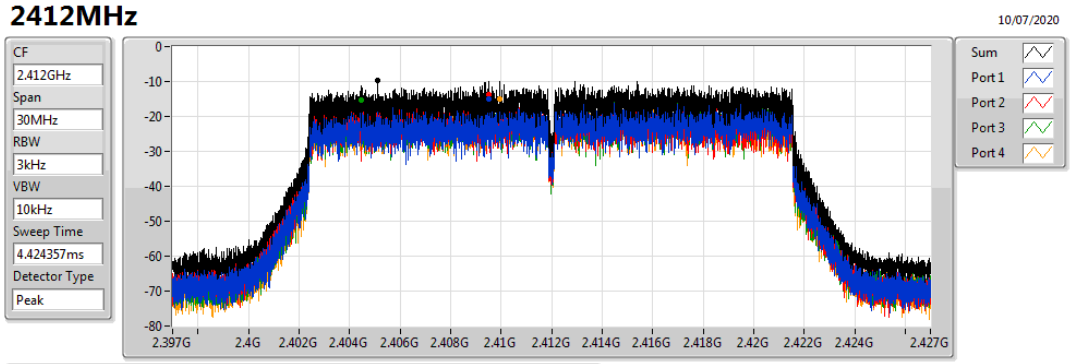


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.88	-5.88	-11.96	-12.44	-11.86	-11.07

For EUT 2 / Radio 2 / External Ant.2_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_4TX **PSD**

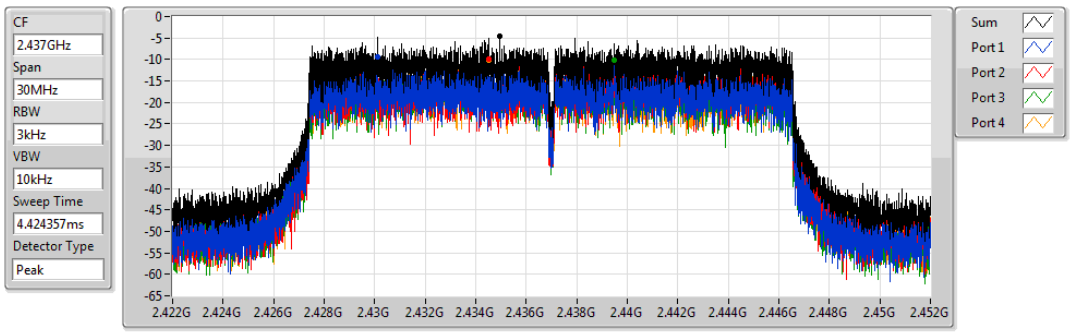
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.84	-9.84	-14.98	-13.90	-15.33	-14.85

802.11ax HEW20_Nss1,(MCS0)_4TX **PSD**

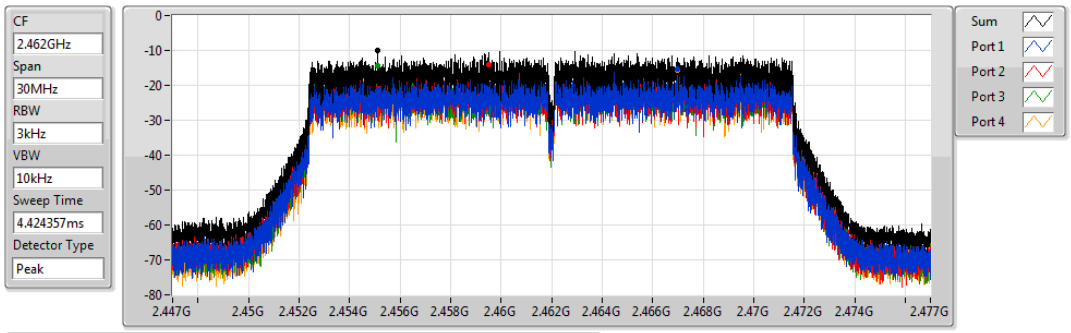
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.66	-4.66	-9.51	-9.91	-10.16	-10.12

802.11ax HEW20_Nss1,(MCS0)_4TX **PSD**

2462MHz

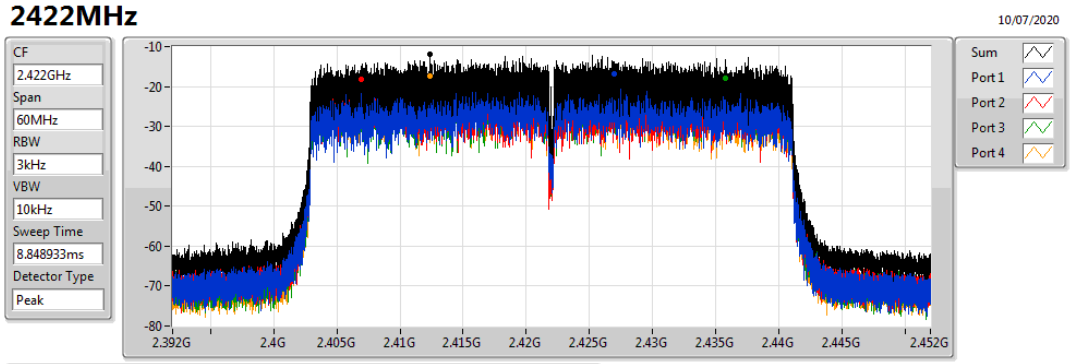


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.86	-9.86	-15.33	-14.19	-14.46	-15.59

For EUT 2 / Radio 2 / External Ant.2_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_4TX **PSD**

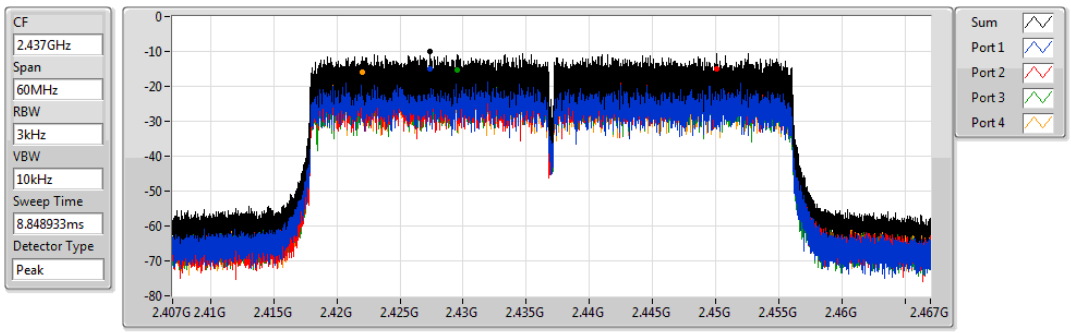
2422MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.83	-11.83	-16.95	-18.10	-17.83	-17.44

802.11ax HEW40_Nss1,(MCS0)_4TX **PSD**

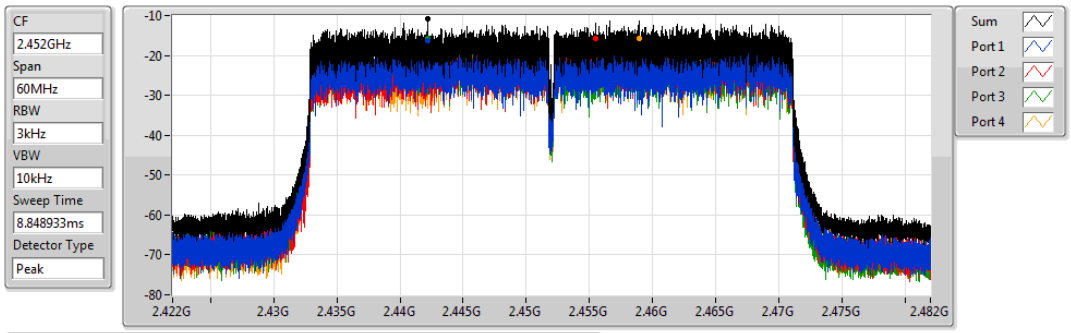
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.87	-9.87	-14.91	-15.02	-15.21	-15.92

802.11ax HEW40_Nss1,(MCS0)_4TX **PSD**

2452MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.93	-10.93	-16.41	-15.62	-15.66	-15.75

For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode
Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	1.68
802.11g_Nss1,(6Mbps)_2TX	-3.59
802.11ax HEW20_Nss1,(MCS0)_2TX	-4.40
802.11ax HEW40_Nss1,(MCS0)_2TX	-12.17

RBW = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode
Result

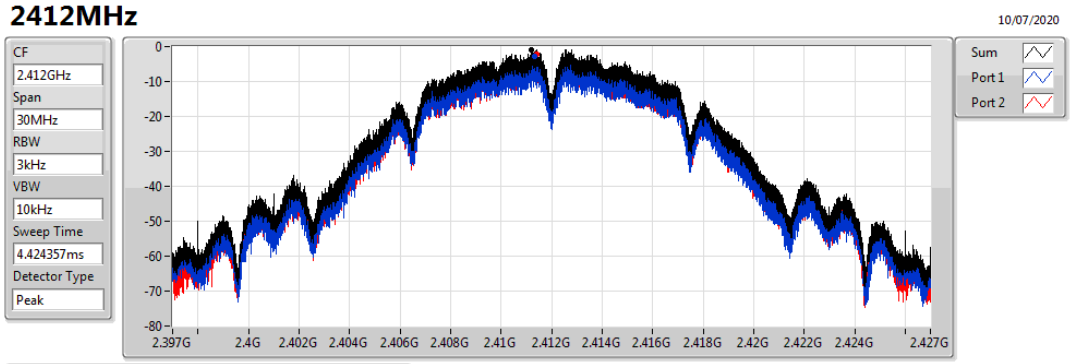
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	11.01	-2.94	-2.12	-0.87	2.99
2437MHz	Pass	11.01	-1.60	-0.21	1.68	2.99
2462MHz	Pass	11.01	-2.85	-3.41	-0.85	2.99
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	11.01	-12.77	-12.23	-9.60	2.99
2437MHz	Pass	11.01	-7.01	-5.24	-3.59	2.99
2462MHz	Pass	11.01	-12.66	-12.89	-9.88	2.99
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	11.01	-12.12	-11.04	-8.54	2.99
2437MHz	Pass	11.01	-7.72	-7.13	-4.40	2.99
2462MHz	Pass	11.01	-14.45	-12.52	-11.55	2.99
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	11.01	-16.65	-16.14	-13.62	2.99
2437MHz	Pass	11.01	-14.74	-14.15	-12.17	2.99
2452MHz	Pass	11.01	-16.41	-16.59	-13.84	2.99

DG = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode

802.11b_Nss1,(1Mbps)_2TX **PSD**

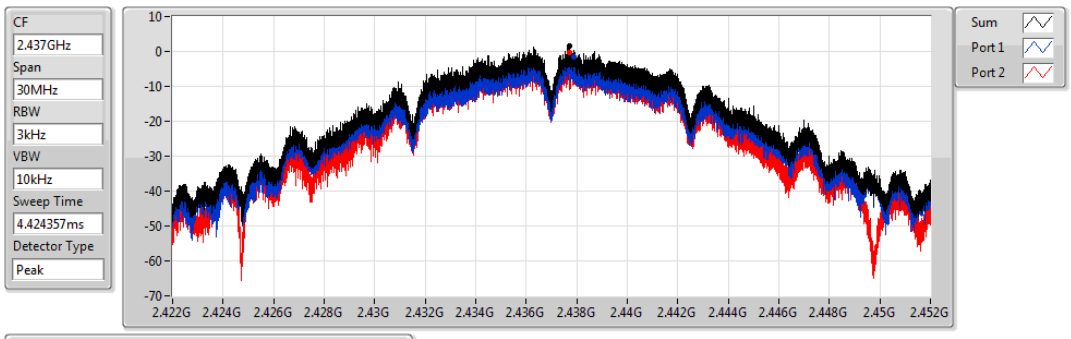
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.87	-0.87	-2.94	-2.12

802.11b_Nss1,(1Mbps)_2TX **PSD**

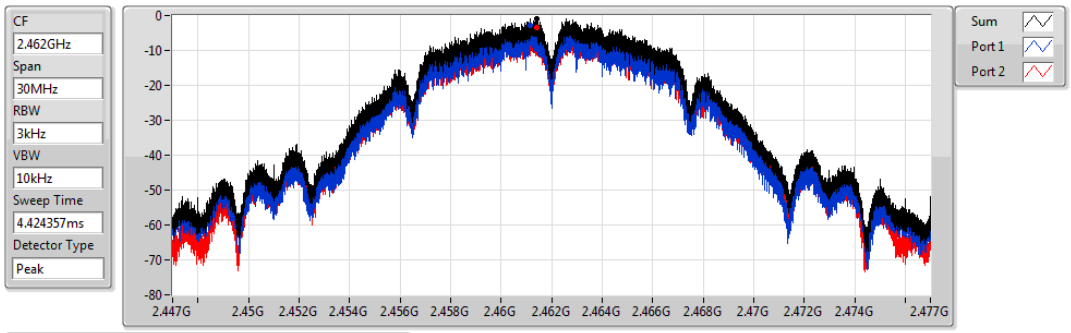
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.68	1.68	-1.60	-0.21

802.11b_Nss1,(1Mbps)_2TX **PSD**

2462MHz

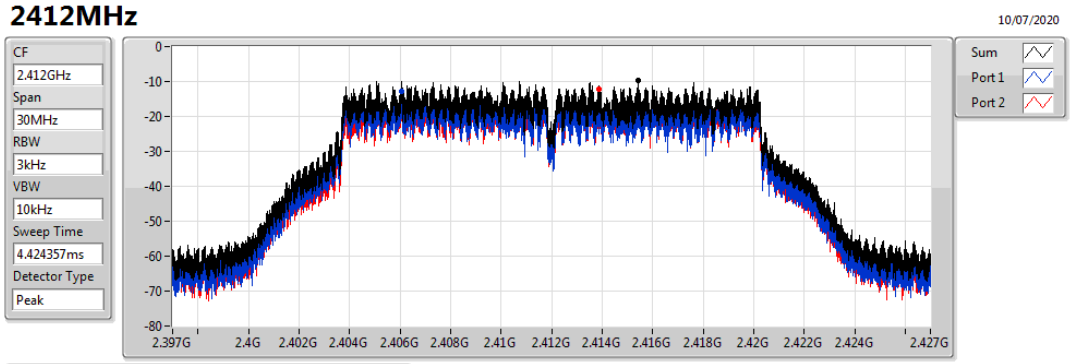


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.85	-0.85	-2.85	-3.41

For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode

802.11g_Nss1,(6Mbps)_2TX **PSD**

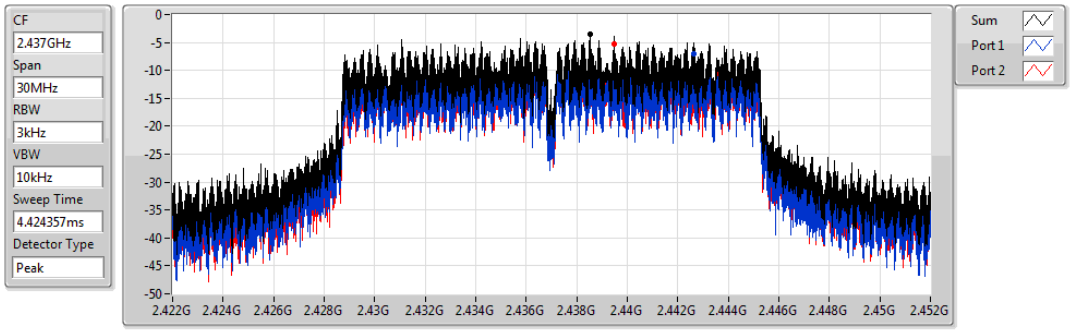
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.60	-9.60	-12.77	-12.23

802.11g_Nss1,(6Mbps)_2TX **PSD**

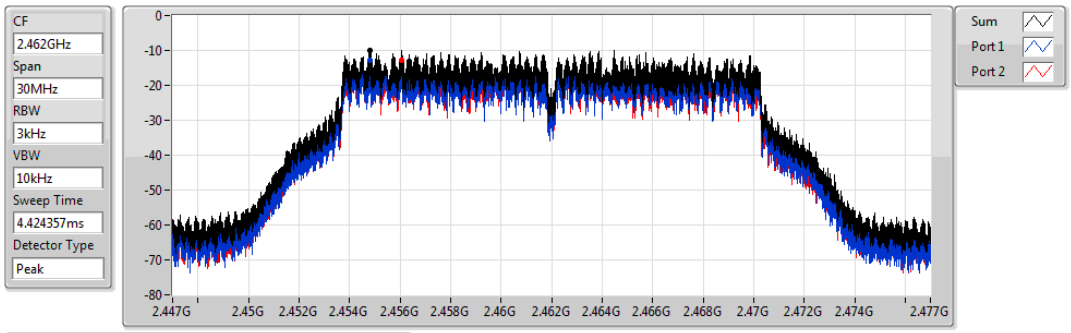
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.59	-3.59	-7.01	-5.24

802.11g_Nss1,(6Mbps)_2TX **PSD**

2462MHz

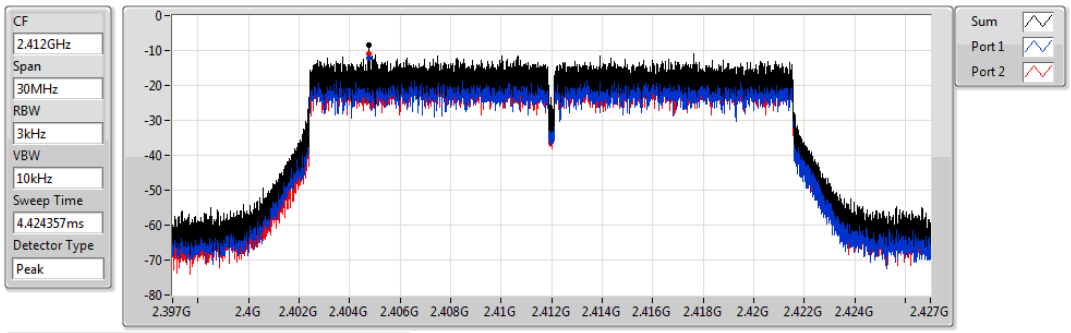


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.88	-9.88	-12.66	-12.89

For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_2TX **PSD**

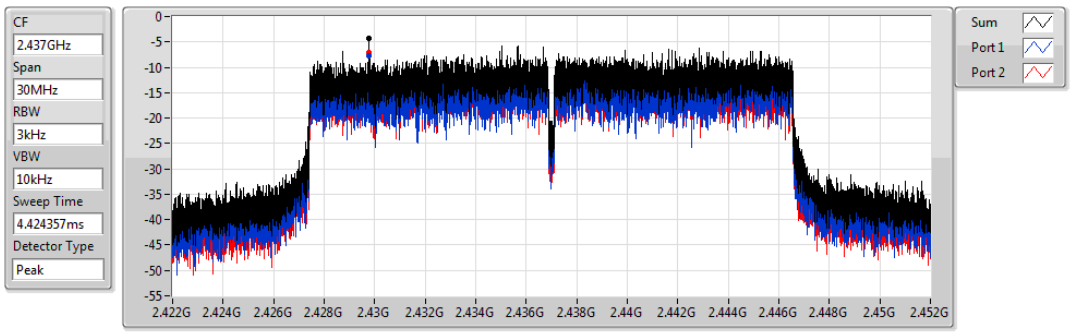
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.54	-8.54	-12.12	-11.04

802.11ax HEW20_Nss1,(MCS0)_2TX **PSD**

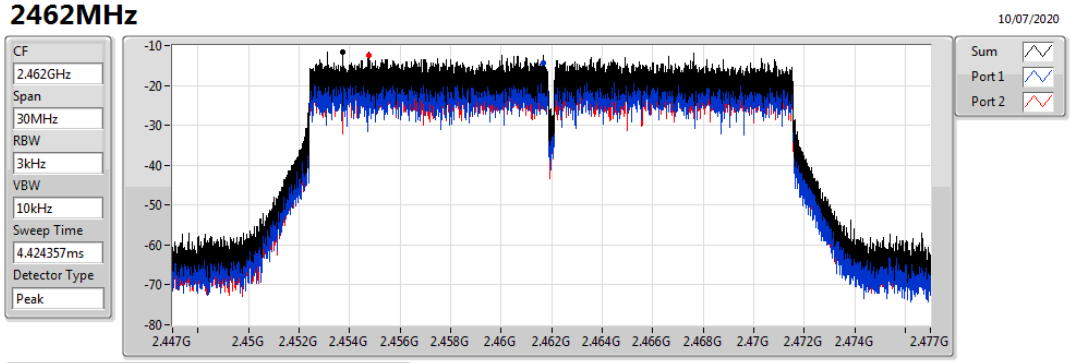
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.40	-4.40	-7.72	-7.13

802.11ax HEW20_Nss1,(MCS0)_2TX **PSD**

2462MHz

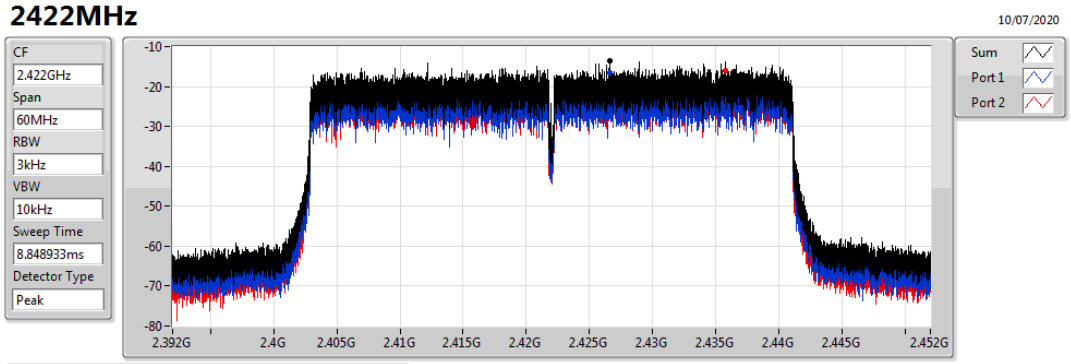


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.55	-11.55	-14.45	-12.52

For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_2TX **PSD**

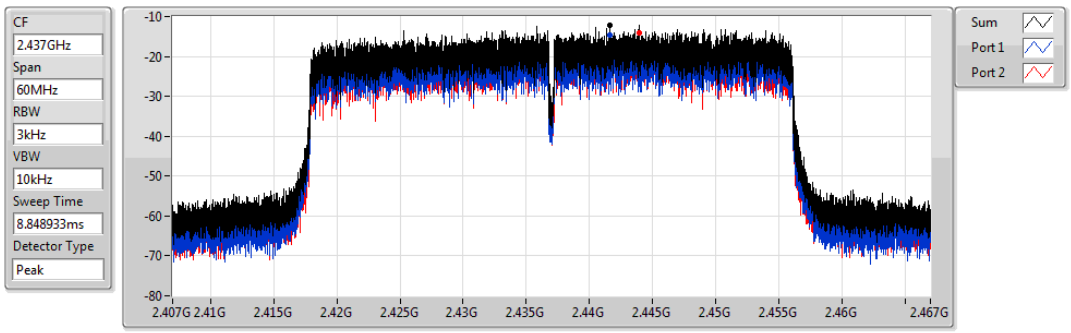
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.62	-13.62	-16.65	-16.14

802.11ax HEW40_Nss1,(MCS0)_2TX **PSD**

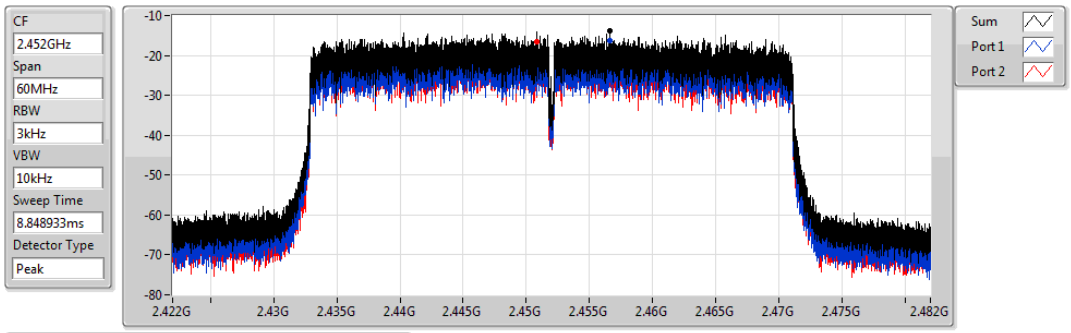
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.17	-12.17	-14.74	-14.15

802.11ax HEW40_Nss1,(MCS0)_2TX **PSD**

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.84	-13.84	-16.41	-16.59

For EUT 1 / Radio 2_Non-Beamforming Mode
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	2.43753G	15.79	-14.21	159.9M	-47.55	2.399G	-18.89	2.4G	-19.85	2.48596G	-47.18	17.63614G	-42.22	2
802.11g_Nss1,(6Mbps)_4TX	Pass	2.43198G	7.32	-22.68	159.9M	-45.90	2.39982G	-27.73	2.4G	-30.95	2.48738G	-50.45	23.58117G	-42.99	2
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	2.44451G	7.48	-22.52	159.9M	-47.67	2.39998G	-28.75	2.4G	-39.74	2.484G	-50.61	16.59941G	-42.48	1
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	2.45448G	3.30	-26.70	159.96M	-48.46	2.39952G	-32.27	2.4G	-37.87	2.48358G	-39.44	16.26379G	-43.64	3

For EUT 1 / Radio 2_Non-Beamforming Mode
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	2.43753G	15.79	-14.21	159.9M	-46.49	2.39902G	-22.56	2.4G	-23.08	2.48854G	-48.65	16.57412G	-42.70	1
2412MHz	Pass	2.43753G	15.79	-14.21	159.9M	-47.55	2.399G	-18.89	2.4G	-19.85	2.48596G	-47.18	17.63614G	-42.22	2
2412MHz	Pass	2.43753G	15.79	-14.21	159.9M	-48.29	2.4G	-24.32	2.4G	-24.64	2.49524G	-49.30	16.24821G	-41.95	3
2412MHz	Pass	2.43753G	15.79	-14.21	159.9M	-46.92	2.39998G	-25.29	2.4G	-24.73	2.4887G	-50.18	16.20326G	-43.52	4
2437MHz	Pass	2.43753G	15.79	-14.21	159.9M	-45.59	2.39952G	-40.74	2.4G	-43.11	2.49092G	-45.50	16.26226G	-42.63	1
2437MHz	Pass	2.43753G	15.79	-14.21	159.9M	-45.49	2.3965G	-39.06	2.4G	-46.40	2.48568G	-44.02	24.71062G	-42.63	2
2437MHz	Pass	2.43753G	15.79	-14.21	159.9M	-46.12	2.3995G	-38.21	2.4G	-41.45	2.48548G	-44.33	16.29036G	-42.81	3
2437MHz	Pass	2.43753G	15.79	-14.21	159.9M	-47.34	2.4G	-47.05	2.4835G	-48.64	2.48578G	-46.26	16.21731G	-43.27	4
2462MHz	Pass	2.43753G	15.79	-14.21	159.9M	-46.22	2.39394G	-51.09	2.4835G	-43.91	2.48592G	-45.83	16.27631G	-43.35	1
2462MHz	Pass	2.43753G	15.79	-14.21	159.9M	-46.74	2.3925G	-51.40	2.4835G	-42.50	2.4835G	-42.46	24.53642G	-42.77	2
2462MHz	Pass	2.43753G	15.79	-14.21	159.9M	-46.71	2.39894G	-50.26	2.4835G	-45.87	2.48454G	-45.99	16.92813G	-43.04	3
2462MHz	Pass	2.43753G	15.79	-14.21	159.9M	-47.94	2.4G	-51.50	2.4835G	-45.74	2.48614G	-45.28	17.64457G	-42.23	4
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43198G	7.32	-22.68	159.9M	-45.89	2.3995G	-30.42	2.4G	-32.26	2.48808G	-51.25	24.67409G	-43.47	1
2412MHz	Pass	2.43198G	7.32	-22.68	159.9M	-45.90	2.39982G	-27.73	2.4G	-30.95	2.48738G	-50.45	23.58117G	-42.99	2
2412MHz	Pass	2.43198G	7.32	-22.68	159.9M	-48.47	2.39982G	-27.99	2.4G	-34.51	2.49636G	-50.72	16.64155G	-43.20	3
2412MHz	Pass	2.43198G	7.32	-22.68	159.9M	-45.97	2.39918G	-28.76	2.4G	-31.71	2.48658G	-50.51	23.57555G	-42.76	4
2437MHz	Pass	2.43198G	7.32	-22.68	159.9M	-46.99	2.39402G	-42.71	2.4G	-46.20	2.48424G	-49.33	23.59803G	-43.13	1
2437MHz	Pass	2.43198G	7.32	-22.68	159.9M	-48.33	2.39938G	-46.23	2.4G	-49.54	2.48418G	-48.96	15.2171G	-43.35	2
2437MHz	Pass	2.43198G	7.32	-22.68	159.9M	-47.87	2.39826G	-44.52	2.4G	-44.72	2.48606G	-47.68	16.63312G	-42.09	3
2437MHz	Pass	2.43198G	7.32	-22.68	159.9M	-46.64	2.3995G	-43.26	2.4G	-46.29	2.48354G	-47.00	17.64457G	-43.25	4
2462MHz	Pass	2.43198G	7.32	-22.68	159.9M	-47.05	2.39648G	-51.19	2.4835G	-44.95	2.48386G	-43.38	23.37326G	-43.26	1
2462MHz	Pass	2.43198G	7.32	-22.68	159.9M	-47.22	2.39962G	-52.02	2.4835G	-42.84	2.48486G	-43.30	16.6275G	-42.72	2
2462MHz	Pass	2.43198G	7.32	-22.68	159.9M	-46.19	2.39726G	-52.05	2.4835G	-44.42	2.48388G	-42.20	24.22737G	-43.30	3
2462MHz	Pass	2.43198G	7.32	-22.68	159.9M	-47.28	2.39972G	-51.68	2.4835G	-45.50	2.48452G	-42.33	16.64436G	-42.59	4
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44451G	7.48	-22.52	159.9M	-47.67	2.39998G	-28.75	2.4G	-39.74	2.484G	-50.61	16.59941G	-42.48	1
2412MHz	Pass	2.44451G	7.48	-22.52	159.9M	-47.18	2.39996G	-29.67	2.4G	-29.51	2.48722G	-51.25	16.25945G	-42.79	2
2412MHz	Pass	2.44451G	7.48	-22.52	159.9M	-48.03	2.39988G	-28.92	2.4G	-30.13	2.49548G	-51.08	15.20306G	-42.95	3
2412MHz	Pass	2.44451G	7.48	-22.52	159.9M	-47.38	2.39988G	-29.80	2.4G	-39.97	2.51694G	-50.49	17.66704G	-43.19	4
2437MHz	Pass	2.44451G	7.48	-22.52	159.9M	-46.69	2.3989G	-42.38	2.4G	-43.86	2.48378G	-42.75	23.35922G	-43.37	1
2437MHz	Pass	2.44451G	7.48	-22.52	159.9M	-46.98	2.39924G	-41.40	2.4835G	-47.01	2.48446G	-44.68	23.33955G	-43.30	2
2437MHz	Pass	2.44451G	7.48	-22.52	159.9M	-47.98	2.39892G	-40.36	2.4835G	-45.25	2.4847G	-43.01	16.25664G	-43.31	3
2437MHz	Pass	2.44451G	7.48	-22.52	159.9M	-45.64	2.3986G	-42.60	2.4G	-47.17	2.48358G	-43.59	21.48805G	-43.48	4
2462MHz	Pass	2.44451G	7.48	-22.52	159.9M	-47.06	2.39144G	-51.92	2.4835G	-43.68	2.48352G	-43.14	16.24821G	-42.95	1
2462MHz	Pass	2.44451G	7.48	-22.52	159.9M	-46.44	2.39718G	-52.37	2.4835G	-46.10	2.48358G	-43.76	25G	-42.73	2
2462MHz	Pass	2.44451G	7.48	-22.52	159.9M	-46.91	2.39754G	-51.87	2.4835G	-45.14	2.48388G	-44.37	16.40555G	-43.47	3
2462MHz	Pass	2.44451G	7.48	-22.52	159.9M	-47.13	2.39986G	-52.15	2.4835G	-41.76	2.48358G	-42.58	24.95224G	-42.52	4
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.45448G	3.30	-26.70	159.96M	-46.27	2.39676G	-36.65	2.4G	-41.09	2.4959G	-50.61	23.59211G	-42.67	1
2422MHz	Pass	2.45448G	3.30	-26.70	159.96M	-46.92	2.39832G	-35.67	2.4G	-40.70	2.48414G	-49.72	17.60998G	-43.03	2
2422MHz	Pass	2.45448G	3.30	-26.70	159.96M	-46.84	2.39444G	-33.25	2.4G	-40.52	2.48494G	-50.31	24.69711G	-43.22	3
2422MHz	Pass	2.45448G	3.30	-26.70	159.96M	-46.16	2.39676G	-35.37	2.4G	-41.70	2.4835G	-50.35	24.59053G	-42.96	4
2437MHz	Pass	2.45448G	3.30	-26.70	159.96M	-47.22	2.39952G	-33.79	2.4G	-39.93	2.48358G	-41.65	16.23574G	-43.58	1
2437MHz	Pass	2.45448G	3.30	-26.70	159.96M	-47.85	2.39948G	-34.53	2.4G	-40.89	2.48358G	-39.21	16.27781G	-43.12	2
2437MHz	Pass	2.45448G	3.30	-26.70	159.96M	-48.46	2.39952G	-32.27	2.4G	-37.87	2.48358G	-39.44	16.26379G	-43.64	3

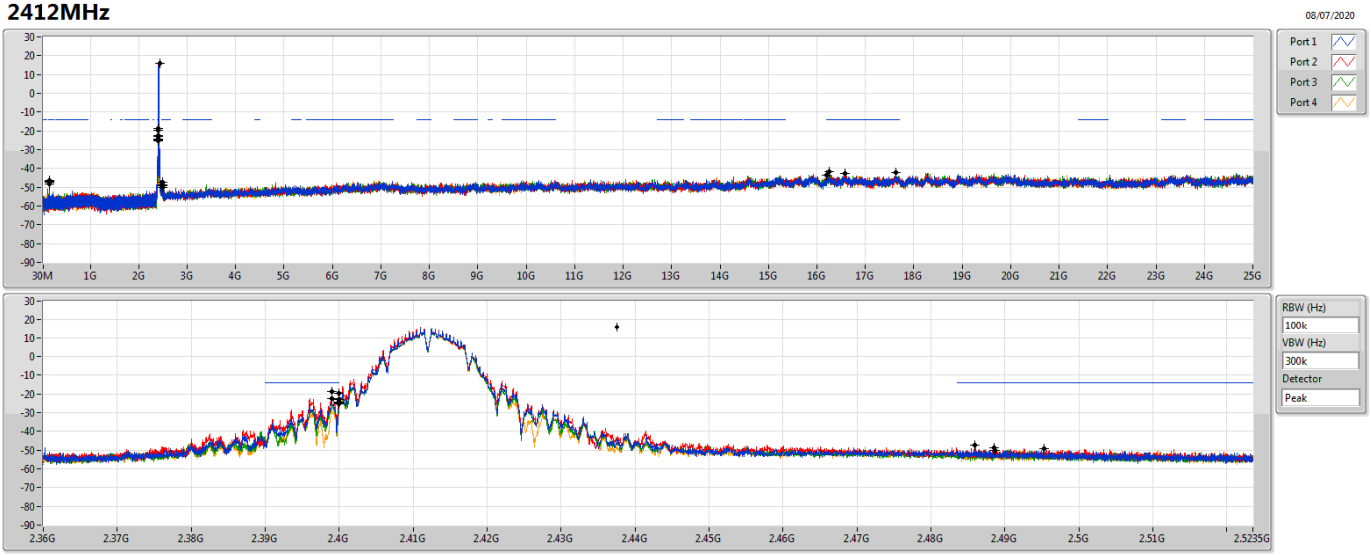
For EUT 1 / Radio 2_Non-Beamforming Mode

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
2437MHz	Pass	2.45448G	3.30	-26.70	159.96M	-45.99	2.39956G	-34.02	2.4G	-39.45	2.48358G	-39.65	24.95793G	-42.27	4
2452MHz	Pass	2.45448G	3.30	-26.70	159.96M	-47.35	2.395G	-47.86	2.4835G	-45.18	2.48558G	-39.78	15.29341G	-42.68	1
2452MHz	Pass	2.45448G	3.30	-26.70	159.96M	-47.15	2.39792G	-48.22	2.4835G	-45.07	2.48638G	-41.87	16.23574G	-43.33	2
2452MHz	Pass	2.45448G	3.30	-26.70	159.96M	-46.41	2.39708G	-48.86	2.4835G	-43.75	2.48362G	-38.65	23.25837G	-42.82	3
2452MHz	Pass	2.45448G	3.30	-26.70	159.96M	-47.31	2.39796G	-48.09	2.4835G	-45.89	2.48474G	-41.07	21.52234G	-43.11	4

For EUT 1 / Radio 2_Non-Beamforming Mode

802.11b_Nss1,(1Mbps)_4TX **CSE NdB**

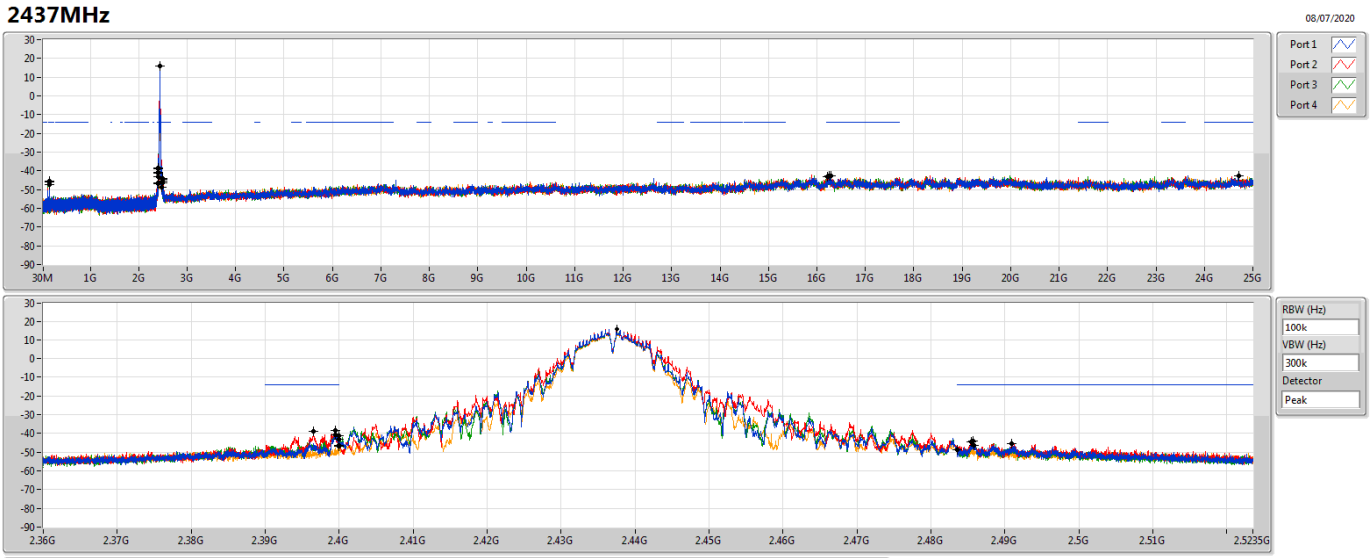
2412MHz



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
2.43753G	15.79	-14.21	159.9M	-46.49	2.39902G	-22.56	2.4G	-23.08	2.48854G	-48.65	16.57412G	-42.70	1
2.43753G	15.79	-14.21	159.9M	-47.55	2.399G	-18.89	2.4G	-19.85	2.48596G	-47.18	17.63614G	-42.22	2
2.43753G	15.79	-14.21	159.9M	-48.29	2.4G	-24.32	2.4G	-24.64	2.49524G	-49.30	16.24821G	-41.95	3
2.43753G	15.79	-14.21	159.9M	-46.92	2.39998G	-25.29	2.4G	-24.73	2.4887G	-50.18	16.20326G	-43.52	4

802.11b_Nss1,(1Mbps)_4TX **CSE NdB**

2437MHz

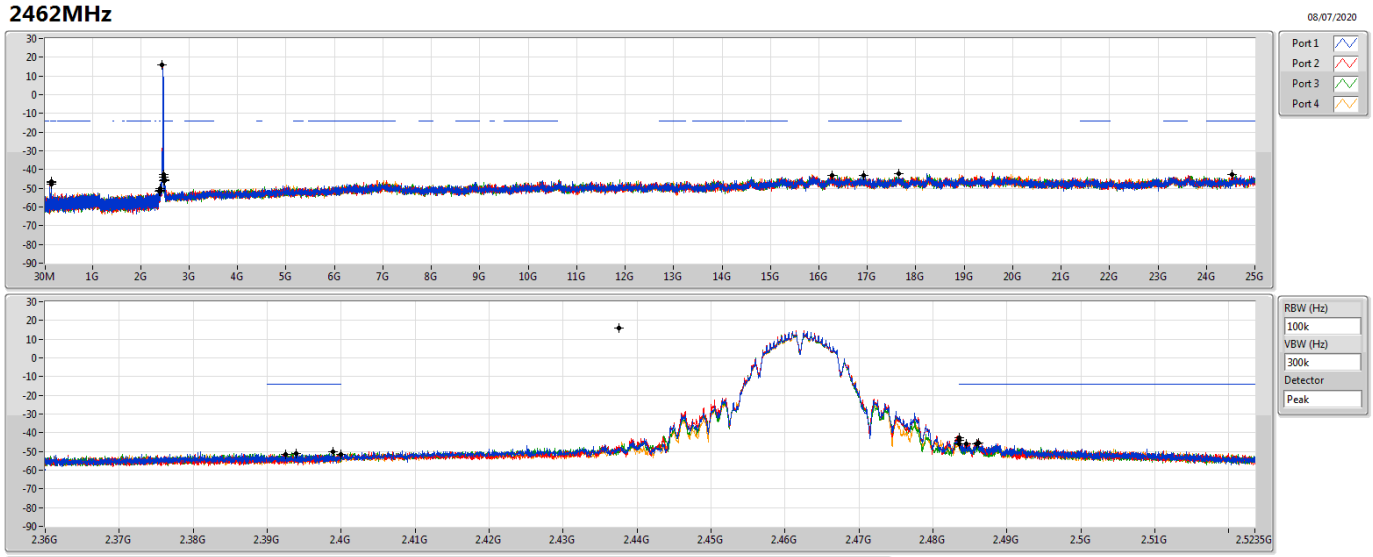


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43753G	15.79	-14.21	159.9M	-45.59	2.39952G	-40.74	2.4G	-43.11	2.49092G	-45.50	16.26226G	-42.63	1
2.43753G	15.79	-14.21	159.9M	-45.49	2.3965G	-39.06	2.4G	-46.40	2.48568G	-44.02	24.71062G	-42.63	2
2.43753G	15.79	-14.21	159.9M	-46.12	2.3995G	-38.21	2.4G	-41.45	2.48548G	-44.33	16.29036G	-42.81	3
2.43753G	15.79	-14.21	159.9M	-47.34	2.4G	-47.05	2.4835G	-48.64	2.48578G	-46.26	16.21731G	-43.27	4

For EUT 1 / Radio 2_Non-Beamforming Mode

802.11b_Nss1,(1Mbps)_4TX **CSE NdB**

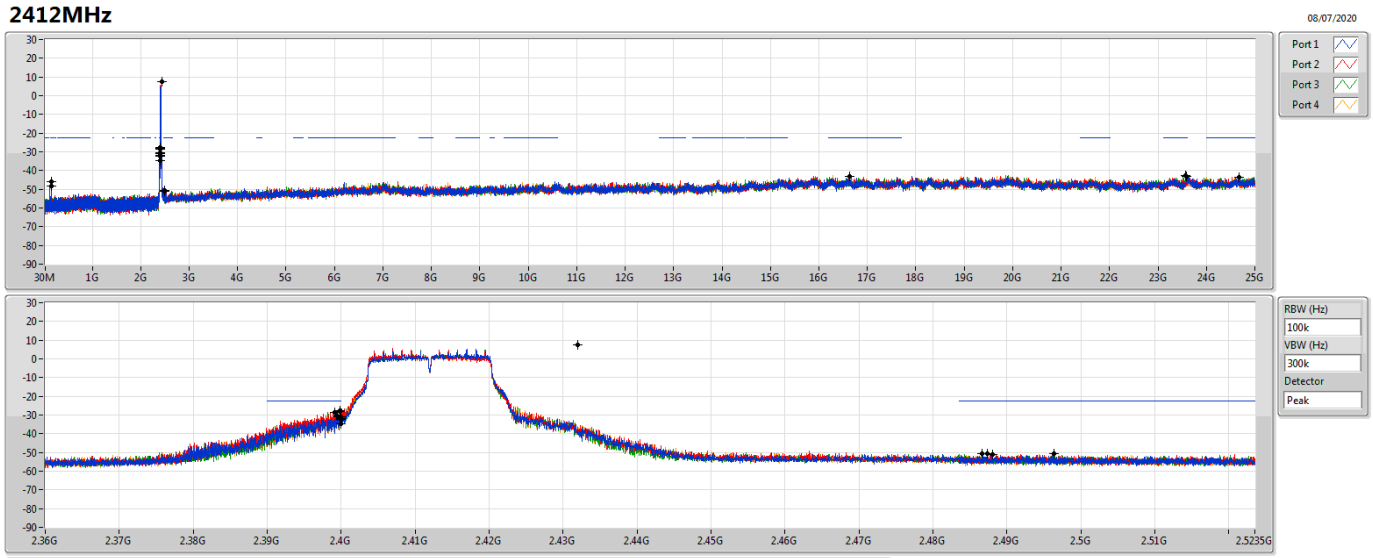
2462MHz



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
2.43753G	15.79	-14.21	159.9M	-46.22	2.39394G	-51.09	2.4835G	-43.91	2.48592G	-45.83	16.27631G	-43.35	1
2.43753G	15.79	-14.21	159.9M	-46.74	2.3925G	-51.40	2.4835G	-42.50	2.4835G	-42.46	24.53642G	-42.77	2
2.43753G	15.79	-14.21	159.9M	-46.71	2.39894G	-50.26	2.4835G	-45.87	2.48454G	-45.99	16.92813G	-43.04	3
2.43753G	15.79	-14.21	159.9M	-47.94	2.4G	-51.50	2.4835G	-45.74	2.48614G	-45.28	17.64457G	-42.23	4

802.11g_Nss1,(6Mbps)_4TX **CSE NdB**

2412MHz

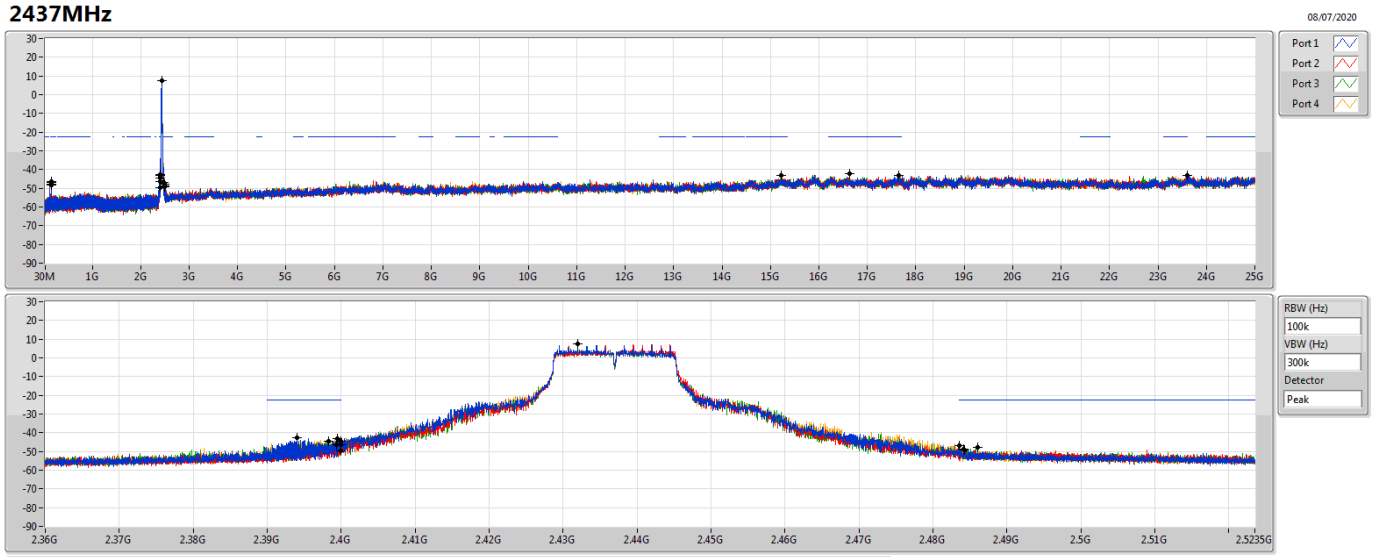


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	7.32	-22.68	159.9M	-45.89	2.3995G	-30.42	2.4G	-32.26	2.48808G	-51.25	24.67409G	-43.47	1
2.43198G	7.32	-22.68	159.9M	-45.90	2.39982G	-27.73	2.4G	-30.95	2.48738G	-50.45	23.58117G	-42.99	2
2.43198G	7.32	-22.68	159.9M	-48.47	2.39982G	-27.99	2.4G	-34.51	2.49636G	-50.72	16.64155G	-43.20	3
2.43198G	7.32	-22.68	159.9M	-45.97	2.39918G	-28.76	2.4G	-31.71	2.48658G	-50.51	23.57555G	-42.76	4

For EUT 1 / Radio 2_Non-Beamforming Mode

802.11g_Nss1,(6Mbps)_4TX **CSE NdB**

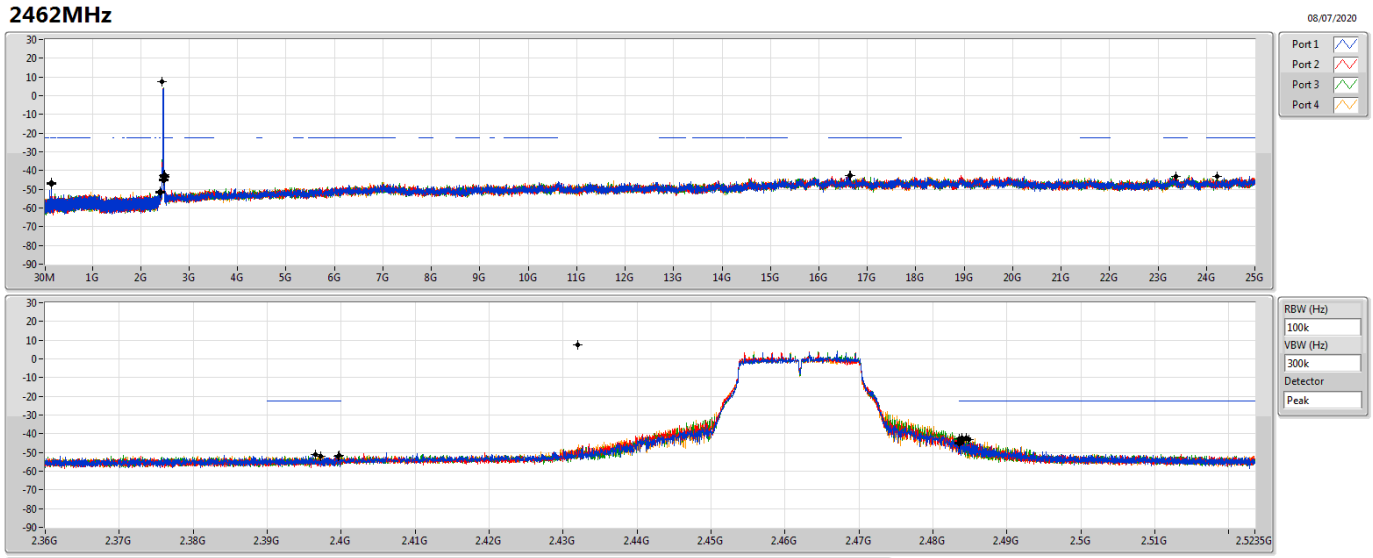
2437MHz



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
2.43198G	7.32	-22.68	159.9M	-46.99	2.39402G	-42.71	2.4G	-46.20	2.48424G	-49.33	23.59803G	-43.13	1
2.43198G	7.32	-22.68	159.9M	-48.33	2.39938G	-46.23	2.4G	-49.54	2.48418G	-48.96	15.2171G	-43.35	2
2.43198G	7.32	-22.68	159.9M	-47.87	2.39826G	-44.52	2.4G	-44.72	2.48606G	-47.68	16.63312G	-42.09	3
2.43198G	7.32	-22.68	159.9M	-46.64	2.3995G	-43.26	2.4G	-46.29	2.48354G	-47.00	17.64457G	-43.25	4

802.11g_Nss1,(6Mbps)_4TX **CSE NdB**

2462MHz

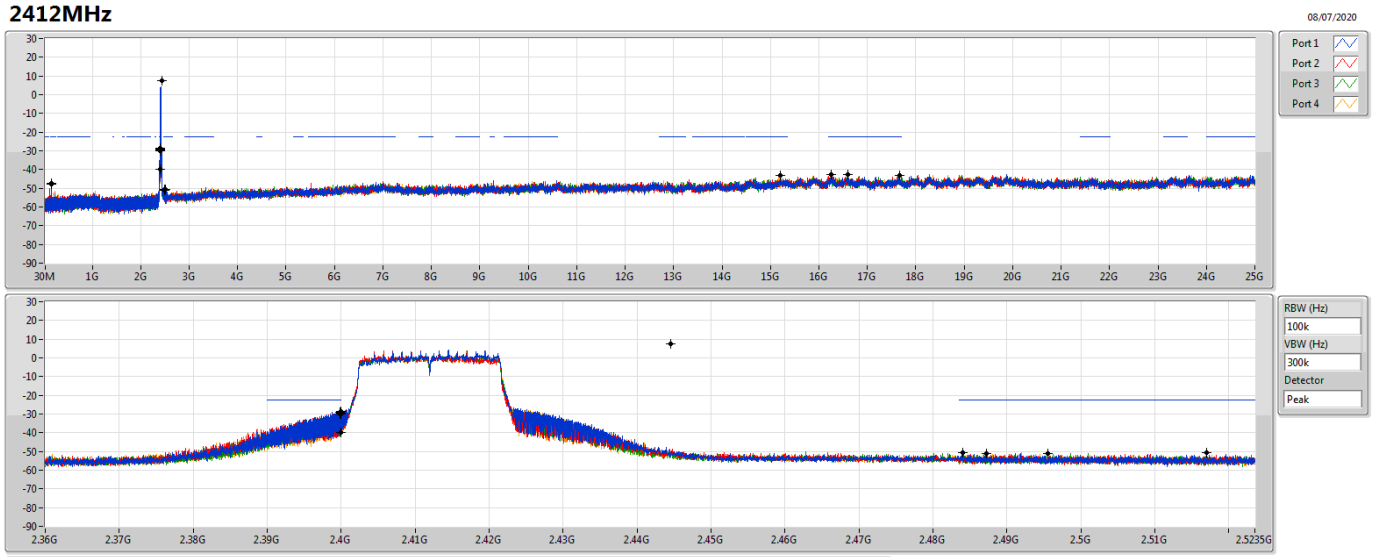


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	7.32	-22.68	159.9M	-47.05	2.39648G	-51.19	2.4835G	-44.95	2.48386G	-43.38	23.37326G	-43.26	1
2.43198G	7.32	-22.68	159.9M	-47.22	2.39962G	-52.02	2.4835G	-42.84	2.48486G	-43.30	16.6275G	-42.72	2
2.43198G	7.32	-22.68	159.9M	-46.19	2.39726G	-52.05	2.4835G	-44.42	2.48388G	-42.20	24.22737G	-43.30	3
2.43198G	7.32	-22.68	159.9M	-47.28	2.39972G	-51.68	2.4835G	-45.50	2.48452G	-42.33	16.64436G	-42.59	4

For EUT 1 / Radio 2_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_4TX **CSE NdB**

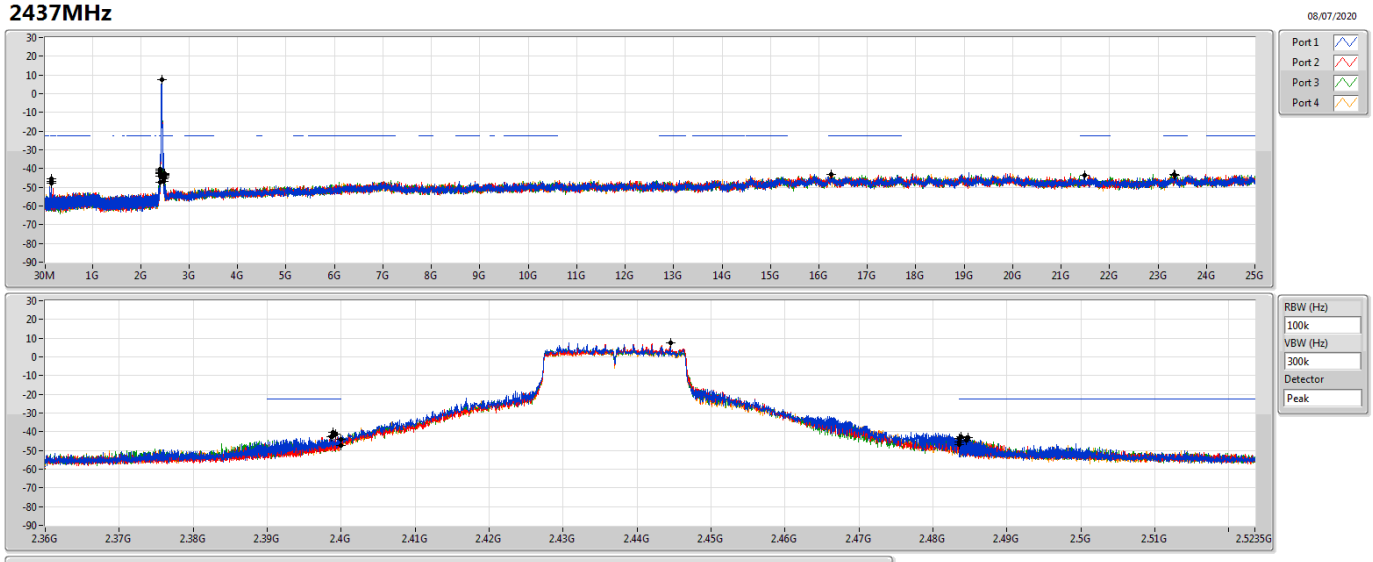
2412MHz



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
2.44451G	7.48	-22.52	159.9M	-47.67	2.39998G	-28.75	2.4G	-39.74	2.484G	-50.61	16.59941G	-42.48	1
2.44451G	7.48	-22.52	159.9M	-47.18	2.39996G	-29.67	2.4G	-29.51	2.48722G	-51.25	16.25945G	-42.79	2
2.44451G	7.48	-22.52	159.9M	-48.03	2.39988G	-28.92	2.4G	-30.13	2.49548G	-51.08	15.20306G	-42.95	3
2.44451G	7.48	-22.52	159.9M	-47.38	2.39988G	-29.80	2.4G	-39.97	2.51694G	-50.49	17.66704G	-43.19	4

802.11ax HEW20_Nss1,(MCS0)_4TX **CSE NdB**

2437MHz

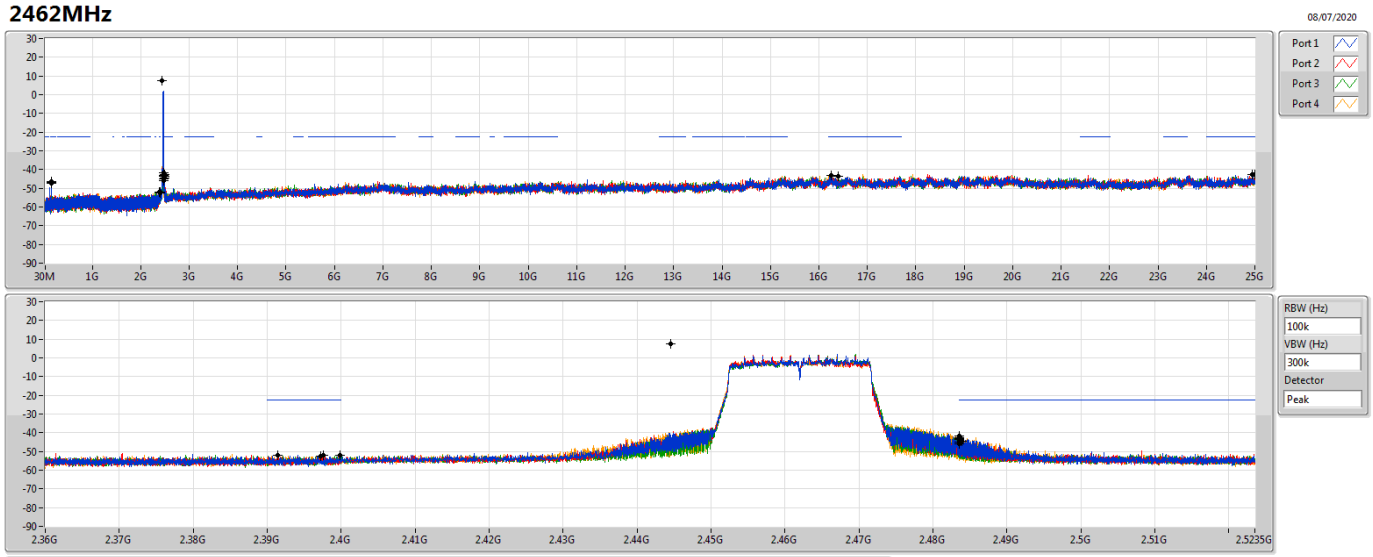


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44451G	7.48	-22.52	159.9M	-46.69	2.3989G	-42.38	2.4G	-43.86	2.48378G	-42.75	23.35922G	-43.37	1
2.44451G	7.48	-22.52	159.9M	-46.98	2.39924G	-41.40	2.4835G	-47.01	2.48446G	-44.68	23.33955G	-43.30	2
2.44451G	7.48	-22.52	159.9M	-47.98	2.39892G	-40.36	2.4835G	-45.25	2.4847G	-43.01	16.25664G	-43.31	3
2.44451G	7.48	-22.52	159.9M	-45.64	2.3986G	-42.60	2.4G	-47.17	2.48358G	-43.59	21.48805G	-43.48	4

For EUT 1 / Radio 2_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_4TX **CSE NdB**

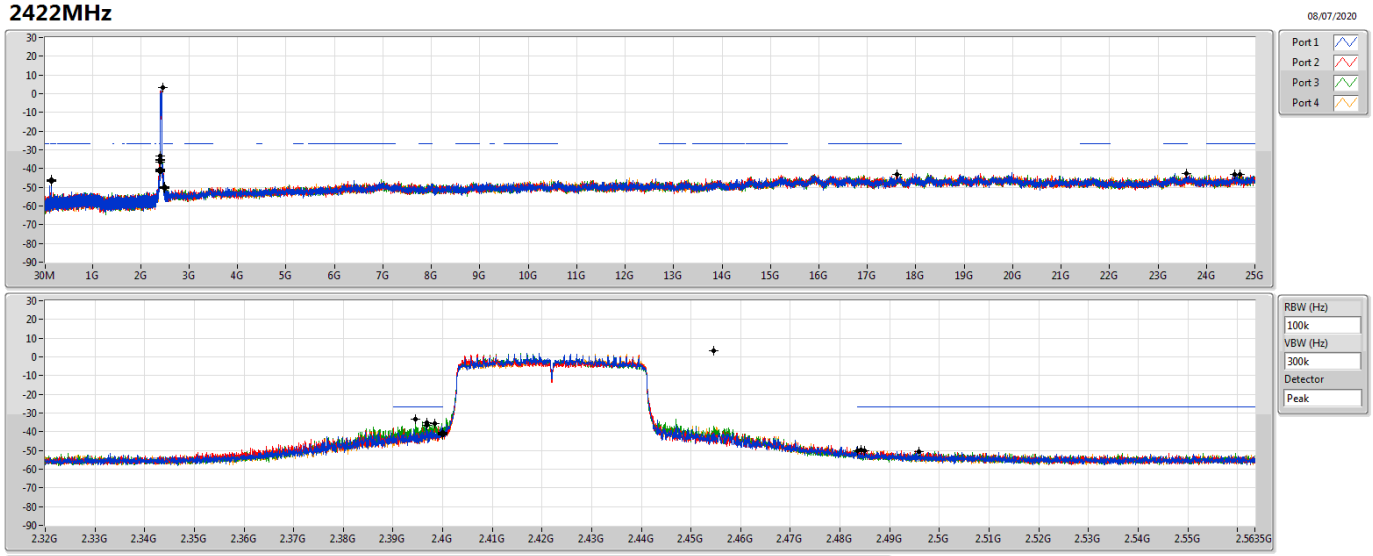
2462MHz



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
2.44451G	7.48	-22.52	159.9M	-47.06	2.39144G	-51.92	2.4835G	-43.68	2.48352G	-43.14	16.24821G	-42.95	1
2.44451G	7.48	-22.52	159.9M	-46.44	2.39718G	-52.37	2.4835G	-46.10	2.48358G	-43.76	25G	-42.73	2
2.44451G	7.48	-22.52	159.9M	-46.91	2.39754G	-51.87	2.4835G	-45.14	2.48388G	-44.37	16.40555G	-43.47	3
2.44451G	7.48	-22.52	159.9M	-47.13	2.39986G	-52.15	2.4835G	-41.76	2.48358G	-42.58	24.95224G	-42.52	4

802.11ax HEW40_Nss1,(MCS0)_4TX **CSE NdB**

2422MHz

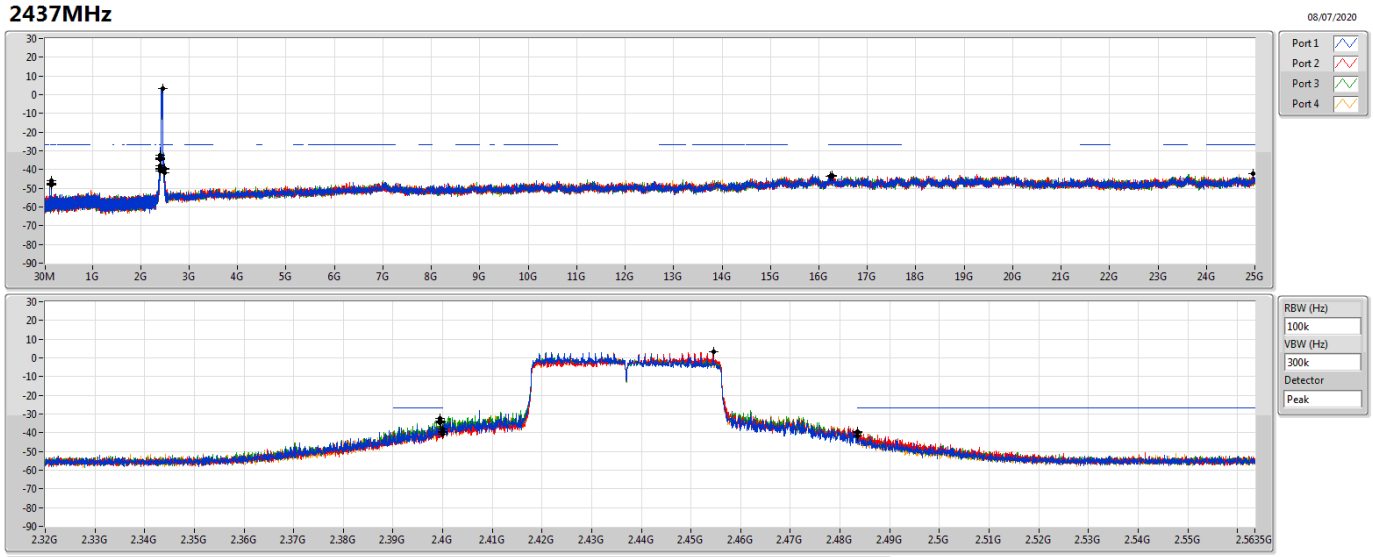


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.45448G	3.30	-26.70	159.96M	-46.27	2.39676G	-36.65	2.4G	-41.09	2.4959G	-50.61	23.59211G	-42.67	1
2.45448G	3.30	-26.70	159.96M	-46.92	2.39832G	-35.67	2.4G	-40.70	2.48414G	-49.72	17.60998G	-43.03	2
2.45448G	3.30	-26.70	159.96M	-46.84	2.39444G	-33.25	2.4G	-40.52	2.48494G	-50.31	24.69711G	-43.22	3
2.45448G	3.30	-26.70	159.96M	-46.16	2.39676G	-35.37	2.4G	-41.70	2.4835G	-50.35	24.59053G	-42.96	4

For EUT 1 / Radio 2_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_4TX **CSE NdB**

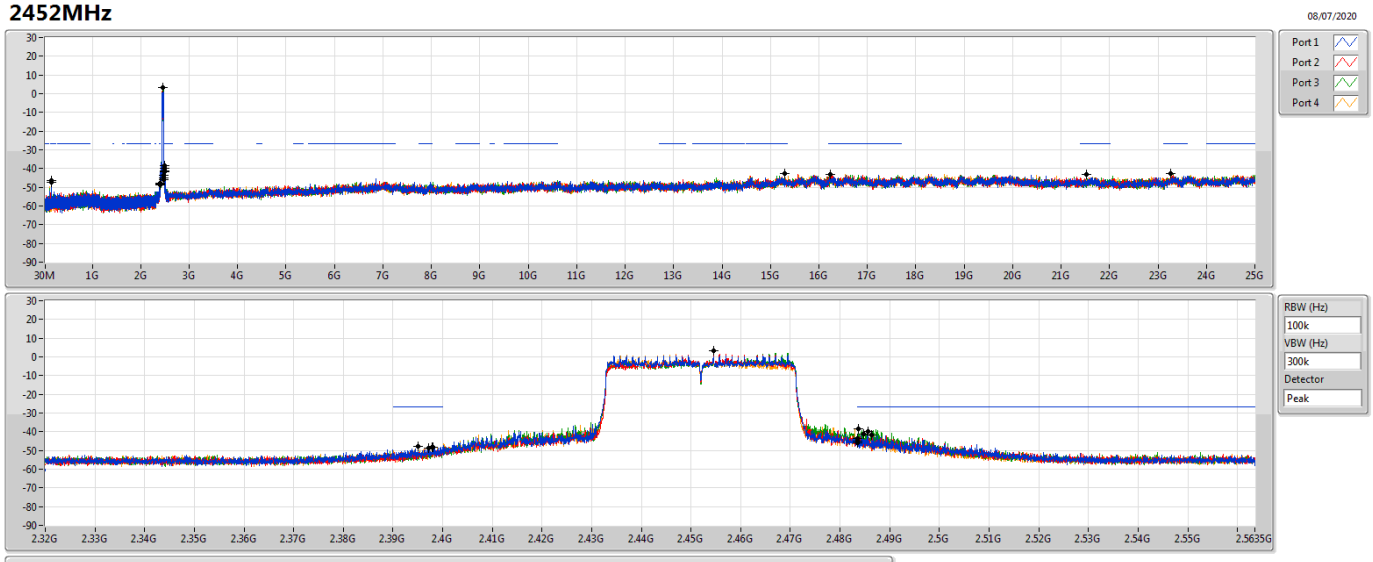
2437MHz



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
2.45448G	3.30	-26.70	159.96M	-47.22	2.39952G	-33.79	2.4G	-39.93	2.48358G	-41.65	16.23574G	-43.58	1
2.45448G	3.30	-26.70	159.96M	-47.85	2.39948G	-34.53	2.4G	-40.89	2.48358G	-39.21	16.27781G	-43.12	2
2.45448G	3.30	-26.70	159.96M	-48.46	2.39952G	-32.27	2.4G	-37.87	2.48358G	-39.44	16.26379G	-43.64	3
2.45448G	3.30	-26.70	159.96M	-45.99	2.39956G	-34.02	2.4G	-39.45	2.48358G	-39.65	24.95793G	-42.27	4

802.11ax HEW40_Nss1,(MCS0)_4TX **CSE NdB**

2452MHz



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
2.45448G	3.30	-26.70	159.96M	-47.35	2.395G	-47.86	2.4835G	-45.18	2.48558G	-39.78	15.29341G	-42.68	1
2.45448G	3.30	-26.70	159.96M	-47.15	2.39792G	-48.22	2.4835G	-45.07	2.48638G	-41.87	16.23574G	-43.33	2
2.45448G	3.30	-26.70	159.96M	-46.41	2.39708G	-48.86	2.4835G	-43.75	2.48362G	-38.65	23.25837G	-42.82	3
2.45448G	3.30	-26.70	159.96M	-47.31	2.39796G	-48.09	2.4835G	-45.89	2.48474G	-41.07	21.52234G	-43.11	4

For EUT 1 / Radio 3_Non-Beamforming Mode
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	2.43749G	15.27	-14.73	159.9M	-45.23	2.39904G	-24.60	2.4G	-24.92	2.48632G	-49.65	23.25245G	-43.57	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.4395G	7.40	-22.60	159.9M	-47.59	2.39976G	-29.14	2.4G	-31.08	2.49736G	-50.93	23.53622G	-42.61	2
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.442G	7.29	-22.71	159.9M	-47.89	2.39884G	-23.40	2.4G	-24.06	2.48618G	-50.41	24.71623G	-42.98	1
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.44075G	2.50	-27.50	159.96M	-47.55	2.39952G	-29.28	2.4G	-37.35	2.48354G	-39.05	23.42103G	-42.24	2

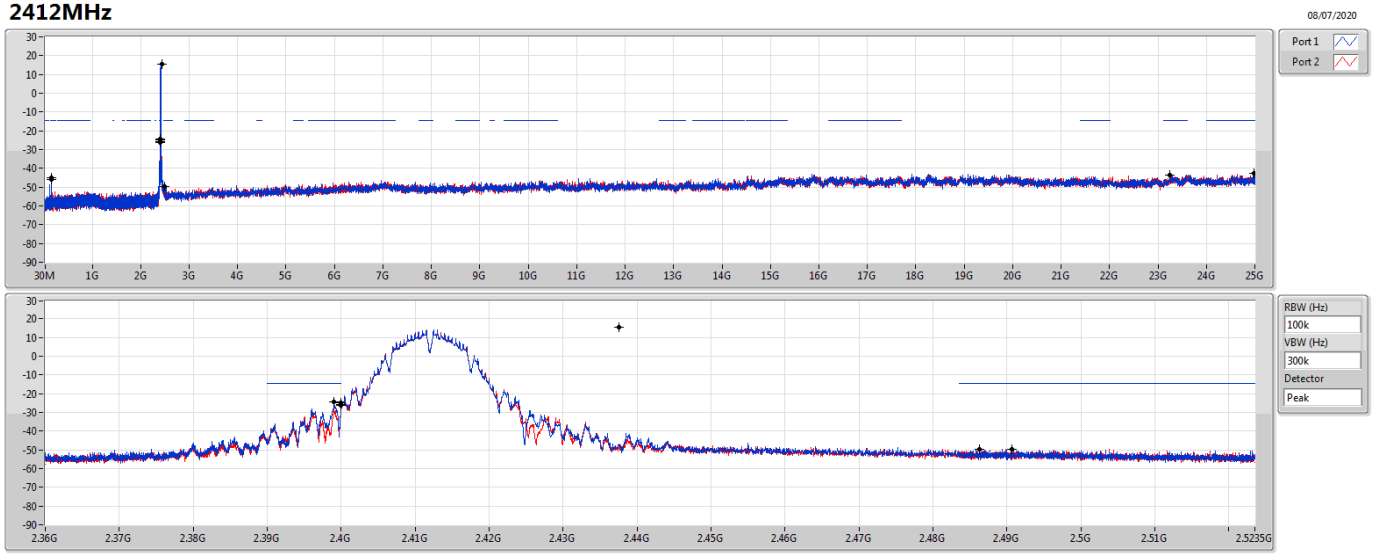
For EUT 1 / Radio 3_Non-Beamforming Mode
Result

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	2.43749G	15.27	-14.73	159.9M	-45.23	2.39904G	-24.60	2.4G	-24.92	2.48632G	-49.65	23.25245G	-43.57	1
2412MHz	Pass	2.43749G	15.27	-14.73	159.9M	-45.96	2.4G	-26.42	2.4G	-25.88	2.4907G	-49.52	24.98314G	-42.80	2
2437MHz	Pass	2.43749G	15.27	-14.73	159.9M	-47.16	2.39952G	-36.15	2.4G	-37.34	2.4855G	-36.90	17.60523G	-43.03	1
2437MHz	Pass	2.43749G	15.27	-14.73	159.9M	-47.01	2.39952G	-36.86	2.4G	-38.91	2.48854G	-43.89	24.89605G	-41.77	2
2462MHz	Pass	2.43749G	15.27	-14.73	159.9M	-45.45	2.3984G	-50.98	2.4835G	-44.91	2.48504G	-40.24	16.25102G	-42.36	1
2462MHz	Pass	2.43749G	15.27	-14.73	159.9M	-45.90	2.39472G	-50.67	2.4835G	-37.91	2.4835G	-39.11	23.3536G	-42.87	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4395G	7.40	-22.60	159.9M	-48.60	2.39994G	-30.82	2.4G	-31.42	2.48816G	-50.69	24.05037G	-43.52	1
2412MHz	Pass	2.4395G	7.40	-22.60	159.9M	-47.59	2.39976G	-29.14	2.4G	-31.08	2.49736G	-50.93	23.53622G	-42.61	2
2437MHz	Pass	2.4395G	7.40	-22.60	159.9M	-47.32	2.39346G	-42.74	2.4G	-45.38	2.48406G	-46.01	24.88762G	-42.83	1
2437MHz	Pass	2.4395G	7.40	-22.60	159.9M	-46.71	2.39952G	-41.61	2.4G	-47.24	2.48394G	-45.03	24.93538G	-43.18	2
2462MHz	Pass	2.4395G	7.40	-22.60	159.9M	-46.70	2.39642G	-51.08	2.4835G	-43.03	2.48398G	-40.58	17.60242G	-42.25	1
2462MHz	Pass	2.4395G	7.40	-22.60	159.9M	-48.04	2.39174G	-51.30	2.4835G	-40.00	2.48418G	-38.75	24.98314G	-43.61	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.442G	7.29	-22.71	159.9M	-47.89	2.39884G	-23.40	2.4G	-24.06	2.48618G	-50.41	24.71623G	-42.98	1
2412MHz	Pass	2.442G	7.29	-22.71	159.9M	-46.49	2.39994G	-23.80	2.4G	-28.70	2.48868G	-50.45	16.86632G	-42.94	2
2437MHz	Pass	2.442G	7.29	-22.71	159.9M	-45.89	2.39794G	-42.03	2.4G	-44.96	2.48356G	-42.32	17.60523G	-42.51	1
2437MHz	Pass	2.442G	7.29	-22.71	159.9M	-47.94	2.3958G	-41.90	2.4G	-45.53	2.4836G	-42.95	16.23697G	-43.41	2
2462MHz	Pass	2.442G	7.29	-22.71	159.9M	-46.04	2.39604G	-51.79	2.4835G	-52.03	2.48422G	-40.07	16.22012G	-43.33	1
2462MHz	Pass	2.442G	7.29	-22.71	159.9M	-46.54	2.39354G	-51.71	2.4835G	-44.63	2.48412G	-41.93	24.95224G	-42.64	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44075G	2.50	-27.50	159.96M	-48.38	2.39672G	-34.05	2.4G	-38.41	2.48662G	-48.89	23.29763G	-42.61	1
2422MHz	Pass	2.44075G	2.50	-27.50	159.96M	-46.96	2.3952G	-32.78	2.4G	-40.01	2.4841G	-49.55	23.54724G	-43.40	2
2437MHz	Pass	2.44075G	2.50	-27.50	159.96M	-47.27	2.3998G	-32.26	2.4G	-37.35	2.48546G	-38.73	23.37335G	-43.31	1
2437MHz	Pass	2.44075G	2.50	-27.50	159.96M	-47.55	2.39952G	-29.28	2.4G	-37.35	2.48354G	-39.05	23.42103G	-42.24	2
2452MHz	Pass	2.44075G	2.50	-27.50	159.96M	-47.00	2.39524G	-47.18	2.4835G	-43.96	2.4845G	-36.78	16.20489G	-42.57	1
2452MHz	Pass	2.44075G	2.50	-27.50	159.96M	-47.08	2.39264G	-48.67	2.4835G	-43.56	2.48446G	-34.87	16.53863G	-42.84	2

For EUT 1 / Radio 3_Non-Beamforming Mode

802.11b_Nss1,(1Mbps)_2TX **CSE NdB**

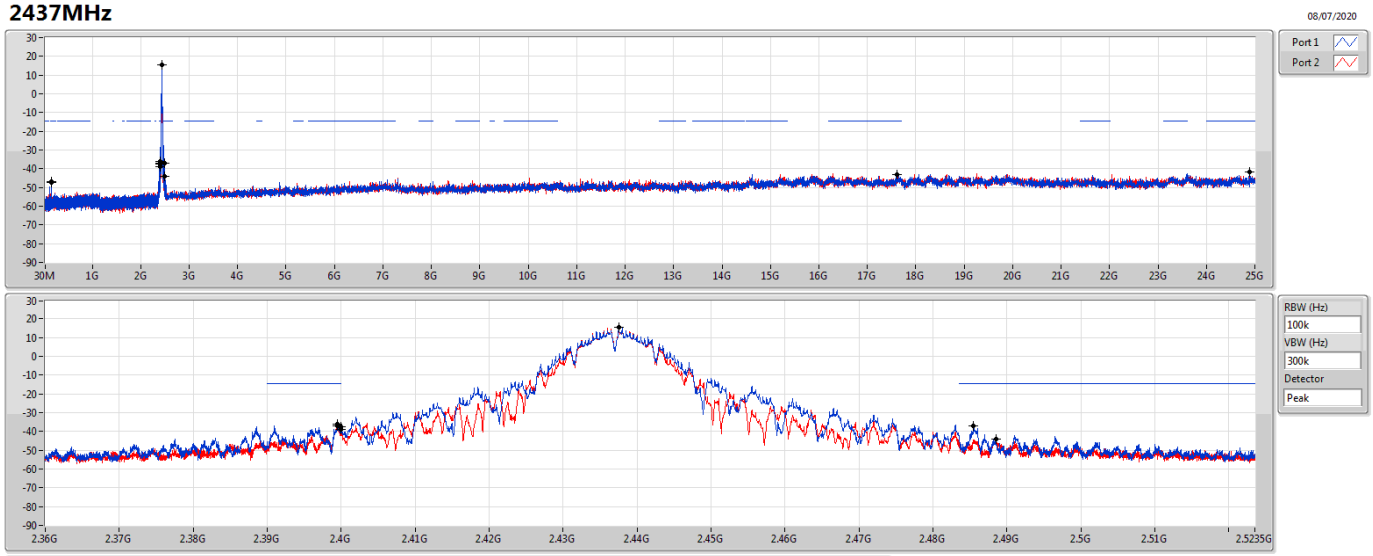
2412MHz



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
2.43749G	15.27	-14.73	159.9M	-45.23	2.39904G	-24.60	2.4G	-24.92	2.48632G	-49.65	23.25245G	-43.57	1
2.43749G	15.27	-14.73	159.9M	-45.96	2.4G	-26.42	2.4G	-25.88	2.4907G	-49.52	24.98314G	-42.80	2

802.11b_Nss1,(1Mbps)_2TX **CSE NdB**

2437MHz

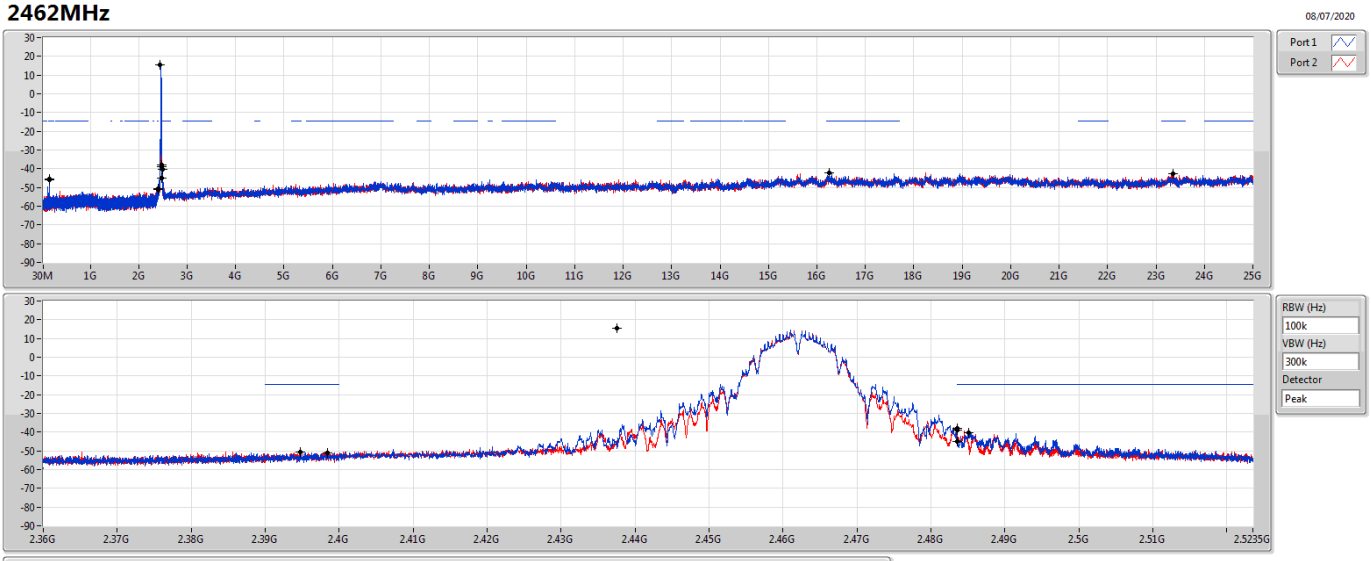


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43749G	15.27	-14.73	159.9M	-47.16	2.39952G	-36.15	2.4G	-37.34	2.4855G	-36.90	17.60523G	-43.03	1
2.43749G	15.27	-14.73	159.9M	-47.01	2.39952G	-36.86	2.4G	-38.91	2.48854G	-43.89	24.89605G	-41.77	2

For EUT 1 / Radio 3_Non-Beamforming Mode

802.11b_Nss1,(1Mbps)_2TX **CSE NdB**

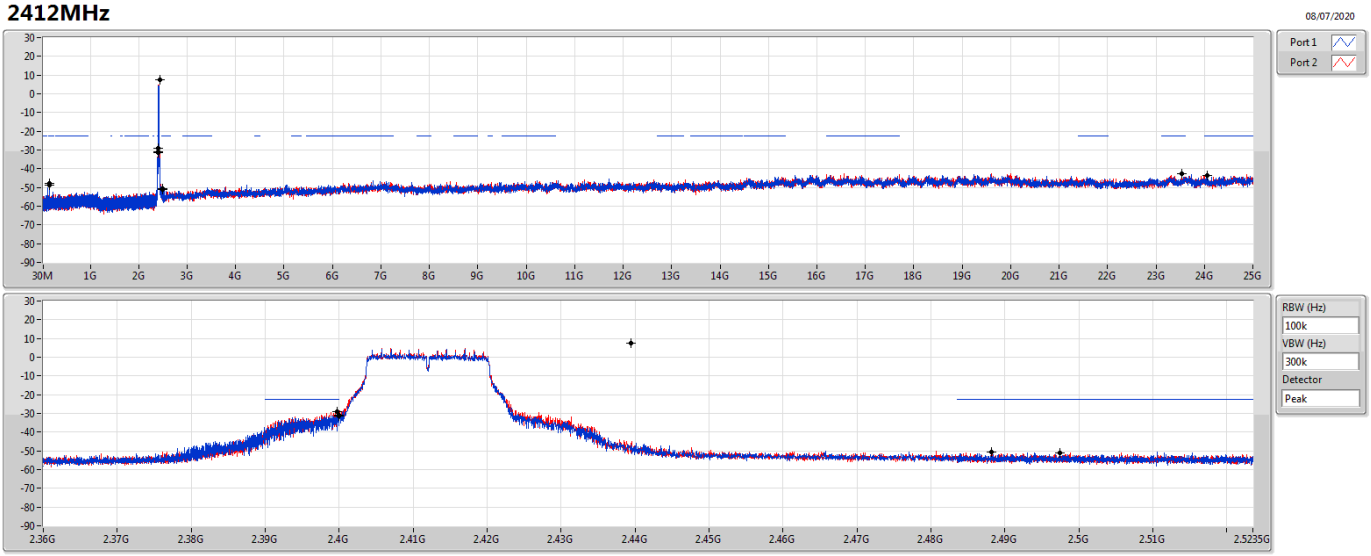
2462MHz



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
2.43749G	15.27	-14.73	159.9M	-45.45	2.3984G	-50.98	2.4835G	-44.91	2.48504G	-40.24	16.25102G	-42.36	1
2.43749G	15.27	-14.73	159.9M	-45.90	2.39472G	-50.67	2.4835G	-37.91	2.4835G	-39.11	23.3536G	-42.87	2

802.11g_Nss1,(6Mbps)_2TX **CSE NdB**

2412MHz

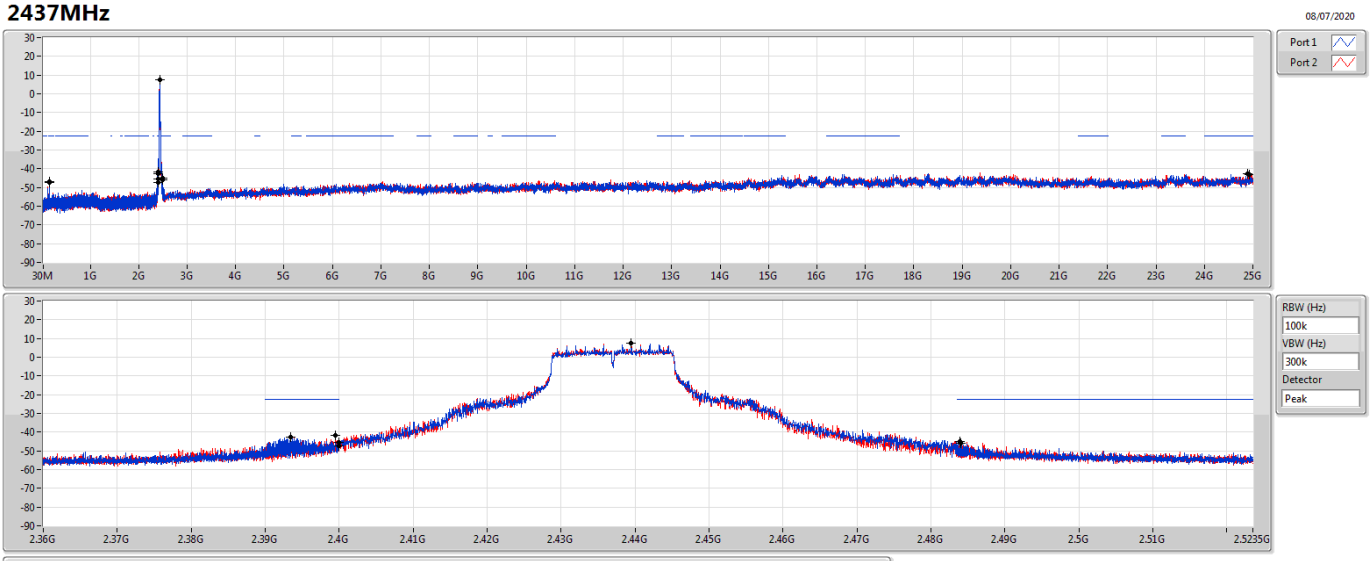


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4395G	7.40	-22.60	159.9M	-48.60	2.39994G	-30.82	2.4G	-31.42	2.48816G	-50.69	24.05037G	-43.52	1
2.4395G	7.40	-22.60	159.9M	-47.59	2.39976G	-29.14	2.4G	-31.08	2.49736G	-50.93	23.53622G	-42.61	2

For EUT 1 / Radio 3_Non-Beamforming Mode

802.11g_Nss1,(6Mbps)_2TX **CSE NdB**

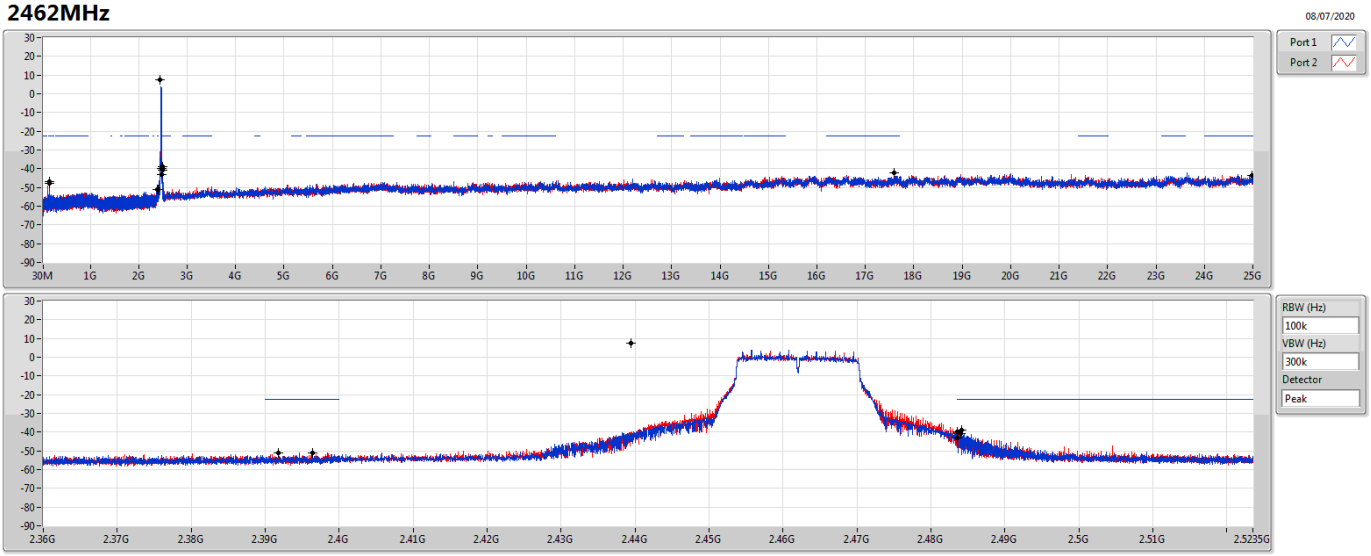
2437MHz



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
2.4395G	7.40	-22.60	159.9M	-47.32	2.39346G	-42.74	2.4G	-45.38	2.48406G	-46.01	24.88762G	-42.83	1
2.4395G	7.40	-22.60	159.9M	-46.71	2.39952G	-41.61	2.4G	-47.24	2.48394G	-45.03	24.93538G	-43.18	2

802.11g_Nss1,(6Mbps)_2TX **CSE NdB**

2462MHz

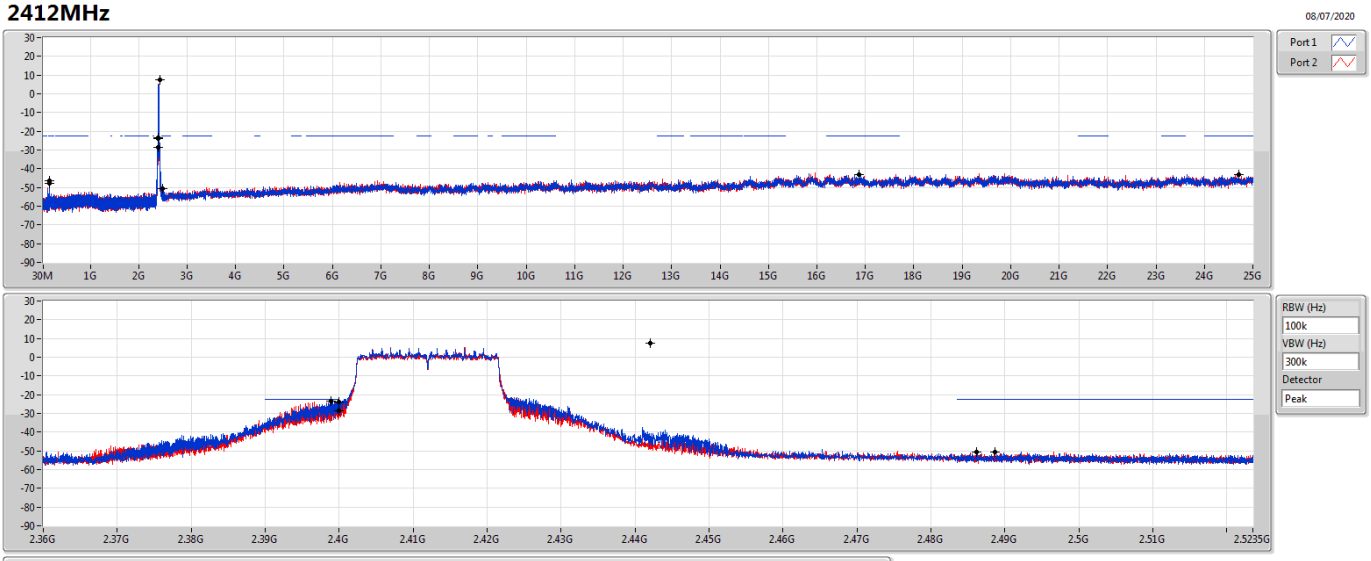


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4395G	7.40	-22.60	159.9M	-46.70	2.39642G	-51.08	2.4835G	-43.03	2.48398G	-40.58	17.60242G	-42.25	1
2.4395G	7.40	-22.60	159.9M	-48.04	2.39174G	-51.30	2.4835G	-40.00	2.48418G	-38.75	24.98314G	-43.61	2

For EUT 1 / Radio 3_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_2TX **CSE NdB**

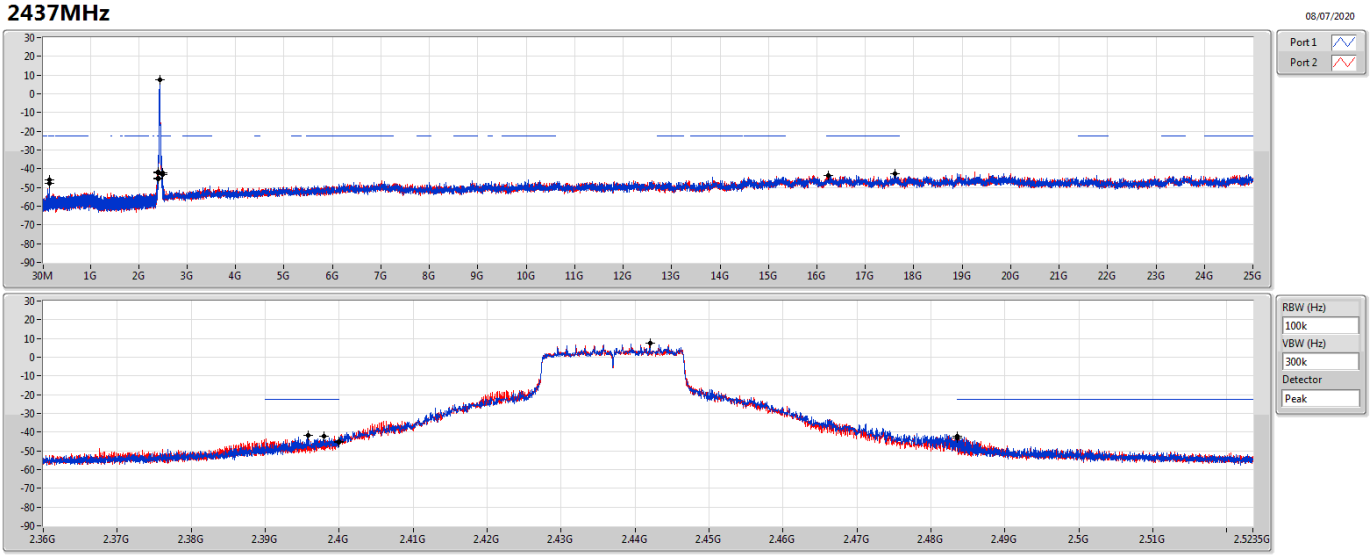
2412MHz



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
2.442G	7.29	-22.71	159.9M	-47.89	2.39884G	-23.40	2.4G	-24.06	2.48618G	-50.41	24.71623G	-42.98	1
2.442G	7.29	-22.71	159.9M	-46.49	2.39994G	-23.80	2.4G	-28.70	2.48868G	-50.45	16.86632G	-42.94	2

802.11ax HEW20_Nss1,(MCS0)_2TX **CSE NdB**

2437MHz

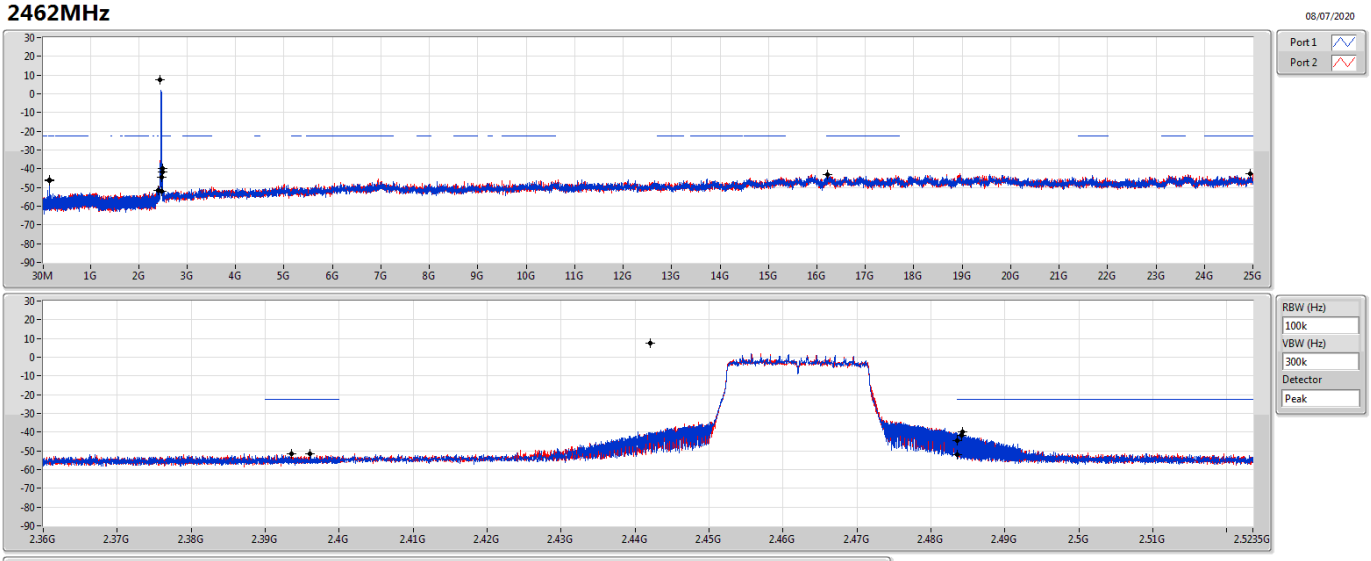


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	7.29	-22.71	159.9M	-45.89	2.39794G	-42.03	2.4G	-44.96	2.48356G	-42.32	17.60523G	-42.51	1
2.442G	7.29	-22.71	159.9M	-47.94	2.3958G	-41.90	2.4G	-45.53	2.4836G	-42.95	16.23697G	-43.41	2

For EUT 1 / Radio 3_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_2TX **CSE NdB**

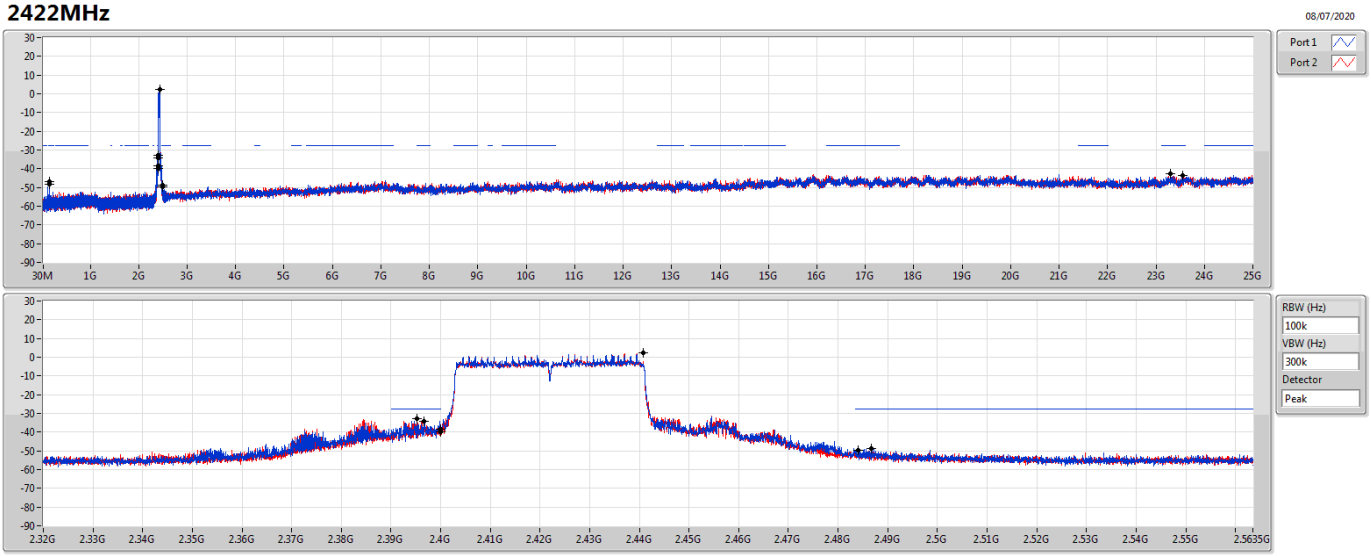
2462MHz



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
2.442G	7.29	-22.71	159.9M	-46.04	2.39604G	-51.79	2.4835G	-52.03	2.48422G	-40.07	16.22012G	-43.33	1
2.442G	7.29	-22.71	159.9M	-46.54	2.39354G	-51.71	2.4835G	-44.63	2.48412G	-41.93	24.95224G	-42.64	2

802.11ax HEW40_Nss1,(MCS0)_2TX **CSE NdB**

2422MHz

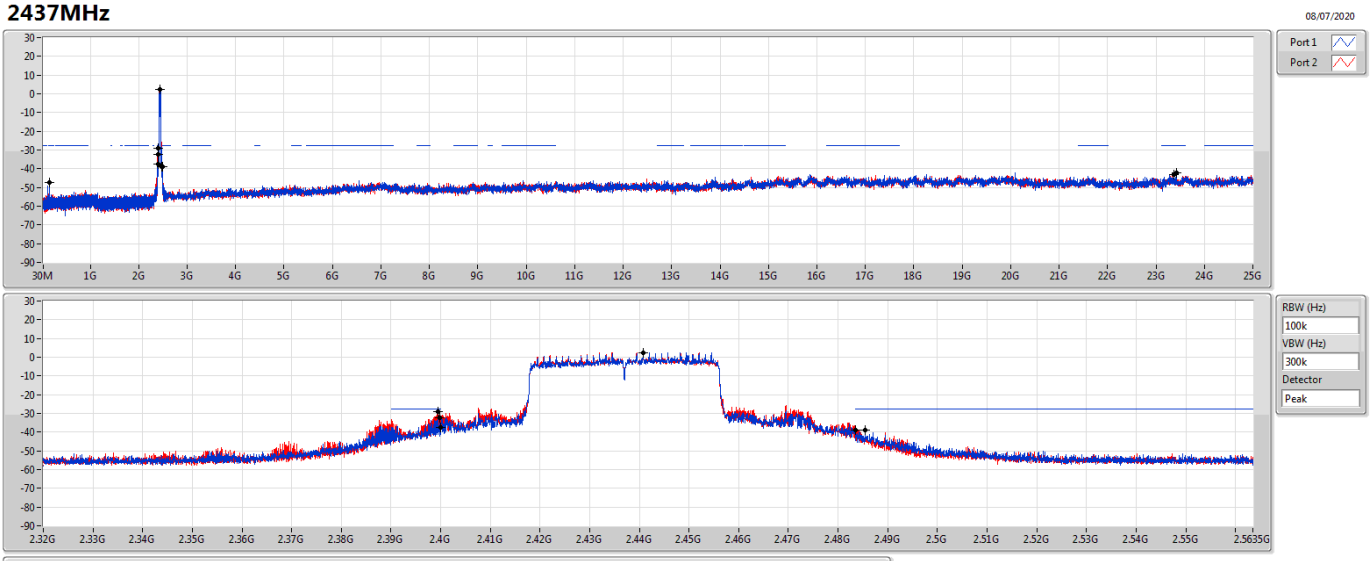


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44075G	2.50	-27.50	159.96M	-48.38	2.39672G	-34.05	2.4G	-38.41	2.48662G	-48.89	23.29763G	-42.61	1
2.44075G	2.50	-27.50	159.96M	-46.96	2.3952G	-32.78	2.4G	-40.01	2.4841G	-49.55	23.54724G	-43.40	2

For EUT 1 / Radio 3_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_2TX **CSE NdB**

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
2.44075G	2.50	-27.50	159.96M	-47.27	2.3998G	-32.26	2.4G	-37.35	2.48546G	-38.73	23.37335G	-43.31	1
2.44075G	2.50	-27.50	159.96M	-47.55	2.39952G	-29.28	2.4G	-37.35	2.48354G	-39.05	23.42103G	-42.24	2

802.11ax HEW40_Nss1,(MCS0)_2TX **CSE NdB**

2452MHz

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
2.44075G	2.50	-27.50	159.96M	-47.00	2.39524G	-47.18	2.4835G	-43.96	2.4845G	-36.78	16.20489G	-42.57	1
2.44075G	2.50	-27.50	159.96M	-47.08	2.39264G	-48.67	2.4835G	-43.56	2.48446G	-34.87	16.53863G	-42.84	2

For EUT 2 / Radio 2 / External Ant.1_Non-Beamforming Mode
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	2.43599G	14.69	-15.31	426.68M	-54.18	2.39998G	-26.28	2.4G	-27.85	2.4883G	-51.52	23.25526G	-46.28	2
802.11g_Nss1,(6Mbps)_4TX	Pass	2.44451G	9.36	-20.64	842.3M	-53.02	2.39976G	-33.64	2.4G	-37.38	2.50096G	-52.79	15.03729G	-45.36	4
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	2.4395G	8.91	-21.09	2.09846G	-53.89	2.4G	-35.65	2.4G	-34.95	2.48912G	-40.18	23.41541G	-45.24	4
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	2.45448G	2.19	-27.81	2.12048G	-53.72	2.3992G	-38.55	2.4G	-42.75	2.48378G	-44.46	17.67729G	-46.25	1

For EUT 2 / Radio 2 / External Ant.1_Non-Beamforming Mode
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	2.43599G	14.69	-15.31	918.6M	-53.38	2.4G	-30.01	2.4G	-30.25	2.4862G	-50.61	24.98876G	-46.06	1
2412MHz	Pass	2.43599G	14.69	-15.31	426.68M	-54.18	2.39998G	-26.28	2.4G	-27.85	2.4883G	-51.52	23.25526G	-46.28	2
2412MHz	Pass	2.43599G	14.69	-15.31	921.23M	-52.70	2.4G	-28.62	2.4G	-29.07	2.50032G	-51.21	16.23978G	-45.42	3
2412MHz	Pass	2.43599G	14.69	-15.31	2.14914G	-53.97	2.4G	-29.36	2.4G	-29.40	2.49016G	-50.81	14.60462G	-45.70	4
2437MHz	Pass	2.43599G	14.69	-15.31	741.82M	-53.61	2.39952G	-40.22	2.4G	-43.75	2.4882G	-47.74	15.08786G	-45.66	1
2437MHz	Pass	2.43599G	14.69	-15.31	949.48M	-52.98	2.39798G	-41.46	2.4G	-46.99	2.48848G	-45.82	24.85109G	-44.82	2
2437MHz	Pass	2.43599G	14.69	-15.31	875.5M	-53.58	2.39948G	-43.56	2.4G	-44.65	2.4857G	-47.89	16.25664G	-45.15	3
2437MHz	Pass	2.43599G	14.69	-15.31	944.53M	-53.45	2.39266G	-48.77	2.4G	-47.81	2.48546G	-47.98	24.90167G	-45.84	4
2462MHz	Pass	2.43599G	14.69	-15.31	2.11943G	-53.88	2.39124G	-52.01	2.4835G	-48.60	2.48618G	-46.99	24.86795G	-45.94	1
2462MHz	Pass	2.43599G	14.69	-15.31	1.92749G	-53.40	2.39942G	-52.20	2.4835G	-50.10	2.4864G	-49.03	17.66423G	-45.53	2
2462MHz	Pass	2.43599G	14.69	-15.31	876.37M	-53.70	2.3942G	-52.28	2.4835G	-49.39	2.48692G	-47.39	15.07382G	-45.15	3
2462MHz	Pass	2.43599G	14.69	-15.31	367.85M	-53.36	2.392G	-51.62	2.4835G	-50.76	2.48636G	-48.84	23.52217G	-45.92	4
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44451G	9.36	-20.64	899.67M	-54.29	2.39994G	-36.55	2.4G	-37.96	2.48364G	-51.75	15.02324G	-45.40	1
2412MHz	Pass	2.44451G	9.36	-20.64	911.32M	-53.43	2.39922G	-35.07	2.4G	-40.20	2.49496G	-51.07	23.46598G	-45.07	2
2412MHz	Pass	2.44451G	9.36	-20.64	1.86371G	-52.21	2.39976G	-35.86	2.4G	-39.93	2.48706G	-51.89	15.07663G	-45.34	3
2412MHz	Pass	2.44451G	9.36	-20.64	842.3M	-53.02	2.39976G	-33.64	2.4G	-37.38	2.50096G	-52.79	15.03729G	-45.36	4
2437MHz	Pass	2.44451G	9.36	-20.64	2.01341G	-53.91	2.39984G	-34.29	2.4G	-37.23	2.4847G	-42.15	24.941G	-45.88	1
2437MHz	Pass	2.44451G	9.36	-20.64	922.97M	-53.41	2.3986G	-36.34	2.4G	-39.66	2.48626G	-41.47	24.5589G	-44.55	2
2437MHz	Pass	2.44451G	9.36	-20.64	2.30728G	-54.03	2.39826G	-37.83	2.4G	-38.22	2.48412G	-42.54	15.31544G	-45.88	3
2437MHz	Pass	2.44451G	9.36	-20.64	842.3M	-53.39	2.39854G	-33.78	2.4G	-39.87	2.48602G	-39.31	17.68109G	-44.67	4
2462MHz	Pass	2.44451G	9.36	-20.64	1.91905G	-53.81	2.3992G	-52.14	2.4835G	-49.34	2.48416G	-46.22	24.75557G	-44.65	1
2462MHz	Pass	2.44451G	9.36	-20.64	756.09M	-53.70	2.39974G	-53.00	2.4835G	-46.45	2.48446G	-45.68	15.32949G	-45.54	2
2462MHz	Pass	2.44451G	9.36	-20.64	1.7941G	-53.44	2.39694G	-52.79	2.4835G	-48.17	2.48392G	-46.34	15.09067G	-46.26	3
2462MHz	Pass	2.44451G	9.36	-20.64	1.92924G	-53.76	2.39112G	-52.46	2.4835G	-48.72	2.48388G	-45.83	15.07101G	-45.30	4
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4395G	8.91	-21.09	871.42M	-54.13	2.39986G	-36.37	2.4G	-36.73	2.48478G	-52.86	24.87919G	-45.79	1
2412MHz	Pass	2.4395G	8.91	-21.09	829.48M	-53.03	2.39998G	-35.97	2.4G	-43.08	2.48432G	-52.12	24.79771G	-46.20	2
2412MHz	Pass	2.4395G	8.91	-21.09	2.11069G	-54.08	2.3999G	-35.59	2.4G	-35.46	2.48396G	-52.02	15.27891G	-44.78	3
2412MHz	Pass	2.4395G	8.91	-21.09	1.90536G	-54.23	2.3994G	-36.14	2.4G	-44.48	2.49552G	-52.47	17.69795G	-44.90	4
2437MHz	Pass	2.4395G	8.91	-21.09	871.71M	-53.25	2.39894G	-36.06	2.4G	-35.86	2.4846G	-40.50	23.5306G	-45.71	1
2437MHz	Pass	2.4395G	8.91	-21.09	945.98M	-53.08	2.3989G	-37.07	2.4G	-37.93	2.4869G	-39.74	24.96348G	-45.17	2
2437MHz	Pass	2.4395G	8.91	-21.09	940.16M	-53.81	2.39888G	-39.17	2.4G	-37.74	2.48372G	-42.33	15.25644G	-44.79	3
2437MHz	Pass	2.4395G	8.91	-21.09	2.09846G	-53.89	2.4G	-35.65	2.4G	-34.95	2.48912G	-40.18	23.41541G	-45.24	4
2462MHz	Pass	2.4395G	8.91	-21.09	520.76M	-53.27	2.3981G	-53.45	2.4835G	-49.41	2.48412G	-47.74	15.01481G	-45.46	1
2462MHz	Pass	2.4395G	8.91	-21.09	953.26M	-54.06	2.3996G	-53.47	2.4835G	-49.04	2.4843G	-48.14	14.95581G	-45.31	2
2462MHz	Pass	2.4395G	8.91	-21.09	1.62692G	-53.80	2.3946G	-52.30	2.4835G	-51.60	2.48406G	-47.71	24.86514G	-46.33	3
2462MHz	Pass	2.4395G	8.91	-21.09	1.77721G	-54.17	2.39918G	-52.94	2.4835G	-52.52	2.4842G	-48.21	17.68952G	-45.09	4
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.45448G	2.19	-27.81	881.59M	-54.04	2.39836G	-43.45	2.4G	-44.14	2.4881G	-51.42	15.09709G	-45.24	1
2422MHz	Pass	2.45448G	2.19	-27.81	856.69M	-54.10	2.39952G	-42.02	2.4G	-46.36	2.50694G	-51.16	17.69411G	-45.48	2
2422MHz	Pass	2.45448G	2.19	-27.81	776.54M	-52.58	2.39788G	-44.22	2.4G	-46.33	2.4845G	-52.49	16.60314G	-44.79	3
2422MHz	Pass	2.45448G	2.19	-27.81	1.99425G	-53.98	2.39708G	-39.19	2.4G	-45.64	2.4849G	-51.62	15.06063G	-45.58	4
2437MHz	Pass	2.45448G	2.19	-27.81	2.12048G	-53.72	2.3992G	-38.55	2.4G	-42.75	2.48378G	-44.46	17.67729G	-46.25	1
2437MHz	Pass	2.45448G	2.19	-27.81	1.87145G	-54.04	2.39728G	-41.47	2.4G	-44.31	2.48486G	-43.28	15.24573G	-44.85	2
2437MHz	Pass	2.45448G	2.19	-27.81	1.79616G	-53.13	2.39912G	-40.92	2.4G	-44.22	2.48414G	-46.06	24.139G	-45.64	3

For EUT 2 / Radio 2 / External Ant.1_Non-Beamforming Mode

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
2437MHz	Pass	2.45448G	2.19	-27.81	855.26M	-53.93	2.39644G	-38.60	2.4G	-39.94	2.48566G	-43.29	17.09113G	-45.44	4
2452MHz	Pass	2.45448G	2.19	-27.81	2.17773G	-53.36	2.39616G	-50.85	2.4835G	-48.74	2.48682G	-47.30	17.68851G	-45.85	1
2452MHz	Pass	2.45448G	2.19	-27.81	1.80418G	-53.54	2.39796G	-52.07	2.4835G	-50.65	2.48446G	-46.39	17.52865G	-45.78	2
2452MHz	Pass	2.45448G	2.19	-27.81	887.89M	-53.29	2.39964G	-51.84	2.4835G	-48.64	2.48386G	-47.68	15.03819G	-45.58	3
2452MHz	Pass	2.45448G	2.19	-27.81	930.83M	-53.10	2.39724G	-52.09	2.4835G	-49.66	2.48498G	-43.43	15.04941G	-45.79	4

For EUT 2 / Radio 2 / External Ant.1_Non-Beamforming Mode

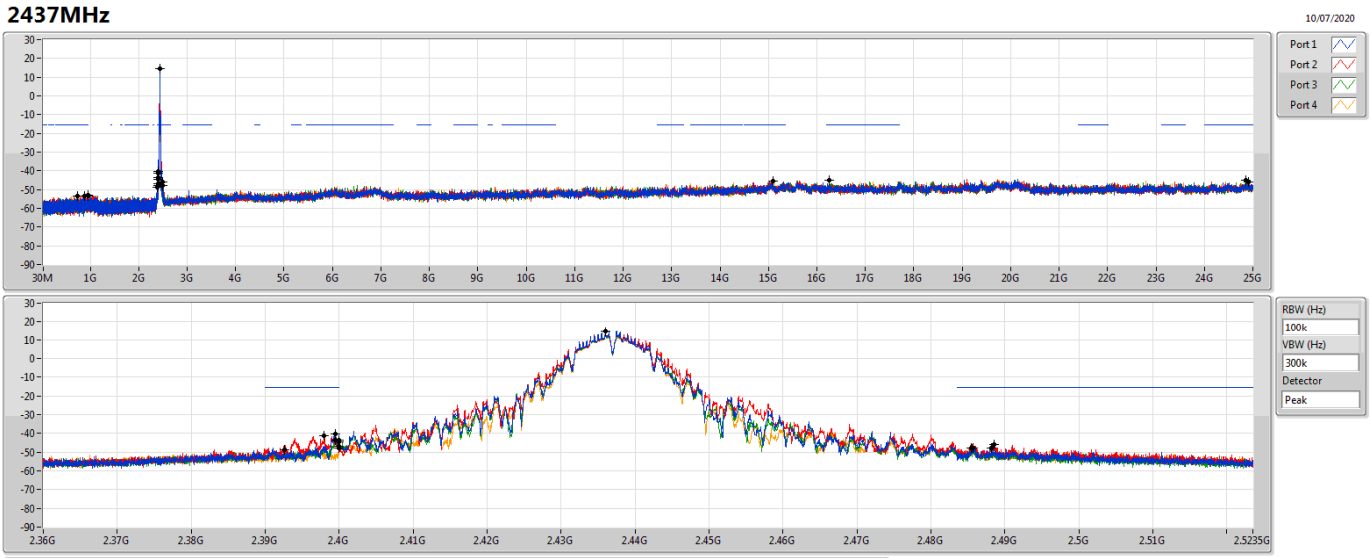
802.11b_Nss1,(1Mbps)_4TX **CSE NdB**

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
2.43599G	14.69	-15.31	918.6M	-53.38	2.4G	-30.01	2.4G	-30.25	2.4862G	-50.61	24.98876G	-46.06	1
2.43599G	14.69	-15.31	426.68M	-54.18	2.39998G	-26.28	2.4G	-27.85	2.4883G	-51.52	23.25526G	-46.28	2
2.43599G	14.69	-15.31	921.23M	-52.70	2.4G	-28.62	2.4G	-29.07	2.50032G	-51.21	16.23978G	-45.42	3
2.43599G	14.69	-15.31	2.14914G	-53.97	2.4G	-29.36	2.4G	-29.40	2.49016G	-50.81	14.60462G	-45.70	4

802.11b_Nss1,(1Mbps)_4TX **CSE NdB**

2437MHz

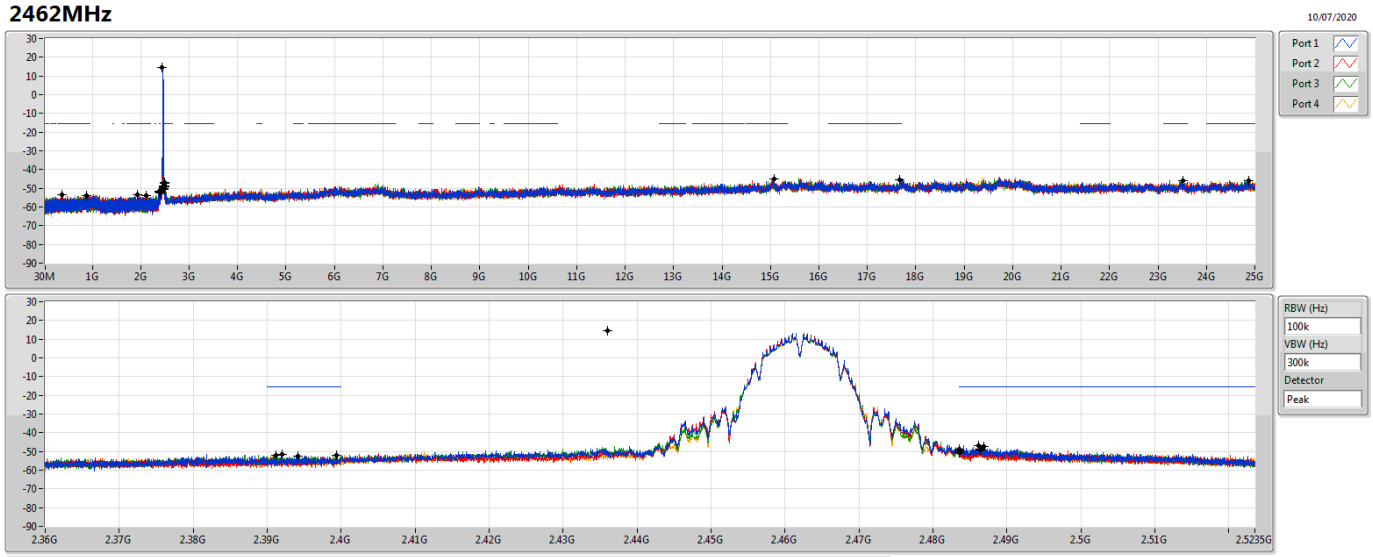


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43599G	14.69	-15.31	741.82M	-53.61	2.39952G	-40.22	2.4G	-43.75	2.4882G	-47.74	15.08786G	-45.66	1
2.43599G	14.69	-15.31	949.48M	-52.98	2.39798G	-41.46	2.4G	-46.99	2.48848G	-45.82	24.85109G	-44.82	2
2.43599G	14.69	-15.31	875.5M	-53.58	2.39948G	-43.56	2.4G	-44.65	2.4857G	-47.89	16.25664G	-45.15	3
2.43599G	14.69	-15.31	944.53M	-53.45	2.39266G	-48.77	2.4G	-47.81	2.48546G	-47.98	24.90167G	-45.84	4

For EUT 2 / Radio 2 / External Ant.1_Non-Beamforming Mode

802.11b_Nss1,(1Mbps)_4TX **CSE NdB**

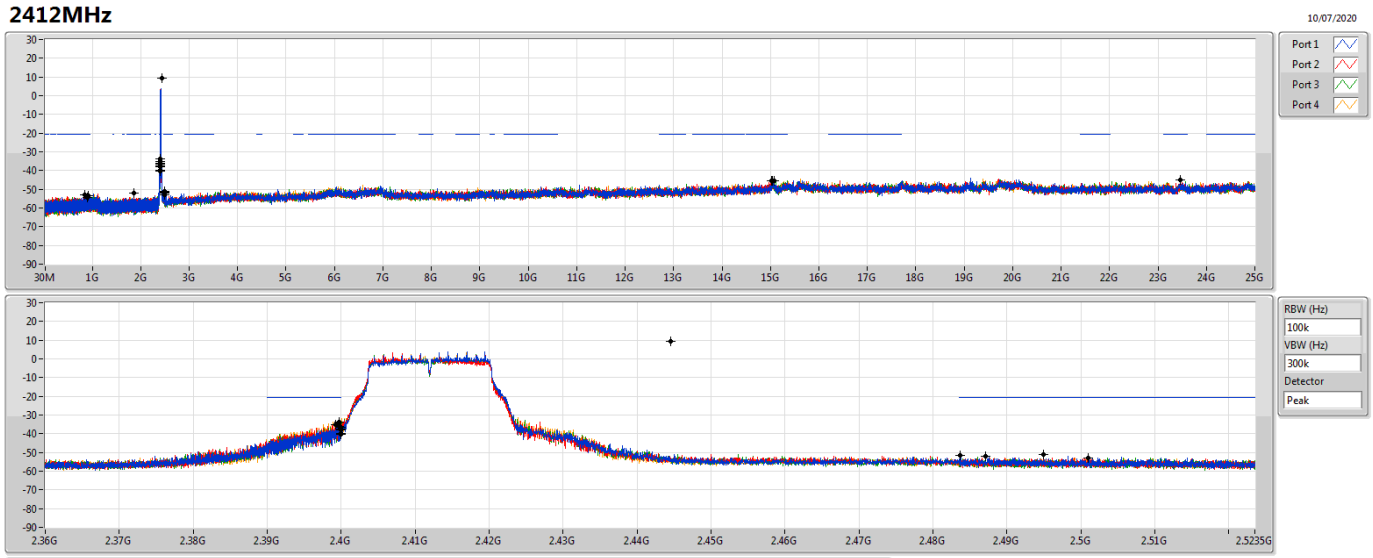
2462MHz



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
2.43599G	14.69	-15.31	2.11943G	-53.88	2.39124G	-52.01	2.4835G	-48.60	2.48618G	-46.99	24.86795G	-45.94	1
2.43599G	14.69	-15.31	1.92749G	-53.40	2.39942G	-52.20	2.4835G	-50.10	2.4864G	-49.03	17.66423G	-45.53	2
2.43599G	14.69	-15.31	876.37M	-53.70	2.3942G	-52.28	2.4835G	-49.39	2.48692G	-47.39	15.07382G	-45.15	3
2.43599G	14.69	-15.31	367.85M	-53.36	2.392G	-51.62	2.4835G	-50.76	2.48636G	-48.84	23.52217G	-45.92	4

802.11g_Nss1,(6Mbps)_4TX **CSE NdB**

2412MHz

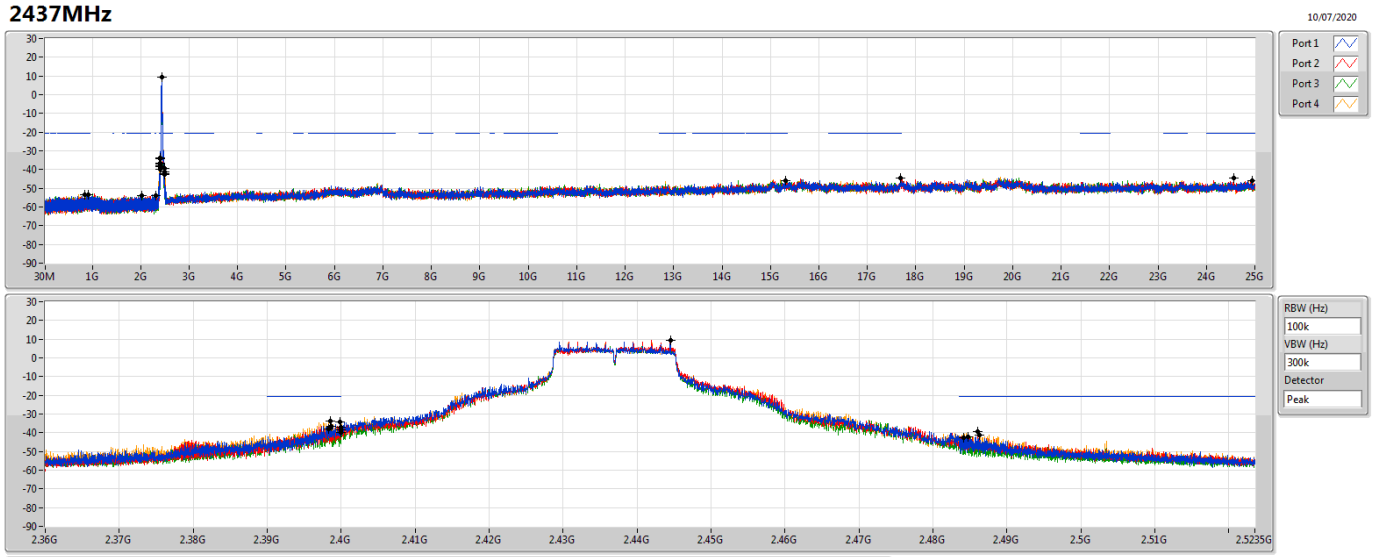


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44451G	9.36	-20.64	899.67M	-54.29	2.39994G	-36.55	2.4G	-37.96	2.48364G	-51.75	15.02324G	-45.40	1
2.44451G	9.36	-20.64	911.32M	-53.43	2.39922G	-35.07	2.4G	-40.20	2.49496G	-51.07	23.46598G	-45.07	2
2.44451G	9.36	-20.64	1.86371G	-52.21	2.39976G	-35.86	2.4G	-39.93	2.48706G	-51.89	15.07663G	-45.34	3
2.44451G	9.36	-20.64	842.3M	-53.02	2.39976G	-33.64	2.4G	-37.38	2.50096G	-52.79	15.03729G	-45.36	4

For EUT 2 / Radio 2 / External Ant.1_Non-Beamforming Mode

802.11g_Nss1,(6Mbps)_4TX **CSE NdB**

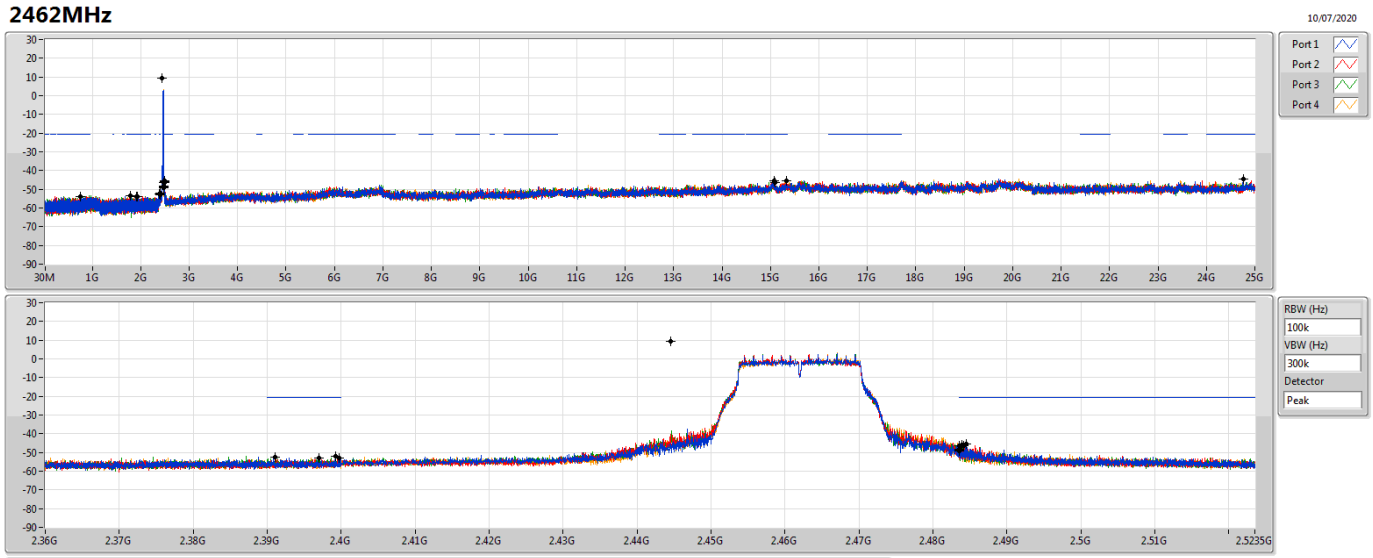
2437MHz



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
2.44451G	9.36	-20.64	2.01341G	-53.91	2.39984G	-34.29	2.4G	-37.23	2.4847G	-42.15	24.941G	-45.88	1
2.44451G	9.36	-20.64	922.97M	-53.41	2.3986G	-36.34	2.4G	-39.66	2.48626G	-41.47	24.5589G	-44.55	2
2.44451G	9.36	-20.64	2.30728G	-54.03	2.39826G	-37.83	2.4G	-38.22	2.48412G	-42.54	15.31544G	-45.88	3
2.44451G	9.36	-20.64	842.3M	-53.39	2.39854G	-33.78	2.4G	-39.87	2.48602G	-39.31	17.68109G	-44.67	4

802.11g_Nss1,(6Mbps)_4TX **CSE NdB**

2462MHz

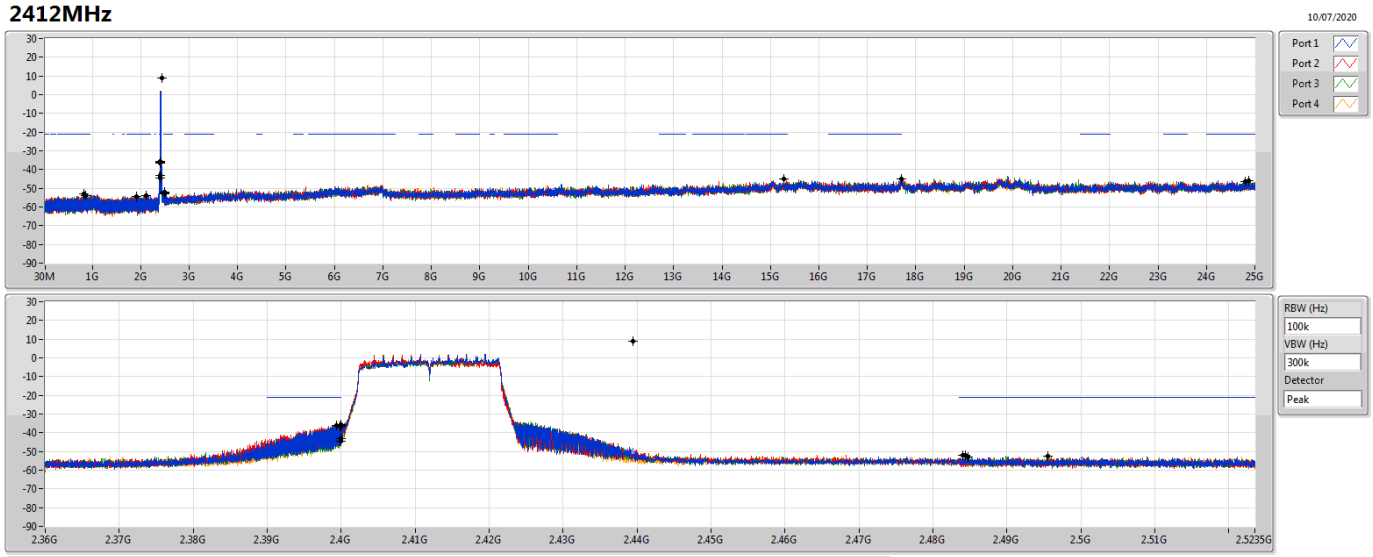


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44451G	9.36	-20.64	1.91905G	-53.81	2.3992G	-52.14	2.4835G	-49.34	2.48416G	-46.22	24.75557G	-44.65	1
2.44451G	9.36	-20.64	756.09M	-53.70	2.39974G	-53.00	2.4835G	-46.45	2.48446G	-45.68	15.32949G	-45.54	2
2.44451G	9.36	-20.64	1.7941G	-53.44	2.39694G	-52.79	2.4835G	-48.17	2.48392G	-46.34	15.09067G	-46.26	3
2.44451G	9.36	-20.64	1.92924G	-53.76	2.39112G	-52.46	2.4835G	-48.72	2.48388G	-45.83	15.07101G	-45.30	4

For EUT 2 / Radio 2 / External Ant.1_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_4TX **CSE NdB**

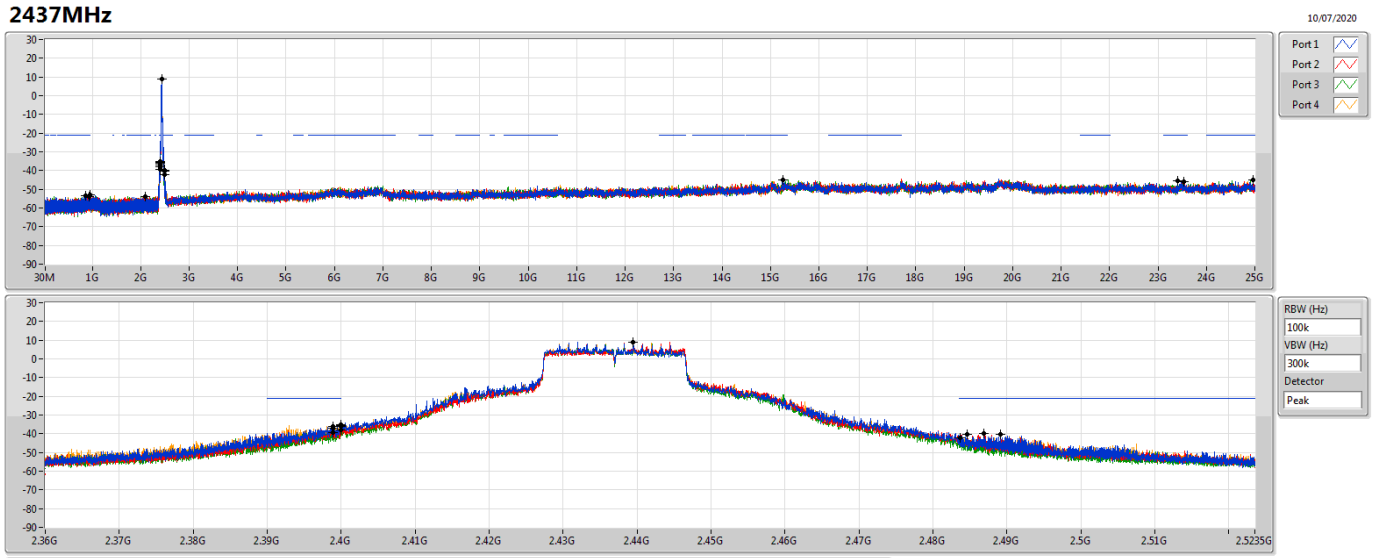
2412MHz



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
2.4395G	8.91	-21.09	871.42M	-54.13	2.39986G	-36.37	2.4G	-36.73	2.48478G	-52.86	24.87919G	-45.79	1
2.4395G	8.91	-21.09	829.48M	-53.03	2.39998G	-35.97	2.4G	-43.08	2.48432G	-52.12	24.79771G	-46.20	2
2.4395G	8.91	-21.09	2.11069G	-54.08	2.3999G	-35.59	2.4G	-35.46	2.48396G	-52.02	15.27891G	-44.78	3
2.4395G	8.91	-21.09	1.90536G	-54.23	2.3994G	-36.14	2.4G	-44.48	2.49552G	-52.47	17.69795G	-44.90	4

802.11ax HEW20_Nss1,(MCS0)_4TX **CSE NdB**

2437MHz

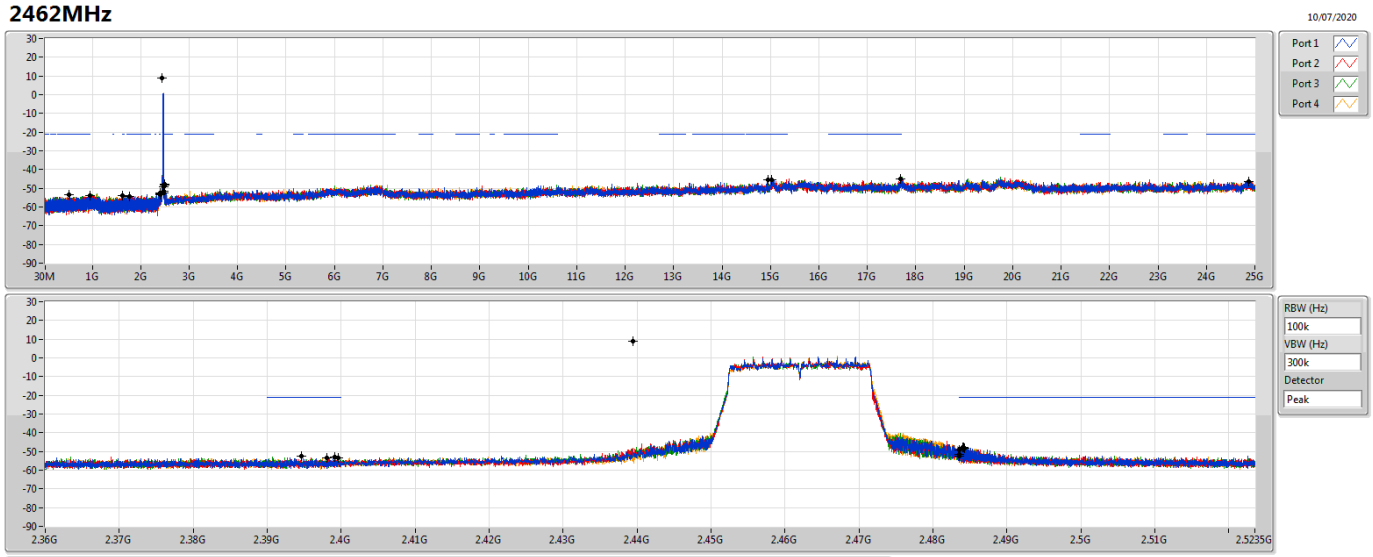


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4395G	8.91	-21.09	871.71M	-53.25	2.39894G	-36.06	2.4G	-35.86	2.4846G	-40.50	23.5306G	-45.71	1
2.4395G	8.91	-21.09	945.98M	-53.08	2.3989G	-37.07	2.4G	-37.93	2.4869G	-39.74	24.96348G	-45.17	2
2.4395G	8.91	-21.09	940.16M	-53.81	2.39888G	-39.17	2.4G	-37.74	2.48372G	-42.33	15.25644G	-44.79	3
2.4395G	8.91	-21.09	2.09846G	-53.89	2.4G	-35.65	2.4G	-34.95	2.48912G	-40.18	23.41541G	-45.24	4

For EUT 2 / Radio 2 / External Ant.1_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_4TX **CSE NdB**

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
2.4395G	8.91	-21.09	520.76M	-53.27	2.3981G	-53.45	2.4835G	-49.41	2.48412G	-47.74	15.01481G	-45.46	1
2.4395G	8.91	-21.09	953.26M	-54.06	2.3996G	-53.47	2.4835G	-49.04	2.4843G	-48.14	14.95581G	-45.31	2
2.4395G	8.91	-21.09	1.62692G	-53.80	2.3946G	-52.30	2.4835G	-51.60	2.48406G	-47.71	24.86514G	-46.33	3
2.4395G	8.91	-21.09	1.77721G	-54.17	2.39918G	-52.94	2.4835G	-52.52	2.4842G	-48.21	17.68952G	-45.09	4

802.11ax HEW40_Nss1,(MCS0)_4TX **CSE NdB**

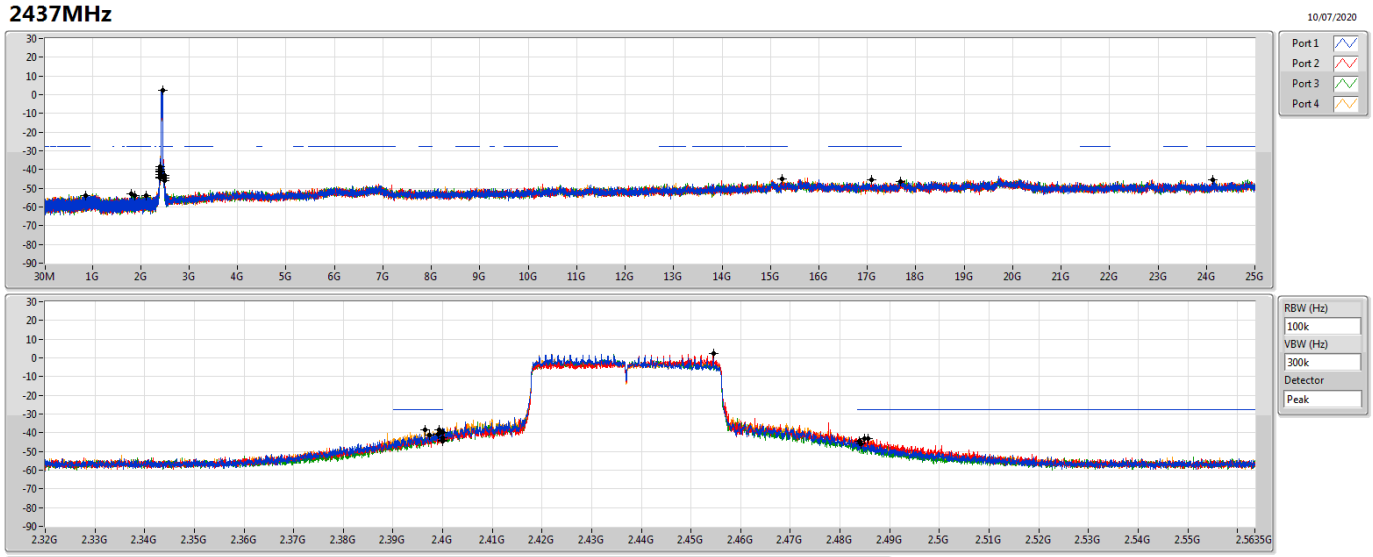
2422MHz

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
2.45448G	2.19	-27.81	881.59M	-54.04	2.39836G	-43.45	2.4G	-44.14	2.4881G	-51.42	15.09709G	-45.24	1
2.45448G	2.19	-27.81	856.69M	-54.10	2.39952G	-42.02	2.4G	-46.36	2.50694G	-51.16	17.69411G	-45.48	2
2.45448G	2.19	-27.81	776.54M	-52.58	2.39788G	-44.22	2.4G	-46.33	2.4845G	-52.49	16.60314G	-44.79	3
2.45448G	2.19	-27.81	1.99425G	-53.98	2.39708G	-39.19	2.4G	-45.64	2.4849G	-51.62	15.06063G	-45.58	4

For EUT 2 / Radio 2 / External Ant.1_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_4TX **CSE NdB**

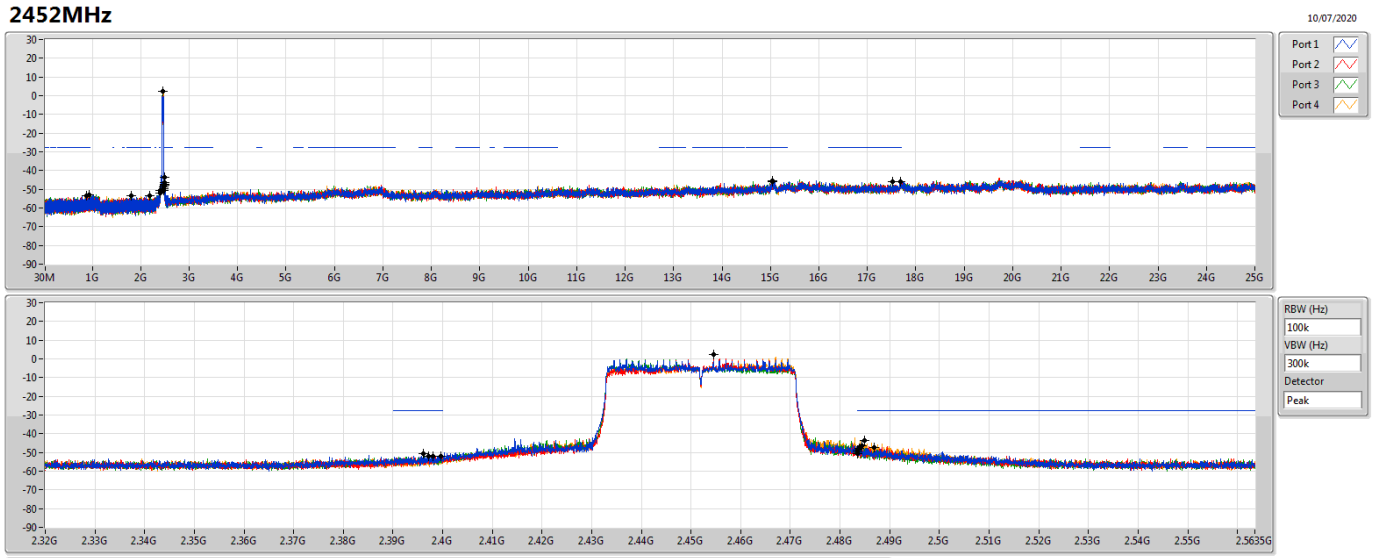
2437MHz



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
2.45448G	2.19	-27.81	2.12048G	-53.72	2.3992G	-38.55	2.4G	-42.75	2.48378G	-44.46	17.67729G	-46.25	1
2.45448G	2.19	-27.81	1.87145G	-54.04	2.39728G	-41.47	2.4G	-44.31	2.48486G	-43.28	15.24573G	-44.85	2
2.45448G	2.19	-27.81	1.79616G	-53.13	2.39912G	-40.92	2.4G	-44.22	2.48414G	-46.06	24.139G	-45.64	3
2.45448G	2.19	-27.81	855.26M	-53.93	2.39644G	-38.60	2.4G	-39.94	2.48566G	-43.29	17.09113G	-45.44	4

802.11ax HEW40_Nss1,(MCS0)_4TX **CSE NdB**

2452MHz



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
2.45448G	2.19	-27.81	2.17773G	-53.36	2.39616G	-50.85	2.4835G	-48.74	2.48682G	-47.30	17.68851G	-45.85	1
2.45448G	2.19	-27.81	1.80418G	-53.54	2.39796G	-52.07	2.4835G	-50.65	2.48446G	-46.39	17.52865G	-45.78	2
2.45448G	2.19	-27.81	887.89M	-53.29	2.39964G	-51.84	2.4835G	-48.64	2.48386G	-47.68	15.03819G	-45.58	3
2.45448G	2.19	-27.81	930.83M	-53.10	2.39724G	-52.09	2.4835G	-49.66	2.48498G	-43.43	15.04941G	-45.79	4

For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode
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	2.43749G	14.21	-15.79	214.94M	-54.08	2.4G	-28.14	2.4G	-30.19	2.48556G	-51.49	23.48284G	-46.08	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.44196G	9.41	-20.59	1.88352G	-53.63	2.39982G	-31.96	2.4G	-37.74	2.4842G	-52.24	15.23677G	-45.22	2
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.442G	9.44	-20.56	919.77M	-53.82	2.39994G	-29.62	2.4G	-31.33	2.49562G	-52.74	15.05415G	-45.48	1
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.43198G	2.08	-27.92	2.07211G	-52.25	2.39956G	-34.17	2.4G	-36.10	2.48422G	-42.36	17.69131G	-45.92	2

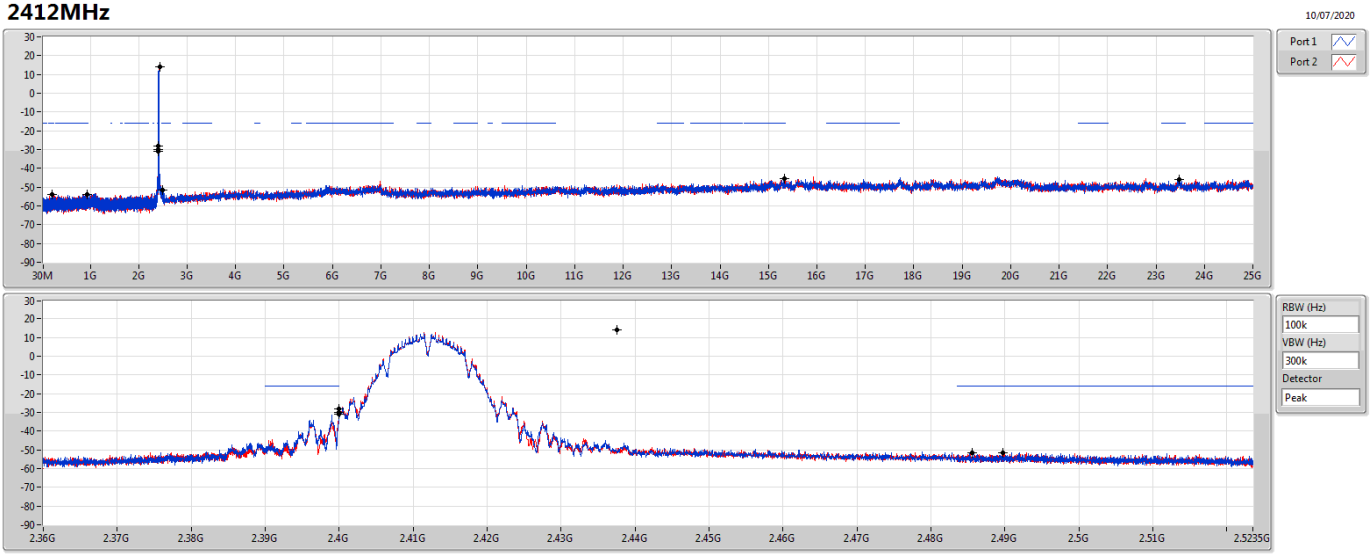
For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode
Result

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	2.43749G	14.21	-15.79	929.96M	-54.12	2.39998G	-30.82	2.4G	-31.02	2.48968G	-51.44	15.32668G	-45.56	1
2412MHz	Pass	2.43749G	14.21	-15.79	214.94M	-54.08	2.4G	-28.14	2.4G	-30.19	2.48556G	-51.49	23.48284G	-46.08	2
2437MHz	Pass	2.43749G	14.21	-15.79	959.09M	-53.91	2.3965G	-38.45	2.4G	-44.02	2.4855G	-41.17	24.823G	-45.47	1
2437MHz	Pass	2.43749G	14.21	-15.79	2.14331G	-54.15	2.39952G	-41.29	2.4G	-43.27	2.486G	-45.44	17.0377G	-45.99	2
2462MHz	Pass	2.43749G	14.21	-15.79	883.65M	-53.96	2.39372G	-51.31	2.4835G	-46.98	2.48598G	-46.09	17.69795G	-45.69	1
2462MHz	Pass	2.43749G	14.21	-15.79	2.14215G	-53.33	2.39178G	-51.78	2.4835G	-46.66	2.48598G	-45.24	23.44912G	-45.52	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44196G	9.41	-20.59	2.02273G	-53.15	2.39992G	-33.42	2.4G	-35.42	2.48912G	-52.45	24.88762G	-46.47	1
2412MHz	Pass	2.44196G	9.41	-20.59	1.88352G	-53.63	2.39982G	-31.96	2.4G	-37.74	2.4842G	-52.24	15.23677G	-45.22	2
2437MHz	Pass	2.44196G	9.41	-20.59	2.09438G	-53.79	2.39946G	-34.72	2.4835G	-39.27	2.485G	-39.10	15.06539G	-45.06	1
2437MHz	Pass	2.44196G	9.41	-20.59	872M	-53.79	2.39854G	-34.35	2.4G	-37.07	2.48604G	-38.17	23.47722G	-44.79	2
2462MHz	Pass	2.44196G	9.41	-20.59	948.89M	-53.84	2.39974G	-51.87	2.4835G	-40.30	2.48412G	-40.18	17.69795G	-44.76	1
2462MHz	Pass	2.44196G	9.41	-20.59	2.1803G	-54.24	2.39892G	-52.46	2.4835G	-40.78	2.48354G	-39.92	15.01201G	-45.63	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.442G	9.44	-20.56	919.77M	-53.82	2.39994G	-29.62	2.4G	-31.33	2.49562G	-52.74	15.05415G	-45.48	1
2412MHz	Pass	2.442G	9.44	-20.56	743.56M	-53.87	2.39968G	-30.02	2.4G	-31.48	2.4963G	-52.39	15.27329G	-45.20	2
2437MHz	Pass	2.442G	9.44	-20.56	909.87M	-53.76	2.39974G	-34.83	2.4G	-35.96	2.48382G	-35.68	15.00639G	-43.45	1
2437MHz	Pass	2.442G	9.44	-20.56	899.96M	-54.54	2.39798G	-35.52	2.4G	-35.66	2.487G	-38.58	15.04291G	-45.36	2
2462MHz	Pass	2.442G	9.44	-20.56	940.45M	-53.00	2.39734G	-53.64	2.4835G	-50.34	2.4839G	-39.22	24.89605G	-44.94	1
2462MHz	Pass	2.442G	9.44	-20.56	734.83M	-52.84	2.39566G	-53.20	2.4835G	-39.91	2.4839G	-39.16	24.9129G	-45.72	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43198G	2.08	-27.92	1.97994G	-52.89	2.39988G	-36.91	2.4G	-39.31	2.48586G	-51.16	24.94391G	-45.43	1
2422MHz	Pass	2.43198G	2.08	-27.92	2.15312G	-52.97	2.39712G	-37.10	2.4G	-40.31	2.49006G	-50.47	24.82612G	-45.64	2
2437MHz	Pass	2.43198G	2.08	-27.92	820.05M	-53.80	2.39956G	-35.13	2.4G	-40.00	2.48658G	-41.15	15.06344G	-44.89	1
2437MHz	Pass	2.43198G	2.08	-27.92	2.07211G	-52.25	2.39956G	-34.17	2.4G	-36.10	2.48422G	-42.36	17.69131G	-45.92	2
2452MHz	Pass	2.43198G	2.08	-27.92	951.73M	-53.63	2.399G	-49.21	2.4835G	-43.38	2.48418G	-40.81	17.69692G	-44.91	1
2452MHz	Pass	2.43198G	2.08	-27.92	944.28M	-53.70	2.39688G	-50.38	2.4835G	-45.30	2.48446G	-38.49	21.61209G	-45.46	2

For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode

802.11b_Nss1,(1Mbps)_2TX **CSE NdB**

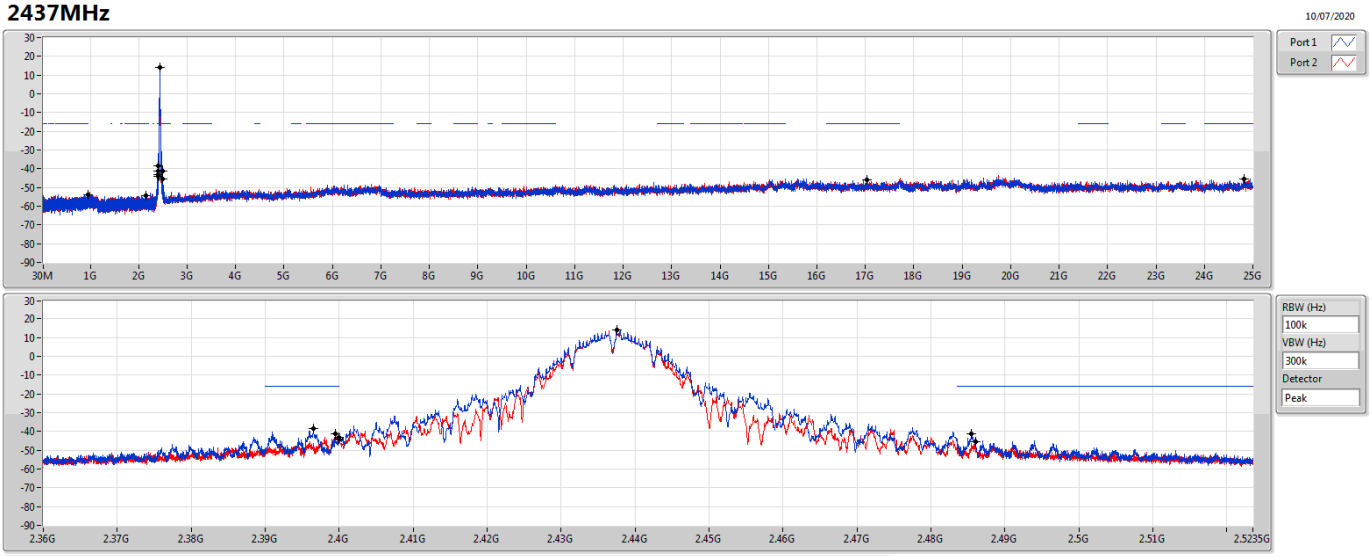
2412MHz



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
2.43749G	14.21	-15.79	929.96M	-54.12	2.39998G	-30.82	2.4G	-31.02	2.48968G	-51.44	15.32668G	-45.56	1
2.43749G	14.21	-15.79	214.94M	-54.08	2.4G	-28.14	2.4G	-30.19	2.48556G	-51.49	23.48284G	-46.08	2

802.11b_Nss1,(1Mbps)_2TX **CSE NdB**

2437MHz

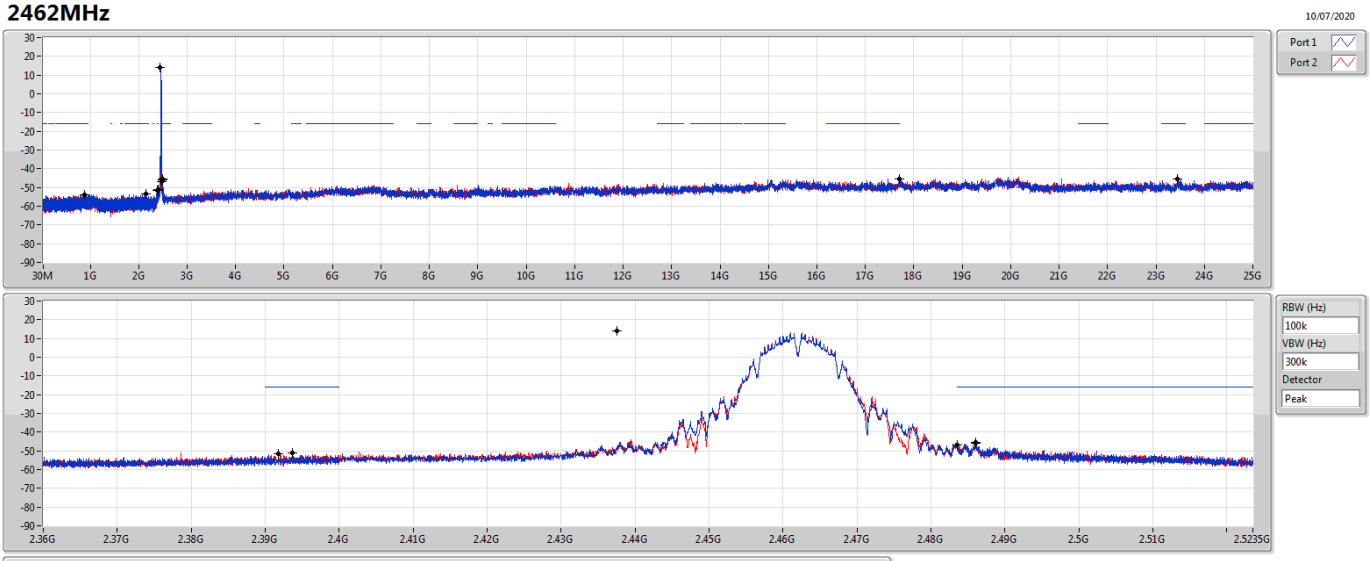


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43749G	14.21	-15.79	959.09M	-53.91	2.3965G	-38.45	2.4G	-44.02	2.4855G	-41.17	24.823G	-45.47	1
2.43749G	14.21	-15.79	2.14331G	-54.15	2.39952G	-41.29	2.4G	-43.27	2.486G	-45.44	17.0377G	-45.99	2

For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode

802.11b_Nss1,(1Mbps)_2TX **CSE NdB**

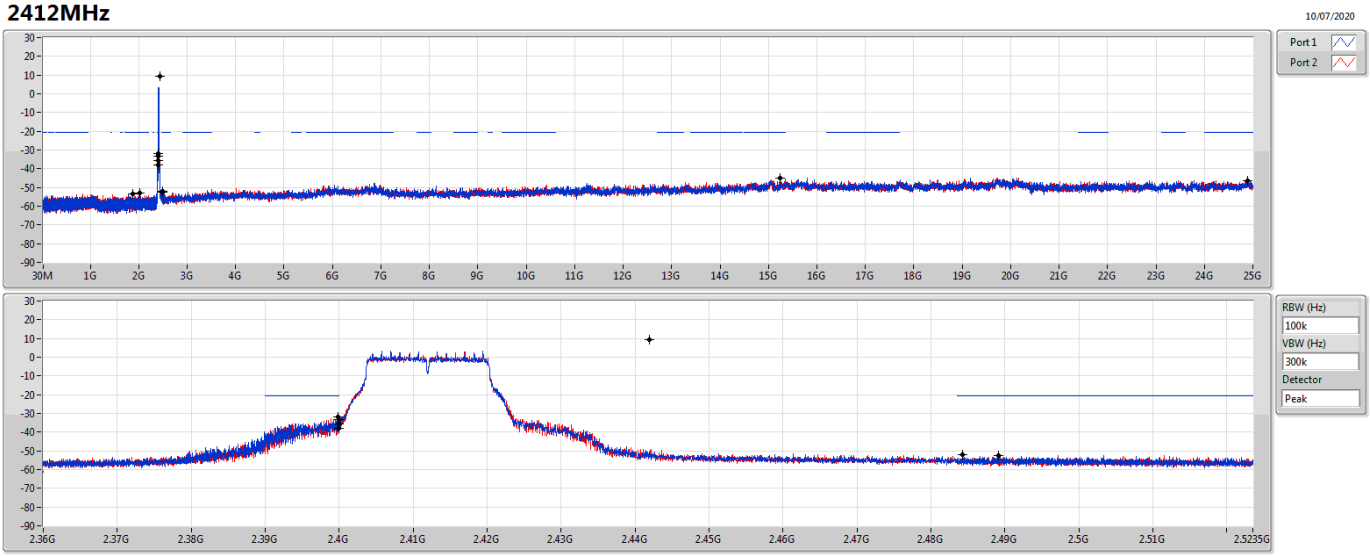
2462MHz



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
2.43749G	14.21	-15.79	883.65M	-53.96	2.39372G	-51.31	2.4835G	-46.98	2.48598G	-46.09	17.69795G	-45.69	1
2.43749G	14.21	-15.79	2.14215G	-53.33	2.39178G	-51.78	2.4835G	-46.66	2.48598G	-45.24	23.44912G	-45.52	2

802.11g_Nss1,(6Mbps)_2TX **CSE NdB**

2412MHz

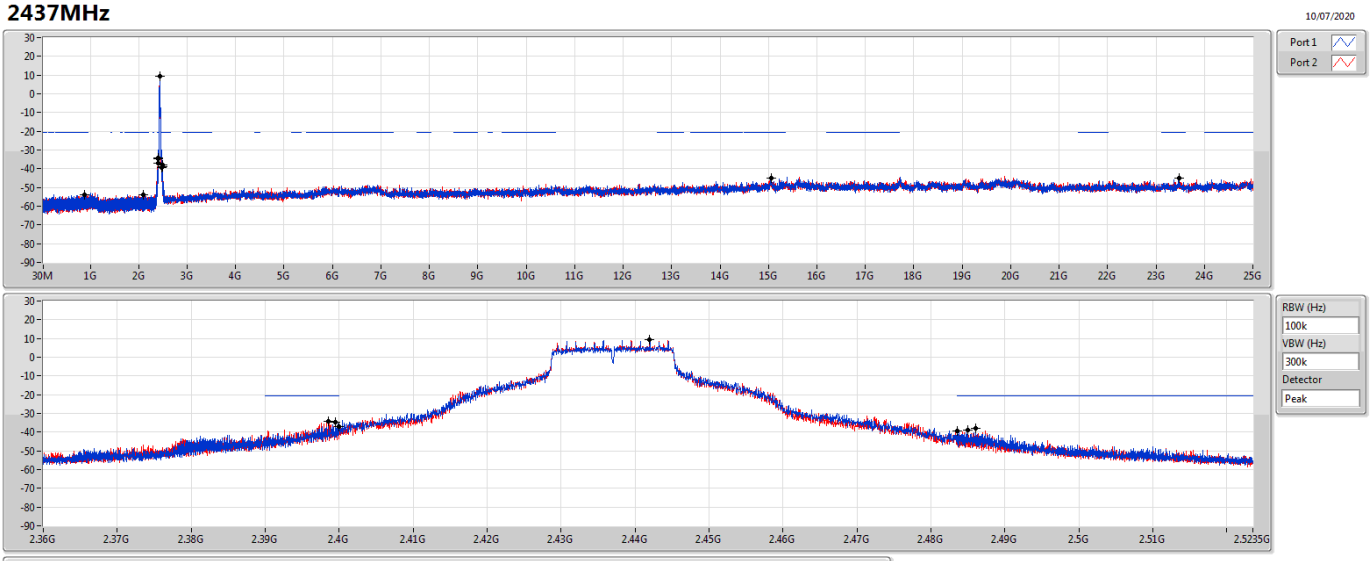


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44196G	9.41	-20.59	2.02273G	-53.15	2.39992G	-33.42	2.4G	-35.42	2.48912G	-52.45	24.88762G	-46.47	1
2.44196G	9.41	-20.59	1.88352G	-53.63	2.39982G	-31.96	2.4G	-37.74	2.4842G	-52.24	15.23677G	-45.22	2

For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode

802.11g_Nss1,(6Mbps)_2TX **CSE NdB**

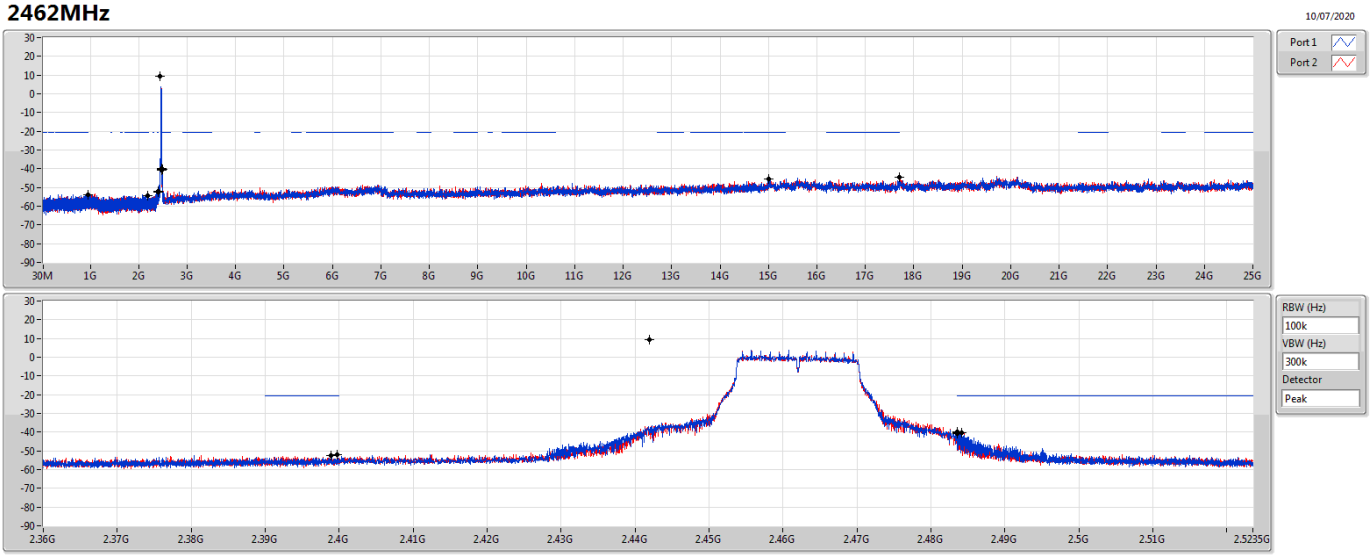
2437MHz



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
2.44196G	9.41	-20.59	2.09438G	-53.79	2.39946G	-34.72	2.4835G	-39.27	2.485G	-39.10	15.06539G	-45.06	1
2.44196G	9.41	-20.59	872M	-53.79	2.39854G	-34.35	2.4G	-37.07	2.48604G	-38.17	23.47722G	-44.79	2

802.11g_Nss1,(6Mbps)_2TX **CSE NdB**

2462MHz

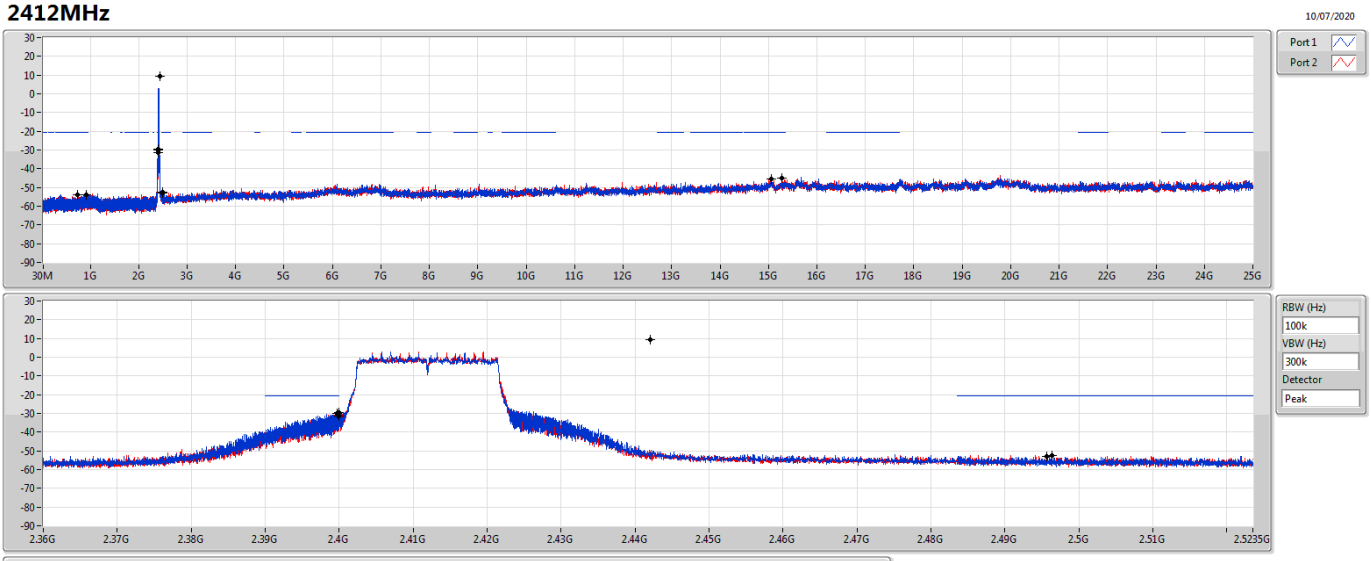


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44196G	9.41	-20.59	948.89M	-53.84	2.39974G	-51.87	2.4835G	-40.30	2.48412G	-40.18	17.69795G	-44.76	1
2.44196G	9.41	-20.59	2.1803G	-54.24	2.39892G	-52.46	2.4835G	-40.78	2.48354G	-39.92	15.01201G	-45.63	2

For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_2TX **CSE NdB**

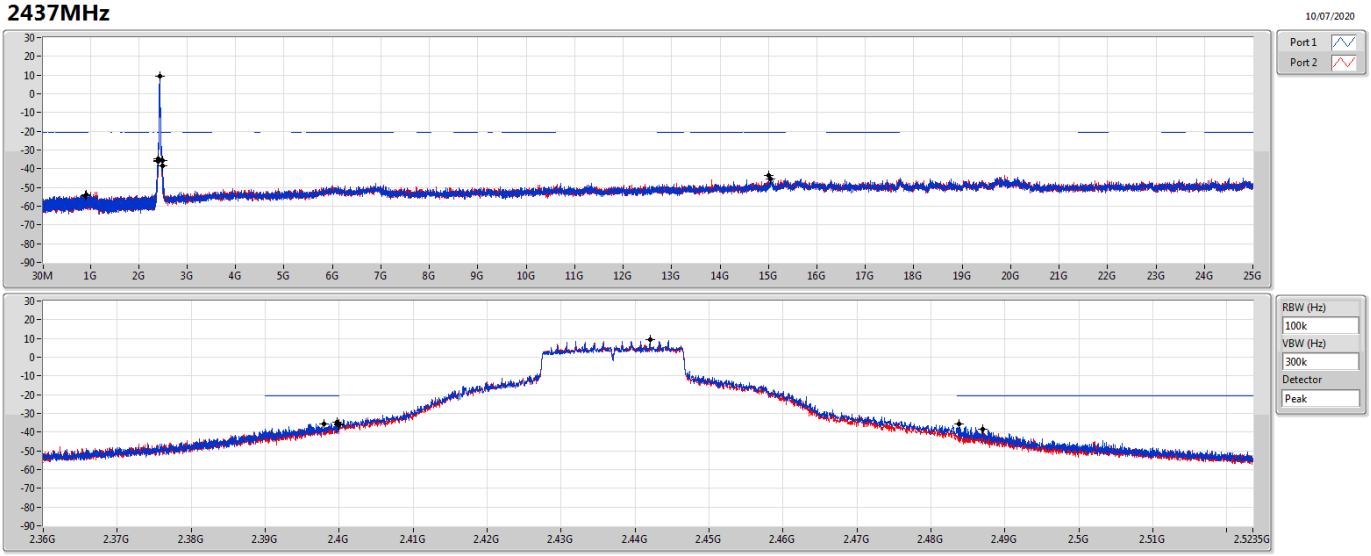
2412MHz



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
2.442G	9.44	-20.56	919.77M	-53.82	2.39994G	-29.62	2.4G	-31.33	2.49562G	-52.74	15.05415G	-45.48	1
2.442G	9.44	-20.56	743.56M	-53.87	2.39968G	-30.02	2.4G	-31.48	2.4963G	-52.39	15.27329G	-45.20	2

802.11ax HEW20_Nss1,(MCS0)_2TX **CSE NdB**

2437MHz

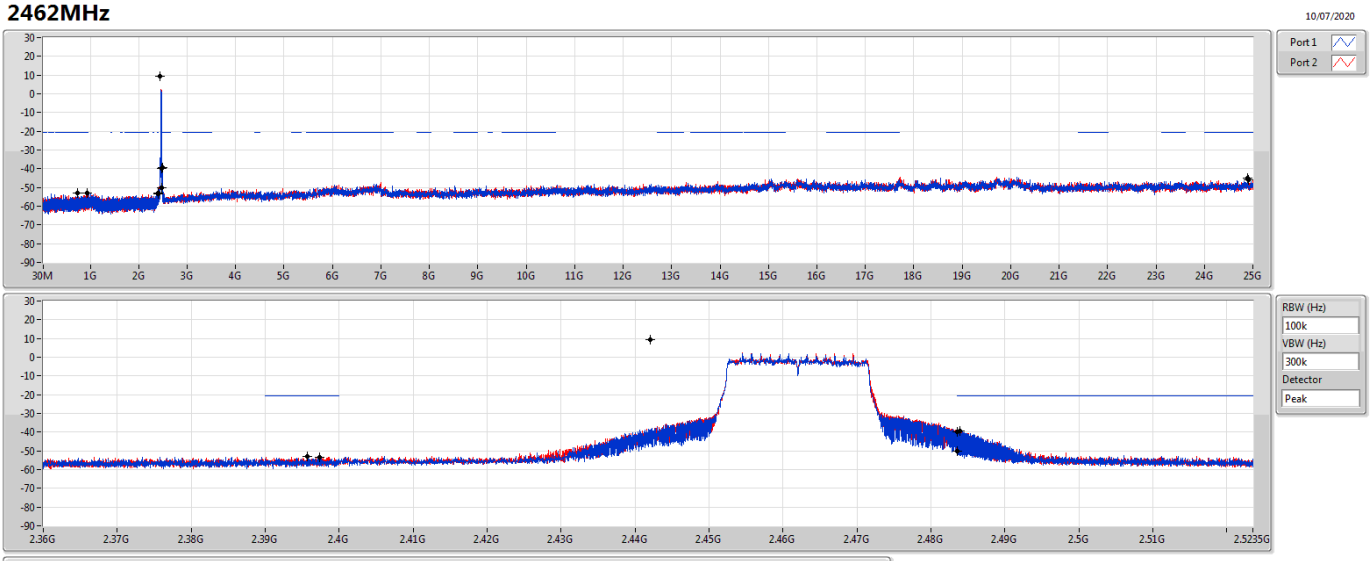


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	9.44	-20.56	909.87M	-53.76	2.39974G	-34.83	2.4G	-35.96	2.48382G	-35.68	15.00639G	-43.45	1
2.442G	9.44	-20.56	899.96M	-54.54	2.39798G	-35.52	2.4G	-35.66	2.487G	-38.58	15.04291G	-45.36	2

For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_2TX **CSE NdB**

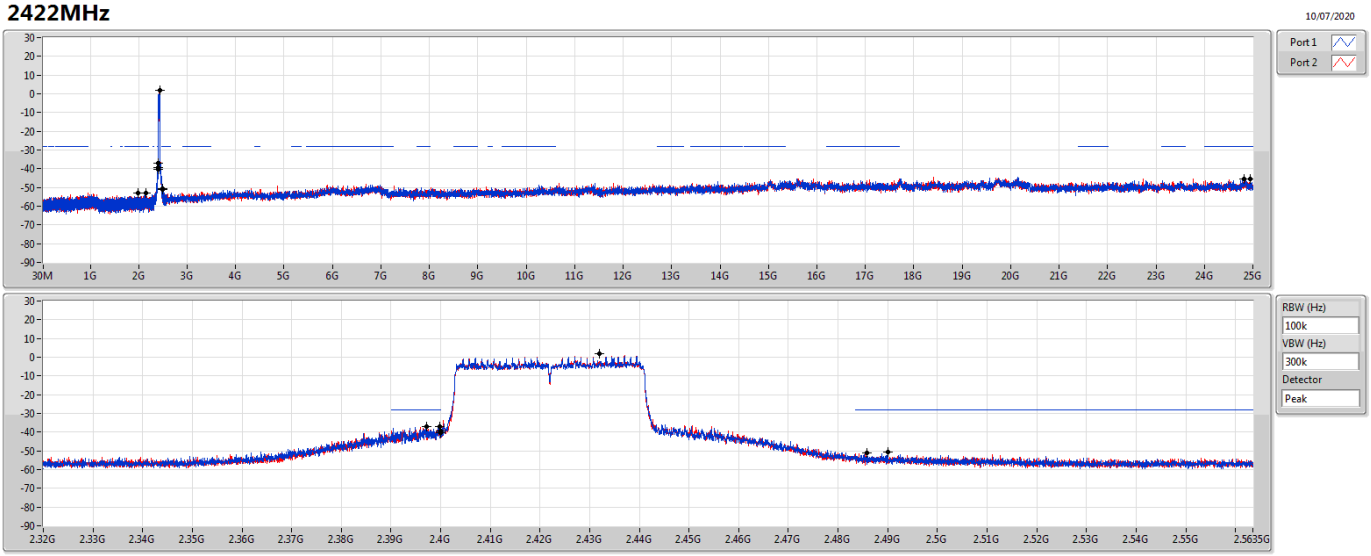
2462MHz



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
2.442G	9.44	-20.56	940.45M	-53.00	2.39734G	-53.64	2.4835G	-50.34	2.4839G	-39.22	24.89605G	-44.94	1
2.442G	9.44	-20.56	734.83M	-52.84	2.39566G	-53.20	2.4835G	-39.91	2.4839G	-39.16	24.9129G	-45.72	2

802.11ax HEW40_Nss1,(MCS0)_2TX **CSE NdB**

2422MHz

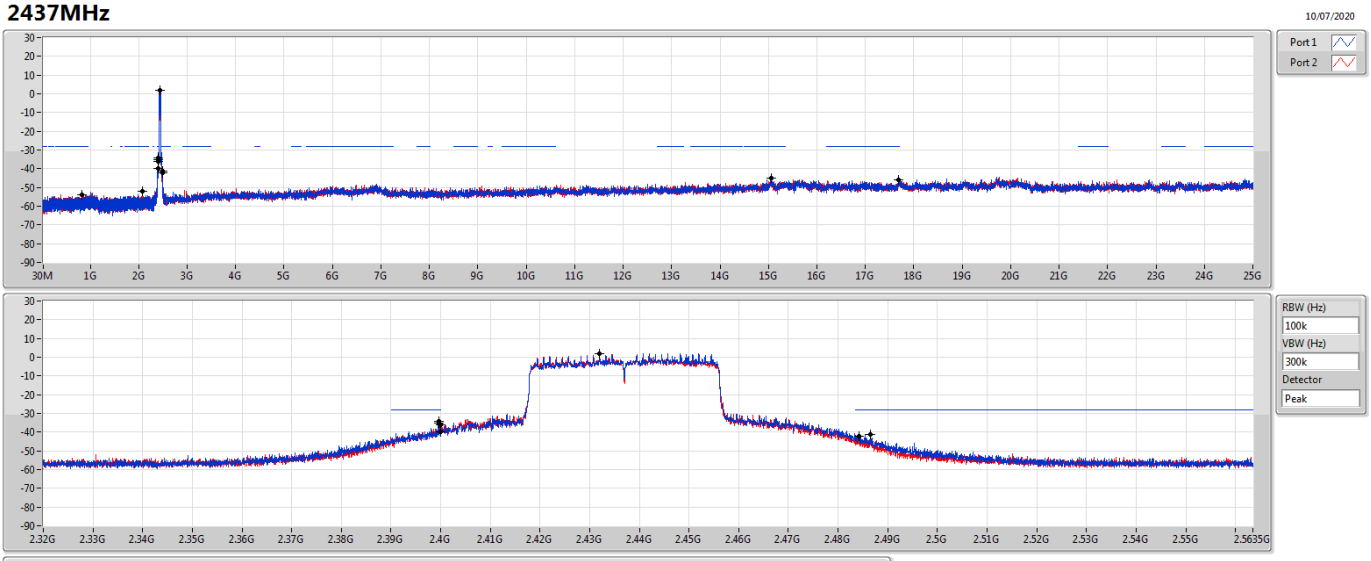


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	2.08	-27.92	1.97994G	-52.89	2.39988G	-36.91	2.4G	-39.31	2.48586G	-51.16	24.94391G	-45.43	1
2.43198G	2.08	-27.92	2.15312G	-52.97	2.39712G	-37.10	2.4G	-40.31	2.49006G	-50.47	24.82612G	-45.64	2

For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_2TX **CSE NdB**

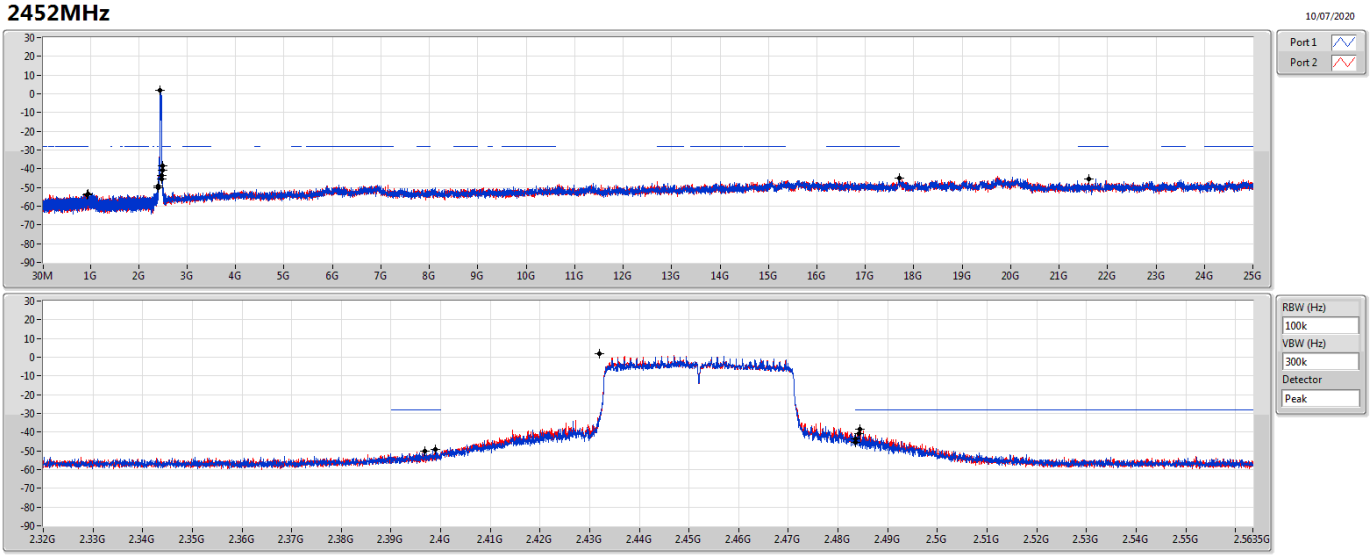
2437MHz



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
2.43198G	2.08	-27.92	820.05M	-53.80	2.39956G	-35.13	2.4G	-40.00	2.48658G	-41.15	15.06344G	-44.89	1
2.43198G	2.08	-27.92	2.07211G	-52.25	2.39956G	-34.17	2.4G	-36.10	2.48422G	-42.36	17.69131G	-45.92	2

802.11ax HEW40_Nss1,(MCS0)_2TX **CSE NdB**

2452MHz



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
2.43198G	2.08	-27.92	951.73M	-53.63	2.399G	-49.21	2.4835G	-43.38	2.48418G	-40.81	17.69692G	-44.91	1
2.43198G	2.08	-27.92	944.28M	-53.70	2.39688G	-50.38	2.4835G	-45.30	2.48446G	-38.49	21.61209G	-45.46	2

For EUT 2 / Radio 2 / External Ant.2_Non-Beamforming Mode
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	2.43749G	14.05	-15.95	2.1538G	-53.85	2.39998G	-31.77	2.4G	-31.01	2.49272G	-50.86	15.0682G	-45.24	2
802.11g_Nss1,(6Mbps)_4TX	Pass	2.44446G	6.97	-23.03	788.71M	-52.64	2.39888G	-40.41	2.4G	-43.03	2.49922G	-52.91	24.19927G	-45.57	4
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	2.44451G	5.85	-24.15	730.75M	-52.83	2.4G	-41.28	2.4G	-42.40	2.4941G	-52.23	15.0401G	-45.69	2
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	2.43198G	0.74	-29.26	958.88M	-53.35	2.39952G	-42.68	2.4G	-47.75	2.48658G	-48.39	15.04941G	-45.37	1

For EUT 2 / Radio 2 / External Ant.2_Non-Beamforming Mode
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	2.43749G	14.05	-15.95	1.72711G	-53.73	2.4G	-33.18	2.4G	-33.31	2.50502G	-50.56	16.20326G	-45.73	1
2412MHz	Pass	2.43749G	14.05	-15.95	2.1538G	-53.85	2.39998G	-31.77	2.4G	-31.01	2.49272G	-50.86	15.0682G	-45.24	2
2412MHz	Pass	2.43749G	14.05	-15.95	733.66M	-53.83	2.39998G	-32.15	2.4G	-33.41	2.48684G	-51.87	14.58776G	-45.27	3
2412MHz	Pass	2.43749G	14.05	-15.95	908.7M	-54.02	2.39998G	-31.93	2.4G	-32.45	2.48636G	-51.52	24.55047G	-45.59	4
2437MHz	Pass	2.43749G	14.05	-15.95	898.8M	-53.46	2.39448G	-49.52	2.4835G	-50.48	2.4909G	-49.66	17.69795G	-45.34	1
2437MHz	Pass	2.43749G	14.05	-15.95	956.47M	-51.49	2.39698G	-50.28	2.4835G	-50.85	2.48378G	-49.37	15.30701G	-45.77	2
2437MHz	Pass	2.43749G	14.05	-15.95	581.34M	-53.61	2.39974G	-50.83	2.4G	-53.89	2.48982G	-50.97	24.95786G	-45.62	3
2437MHz	Pass	2.43749G	14.05	-15.95	179.99M	-53.61	2.39864G	-50.44	2.4835G	-52.07	2.4846G	-49.28	17.49285G	-45.75	4
2462MHz	Pass	2.43749G	14.05	-15.95	869.09M	-53.83	2.3978G	-51.58	2.4835G	-50.67	2.48648G	-47.77	17.67266G	-45.33	1
2462MHz	Pass	2.43749G	14.05	-15.95	877.25M	-53.48	2.39878G	-53.17	2.4835G	-50.32	2.48582G	-50.11	17.69514G	-45.60	2
2462MHz	Pass	2.43749G	14.05	-15.95	2.15467G	-53.71	2.39764G	-51.81	2.4835G	-50.80	2.48648G	-49.30	24.99438G	-45.54	3
2462MHz	Pass	2.43749G	14.05	-15.95	857.44M	-54.08	2.39946G	-52.51	2.4835G	-53.21	2.48696G	-48.41	16.2735G	-44.98	4
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44446G	6.97	-23.03	218.73M	-53.75	2.39926G	-43.27	2.4G	-43.59	2.49576G	-52.89	24.81176G	-45.58	1
2412MHz	Pass	2.44446G	6.97	-23.03	953.26M	-53.18	2.39924G	-42.02	2.4G	-40.75	2.50158G	-52.60	23.43507G	-45.63	2
2412MHz	Pass	2.44446G	6.97	-23.03	786.38M	-54.28	2.39888G	-40.61	2.4G	-43.10	2.49168G	-52.20	16.23978G	-45.26	3
2412MHz	Pass	2.44446G	6.97	-23.03	788.71M	-52.64	2.39888G	-40.41	2.4G	-43.03	2.49922G	-52.91	24.19927G	-45.57	4
2437MHz	Pass	2.44446G	6.97	-23.03	1.98079G	-53.00	2.3947G	-45.24	2.4G	-46.76	2.48386G	-49.75	24.82019G	-45.29	1
2437MHz	Pass	2.44446G	6.97	-23.03	2.09758G	-53.24	2.39494G	-45.31	2.4G	-48.23	2.48504G	-48.28	24.16275G	-45.64	2
2437MHz	Pass	2.44446G	6.97	-23.03	919.77M	-53.62	2.39734G	-46.54	2.4G	-49.35	2.48694G	-50.04	17.68952G	-44.55	3
2437MHz	Pass	2.44446G	6.97	-23.03	2.06176G	-53.64	2.39978G	-44.00	2.4G	-47.62	2.48364G	-47.47	17.69233G	-46.26	4
2462MHz	Pass	2.44446G	6.97	-23.03	1.64848G	-54.22	2.3996G	-52.76	2.4835G	-48.25	2.48368G	-47.62	16.36621G	-45.88	1
2462MHz	Pass	2.44446G	6.97	-23.03	2.04807G	-53.56	2.39652G	-53.60	2.4835G	-48.40	2.48386G	-46.27	15.05415G	-45.84	2
2462MHz	Pass	2.44446G	6.97	-23.03	751.14M	-52.71	2.39744G	-52.72	2.4835G	-49.13	2.48352G	-46.54	15.27891G	-44.78	3
2462MHz	Pass	2.44446G	6.97	-23.03	1.79527G	-53.82	2.39368G	-53.81	2.4835G	-47.84	2.4839G	-46.90	15.25363G	-46.00	4
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44451G	5.85	-24.15	761.04M	-53.82	2.4G	-45.46	2.4G	-46.77	2.50506G	-52.33	24.86233G	-45.50	1
2412MHz	Pass	2.44451G	5.85	-24.15	730.75M	-52.83	2.4G	-41.28	2.4G	-42.40	2.4941G	-52.23	15.0401G	-45.69	2
2412MHz	Pass	2.44451G	5.85	-24.15	2.00963G	-53.33	2.39998G	-46.10	2.4G	-45.13	2.48412G	-52.10	15.01762G	-45.84	3
2412MHz	Pass	2.44451G	5.85	-24.15	949.19M	-53.82	2.39988G	-45.24	2.4G	-48.10	2.48406G	-52.69	15.06539G	-45.84	4
2437MHz	Pass	2.44451G	5.85	-24.15	645.7M	-53.85	2.39906G	-45.88	2.4G	-49.14	2.48516G	-50.94	23.42665G	-45.79	1
2437MHz	Pass	2.44451G	5.85	-24.15	604.35M	-53.57	2.39976G	-47.58	2.4G	-48.00	2.4894G	-51.25	15.02043G	-46.02	2
2437MHz	Pass	2.44451G	5.85	-24.15	759.87M	-54.00	2.39942G	-49.07	2.4G	-51.84	2.49022G	-51.90	15.08786G	-45.14	3
2437MHz	Pass	2.44451G	5.85	-24.15	1.7743G	-53.97	2.396G	-45.81	2.4G	-52.12	2.48356G	-49.97	17.61928G	-45.85	4
2462MHz	Pass	2.44451G	5.85	-24.15	950.35M	-54.34	2.39904G	-54.25	2.4835G	-52.45	2.4868G	-51.16	24.49428G	-44.75	1
2462MHz	Pass	2.44451G	5.85	-24.15	948.89M	-53.82	2.39362G	-53.06	2.4835G	-53.33	2.49202G	-51.42	23.47722G	-45.13	2
2462MHz	Pass	2.44451G	5.85	-24.15	881.03M	-52.20	2.39616G	-53.66	2.4835G	-53.64	2.48566G	-51.42	24.91571G	-46.07	3
2462MHz	Pass	2.44451G	5.85	-24.15	943.07M	-53.87	2.39984G	-53.25	2.4835G	-54.43	2.48938G	-52.47	24.13465G	-45.43	4
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43198G	0.74	-29.26	90.69M	-53.21	2.39948G	-44.64	2.4G	-49.70	2.48726G	-51.98	15.31585G	-45.80	1
2422MHz	Pass	2.43198G	0.74	-29.26	1.95217G	-53.42	2.397G	-44.08	2.4G	-48.75	2.49146G	-52.88	17.59876G	-45.71	2
2422MHz	Pass	2.43198G	0.74	-29.26	875.01M	-53.80	2.39952G	-47.39	2.4G	-49.43	2.49386G	-52.70	15.33828G	-45.10	3
2422MHz	Pass	2.43198G	0.74	-29.26	948.29M	-52.88	2.39796G	-47.59	2.4G	-51.16	2.48734G	-52.46	15.07185G	-45.77	4
2437MHz	Pass	2.43198G	0.74	-29.26	958.88M	-53.35	2.39952G	-42.68	2.4G	-47.75	2.48658G	-48.39	15.04941G	-45.37	1
2437MHz	Pass	2.43198G	0.74	-29.26	943.14M	-52.71	2.39956G	-44.26	2.4G	-47.30	2.4869G	-48.41	17.6829G	-45.52	2
2437MHz	Pass	2.43198G	0.74	-29.26	725.87M	-54.26	2.39964G	-44.21	2.4G	-47.97	2.48954G	-49.42	24.139G	-44.54	3

For EUT 2 / Radio 2 / External Ant.2_Non-Beamforming Mode

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
2437MHz	Pass	2.43198G	0.74	-29.26	914.23M	-53.74	2.39928G	-43.28	2.4G	-45.10	2.48358G	-46.67	17.68851G	-44.86	4
2452MHz	Pass	2.43198G	0.74	-29.26	1.80733G	-53.38	2.39504G	-52.20	2.4835G	-52.86	2.4845G	-48.24	17.69972G	-45.44	1
2452MHz	Pass	2.43198G	0.74	-29.26	1.99826G	-54.03	2.39812G	-52.61	2.4835G	-52.99	2.48946G	-46.20	15.02137G	-45.70	2
2452MHz	Pass	2.43198G	0.74	-29.26	951.73M	-53.52	2.3932G	-53.02	2.4835G	-52.64	2.48506G	-50.48	24.82612G	-46.25	3
2452MHz	Pass	2.43198G	0.74	-29.26	1.95331G	-53.54	2.39128G	-52.87	2.4835G	-51.38	2.4845G	-47.10	15.08026G	-46.30	4

For EUT 2 / Radio 2 / External Ant.2_Non-Beamforming Mode

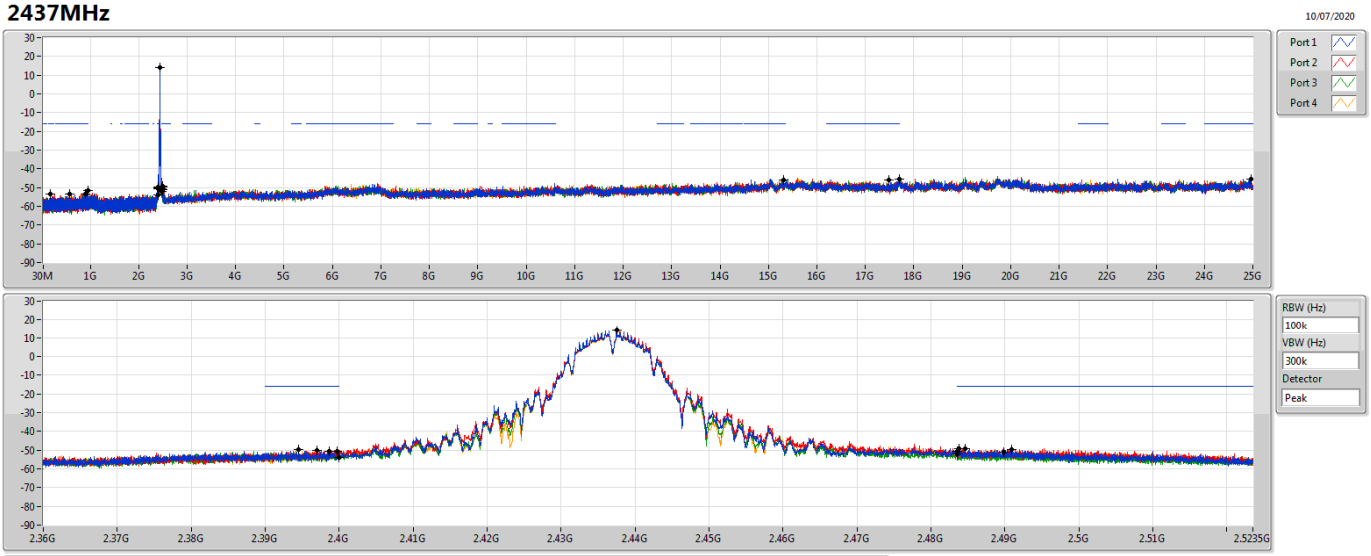
802.11b_Nss1,(1Mbps)_4TX **CSE NdB**

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
2.43749G	14.05	-15.95	1.72711G	-53.73	2.4G	-33.18	2.4G	-33.31	2.50502G	-50.56	16.20326G	-45.73	1
2.43749G	14.05	-15.95	2.1538G	-53.85	2.39998G	-31.77	2.4G	-31.01	2.49272G	-50.86	15.0682G	-45.24	2
2.43749G	14.05	-15.95	733.66M	-53.83	2.39998G	-32.15	2.4G	-33.41	2.48684G	-51.87	14.58776G	-45.27	3
2.43749G	14.05	-15.95	908.7M	-54.02	2.39998G	-31.93	2.4G	-32.45	2.48636G	-51.52	24.55047G	-45.59	4

802.11b_Nss1,(1Mbps)_4TX **CSE NdB**

2437MHz

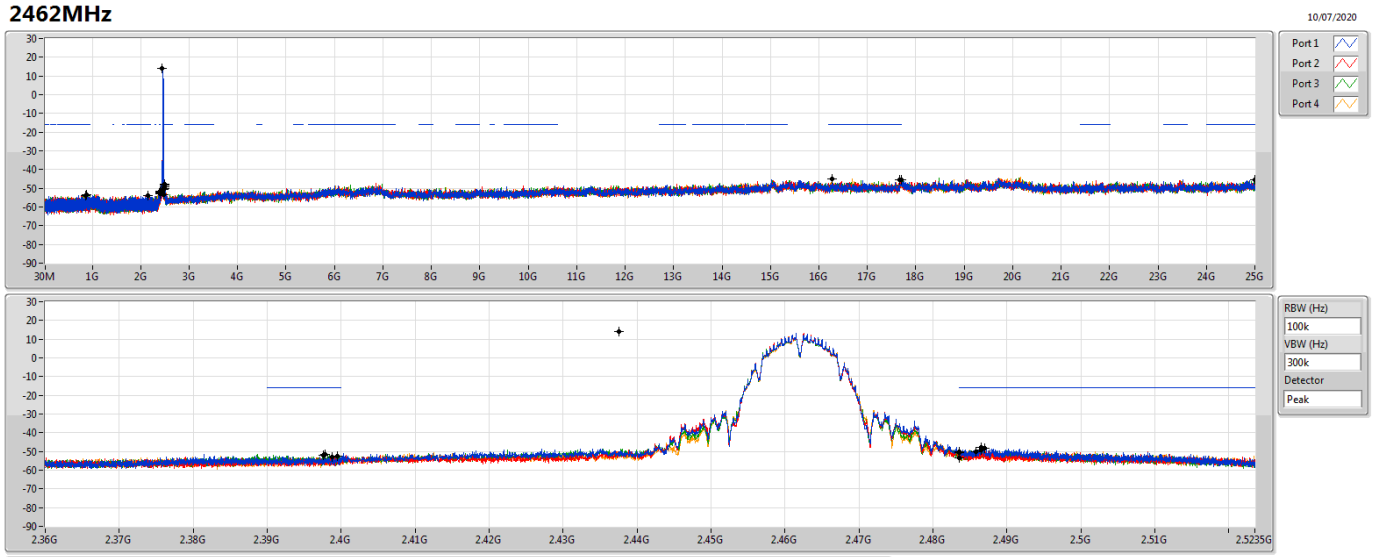


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43749G	14.05	-15.95	898.8M	-53.46	2.39448G	-49.52	2.4835G	-50.48	2.4909G	-49.66	17.69795G	-45.34	1
2.43749G	14.05	-15.95	956.47M	-51.49	2.39698G	-50.28	2.4835G	-50.85	2.48378G	-49.37	15.30701G	-45.77	2
2.43749G	14.05	-15.95	581.34M	-53.61	2.39974G	-50.83	2.4G	-53.89	2.48982G	-50.97	24.95786G	-45.62	3
2.43749G	14.05	-15.95	179.99M	-53.61	2.39864G	-50.44	2.4835G	-52.07	2.4846G	-49.28	17.49285G	-45.75	4

For EUT 2 / Radio 2 / External Ant.2_Non-Beamforming Mode

802.11b_Nss1,(1Mbps)_4TX **CSE NdB**

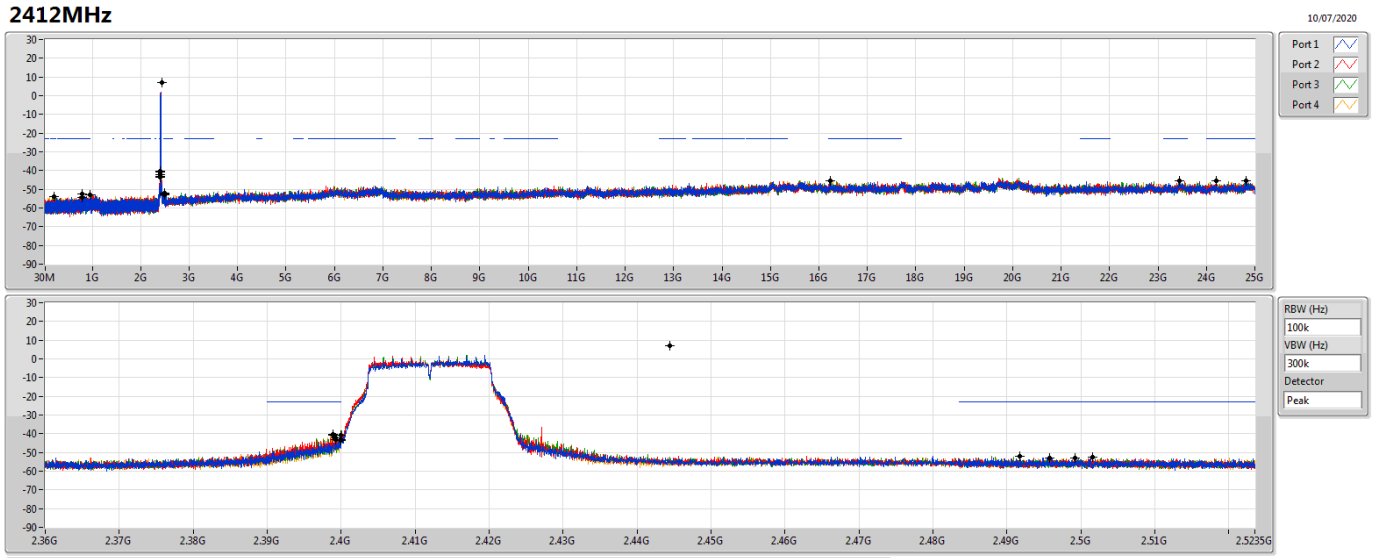
2462MHz



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
2.43749G	14.05	-15.95	869.09M	-53.83	2.3978G	-51.58	2.4835G	-50.67	2.48648G	-47.77	17.67266G	-45.33	1
2.43749G	14.05	-15.95	877.25M	-53.48	2.39878G	-53.17	2.4835G	-50.32	2.48582G	-50.11	17.69514G	-45.60	2
2.43749G	14.05	-15.95	2.15467G	-53.71	2.39764G	-51.81	2.4835G	-50.80	2.48648G	-49.30	24.99438G	-45.54	3
2.43749G	14.05	-15.95	857.44M	-54.08	2.39946G	-52.51	2.4835G	-53.21	2.48696G	-48.41	16.2735G	-44.98	4

802.11g_Nss1,(6Mbps)_4TX **CSE NdB**

2412MHz

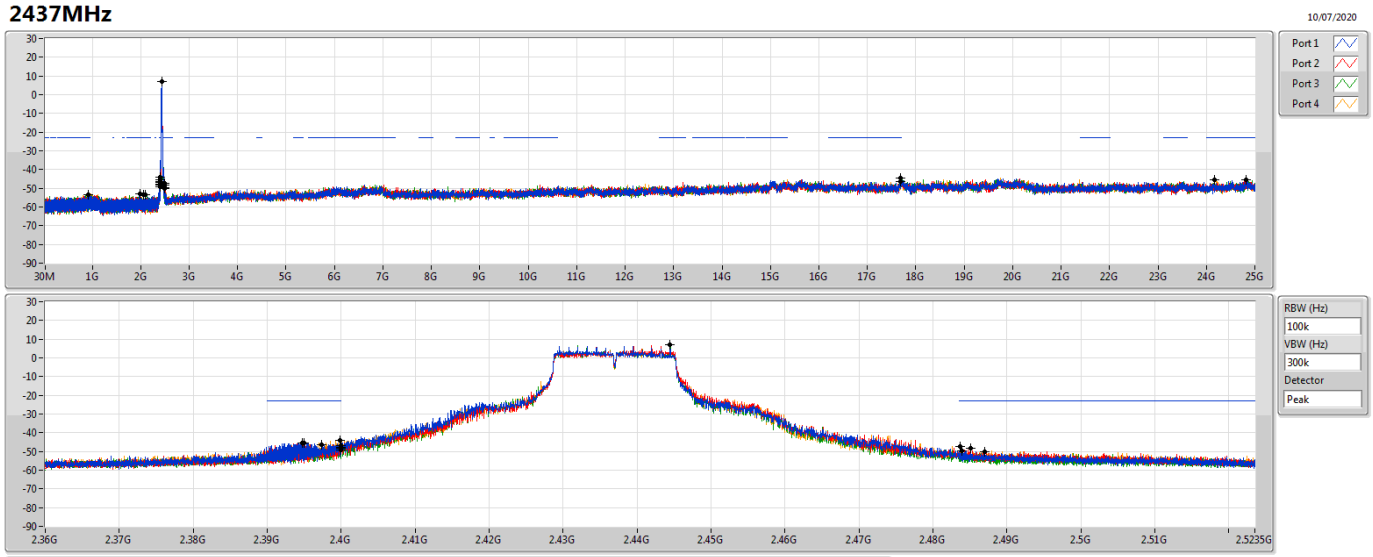


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44446G	6.97	-23.03	218.73M	-53.75	2.39926G	-43.27	2.4G	-43.59	2.49576G	-52.89	24.81176G	-45.58	1
2.44446G	6.97	-23.03	953.26M	-53.18	2.39924G	-42.02	2.4G	-40.75	2.50158G	-52.60	23.43507G	-45.63	2
2.44446G	6.97	-23.03	786.38M	-54.28	2.39888G	-40.61	2.4G	-43.10	2.49168G	-52.20	16.23978G	-45.26	3
2.44446G	6.97	-23.03	788.71M	-52.64	2.39888G	-40.41	2.4G	-43.03	2.49922G	-52.91	24.19927G	-45.57	4

For EUT 2 / Radio 2 / External Ant.2_Non-Beamforming Mode

802.11g_Nss1,(6Mbps)_4TX **CSE NdB**

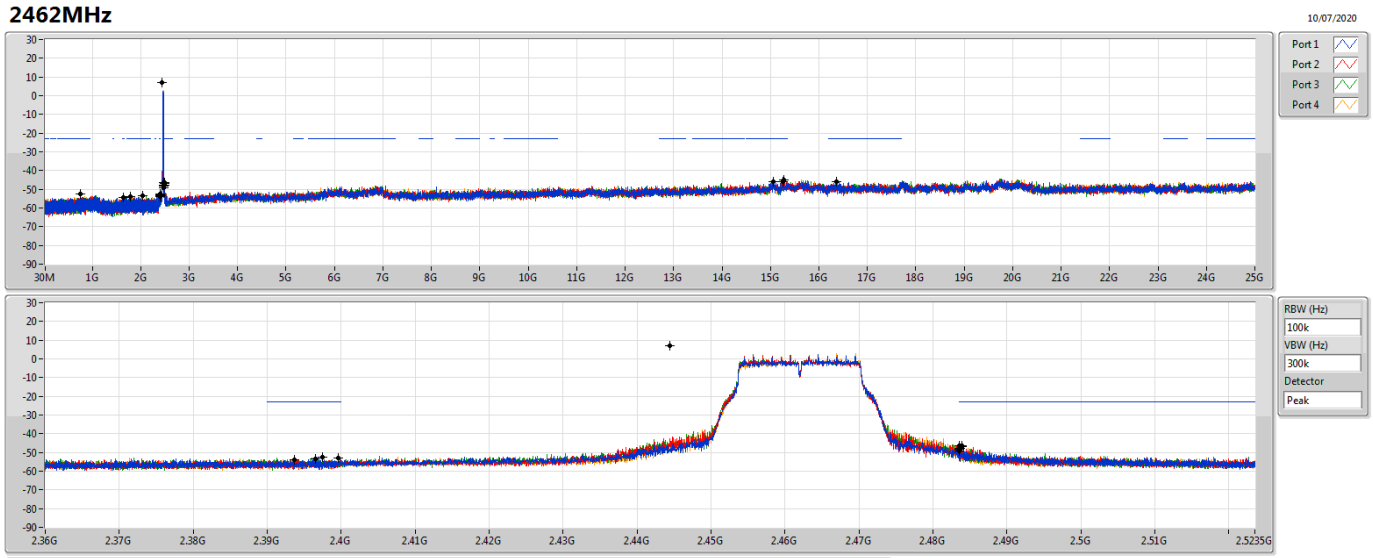
2437MHz



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
2.44446G	6.97	-23.03	1.98079G	-53.00	2.3947G	-45.24	2.4G	-46.76	2.48386G	-49.75	24.82019G	-45.29	1
2.44446G	6.97	-23.03	2.09758G	-53.24	2.39494G	-45.31	2.4G	-48.23	2.48504G	-48.28	24.16275G	-45.64	2
2.44446G	6.97	-23.03	919.77M	-53.62	2.39734G	-46.54	2.4G	-49.35	2.48694G	-50.04	17.68952G	-44.55	3
2.44446G	6.97	-23.03	2.06176G	-53.64	2.39978G	-44.00	2.4G	-47.62	2.48364G	-47.47	17.69233G	-46.26	4

802.11g_Nss1,(6Mbps)_4TX **CSE NdB**

2462MHz

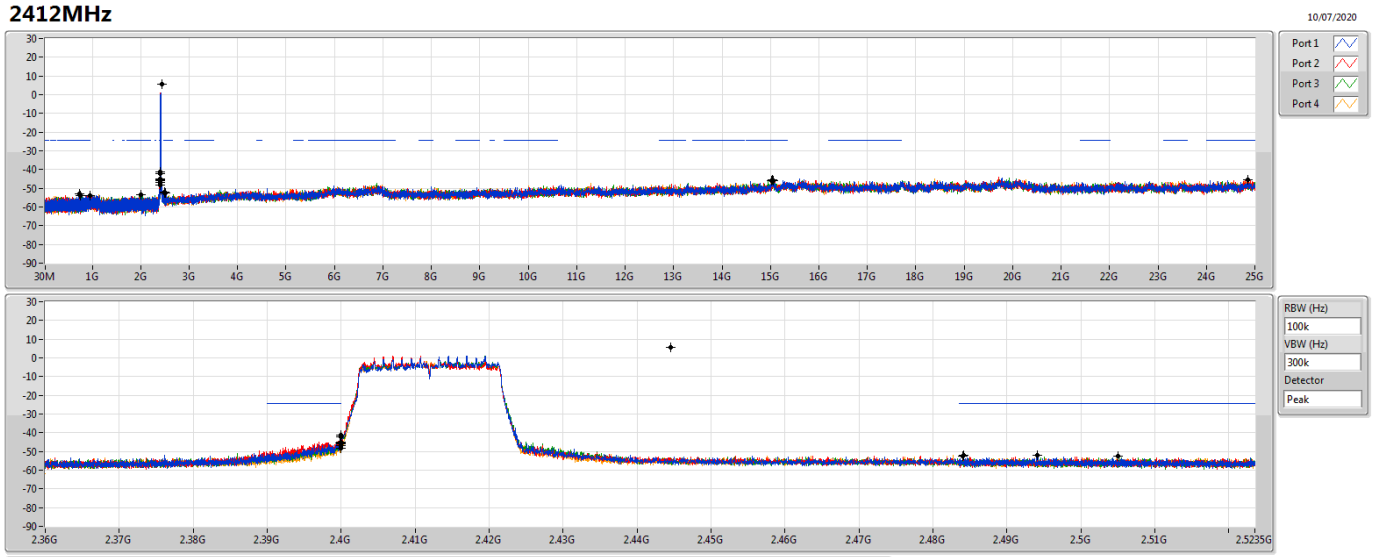


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44446G	6.97	-23.03	1.64848G	-54.22	2.3996G	-52.76	2.4835G	-48.25	2.48368G	-47.62	16.36621G	-45.88	1
2.44446G	6.97	-23.03	2.04807G	-53.56	2.39652G	-53.60	2.4835G	-48.40	2.48386G	-46.27	15.05415G	-45.84	2
2.44446G	6.97	-23.03	751.14M	-52.71	2.39744G	-52.72	2.4835G	-49.13	2.48352G	-46.54	15.27891G	-44.78	3
2.44446G	6.97	-23.03	1.79527G	-53.82	2.39368G	-53.81	2.4835G	-47.84	2.4839G	-46.90	15.25363G	-46.00	4

For EUT 2 / Radio 2 / External Ant.2_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_4TX **CSE NdB**

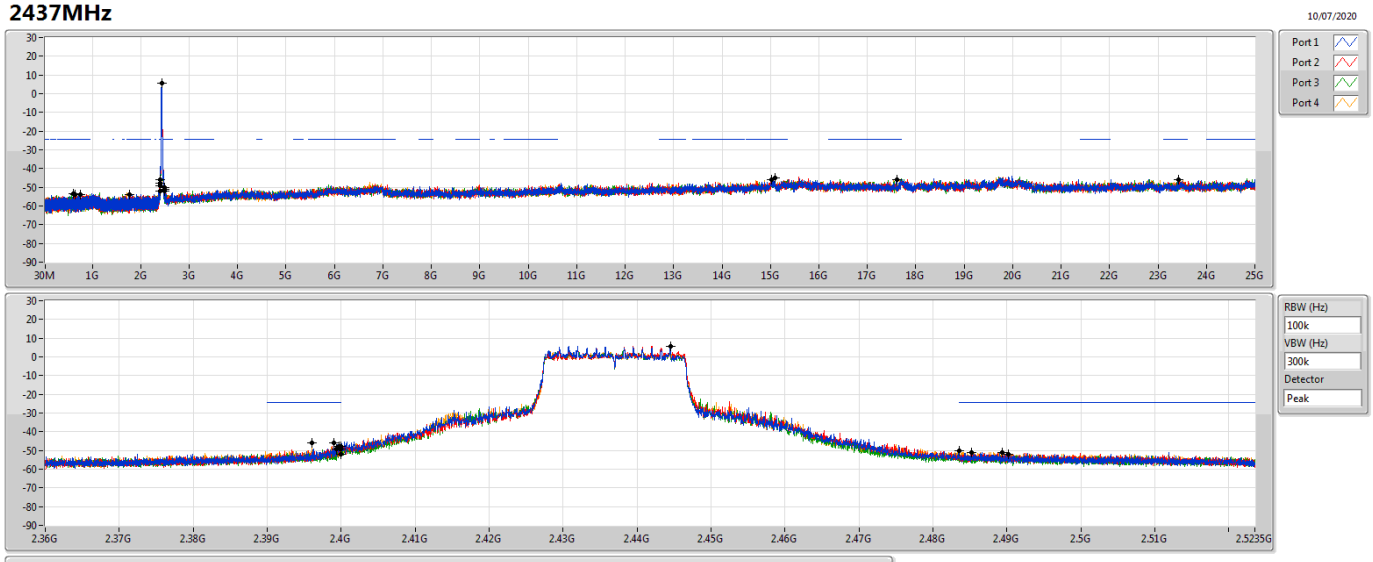
2412MHz



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
2.44451G	5.85	-24.15	761.04M	-53.82	2.4G	-45.46	2.4G	-46.77	2.50506G	-52.33	24.86233G	-45.50	1
2.44451G	5.85	-24.15	730.75M	-52.83	2.4G	-41.28	2.4G	-42.40	2.4941G	-52.23	15.0401G	-45.69	2
2.44451G	5.85	-24.15	2.00963G	-53.33	2.39998G	-46.10	2.4G	-45.13	2.48412G	-52.10	15.01762G	-45.84	3
2.44451G	5.85	-24.15	949.19M	-53.82	2.39988G	-45.24	2.4G	-48.10	2.48406G	-52.69	15.06539G	-45.84	4

802.11ax HEW20_Nss1,(MCS0)_4TX **CSE NdB**

2437MHz

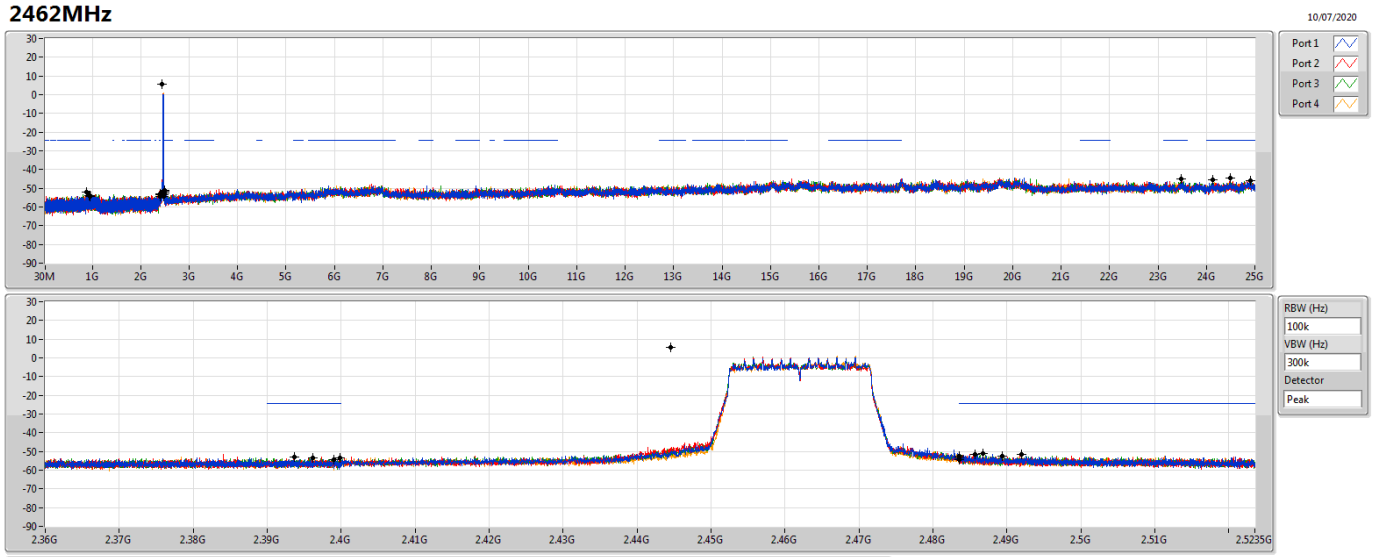


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44451G	5.85	-24.15	645.7M	-53.85	2.39906G	-45.88	2.4G	-49.14	2.48516G	-50.94	23.42665G	-45.79	1
2.44451G	5.85	-24.15	604.35M	-53.57	2.39976G	-47.58	2.4G	-48.00	2.4894G	-51.25	15.02043G	-46.02	2
2.44451G	5.85	-24.15	759.87M	-54.00	2.39942G	-49.07	2.4G	-51.84	2.49022G	-51.90	15.08786G	-45.14	3
2.44451G	5.85	-24.15	1.7743G	-53.97	2.396G	-45.81	2.4G	-52.12	2.48356G	-49.97	17.61928G	-45.85	4

For EUT 2 / Radio 2 / External Ant.2_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_4TX **CSE NdB**

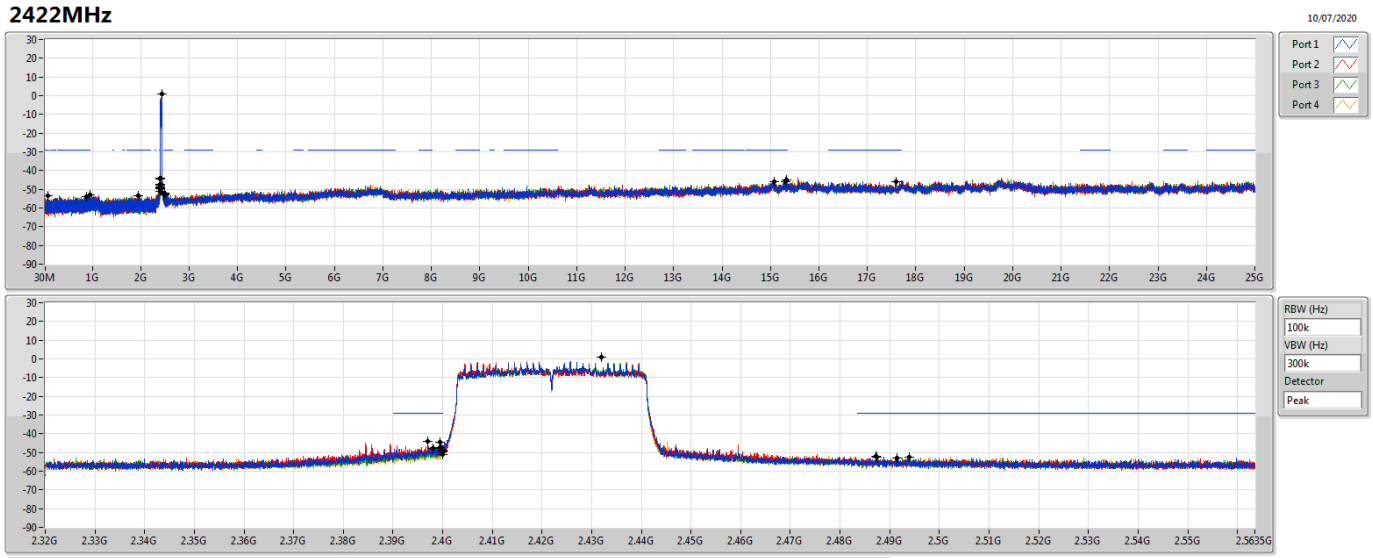
2462MHz



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
2.44451G	5.85	-24.15	950.35M	-54.34	2.39904G	-54.25	2.4835G	-52.45	2.4868G	-51.16	24.49428G	-44.75	1
2.44451G	5.85	-24.15	948.89M	-53.82	2.39362G	-53.06	2.4835G	-53.33	2.49202G	-51.42	23.47722G	-45.13	2
2.44451G	5.85	-24.15	881.03M	-52.20	2.39616G	-53.66	2.4835G	-53.64	2.48566G	-51.42	24.91571G	-46.07	3
2.44451G	5.85	-24.15	943.07M	-53.87	2.39984G	-53.25	2.4835G	-54.43	2.48938G	-52.47	24.13465G	-45.43	4

802.11ax HEW40_Nss1,(MCS0)_4TX **CSE NdB**

2422MHz



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
2.43198G	0.74	-29.26	90.69M	-53.21	2.39948G	-44.64	2.4G	-49.70	2.48726G	-51.98	15.31585G	-45.80	1
2.43198G	0.74	-29.26	1.95217G	-53.42	2.397G	-44.08	2.4G	-48.75	2.49146G	-52.88	17.59876G	-45.71	2
2.43198G	0.74	-29.26	875.01M	-53.80	2.39952G	-47.39	2.4G	-49.43	2.49386G	-52.70	15.33828G	-45.10	3
2.43198G	0.74	-29.26	948.29M	-52.88	2.39796G	-47.59	2.4G	-51.16	2.48734G	-52.46	15.07185G	-45.77	4

For EUT 2 / Radio 2 / External Ant.2_Non-Beamforming Mode

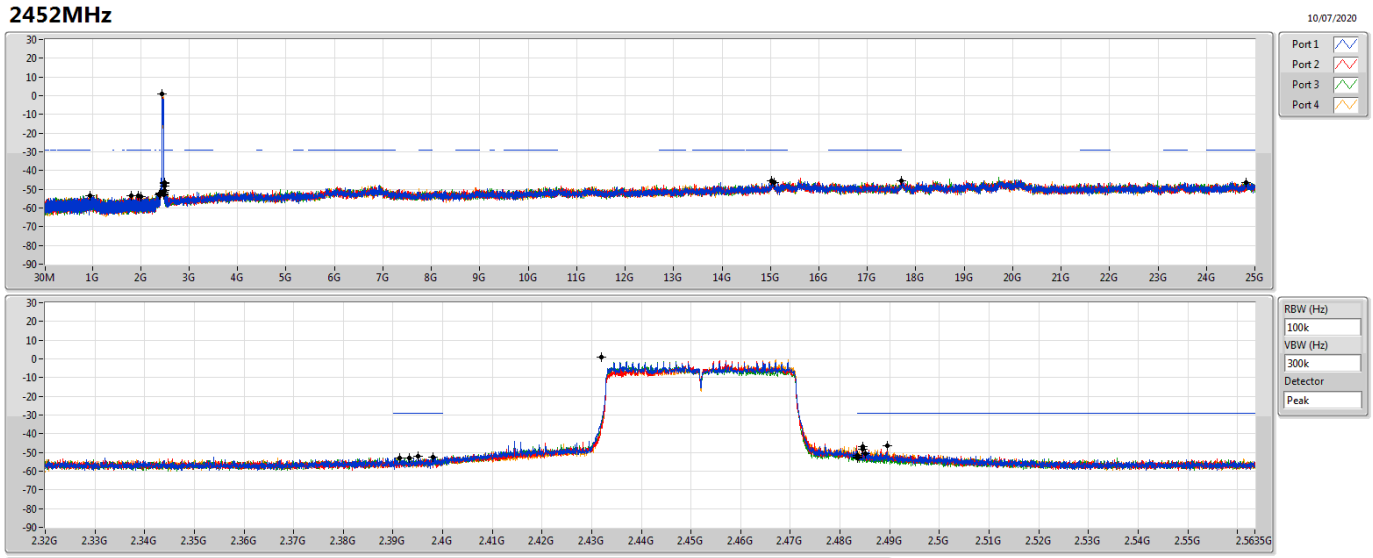
802.11ax HEW40_Nss1,(MCS0)_4TX **CSE NdB**

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
2.43198G	0.74	-29.26	958.88M	-53.35	2.39952G	-42.68	2.4G	-47.75	2.48658G	-48.39	15.04941G	-45.37	1
2.43198G	0.74	-29.26	943.14M	-52.71	2.39956G	-44.26	2.4G	-47.30	2.4869G	-48.41	17.6829G	-45.52	2
2.43198G	0.74	-29.26	725.87M	-54.26	2.39964G	-44.21	2.4G	-47.97	2.48954G	-49.42	24.139G	-44.54	3
2.43198G	0.74	-29.26	914.23M	-53.74	2.39928G	-43.28	2.4G	-45.10	2.48358G	-46.67	17.68851G	-44.86	4

802.11ax HEW40_Nss1,(MCS0)_4TX **CSE NdB**

2452MHz



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
2.43198G	0.74	-29.26	1.80733G	-53.38	2.39504G	-52.20	2.4835G	-52.86	2.4845G	-48.24	17.69972G	-45.44	1
2.43198G	0.74	-29.26	1.99826G	-54.03	2.39812G	-52.61	2.4835G	-52.99	2.48946G	-46.20	15.02137G	-45.70	2
2.43198G	0.74	-29.26	951.73M	-53.52	2.3932G	-53.02	2.4835G	-52.64	2.48506G	-50.48	24.82612G	-46.25	3
2.43198G	0.74	-29.26	1.95331G	-53.54	2.39128G	-52.87	2.4835G	-51.38	2.4845G	-47.10	15.08026G	-46.30	4

For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode
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	2.43599G	13.88	-16.12	869.97M	-54.09	2.39998G	-32.33	2.4G	-31.78	2.49182G	-50.84	24.9719G	-45.34	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.442G	8.56	-21.44	918.6M	-53.89	2.39976G	-36.62	2.4G	-38.55	2.48914G	-52.25	24.49428G	-45.64	2
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.44446G	6.96	-23.04	2.09409G	-53.95	2.39968G	-35.48	2.4G	-35.73	2.49306G	-52.04	23.4716G	-45.78	2
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.442G	0.41	-29.59	2.1305G	-53.64	2.39956G	-41.83	2.4G	-44.06	2.48598G	-48.89	17.05748G	-45.41	2

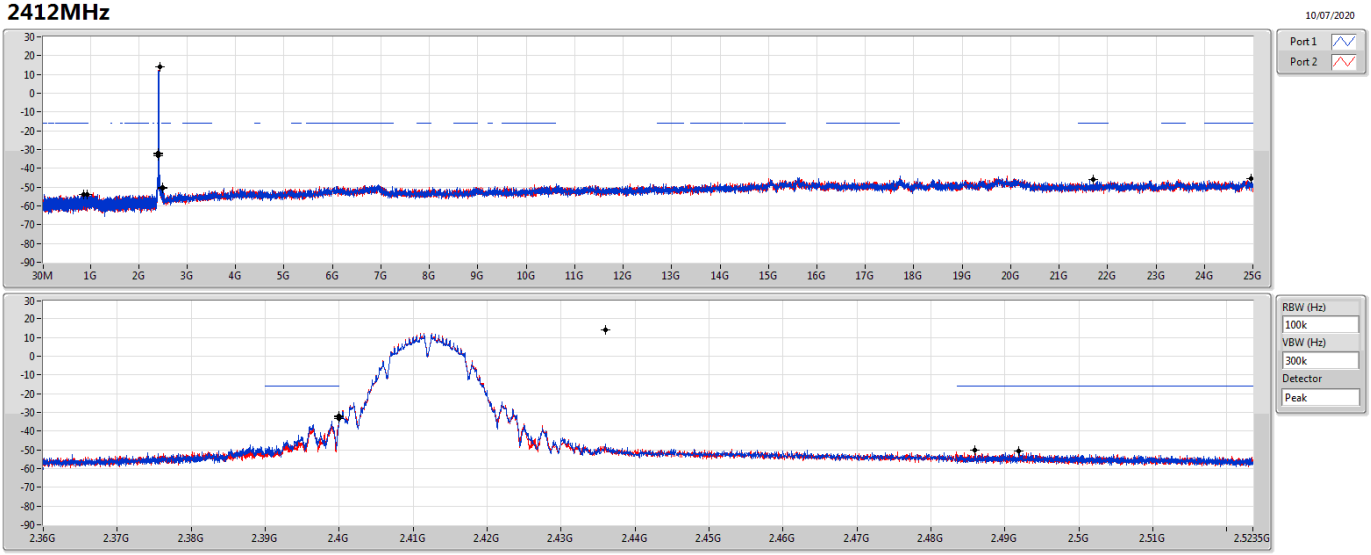
For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode
Result

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	2.43599G	13.88	-16.12	931.71M	-53.71	2.4G	-33.15	2.4G	-33.32	2.48588G	-50.13	21.69876G	-46.11	1
2412MHz	Pass	2.43599G	13.88	-16.12	869.97M	-54.09	2.39998G	-32.33	2.4G	-31.78	2.49182G	-50.84	24.9719G	-45.34	2
2437MHz	Pass	2.43599G	13.88	-16.12	2.1602G	-53.20	2.39952G	-40.42	2.4G	-48.56	2.48576G	-44.76	14.8041G	-45.77	1
2437MHz	Pass	2.43599G	13.88	-16.12	369.02M	-53.91	2.4G	-45.34	2.4G	-45.15	2.48542G	-48.05	23.47722G	-44.08	2
2462MHz	Pass	2.43599G	13.88	-16.12	2.30029G	-54.07	2.39778G	-52.06	2.4835G	-49.15	2.4875G	-48.87	15.29577G	-45.70	1
2462MHz	Pass	2.43599G	13.88	-16.12	2.30204G	-53.95	2.39538G	-51.94	2.4835G	-51.49	2.48594G	-47.99	15.09629G	-45.28	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.442G	8.56	-21.44	662.89M	-53.57	2.3997G	-39.47	2.4G	-39.49	2.48668G	-52.42	15.08224G	-45.19	1
2412MHz	Pass	2.442G	8.56	-21.44	918.6M	-53.89	2.39976G	-36.62	2.4G	-38.55	2.48914G	-52.25	24.49428G	-45.64	2
2437MHz	Pass	2.442G	8.56	-21.44	207.66M	-54.39	2.39954G	-37.37	2.4G	-42.72	2.48756G	-42.21	15.04572G	-45.42	1
2437MHz	Pass	2.442G	8.56	-21.44	1.7708G	-53.91	2.39886G	-37.18	2.4G	-42.69	2.4876G	-42.66	15.02886G	-46.04	2
2462MHz	Pass	2.442G	8.56	-21.44	812.01M	-53.88	2.39816G	-53.40	2.4835G	-53.39	2.48442G	-47.75	23.37888G	-44.89	1
2462MHz	Pass	2.442G	8.56	-21.44	849.58M	-54.00	2.39794G	-53.02	2.4835G	-47.72	2.48388G	-46.65	15.07382G	-45.74	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44446G	6.96	-23.04	1.76643G	-53.54	2.39988G	-35.59	2.4G	-37.00	2.51238G	-52.89	15.02886G	-44.82	1
2412MHz	Pass	2.44446G	6.96	-23.04	2.09409G	-53.95	2.39968G	-35.48	2.4G	-35.73	2.49306G	-52.04	23.4716G	-45.78	2
2437MHz	Pass	2.44446G	6.96	-23.04	817.25M	-54.10	2.39384G	-43.59	2.4G	-47.07	2.48406G	-46.37	16.64155G	-46.01	1
2437MHz	Pass	2.44446G	6.96	-23.04	724.34M	-53.84	2.39952G	-43.91	2.4G	-49.33	2.48542G	-47.09	15.06539G	-44.03	2
2462MHz	Pass	2.44446G	6.96	-23.04	759.29M	-53.75	2.392G	-53.43	2.4835G	-46.52	2.48374G	-45.72	24.93257G	-46.13	1
2462MHz	Pass	2.44446G	6.96	-23.04	782.59M	-53.30	2.3987G	-53.88	2.4835G	-51.04	2.48418G	-46.48	15.02605G	-45.74	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.442G	0.41	-29.59	1.81763G	-53.62	2.39964G	-43.59	2.4G	-46.38	2.48362G	-52.47	24.48677G	-44.92	1
2422MHz	Pass	2.442G	0.41	-29.59	2.1972G	-53.11	2.39964G	-45.12	2.4G	-47.48	2.49638G	-52.09	17.68851G	-45.56	2
2437MHz	Pass	2.442G	0.41	-29.59	2.11791G	-54.20	2.39472G	-42.93	2.4G	-48.01	2.48566G	-48.61	24.92708G	-45.59	1
2437MHz	Pass	2.442G	0.41	-29.59	2.1305G	-53.64	2.39956G	-41.83	2.4G	-44.06	2.48598G	-48.89	17.05748G	-45.41	2
2452MHz	Pass	2.442G	0.41	-29.59	856.12M	-54.14	2.39912G	-53.33	2.4835G	-50.37	2.48622G	-47.87	17.04626G	-45.74	1
2452MHz	Pass	2.442G	0.41	-29.59	2.0661G	-53.90	2.39392G	-52.66	2.4835G	-50.45	2.4845G	-45.94	15.00734G	-46.06	2

For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode

802.11b_Nss1,(1Mbps)_2TX **CSE NdB**

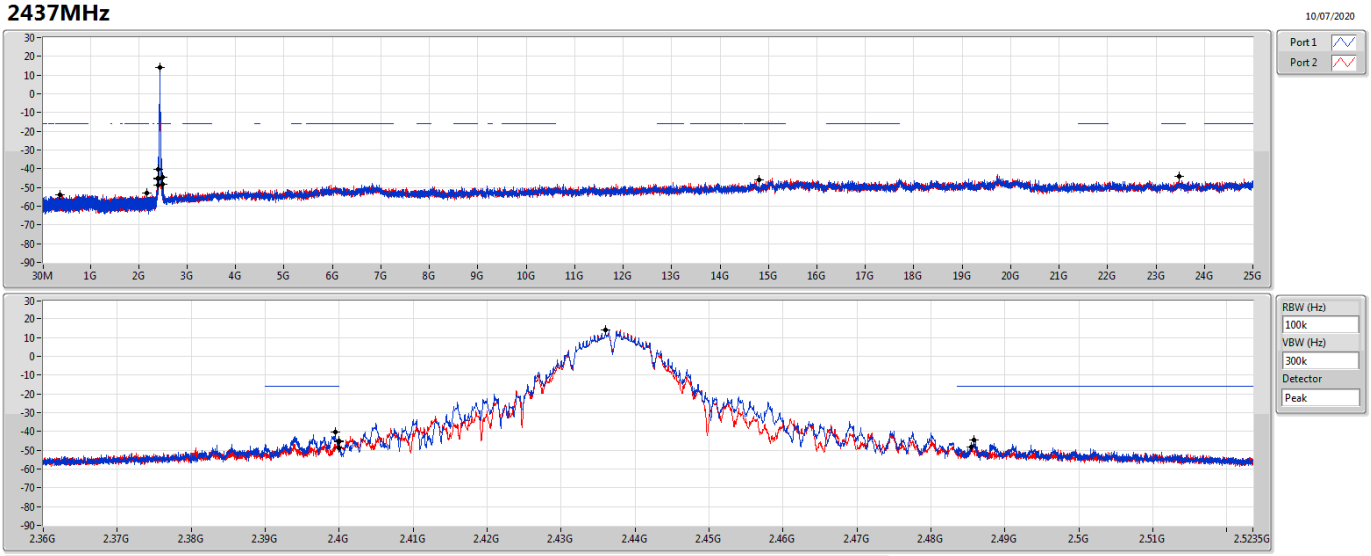
2412MHz



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
2.43599G	13.88	-16.12	931.71M	-53.71	2.4G	-33.15	2.4G	-33.32	2.48588G	-50.13	21.69876G	-46.11	1
2.43599G	13.88	-16.12	869.97M	-54.09	2.39998G	-32.33	2.4G	-31.78	2.49182G	-50.84	24.9719G	-45.34	2

802.11b_Nss1,(1Mbps)_2TX **CSE NdB**

2437MHz

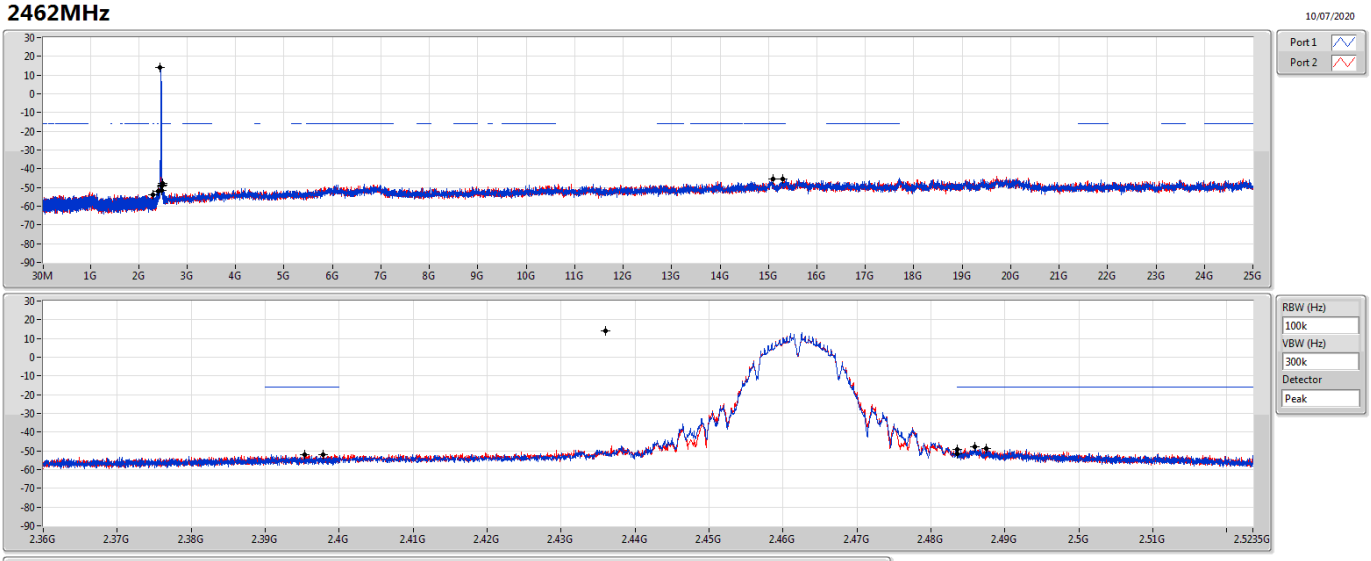


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43599G	13.88	-16.12	2.1602G	-53.20	2.39952G	-40.42	2.4G	-48.56	2.48576G	-44.76	14.8041G	-45.77	1
2.43599G	13.88	-16.12	369.02M	-53.91	2.4G	-45.34	2.4G	-45.15	2.48542G	-48.05	23.47722G	-44.08	2

For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode

802.11b_Nss1,(1Mbps)_2TX **CSE NdB**

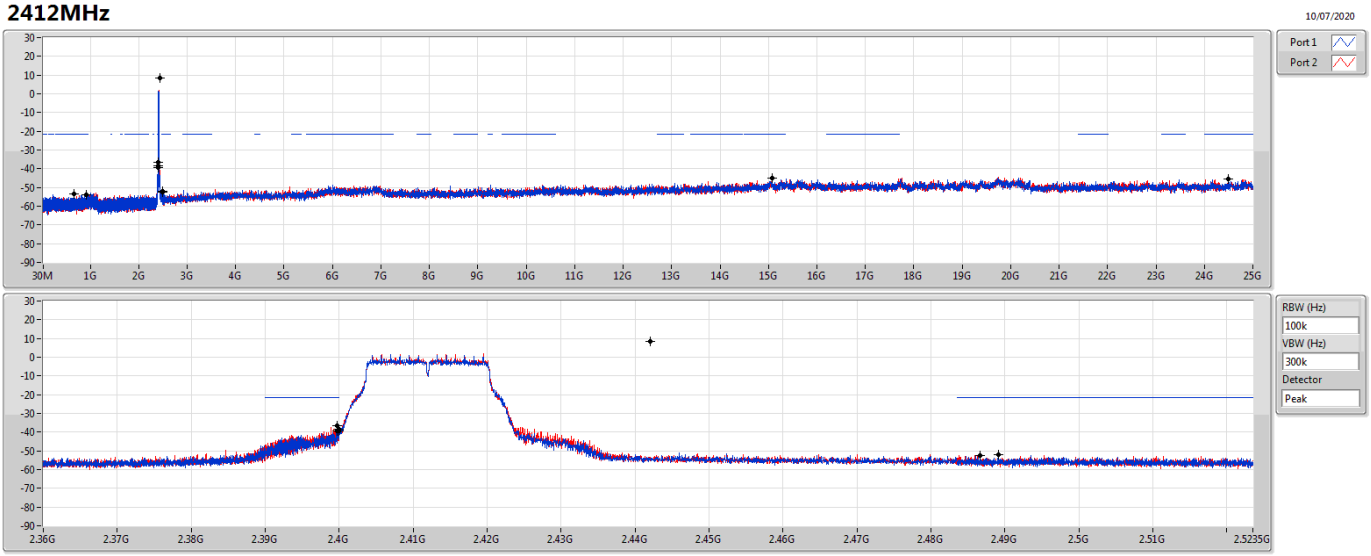
2462MHz



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
2.43599G	13.88	-16.12	2.30029G	-54.07	2.39778G	-52.06	2.4835G	-49.15	2.4875G	-48.87	15.29577G	-45.70	1
2.43599G	13.88	-16.12	2.30204G	-53.95	2.39538G	-51.94	2.4835G	-51.49	2.48594G	-47.99	15.09629G	-45.28	2

802.11g_Nss1,(6Mbps)_2TX **CSE NdB**

2412MHz

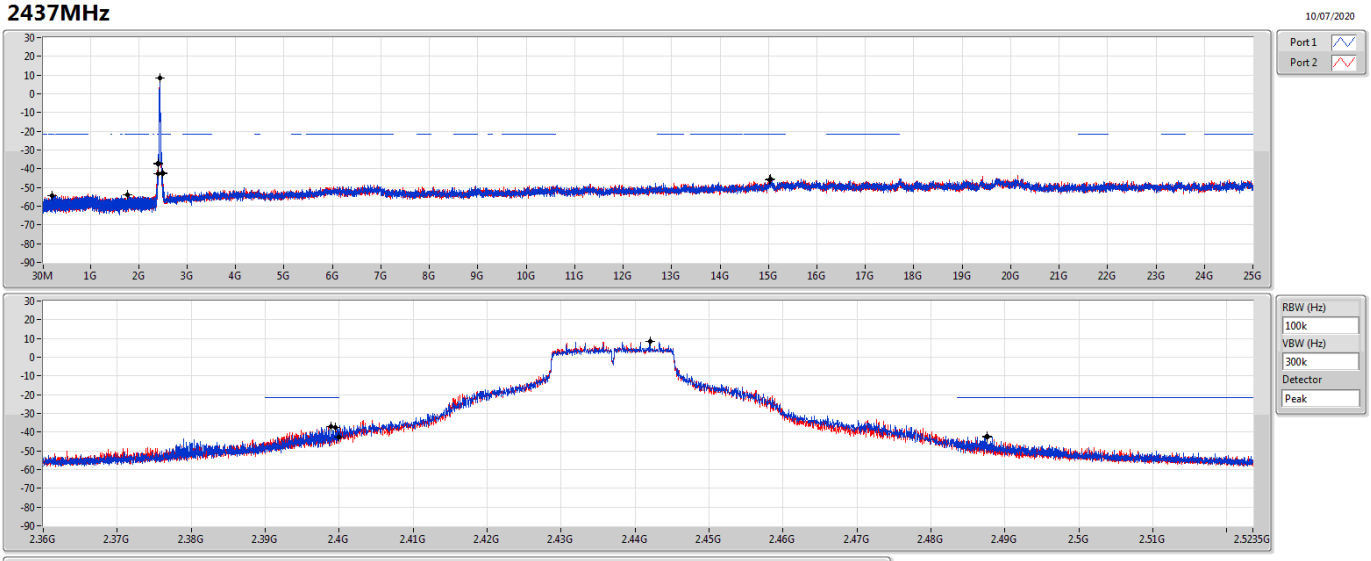


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	8.56	-21.44	662.89M	-53.57	2.3997G	-39.47	2.4G	-39.49	2.48668G	-52.42	15.08224G	-45.19	1
2.442G	8.56	-21.44	918.6M	-53.89	2.39976G	-36.62	2.4G	-38.55	2.48914G	-52.25	24.49428G	-45.64	2

For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode

802.11g_Nss1,(6Mbps)_2TX **CSE NdB**

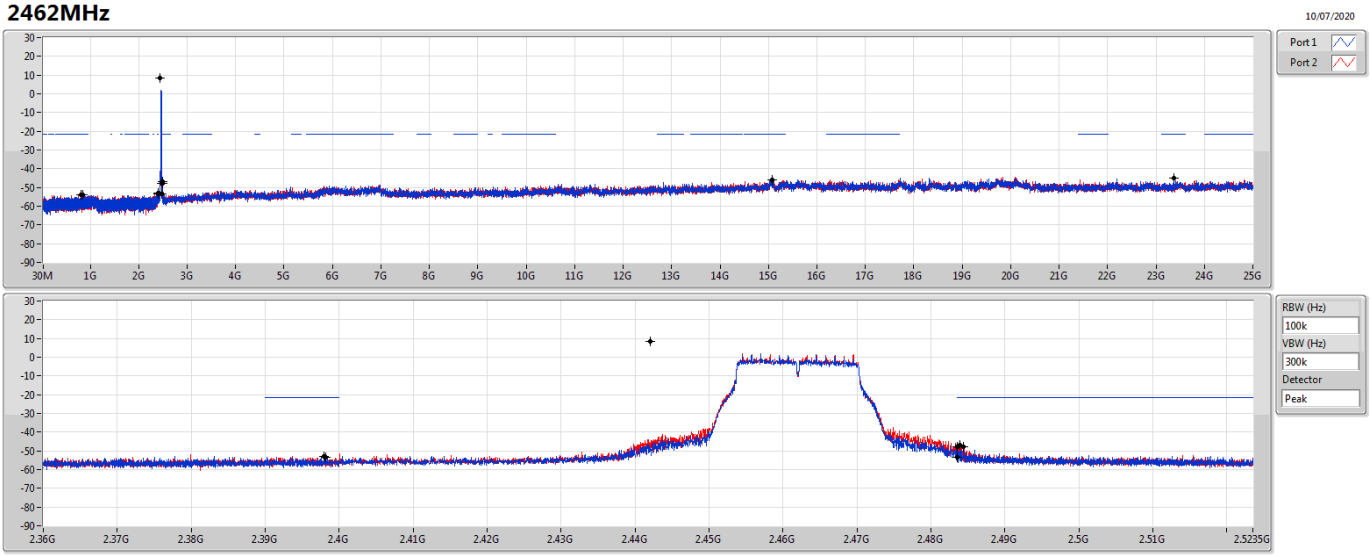
2437MHz



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
2.442G	8.56	-21.44	207.66M	-54.39	2.39954G	-37.37	2.4G	-42.72	2.48756G	-42.21	15.04572G	-45.42	1
2.442G	8.56	-21.44	1.7708G	-53.91	2.39886G	-37.18	2.4G	-42.69	2.4876G	-42.66	15.02886G	-46.04	2

802.11g_Nss1,(6Mbps)_2TX **CSE NdB**

2462MHz

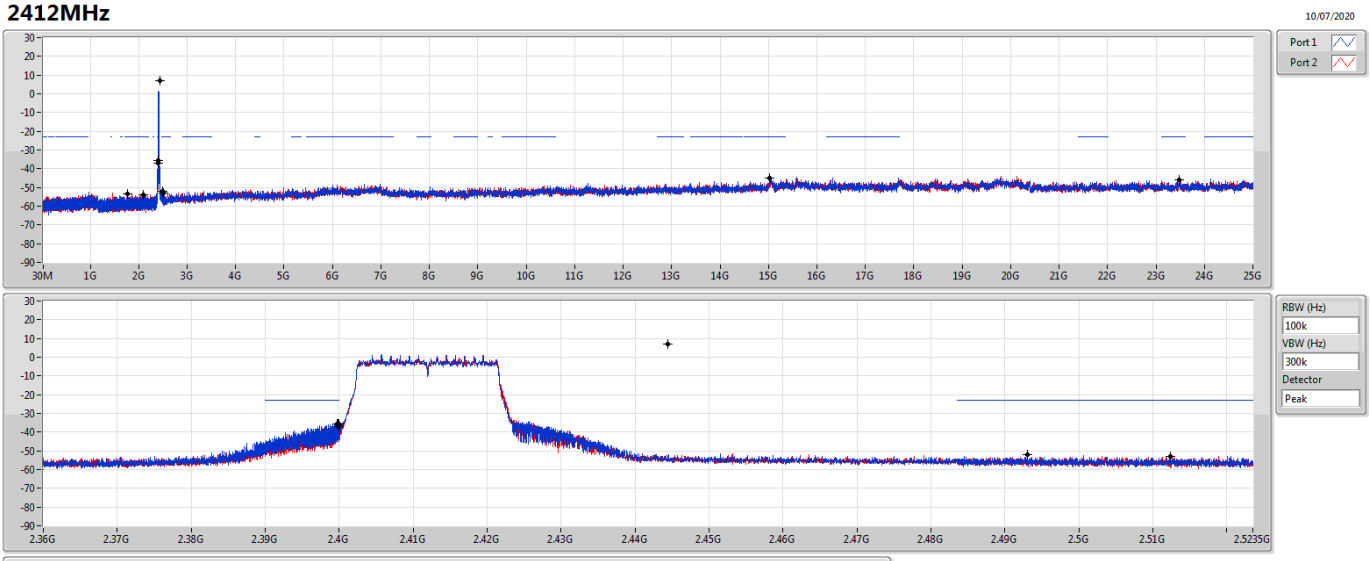


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	8.56	-21.44	812.01M	-53.88	2.39816G	-53.40	2.4835G	-53.39	2.48442G	-47.75	23.37888G	-44.89	1
2.442G	8.56	-21.44	849.58M	-54.00	2.39794G	-53.02	2.4835G	-47.72	2.48388G	-46.65	15.07382G	-45.74	2

For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_2TX **CSE NdB**

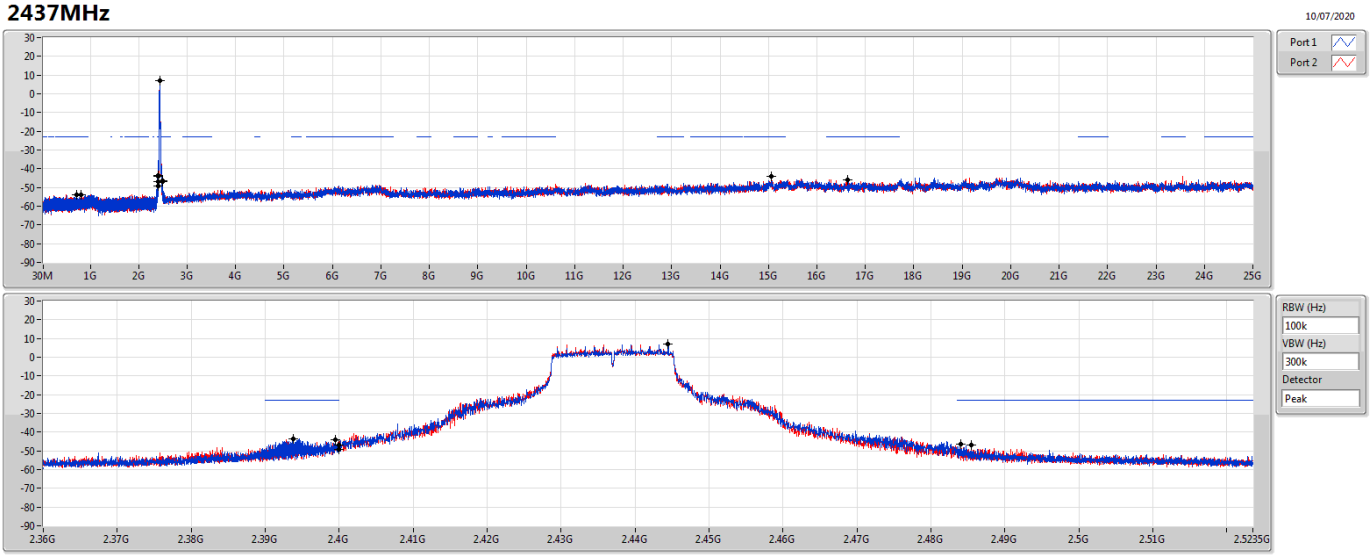
2412MHz



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
2.44446G	6.96	-23.04	1.76643G	-53.54	2.39988G	-35.59	2.4G	-37.00	2.51238G	-52.89	15.02886G	-44.82	1
2.44446G	6.96	-23.04	2.09409G	-53.95	2.39968G	-35.48	2.4G	-35.73	2.49306G	-52.04	23.4716G	-45.78	2

802.11ax HEW20_Nss1,(MCS0)_2TX **CSE NdB**

2437MHz

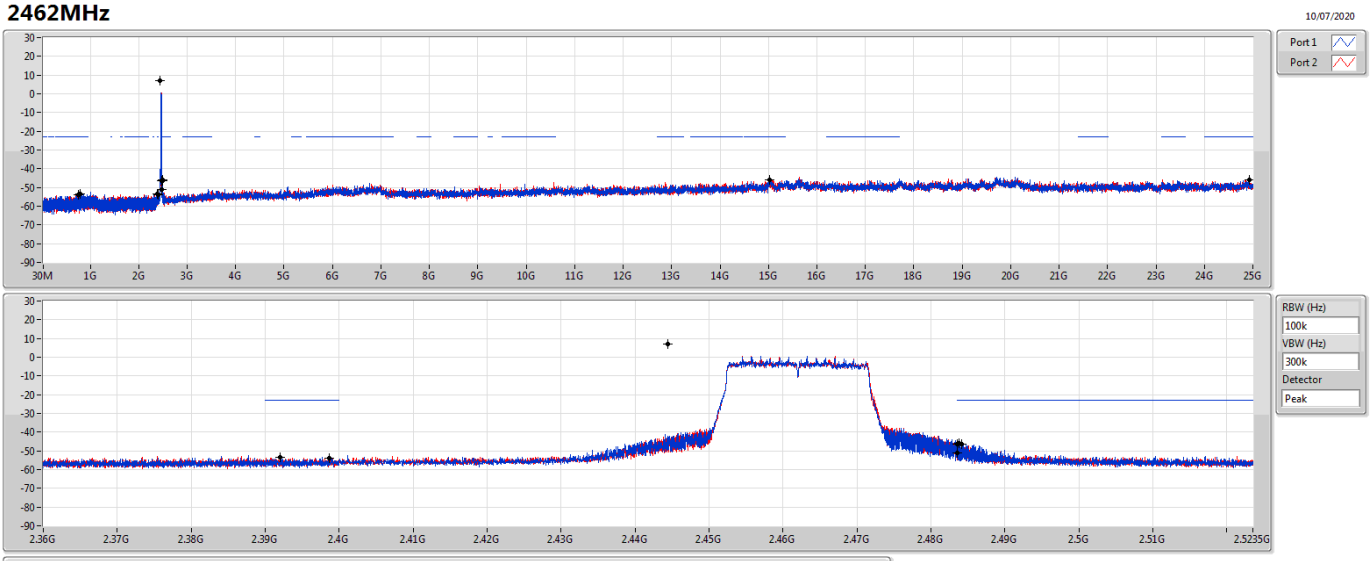


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44446G	6.96	-23.04	817.25M	-54.10	2.39384G	-43.59	2.4G	-47.07	2.48406G	-46.37	16.64155G	-46.01	1
2.44446G	6.96	-23.04	724.34M	-53.84	2.39952G	-43.91	2.4G	-49.33	2.48542G	-47.09	15.06539G	-44.03	2

For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_2TX **CSE NdB**

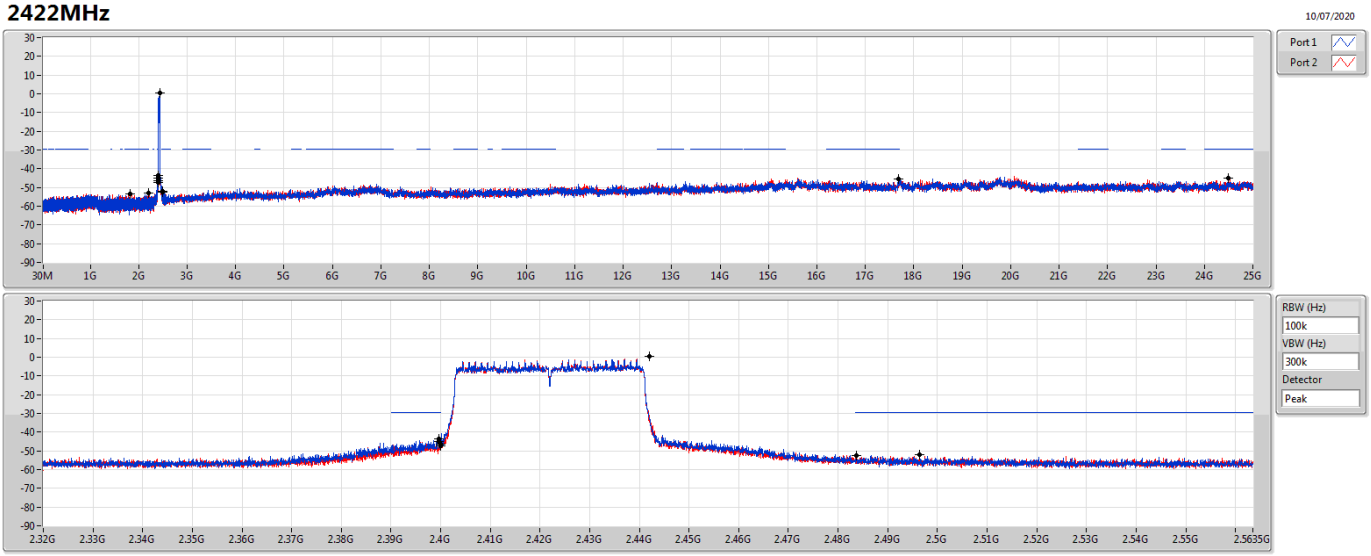
2462MHz



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
2.44446G	6.96	-23.04	759.29M	-53.75	2.392G	-53.43	2.4835G	-46.52	2.48374G	-45.72	24.93257G	-46.13	1
2.44446G	6.96	-23.04	782.59M	-53.30	2.3987G	-53.88	2.4835G	-51.04	2.48418G	-46.48	15.02605G	-45.74	2

802.11ax HEW40_Nss1,(MCS0)_2TX **CSE NdB**

2422MHz

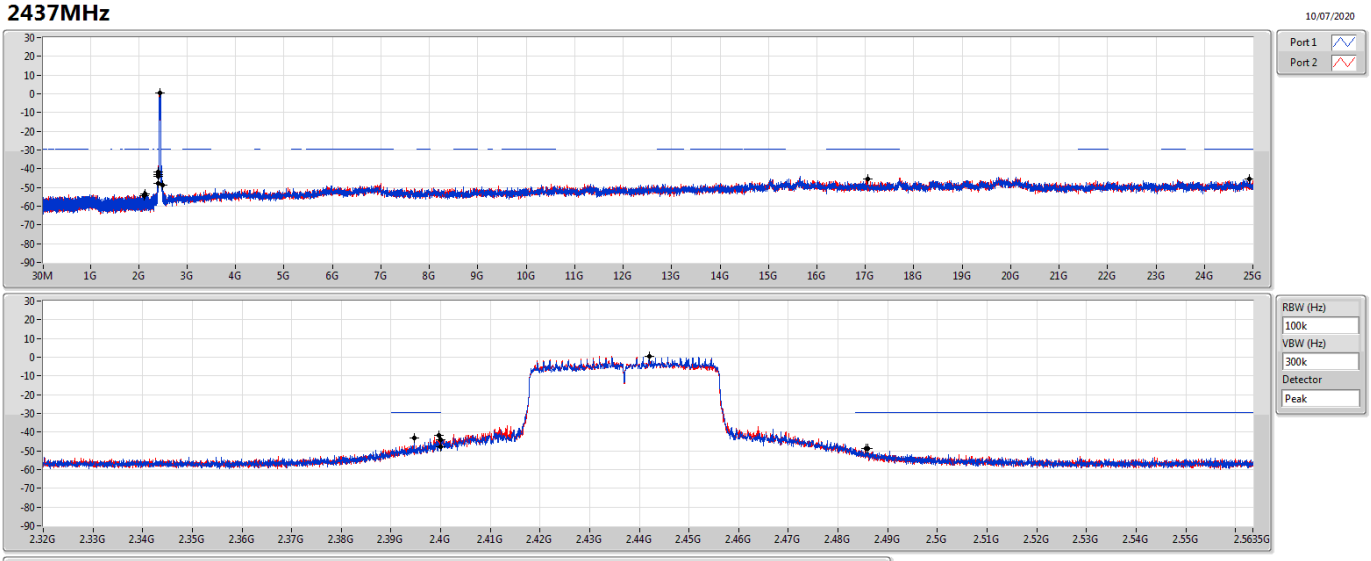


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	0.41	-29.59	1.81763G	-53.62	2.39964G	-43.59	2.4G	-46.38	2.48362G	-52.47	24.48677G	-44.92	1
2.442G	0.41	-29.59	2.1972G	-53.11	2.39964G	-45.12	2.4G	-47.48	2.49638G	-52.09	17.68851G	-45.56	2

For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_2TX **CSE NdB**

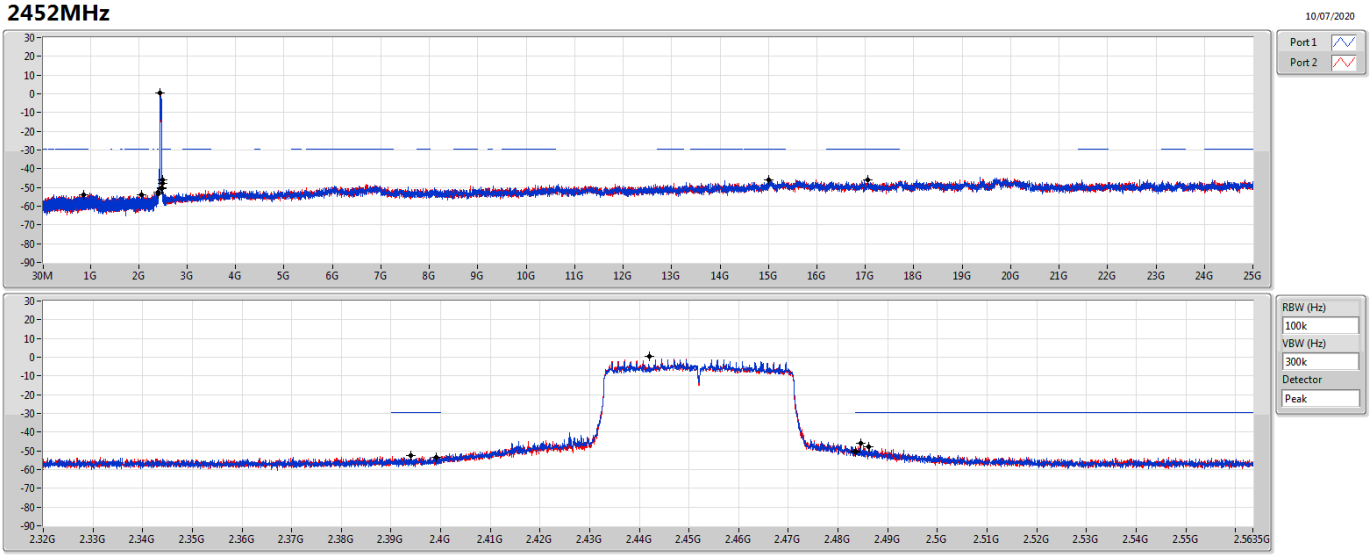
2437MHz



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
2.442G	0.41	-29.59	2.11791G	-54.20	2.39472G	-42.93	2.4G	-48.01	2.48566G	-48.61	24.92708G	-45.59	1
2.442G	0.41	-29.59	2.1305G	-53.64	2.39956G	-41.83	2.4G	-44.06	2.48598G	-48.89	17.05748G	-45.41	2

802.11ax HEW40_Nss1,(MCS0)_2TX **CSE NdB**

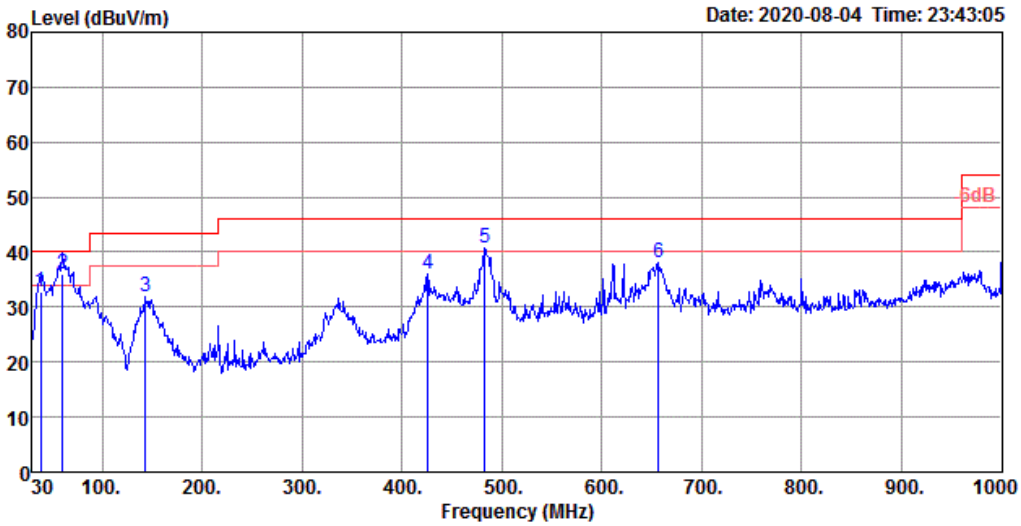
2452MHz



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
2.442G	0.41	-29.59	856.12M	-54.14	2.39912G	-53.33	2.4835G	-50.37	2.48622G	-47.87	17.04626G	-45.74	1
2.442G	0.41	-29.59	2.0661G	-53.90	2.39392G	-52.66	2.4835G	-50.45	2.4845G	-45.94	15.00734G	-46.06	2

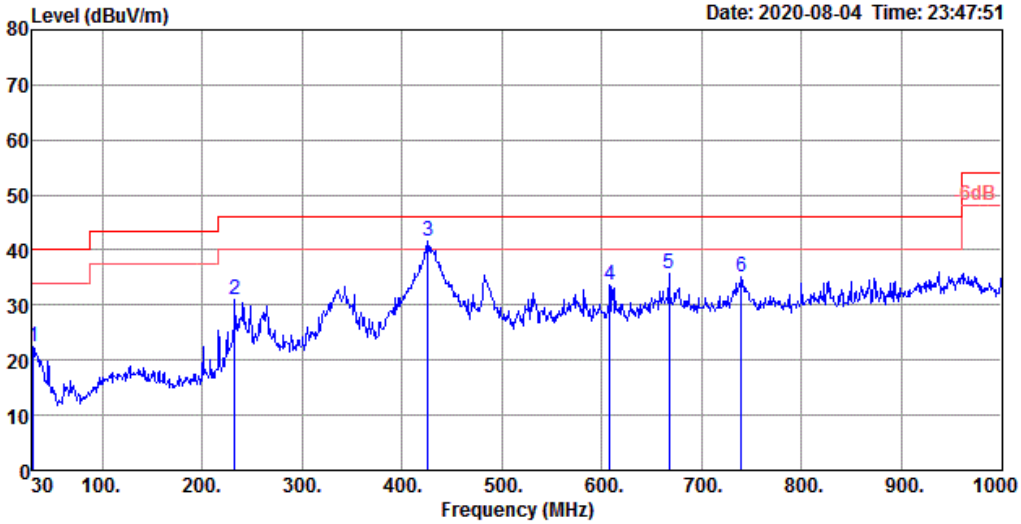
Test Mode	Mode 3 / Unintentional	Frequency Range	30 MHz to 1,000 MHz

Vertical 30 MHz to 1,000 MHz



	Freq	Level	Limit Line	Over Limit	Read Level	Preamp Factor	Antenna Factor	Cable Loss	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	38.73	32.70	40.00	-7.30	39.91	27.85	18.55	2.09	QP	200	4	VERTICAL
2	60.07	36.00	40.00	-4.00	49.69	27.81	11.59	2.53	QP	100	351	VERTICAL
3	143.49	31.80	43.50	-11.70	39.59	27.60	16.02	3.79	Peak	100	180	VERTICAL
4	425.76	36.06	46.00	-9.94	36.03	28.24	21.74	6.53	Peak	100	188	VERTICAL
5	482.99	40.78	46.00	-5.22	39.76	28.56	22.65	6.93	Peak	300	356	VERTICAL
6	656.62	38.19	46.00	-7.81	34.33	28.56	24.29	8.13	Peak	400	192	VERTICAL

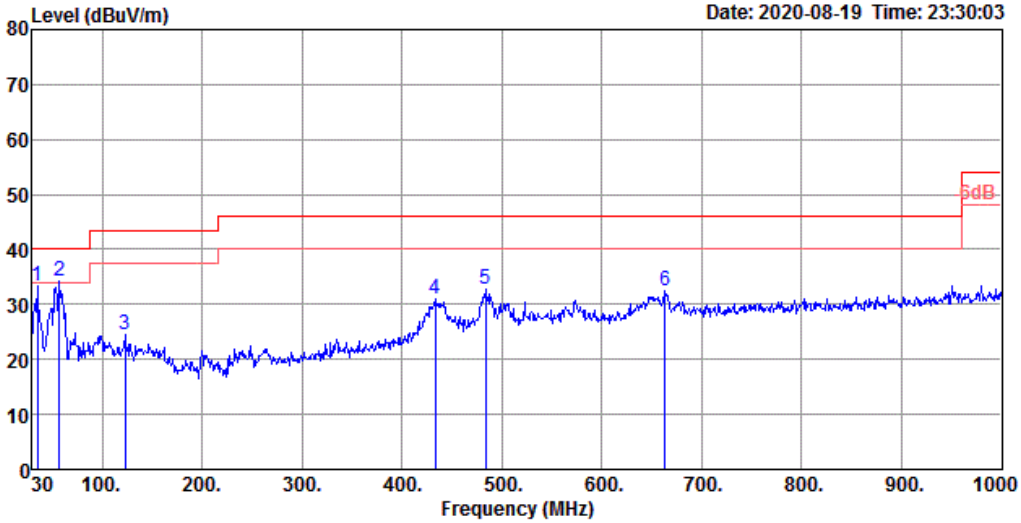
Horizontal 30 MHz to 1,000 MHz



	Freq	Level	Limit Line	Over Limit	Read Level	Preamp Factor	Antenna Factor	Cable Loss	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	30.97	22.49	40.00	-17.51	25.91	27.85	22.59	1.84	Peak	100	96	HORIZONTAL
2	232.73	30.98	46.00	-15.02	37.82	27.27	15.62	4.81	Peak	200	175	HORIZONTAL
3	425.76	41.68	46.00	-4.32	41.65	28.24	21.74	6.53	Peak	400	180	HORIZONTAL
4	608.12	33.61	46.00	-12.39	30.49	28.63	23.92	7.83	Peak	100	191	HORIZONTAL
5	667.29	35.65	46.00	-10.35	31.61	28.50	24.31	8.23	Peak	300	129	HORIZONTAL
6	740.04	35.18	46.00	-10.82	29.91	28.11	24.73	8.65	Peak	100	186	HORIZONTAL

Test Mode	Mode 1 / Intentional	Frequency Range	30 MHz to 1,000 MHz

Vertical 30 MHz to 1,000 MHz



	Freq	Level	Limit Line	Over Limit	Read Level	Preamp Factor	Antenna Factor	Cable Loss	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	34.85	33.37	40.00	-6.63	38.53	27.83	20.70	1.97	Peak	100	305	VERTICAL
2	57.16	34.14	40.00	-5.86	47.90	27.83	11.59	2.48	Peak	100	189	VERTICAL
3	123.12	24.50	43.50	-19.00	31.52	27.68	17.14	3.52	Peak	100	92	VERTICAL
4	433.52	30.96	46.00	-15.04	30.98	28.31	21.69	6.60	Peak	100	262	VERTICAL
5	483.96	32.91	46.00	-13.09	31.89	28.57	22.66	6.93	Peak	400	332	VERTICAL
6	663.41	32.46	46.00	-13.54	28.52	28.53	24.28	8.19	Peak	200	357	VERTICAL