FCC RADIO TEST REPORT

FCC ID	:	MSQ-AXHZ00
Equipment	:	AX6600 Tri Band WiFi Router
Brand Name	:	ASUS
Model Name	:	RT-AX95Q, ZenWiFi XT8, ASUS ZenWiFi XT8, XT8, ASUS ZenWiFi
Applicant	:	ASUSTeK COMPUTER INC. 4F, No. 150, Li-Te Rd., Peitou, Taipei 112, Taiwan
Manufacturer (1)	:	Compal Networking (KunShan) Co., LTD. No. 520, Nanbang Rd., Economic & Technical Development Zone Kunshan, Jiangsu Province China
Manufacturer (2)	:	ARCADYAN TECHNOLOGY (VIETNAM) CO., LTD. Ba Thien Industrial Park, Ba Hien commune, Binh Xuyen district, Vinh Phuc Province
Standard	:	47 CFR FCC Part 15.247

The product was received on May 15, 2019, and testing was started from May 15, 2019 and completed on Aug. 16, 2019. 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 report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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: Sam Chen

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

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Photographs of EUT v01

History of this test report

Report No.	Version	Description	Issued Date
FR951008AA	01	Initial issue of report	Aug. 28, 2019

Summary of Test Result

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

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: Viola Huang

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]

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 HT-20	20	2TX
2.4-2.4835GHz	802.11n HT20-BF	20	2TX
2.4-2.4835GHz	VHT-20	20	2TX
2.4-2.4835GHz	VHT20-BF	20	2TX
2.4-2.4835GHz	802.11ax HEW20	20	2TX
2.4-2.4835GHz	802.11ax HEW20-BF	20	2TX
2.4-2.4835GHz	802.11n HT-40	40	2TX
2.4-2.4835GHz	802.11n HT40-BF	40	2TX
2.4-2.4835GHz	VHT-40	40	2TX
2.4-2.4835GHz	VHT40-BF	40	2TX
2.4-2.4835GHz	802.11ax HEW40	40	2TX
2.4-2.4835GHz	802.11ax HEW40-BF	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.
- Nss-Min is the minimum number of spatial streams.
- Nant is the number of outputs. e.g., 2(2,3) means have 2 outputs for port 2 and port 3. 2 means have 2 outputs for port 1 and port 2.

1.1.2 Antenna Information

Set	Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)
1	1	PSA	RFDPA230508IMLB902	Dipole Antenna	I-PEX	Note 1
	2	PSA	RFDPA230508IMLB902	Dipole Antenna	I-PEX	
	3	PSA	RFDPA230508IMLB902	Dipole Antenna	I-PEX	
	4	PSA	RFDPA230508IMLB902	Dipole Antenna	I-PEX	
	5	PSA	RFDPA230508IMLB902	Dipole Antenna	I-PEX	
	6	PSA	RFDPA230508IMLB902	Dipole Antenna	I-PEX	
2	1	M.gear	C660-510484-A	Dipole Antenna	I-PEX	
	2	M.gear	C660-510484-A	Dipole Antenna	I-PEX	
	3	M.gear	C660-510484-A	Dipole Antenna	I-PEX	
	4	M.gear	C660-510484-A	Dipole Antenna	I-PEX	
	5	M.gear	C660-510484-A	Dipole Antenna	I-PEX	
	6	M.gear	C660-510484-A	Dipole Antenna	I-PEX	
3	7	YAGEO	ANT3216A063R2400A	Chip Antenna	N/A	

Note 1:

Gain (dBi) - CDD mode for output power										
Set	Ant.	Port				2.4GHz	5GHz Band 1	5GHz Band 3	5GHz Band 4	Bluetooth
		2.4G 2TX	5G 2TX	5G 4TX	Bluetooth 1TX					
1	1	1	1	-	-	1.82	3.08	-	-	-
	2	2	2	-	-	1.82	3.08	-	-	-
	3	-	-	2	-	-	-	2.22	2.23	-
	4	-	-	3	-	-	-	2.22	2.23	-
	5	-	-	1	-	-	-	2.22	2.23	-
	6	-	-	4	-	-	-	2.22	2.23	-
2	1	-	-	-	-	1.82	3.08	-	-	-
	2	-	-	-	-	1.82	3.08	-	-	-
	3	-	-	-	-	-	-	2.22	2.23	-
	4	-	-	-	-	-	-	2.22	2.23	-
	5	-	-	-	-	-	-	2.22	2.23	-
	6	-	-	-	-	-	-	2.22	2.23	-
3	1	-	-	-	1	-	-	-	-	2.02

Gain (dBi) - Beamforming mode for output power & PSD, CDD mode for PSD												
Set	Ant.	Port				2.4GHz	5GHz Band 1	5GHz Band 3		5GHz Band 4		Bluetooth
		2.4G 2TX	5G 2TX	5G 4TX	Bluetooth 1TX			4T1S	4T2S	4T1S	4T2S	
1	1	1	1	-	-	4.70	5.99	-	-	-	-	-
	2	2	2	-	-	4.70	5.99	-	-	-	-	-
	3	-	-	2	-	-	-	8.07	5.22	8.21	5.23	-
	4	-	-	3	-	-	-	8.07	5.22	8.21	5.23	-
	5	-	-	1	-	-	-	8.07	5.22	8.21	5.23	-
	6	-	-	4	-	-	-	8.07	5.22	8.21	5.23	-
2	1	-	-	-	-	4.70	5.99	-	-	-	-	-
	2	-	-	-	-	4.70	5.99	-	-	-	-	-
	3	-	-	-	-	-	-	8.07	5.22	8.21	5.23	-
	4	-	-	-	-	-	-	8.07	5.22	8.21	5.23	-
	5	-	-	-	-	-	-	8.07	5.22	8.21	5.23	-
	6	-	-	-	-	-	-	8.07	5.22	8.21	5.23	-

Note 2: The EUT has three sets of antennas and there are six antennas for set 1 and set 2.

Set 1~2 are the same antenna type. Only Set 1 antenna was selected to test and record in this report.

For 2.4GHz WLAN function (Radio 1)

IEEE 802.11b/g/n/VHT/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 5GHz Band 1 WLAN function (Radio 1)

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 5GHz Band 3~Band 4 WLAN function (Radio 2)

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 Bluetooth function (Radio 3)

Only Port 1 can be used as transmitting/receiving antenna.

1.1.3 Mode Test Duty Cycle

For 2T1S

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.994	0.03	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.98	0.09	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW20-BF	0.974	0.11	1.148m	1k
802.11ax HEW40-BF	0.975	0.11	1.202m	1k

For 2T2S

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20	0.982	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40	0.981	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)

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

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	For IEEE 802.11n/ac/VHT in 2.4GHz and IEEE 802.11n/ac/ax in 5GHz.			
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	Mtool V3.1.0.3			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

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

Brand Name	Model Name	Description
ASUS	RT-AX95Q	All the models are identical, the different model names served as marketing strategy.
	ZenWiFi XT8	
	ASUS ZenWiFi XT8	
	XT8	
	ASUS ZenWiFi	

From the above models, model: RT-AX95Q was selected as representative model for the test and its data was recorded in this report.

1.1.6 Table for SKU information

EUT No.	SKU No.	Brand Name	P/N
1	SKU 1	NETSWAP	NS773602 / NS771802
2	SKU 2	Mingtek	HN36201CG / HN18101CG

1.1.7 Table for EUT supports functions

Function	Support Type
AP Router	Master
Bridge	Slave without radar detection
Repeater	Master
Mesh	Master

1.1.8 Table for radio information

Radio	2.4GHz	5GHz	Bluetooth
1	V	V (Band 1)	X
2	X	V (Band 3~Band 4)	X
3	X	X	V

1.2 Applicable Standards

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

- 47 CFR FCC Part 15
- ANSI C63.10-2013
- FCC KDB 558074 D01 v05r02
- FCC KDB 662911 D01 v02r01

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	TH02-CB	Owen Hsu	26.3~28.5°C / 56~60%	Jun. 21, 2019~Jul. 31, 2019
Radiated Below 1GHz	03CH05-CB	Eason Chen	27~28°C / 64~66%	Aug. 05, 2019~Aug. 13, 2019
Radiated Above 1GHz	03CH06-CB	Eason Chen	27.4~28.7°C / 61~65%	May 15, 2019~Jul. 31, 2019
AC Conduction	CO01-CB	Rick Yeh	25.1~26.1°C / 46.2~47.3%	Aug. 02, 2019~Aug. 16, 2019

Test site Designation No. TW0006 with FCC.
Test site registered number IC 4086B 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)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	5.1 dB	Confidence levels of 95%
Conducted Emission	2.4 dB	Confidence levels of 95%
Output Power Measurement	1.5 dB	Confidence levels of 95%
Power Density Measurement	2.4 dB	Confidence levels of 95%
Bandwidth Measurement	2%	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

For 2T1S

Mode	PowerSetting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	112
2437MHz	112
2462MHz	110
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	88
2417MHz	95
2437MHz	110
2457MHz	96
2462MHz	90
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	80
2417MHz	90
2437MHz	111
2457MHz	92
2462MHz	86
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
2422MHz	73
2427MHz	78
2437MHz	91
2452MHz	84

For 2T2S

Mode	PowerSetting
802.11ax HEW20_Nss2,(MCS0)_2TX	-
2412MHz	83
2417MHz	92
2437MHz	109
2457MHz	93
2462MHz	88
802.11ax HEW40_Nss2,(MCS0)_2TX	-
2422MHz	78
2427MHz	82
2437MHz	90
2452MHz	86

Note:
- After evaluating, 802.11ax mode has been evaluated to be the worst case, so it was selected to test and record in this test report.
- There are two modes of EUT for 802.11n/ac/VHT in 2.4GHz and 802.11n/ac/ax in 5GHz. One is beamforming mode, and the other is non-beamforming mode, after evaluating, beamforming mode has been evaluated to be the worst case, so it was selected to test and record in this test report.

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	CTX
1	EUT 1 + Radio 1_2.4G
2	EUT 1 + Radio 1_5G Band 1
3	EUT 1 + Radio 2_5G Band 3 + Band 4
4	EUT 1 + Radio 3_Bluetooth
For operating mode 3 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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
1	EUT 1 + Radio 1_2.4G
2	EUT 1 + Radio 1_5G Band 1
3	EUT 1 + Radio 2_5G Band 3 + Band 4
4	EUT 1 + Radio 3_Bluetooth
Mode 2 has been evaluated to be the worst case among Mode 1~4, thus measurement for Mode 5 will follow this same test mode.	
5	EUT 2 + Radio 1_5G Band 1
For operating mode 5 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
1	EUT 1 + Radio 1_2.4G

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	WLAN 2.4GHz_Radio 1 + WLAN 5GHz_Radio 1
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz_Radio 1 + WLAN 5GHz_Radio 2 + Bluetooth_Radio 3
2	WLAN 5GHz_Radio 1 + WLAN 5GHz_Radio 2 + Bluetooth_Radio 3
Refer to Sporton Test Report No.: FA951008 for Co-location RF Exposure Evaluation.	

Note:The EUT can only use Y axis position.

2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

During the test, the following programs under WIN 7 were executed.

The program was executed as follows:

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under Telnet.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by WLAN AP and transmit duty cycle no less than 98%.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories				
Equipment Name	**Brand Name**	**Model Name**	**Type**	**Rating**
Adapter	PI	AD2088320	010LF	INPUT: 100-240V ~ 50/60Hz, 0.8A OUTPUT: 19V, 1.75A
Other				
RJ-45 cable*1: Non-shielded, 1.5m				

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	HDD3.0	WD	WDBACY5000AWT	N/A
B	LAN NB	DELL	E6430	N/A

For Radiated (below 1GHz):

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A

For RF Conducted and Radiated (above 1GHz):
(For non beamforming mode)

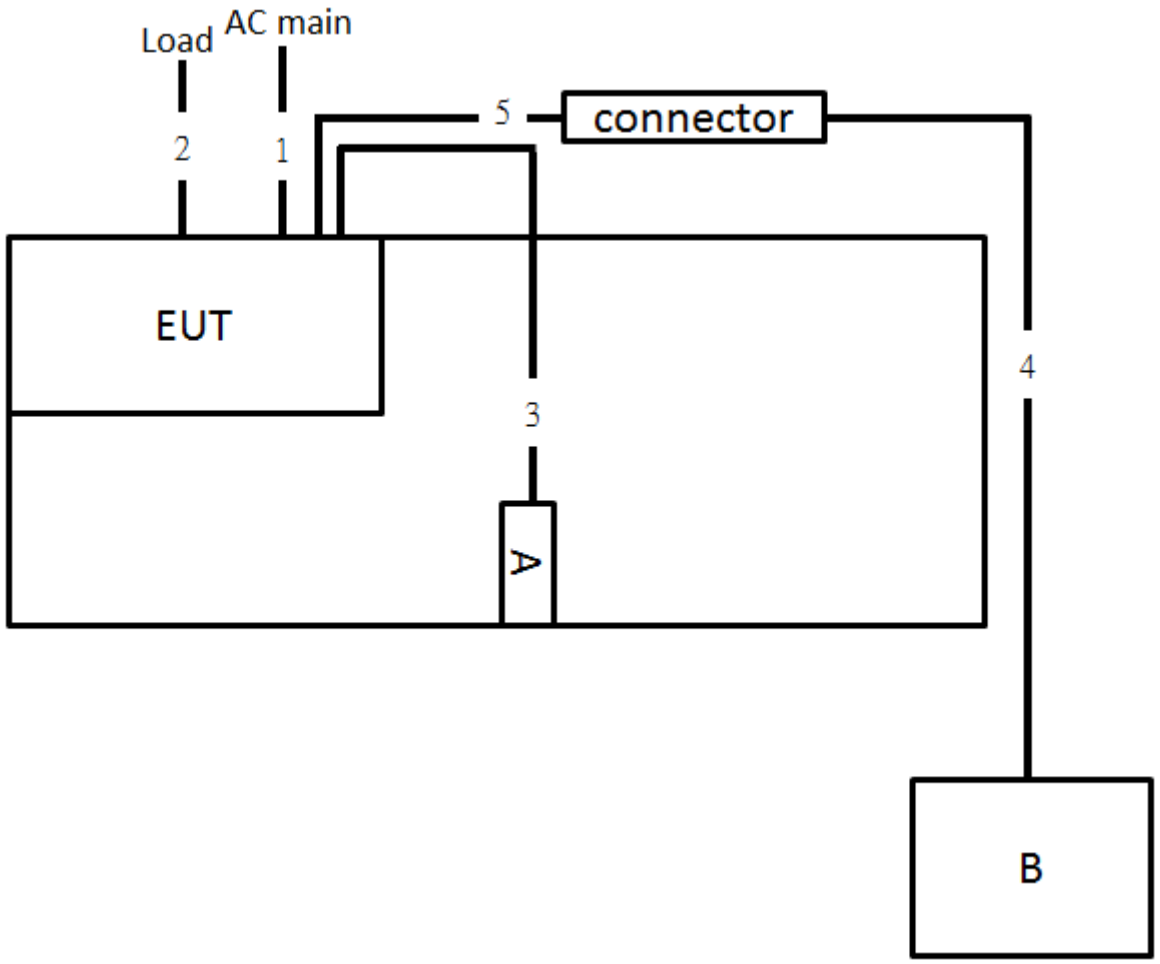
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A

(For beamforming mode)

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A
B	WLAN AP	ASUS	RT-AX88U	N/A
C	NB	DELL	E4300	N/A

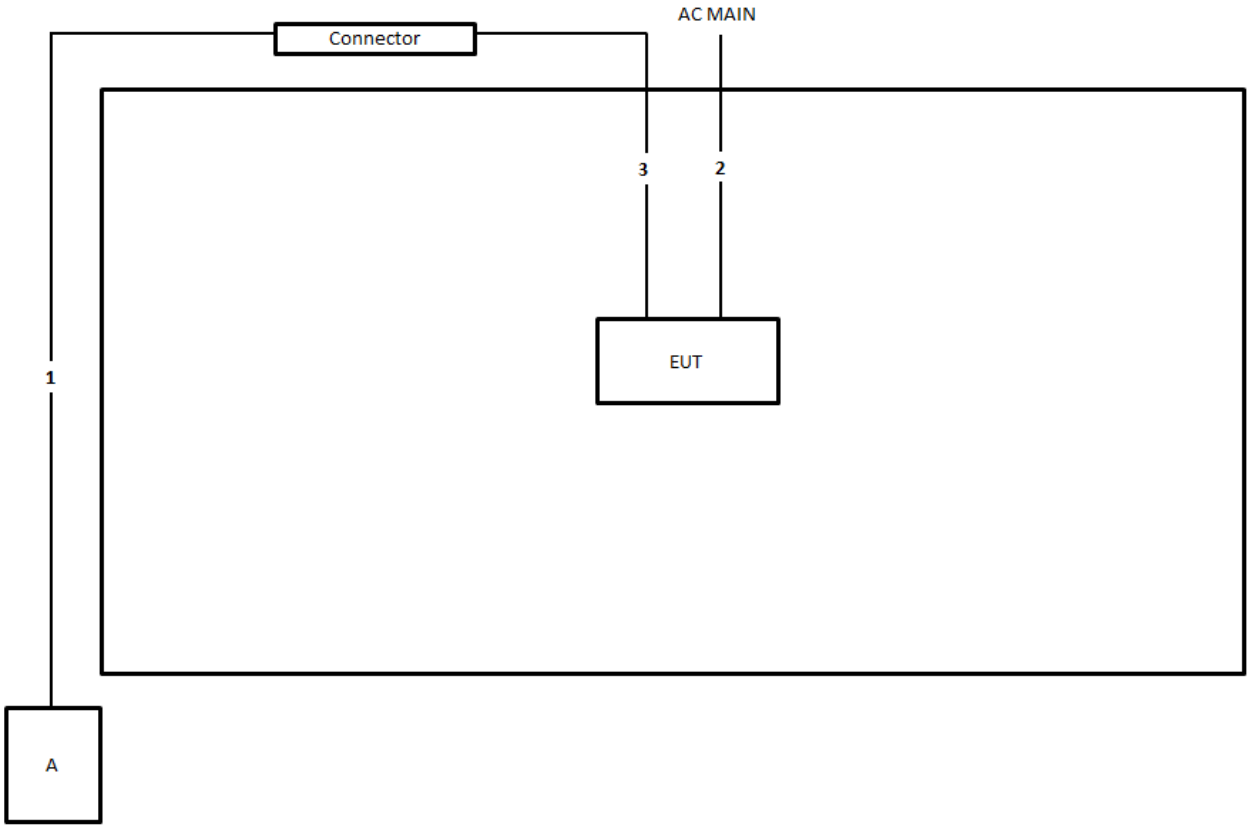
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



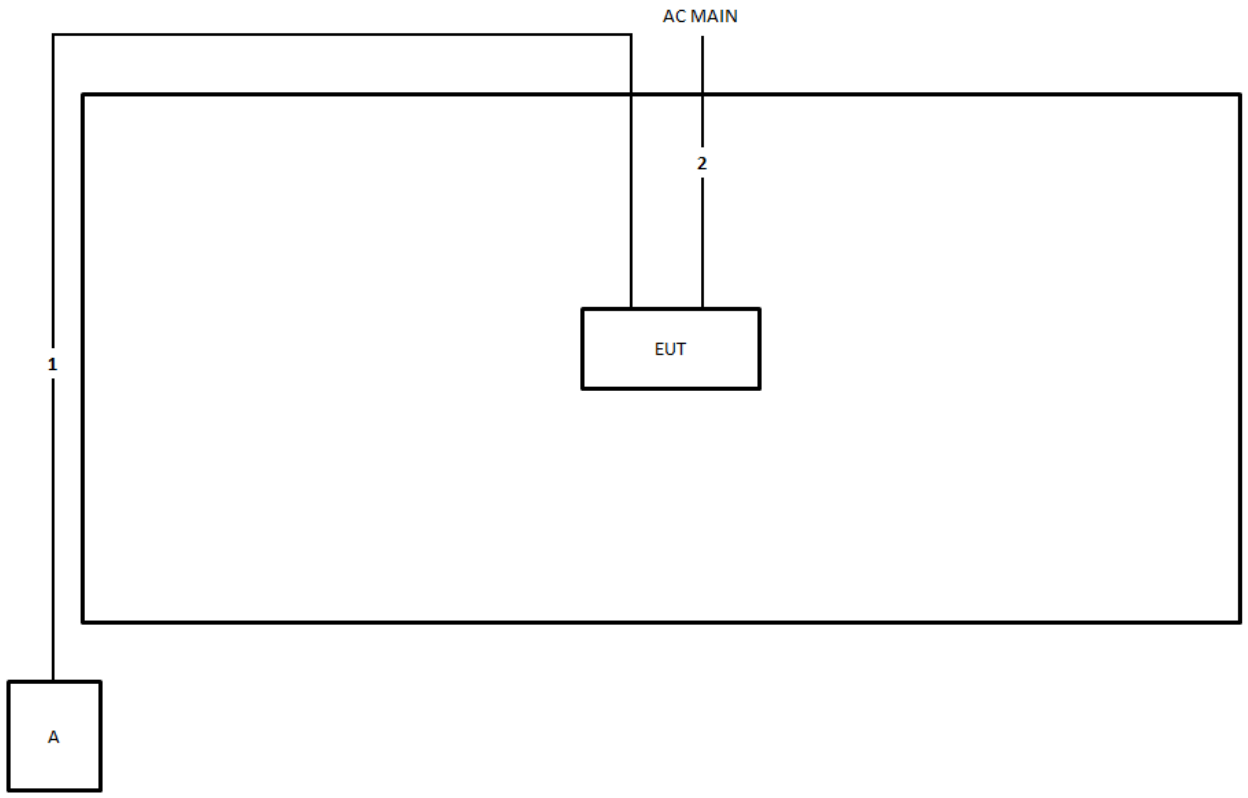
Item	Connection	Shielded	Length
1	Power cable	No	2.2m
2	RJ-45 cable*3	No	1.5m
3	USB cable	Yes	1.8m
4	RJ-45 cable	No	10m
5	RJ-45 cable	No	1.5m

Test Setup Diagram - Radiated Test < 1GHz



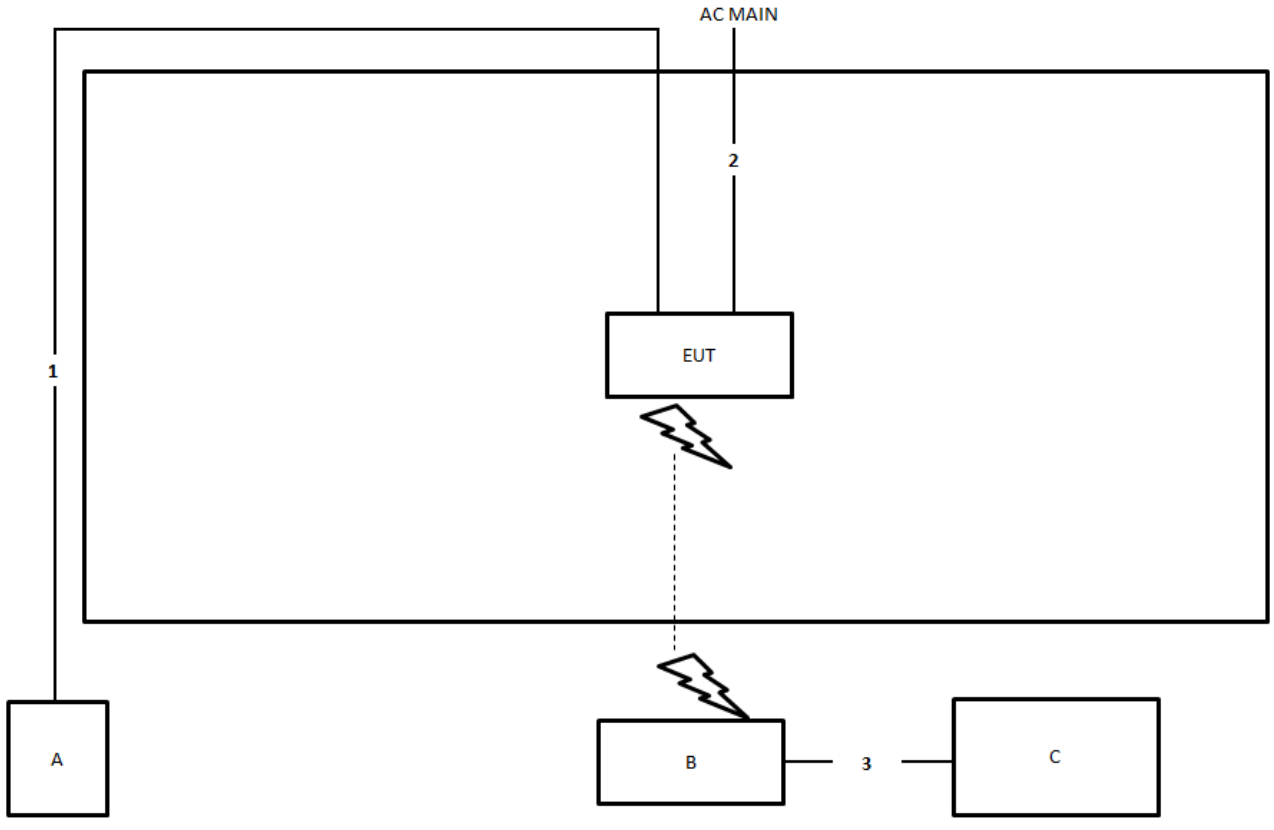
Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	2.2m
3	RJ-45 cable	No	1.5m

Test Setup Diagram - Radiated Test > 1GHz / For non-beamforming mode



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	2.2m

Test Setup Diagram - Radiated Test > 1GHz / For beamforming mode



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	2.2m
3	RJ-45 cable	No	1.5m

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

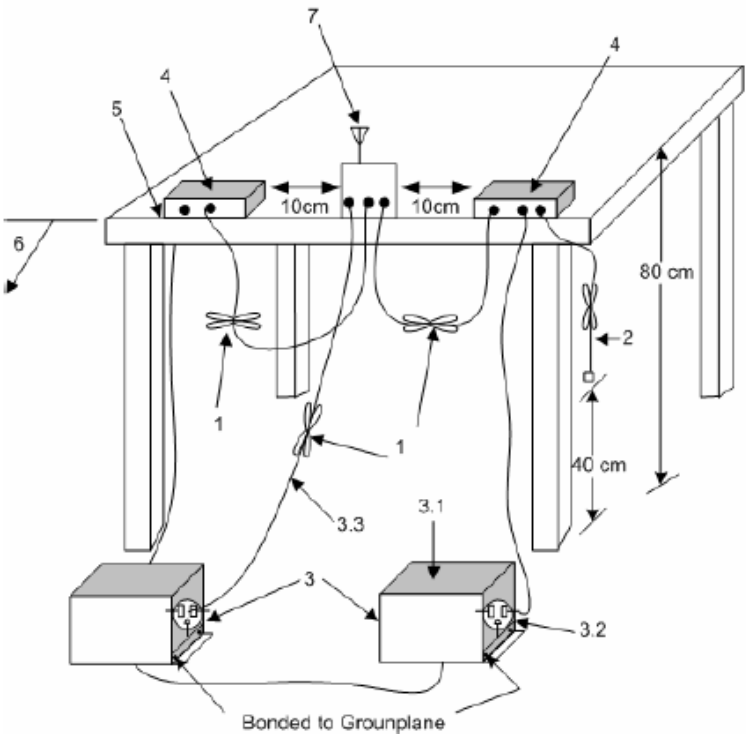
Refer a test equipment and calibration data table in this test report.

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 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.

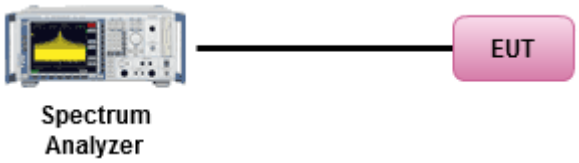
3.2.2 Measuring Instruments

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.		

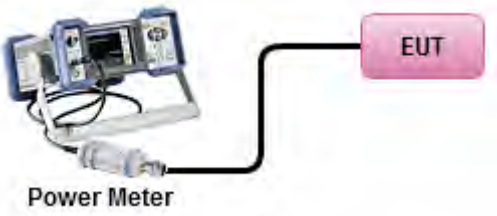
3.3.2 Measuring Instruments

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

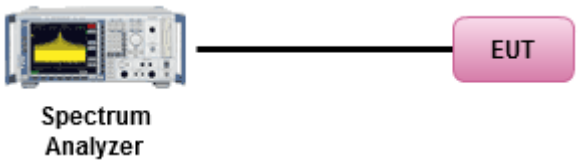
Refer a test equipment and calibration data table in this test report.

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 11.10.2 Method PKPSD.
	[duty cycle ≥ 98% or external video / power trigger]
	☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.3 Method AVGPSD-1.
	☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.5 Method AVGPSD-2.
	☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.7 Method AVGPSD-3.
	duty cycle < 98% and average over on/off periods with duty factor
	☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.4 Method AVGPSD-1A. (alternative).
	☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.6 Method AVGPSD-2A. (alternative)
	☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.8 Method AVGPSD-3A. (alternative)
▪ For conducted measurement.	
	▪ If The EUT supports multiple transmit chains using options given below:
	☒ Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
	☐ Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,

		☐ Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

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

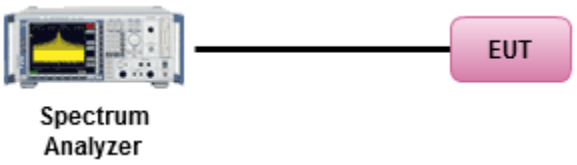
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup

Emissions in Non-restricted Frequency Bands


3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

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

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

3.6.2 Measuring Instruments

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

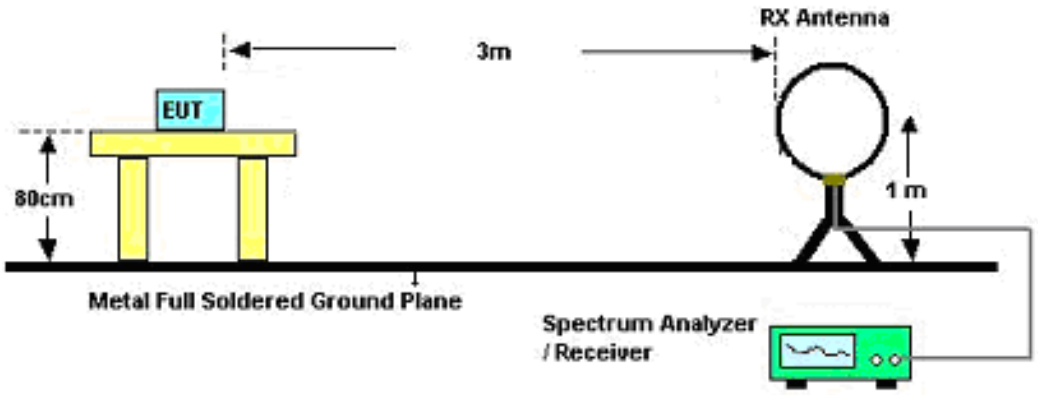
3.6.3 Test Procedures

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

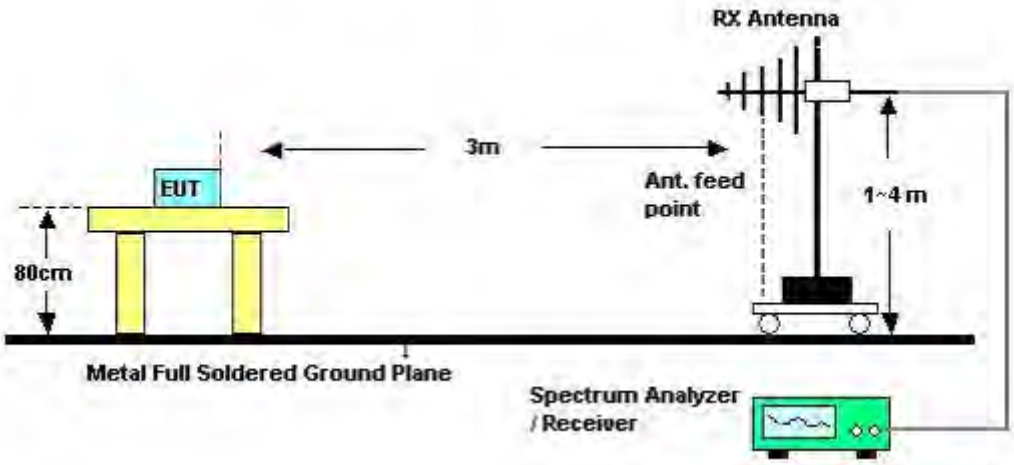
3.6.4 Test Setup

Radiated - Emissions in Restricted Frequency Bands

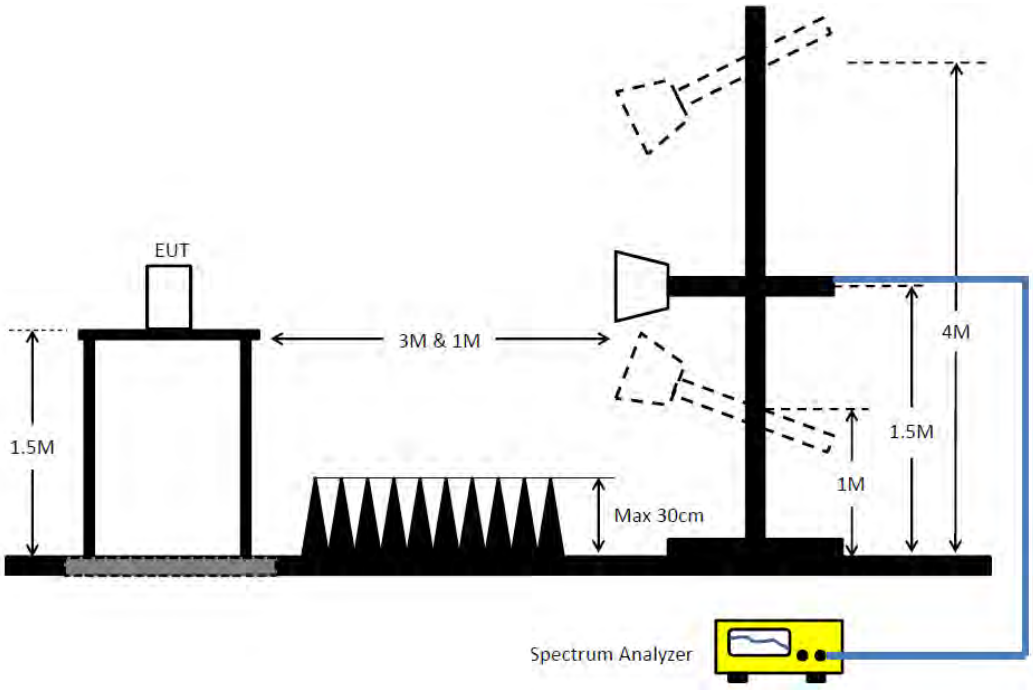
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.6.5 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

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

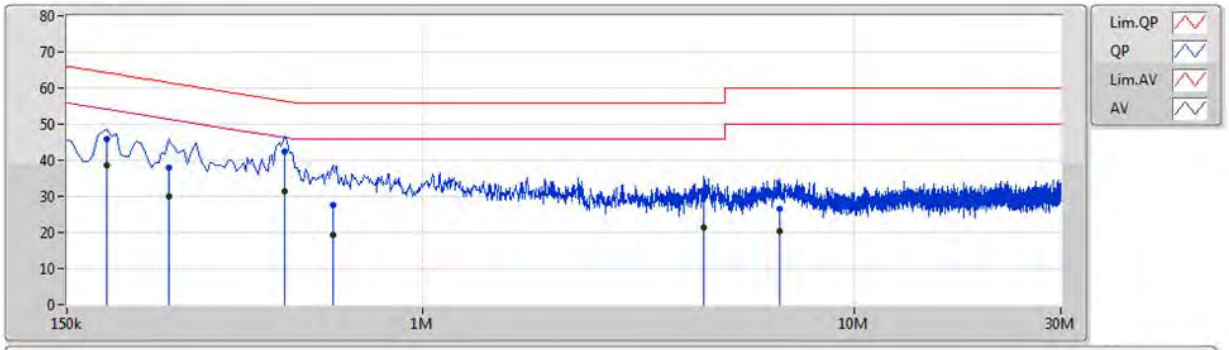
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Jan. 28, 2019	Jan. 29, 2020	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 24, 2018	Dec. 23, 2019	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Jan. 11, 2019	Jan. 10, 2020	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 21, 2019	May 20, 2020	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Bilog Antenna with 6dB Attenuator	TESE & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 28, 2019	Mar. 27, 2020	Radiation (03CH05-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 29, 2019	Mar. 28, 2020	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 02, 2019	May 01, 2020	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Jan. 31, 2019	Jan. 30, 2020	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	May 15, 2019	May 14, 2020	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	LOW Cable-04+23	30MHz~1GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1292	1GHz~18GHz	Jul. 20, 2018	Jul. 19, 2019	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1292	1GHz~18GHz	Jul. 17, 2019	Jul. 16, 2020	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 07, 2018	Jun. 06, 2019	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 12, 2019	Jun. 11, 2020	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	May 08, 2019	May 07, 2020	Radiation (03CH06-CB)
Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 04, 2018	Jul. 03, 2019	Radiation (03CH06-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 03, 2019	Jul. 02, 2020	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Oct. 03, 2018	Oct. 02, 2019	Radiation (03CH06-CB)
RF Cable-high	HUBER+ SUHNER	RG402	High Cable-05	1GHz~18GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH06-CB)
RF Cable-high	HUBER+ SUHNER	RG402	High Cable-05+24	1GHz~18GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH06-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Feb. 25, 2019	Feb. 24, 2020	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1126203	300MHz~40GHz	Sep. 03, 2018	Sep. 02, 2019	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1210004	300MHz~40GHz	Sep. 03, 2018	Sep. 02, 2019	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-3	1 GHz – 26.5 GHz	Oct. 24, 2018	Oct. 23, 2019	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH02-CB)

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

N.C.R. means Non-Calibration required.

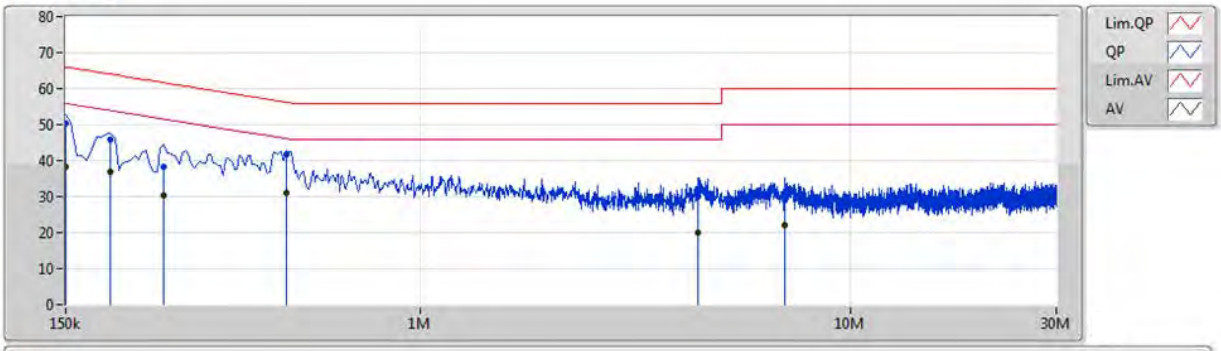
AC Power-line Conducted Emissions Result			
Operating Mode	3	**Power Phase**	Line
Operating Function	CTX		



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	186k	45.86	64.20	-18.34	10.17	Line	-	35.69	0.05	0.02	10.10
AV	186k	38.76	54.20	-15.44	10.17	Line	-	28.59	0.05	0.02	10.10
QP	258k	37.87	61.49	-23.62	10.17	Line	-	27.70	0.05	0.02	10.10
AV	258k	30.04	51.49	-21.45	10.17	Line	-	19.87	0.05	0.02	10.10
QP	478.5k	42.53	56.36	-13.83	10.18	Line	"Worst"	32.35	0.06	0.02	10.10
AV	478.5k	31.27	46.36	-15.09	10.18	Line	-	21.09	0.06	0.02	10.10
QP	618k	27.60	56.00	-28.40	10.18	Line	-	17.42	0.06	0.02	10.10
AV	618k	19.48	46.00	-26.52	10.18	Line	-	9.30	0.06	0.02	10.10
QP	4.479M	31.00	56.00	-25.00	10.30	Line	-	20.70	0.13	0.07	10.10
AV	4.479M	21.28	46.00	-24.72	10.30	Line	-	10.98	0.13	0.07	10.10
QP	6.698M	26.67	60.00	-33.33	10.35	Line	-	16.32	0.17	0.07	10.11
AV	6.698M	20.45	50.00	-29.55	10.35	Line	-	10.10	0.17	0.07	10.11

Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

AC Power-line Conducted Emissions Result			
Operating Mode	3	**Power Phase**	Neutral
Operating Function	CTX		



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	150k	50.31	66.00	-15.69	10.15	Neutral	-	40.16	0.03	0.02	10.10
AV	150k	38.43	56.00	-17.57	10.15	Neutral	-	28.28	0.03	0.02	10.10
QP	190.5k	45.83	64.01	-18.18	10.15	Neutral	-	35.68	0.03	0.02	10.10
AV	190.5k	36.89	54.01	-17.12	10.15	Neutral	-	26.74	0.03	0.02	10.10
QP	253.5k	38.17	61.64	-23.47	10.15	Neutral	-	28.02	0.03	0.02	10.10
AV	253.5k	30.45	51.64	-21.19	10.15	Neutral	-	20.30	0.03	0.02	10.10
QP	487.5k	41.86	56.21	-14.35	10.16	Neutral	"Worst"	31.70	0.04	0.02	10.10
AV	487.5k	30.95	46.21	-15.26	10.16	Neutral	-	20.79	0.04	0.02	10.10
QP	4.421M	30.03	56.00	-25.97	10.26	Neutral	-	19.77	0.09	0.07	10.10
AV	4.421M	20.17	46.00	-25.83	10.26	Neutral	-	9.91	0.09	0.07	10.10
QP	7.008M	28.93	60.00	-31.07	10.31	Neutral	-	18.62	0.13	0.07	10.11
AV	7.008M	22.20	50.00	-27.80	10.31	Neutral	-	11.89	0.13	0.07	10.11

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

For 2T1S
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	7.075M	11.269M	11M3G1D	6.525M	10.47M
802.11g_Nss1,(6Mbps)_2TX	16.35M	17.241M	17M2D1D	16.325M	16.567M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	19M	19.215M	19M2D1D	18.7M	18.966M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	37.6M	37.631M	37M6D1D	36.6M	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;

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	7.075M	10.92M	7.05M	11.269M
2437MHz	Pass	500k	6.525M	10.695M	7.025M	11.194M
2462MHz	Pass	500k	7.05M	10.47M	7.025M	10.57M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.592M	16.35M	16.567M
2437MHz	Pass	500k	16.325M	16.767M	16.325M	17.241M
2462MHz	Pass	500k	16.325M	16.592M	16.35M	16.592M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.925M	18.991M	19M	18.966M
2437MHz	Pass	500k	18.7M	19.115M	18.875M	19.215M
2462MHz	Pass	500k	18.95M	18.991M	18.95M	18.991M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.3M	37.581M	36.6M	37.431M
2437MHz	Pass	500k	37.6M	37.631M	37.15M	37.631M
2452MHz	Pass	500k	37.6M	37.631M	37.4M	37.531M

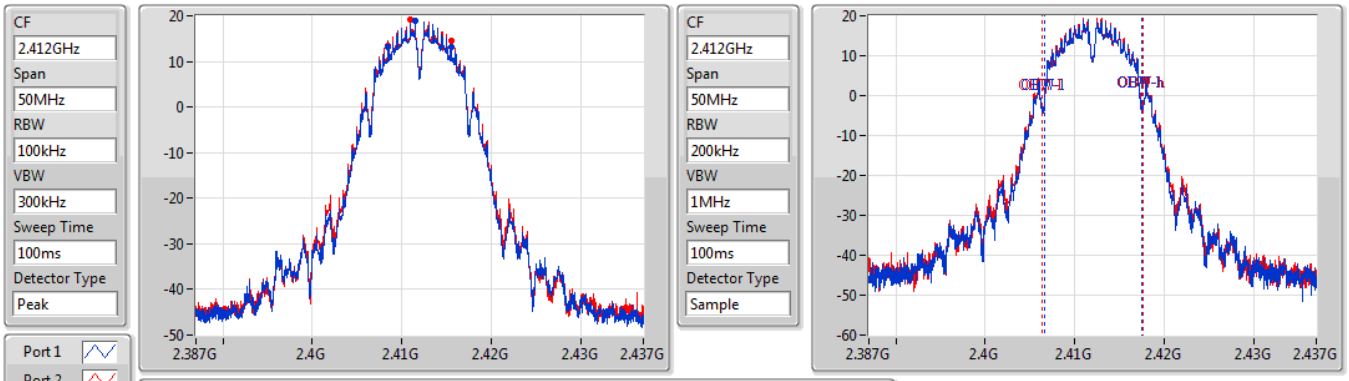
Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_2TX

EBW

2412MHz

21/06/2019



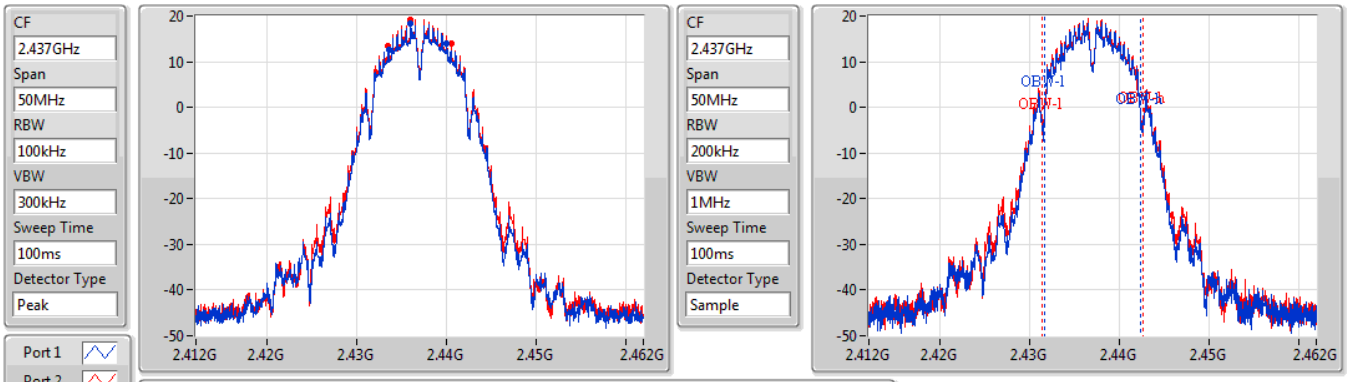
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.075M	2.408475G	2.41555G	10.92M	2.406578G	2.417497G	500k	1
7.05M	2.408475G	2.415525G	11.269M	2.406378G	2.417647G	500k	2

802.11b_Nss1,(1Mbps)_2TX

EBW

2437MHz

21/06/2019



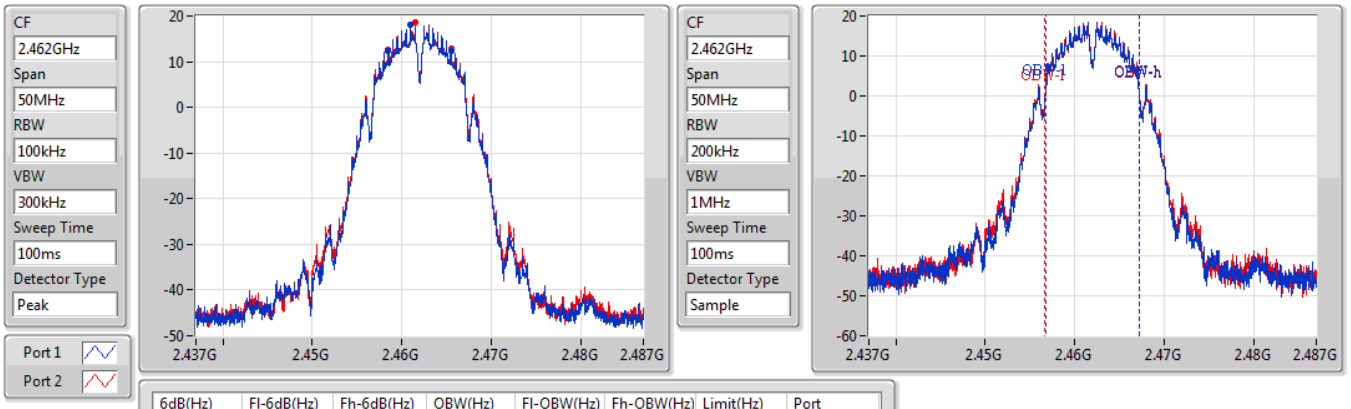
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
6.525M	2.433525G	2.44005G	10.695M	2.431703G	2.442397G	500k	1
7.025M	2.4335G	2.440525G	11.194M	2.431378G	2.442572G	500k	2

802.11b_Nss1,(1Mbps)_2TX

EBW

2462MHz

21/06/2019



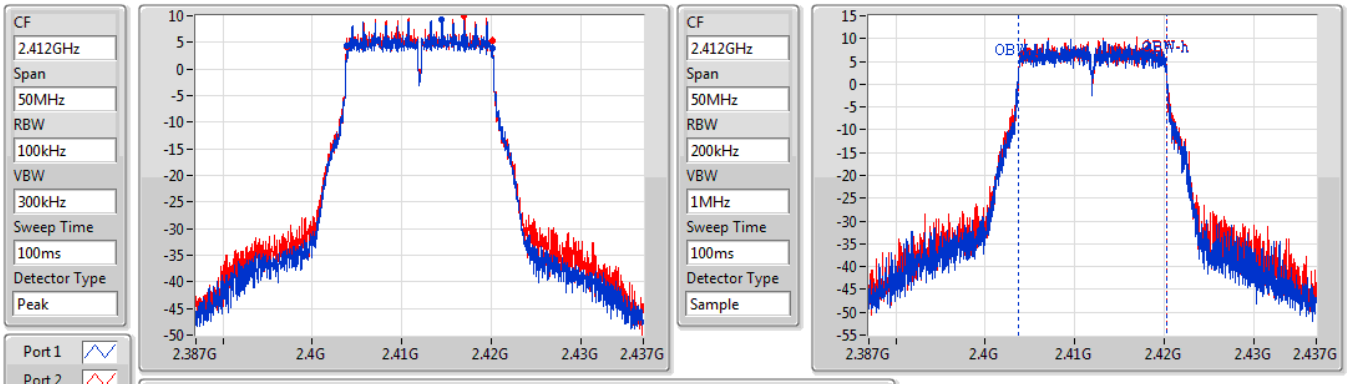
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.05M	2.458475G	2.465525G	10.47M	2.456753G	2.467222G	500k	1
7.025M	2.458475G	2.4655G	10.57M	2.456703G	2.467272G	500k	2

802.11g_Nss1,(6Mbps)_2TX

EBW

2412MHz

21/06/2019

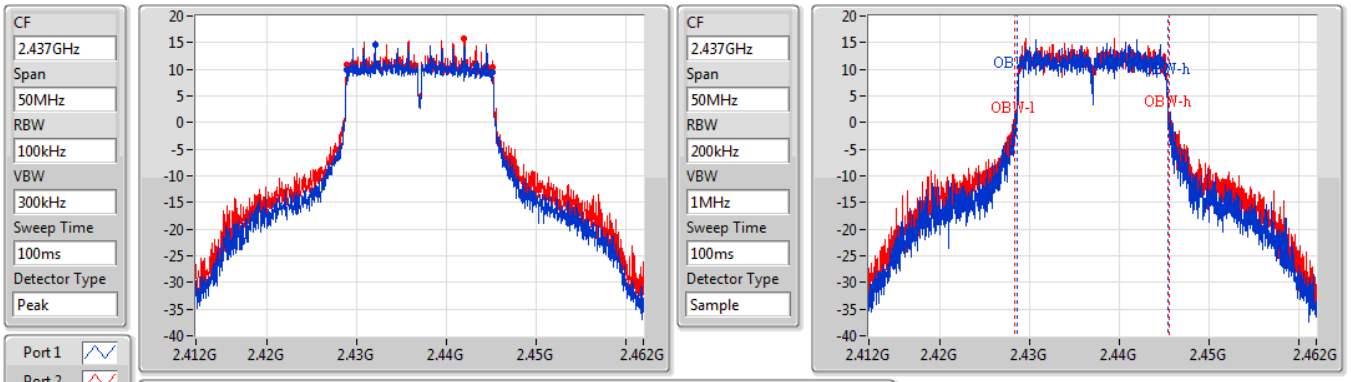


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.40385G	2.420175G	16.592M	2.403704G	2.420296G	500k	1
16.35M	2.403825G	2.420175G	16.567M	2.403704G	2.420271G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2437MHz

21/06/2019

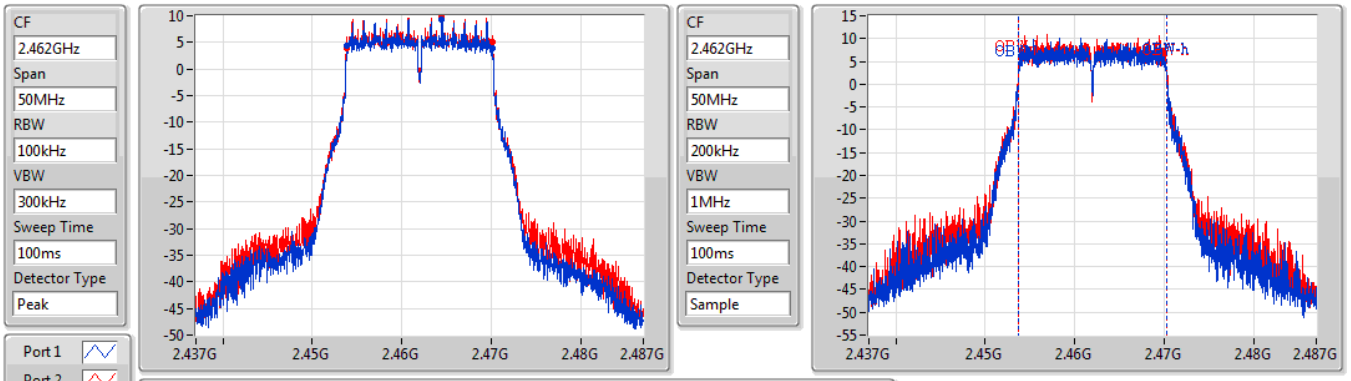


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.42885G	2.445175G	16.767M	2.428629G	2.445396G	500k	1
16.325M	2.42885G	2.445175G	17.241M	2.428354G	2.445596G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2462MHz

21/06/2019

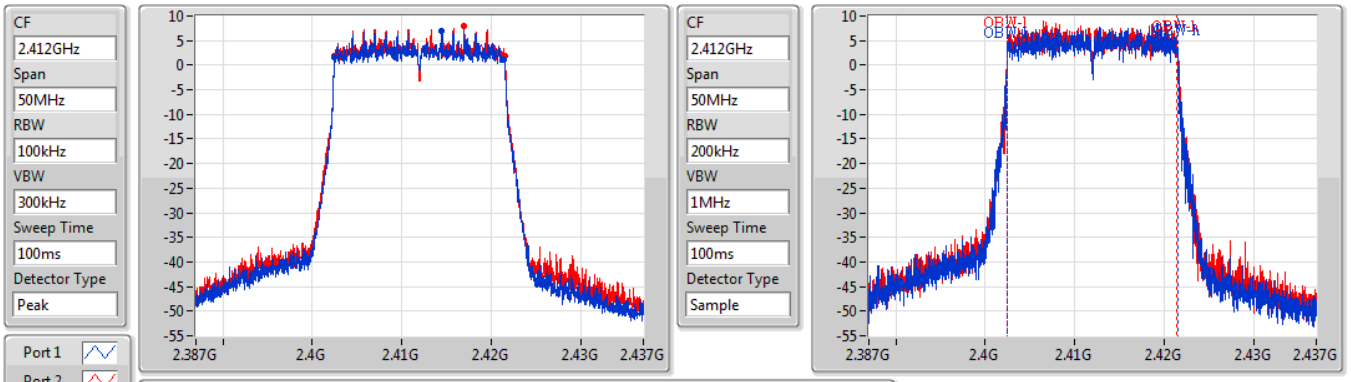


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.45385G	2.470175G	16.592M	2.453704G	2.470296G	500k	1
16.35M	2.453825G	2.470175G	16.592M	2.453704G	2.470296G	500k	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

2412MHz

21/06/2019

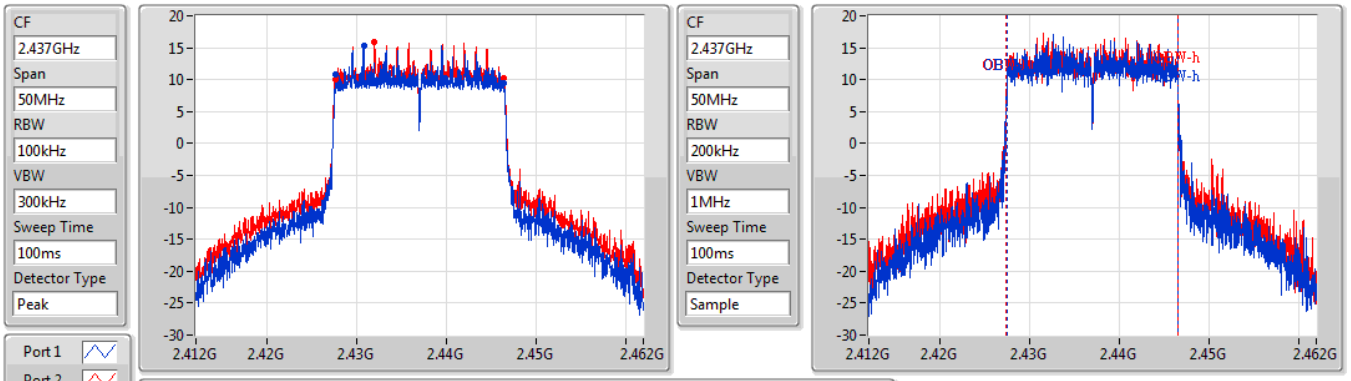


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.925M	2.402525G	2.42145G	18.991M	2.402505G	2.421495G	500k	1
19M	2.4025G	2.4215G	18.966M	2.402505G	2.42147G	500k	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

2437MHz

21/06/2019



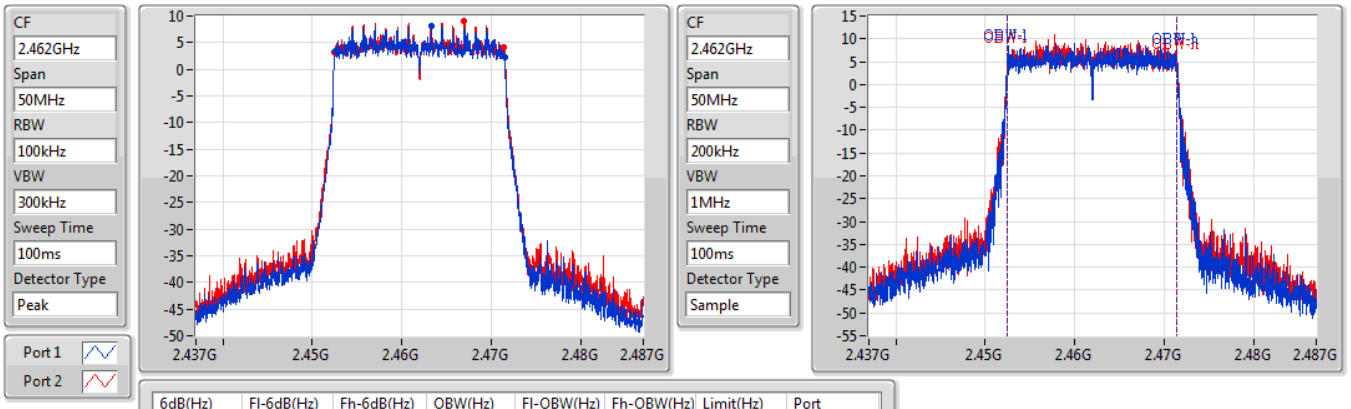
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.7M	2.42765G	2.44635G	19.115M	2.42743G	2.446545G	500k	1
18.875M	2.42755G	2.446425G	19.215M	2.427355G	2.44657G	500k	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

2462MHz

21/06/2019



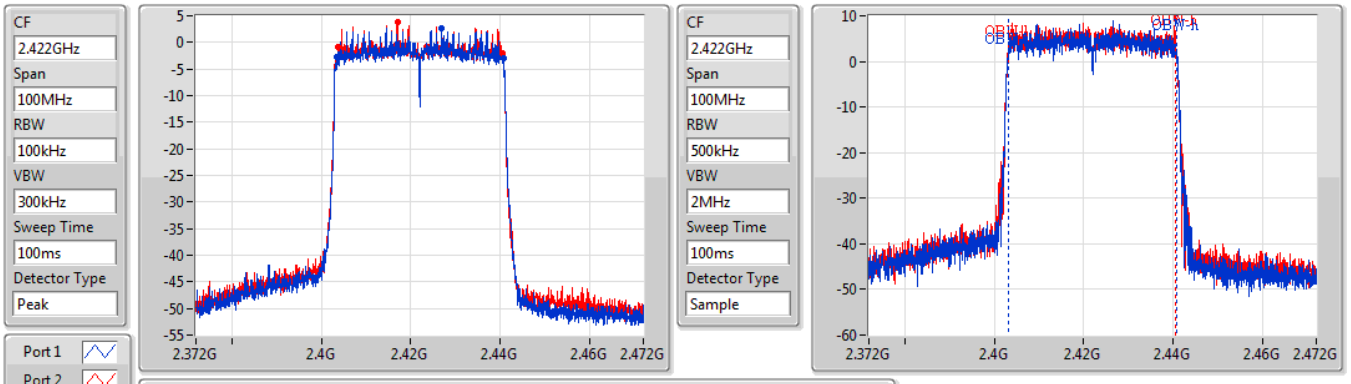
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.95M	2.45255G	2.4715G	18.991M	2.45248G	2.47147G	500k	1
18.95M	2.4525G	2.47145G	18.991M	2.45248G	2.47147G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

2422MHz

21/06/2019

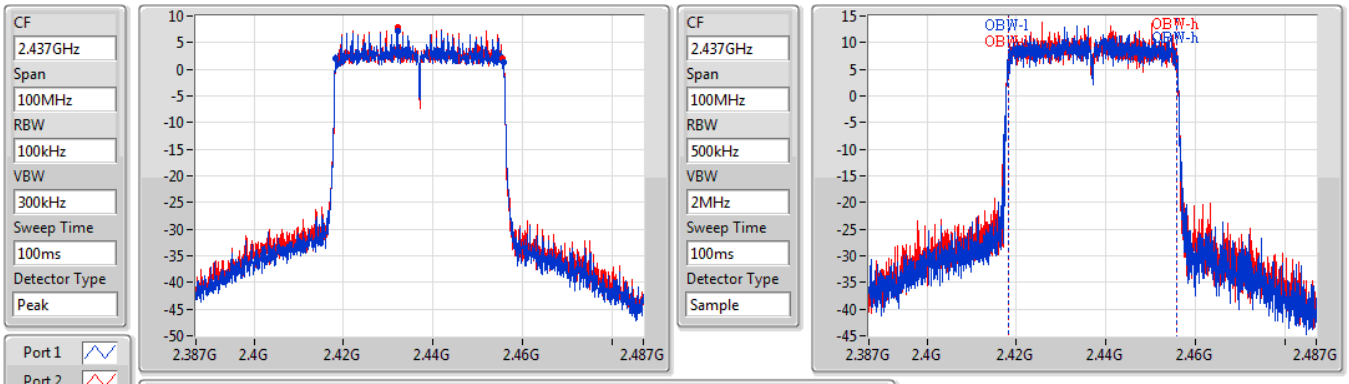


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.3M	2.40345G	2.44075G	37.581M	2.403209G	2.440791G	500k	1
36.6M	2.40385G	2.44045G	37.431M	2.403209G	2.440641G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2437MHz

21/06/2019

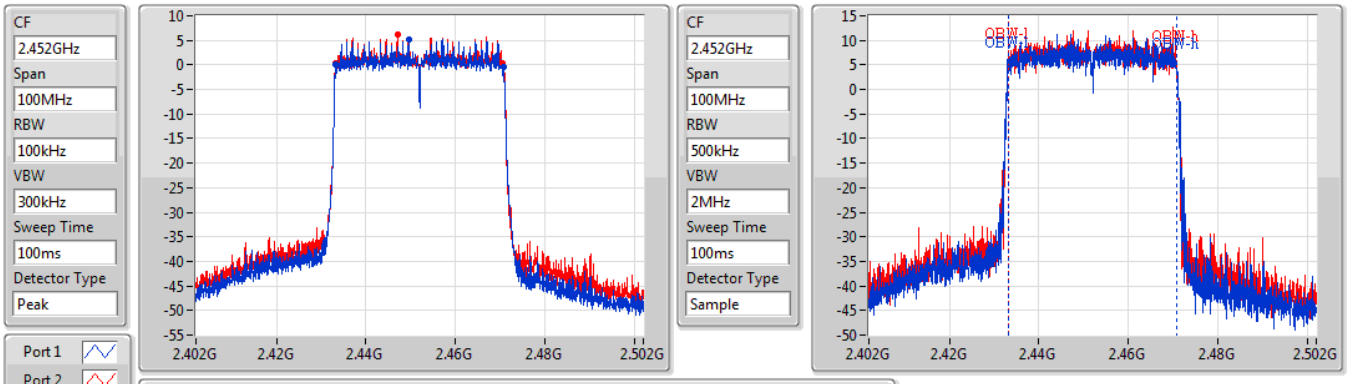


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.6M	2.4182G	2.4558G	37.631M	2.418159G	2.455791G	500k	1
37.15M	2.4184G	2.45555G	37.631M	2.418159G	2.455791G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2452MHz

21/06/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.6M	2.4332G	2.4708G	37.631M	2.433159G	2.470791G	500k	1
37.4M	2.43325G	2.47065G	37.531M	2.433209G	2.470741G	500k	2

For 2T2S
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	18.975M	19.14M	19M1D1D	18.85M	18.966M
802.11ax HEW40_Nss2,(MCS0)_2TX	37.6M	37.581M	37M6D1D	37M	37.531M

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

Result

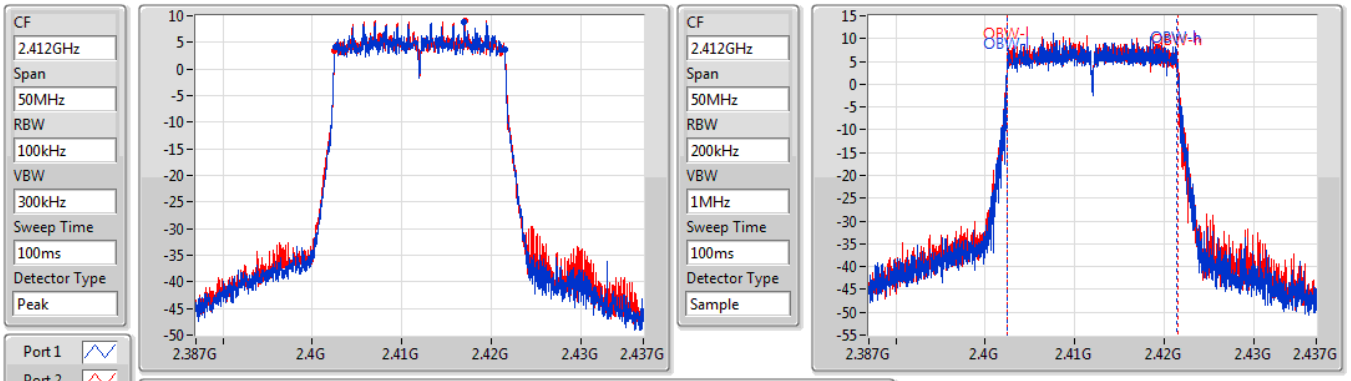
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.95M	18.966M	18.975M	18.991M
2437MHz	Pass	500k	18.95M	19.065M	18.85M	19.14M
2462MHz	Pass	500k	18.95M	19.015M	18.975M	18.991M
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.6M	37.581M	37.5M	37.531M
2437MHz	Pass	500k	37.3M	37.581M	37M	37.531M
2452MHz	Pass	500k	37.6M	37.531M	37.55M	37.531M

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

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

2412MHz

22/07/2019

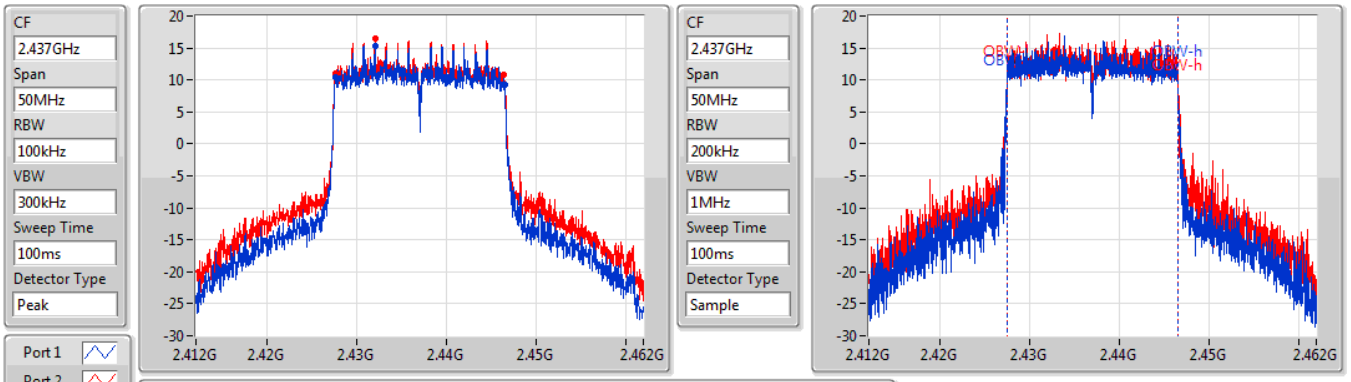


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.95M	2.40255G	2.4215G	18.966M	2.402505G	2.42147G	500k	1
18.975M	2.4025G	2.421475G	18.991M	2.402505G	2.421495G	500k	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

2437MHz

22/07/2019

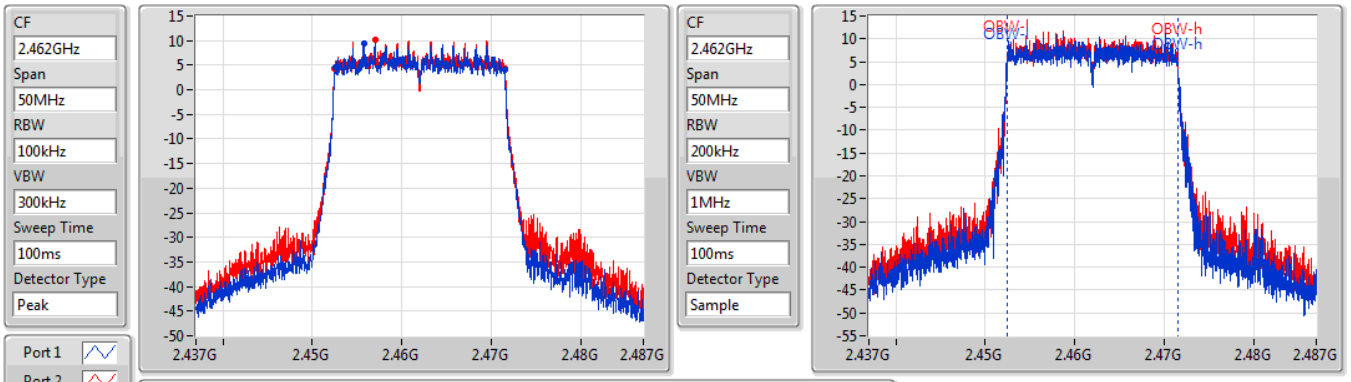


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.95M	2.42755G	2.4465G	19.065M	2.427455G	2.44652G	500k	1
18.85M	2.427575G	2.446425G	19.14M	2.42743G	2.44657G	500k	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

2462MHz

22/07/2019

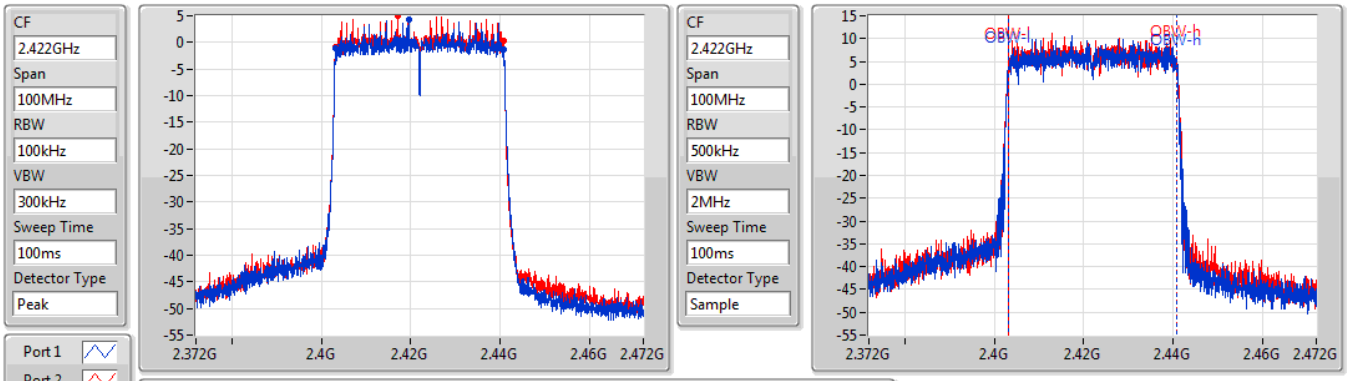


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.95M	2.45255G	2.4715G	19.015M	2.45248G	2.471495G	500k	1
18.975M	2.452525G	2.4715G	18.991M	2.452505G	2.471495G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

2422MHz

01/08/2019

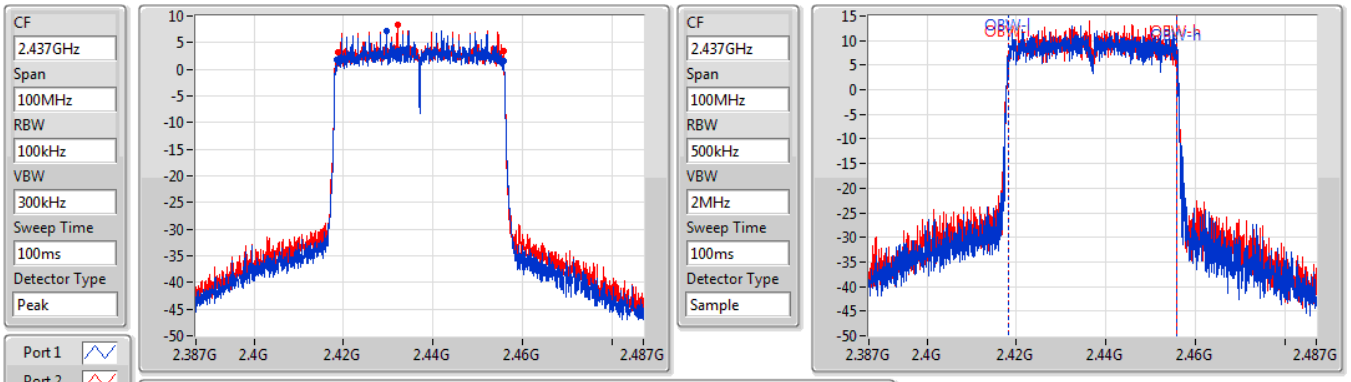


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.6M	2.4032G	2.4408G	37.581M	2.403209G	2.440791G	500k	1
37.5M	2.40325G	2.44075G	37.531M	2.403209G	2.440741G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

2437MHz

01/08/2019

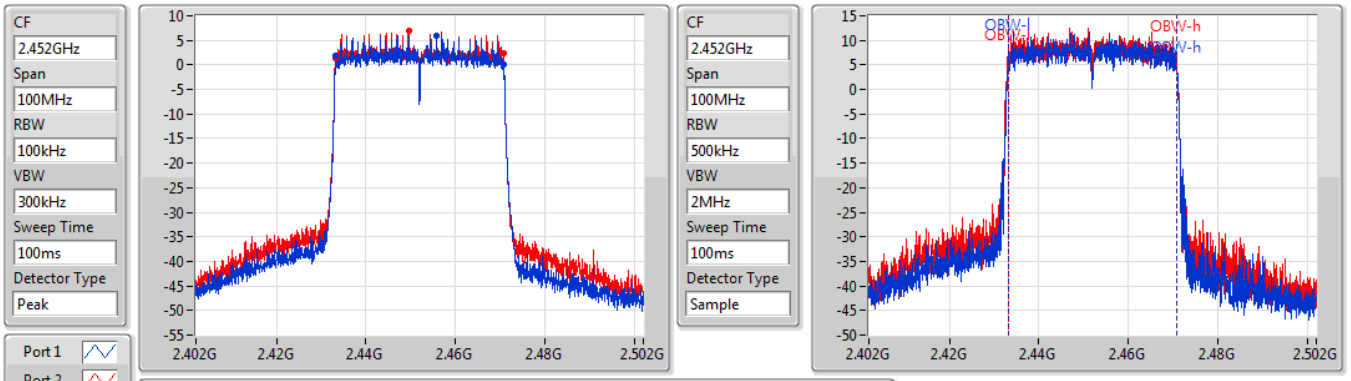


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.3M	2.41855G	2.45585G	37.581M	2.418209G	2.455791G	500k	1
37M	2.4188G	2.4558G	37.531M	2.418209G	2.455741G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

2452MHz

01/08/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.6M	2.43325G	2.47085G	37.531M	2.433159G	2.470691G	500k	1
37.55M	2.43325G	2.4708G	37.531M	2.433159G	2.470691G	500k	2

For 2T1S
Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	29.99	0.99770
802.11g_Nss1,(6Mbps)_2TX	29.51	0.89331
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	29.91	0.97949
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	25.04	0.31915

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.82	26.73	27.22	29.99	30.00
2437MHz	Pass	1.82	26.38	26.88	29.65	30.00
2462MHz	Pass	1.82	25.92	26.07	29.01	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.82	21.01	21.60	24.33	30.00
2417MHz	Pass	1.82	23.09	23.51	26.32	30.00
2437MHz	Pass	1.82	26.16	26.81	29.51	30.00
2457MHz	Pass	1.82	23.11	23.42	26.28	30.00
2462MHz	Pass	1.82	21.08	21.80	24.47	30.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.70	19.16	19.77	22.49	30.00
2417MHz	Pass	4.70	22.05	22.41	25.24	30.00
2437MHz	Pass	4.70	26.61	27.17	29.91	30.00
2457MHz	Pass	4.70	22.10	22.63	25.38	30.00
2462MHz	Pass	4.70	20.00	20.84	23.45	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.70	17.48	18.05	20.78	30.00
2427MHz	Pass	4.70	18.72	19.00	21.87	30.00
2437MHz	Pass	4.70	21.85	22.21	25.04	30.00
2452MHz	Pass	4.70	19.97	20.62	23.32	30.00

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

For 2T2S
Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	29.90	0.97724
802.11ax HEW40_Nss2,(MCS0)_2TX	25.18	0.32961

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.82	20.34	20.70	23.53	30.00
2417MHz	Pass	1.82	22.80	23.55	26.20	30.00
2437MHz	Pass	1.82	26.56	27.20	29.90	30.00
2457MHz	Pass	1.82	22.85	23.40	26.14	30.00
2462MHz	Pass	1.82	21.06	21.77	24.44	30.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	1.82	18.95	19.48	22.23	30.00
2427MHz	Pass	1.82	20.16	20.45	23.32	30.00
2437MHz	Pass	1.82	21.90	22.42	25.18	30.00
2452MHz	Pass	1.82	20.47	21.23	23.88	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	7.08
802.11g_Nss1,(6Mbps)_2TX	4.17
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	2.96
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-3.46

RBW=3 kHz.

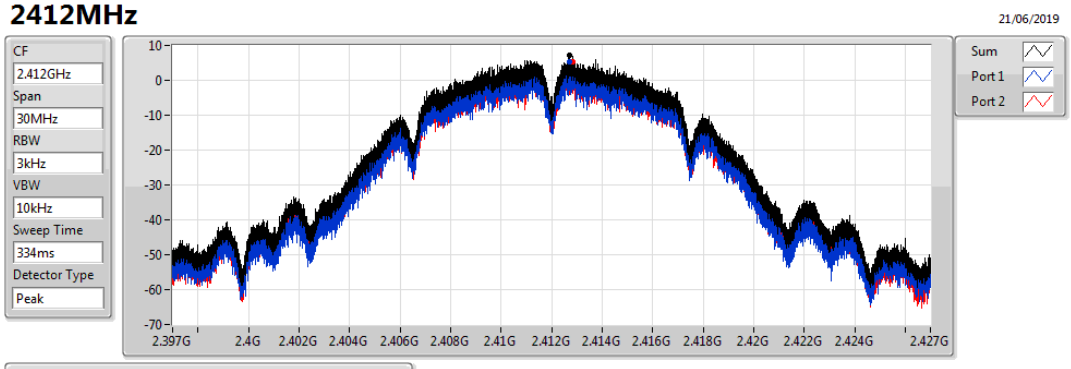
Result

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	4.70	5.34	5.37	7.08	8.00
2437MHz	Pass	4.70	4.69	3.75	6.17	8.00
2462MHz	Pass	4.70	3.05	4.77	5.79	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.70	-4.87	-4.39	-1.62	8.00
2437MHz	Pass	4.70	1.38	0.93	4.17	8.00
2462MHz	Pass	4.70	-4.66	-4.31	-1.54	8.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.70	-6.80	-7.11	-4.60	8.00
2437MHz	Pass	4.70	0.01	0.21	2.96	8.00
2462MHz	Pass	4.70	-6.61	-5.67	-3.55	8.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.70	-10.84	-9.44	-7.07	8.00
2437MHz	Pass	4.70	-6.13	-6.26	-3.46	8.00
2452MHz	Pass	4.70	-8.06	-7.30	-4.65	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;

802.11b_Nss1,(1Mbps)_2TX PSD

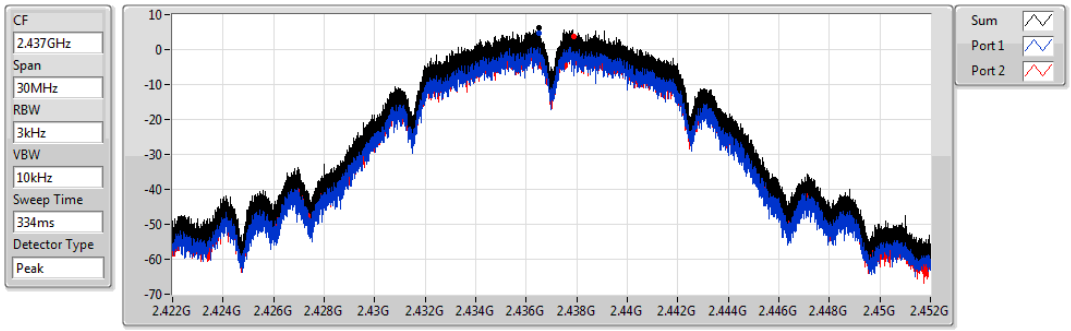
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.08	7.08	5.34	5.37

802.11b_Nss1,(1Mbps)_2TX PSD

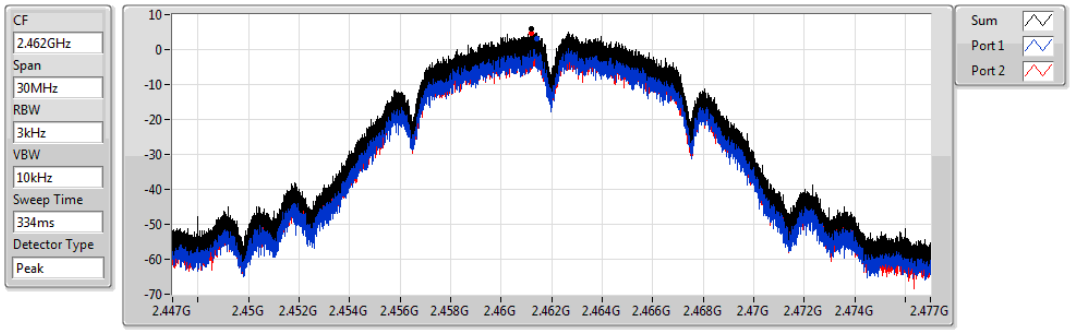
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.17	6.17	4.69	3.75

802.11b_Nss1,(1Mbps)_2TX PSD

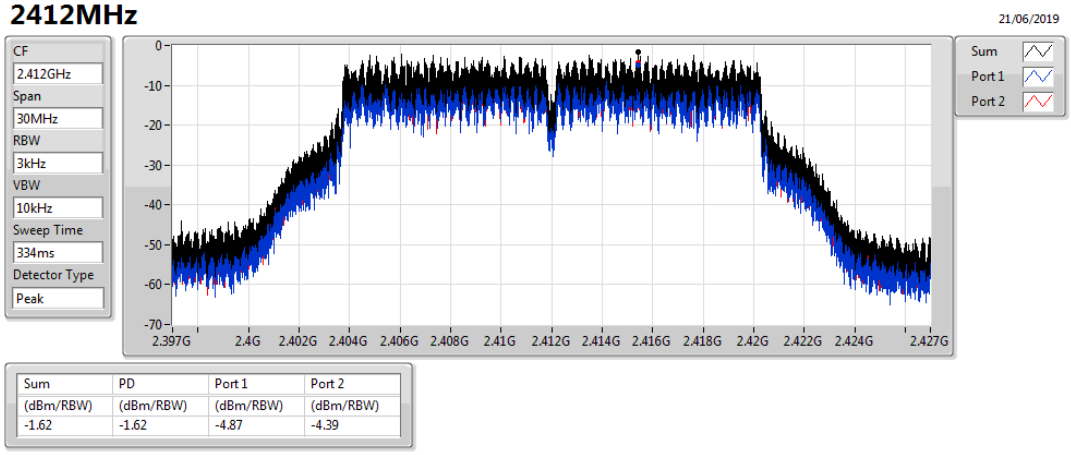
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.79	5.79	3.05	4.77

802.11g_Nss1,(6Mbps)_2TX PSD

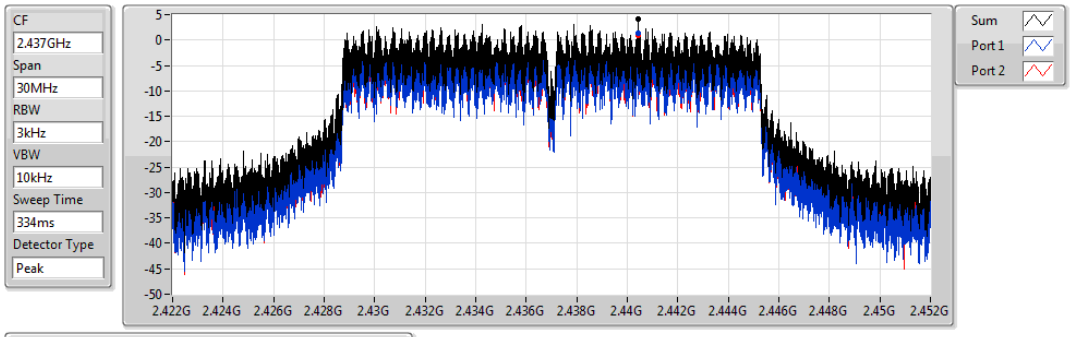
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.62	-1.62	-4.87	-4.39

802.11g_Nss1,(6Mbps)_2TX PSD

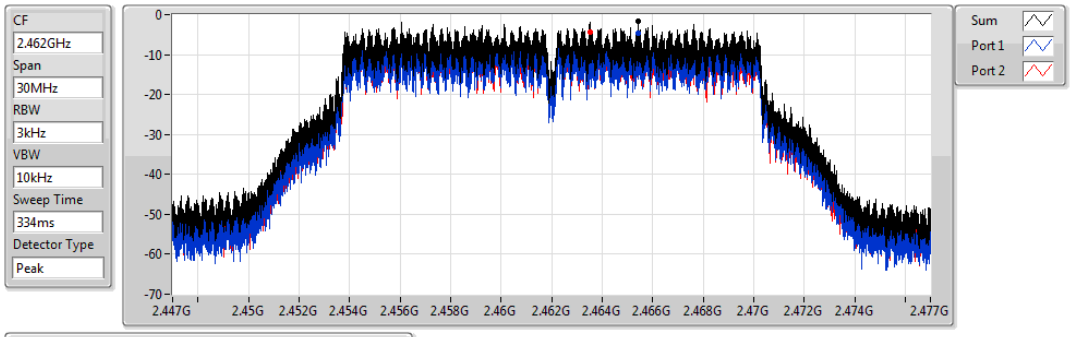
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.17	4.17	1.38	0.93

802.11g_Nss1,(6Mbps)_2TX PSD

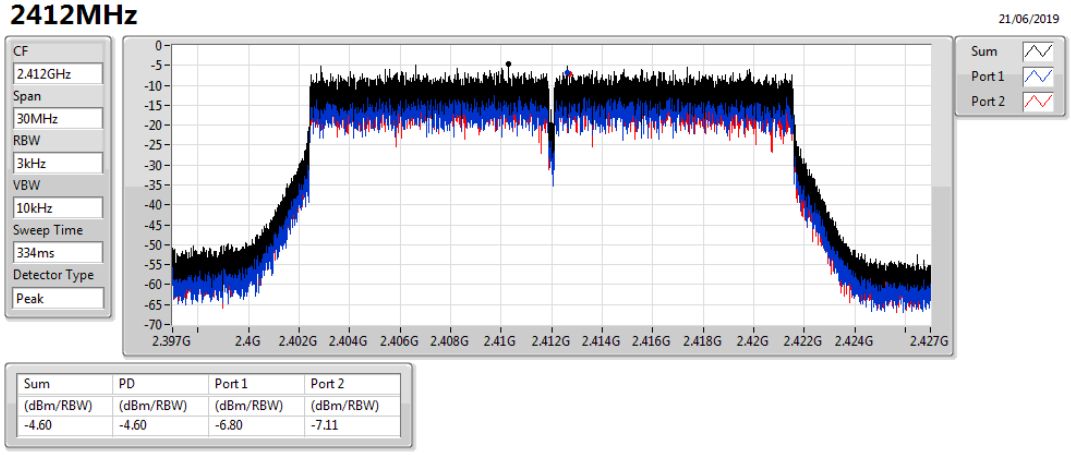
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.54	-1.54	-4.66	-4.31

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

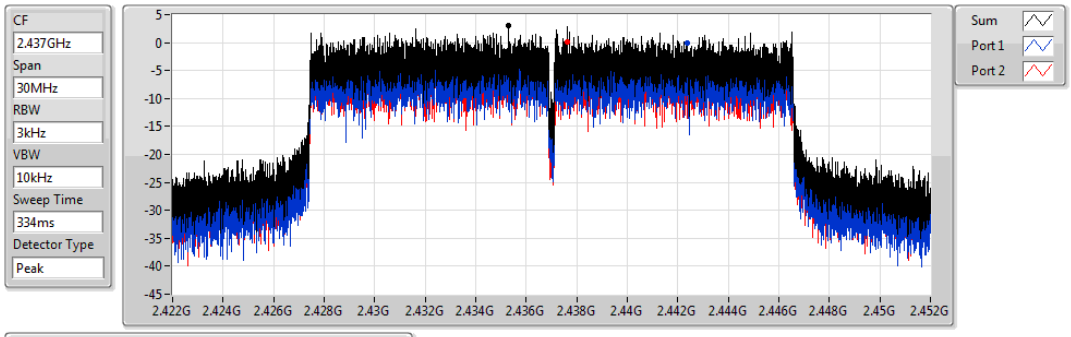
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.60	-4.60	-6.80	-7.11

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

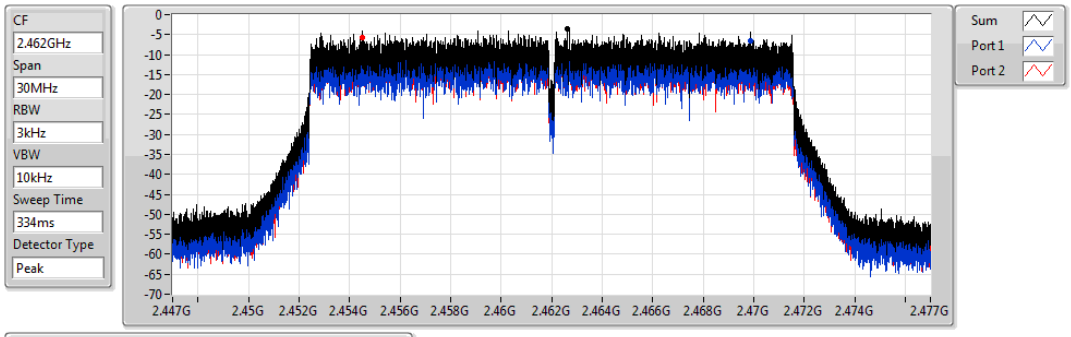
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.96	2.96	0.01	0.21

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

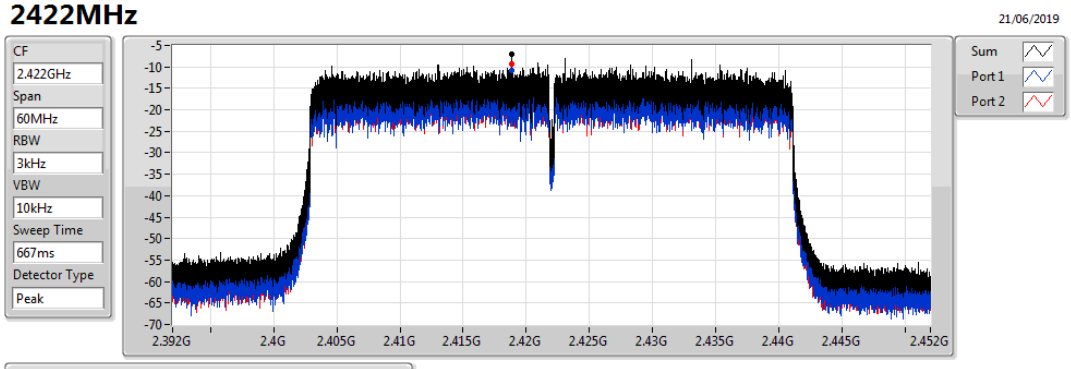
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.55	-3.55	-6.61	-5.67

802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

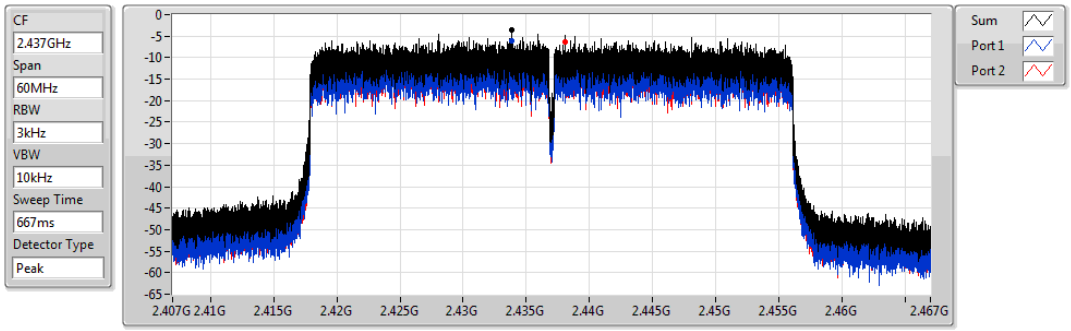
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.07	-7.07	-10.84	-9.44

802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

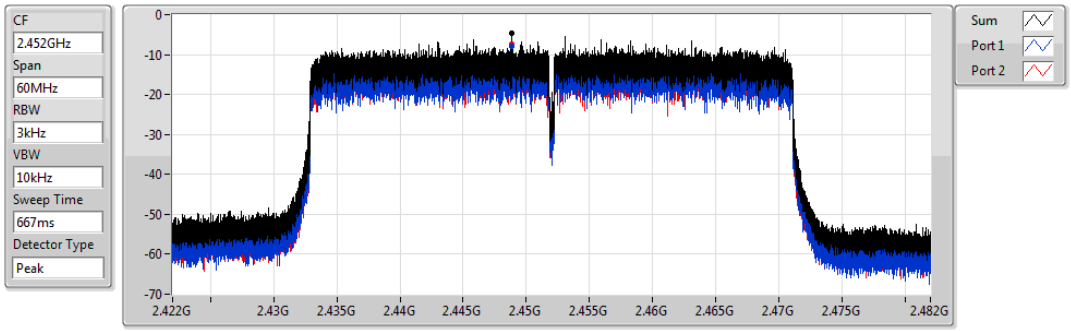
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.46	-3.46	-6.13	-6.26

802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.65	-4.65	-8.06	-7.30

For 2T2S
Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	-3.41
802.11ax HEW40_Nss2,(MCS0)_2TX	-3.53

RBW=3 kHz.

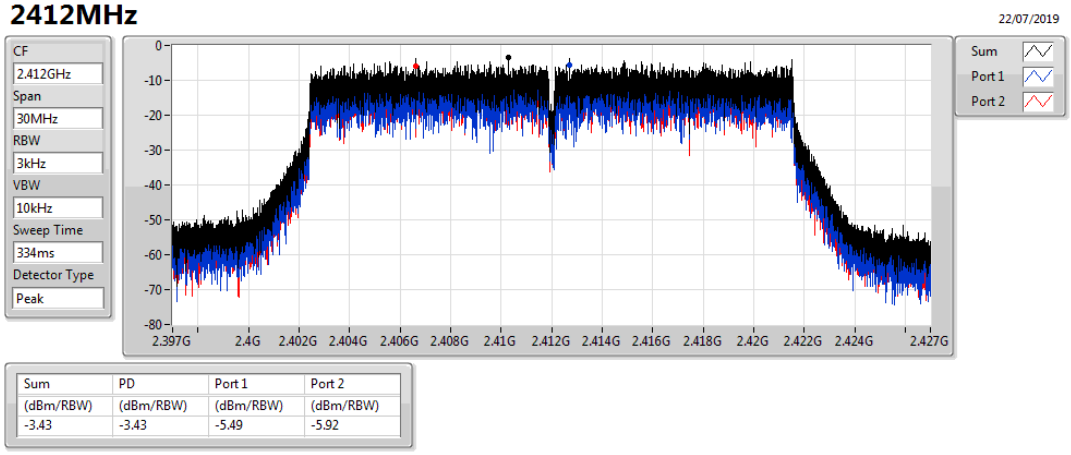
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.82	-5.49	-5.92	-3.43	8.00
2437MHz	Pass	1.82	-19.83	-19.71	-17.65	8.00
2462MHz	Pass	1.82	-4.78	-5.20	-3.41	8.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	1.82	-9.76	-9.46	-6.60	8.00
2437MHz	Pass	1.82	-5.61	-5.92	-3.53	8.00
2452MHz	Pass	1.82	-7.26	-7.96	-5.92	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;

802.11ax HEW20_Nss2,(MCS0)_2TX PSD

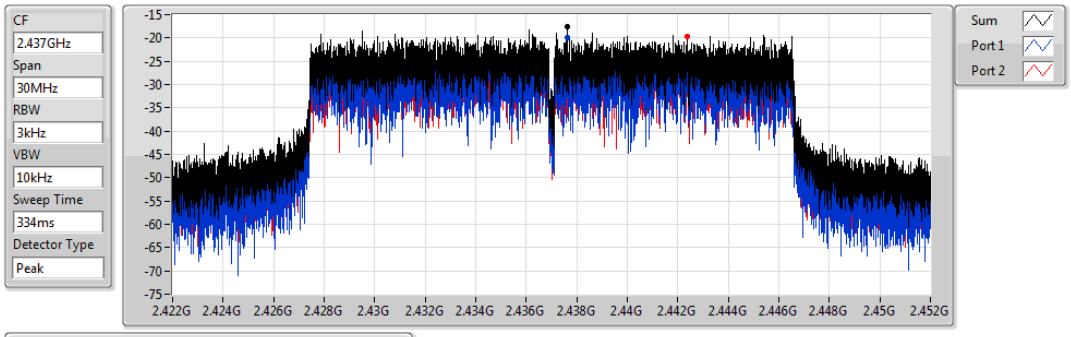
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.43	-3.43	-5.49	-5.92

802.11ax HEW20_Nss2,(MCS0)_2TX PSD

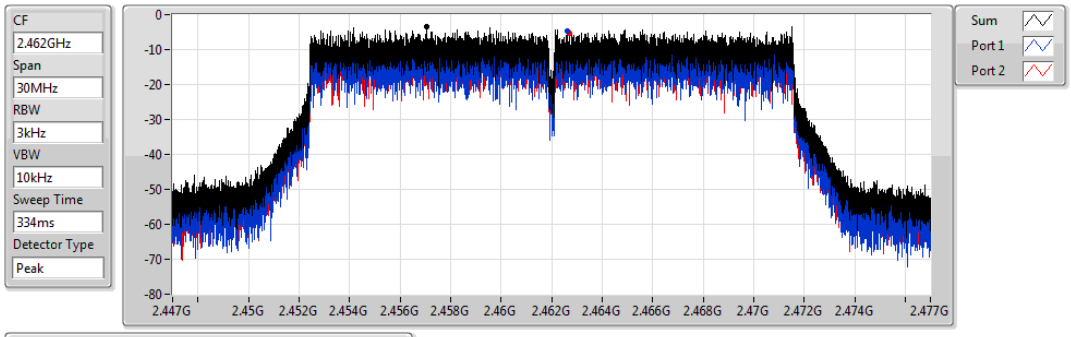
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-17.65	-17.65	-19.83	-19.71

802.11ax HEW20_Nss2,(MCS0)_2TX PSD

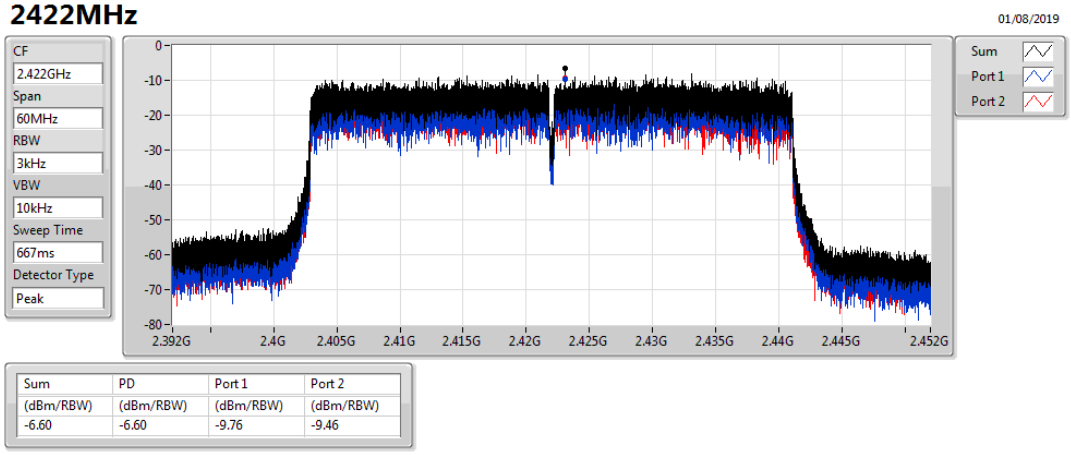
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.41	-3.41	-4.78	-5.20

802.11ax HEW40_Nss2,(MCS0)_2TX PSD

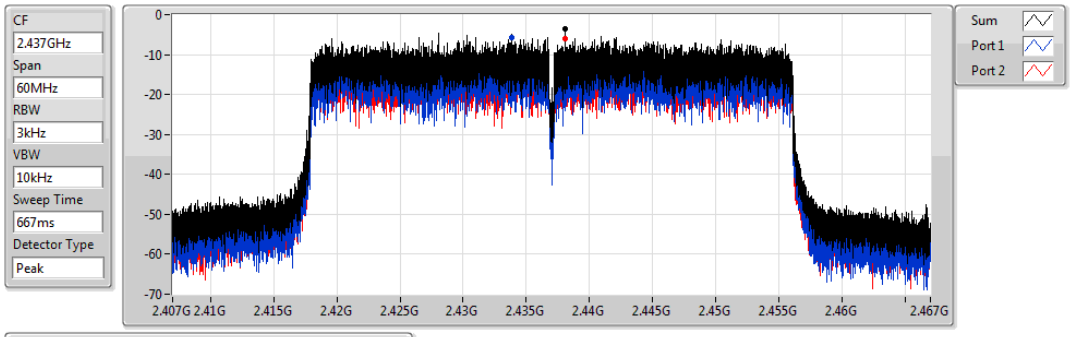
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.60	-6.60	-9.76	-9.46

802.11ax HEW40_Nss2,(MCS0)_2TX PSD

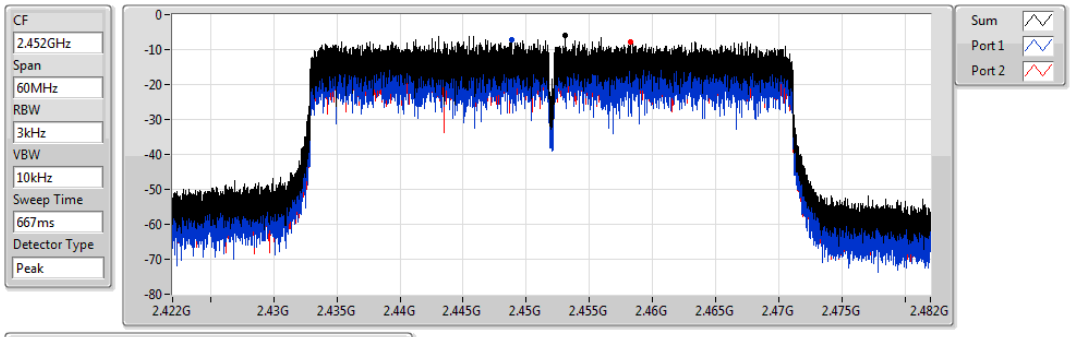
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.53	-3.53	-5.61	-5.92

802.11ax HEW40_Nss2,(MCS0)_2TX PSD

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.92	-5.92	-7.26	-7.96

For 2T1S
Summary

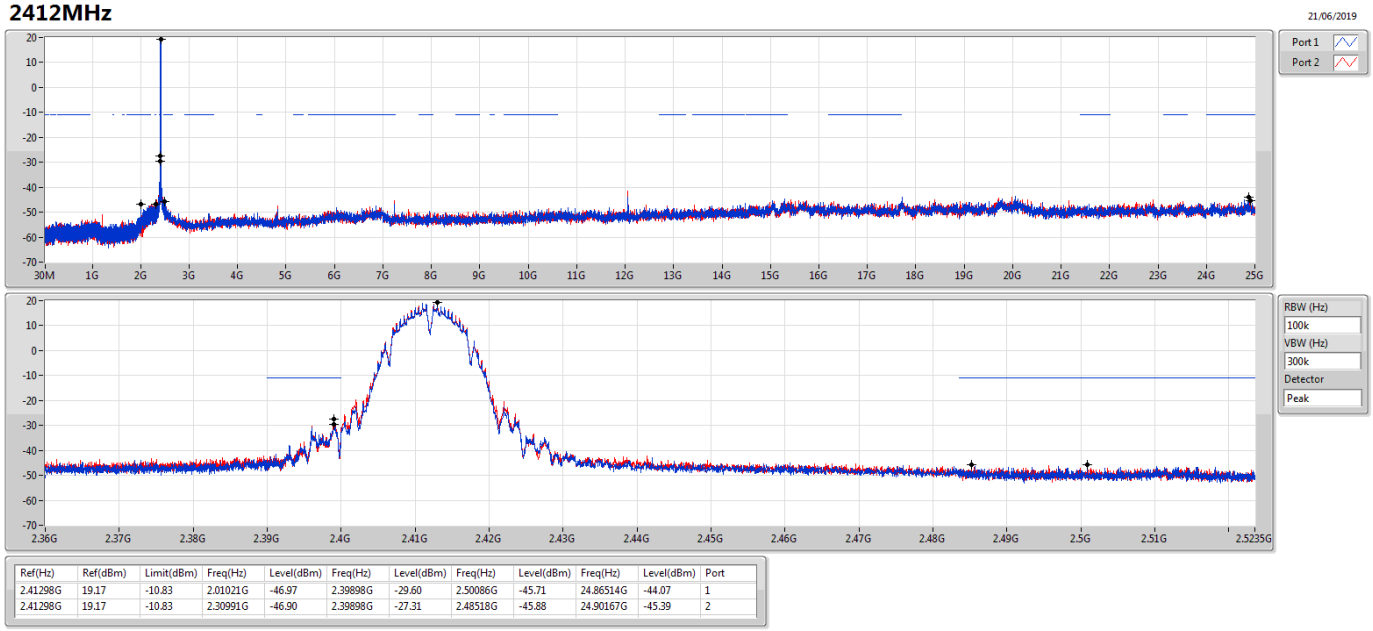
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.41298G	19.17	-10.83	2.30991G	-46.90	2.39898G	-27.31	2.48518G	-45.88	24.90167G	-45.39	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43198G	15.74	-14.26	2.18088G	-49.76	2.3989G	-28.16	2.49772G	-48.32	17.69795G	-45.73	2
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	Pass	2.43202G	15.72	-14.28	2.03089G	-46.91	2.39794G	-32.55	2.48502G	-40.74	17.69514G	-45.07	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	Pass	2.43202G	7.68	-22.32	2.16199G	-48.67	2.39824G	-32.86	2.48442G	-40.70	17.6857G	-45.17	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.41298G	19.17	-10.83	2.01021G	-46.97	2.39898G	-29.60	2.50086G	-45.71	24.86514G	-44.07	1
2412MHz	Pass	2.41298G	19.17	-10.83	2.30991G	-46.90	2.39898G	-27.31	2.48518G	-45.88	24.90167G	-45.39	2
2437MHz	Pass	2.41298G	19.17	-10.83	2.03089G	-45.30	2.3958G	-44.42	2.48378G	-45.12	24.47461G	-44.95	1
2437MHz	Pass	2.41298G	19.17	-10.83	2.30612G	-48.33	2.39808G	-44.09	2.50114G	-44.51	17.69795G	-45.07	2
2462MHz	Pass	2.41298G	19.17	-10.83	2.05186G	-43.36	2.39144G	-45.99	2.4878G	-43.89	15.04291G	-45.27	1
2462MHz	Pass	2.41298G	19.17	-10.83	1.64149G	-39.14	2.39788G	-44.05	2.4887G	-43.14	3.28208G	-40.83	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43198G	15.74	-14.26	2.14651G	-48.24	2.39994G	-31.42	2.49388G	-48.30	15.2761G	-44.94	1
2412MHz	Pass	2.43198G	15.74	-14.26	2.18088G	-49.76	2.3989G	-28.16	2.49772G	-48.32	17.69795G	-45.73	2
2437MHz	Pass	2.43198G	15.74	-14.26	2.03089G	-45.81	2.39914G	-38.48	2.48482G	-43.35	24.81738G	-45.87	1
2437MHz	Pass	2.43198G	15.74	-14.26	2.18583G	-46.07	2.39734G	-35.87	2.48448G	-40.48	14.71419G	-45.24	2
2462MHz	Pass	2.43198G	15.74	-14.26	2.05186G	-47.05	2.39824G	-47.55	2.48352G	-40.36	15.04572G	-45.79	1
2462MHz	Pass	2.43198G	15.74	-14.26	2.05186G	-48.37	2.39672G	-47.19	2.4839G	-36.43	3.28208G	-40.88	2
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43202G	15.72	-14.28	2.1538G	-49.49	2.39888G	-37.08	2.49996G	-49.79	24.92976G	-44.30	1
2412MHz	Pass	2.43202G	15.72	-14.28	2.19952G	-50.71	2.39468G	-35.88	2.50058G	-49.33	15.05696G	-45.35	2
2437MHz	Pass	2.43202G	15.72	-14.28	2.03089G	-43.20	2.39794G	-34.10	2.48438G	-41.27	15.05134G	-45.58	1
2437MHz	Pass	2.43202G	15.72	-14.28	2.03089G	-46.91	2.39794G	-32.55	2.48502G	-40.74	17.69514G	-45.07	2
2462MHz	Pass	2.43202G	15.72	-14.28	2.05186G	-46.64	2.39784G	-48.47	2.48362G	-41.84	24.1487G	-45.13	1
2462MHz	Pass	2.43202G	15.72	-14.28	2.30175G	-48.51	2.39804G	-47.81	2.4836G	-39.62	3.28208G	-40.39	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43202G	7.68	-22.32	2.12506G	-50.11	2.3978G	-41.23	2.51078G	-49.50	17.68851G	-44.80	1
2422MHz	Pass	2.43202G	7.68	-22.32	2.15312G	-50.25	2.39864G	-41.14	2.48514G	-49.40	15.06624G	-45.59	2
2437MHz	Pass	2.43202G	7.68	-22.32	2.16199G	-48.67	2.39824G	-32.86	2.48442G	-40.70	17.6857G	-45.17	1
2437MHz	Pass	2.43202G	7.68	-22.32	2.30139G	-47.87	2.39804G	-33.21	2.48698G	-40.50	15.09709G	-44.85	2
2452MHz	Pass	2.43202G	7.68	-22.32	2.16113G	-49.56	2.39828G	-44.84	2.49014G	-41.59	14.99893G	-45.42	1
2452MHz	Pass	2.43202G	7.68	-22.32	2.16085G	-48.93	2.39948G	-45.64	2.4889G	-39.46	3.26745G	-39.99	2

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

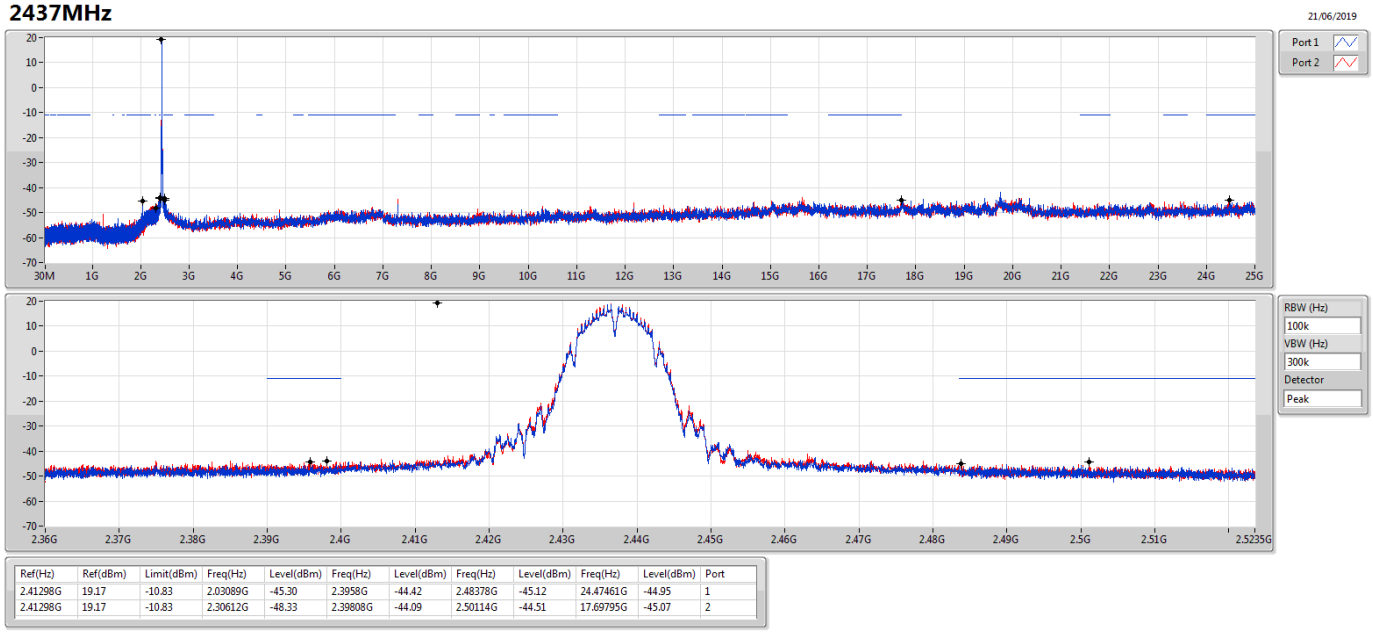
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41298G	19.17	-10.83	2.01021G	-46.97	2.39898G	-29.60	2.50086G	-45.71	24.86514G	-44.07	1
2.41298G	19.17	-10.83	2.30991G	-46.90	2.39898G	-27.31	2.48518G	-45.88	24.90167G	-45.39	2

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

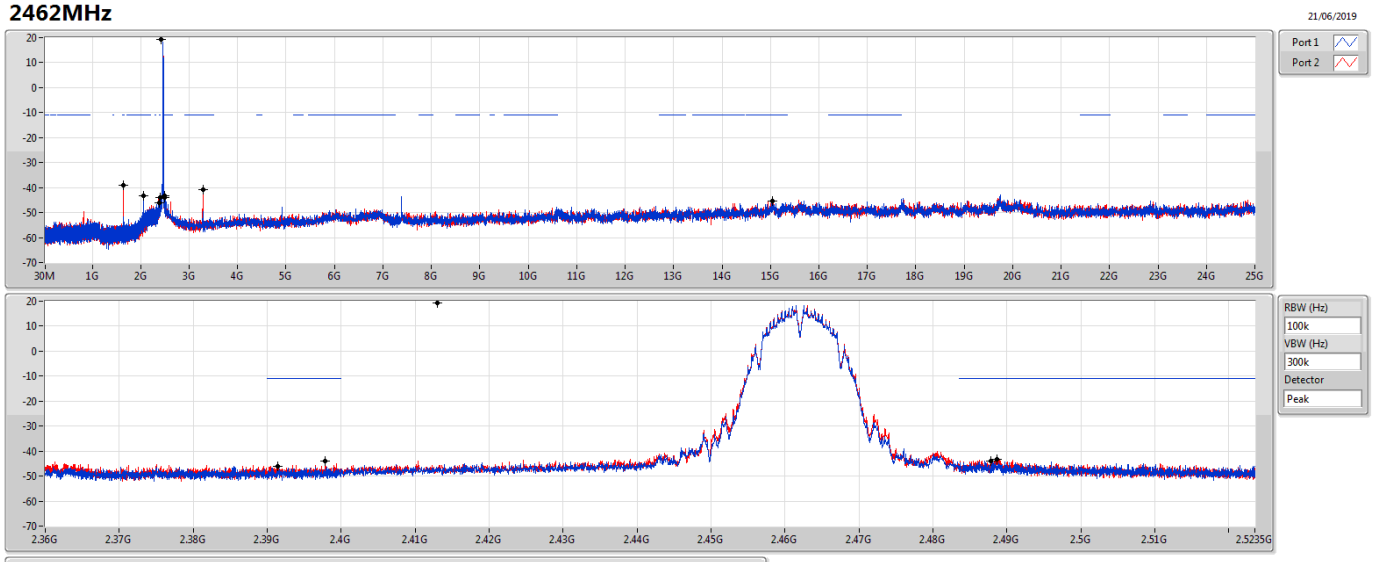
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41298G	19.17	-10.83	2.03089G	-45.30	2.3958G	-44.42	2.48378G	-45.12	24.47461G	-44.95	1
2.41298G	19.17	-10.83	2.30612G	-48.33	2.39808G	-44.09	2.50114G	-44.51	17.69795G	-45.07	2

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

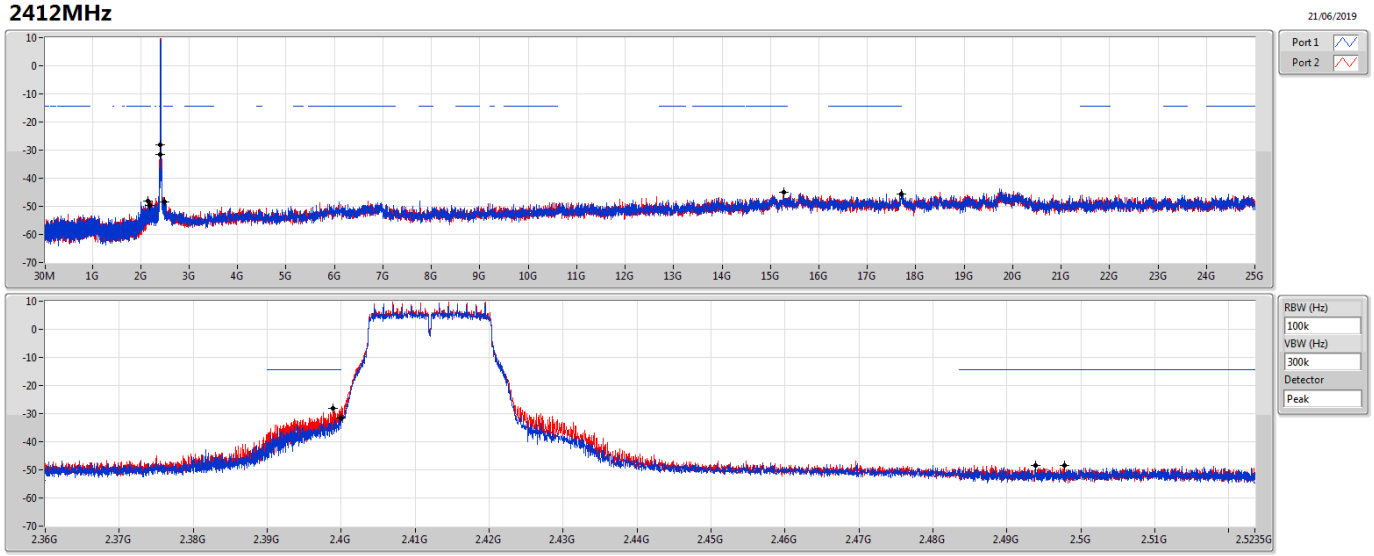
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41298G	19.17	-10.83	2.05186G	-43.36	2.39144G	-45.99	2.4878G	-43.89	15.04291G	-45.27	1
2.41298G	19.17	-10.83	1.64149G	-39.14	2.39788G	-44.05	2.4887G	-43.14	3.28208G	-40.83	2

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

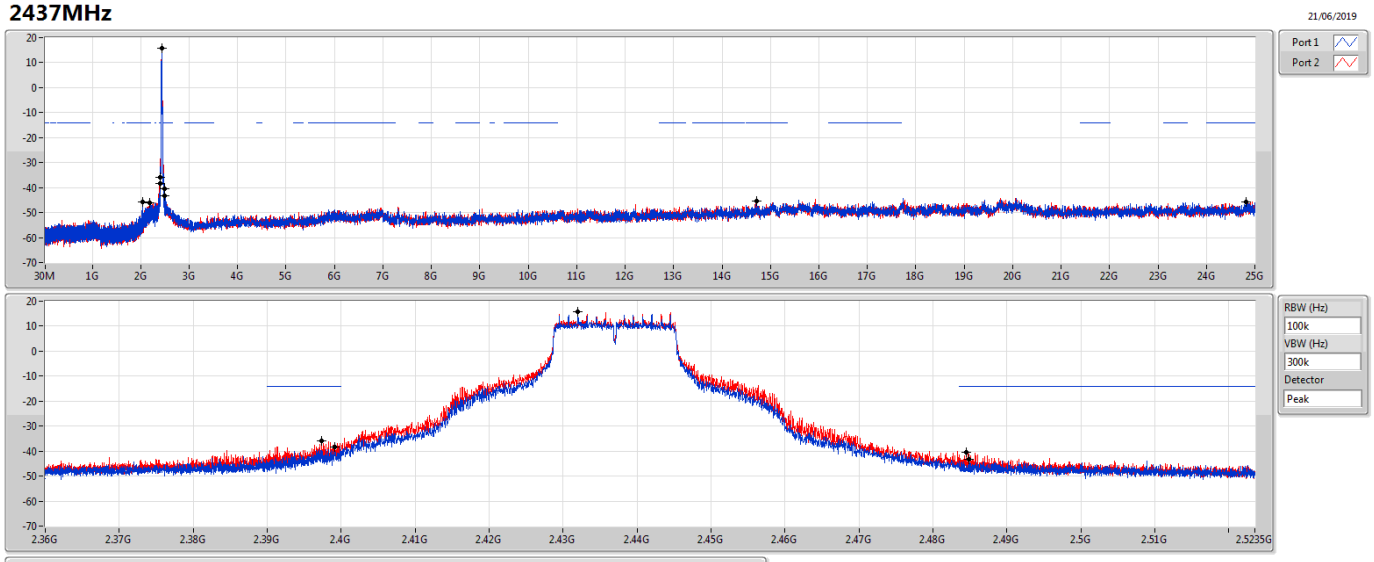
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	15.74	-14.26	2.14651G	-48.24	2.39994G	-31.42	2.49388G	-48.30	15.2761G	-44.94	1
2.43198G	15.74	-14.26	2.18088G	-49.76	2.3989G	-28.16	2.49772G	-48.32	17.69795G	-45.73	2

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

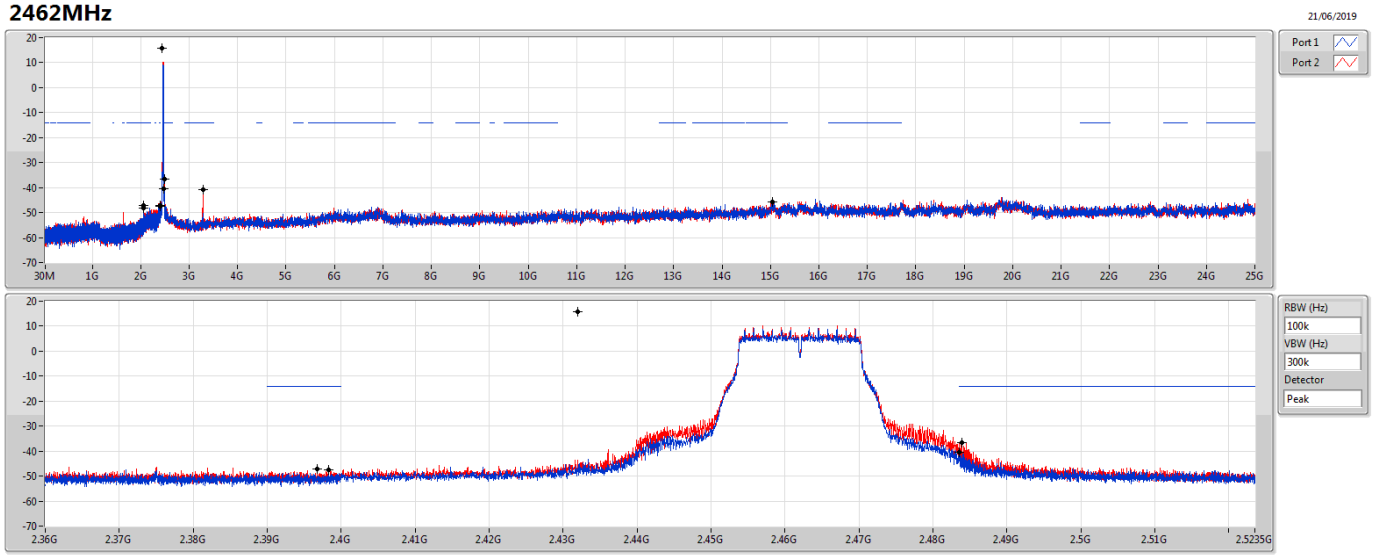
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	15.74	-14.26	2.03089G	-45.81	2.39914G	-38.48	2.48482G	-43.35	24.81738G	-45.87	1
2.43198G	15.74	-14.26	2.18583G	-46.07	2.39734G	-35.87	2.48448G	-40.48	14.71419G	-45.24	2

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

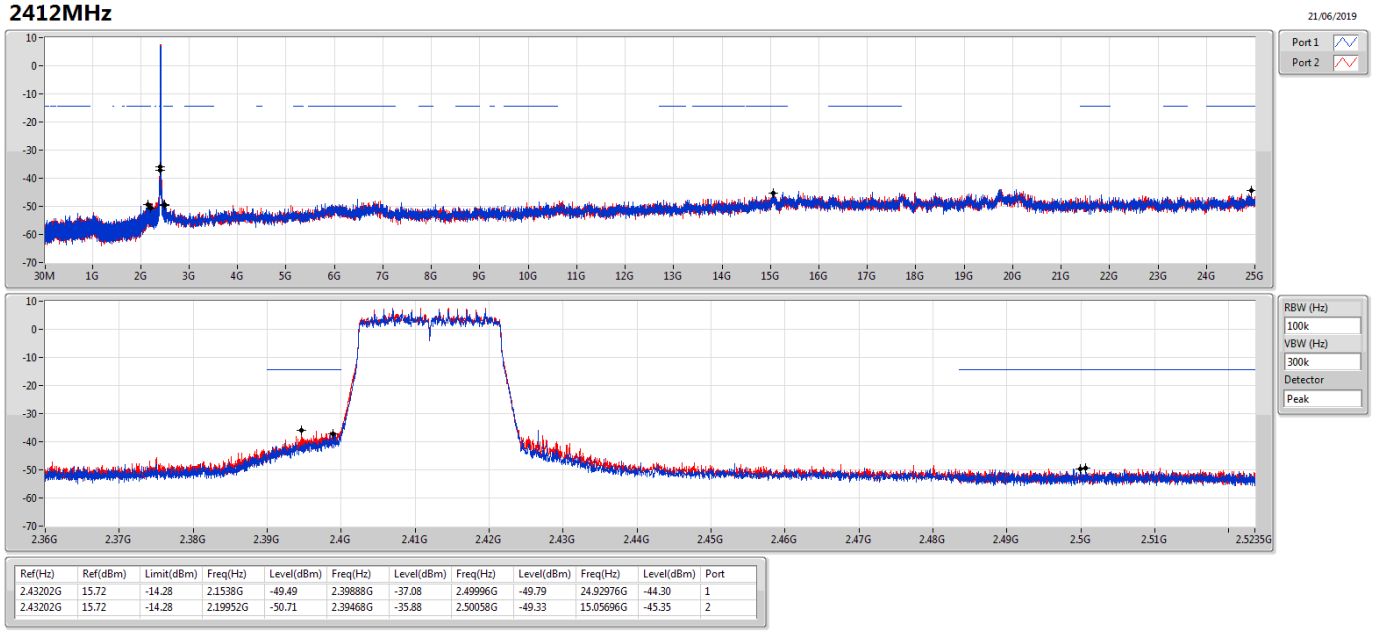
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	15.74	-14.26	2.05186G	-47.05	2.39824G	-47.55	2.48352G	-40.36	15.04572G	-45.79	1
2.43198G	15.74	-14.26	2.05186G	-48.37	2.39672G	-47.19	2.4839G	-36.43	3.28208G	-40.88	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX **CSE NdB**

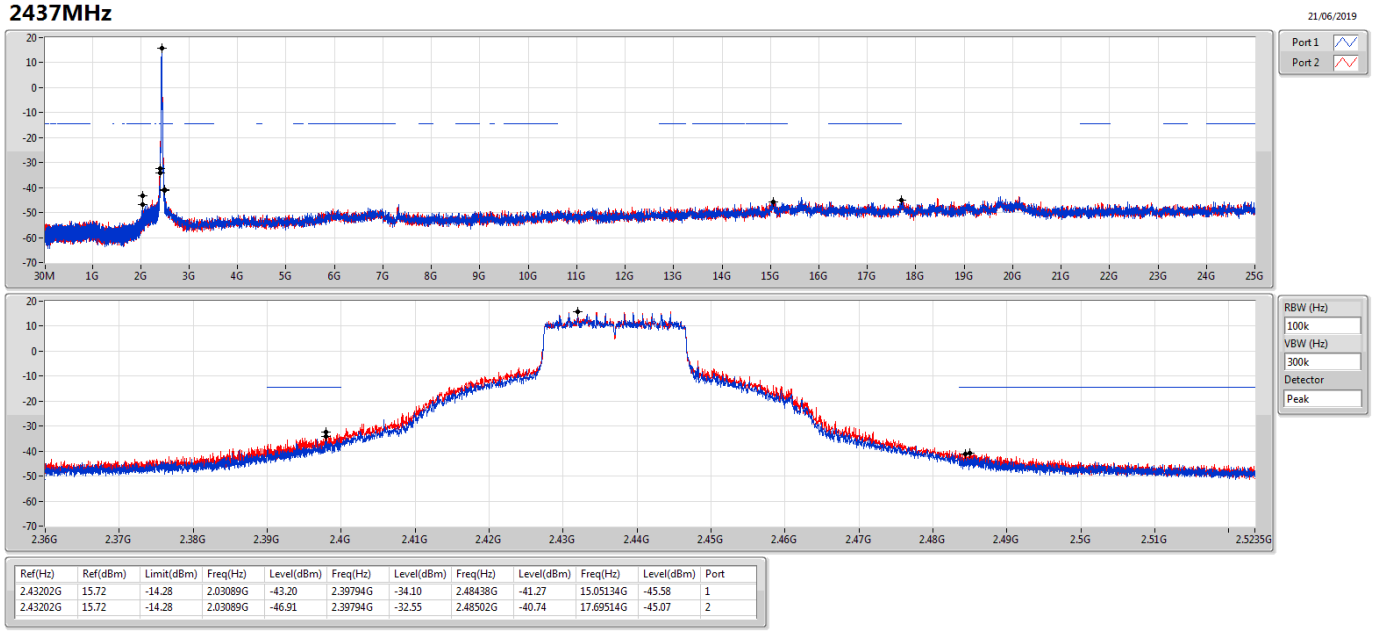
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43202G	15.72	-14.28	2.1538G	-49.49	2.39888G	-37.08	2.49996G	-49.79	24.92976G	-44.30	1
2.43202G	15.72	-14.28	2.19952G	-50.71	2.39468G	-35.88	2.50058G	-49.33	15.05696G	-45.35	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX **CSE NdB**

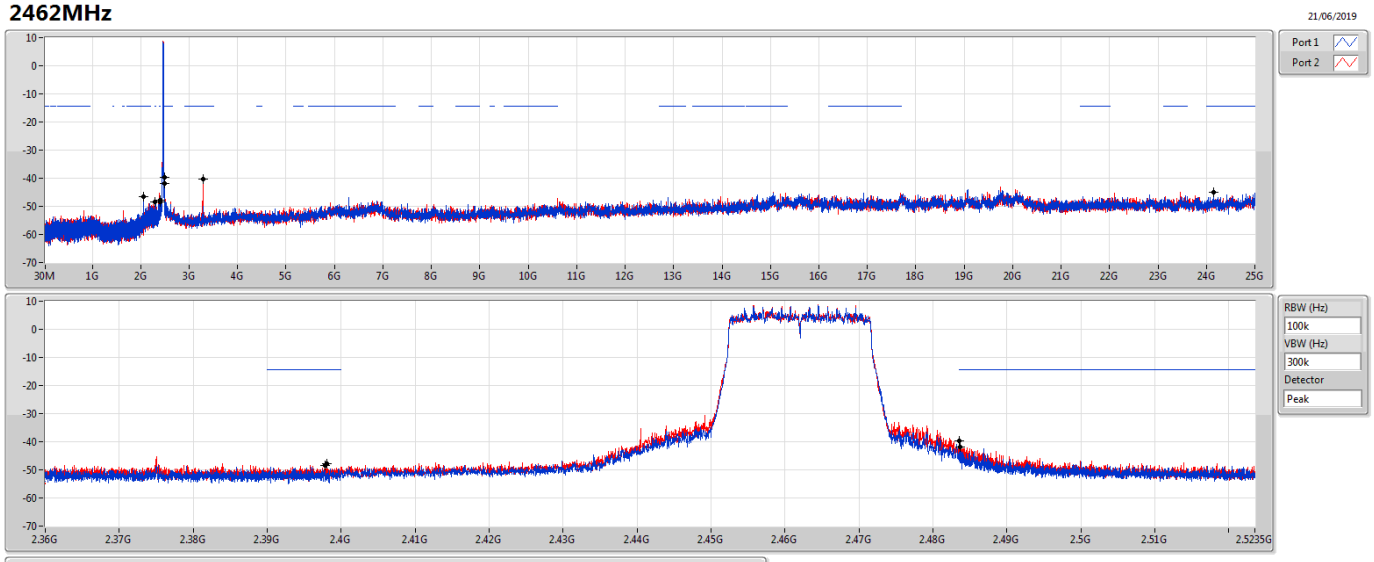
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43202G	15.72	-14.28	2.03089G	-43.20	2.39794G	-34.10	2.48438G	-41.27	15.05134G	-45.58	1
2.43202G	15.72	-14.28	2.03089G	-46.91	2.39794G	-32.55	2.48502G	-40.74	17.69514G	-45.07	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX **CSE NdB**

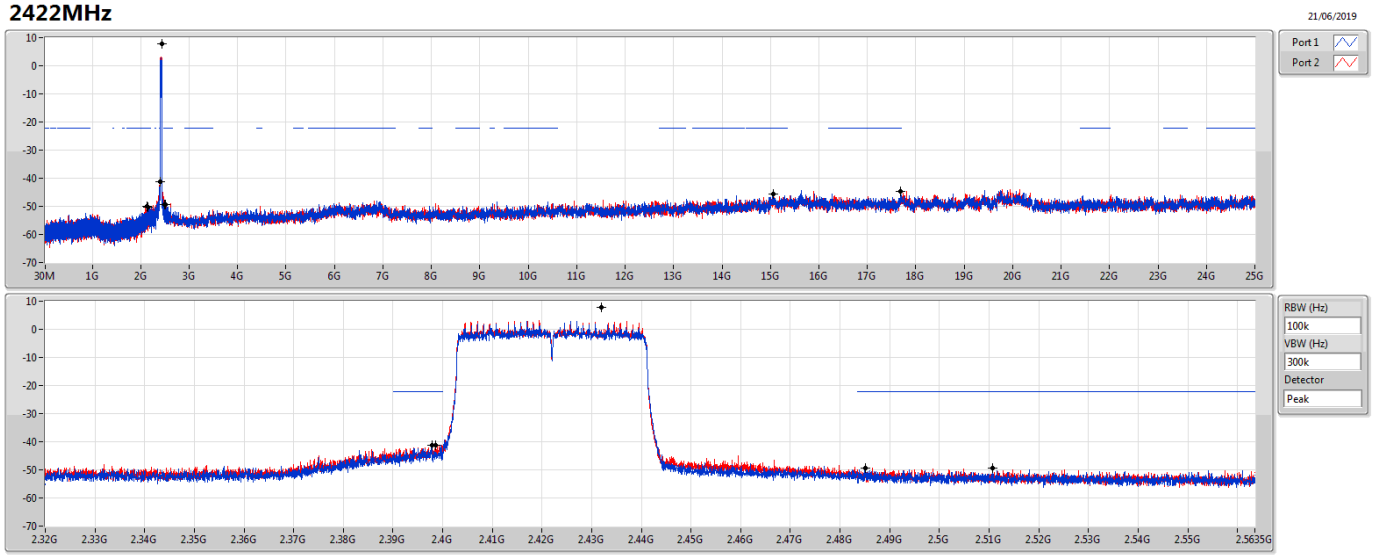
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43202G	15.72	-14.28	2.05186G	-46.64	2.39784G	-48.47	2.48362G	-41.84	24.1487G	-45.13	1
2.43202G	15.72	-14.28	2.30175G	-48.51	2.39804G	-47.81	2.4836G	-39.62	3.28208G	-40.39	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX **CSE NdB**

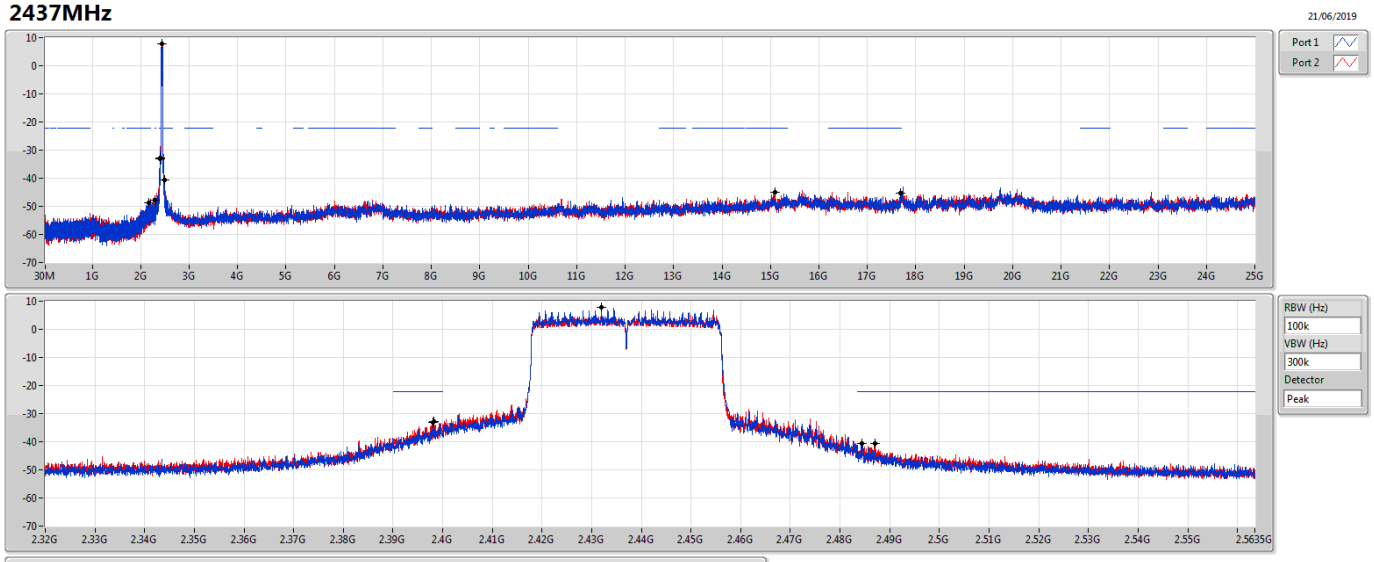
2422MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43202G	7.68	-22.32	2.12506G	-50.11	2.3978G	-41.23	2.51078G	-49.50	17.68851G	-44.80	1
2.43202G	7.68	-22.32	2.15312G	-50.25	2.39864G	-41.14	2.48514G	-49.40	15.06624G	-45.59	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX **CSE NdB**

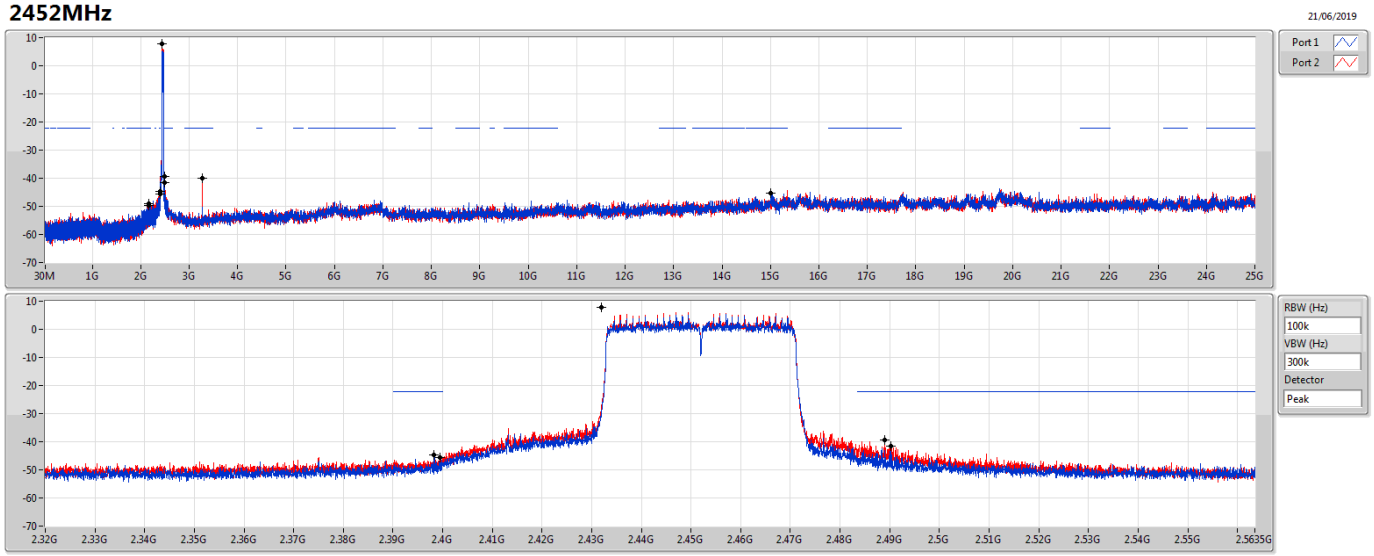
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43202G	7.68	-22.32	2.16199G	-48.67	2.39824G	-32.86	2.48442G	-40.70	17.6857G	-45.17	1
2.43202G	7.68	-22.32	2.30139G	-47.87	2.39804G	-33.21	2.48698G	-40.50	15.09709G	-44.85	2

802.11ax HEW40-BF_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)	Port
2.43202G	7.68	-22.32	2.16113G	-49.56	2.39828G	-44.84	2.49014G	-41.59	14.99893G	-45.42	1
2.43202G	7.68	-22.32	2.16085G	-48.93	2.39948G	-45.64	2.4889G	-39.46	3.26745G	-39.99	2

For 2T2S
Summary

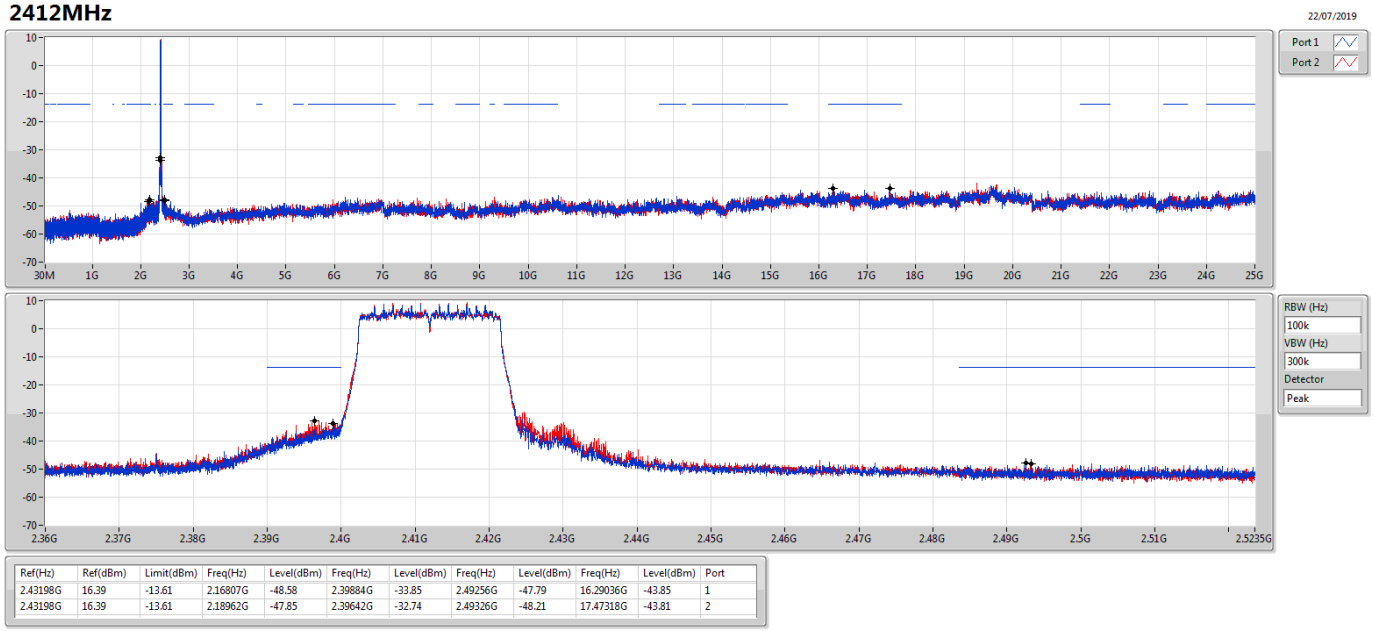
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	Pass	2.43198G	16.39	-13.61	2.18962G	-47.85	2.39642G	-32.74	2.49326G	-48.21	17.47318G	-43.81	2
802.11ax HEW40_Nss2,(MCS0)_2TX	Pass	2.43198G	8.27	-21.73	70.08M	-46.87	2.3996G	-32.40	2.48446G	-41.48	17.14723G	-46.14	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43198G	16.39	-13.61	2.16807G	-48.58	2.39884G	-33.85	2.49256G	-47.79	16.29036G	-43.85	1
2412MHz	Pass	2.43198G	16.39	-13.61	2.18962G	-47.85	2.39642G	-32.74	2.49326G	-48.21	17.47318G	-43.81	2
2437MHz	Pass	2.43198G	16.39	-13.61	2.03089G	-43.98	2.39922G	-35.47	2.48404G	-42.22	2.62464G	-43.64	1
2437MHz	Pass	2.43198G	16.39	-13.61	2.1835G	-45.03	2.39796G	-33.03	2.48534G	-39.30	15.27329G	-43.96	2
2462MHz	Pass	2.43198G	16.39	-13.61	2.05186G	-46.91	2.3903G	-47.93	2.48366G	-39.10	16.5966G	-44.40	1
2462MHz	Pass	2.43198G	16.39	-13.61	2.30117G	-48.09	2.39124G	-47.00	2.48448G	-35.36	3.28208G	-39.14	2
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43198G	8.27	-21.73	53.19M	-43.50	2.39704G	-38.36	2.49186G	-48.24	16.81068G	-45.63	1
2422MHz	Pass	2.43198G	8.27	-21.73	544.11M	-48.09	2.39672G	-38.70	2.49878G	-47.91	16.20489G	-46.42	2
2437MHz	Pass	2.43198G	8.27	-21.73	70.08M	-46.87	2.3996G	-32.40	2.48446G	-41.48	17.14723G	-46.14	1
2437MHz	Pass	2.43198G	8.27	-21.73	34.29M	-47.76	2.39952G	-33.10	2.48446G	-40.30	17.43049G	-46.73	2
2452MHz	Pass	2.43198G	8.27	-21.73	95.84M	-47.16	2.39852G	-45.30	2.48874G	-41.71	16.25818G	-46.34	1
2452MHz	Pass	2.43198G	8.27	-21.73	95.84M	-48.35	2.3994G	-43.49	2.49074G	-37.90	3.26745G	-39.62	2

802.11ax HEW20_Nss2,(MCS0)_2TX **CSE NdB**

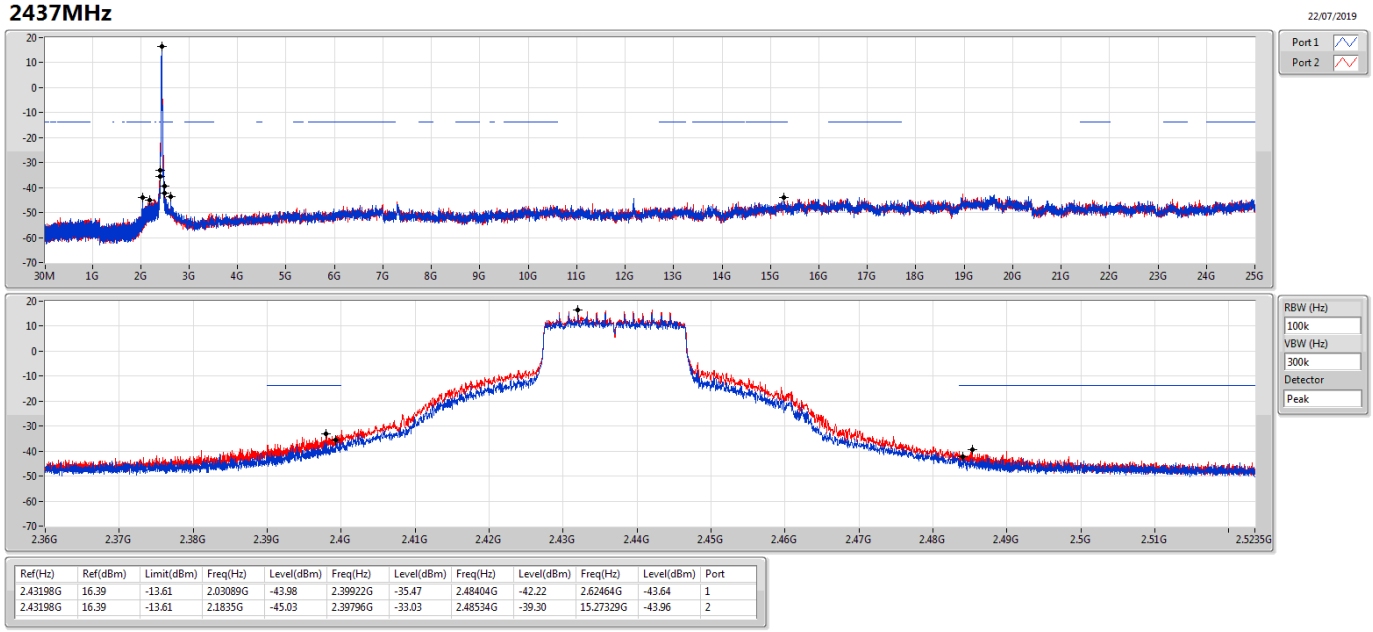
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	16.39	-13.61	2.16807G	-48.58	2.39884G	-33.85	2.49256G	-47.79	16.29036G	-43.85	1
2.43198G	16.39	-13.61	2.18962G	-47.85	2.39642G	-32.74	2.49326G	-48.21	17.47318G	-43.81	2

802.11ax HEW20_Nss2,(MCS0)_2TX **CSE NdB**

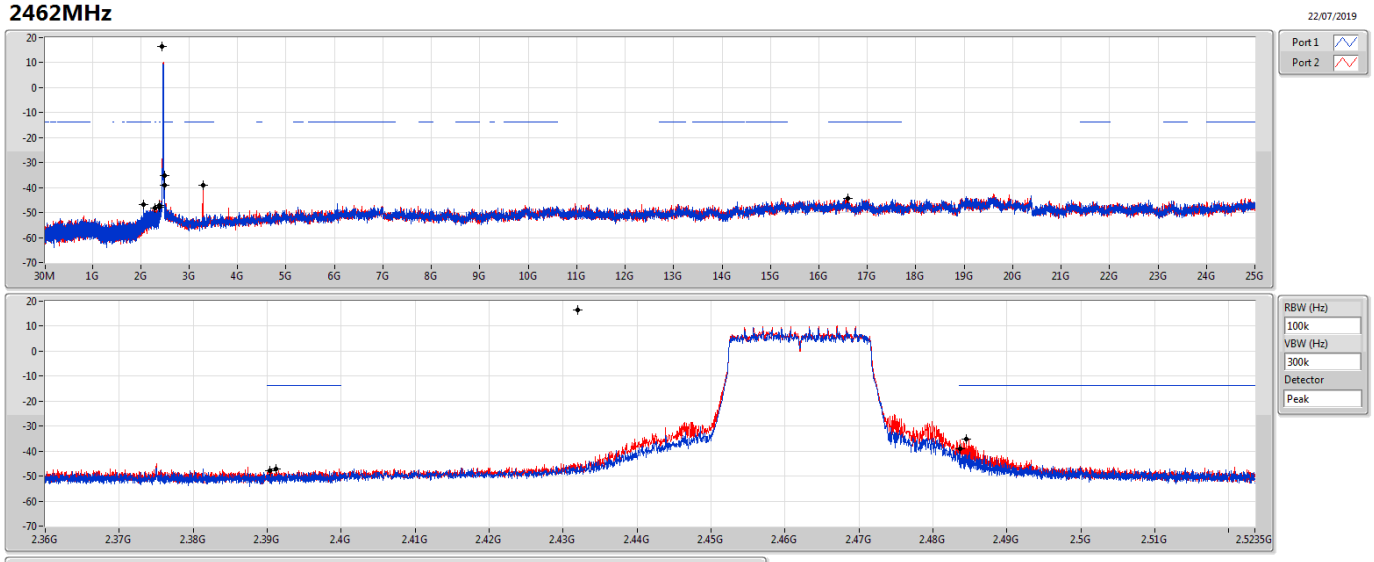
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	16.39	-13.61	2.03089G	-43.98	2.39922G	-35.47	2.48404G	-42.22	2.62464G	-43.64	1
2.43198G	16.39	-13.61	2.1835G	-45.03	2.39796G	-33.03	2.48534G	-39.30	15.27329G	-43.96	2

802.11ax HEW20_Nss2,(MCS0)_2TX **CSE NdB**

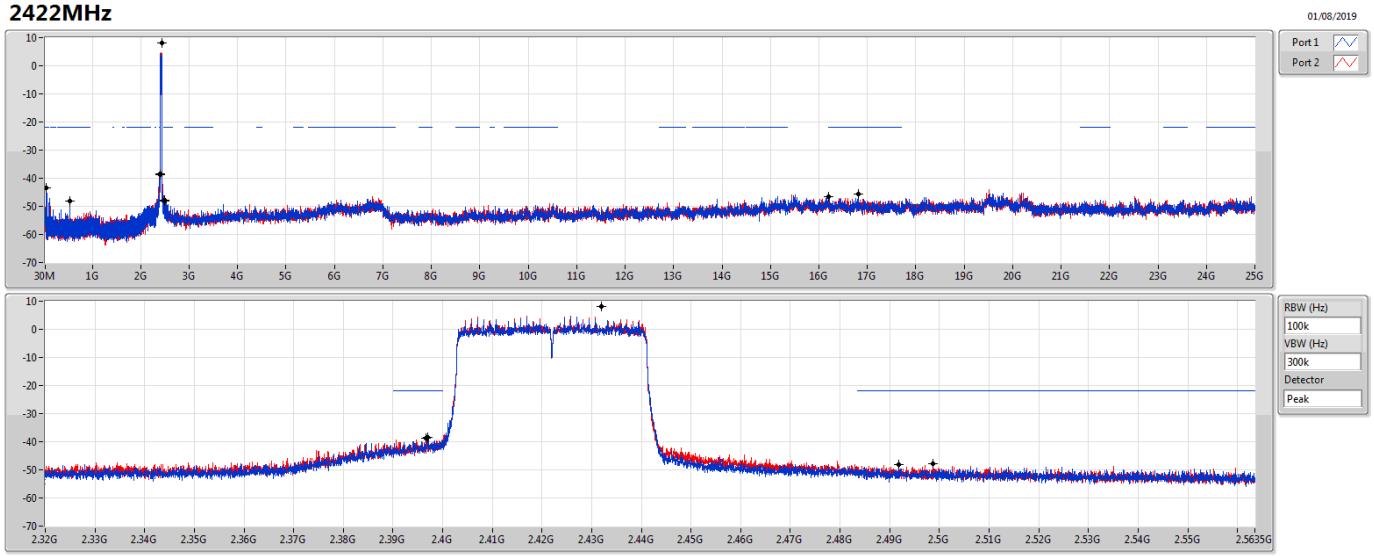
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	16.39	-13.61	2.05186G	-46.91	2.3903G	-47.93	2.48366G	-39.10	16.5966G	-44.40	1
2.43198G	16.39	-13.61	2.30117G	-48.09	2.39124G	-47.00	2.48448G	-35.36	3.28208G	-39.14	2

802.11ax HEW40_Nss2,(MCS0)_2TX **CSE NdB**

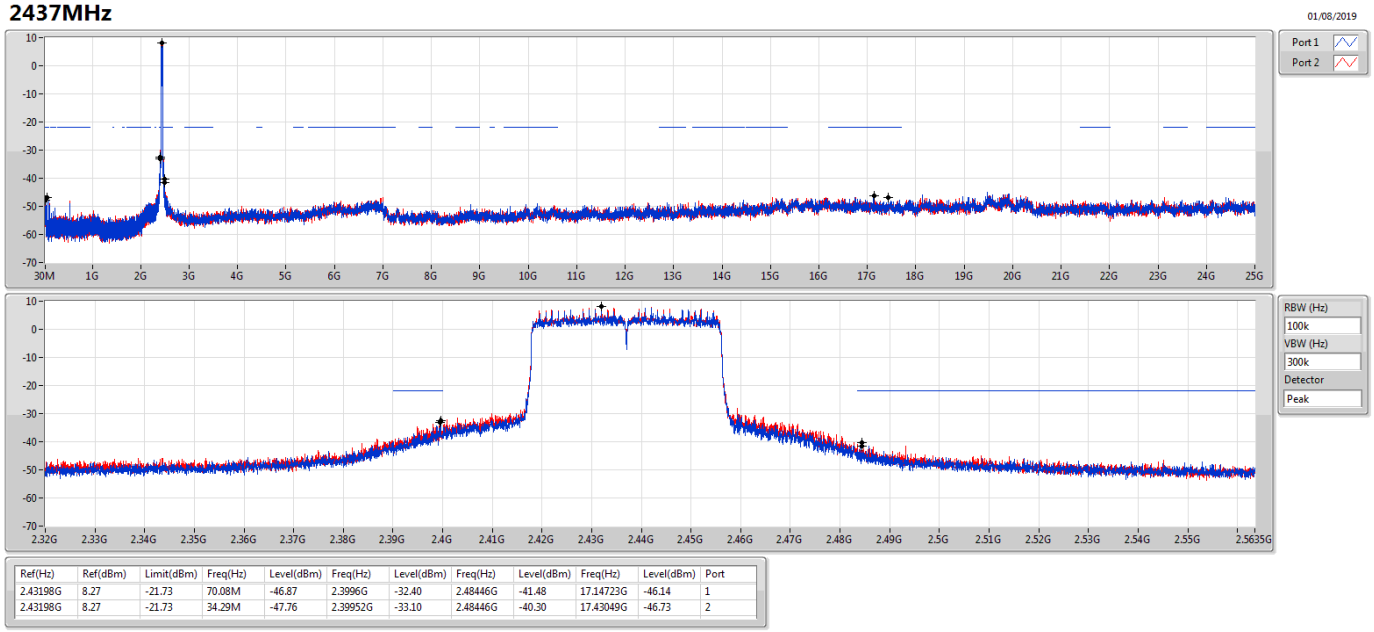
2422MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	8.27	-21.73	53.19M	-43.50	2.39704G	-38.36	2.49186G	-48.24	16.81068G	-45.63	1
2.43198G	8.27	-21.73	544.11M	-48.09	2.39672G	-38.70	2.49878G	-47.91	16.20489G	-46.42	2

802.11ax HEW40_Nss2,(MCS0)_2TX **CSE NdB**

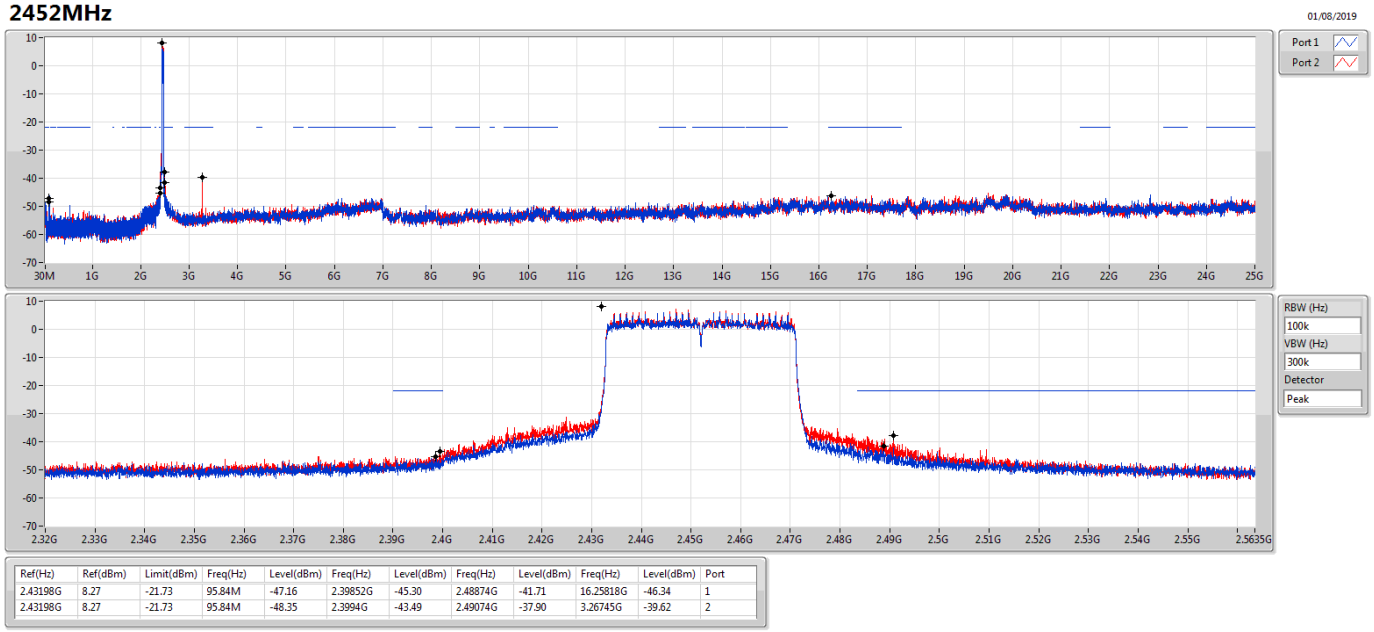
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	8.27	-21.73	70.08M	-46.87	2.3996G	-32.40	2.48446G	-41.48	17.14723G	-46.14	1
2.43198G	8.27	-21.73	34.29M	-47.76	2.39952G	-33.10	2.48446G	-40.30	17.43049G	-46.73	2

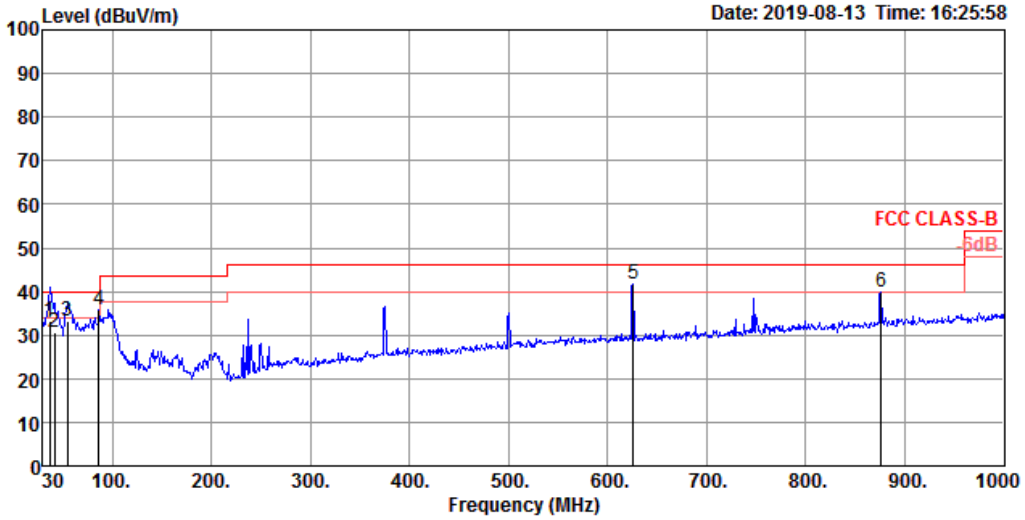
802.11ax HEW40_Nss2,(MCS0)_2TX **CSE NdB**

2452MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	8.27	-21.73	95.84M	-47.16	2.39852G	-45.30	2.48874G	-41.71	16.25818G	-46.34	1
2.43198G	8.27	-21.73	95.84M	-48.35	2.3994G	-43.49	2.49074G	-37.90	3.26745G	-39.62	2

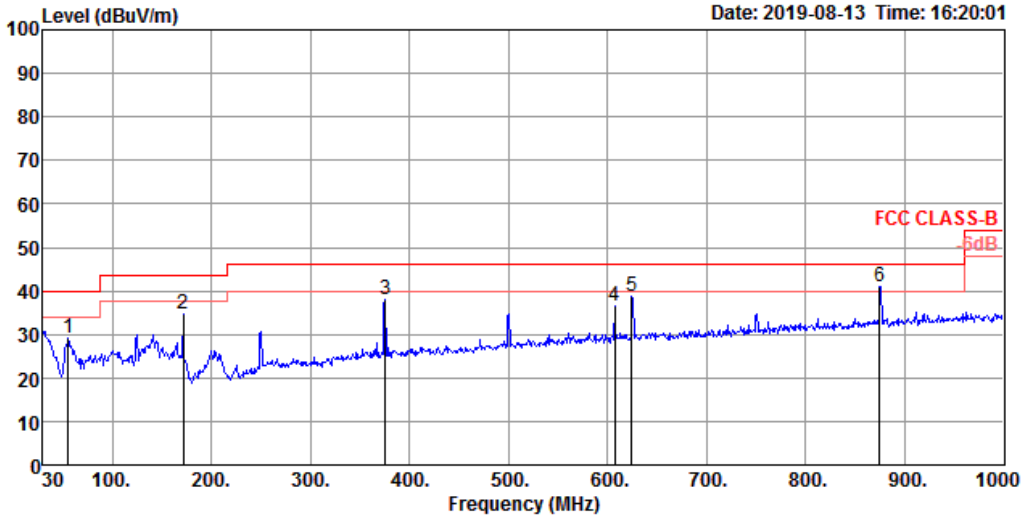
RSE below 1GHz Result			
Operating Mode	5	**Polarization**	Vertical
Operating Function	CTX		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	36.79	33.30	40.00	-6.70	42.32	0.78	21.69	31.49	100	147	QP	VERTICAL
2	41.64	30.77	40.00	-9.23	42.64	0.86	18.81	31.54	100	348	QP	VERTICAL
3	54.25	33.32	40.00	-6.68	50.36	0.92	13.83	31.79	100	23	QP	VERTICAL
4	86.26	35.93	40.00	-4.07	52.13	1.16	14.51	31.87	125	72	Peak	VERTICAL
5	625.58	41.69	46.00	-4.31	45.63	3.28	25.21	32.43	100	220	Peak	VERTICAL
6	875.84	39.81	46.00	-6.19	40.79	3.92	27.50	32.40	100	158	Peak	VERTICAL

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

RSE below 1GHz Result			
Operating Mode	5	**Polarization**	Horizontal
Operating Function	CTX		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	55.22	29.14	40.00	-10.86	46.40	0.92	13.62	31.80	300	250	Peak	HORIZONTAL
2	171.62	34.55	43.50	-8.95	48.86	1.67	15.94	31.92	200	65	Peak	HORIZONTAL
3	375.32	37.97	46.00	-8.03	45.75	2.51	21.88	32.17	100	221	Peak	HORIZONTAL
4	607.15	36.71	46.00	-9.29	40.75	3.30	25.00	32.34	100	355	Peak	HORIZONTAL
5	624.61	38.92	46.00	-7.08	42.86	3.28	25.21	32.43	125	87	Peak	HORIZONTAL
6	874.87	40.85	46.00	-5.15	41.83	3.92	27.50	32.40	100	304	Peak	HORIZONTAL

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

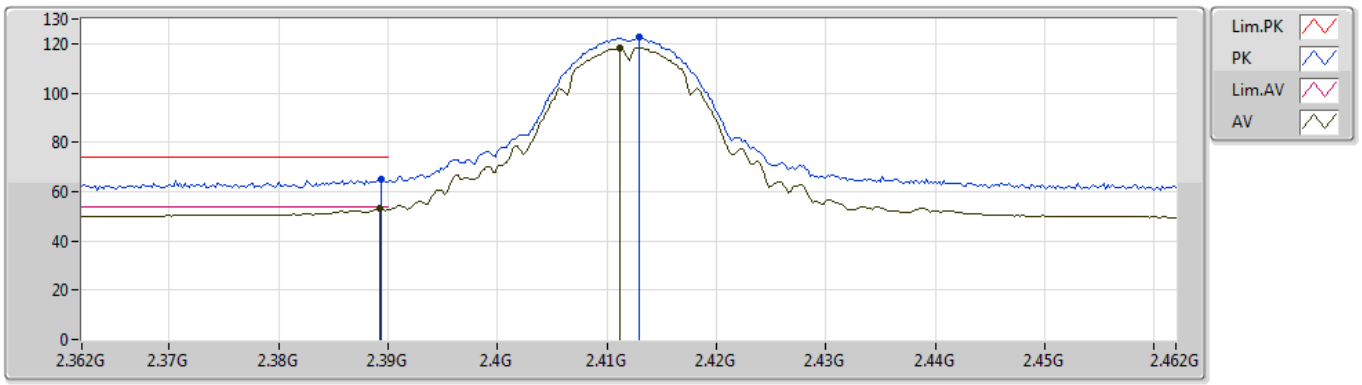
For 2T1S
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	Pass	AV	2.3898G	53.94	54.00	-0.06	32.62	3	Vertical	218	1.71	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

28/05/2019



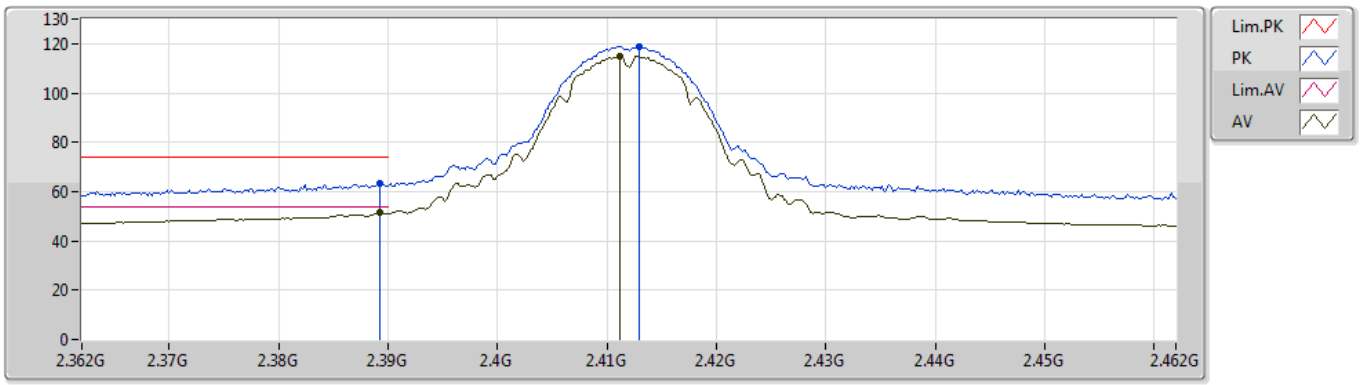
EUT Y_2TX
Setting 112
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	64.75	74.00	-9.25	32.13	3	Vertical	174	1.50	-
AV	2.3892G	53.37	54.00	-0.63	32.13	3	Vertical	174	1.50	-
PK	2.413G	122.48	Inf	-Inf	32.20	3	Vertical	174	1.50	-
AV	2.4112G	118.40	Inf	-Inf	32.19	3	Vertical	174	1.50	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

28/05/2019



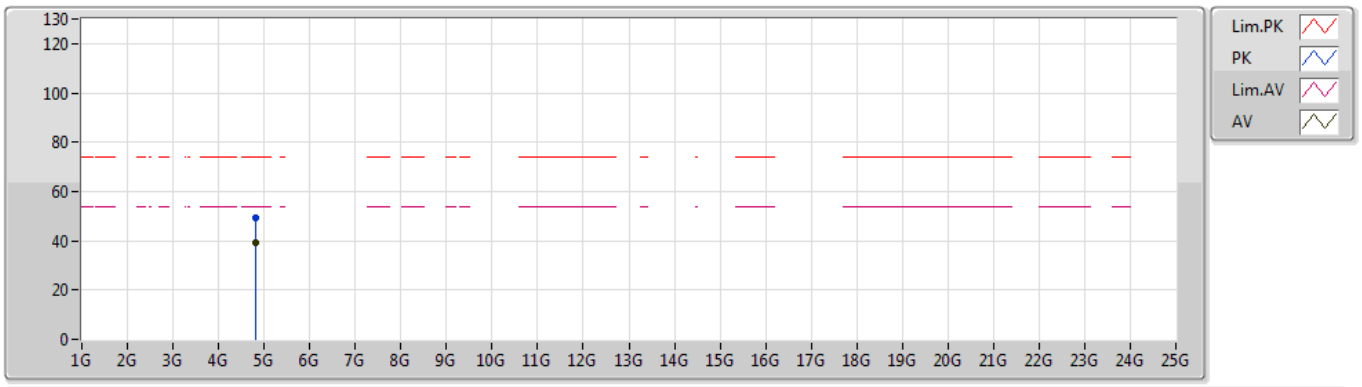
EUT Y_2TX
Setting 112
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3892G	63.07	74.00	-10.93	32.13	3	Horizontal	346	2.83	-
AV	2.3892G	51.40	54.00	-2.60	32.13	3	Horizontal	346	2.83	-
PK	2.413G	119.01	Inf	-Inf	32.20	3	Horizontal	346	2.83	-
AV	2.4112G	115.11	Inf	-Inf	32.19	3	Horizontal	346	2.83	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

28/05/2019



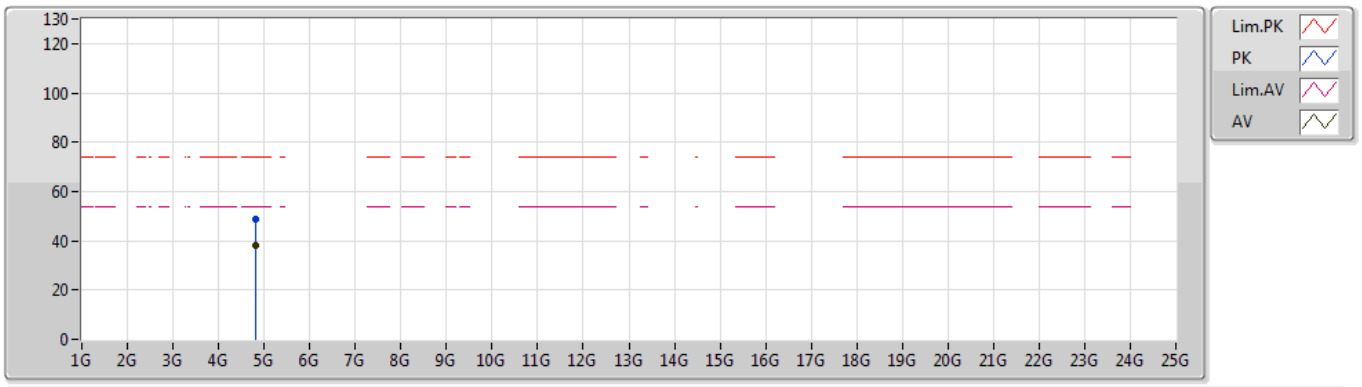
EUT Y_2TX
Setting 112
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82404G	49.33	74.00	-24.67	6.69	3	Vertical	285	1.53	-
AV	4.82398G	39.07	54.00	-14.93	6.69	3	Vertical	285	1.53	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

28/05/2019



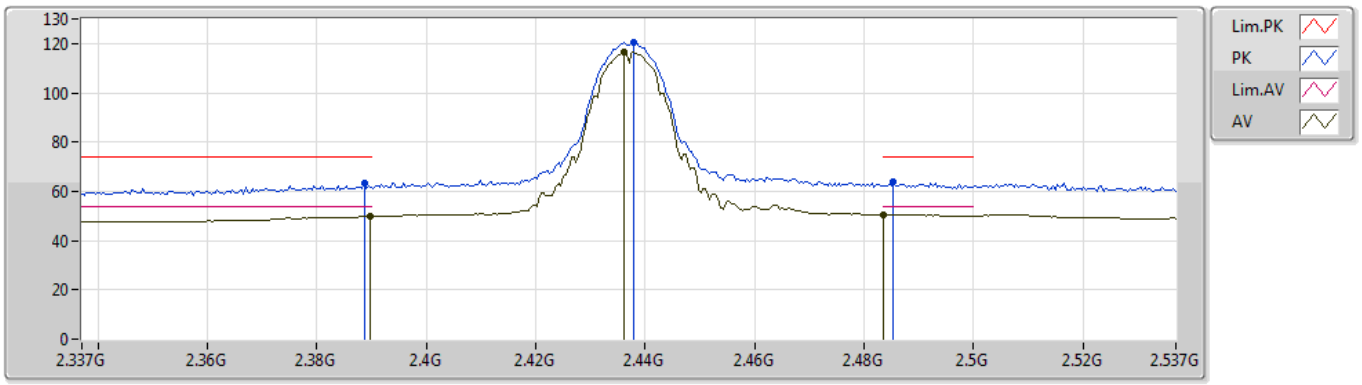
EUT Y_2TX
Setting 112
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82392G	48.62	74.00	-25.38	6.69	3	Horizontal	300	1.00	-
AV	4.82398G	38.37	54.00	-15.63	6.69	3	Horizontal	300	1.00	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

28/05/2019



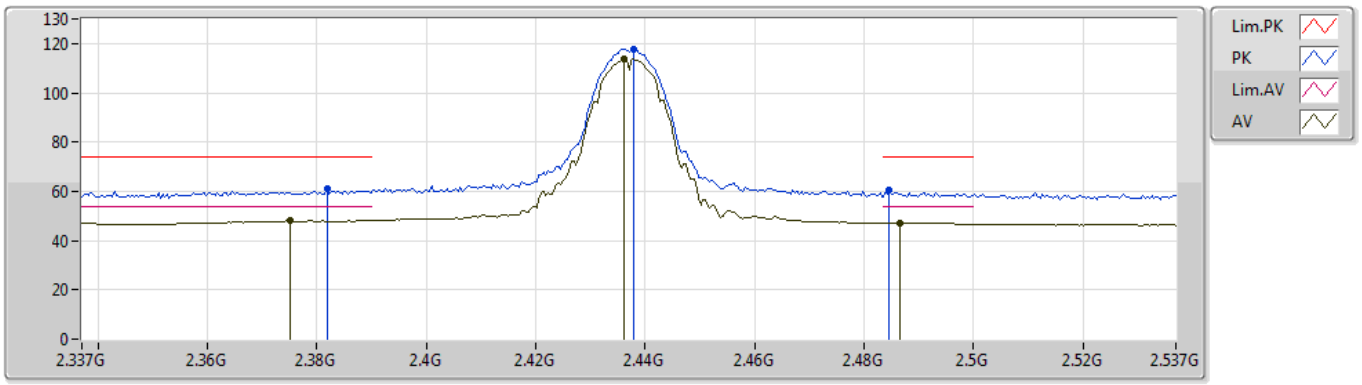
EUT Y_2TX
Setting 112
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3886G	63.16	74.00	-10.84	32.12	3	Vertical	195	1.92	-
AV	2.3898G	49.88	54.00	-4.12	32.13	3	Vertical	195	1.92	-
PK	2.4378G	120.59	Inf	-Inf	32.27	3	Vertical	195	1.92	-
AV	2.4362G	116.53	Inf	-Inf	32.27	3	Vertical	195	1.92	-
PK	2.4854G	63.68	74.00	-10.32	32.42	3	Vertical	195	1.92	-
AV	2.4835G	50.60	54.00	-3.40	32.41	3	Vertical	195	1.92	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

28/05/2019



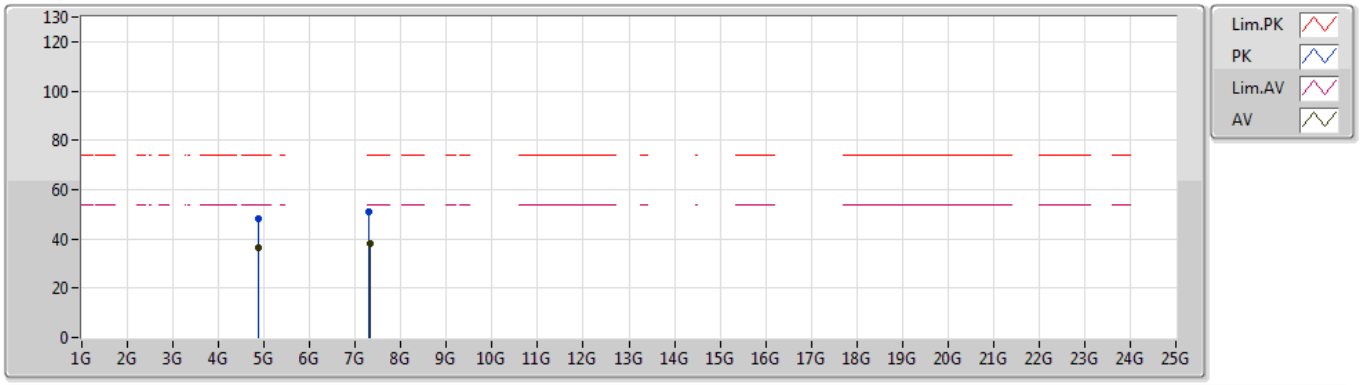
EUT Y_2TX
Setting 112
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3818G	61.33	74.00	-12.67	32.10	3	Horizontal	10	1.02	-
AV	2.375G	48.34	54.00	-5.66	32.07	3	Horizontal	10	1.02	-
PK	2.4378G	117.86	Inf	-Inf	32.27	3	Horizontal	10	1.02	-
AV	2.4362G	113.86	Inf	-Inf	32.27	3	Horizontal	10	1.02	-
PK	2.4846G	60.49	74.00	-13.51	32.42	3	Horizontal	10	1.02	-
AV	2.4866G	47.12	54.00	-6.88	32.42	3	Horizontal	10	1.02	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

28/05/2019



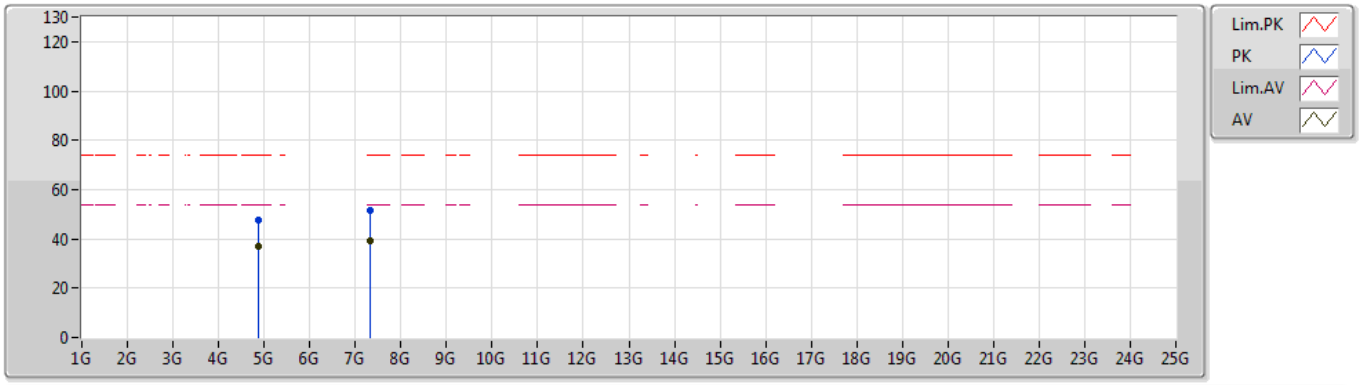
EUT Y_2TX
Setting 112
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87418G	48.32	74.00	-25.68	6.82	3	Vertical	173	1.77	-
AV	4.87398G	36.33	54.00	-17.67	6.82	3	Vertical	173	1.77	-
PK	7.30996G	51.01	74.00	-22.99	11.90	3	Vertical	219	1.00	-
AV	7.31184G	37.83	54.00	-16.17	11.90	3	Vertical	219	1.00	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

28/05/2019



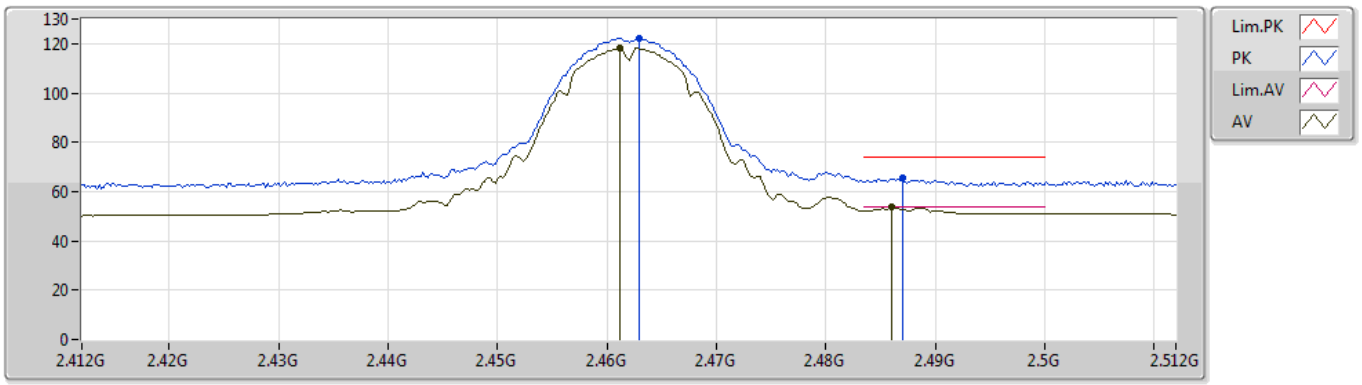
EUT Y_2TX
Setting 112
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87392G	47.62	74.00	-26.38	6.82	3	Horizontal	306	1.03	-
AV	4.87396G	36.84	54.00	-17.16	6.82	3	Horizontal	306	1.03	-
PK	7.31196G	51.32	74.00	-22.68	11.90	3	Horizontal	260	1.98	-
AV	7.31216G	39.04	54.00	-14.96	11.90	3	Horizontal	260	1.98	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

28/05/2019



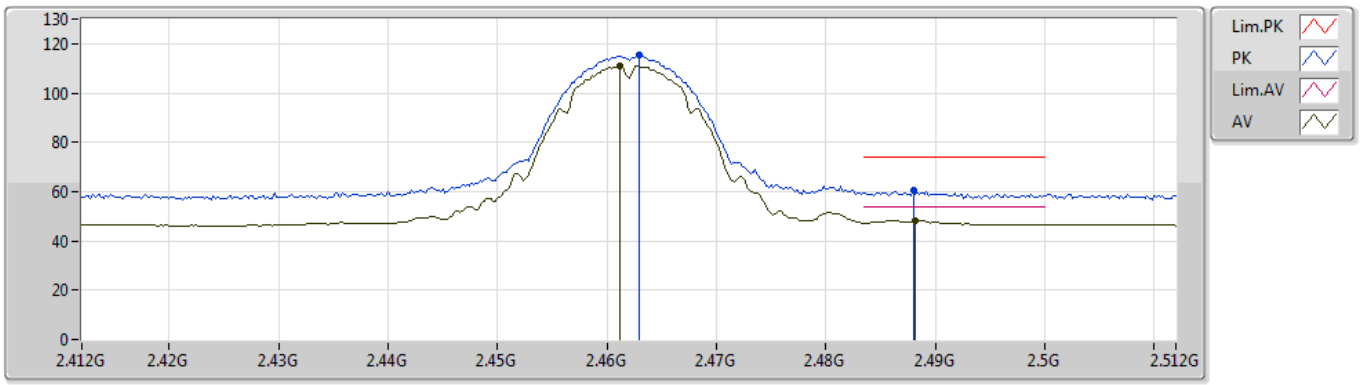
EUT Y_2TX
Setting 110
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.463G	122.31	Inf	-Inf	32.35	3	Vertical	180	1.39	-
AV	2.4612G	118.19	Inf	-Inf	32.34	3	Vertical	180	1.39	-
PK	2.487G	65.45	74.00	-8.55	32.42	3	Vertical	180	1.39	-
AV	2.486G	53.65	54.00	-0.35	32.42	3	Vertical	180	1.39	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

28/05/2019



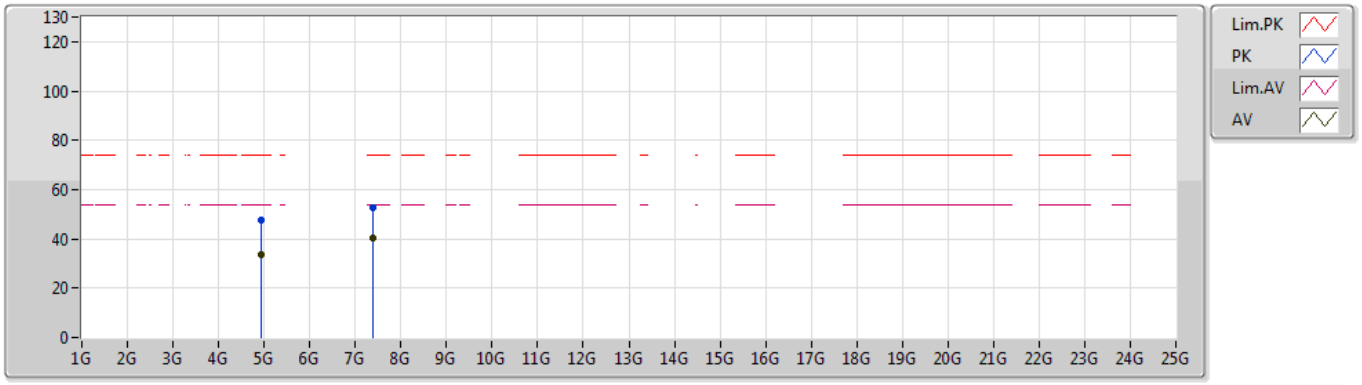
EUT Y_2TX
Setting 110
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.463G	115.18	Inf	-Inf	32.35	3	Horizontal	278	1.01	-
AV	2.4612G	111.07	Inf	-Inf	32.34	3	Horizontal	278	1.01	-
PK	2.488G	60.66	74.00	-13.34	32.42	3	Horizontal	278	1.01	-
AV	2.4882G	48.22	54.00	-5.78	32.42	3	Horizontal	278	1.01	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

28/05/2019



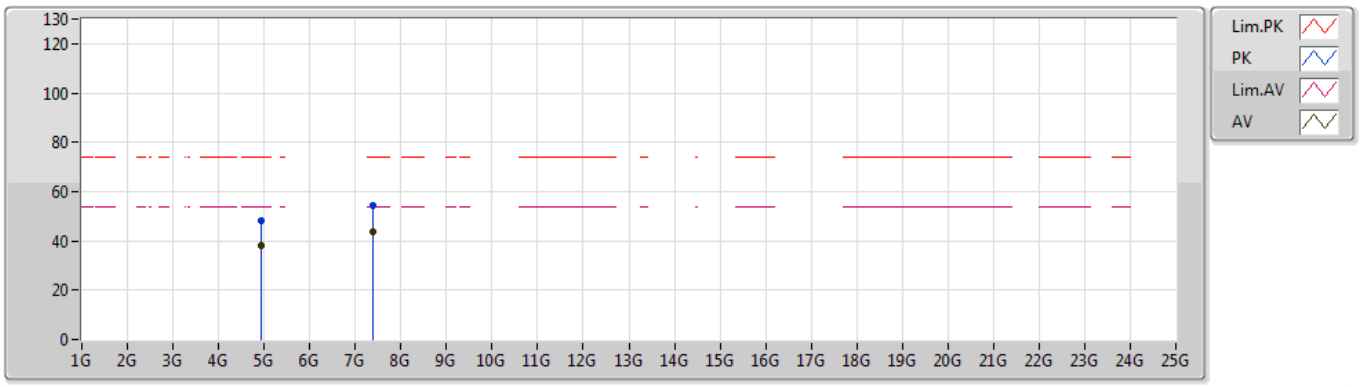
EUT Y_2TX
Setting 110
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.9242G	47.49	74.00	-26.51	6.95	3	Vertical	321	1.15	-
AV	4.92388G	33.73	54.00	-20.27	6.95	3	Vertical	321	1.15	-
PK	7.38464G	52.70	74.00	-21.30	12.10	3	Vertical	42	1.70	-
AV	7.3852G	40.10	54.00	-13.90	12.10	3	Vertical	42	1.70	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

28/05/2019



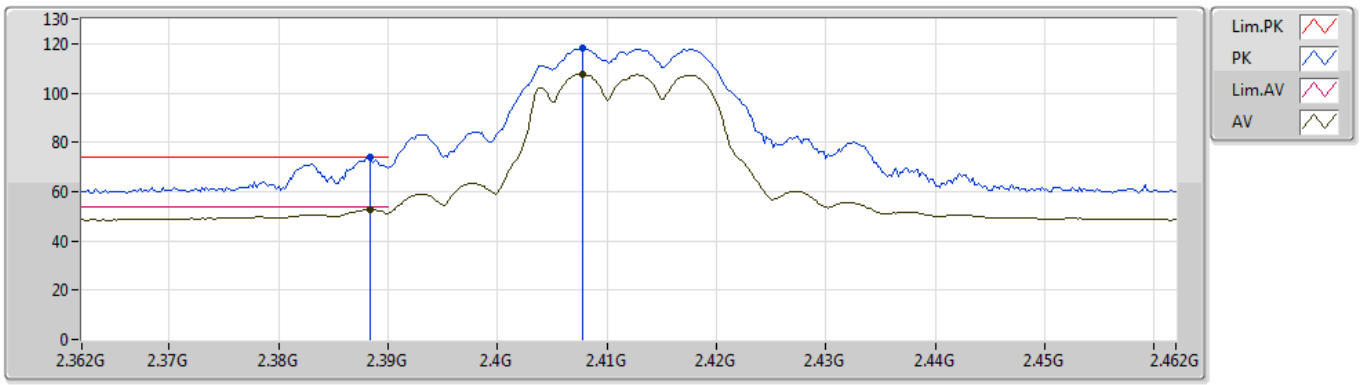
EUT Y_2TX
Setting 110
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92406G	48.36	74.00	-25.64	6.95	3	Horizontal	320	1.00	-
AV	4.924G	38.38	54.00	-15.62	6.95	3	Horizontal	320	1.00	-
PK	7.38516G	54.09	74.00	-19.91	12.10	3	Horizontal	258	1.98	-
AV	7.3852G	43.74	54.00	-10.26	12.10	3	Horizontal	258	1.98	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

22/07/2019



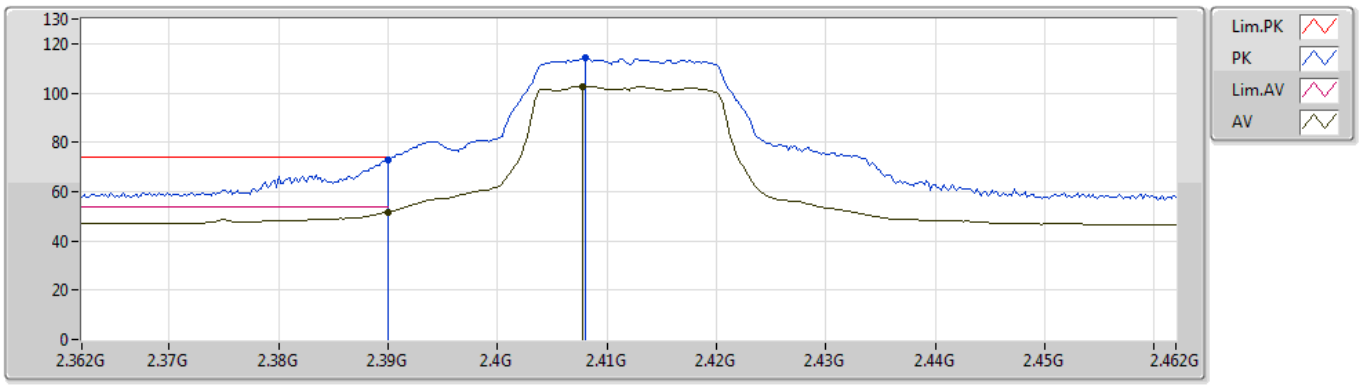
EUT Y_2TX
Setting 88
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3884G	73.86	74.00	-0.14	32.62	3	Vertical	188	1.92	-
AV	2.3884G	52.63	54.00	-1.37	32.62	3	Vertical	188	1.92	-
PK	2.4078G	118.19	Inf	-Inf	32.57	3	Vertical	188	1.92	-
AV	2.4078G	107.42	Inf	-Inf	32.57	3	Vertical	188	1.92	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

22/07/2019



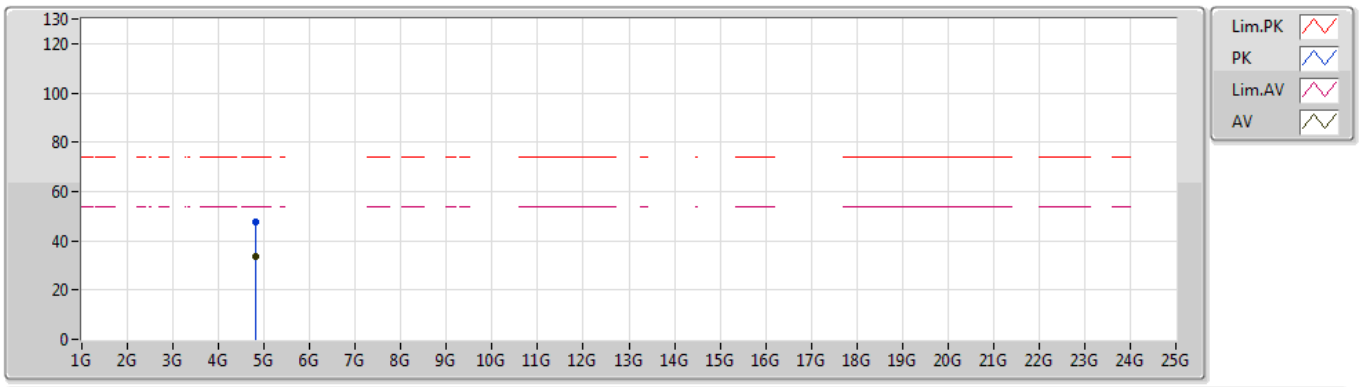
EUT Y_2TX
Setting 88
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	72.90	74.00	-1.10	32.62	3	Horizontal	320	1.06	-
AV	2.39G	51.64	54.00	-2.36	32.62	3	Horizontal	320	1.06	-
PK	2.408G	114.25	Inf	-Inf	32.57	3	Horizontal	320	1.06	-
AV	2.4078G	102.77	Inf	-Inf	32.57	3	Horizontal	320	1.06	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

22/07/2019



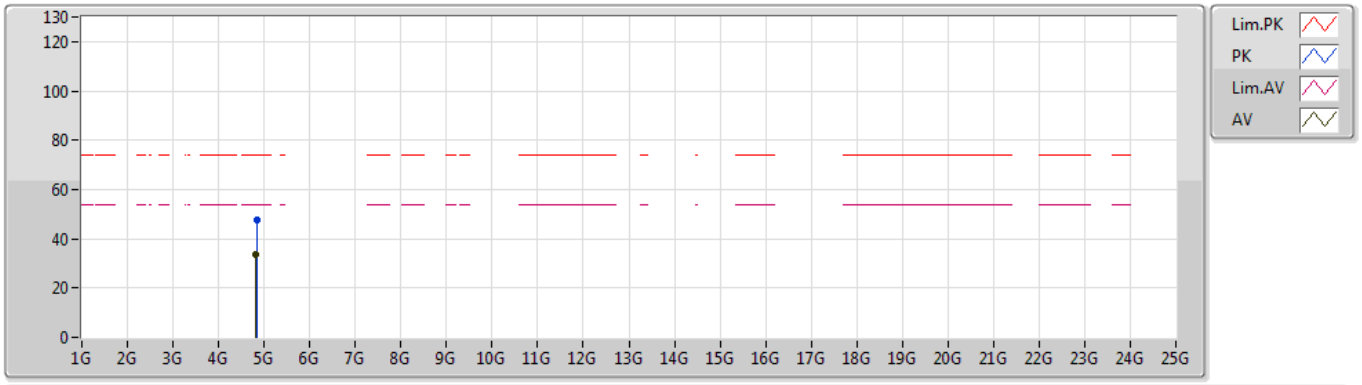
EUT Y_2TX
Setting 88
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.81098G	47.78	74.00	-26.22	6.64	3	Vertical	1	1.50	-
AV	4.81122G	33.74	54.00	-20.26	6.64	3	Vertical	1	1.50	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

22/07/2019



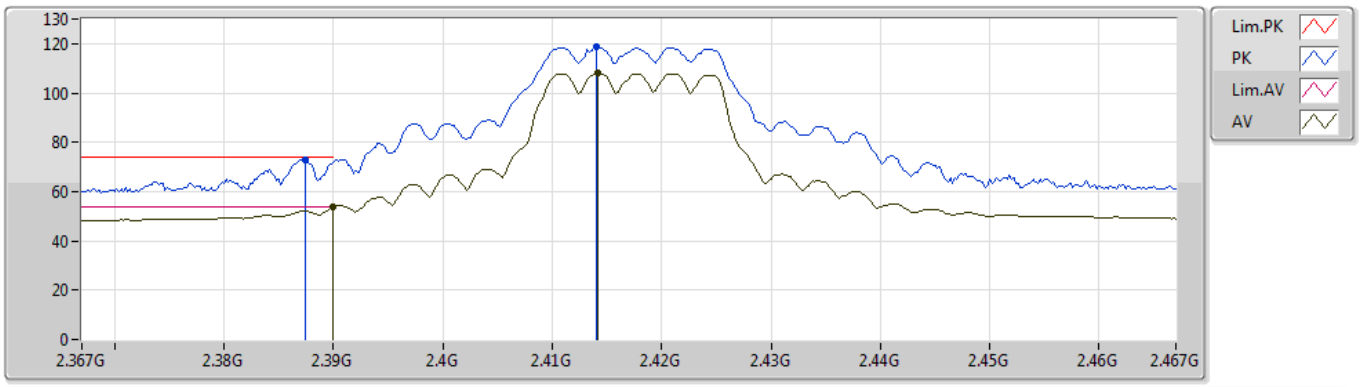
EUT Y_2TX
Setting 88
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.83048G	47.77	74.00	-26.23	6.64	3	Horizontal	301	1.50	-
AV	4.80942G	33.59	54.00	-20.41	6.63	3	Horizontal	301	1.50	-

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

30/07/2019



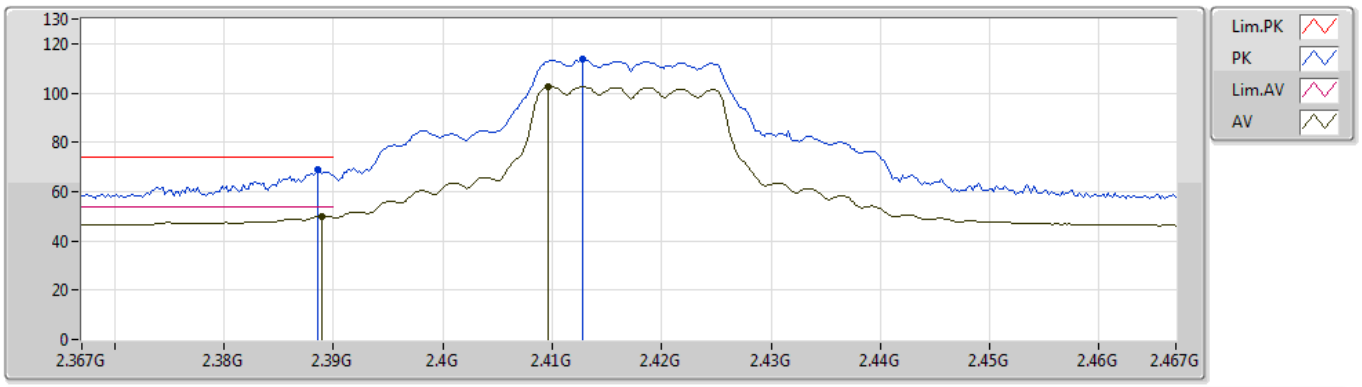
EUT Y_2TX
Setting 95
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3874G	72.98	74.00	-1.02	32.62	3	Vertical	192	1.82	-
AV	2.39G	53.56	54.00	-0.44	32.62	3	Vertical	192	1.82	-
PK	2.414G	118.86	Inf	-Inf	32.56	3	Vertical	192	1.82	-
AV	2.4142G	108.05	Inf	-Inf	32.56	3	Vertical	192	1.82	-

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

30/07/2019



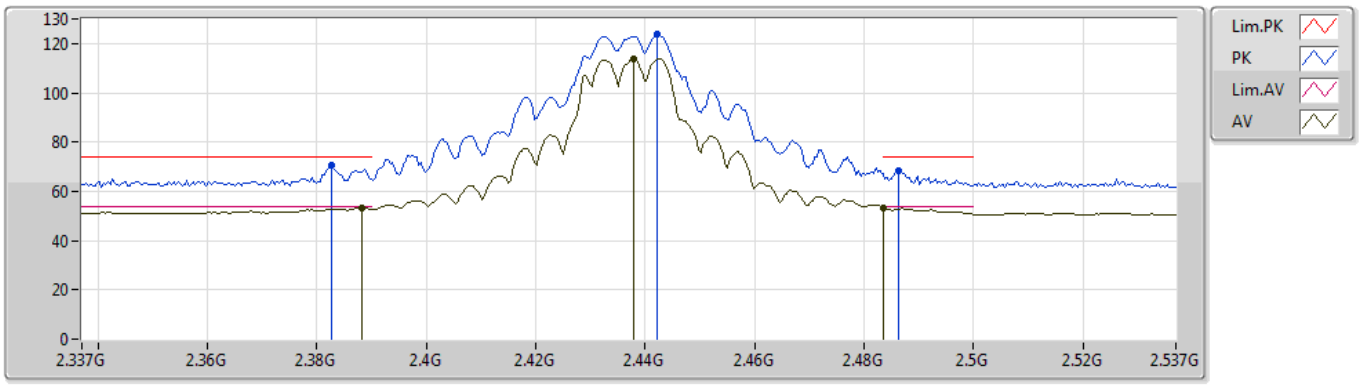
EUT Y_2TX
Setting 95
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3886G	68.76	74.00	-5.24	32.63	3	Horizontal	18	1.06	-
AV	2.389G	50.11	54.00	-3.89	32.63	3	Horizontal	18	1.06	-
PK	2.4128G	113.53	Inf	-Inf	32.56	3	Horizontal	18	1.06	-
AV	2.4096G	102.70	Inf	-Inf	32.57	3	Horizontal	18	1.06	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

15/05/2019



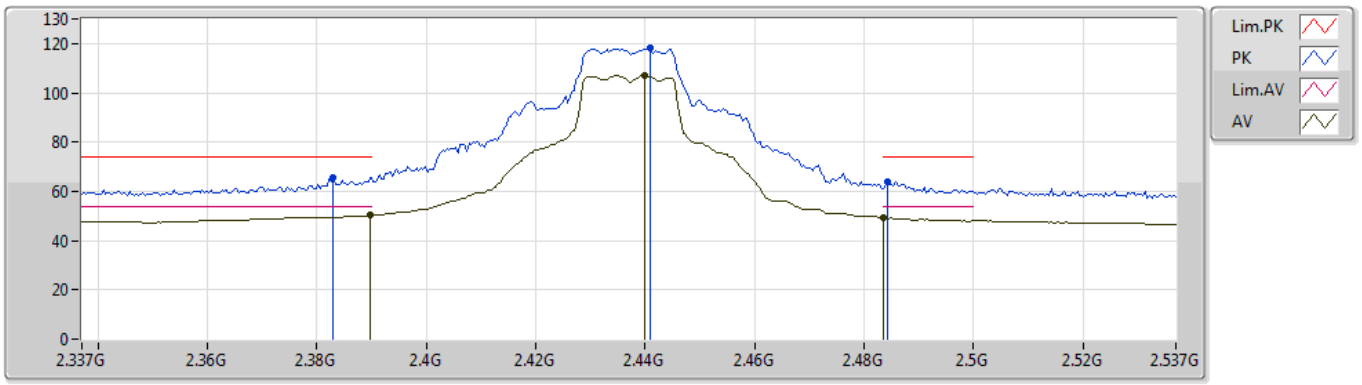
EUT Y_2TX
Setting 110
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3826G	70.64	74.00	-3.36	31.37	3	Vertical	175	2.16	-
AV	2.3882G	53.21	54.00	-0.79	31.38	3	Vertical	175	2.16	-
PK	2.4422G	123.73	Inf	-Inf	31.51	3	Vertical	175	2.16	-
AV	2.4378G	113.84	Inf	-Inf	31.50	3	Vertical	175	2.16	-
PK	2.4862G	68.43	74.00	-5.57	31.60	3	Vertical	175	2.16	-
AV	2.4835G	53.26	54.00	-0.74	31.59	3	Vertical	175	2.16	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

22/07/2019



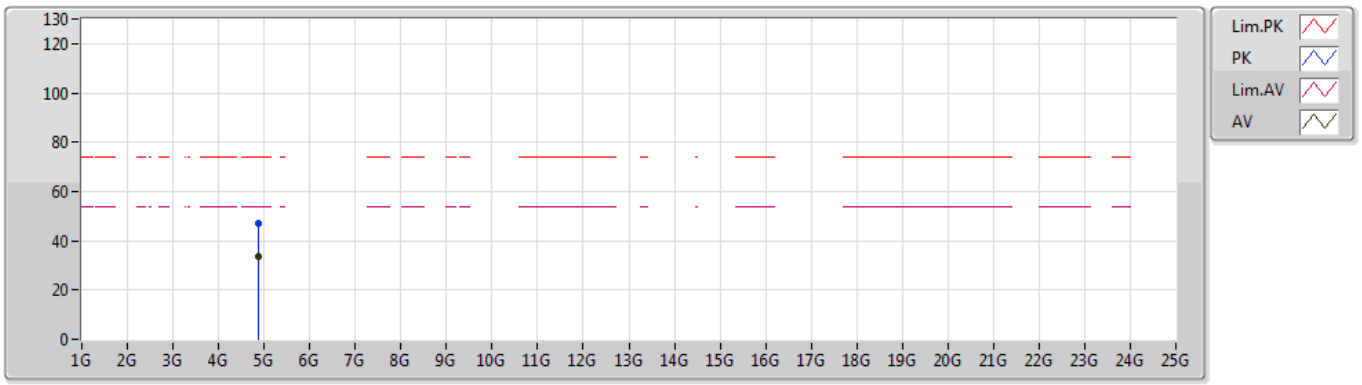
EUT Y_2TX
Setting 110
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.383G	65.72	74.00	-8.28	32.65	3	Horizontal	314	1.05	-
AV	2.3898G	50.18	54.00	-3.82	32.62	3	Horizontal	314	1.05	-
PK	2.441G	118.33	Inf	-Inf	32.53	3	Horizontal	314	1.05	-
AV	2.4398G	106.92	Inf	-Inf	32.53	3	Horizontal	314	1.05	-
PK	2.4842G	64.10	74.00	-9.90	32.48	3	Horizontal	314	1.05	-
AV	2.4835G	49.17	54.00	-4.83	32.48	3	Horizontal	314	1.05	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

22/07/2019



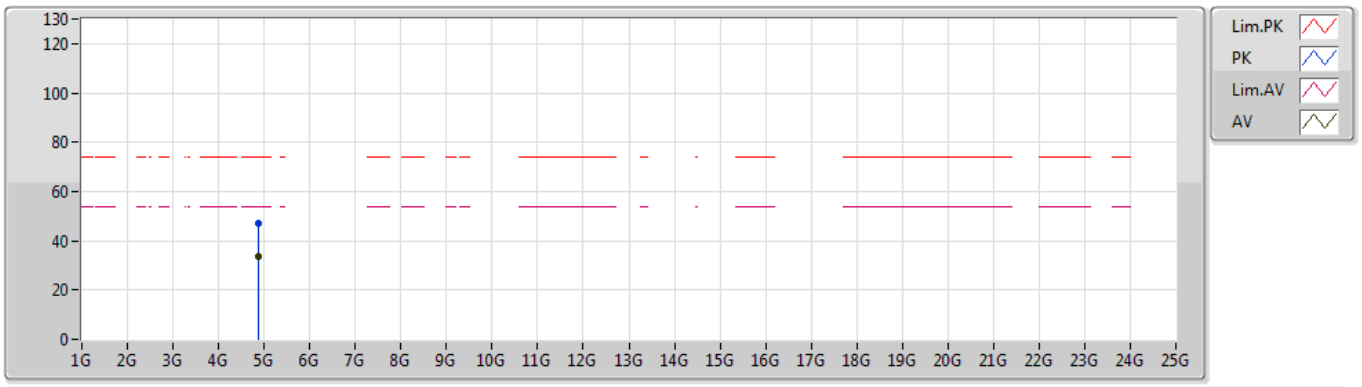
EUT Y_2TX
Setting 110
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87166G	47.30	74.00	-26.70	6.64	3	Vertical	53	2.64	-
AV	4.886G	33.52	54.00	-20.48	6.63	3	Vertical	53	2.64	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

22/07/2019



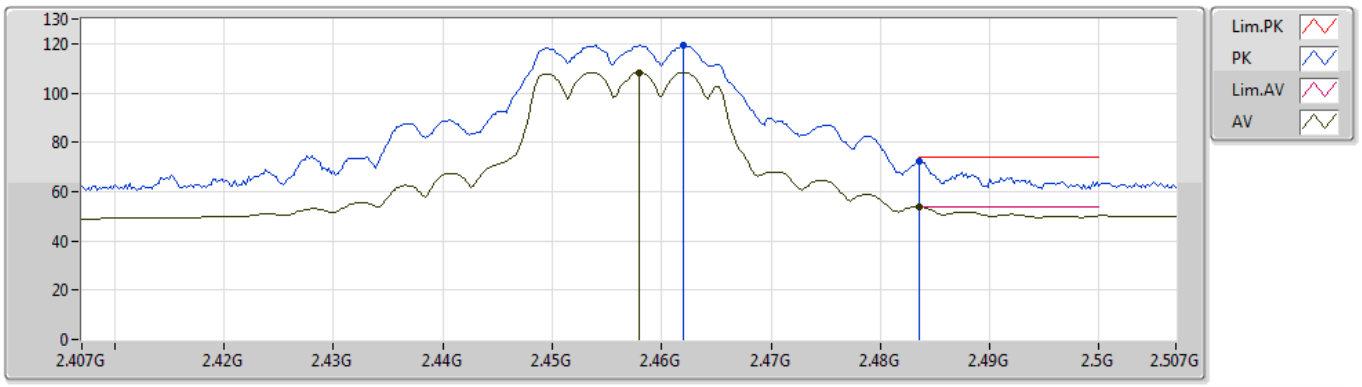
EUT Y_2TX
Setting 110
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.86266G	47.30	74.00	-26.70	6.64	3	Horizontal	66	1.02	-
AV	4.88822G	33.42	54.00	-20.58	6.63	3	Horizontal	66	1.02	-

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

30/07/2019



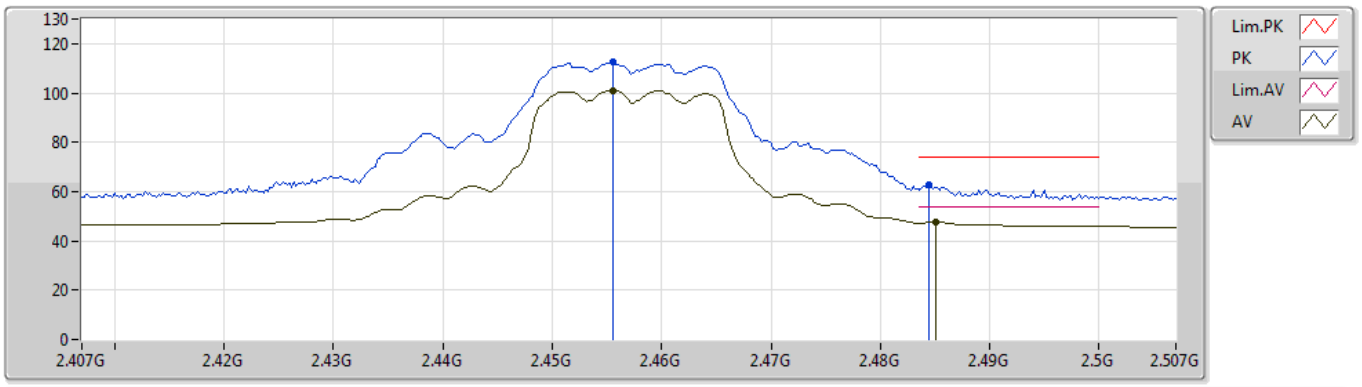
EUT Y_2TX
Setting 96
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.462G	119.14	Inf	-Inf	32.51	3	Vertical	190	1.50	-
AV	2.458G	108.38	Inf	-Inf	32.51	3	Vertical	190	1.50	-
PK	2.4836G	72.51	74.00	-1.49	32.48	3	Vertical	190	1.50	-
AV	2.4835G	53.80	54.00	-0.20	32.48	3	Vertical	190	1.50	-

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

30/07/2019



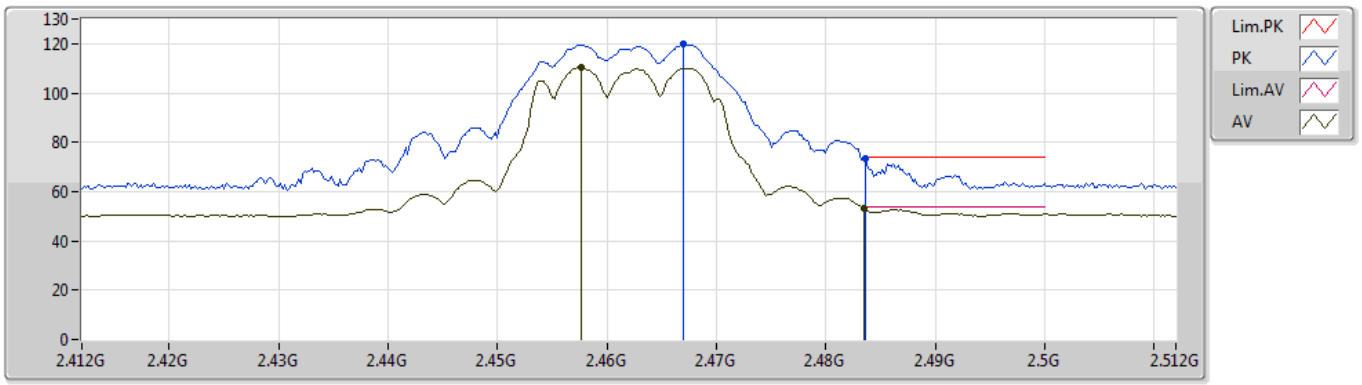
EUT Y_2TX
Setting 96
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4556G	112.39	Inf	-Inf	32.51	3	Horizontal	19	1.47	-
AV	2.4556G	101.06	Inf	-Inf	32.51	3	Horizontal	19	1.47	-
PK	2.4844G	62.60	74.00	-11.40	32.48	3	Horizontal	19	1.47	-
AV	2.485G	47.56	54.00	-6.44	32.48	3	Horizontal	19	1.47	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

15/05/2019



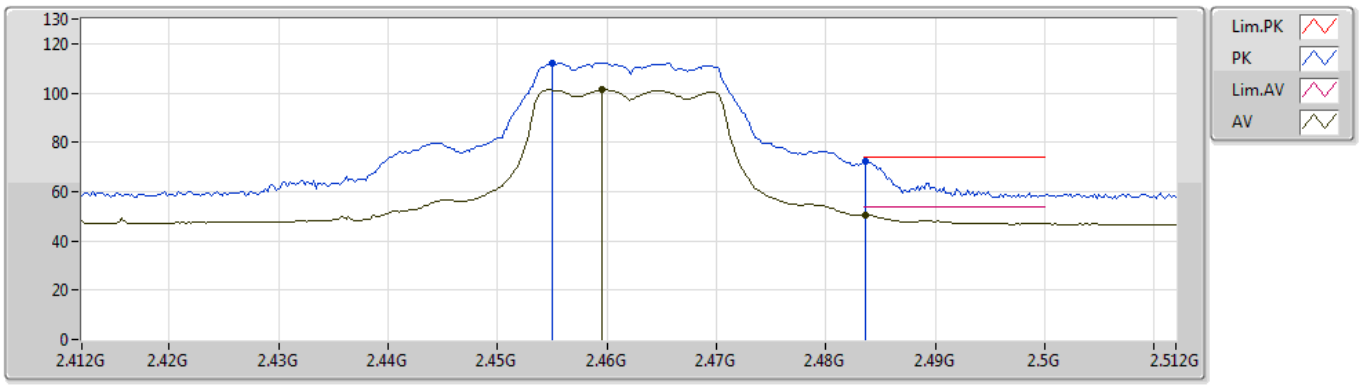
EUT Y_2TX
Setting 90
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.467G	120.03	Inf	-Inf	31.56	3	Vertical	179	1.49	-
AV	2.4576G	110.18	Inf	-Inf	31.53	3	Vertical	179	1.49	-
PK	2.4836G	73.38	74.00	-0.62	31.59	3	Vertical	179	1.49	-
AV	2.4835G	53.39	54.00	-0.61	31.59	3	Vertical	179	1.49	-

802.11g_Nss1,(6Mbps)_2TX

22/07/2019

2462MHz_TX



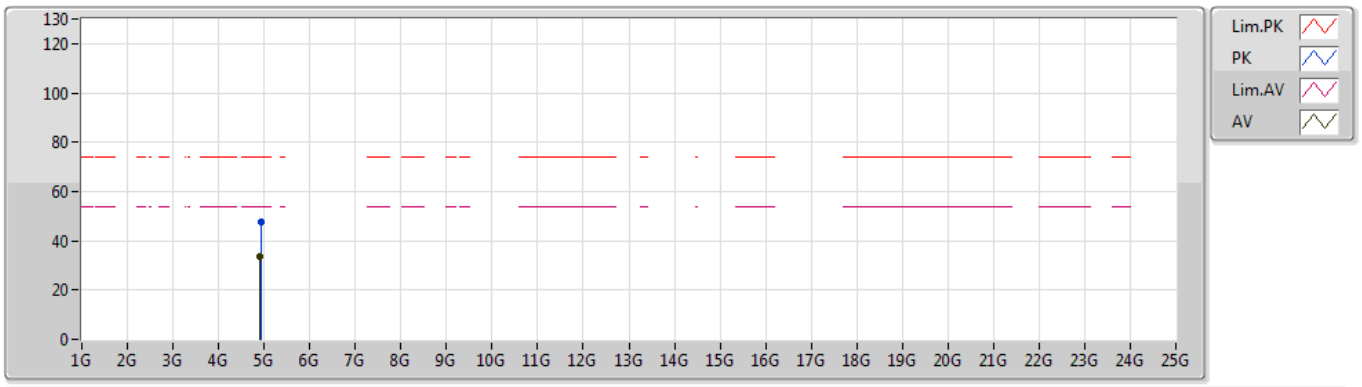
EUT Y_2TX
Setting 90
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.455G	112.23	Inf	-Inf	32.51	3	Horizontal	310	1.07	-
AV	2.4596G	101.33	Inf	-Inf	32.51	3	Horizontal	310	1.07	-
PK	2.4836G	72.11	74.00	-1.89	32.48	3	Horizontal	310	1.07	-
AV	2.4836G	50.38	54.00	-3.62	32.48	3	Horizontal	310	1.07	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

22/07/2019



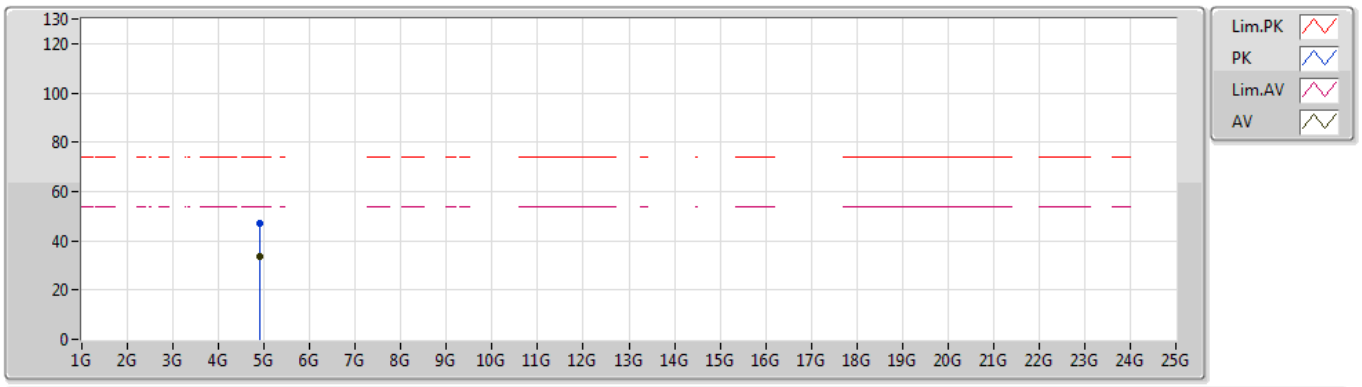
EUT Y_2TX
Setting 90
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92682G	47.57	74.00	-26.43	6.76	3	Vertical	236	2.53	-
AV	4.91542G	33.49	54.00	-20.51	6.71	3	Vertical	236	2.53	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

22/07/2019



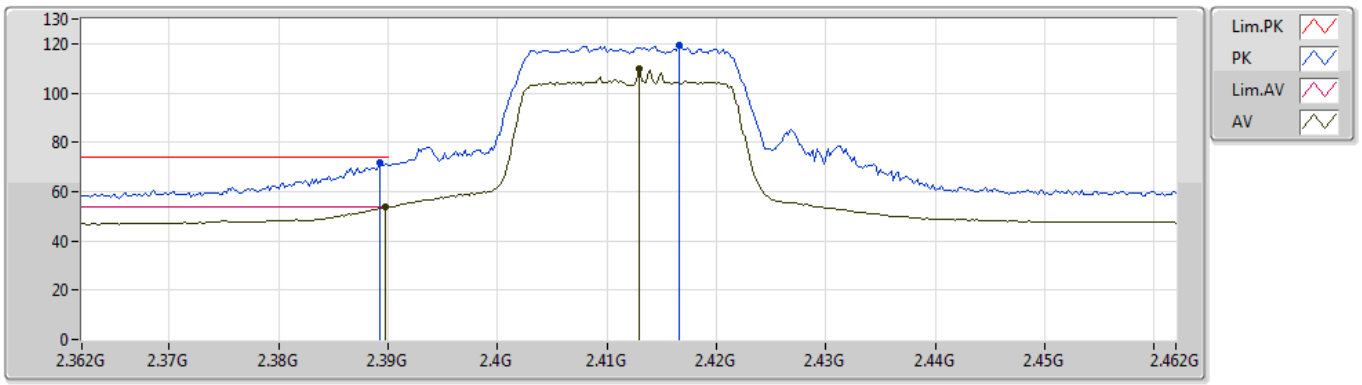
EUT Y_2TX
Setting 90
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.91332G	47.11	74.00	-26.89	6.70	3	Horizontal	130	1.50	-
AV	4.91548G	33.59	54.00	-20.41	6.71	3	Horizontal	130	1.50	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

30/07/2019



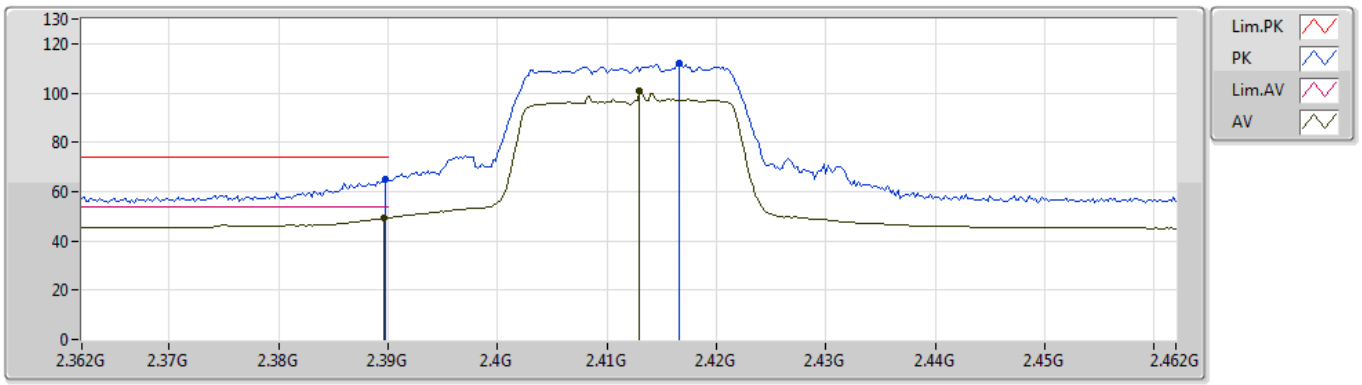
EUT Y_2TX
Setting 80
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3892G	71.49	74.00	-2.51	32.62	3	Vertical	187	1.79	-
AV	2.3898G	53.69	54.00	-0.31	32.62	3	Vertical	187	1.79	-
PK	2.4166G	119.31	Inf	-Inf	32.56	3	Vertical	187	1.79	-
AV	2.413G	109.80	Inf	-Inf	32.56	3	Vertical	187	1.79	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

30/07/2019



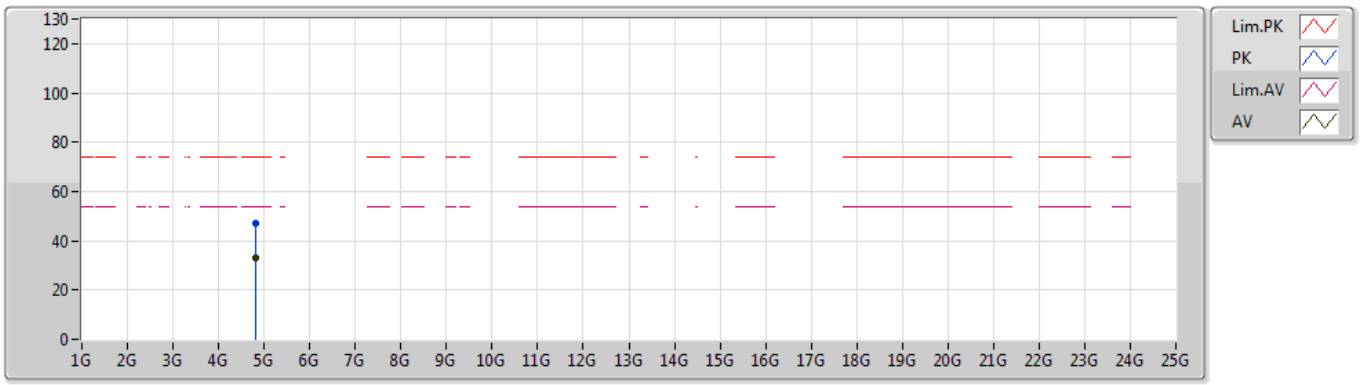
EUT Y_2TX
Setting 80
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	64.81	74.00	-9.19	32.62	3	Horizontal	29	1.52	-
AV	2.3896G	49.20	54.00	-4.80	32.62	3	Horizontal	29	1.52	-
PK	2.4166G	112.09	Inf	-Inf	32.56	3	Horizontal	29	1.52	-
AV	2.413G	101.07	Inf	-Inf	32.56	3	Horizontal	29	1.52	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

30/07/2019



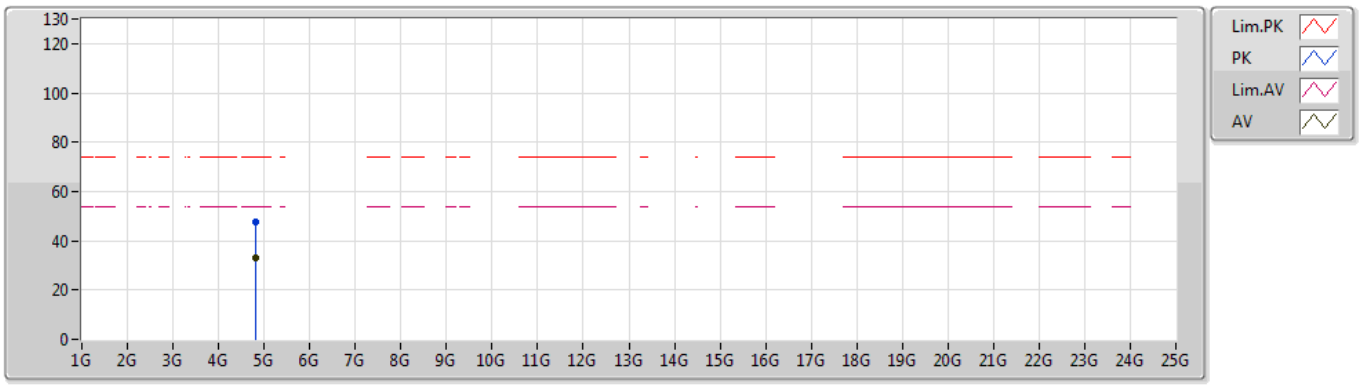
EUT Y_2TX
Setting 80
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.81062G	46.96	74.00	-27.04	6.64	3	Vertical	270	1.49	-
AV	4.809G	32.92	54.00	-21.08	6.63	3	Vertical	270	1.49	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

30/07/2019



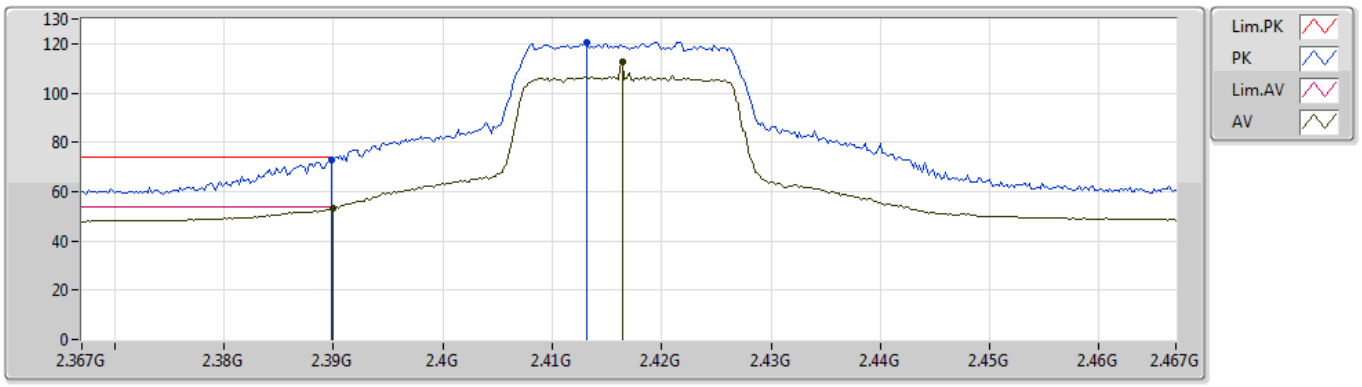
EUT Y_2TX
Setting 80
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.81254G	47.57	74.00	-26.43	6.64	3	Horizontal	167	1.50	-
AV	4.8099G	33.07	54.00	-20.93	6.63	3	Horizontal	167	1.50	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2417MHz_TX

30/07/2019



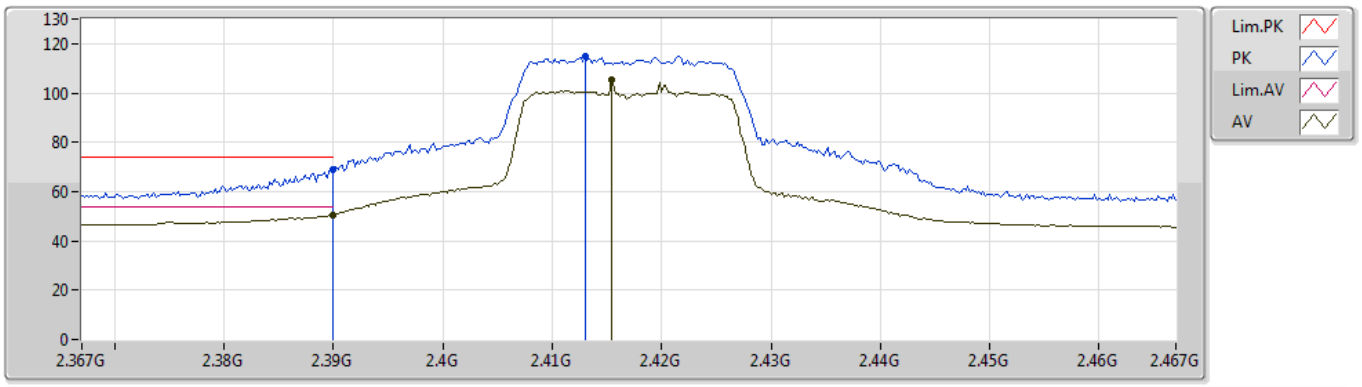
EUT Y_2TX
Setting 90
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	73.07	74.00	-0.93	32.62	3	Vertical	181	1.31	-
AV	2.39G	53.51	54.00	-0.49	32.62	3	Vertical	181	1.31	-
PK	2.4132G	120.74	Inf	-Inf	32.56	3	Vertical	181	1.31	-
AV	2.4164G	112.57	Inf	-Inf	32.56	3	Vertical	181	1.31	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2417MHz_TX

30/07/2019



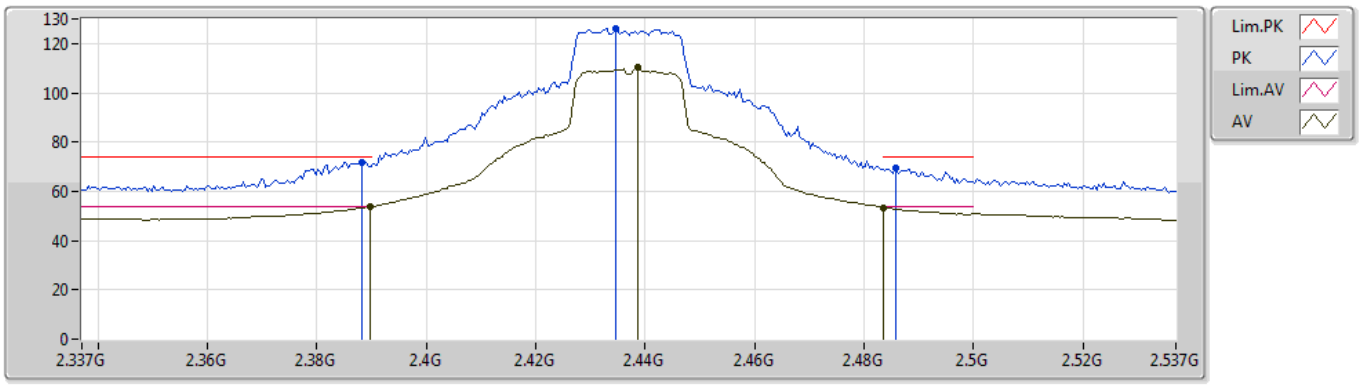
EUT Y_2TX
Setting 90
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	68.80	74.00	-5.20	32.62	3	Horizontal	322	1.01	-
AV	2.39G	50.63	54.00	-3.37	32.62	3	Horizontal	322	1.01	-
PK	2.413G	114.85	Inf	-Inf	32.56	3	Horizontal	322	1.01	-
AV	2.4154G	105.36	Inf	-Inf	32.56	3	Horizontal	322	1.01	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

30/07/2019



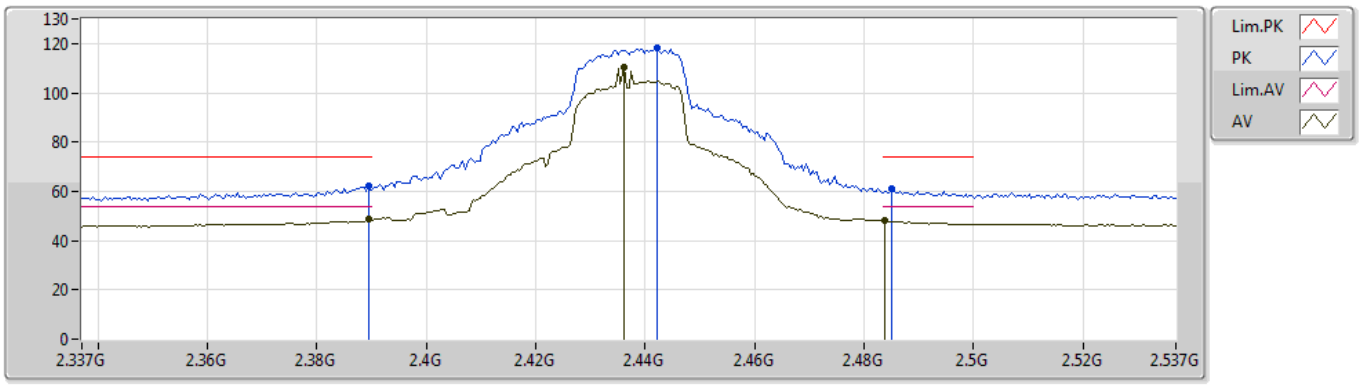
EUT Y_2TX
Setting 111
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3882G	71.95	74.00	-2.05	32.62	3	Vertical	192	2.46	-
AV	2.3898G	53.85	54.00	-0.15	32.62	3	Vertical	192	2.46	-
PK	2.4346G	126.25	Inf	-Inf	32.54	3	Vertical	192	2.46	-
AV	2.4386G	110.12	Inf	-Inf	32.53	3	Vertical	192	2.46	-
PK	2.4858G	69.29	74.00	-4.71	32.48	3	Vertical	192	2.46	-
AV	2.4835G	53.51	54.00	-0.49	32.48	3	Vertical	192	2.46	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

30/07/2019



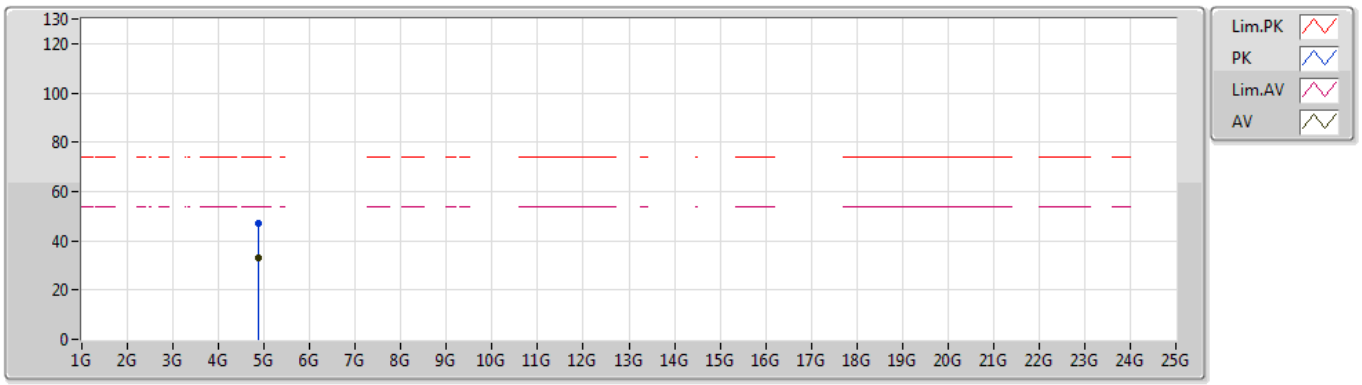
EUT Y_2TX
Setting 111
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	62.14	74.00	-11.86	32.62	3	Horizontal	301	1.14	-
AV	2.3894G	48.61	54.00	-5.39	32.62	3	Horizontal	301	1.14	-
PK	2.4422G	118.22	Inf	-Inf	32.53	3	Horizontal	301	1.14	-
AV	2.4362G	110.46	Inf	-Inf	32.54	3	Horizontal	301	1.14	-
PK	2.485G	60.84	74.00	-13.16	32.48	3	Horizontal	301	1.14	-
AV	2.4838G	48.17	54.00	-5.83	32.48	3	Horizontal	301	1.14	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

30/07/2019



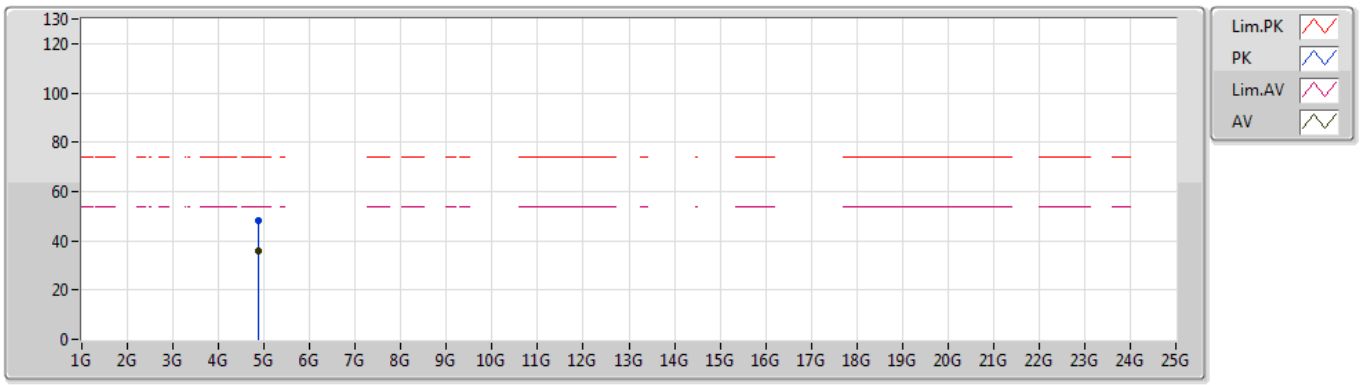
EUT Y_2TX
Setting 111
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87032G	47.27	74.00	-26.73	6.64	3	Vertical	281	1.94	-
AV	4.86992G	33.13	54.00	-20.87	6.63	3	Vertical	281	1.94	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

30/07/2019



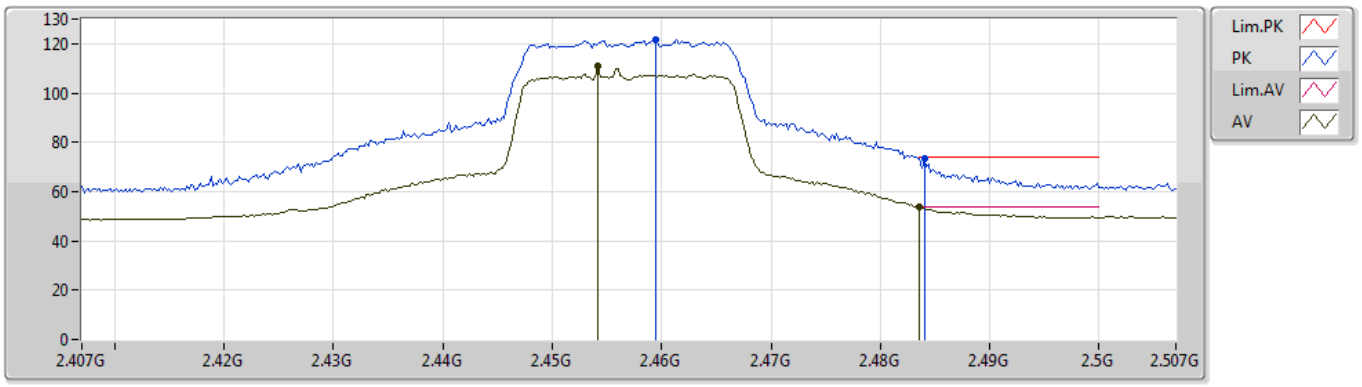
EUT Y_2TX
Setting 111
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87432G	48.35	74.00	-25.65	6.64	3	Horizontal	290	2.91	-
AV	4.8742G	36.02	54.00	-17.98	6.64	3	Horizontal	290	2.91	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2457MHz_TX

30/07/2019



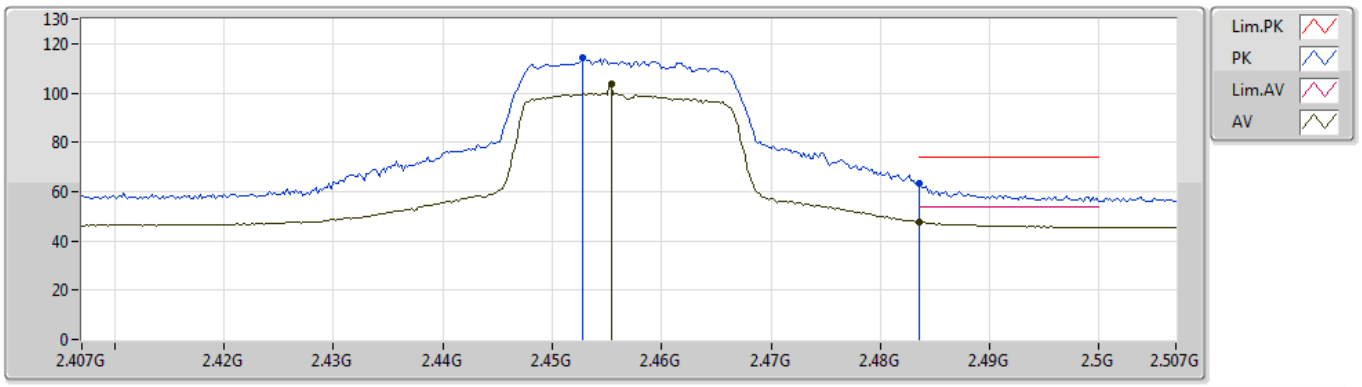
EUT Y_2TX
Setting 92
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4594G	121.66	Inf	-Inf	32.51	3	Vertical	182	1.50	-
AV	2.4542G	111.00	Inf	-Inf	32.51	3	Vertical	182	1.50	-
PK	2.484G	73.63	74.00	-0.37	32.48	3	Vertical	182	1.50	-
AV	2.4835G	53.93	54.00	-0.07	32.48	3	Vertical	182	1.50	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2457MHz_TX

30/07/2019



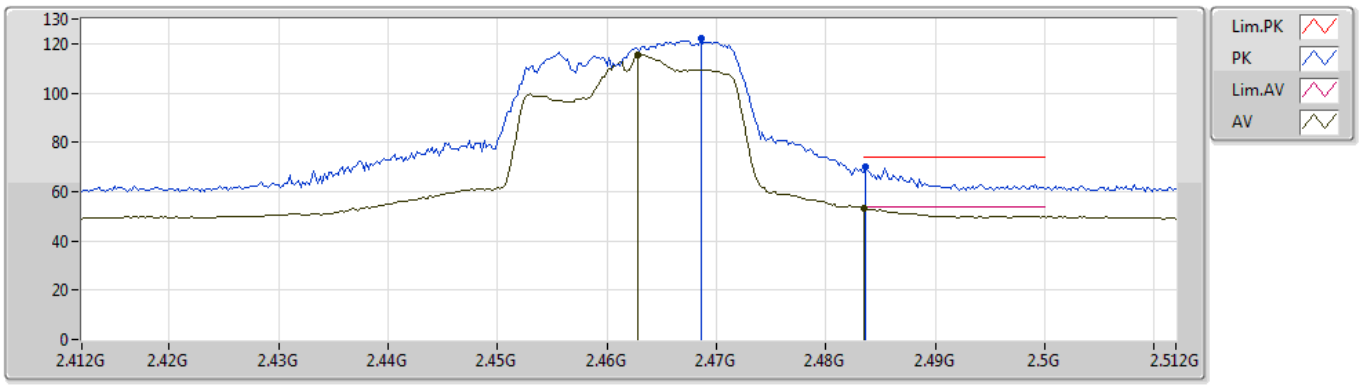
EUT Y_2TX
Setting 92
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4528G	114.08	Inf	-Inf	32.51	3	Horizontal	17	1.47	-
AV	2.4554G	103.54	Inf	-Inf	32.51	3	Horizontal	17	1.47	-
PK	2.4835G	63.12	74.00	-10.88	32.48	3	Horizontal	17	1.47	-
AV	2.4836G	47.68	54.00	-6.32	32.48	3	Horizontal	17	1.47	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

30/07/2019



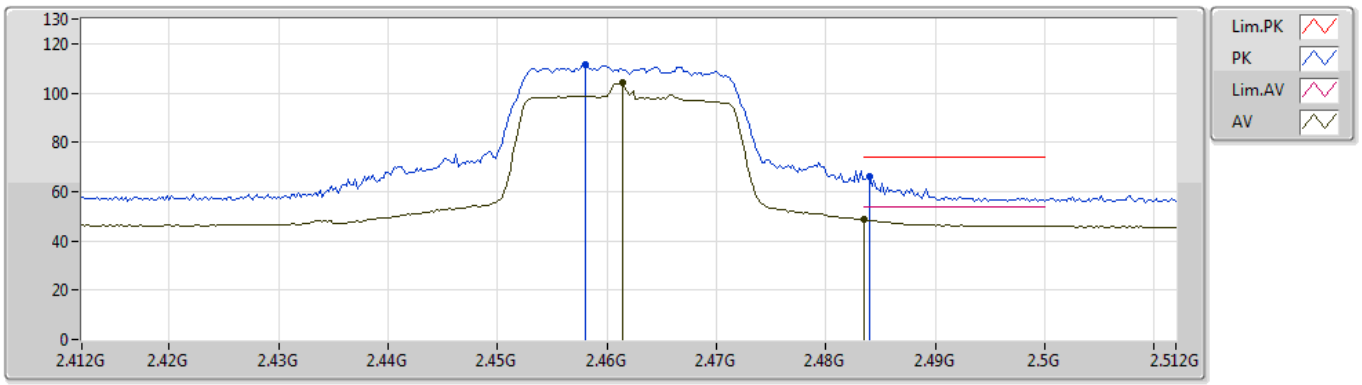
EUT Y_2TX
Setting 86
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4686G	122.17	Inf	-Inf	31.37	3	Vertical	182	1.55	-
AV	2.4628G	115.30	Inf	-Inf	31.36	3	Vertical	182	1.55	-
PK	2.4836G	69.79	74.00	-4.21	31.39	3	Vertical	182	1.55	-
AV	2.4835G	53.45	54.00	-0.55	31.39	3	Vertical	182	1.55	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

30/07/2019



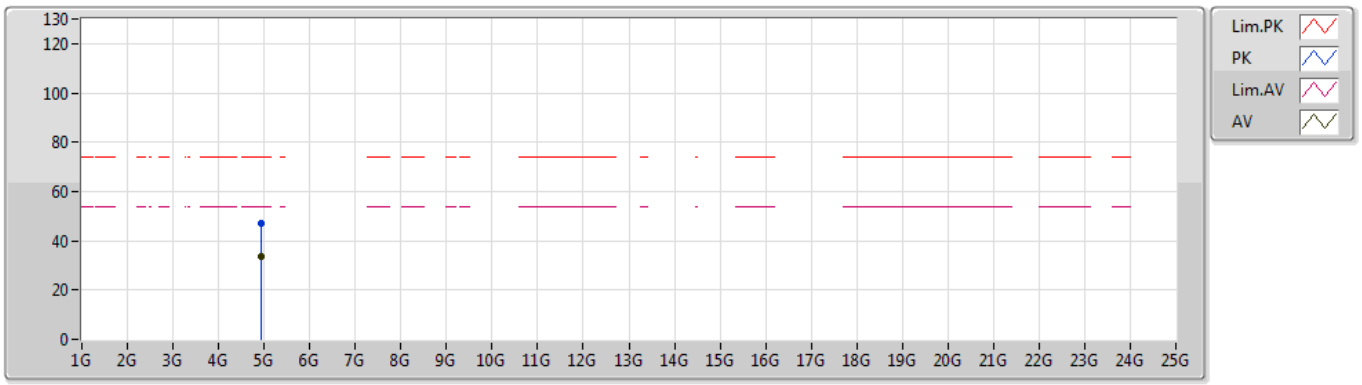
EUT Y_2TX
Setting 86
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.458G	111.73	Inf	-Inf	32.51	3	Horizontal	24	1.20	-
AV	2.4614G	104.31	Inf	-Inf	32.51	3	Horizontal	24	1.20	-
PK	2.484G	66.22	74.00	-7.78	32.48	3	Horizontal	24	1.20	-
AV	2.4835G	48.61	54.00	-5.39	32.48	3	Horizontal	24	1.20	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

30/07/2019



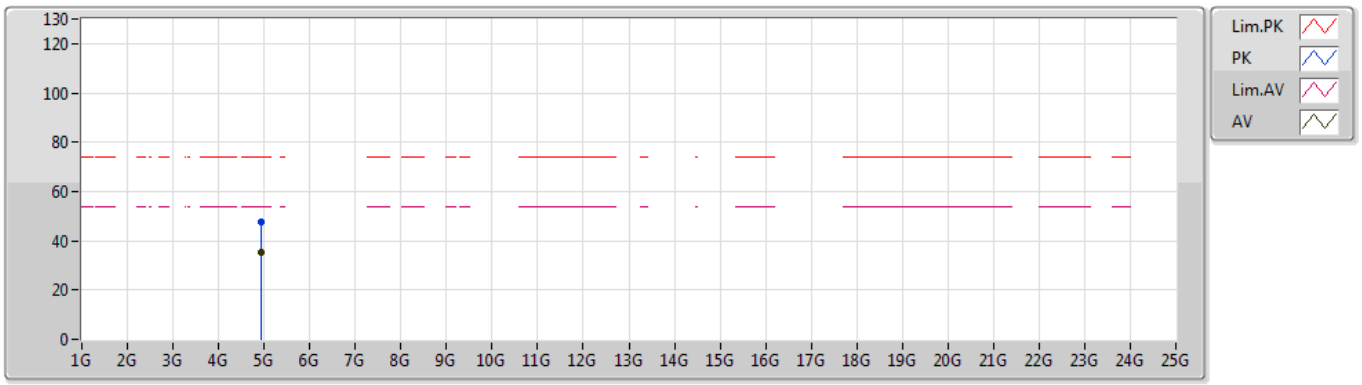
EUT Y_2TX
Setting 86
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.9198G	47.04	74.00	-26.96	6.72	3	Vertical	229	1.50	-
AV	4.92526G	33.82	54.00	-20.18	6.76	3	Vertical	229	1.50	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

30/07/2019



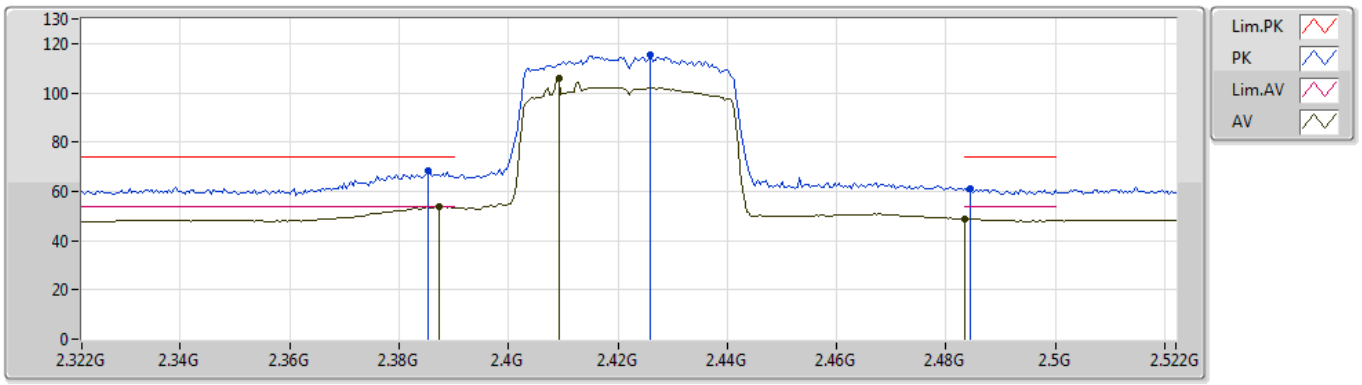
EUT Y_2TX
Setting 86
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92412G	47.41	74.00	-26.59	6.73	3	Horizontal	313	1.01	-
AV	4.92406G	35.41	54.00	-18.59	6.73	3	Horizontal	313	1.01	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

30/07/2019



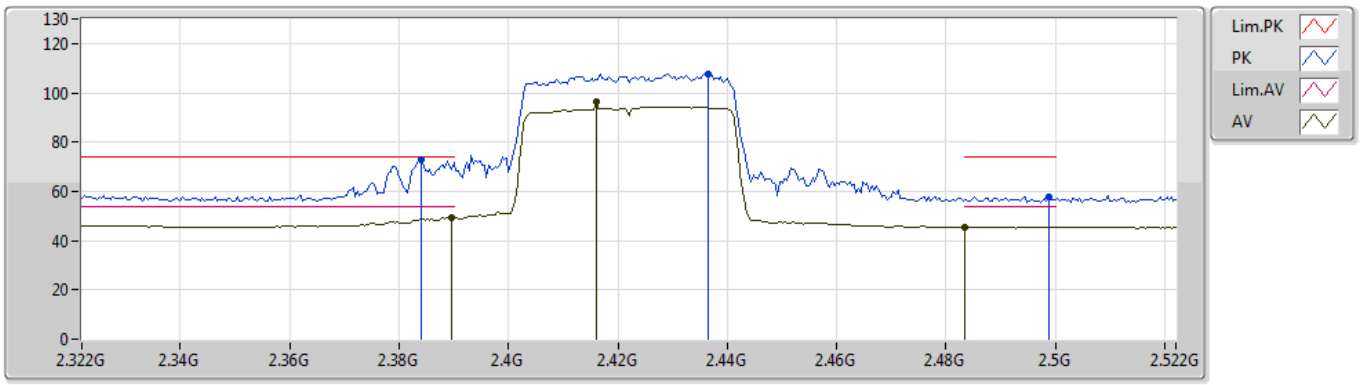
EUT Y_2TX
Setting 73
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3852G	68.18	74.00	-5.82	31.19	3	Vertical	172	1.51	-
AV	2.3872G	53.78	54.00	-0.22	31.20	3	Vertical	172	1.51	-
PK	2.426G	115.21	Inf	-Inf	31.28	3	Vertical	172	1.51	-
AV	2.4092G	105.98	Inf	-Inf	31.24	3	Vertical	172	1.51	-
PK	2.4844G	60.95	74.00	-13.05	31.40	3	Vertical	172	1.51	-
AV	2.4835G	48.78	54.00	-5.22	31.39	3	Vertical	172	1.51	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

30/07/2019



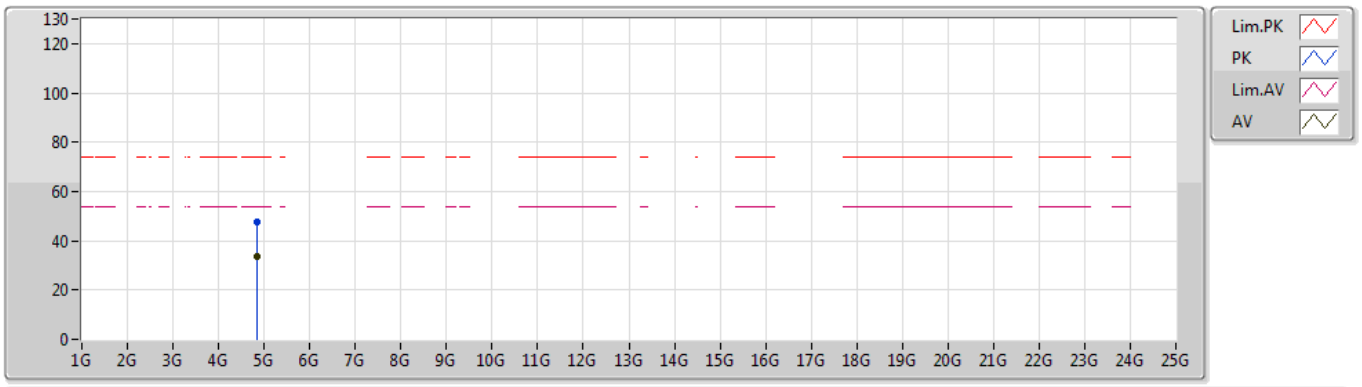
EUT Y_2TX
Setting 73
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.384G	72.65	74.00	-1.35	32.64	3	Horizontal	30	1.06	-
AV	2.3896G	49.40	54.00	-4.60	32.62	3	Horizontal	30	1.06	-
PK	2.4364G	107.68	Inf	-Inf	32.54	3	Horizontal	30	1.06	-
AV	2.416G	96.17	Inf	-Inf	32.56	3	Horizontal	30	1.06	-
PK	2.4988G	57.63	74.00	-16.37	32.46	3	Horizontal	30	1.06	-
AV	2.4835G	45.38	54.00	-8.62	32.48	3	Horizontal	30	1.06	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

30/07/2019



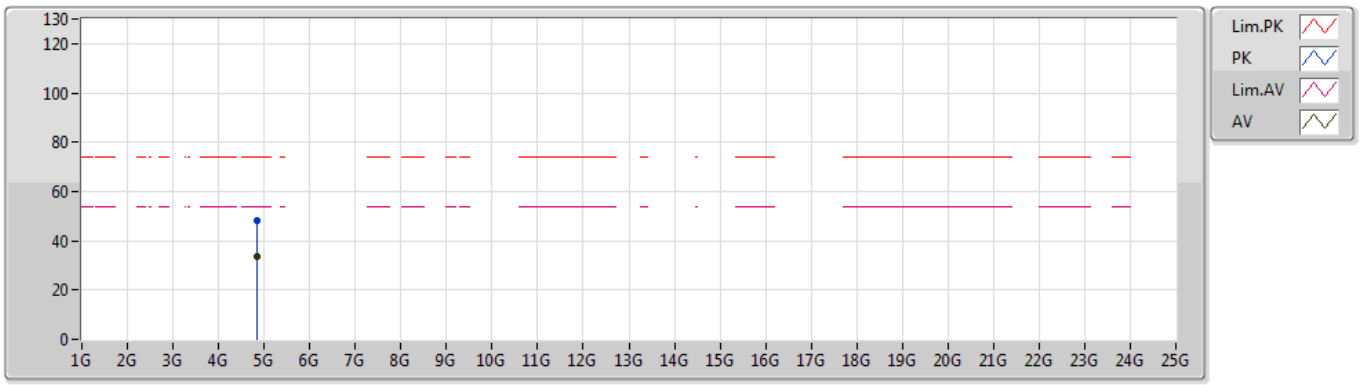
EUT Y_2TX
Setting 73
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.8424G	47.56	74.00	-26.44	6.64	3	Vertical	273	1.70	-
AV	4.84872G	33.66	54.00	-20.34	6.63	3	Vertical	273	1.70	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

30/07/2019



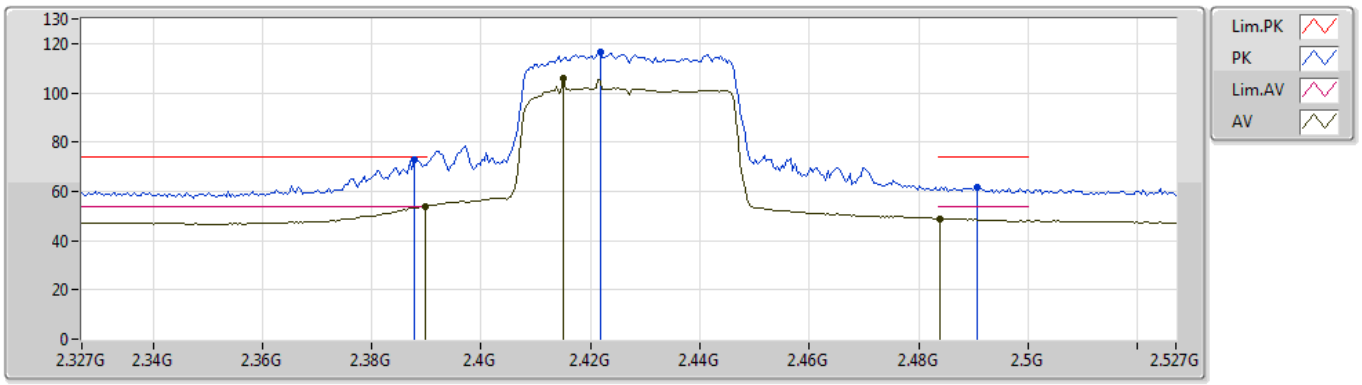
EUT Y_2TX
Setting 73
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.8474G	48.07	74.00	-25.93	6.63	3	Horizontal	263	2.16	-
AV	4.84872G	33.67	54.00	-20.33	6.63	3	Horizontal	263	2.16	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2427MHz_TX

30/07/2019



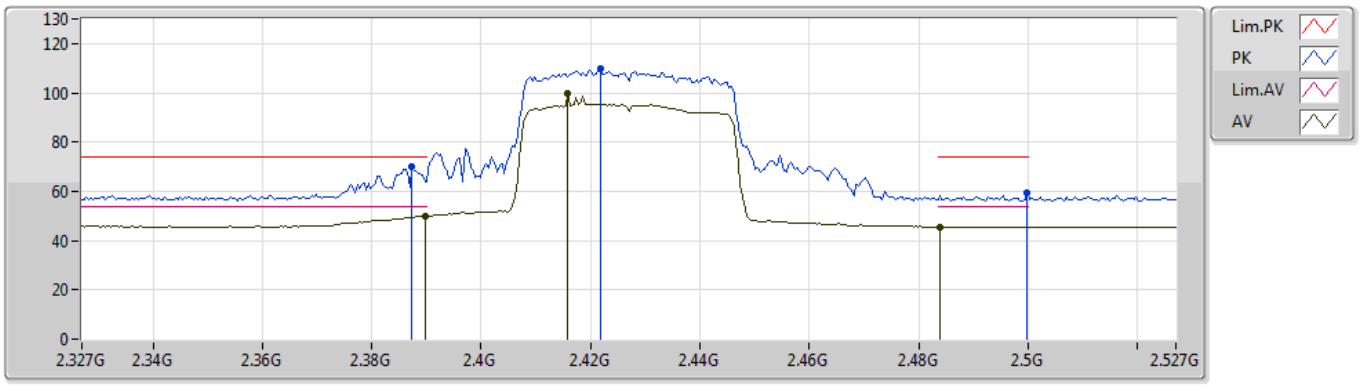
EUT Y_2TX
Setting 78
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3878G	72.87	74.00	-1.13	32.62	3	Vertical	218	1.71	-
AV	2.3898G	53.94	54.00	-0.06	32.62	3	Vertical	218	1.71	-
PK	2.4218G	116.36	Inf	-Inf	32.56	3	Vertical	218	1.71	-
AV	2.415G	105.92	Inf	-Inf	32.56	3	Vertical	218	1.71	-
PK	2.4906G	61.65	74.00	-12.35	32.47	3	Vertical	218	1.71	-
AV	2.4838G	48.88	54.00	-5.12	32.48	3	Vertical	218	1.71	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2427MHz_TX

30/07/2019



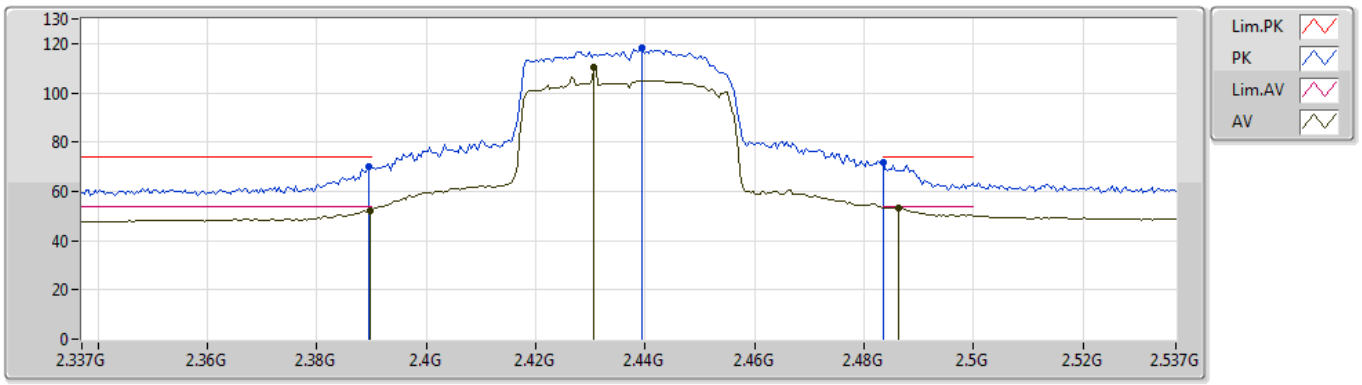
EUT Y_2TX
Setting 78
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3874G	70.02	74.00	-3.98	32.62	3	Horizontal	227	2.46	-
AV	2.3898G	50.09	54.00	-3.91	32.62	3	Horizontal	227	2.46	-
PK	2.4218G	109.58	Inf	-Inf	32.56	3	Horizontal	227	2.46	-
AV	2.4158G	99.98	Inf	-Inf	32.56	3	Horizontal	227	2.46	-
PK	2.4998G	59.16	74.00	-14.84	32.46	3	Horizontal	227	2.46	-
AV	2.4838G	45.61	54.00	-8.39	32.48	3	Horizontal	227	2.46	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

30/07/2019



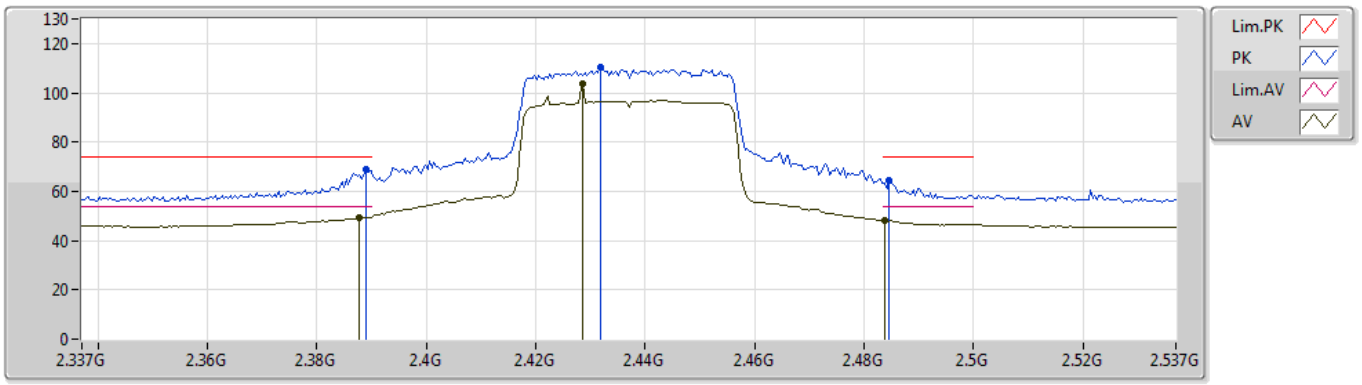
EUT Y_2TX
Setting 91
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	70.04	74.00	-3.96	31.20	3	Vertical	203	1.49	-
AV	2.3898G	52.29	54.00	-1.71	31.20	3	Vertical	203	1.49	-
PK	2.4394G	118.09	Inf	-Inf	31.31	3	Vertical	203	1.49	-
AV	2.4306G	110.14	Inf	-Inf	31.29	3	Vertical	203	1.49	-
PK	2.4835G	71.51	74.00	-2.49	31.39	3	Vertical	203	1.49	-
AV	2.4862G	53.45	54.00	-0.55	31.40	3	Vertical	203	1.49	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

30/07/2019



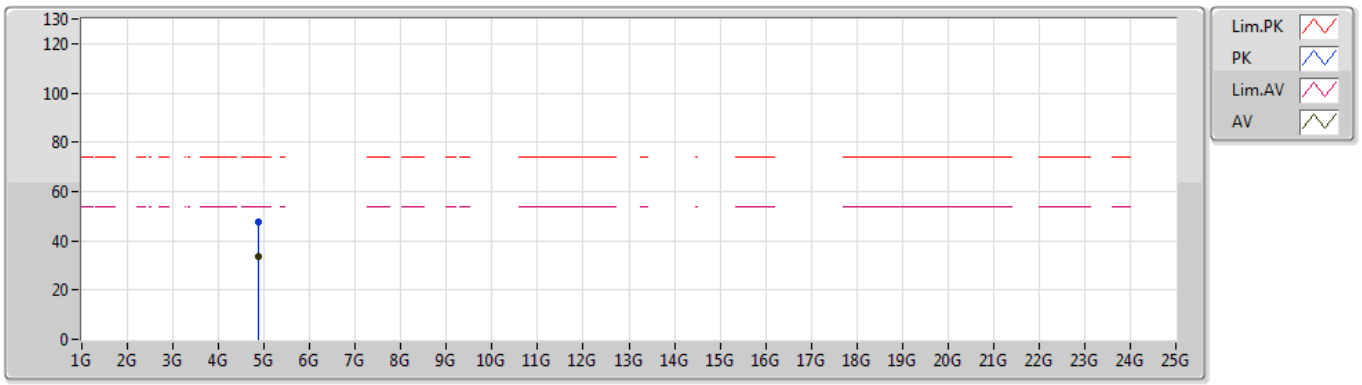
EUT Y_2TX
Setting 91
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389G	68.66	74.00	-5.34	32.63	3	Horizontal	19	2.18	-
AV	2.3878G	49.57	54.00	-4.43	32.62	3	Horizontal	19	2.18	-
PK	2.4318G	110.66	Inf	-Inf	32.55	3	Horizontal	19	2.18	-
AV	2.4286G	103.62	Inf	-Inf	32.54	3	Horizontal	19	2.18	-
PK	2.4846G	64.28	74.00	-9.72	32.48	3	Horizontal	19	2.18	-
AV	2.4838G	48.00	54.00	-6.00	32.48	3	Horizontal	19	2.18	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

30/07/2019



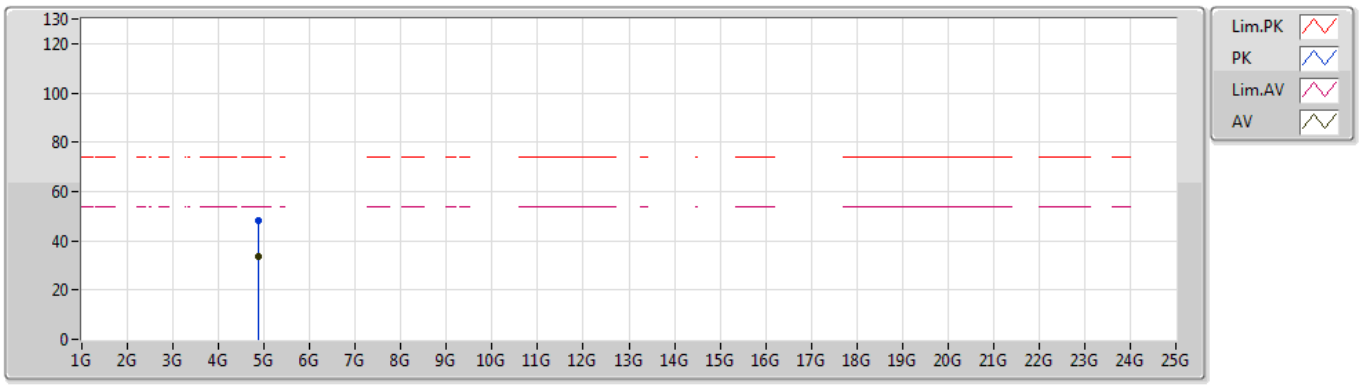
EUT Y_2TX
Setting 91
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.86572G	47.46	74.00	-26.54	6.63	3	Vertical	44	2.43	-
AV	4.87756G	33.76	54.00	-20.24	6.64	3	Vertical	44	2.43	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

30/07/2019



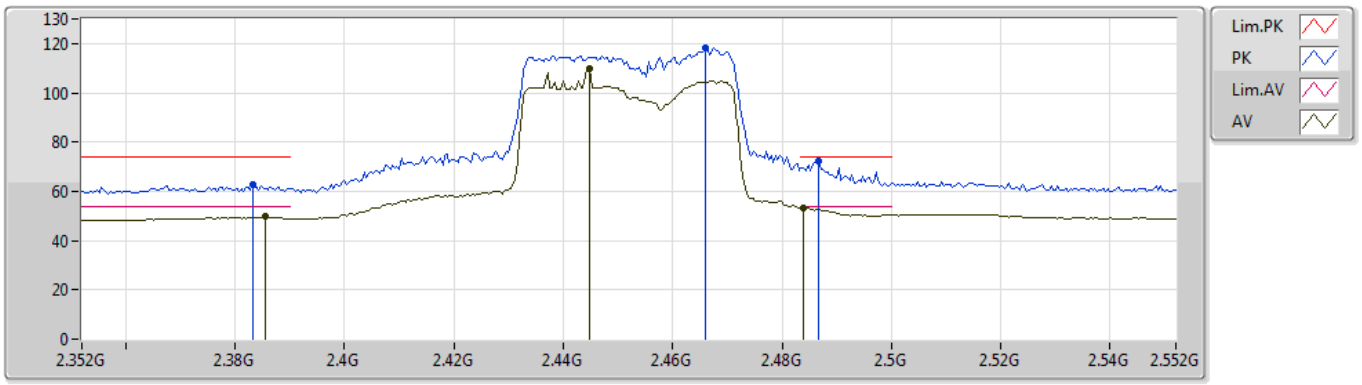
EUT Y_2TX
Setting 91
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.88392G	47.99	74.00	-26.01	6.64	3	Horizontal	80	1.38	-
AV	4.86704G	33.87	54.00	-20.13	6.63	3	Horizontal	80	1.38	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

30/07/2019



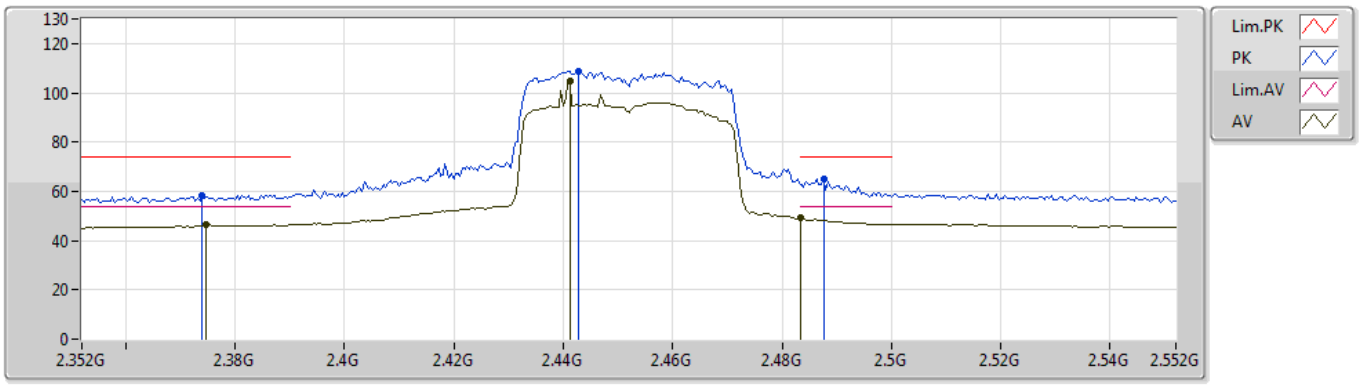
EUT Y_2TX
Setting 84
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3832G	62.57	74.00	-11.43	31.19	3	Vertical	182	1.50	-
AV	2.3856G	49.61	54.00	-4.39	31.19	3	Vertical	182	1.50	-
PK	2.466G	118.36	Inf	-Inf	31.37	3	Vertical	182	1.50	-
AV	2.4448G	109.67	Inf	-Inf	31.32	3	Vertical	182	1.50	-
PK	2.4868G	72.30	74.00	-1.70	31.40	3	Vertical	182	1.50	-
AV	2.484G	53.41	54.00	-0.59	31.39	3	Vertical	182	1.50	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

30/07/2019



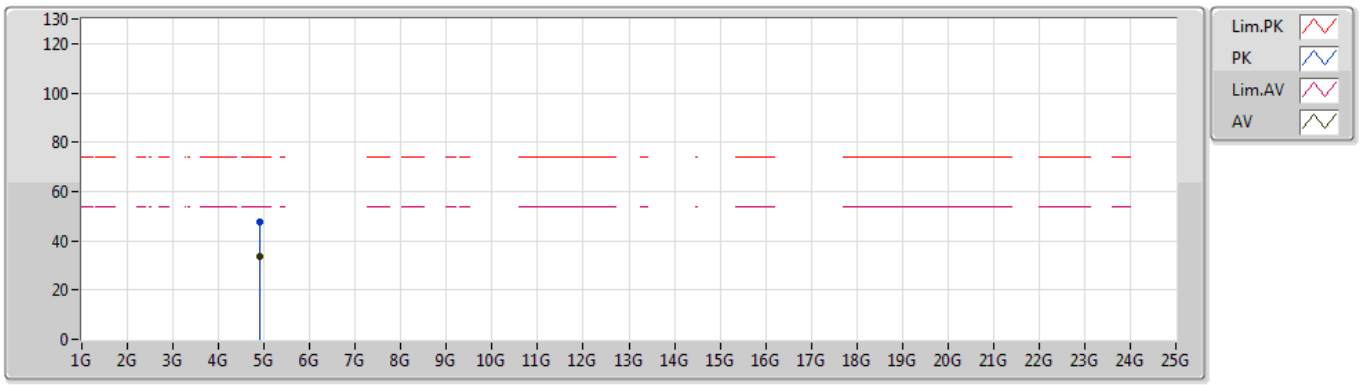
EUT Y_2TX
Setting 84
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.374G	58.46	74.00	-15.54	32.68	3	Horizontal	306	1.04	-
AV	2.3748G	46.63	54.00	-7.37	32.68	3	Horizontal	306	1.04	-
PK	2.4428G	108.88	Inf	-Inf	32.52	3	Horizontal	306	1.04	-
AV	2.4412G	104.69	Inf	-Inf	32.53	3	Horizontal	306	1.04	-
PK	2.4876G	65.03	74.00	-8.97	32.47	3	Horizontal	306	1.04	-
AV	2.4835G	49.04	54.00	-4.96	32.48	3	Horizontal	306	1.04	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

30/07/2019

2452MHz_TX



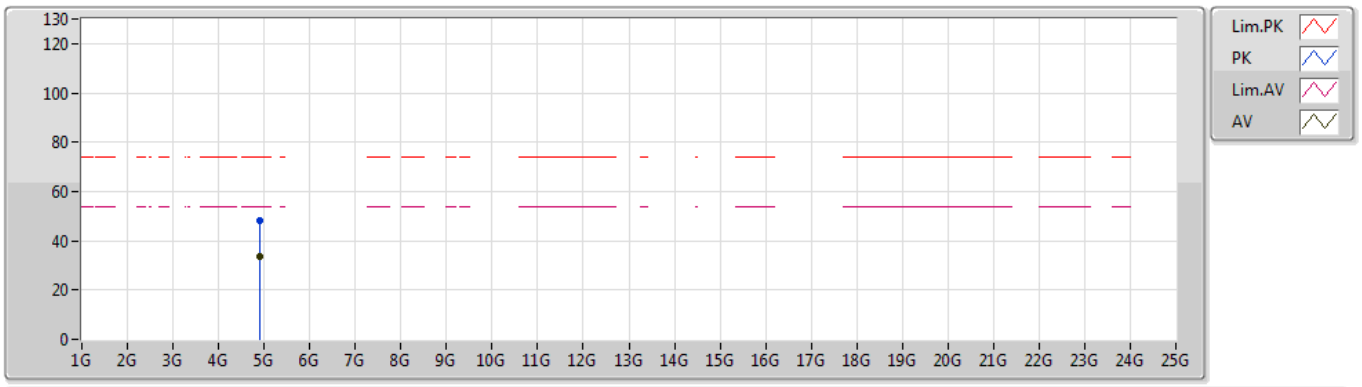
EUT Y_2TX
Setting 84
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.9118G	47.45	74.00	-26.55	6.70	3	Vertical	285	1.77	-
AV	4.8984G	33.74	54.00	-20.26	6.64	3	Vertical	285	1.77	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

30/07/2019



EUT Y_2TX
Setting 84
06-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.90756G	48.14	74.00	-25.86	6.66	3	Horizontal	254	1.88	-
AV	4.89696G	33.73	54.00	-20.27	6.64	3	Horizontal	254	1.88	-

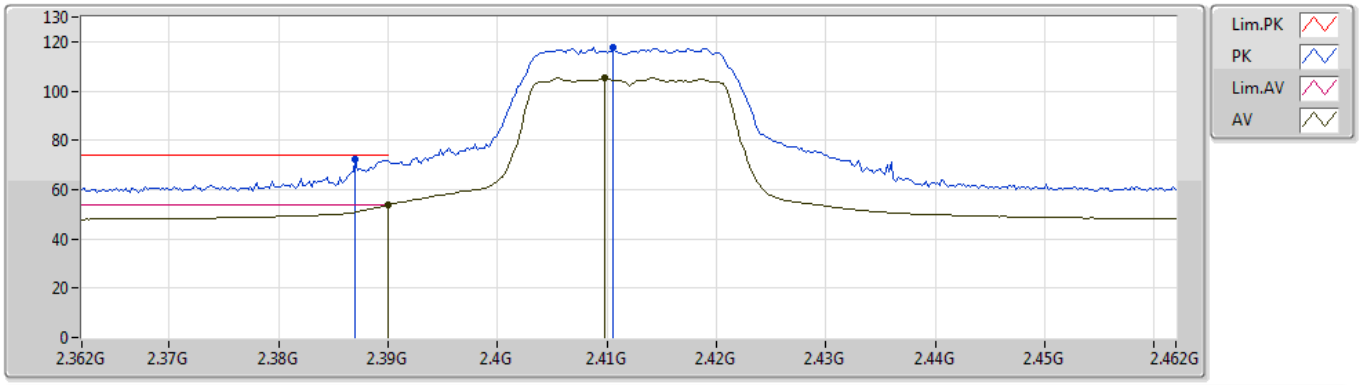
For 2T2S
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40_Nss2,(MCS0)_2TX	Pass	AV	2.3898G	53.98	54.00	-0.02	32.62	3	Vertical	191	1.58	-

802.11ax HEW20_Nss2,(MCS0)_2TX

08/07/2019

2412MHz_TX



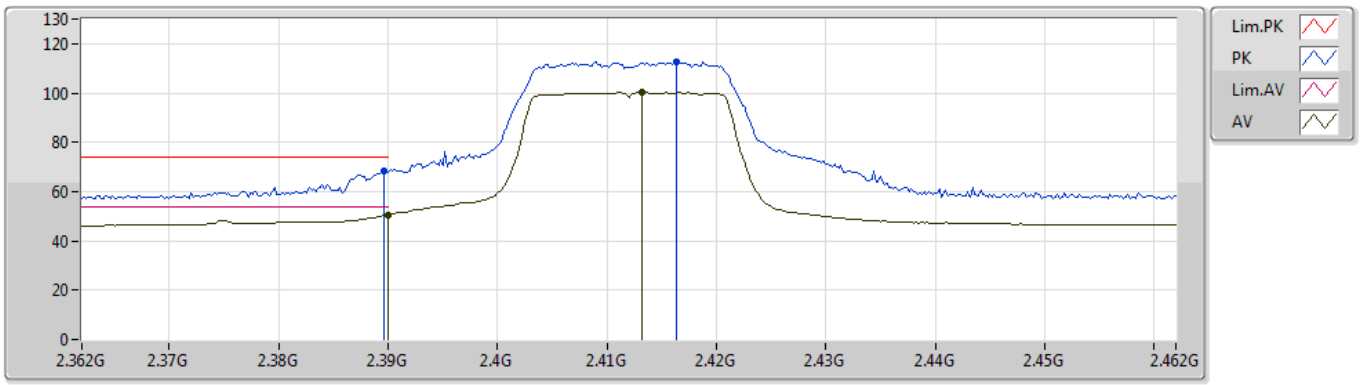
EUT Y_2TX
Setting 83
06-K-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.387G	72.10	74.00	-1.90	32.11	3	Vertical	183	1.58	-
AV	2.39G	53.68	54.00	-0.32	32.13	3	Vertical	183	1.58	-
PK	2.4106G	117.64	Inf	-Inf	32.19	3	Vertical	183	1.58	-
AV	2.4098G	105.42	Inf	-Inf	32.19	3	Vertical	183	1.58	-

802.11ax HEW20_Nss2,(MCS0)_2TX

22/07/2019

2412MHz_TX



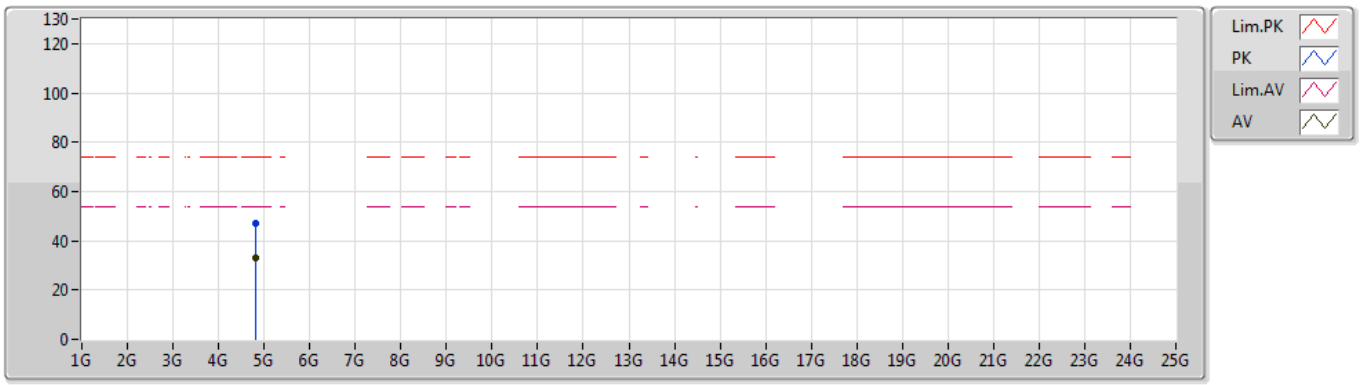
EUT Y_2TX
Setting 83
06-K-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3896G	68.59	74.00	-5.41	32.13	3	Horizontal	315	1.01	-
AV	2.39G	50.67	54.00	-3.33	32.13	3	Horizontal	315	1.01	-
PK	2.4164G	112.52	Inf	-Inf	32.21	3	Horizontal	315	1.01	-
AV	2.4132G	100.14	Inf	-Inf	32.20	3	Horizontal	315	1.01	-

802.11ax HEW20_Nss2,(MCS0)_2TX

22/07/2019

2412MHz_TX



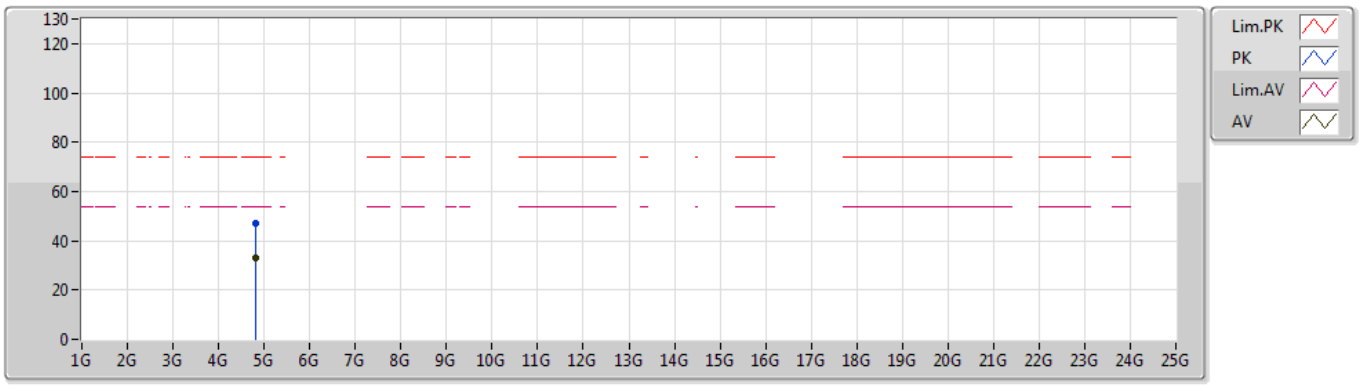
EUT Y_2TX
Setting 83
06-K-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82244G	47.08	74.00	-26.92	6.63	3	Vertical	158	1.50	-
AV	4.82136G	33.15	54.00	-20.85	6.63	3	Vertical	158	1.50	-

802.11ax HEW20_Nss2,(MCS0)_2TX

22/07/2019

2412MHz_TX



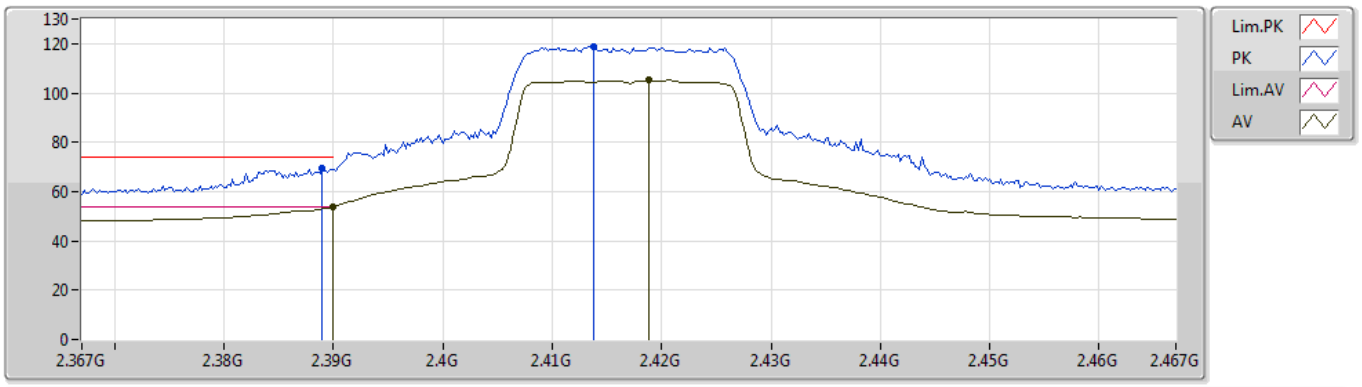
EUT Y_2TX
Setting 83
06-K-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82464G	47.30	74.00	-26.70	6.63	3	Horizontal	341	1.01	-
AV	4.82202G	33.11	54.00	-20.89	6.63	3	Horizontal	341	1.01	-

802.11ax HEW20_Nss2,(MCS0)_2TX

2417MHz_TX

30/07/2019



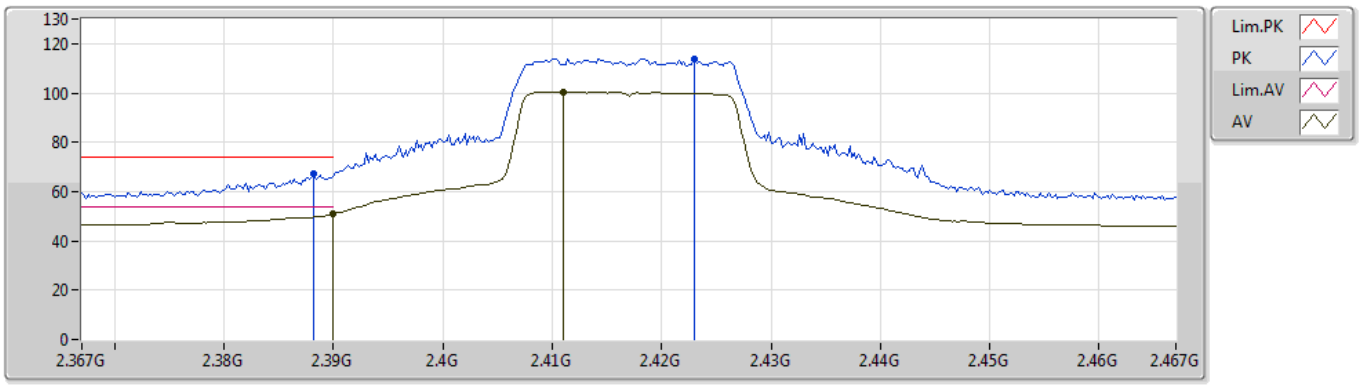
EUT Y_2TX
Setting 92
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389G	69.40	74.00	-4.60	32.63	3	Vertical	196	1.82	-
AV	2.39G	53.96	54.00	-0.04	32.62	3	Vertical	196	1.82	-
PK	2.4138G	118.63	Inf	-Inf	32.56	3	Vertical	196	1.82	-
AV	2.4188G	105.10	Inf	-Inf	32.56	3	Vertical	196	1.82	-

802.11ax HEW20_Nss2,(MCS0)_2TX

2417MHz_TX

30/07/2019



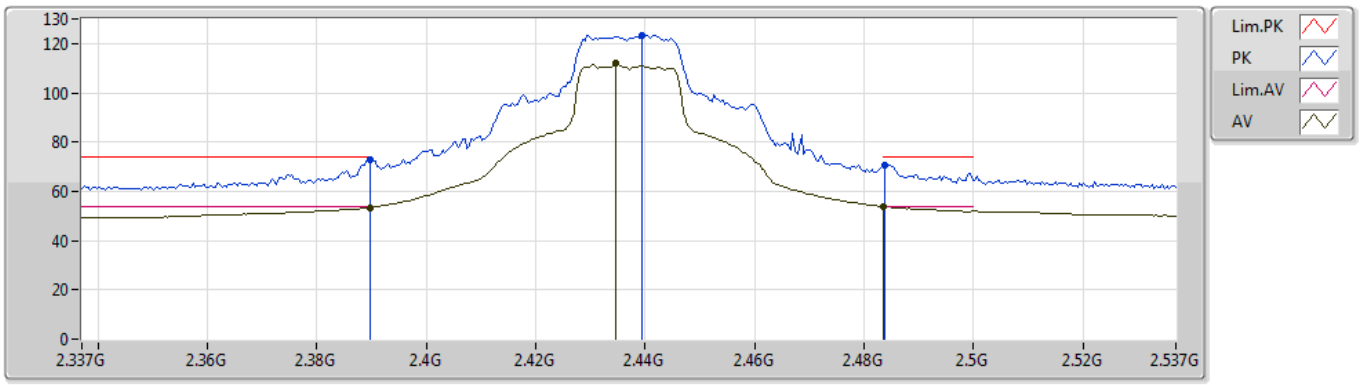
EUT Y_2TX
Setting 92
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3882G	67.40	74.00	-6.60	32.62	3	Horizontal	321	1.06	-
AV	2.39G	50.95	54.00	-3.05	32.62	3	Horizontal	321	1.06	-
PK	2.423G	113.96	Inf	-Inf	32.55	3	Horizontal	321	1.06	-
AV	2.411G	100.46	Inf	-Inf	32.57	3	Horizontal	321	1.06	-

802.11ax HEW20_Nss2,(MCS0)_2TX

22/07/2019

2437MHz_TX



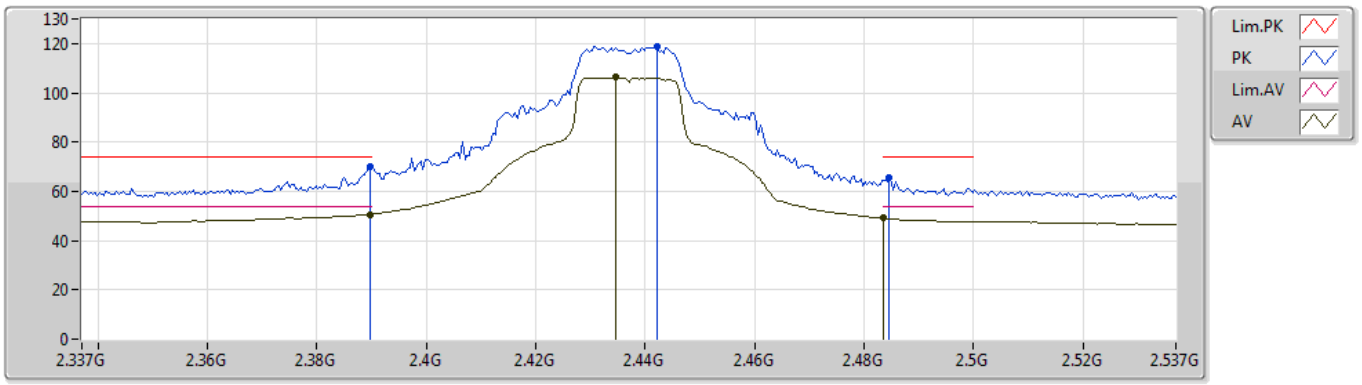
EUT Y_2TX
Setting 110
06-K-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	72.69	74.00	-1.31	32.13	3	Vertical	184	1.56	-
AV	2.3898G	53.48	54.00	-0.52	32.13	3	Vertical	184	1.56	-
PK	2.4394G	123.43	Inf	-Inf	32.28	3	Vertical	184	1.56	-
AV	2.4346G	111.95	Inf	-Inf	32.27	3	Vertical	184	1.56	-
PK	2.4838G	70.78	74.00	-3.22	32.41	3	Vertical	184	1.56	-
AV	2.4835G	53.87	54.00	-0.13	32.41	3	Vertical	184	1.56	-

802.11ax HEW20_Nss2,(MCS0)_2TX

22/07/2019

2437MHz_TX



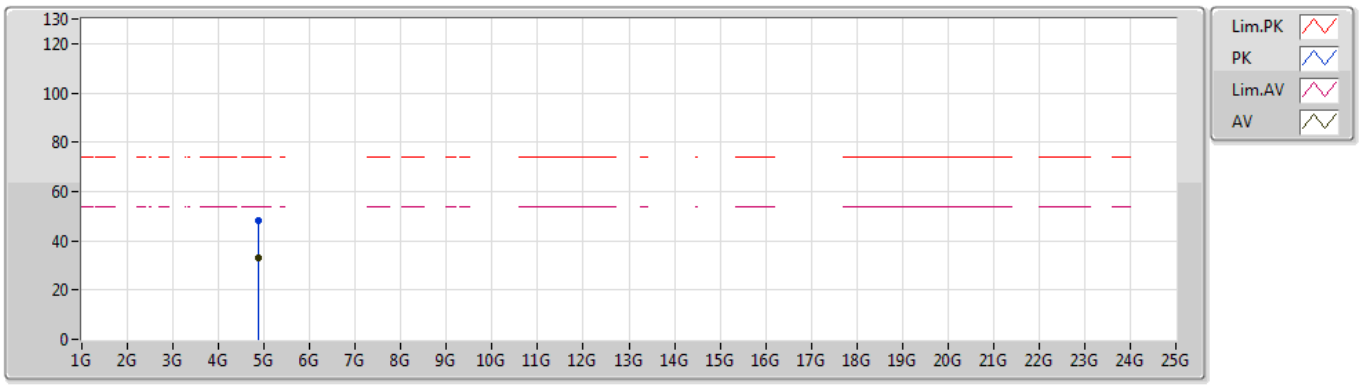
EUT Y_2TX
Setting 110
06-K-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	69.99	74.00	-4.01	32.62	3	Horizontal	317	1.08	-
AV	2.3898G	50.62	54.00	-3.38	32.62	3	Horizontal	317	1.08	-
PK	2.4422G	118.59	Inf	-Inf	32.53	3	Horizontal	317	1.08	-
AV	2.4346G	106.42	Inf	-Inf	32.54	3	Horizontal	317	1.08	-
PK	2.4846G	65.70	74.00	-8.30	32.48	3	Horizontal	317	1.08	-
AV	2.4835G	49.17	54.00	-4.83	32.48	3	Horizontal	317	1.08	-

802.11ax HEW20_Nss2,(MCS0)_2TX

22/07/2019

2437MHz_TX



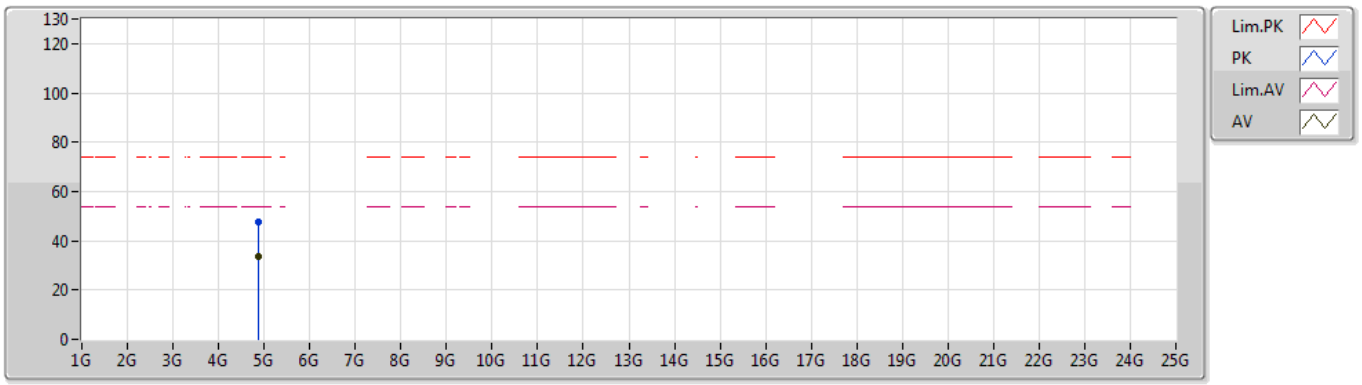
EUT Y_2TX
Setting 110
06-K-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.8701G	48.12	74.00	-25.88	6.64	3	Vertical	226	1.02	-
AV	4.86978G	33.34	54.00	-20.66	6.63	3	Vertical	226	1.02	-

802.11ax HEW20_Nss2,(MCS0)_2TX

22/07/2019

2437MHz_TX



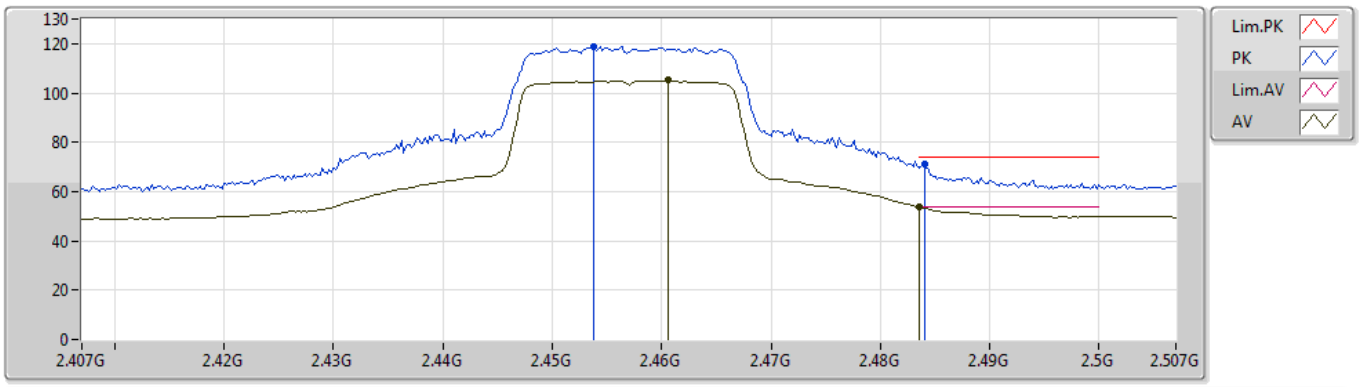
EUT Y_2TX
Setting 110
06-K-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87014G	47.44	74.00	-26.56	6.64	3	Horizontal	321	2.97	-
AV	4.8777G	33.55	54.00	-20.45	6.64	3	Horizontal	321	2.97	-

802.11ax HEW20_Nss2,(MCS0)_2TX

2457MHz_TX

30/07/2019



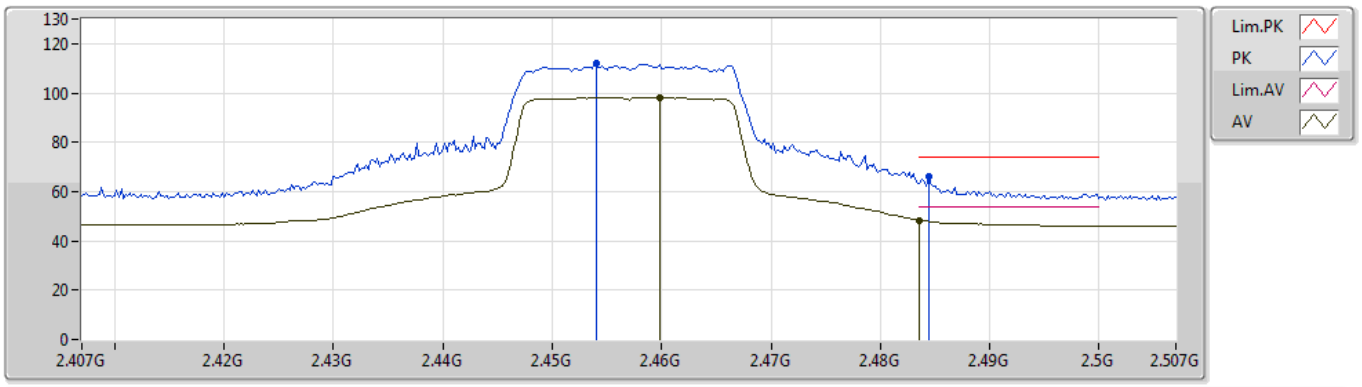
EUT Y_2TX
Setting 93
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4538G	118.71	Inf	-Inf	32.51	3	Vertical	184	1.50	-
AV	2.4606G	105.13	Inf	-Inf	32.51	3	Vertical	184	1.50	-
PK	2.484G	71.19	74.00	-2.81	32.48	3	Vertical	184	1.50	-
AV	2.4835G	53.80	54.00	-0.20	32.48	3	Vertical	184	1.50	-

802.11ax HEW20_Nss2,(MCS0)_2TX

2457MHz_TX

30/07/2019



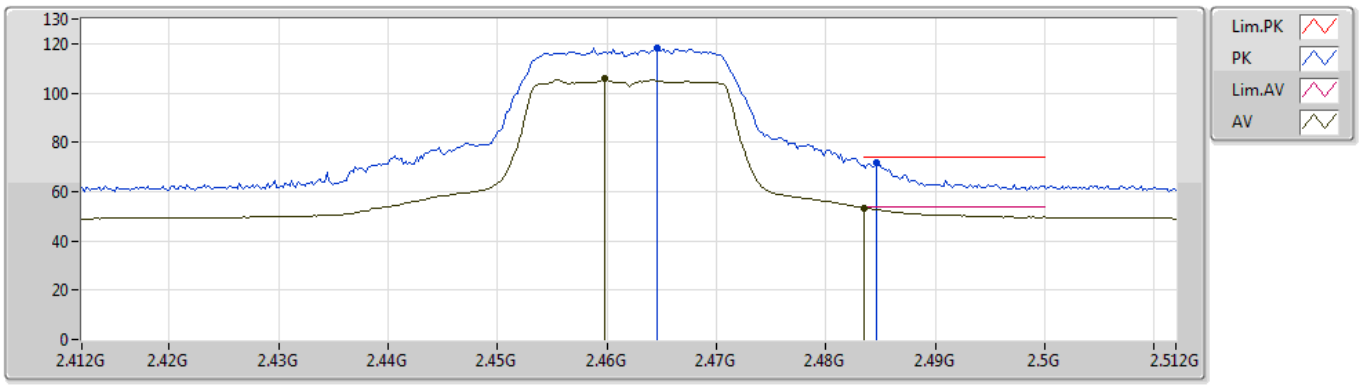
EUT Y_2TX
Setting 93
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.454G	112.22	Inf	-Inf	32.51	3	Horizontal	18	1.01	-
AV	2.4598G	98.19	Inf	-Inf	32.51	3	Horizontal	18	1.01	-
PK	2.4844G	66.19	74.00	-7.81	32.48	3	Horizontal	18	1.01	-
AV	2.4835G	48.46	54.00	-5.54	32.48	3	Horizontal	18	1.01	-

802.11ax HEW20_Nss2,(MCS0)_2TX

22/07/2019

2462MHz_TX



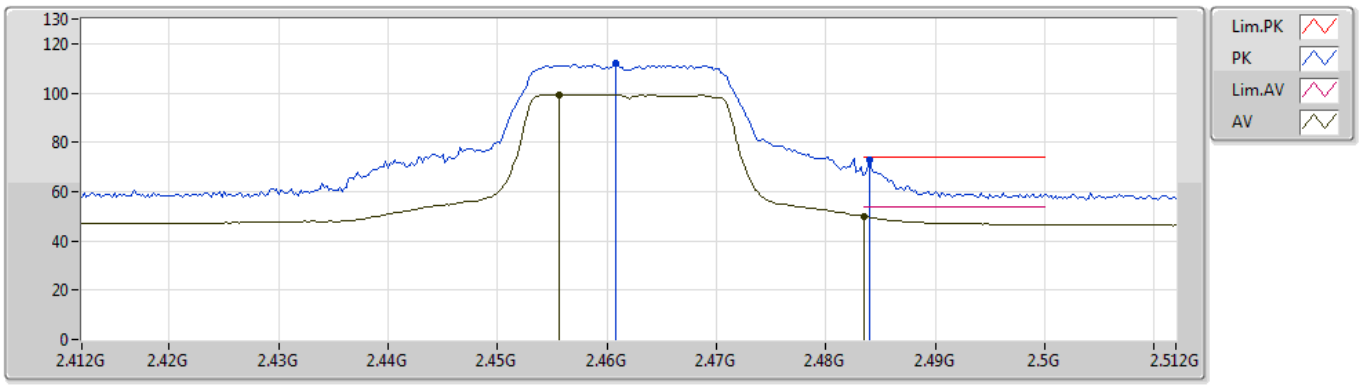
EUT Y_2TX
Setting 88
06-K-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4646G	118.51	Inf	-Inf	32.35	3	Vertical	181	1.38	-
AV	2.4598G	105.63	Inf	-Inf	32.34	3	Vertical	181	1.38	-
PK	2.4846G	71.58	74.00	-2.42	32.42	3	Vertical	181	1.38	-
AV	2.4835G	53.51	54.00	-0.49	32.41	3	Vertical	181	1.38	-

802.11ax HEW20_Nss2,(MCS0)_2TX

22/07/2019

2462MHz_TX



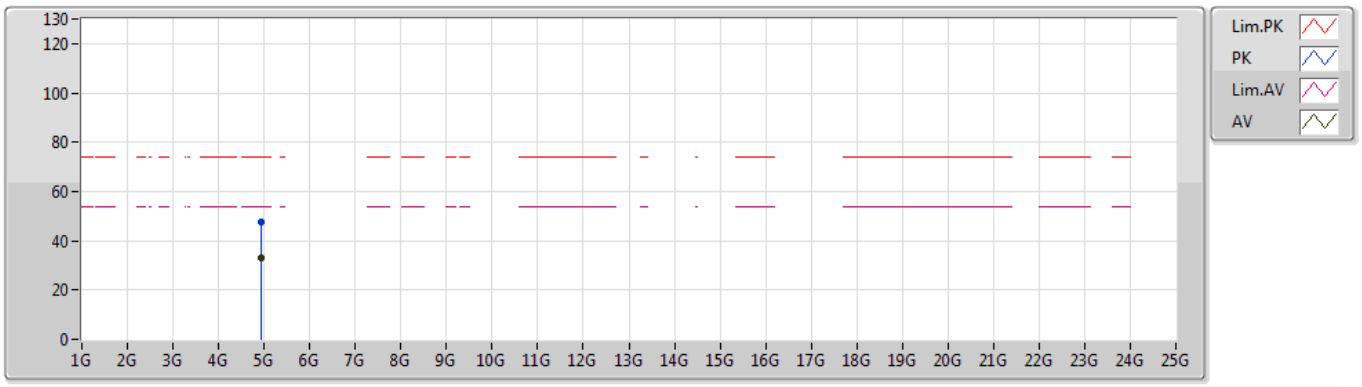
EUT Y_2TX
Setting 88
06-K-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4608G	112.00	Inf	-Inf	32.51	3	Horizontal	314	1.05	-
AV	2.4556G	99.45	Inf	-Inf	32.51	3	Horizontal	314	1.05	-
PK	2.484G	73.03	74.00	-0.97	32.48	3	Horizontal	314	1.05	-
AV	2.4835G	50.05	54.00	-3.95	32.48	3	Horizontal	314	1.05	-

802.11ax HEW20_Nss2,(MCS0)_2TX

22/07/2019

2462MHz_TX



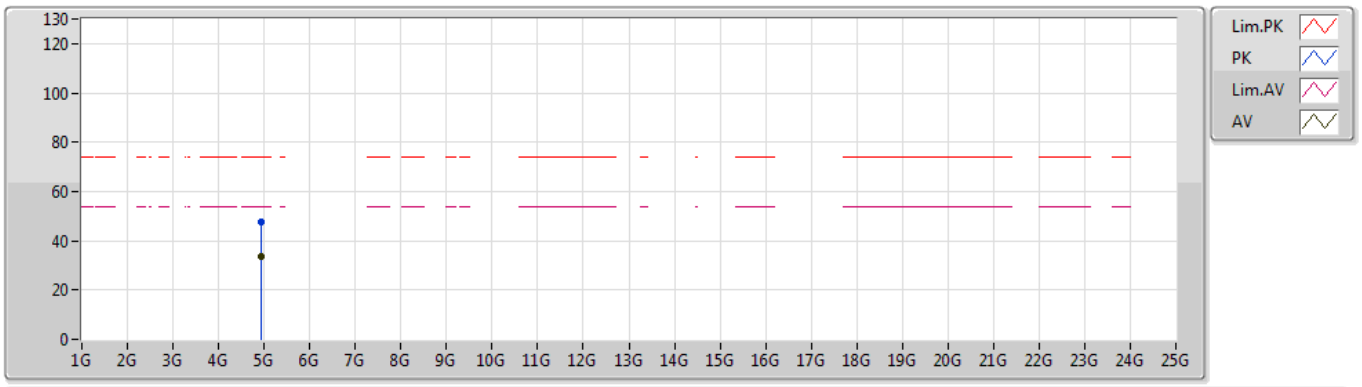
EUT Y_2TX
Setting 88
06-K-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.91996G	47.36	74.00	-26.64	6.72	3	Vertical	66	1.50	-
AV	4.92402G	33.15	54.00	-20.85	6.73	3	Vertical	66	1.50	-

802.11ax HEW20_Nss2,(MCS0)_2TX

22/07/2019

2462MHz_TX



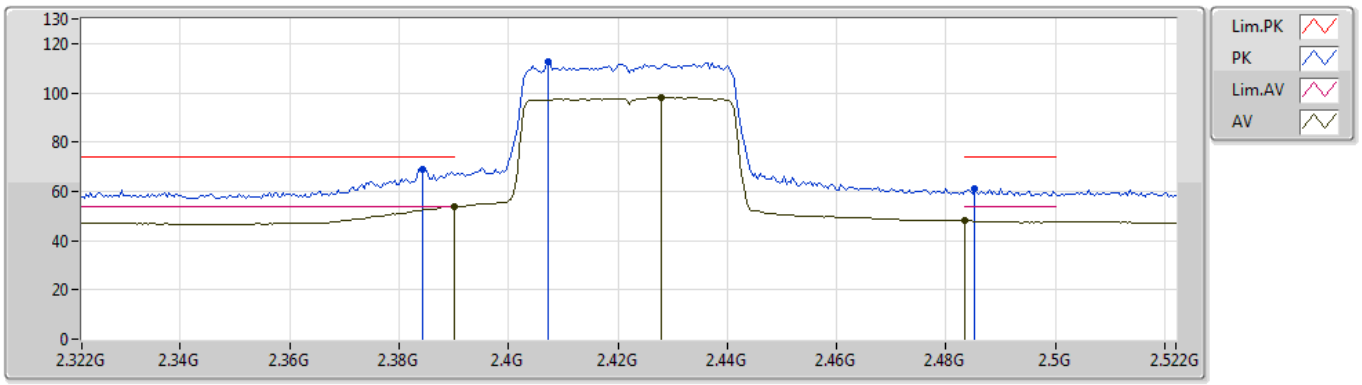
EUT Y_2TX
Setting 88
06-K-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92674G	47.35	74.00	-26.65	6.76	3	Horizontal	35	1.50	-
AV	4.92628G	33.42	54.00	-20.58	6.76	3	Horizontal	35	1.50	-

802.11ax HEW40_Nss2,(MCS0)_2TX

2422MHz_TX

31/07/2019



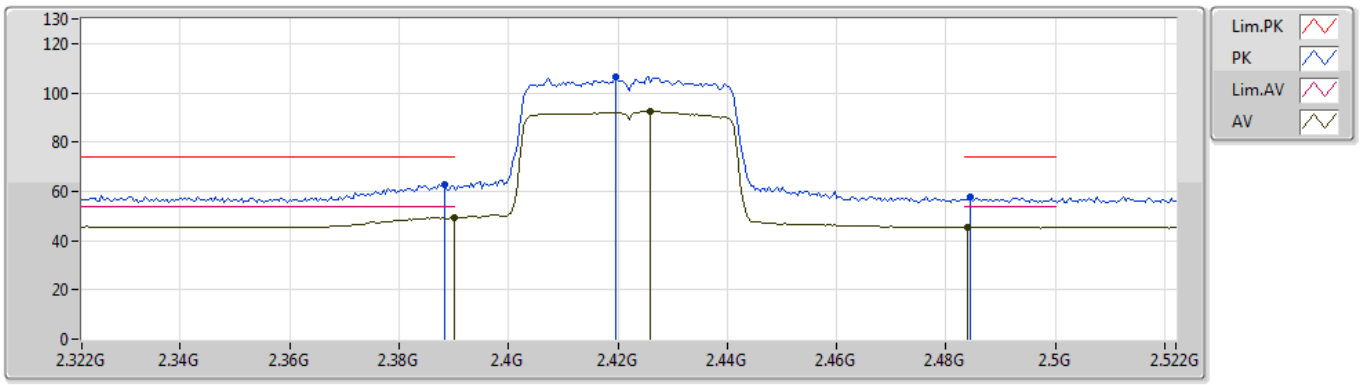
EUT Y_2TX
Setting 78
06-K-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3844G	68.96	74.00	-5.04	32.64	3	Vertical	186	1.52	-
AV	2.39G	53.92	54.00	-0.08	32.62	3	Vertical	186	1.52	-
PK	2.4072G	112.51	Inf	-Inf	32.58	3	Vertical	186	1.52	-
AV	2.428G	98.21	Inf	-Inf	32.54	3	Vertical	186	1.52	-
PK	2.4852G	61.01	74.00	-12.99	32.48	3	Vertical	186	1.52	-
AV	2.4835G	47.99	54.00	-6.01	32.48	3	Vertical	186	1.52	-

802.11ax HEW40_Nss2,(MCS0)_2TX

2422MHz_TX

31/07/2019



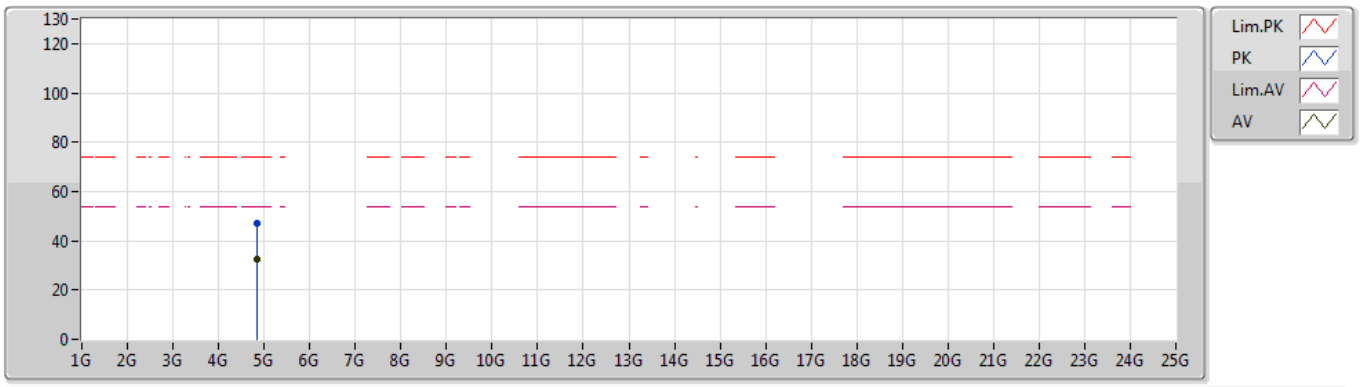
EUT Y_2TX
Setting 78
06-K-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3884G	62.64	74.00	-11.36	32.62	3	Horizontal	9	1.50	-
AV	2.39G	49.28	54.00	-4.72	32.62	3	Horizontal	9	1.50	-
PK	2.4196G	106.30	Inf	-Inf	32.56	3	Horizontal	9	1.50	-
AV	2.426G	92.48	Inf	-Inf	32.55	3	Horizontal	9	1.50	-
PK	2.4844G	57.50	74.00	-16.50	32.48	3	Horizontal	9	1.50	-
AV	2.484G	45.53	54.00	-8.47	32.48	3	Horizontal	9	1.50	-

802.11ax HEW40_Nss2,(MCS0)_2TX

2422MHz_TX

31/07/2019



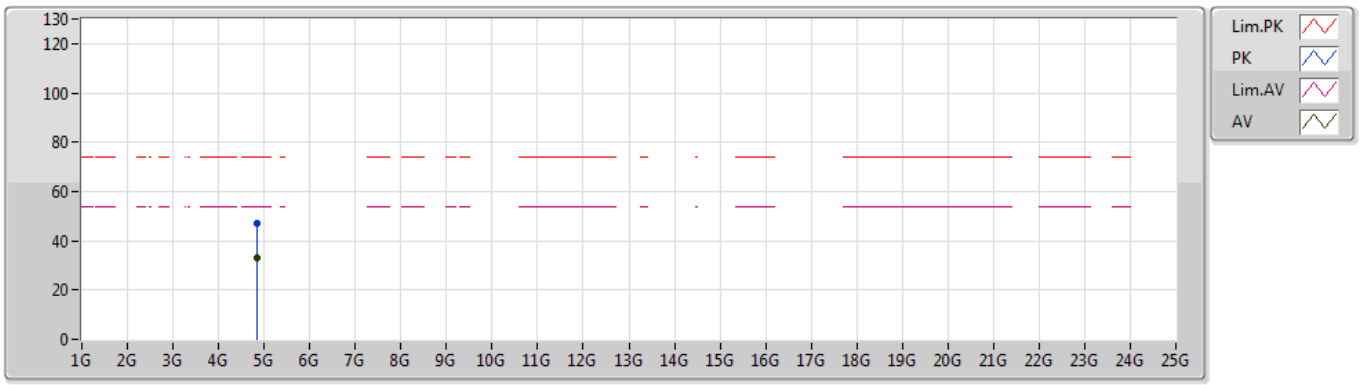
EUT Y_2TX
Setting 78
06-K-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.84772G	46.95	74.00	-27.05	6.63	3	Vertical	348	2.99	-
AV	4.84932G	32.56	54.00	-21.44	6.63	3	Vertical	348	2.99	-

802.11ax HEW40_Nss2,(MCS0)_2TX

2422MHz_TX

31/07/2019



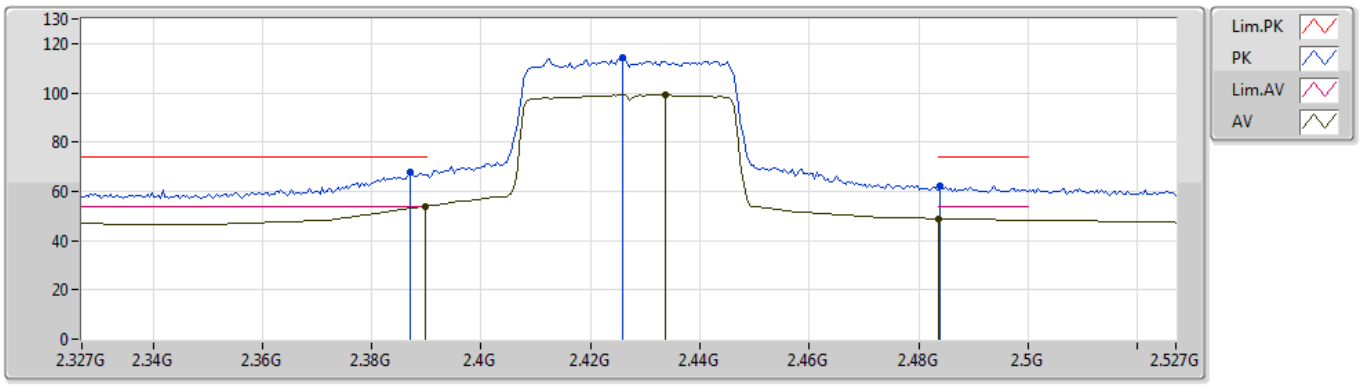
EUT Y_2TX
Setting 78
06-K-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.8536G	46.97	74.00	-27.03	6.64	3	Horizontal	218	1.02	-
AV	4.85224G	32.95	54.00	-21.05	6.64	3	Horizontal	218	1.02	-

802.11ax HEW40_Nss2,(MCS0)_2TX

2427MHz_TX

31/07/2019



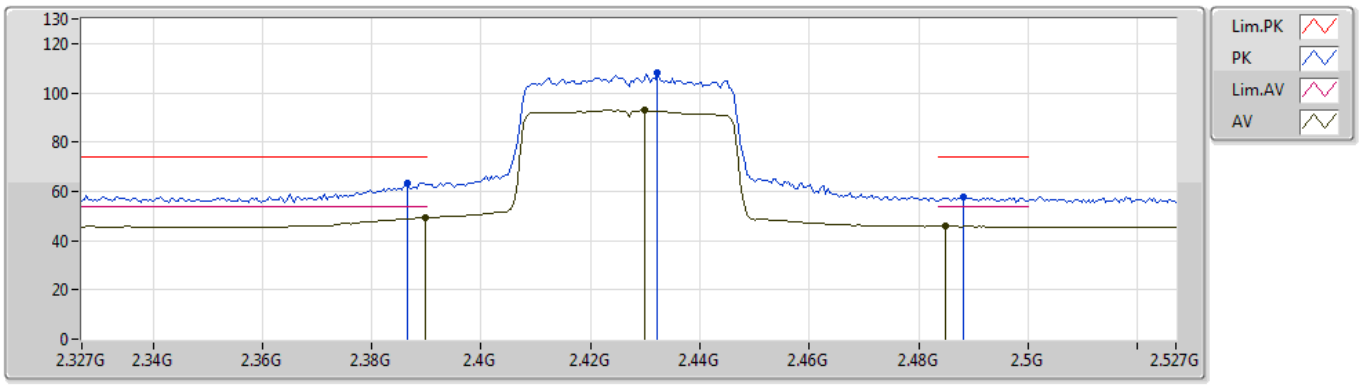
EUT Y_2TX
Setting 82
06-K-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.387G	67.74	74.00	-6.26	32.62	3	Vertical	191	1.58	-
AV	2.3898G	53.98	54.00	-0.02	32.62	3	Vertical	191	1.58	-
PK	2.4258G	114.11	Inf	-Inf	32.55	3	Vertical	191	1.58	-
AV	2.4338G	99.23	Inf	-Inf	32.54	3	Vertical	191	1.58	-
PK	2.4838G	62.41	74.00	-11.59	32.48	3	Vertical	191	1.58	-
AV	2.48357G	48.98	54.00	-5.02	32.48	3	Vertical	191	1.58	-

802.11ax HEW40_Nss2,(MCS0)_2TX

2427MHz_TX

31/07/2019



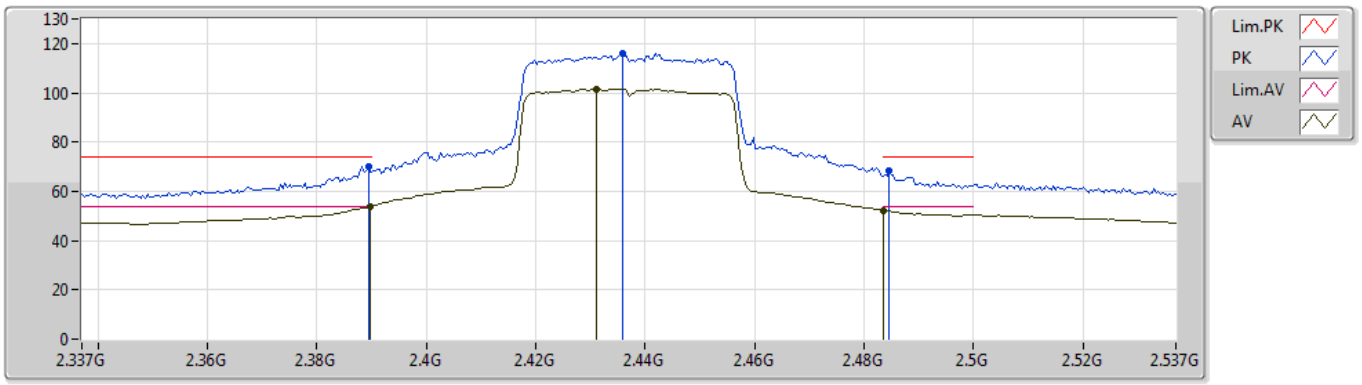
EUT Y_2TX
Setting 82
06-K-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3866G	63.54	74.00	-10.46	32.63	3	Horizontal	10	1.49	-
AV	2.3898G	49.23	54.00	-4.77	32.62	3	Horizontal	10	1.49	-
PK	2.4322G	107.92	Inf	-Inf	32.55	3	Horizontal	10	1.49	-
AV	2.4298G	92.82	Inf	-Inf	32.54	3	Horizontal	10	1.49	-
PK	2.4882G	57.50	74.00	-16.50	32.47	3	Horizontal	10	1.49	-
AV	2.485G	45.83	54.00	-8.17	32.48	3	Horizontal	10	1.49	-

802.11ax HEW40_Nss2,(MCS0)_2TX

2437MHz_TX

31/07/2019



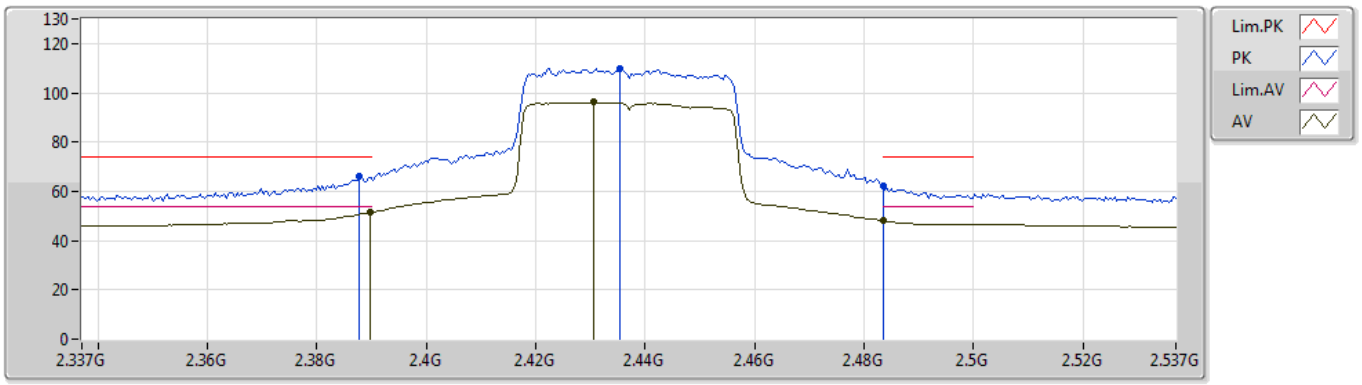
EUT Y_2TX
Setting 90
06-K-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	70.06	74.00	-3.94	32.62	3	Vertical	194	1.56	-
AV	2.3898G	53.88	54.00	-0.12	32.62	3	Vertical	194	1.56	-
PK	2.4358G	116.11	Inf	-Inf	32.54	3	Vertical	194	1.56	-
AV	2.431G	101.56	Inf	-Inf	32.54	3	Vertical	194	1.56	-
PK	2.4846G	68.19	74.00	-5.81	32.48	3	Vertical	194	1.56	-
AV	2.4835G	52.34	54.00	-1.66	32.48	3	Vertical	194	1.56	-

802.11ax HEW40_Nss2,(MCS0)_2TX

2437MHz_TX

31/07/2019



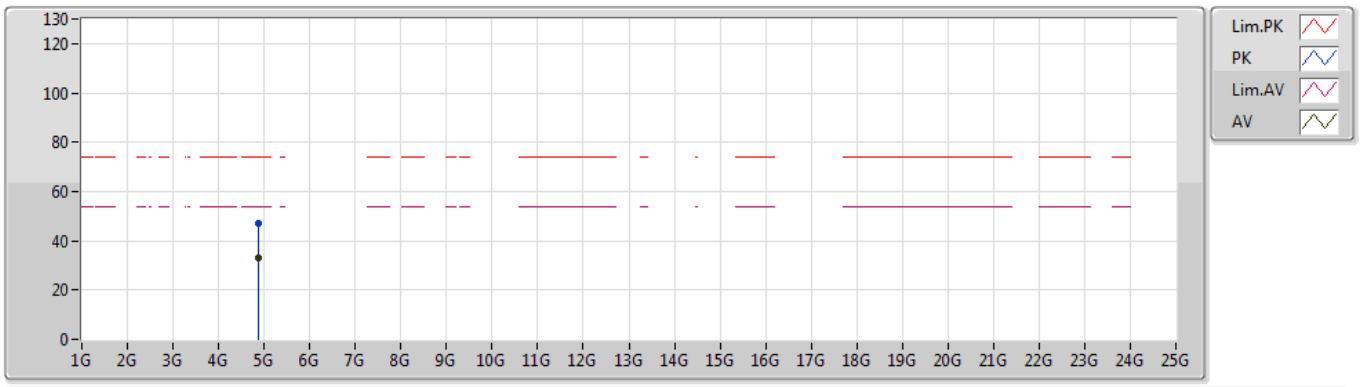
EUT Y_2TX
Setting 90
06-K-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3878G	66.18	74.00	-7.82	32.62	3	Horizontal	321	1.06	-
AV	2.3898G	51.34	54.00	-2.66	32.62	3	Horizontal	321	1.06	-
PK	2.4354G	109.84	Inf	-Inf	32.54	3	Horizontal	321	1.06	-
AV	2.4306G	96.11	Inf	-Inf	32.54	3	Horizontal	321	1.06	-
PK	2.4835G	62.32	74.00	-11.68	32.48	3	Horizontal	321	1.06	-
AV	2.4835G	47.95	54.00	-6.05	32.48	3	Horizontal	321	1.06	-

802.11ax HEW40_Nss2,(MCS0)_2TX

2437MHz_TX

31/07/2019



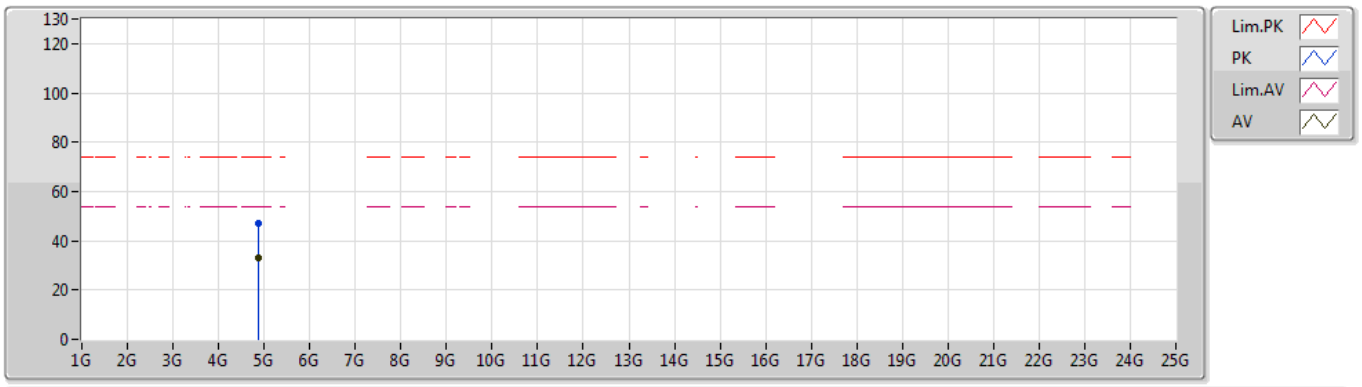
EUT Y_2TX
Setting 90
06-K-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.88738G	46.91	74.00	-27.09	6.63	3	Vertical	320	2.35	-
AV	4.88882G	33.18	54.00	-20.82	6.63	3	Vertical	320	2.35	-

802.11ax HEW40_Nss2,(MCS0)_2TX

2437MHz_TX

31/07/2019



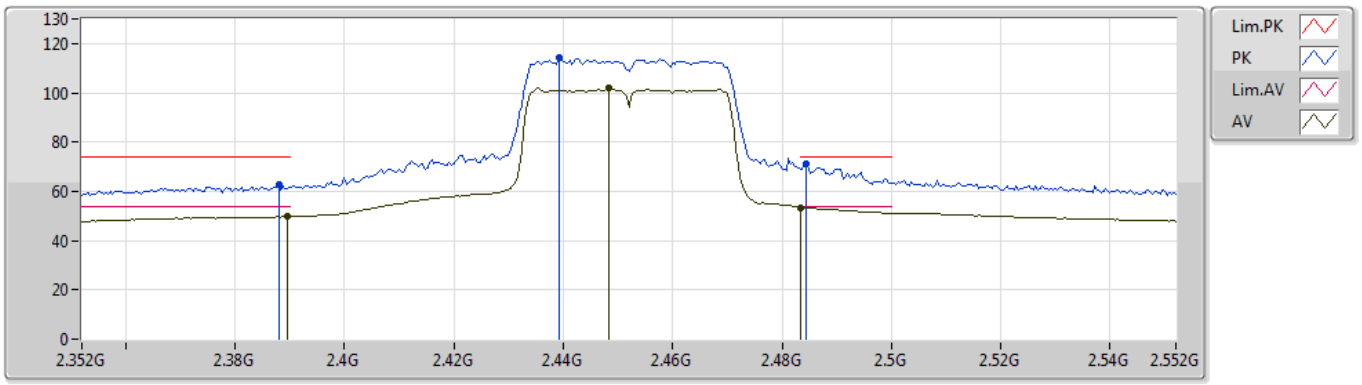
EUT Y_2TX
Setting 90
06-K-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.8863G	47.29	74.00	-26.71	6.63	3	Horizontal	112	2.22	-
AV	4.88702G	33.11	54.00	-20.89	6.63	3	Horizontal	112	2.22	-

802.11ax HEW40_Nss2,(MCS0)_2TX

2452MHz_TX

26/07/2019



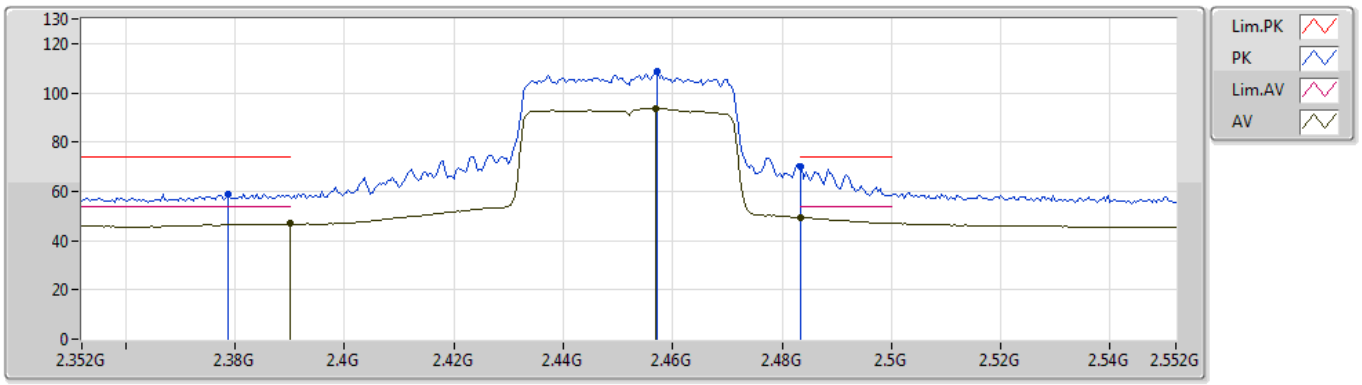
EUT Y_2TX
Setting 86
06-K-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.388G	62.49	74.00	-11.51	32.11	3	Vertical	178	1.43	-
AV	2.3896G	49.89	54.00	-4.11	32.13	3	Vertical	178	1.43	-
PK	2.4392G	114.23	Inf	-Inf	32.28	3	Vertical	178	1.43	-
AV	2.4484G	102.15	Inf	-Inf	32.31	3	Vertical	178	1.43	-
PK	2.4844G	71.04	74.00	-2.96	32.42	3	Vertical	178	1.43	-
AV	2.4835G	53.50	54.00	-0.50	32.41	3	Vertical	178	1.43	-

802.11ax HEW40_Nss2,(MCS0)_2TX

2452MHz_TX

26/07/2019



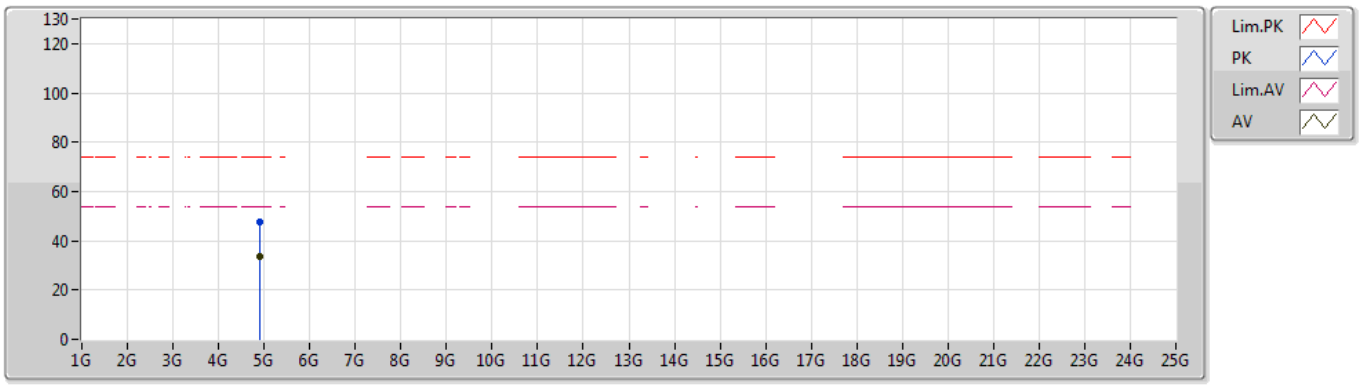
EUT Y_2TX
Setting 86
06-K-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3788G	58.97	74.00	-15.03	32.66	3	Horizontal	331	1.89	-
AV	2.39G	46.81	54.00	-7.19	32.62	3	Horizontal	331	1.89	-
PK	2.4572G	108.73	Inf	-Inf	32.52	3	Horizontal	331	1.89	-
AV	2.4568G	93.66	Inf	-Inf	32.52	3	Horizontal	331	1.89	-
PK	2.4835G	69.95	74.00	-4.05	32.48	3	Horizontal	331	1.89	-
AV	2.4835G	49.26	54.00	-4.74	32.48	3	Horizontal	331	1.89	-

802.11ax HEW40_Nss2,(MCS0)_2TX

2452MHz_TX

26/07/2019



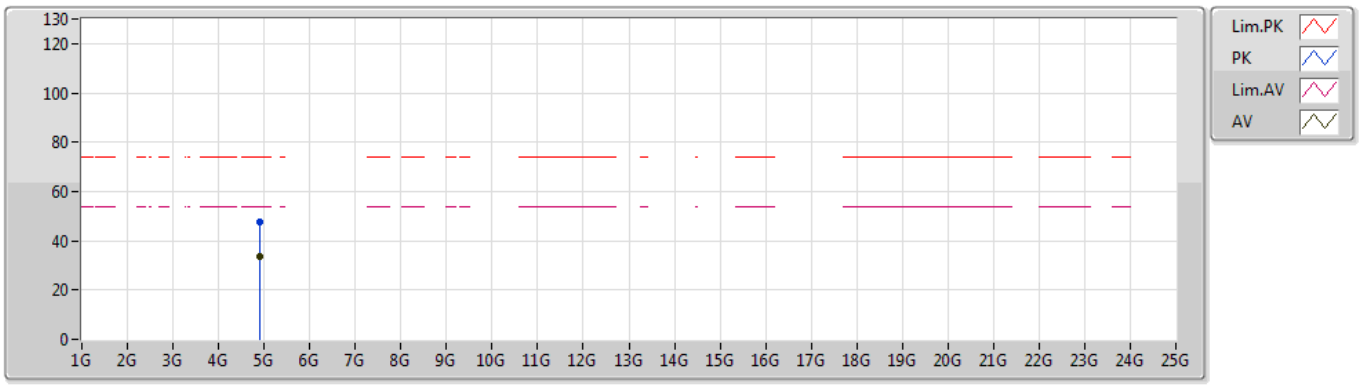
EUT Y_2TX
Setting 86
06-K-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.90814G	47.47	74.00	-26.53	6.66	3	Vertical	288	2.21	-
AV	4.89206G	33.46	54.00	-20.54	6.65	3	Vertical	288	2.21	-

802.11ax HEW40_Nss2,(MCS0)_2TX

2452MHz_TX

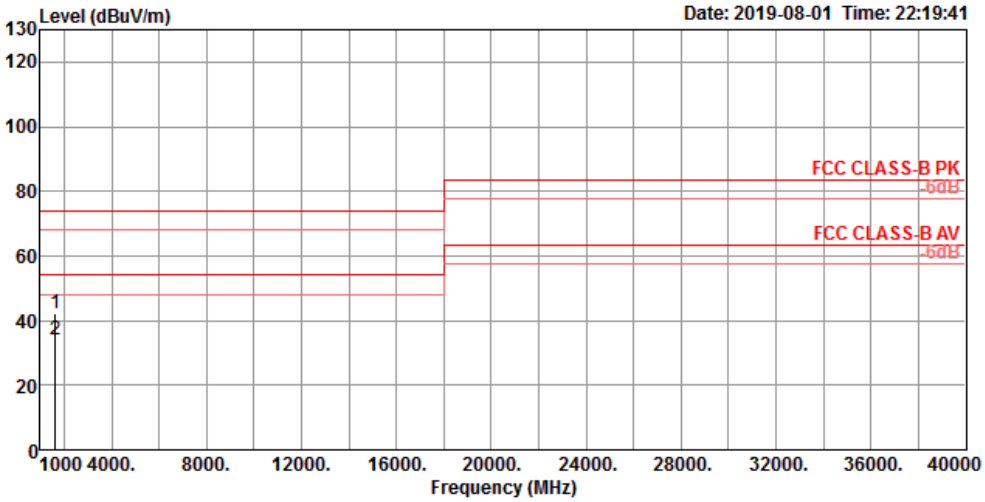
26/07/2019



EUT Y_2TX
Setting 86
06-K-3
FSP(100080)

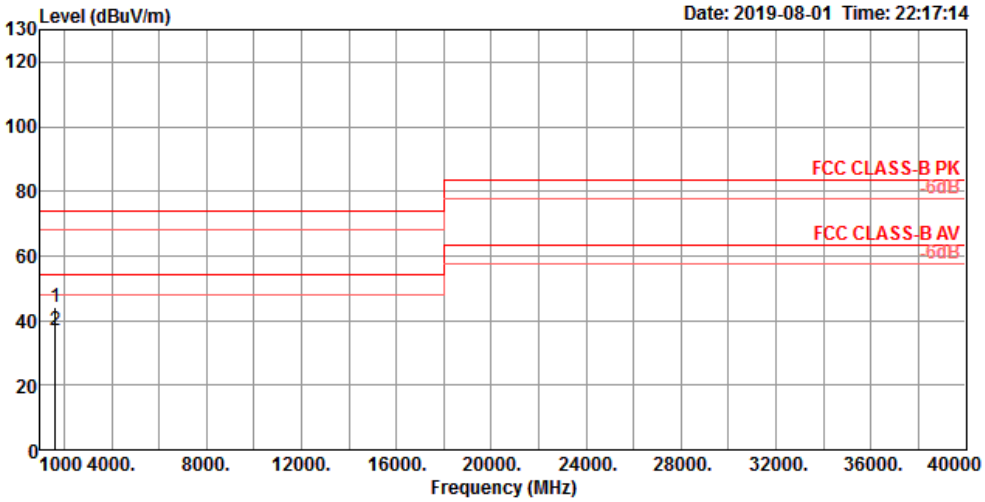
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.89044G	47.66	74.00	-26.34	6.64	3	Horizontal	332	1.93	-
AV	4.89722G	33.52	54.00	-20.48	6.64	3	Horizontal	332	1.93	-

RSE Co-location Result			
Operating Mode	1	**Polarization**	Horizontal
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	1624.92	42.37	74.00	-31.63	50.75	3.22	25.35	36.95	123	163	Peak	HORIZONTAL
2	1625.00	33.96	54.00	-20.04	42.34	3.22	25.35	36.95	123	163	Average	HORIZONTAL

RSE Co-location Result			
Operating Mode	1	**Polarization**	Vertical
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	1624.90	44.02	74.00	-29.98	52.40	3.22	25.35	36.95	102	196	Peak	VERTICAL
2	1625.00	37.11	54.00	-16.89	45.49	3.22	25.35	36.95	102	196	Average	VERTICAL