FCC RADIO TEST REPORT

FCC ID	:	TE7X90
Equipment	:	AX6600 Whole Home Mesh Wi-Fi 6 System, AX5700 Whole Home Mesh Wi-Fi 6 System
Brand Name	:	tp-link
Model Name	:	Deco X90, Deco X5700
Applicant	:	TP-Link Technologies Co., Ltd. Building 24 (floors 1,3,4,5) and 28 (floors1-4), Central Science and Technology Park,Nanshan Shenzhen, 518057 China
Manufacturer	:	TP-Link Technologies Co., Ltd. Building 24 (floors 1,3,4,5) and 28 (floors1-4), Central Science and Technology Park,Nanshan Shenzhen, 518057 China
Standard	:	47 CFR FCC Part 15.247

The product was received on Jul. 28, 2020, and testing was started from Jul. 31, 2020 and completed on Sep. 17, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Approved by: Cliff Chang

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

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History of this test report

Report No.	Version	Description	Issued Date
FR070131AA	01	Initial issue of report	Nov. 04, 2020

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: Wendy Pan

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
2400-2483.5	b, g, n (HT20), VHT20, ax (HEW20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40), VHT40, ax (HEW40)	2422-2452	3-9 [7]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	2TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11n HT20	20	2TX
2.4-2.4835GHz	VHT20	20	2TX
2.4-2.4835GHz	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 HT40	40	2TX
2.4-2.4835GHz	VHT40	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 modulation.
- HEW20, HEW40 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Port			Brand	Model Name	Antenna Type	Connector	Gain (dBi)		
	WLAN 2.4GHz	WLAN 5GHz B1~B2	WLAN 5GHz B4					WLAN 2.4GHz	WLAN 5GHz B1 ~B2	WLAN 5GHz B4
1	-	-	1	TP-LINK	3101503198	Dipole	I-PEX	-	-	0.97
2	-	-	2	TP-LINK	3101503199	Dipole	I-PEX	-	-	0.97
3	1	1	-	TP-LINK	3101503202	Dipole	I-PEX	1.97	0.98	-
4	2	4	-	TP-LINK	3101503203	Dipole	I-PEX	1.99	0.96	-
5	-	2	-	TP-LINK	3101503204	Dipole	I-PEX	-	0.96	-
6	-	3	-	TP-LINK	3101503205	Dipole	I-PEX	-	0.97	-

Note: The above information was declared by manufacturer.

For 2.4GHz WLAN function

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 Band 1 ~ Band 2 5GHz WLAN function

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 Band 4 5GHz WLAN function

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.

1.1.3 Mode Test Duty Cycle

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	0.992	0.03	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW20	0.987	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40	0.988	0.05	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/ax/VHT in 2.4GHz and IEEE 802.11n/ac/ax in 5GHz.			
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	Broadcom MTool 3.1.0.3			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

The EUT has two equipment and model names which are identical to each other in all aspects except for the following table:

Brand Name	Equipment Name	Model Name	Description
tp-link	AX6600 Whole Home Mesh Wi-Fi 6 System	Deco X90	All the equipment and model names are identical; the difference equipment name and model name served as marketing strategy.
	AX5700 Whole Home Mesh Wi-Fi 6 System	Deco X5700	

From the above models, model: Deco X90 was selected as representative model for the test and its data was recorded in this report.

1.1.6 Table for EUT support type

Function
AP
Router
Mesh

Note: After evaluating, there is only the Router selected to test and recorded in the report.

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

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

- FCC KDB 558074 D01 v05r02
- FCC KDB 662911 D01 v02r01
- FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-CB	Benson Su	21.8-24°C / 57-61%	Aug. 03, 2020 ~ Sep. 07, 2020
Radiated<1GHz and Radiated Co-location	03CH04-CB	Paul Chen	22.6-23.9°C / 51-53%	Sep. 16, 2020
Radiated>1GHz	03CH06-CB	Stim Sung	23-24.1°C / 54-57%	Jul. 31, 2020 ~ Aug. 01, 2020
AC Conduction	CO01-CB	GN Hou	23~24°C / 61~63%	Sep. 17, 2020

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

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	2.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.9 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.6 dB	Confidence levels of 95%
Conducted Emission	2.8 dB	Confidence levels of 95%
Output Power Measurement	1.4 dB	Confidence levels of 95%
Power Density Measurement	2.8 dB	Confidence levels of 95%
Bandwidth Measurement	0.39%	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	105
2417MHz	104
2437MHz	103
2457MHz	111
2462MHz	110
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	97
2417MHz	107
2437MHz	106
2457MHz	109
2462MHz	107
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	96
2417MHz	106
2437MHz	105
2457MHz	109
2462MHz	109
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	91
2427MHz	98
2437MHz	95
2447MHz	98
2452MHz	95
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	96
2417MHz	106
2437MHz	105
2457MHz	109
2462MHz	109
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
2422MHz	91
2427MHz	98
2437MHz	95
2447MHz	98

Mode	Power Setting
2452MHz	95

Note: The EUT supports beamforming and CDD modes, and the CDD mode is the worst case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluates the output power.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	Normal Link
1	Router mode - EUT with Adapter

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	Normal Link
1	Router mode - EUT with Adapter
Operating Mode > 1GHz	CTX

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 + WLAN 5GHz (Band 1, 2)
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 + WLAN 5GHz (Band 1,2) + WLAN 5GHz (Band 4)
Refer to Sporton Test Report No.: FA070131 for Co-location RF Exposure Evaluation.	

Note: The EUT can only be used at Y axis.

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories			
Equipment Name	**Brand Name**	**Model Name**	**Rating**
Adapter	tp-link	T120250-2B4	Input: 100-240V ~ 50/60Hz, 0.8A Output: 12V, 2.5A

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	AP Router (2.5Gbps)	ASUS	GT-AX11000	MSQ-RTHR00
B	Device	tp-link	Deco X90	TE7X90
C	Device NB	DELL	E6430	N/A
D	Eth1 NB	DELL	E6430	N/A
E	AP Router NB	DELL	E6430	N/A

For Radiated (below 1GHz):

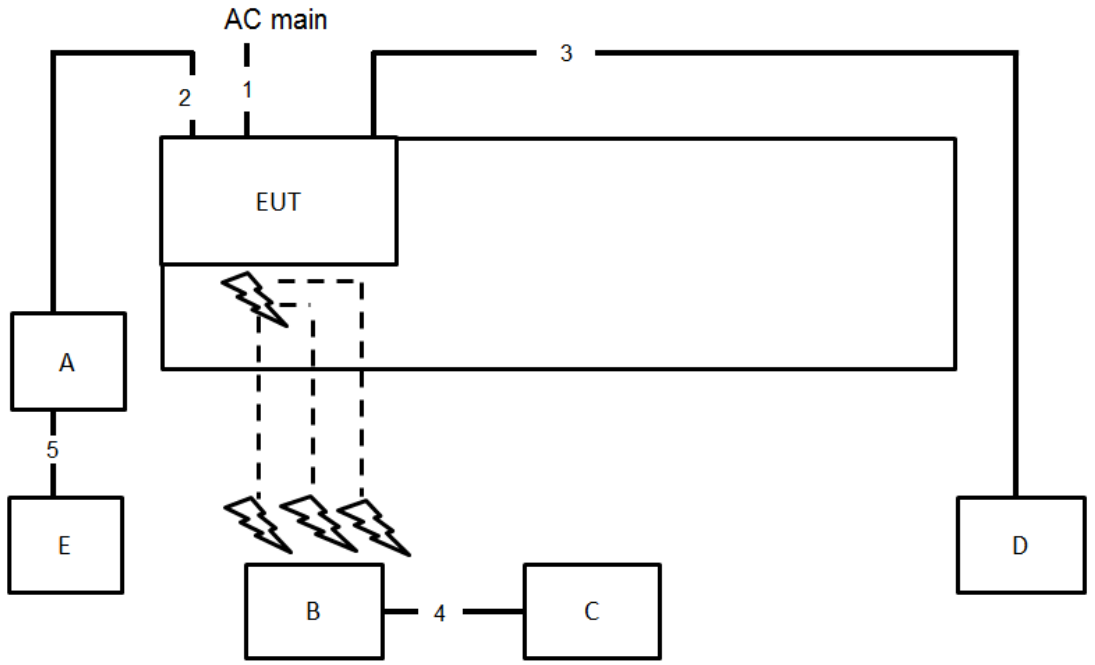
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Eth1 NB	DELL	E4300	N/A
B	AP Router (2.5Gbps)	ASUS	GT-AX11000	MSQ-RTHR00
C	Device	tp-link	Deco X90	TE7X90
D	Device NB	DELL	E4300	N/A
E	AP Router NB	DELL	E4300	N/A

For RF Conducted and Radiated (above 1GHz):

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

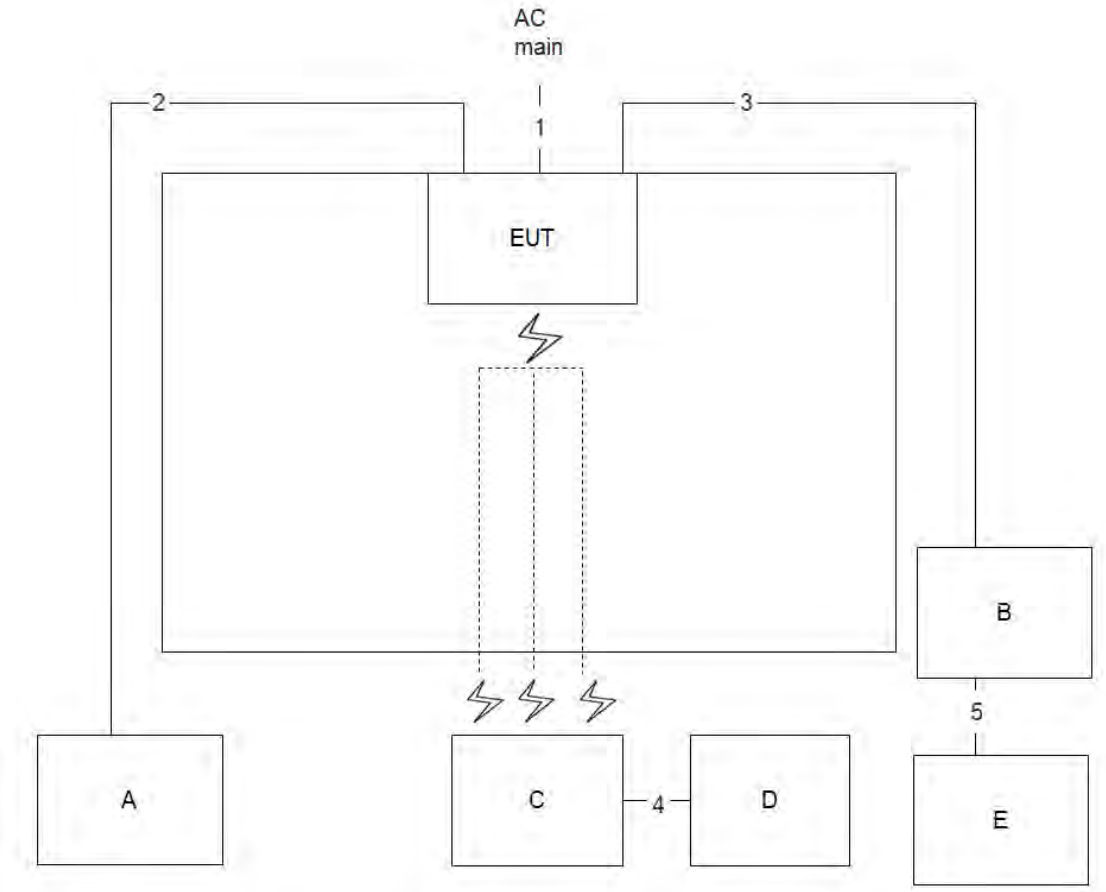
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



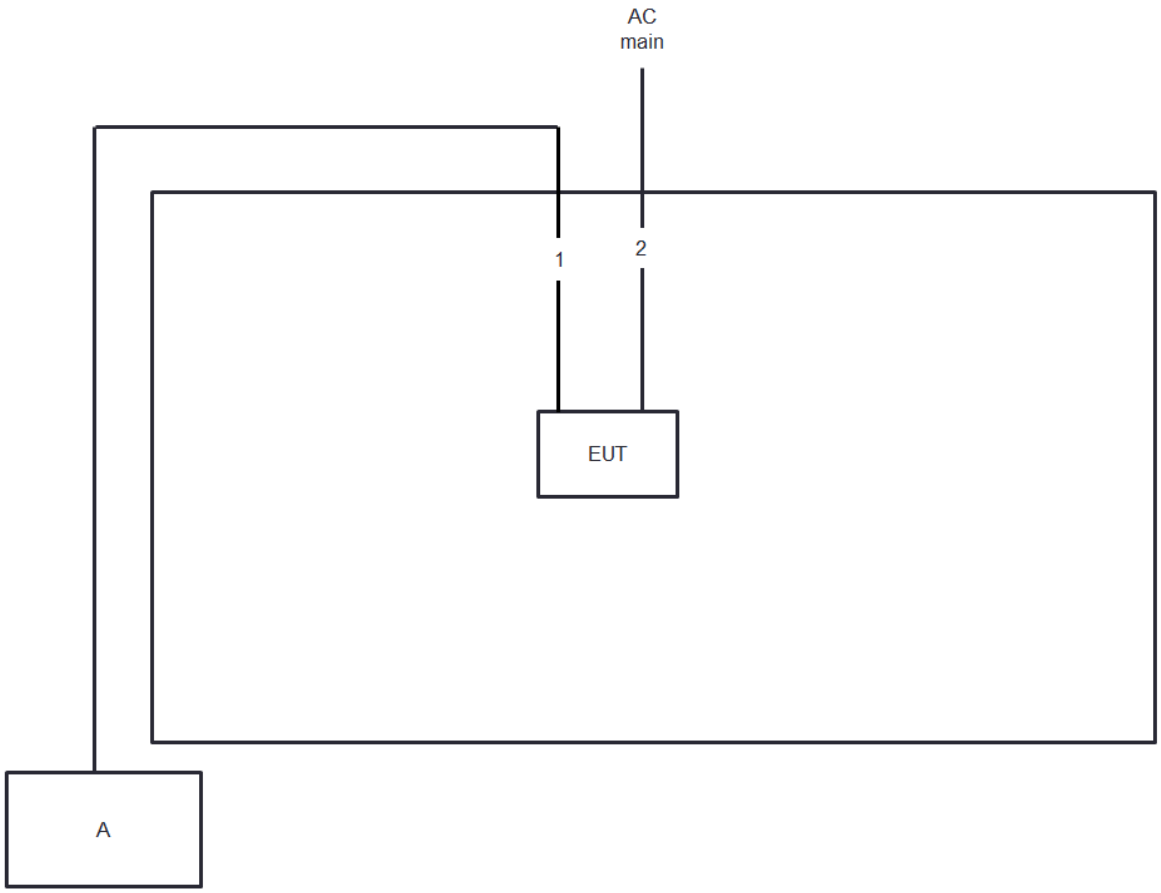
Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	10m
4	RJ-45 cable	No	1.5m
5	RJ-45 cable	No	1.5m

Test Setup Diagram - Radiated Test < 1GHz



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

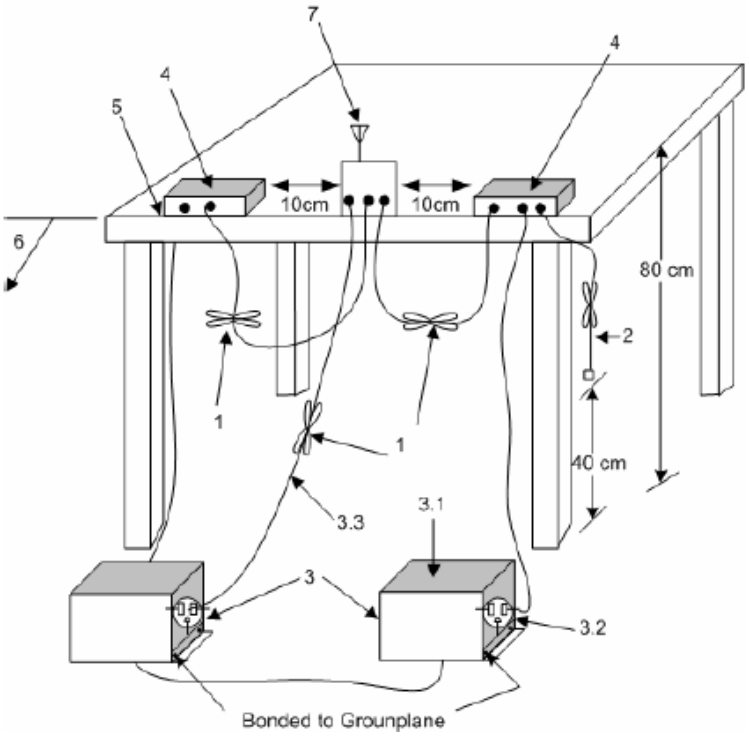
Refer a test equipment and calibration data table in this test report.

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 Measurement Results Calculation

The measured Level is calculated using:

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

b. Margin = -Limit + Level

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

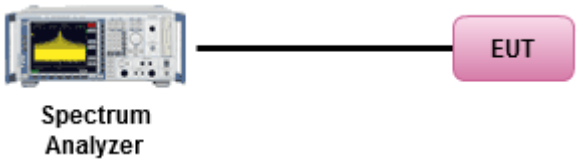
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup

Emission Bandwidth


3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

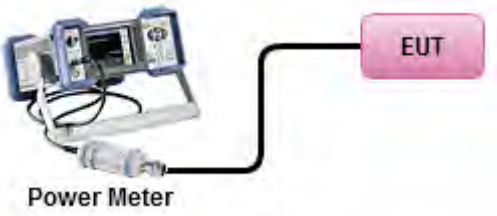
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

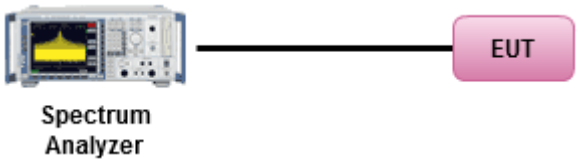
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

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

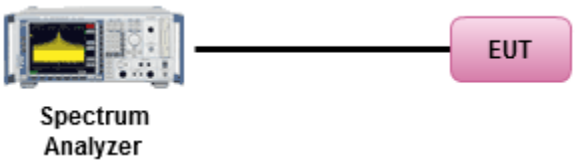
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup

Emissions in Non-restricted Frequency Bands


3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

3.6.2 Measuring Instruments

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

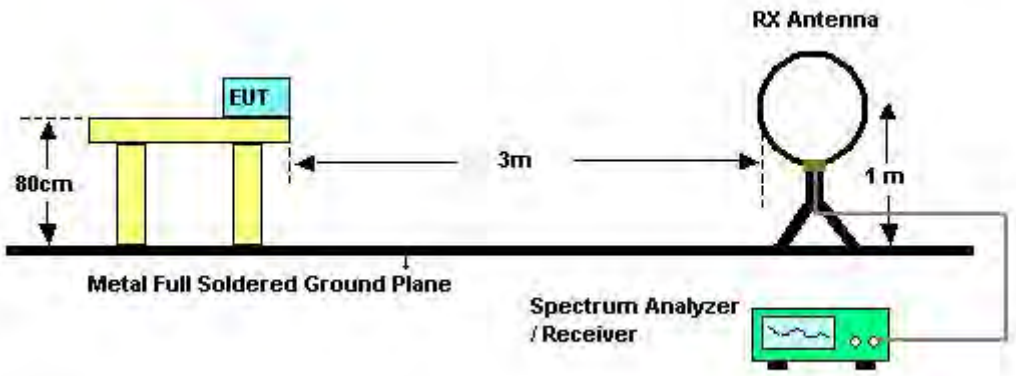
3.6.3 Test Procedures

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

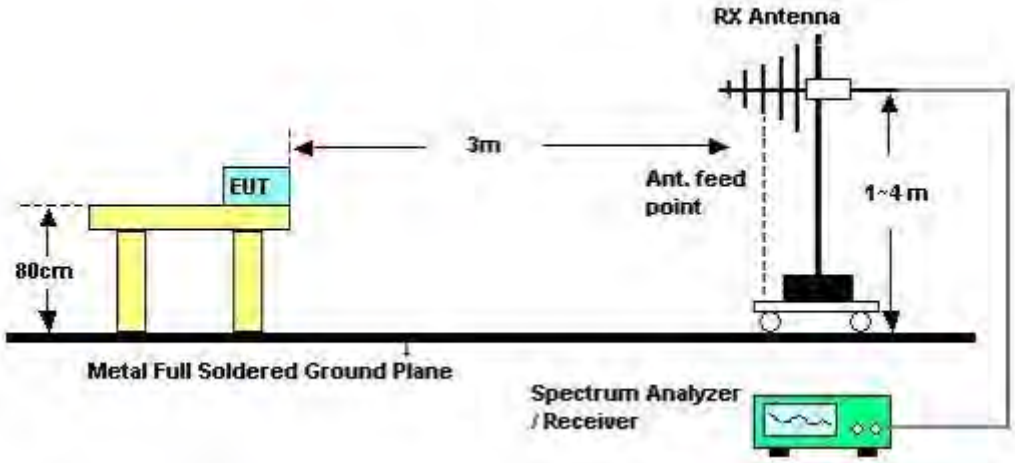
3.6.4 Test Setup

Radiated - Emissions in Restricted Frequency Bands

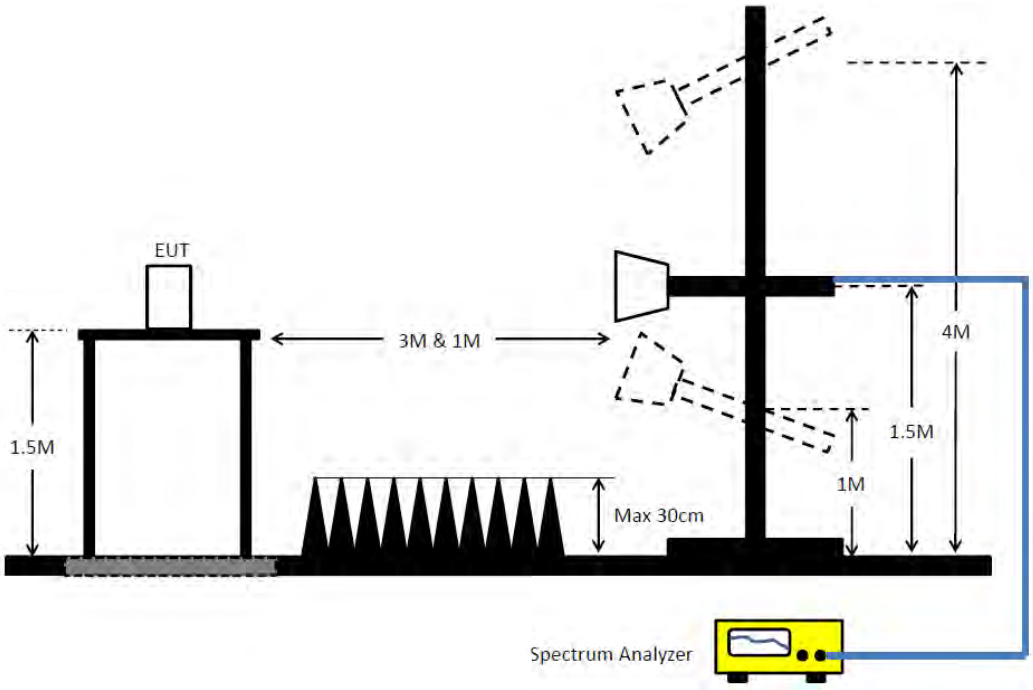
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.6.5 Measurement Results Calculation

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

3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

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

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Feb. 26, 2020	Feb. 25, 2021	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 25, 2019	Dec. 24, 2020	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Feb. 25, 2020	Feb. 24, 2021	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Jan. 31, 2020	Jan. 30, 2021	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 20, 2020	May 19, 2021	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 13, 2020	Apr. 12, 2021	Conduction (CO01-CB)
BILOG ANTENNA with 6 dB attenuator	Schaffner & EMCI	CBL6112B & N-6-06	22021&AT-N0607	30MHz ~ 1GHz	Oct. 12, 2019	Oct. 11, 2020	Radiation (03CH04-CB)
Horn Antenna	ETS・Lindgren	3115	00143147	750MHz~18GHz	Oct. 22, 2019	Oct. 21, 2020	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	310N	187290	0.1MHz ~ 1GHz	Apr. 28, 2020	Apr. 27, 2021	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz ~ 26.5GHz	Jul. 14, 2020	Jul. 13, 2021	Radiation (03CH04-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Dec. 18, 2019	Dec. 17, 2020	Radiation (03CH04-CB
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	May 13, 2020	May 12, 2021	Radiation (03CH04-CB)
RF Cable-low	Woken	RG402	Low Cable-03+22	30MHz – 1GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Jul. 07, 2020	Jul. 06, 2021	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+22	1GHz - 18GHz	Feb. 01, 2020	Jan. 31, 2021	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
Horn Antenna	COM-POWER	AH-118	071028	1GHz ~ 18GHz	Jun. 09, 2020	Jun. 08, 2021	Radiation (03CH06-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	May 07, 2020	May 06, 2021	Radiation (03CH06-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Oct. 21, 2019	Oct. 20, 2020	Radiation (03CH06-CB)
RF Cable-high	HUBER+SUHNER	RG402	High Cable-05	1GHz~18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH06-CB)
RF Cable-high	HUBER+SUHNER	RG402	High Cable-05+24	1GHz~18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 05, 2020	May 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-28	1 GHz –26.5 GHz	Nov. 18, 2019	Nov. 17, 2020	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Feb. 07, 2020	Feb. 06, 2021	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Feb. 07, 2020	Feb. 06, 2021	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)

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

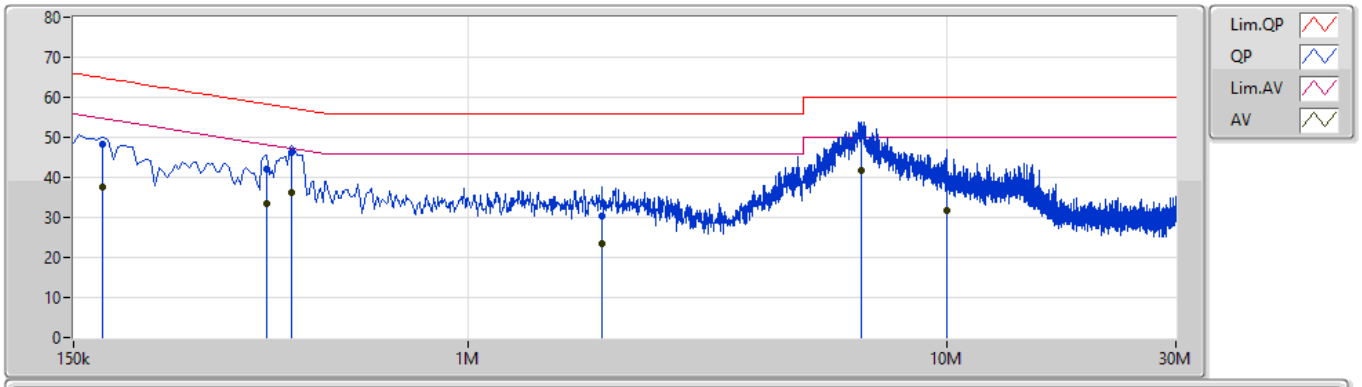
N.C.R. means Non-Calibration required.

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	6.621M	41.88	50.00	-8.12	Line

Mode 1

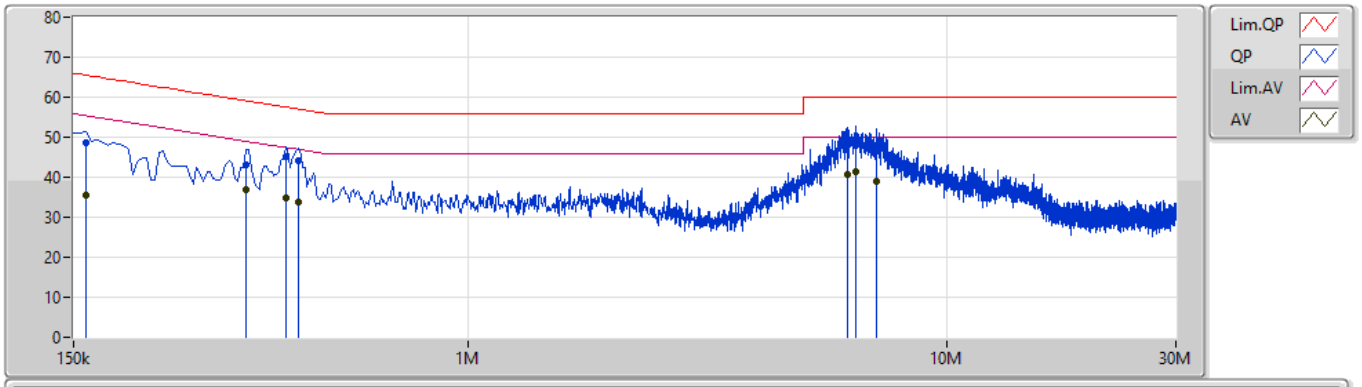
17/09/2020



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	172.5k	48.40	64.83	-16.43	9.87	Line	-	38.53	0.05	0.03	9.79
AV	172.5k	37.48	54.83	-17.35	9.87	Line	-	27.61	0.05	0.03	9.79
QP	379.5k	42.11	58.29	-16.18	9.88	Line	-	32.23	0.04	0.03	9.81
AV	379.5k	33.48	48.29	-14.81	9.88	Line	-	23.60	0.04	0.03	9.81
QP	429k	46.20	57.28	-11.08	9.88	Line	-	36.32	0.04	0.03	9.81
AV	429k	36.28	47.28	-11.00	9.88	Line	-	26.40	0.04	0.03	9.81
QP	1.905M	30.43	56.00	-25.57	9.96	Line	-	20.47	0.06	0.07	9.83
AV	1.905M	23.28	46.00	-22.72	9.96	Line	-	13.32	0.06	0.07	9.83
QP	6.621M	50.45	60.00	-9.55	10.14	Line	-	40.31	0.13	0.14	9.87
AV	6.621M	41.88	50.00	-8.12	10.14	Line	"Worst"	31.74	0.13	0.14	9.87
QP	9.983M	39.60	60.00	-20.40	10.24	Line	-	29.36	0.17	0.15	9.92
AV	9.983M	31.78	50.00	-18.22	10.24	Line	-	21.54	0.17	0.15	9.92

Mode 1

17/09/2020



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	159k	48.54	65.52	-16.98	9.86	Neutral	-	38.68	0.04	0.03	9.79
AV	159k	35.42	55.52	-20.10	9.86	Neutral	-	25.56	0.04	0.03	9.79
QP	343.5k	42.95	59.12	-16.17	9.88	Neutral	-	33.07	0.04	0.03	9.81
AV	343.5k	37.03	49.12	-12.09	9.88	Neutral	-	27.15	0.04	0.03	9.81
QP	415.5k	45.27	57.53	-12.26	9.88	Neutral	-	35.39	0.04	0.03	9.81
AV	415.5k	34.80	47.53	-12.73	9.88	Neutral	-	24.92	0.04	0.03	9.81
QP	442.5k	44.22	57.01	-12.79	9.88	Neutral	-	34.34	0.04	0.03	9.81
AV	442.5k	33.85	47.01	-13.16	9.88	Neutral	-	23.97	0.04	0.03	9.81
QP	6.189M	48.85	60.00	-11.15	10.13	Neutral	-	38.72	0.13	0.14	9.86
AV	6.189M	40.52	50.00	-9.48	10.13	Neutral	-	30.39	0.13	0.14	9.86
QP	6.428M	49.60	60.00	-10.40	10.14	Neutral	-	39.46	0.13	0.14	9.87
AV	6.428M	41.39	50.00	-8.61	10.14	Neutral	"Worst"	31.25	0.13	0.14	9.87
QP	7.134M	47.21	60.00	-12.79	10.16	Neutral	-	37.05	0.14	0.14	9.88
AV	7.134M	38.81	50.00	-11.19	10.16	Neutral	-	28.65	0.14	0.14	9.88

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	8.525M	13.893M	13M9D2W	6.55M	11.044M
802.11g_Nss1,(6Mbps)_2TX	16.35M	22.564M	22M6D7W	16.275M	16.967M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.925M	25.537M	25M5D7W	18M	19.115M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.55M	37.681M	37M7D7W	36.55M	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

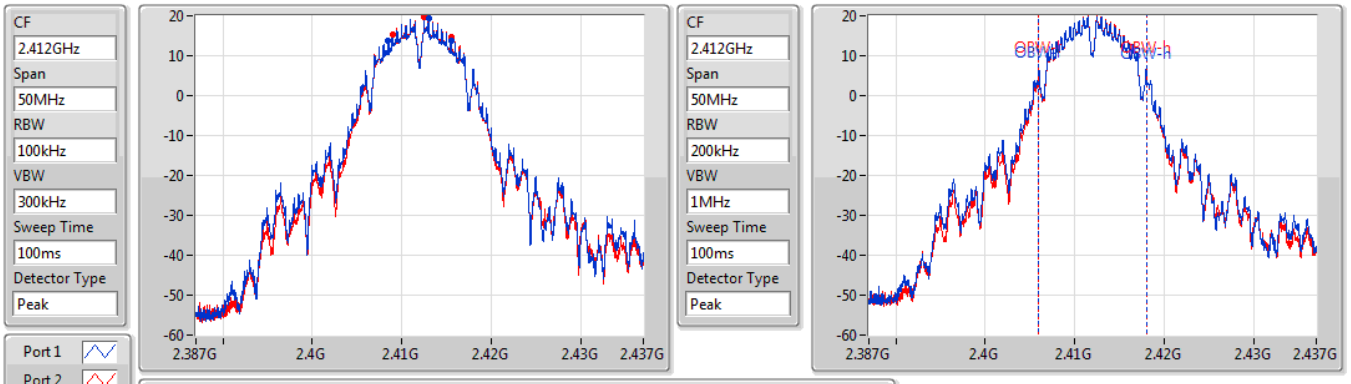
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.05M	12.219M	6.55M	12.044M
2437MHz	Pass	500k	7M	11.394M	7.025M	11.044M
2462MHz	Pass	500k	8.5M	13.893M	8.525M	13.518M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.35M	17.091M	16.35M	16.967M
2437MHz	Pass	500k	16.325M	19.265M	16.325M	19.44M
2462MHz	Pass	500k	16.275M	22.564M	16.325M	21.189M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.925M	19.165M	18.5M	19.115M
2437MHz	Pass	500k	18.775M	19.415M	18.3M	19.74M
2462MHz	Pass	500k	18M	25.537M	18.525M	24.488M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.55M	37.581M	36.55M	37.431M
2437MHz	Pass	500k	36.7M	37.581M	37.35M	37.631M
2452MHz	Pass	500k	37.4M	37.581M	37.25M	37.681M

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

802.11b_Nss1,(1Mbps)_2TX EBW

2412MHz

04/08/2020

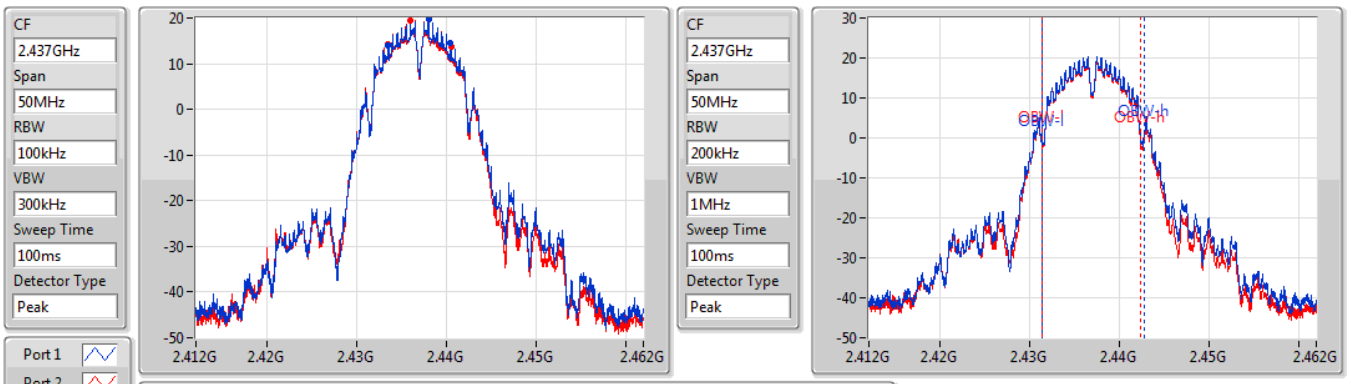


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.05M	2.40845G	2.4155G	12.219M	2.405878G	2.418097G	500k	1
6.55M	2.40895G	2.4155G	12.044M	2.406003G	2.418047G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2437MHz

04/08/2020

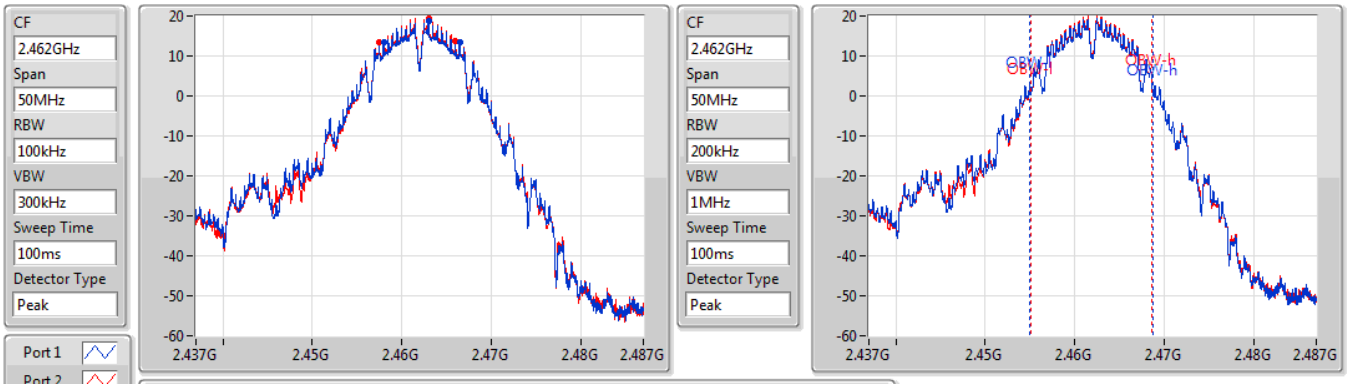


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7M	2.433475G	2.440475G	11.394M	2.431353G	2.442747G	500k	1
7.025M	2.433475G	2.4405G	11.044M	2.431303G	2.442347G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2462MHz

04/08/2020

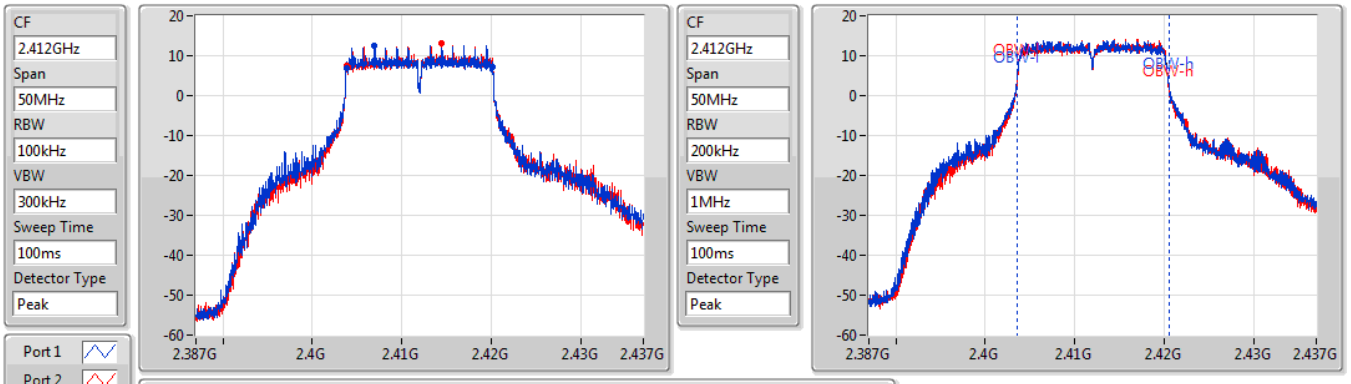


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.5M	2.457975G	2.466475G	13.893M	2.454904G	2.468797G	500k	1
8.525M	2.457475G	2.466G	13.518M	2.455103G	2.468622G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2412MHz

04/08/2020

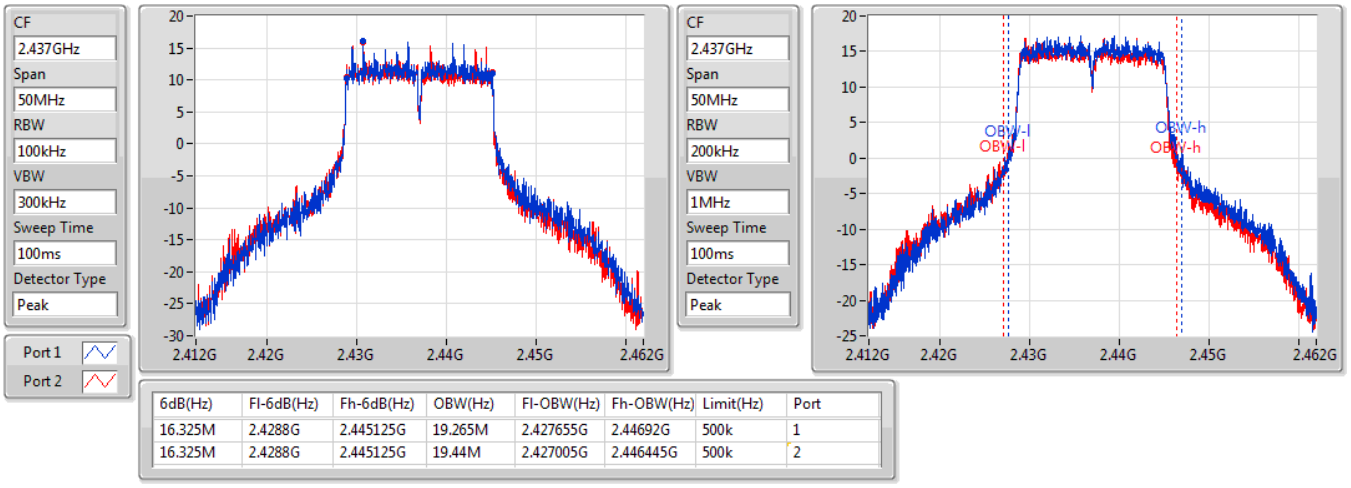


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.4038G	2.42015G	17.091M	2.403529G	2.420621G	500k	1
16.35M	2.403825G	2.420175G	16.967M	2.403629G	2.420596G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2437MHz

04/08/2020

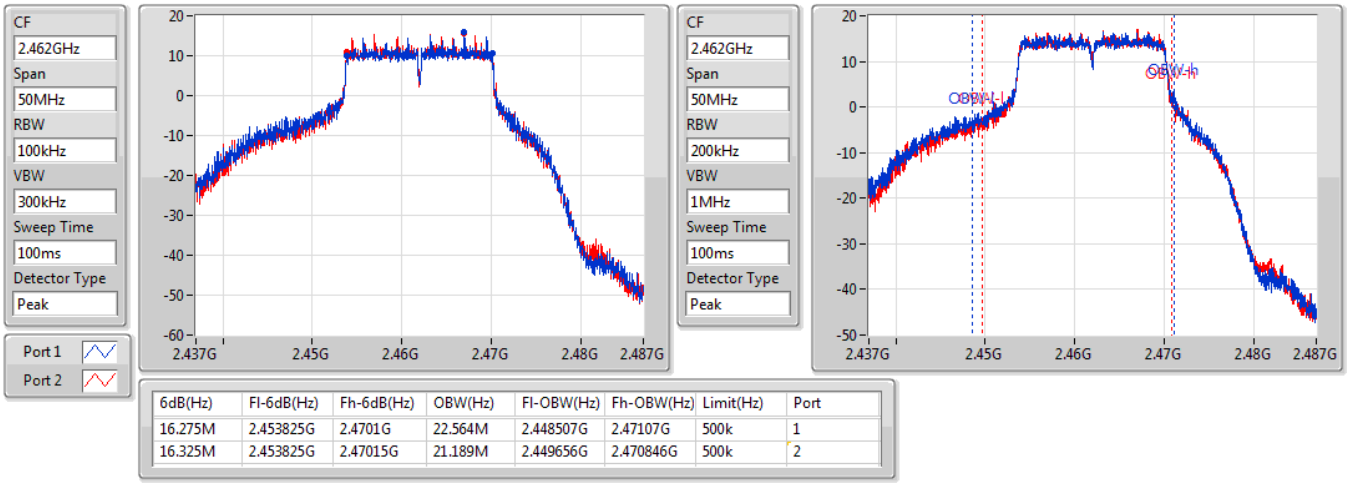


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.4288G	2.445125G	19.265M	2.427655G	2.44692G	500k	1
16.325M	2.4288G	2.445125G	19.44M	2.427005G	2.446445G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2462MHz

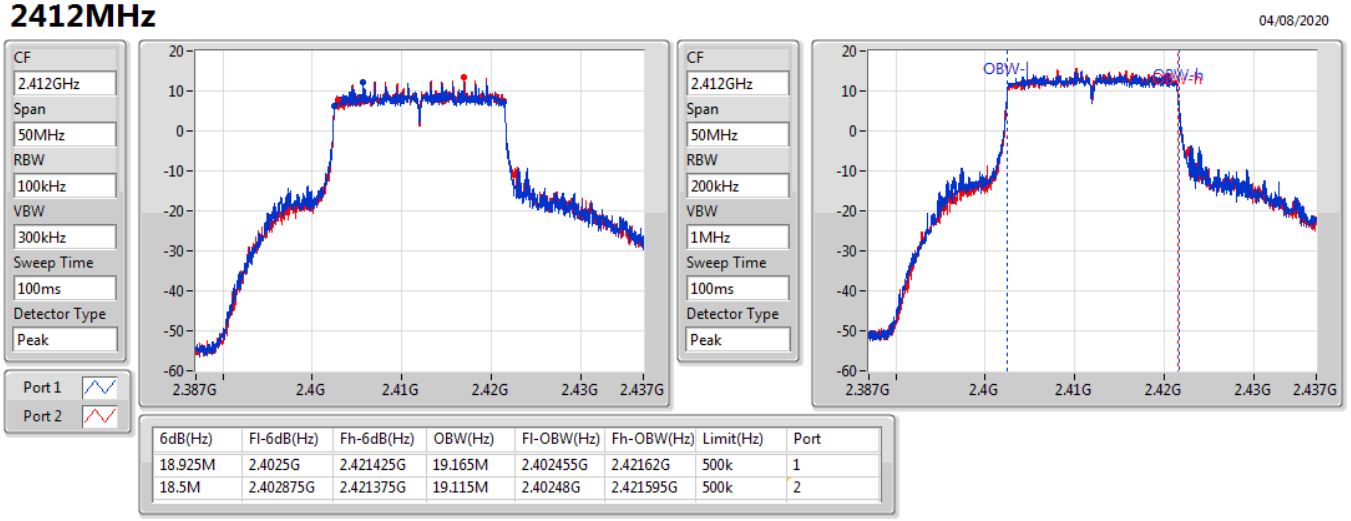
04/08/2020



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.275M	2.453825G	2.4701G	22.564M	2.448507G	2.47107G	500k	1
16.325M	2.453825G	2.47015G	21.189M	2.449656G	2.470846G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

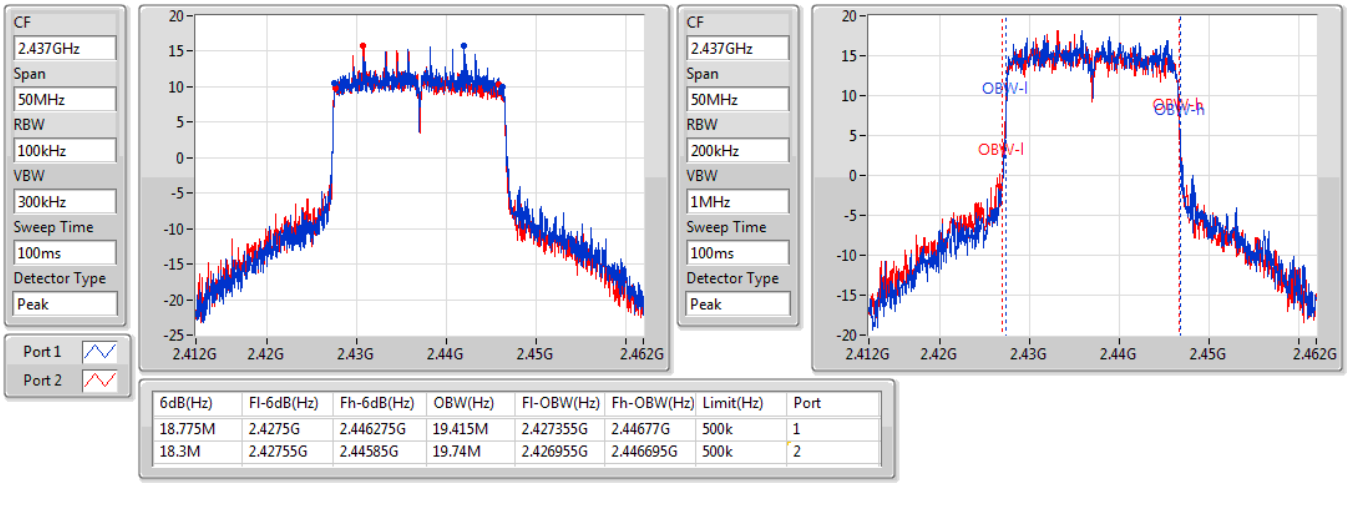
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.925M	2.4025G	2.421425G	19.165M	2.402455G	2.42162G	500k	1
18.5M	2.402875G	2.421375G	19.115M	2.40248G	2.421595G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

2437MHz

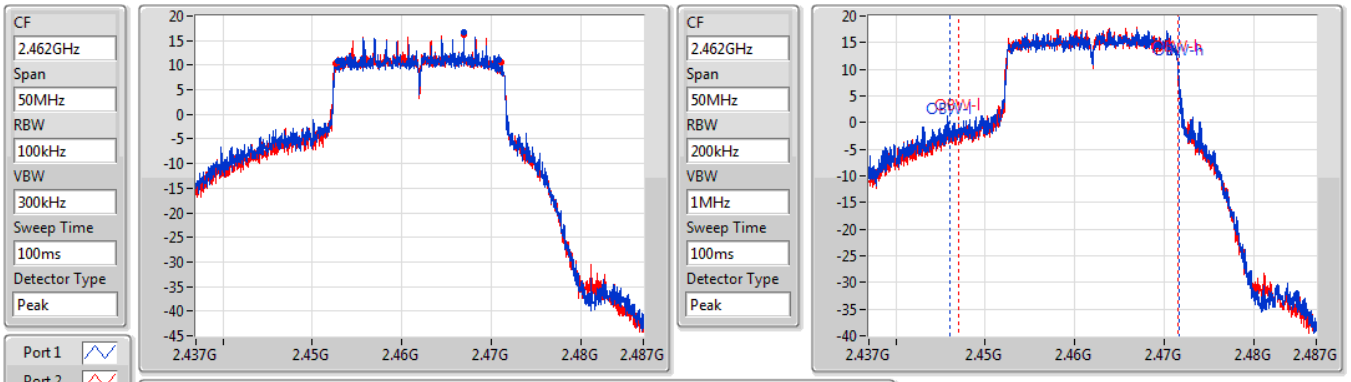


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.775M	2.4275G	2.446275G	19.415M	2.427355G	2.44677G	500k	1
18.3M	2.42755G	2.44585G	19.74M	2.426955G	2.446695G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

2462MHz

04/08/2020

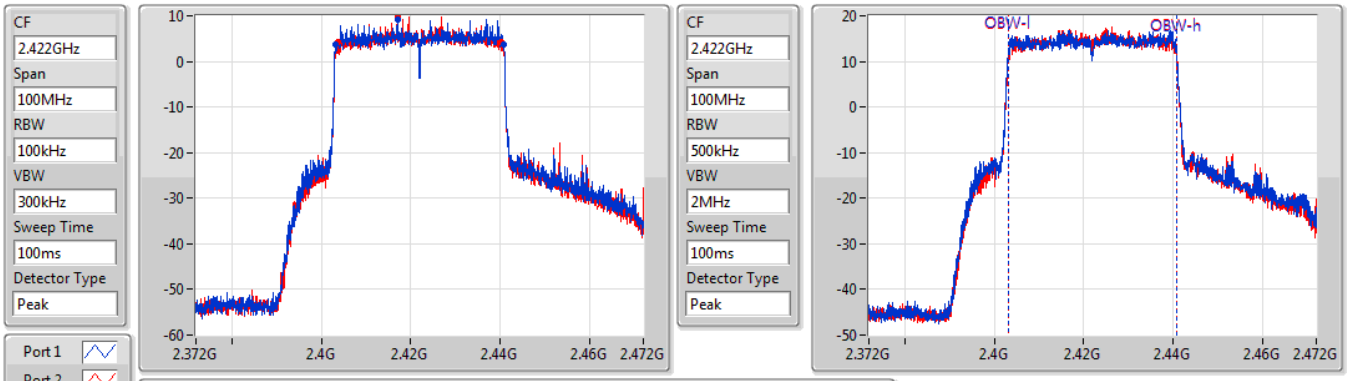


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18M	2.45285G	2.47085G	25.537M	2.446108G	2.471645G	500k	1
18.525M	2.452625G	2.47115G	24.488M	2.447057G	2.471545G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

2422MHz

04/08/2020

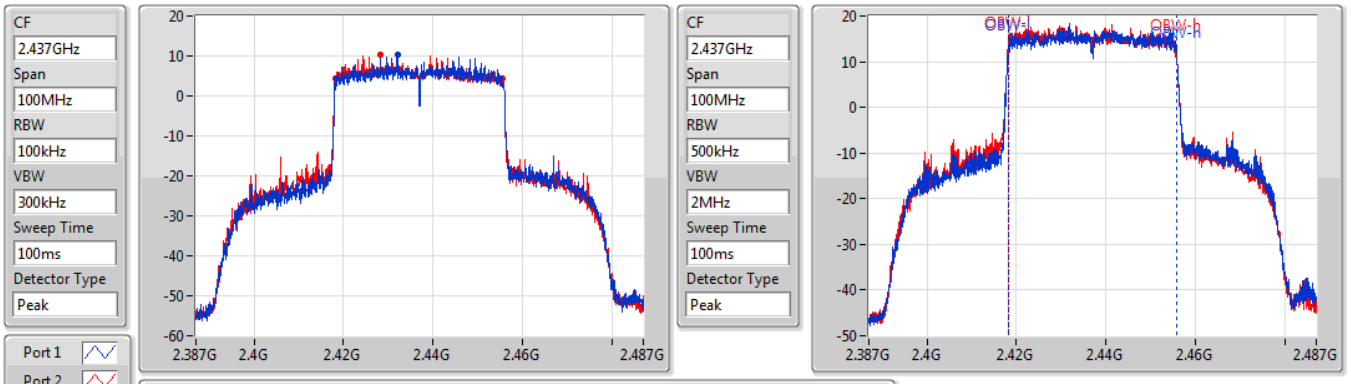


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.55M	2.40315G	2.4407G	37.581M	2.403209G	2.440791G	500k	1
36.55M	2.4037G	2.44025G	37.431M	2.403309G	2.440741G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

2437MHz

04/08/2020

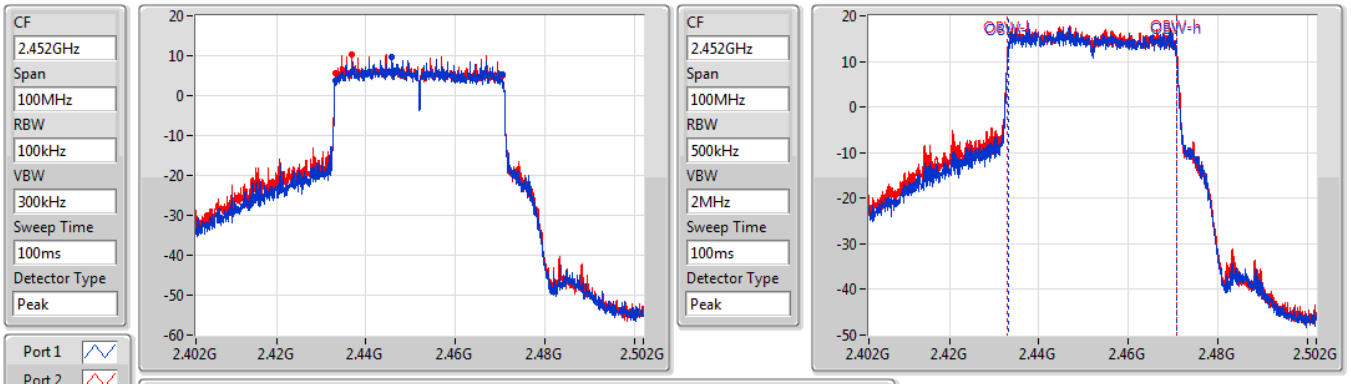


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.7M	2.4184G	2.4551G	37.581M	2.418159G	2.455741G	500k	1
37.35M	2.4182G	2.45555G	37.631M	2.418109G	2.455741G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

2452MHz

04/08/2020



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.4M	2.4331G	2.4705G	37.581M	2.433109G	2.470691G	500k	1
37.25M	2.4332G	2.47045G	37.681M	2.433009G	2.470691G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	29.97	0.99312
802.11g_Nss1,(6Mbps)_2TX	29.99	0.99770
802.11ax HEW20_Nss1,(MCS0)_2TX	29.87	0.97051
802.11ax HEW40_Nss1,(MCS0)_2TX	28.34	0.68234

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.99	26.84	27.08	29.97	30.00
2417MHz	Pass	1.99	26.84	27.01	29.94	30.00
2437MHz	Pass	1.99	26.92	26.58	29.76	30.00
2457MHz	Pass	1.99	26.48	27.18	29.85	30.00
2462MHz	Pass	1.99	26.61	27.18	29.91	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.99	24.01	24.14	27.09	30.00
2417MHz	Pass	1.99	26.91	27.04	29.99	30.00
2437MHz	Pass	1.99	26.72	26.67	29.71	30.00
2457MHz	Pass	1.99	25.99	26.71	29.38	30.00
2462MHz	Pass	1.99	25.77	26.16	28.98	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.99	24.02	24.19	27.12	30.00
2417MHz	Pass	1.99	26.74	26.98	29.87	30.00
2437MHz	Pass	1.99	26.59	26.53	29.57	30.00
2457MHz	Pass	1.99	26.23	26.87	29.57	30.00
2462MHz	Pass	1.99	26.50	26.72	29.62	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	1.99	23.44	23.52	26.49	30.00
2427MHz	Pass	1.99	25.27	25.38	28.34	30.00
2437MHz	Pass	1.99	24.14	24.59	27.38	30.00
2447MHz	Pass	1.99	24.52	25.01	27.78	30.00
2452MHz	Pass	1.99	23.69	24.16	26.94	30.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	29.87	0.97051
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	28.34	0.68234

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.99	24.02	24.19	27.12	30.00
2417MHz	Pass	4.99	26.74	26.98	29.87	30.00
2437MHz	Pass	4.99	26.59	26.53	29.57	30.00
2457MHz	Pass	4.99	26.23	26.87	29.57	30.00
2462MHz	Pass	4.99	26.5	26.72	29.62	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.99	23.44	23.52	26.49	30.00
2427MHz	Pass	4.99	25.27	25.38	28.34	30.00
2437MHz	Pass	4.99	24.14	24.59	27.38	30.00
2447MHz	Pass	4.99	24.52	25.01	27.78	30.00
2452MHz	Pass	4.99	23.69	24.16	26.94	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	6.53
802.11g_Nss1,(6Mbps)_2TX	4.36
802.11ax HEW20_Nss1,(MCS0)_2TX	3.50
802.11ax HEW40_Nss1,(MCS0)_2TX	-2.02

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

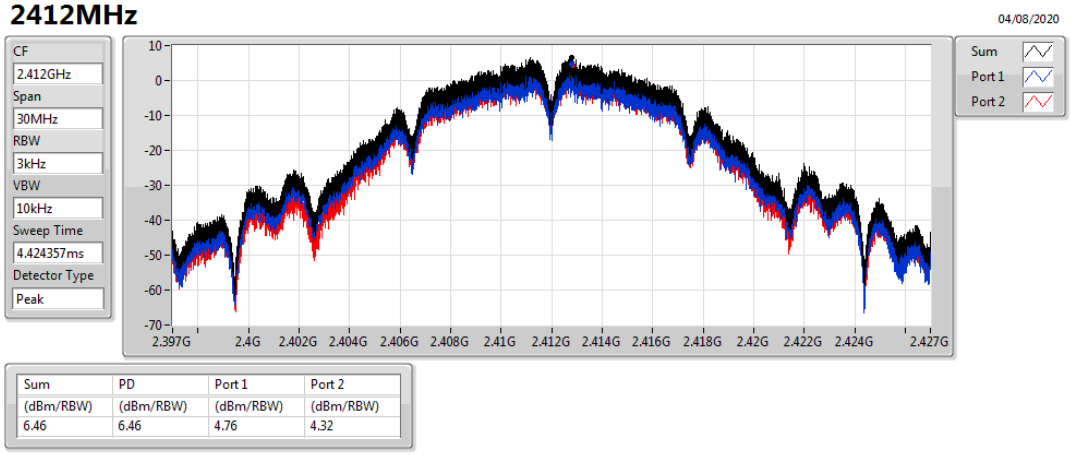
Result

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	4.99	4.76	4.32	6.46	8.00
2437MHz	Pass	4.99	4.33	3.99	6.29	8.00
2462MHz	Pass	4.99	4.88	5.67	6.53	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.99	-1.55	-1.40	1.21	8.00
2437MHz	Pass	4.99	1.04	2.53	4.36	8.00
2462MHz	Pass	4.99	0.41	1.16	3.79	8.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.99	-3.04	-1.82	0.05	8.00
2437MHz	Pass	4.99	-0.02	1.06	3.50	8.00
2462MHz	Pass	4.99	-0.11	1.24	3.29	8.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.99	-5.33	-5.17	-2.92	8.00
2437MHz	Pass	4.99	-4.62	-4.62	-2.02	8.00
2452MHz	Pass	4.99	-4.35	-4.81	-2.29	8.00

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

802.11b_Nss1,(1Mbps)_2TX PSD

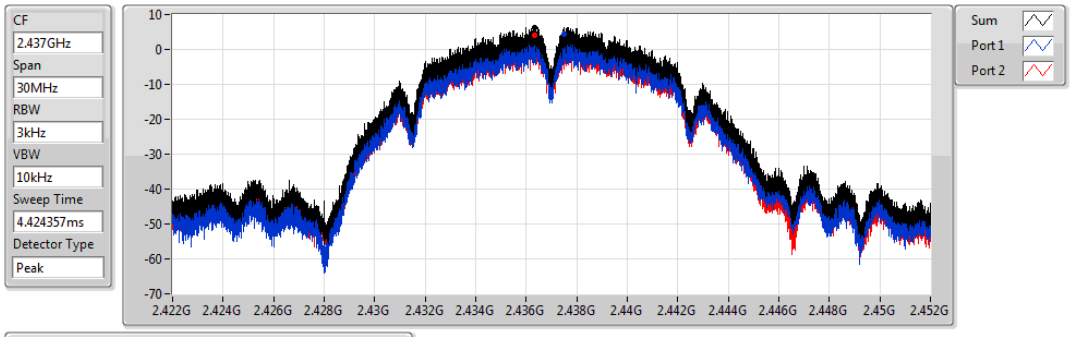
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.46	6.46	4.76	4.32

802.11b_Nss1,(1Mbps)_2TX PSD

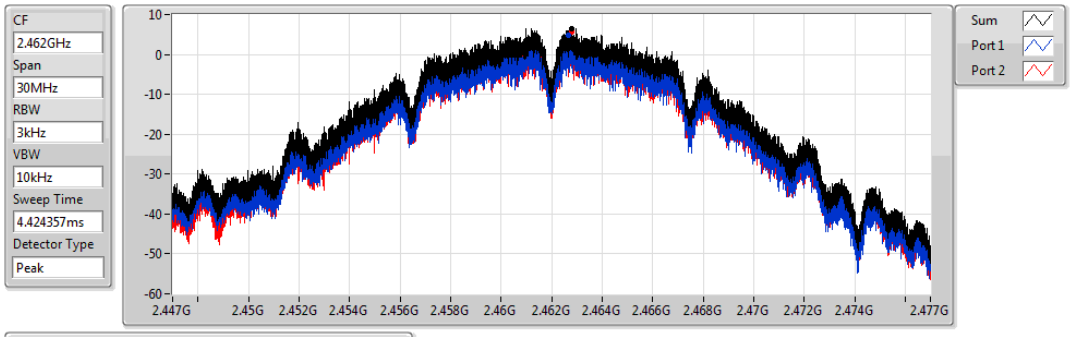
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.29	6.29	4.33	3.99

802.11b_Nss1,(1Mbps)_2TX PSD

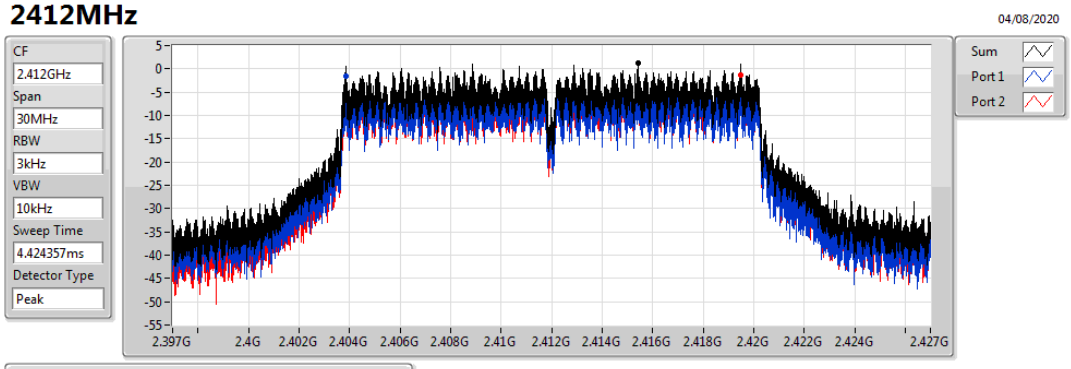
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.53	6.53	4.88	5.67

802.11g_Nss1,(6Mbps)_2TX PSD

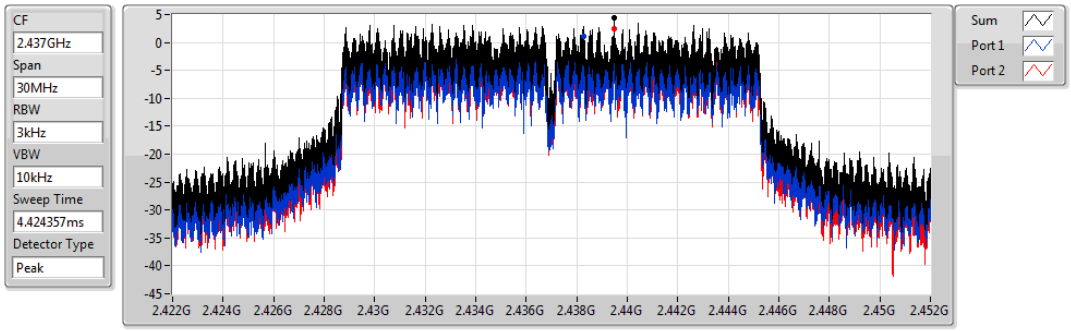
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.21	1.21	-1.55	-1.40

802.11g_Nss1,(6Mbps)_2TX PSD

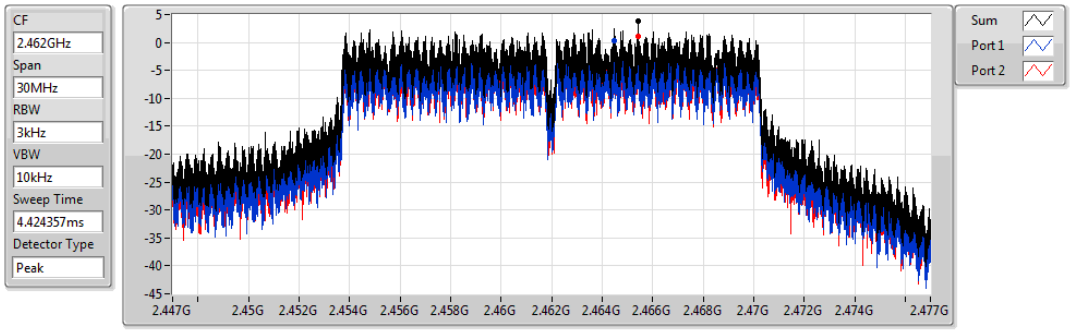
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.36	4.36	1.04	2.53

802.11g_Nss1,(6Mbps)_2TX PSD

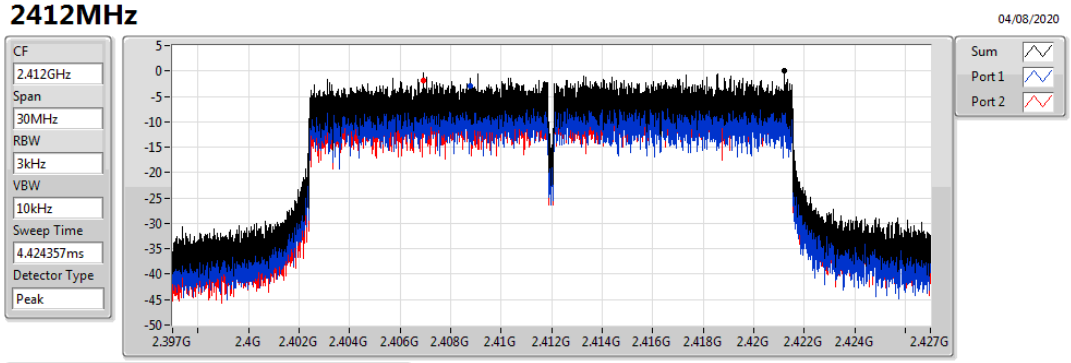
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.79	3.79	0.41	1.16

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

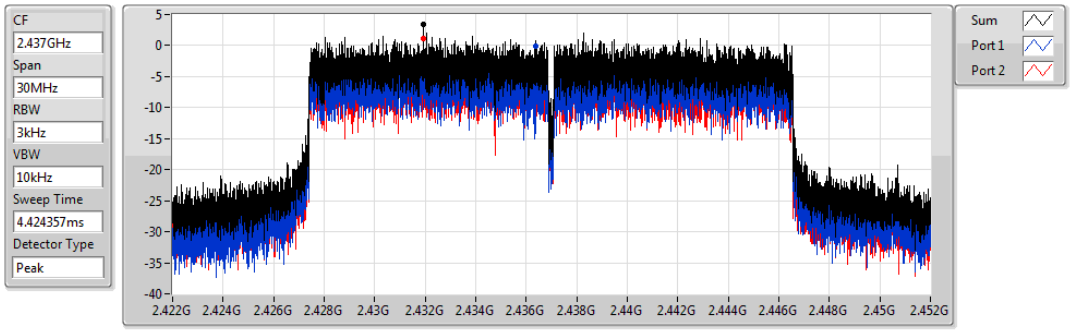
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.05	0.05	-3.04	-1.82

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

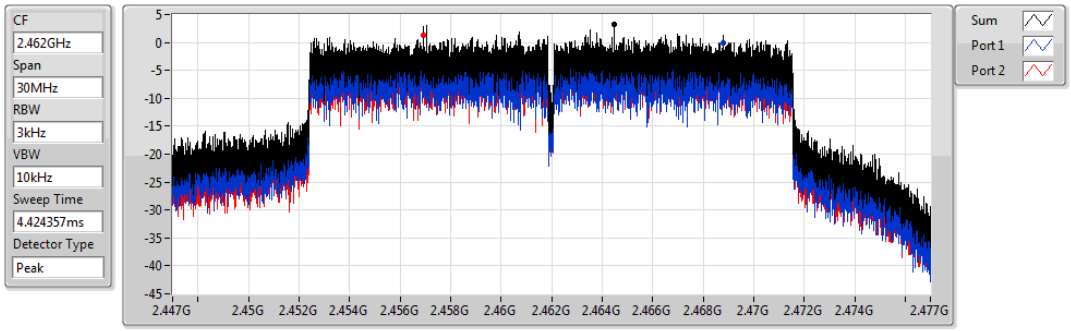
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.50	3.50	-0.02	1.06

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

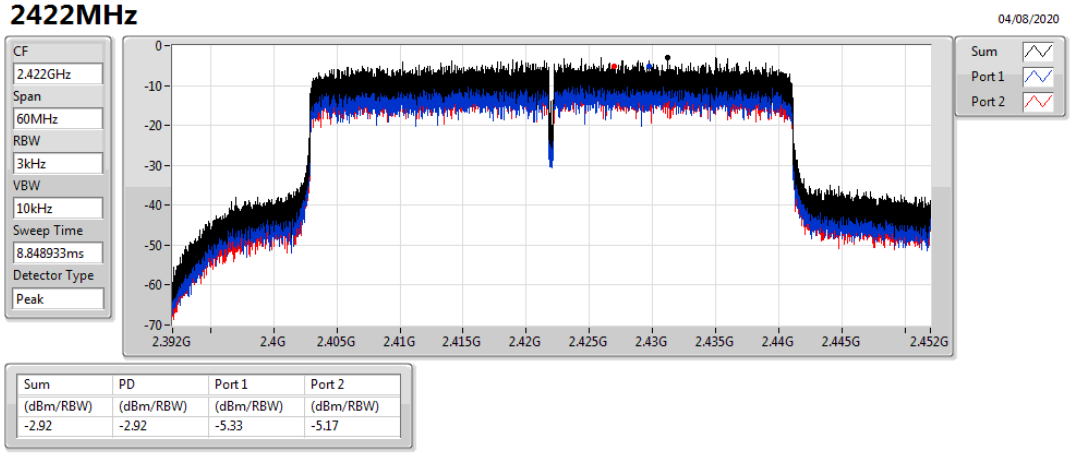
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.29	3.29	-0.11	1.24

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

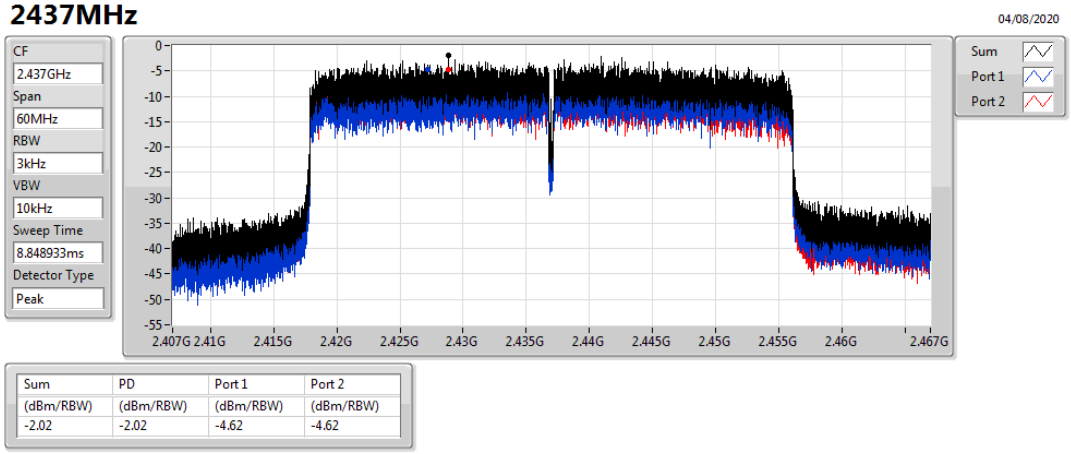
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.92	-2.92	-5.33	-5.17

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

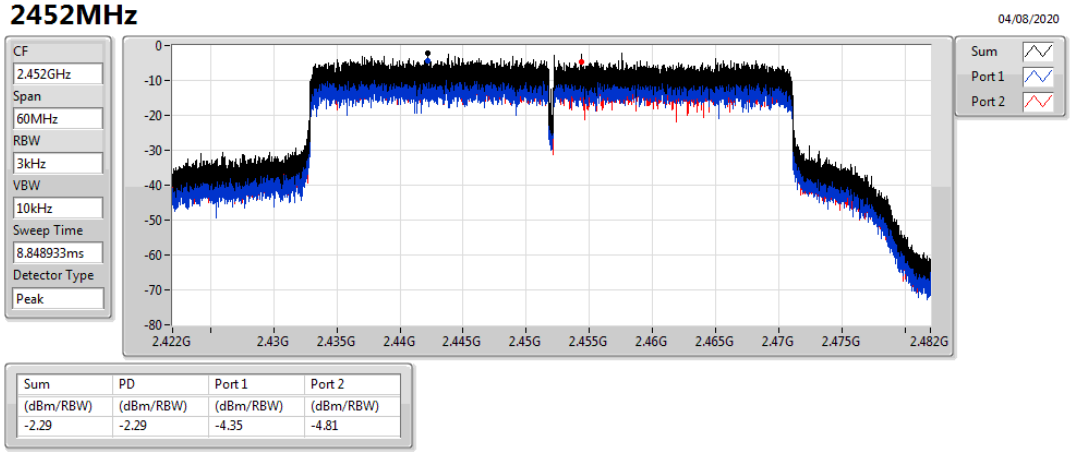
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.02	-2.02	-4.62	-4.62

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.29	-2.29	-4.35	-4.81

Summary

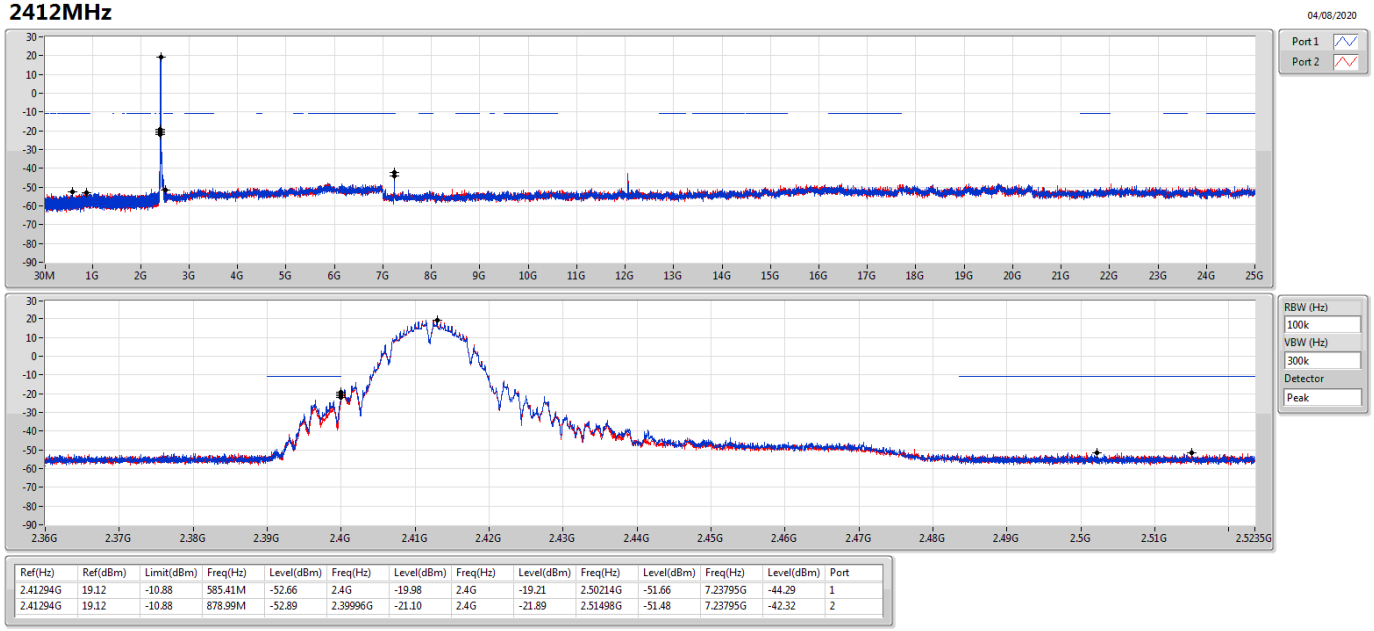
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.41294G	19.12	-10.88	585.41M	-52.66	2.4G	-19.98	2.4G	-19.21	2.50214G	-51.66	7.23795G	-44.29	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.44196G	16.28	-13.72	2.18787G	-52.93	2.39822G	-14.55	2.4G	-16.09	2.48372G	-52.18	6.44846G	-47.17	1
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.46701G	16.88	-13.12	644.54M	-52.85	2.39954G	-13.93	2.4G	-18.91	2.51082G	-52.07	5.83878G	-48.18	1
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.43449G	10.86	-19.14	925.96M	-52.46	2.39976G	-19.45	2.4G	-25.86	2.48366G	-49.50	6.75632G	-47.48	2

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.41294G	19.12	-10.88	585.41M	-52.66	2.4G	-19.98	2.4G	-19.21	2.50214G	-51.66	7.23795G	-44.29	1
2412MHz	Pass	2.41294G	19.12	-10.88	878.99M	-52.89	2.39996G	-21.10	2.4G	-21.89	2.51498G	-51.48	7.23795G	-42.32	2
2437MHz	Pass	2.41294G	19.12	-10.88	2.30292G	-52.65	2.39996G	-45.98	2.4G	-47.17	2.48586G	-51.87	6.79123G	-48.07	1
2437MHz	Pass	2.41294G	19.12	-10.88	99.9M	-52.10	2.39958G	-46.63	2.4G	-45.91	2.48414G	-51.14	5.81069G	-48.24	2
2462MHz	Pass	2.41294G	19.12	-10.88	2.18496G	-53.22	2.3998G	-46.57	2.4G	-47.40	2.48568G	-50.51	5.80507G	-48.04	1
2462MHz	Pass	2.41294G	19.12	-10.88	99.9M	-52.39	2.39878G	-46.39	2.4G	-48.79	2.48566G	-51.01	24.81738G	-48.65	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44196G	16.28	-13.72	2.18787G	-52.93	2.39822G	-14.55	2.4G	-16.09	2.48372G	-52.18	6.44846G	-47.17	1
2412MHz	Pass	2.44196G	16.28	-13.72	99.9M	-52.69	2.39824G	-14.96	2.4G	-20.63	2.49652G	-51.99	16.23978G	-47.94	2
2437MHz	Pass	2.44196G	16.28	-13.72	1.99769G	-52.85	2.39824G	-32.73	2.4G	-33.43	2.5084G	-51.96	5.99612G	-47.95	1
2437MHz	Pass	2.44196G	16.28	-13.72	938.41M	-52.81	2.39946G	-32.69	2.4G	-35.57	2.49968G	-51.30	16.43083G	-48.19	2
2462MHz	Pass	2.44196G	16.28	-13.72	2.19195G	-52.44	2.39984G	-41.29	2.4835G	-41.38	2.4836G	-40.42	5.78821G	-48.45	1
2462MHz	Pass	2.44196G	16.28	-13.72	2.16545G	-53.07	2.3989G	-42.41	2.4835G	-42.94	2.48354G	-41.21	5.84721G	-46.80	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.46701G	16.88	-13.12	644.54M	-52.85	2.39954G	-13.93	2.4G	-18.91	2.51082G	-52.07	5.83878G	-48.18	1
2412MHz	Pass	2.46701G	16.88	-13.12	903.75M	-52.36	2.39948G	-14.15	2.4G	-17.06	2.48816G	-51.65	6.63951G	-48.22	2
2437MHz	Pass	2.46701G	16.88	-13.12	1.98196G	-52.59	2.39946G	-31.79	2.4G	-31.98	2.49378G	-51.63	5.75169G	-47.32	1
2437MHz	Pass	2.46701G	16.88	-13.12	1.82206G	-53.01	2.3999G	-29.76	2.4G	-32.76	2.49942G	-51.81	6.81651G	-47.83	2
2462MHz	Pass	2.46701G	16.88	-13.12	1.71168G	-52.74	2.39942G	-36.61	2.4835G	-36.18	2.48382G	-33.25	5.91745G	-47.89	1
2462MHz	Pass	2.46701G	16.88	-13.12	911.03M	-52.53	2.39926G	-38.27	2.4835G	-38.05	2.48372G	-35.59	5.78821G	-48.41	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43449G	10.86	-19.14	2.11476G	-52.78	2.39772G	-21.74	2.4G	-24.56	2.5003G	-52.11	5.90093G	-48.03	1
2422MHz	Pass	2.43449G	10.86	-19.14	1.97822G	-52.78	2.39952G	-19.67	2.4G	-25.71	2.5345G	-51.49	5.85045G	-47.92	2
2437MHz	Pass	2.43449G	10.86	-19.14	891.9M	-52.17	2.39972G	-22.62	2.4G	-23.15	2.48466G	-48.11	6.71986G	-48.44	1
2437MHz	Pass	2.43449G	10.86	-19.14	925.96M	-52.46	2.39976G	-19.45	2.4G	-25.86	2.48366G	-49.50	6.75632G	-47.48	2
2452MHz	Pass	2.43449G	10.86	-19.14	880.74M	-52.37	2.39976G	-30.51	2.4G	-35.36	2.4849G	-43.09	5.89252G	-47.55	1
2452MHz	Pass	2.43449G	10.86	-19.14	99.85M	-53.10	2.39976G	-29.73	2.4G	-33.15	2.48822G	-41.47	6.02994G	-47.60	2

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

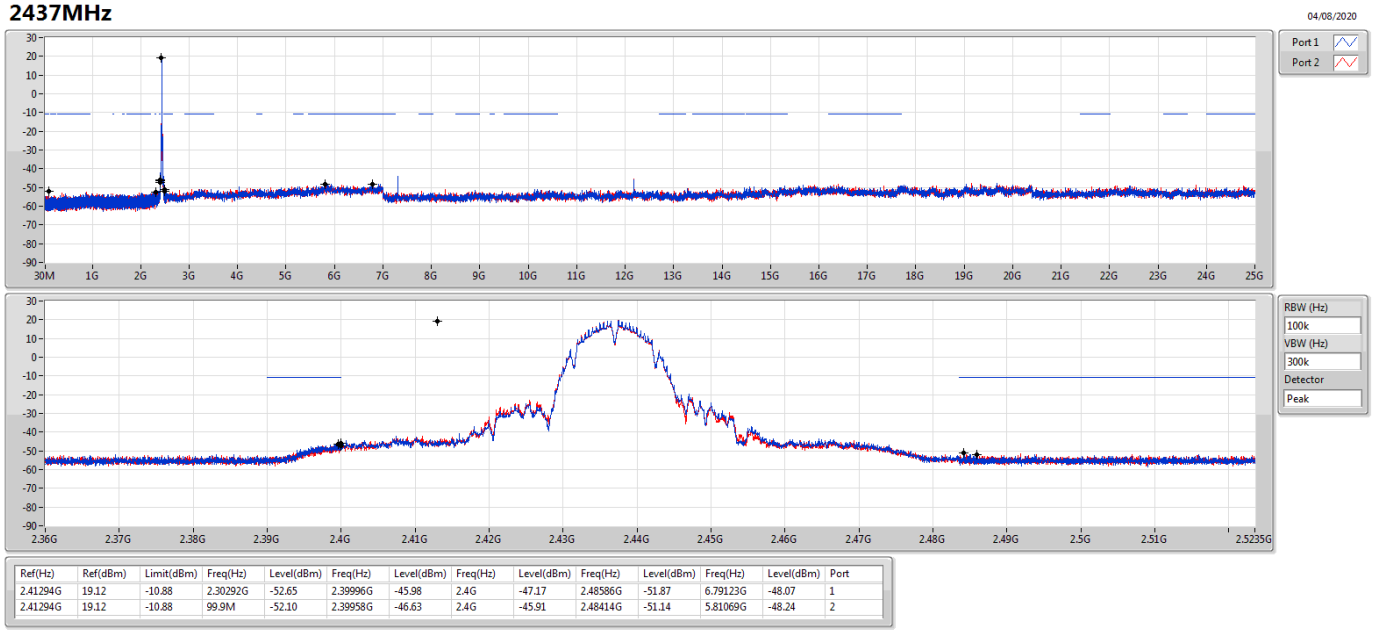
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41294G	19.12	-10.88	585.41M	-52.66	2.4G	-19.98	2.4G	-19.21	2.50214G	-51.66	7.23795G	-44.29	1
2.41294G	19.12	-10.88	878.99M	-52.89	2.39996G	-21.10	2.4G	-21.89	2.51498G	-51.48	7.23795G	-42.32	2

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

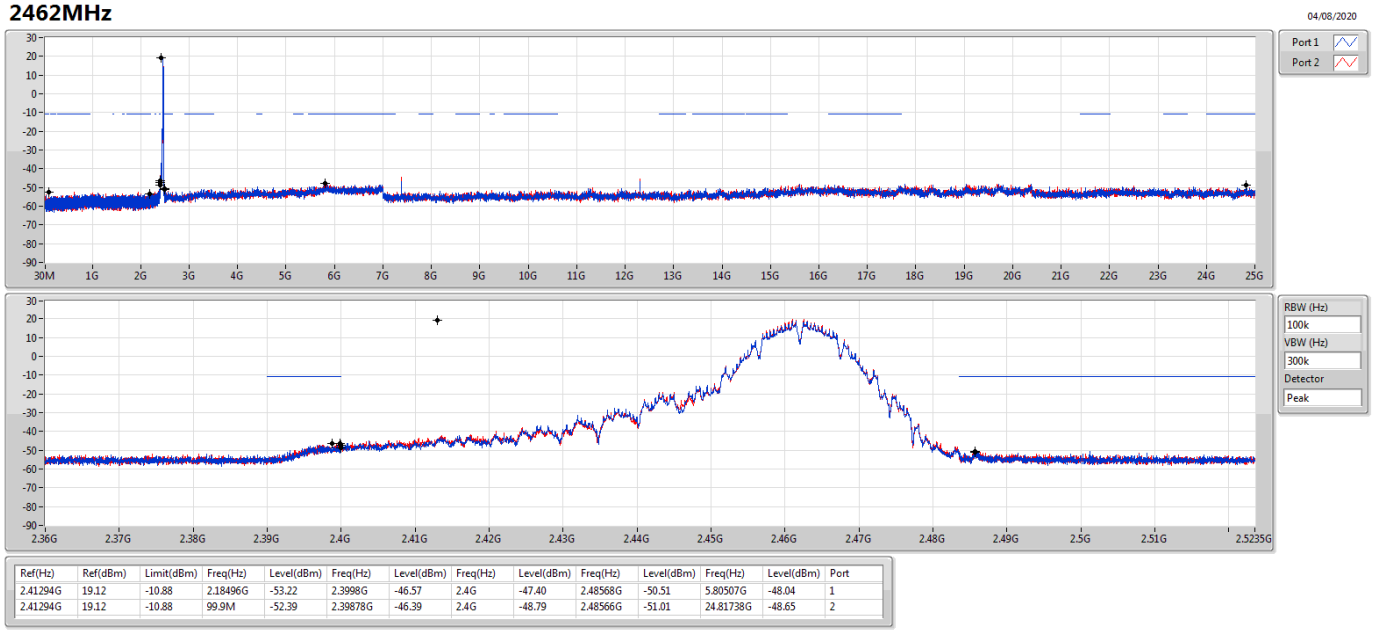
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41294G	19.12	-10.88	2.30292G	-52.65	2.39996G	-45.98	2.4G	-47.17	2.48586G	-51.87	6.79123G	-48.07	1
2.41294G	19.12	-10.88	99.9M	-52.10	2.39958G	-46.63	2.4G	-45.91	2.48414G	-51.14	5.81069G	-48.24	2

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

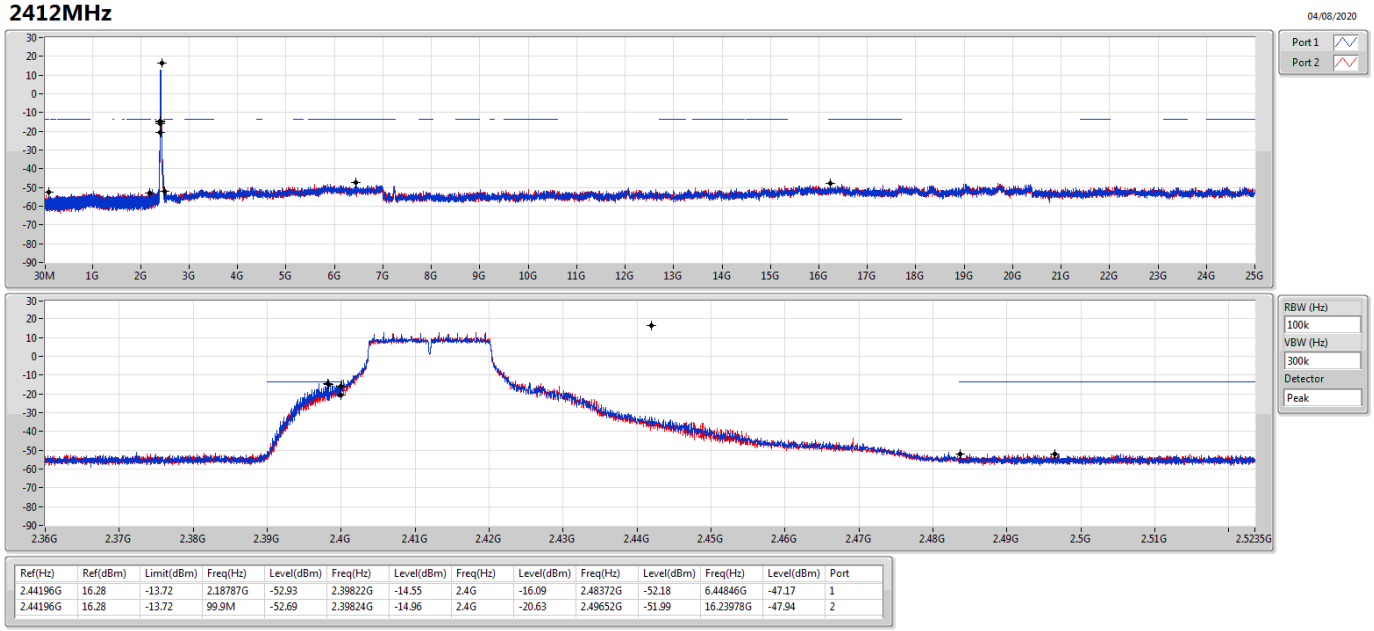
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41294G	19.12	-10.88	2.18496G	-53.22	2.3998G	-46.57	2.4G	-47.40	2.48568G	-50.51	5.80507G	-48.04	1
2.41294G	19.12	-10.88	99.9M	-52.39	2.39878G	-46.39	2.4G	-48.79	2.48566G	-51.01	24.81738G	-48.65	2

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

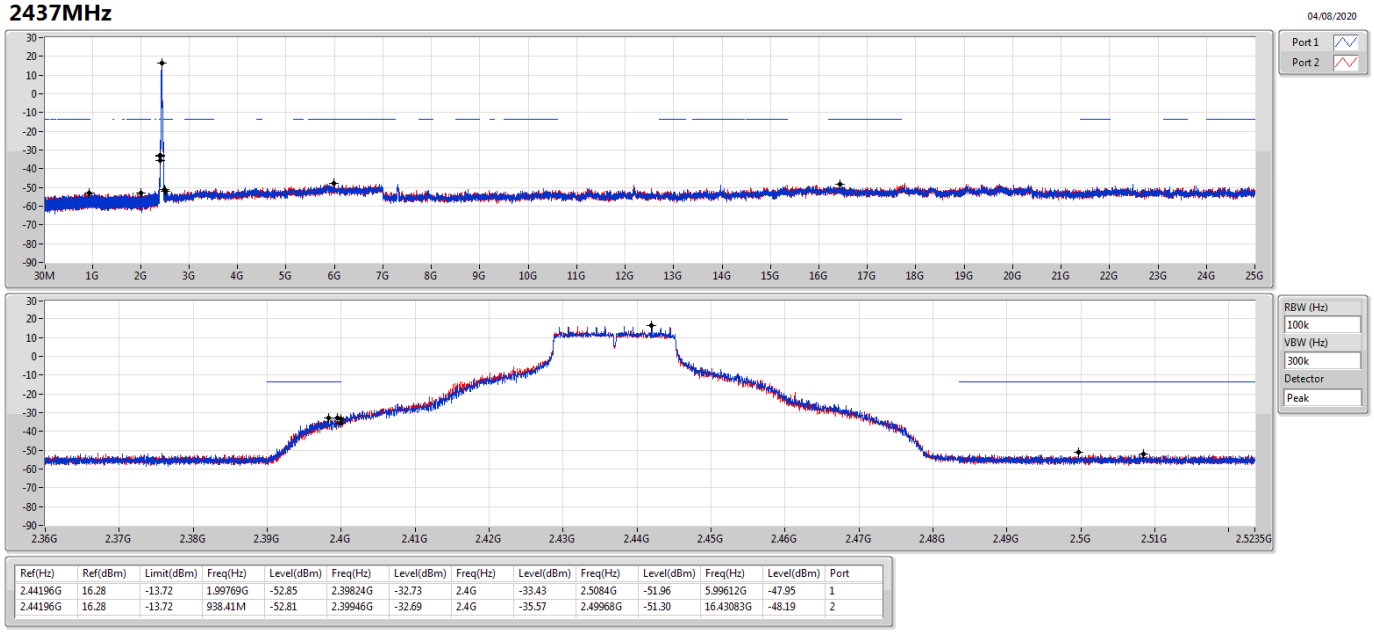
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44196G	16.28	-13.72	2.18787G	-52.93	2.39822G	-14.55	2.4G	-16.09	2.48372G	-52.18	6.44846G	-47.17	1
2.44196G	16.28	-13.72	99.9M	-52.69	2.39824G	-14.96	2.4G	-20.63	2.49652G	-51.99	16.23978G	-47.94	2

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

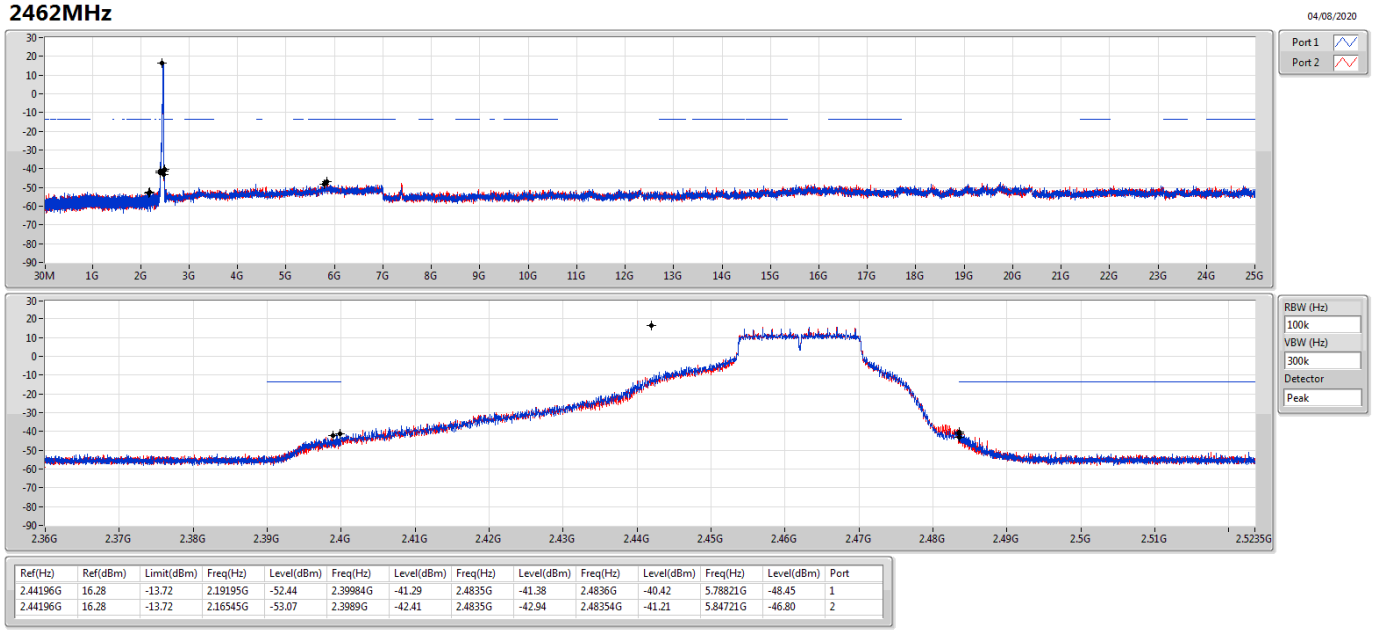
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44196G	16.28	-13.72	1.99769G	-52.85	2.39824G	-32.73	2.4G	-33.43	2.5084G	-51.96	5.99612G	-47.95	1
2.44196G	16.28	-13.72	938.41M	-52.81	2.39946G	-32.69	2.4G	-35.57	2.49968G	-51.30	16.43083G	-48.19	2

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

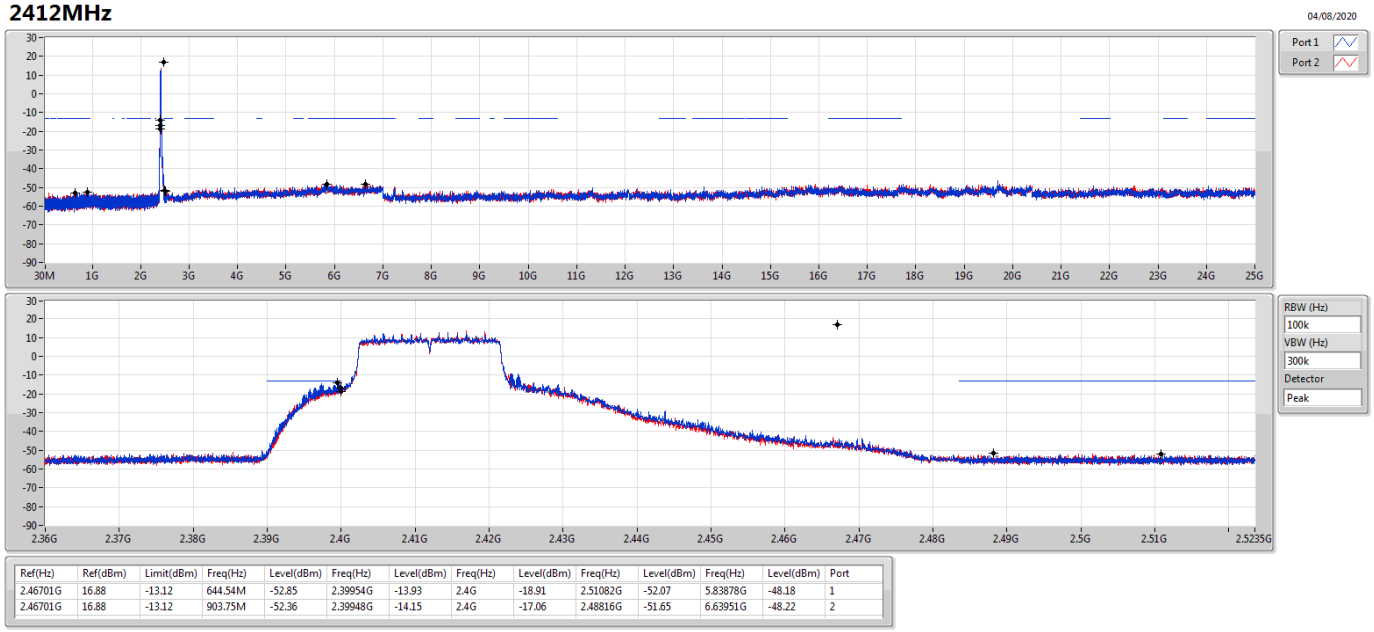
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44196G	16.28	-13.72	2.19195G	-52.44	2.39984G	-41.29	2.4835G	-41.38	2.4836G	-40.42	5.78821G	-48.45	1
2.44196G	16.28	-13.72	2.16545G	-53.07	2.3989G	-42.41	2.4835G	-42.94	2.48354G	-41.21	5.84721G	-46.80	2

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

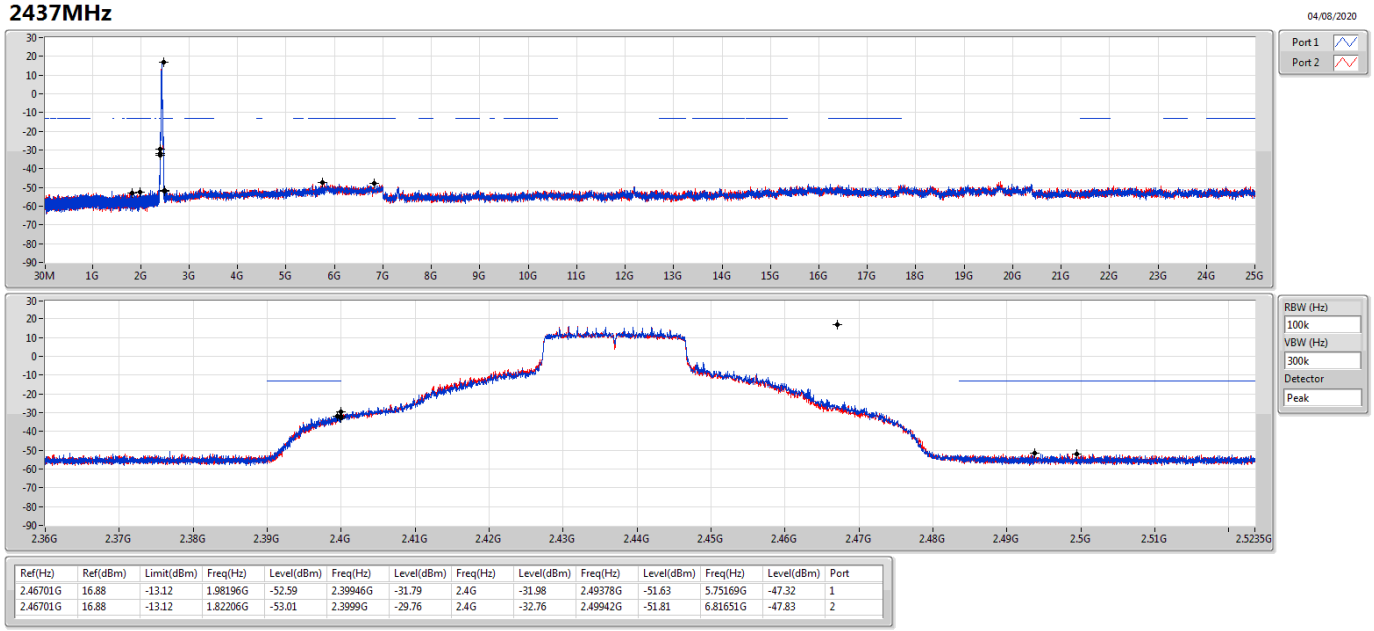
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.46701G	16.88	-13.12	644.54M	-52.85	2.39954G	-13.93	2.4G	-18.91	2.51082G	-52.07	5.83878G	-48.18	1
2.46701G	16.88	-13.12	903.75M	-52.36	2.39948G	-14.15	2.4G	-17.06	2.48816G	-51.65	6.63951G	-48.22	2

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

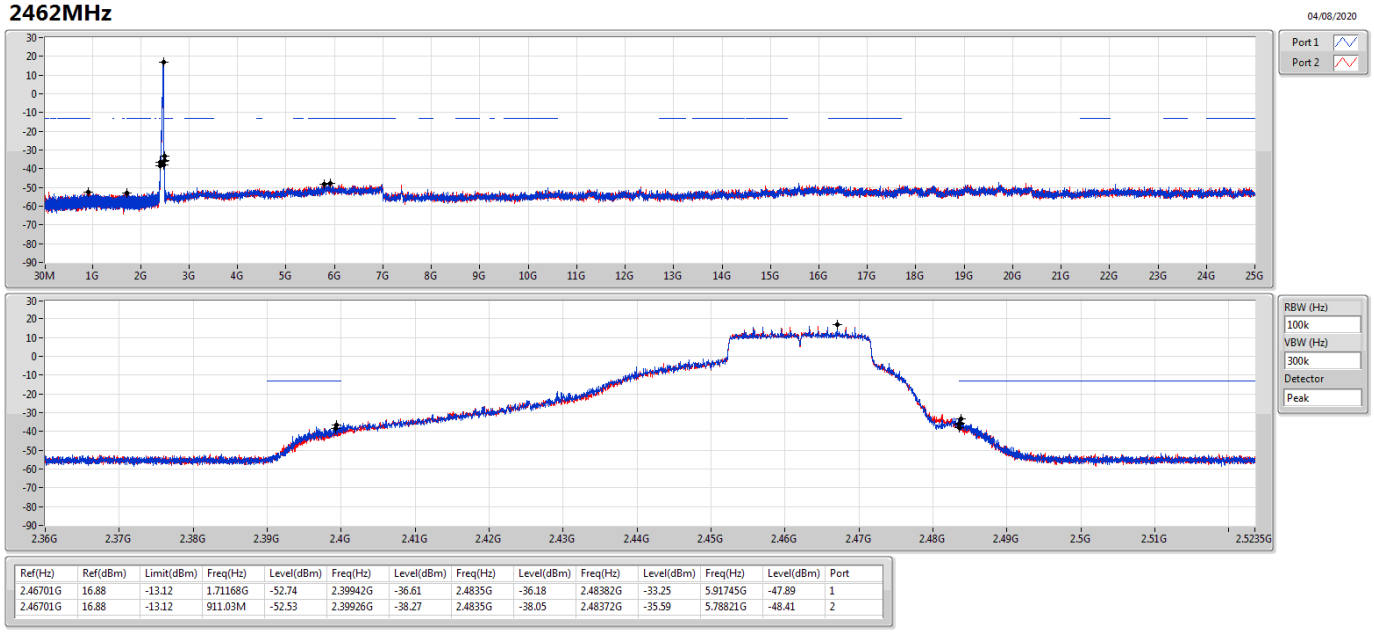
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.46701G	16.88	-13.12	1.98196G	-52.59	2.39946G	-31.79	2.4G	-31.98	2.49378G	-51.63	5.75169G	-47.32	1
2.46701G	16.88	-13.12	1.82206G	-53.01	2.3999G	-29.76	2.4G	-32.76	2.49942G	-51.81	6.81651G	-47.83	2

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

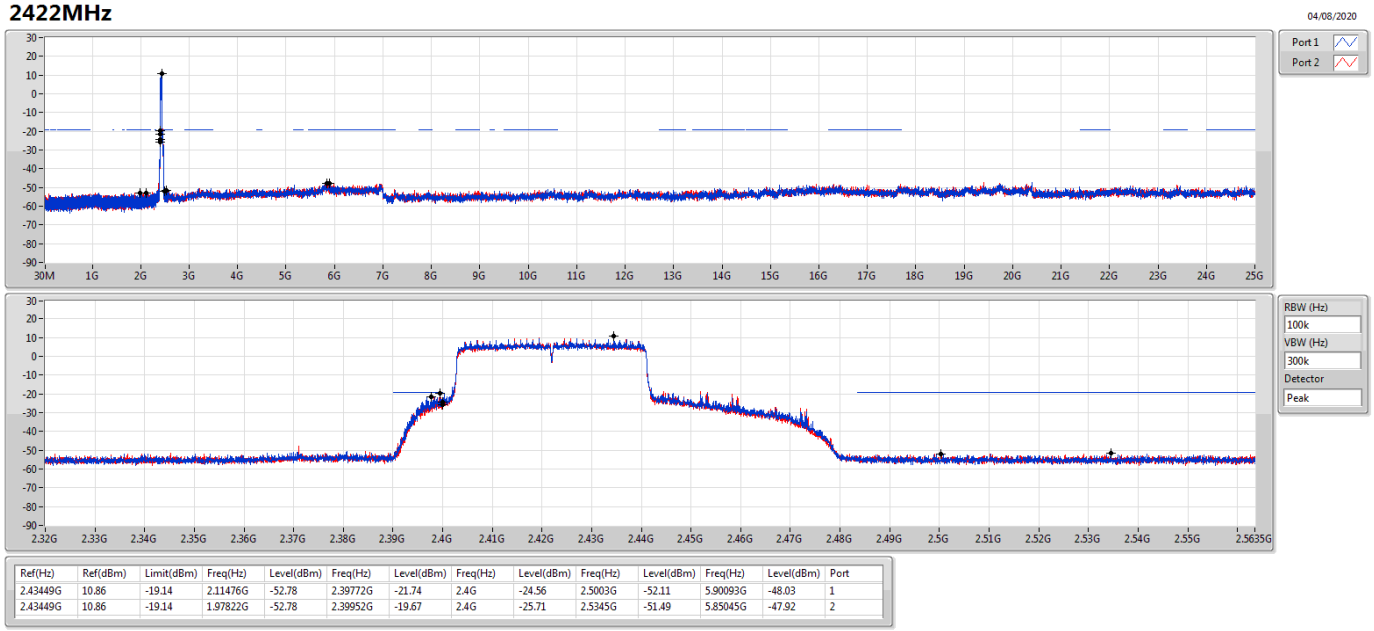
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.46701G	16.88	-13.12	1.71168G	-52.74	2.39942G	-36.61	2.4835G	-36.18	2.48382G	-33.25	5.91745G	-47.89	1
2.46701G	16.88	-13.12	911.03M	-52.53	2.39926G	-38.27	2.4835G	-38.05	2.48372G	-35.59	5.78821G	-48.41	2

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

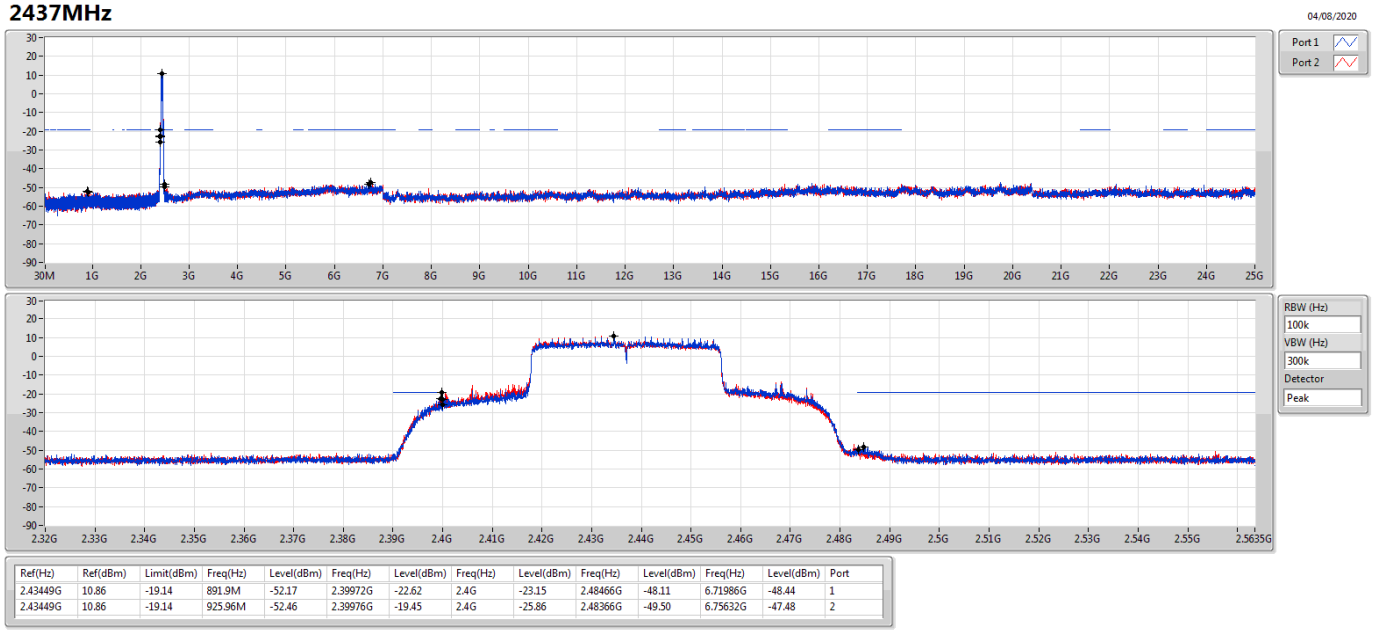
2422MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43449G	10.86	-19.14	2.11476G	-52.78	2.39772G	-21.74	2.4G	-24.56	2.5003G	-52.11	5.90093G	-48.03	1
2.43449G	10.86	-19.14	1.97822G	-52.78	2.39952G	-19.67	2.4G	-25.71	2.5345G	-51.49	5.85045G	-47.92	2

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

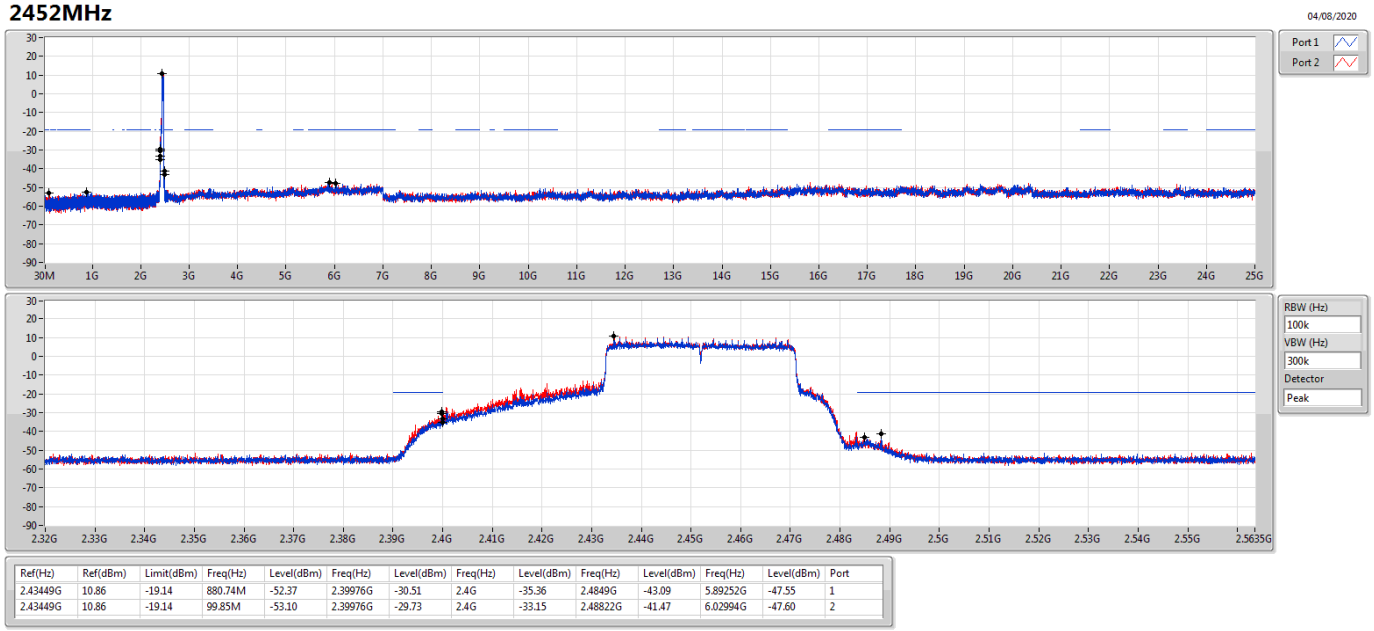
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43449G	10.86	-19.14	891.9M	-52.17	2.39972G	-22.62	2.4G	-23.15	2.48466G	-48.11	6.71986G	-48.44	1
2.43449G	10.86	-19.14	925.96M	-52.46	2.39976G	-19.45	2.4G	-25.86	2.48366G	-49.50	6.75632G	-47.48	2

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

2452MHz



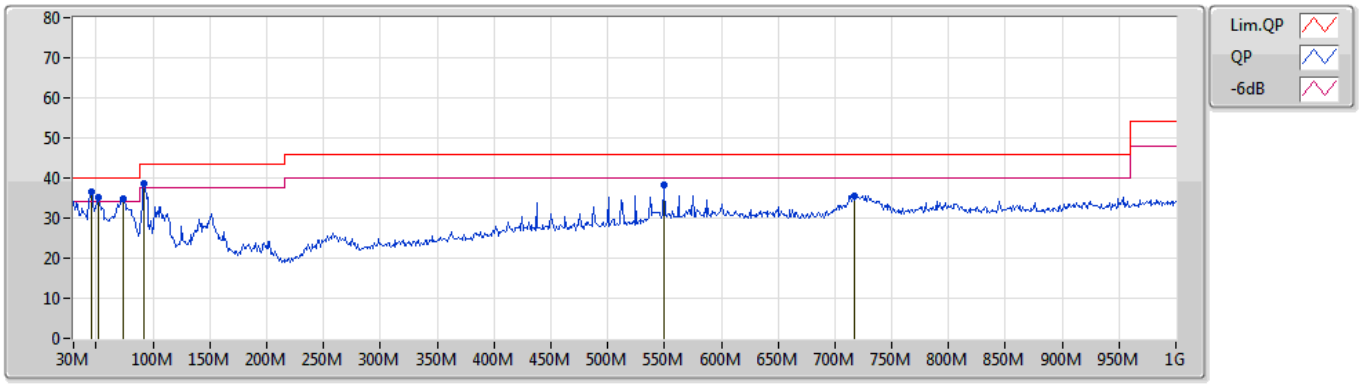
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43449G	10.86	-19.14	880.74M	-52.37	2.39976G	-30.51	2.4G	-35.36	2.4849G	-43.09	5.89252G	-47.55	1
2.43449G	10.86	-19.14	99.85M	-53.10	2.39976G	-29.73	2.4G	-33.15	2.48822G	-41.47	6.02994G	-47.60	2

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	45.52M	36.47	40.00	-3.53	Vertical

Mode 1

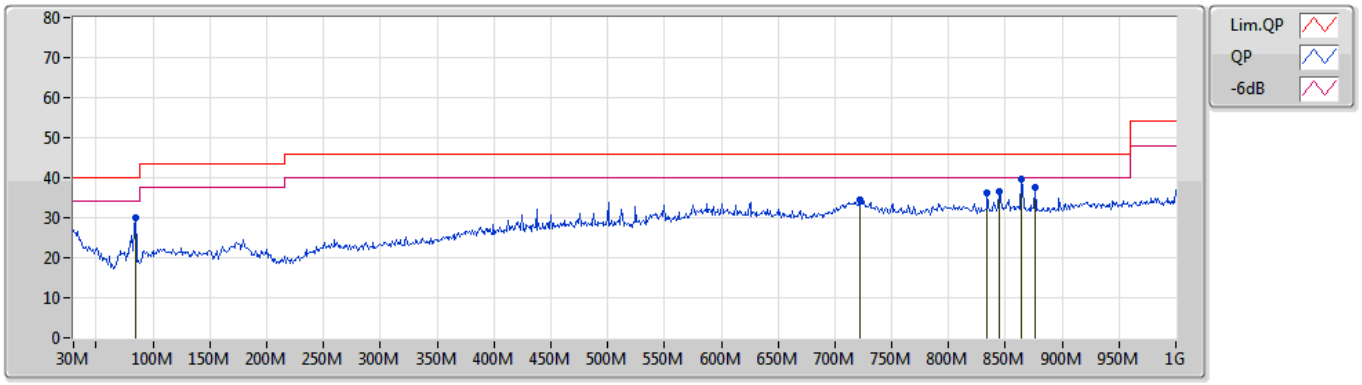
16/09/2020



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	45.52M	36.47	40.00	-3.53	-16.39	3	Vertical	351	1.00	"Worst"	52.86	15.52	0.81	32.72
PK	51.34M	35.03	40.00	-4.97	-18.45	3	Vertical	87	1.00	-	53.48	13.36	0.90	32.71
PK	73.65M	34.88	40.00	-5.12	-19.47	3	Vertical	193	1.50	-	54.35	12.11	1.00	32.58
PK	92.08M	38.53	43.50	-4.97	-16.26	3	Vertical	96	1.50	-	54.79	15.18	1.10	32.54
PK	549.92M	38.15	46.00	-7.85	-5.23	3	Vertical	28	1.25	-	43.38	24.60	2.70	32.53
PK	717.73M	35.63	46.00	-10.37	-3.65	3	Vertical	324	1.00	-	39.28	25.59	3.24	32.48

Mode 1

16/09/2020



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	84.32M	29.99	40.00	-10.01	-18.02	3	Horizontal	131	3.00	-	48.01	13.52	1.09	32.63
PK	721.61M	34.36	46.00	-11.64	-3.61	3	Horizontal	272	1.25	-	37.97	25.61	3.24	32.46
PK	834.13M	36.09	46.00	-9.91	-2.26	3	Horizontal	114	1.25	-	38.35	26.32	3.44	32.02
PK	844.8M	36.38	46.00	-9.62	-2.15	3	Horizontal	103	1.50	-	38.53	26.31	3.48	31.94
PK	864.2M	39.66	46.00	-6.34	-2.08	3	Horizontal	72	1.25	"Worst"	41.74	26.29	3.53	31.90
PK	875.84M	37.68	46.00	-8.32	-1.96	3	Horizontal	19	3.00	-	39.64	26.38	3.55	31.89

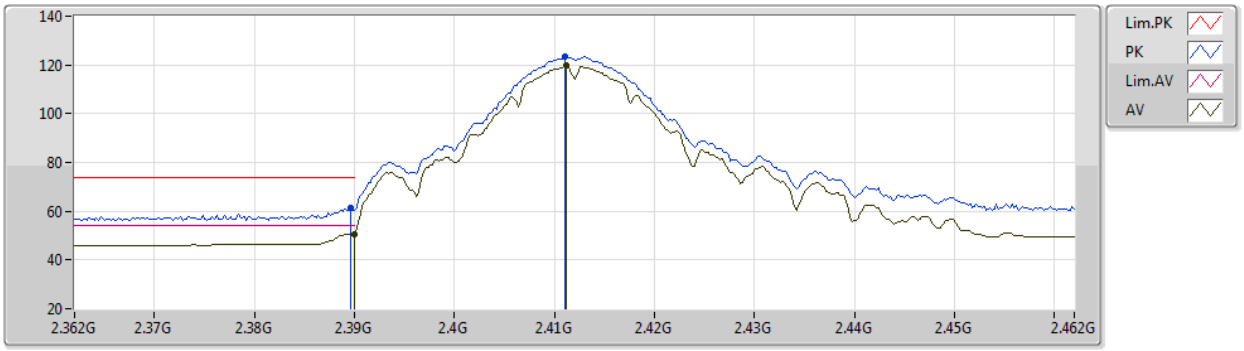
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.4835G	53.96	54.00	-0.04	3	Vertical	187	1.00	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

31/07/2020



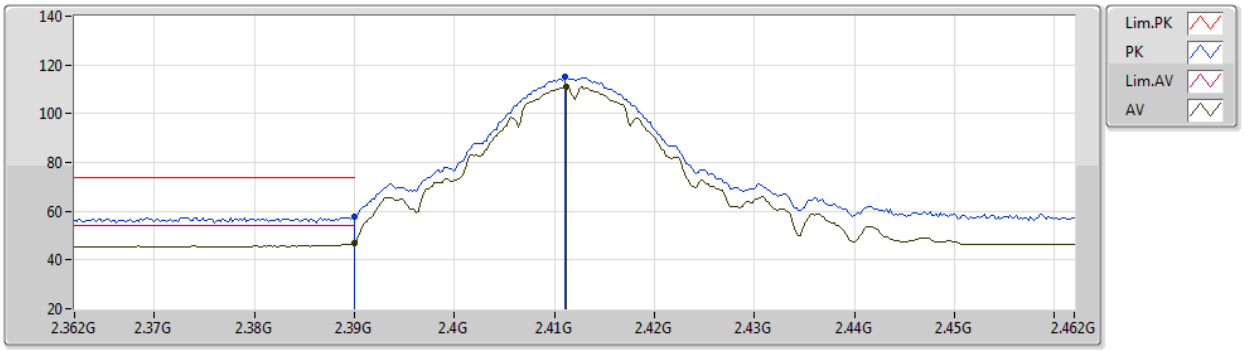
EUT Y_2TX
Setting 110
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3896G	61.47	74.00	-12.53	28.09	3	Vertical	128	1.67	-	29.39	3.99	-
AV	2.39G	50.76	54.00	-3.24	17.37	3	Vertical	128	1.67	-	29.39	4.00	-
PK	2.411G	123.52	Inf	-Inf	90.02	3	Vertical	128	1.67	-	29.49	4.01	-
AV	2.4112G	119.72	Inf	-Inf	86.22	3	Vertical	128	1.67	-	29.49	4.01	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

31/07/2020



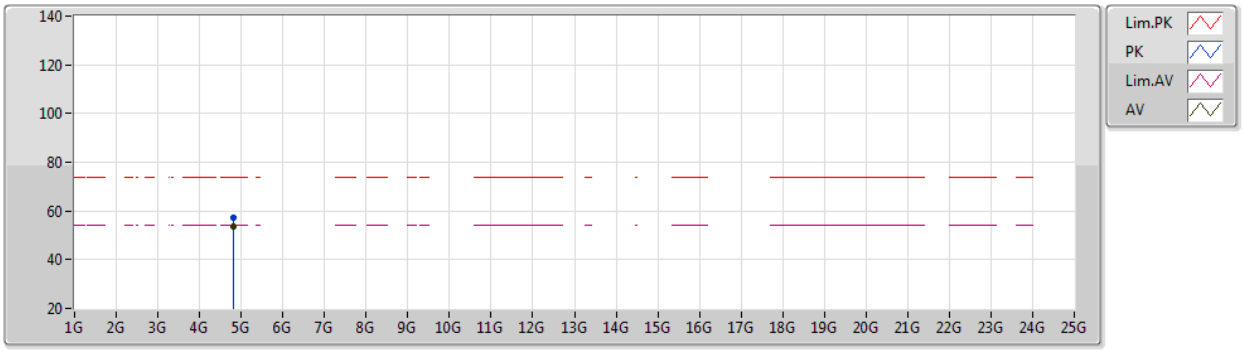
EUT Y_2TX
Setting 110
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	57.79	74.00	-16.21	24.40	3	Horizontal	101	1.42	-	29.39	4.00	-
AV	2.39G	46.93	54.00	-7.07	13.54	3	Horizontal	101	1.42	-	29.39	4.00	-
PK	2.411G	115.10	Inf	-Inf	81.60	3	Horizontal	101	1.42	-	29.49	4.01	-
AV	2.4112G	111.25	Inf	-Inf	77.75	3	Horizontal	101	1.42	-	29.49	4.01	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

31/07/2020



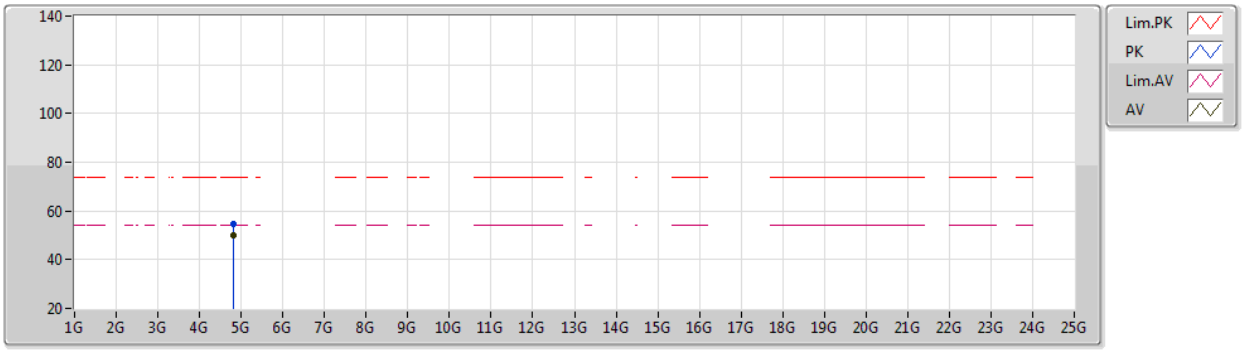
EUT Y_2TX
Setting 110
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82407G	57.09	74.00	-16.91	49.97	3	Vertical	62	2.14	-	33.52	5.33	31.73
AV	4.82402G	53.77	54.00	-0.23	46.65	3	Vertical	62	2.14	-	33.52	5.33	31.73

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

31/07/2020



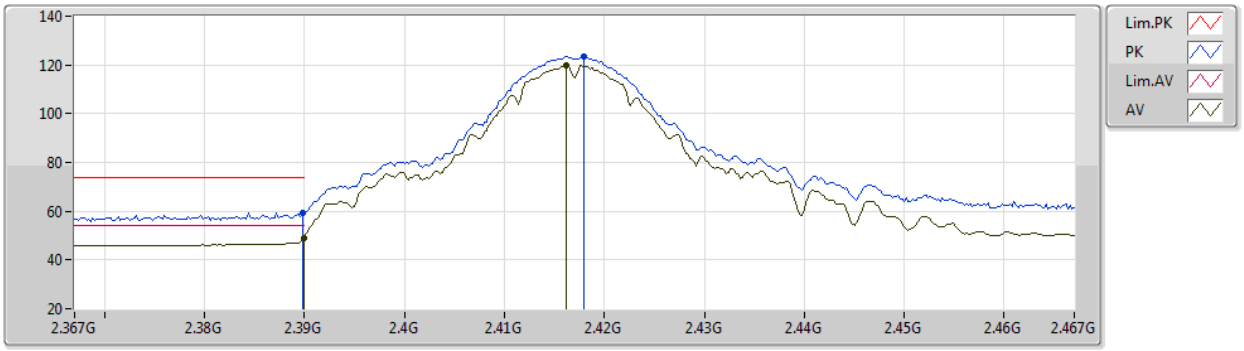
EUT Y_2TX
Setting 110
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82405G	54.64	74.00	-19.36	47.52	3	Horizontal	126	1.95	-	33.52	5.33	31.73
AV	4.824G	50.18	54.00	-3.82	43.06	3	Horizontal	126	1.95	-	33.52	5.33	31.73

802.11b_Nss1,(1Mbps)_2TX

2417MHz_TX

31/07/2020



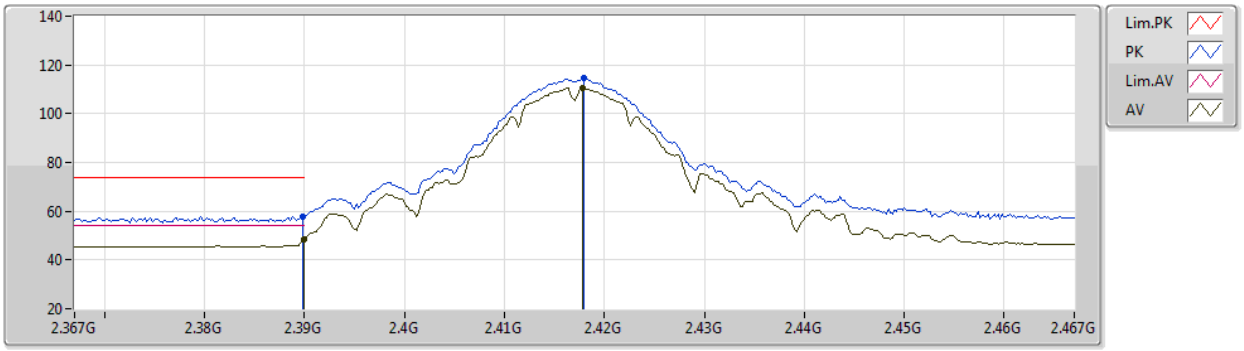
EUT Y_2TX
Setting 109
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	59.19	74.00	-14.81	25.81	3	Vertical	185	1.67	-	29.39	3.99	-
AV	2.39G	49.22	54.00	-4.78	15.83	3	Vertical	185	1.67	-	29.39	4.00	-
PK	2.418G	123.68	Inf	-Inf	90.13	3	Vertical	185	1.67	-	29.54	4.01	-
AV	2.4162G	119.74	Inf	-Inf	86.20	3	Vertical	185	1.67	-	29.53	4.01	-

802.11b_Nss1,(1Mbps)_2TX

2417MHz_TX

31/07/2020



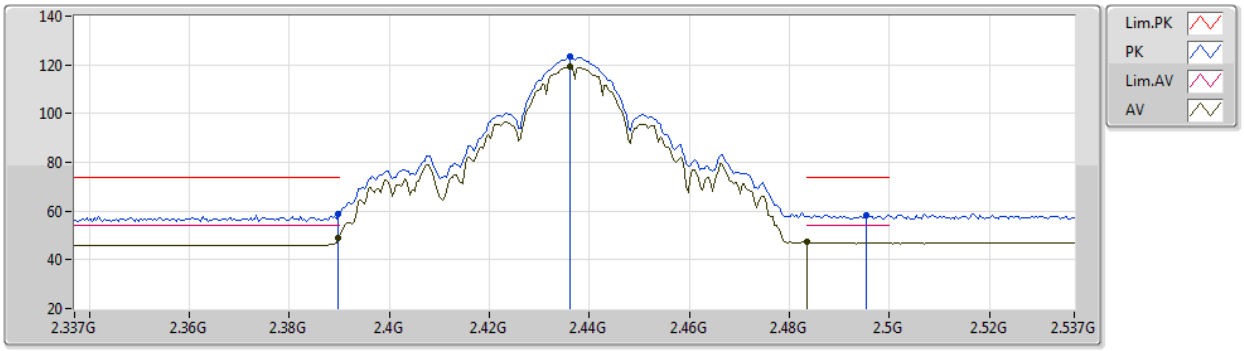
EUT Y_2TX
Setting 109
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	58.01	74.00	-15.99	24.63	3	Horizontal	140	2.01	-	29.39	3.99	-
AV	2.39G	48.62	54.00	-5.38	15.23	3	Horizontal	140	2.01	-	29.39	4.00	-
PK	2.418G	114.48	Inf	-Inf	80.93	3	Horizontal	140	2.01	-	29.54	4.01	-
AV	2.4178G	110.48	Inf	-Inf	76.93	3	Horizontal	140	2.01	-	29.54	4.01	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

31/07/2020



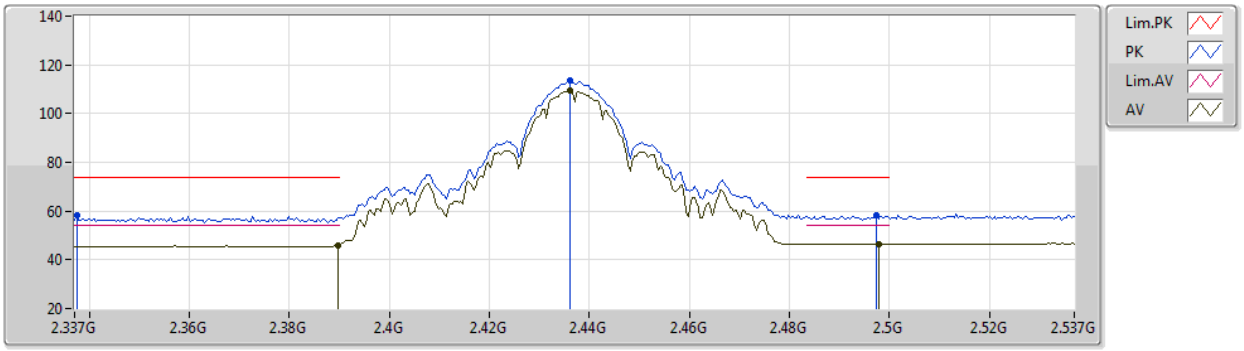
EUT Y_2TX
Setting 120
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	58.70	74.00	-15.30	25.32	3	Vertical	125	1.23	-	29.39	3.99	-
AV	2.3898G	48.87	54.00	-5.13	15.49	3	Vertical	125	1.23	-	29.39	3.99	-
PK	2.4362G	123.25	Inf	-Inf	89.54	3	Vertical	125	1.23	-	29.69	4.02	-
AV	2.4362G	119.39	Inf	-Inf	85.68	3	Vertical	125	1.23	-	29.69	4.02	-
PK	2.4954G	58.46	74.00	-15.54	24.25	3	Vertical	125	1.23	-	30.16	4.05	-
AV	2.4835G	47.23	54.00	-6.77	13.12	3	Vertical	125	1.23	-	30.07	4.04	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

31/07/2020



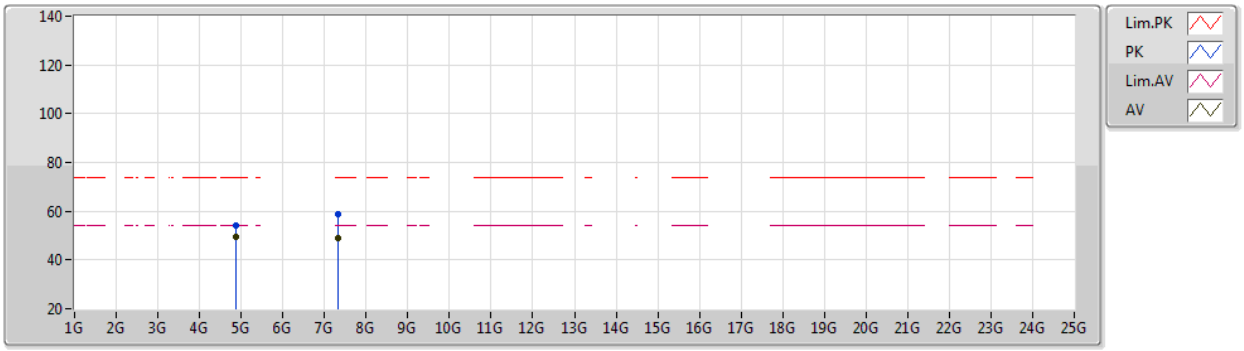
EUT Y_2TX
Setting 120
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3374G	58.05	74.00	-15.95	24.74	3	Horizontal	103	1.18	-	29.34	3.97	-
AV	2.3898G	45.97	54.00	-8.03	12.59	3	Horizontal	103	1.18	-	29.39	3.99	-
PK	2.4362G	113.37	Inf	-Inf	79.66	3	Horizontal	103	1.18	-	29.69	4.02	-
AV	2.4362G	109.55	Inf	-Inf	75.84	3	Horizontal	103	1.18	-	29.69	4.02	-
PK	2.4974G	58.03	74.00	-15.97	23.80	3	Horizontal	103	1.18	-	30.18	4.05	-
AV	2.4978G	46.52	54.00	-7.48	12.29	3	Horizontal	103	1.18	-	30.18	4.05	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

31/07/2020



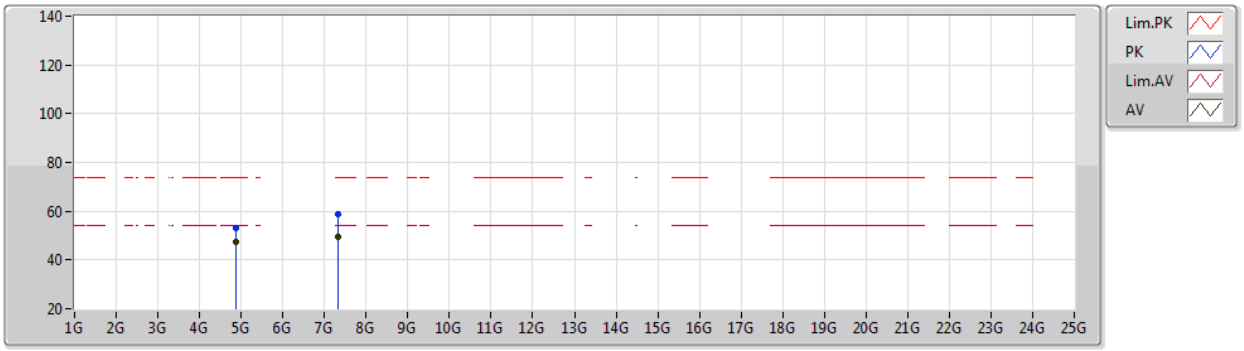
EUT Y_2TX
Setting 120
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87408G	54.18	74.00	-19.82	46.68	3	Vertical	55	1.85	-	33.77	5.40	31.67
AV	4.87402G	49.39	54.00	-4.61	41.89	3	Vertical	55	1.85	-	33.77	5.40	31.67
PK	7.31148G	58.55	74.00	-15.45	45.13	3	Vertical	111	1.95	-	39.62	6.96	33.16
AV	7.31028G	48.75	54.00	-5.25	35.33	3	Vertical	111	1.95	-	39.62	6.96	33.16

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

31/07/2020



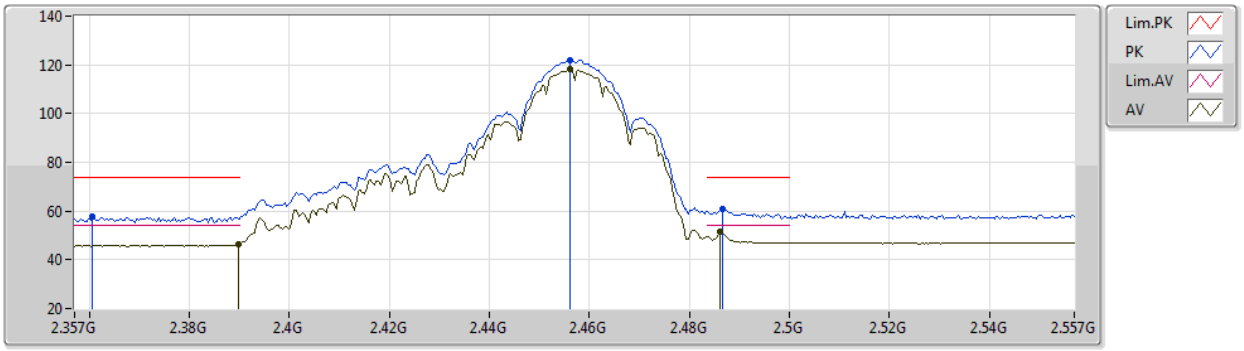
EUT Y_2TX
Setting 120
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87408G	53.30	74.00	-20.70	45.80	3	Horizontal	345	1.78	-	33.77	5.40	31.67
AV	4.874G	47.49	54.00	-6.51	39.99	3	Horizontal	345	1.78	-	33.77	5.40	31.67
PK	7.31274G	58.80	74.00	-15.20	45.38	3	Horizontal	61	1.81	-	39.63	6.96	33.17
AV	7.31028G	49.30	54.00	-4.70	35.88	3	Horizontal	61	1.81	-	39.62	6.96	33.16

802.11b_Nss1,(1Mbps)_2TX

2457MHz_TX

31/07/2020



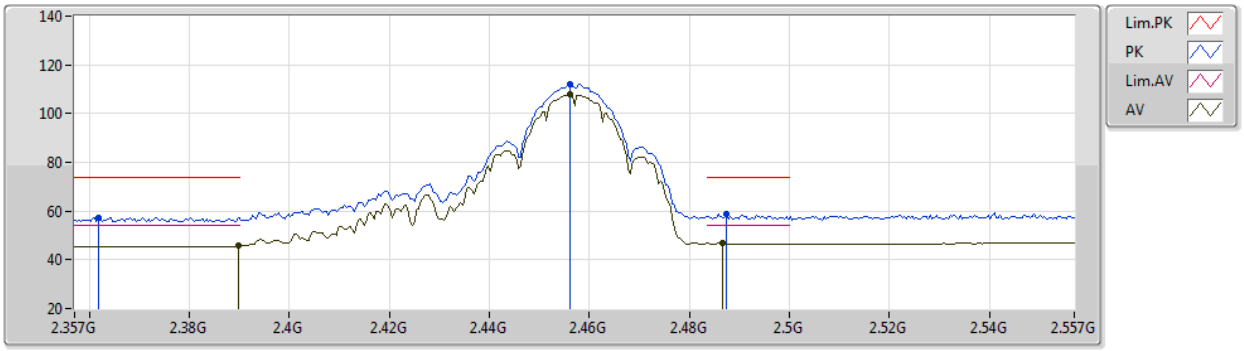
EUT Y_2TX
Setting 120
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3606G	57.67	74.00	-16.33	24.33	3	Vertical	192	1.21	-	29.36	3.98	-
AV	2.3898G	46.55	54.00	-7.45	13.17	3	Vertical	192	1.21	-	29.39	3.99	-
PK	2.4562G	122.03	Inf	-Inf	88.15	3	Vertical	192	1.21	-	29.85	4.03	-
AV	2.4562G	118.14	Inf	-Inf	84.26	3	Vertical	192	1.21	-	29.85	4.03	-
PK	2.4866G	60.77	74.00	-13.23	26.64	3	Vertical	192	1.21	-	30.09	4.04	-
AV	2.4862G	51.51	54.00	-2.49	17.38	3	Vertical	192	1.21	-	30.09	4.04	-

802.11b_Nss1,(1Mbps)_2TX

2457MHz_TX

31/07/2020



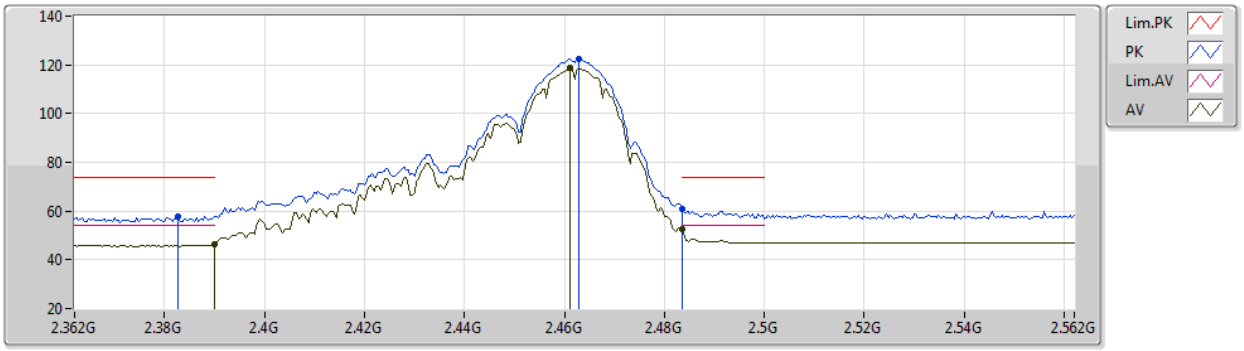
EUT Y_2TX
Setting 120
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3618G	57.49	74.00	-16.51	24.15	3	Horizontal	336	2.91	-	29.36	3.98	-
AV	2.3898G	45.63	54.00	-8.37	12.25	3	Horizontal	336	2.91	-	29.39	3.99	-
PK	2.4562G	111.87	Inf	-Inf	77.99	3	Horizontal	336	2.91	-	29.85	4.03	-
AV	2.4562G	107.97	Inf	-Inf	74.09	3	Horizontal	336	2.91	-	29.85	4.03	-
PK	2.4874G	59.03	74.00	-14.97	24.89	3	Horizontal	336	2.91	-	30.10	4.04	-
AV	2.4866G	47.04	54.00	-6.96	12.91	3	Horizontal	336	2.91	-	30.09	4.04	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

31/07/2020



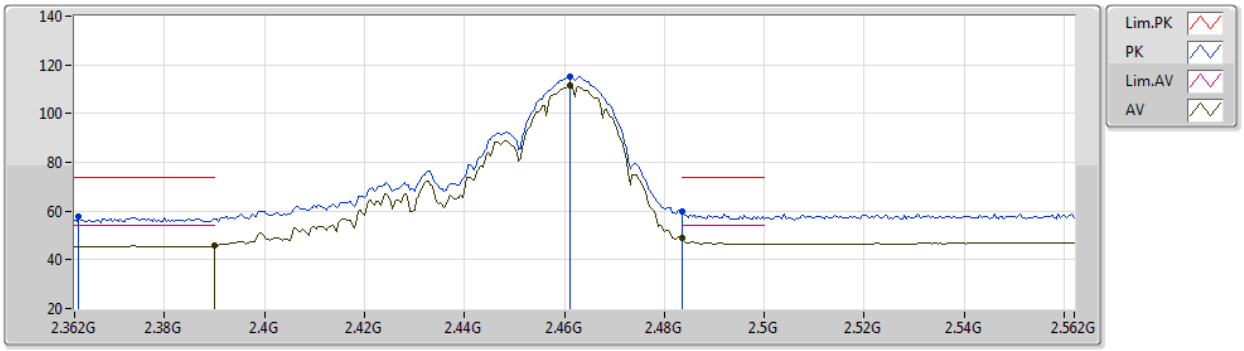
EUT Y_2TX
Setting 120
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3828G	57.96	74.00	-16.04	24.59	3	Vertical	133	1.98	-	29.38	3.99	-
AV	2.39G	46.53	54.00	-7.47	13.14	3	Vertical	133	1.98	-	29.39	4.00	-
PK	2.4628G	122.63	Inf	-Inf	88.70	3	Vertical	133	1.98	-	29.90	4.03	-
AV	2.4612G	118.55	Inf	-Inf	84.63	3	Vertical	133	1.98	-	29.89	4.03	-
PK	2.4835G	60.80	74.00	-13.20	26.69	3	Vertical	133	1.98	-	30.07	4.04	-
AV	2.4835G	52.54	54.00	-1.46	18.43	3	Vertical	133	1.98	-	30.07	4.04	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

31/07/2020



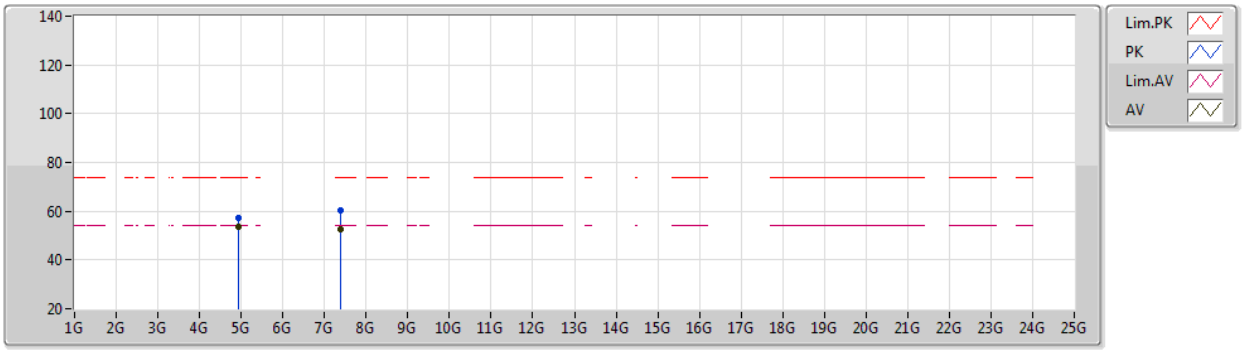
EUT Y_2TX
Setting 120
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3628G	57.56	74.00	-16.44	24.22	3	Horizontal	41	1.24	-	29.36	3.98	-
AV	2.39G	45.78	54.00	-8.22	12.39	3	Horizontal	41	1.24	-	29.39	4.00	-
PK	2.4612G	115.36	Inf	-Inf	81.44	3	Horizontal	41	1.24	-	29.89	4.03	-
AV	2.4612G	111.39	Inf	-Inf	77.47	3	Horizontal	41	1.24	-	29.89	4.03	-
PK	2.4835G	59.76	74.00	-14.24	25.65	3	Horizontal	41	1.24	-	30.07	4.04	-
AV	2.4835G	49.20	54.00	-4.80	15.09	3	Horizontal	41	1.24	-	30.07	4.04	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

31/07/2020



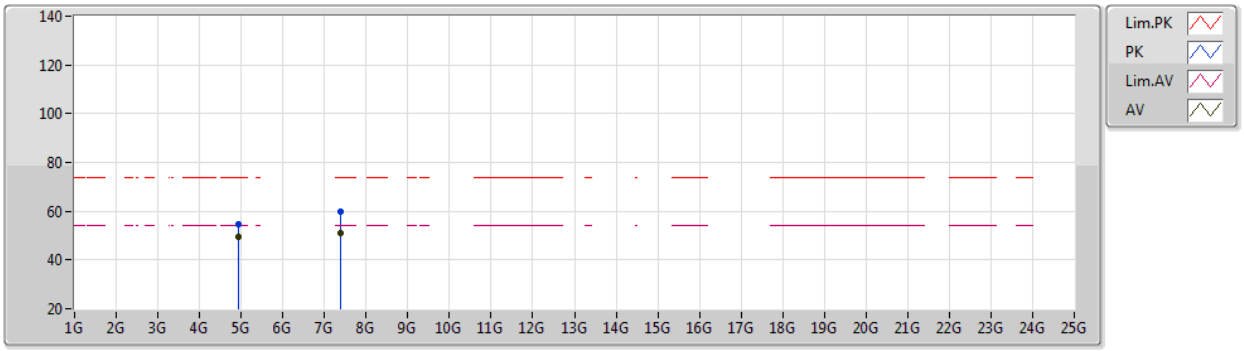
EUT Y_2TX
Setting 120
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92405G	57.49	74.00	-16.51	49.70	3	Vertical	323	2.69	-	33.92	5.48	31.61
AV	4.92401G	53.77	54.00	-0.23	45.98	3	Vertical	323	2.69	-	33.92	5.48	31.61
PK	7.38516G	60.58	74.00	-13.42	47.01	3	Vertical	121	2.87	-	39.77	6.99	33.19
AV	7.38528G	52.72	54.00	-1.28	39.15	3	Vertical	121	2.87	-	39.77	6.99	33.19

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

31/07/2020



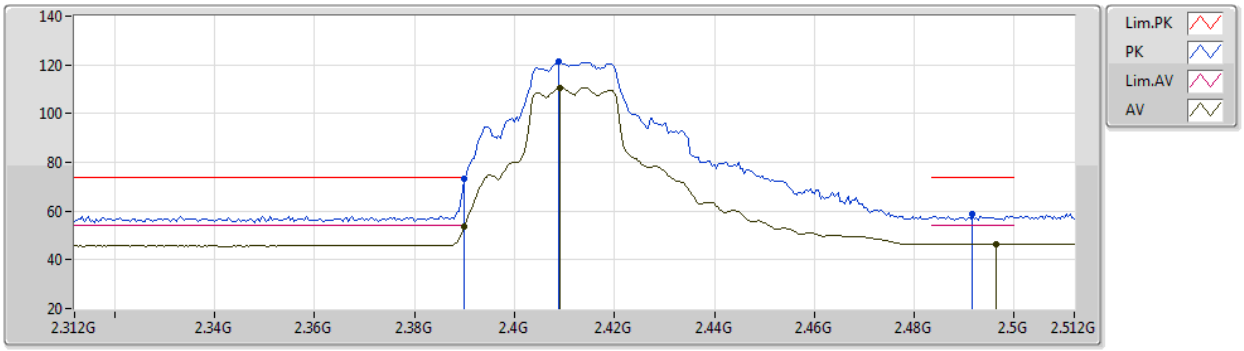
EUT Y_2TX
Setting 120
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92408G	54.65	74.00	-19.35	46.86	3	Horizontal	347	1.52	-	33.92	5.48	31.61
AV	4.924G	49.68	54.00	-4.32	41.89	3	Horizontal	347	1.52	-	33.92	5.48	31.61
PK	7.38576G	59.87	74.00	-14.13	46.30	3	Horizontal	61	1.61	-	39.77	6.99	33.19
AV	7.38528G	50.83	54.00	-3.17	37.26	3	Horizontal	61	1.61	-	39.77	6.99	33.19

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

31/07/2020



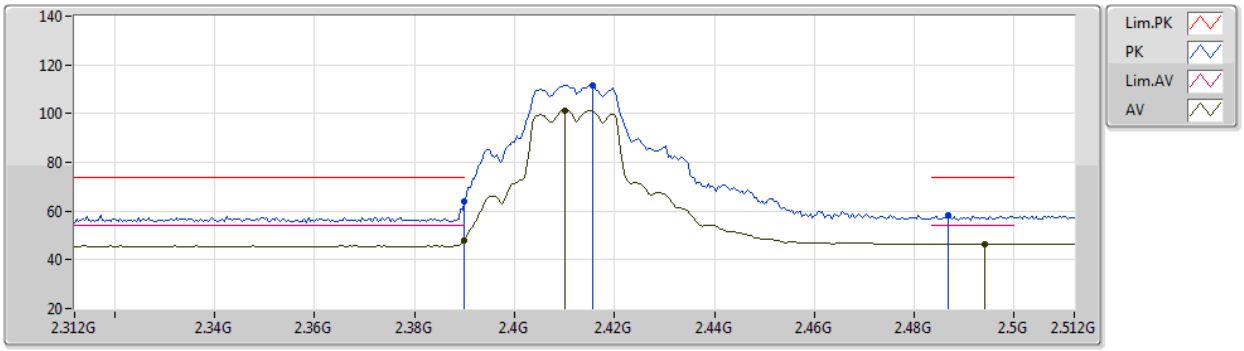
EUT Y_2TX
Setting 100
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	73.22	74.00	-0.78	39.83	3	Vertical	175	1.80	-	29.39	4.00	-
AV	2.39G	53.54	54.00	-0.46	20.15	3	Vertical	175	1.80	-	29.39	4.00	-
PK	2.4088G	121.31	Inf	-Inf	87.84	3	Vertical	175	1.80	-	29.47	4.00	-
AV	2.4092G	110.56	Inf	-Inf	77.09	3	Vertical	175	1.80	-	29.47	4.00	-
PK	2.4916G	58.61	74.00	-15.39	24.43	3	Vertical	175	1.80	-	30.13	4.05	-
AV	2.4964G	46.56	54.00	-7.44	12.34	3	Vertical	175	1.80	-	30.17	4.05	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

31/07/2020



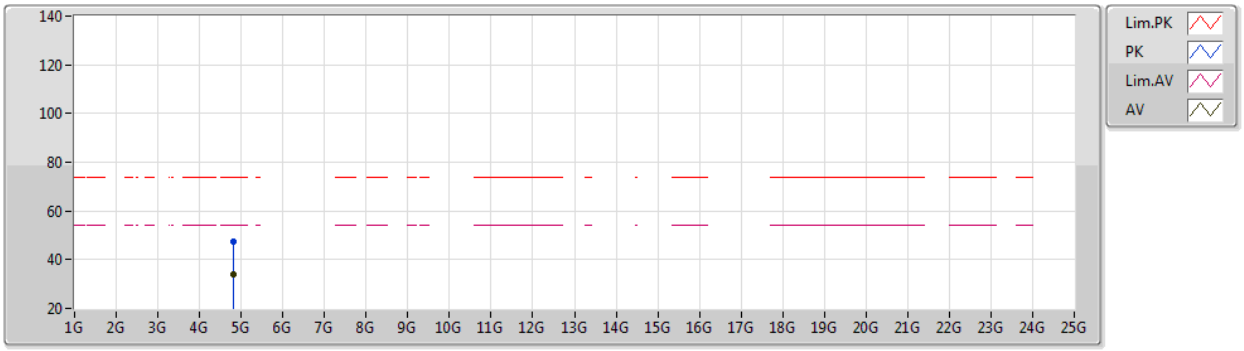
EUT Y_2TX
Setting 100
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	63.94	74.00	-10.06	30.55	3	Horizontal	139	2.27	-	29.39	4.00	-
AV	2.39G	48.16	54.00	-5.84	14.77	3	Horizontal	139	2.27	-	29.39	4.00	-
PK	2.4156G	111.77	Inf	-Inf	78.24	3	Horizontal	139	2.27	-	29.52	4.01	-
AV	2.41G	101.36	Inf	-Inf	67.88	3	Horizontal	139	2.27	-	29.48	4.00	-
PK	2.4868G	58.42	74.00	-15.58	24.29	3	Horizontal	139	2.27	-	30.09	4.04	-
AV	2.494G	46.48	54.00	-7.52	12.28	3	Horizontal	139	2.27	-	30.15	4.05	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

31/07/2020



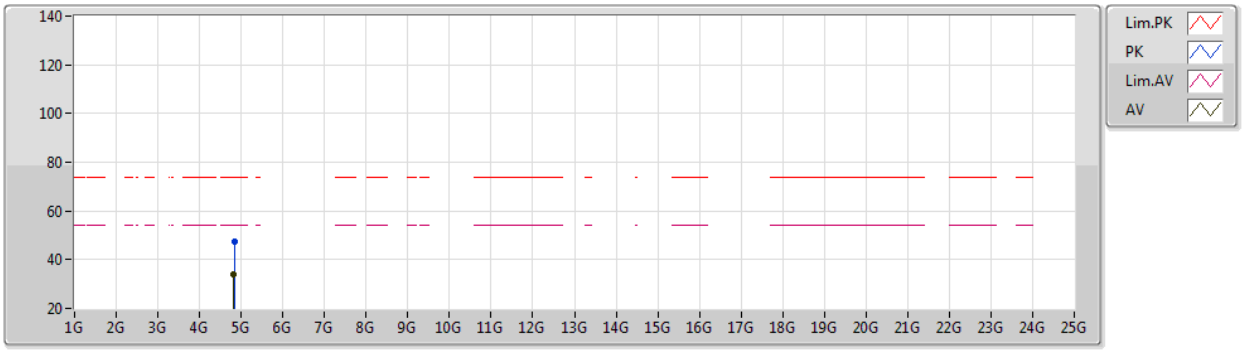
EUT Y_2TX
Setting 100
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82562G	47.33	74.00	-26.67	40.19	3	Vertical	112	2.79	-	33.53	5.34	31.73
AV	4.8282G	33.94	54.00	-20.06	26.79	3	Vertical	112	2.79	-	33.54	5.34	31.73

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

31/07/2020



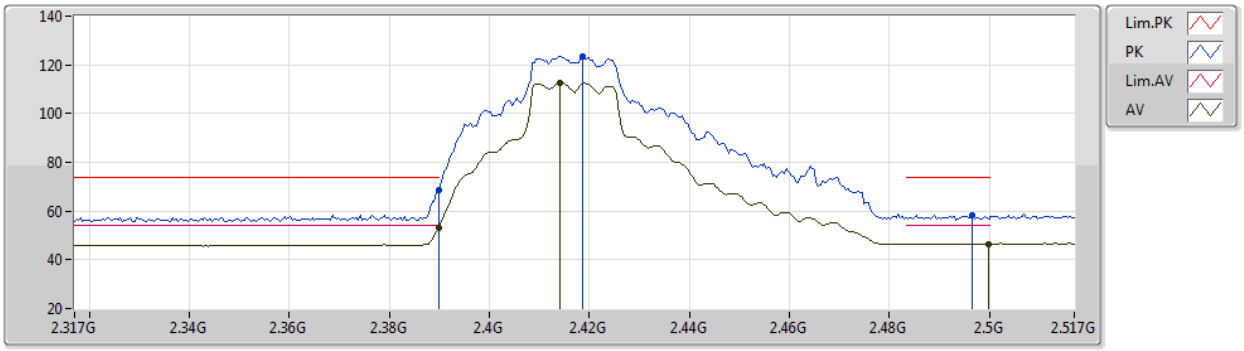
EUT Y_2TX
Setting 100
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.83132G	47.37	74.00	-26.63	40.19	3	Horizontal	316	2.63	-	33.56	5.34	31.72
AV	4.82754G	33.92	54.00	-20.08	26.77	3	Horizontal	316	2.63	-	33.54	5.34	31.73

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

31/07/2020



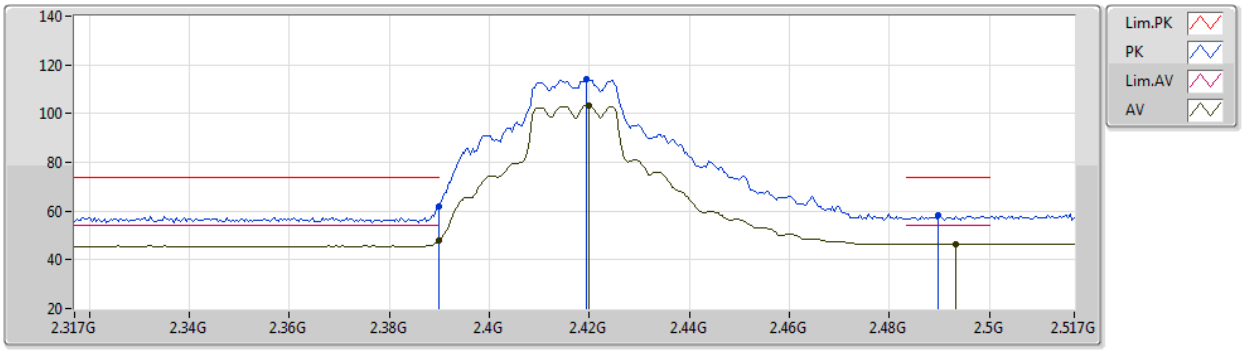
EUT Y_2TX
Setting 108
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	68.48	74.00	-5.52	35.10	3	Vertical	184	1.66	-	29.39	3.99	-
AV	2.3898G	52.91	54.00	-1.09	19.53	3	Vertical	184	1.66	-	29.39	3.99	-
PK	2.4186G	123.48	Inf	-Inf	89.92	3	Vertical	184	1.66	-	29.55	4.01	-
AV	2.4142G	112.60	Inf	-Inf	79.08	3	Vertical	184	1.66	-	29.51	4.01	-
PK	2.4966G	58.21	74.00	-15.79	23.99	3	Vertical	184	1.66	-	30.17	4.05	-
AV	2.4998G	46.59	54.00	-7.41	12.34	3	Vertical	184	1.66	-	30.20	4.05	-

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

31/07/2020



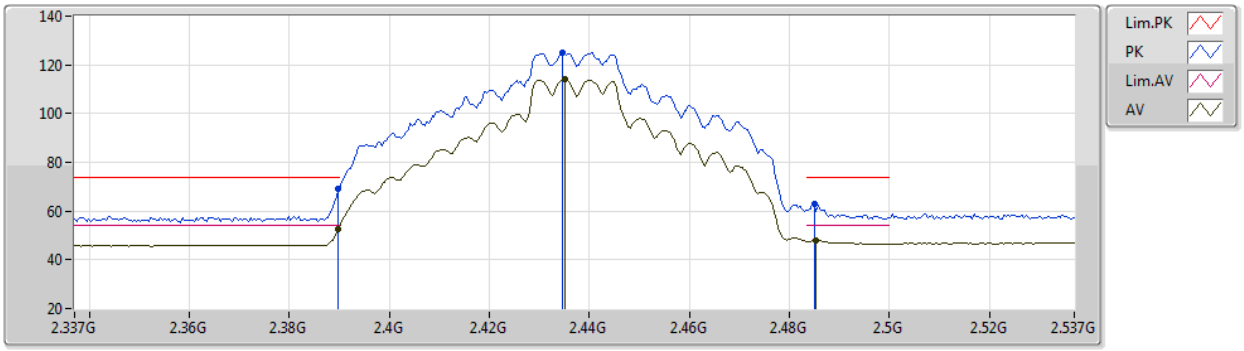
EUT Y_2TX
Setting 108
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	61.67	74.00	-12.33	28.29	3	Horizontal	139	2.02	-	29.39	3.99	-
AV	2.3898G	47.73	54.00	-6.27	14.35	3	Horizontal	139	2.02	-	29.39	3.99	-
PK	2.4194G	113.92	Inf	-Inf	80.35	3	Horizontal	139	2.02	-	29.56	4.01	-
AV	2.4198G	103.46	Inf	-Inf	69.89	3	Horizontal	139	2.02	-	29.56	4.01	-
PK	2.4898G	58.05	74.00	-15.95	23.89	3	Horizontal	139	2.02	-	30.12	4.04	-
AV	2.4934G	46.47	54.00	-7.53	12.27	3	Horizontal	139	2.02	-	30.15	4.05	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

31/07/2020



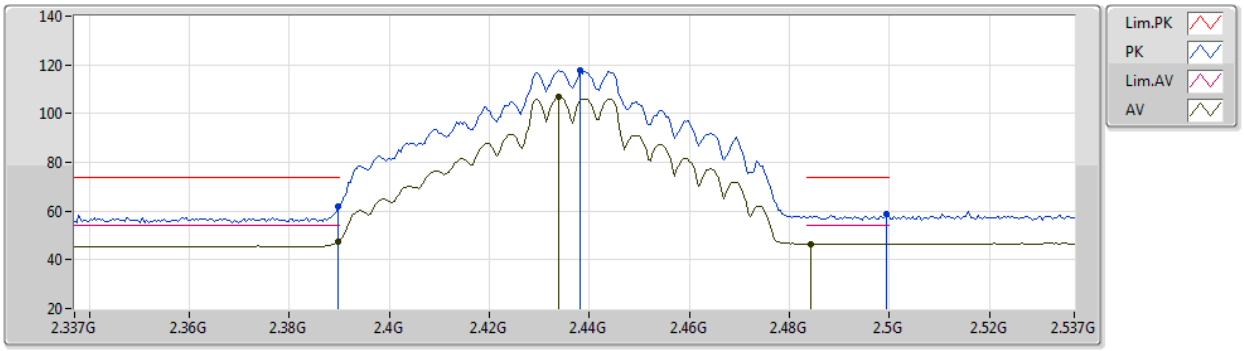
EUT Y_2TX
Setting 120
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	68.91	74.00	-5.09	35.53	3	Vertical	128	1.80	-	29.39	3.99	-
AV	2.3898G	52.75	54.00	-1.25	19.37	3	Vertical	128	1.80	-	29.39	3.99	-
PK	2.4346G	125.04	Inf	-Inf	91.34	3	Vertical	128	1.80	-	29.68	4.02	-
AV	2.435G	113.93	Inf	-Inf	80.23	3	Vertical	128	1.80	-	29.68	4.02	-
PK	2.485G	63.02	74.00	-10.98	28.90	3	Vertical	128	1.80	-	30.08	4.04	-
AV	2.4854G	47.93	54.00	-6.07	13.81	3	Vertical	128	1.80	-	30.08	4.04	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

31/07/2020



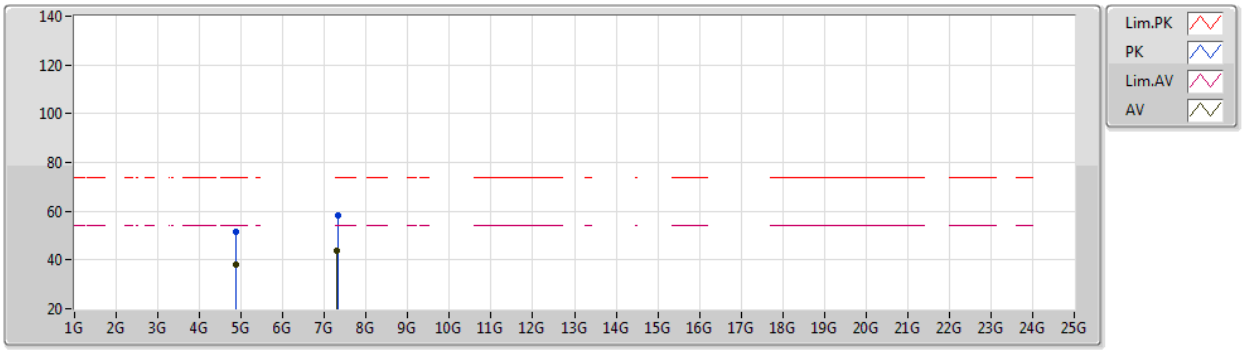
EUT Y_2TX
Setting 120
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	61.94	74.00	-12.06	28.56	3	Horizontal	40	1.23	-	29.39	3.99	-
AV	2.3898G	47.50	54.00	-6.50	14.12	3	Horizontal	40	1.23	-	29.39	3.99	-
PK	2.4382G	117.57	Inf	-Inf	83.84	3	Horizontal	40	1.23	-	29.71	4.02	-
AV	2.4338G	106.67	Inf	-Inf	72.98	3	Horizontal	40	1.23	-	29.67	4.02	-
PK	2.4994G	58.74	74.00	-15.26	24.49	3	Horizontal	40	1.23	-	30.20	4.05	-
AV	2.4842G	46.62	54.00	-7.38	12.51	3	Horizontal	40	1.23	-	30.07	4.04	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

31/07/2020



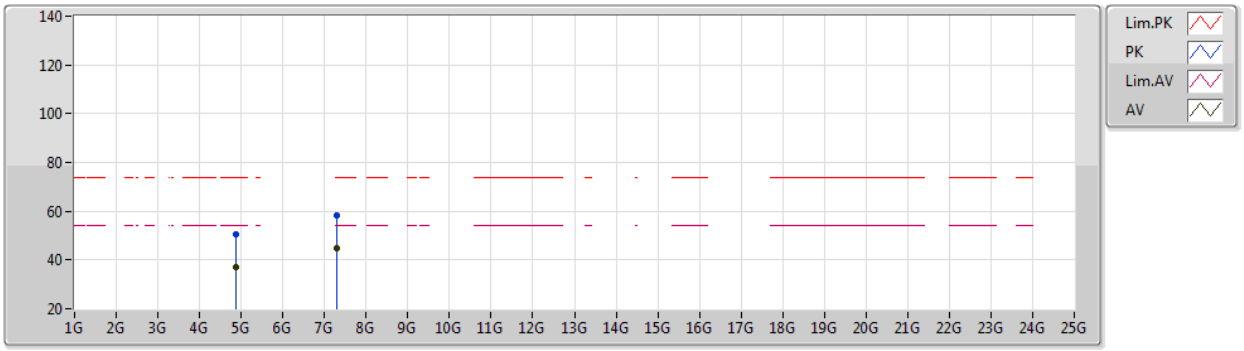
EUT Y_2TX
Setting 120
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87658G	51.61	74.00	-22.39	44.09	3	Vertical	77	1.85	-	33.78	5.41	31.67
AV	4.87622G	38.14	54.00	-15.86	30.62	3	Vertical	77	1.85	-	33.78	5.41	31.67
PK	7.31508G	58.38	74.00	-15.62	44.96	3	Vertical	132	2.94	-	39.63	6.96	33.17
AV	7.30992G	43.56	54.00	-10.44	30.15	3	Vertical	132	2.94	-	39.62	6.95	33.16

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

31/07/2020



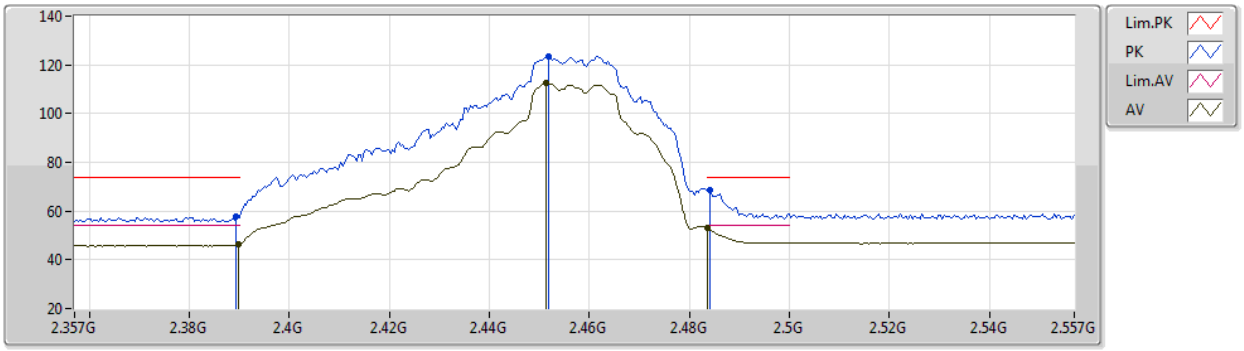
EUT Y_2TX
Setting 120
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87538G	50.43	74.00	-23.57	42.91	3	Horizontal	336	2.03	-	33.78	5.41	31.67
AV	4.87532G	37.01	54.00	-16.99	29.49	3	Horizontal	336	2.03	-	33.78	5.41	31.67
PK	7.30794G	58.35	74.00	-15.65	44.94	3	Horizontal	120	3.00	-	39.62	6.95	33.16
AV	7.30932G	44.59	54.00	-9.41	31.18	3	Horizontal	120	3.00	-	39.62	6.95	33.16

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

31/07/2020



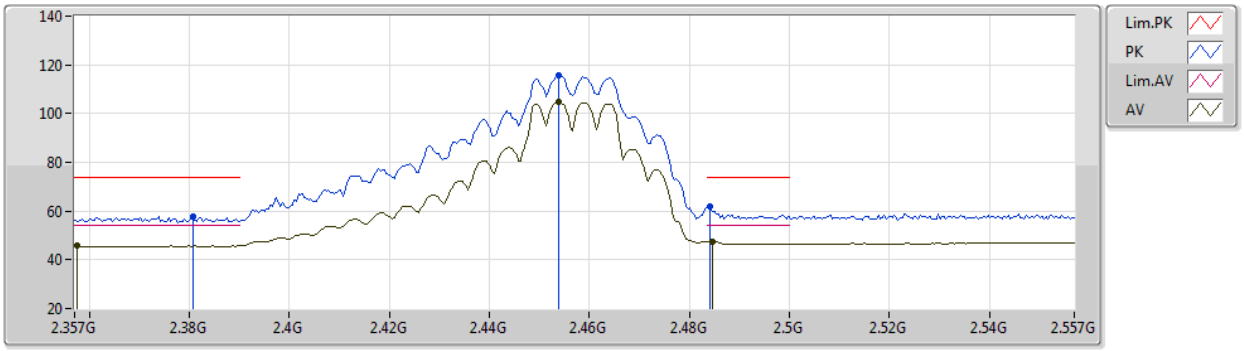
EUT Y_2TX
Setting 111
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3894G	57.89	74.00	-16.11	24.51	3	Vertical	191	1.25	-	29.39	3.99	-
AV	2.3898G	46.21	54.00	-7.79	12.83	3	Vertical	191	1.25	-	29.39	3.99	-
PK	2.4518G	123.64	Inf	-Inf	89.80	3	Vertical	191	1.25	-	29.81	4.03	-
AV	2.4514G	112.49	Inf	-Inf	78.65	3	Vertical	191	1.25	-	29.81	4.03	-
PK	2.4842G	68.78	74.00	-5.22	34.67	3	Vertical	191	1.25	-	30.07	4.04	-
AV	2.4835G	53.09	54.00	-0.91	18.98	3	Vertical	191	1.25	-	30.07	4.04	-

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

31/07/2020



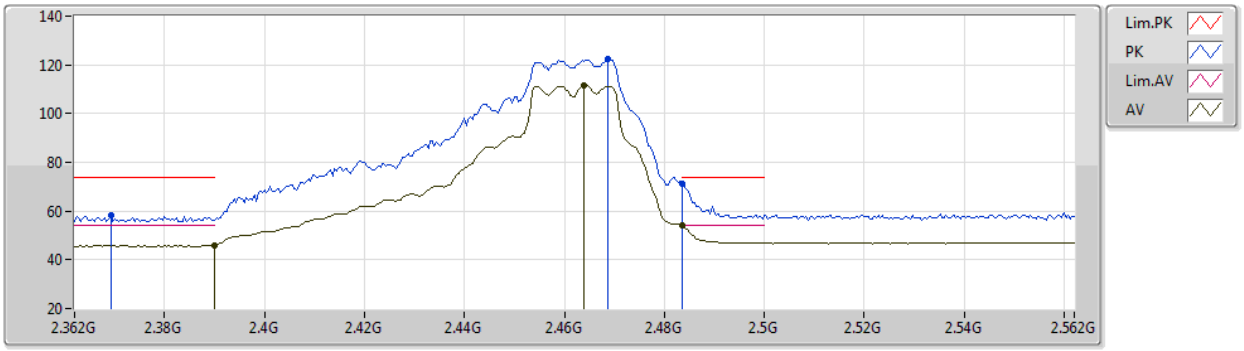
EUT Y_2TX
Setting 111
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3806G	57.63	74.00	-16.37	24.26	3	Horizontal	48	1.04	-	29.38	3.99	-
AV	2.3574G	45.62	54.00	-8.38	12.28	3	Horizontal	48	1.04	-	29.36	3.98	-
PK	2.4538G	115.72	Inf	-Inf	81.86	3	Horizontal	48	1.04	-	29.83	4.03	-
AV	2.4538G	105.03	Inf	-Inf	71.17	3	Horizontal	48	1.04	-	29.83	4.03	-
PK	2.4842G	61.70	74.00	-12.30	27.59	3	Horizontal	48	1.04	-	30.07	4.04	-
AV	2.4846G	47.46	54.00	-6.54	13.34	3	Horizontal	48	1.04	-	30.08	4.04	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

31/07/2020



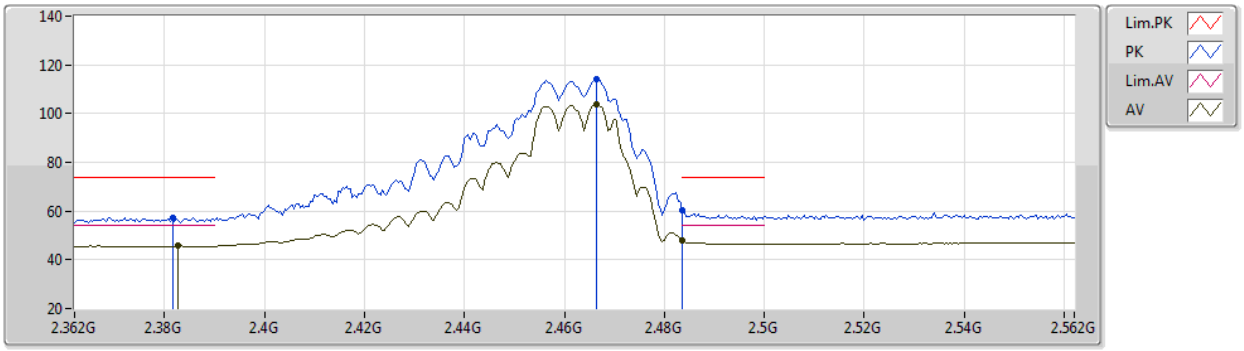
EUT Y_2TX
Setting 107
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3692G	58.43	74.00	-15.57	25.08	3	Vertical	187	1.00	-	29.37	3.98	-
AV	2.39G	45.92	54.00	-8.08	12.53	3	Vertical	187	1.00	-	29.39	4.00	-
PK	2.4688G	122.23	Inf	-Inf	88.25	3	Vertical	187	1.00	-	29.95	4.03	-
AV	2.464G	111.53	Inf	-Inf	77.59	3	Vertical	187	1.00	-	29.91	4.03	-
PK	2.4835G	71.43	74.00	-2.57	37.32	3	Vertical	187	1.00	-	30.07	4.04	-
AV	2.4835G	53.96	54.00	-0.04	19.85	3	Vertical	187	1.00	-	30.07	4.04	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

31/07/2020



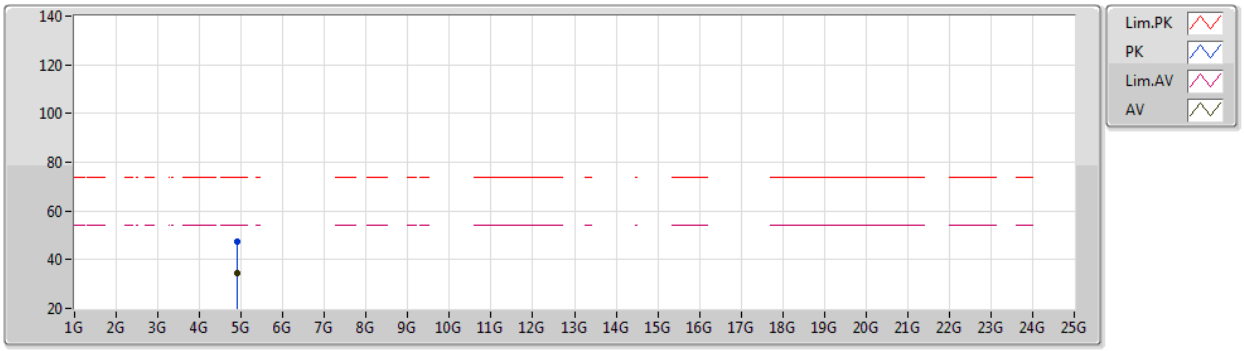
EUT Y_2TX
Setting 107
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3816G	57.29	74.00	-16.71	23.92	3	Horizontal	39	1.11	-	29.38	3.99	-
AV	2.3828G	45.67	54.00	-8.33	12.30	3	Horizontal	39	1.11	-	29.38	3.99	-
PK	2.4664G	114.27	Inf	-Inf	80.31	3	Horizontal	39	1.11	-	29.93	4.03	-
AV	2.4664G	103.76	Inf	-Inf	69.80	3	Horizontal	39	1.11	-	29.93	4.03	-
PK	2.4835G	60.33	74.00	-13.67	26.22	3	Horizontal	39	1.11	-	30.07	4.04	-
AV	2.4835G	47.86	54.00	-6.14	13.75	3	Horizontal	39	1.11	-	30.07	4.04	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

31/07/2020



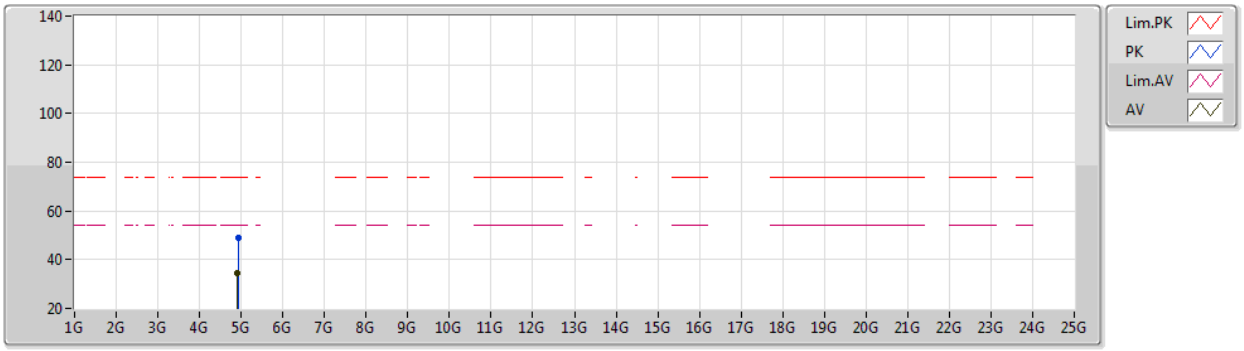
EUT Y_2TX
Setting 107
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.9132G	47.66	74.00	-26.34	39.92	3	Vertical	118	1.58	-	33.91	5.46	31.63
AV	4.9099G	34.58	54.00	-19.42	26.84	3	Vertical	118	1.58	-	33.91	5.46	31.63

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

31/07/2020



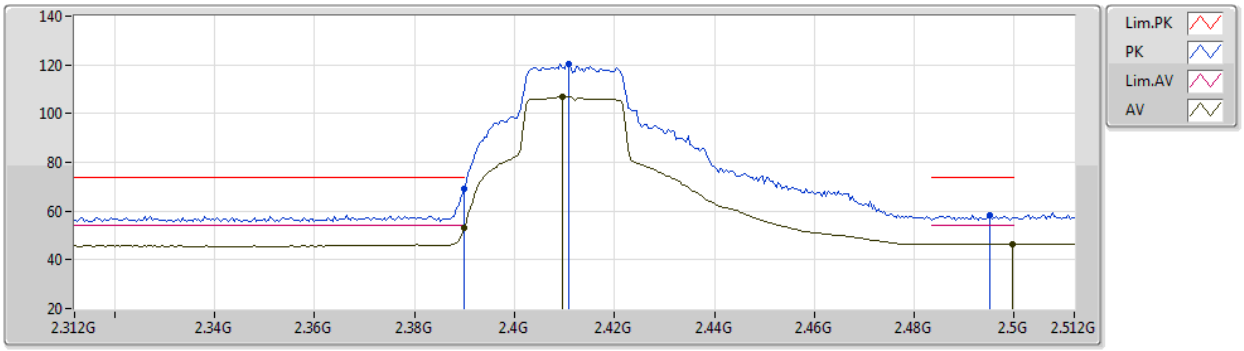
EUT Y_2TX
Setting 107
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.93054G	48.80	74.00	-25.20	40.99	3	Horizontal	134	2.75	-	33.93	5.49	31.61
AV	4.90996G	34.48	54.00	-19.52	26.74	3	Horizontal	134	2.75	-	33.91	5.46	31.63

802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

31/07/2020



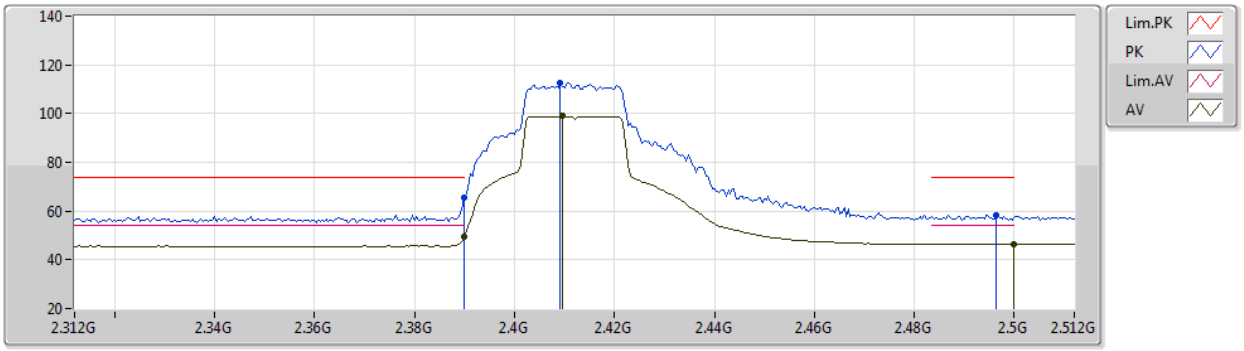
EUT Y_2TX
Setting 101
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	69.13	74.00	-4.87	35.74	3	Vertical	7	1.47	-	29.39	4.00	-
AV	2.39G	53.27	54.00	-0.73	19.88	3	Vertical	7	1.47	-	29.39	4.00	-
PK	2.4108G	120.33	Inf	-Inf	86.83	3	Vertical	7	1.47	-	29.49	4.01	-
AV	2.4096G	106.74	Inf	-Inf	73.26	3	Vertical	7	1.47	-	29.48	4.00	-
PK	2.4952G	58.39	74.00	-15.61	24.18	3	Vertical	7	1.47	-	30.16	4.05	-
AV	2.4996G	46.52	54.00	-7.48	12.27	3	Vertical	7	1.47	-	30.20	4.05	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

31/07/2020



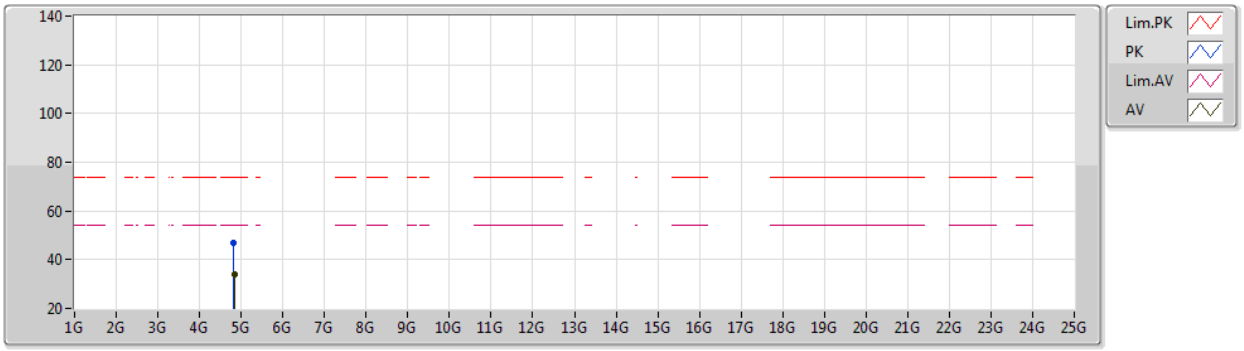
EUT Y_2TX
Setting 101
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	65.52	74.00	-8.48	32.13	3	Horizontal	108	2.73	-	29.39	4.00	-
AV	2.39G	49.30	54.00	-4.70	15.91	3	Horizontal	108	2.73	-	29.39	4.00	-
PK	2.4092G	112.48	Inf	-Inf	79.01	3	Horizontal	108	2.73	-	29.47	4.00	-
AV	2.4096G	98.91	Inf	-Inf	65.43	3	Horizontal	108	2.73	-	29.48	4.00	-
PK	2.4964G	58.35	74.00	-15.65	24.13	3	Horizontal	108	2.73	-	30.17	4.05	-
AV	2.5G	46.52	54.00	-7.48	12.27	3	Horizontal	108	2.73	-	30.20	4.05	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

31/07/2020



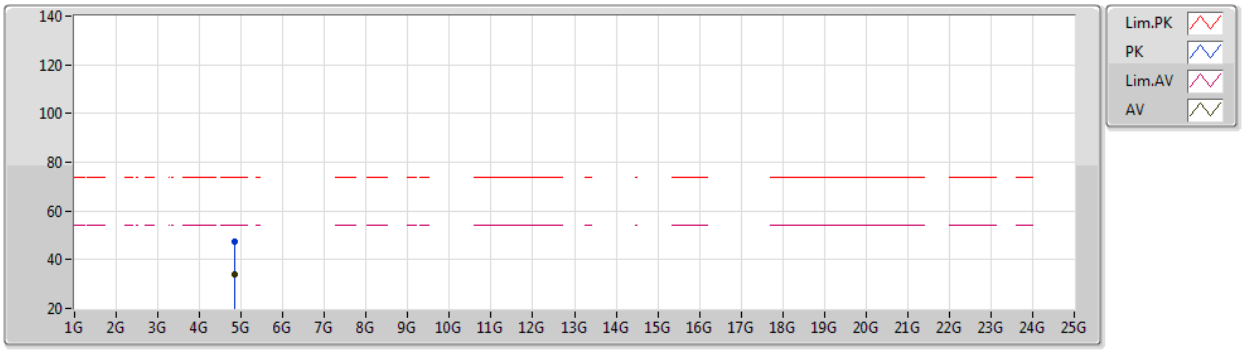
EUT Y_2TX
Setting 101
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82382G	46.83	74.00	-27.17	39.71	3	Vertical	131	1.28	-	33.52	5.33	31.73
AV	4.8285G	34.14	54.00	-19.86	26.99	3	Vertical	131	1.28	-	33.54	5.34	31.73

802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

31/07/2020



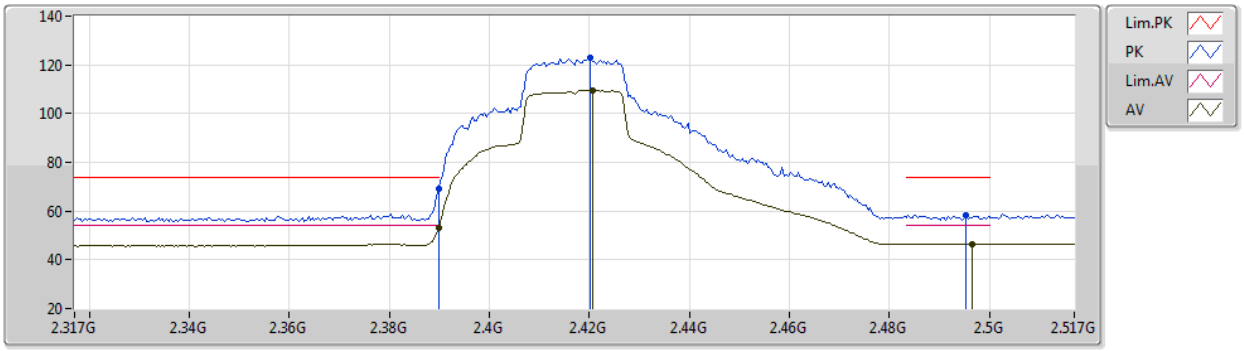
EUT Y_2TX
Setting 101
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.83708G	47.22	74.00	-26.78	40.00	3	Horizontal	147	2.41	-	33.59	5.35	31.72
AV	4.82994G	34.06	54.00	-19.94	26.89	3	Horizontal	147	2.41	-	33.55	5.34	31.72

802.11ax HEW20_Nss1,(MCS0)_2TX

2417MHz_TX

31/07/2020



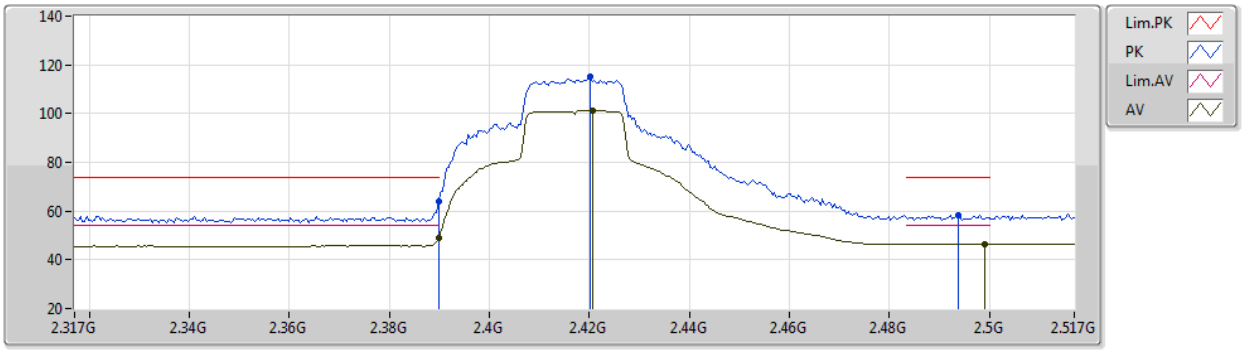
EUT Y_2TX
Setting 109
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	69.11	74.00	-4.89	35.73	3	Vertical	11	2.08	-	29.39	3.99	-
AV	2.3898G	52.89	54.00	-1.11	19.51	3	Vertical	11	2.08	-	29.39	3.99	-
PK	2.4202G	123.00	Inf	-Inf	89.43	3	Vertical	11	2.08	-	29.56	4.01	-
AV	2.4206G	109.44	Inf	-Inf	75.87	3	Vertical	11	2.08	-	29.56	4.01	-
PK	2.4954G	58.11	74.00	-15.89	23.90	3	Vertical	11	2.08	-	30.16	4.05	-
AV	2.4966G	46.57	54.00	-7.43	12.35	3	Vertical	11	2.08	-	30.17	4.05	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2417MHz_TX

31/07/2020



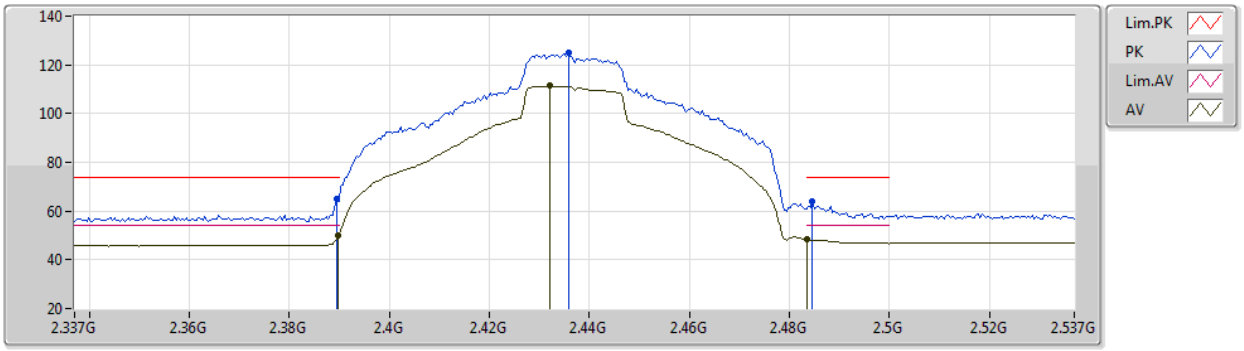
EUT Y_2TX
Setting 109
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	63.96	74.00	-10.04	30.58	3	Horizontal	110	2.73	-	29.39	3.99	-
AV	2.3898G	48.84	54.00	-5.16	15.46	3	Horizontal	110	2.73	-	29.39	3.99	-
PK	2.4202G	114.98	Inf	-Inf	81.41	3	Horizontal	110	2.73	-	29.56	4.01	-
AV	2.4206G	101.35	Inf	-Inf	67.78	3	Horizontal	110	2.73	-	29.56	4.01	-
PK	2.4938G	58.37	74.00	-15.63	24.17	3	Horizontal	110	2.73	-	30.15	4.05	-
AV	2.499G	46.51	54.00	-7.49	12.27	3	Horizontal	110	2.73	-	30.19	4.05	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

31/07/2020



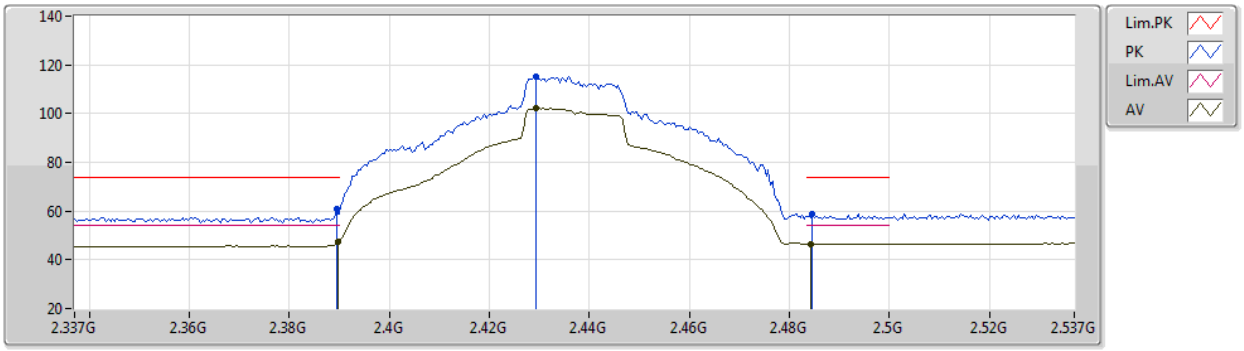
EUT Y_2TX
Setting 120
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3894G	64.98	74.00	-9.02	31.60	3	Vertical	6	2.27	-	29.39	3.99	-
AV	2.3898G	50.01	54.00	-3.99	16.63	3	Vertical	6	2.27	-	29.39	3.99	-
PK	2.4358G	124.75	Inf	-Inf	91.04	3	Vertical	6	2.27	-	29.69	4.02	-
AV	2.4322G	111.36	Inf	-Inf	77.68	3	Vertical	6	2.27	-	29.66	4.02	-
PK	2.4846G	63.93	74.00	-10.07	29.81	3	Vertical	6	2.27	-	30.08	4.04	-
AV	2.4835G	48.25	54.00	-5.75	14.14	3	Vertical	6	2.27	-	30.07	4.04	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

31/07/2020



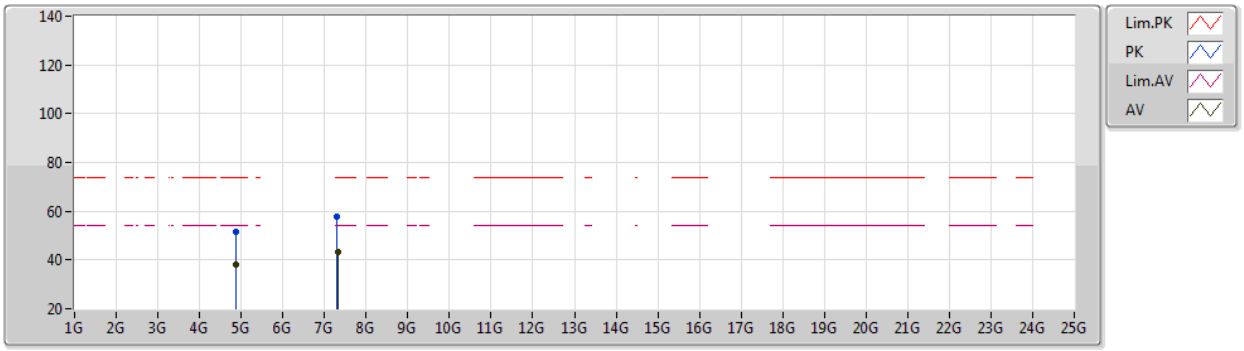
EUT Y_2TX
Setting 120
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3894G	60.69	74.00	-13.31	27.31	3	Horizontal	113	2.72	-	29.39	3.99	-
AV	2.3898G	47.18	54.00	-6.82	13.80	3	Horizontal	113	2.72	-	29.39	3.99	-
PK	2.4294G	115.36	Inf	-Inf	81.71	3	Horizontal	113	2.72	-	29.64	4.01	-
AV	2.4294G	102.10	Inf	-Inf	68.45	3	Horizontal	113	2.72	-	29.64	4.01	-
PK	2.4846G	58.77	74.00	-15.23	24.65	3	Horizontal	113	2.72	-	30.08	4.04	-
AV	2.4842G	46.59	54.00	-7.41	12.48	3	Horizontal	113	2.72	-	30.07	4.04	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

31/07/2020



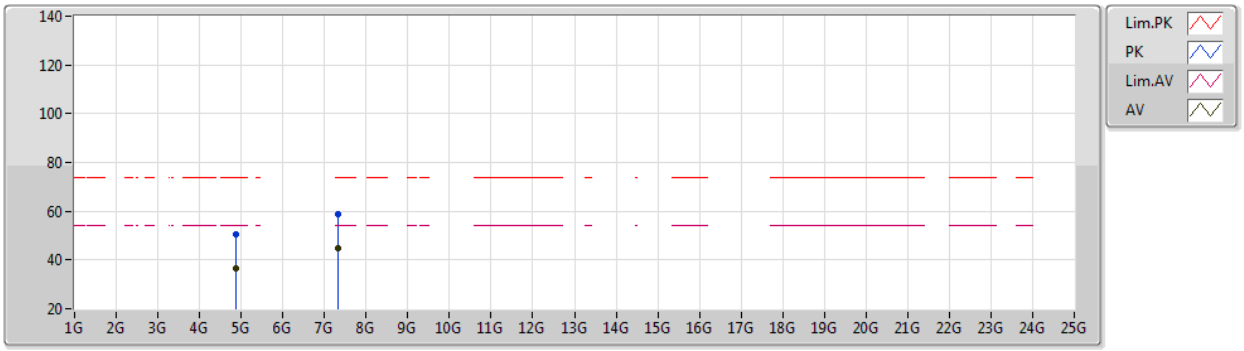
EUT Y_2TX
Setting 120
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87502G	51.46	74.00	-22.54	43.94	3	Vertical	75	1.67	-	33.78	5.41	31.67
AV	4.87502G	38.27	54.00	-15.73	30.75	3	Vertical	75	1.67	-	33.78	5.41	31.67
PK	7.3059G	57.56	74.00	-16.44	44.16	3	Vertical	121	2.94	-	39.61	6.95	33.16
AV	7.31046G	43.48	54.00	-10.52	30.06	3	Vertical	121	2.94	-	39.62	6.96	33.16

802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

31/07/2020



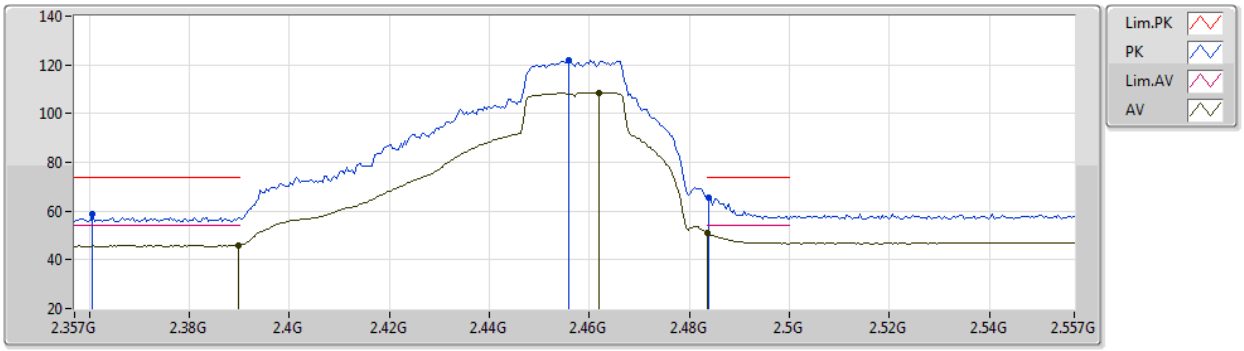
EUT Y_2TX
Setting 120
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.88144G	50.75	74.00	-23.25	43.19	3	Horizontal	339	1.95	-	33.81	5.41	31.66
AV	4.8746G	36.80	54.00	-17.20	29.30	3	Horizontal	339	1.95	-	33.77	5.40	31.67
PK	7.31214G	58.62	74.00	-15.38	45.20	3	Horizontal	113	3.00	-	39.62	6.96	33.16
AV	7.3104G	44.76	54.00	-9.24	31.34	3	Horizontal	113	3.00	-	39.62	6.96	33.16

802.11ax HEW20_Nss1,(MCS0)_2TX

2457MHz_TX

31/07/2020



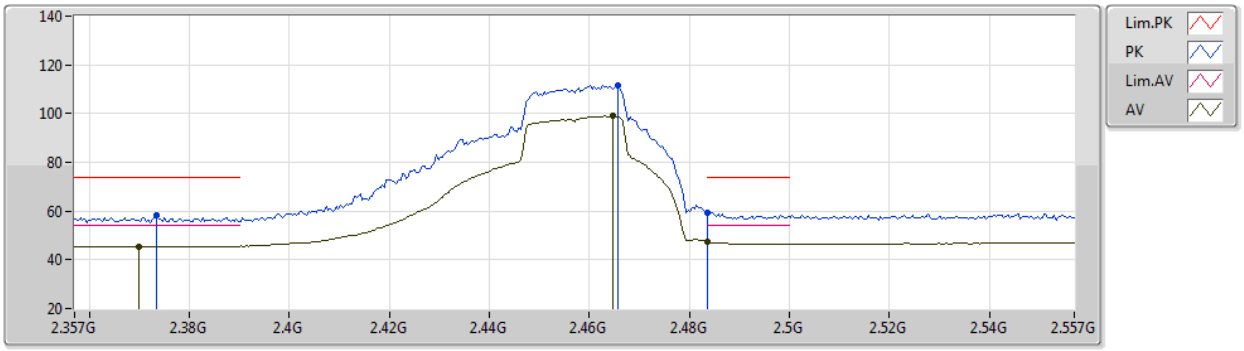
EUT Y_2TX
Setting 113
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3606G	58.57	74.00	-15.43	25.23	3	Vertical	342	2.77	-	29.36	3.98	-
AV	2.3898G	45.71	54.00	-8.29	12.33	3	Vertical	342	2.77	-	29.39	3.99	-
PK	2.4558G	121.97	Inf	-Inf	88.09	3	Vertical	342	2.77	-	29.85	4.03	-
AV	2.4618G	108.60	Inf	-Inf	74.68	3	Vertical	342	2.77	-	29.89	4.03	-
PK	2.4838G	65.70	74.00	-8.30	31.59	3	Vertical	342	2.77	-	30.07	4.04	-
AV	2.4835G	50.92	54.00	-3.08	16.81	3	Vertical	342	2.77	-	30.07	4.04	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2457MHz_TX

31/07/2020



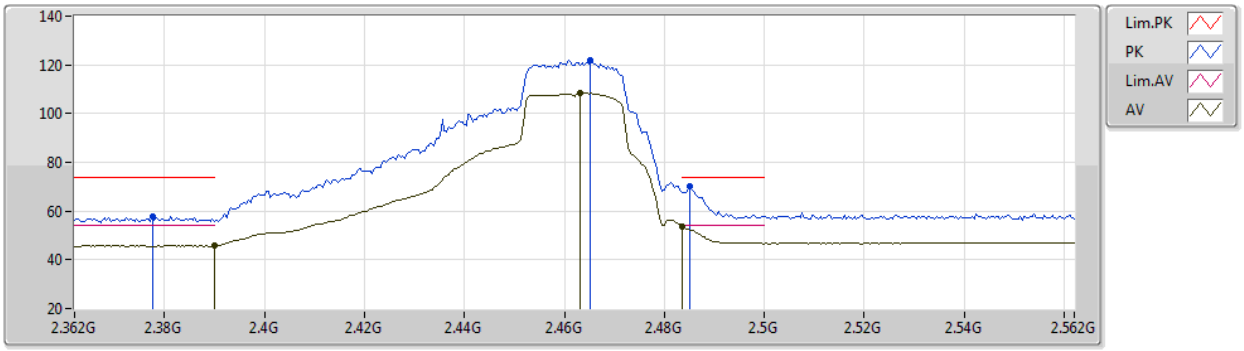
EUT Y_2TX
Setting 113
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3734G	58.34	74.00	-15.66	24.98	3	Horizontal	21	1.44	-	29.37	3.99	-
AV	2.3698G	45.59	54.00	-8.41	12.24	3	Horizontal	21	1.44	-	29.37	3.98	-
PK	2.4658G	111.69	Inf	-Inf	77.73	3	Horizontal	21	1.44	-	29.93	4.03	-
AV	2.4646G	98.89	Inf	-Inf	64.94	3	Horizontal	21	1.44	-	29.92	4.03	-
PK	2.4835G	59.21	74.00	-14.79	25.10	3	Horizontal	21	1.44	-	30.07	4.04	-
AV	2.4835G	47.19	54.00	-6.81	13.08	3	Horizontal	21	1.44	-	30.07	4.04	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

31/07/2020



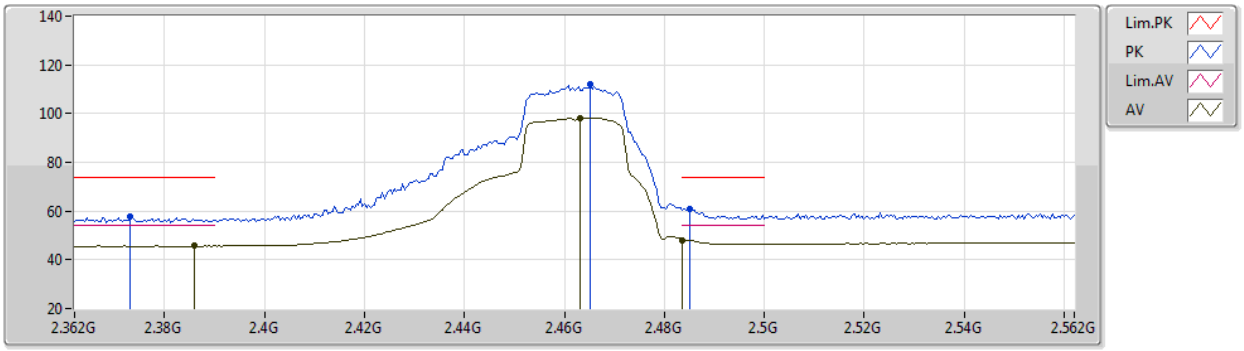
EUT Y_2TX
Setting 109
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3776G	57.96	74.00	-16.04	24.59	3	Vertical	336	2.47	-	29.38	3.99	-
AV	2.39G	45.72	54.00	-8.28	12.33	3	Vertical	336	2.47	-	29.39	4.00	-
PK	2.4652G	121.94	Inf	-Inf	87.99	3	Vertical	336	2.47	-	29.92	4.03	-
AV	2.4632G	108.34	Inf	-Inf	74.40	3	Vertical	336	2.47	-	29.91	4.03	-
PK	2.4852G	70.30	74.00	-3.70	36.18	3	Vertical	336	2.47	-	30.08	4.04	-
AV	2.4835G	53.41	54.00	-0.59	19.30	3	Vertical	336	2.47	-	30.07	4.04	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

31/07/2020



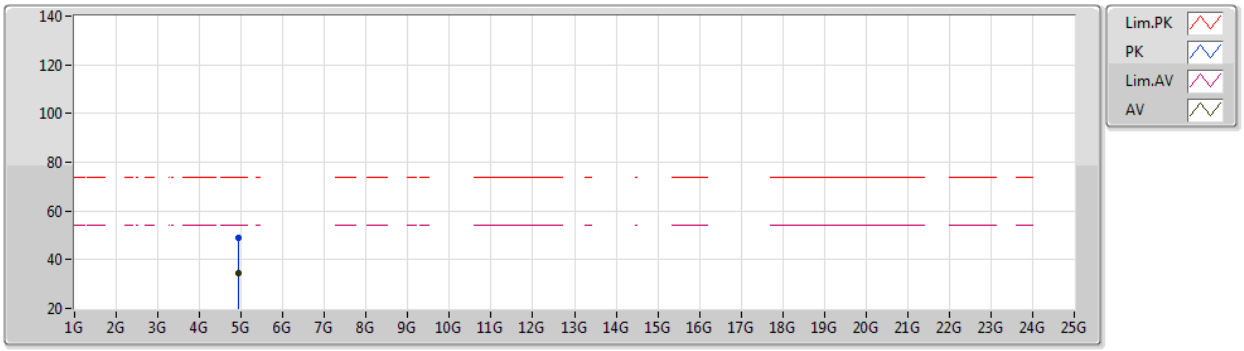
EUT Y_2TX
Setting 109
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3732G	57.72	74.00	-16.28	24.36	3	Horizontal	20	1.43	-	29.37	3.99	-
AV	2.386G	45.64	54.00	-8.36	12.26	3	Horizontal	20	1.43	-	29.39	3.99	-
PK	2.4652G	111.85	Inf	-Inf	77.90	3	Horizontal	20	1.43	-	29.92	4.03	-
AV	2.4632G	98.34	Inf	-Inf	64.40	3	Horizontal	20	1.43	-	29.91	4.03	-
PK	2.4852G	61.07	74.00	-12.93	26.95	3	Horizontal	20	1.43	-	30.08	4.04	-
AV	2.4835G	48.12	54.00	-5.88	14.01	3	Horizontal	20	1.43	-	30.07	4.04	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

31/07/2020



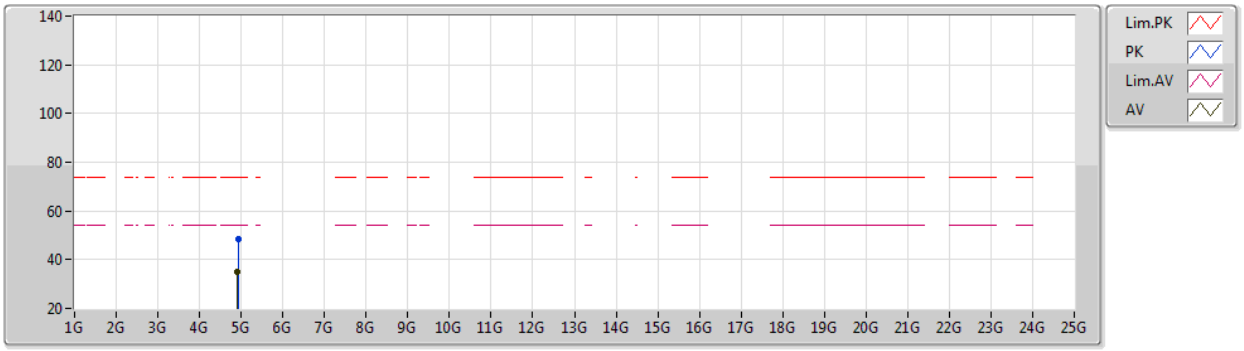
EUT Y_2TX
Setting 109
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92994G	48.82	74.00	-25.18	41.01	3	Vertical	1	1.73	-	33.93	5.49	31.61
AV	4.93114G	34.73	54.00	-19.27	26.92	3	Vertical	1	1.73	-	33.93	5.49	31.61

802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

31/07/2020



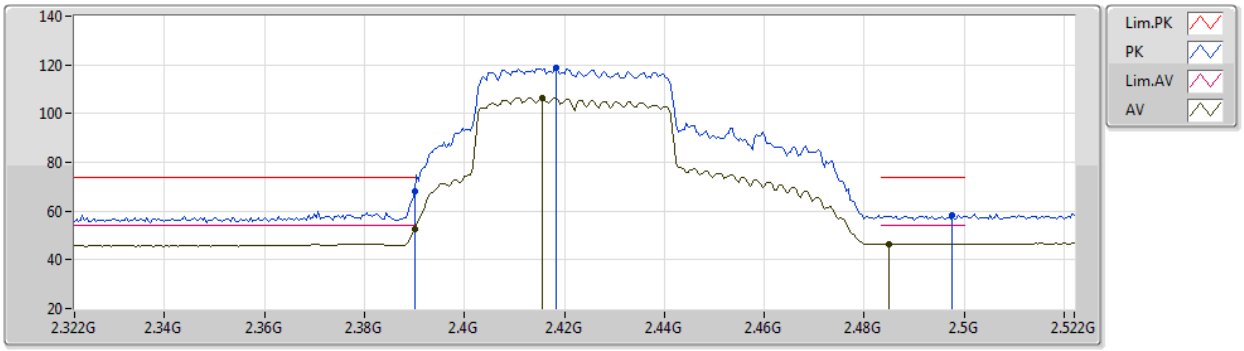
EUT Y_2TX
Setting 109
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.9357G	48.51	74.00	-25.49	40.67	3	Horizontal	302	2.43	-	33.94	5.50	31.60
AV	4.91062G	34.75	54.00	-19.25	27.01	3	Horizontal	302	2.43	-	33.91	5.46	31.63

802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

31/07/2020



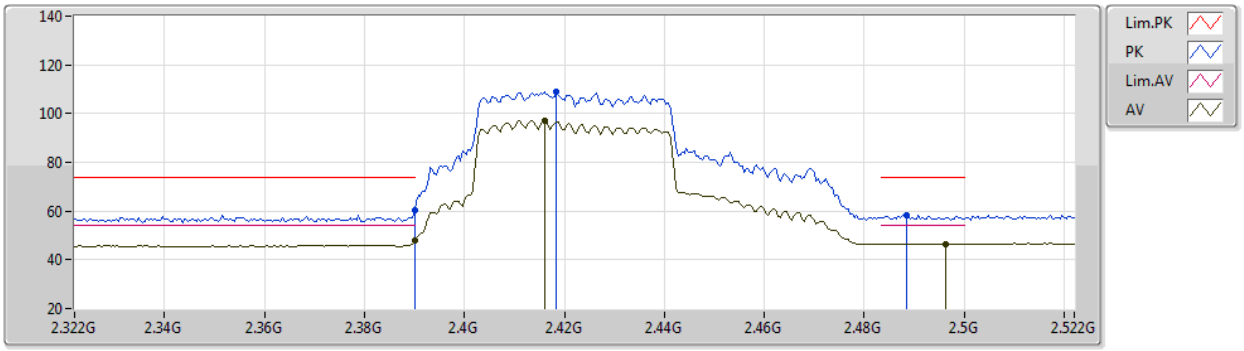
EUT Y_2TX
Setting 95
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	68.13	74.00	-5.87	34.74	3	Vertical	179	1.68	-	29.39	4.00	-
AV	2.39G	52.75	54.00	-1.25	19.36	3	Vertical	179	1.68	-	29.39	4.00	-
PK	2.4184G	118.74	Inf	-Inf	85.18	3	Vertical	179	1.68	-	29.55	4.01	-
AV	2.4156G	106.32	Inf	-Inf	72.79	3	Vertical	179	1.68	-	29.52	4.01	-
PK	2.4976G	58.21	74.00	-15.79	23.98	3	Vertical	179	1.68	-	30.18	4.05	-
AV	2.4848G	46.61	54.00	-7.39	12.49	3	Vertical	179	1.68	-	30.08	4.04	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

31/07/2020



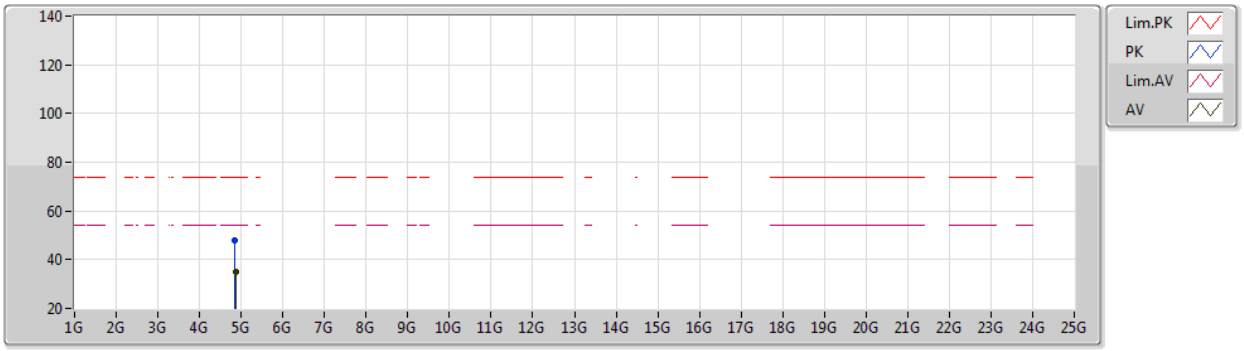
EUT Y_2TX
Setting 95
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	60.59	74.00	-13.41	27.20	3	Horizontal	139	2.27	-	29.39	4.00	-
AV	2.39G	47.70	54.00	-6.30	14.31	3	Horizontal	139	2.27	-	29.39	4.00	-
PK	2.4184G	109.19	Inf	-Inf	75.63	3	Horizontal	139	2.27	-	29.55	4.01	-
AV	2.416G	96.89	Inf	-Inf	63.35	3	Horizontal	139	2.27	-	29.53	4.01	-
PK	2.4884G	58.45	74.00	-15.55	24.30	3	Horizontal	139	2.27	-	30.11	4.04	-
AV	2.4964G	46.51	54.00	-7.49	12.29	3	Horizontal	139	2.27	-	30.17	4.05	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

31/07/2020



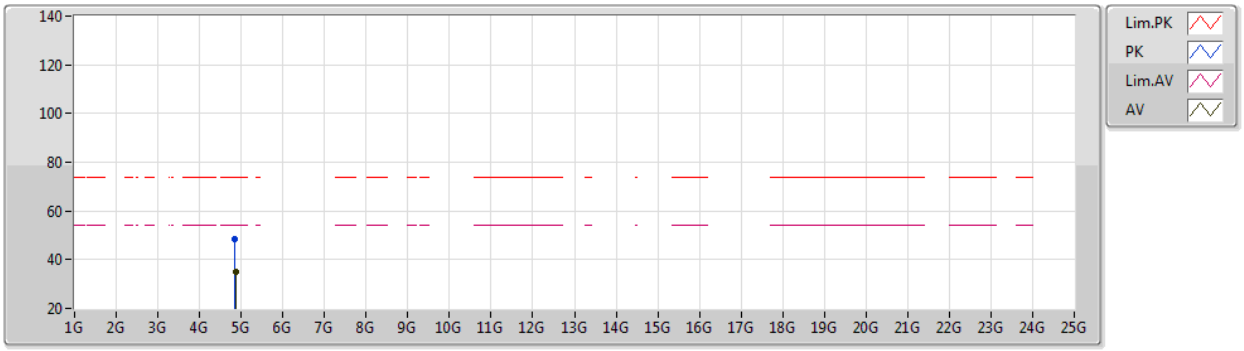
EUT Y_2TX
Setting 95
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.85132G	48.02	74.00	-25.98	40.69	3	Vertical	16	1.22	-	33.66	5.37	31.70
AV	4.85894G	34.84	54.00	-19.16	27.46	3	Vertical	16	1.22	-	33.69	5.38	31.69

802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

31/07/2020



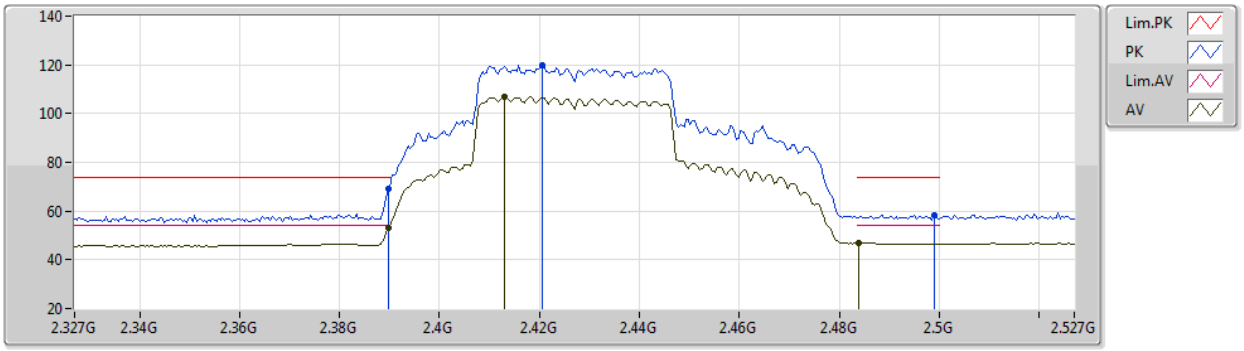
EUT Y_2TX
Setting 95
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.84892G	48.21	74.00	-25.79	40.90	3	Horizontal	247	2.83	-	33.64	5.37	31.70
AV	4.859G	34.82	54.00	-19.18	27.43	3	Horizontal	247	2.83	-	33.70	5.38	31.69

802.11ax HEW40_Nss1,(MCS0)_2TX

2427MHz_TX

31/07/2020



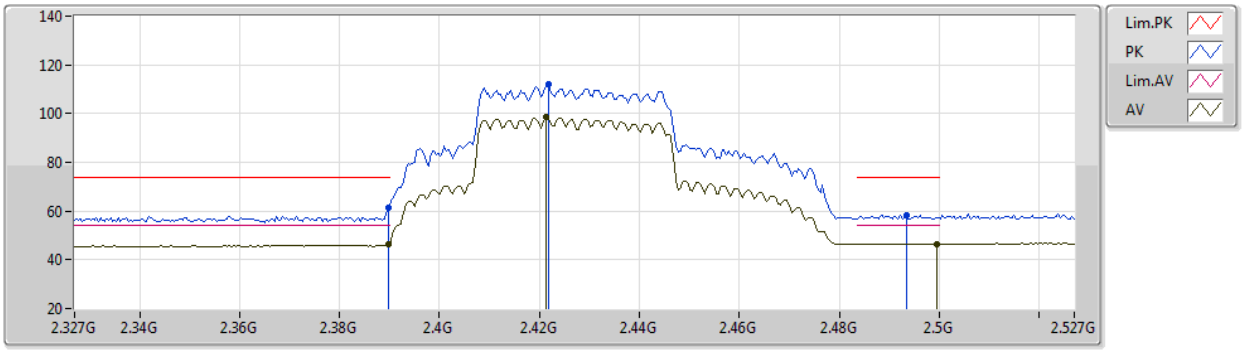
EUT Y_2TX
Setting 98
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	69.33	74.00	-4.67	35.95	3	Vertical	179	1.68	-	29.39	3.99	-
AV	2.3898G	53.24	54.00	-0.76	19.86	3	Vertical	179	1.68	-	29.39	3.99	-
PK	2.4206G	119.72	Inf	-Inf	86.15	3	Vertical	179	1.68	-	29.56	4.01	-
AV	2.413G	106.77	Inf	-Inf	73.26	3	Vertical	179	1.68	-	29.50	4.01	-
PK	2.499G	58.27	74.00	-15.73	24.03	3	Vertical	179	1.68	-	30.19	4.05	-
AV	2.4838G	46.78	54.00	-7.22	12.67	3	Vertical	179	1.68	-	30.07	4.04	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2427MHz_TX

31/07/2020



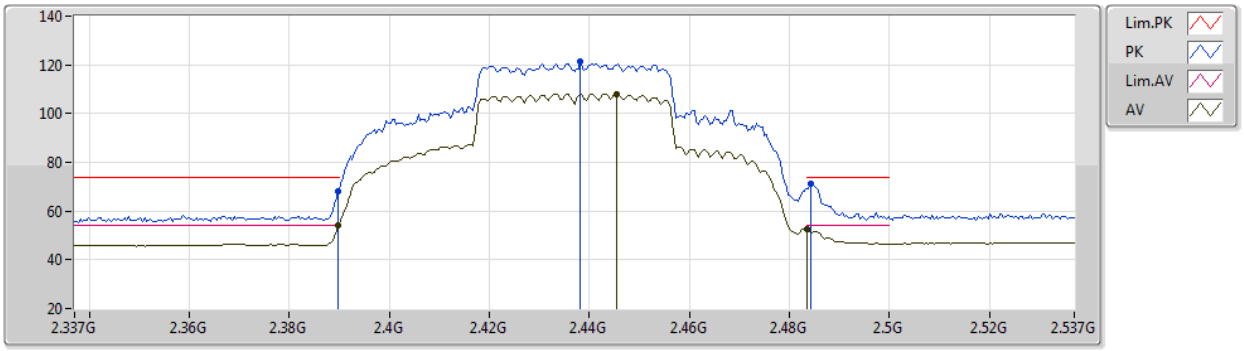
EUT Y_2TX
Setting 98
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	61.39	74.00	-12.61	28.01	3	Horizontal	110	2.68	-	29.39	3.99	-
AV	2.3898G	46.49	54.00	-7.51	13.11	3	Horizontal	110	2.68	-	29.39	3.99	-
PK	2.4218G	112.01	Inf	-Inf	78.43	3	Horizontal	110	2.68	-	29.57	4.01	-
AV	2.4214G	98.41	Inf	-Inf	64.83	3	Horizontal	110	2.68	-	29.57	4.01	-
PK	2.4934G	58.44	74.00	-15.56	24.24	3	Horizontal	110	2.68	-	30.15	4.05	-
AV	2.4994G	46.53	54.00	-7.47	12.28	3	Horizontal	110	2.68	-	30.20	4.05	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

31/07/2020



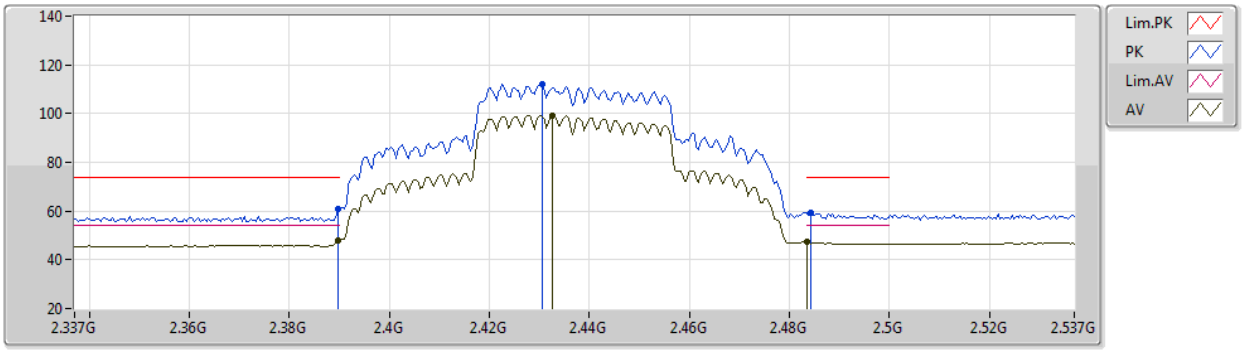
EUT Y_2TX
Setting 104
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	68.18	74.00	-5.82	34.80	3	Vertical	189	1.38	-	29.39	3.99	-
AV	2.3898G	53.93	54.00	-0.07	20.55	3	Vertical	189	1.38	-	29.39	3.99	-
PK	2.4382G	121.14	Inf	-Inf	87.41	3	Vertical	189	1.38	-	29.71	4.02	-
AV	2.4454G	108.10	Inf	-Inf	74.32	3	Vertical	189	1.38	-	29.76	4.02	-
PK	2.4842G	70.99	74.00	-3.01	36.88	3	Vertical	189	1.38	-	30.07	4.04	-
AV	2.4835G	52.48	54.00	-1.52	18.37	3	Vertical	189	1.38	-	30.07	4.04	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

31/07/2020



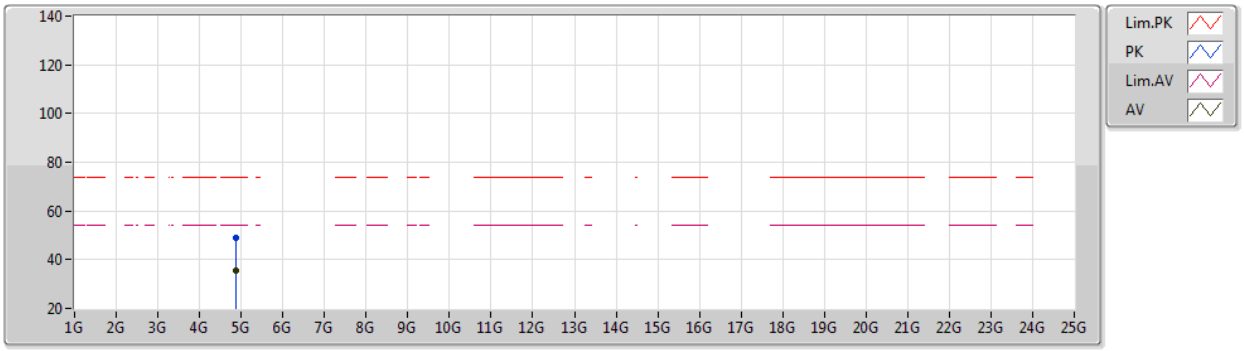
EUT Y_2TX
Setting 104
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	60.75	74.00	-13.25	27.37	3	Horizontal	107	2.49	-	29.39	3.99	-
AV	2.3898G	47.83	54.00	-6.17	14.45	3	Horizontal	107	2.49	-	29.39	3.99	-
PK	2.4306G	112.30	Inf	-Inf	78.64	3	Horizontal	107	2.49	-	29.64	4.02	-
AV	2.4326G	99.32	Inf	-Inf	65.64	3	Horizontal	107	2.49	-	29.66	4.02	-
PK	2.4842G	59.21	74.00	-14.79	25.10	3	Horizontal	107	2.49	-	30.07	4.04	-
AV	2.4835G	47.28	54.00	-6.72	13.17	3	Horizontal	107	2.49	-	30.07	4.04	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

31/07/2020



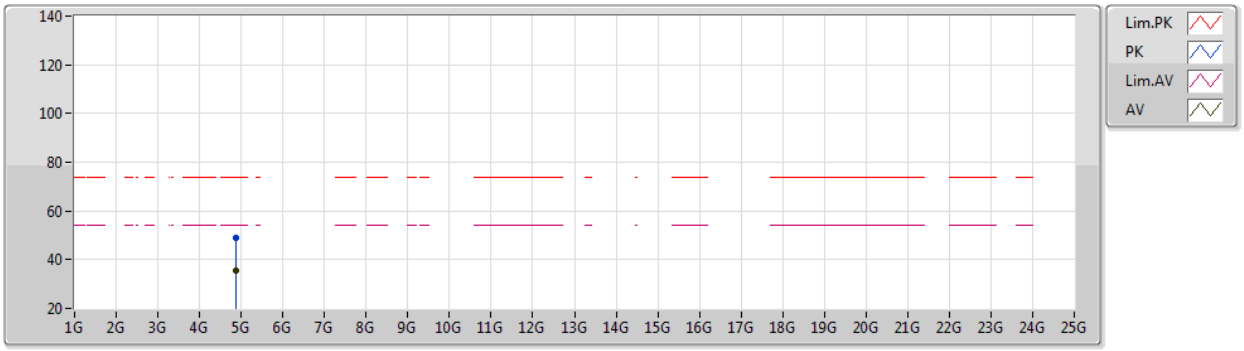
EUT Y_2TX
Setting 104
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.86932G	49.21	74.00	-24.79	41.74	3	Vertical	358	1.70	-	33.75	5.40	31.68
AV	4.87958G	35.38	54.00	-18.62	27.83	3	Vertical	358	1.70	-	33.80	5.41	31.66

802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

31/07/2020



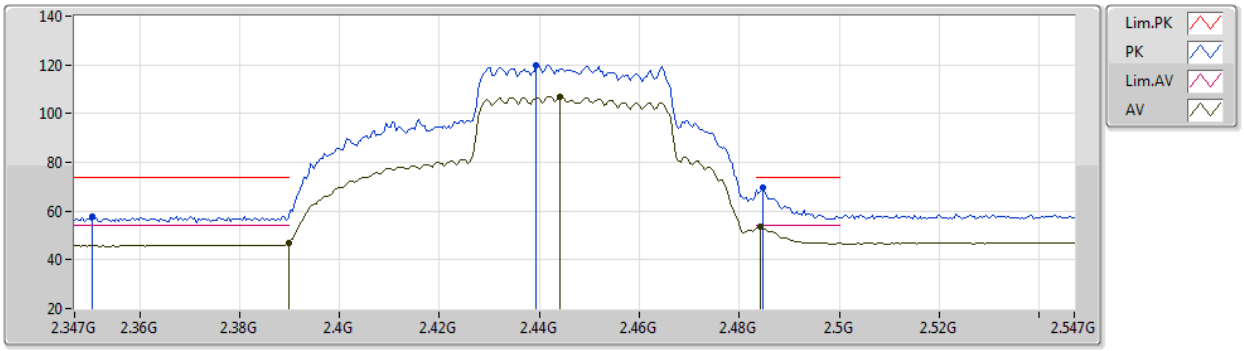
EUT Y_2TX
Setting 104
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87646G	49.18	74.00	-24.82	41.66	3	Horizontal	343	1.80	-	33.78	5.41	31.67
AV	4.87862G	35.31	54.00	-18.69	27.78	3	Horizontal	343	1.80	-	33.79	5.41	31.67

802.11ax HEW40_Nss1,(MCS0)_2TX

2447MHz_TX

31/07/2020



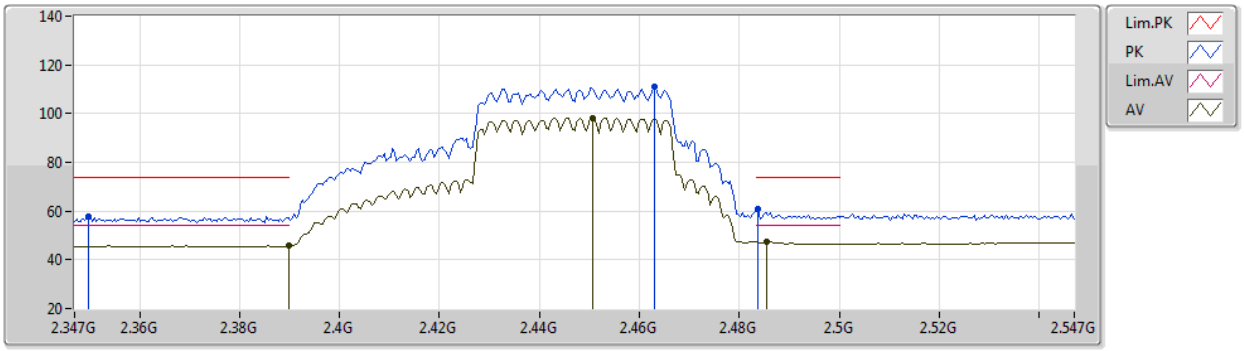
EUT Y_2TX
Setting 98
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3506G	57.85	74.00	-16.15	24.52	3	Vertical	192	1.44	-	29.35	3.98	-
AV	2.3898G	46.99	54.00	-7.01	13.61	3	Vertical	192	1.44	-	29.39	3.99	-
PK	2.4394G	119.95	Inf	-Inf	86.21	3	Vertical	192	1.44	-	29.72	4.02	-
AV	2.4442G	107.11	Inf	-Inf	73.34	3	Vertical	192	1.44	-	29.75	4.02	-
PK	2.4846G	69.45	74.00	-4.55	35.33	3	Vertical	192	1.44	-	30.08	4.04	-
AV	2.4842G	53.60	54.00	-0.40	19.49	3	Vertical	192	1.44	-	30.07	4.04	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2447MHz_TX

31/07/2020



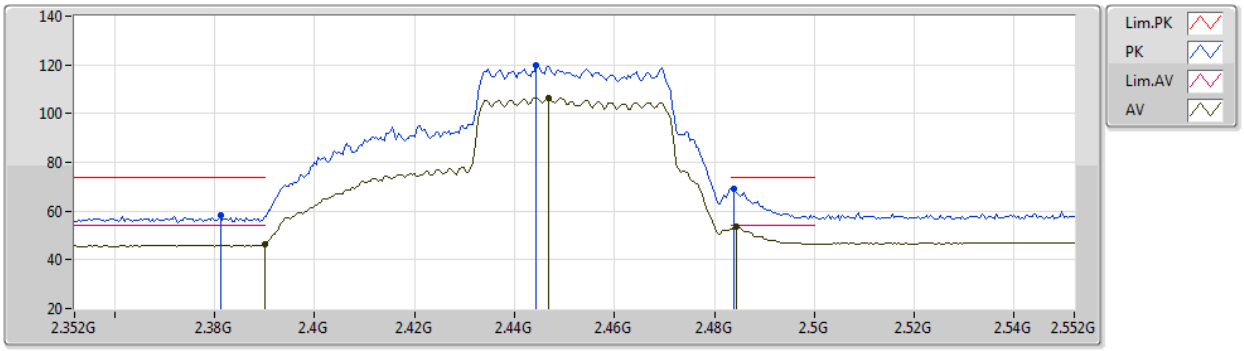
EUT Y_2TX
Setting 98
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3498G	57.69	74.00	-16.31	24.37	3	Horizontal	56	1.59	-	29.35	3.97	-
AV	2.3898G	45.77	54.00	-8.23	12.39	3	Horizontal	56	1.59	-	29.39	3.99	-
PK	2.463G	110.99	Inf	-Inf	77.06	3	Horizontal	56	1.59	-	29.90	4.03	-
AV	2.4506G	98.23	Inf	-Inf	64.40	3	Horizontal	56	1.59	-	29.80	4.03	-
PK	2.4838G	60.70	74.00	-13.30	26.59	3	Horizontal	56	1.59	-	30.07	4.04	-
AV	2.4854G	47.43	54.00	-6.57	13.31	3	Horizontal	56	1.59	-	30.08	4.04	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX

31/07/2020



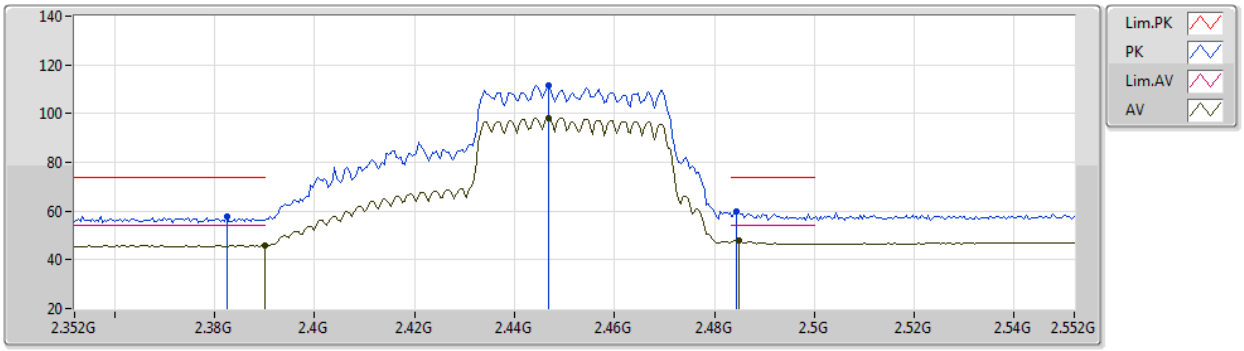
EUT Y_2TX
Setting 95
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3812G	58.28	74.00	-15.72	24.91	3	Vertical	187	1.34	-	29.38	3.99	-
AV	2.39G	46.41	54.00	-7.59	13.02	3	Vertical	187	1.34	-	29.39	4.00	-
PK	2.4444G	119.83	Inf	-Inf	86.05	3	Vertical	187	1.34	-	29.76	4.02	-
AV	2.4468G	106.43	Inf	-Inf	72.64	3	Vertical	187	1.34	-	29.77	4.02	-
PK	2.484G	68.94	74.00	-5.06	34.83	3	Vertical	187	1.34	-	30.07	4.04	-
AV	2.4844G	53.78	54.00	-0.22	19.66	3	Vertical	187	1.34	-	30.08	4.04	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX

31/07/2020



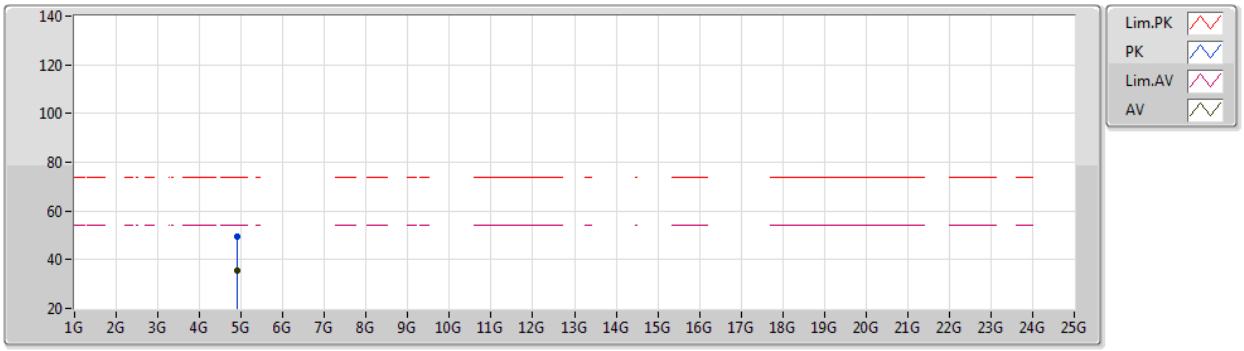
EUT Y_2TX
Setting 95
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3824G	57.97	74.00	-16.03	24.60	3	Horizontal	38	1.01	-	29.38	3.99	-
AV	2.39G	45.73	54.00	-8.27	12.34	3	Horizontal	38	1.01	-	29.39	4.00	-
PK	2.4468G	111.55	Inf	-Inf	77.76	3	Horizontal	38	1.01	-	29.77	4.02	-
AV	2.4468G	98.34	Inf	-Inf	64.55	3	Horizontal	38	1.01	-	29.77	4.02	-
PK	2.4844G	60.06	74.00	-13.94	25.94	3	Horizontal	38	1.01	-	30.08	4.04	-
AV	2.4848G	47.84	54.00	-6.16	13.72	3	Horizontal	38	1.01	-	30.08	4.04	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX

31/07/2020



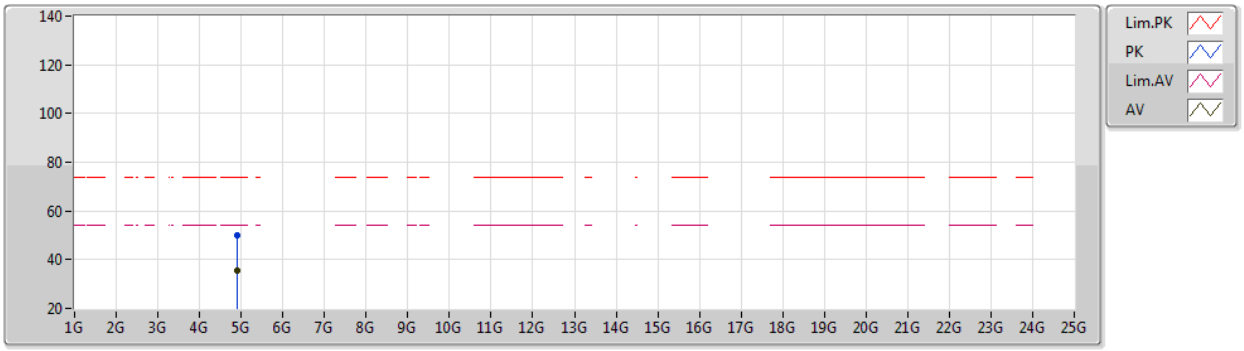
EUT Y_2TX
Setting 95
06-F-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.89746G	49.29	74.00	-24.71	41.60	3	Vertical	287	1.80	-	33.89	5.44	31.64
AV	4.89986G	35.35	54.00	-18.65	27.65	3	Vertical	287	1.80	-	33.90	5.44	31.64

802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX

31/07/2020



EUT Y_2TX
Setting 95
06-F-E-2

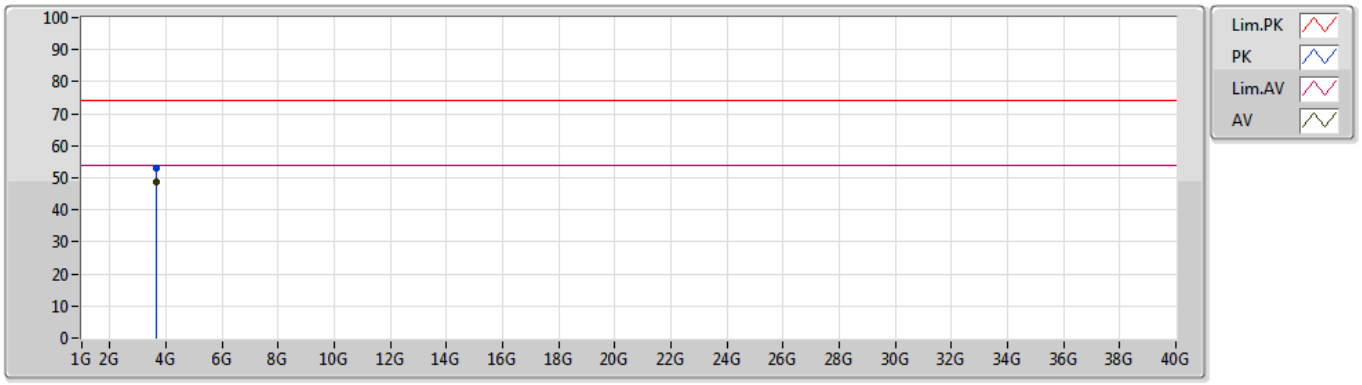
Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.89848G	49.82	74.00	-24.18	42.13	3	Horizontal	91	2.56	-	33.89	5.44	31.64
AV	4.88954G	35.53	54.00	-18.47	27.90	3	Horizontal	91	2.56	-	33.85	5.43	31.65

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	3.663G	48.92	54.00	-5.08	Horizontal

Mode 1

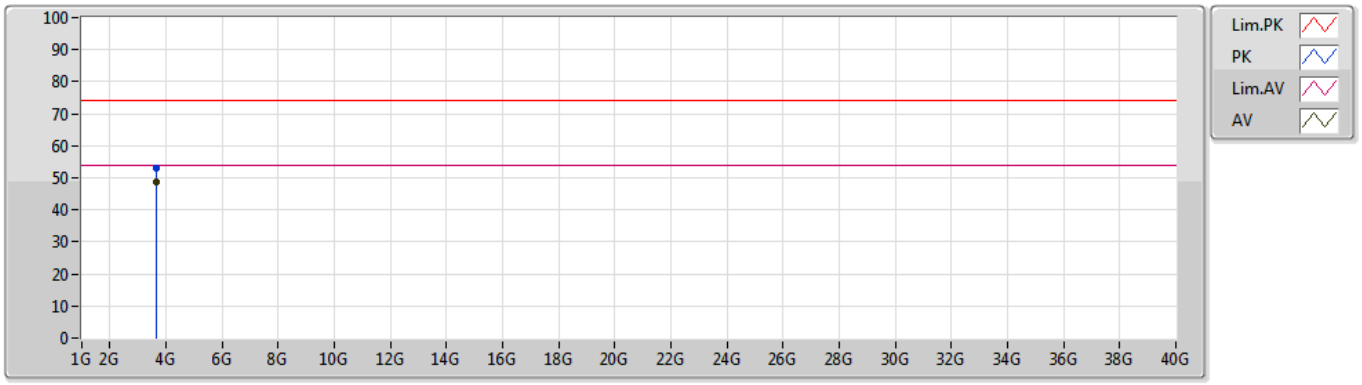
16/09/2020



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	3.66311G	52.92	74.00	-21.08	1.29	3	Vertical	210	1.03	-	51.63	30.83	4.12	33.66
AV	3.66297G	48.63	54.00	-5.37	1.29	3	Vertical	212	1.03	"Worst"	47.34	30.83	4.12	33.66

Mode 1

16/09/2020



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	3.6631G	52.92	74.00	-21.08	1.29	3	Horizontal	355	1.88	-	51.63	30.83	4.12	33.66
AV	3.663G	48.92	54.00	-5.08	1.29	3	Horizontal	354	1.88	"Worst"	47.63	30.83	4.12	33.66