Testing Laboratory 3787

RADIO TEST REPORT

FCC ID	:	RSL-TQ6602GEN2
Equipment	:	IEEE802.11ax dual-radio 5G/2.4GHz 4x4+4x4 wireless AP
Brand Name	:	Allied Telesis
Model Name	:	AT-TQ6602 GEN2 , AT-TQm6602 GEN2
Applicant	:	Allied Telesis K.K 2nd. TOC Bldg.7-21-11 Nishi-Gotanda, Shinagawa-ku Tokyo 1430031 Japan
Manufacturer	:	Allied Telesis K.K 2nd. TOC Bldg.7-21-11 Nishi-Gotanda, Shinagawa-ku Tokyo 1430031 Japan
Standard	:	47 CFR FCC Part 15.247

The product was received on Aug. 02, 2021, and testing was started from Aug. 16, 2021 and completed on Nov. 23, 2021. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory
No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issued Date
FR152531-01AA	01	Initial issue of report	Dec. 07, 2021
FR152531-01AA	02	Changing Applicant and Manufacturer's address	Dec. 09, 2021

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: Vicky Huang

1 General Description

1.1 Information

1.1.1 RF General Information

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

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

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	P/N	Antenna Type	Connector	Gain (dBi)
	2.4GHz	5GHz					
1	3	3	WNC	ATKK RANQ-AK72	PIFA	I-PEX	Note 1
2	4	4	WNC	ATKK RANQ-AK72	PIFA	I-PEX	
3	2	2	WNC	ATKK RANQ-AK72	PIFA	I-PEX	
4	1	1	WNC	ATKK RANQ-AK72	PIFA	I-PEX	

Note 1:

Ant.	Gain (dBi)				
	2.4GHz	5GHz UNII 1	5GHz UNII 2A	5GHz UNII 2C	5GHz UNII 3
1	2.59	1.68	3.13	3.65	3.46
2	3	1.6	1.93	1.82	2.4
3	3.02	1.87	1.74	1.77	2.77
4	1.42	1.87	2.75	4.23	4.42
Directional Gain (dBi) (4T1S)	5.78	4.17	3.25	4.49	4.48
Directional Gain (dBi) (4T2S)	3.02	1.87	3.13	4.23	4.42
Directional Gain (dBi) (4T4S)	0.3	-1.27	-1.11	-0.39	0.18

Note 2: The above information was declared by manufacturer.
Note 3: The directional gain is measured which follows the procedure of KDB 662911 D03. The antenna report is provided in the operational description for this application.
Note 4:

For 2.4GHz function:

For IEEE 802.11b/g/n/VHT/ax (4TX/4RX):

Port 1, Port 2, Pot 3 and Port 4 can be used as transmitting/receiving antenna.

Port 1, Port 2, Pot 3 and Port 4 could transmit/receive simultaneously.

For 5GHz function:

For IEEE 802.11a/n/ac/ax (4TX/4RX):

Port 1, Port 2, Pot 3 and Port 4 can be used as transmitting/receiving antenna.

Port 1, Port 2, Pot 3 and Port 4 could transmit/receive simultaneously

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.615	2.11	652.5u	3k
802.11g	0.939	0.27	1.435m	1k
802.11ax HEW20	0.937	0.28	5.448m	300
802.11ax HEW40	0.951	0.22	5.449m	300

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

1.1.4 EUT Operational Condition

EUT Power Type	From power adapter or PoE			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	For 802.11n/ax/VHT in 2.4GHz, 802.11n/ac/ax in 5GHz.			
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	QLibDemo-MSVC10_Txpower.exe			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

Model Name	Description
AT-TQ6602 GEN2	All the models are identical; different models serve as marketing strategy.
AT-TQm6602 GEN2	

Note 1: From the above models, model: AT-TQ6602 GEN2 was selected as representative model for the test and its data was recorded in this report.
Note 2: The above information was declared by manufacturer.

1.2 Applicable Standards

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

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

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

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

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH01-CB	Brian Sun	21.2~21.4 / 55~61	Oct. 04, 2021~ Nov. 09, 2021
Radiated (Below 1GHz)	10CH01-CB	Wei Li	22~24 / 54~58	Aug. 17, 2021~ Nov. 23, 2021
Radiated (Above1GHz)	03CH02-CB	Simmon Chang	24.4-25.5 / 55-58	Oct. 01, 2021~ Oct. 04, 2021
	03CH04-CB	Simmon Chang	23.7-24.8 / 56-59	
Radiated (Radiated Emission Co-location)	03CH01-CB	Simmon Chang	23.9-24.2 / 56-59	Nov. 18, 2021
AC Conduction	CO01-CB	Wei Li	23~24 / 56~59	Aug. 16, 2021

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 (9kHz ~ 30MHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.5 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	2.5 dB	Confidence levels of 95%
Output Power Measurement	1.3 dB	Confidence levels of 95%
Power Density Measurement	2.5 dB	Confidence levels of 95%
Bandwidth Measurement	0.9%	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

For non-beamforming mode:

Mode	Power Setting
802.11b_Nss1,(1Mbps)_4TX	-
2412MHz	20
2437MHz	22.5
2462MHz	20
802.11g_Nss1,(6Mbps)_4TX	-
2412MHz	16.5
2417MHz	18.5
2437MHz	21.5
2457MHz	17.5
2462MHz	16.5
802.11ax HEW20_Nss1,(MCS0)_4TX	-
2412MHz	15.5
2417MHz	16.5
2437MHz	20.5
2457MHz	18
2462MHz	15.5
802.11ax HEW40_Nss1,(MCS0)_4TX	-
2422MHz	15.5
2437MHz	16.5
2452MHz	15.5

For beamforming mode:

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
2412MHz	15.5
2417MHz	16.5
2437MHz	20.5
2457MHz	18
2462MHz	15.5
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
2422MHz	15.5
2437MHz	16.5
2452MHz	15.5

Note:

HEW20/HEW40 covers HT20/HT40/VHT20/VHT40, due to similar modulation. The power setting for HT20/HT40/VHT20/VHT40 are the same or lower than HEW20/HEW40

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 Test Voltage: 120Vac / 60Hz
Operating Mode	Normal Link
1	Normal Link - EUT + Adapter
2	Normal Link - EUT + PoE 2
For operating mode 1 is the worst case and it was record in this test report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	DTS Bandwidth Maximum Conducted Output Power Power Spectral Density Emissions in Non-restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link
1	Normal Link: EUT in Z axis + Adapter
2	Normal Link: EUT in Y axis + Adapter
Mode 1 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3 will follow this same test mode.	
3	Normal Link: EUT in Z axis + PoE 2
Mode 3 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4 will follow this same test mode.	
4	Normal Link: EUT in X axis + PoE 2
For operating mode 3 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
The EUT was performed at X axis, Y axis and Z axis position. The worst case was found at Z axis, so it was selected to perform test and its test result was written in the report.	
1	EUT in Z axis

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
The EUT was performed at X axis, Y axis and Z axis position from Emissions in Restricted Frequency Bands above 1GHz. The worst case was found at Z axis, so it was selected to perform test and its test result was written in the report.	
1	EUT in Z axis-WLAN 2.4GHz+WLAN 5GHz
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
Refer to Sporton Test Report No.: FA152531-01 for Co-location RF Exposure Evaluation.	

Note: The Adapter and PoE was for measurement only, would not be marketed.
The detail information as below

Support Unit	Brand	Model Name
Adapter	APD	DA-48Z12
PoE 1	Symbol	PD-9001GR/AT/AC
PoE 2	DELTA	ADP-60HR B

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

Wall-mounted rack*1

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	5G LAN1 PC	DELL	T3400	N/A
B	5G LAN2 PC	DELL	T3400	N/A
C	2.4G NB	DELL	E6430	N/A
D	5G NB	DELL	E6430	N/A
E	Adapter	APD	DA-48Z12	N/A

For Radiated (below 1GHz):

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	PoE	DELTA	ADP-60HR B	N/A
B	5G LAN1 PC	DELL	T3400	N/A
C	2.4G NB	DELL	E6430	N/A
D	5G NB	DELL	E6430	N/A
E	5G LAN2 PC	DELL	T3400	N/A

For Radiated (above 1GHz) and RF Conducted:

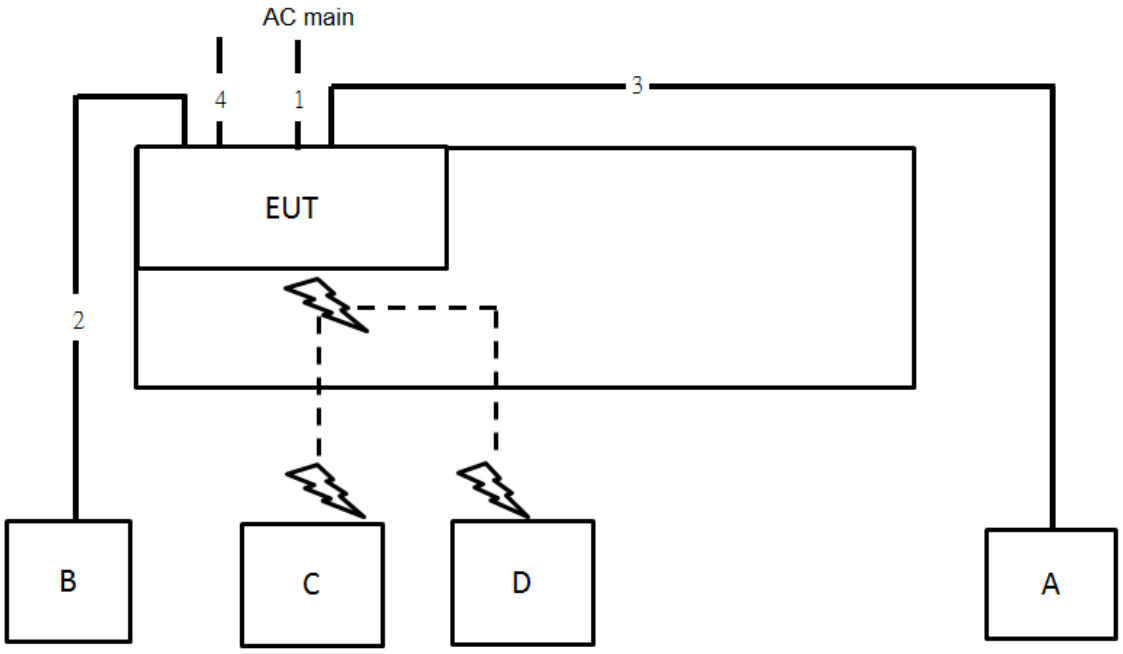
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A
B	PoE	Symbol	PD-9001GR/AT/AC	N/A

For Radiated (Radiated Emission Co-location):

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A
B	PoE	Symbol	PD-9001GR/AT/AC	N/A
C	NB	DELL	E4300	N/A
D	NB	DELL	E4300	N/A

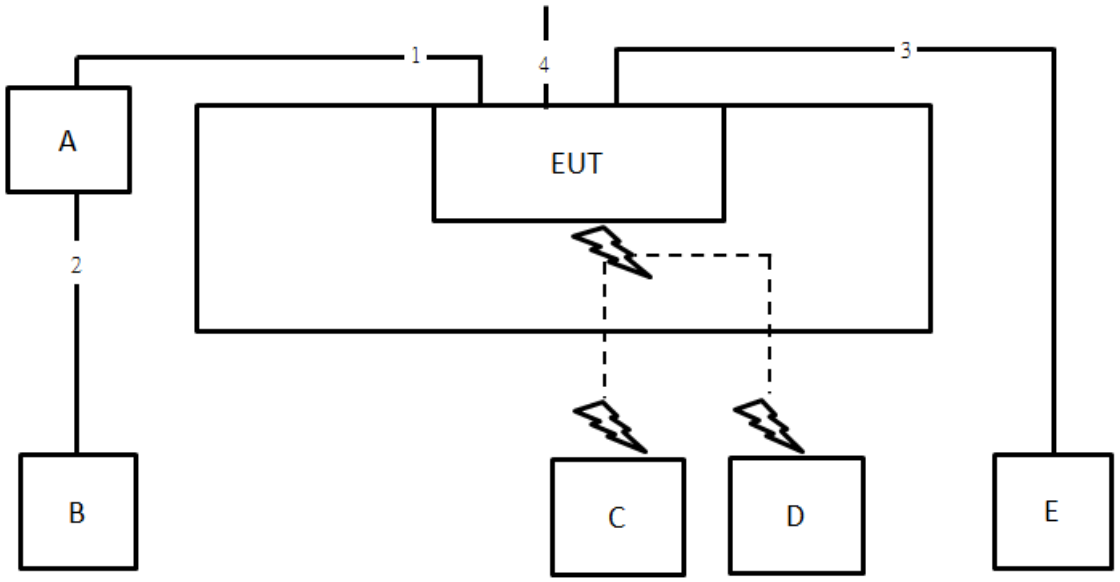
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



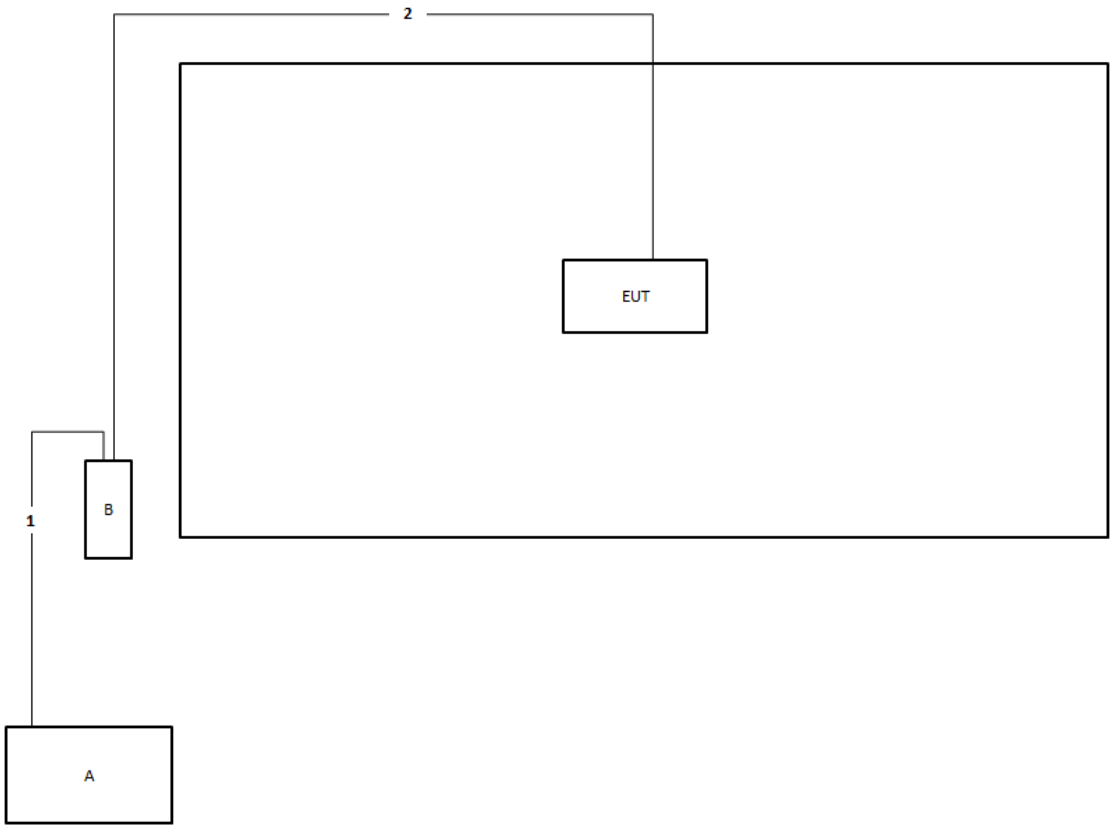
Item	Connection	Shielded	Length
1	Power cable	No	2.3m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	10m
4	Console cable	No	1.5m

Test Setup Diagram - Radiated Test < 1GHz



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

Test Setup Diagram - Radiated Test > 1GHz



Item	Connection	Shielded	Length
1	RJ-45 cable	No	0.5m
2	RJ-45 cable	No	10m

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	**Quasi-Peak**	**Average**
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

3.1.2 Measuring Instruments

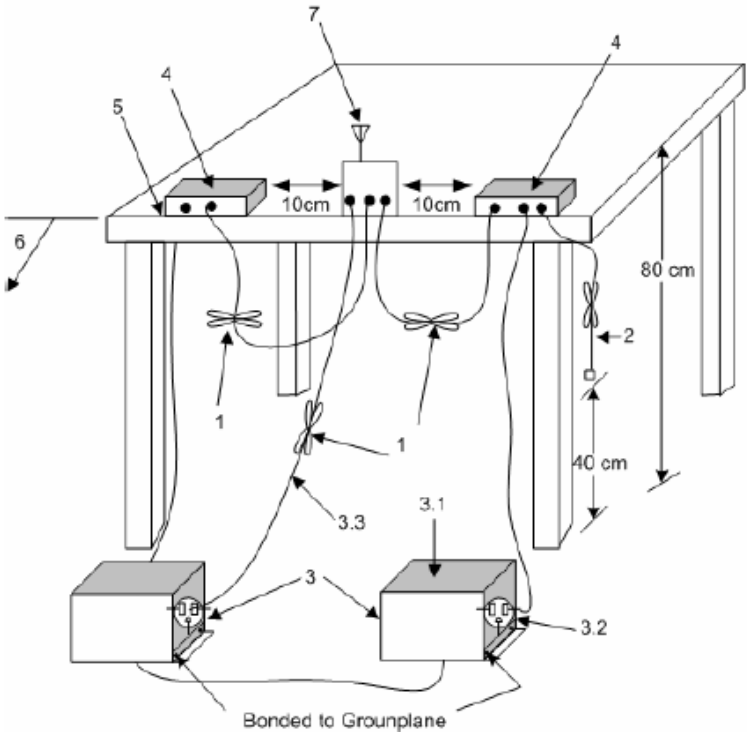
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



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

3.1.5 Measurement Results Calculation

The measured Level is calculated using:

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

b. Margin = -Limit + Level

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

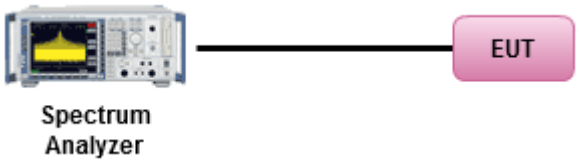
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup

Emission Bandwidth


3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
▪	Maximum Peak Conducted Output Power
☐	Refer as FCC KDB 558074, clause 8.3.1.1 & C63.10 clause 11.9.1.1 (RBW ≥ EBW method).
☐	Refer as FCC KDB 558074, clause 8.3.1.3 & C63.10 clause 11.9.1.3 (peak power meter).
▪	Maximum Conducted Output Power
	[duty cycle ≥ 98% or external video / power trigger]
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.2 Method AVGSA-1.
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.3 Method AVGSA-1A. (alternative)
	duty cycle < 98% and average over on/off periods with duty factor
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.4 Method AVGSA-2.
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.5 Method AVGSA-2A (alternative)
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.6 Method AVGSA-3
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.7 Method AVGSA-3A (alternative)
	Measurement using a power meter (PM)
☐	Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.1 Method AVGPM (using an RF average power meter).
☒	Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.2 Method AVGPM-G (using an gate RF average power meter).

▪ For conducted measurement.	
	▪ If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)

3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

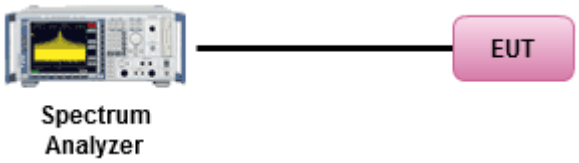
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

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

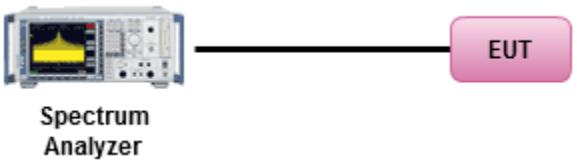
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup

Emissions in Non-restricted Frequency Bands


3.5.5 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.

3.5.6 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

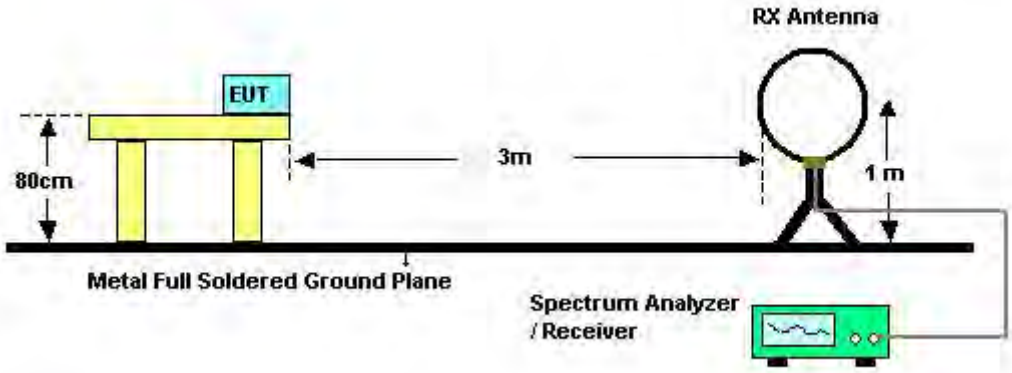
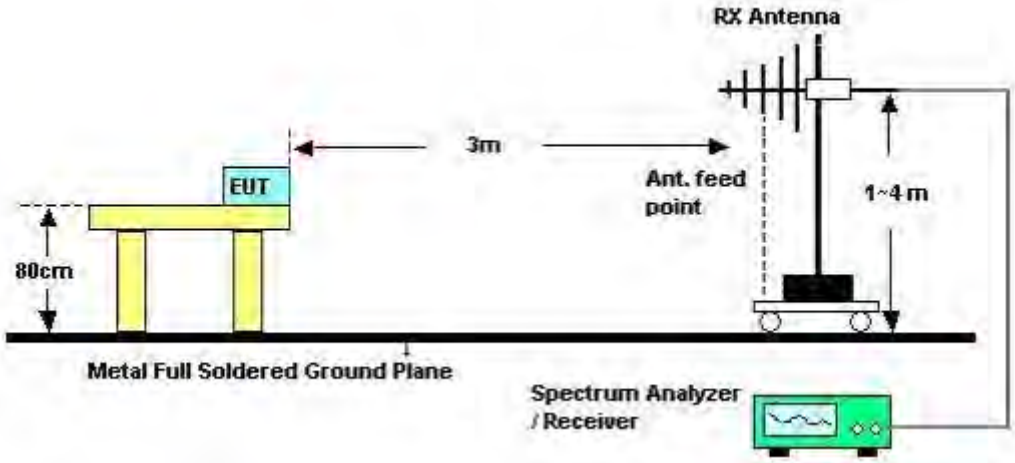
3.6.2 Measuring Instruments

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

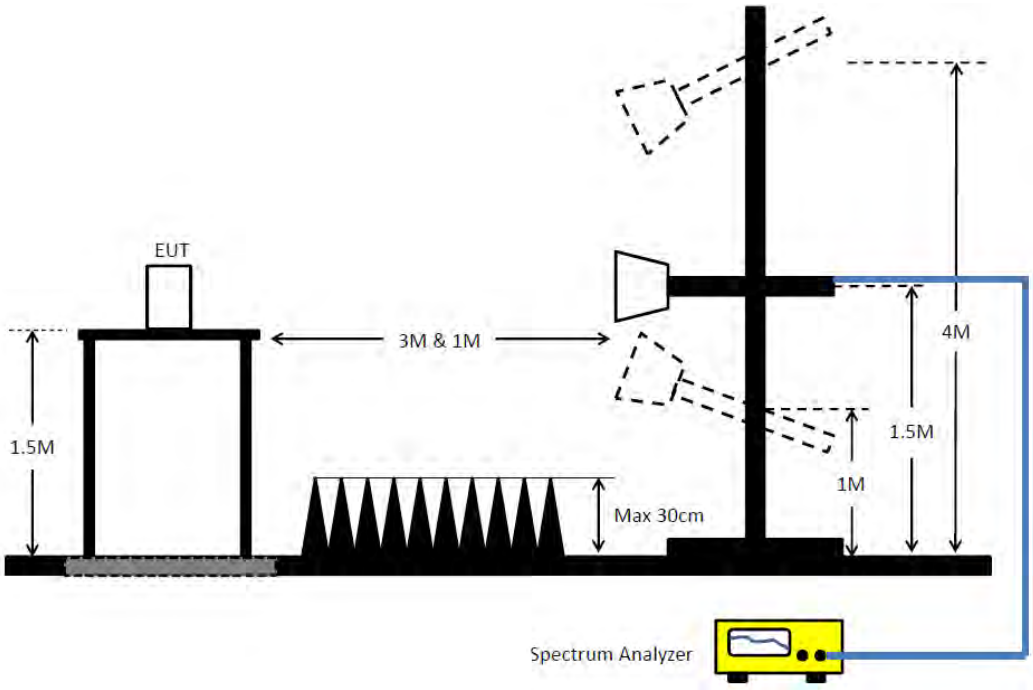
3.6.3 Test Procedures

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

3.6.4 Test Setup

Radiated - Emissions in Restricted Frequency Bands
9kHz ~30MHz

30MHz~1GHz


Above 1GHz



3.6.5 Measurement Results Calculation

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

3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

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

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Mar. 03, 2021	Mar. 02, 2022	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Jan. 06, 2021	Jan. 05, 2022	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Mar. 07, 2021	Mar. 06, 2022	Conduction (CO01-CB)
Pulse Limiter	Rohde& Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Jan. 30, 2021	Jan. 29, 2022	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 19, 2021	May 18, 2022	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
10m Semi Anechoic Chamber NSA	TDK	SAC-10M	10CH01-CB	30MHz~1GHz 10m,3m	Jan. 28, 2021	Jan. 27, 2022	Radiation (10CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10783	9kHz ~ 1.3GHz	Mar. 11, 2021	Mar. 10, 2022	Radiation (10CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10784	9kHz ~ 1.3GHz	Mar. 11, 2021	Mar. 10, 2022	Radiation (10CH01-CB)
Low Cable	Woken	SUCOFLEX 104	low cable-01	25MHz ~ 1GHz	Oct. 20, 2020	Oct. 19, 2021	Radiation (10CH01-CB)
Low Cable	Woken	SUCOFLEX 104	low cable-01	25MHz ~ 1GHz	Oct. 19, 2021	Oct. 18, 2022	Radiation (10CH01-CB)
High Cable	Woken	SUCOFLEX 104	low cable-02	25MHz ~ 1GHz	Oct. 20, 2020	Oct. 19, 2021	Radiation (10CH01-CB)
High Cable	Woken	SUCOFLEX 104	low cable-02	25MHz ~ 1GHz	Oct. 19, 2021	Oct. 18, 2022	Radiation (10CH01-CB)
Bilog Antenna with 6dB Attenuator	Chase & EMCI	CBL6111A &N-6-06	1543 &AT-N0609	30MHz ~ 1GHz	Jul. 01, 2021	Jun. 30, 2022	Radiation (10CH01-CB)
EMI Test Receiver	Rohde& Schwarz	ESCI	100186	9kHz ~ 3GHz	Jul. 12, 2021	Jul. 11, 2022	Radiation (10CH01-CB)
Spectrum Analyzer	Rohde& Schwarz	FSV30	101026	9kHz ~ 30GHz	Mar. 08, 2021	Mar. 07, 2022	Radiation (10CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 14, 2021	Apr. 13, 2022	Radiation (10CH01-CB)

Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (10CH01-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 07, 2021	May 06, 2022	Radiation (03CH01-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1370	1GHz~18GHz	Sep. 14, 2021	Sep. 13, 2022	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 20, 2021	May 19, 2022	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	May 03, 2021	May 02, 2022	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz 3m	Mar. 27, 2021	Mar. 26, 2022	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	May 04, 2021	May 03, 2022	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jul. 12, 2021	Jul. 11, 2022	Radiation (03CH02-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSU	100015	9kHz~26GHz	Oct. 15, 2020	Oct. 14, 2021	Radiation (03CH02-CB)

RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 25, 2021	Feb. 24, 2022	Radiation (03CH04-CB)
Horn Antenna	ETS・Lindgren	3115	00143147	750MHz~18GHz	Oct. 23, 2020	Oct. 22, 2021	Radiation (03CH04-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz ~ 26.5GHz	Jul. 12, 2021	Jul. 11, 2022	Radiation (03CH04-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Feb. 19, 2021	Feb. 18, 2022	Radiation (03CH04-CB
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH04-CB
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Nov. 05, 2020	Nov. 04, 2021	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)

Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 21, 2021	May 20, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Feb. 23, 2021	Feb. 22, 2022	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Feb. 23, 2021	Feb. 22, 2022	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)

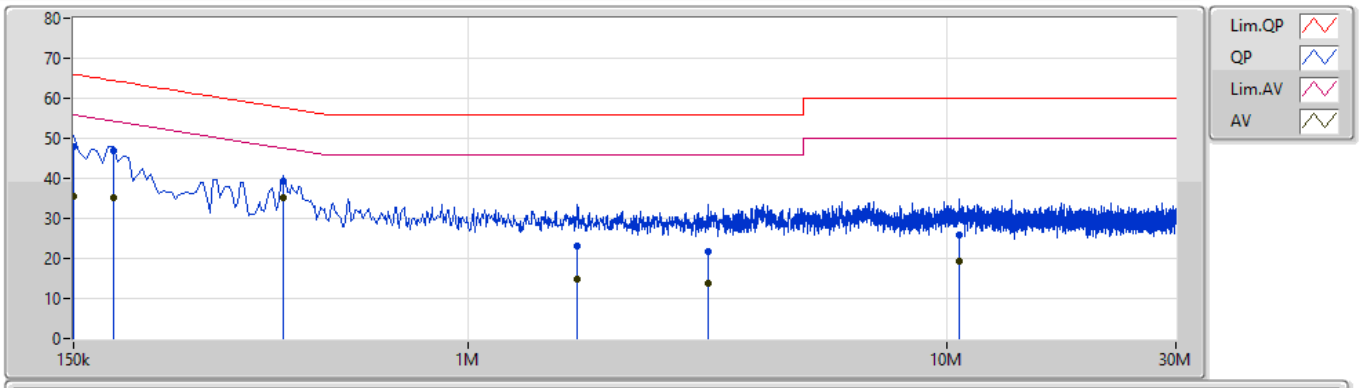
Note: Calibration Interval of instruments listed above is one year.
NCR means Non-Calibration required.

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	411k	35.21	47.63	-12.42	Line

Mode 1

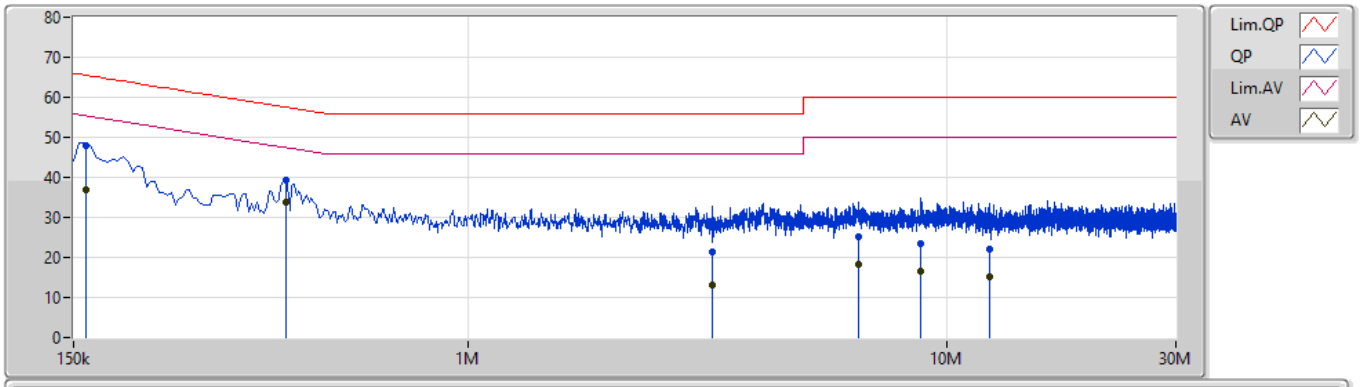
16/08/2021



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	150k	47.89	66.00	-18.11	9.89	Line	-	38.00	0.04	0.04	9.81
AV	150k	35.37	56.00	-20.63	9.89	Line	-	25.48	0.04	0.04	9.81
QP	181.5k	46.83	64.41	-17.58	9.89	Line	-	36.94	0.04	0.04	9.81
AV	181.5k	35.28	54.41	-19.13	9.89	Line	-	25.39	0.04	0.04	9.81
QP	411k	39.46	57.63	-18.17	9.90	Line	-	29.56	0.04	0.04	9.82
AV	411k	35.21	47.63	-12.42	9.90	Line	"Worst"	25.31	0.04	0.04	9.82
QP	1.689M	23.11	56.00	-32.89	9.96	Line	-	13.15	0.08	0.06	9.82
AV	1.689M	14.79	46.00	-31.21	9.96	Line	-	4.83	0.08	0.06	9.82
QP	3.174M	21.88	56.00	-34.12	10.07	Line	-	11.81	0.12	0.10	9.85
AV	3.174M	13.85	46.00	-32.15	10.07	Line	-	3.78	0.12	0.10	9.85
QP	10.577M	25.70	60.00	-34.30	10.29	Line	-	15.41	0.23	0.16	9.90
AV	10.577M	19.23	50.00	-30.77	10.29	Line	-	8.94	0.23	0.16	9.90

Mode 1

16/08/2021



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	159k	47.77	65.52	-17.75	9.88	Neutral	-	37.89	0.03	0.04	9.81
AV	159k	36.93	55.52	-18.59	9.88	Neutral	-	27.05	0.03	0.04	9.81
QP	415.5k	39.33	57.53	-18.20	9.89	Neutral	-	29.44	0.03	0.04	9.82
AV	415.5k	33.64	47.53	-13.89	9.89	Neutral	"Worst"	23.75	0.03	0.04	9.82
QP	3.228M	21.35	56.00	-34.65	10.04	Neutral	-	11.31	0.09	0.10	9.85
AV	3.228M	13.06	46.00	-32.94	10.04	Neutral	-	3.02	0.09	0.10	9.85
QP	6.54M	25.33	60.00	-34.67	10.18	Neutral	-	15.15	0.15	0.14	9.89
AV	6.54M	18.37	50.00	-31.63	10.18	Neutral	-	8.19	0.15	0.14	9.89
QP	8.804M	23.53	60.00	-36.47	10.24	Neutral	-	13.29	0.19	0.15	9.90
AV	8.804M	16.64	50.00	-33.36	10.24	Neutral	-	6.40	0.19	0.15	9.90
QP	12.26M	21.94	60.00	-38.06	10.29	Neutral	-	11.65	0.23	0.16	9.90
AV	12.26M	15.14	50.00	-34.86	10.29	Neutral	-	4.85	0.23	0.16	9.90

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_4TX	9.05M	15.392M	15M4G1D	7.05M	12.794M
802.11g_Nss1,(6Mbps)_4TX	16.35M	23.813M	23M8D1D	15.65M	16.417M
802.11ax HEW20_Nss1,(MCS0)_4TX	19.025M	19.365M	19M4D1D	14.5M	18.791M
802.11ax HEW40_Nss1,(MCS0)_4TX	37.9M	37.981M	38M0D1D	31.05M	37.331M

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

Result

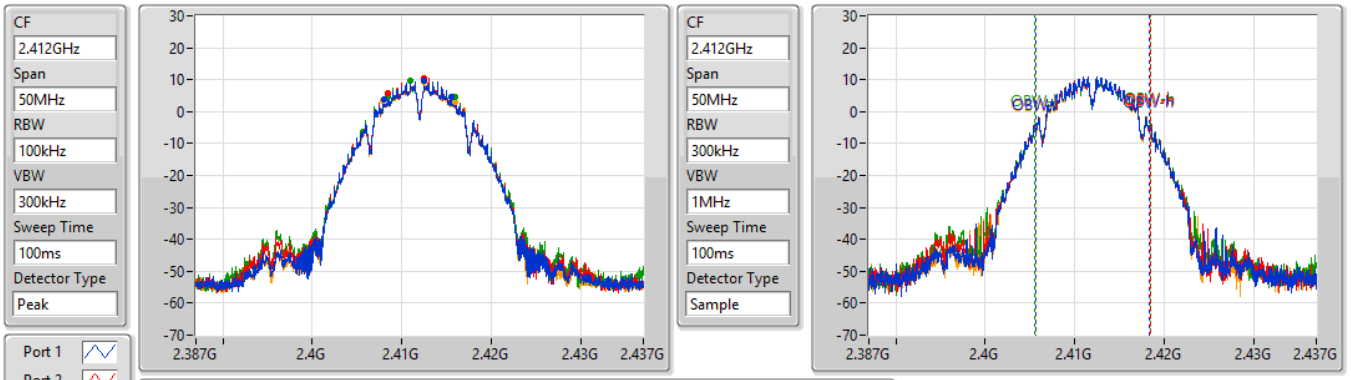
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	7.5M	12.794M	7.05M	12.819M	7.5M	12.944M	8.05M	12.844M
2437MHz	Pass	500k	8.5M	14.343M	9.05M	15.242M	8.55M	15.392M	8.525M	14.768M
2462MHz	Pass	500k	7.1M	12.894M	8.025M	13.093M	7.075M	13.193M	7.1M	13.093M
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	15.925M	16.517M	15.65M	16.542M	16.325M	16.517M	16.3M	16.417M
2437MHz	Pass	500k	15.675M	22.489M	15.95M	22.114M	15.675M	23.813M	16.3M	20.04M
2462MHz	Pass	500k	16.35M	16.542M	15.925M	16.642M	16.275M	16.517M	16.325M	16.442M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	19.025M	19.065M	14.5M	18.816M	18.65M	18.916M	18.975M	18.966M
2437MHz	Pass	500k	17.15M	19.09M	18.5M	19.365M	18.075M	19.19M	18.775M	19.19M
2462MHz	Pass	500k	17.125M	18.791M	18.675M	19.04M	16.825M	18.866M	18.85M	18.966M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	34.45M	37.381M	32.8M	37.581M	36.25M	37.831M	37.65M	37.881M
2437MHz	Pass	500k	34.2M	37.481M	31.05M	37.581M	37.8M	37.881M	37.85M	37.931M
2452MHz	Pass	500k	36.1M	37.331M	31.3M	37.581M	37.65M	37.881M	37.9M	37.981M

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

802.11b_Nss1,(1Mbps)_4TX EBW

2412MHz

09/11/2021

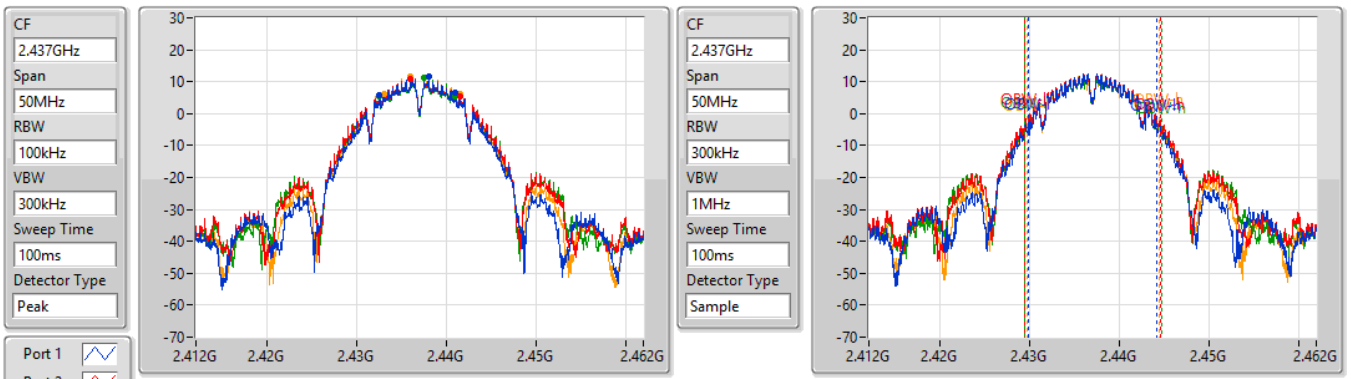


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.5M	2.408025G	2.415525G	12.794M	2.405603G	2.418397G	500k	1
7.05M	2.408475G	2.415525G	12.819M	2.405628G	2.418447G	500k	2
7.5M	2.408475G	2.415975G	12.944M	2.405553G	2.418497G	500k	3
8.05M	2.40795G	2.416G	12.844M	2.405603G	2.418447G	500k	4

802.11b_Nss1,(1Mbps)_4TX EBW

2437MHz

09/11/2021

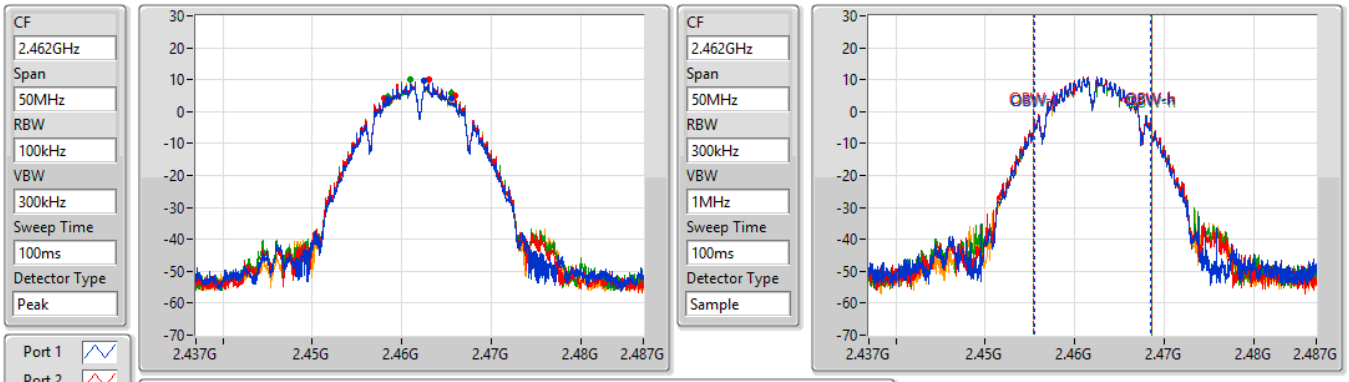


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.5M	2.4325G	2.441G	14.343M	2.429829G	2.444171G	500k	1
9.05M	2.432475G	2.441525G	15.242M	2.429404G	2.444646G	500k	2
8.55M	2.432475G	2.441025G	15.392M	2.429354G	2.444746G	500k	3
8.525M	2.432975G	2.4415G	14.768M	2.429654G	2.444421G	500k	4

802.11b_Nss1,(1Mbps)_4TX EBW

2462MHz

09/11/2021

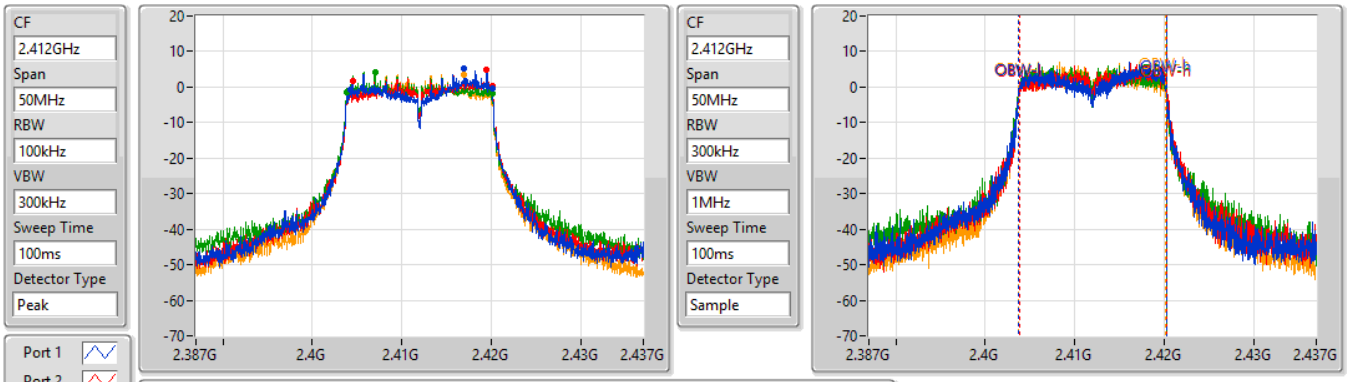


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.1M	2.45845G	2.46555G	12.894M	2.455553G	2.468447G	500k	1
8.025M	2.458G	2.466025G	13.093M	2.455453G	2.468547G	500k	2
7.075M	2.45845G	2.465525G	13.193M	2.455403G	2.468597G	500k	3
7.1M	2.45845G	2.46555G	13.093M	2.455453G	2.468547G	500k	4

802.11g_Nss1,(6Mbps)_4TX EBW

2412MHz

09/11/2021

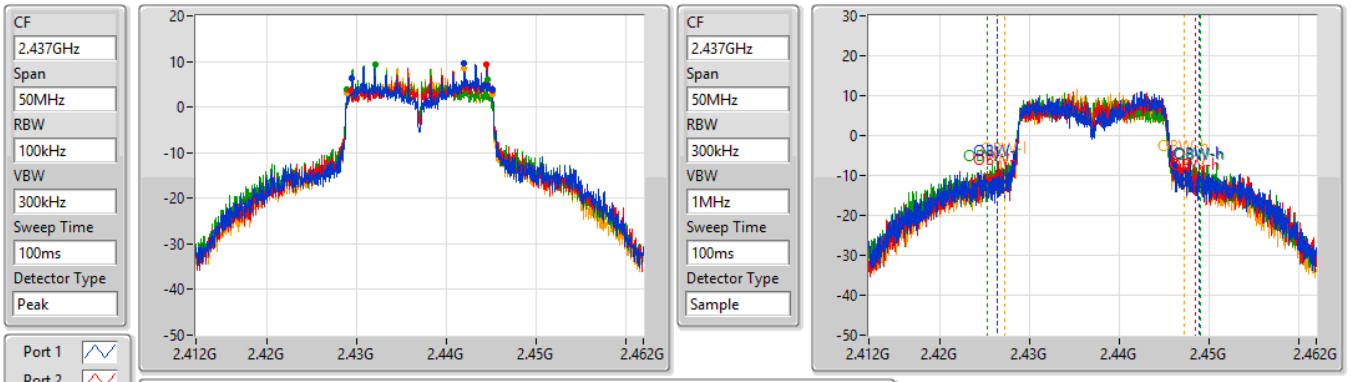


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.925M	2.404225G	2.42015G	16.517M	2.403754G	2.420271G	500k	1
15.65M	2.4045G	2.42015G	16.542M	2.403804G	2.420346G	500k	2
16.325M	2.403825G	2.42015G	16.517M	2.403704G	2.420221G	500k	3
16.3M	2.40385G	2.42015G	16.417M	2.403754G	2.420171G	500k	4

802.11g_Nss1,(6Mbps)_4TX EBW

2437MHz

09/11/2021

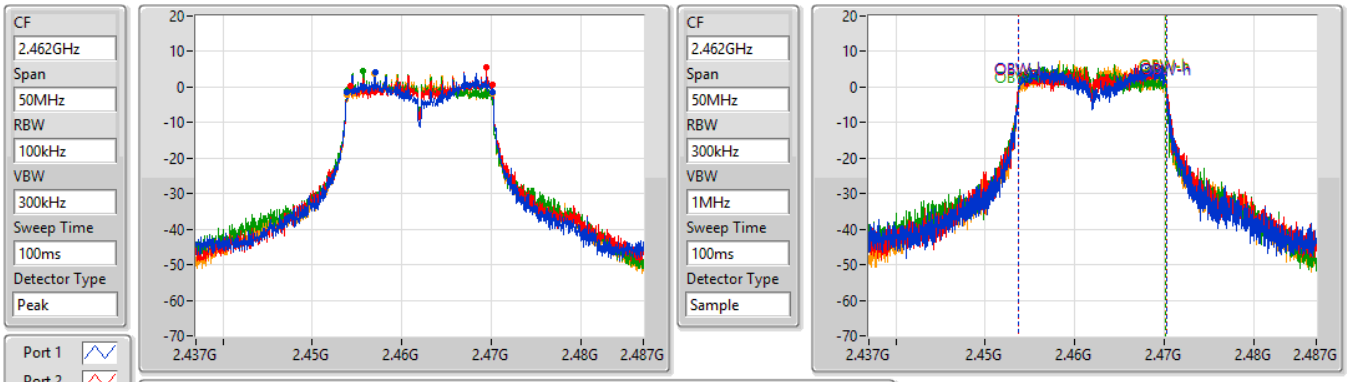


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.675M	2.42945G	2.445125G	22.489M	2.426405G	2.448894G	500k	1
15.95M	2.429225G	2.445175G	22.114M	2.42638G	2.448494G	500k	2
15.675M	2.42885G	2.444525G	23.813M	2.425181G	2.448994G	500k	3
16.3M	2.42885G	2.44515G	20.04M	2.427155G	2.447195G	500k	4

802.11g_Nss1,(6Mbps)_4TX EBW

2462MHz

09/11/2021

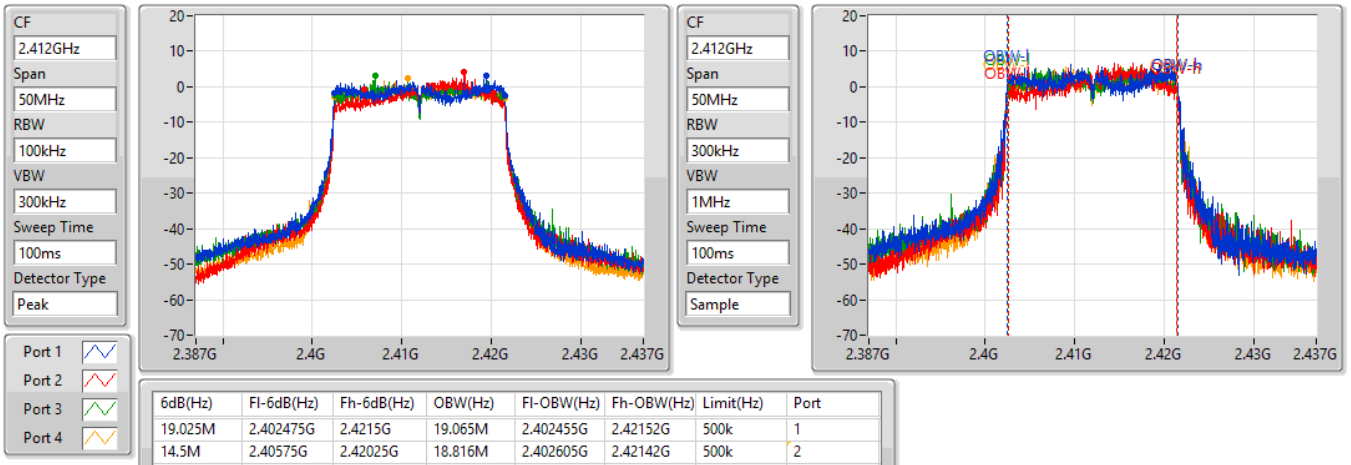


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.453825G	2.470175G	16.542M	2.453729G	2.470271G	500k	1
15.925M	2.454225G	2.47015G	16.642M	2.453704G	2.470346G	500k	2
16.275M	2.453825G	2.4701G	16.517M	2.453679G	2.470196G	500k	3
16.325M	2.453825G	2.47015G	16.442M	2.453754G	2.470196G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

2412MHz

09/11/2021

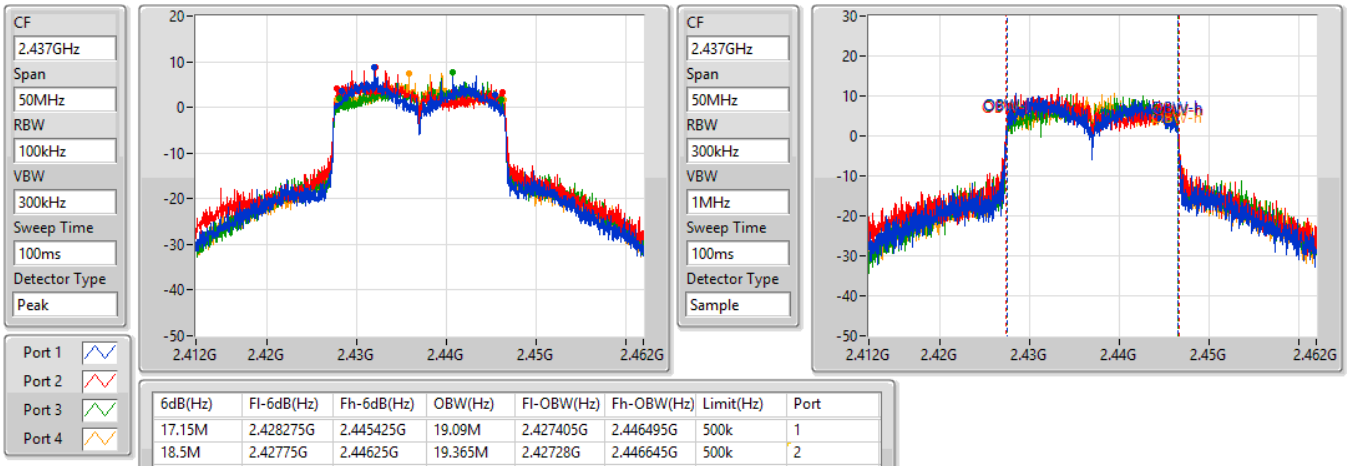


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.025M	2.402475G	2.4215G	19.065M	2.402455G	2.42152G	500k	1
14.5M	2.40575G	2.42025G	18.816M	2.402605G	2.42142G	500k	2
18.65M	2.402625G	2.421275G	18.916M	2.40253G	2.421445G	500k	3
18.975M	2.402525G	2.4215G	18.966M	2.402505G	2.42147G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

2437MHz

09/11/2021

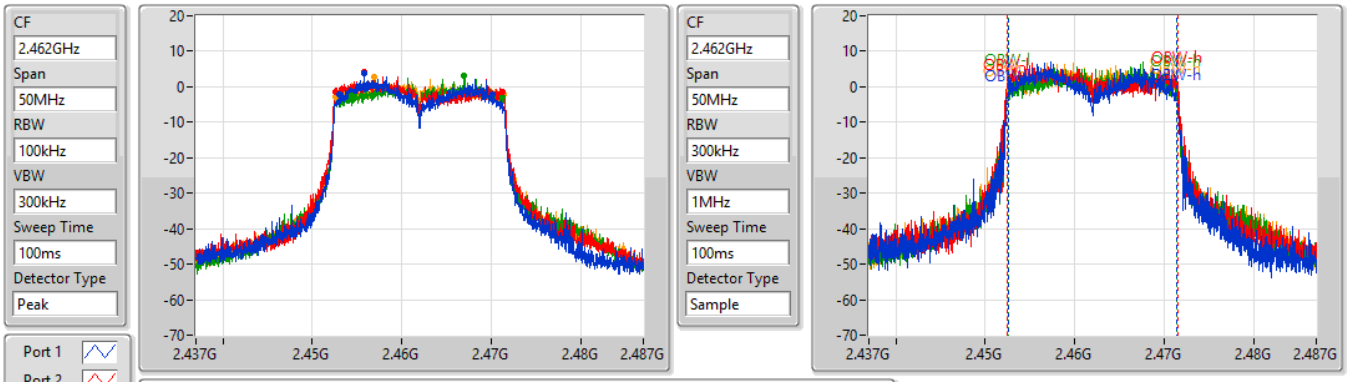


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.15M	2.428275G	2.445425G	19.09M	2.427405G	2.446495G	500k	1
18.5M	2.42775G	2.44625G	19.365M	2.42728G	2.446645G	500k	2
18.075M	2.42805G	2.446125G	19.19M	2.427405G	2.446595G	500k	3
18.775M	2.427675G	2.44645G	19.19M	2.427405G	2.446595G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

2462MHz

09/11/2021

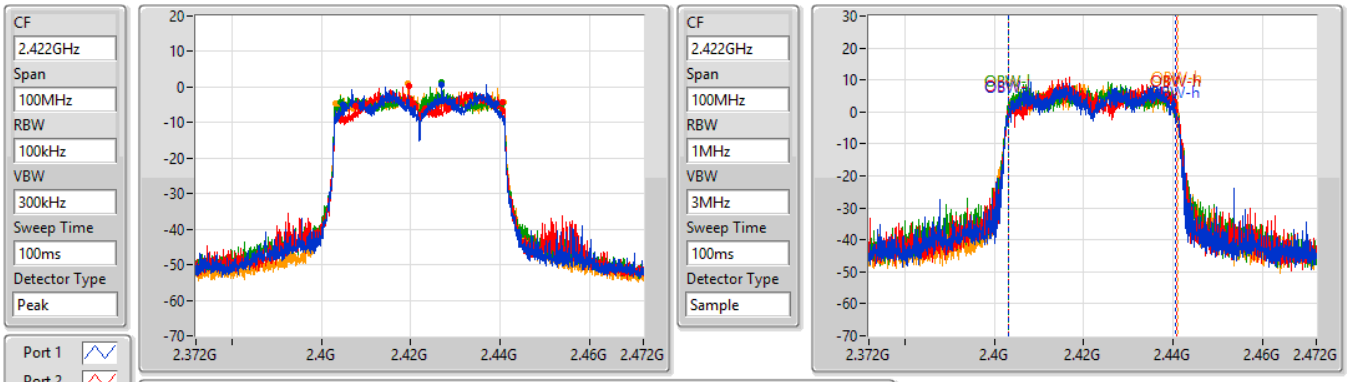


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.125M	2.45305G	2.470175G	18.791M	2.452555G	2.471345G	500k	1
18.675M	2.45255G	2.471225G	19.04M	2.452455G	2.471495G	500k	2
16.825M	2.454375G	2.4712G	18.866M	2.452555G	2.47142G	500k	3
18.85M	2.45255G	2.4714G	18.966M	2.452505G	2.47147G	500k	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

2422MHz

09/11/2021

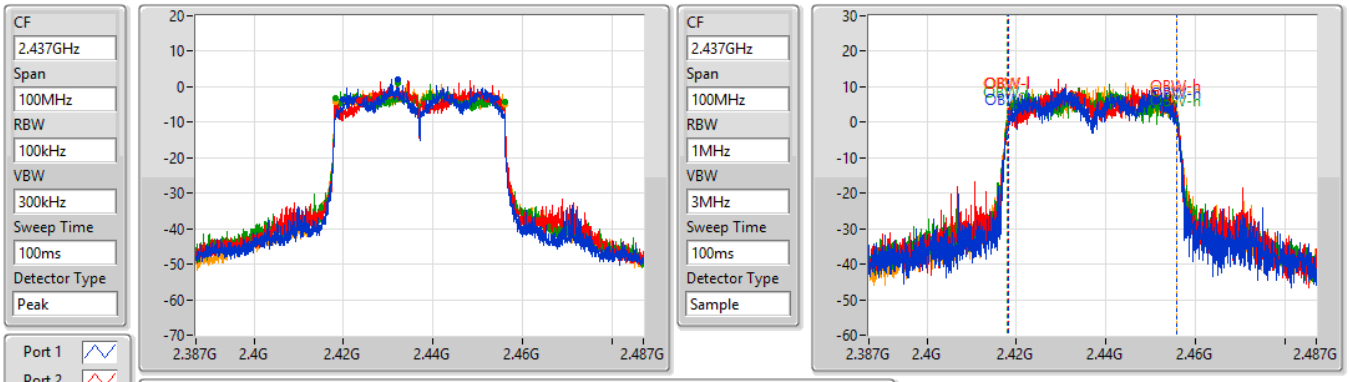


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.45M	2.40475G	2.4392G	37.381M	2.403209G	2.440591G	500k	1
32.8M	2.4076G	2.4404G	37.581M	2.403309G	2.440891G	500k	2
36.25M	2.40435G	2.4406G	37.831M	2.403059G	2.440891G	500k	3
37.65M	2.4032G	2.44085G	37.881M	2.403109G	2.440991G	500k	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

2437MHz

09/11/2021

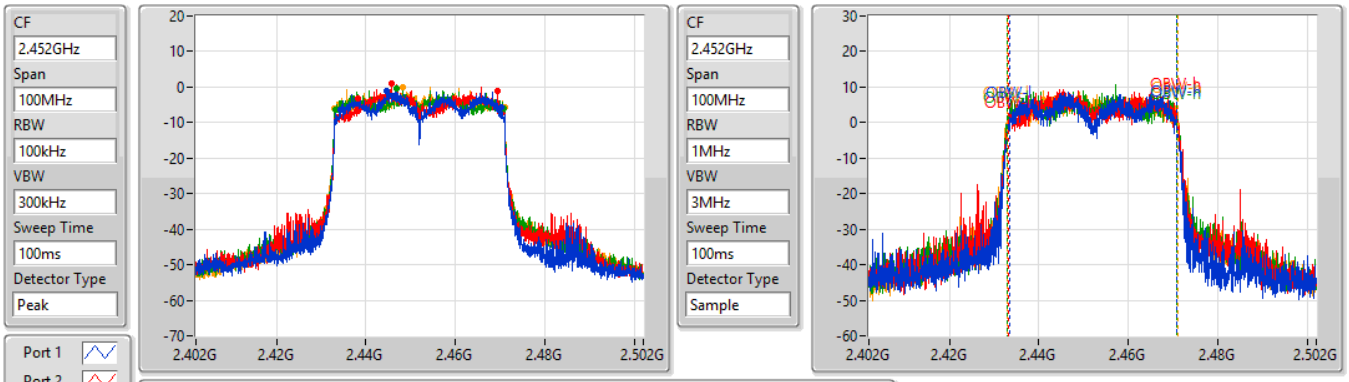


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.2M	2.4198G	2.454G	37.481M	2.418209G	2.455691G	500k	1
31.05M	2.4236G	2.45465G	37.581M	2.418259G	2.455841G	500k	2
37.8M	2.4182G	2.456G	37.881M	2.418009G	2.455891G	500k	3
37.85M	2.4181G	2.45595G	37.931M	2.418009G	2.455941G	500k	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

2452MHz

09/11/2021



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.1M	2.43425G	2.47035G	37.331M	2.433359G	2.470691G	500k	1
31.3M	2.4382G	2.4695G	37.581M	2.433259G	2.470841G	500k	2
37.65M	2.4332G	2.47085G	37.881M	2.433009G	2.470891G	500k	3
37.9M	2.43305G	2.47095G	37.981M	2.433009G	2.470991G	500k	4

For **Non-beamforming mode**
Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_4TX	26.18	0.41495
802.11g_Nss1,(6Mbps)_4TX	25.10	0.32359
802.11ax HEW20_Nss1,(MCS0)_4TX	24.44	0.27797
802.11ax HEW40_Nss1,(MCS0)_4TX	21.19	0.13152

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.02	18.18	18.44	18.34	17.99	24.26	30.00
2437MHz	Pass	3.02	19.86	20.50	19.98	20.27	26.18	30.00
2462MHz	Pass	3.02	18.24	18.45	18.11	18.13	24.26	30.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.02	14.79	15.06	15.15	14.89	21.00	30.00
2417MHz	Pass	3.02	16.90	16.89	16.75	16.83	22.86	30.00
2437MHz	Pass	3.02	19.05	19.12	19.06	19.07	25.10	30.00
2457MHz	Pass	3.02	15.92	16.08	15.87	15.76	21.93	30.00
2462MHz	Pass	3.02	14.89	15.06	15.00	15.02	21.01	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.02	14.54	14.11	14.21	14.30	20.31	30.00
2417MHz	Pass	3.02	15.04	15.34	15.01	15.21	21.17	30.00
2437MHz	Pass	3.02	18.43	18.58	18.17	18.48	24.44	30.00
2457MHz	Pass	3.02	16.20	16.83	16.18	16.51	22.46	30.00
2462MHz	Pass	3.02	13.99	14.45	14.02	14.36	20.23	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	3.02	13.93	14.21	14.38	14.43	20.26	30.00
2437MHz	Pass	3.02	14.76	15.27	15.20	15.42	21.19	30.00
2452MHz	Pass	3.02	13.73	14.26	14.23	14.44	20.19	30.00

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

For beamforming mode

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	24.44	0.27797
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	21.19	0.13152

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.78	14.54	14.11	14.21	14.3	20.31	30.00
2417MHz	Pass	5.78	15.04	15.34	15.01	15.21	21.17	30.00
2437MHz	Pass	5.78	18.43	18.58	18.17	18.48	24.44	30.00
2457MHz	Pass	5.78	16.2	16.83	16.18	16.51	22.46	30.00
2462MHz	Pass	5.78	13.99	14.45	14.02	14.36	20.23	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	5.78	13.93	14.21	14.38	14.43	20.26	30.00
2437MHz	Pass	5.78	14.76	15.27	15.2	15.42	21.19	30.00
2452MHz	Pass	5.78	13.73	14.26	14.23	14.44	20.19	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_4TX	1.54
802.11g_Nss1,(6Mbps)_4TX	-3.64
802.11ax HEW20_Nss1,(MCS0)_4TX	-4.44
802.11ax HEW40_Nss1,(MCS0)_4TX	-9.94

RBW = 3kHz;

Result

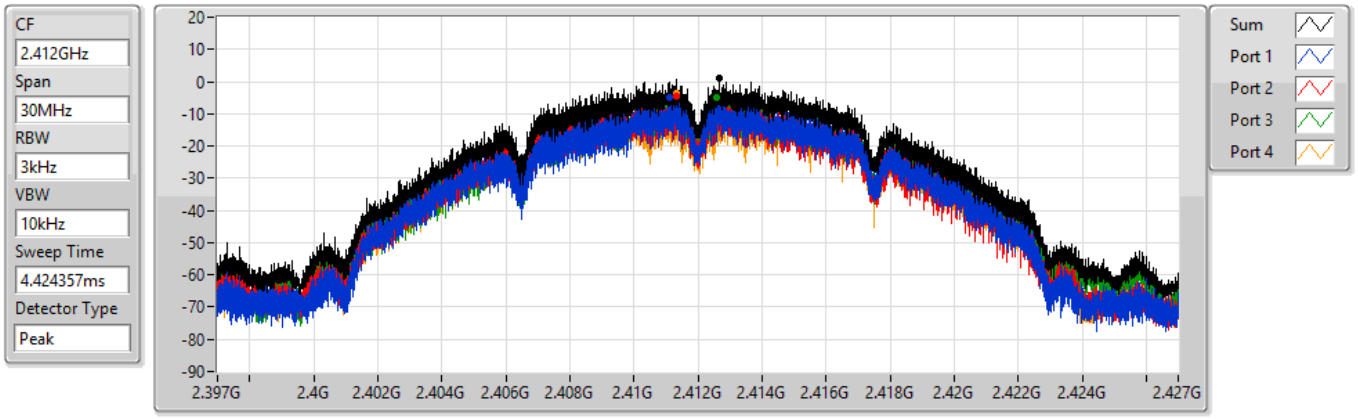
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.78	-5.05	-4.48	-4.73	-3.79	0.95	8.00
2437MHz	Pass	5.78	-3.23	-3.00	-4.78	-3.99	1.54	8.00
2462MHz	Pass	5.78	-5.64	-3.06	-5.31	-6.05	0.38	8.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.78	-11.90	-10.46	-12.00	-12.48	-7.63	8.00
2437MHz	Pass	5.78	-7.82	-7.80	-8.45	-8.14	-3.64	8.00
2462MHz	Pass	5.78	-12.38	-12.04	-12.77	-12.44	-7.76	8.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.78	-12.15	-11.25	-12.55	-12.42	-8.70	8.00
2437MHz	Pass	5.78	-8.29	-6.88	-8.65	-8.09	-4.44	8.00
2462MHz	Pass	5.78	-11.20	-11.22	-12.31	-12.01	-8.01	8.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	5.78	-14.73	-13.55	-14.47	-14.41	-11.07	8.00
2437MHz	Pass	5.78	-11.82	-12.38	-13.92	-12.68	-9.94	8.00
2452MHz	Pass	5.78	-15.11	-13.70	-14.11	-13.24	-10.50	8.00

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

802.11b_Nss1,(1Mbps)_4TX PSD

2412MHz

09/11/2021

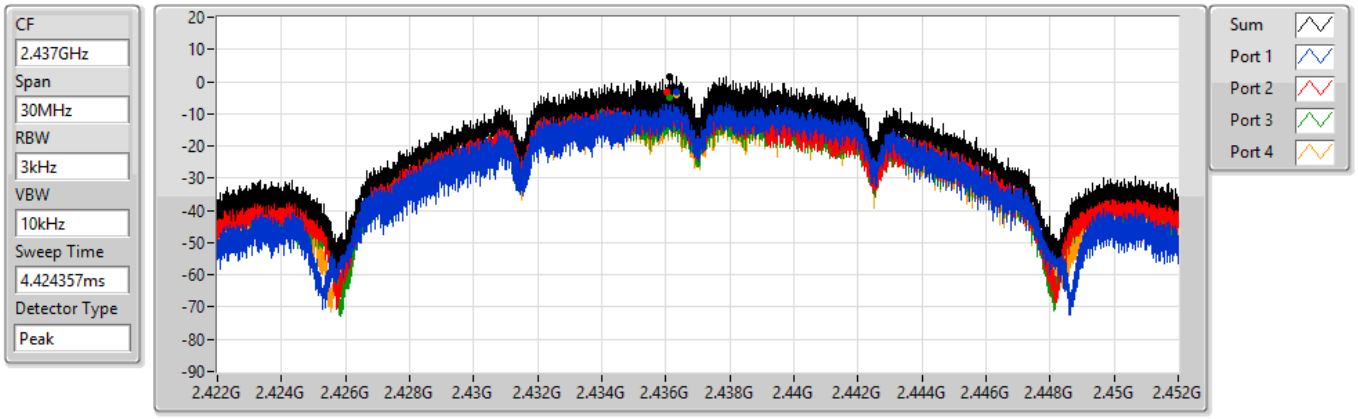


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.95	0.95	-5.05	-4.48	-4.73	-3.79

802.11b_Nss1,(1Mbps)_4TX PSD

2437MHz

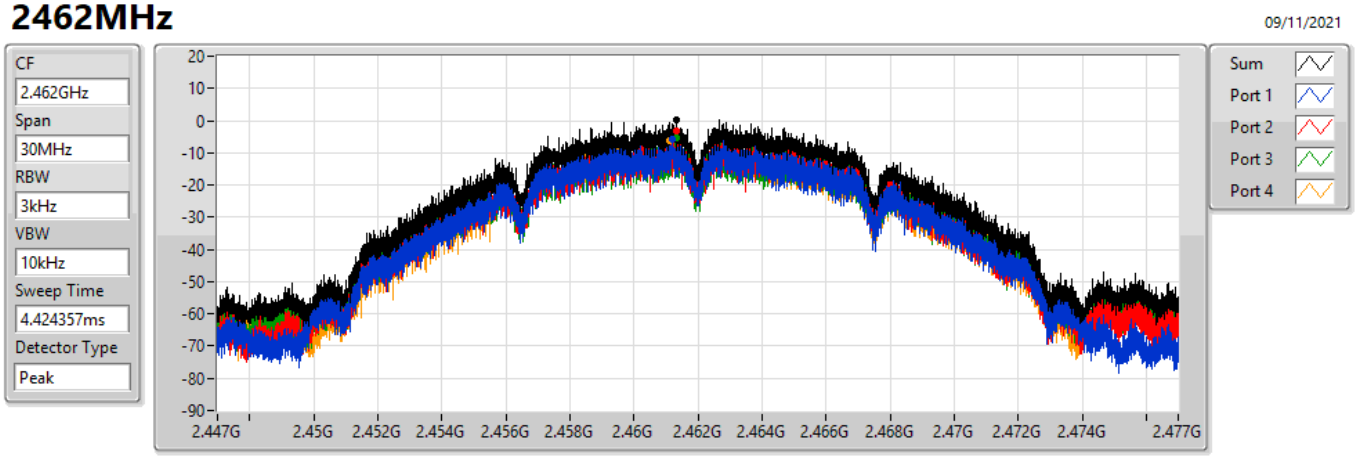
09/11/2021



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.54	1.54	-3.23	-3.00	-4.78	-3.99

802.11b_Nss1,(1Mbps)_4TX PSD

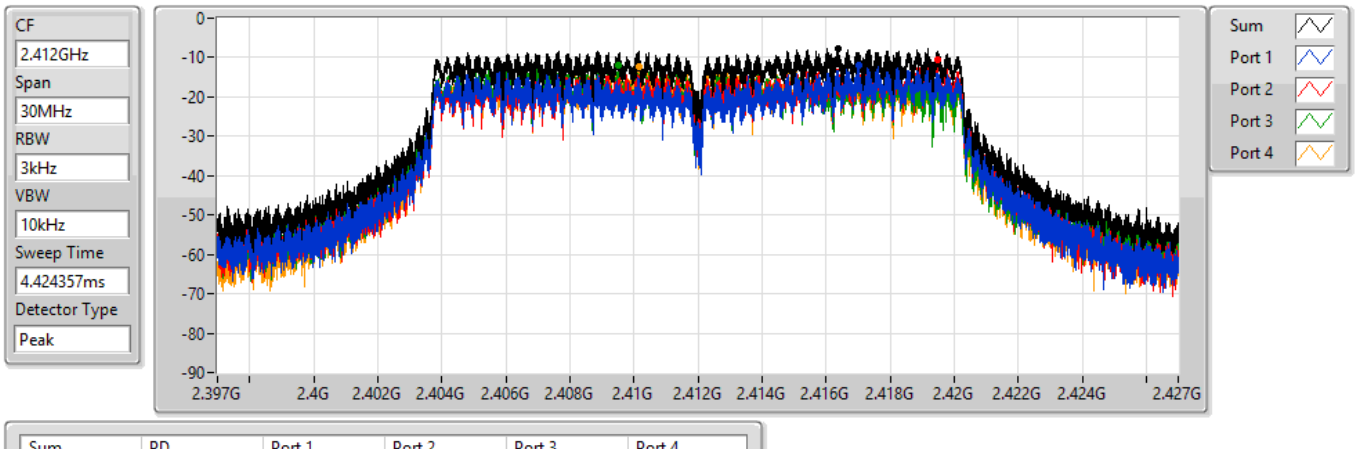
2462MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.38	0.38	-5.64	-3.06	-5.31	-6.05

802.11g_Nss1,(6Mbps)_4TX PSD

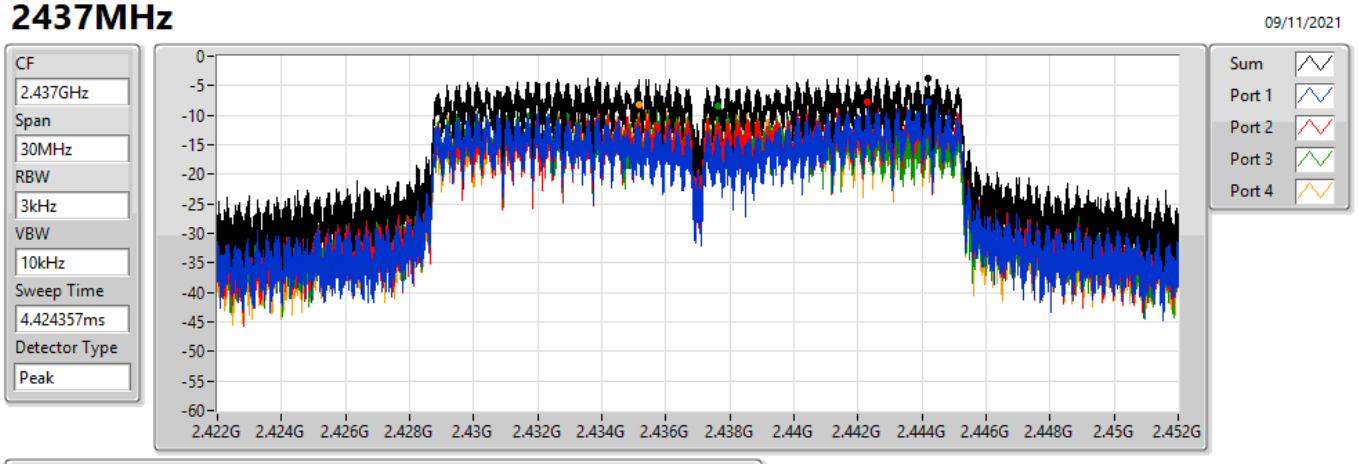
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.63	-7.63	-11.90	-10.46	-12.00	-12.48

802.11g_Nss1,(6Mbps)_4TX PSD

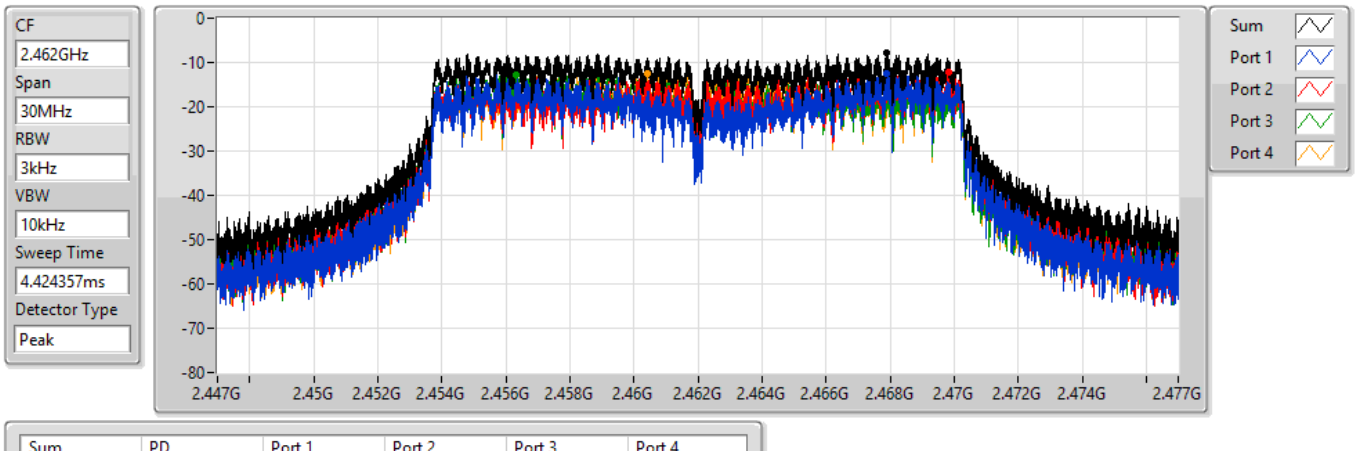
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.64	-3.64	-7.82	-7.80	-8.45	-8.14

802.11g_Nss1,(6Mbps)_4TX PSD

2462MHz

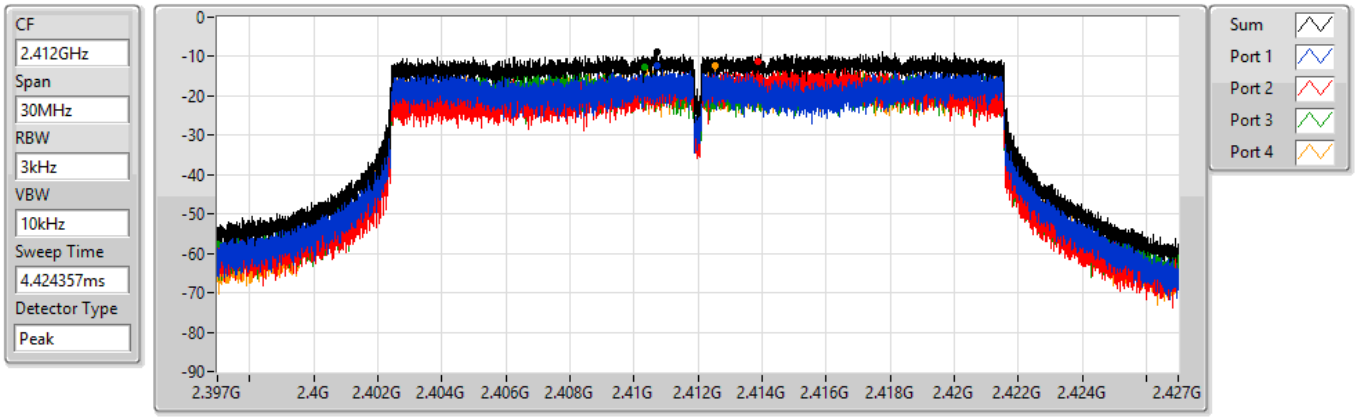


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.76	-7.76	-12.38	-12.04	-12.77	-12.44

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

2412MHz

09/11/2021

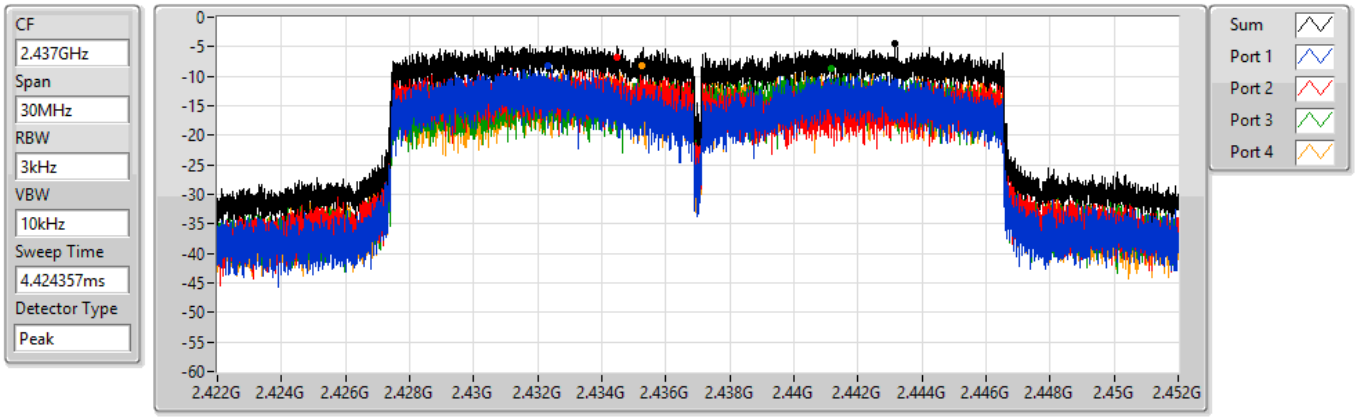


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.70	-8.70	-12.15	-11.25	-12.55	-12.42

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

2437MHz

09/11/2021

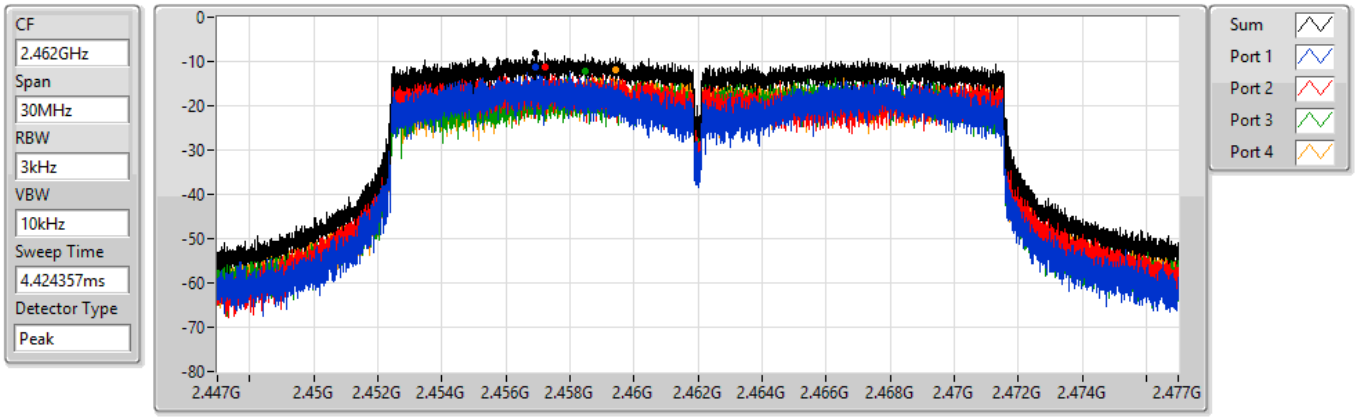


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.44	-4.44	-8.29	-6.88	-8.65	-8.09

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

2462MHz

09/11/2021

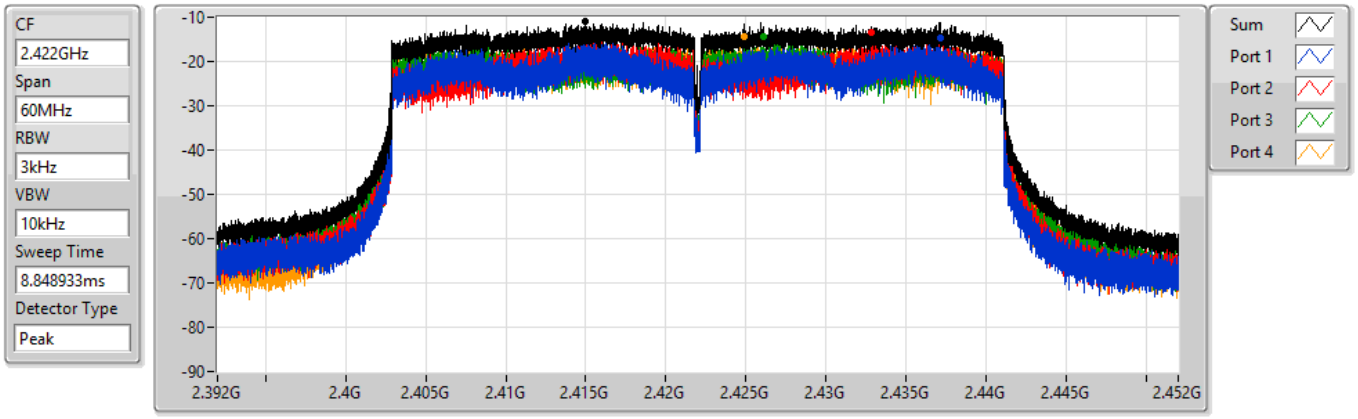


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.01	-8.01	-11.20	-11.22	-12.31	-12.01

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

2422MHz

09/11/2021

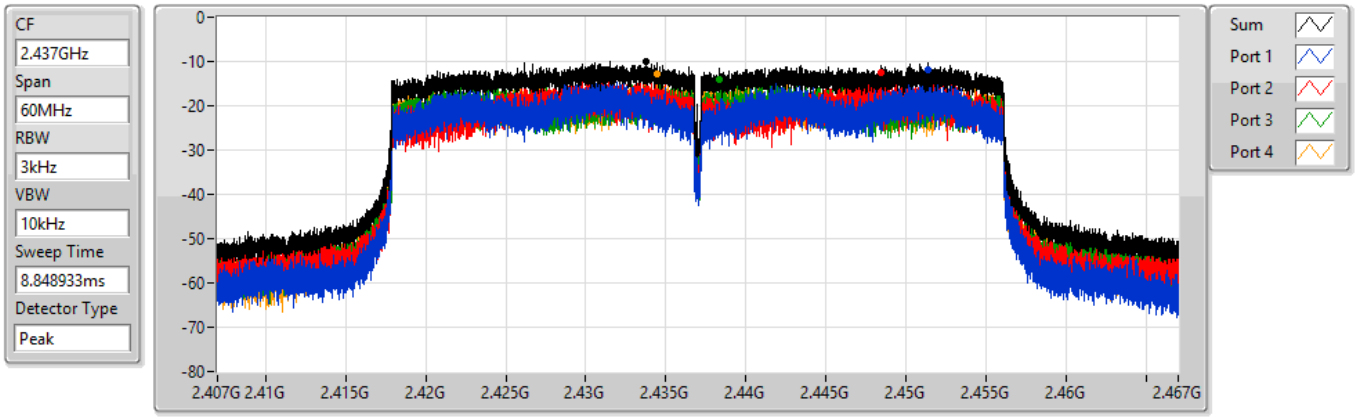


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.07	-11.07	-14.73	-13.55	-14.47	-14.41

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

2437MHz

09/11/2021

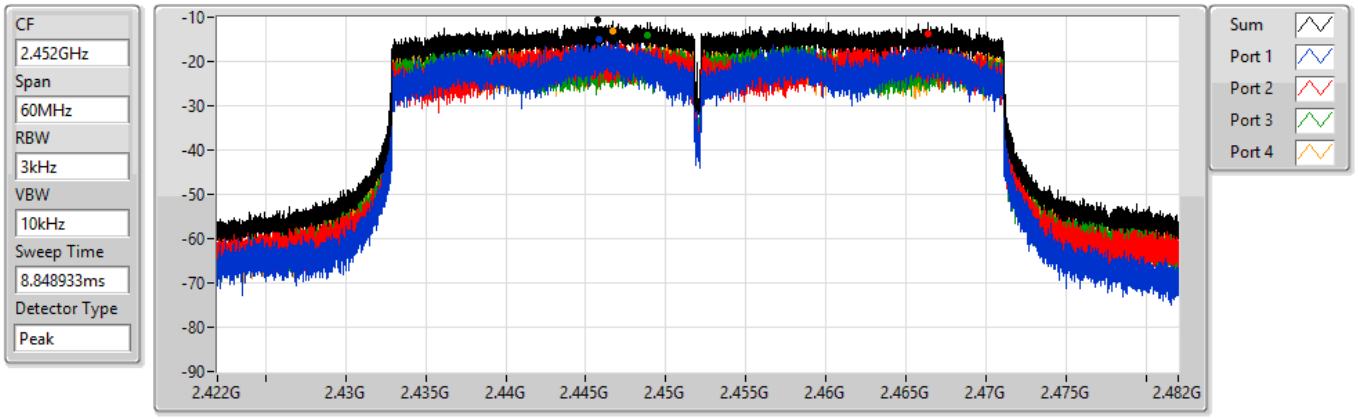


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.94	-9.94	-11.82	-12.38	-13.92	-12.68

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

2452MHz

09/11/2021



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.50	-10.50	-15.11	-13.70	-14.11	-13.24

Summary

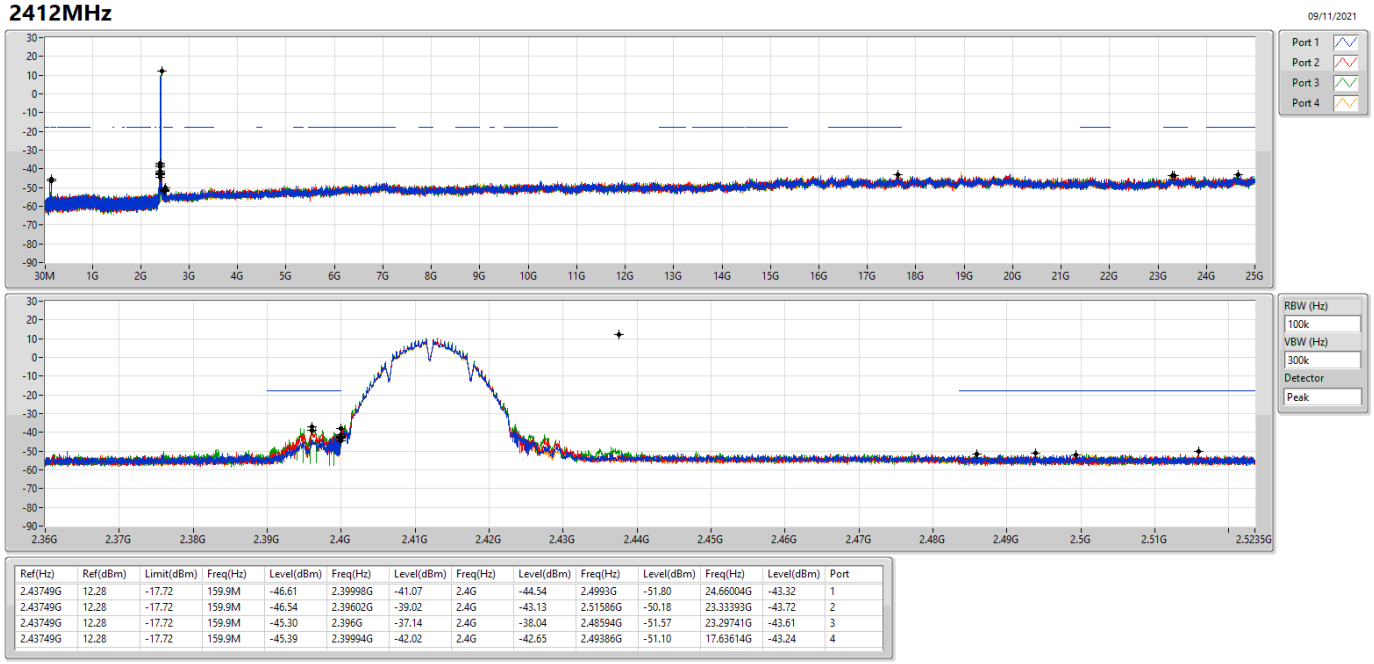
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_4TX	Pass	2.43749G	12.28	-17.72	159.9M	-45.30	2.396G	-37.14	2.4G	-38.04	2.48594G	-51.57	23.29741G	-43.61	3
802.11g_Nss1,(6Mbps)_4TX	Pass	2.442G	9.96	-20.04	159.9M	-45.93	2.39984G	-31.31	2.4G	-32.14	2.51116G	-51.77	23.54746G	-43.07	3
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	2.43198G	9.19	-20.81	159.9M	-45.95	2.39978G	-33.04	2.4G	-34.90	2.50272G	-50.99	23.51374G	-43.93	1
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	2.43198G	3.00	-27.00	159.96M	-45.55	2.39896G	-49.85	2.4835G	-41.71	2.4847G	-35.19	24.63821G	-42.64	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)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43749G	12.28	-17.72	159.9M	-46.61	2.39998G	-41.07	2.4G	-44.54	2.4993G	-51.80	24.66004G	-43.32	1
2412MHz	Pass	2.43749G	12.28	-17.72	159.9M	-46.54	2.39602G	-39.02	2.4G	-43.13	2.51586G	-50.18	23.33393G	-43.72	2
2412MHz	Pass	2.43749G	12.28	-17.72	159.9M	-45.30	2.396G	-37.14	2.4G	-38.04	2.48594G	-51.57	23.29741G	-43.61	3
2412MHz	Pass	2.43749G	12.28	-17.72	159.9M	-45.39	2.39994G	-42.02	2.4G	-42.65	2.49386G	-51.10	17.63614G	-43.24	4
2437MHz	Pass	2.43749G	12.28	-17.72	159.9M	-45.94	2.39898G	-44.45	2.4G	-50.20	2.48408G	-48.11	24.76681G	-43.36	1
2437MHz	Pass	2.43749G	12.28	-17.72	159.9M	-46.54	2.39698G	-39.59	2.4835G	-49.51	2.48746G	-46.29	24.646G	-43.28	2
2437MHz	Pass	2.43749G	12.28	-17.72	159.9M	-45.88	2.397G	-40.99	2.4835G	-48.48	2.4875G	-46.82	16.24821G	-43.65	3
2437MHz	Pass	2.43749G	12.28	-17.72	159.9M	-46.45	2.39752G	-44.11	2.4835G	-51.37	2.48796G	-49.05	16.59098G	-43.84	4
2462MHz	Pass	2.43749G	12.28	-17.72	159.9M	-45.74	2.39516G	-52.07	2.4835G	-51.41	2.48654G	-48.26	16.29598G	-43.28	1
2462MHz	Pass	2.43749G	12.28	-17.72	159.9M	-45.20	2.39704G	-52.59	2.4835G	-52.36	2.4838G	-51.10	23.43507G	-44.05	2
2462MHz	Pass	2.43749G	12.28	-17.72	159.9M	-45.40	2.39686G	-51.18	2.4835G	-52.95	2.48646G	-50.35	17.24561G	-43.84	3
2462MHz	Pass	2.43749G	12.28	-17.72	159.9M	-46.98	2.39338G	-51.86	2.4835G	-53.54	2.50474G	-51.49	15.2761G	-44.14	4
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.442G	9.96	-20.04	159.9M	-46.93	2.39702G	-34.93	2.4G	-36.42	2.5014G	-50.46	16.24259G	-42.93	1
2412MHz	Pass	2.442G	9.96	-20.04	159.9M	-47.03	2.39982G	-32.29	2.4G	-35.31	2.48732G	-51.75	17.60242G	-43.98	2
2412MHz	Pass	2.442G	9.96	-20.04	159.9M	-45.93	2.39984G	-31.31	2.4G	-32.14	2.51116G	-51.77	23.54746G	-43.07	3
2412MHz	Pass	2.442G	9.96	-20.04	159.9M	-46.26	2.4G	-34.64	2.4G	-38.39	2.51514G	-51.65	23.29179G	-43.16	4
2437MHz	Pass	2.442G	9.96	-20.04	159.9M	-45.51	2.39578G	-36.04	2.4G	-37.96	2.4845G	-40.31	16.98432G	-43.69	1
2437MHz	Pass	2.442G	9.96	-20.04	159.9M	-46.02	2.39978G	-35.24	2.4G	-39.09	2.48358G	-40.40	16.31002G	-43.13	2
2437MHz	Pass	2.442G	9.96	-20.04	159.9M	-46.60	2.39698G	-35.51	2.4G	-40.16	2.48452G	-41.73	24.96629G	-43.43	3
2437MHz	Pass	2.442G	9.96	-20.04	159.9M	-44.90	2.397G	-36.34	2.4G	-38.75	2.48356G	-42.64	24.55047G	-43.37	4
2462MHz	Pass	2.442G	9.96	-20.04	159.9M	-45.08	2.39472G	-50.67	2.4835G	-45.72	2.48978G	-41.86	24.99157G	-43.75	1
2462MHz	Pass	2.442G	9.96	-20.04	159.9M	-45.99	2.39632G	-52.49	2.4835G	-42.30	2.4845G	-41.03	24.92695G	-42.64	2
2462MHz	Pass	2.442G	9.96	-20.04	159.9M	-47.47	2.39484G	-52.04	2.4835G	-44.76	2.48354G	-43.73	24.98876G	-42.92	3
2462MHz	Pass	2.442G	9.96	-20.04	159.9M	-45.53	2.39808G	-52.17	2.4835G	-46.08	2.48356G	-43.69	23.25245G	-43.51	4
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43198G	9.19	-20.81	159.9M	-45.95	2.39978G	-33.04	2.4G	-34.90	2.50272G	-50.99	23.51374G	-43.93	1
2412MHz	Pass	2.43198G	9.19	-20.81	159.9M	-46.00	2.39966G	-35.60	2.4G	-39.05	2.48608G	-51.30	16.23978G	-43.42	2
2412MHz	Pass	2.43198G	9.19	-20.81	159.9M	-46.31	2.39984G	-34.42	2.4G	-35.80	2.50848G	-51.15	24.99438G	-43.47	3
2412MHz	Pass	2.43198G	9.19	-20.81	159.9M	-45.56	2.39994G	-35.85	2.4G	-36.76	2.50654G	-51.61	16.2145G	-44.16	4
2437MHz	Pass	2.43198G	9.19	-20.81	159.9M	-45.76	2.39924G	-36.43	2.4G	-39.55	2.48406G	-43.23	16.29598G	-43.21	1
2437MHz	Pass	2.43198G	9.19	-20.81	159.9M	-45.71	2.39978G	-35.54	2.4G	-39.23	2.48486G	-42.13	24.57857G	-43.63	2
2437MHz	Pass	2.43198G	9.19	-20.81	159.9M	-46.18	2.39964G	-37.25	2.4G	-39.40	2.48516G	-43.86	24.80895G	-44.13	3
2437MHz	Pass	2.43198G	9.19	-20.81	159.9M	-46.23	2.39944G	-38.71	2.4G	-40.17	2.48556G	-44.89	16.55726G	-43.35	4
2462MHz	Pass	2.43198G	9.19	-20.81	159.9M	-45.55	2.39818G	-52.41	2.4835G	-48.46	2.48402G	-45.06	24.34537G	-44.11	1
2462MHz	Pass	2.43198G	9.19	-20.81	159.9M	-45.04	2.39078G	-52.16	2.4835G	-46.69	2.4835G	-42.78	16.24821G	-43.07	2
2462MHz	Pass	2.43198G	9.19	-20.81	159.9M	-47.88	2.39668G	-52.50	2.4835G	-46.46	2.48394G	-42.69	24.64319G	-43.89	3
2462MHz	Pass	2.43198G	9.19	-20.81	159.9M	-44.78	2.39782G	-51.20	2.4835G	-45.99	2.48414G	-44.55	24.95505G	-43.23	4
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43198G	3.00	-27.00	159.96M	-45.77	2.397G	-37.10	2.4G	-42.57	2.4843G	-51.82	23.32568G	-43.93	1
2422MHz	Pass	2.43198G	3.00	-27.00	159.96M	-44.97	2.39452G	-36.81	2.4G	-38.19	2.49598G	-51.35	24.95232G	-44.14	2
2422MHz	Pass	2.43198G	3.00	-27.00	159.96M	-47.08	2.39988G	-37.52	2.4G	-40.93	2.4909G	-51.44	23.22471G	-43.99	3
2422MHz	Pass	2.43198G	3.00	-27.00	159.96M	-45.93	2.39952G	-39.83	2.4G	-38.26	2.48642G	-51.64	24.99439G	-43.89	4
2437MHz	Pass	2.43198G	3.00	-27.00	159.96M	-45.46	2.39988G	-41.72	2.4G	-42.55	2.4845G	-44.18	24.72796G	-43.18	1
2437MHz	Pass	2.43198G	3.00	-27.00	159.96M	-45.82	2.39964G	-39.73	2.4G	-43.49	2.48478G	-45.64	24.57932G	-43.43	2
2437MHz	Pass	2.43198G	3.00	-27.00	159.96M	-46.63	2.39784G	-38.80	2.4G	-39.95	2.48478G	-44.17	24.95513G	-44.21	3
2437MHz	Pass	2.43198G	3.00	-27.00	159.96M	-45.51	2.39964G	-40.89	2.4G	-44.65	2.48482G	-46.91	24.60456G	-43.30	4
2452MHz	Pass	2.43198G	3.00	-27.00	159.96M	-45.95	2.39828G	-49.88	2.4835G	-48.38	2.48498G	-38.04	24.96635G	-43.63	1
2452MHz	Pass	2.43198G	3.00	-27.00	159.96M	-45.55	2.39896G	-49.85	2.4835G	-41.71	2.4847G	-35.19	24.63821G	-42.64	2
2452MHz	Pass	2.43198G	3.00	-27.00	159.96M	-46.33	2.39624G	-49.05	2.4835G	-43.62	2.48394G	-40.70	16.26379G	-43.53	3
2452MHz	Pass	2.43198G	3.00	-27.00	159.96M	-45.84	2.39408G	-50.57	2.4835G	-43.72	2.4845G	-41.38	23.59491G	-42.32	4

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

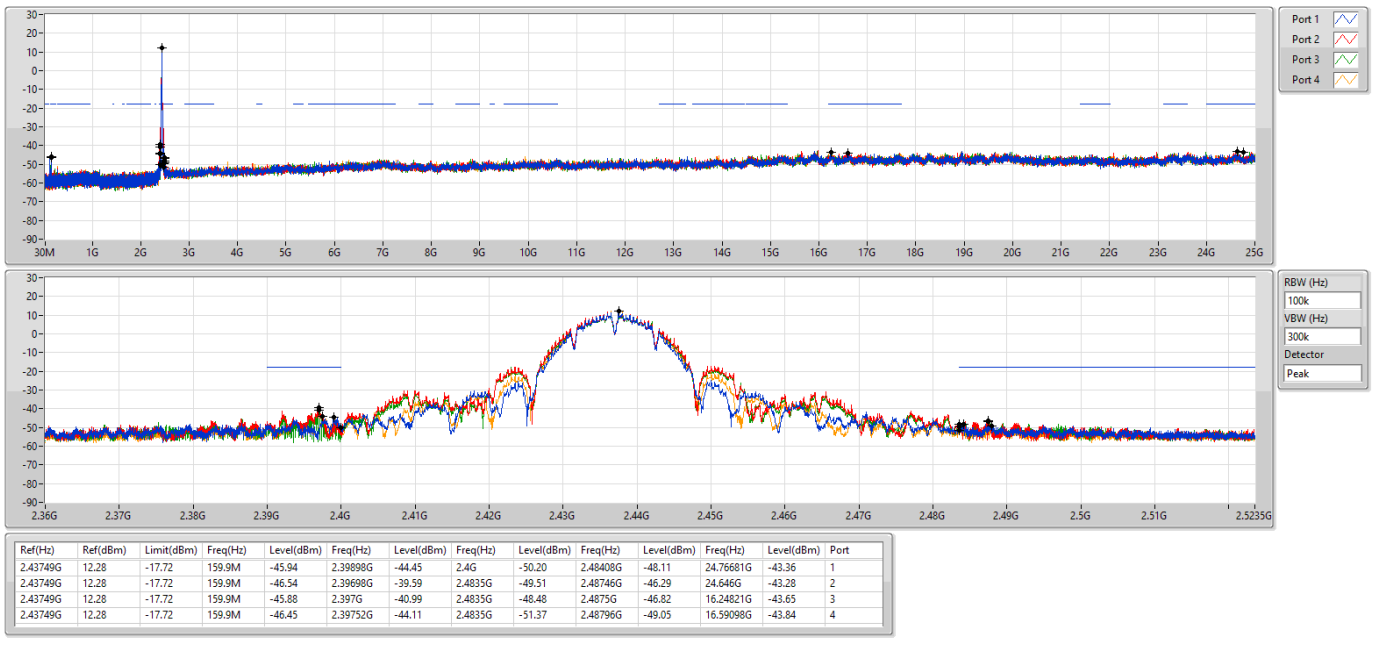
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43749G	12.28	-17.72	159.9M	-46.61	2.39998G	-41.07	2.4G	-44.54	2.4993G	-51.80	24.66004G	-43.32	1
2.43749G	12.28	-17.72	159.9M	-46.54	2.39602G	-39.02	2.4G	-43.13	2.51586G	-50.18	23.33393G	-43.72	2
2.43749G	12.28	-17.72	159.9M	-45.30	2.396G	-37.14	2.4G	-38.04	2.48594G	-51.57	23.29741G	-43.61	3
2.43749G	12.28	-17.72	159.9M	-45.39	2.39994G	-42.02	2.4G	-42.65	2.49386G	-51.10	17.63614G	-43.24	4

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

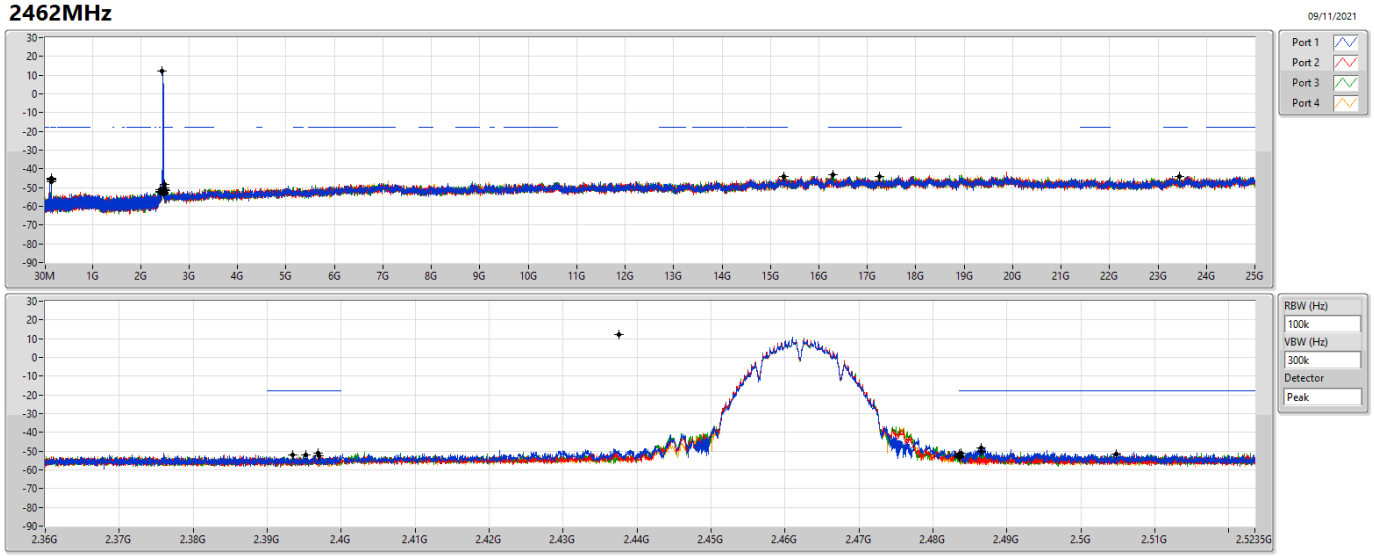
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43749G	12.28	-17.72	159.9M	-45.94	2.39898G	-44.45	2.4G	-50.20	2.48408G	-48.11	24.76681G	-43.36	1
2.43749G	12.28	-17.72	159.9M	-46.54	2.39698G	-39.59	2.4835G	-49.51	2.48746G	-46.29	24.646G	-43.28	2
2.43749G	12.28	-17.72	159.9M	-45.88	2.397G	-40.99	2.4835G	-48.48	2.4875G	-46.82	16.24821G	-43.65	3
2.43749G	12.28	-17.72	159.9M	-46.45	2.39752G	-44.11	2.4835G	-51.37	2.48796G	-49.05	16.59098G	-43.84	4

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

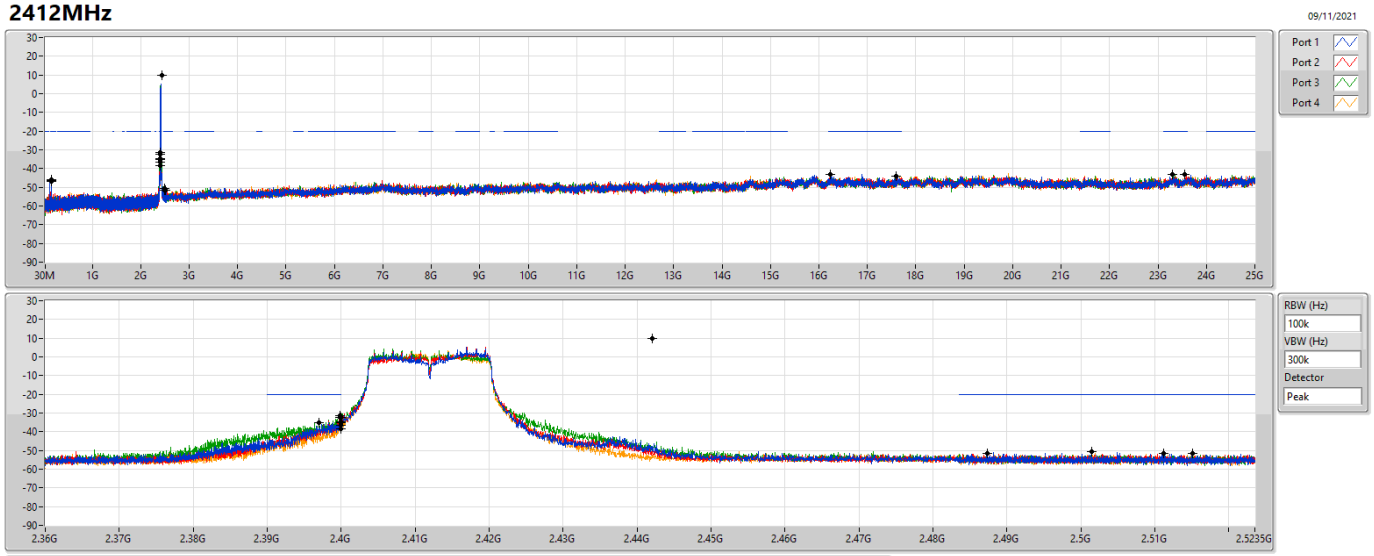
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43749G	12.28	-17.72	159.9M	-45.74	2.39516G	-52.07	2.4835G	-51.41	2.48654G	-48.26	16.29598G	-43.28	1
2.43749G	12.28	-17.72	159.9M	-45.20	2.39704G	-52.59	2.4835G	-52.36	2.4838G	-51.10	23.43507G	-44.05	2
2.43749G	12.28	-17.72	159.9M	-45.40	2.39686G	-51.18	2.4835G	-52.95	2.48646G	-50.35	17.24561G	-43.84	3
2.43749G	12.28	-17.72	159.9M	-46.98	2.39338G	-51.86	2.4835G	-53.54	2.50474G	-51.49	15.2761G	-44.14	4

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

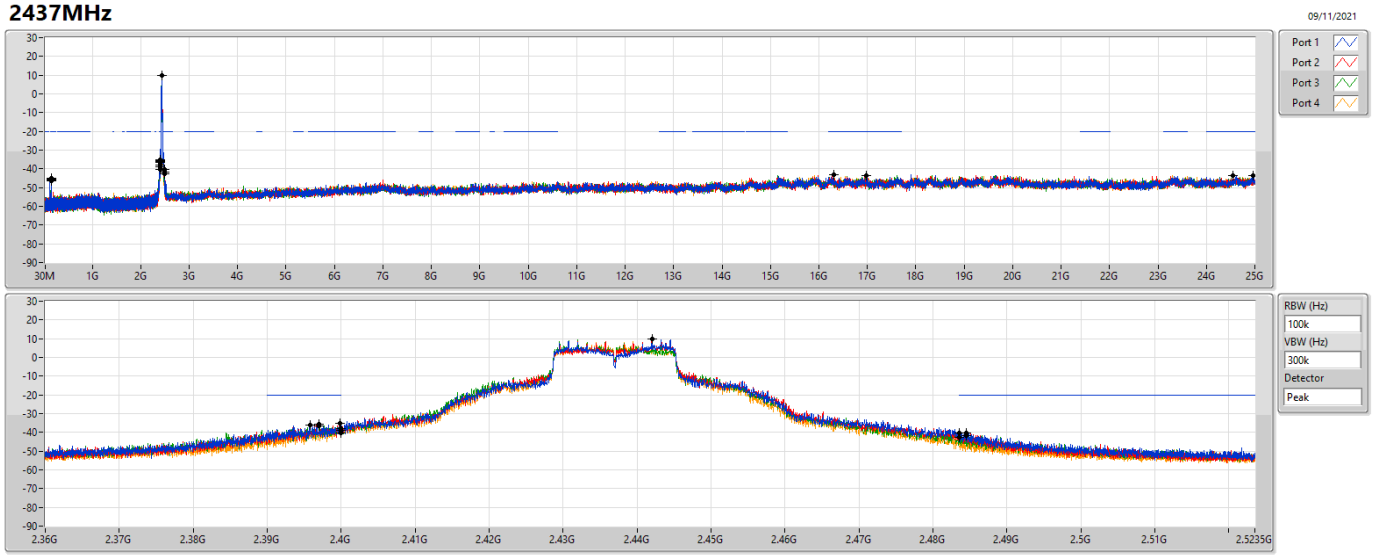
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	9.96	-20.04	159.9M	-46.93	2.39702G	-34.93	2.4G	-36.42	2.5014G	-50.46	16.24259G	-42.93	1
2.442G	9.96	-20.04	159.9M	-47.03	2.39982G	-32.29	2.4G	-35.31	2.48732G	-51.75	17.60242G	-43.98	2
2.442G	9.96	-20.04	159.9M	-45.93	2.39984G	-31.31	2.4G	-32.14	2.51116G	-51.77	23.54746G	-43.07	3
2.442G	9.96	-20.04	159.9M	-46.26	2.4G	-34.64	2.4G	-38.39	2.51514G	-51.65	23.29179G	-43.16	4

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

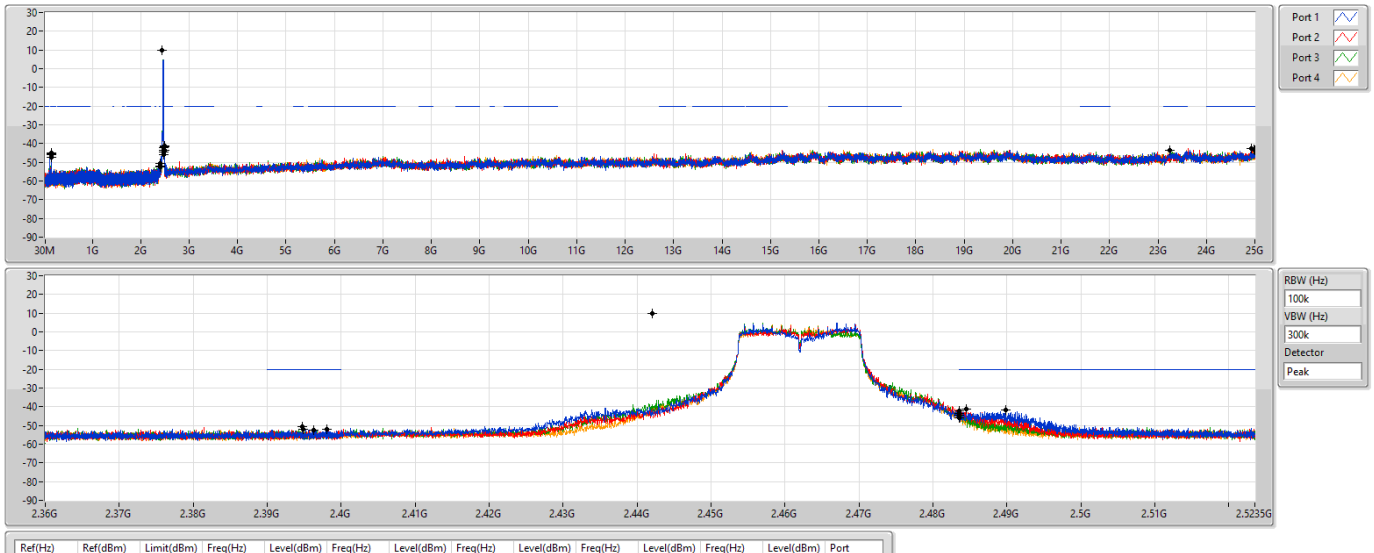
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	9.96	-20.04	159.9M	-45.51	2.39578G	-36.04	2.4G	-37.96	2.4845G	-40.31	16.98432G	-43.69	1
2.442G	9.96	-20.04	159.9M	-46.02	2.39978G	-35.24	2.4G	-39.09	2.48358G	-40.40	16.31002G	-43.13	2
2.442G	9.96	-20.04	159.9M	-46.60	2.39698G	-35.51	2.4G	-40.16	2.48452G	-41.73	24.96629G	-43.43	3
2.442G	9.96	-20.04	159.9M	-44.90	2.397G	-36.34	2.4G	-38.75	2.48356G	-42.64	24.55047G	-43.37	4

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

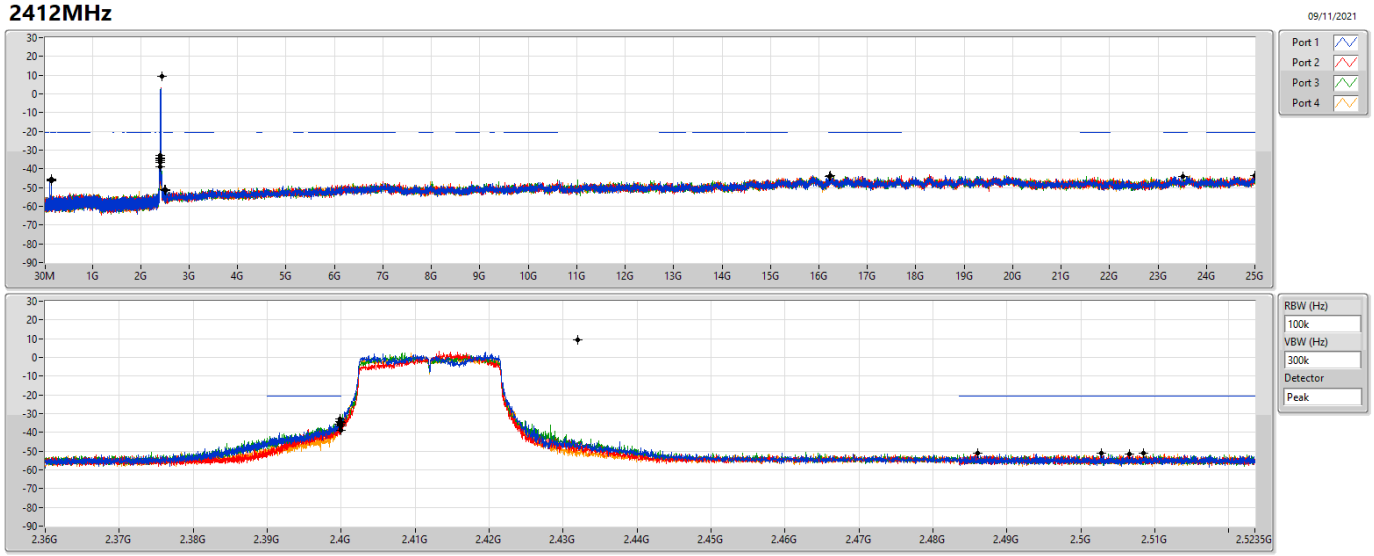
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	9.96	-20.04	159.9M	-45.08	2.39472G	-50.67	2.4835G	-45.72	2.48978G	-41.86	24.99157G	-43.75	1
2.442G	9.96	-20.04	159.9M	-45.99	2.39632G	-52.49	2.4835G	-42.30	2.4845G	-41.03	24.92695G	-42.64	2
2.442G	9.96	-20.04	159.9M	-47.47	2.39484G	-52.04	2.4835G	-44.76	2.48354G	-43.73	24.98876G	-42.92	3
2.442G	9.96	-20.04	159.9M	-45.53	2.39808G	-52.17	2.4835G	-46.08	2.48356G	-43.69	23.25245G	-43.51	4

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

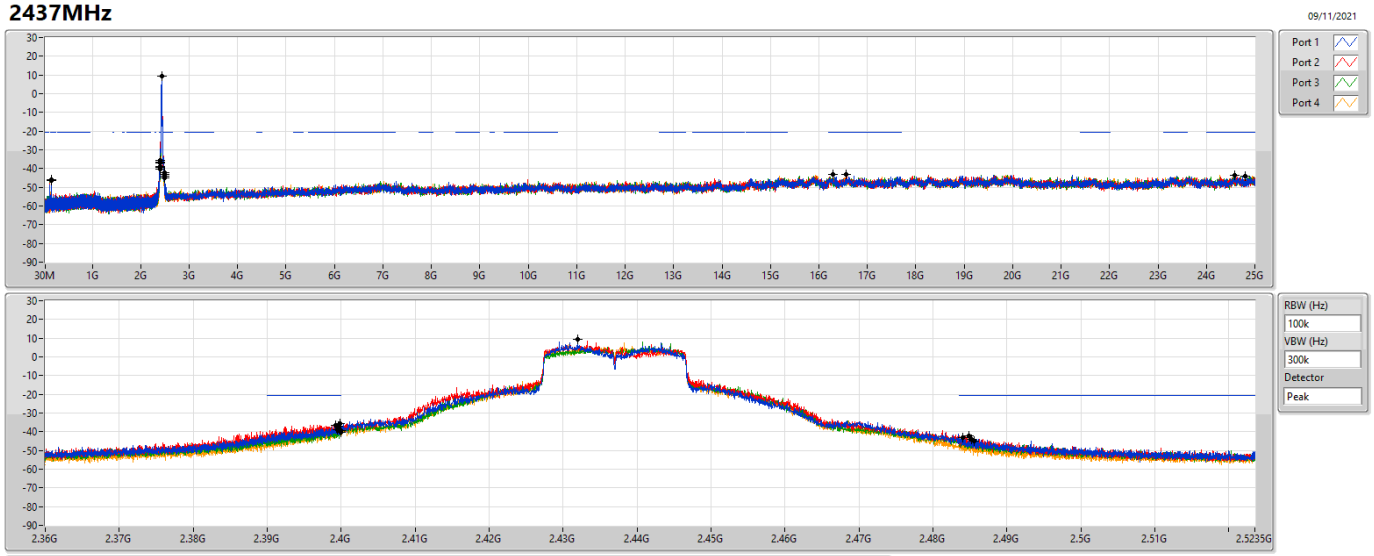
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	9.19	-20.81	159.9M	-45.95	2.39978G	-33.04	2.4G	-34.90	2.50272G	-50.99	23.51374G	-43.93	1
2.43198G	9.19	-20.81	159.9M	-46.00	2.39966G	-35.60	2.4G	-39.05	2.48608G	-51.30	16.23978G	-43.42	2
2.43198G	9.19	-20.81	159.9M	-46.31	2.39984G	-34.42	2.4G	-35.80	2.50848G	-51.15	24.99438G	-43.47	3
2.43198G	9.19	-20.81	159.9M	-45.56	2.39994G	-35.85	2.4G	-36.76	2.50654G	-51.61	16.2145G	-44.16	4

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

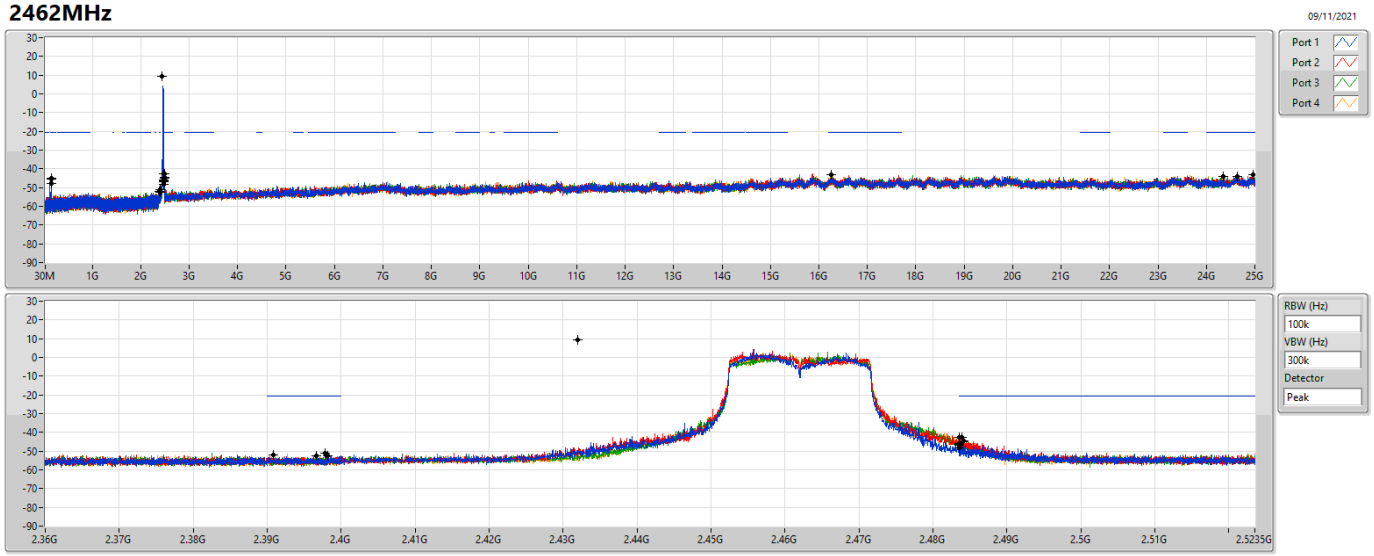
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	9.19	-20.81	159.9M	-45.76	2.39924G	-36.43	2.4G	-39.55	2.48406G	-43.23	16.29598G	-43.21	1
2.43198G	9.19	-20.81	159.9M	-45.71	2.39978G	-35.54	2.4G	-39.23	2.48486G	-42.13	24.57857G	-43.63	2
2.43198G	9.19	-20.81	159.9M	-46.18	2.39964G	-37.25	2.4G	-39.40	2.48516G	-43.86	24.80895G	-44.13	3
2.43198G	9.19	-20.81	159.9M	-46.23	2.39944G	-38.71	2.4G	-40.17	2.48556G	-44.89	16.55726G	-43.35	4

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

2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	9.19	-20.81	159.9M	-45.55	2.39818G	-52.41	2.4835G	-48.46	2.48402G	-45.06	24.34537G	-44.11	1
2.43198G	9.19	-20.81	159.9M	-45.04	2.39078G	-52.16	2.4835G	-46.69	2.4835G	-42.78	16.24821G	-43.07	2
2.43198G	9.19	-20.81	159.9M	-47.88	2.39668G	-52.50	2.4835G	-46.46	2.48394G	-42.69	24.64319G	-43.89	3
2.43198G	9.19	-20.81	159.9M	-44.78	2.39782G	-51.20	2.4835G	-45.99	2.48414G	-44.55	24.95505G	-43.23	4

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

2422MHz

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	3.00	-27.00	159.96M	-45.77	2.397G	-37.10	2.4G	-42.57	2.4843G	-51.82	23.32568G	-43.93	1
2.43198G	3.00	-27.00	159.96M	-44.97	2.39452G	-36.81	2.4G	-38.19	2.49598G	-51.35	24.95232G	-44.14	2
2.43198G	3.00	-27.00	159.96M	-47.08	2.39988G	-37.52	2.4G	-40.93	2.4909G	-51.44	23.22471G	-43.99	3
2.43198G	3.00	-27.00	159.96M	-45.93	2.39952G	-39.83	2.4G	-38.26	2.48642G	-51.64	24.99439G	-43.89	4

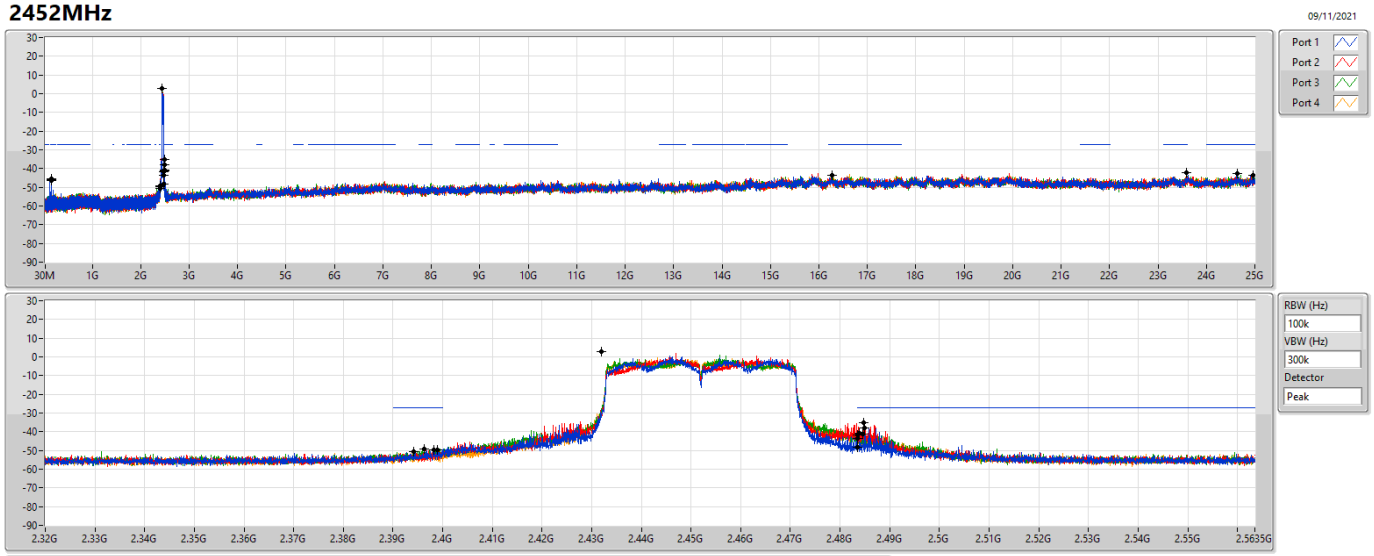
802.11ax HEW40_Nss1,(MCS0)_4TX **CSENdB**

2437MHz

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	3.00	-27.00	159.96M	-45.46	2.39988G	-41.72	2.4G	-42.55	2.4845G	-44.18	24.72796G	-43.18	1
2.43198G	3.00	-27.00	159.96M	-45.82	2.39964G	-39.73	2.4G	-43.49	2.48478G	-45.64	24.57932G	-43.43	2
2.43198G	3.00	-27.00	159.96M	-46.63	2.39784G	-38.80	2.4G	-39.95	2.48478G	-44.17	24.95513G	-44.21	3
2.43198G	3.00	-27.00	159.96M	-45.51	2.39964G	-40.89	2.4G	-44.65	2.48482G	-46.91	24.60456G	-43.30	4

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

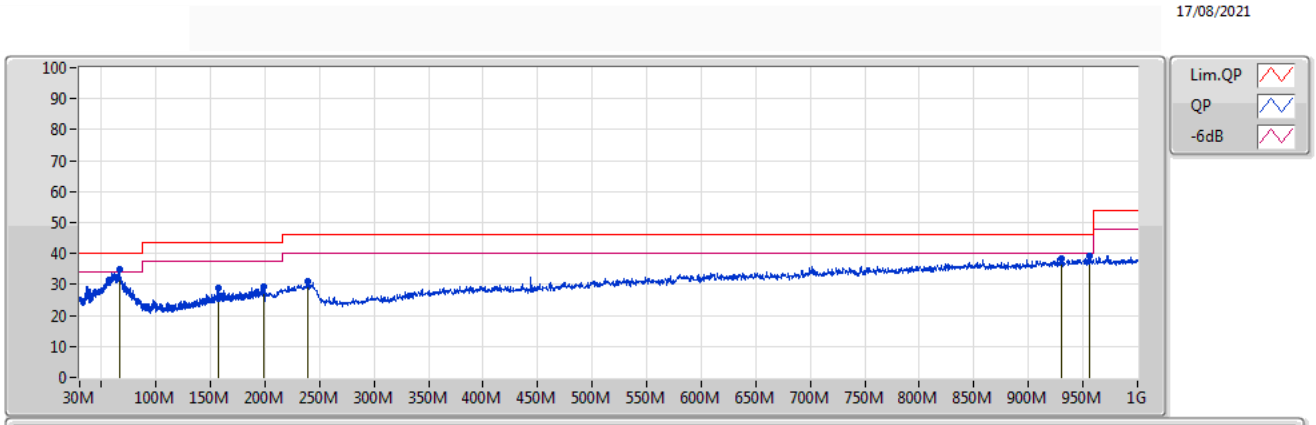
2452MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	3.00	-27.00	159.96M	-45.95	2.39828G	-49.88	2.4835G	-48.38	2.48498G	-38.04	24.96635G	-43.63	1
2.43198G	3.00	-27.00	159.96M	-45.55	2.39896G	-49.85	2.4835G	-41.71	2.4847G	-35.19	24.63821G	-42.64	2
2.43198G	3.00	-27.00	159.96M	-46.33	2.39624G	-49.05	2.4835G	-43.62	2.48394G	-40.70	16.26379G	-43.53	3
2.43198G	3.00	-27.00	159.96M	-45.84	2.39408G	-50.57	2.4835G	-43.72	2.4845G	-41.38	23.59491G	-42.32	4

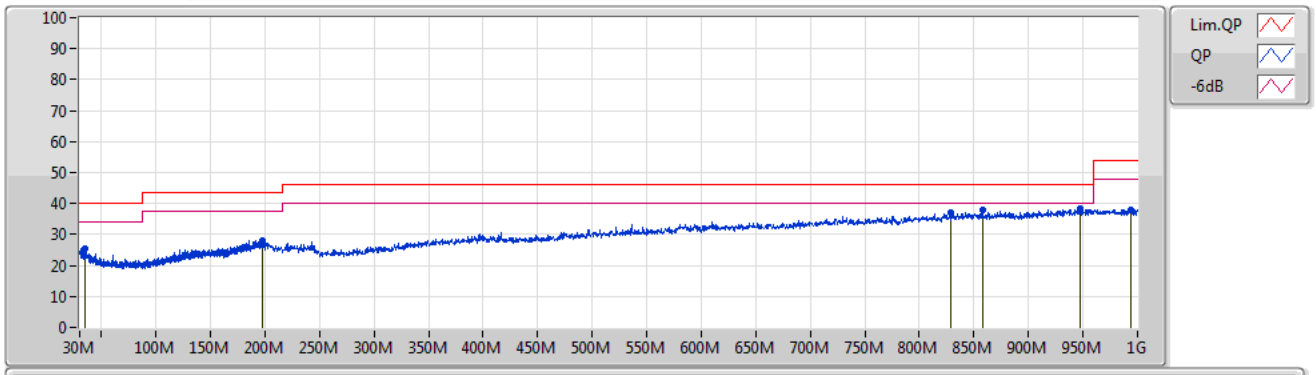
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 3	Pass	PK	66.64M	34.78	40.00	-5.22	Vertical



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	66.64M	34.78	40.00	-5.22	-16.59	3	Vertical	356	2.00	"Worst"	51.37	9.43	1.83	27.85
PK	157.76M	28.77	43.50	-14.73	-12.44	3	Vertical	351	2.00	-	41.21	11.90	3.18	27.52
PK	198.81M	29.23	43.50	-14.27	-9.01	3	Vertical	296	3.00	-	38.24	14.58	3.69	27.28
PK	238.8M	30.83	46.00	-15.17	-10.15	3	Vertical	360	4.00	-	40.98	12.93	3.31	26.39
PK	930.4M	38.30	46.00	-7.70	2.31	3	Vertical	359	3.00	-	35.99	21.93	6.84	26.46
PK	955.6M	39.27	46.00	-6.73	2.76	3	Vertical	250	1.00	-	36.51	22.10	7.00	26.34

17/08/2021



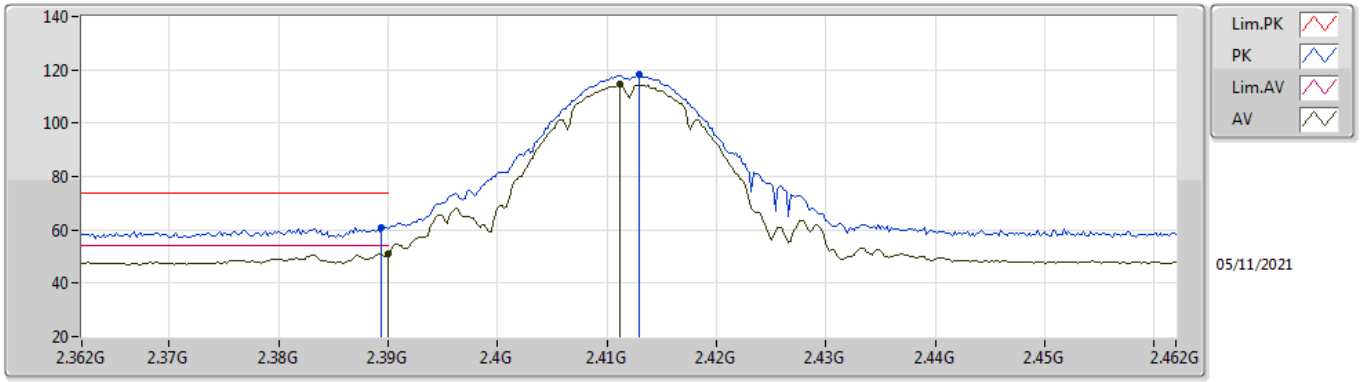
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	35.27M	25.61	40.00	-14.39	-14.01	3	Horizontal	209	1.00	-	39.62	12.70	1.21	27.92
PK	197.79M	28.21	43.50	-15.29	-9.12	3	Horizontal	309	1.00	-	37.33	14.48	3.68	27.28
PK	828.4M	37.08	46.00	-8.92	0.54	3	Horizontal	0	4.00	-	36.54	21.11	6.41	26.98
PK	857.6M	37.91	46.00	-8.09	1.22	3	Horizontal	27	2.00	-	36.69	21.54	6.52	26.84
PK	946.8M	38.18	46.00	-7.82	2.81	3	Horizontal	341	1.00	"Worst"	35.37	22.20	6.97	26.36
PK	994M	38.12	54.00	-15.88	3.24	3	Horizontal	311	1.00	-	34.88	22.54	7.00	26.30

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)_4TX	Pass	AV	2.4835G	53.86	54.00	-0.14	3	Vertical	293	2.68	-

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

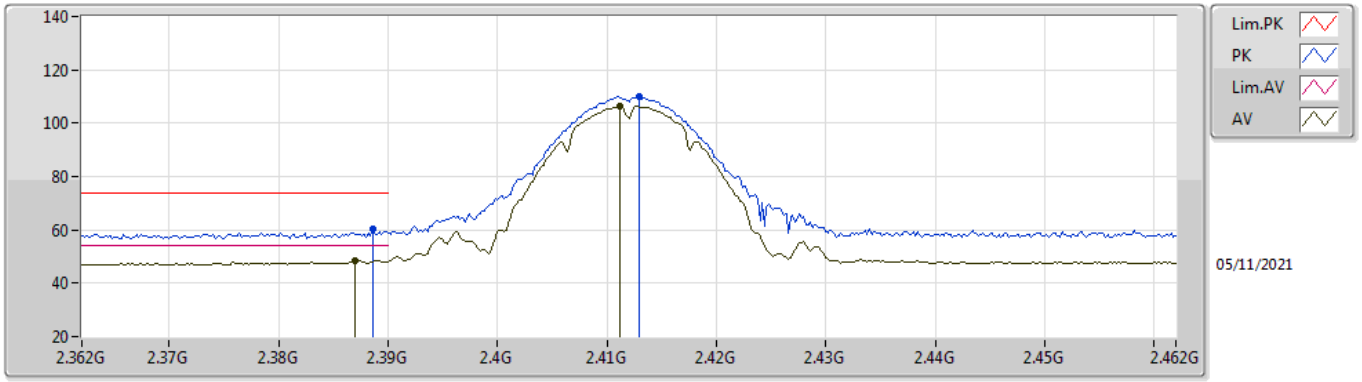


EUT Z_4TX
Setting 20
02-B-K-4

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	60.84	74.00	-13.16	29.67	3	Vertical	237	2.52	-	28.38	2.79	-
AV	2.39G	51.08	54.00	-2.92	19.91	3	Vertical	237	2.52	-	28.38	2.79	-
PK	2.413G	118.09	Inf	-Inf	86.88	3	Vertical	237	2.52	-	28.40	2.81	-
AV	2.4112G	114.52	Inf	-Inf	83.31	3	Vertical	237	2.52	-	28.40	2.81	-

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

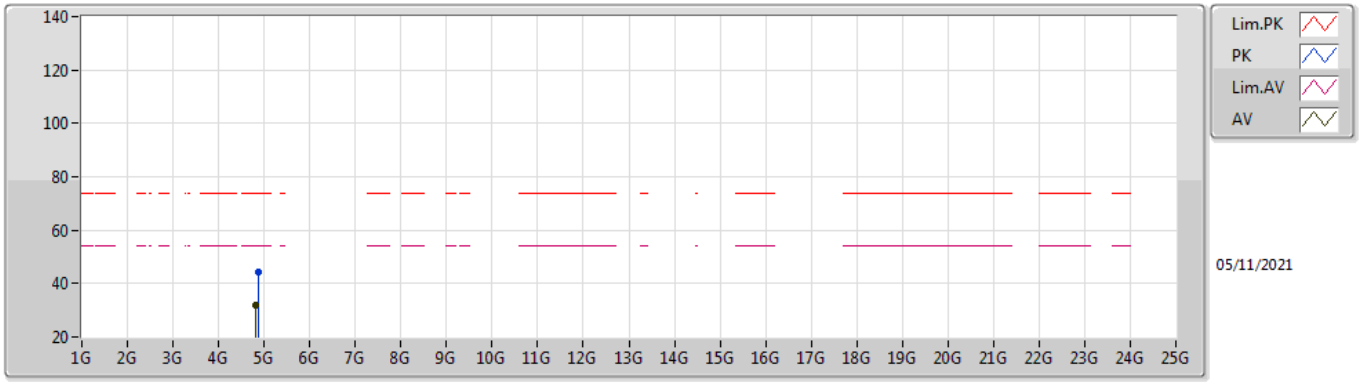


EUT Z_4TX
Setting 20
02-B-K-4

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	2.3886G	60.12	74.00	-13.88	28.95	3	Horizontal	216	2.38	-	28.38	2.79	-
AV	2.387G	48.56	54.00	-5.44	17.40	3	Horizontal	216	2.38	-	28.37	2.79	-
PK	2.413G	110.08	Inf	-Inf	78.87	3	Horizontal	216	2.38	-	28.40	2.81	-
AV	2.4112G	106.53	Inf	-Inf	75.32	3	Horizontal	216	2.38	-	28.40	2.81	-

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

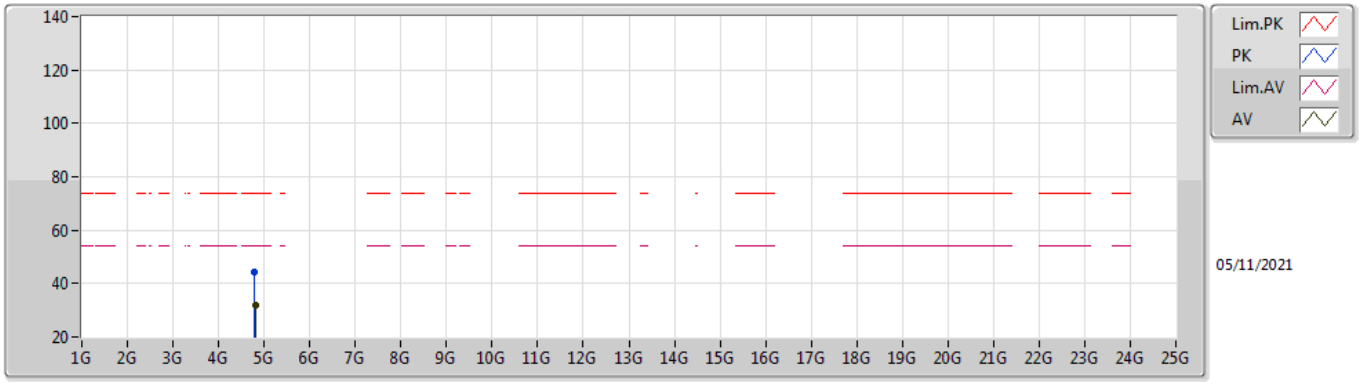


EUT Z_4TX
Setting 20
02-B-K-4

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	4.8638G	44.07	74.00	-29.93	38.25	3	Vertical	310	2.55	-	32.93	5.10	32.21
AV	4.8246G	31.82	54.00	-22.18	26.14	3	Vertical	310	2.55	-	32.80	5.10	32.22

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

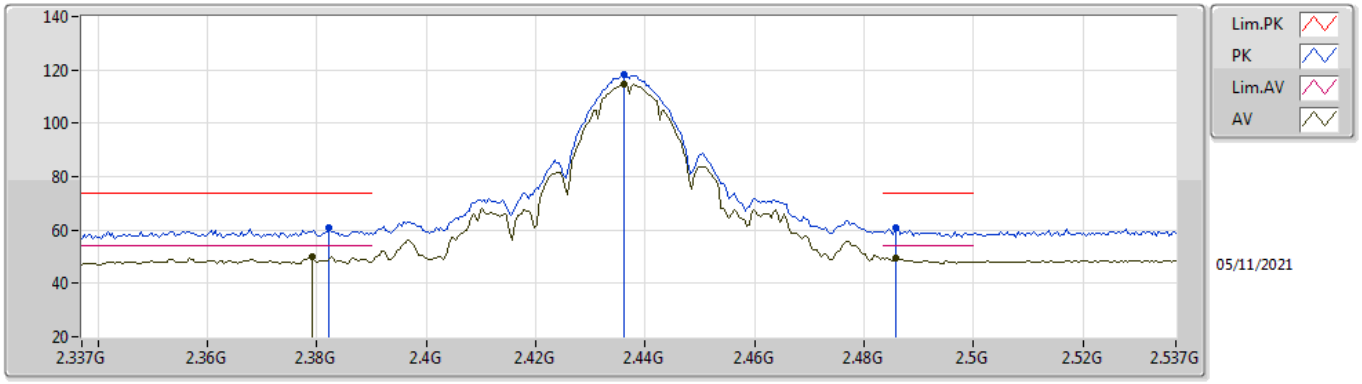


EUT Z_4TX
Setting 20
02-B-K-4

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	4.793G	44.45	74.00	-29.55	38.89	3	Horizontal	66	1.94	-	32.69	5.10	32.23
AV	4.8216G	31.72	54.00	-22.28	26.05	3	Horizontal	66	1.94	-	32.79	5.10	32.22

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

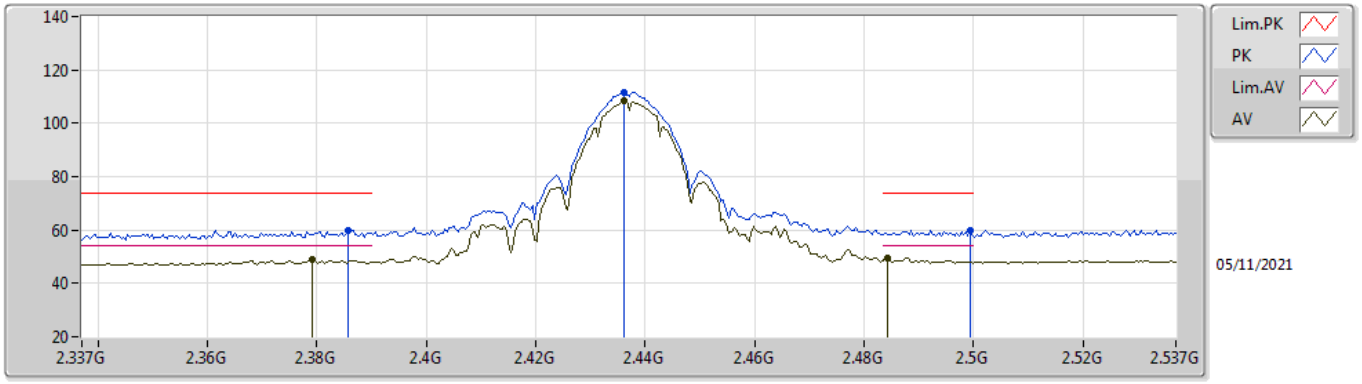


EUT Z_4TX
Setting 22.5
02-B-K-4

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	2.3822G	60.66	74.00	-13.34	29.51	3	Vertical	333	3.00	-	28.36	2.79	-
AV	2.379G	49.90	54.00	-4.10	18.75	3	Vertical	333	3.00	-	28.36	2.79	-
PK	2.4362G	118.23	Inf	-Inf	86.99	3	Vertical	333	3.00	-	28.40	2.84	-
AV	2.4362G	114.86	Inf	-Inf	83.62	3	Vertical	333	3.00	-	28.40	2.84	-
PK	2.4858G	61.10	74.00	-12.90	29.67	3	Vertical	333	3.00	-	28.54	2.89	-
AV	2.4858G	49.71	54.00	-4.29	18.28	3	Vertical	333	3.00	-	28.54	2.89	-

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

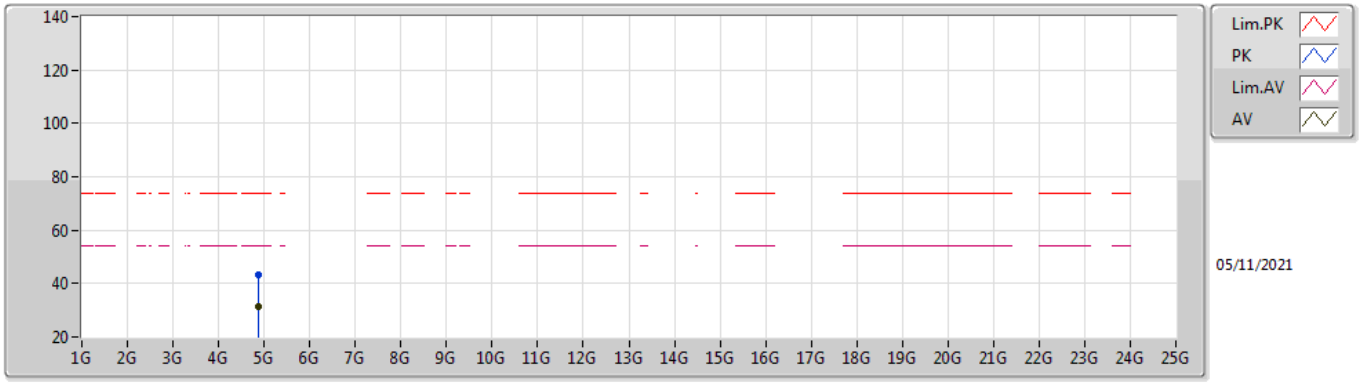


EUT Z_4TX
Setting 22.5
02-B-K-4

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	2.3858G	59.74	74.00	-14.26	28.58	3	Horizontal	154	3.00	-	28.37	2.79	-
AV	2.379G	48.84	54.00	-5.16	17.69	3	Horizontal	154	3.00	-	28.36	2.79	-
PK	2.4362G	111.66	Inf	-Inf	80.42	3	Horizontal	154	3.00	-	28.40	2.84	-
AV	2.4362G	108.20	Inf	-Inf	76.96	3	Horizontal	154	3.00	-	28.40	2.84	-
PK	2.4994G	59.96	74.00	-14.04	28.46	3	Horizontal	154	3.00	-	28.60	2.90	-
AV	2.4842G	49.36	54.00	-4.64	17.94	3	Horizontal	154	3.00	-	28.54	2.88	-

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

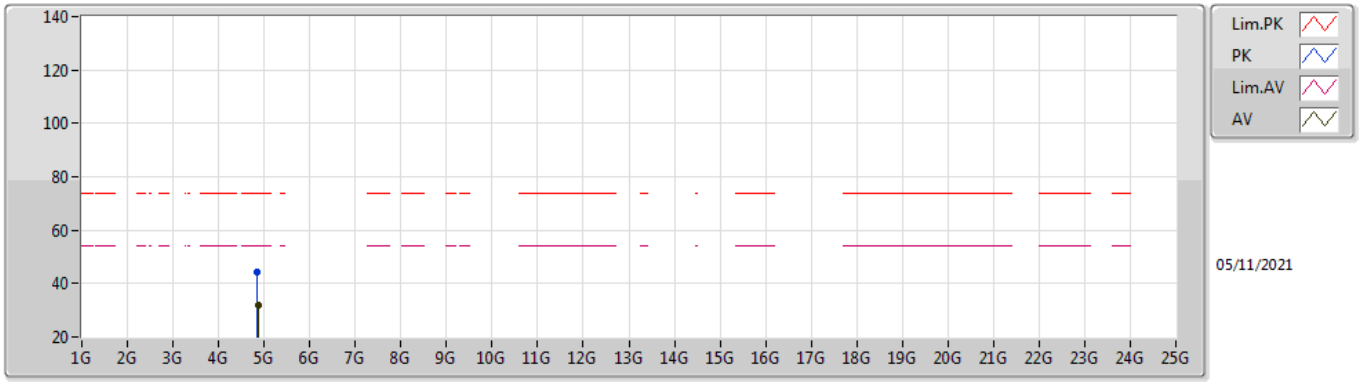


EUT Z_4TX
Setting 22.5
02-B-K-4

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	4.884G	43.52	74.00	-30.48	37.65	3	Vertical	249	1.99	-	32.97	5.10	32.20
AV	4.8616G	31.54	54.00	-22.46	25.73	3	Vertical	249	1.99	-	32.92	5.10	32.21

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

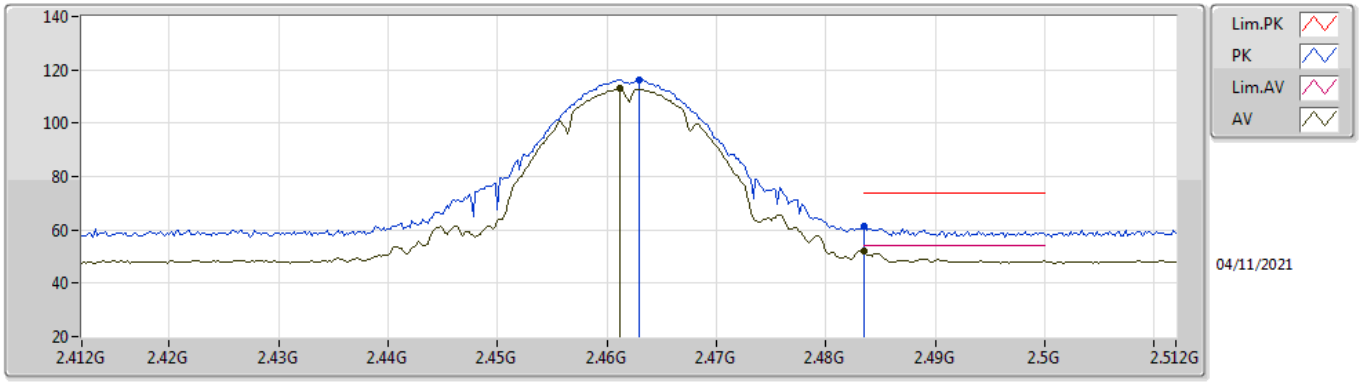


EUT Z_4TX
Setting 22.5
02-B-K-4

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	4.8422G	44.11	74.00	-29.89	38.36	3	Horizontal	68	1.80	-	32.87	5.10	32.22
AV	4.864G	31.83	54.00	-22.17	26.01	3	Horizontal	68	1.80	-	32.93	5.10	32.21

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

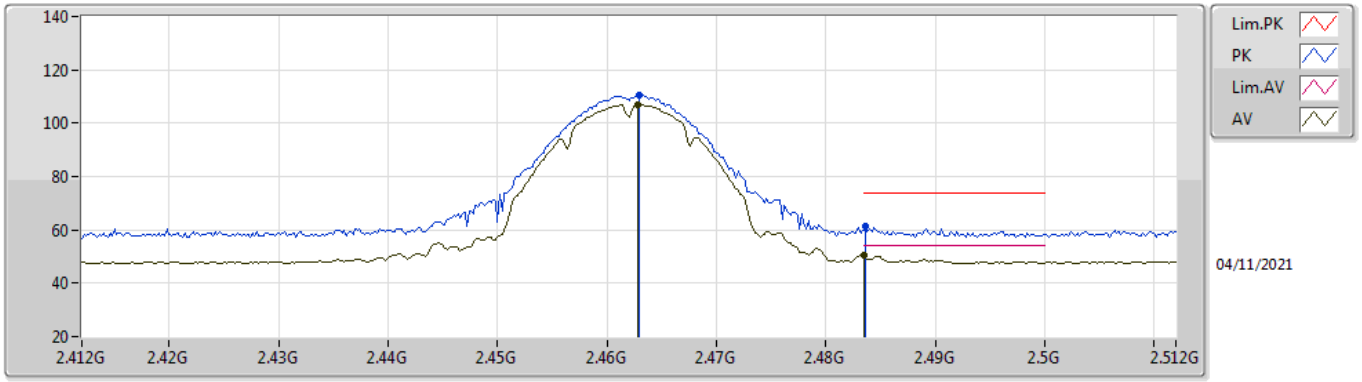


EUT Z_4TX
Setting 20
02-B-K-4

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	2.463G	116.35	Inf	-Inf	85.04	3	Vertical	134	3.00	-	28.45	2.86	-
AV	2.4612G	112.97	Inf	-Inf	81.67	3	Vertical	134	3.00	-	28.44	2.86	-
PK	2.4835G	61.33	74.00	-12.67	29.92	3	Vertical	134	3.00	-	28.53	2.88	-
AV	2.4835G	52.02	54.00	-1.98	20.61	3	Vertical	134	3.00	-	28.53	2.88	-

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

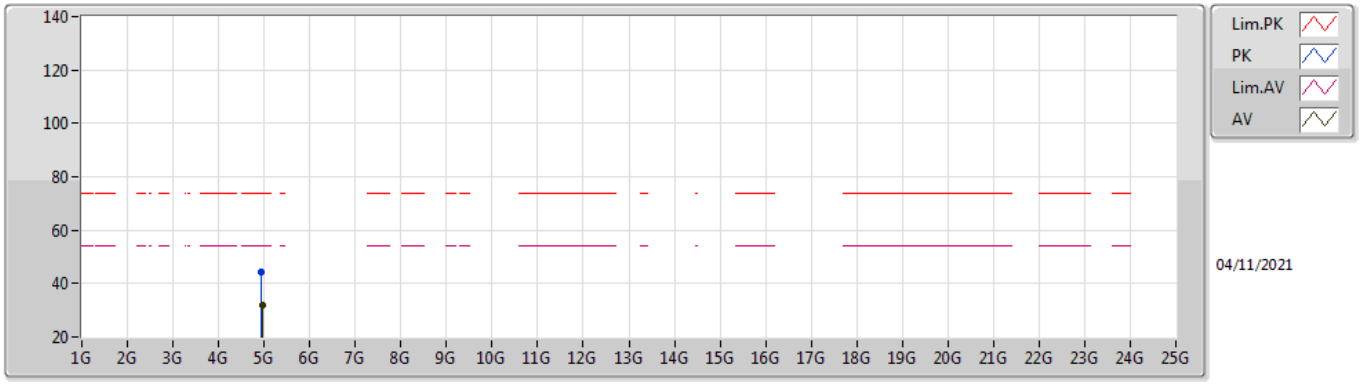


EUT Z_4TX
Setting 20
02-B-K-4

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	2.463G	110.68	Inf	-Inf	79.37	3	Horizontal	154	1.12	-	28.45	2.86	-
AV	2.4628G	107.12	Inf	-Inf	75.81	3	Horizontal	154	1.12	-	28.45	2.86	-
PK	2.4836G	61.49	74.00	-12.51	30.08	3	Horizontal	154	1.12	-	28.53	2.88	-
AV	2.4835G	50.51	54.00	-3.49	19.10	3	Horizontal	154	1.12	-	28.53	2.88	-

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

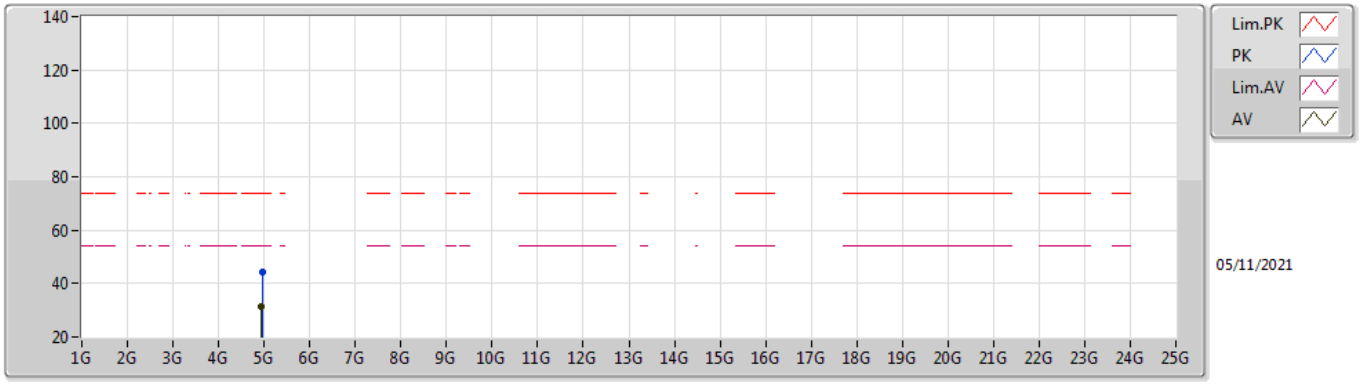


EUT Z_4TX
Setting 20
02-B-K-4

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	4.925G	44.51	74.00	-29.49	38.45	3	Vertical	276	2.10	-	33.15	5.10	32.19
AV	4.9496G	31.84	54.00	-22.16	25.62	3	Vertical	276	2.10	-	33.30	5.10	32.18

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

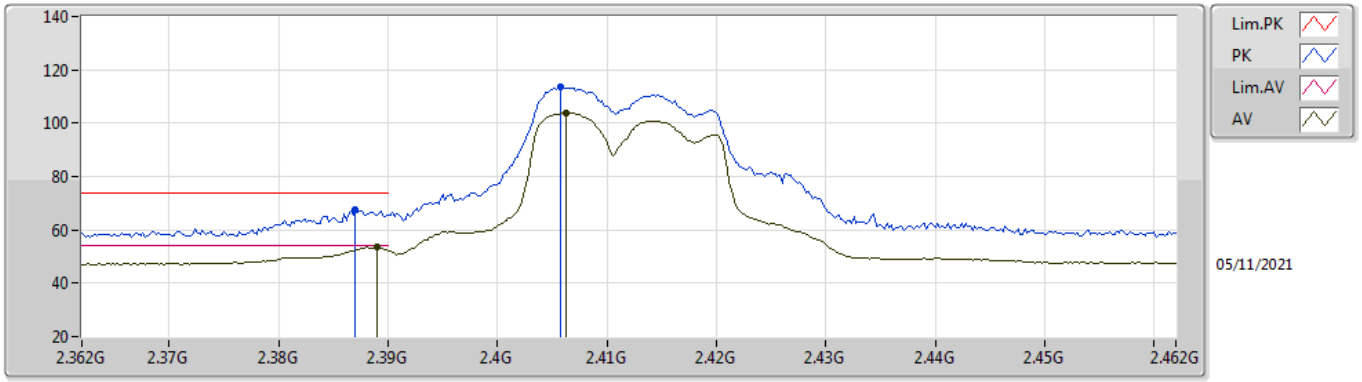


EUT Z_4TX
Setting 20
02-B-K-4

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	4.9532G	44.54	74.00	-29.46	38.33	3	Horizontal	67	2.53	-	33.29	5.10	32.18
AV	4.9244G	31.48	54.00	-22.52	25.42	3	Horizontal	67	2.53	-	33.15	5.10	32.19

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

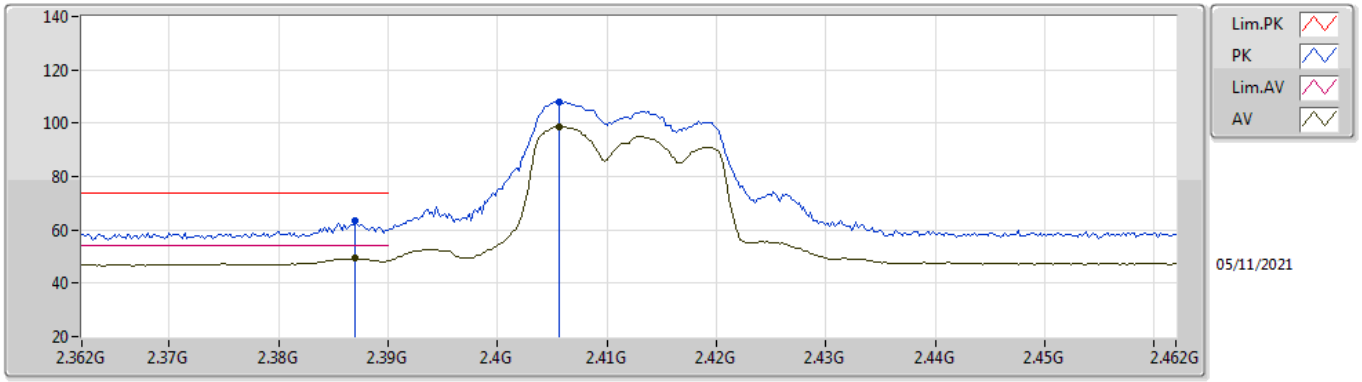


EUT Z_4TX
Setting 16.5
02-B-K-4

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	2.387G	67.80	74.00	-6.20	36.64	3	Vertical	46	3.00	-	28.37	2.79	-
AV	2.389G	53.53	54.00	-0.47	22.36	3	Vertical	46	3.00	-	28.38	2.79	-
PK	2.4058G	113.50	Inf	-Inf	82.29	3	Vertical	46	3.00	-	28.40	2.81	-
AV	2.4062G	103.98	Inf	-Inf	72.77	3	Vertical	46	3.00	-	28.40	2.81	-

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

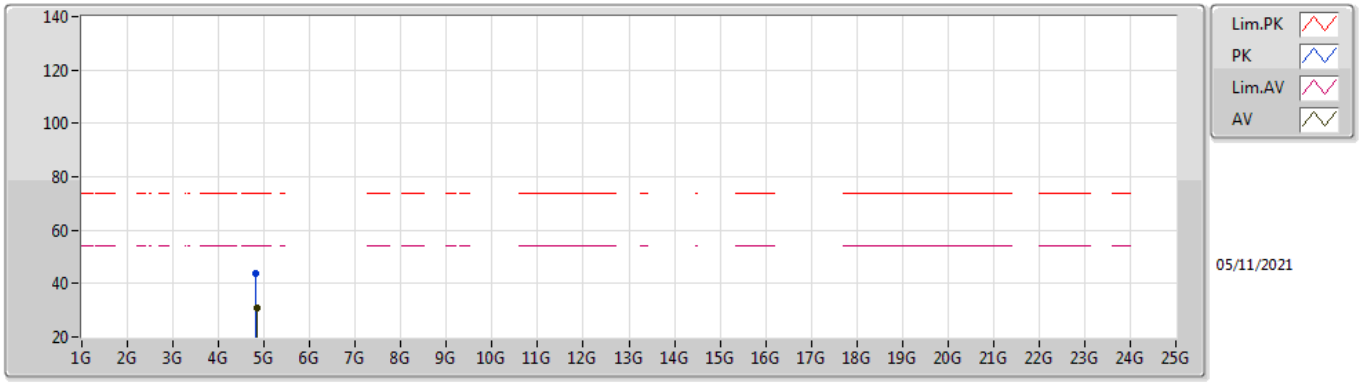


EUT Z_4TX
Setting 16.5
02-B-K-4

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	2.387G	63.37	74.00	-10.63	32.21	3	Horizontal	183	2.51	-	28.37	2.79	-
AV	2.387G	49.31	54.00	-4.69	18.15	3	Horizontal	183	2.51	-	28.37	2.79	-
PK	2.4056G	108.11	Inf	-Inf	76.90	3	Horizontal	183	2.51	-	28.40	2.81	-
AV	2.4056G	98.56	Inf	-Inf	67.35	3	Horizontal	183	2.51	-	28.40	2.81	-

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

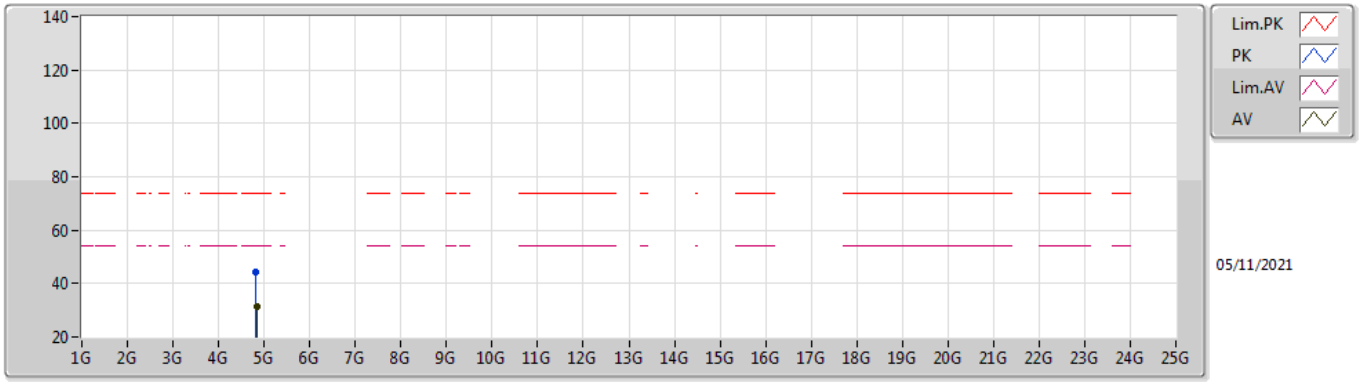


EUT Z_4TX
Setting 16.5
02-B-K-4

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	4.807G	43.89	74.00	-30.11	38.29	3	Vertical	357	2.39	-	32.73	5.10	32.23
AV	4.8444G	31.04	54.00	-22.96	25.28	3	Vertical	357	2.39	-	32.88	5.10	32.22

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

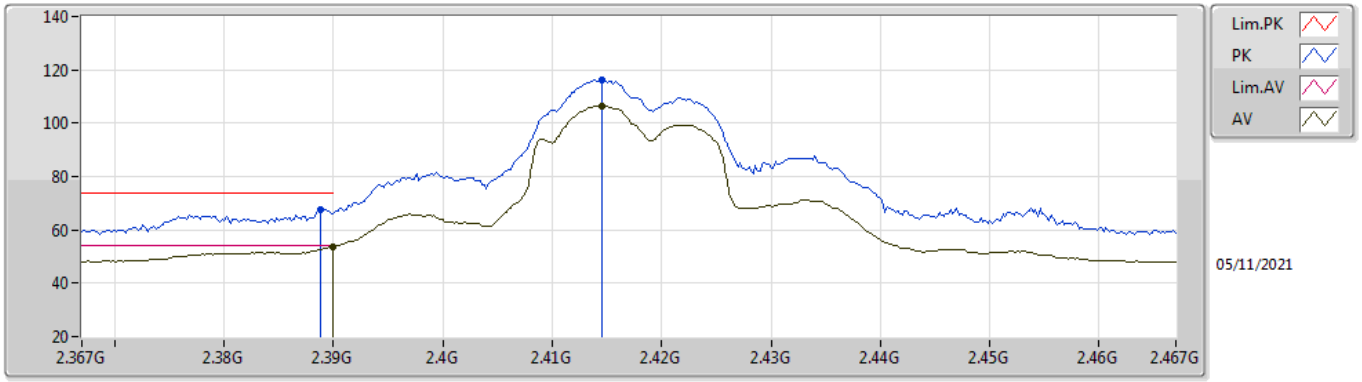


EUT Z_4TX
Setting 16.5
02-B-K-4

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	4.815G	44.46	74.00	-29.54	38.83	3	Horizontal	74	1.34	-	32.76	5.10	32.23
AV	4.8574G	31.20	54.00	-22.80	25.40	3	Horizontal	74	1.34	-	32.91	5.10	32.21

802.11g_Nss1,(6Mbps)_4TX

2417MHz_TX

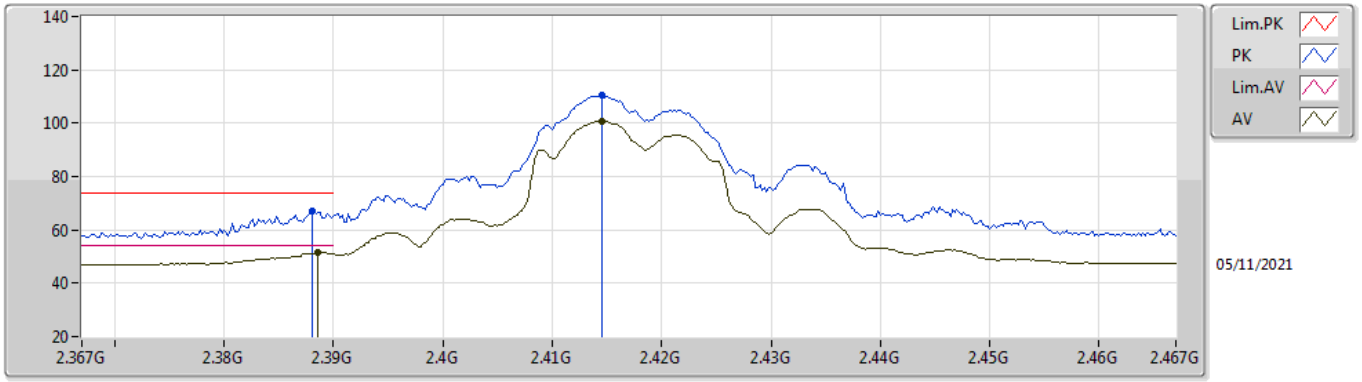


EUT Z_4TX
Setting 18.5
02-B-K-4

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	2.3888G	67.64	74.00	-6.36	36.47	3	Vertical	43	1.96	-	28.38	2.79	-
AV	2.39G	53.76	54.00	-0.24	22.59	3	Vertical	43	1.96	-	28.38	2.79	-
PK	2.4146G	116.17	Inf	-Inf	84.96	3	Vertical	43	1.96	-	28.40	2.81	-
AV	2.4146G	106.54	Inf	-Inf	75.33	3	Vertical	43	1.96	-	28.40	2.81	-

802.11g_Nss1,(6Mbps)_4TX

2417MHz_TX

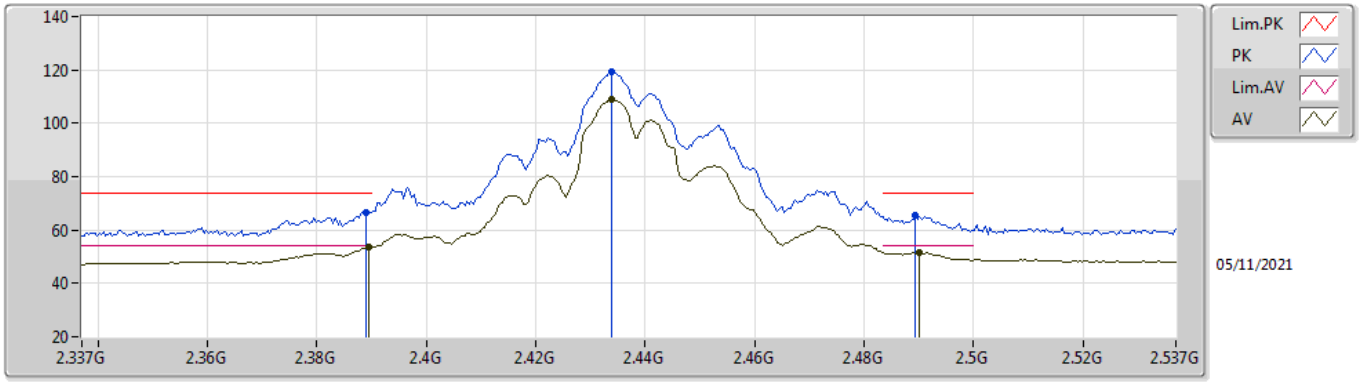


EUT Z_4TX
Setting 18.5
02-B-K-4

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	2.388G	67.29	74.00	-6.71	36.12	3	Horizontal	182	2.43	-	28.38	2.79	-
AV	2.3886G	51.67	54.00	-2.33	20.50	3	Horizontal	182	2.43	-	28.38	2.79	-
PK	2.4146G	110.36	Inf	-Inf	79.15	3	Horizontal	182	2.43	-	28.40	2.81	-
AV	2.4146G	100.76	Inf	-Inf	69.55	3	Horizontal	182	2.43	-	28.40	2.81	-

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

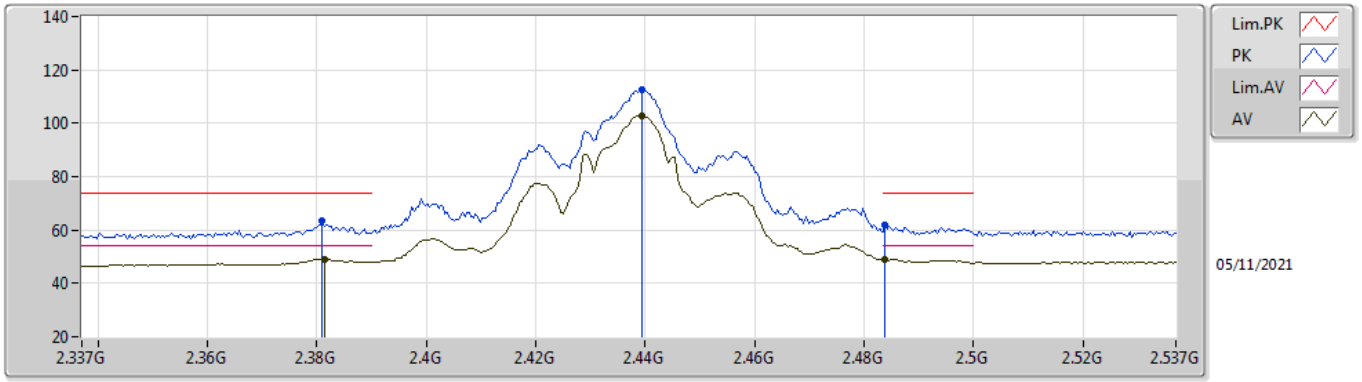


EUT Z_4TX
Setting 21.5
02-B-K-4

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	2.389G	66.67	74.00	-7.33	35.50	3	Vertical	199	1.97	-	28.38	2.79	-
AV	2.3894G	53.51	54.00	-0.49	22.34	3	Vertical	199	1.97	-	28.38	2.79	-
PK	2.4338G	119.11	Inf	-Inf	87.88	3	Vertical	199	1.97	-	28.40	2.83	-
AV	2.4338G	109.18	Inf	-Inf	77.95	3	Vertical	199	1.97	-	28.40	2.83	-
PK	2.4894G	65.61	74.00	-8.39	34.16	3	Vertical	199	1.97	-	28.56	2.89	-
AV	2.4902G	51.61	54.00	-2.39	20.16	3	Vertical	199	1.97	-	28.56	2.89	-

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

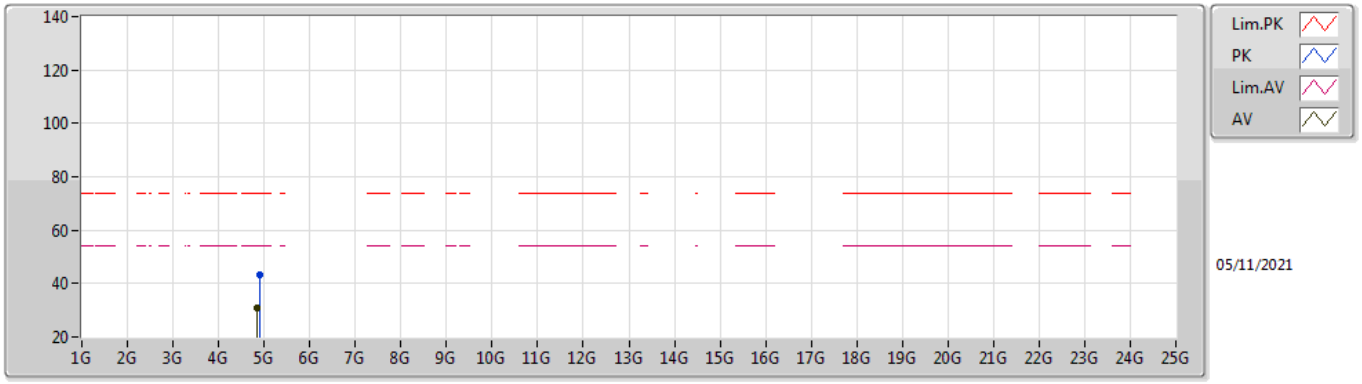


EUT Z_4TX
Setting 21.5
02-B-K-4

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	2.381G	63.36	74.00	-10.64	32.21	3	Horizontal	120	2.35	-	28.36	2.79	-
AV	2.3814G	48.86	54.00	-5.14	17.71	3	Horizontal	120	2.35	-	28.36	2.79	-
PK	2.4394G	112.41	Inf	-Inf	81.17	3	Horizontal	120	2.35	-	28.40	2.84	-
AV	2.4394G	102.85	Inf	-Inf	71.61	3	Horizontal	120	2.35	-	28.40	2.84	-
PK	2.4838G	62.05	74.00	-11.95	30.63	3	Horizontal	120	2.35	-	28.54	2.88	-
AV	2.4838G	49.08	54.00	-4.92	17.66	3	Horizontal	120	2.35	-	28.54	2.88	-

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

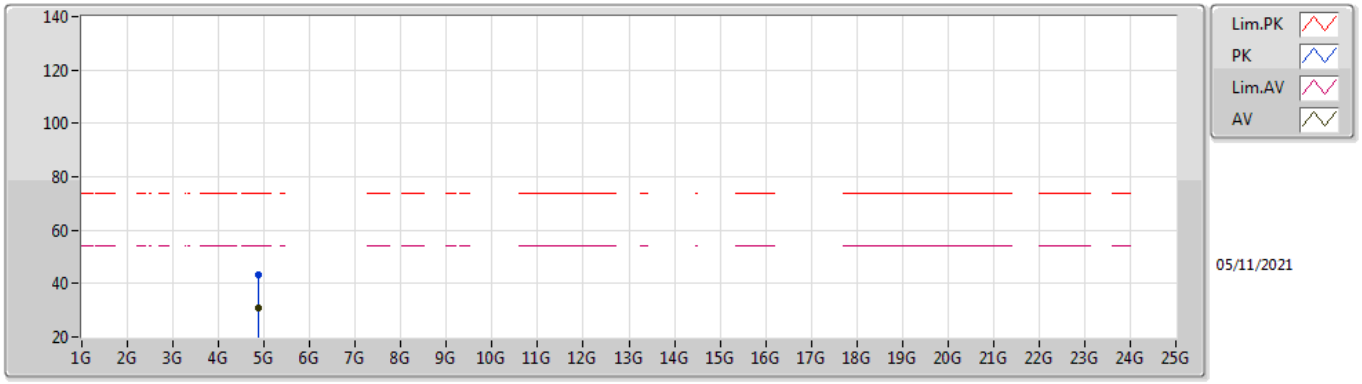


EUT Z_4TX
Setting 21.5
02-B-K-4

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	4.8894G	43.52	74.00	-30.48	37.64	3	Vertical	154	2.33	-	32.98	5.10	32.20
AV	4.839G	31.09	54.00	-22.91	25.35	3	Vertical	154	2.33	-	32.86	5.10	32.22

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

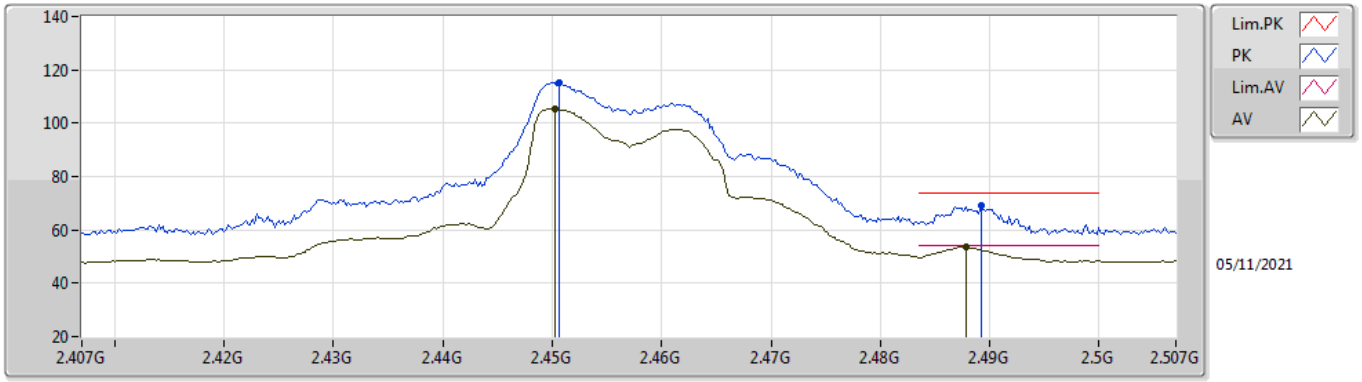


EUT Z_4TX
Setting 21.5
02-B-K-4

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	4.8832G	43.13	74.00	-30.87	37.26	3	Horizontal	201	1.67	-	32.97	5.10	32.20
AV	4.8636G	30.97	54.00	-23.03	25.15	3	Horizontal	201	1.67	-	32.93	5.10	32.21

802.11g_Nss1,(6Mbps)_4TX

2457MHz_TX

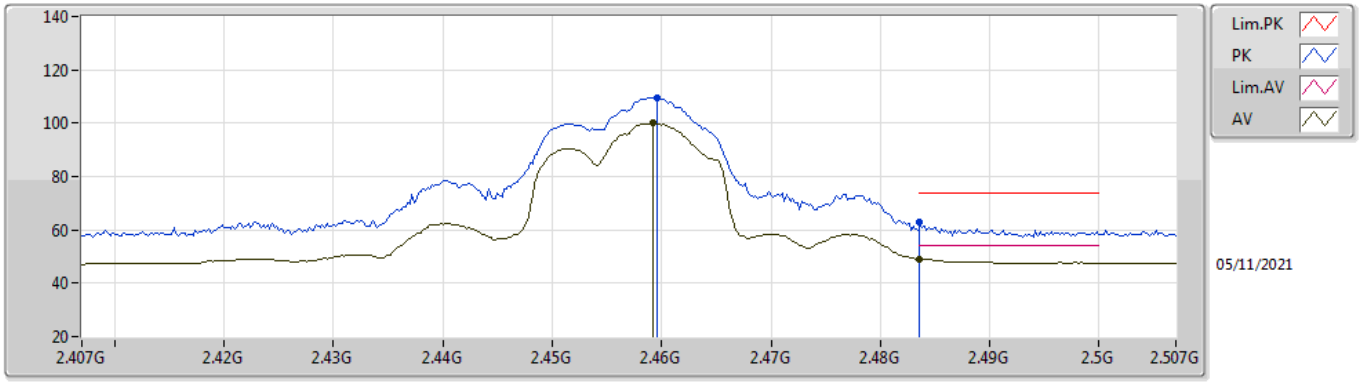


EUT Z_4TX
Setting 17.5
02-B-K-4

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	2.4506G	115.07	Inf	-Inf	83.82	3	Vertical	296	1.80	-	28.40	2.85	-
AV	2.4502G	105.59	Inf	-Inf	74.34	3	Vertical	296	1.80	-	28.40	2.85	-
PK	2.4892G	69.38	74.00	-4.62	37.93	3	Vertical	296	1.80	-	28.56	2.89	-
AV	2.4878G	53.76	54.00	-0.24	22.32	3	Vertical	296	1.80	-	28.55	2.89	-

802.11g_Nss1,(6Mbps)_4TX

2457MHz_TX

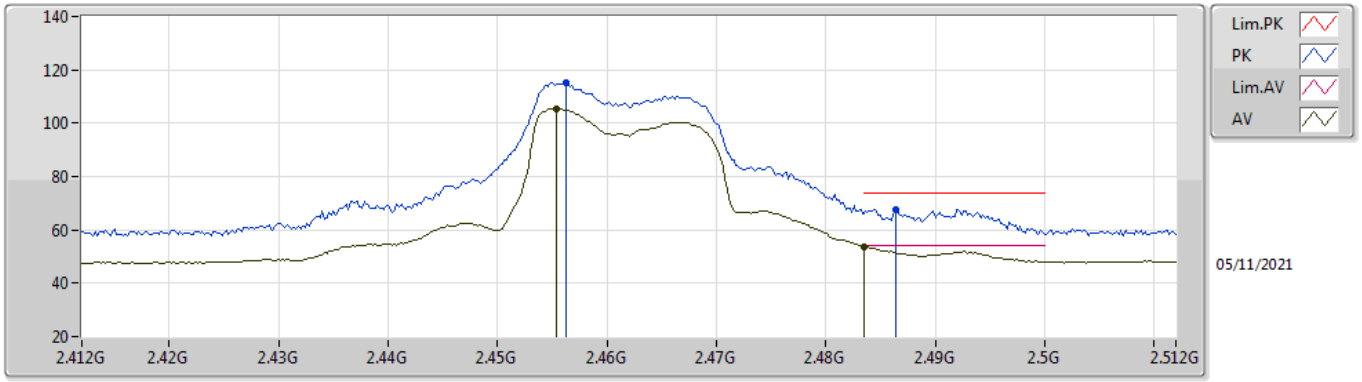


EUT Z_4TX
Setting 17.5
02-B-K-4

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	2.4596G	109.70	Inf	-Inf	78.40	3	Horizontal	122	1.38	-	28.44	2.86	-
AV	2.4592G	99.98	Inf	-Inf	68.68	3	Horizontal	122	1.38	-	28.44	2.86	-
PK	2.4836G	62.70	74.00	-11.30	31.29	3	Horizontal	122	1.38	-	28.53	2.88	-
AV	2.4835G	49.01	54.00	-4.99	17.60	3	Horizontal	122	1.38	-	28.53	2.88	-

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

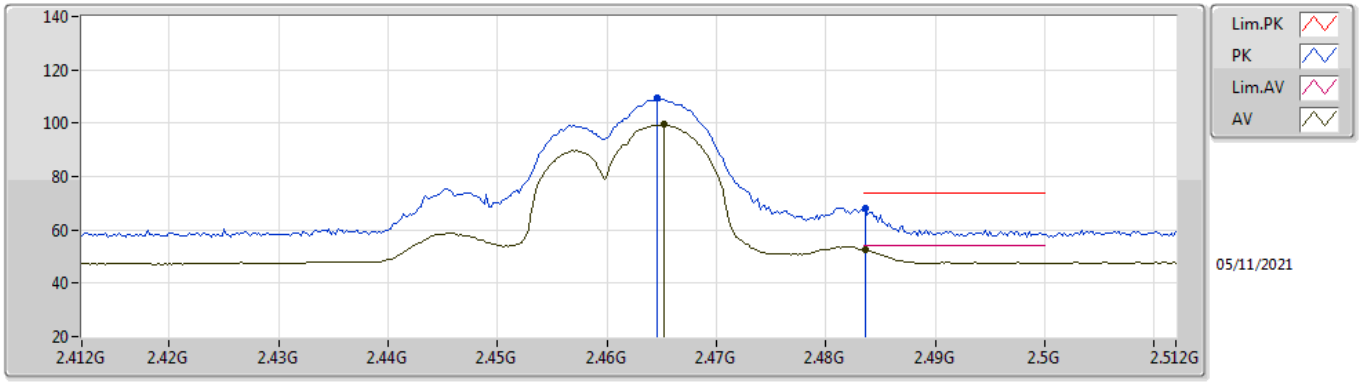


EUT Z_4TX
Setting 16.5
02-B-K-4

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	2.4562G	115.38	Inf	-Inf	84.10	3	Vertical	293	2.68	-	28.42	2.86	-
AV	2.4554G	105.45	Inf	-Inf	74.17	3	Vertical	293	2.68	-	28.42	2.86	-
PK	2.4864G	67.58	74.00	-6.42	36.14	3	Vertical	293	2.68	-	28.55	2.89	-
AV	2.4835G	53.86	54.00	-0.14	22.45	3	Vertical	293	2.68	-	28.53	2.88	-

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

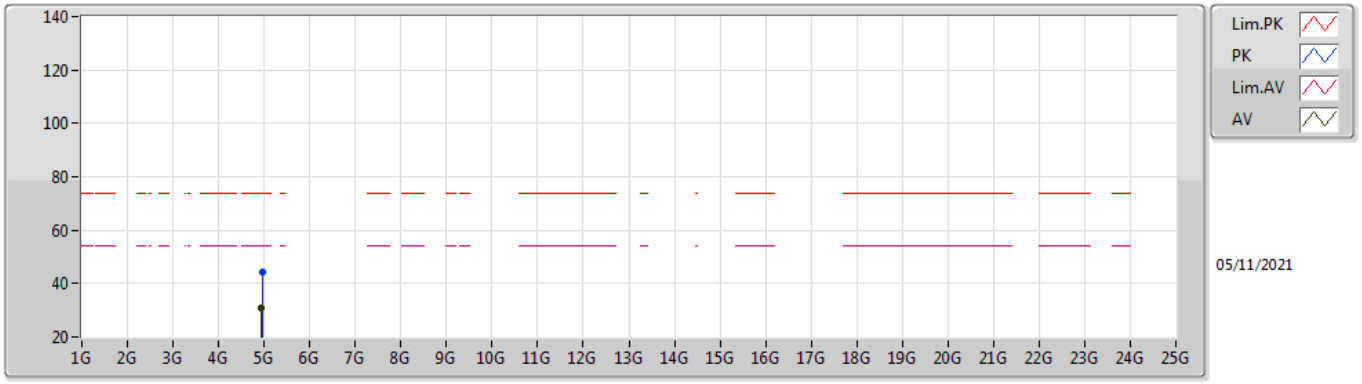


EUT Z_4TX
Setting 16.5
02-B-K-4

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	2.4646G	109.47	Inf	-Inf	78.15	3	Horizontal	124	1.80	-	28.46	2.86	-
AV	2.4652G	99.58	Inf	-Inf	68.25	3	Horizontal	124	1.80	-	28.46	2.87	-
PK	2.4836G	68.19	74.00	-5.81	36.78	3	Horizontal	124	1.80	-	28.53	2.88	-
AV	2.4836G	52.83	54.00	-1.17	21.42	3	Horizontal	124	1.80	-	28.53	2.88	-

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

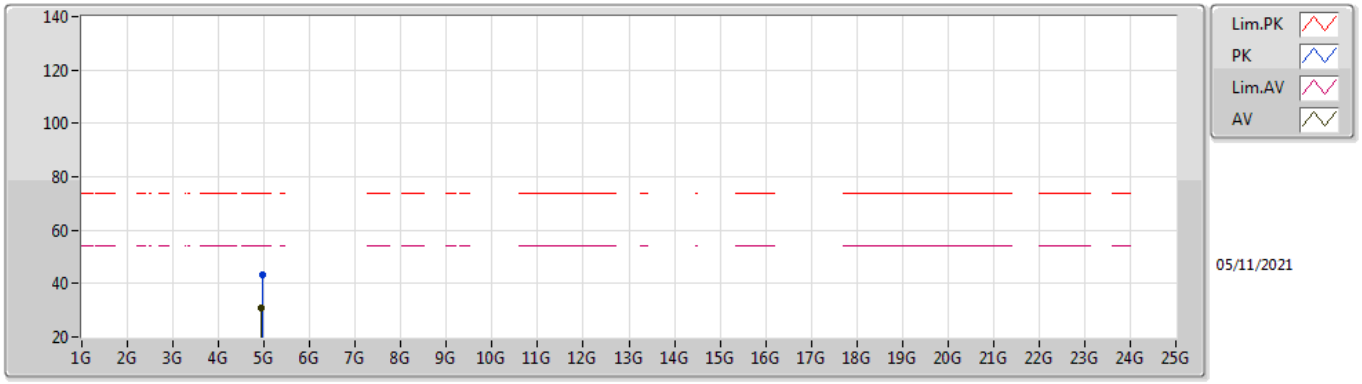


EUT Z_4TX
Setting 16.5
02-B-K-4

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	4.9626G	44.42	74.00	-29.58	38.22	3	Vertical	145	2.28	-	33.27	5.10	32.17
AV	4.9476G	31.05	54.00	-22.95	24.84	3	Vertical	145	2.28	-	33.29	5.10	32.18

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

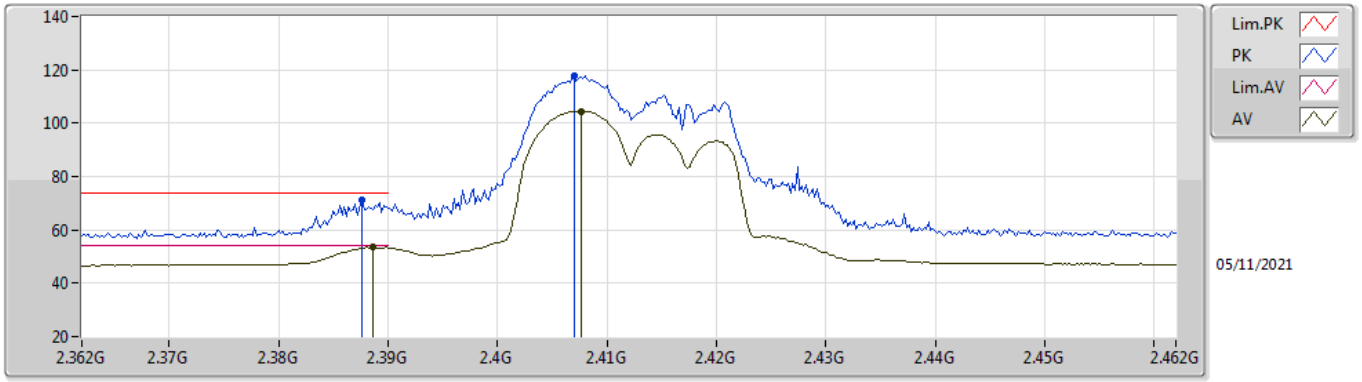


EUT Z_4TX
Setting 16.5
02-B-K-4

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	4.9704G	43.30	74.00	-30.70	37.11	3	Horizontal	173	2.86	-	33.26	5.10	32.17
AV	4.9366G	30.96	54.00	-23.04	24.82	3	Horizontal	173	2.86	-	33.22	5.10	32.18

802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz_TX

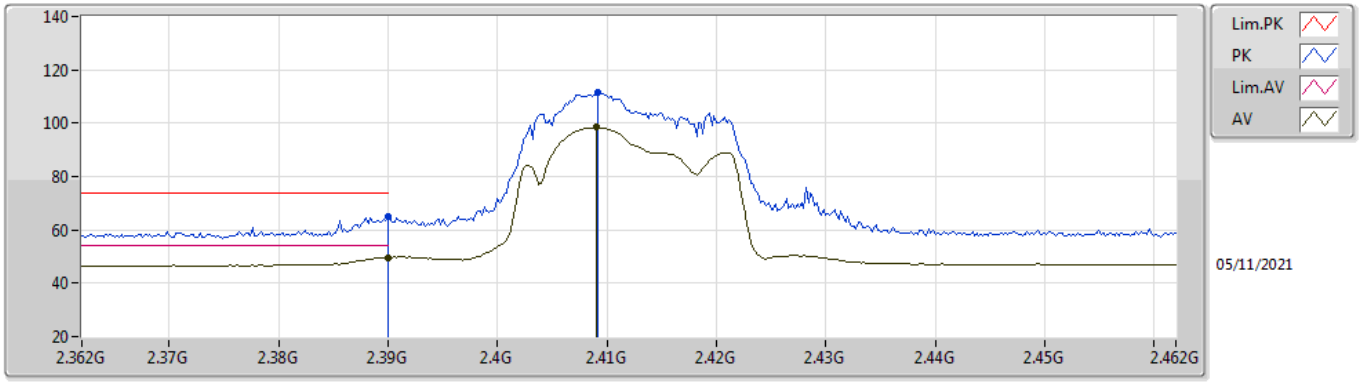


EUT Z_4TX
Setting 15.5
02-B-K-4

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	2.3876G	71.36	74.00	-2.64	40.19	3	Vertical	57	2.85	-	28.38	2.79	-
AV	2.3886G	53.58	54.00	-0.42	22.41	3	Vertical	57	2.85	-	28.38	2.79	-
PK	2.407G	117.88	Inf	-Inf	86.67	3	Vertical	57	2.85	-	28.40	2.81	-
AV	2.4076G	104.55	Inf	-Inf	73.34	3	Vertical	57	2.85	-	28.40	2.81	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz_TX

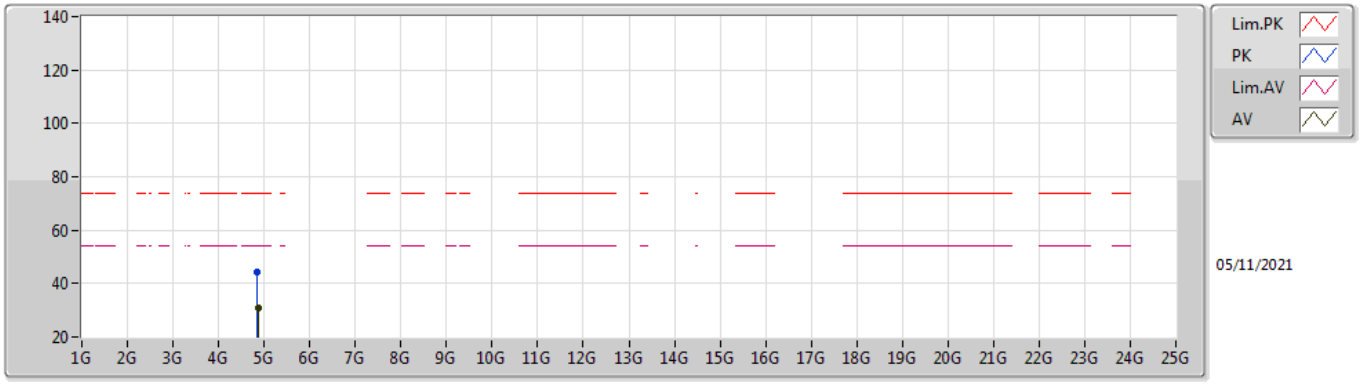


EUT Z_4TX
Setting 15.5
02-B-K-4

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	64.86	74.00	-9.14	33.69	3	Horizontal	211	2.41	-	28.38	2.79	-
AV	2.39G	49.60	54.00	-4.40	18.43	3	Horizontal	211	2.41	-	28.38	2.79	-
PK	2.4092G	111.73	Inf	-Inf	80.52	3	Horizontal	211	2.41	-	28.40	2.81	-
AV	2.409G	98.40	Inf	-Inf	67.19	3	Horizontal	211	2.41	-	28.40	2.81	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz_TX

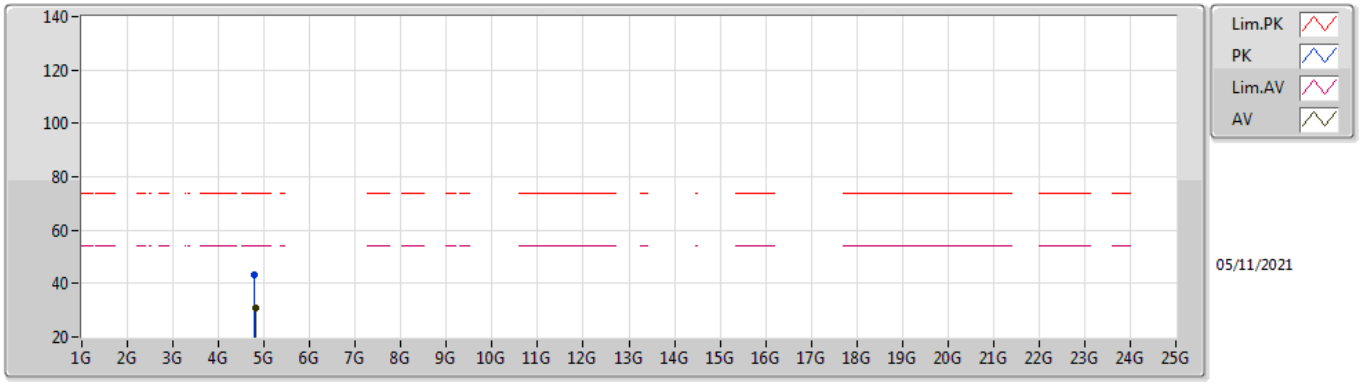


EUT Z_4TX
Setting 15.5
02-B-K-4

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	4.8432G	44.06	74.00	-29.94	38.31	3	Vertical	148	2.17	-	32.87	5.10	32.22
AV	4.874G	30.80	54.00	-23.20	24.96	3	Vertical	148	2.17	-	32.95	5.10	32.21

802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz_TX

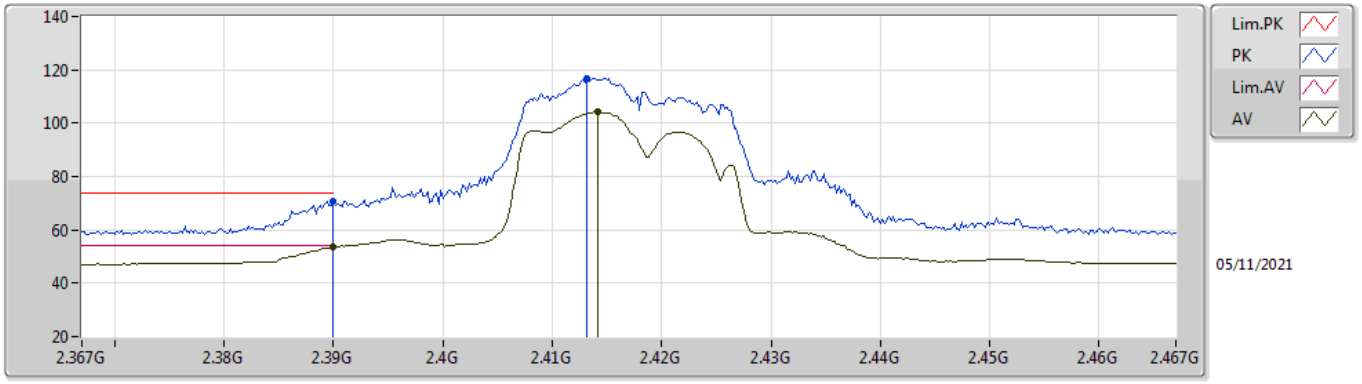


EUT Z_4TX
Setting 15.5
02-B-K-4

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	4.7898G	43.36	74.00	-30.64	37.83	3	Horizontal	77	2.66	-	32.68	5.09	32.24
AV	4.8238G	30.71	54.00	-23.29	25.03	3	Horizontal	77	2.66	-	32.80	5.10	32.22

802.11ax HEW20_Nss1,(MCS0)_4TX

2417MHz_TX

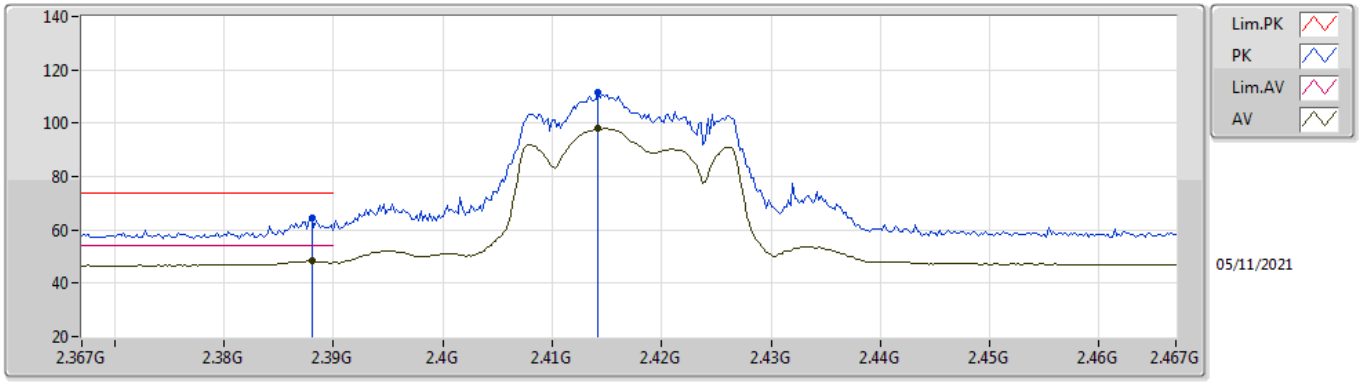


EUT Z_4TX
Setting 16.5
02-B-K-4

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	70.75	74.00	-3.25	39.58	3	Vertical	54	1.95	-	28.38	2.79	-
AV	2.39G	53.52	54.00	-0.48	22.35	3	Vertical	54	1.95	-	28.38	2.79	-
PK	2.4132G	116.83	Inf	-Inf	85.62	3	Vertical	54	1.95	-	28.40	2.81	-
AV	2.4142G	104.19	Inf	-Inf	72.98	3	Vertical	54	1.95	-	28.40	2.81	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2417MHz_TX

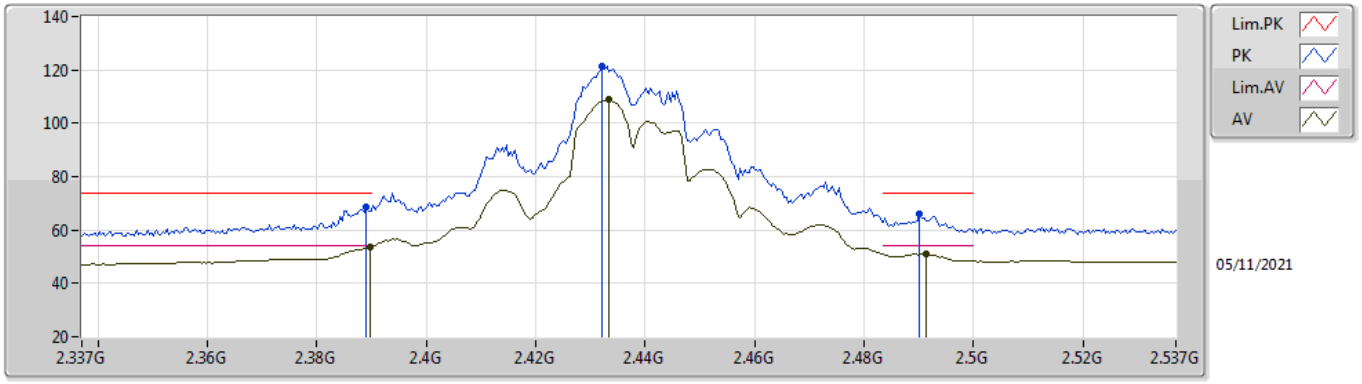


EUT Z_4TX
Setting 16.5
02-B-K-4

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	2.388G	64.47	74.00	-9.53	33.30	3	Horizontal	181	2.77	-	28.38	2.79	-
AV	2.388G	48.42	54.00	-5.58	17.25	3	Horizontal	181	2.77	-	28.38	2.79	-
PK	2.4142G	111.35	Inf	-Inf	80.14	3	Horizontal	181	2.77	-	28.40	2.81	-
AV	2.4142G	98.06	Inf	-Inf	66.85	3	Horizontal	181	2.77	-	28.40	2.81	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX

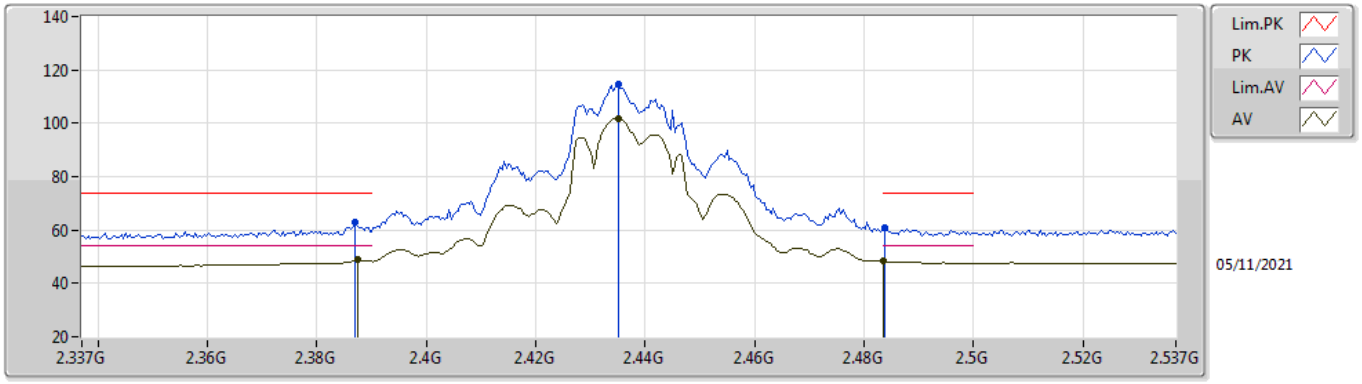


EUT Z_4TX
Setting 20.5
02-B-K-4

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	2.389G	68.38	74.00	-5.62	37.21	3	Vertical	268	2.72	-	28.38	2.79	-
AV	2.3898G	53.56	54.00	-0.44	22.39	3	Vertical	268	2.72	-	28.38	2.79	-
PK	2.4322G	121.47	Inf	-Inf	90.24	3	Vertical	268	2.72	-	28.40	2.83	-
AV	2.4334G	108.77	Inf	-Inf	77.54	3	Vertical	268	2.72	-	28.40	2.83	-
PK	2.4902G	66.08	74.00	-7.92	34.63	3	Vertical	268	2.72	-	28.56	2.89	-
AV	2.4914G	50.99	54.00	-3.01	19.53	3	Vertical	268	2.72	-	28.57	2.89	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX

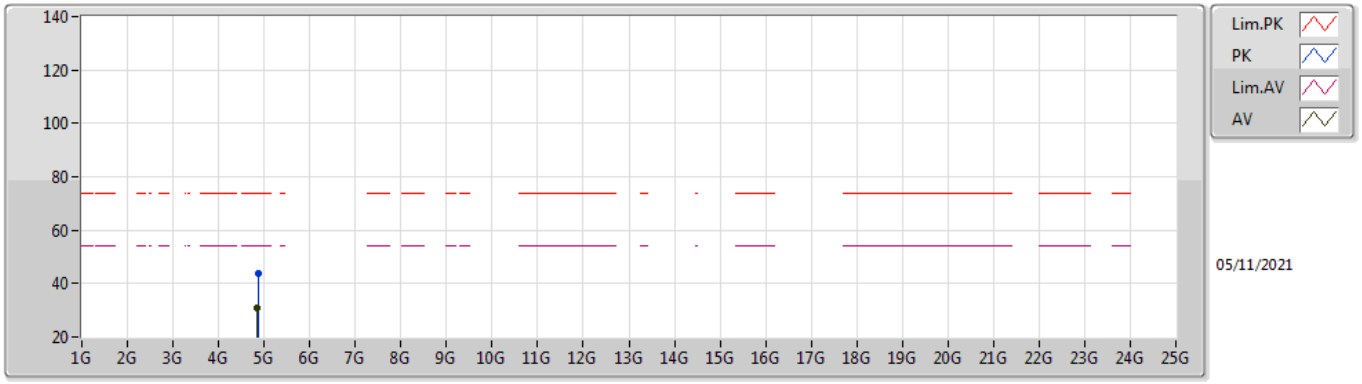


EUT Z_4TX
Setting 20.5
02-B-K-4

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	2.387G	62.69	74.00	-11.31	31.53	3	Horizontal	183	2.48	-	28.37	2.79	-
AV	2.3874G	48.76	54.00	-5.24	17.60	3	Horizontal	183	2.48	-	28.37	2.79	-
PK	2.435G	114.42	Inf	-Inf	83.19	3	Horizontal	183	2.48	-	28.40	2.83	-
AV	2.435G	101.84	Inf	-Inf	70.61	3	Horizontal	183	2.48	-	28.40	2.83	-
PK	2.4838G	60.86	74.00	-13.14	29.44	3	Horizontal	183	2.48	-	28.54	2.88	-
AV	2.4835G	48.19	54.00	-5.81	16.78	3	Horizontal	183	2.48	-	28.53	2.88	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX

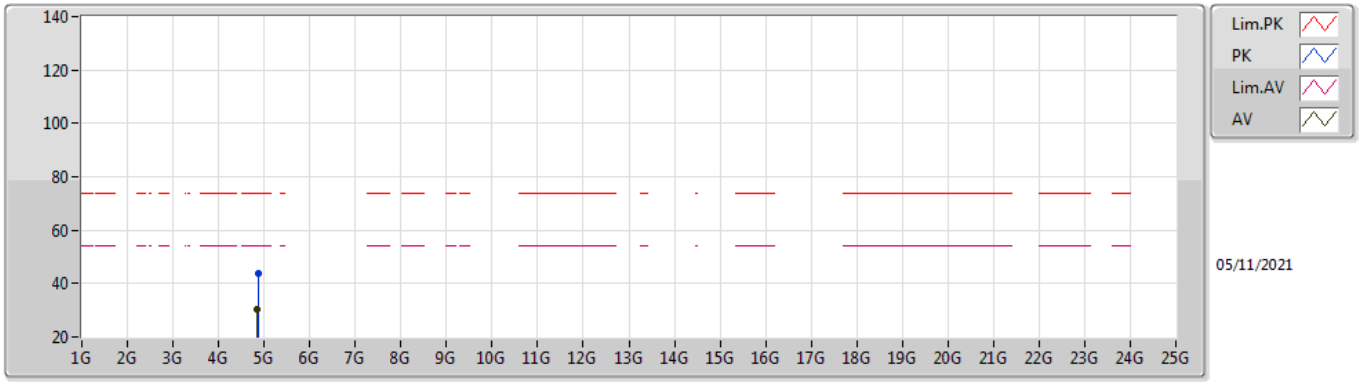


EUT Z_4TX
Setting 20.5
02-B-K-4

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	4.8868G	43.90	74.00	-30.10	38.03	3	Vertical	87	2.43	-	32.97	5.10	32.20
AV	4.8452G	30.66	54.00	-23.34	24.90	3	Vertical	87	2.43	-	32.88	5.10	32.22

802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX

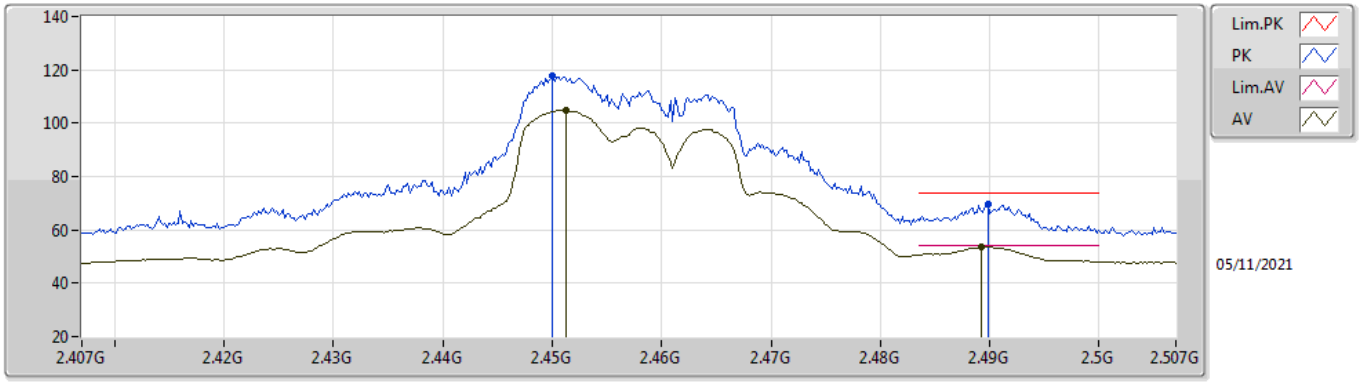


EUT Z_4TX
Setting 20.5
02-B-K-4

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	4.8654G	43.86	74.00	-30.14	38.04	3	Horizontal	187	2.84	-	32.93	5.10	32.21
AV	4.8414G	30.52	54.00	-23.48	24.77	3	Horizontal	187	2.84	-	32.87	5.10	32.22

802.11ax HEW20_Nss1,(MCS0)_4TX

2457MHz_TX

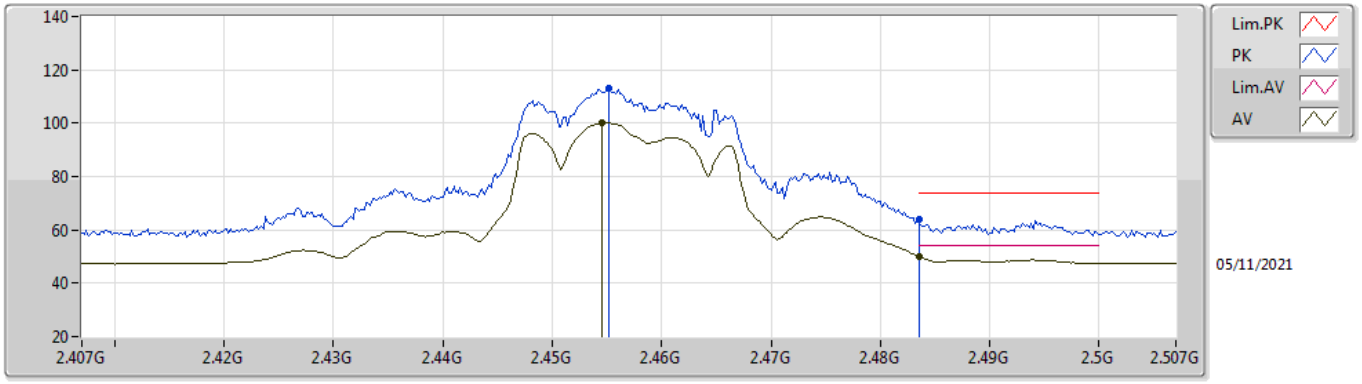


EUT Z_4TX
Setting 18
02-B-K-4

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	2.45G	117.58	Inf	-Inf	86.33	3	Vertical	175	1.82	-	28.40	2.85	-
AV	2.4512G	104.91	Inf	-Inf	73.66	3	Vertical	175	1.82	-	28.40	2.85	-
PK	2.4898G	69.50	74.00	-4.50	38.05	3	Vertical	175	1.82	-	28.56	2.89	-
AV	2.4892G	53.62	54.00	-0.38	22.17	3	Vertical	175	1.82	-	28.56	2.89	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2457MHz_TX

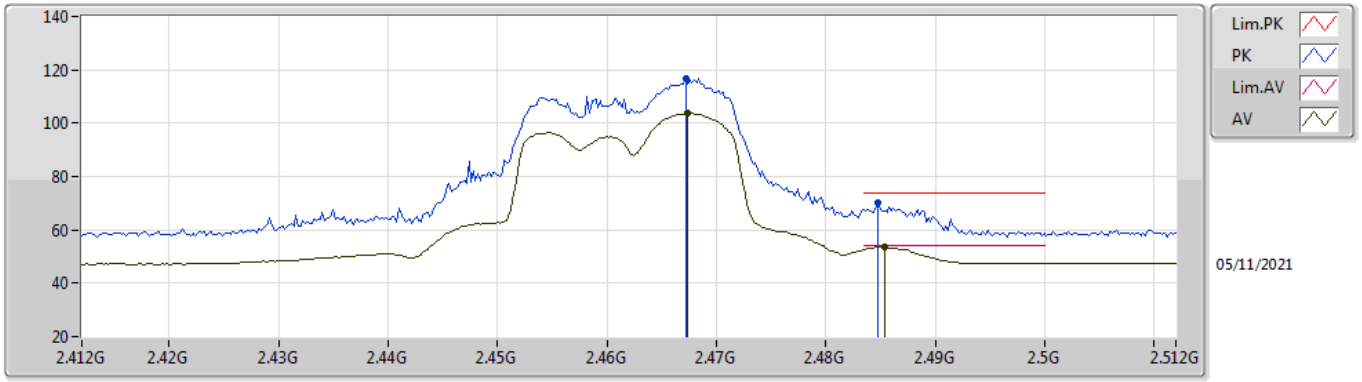


EUT Z_4TX
Setting 18
02-B-K-4

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	2.4552G	112.92	Inf	-Inf	81.64	3	Horizontal	182	2.65	-	28.42	2.86	-
AV	2.4546G	100.14	Inf	-Inf	68.87	3	Horizontal	182	2.65	-	28.42	2.85	-
PK	2.4835G	64.03	74.00	-9.97	32.62	3	Horizontal	182	2.65	-	28.53	2.88	-
AV	2.4835G	50.04	54.00	-3.96	18.63	3	Horizontal	182	2.65	-	28.53	2.88	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz_TX

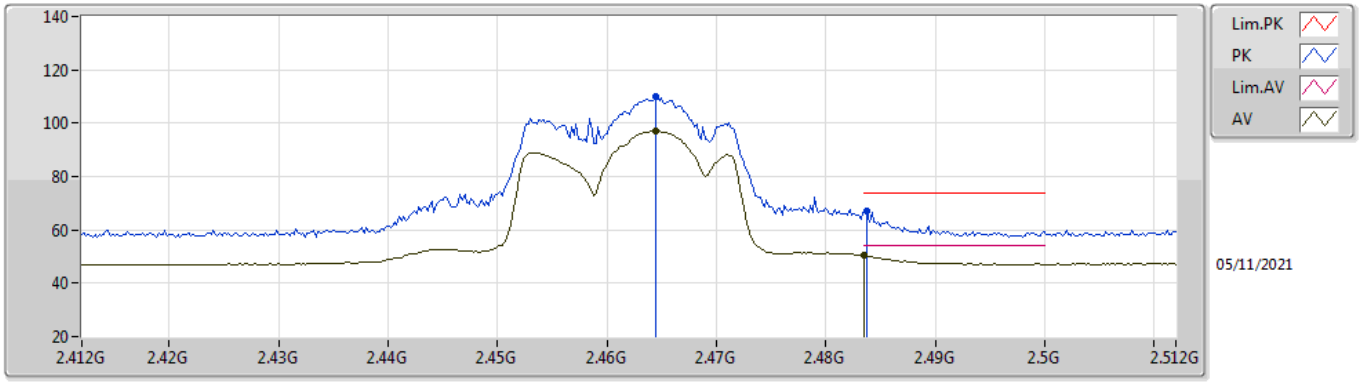


EUT Z_4TX
Setting 15.5
02-B-K-4

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	2.4672G	116.55	Inf	-Inf	85.21	3	Vertical	73	2.70	-	28.47	2.87	-
AV	2.4674G	103.66	Inf	-Inf	72.32	3	Vertical	73	2.70	-	28.47	2.87	-
PK	2.4848G	70.03	74.00	-3.97	38.61	3	Vertical	73	2.70	-	28.54	2.88	-
AV	2.4854G	53.55	54.00	-0.45	22.12	3	Vertical	73	2.70	-	28.54	2.89	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz_TX

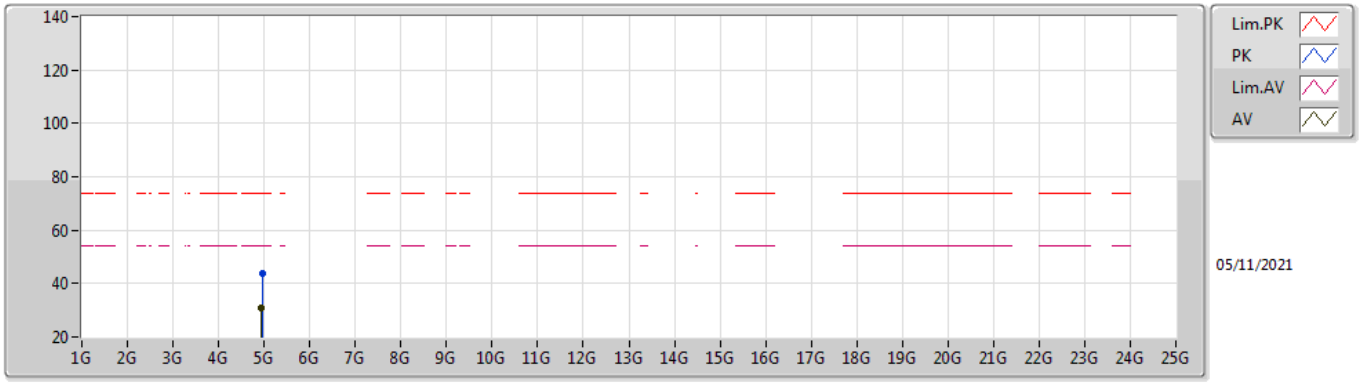


EUT Z_4TX
Setting 15.5
02-B-K-4

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	2.4644G	109.96	Inf	-Inf	78.64	3	Horizontal	120	2.77	-	28.46	2.86	-
AV	2.4644G	97.06	Inf	-Inf	65.74	3	Horizontal	120	2.77	-	28.46	2.86	-
PK	2.4838G	66.84	74.00	-7.16	35.42	3	Horizontal	120	2.77	-	28.54	2.88	-
AV	2.4835G	50.54	54.00	-3.46	19.13	3	Horizontal	120	2.77	-	28.53	2.88	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz_TX

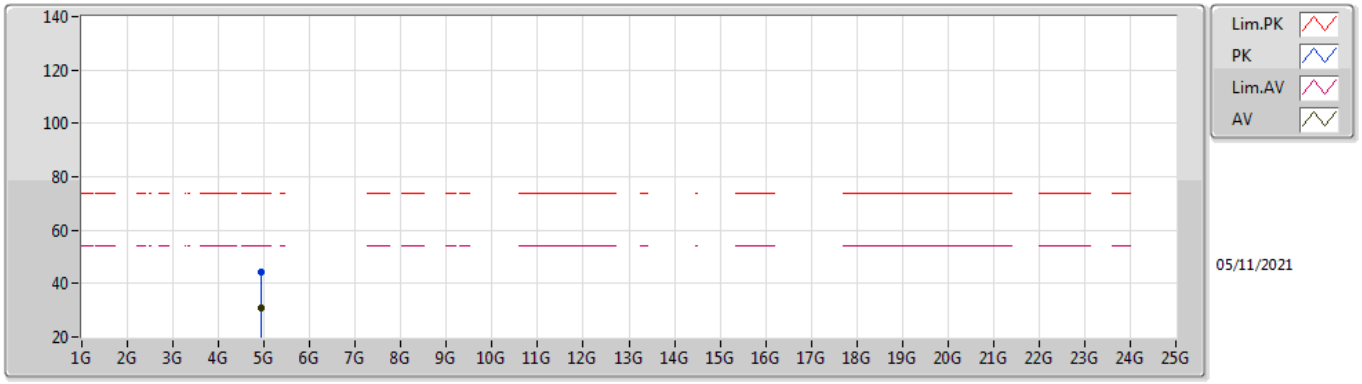


EUT Z_4TX
Setting 15.5
02-B-K-4

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	4.953G	43.81	74.00	-30.19	37.60	3	Vertical	151	2.45	-	33.29	5.10	32.18
AV	4.9368G	30.71	54.00	-23.29	24.57	3	Vertical	151	2.45	-	33.22	5.10	32.18

802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz_TX

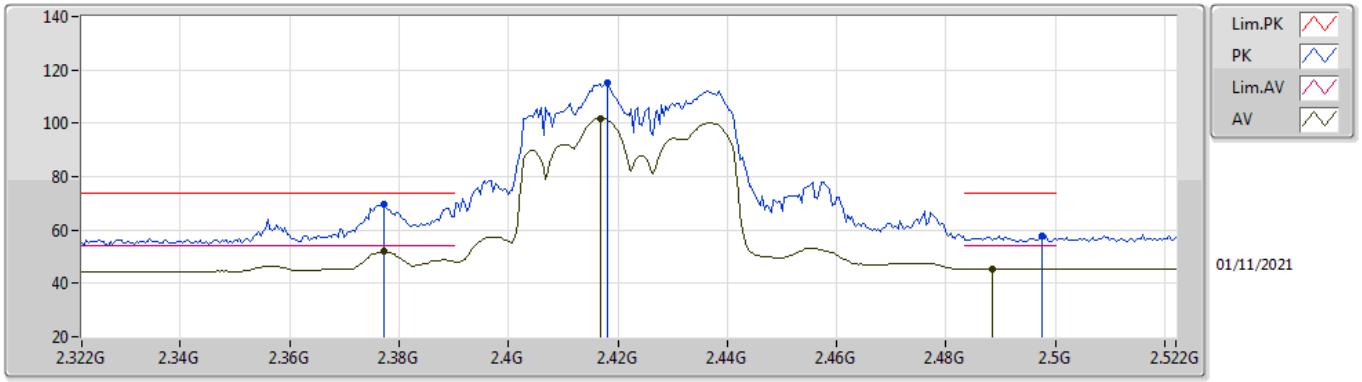


EUT Z_4TX
Setting 15.5
02-B-K-4

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	4.9286G	44.39	74.00	-29.61	38.31	3	Horizontal	258	2.46	-	33.17	5.10	32.19
AV	4.9462G	30.78	54.00	-23.22	24.58	3	Horizontal	258	2.46	-	33.28	5.10	32.18

802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz_TX

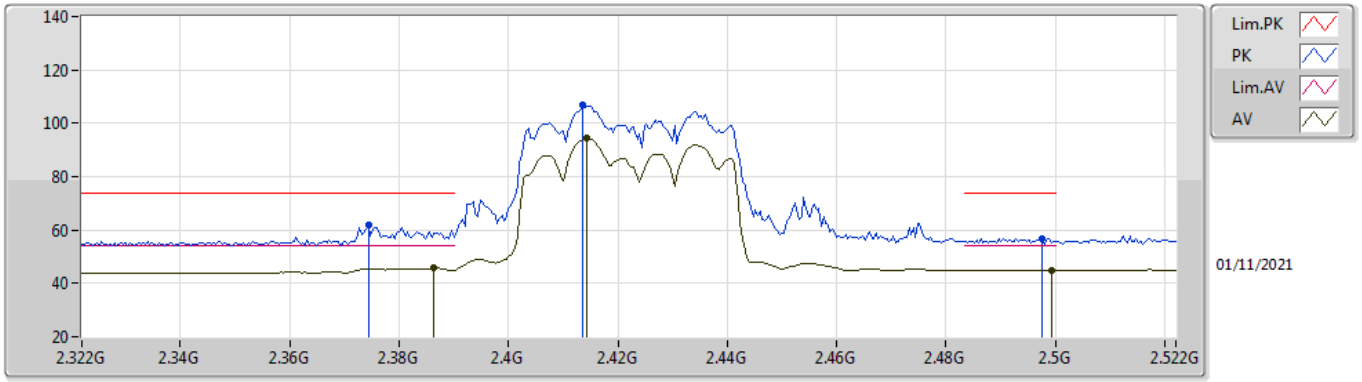


EUT Z_4TX
Setting 15.5
04-A-P-2

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	2.3772G	69.67	74.00	-4.33	37.57	3	Vertical	273	3.00	-	29.31	2.79	-
AV	2.3772G	52.16	54.00	-1.84	20.06	3	Vertical	273	3.00	-	29.31	2.79	-
PK	2.418G	114.94	Inf	-Inf	82.69	3	Vertical	273	3.00	-	29.44	2.81	-
AV	2.4168G	101.84	Inf	-Inf	69.60	3	Vertical	273	3.00	-	29.43	2.81	-
PK	2.4976G	57.84	74.00	-16.16	24.82	3	Vertical	273	3.00	-	30.17	2.85	-
AV	2.4884G	45.37	54.00	-8.63	12.49	3	Vertical	273	3.00	-	30.04	2.84	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz_TX

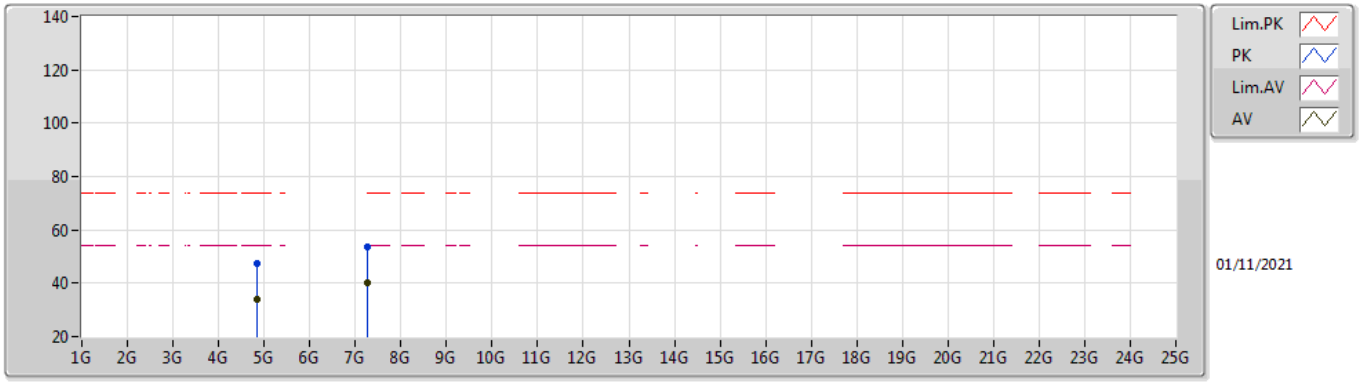


EUT Z_4TX
Setting 15.5
04-A-P-2

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	2.3744G	61.69	74.00	-12.31	29.60	3	Horizontal	139	1.80	-	29.30	2.79	-
AV	2.3864G	45.76	54.00	-8.24	13.62	3	Horizontal	139	1.80	-	29.35	2.79	-
PK	2.4136G	106.70	Inf	-Inf	74.46	3	Horizontal	139	1.80	-	29.43	2.81	-
AV	2.4144G	94.31	Inf	-Inf	62.07	3	Horizontal	139	1.80	-	29.43	2.81	-
PK	2.4976G	56.94	74.00	-17.06	23.92	3	Horizontal	139	1.80	-	30.17	2.85	-
AV	2.4992G	44.95	54.00	-9.05	11.91	3	Horizontal	139	1.80	-	30.19	2.85	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz_TX

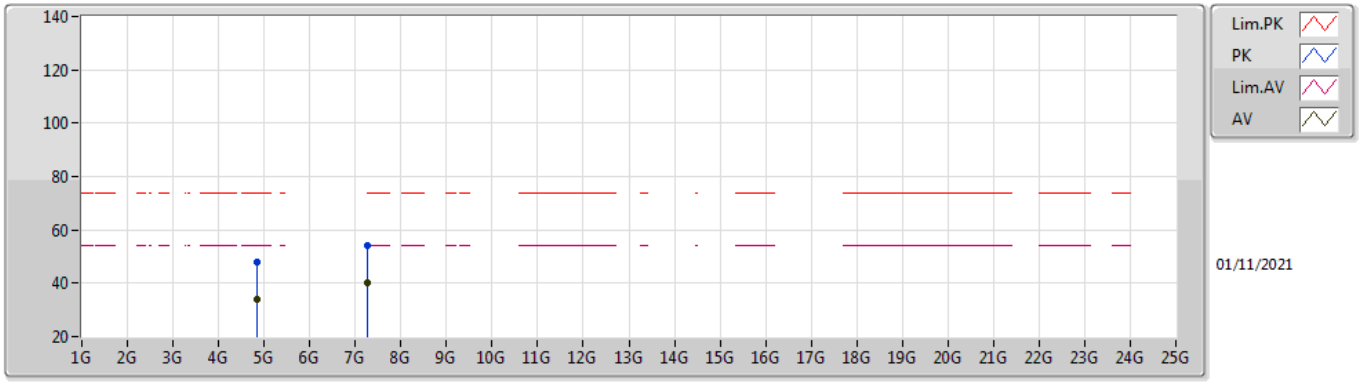


EUT Z_4TX
Setting 15.5
04-A-P-2

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	4.8453G	47.57	74.00	-26.43	42.32	3	Vertical	29	1.82	-	33.67	4.82	33.24
AV	4.84814G	33.98	54.00	-20.02	28.71	3	Vertical	29	1.82	-	33.69	4.82	33.24
PK	7.26484G	53.65	74.00	-20.35	41.77	3	Vertical	174	1.77	-	39.46	6.03	33.61
AV	7.2616G	40.19	54.00	-13.81	28.31	3	Vertical	174	1.77	-	39.45	6.03	33.60

802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz_TX

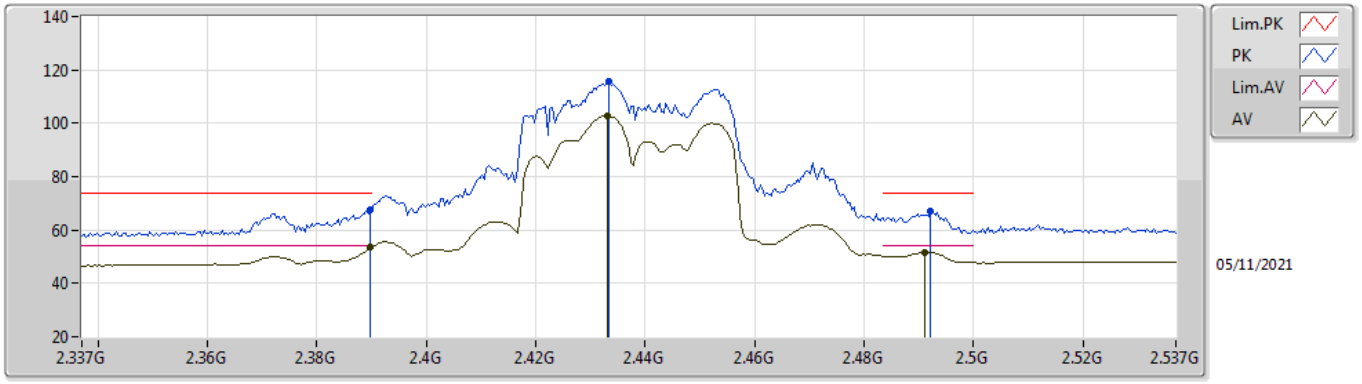


EUT Z_4TX
Setting 15.5
04-A-P-2

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	4.84112G	47.72	74.00	-26.28	42.49	3	Horizontal	100	2.89	-	33.65	4.82	33.24
AV	4.8487G	34.03	54.00	-19.97	28.76	3	Horizontal	100	2.89	-	33.69	4.82	33.24
PK	7.26988G	54.15	74.00	-19.85	42.25	3	Horizontal	6	2.30	-	39.48	6.03	33.61
AV	7.26374G	40.25	54.00	-13.75	28.38	3	Horizontal	6	2.30	-	39.45	6.03	33.61

802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz_TX

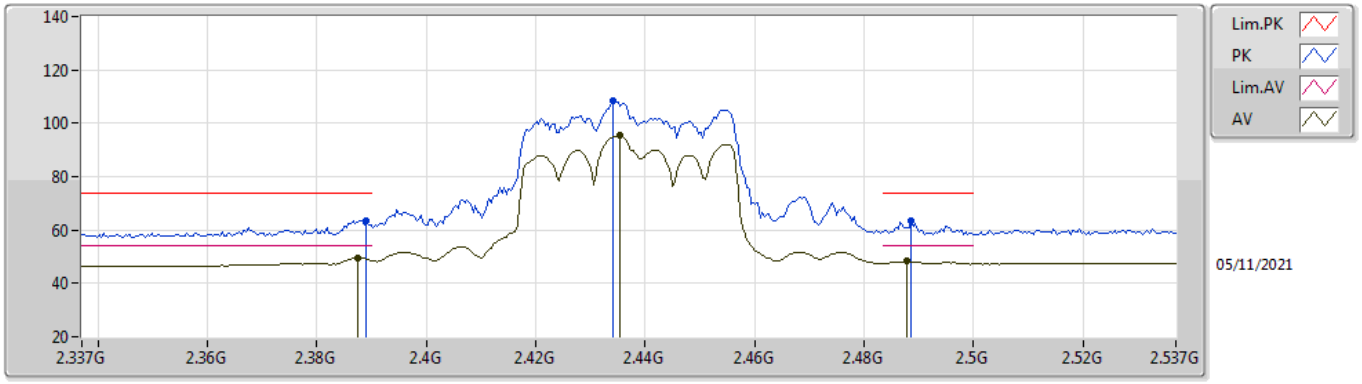


EUT Z_4TX
Setting 16.5
02-B-K-4

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	67.41	74.00	-6.59	36.24	3	Vertical	270	2.72	-	28.38	2.79	-
AV	2.3898G	53.66	54.00	-0.34	22.49	3	Vertical	270	2.72	-	28.38	2.79	-
PK	2.4334G	115.46	Inf	-Inf	84.23	3	Vertical	270	2.72	-	28.40	2.83	-
AV	2.433G	102.90	Inf	-Inf	71.67	3	Vertical	270	2.72	-	28.40	2.83	-
PK	2.4922G	67.14	74.00	-6.86	35.68	3	Vertical	270	2.72	-	28.57	2.89	-
AV	2.491G	51.52	54.00	-2.48	20.07	3	Vertical	270	2.72	-	28.56	2.89	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz_TX

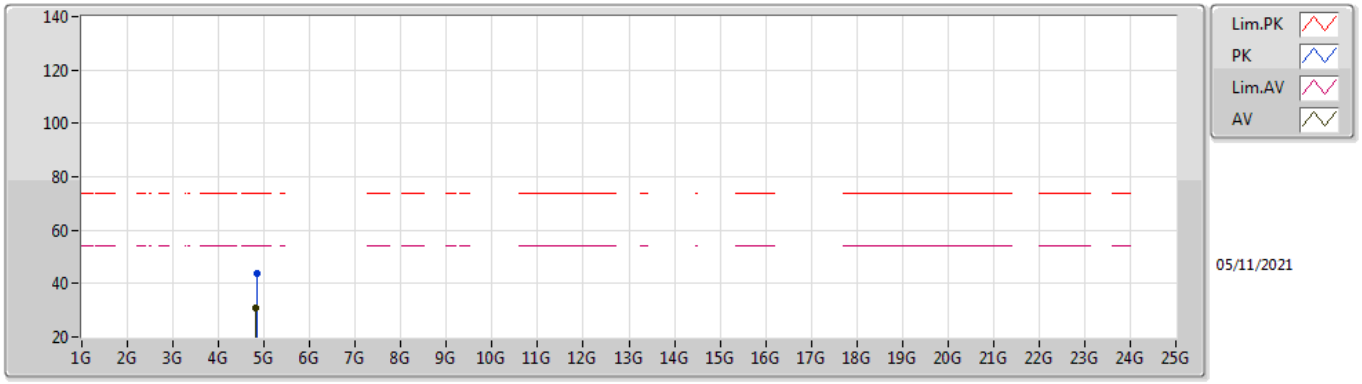


EUT Z_4TX
Setting 16.5
02-B-K-4

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	2.389G	63.53	74.00	-10.47	32.36	3	Horizontal	182	2.49	-	28.38	2.79	-
AV	2.3874G	49.52	54.00	-4.48	18.36	3	Horizontal	182	2.49	-	28.37	2.79	-
PK	2.4342G	108.43	Inf	-Inf	77.20	3	Horizontal	182	2.49	-	28.40	2.83	-
AV	2.4354G	95.33	Inf	-Inf	64.09	3	Horizontal	182	2.49	-	28.40	2.84	-
PK	2.4886G	63.32	74.00	-10.68	31.88	3	Horizontal	182	2.49	-	28.55	2.89	-
AV	2.4878G	48.22	54.00	-5.78	16.78	3	Horizontal	182	2.49	-	28.55	2.89	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz_TX

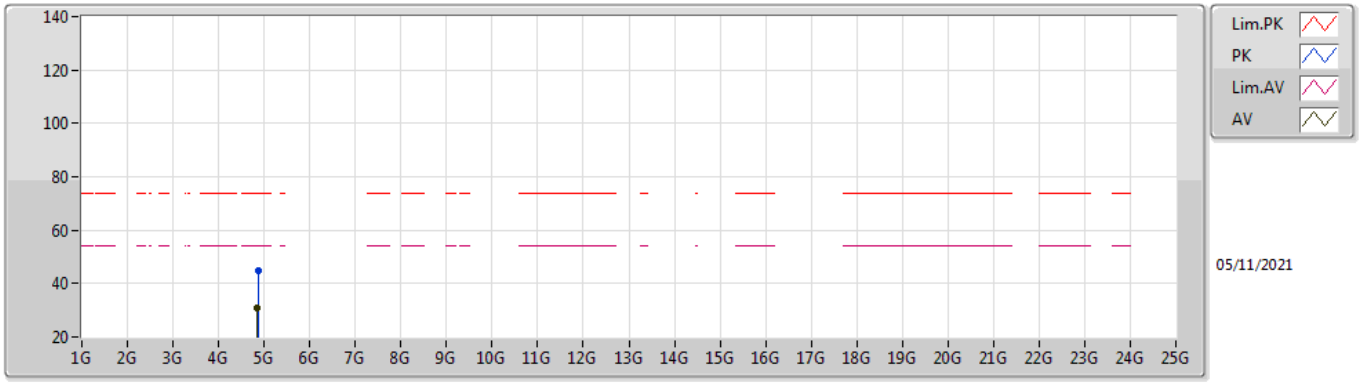


EUT Z_4TX
Setting 16.5
02-B-K-4

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	4.8412G	43.88	74.00	-30.12	38.14	3	Vertical	293	2.46	-	32.86	5.10	32.22
AV	4.8244G	30.61	54.00	-23.39	24.93	3	Vertical	293	2.46	-	32.80	5.10	32.22

802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz_TX

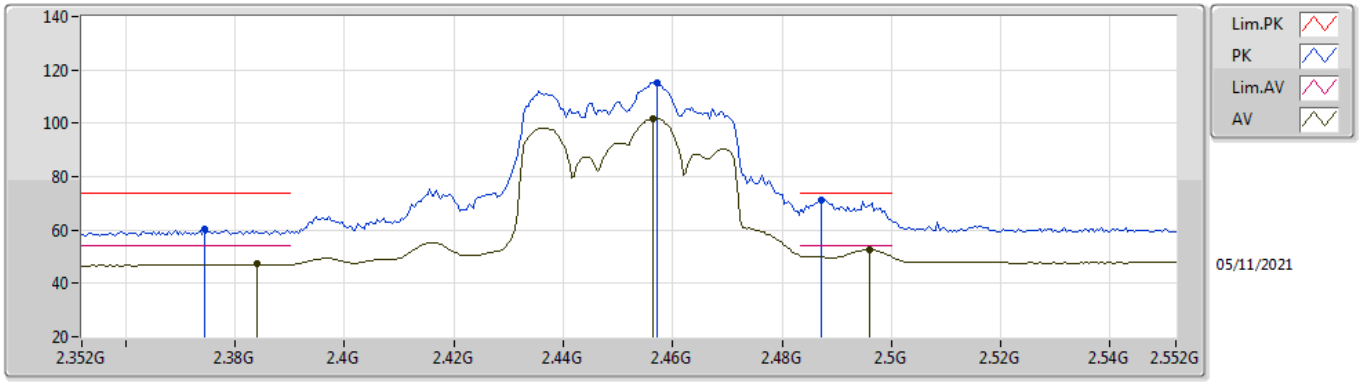


EUT Z_4TX
Setting 16.5
02-B-K-4

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	4.8714G	44.62	74.00	-29.38	38.79	3	Horizontal	125	1.47	-	32.94	5.10	32.21
AV	4.8344G	30.85	54.00	-23.15	25.13	3	Horizontal	125	1.47	-	32.84	5.10	32.22

802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz_TX

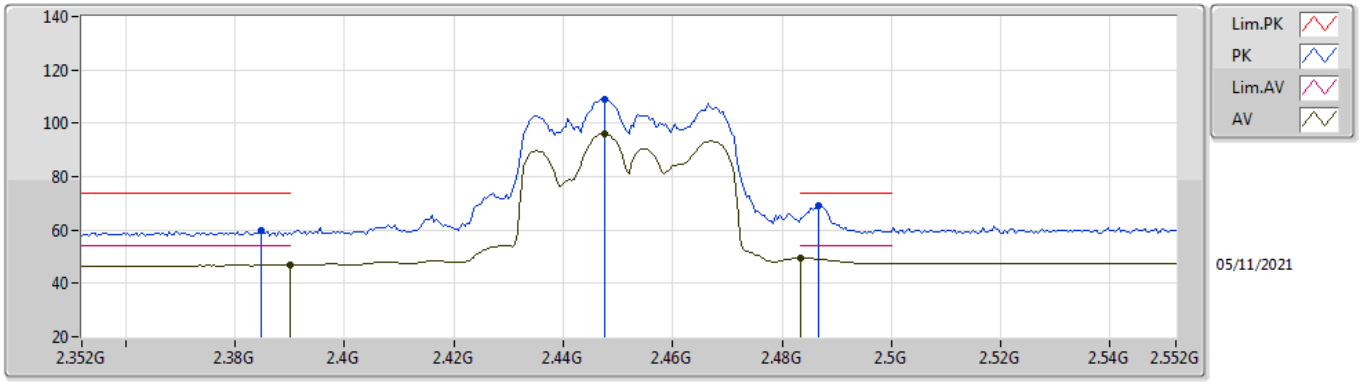


EUT Z_4TX
Setting 15.5
02-B-K-4

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	2.3744G	60.11	74.00	-13.89	28.97	3	Vertical	301	2.68	-	28.35	2.79	-
AV	2.384G	47.21	54.00	-6.79	16.05	3	Vertical	301	2.68	-	28.37	2.79	-
PK	2.4572G	115.00	Inf	-Inf	83.71	3	Vertical	301	2.68	-	28.43	2.86	-
AV	2.4564G	101.78	Inf	-Inf	70.49	3	Vertical	301	2.68	-	28.43	2.86	-
PK	2.4872G	71.30	74.00	-2.70	39.86	3	Vertical	301	2.68	-	28.55	2.89	-
AV	2.496G	52.55	54.00	-1.45	21.07	3	Vertical	301	2.68	-	28.58	2.90	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz_TX

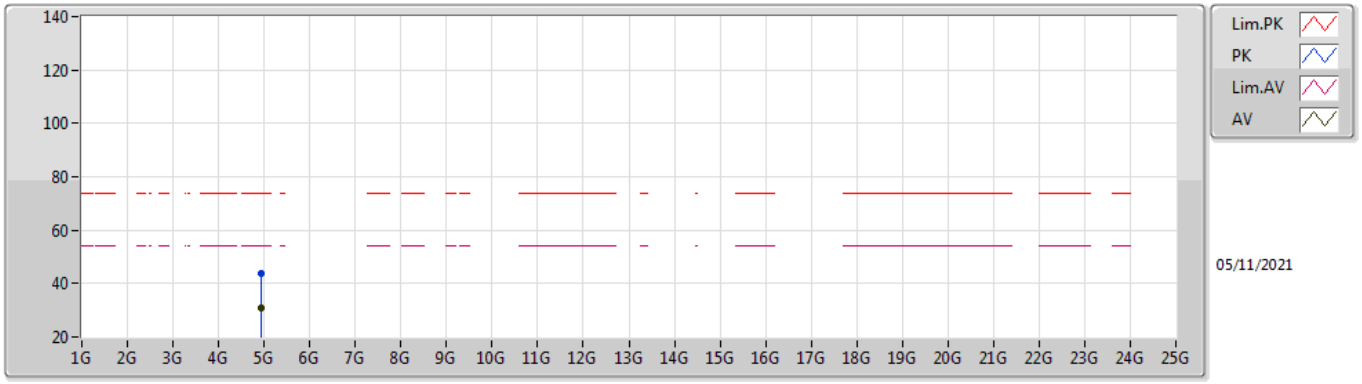


EUT Z_4TX
Setting 15.5
02-B-K-4

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	2.3848G	59.57	74.00	-14.43	28.41	3	Horizontal	36	2.90	-	28.37	2.79	-
AV	2.39G	46.82	54.00	-7.18	15.65	3	Horizontal	36	2.90	-	28.38	2.79	-
PK	2.4476G	109.19	Inf	-Inf	77.94	3	Horizontal	36	2.90	-	28.40	2.85	-
AV	2.4476G	95.95	Inf	-Inf	64.70	3	Horizontal	36	2.90	-	28.40	2.85	-
PK	2.4868G	69.29	74.00	-4.71	37.85	3	Horizontal	36	2.90	-	28.55	2.89	-
AV	2.4835G	49.58	54.00	-4.42	18.17	3	Horizontal	36	2.90	-	28.53	2.88	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz_TX

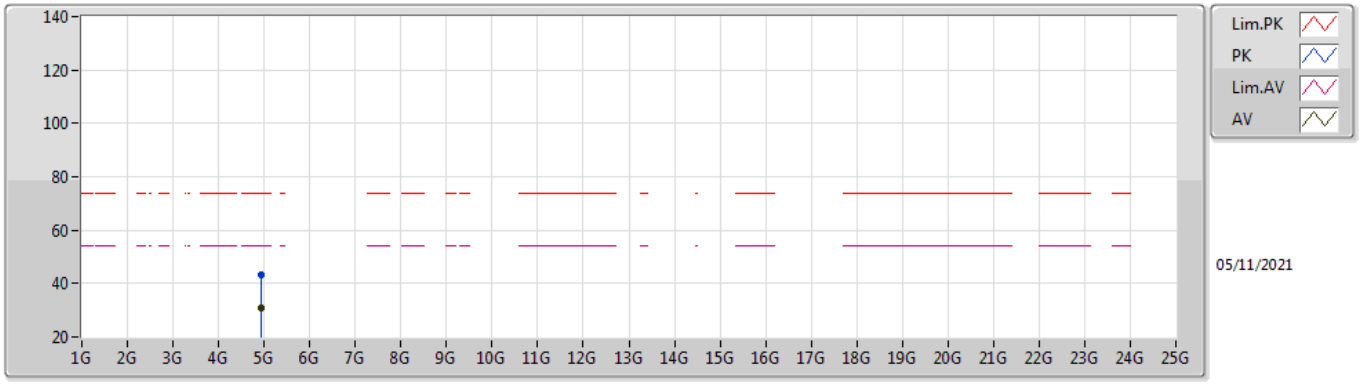


EUT Z_4TX
Setting 15.5
02-B-K-4

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	4.9214G	43.66	74.00	-30.34	37.62	3	Vertical	66	1.18	-	33.13	5.10	32.19
AV	4.9274G	30.77	54.00	-23.23	24.70	3	Vertical	66	1.18	-	33.16	5.10	32.19

802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz_TX



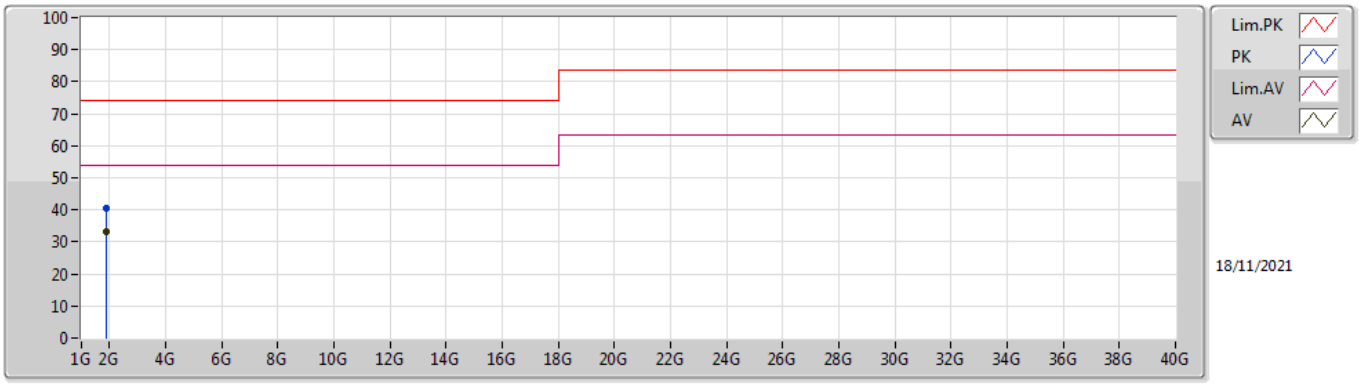
EUT Z_4TX
Setting 15.5
02-B-K-4

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	4.9278G	43.46	74.00	-30.54	37.38	3	Horizontal	286	2.18	-	33.17	5.10	32.19
AV	4.9263G	30.70	54.00	-23.30	24.63	3	Horizontal	286	2.18	-	33.16	5.10	32.19

Summary

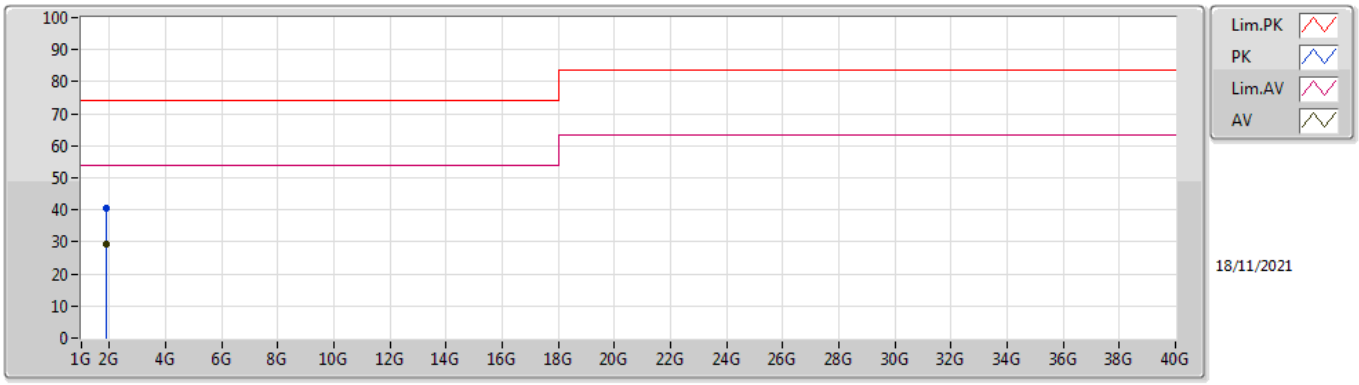
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	1.90102G	33.12	54.00	-20.88	Vertical

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	1.90258G	40.56	74.00	-33.44	-3.37	3	Vertical	18	1.31	-	43.93	25.91	4.15	33.43
AV	1.90102G	33.12	54.00	-20.88	-3.38	3	Vertical	18	1.31	-	36.50	25.90	4.15	33.43

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	1.9009G	40.58	74.00	-33.42	-3.38	3	Horizontal	358	1.22	-	43.96	25.90	4.15	33.43
AV	1.9021G	29.17	54.00	-24.83	-3.37	3	Horizontal	358	1.22	-	32.54	25.91	4.15	33.43