RADIO TEST REPORT

FCC ID	:	**O2U-5842**
Equipment	:	**Wireless Access Point**
Brand Name	:	cbn
Model Name	:	**WR5842**
Applicant	:	**COMPAL BROADBAND NETWORKS,INC.** **13F-1, No.1, Taiyuan 1st St., Zhubei City, Hsinchu County 30288, Taiwan, R.O.C.**
Manufacturer	:	**COMPAL BROADBAND NETWORKS,INC.** **13F-1, No.1, Taiyuan 1st St., Zhubei City, Hsinchu County 30288, Taiwan, R.O.C.**
Standard	:	**47 CFR FCC Part 15.247**

The product was received on Apr. 14, 2022, and testing was started from Apr. 25, 2022 and completed on Jul. 07, 2022. 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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Appendix G. Test Photos

Photographs of EUT v01

History of this test report

Report No.	Version	Description	Issued Date
FR241343AA	01	Initial issue of report	Jun. 30, 2022
FR241343AA	02	1. Revising antenna gain of ant.1~ant.3 and re-evaluated related test. 2. Revising ant.3~ant.4 of moel name	Jul. 12, 2022

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:

1. The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers. It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results.
2. The measurement uncertainty please refer to report "Measurement Uncertainty".

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Sam Chen
Report Producer: Viola Huang

1 General Description

1.1 Information

1.1.1 RF General Information

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

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

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.
- 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.	2.4GHz Port	5GHz Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	-	LYNWAVE	ALX21P-052AA2-00	PCB Antenna	I-PEX	3.1
2	2	-	LYNWAVE	ALX21P-052AA3-00	PCB Antenna	I-PEX	3.3
3	-	1	LYNWAVE	ALX21P-092AA1-00	PCB Antenna	I-PEX	4.7
4	-	2	LYNWAVE	ALX21P-092AA2-00	PCB Antenna	I-PEX	4.8

Note 1: The above information was declared by manufacturer.
Note 2: The EUT has four antennas.
Note 3: Directional gain information.

Type	Maximum Output Power	Power Spectral Density
Non-BF	Directional gain = Max.gain + array gain. For power measurements on IEEE 802.11 devices Array Gain = 0 dB (i.e., no array gain) for N ANT ≤ 4	$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$

Ex.

Directional Gain (NSS1) formula :

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$

NSS1(g1,1) = $10^{G1/20}$; NSS1(g1,2)= $10^{G2/20}$

gj,k =$(Nss1(g1,1) + Nss1(g1,2))^2$

DG = 10 log[$(Nss1(g1,1) + Nss1(g1,2))^2$ / N_{ANT}] => 10 log[$(10^{G1/20} + 10^{G2/20})^2$ / N_{ANT}]

Where ;

2.4G：G1 = 3.1 dBi ; G2 = 3.3 dBi ; DG = 6.21 dBi

5G：G1 = 4.7 dBi ; G2 = 4.8 dBi ; DG = 7.76 dBi

For 2.4GHz:
For IEEE 802.11b/g/n/ax mode (2TX/2RX):
Port 1, Port 2 can be used as transmitting/receiving antenna.
Port 1, Port 2 could transmit/receive simultaneously.
For 5GHz:
For IEEE 802.11a/n/ac/ax mode (2TX/2RX):
Port 1, Port 2 can be used as transmitting/receiving antenna.
Port 1, Port 2 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.983	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.99	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW20	0.997	0.01	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40	0.997	0.01	n/a (DC>=0.98)	n/a (DC>=0.98)

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

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for 11ax in 2.4GHz and 11n/11ac/11ax in 5GHz.			
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	QSPR 5.0-00199			

Note: The above information was declared by manufacturer.

1.2 Applicable Standards

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

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

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

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

1.3 Testing Location Information

Testing Location Information	
Test Lab.：Sporton International Inc. Hsinchu Laboratory	
Hsinchu	ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)
(TAF: 3787)	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	TH03-CB	Lucas Haung	20.3~21 / 59~61	May 12, 2022~Jul. 07, 2022
Radiated below 1GHz	03CH05-CB	Kevin Huang	24.2~26.1 / 55~58	Apr. 25, 2022 ~ Apr. 26, 2022
Radiated above 1GHz	03CH04-CB	KJ Chang	24.5~25.6 / 57~60	May 07, 2022 ~ May 10, 2022
AC Conduction	CO01-CB	Joe Chu	20~22 / 60~62	Apr. 27, 2022

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 Date: Before Jun. 01, 2022

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.4 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%

Test Data: After May 31, 2022

Test Items	Uncertainty	Remark
Conducted Emission	3.2 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.2 dB	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	26.5
2437MHz	26
2462MHz	26.5
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	26
2417MHz	26
2437MHz	26
2457MHz	25.5
2462MHz	23
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	24
2417MHz	26
2437MHz	26
2457MHz	25.5
2462MHz	23.5
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	21.5
2427MHz	22.5
2437MHz	24.5
2452MHz	22
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	24
2417MHz	26
2437MHz	25
2457MHz	25.5
2462MHz	23.5
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
2422MHz	21.5
2427MHz	22.5
2437MHz	24.5
2452MHz	22

Note:
- Evaluated HEW20/HEW40 mode only due to the similar modulation. The power setting of HT20/HT40 mode 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	EUT + Adapter

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

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

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.: FA241343 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

Power	Brand	Model	Rating
Adapter	Frecom	F18L10-120150SPAU	INPUT: 100-240V, 50/60Hz, 0.6A OUTPUT: 12V, 1.5A, 18W

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	2.5G WAN/LAN NB	DELL	E6430	N/A
B	1G LAN NB	DELL	E6430	N/A
C	5G NB	DELL	E6430	N/A
D	2.4G NB	DELL	E6430	N/A

For Radiated (below 1GHz):

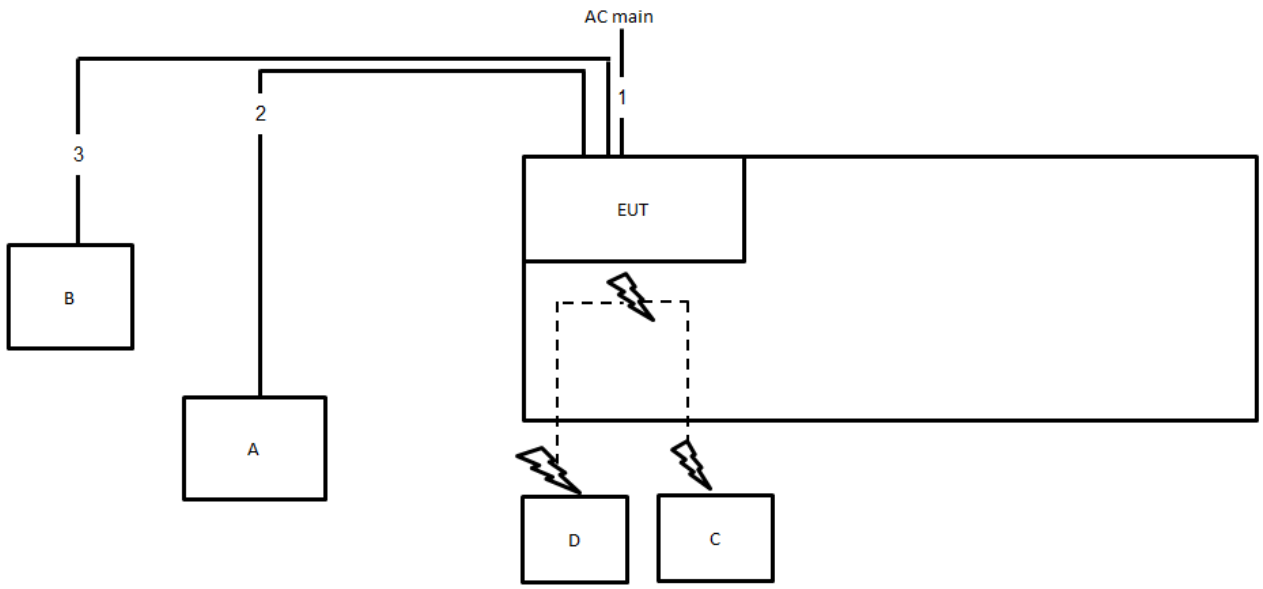
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook(LAN)	DELL	E4300	N/A
B	Notebook(WAN)	DELL	E4300	N/A
C	Notebook(2.4G)	DELL	E4300	N/A
D	Notebook(5G)	DELL	E4300	N/A

For Radiated (above 1GHz) and RF Conducted:

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

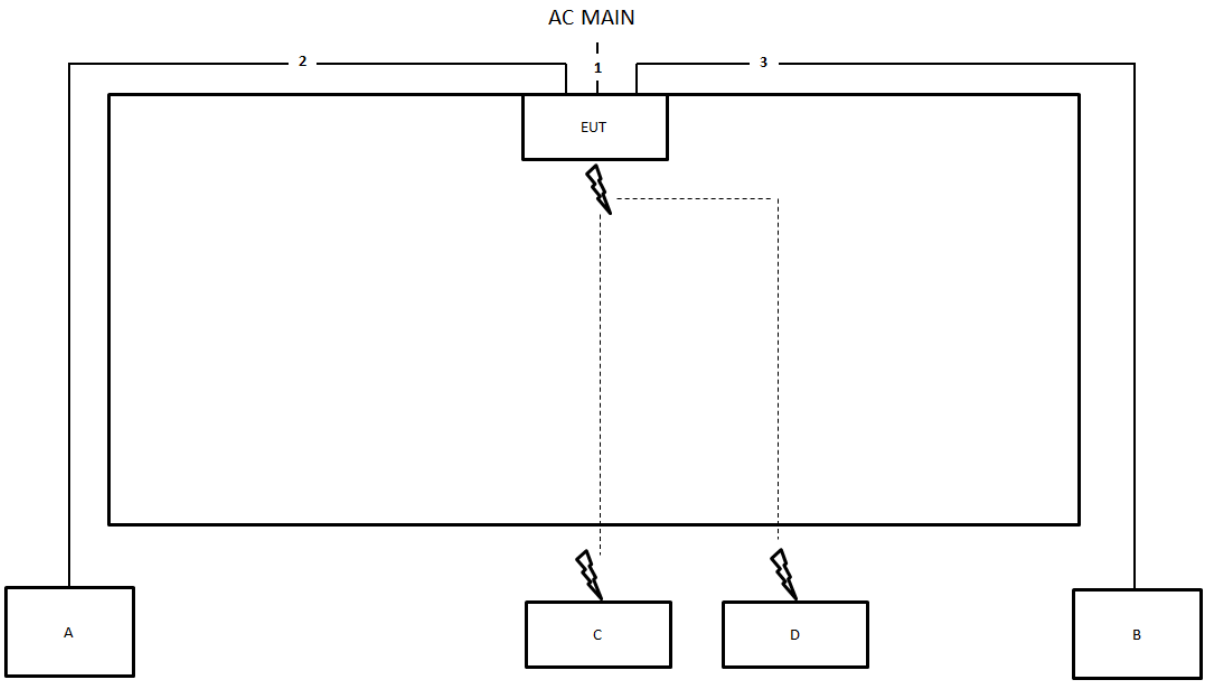
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



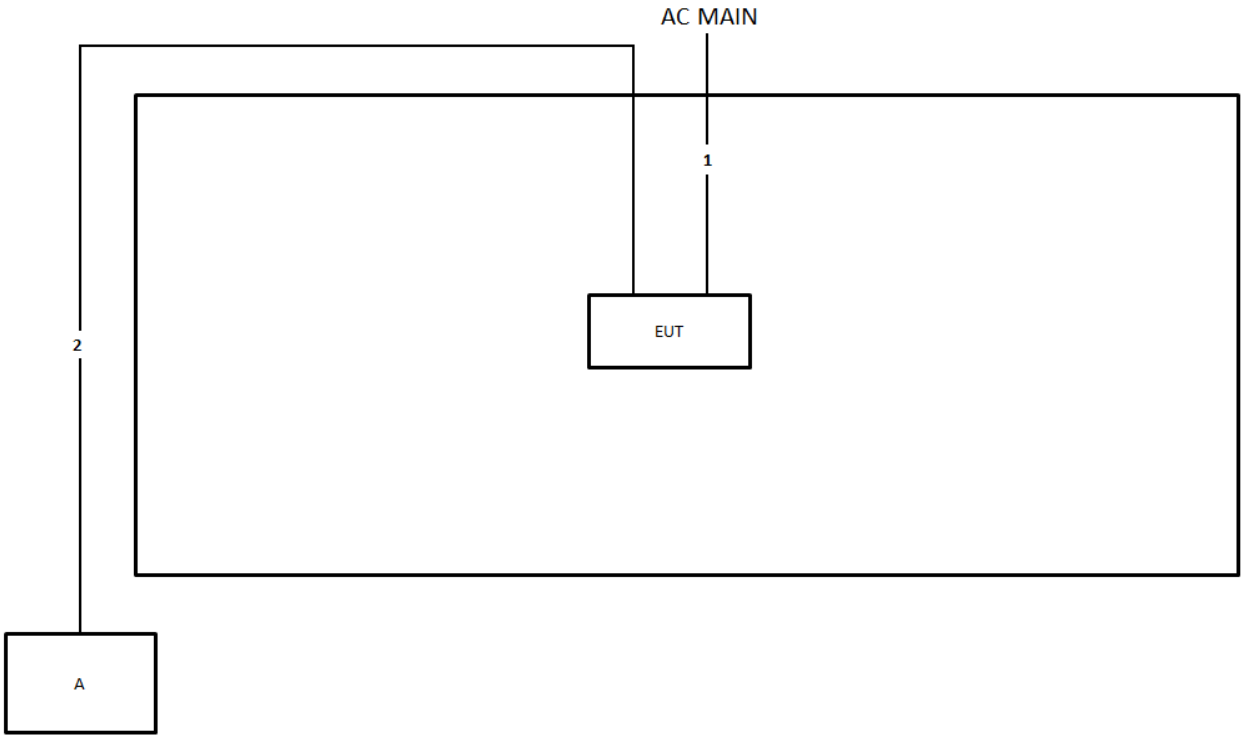
Item	Connection	Shielded	Length
1	Power cable	No	2m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test < 1GHz



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

Test Setup Diagram - Radiated Test > 1GHz



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

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

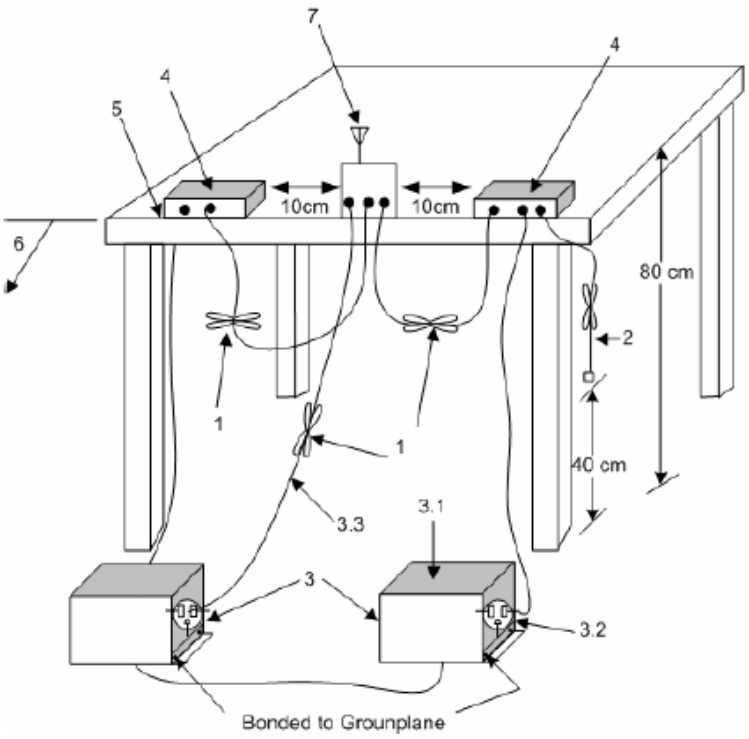
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



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

3.1.5 Measurement Results Calculation

The measured Level is calculated using:

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

b. Margin = -Limit + Level

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

3.2.2 Measuring Instruments

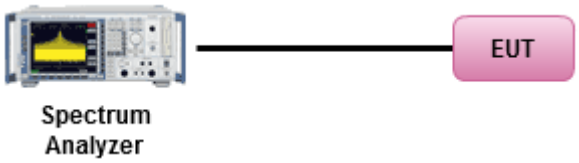
Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

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

3.2.4 Test Setup

Emission Bandwidth



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)

3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

3.4.2 Measuring Instruments

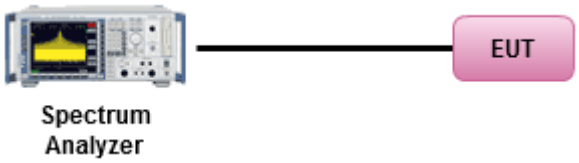
Refer a test equipment and calibration data table in this test report.

3.4.3 Test Procedures

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

3.4.4 Test Setup

Power Spectral Density



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	**Limit (dBc)**
Peak output power procedure	20
Average output power procedure	30

Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level.

Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average PSD level.

3.5.2 Measuring Instruments

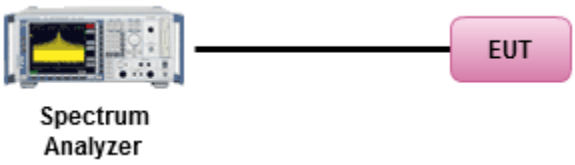
Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

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

3.5.4 Test Setup

Emissions in Non-restricted Frequency Bands



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

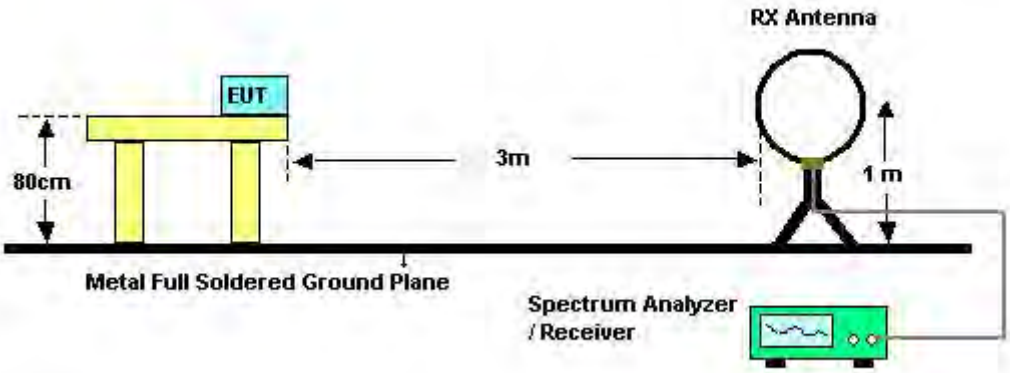
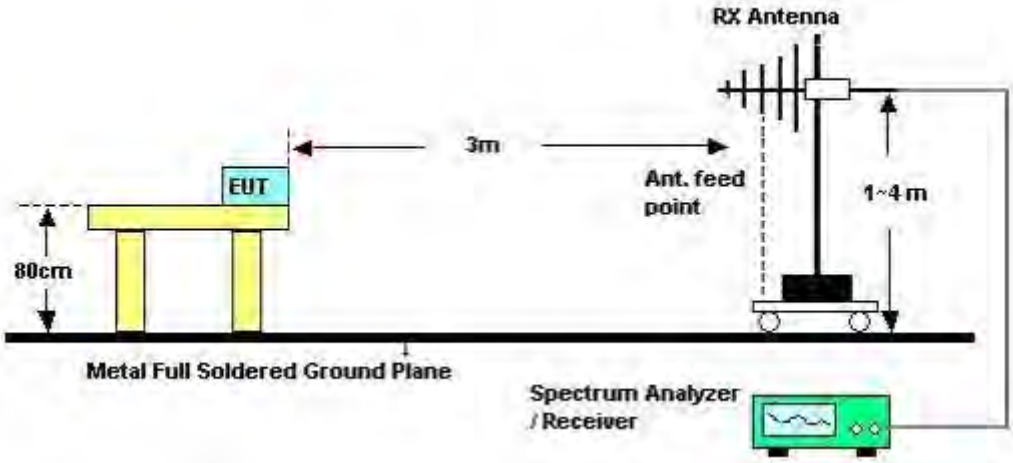
3.6.2 Measuring Instruments

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

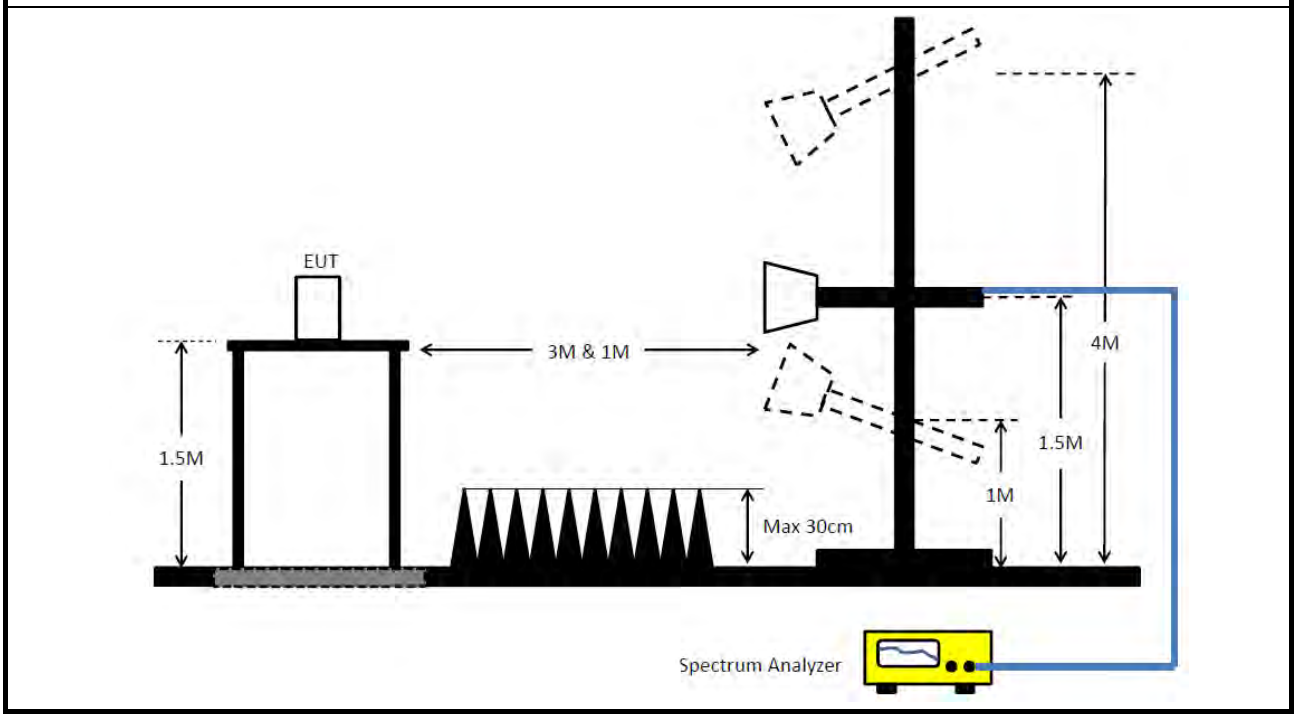
3.6.3 Test Procedures

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

3.6.4 Test Setup

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

30MHz~1GHz


Above 1GHz



3.6.5 Measurement Results Calculation

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

3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

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

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Feb. 22, 2022	Feb. 21, 2023	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 09, 2022	Feb. 08, 2023	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 12, 2022	Apr. 11, 2023	Conduction (CO01-CB)
Pulse Limiter	Rohde& Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 10, 2022	Feb. 09, 2023	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)
Loop Antenna	Teseq	HLA 6120	31244	9kHz - 30 MHz	Mar. 18, 2022	Mar. 17, 2023	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 09, 2021	Aug. 08, 2022	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 25, 2022	Mar. 24, 2023	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	Apr. 27, 2021	Apr. 26, 2022	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	Apr. 26, 2022	Apr. 25, 2023	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Mar. 14, 2022	Mar. 13, 2023	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 21, 2021	Jun. 20, 2022	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 13, 2021	Oct. 12, 2022	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 24, 2022	Feb. 23, 2023	Radiation (03CH04-CB)
Horn Antenna	ETS・Lindgren	3115	00143147	750MHz~18GHz	Oct. 25, 2021	Oct. 24, 2022	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)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Mar. 28, 2022	Mar. 27, 2023	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	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Jan. 07, 2022	Jan. 06, 2023	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1726195	300MHz~40GHz	Aug. 22, 2021	Aug. 21, 2022	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Aug. 22, 2021	Aug. 21, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-11	1 GHz –18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-12	1 GHz –18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-13	1 GHz –18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz –18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz –18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
Switch	SPTCB	SP-SWI	SWI-03	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	SWI-03-P1	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	SWI-03-P2	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	SWI-03-P3	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	SWI-03-P4	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	SWI-03-P5	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH03-CB)

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

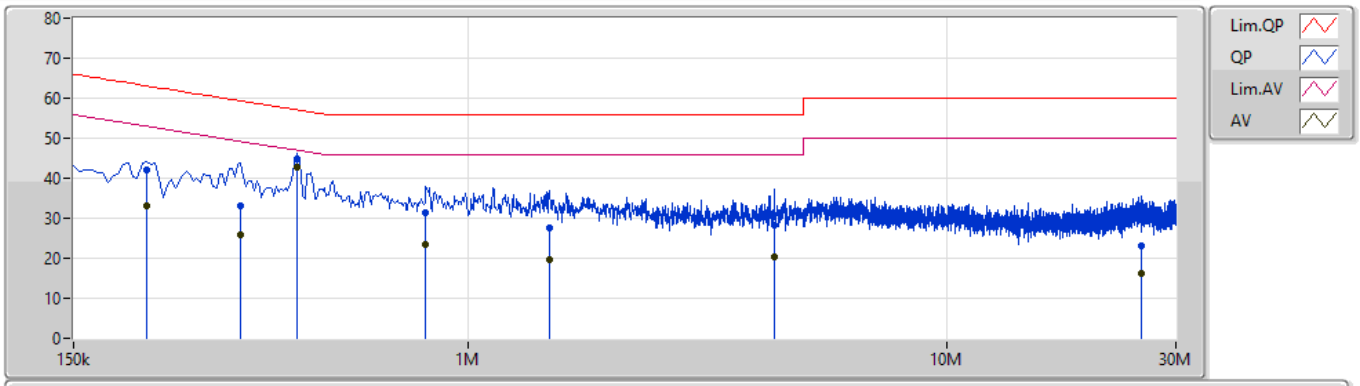
N.C.R. means Non-Calibration required.

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	438k	42.81	47.11	-4.30	Line

Mode 1

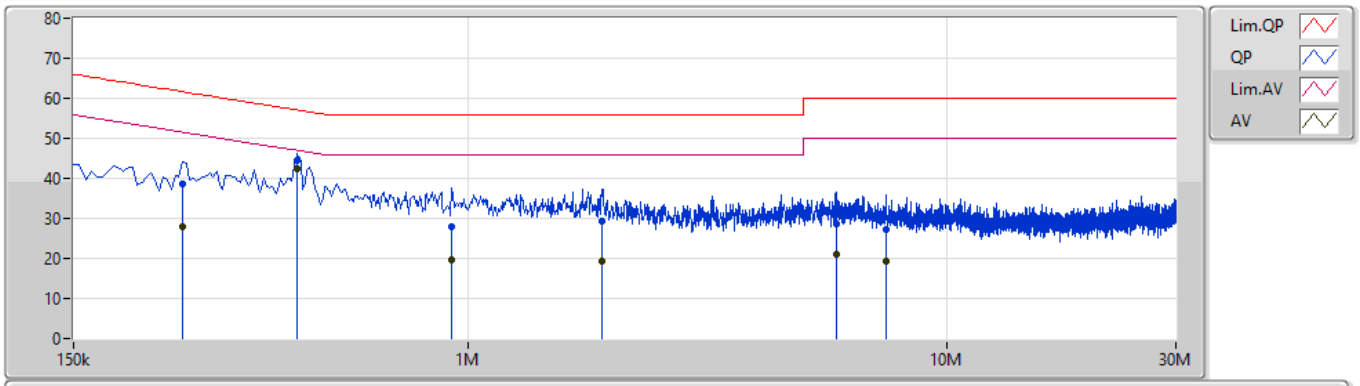
27/04/2022



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	213k	41.99	63.09	-21.10	9.97	Line	-	32.02	0.06	0.02	9.89
AV	213k	33.08	53.09	-20.01	9.97	Line	-	23.11	0.06	0.02	9.89
QP	334.5k	32.99	59.35	-26.36	9.97	Line	-	23.02	0.06	0.02	9.89
AV	334.5k	25.85	49.35	-23.50	9.97	Line	-	15.88	0.06	0.02	9.89
QP	438k	44.73	57.11	-12.38	9.97	Line	-	34.76	0.06	0.02	9.89
AV	438k	42.81	47.11	-4.30	9.97	Line	"Worst"	32.84	0.06	0.02	9.89
QP	816k	31.34	56.00	-24.66	9.98	Line	-	21.36	0.07	0.02	9.89
AV	816k	23.30	46.00	-22.70	9.98	Line	-	13.32	0.07	0.02	9.89
QP	1.482M	27.69	56.00	-28.31	10.01	Line	-	17.68	0.08	0.04	9.89
AV	1.482M	19.76	46.00	-26.24	10.01	Line	-	9.75	0.08	0.04	9.89
QP	4.353M	28.33	56.00	-27.67	10.09	Line	-	18.24	0.13	0.07	9.89
AV	4.353M	20.46	46.00	-25.54	10.09	Line	-	10.37	0.13	0.07	9.89
QP	25.454M	23.27	60.00	-36.73	10.54	Line	-	12.73	0.36	0.20	9.98
AV	25.454M	16.35	50.00	-33.65	10.54	Line	-	5.81	0.36	0.20	9.98

Mode 1

27/04/2022



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	253.5k	38.78	61.64	-22.86	9.98	Neutral	-	28.80	0.07	0.02	9.89
AV	253.5k	28.01	51.64	-23.63	9.98	Neutral	-	18.03	0.07	0.02	9.89
QP	438k	44.54	57.11	-12.57	9.98	Neutral	-	34.56	0.07	0.02	9.89
AV	438k	42.44	47.11	-4.67	9.98	Neutral	"Worst"	32.46	0.07	0.02	9.89
QP	924k	27.96	56.00	-28.04	9.99	Neutral	-	17.97	0.08	0.02	9.89
AV	924k	19.75	46.00	-26.25	9.99	Neutral	-	9.76	0.08	0.02	9.89
QP	1.905M	29.27	56.00	-26.73	10.04	Neutral	-	19.23	0.10	0.05	9.89
AV	1.905M	19.35	46.00	-26.65	10.04	Neutral	-	9.31	0.10	0.05	9.89
QP	5.852M	28.76	60.00	-31.24	10.15	Neutral	-	18.61	0.18	0.07	9.90
AV	5.852M	21.20	50.00	-28.80	10.15	Neutral	-	11.05	0.18	0.07	9.90
QP	7.445M	27.30	60.00	-32.70	10.17	Neutral	-	17.13	0.20	0.07	9.90
AV	7.445M	19.30	50.00	-30.70	10.17	Neutral	-	9.13	0.20	0.07	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)_2TX	8.575M	13.268M	13M3G1D	7.075M	12.919M
802.11g_Nss1,(6Mbps)_2TX	15.05M	16.342M	16M3D1D	13.825M	16.192M
802.11ax HEW20_Nss1,(MCS0)_2TX	15.025M	18.716M	18M7D1D	11.35M	18.641M
802.11ax HEW40_Nss1,(MCS0)_2TX	35.05M	37.481M	37M5D1D	24.3M	37.031M

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

Result

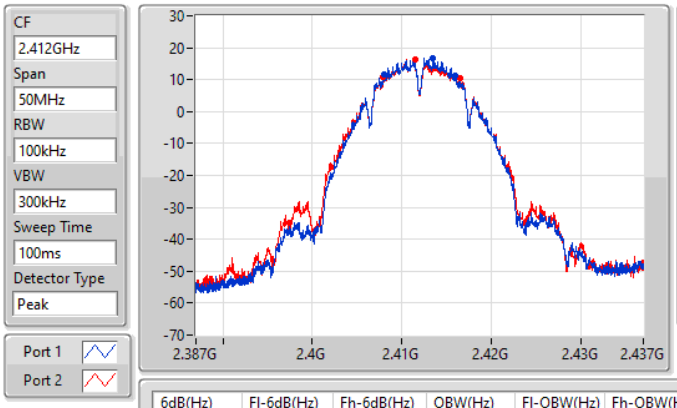
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	8.05M	12.919M	8.575M	13.168M
2437MHz	Pass	500k	7.55M	12.994M	7.075M	13.068M
2462MHz	Pass	500k	7.55M	13.118M	7.525M	13.268M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15M	16.267M	15.05M	16.342M
2437MHz	Pass	500k	15.025M	16.242M	13.825M	16.192M
2462MHz	Pass	500k	15.025M	16.242M	15M	16.242M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	13.725M	18.666M	15.025M	18.666M
2437MHz	Pass	500k	13.975M	18.691M	14.925M	18.716M
2462MHz	Pass	500k	11.35M	18.641M	14.775M	18.666M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	32.55M	37.281M	32.8M	37.131M
2437MHz	Pass	500k	30.5M	37.481M	24.3M	37.381M
2452MHz	Pass	500k	31.25M	37.031M	35.05M	37.231M

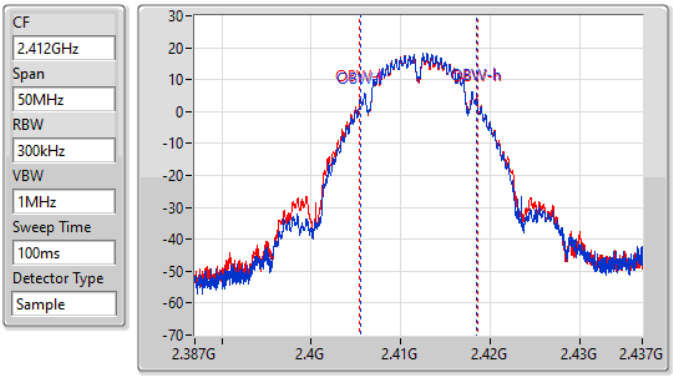
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

802.11b_Nss1,(1Mbps)_2TX EBW

2412MHz

12/05/2022



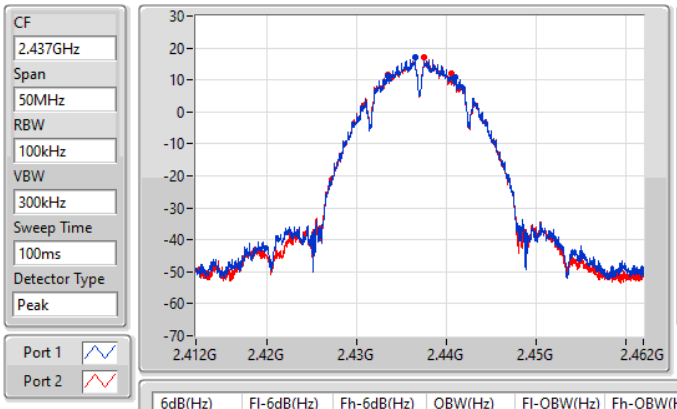


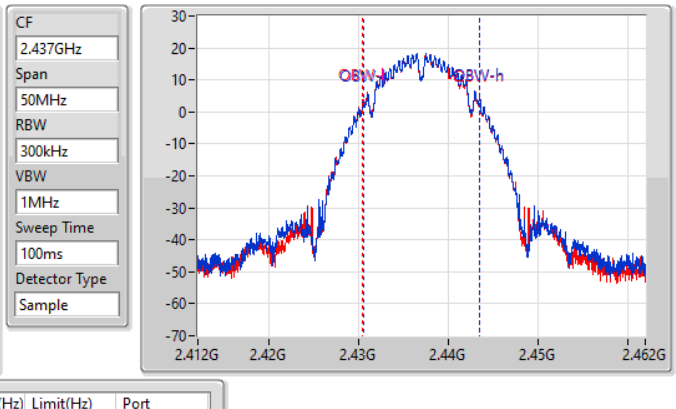
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.05M	2.407975G	2.416025G	12.919M	2.405578G	2.418497G	500k	1
8.575M	2.40795G	2.416525G	13.168M	2.405403G	2.418572G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2437MHz

12/05/2022



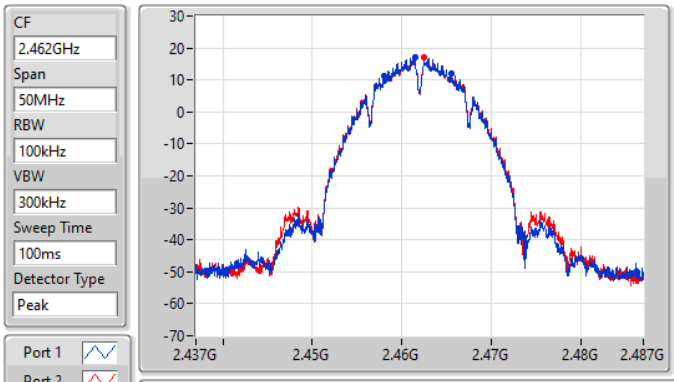


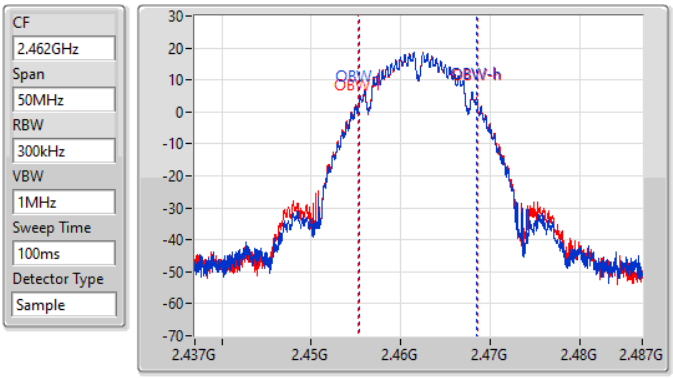
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.55M	2.43345G	2.441G	12.994M	2.430528G	2.443522G	500k	1
7.075M	2.43345G	2.440525G	13.068M	2.430453G	2.443522G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2462MHz

12/05/2022



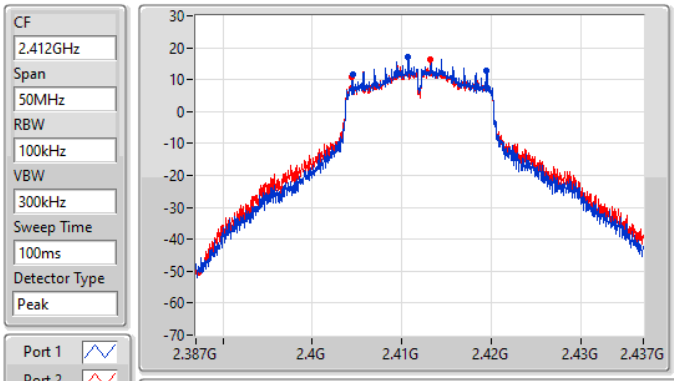


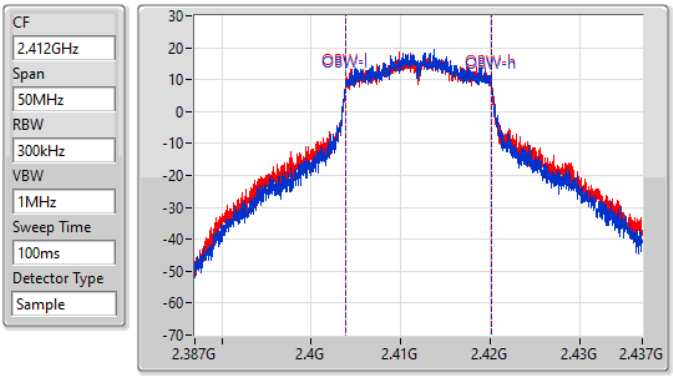
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.55M	2.457975G	2.465525G	13.118M	2.455378G	2.468497G	500k	1
7.525M	2.458G	2.465525G	13.268M	2.455278G	2.468547G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2412MHz

12/05/2022



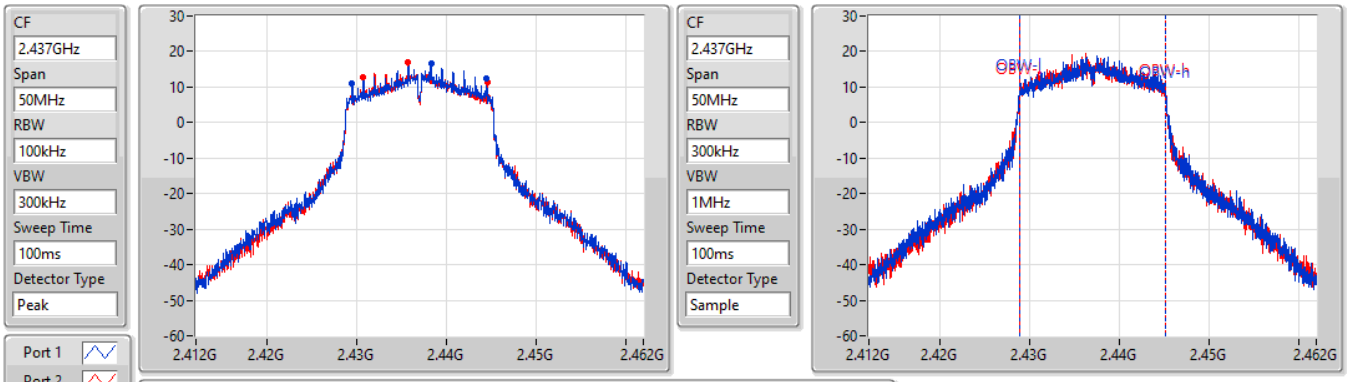


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15M	2.4045G	2.4195G	16.267M	2.403879G	2.420146G	500k	1
15.05M	2.40445G	2.4195G	16.342M	2.403854G	2.420196G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2437MHz

12/05/2022

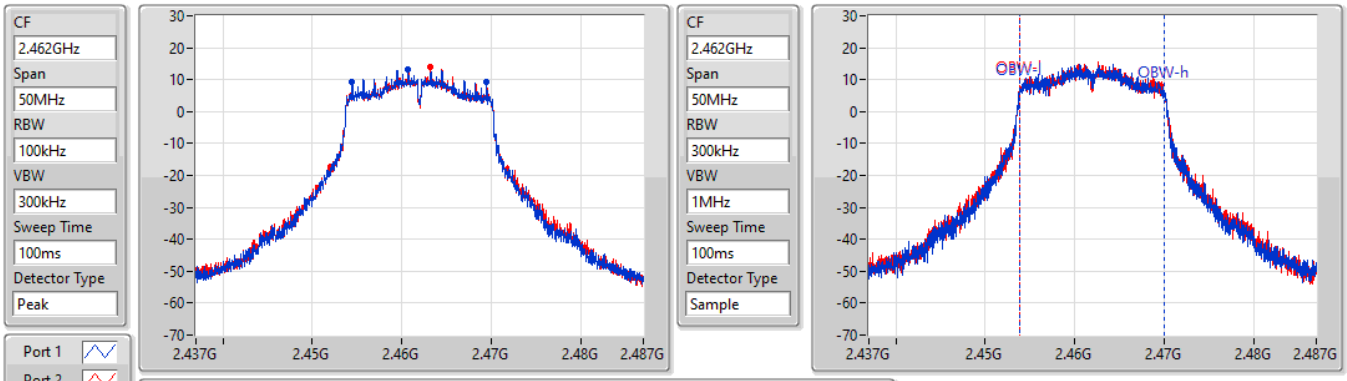


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.025M	2.429475G	2.4445G	16.242M	2.428879G	2.445121G	500k	1
13.825M	2.4307G	2.444525G	16.192M	2.428904G	2.445096G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2462MHz

12/05/2022

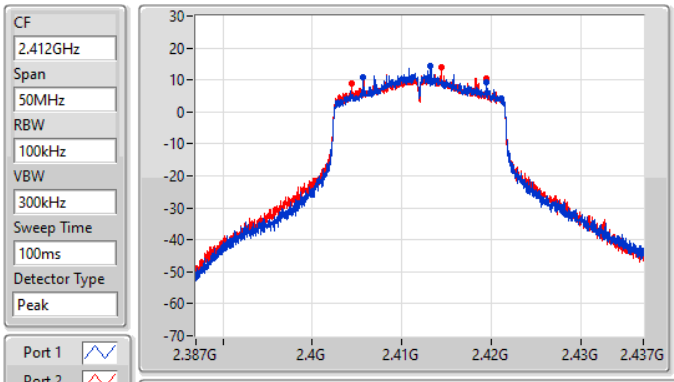


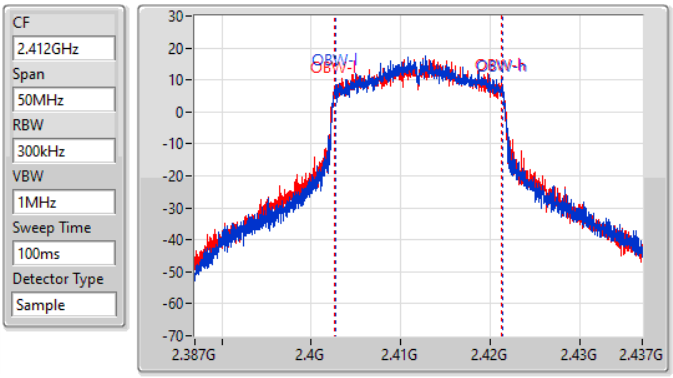
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.025M	2.454475G	2.4695G	16.242M	2.453829G	2.470071G	500k	1
15M	2.454475G	2.469475G	16.242M	2.453829G	2.470071G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

2412MHz

12/05/2022



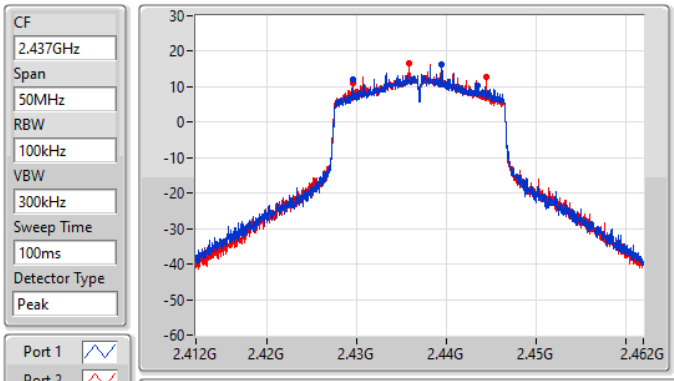


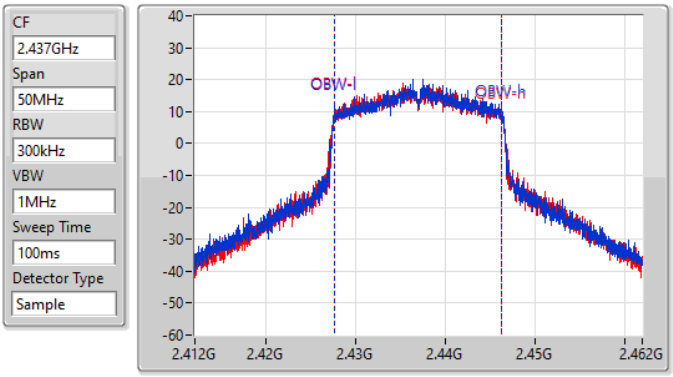
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
13.725M	2.405725G	2.41945G	18.666M	2.40268G	2.421345G	500k	1
15.025M	2.40445G	2.419475G	18.666M	2.402655G	2.42132G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

2437MHz

12/05/2022



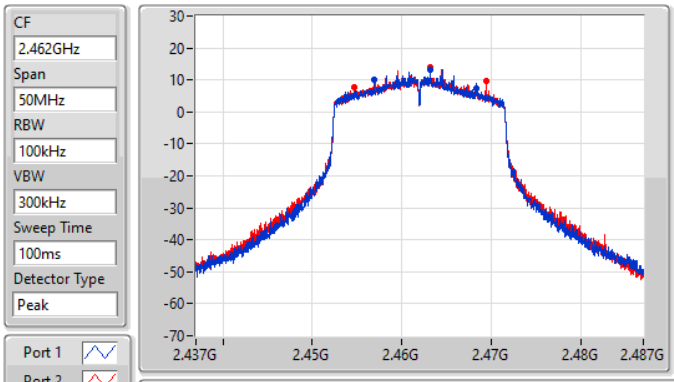


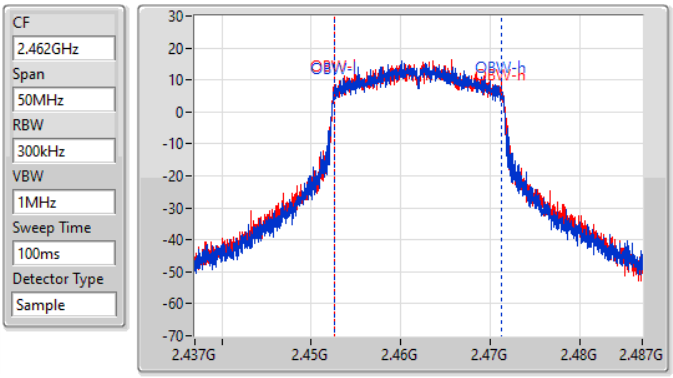
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
13.975M	2.4295G	2.443475G	18.691M	2.42763G	2.44632G	500k	1
14.925M	2.42955G	2.444475G	18.716M	2.427605G	2.44632G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

2462MHz

12/05/2022



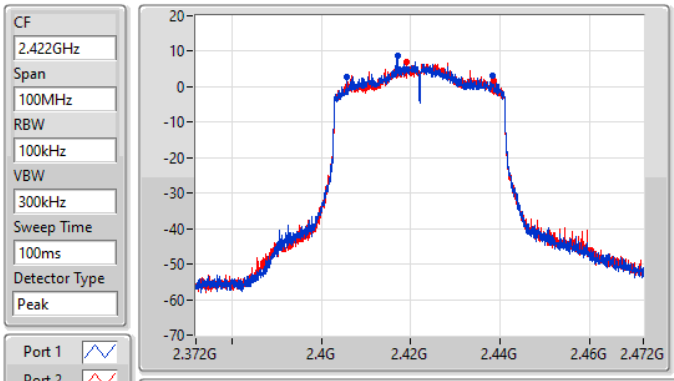


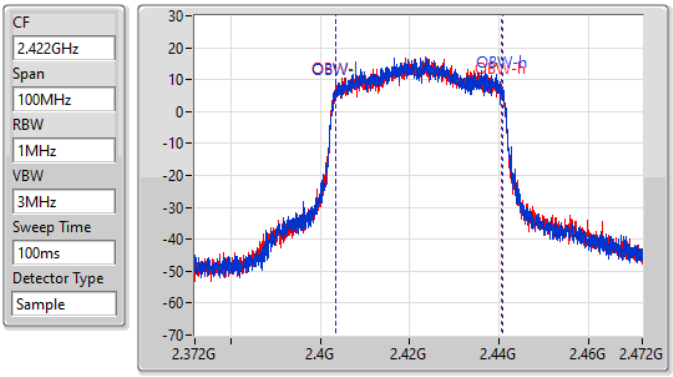
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
11.35M	2.45695G	2.4683G	18.641M	2.45263G	2.47127G	500k	1
14.775M	2.4547G	2.469475G	18.666M	2.452605G	2.47127G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

2422MHz

12/05/2022



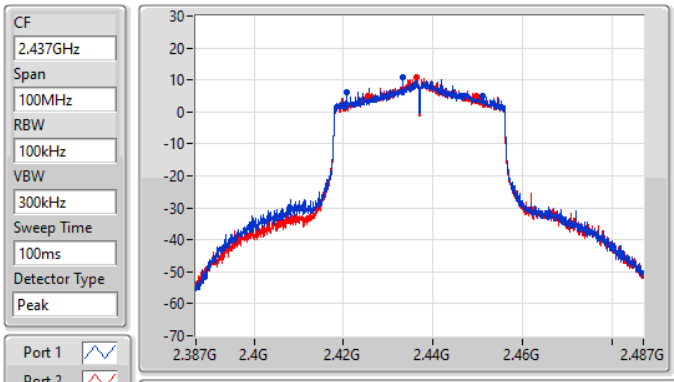


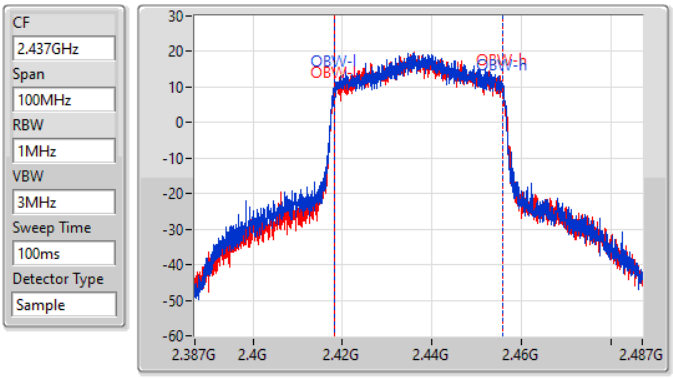
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.55M	2.4057G	2.43825G	37.281M	2.403409G	2.440691G	500k	1
32.8M	2.40575G	2.43855G	37.131M	2.403459G	2.440591G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

2437MHz

12/05/2022



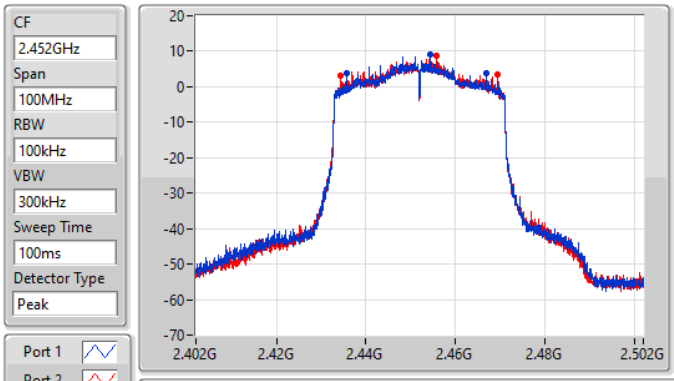


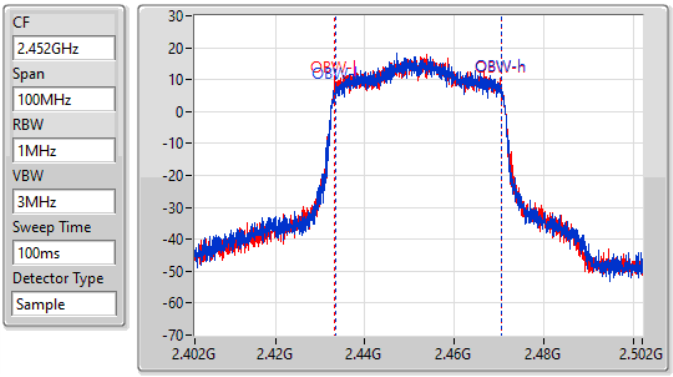
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
30.5M	2.4207G	2.4512G	37.481M	2.418259G	2.455741G	500k	1
24.3M	2.4255G	2.4498G	37.381M	2.418309G	2.455691G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

2452MHz

12/05/2022





6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
31.25M	2.4357G	2.46695G	37.031M	2.433459G	2.470491G	500k	1
35.05M	2.43445G	2.4695G	37.231M	2.433209G	2.470441G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	29.91	0.97949
802.11g_Nss1,(6Mbps)_2TX	29.96	0.99083
802.11ax HEW20_Nss1,(MCS0)_2TX	29.96	0.99083
802.11ax HEW40_Nss1,(MCS0)_2TX	28.06	0.63973
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	29.16	0.82414
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	28.06	0.63973

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.30	26.9	26.6	29.76	30.00
2437MHz	Pass	3.30	26.9	26.9	29.91	30.00
2462MHz	Pass	3.30	26.9	26.9	29.91	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.30	26.7	26.4	29.56	30.00
2417MHz	Pass	3.30	26.7	26.5	29.61	30.00
2437MHz	Pass	3.30	26.9	27	29.96	30.00
2457MHz	Pass	3.30	26.3	26.3	29.31	30.00
2462MHz	Pass	3.30	23.8	23.9	26.86	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.30	24.5	24.2	27.36	30.00
2417MHz	Pass	3.30	26.2	26.1	29.16	30.00
2437MHz	Pass	3.30	26.9	27	29.96	30.00
2457MHz	Pass	3.30	26	25.89	28.96	30.00
2462MHz	Pass	3.30	24	24	27.01	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	3.30	22	21.9	24.96	30.00
2427MHz	Pass	3.30	22.9	23.1	26.01	30.00
2437MHz	Pass	3.30	25.1	25	28.06	30.00
2452MHz	Pass	3.30	22.5	22.6	25.56	30.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.21	24.5	24.2	27.36	29.79
2417MHz	Pass	6.21	26.2	26.1	29.16	29.79
2437MHz	Pass	6.21	25.61	25.62	28.63	29.79
2457MHz	Pass	6.21	26	25.89	28.96	29.79
2462MHz	Pass	6.21	24	24	27.01	29.79
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.21	22	21.9	24.96	29.79
2427MHz	Pass	6.21	22.9	23.1	26.01	29.79
2437MHz	Pass	6.21	25.1	25	28.06	29.79
2452MHz	Pass	6.21	22.5	22.6	25.56	29.79

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	5.86
802.11g_Nss1,(6Mbps)_2TX	3.41
802.11ax HEW20_Nss1,(MCS0)_2TX	1.54
802.11ax HEW40_Nss1,(MCS0)_2TX	-1.50

RBW = 3kHz;

Result

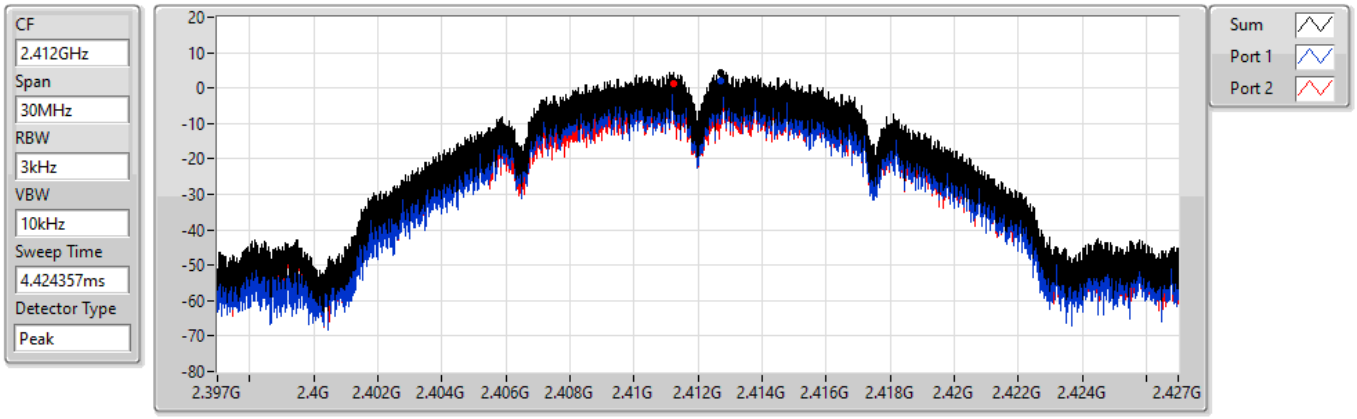
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.21	1.86	1.29	4.44	7.79
2437MHz	Pass	6.21	2.84	3.02	5.86	7.79
2462MHz	Pass	6.21	1.86	1.93	4.91	7.79
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.21	0.99	-1.11	1.89	7.79
2437MHz	Pass	6.21	1.87	-0.09	3.41	7.79
2462MHz	Pass	6.21	-2.21	-2.94	-0.57	7.79
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.21	-2.38	-2.30	-0.27	7.79
2437MHz	Pass	6.21	-0.18	0.45	1.54	7.79
2462MHz	Pass	6.21	-2.92	-2.34	-0.22	7.79
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.21	-6.37	-5.36	-4.71	7.79
2437MHz	Pass	6.21	-3.91	-3.42	-1.50	7.79
2452MHz	Pass	6.21	-5.10	-5.30	-3.57	7.79

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)_2TX PSD

2412MHz

12/05/2022

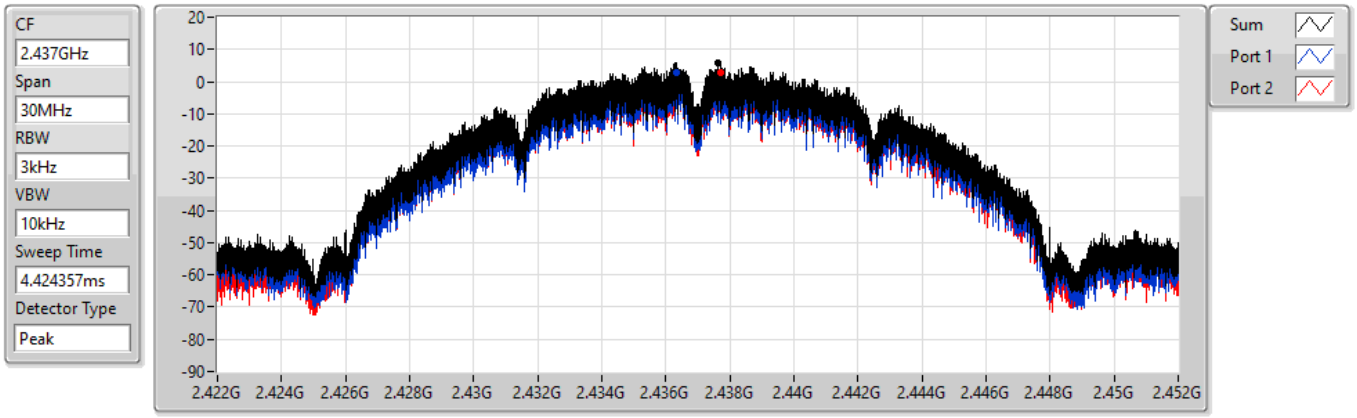


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.44	4.44	1.86	1.29

802.11b_Nss1,(1Mbps)_2TX PSD

2437MHz

12/05/2022

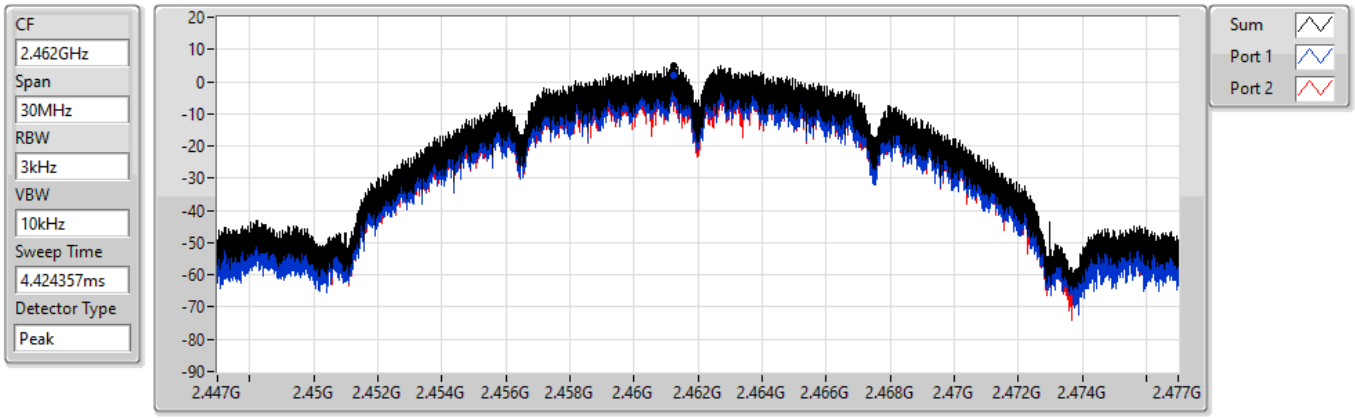


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.86	5.86	2.84	3.02

802.11b_Nss1,(1Mbps)_2TX PSD

2462MHz

12/05/2022

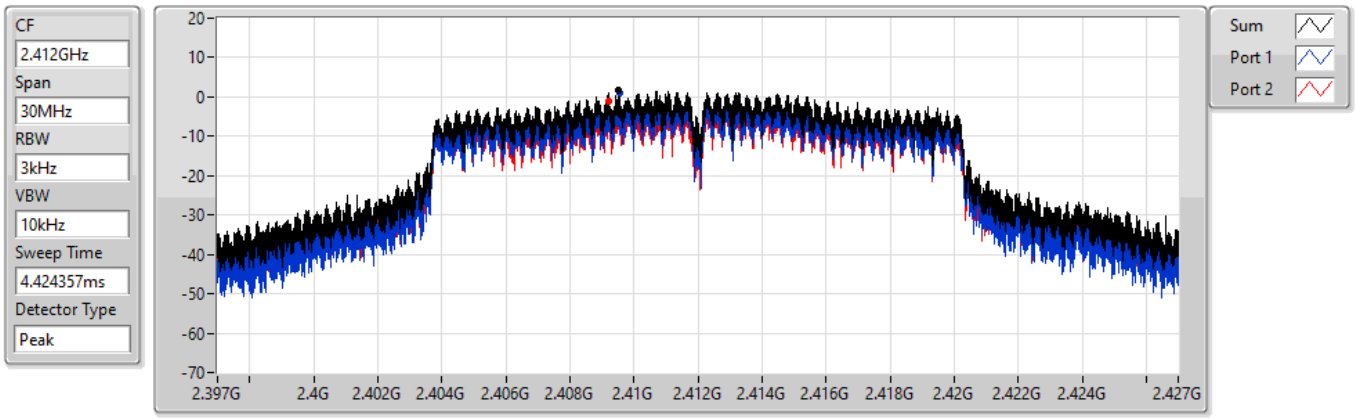


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.91	4.91	1.86	1.93

802.11g_Nss1,(6Mbps)_2TX PSD

2412MHz

12/05/2022

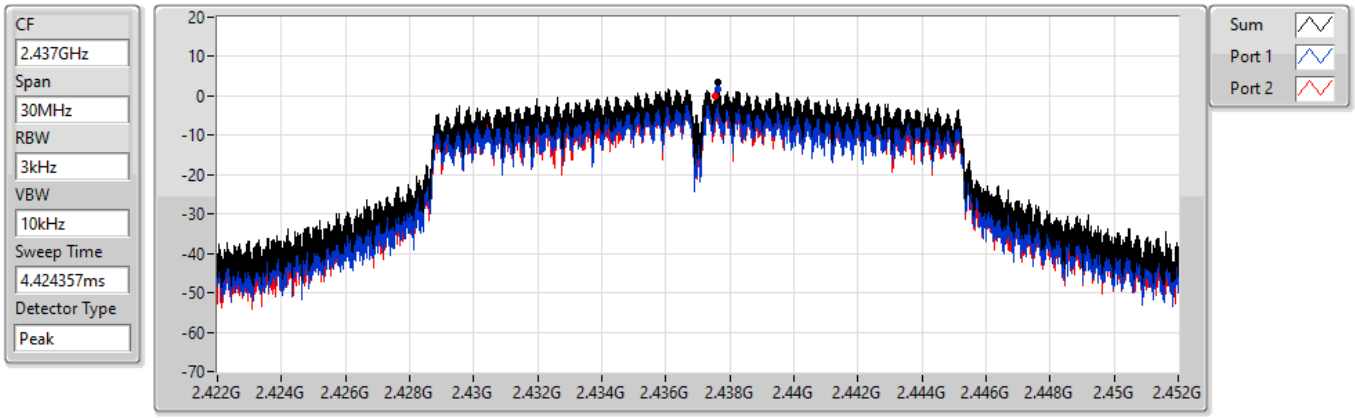


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.89	1.89	0.99	-1.11

802.11g_Nss1,(6Mbps)_2TX PSD

2437MHz

12/05/2022

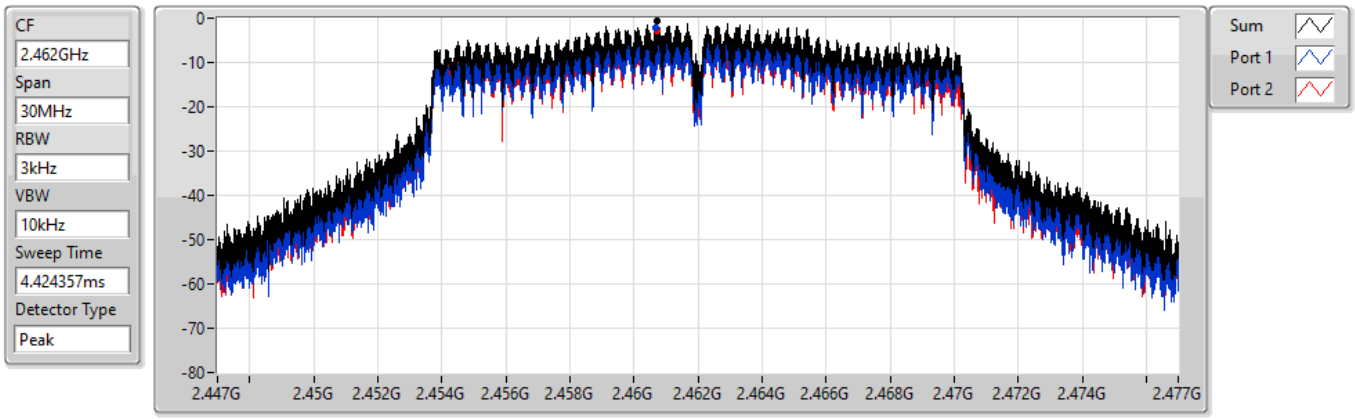


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.41	3.41	1.87	-0.09

802.11g_Nss1,(6Mbps)_2TX PSD

2462MHz

12/05/2022

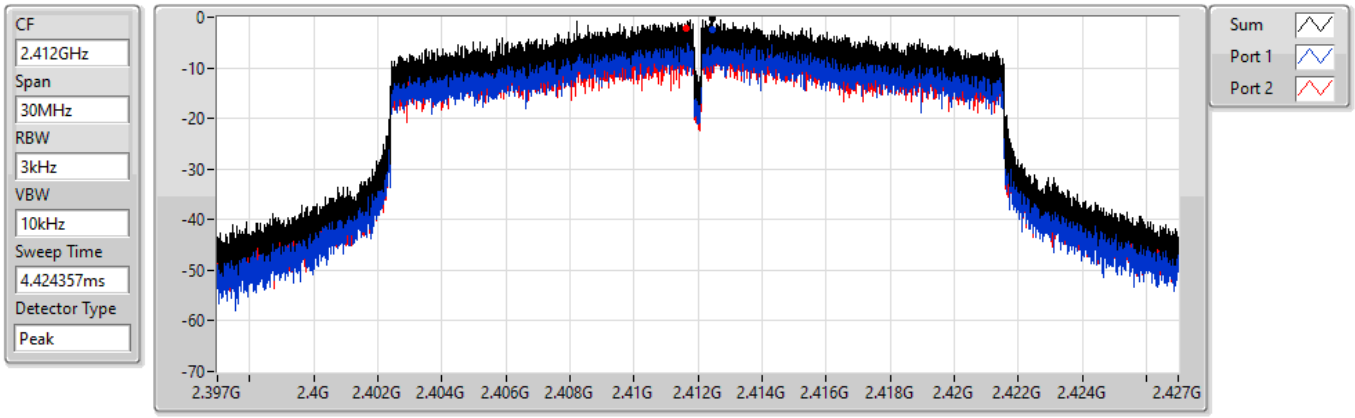


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.57	-0.57	-2.21	-2.94

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

2412MHz

12/05/2022

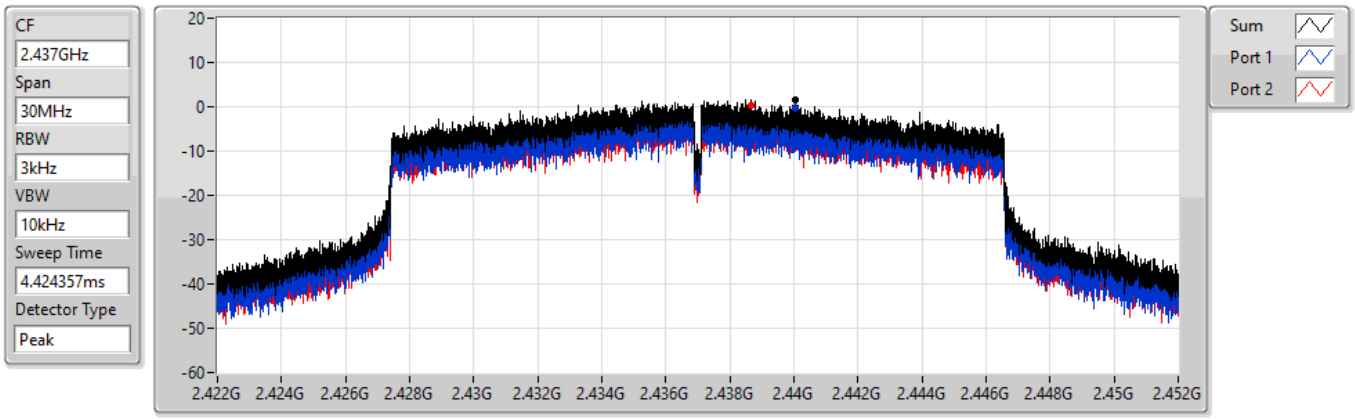


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.27	-0.27	-2.38	-2.30

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

2437MHz

12/05/2022

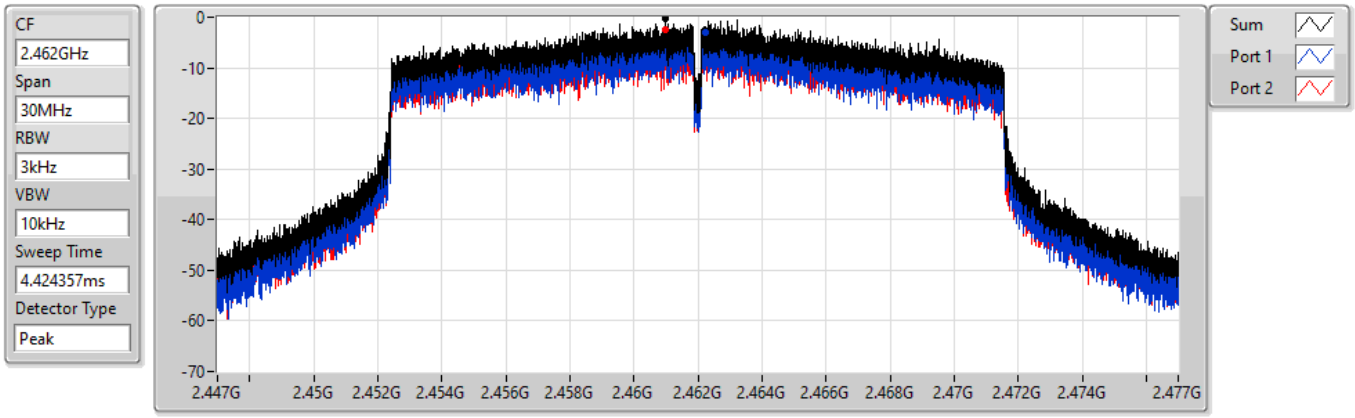


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.54	1.54	-0.18	0.45

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

2462MHz

12/05/2022

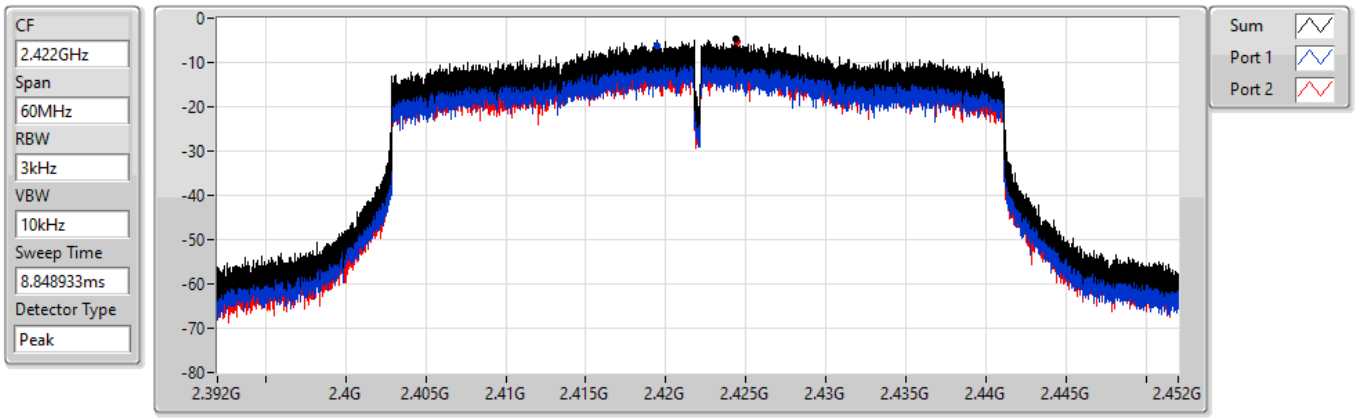


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.22	-0.22	-2.92	-2.34

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

2422MHz

12/05/2022

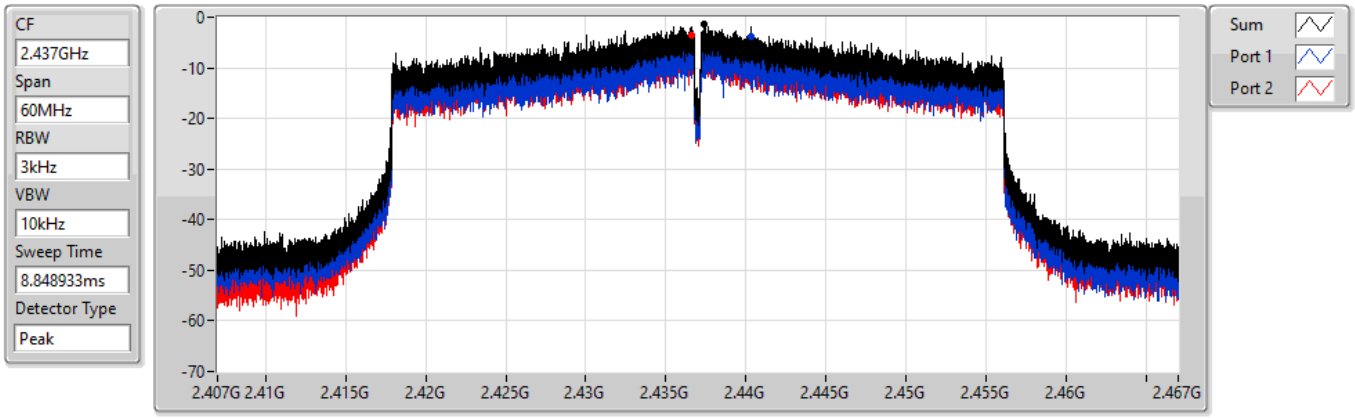


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.71	-4.71	-6.37	-5.36

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

2437MHz

12/05/2022

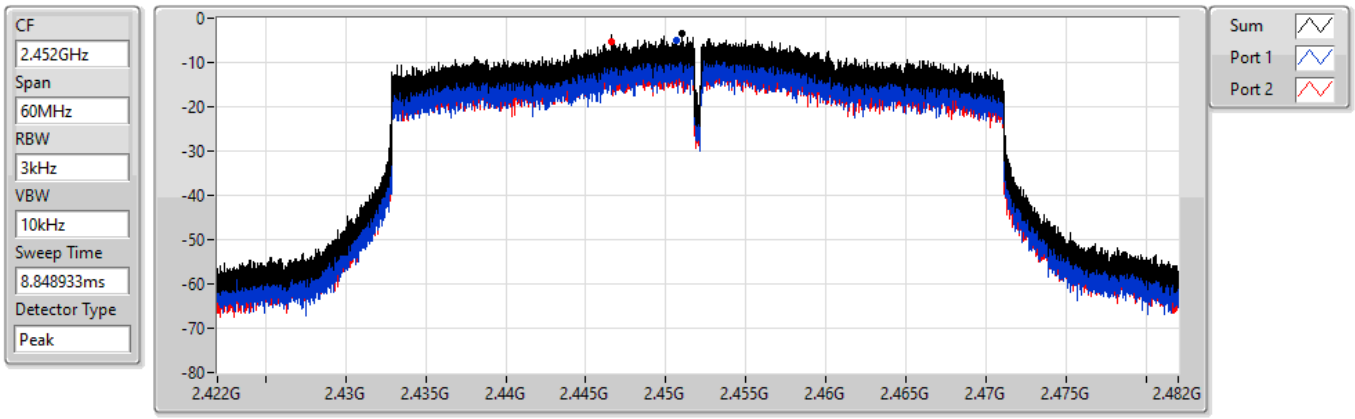


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.50	-1.50	-3.91	-3.42

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

2452MHz

12/05/2022



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.57	-3.57	-5.10	-5.30

Summary

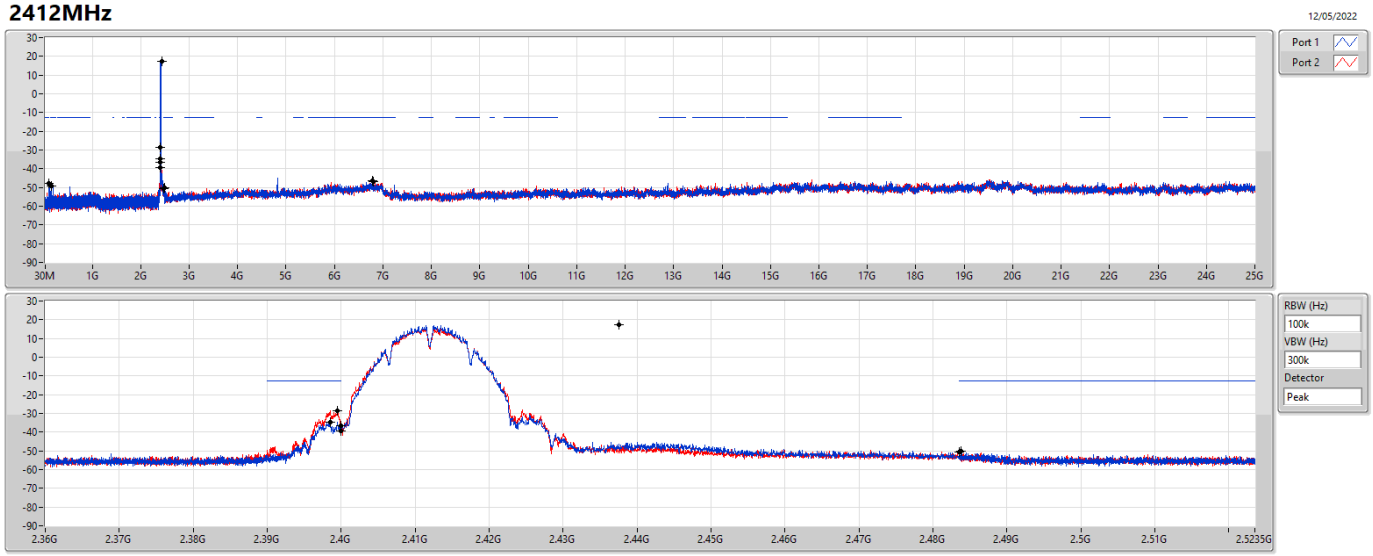
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43749G	17.13	-12.87	159.9M	-49.21	2.39952G	-28.54	2.4G	-36.59	2.48352G	-50.62	6.79965G	-46.84	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43824G	17.02	-12.98	2.15729G	-52.65	2.3991G	-14.88	2.4G	-16.18	2.48444G	-50.79	24.49709G	-46.72	2
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.43824G	16.76	-13.24	2.17506G	-52.69	2.3997G	-20.83	2.4G	-23.65	2.48756G	-50.46	24.40156G	-46.46	2
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.442G	11.68	-18.32	354.32M	-53.10	2.3996G	-33.07	2.4G	-34.96	2.48358G	-44.49	16.77422G	-45.75	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43749G	17.13	-12.87	95.82M	-47.79	2.3985G	-34.46	2.4G	-39.60	2.4838G	-49.97	6.77999G	-46.42	1
2412MHz	Pass	2.43749G	17.13	-12.87	159.9M	-49.21	2.39952G	-28.54	2.4G	-36.59	2.48352G	-50.62	6.79965G	-46.84	2
2437MHz	Pass	2.43749G	17.13	-12.87	159.9M	-50.23	2.39996G	-49.71	2.4835G	-51.15	2.48468G	-50.91	6.80808G	-46.98	1
2437MHz	Pass	2.43749G	17.13	-12.87	543.77M	-52.11	2.39964G	-50.62	2.4G	-52.92	2.50712G	-51.03	17.01522G	-46.99	2
2462MHz	Pass	2.43749G	17.13	-12.87	191.94M	-50.38	2.39548G	-50.71	2.4835G	-49.96	2.484G	-47.80	16.60222G	-45.25	1
2462MHz	Pass	2.43749G	17.13	-12.87	544.06M	-51.89	2.39784G	-50.82	2.4835G	-52.13	2.48488G	-48.38	24.51956G	-46.97	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	17.02	-12.98	943.65M	-52.29	2.39914G	-17.45	2.4G	-18.94	2.48434G	-50.80	15.14405G	-46.72	1
2412MHz	Pass	2.43824G	17.02	-12.98	2.15729G	-52.65	2.3991G	-14.88	2.4G	-16.18	2.48444G	-50.79	24.49709G	-46.72	2
2437MHz	Pass	2.43824G	17.02	-12.98	941.9M	-51.68	2.3995G	-49.54	2.4G	-50.20	2.48434G	-50.34	16.77922G	-46.70	1
2437MHz	Pass	2.43824G	17.02	-12.98	1.88847G	-52.71	2.39948G	-49.16	2.4G	-49.73	2.48476G	-50.57	16.43083G	-46.35	2
2462MHz	Pass	2.43824G	17.02	-12.98	941.32M	-51.82	2.39994G	-50.79	2.4835G	-49.33	2.4836G	-46.21	15.0991G	-46.19	1
2462MHz	Pass	2.43824G	17.02	-12.98	419.98M	-53.10	2.39668G	-51.09	2.4835G	-49.47	2.48384G	-46.77	15.2452G	-46.32	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	16.76	-13.24	898.51M	-53.11	2.39968G	-23.68	2.4G	-24.14	2.4845G	-50.52	23.46317G	-46.79	1
2412MHz	Pass	2.43824G	16.76	-13.24	2.17506G	-52.69	2.3997G	-20.83	2.4G	-23.65	2.48756G	-50.46	24.40156G	-46.46	2
2437MHz	Pass	2.43824G	16.76	-13.24	484.93M	-52.94	2.39988G	-48.86	2.4G	-51.30	2.48606G	-49.73	17.11918G	-46.69	1
2437MHz	Pass	2.43824G	16.76	-13.24	544.06M	-52.57	2.39998G	-47.37	2.4G	-50.88	2.48432G	-50.60	6.69008G	-45.22	2
2462MHz	Pass	2.43824G	16.76	-13.24	837.05M	-52.64	2.39998G	-51.14	2.4835G	-43.33	2.48356G	-43.20	6.8727G	-46.07	1
2462MHz	Pass	2.43824G	16.76	-13.24	924.14M	-52.94	2.4G	-50.27	2.4835G	-44.90	2.48354G	-43.19	24.48023G	-46.49	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.442G	11.68	-18.32	952.3M	-51.95	2.39952G	-33.84	2.4G	-35.25	2.48886G	-51.34	6.77876G	-45.94	1
2422MHz	Pass	2.442G	11.68	-18.32	935.12M	-52.17	2.4G	-34.24	2.4G	-35.07	2.52626G	-51.49	16.763G	-46.51	2
2437MHz	Pass	2.442G	11.68	-18.32	354.32M	-53.10	2.3996G	-33.07	2.4G	-34.96	2.48358G	-44.49	16.77422G	-45.75	1
2437MHz	Pass	2.442G	11.68	-18.32	676.07M	-52.73	2.39824G	-37.07	2.4G	-37.97	2.48362G	-44.19	24.5064G	-45.69	2
2452MHz	Pass	2.442G	11.68	-18.32	850.97M	-52.41	2.39996G	-50.73	2.4835G	-42.72	2.48394G	-41.15	6.88253G	-45.26	1
2452MHz	Pass	2.442G	11.68	-18.32	2.0472G	-52.36	2.39808G	-51.17	2.4835G	-42.55	2.48442G	-41.14	16.52461G	-46.15	2

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

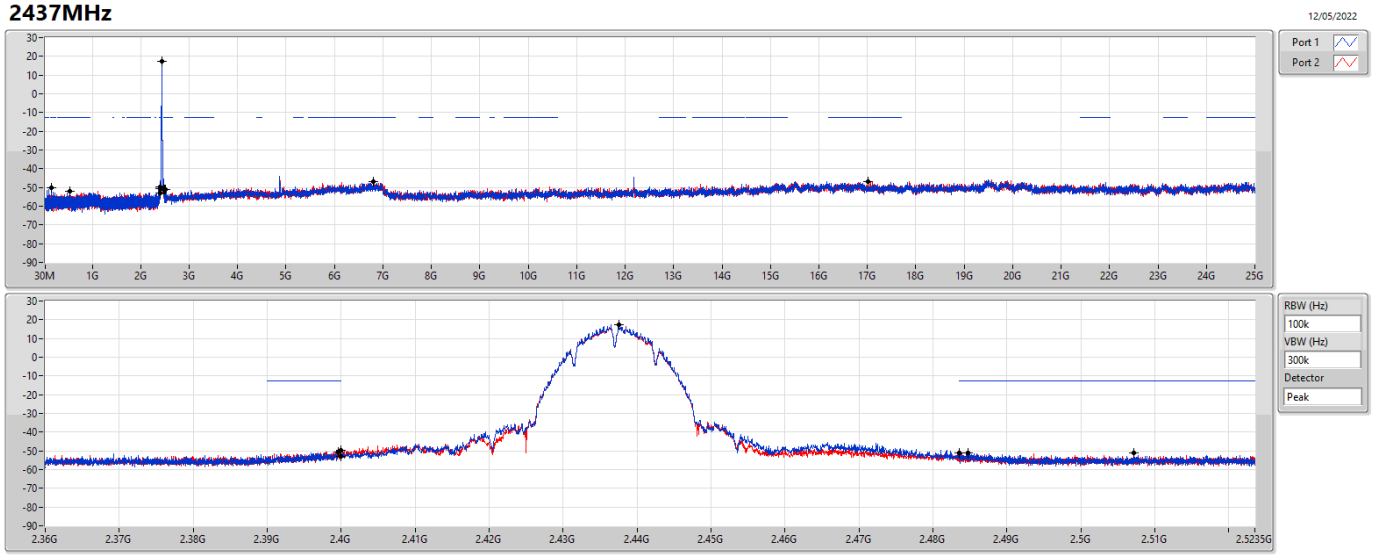
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43749G	17.13	-12.87	95.82M	-47.79	2.3985G	-34.46	2.4G	-39.60	2.4838G	-49.97	6.77999G	-46.42	1
2.43749G	17.13	-12.87	159.9M	-49.21	2.39952G	-28.54	2.4G	-36.59	2.48352G	-50.62	6.79965G	-46.84	2

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

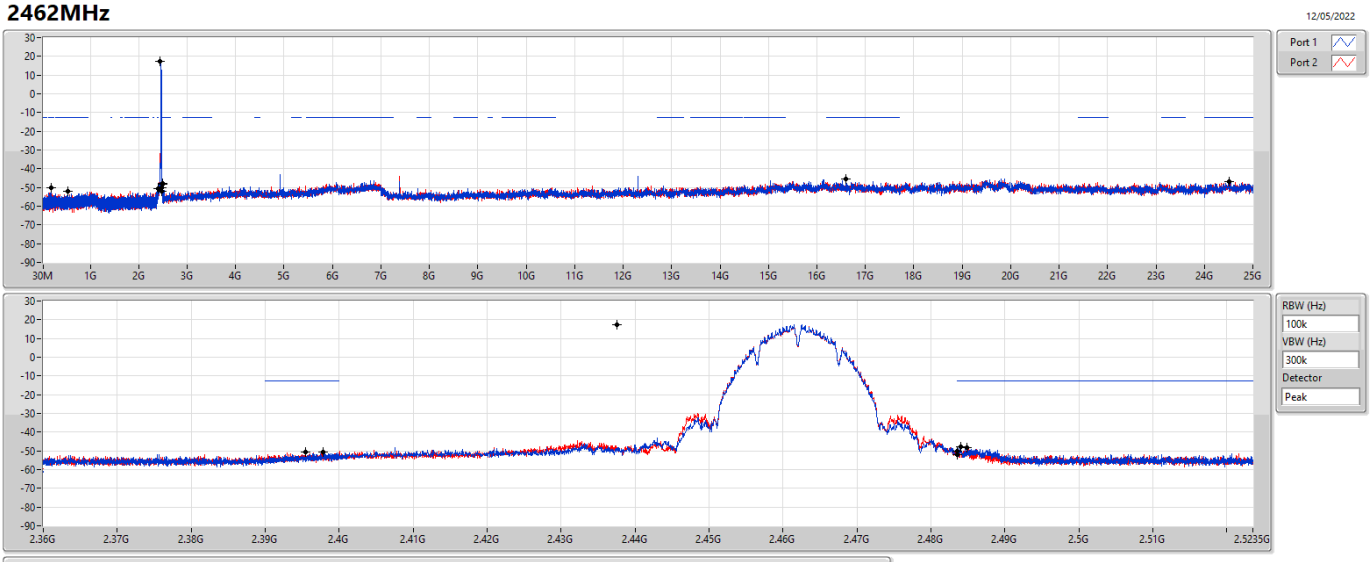
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43749G	17.13	-12.87	159.9M	-50.23	2.39996G	-49.71	2.4835G	-51.15	2.48468G	-50.91	6.80808G	-46.98	1
2.43749G	17.13	-12.87	543.77M	-52.11	2.39964G	-50.62	2.4G	-52.92	2.50712G	-51.03	17.01522G	-46.99	2

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

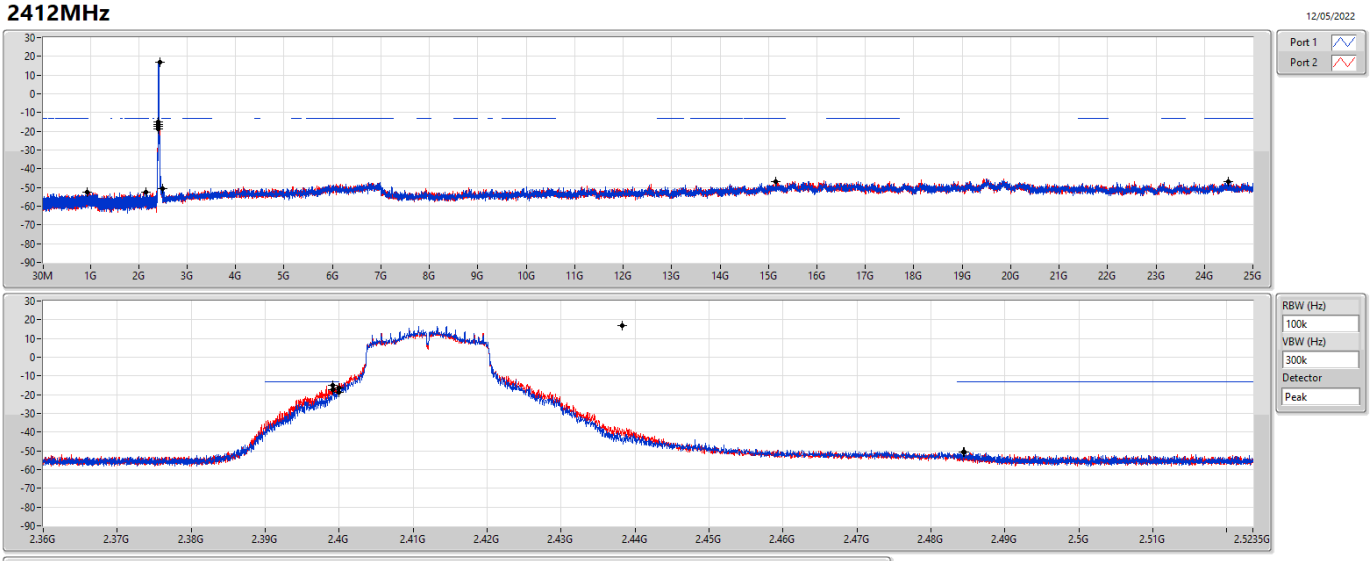
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43749G	17.13	-12.87	191.94M	-50.38	2.39548G	-50.71	2.4835G	-49.96	2.484G	-47.80	16.60222G	-45.25	1
2.43749G	17.13	-12.87	544.06M	-51.89	2.39784G	-50.82	2.4835G	-52.13	2.48488G	-48.38	24.51956G	-46.97	2

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

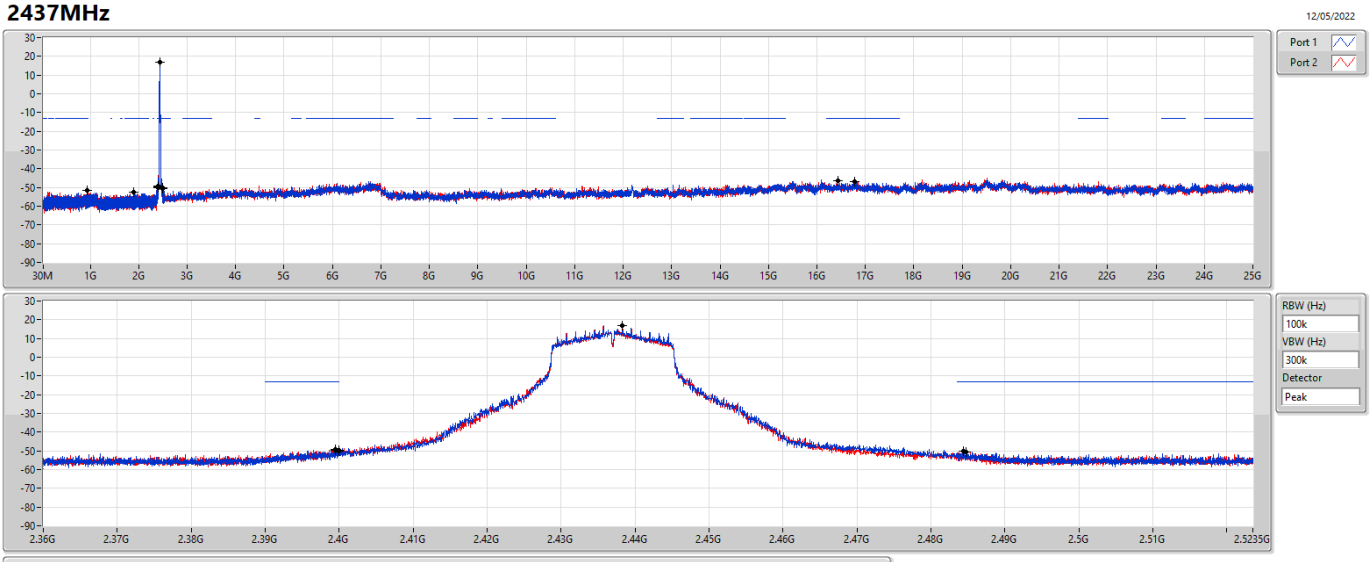
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	17.02	-12.98	943.65M	-52.29	2.39914G	-17.45	2.4G	-18.94	2.48434G	-50.80	15.14405G	-46.72	1
2.43824G	17.02	-12.98	2.15729G	-52.65	2.3991G	-14.88	2.4G	-16.18	2.48444G	-50.79	24.49709G	-46.72	2

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

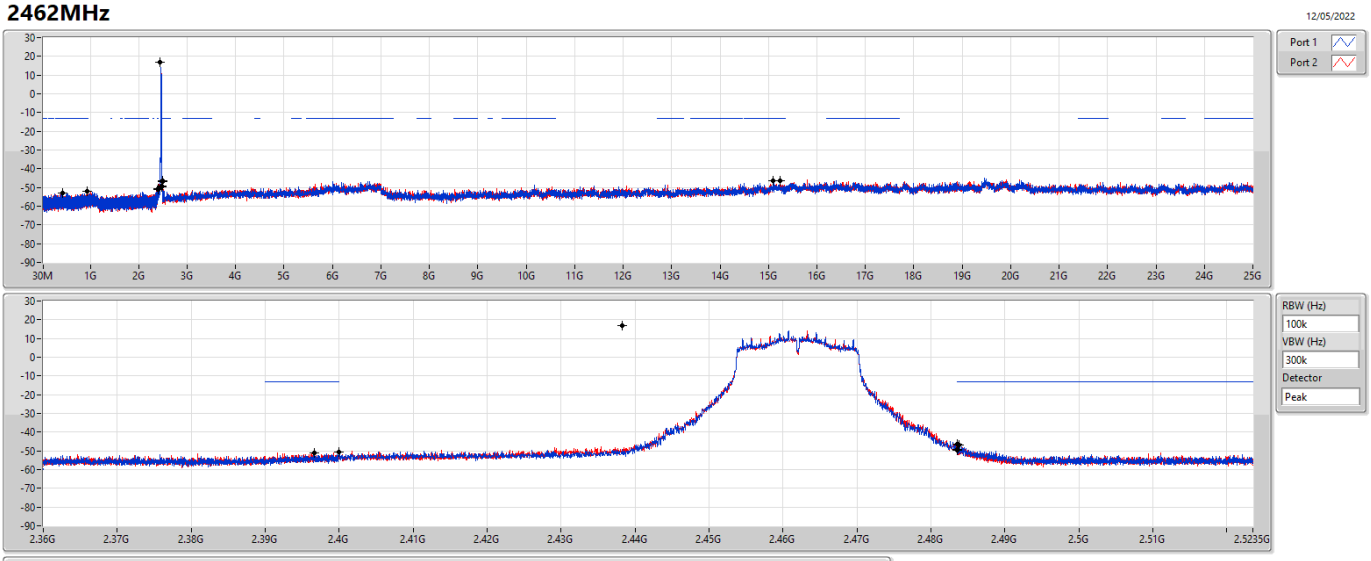
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	17.02	-12.98	941.9M	-51.68	2.3995G	-49.54	2.4G	-50.20	2.48434G	-50.34	16.77922G	-46.70	1
2.43824G	17.02	-12.98	1.88847G	-52.71	2.39948G	-49.16	2.4G	-49.73	2.48476G	-50.57	16.43083G	-46.35	2

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

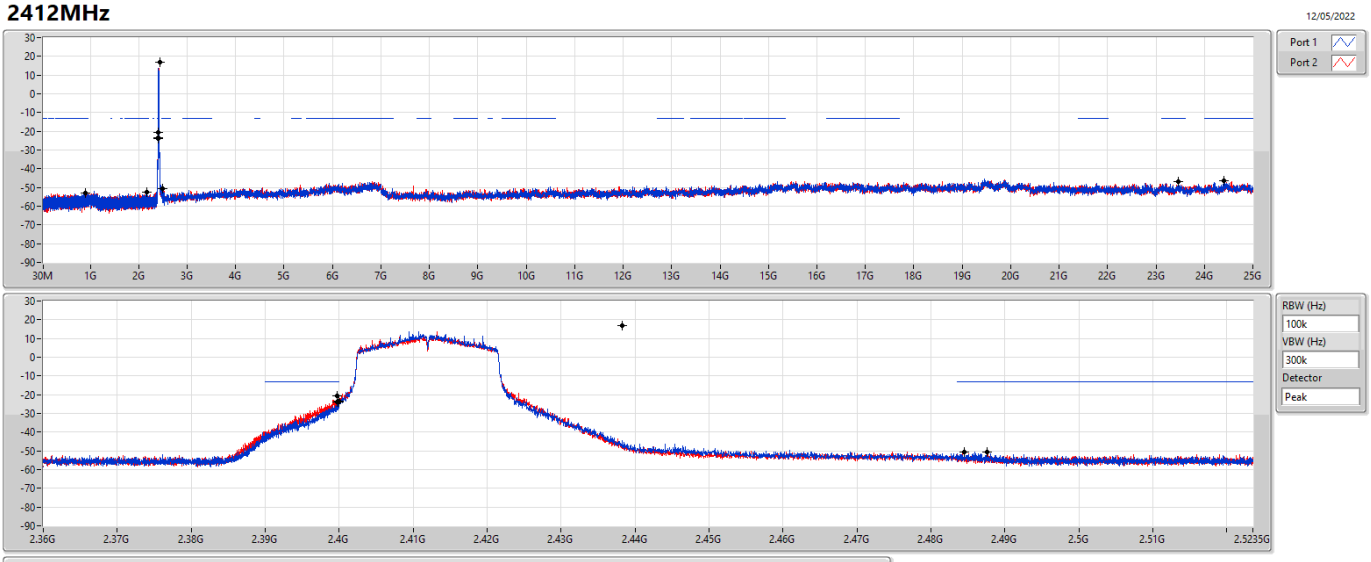
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	17.02	-12.98	941.32M	-51.82	2.39994G	-50.79	2.4835G	-49.33	2.4836G	-46.21	15.0991G	-46.19	1
2.43824G	17.02	-12.98	419.98M	-53.10	2.39668G	-51.09	2.4835G	-49.47	2.48384G	-46.77	15.2452G	-46.32	2

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

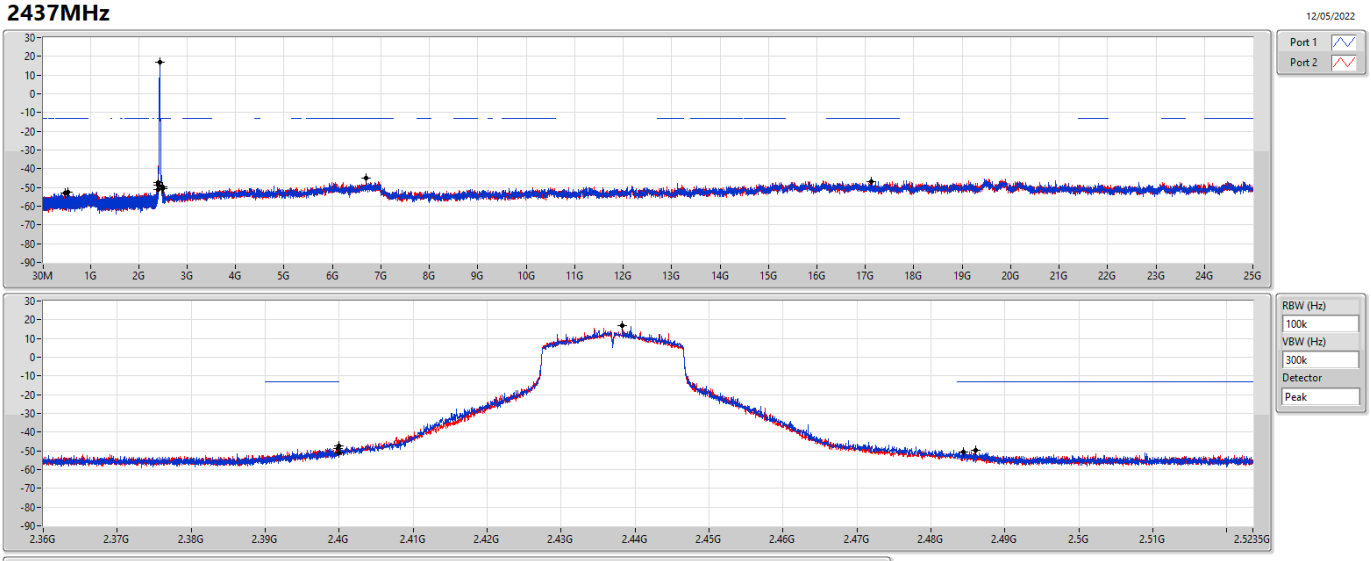
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	16.76	-13.24	898.51M	-53.11	2.39968G	-23.68	2.4G	-24.14	2.4845G	-50.52	23.46317G	-46.79	1
2.43824G	16.76	-13.24	2.17506G	-52.69	2.3997G	-20.83	2.4G	-23.65	2.48756G	-50.46	24.40156G	-46.46	2

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

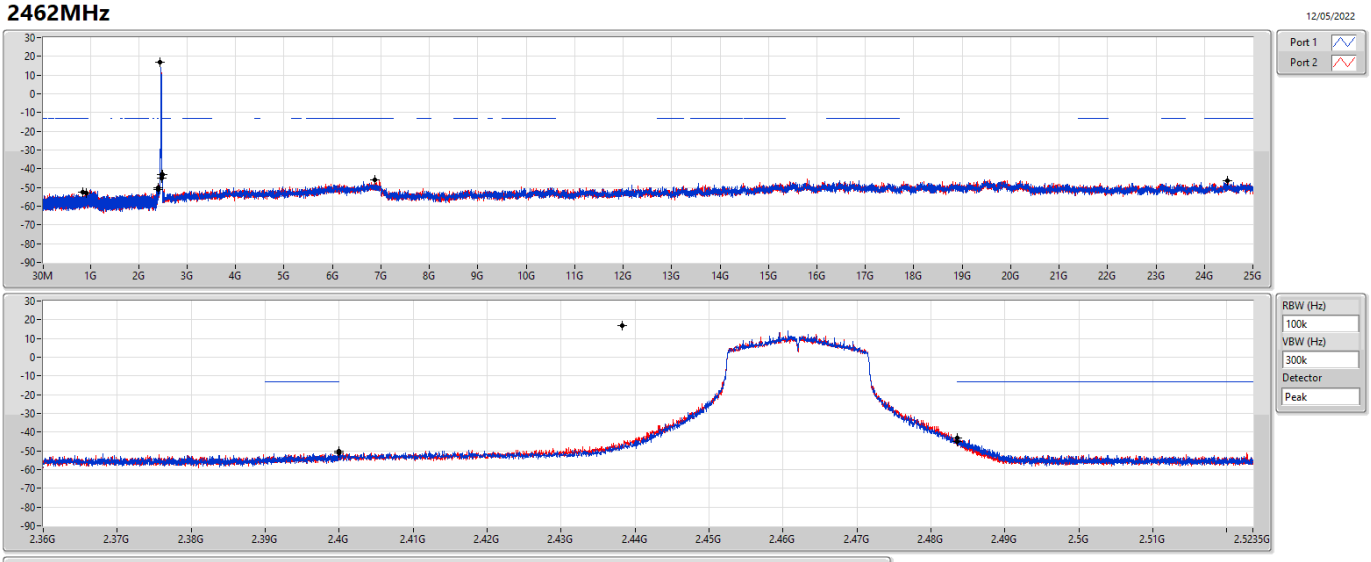
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	16.76	-13.24	484.93M	-52.94	2.39988G	-48.86	2.4G	-51.30	2.48606G	-49.73	17.11918G	-46.69	1
2.43824G	16.76	-13.24	544.06M	-52.57	2.39998G	-47.37	2.4G	-50.88	2.48432G	-50.60	6.69008G	-45.22	2

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

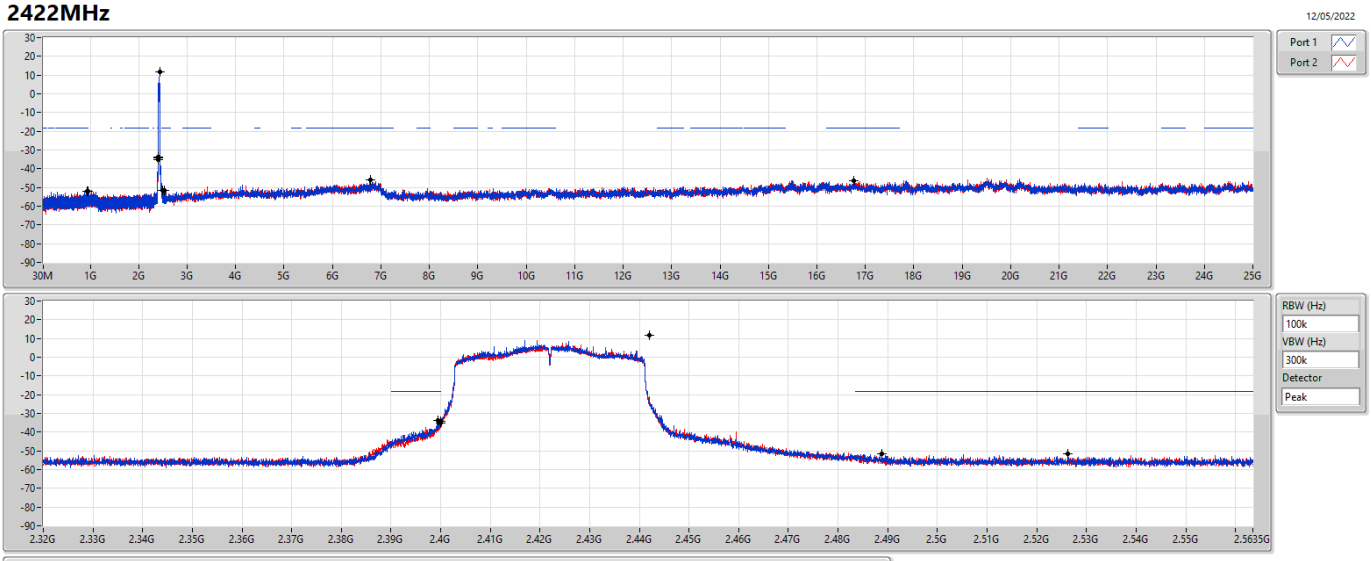
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	16.76	-13.24	837.05M	-52.64	2.39998G	-51.14	2.4835G	-43.33	2.48356G	-43.20	6.8727G	-46.07	1
2.43824G	16.76	-13.24	924.14M	-52.94	2.4G	-50.27	2.4835G	-44.90	2.48354G	-43.19	24.48023G	-46.49	2

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

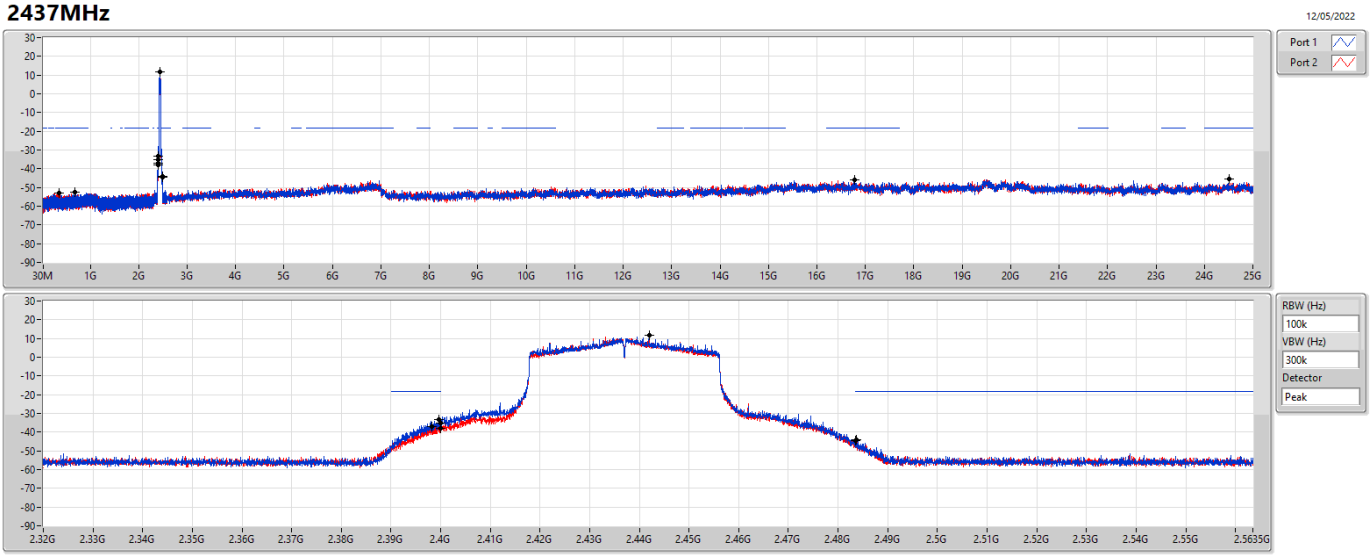
2422MHz



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
2.442G	11.68	-18.32	952.3M	-51.95	2.39952G	-33.84	2.4G	-35.25	2.48886G	-51.34	6.77876G	-45.94	1
2.442G	11.68	-18.32	935.12M	-52.17	2.4G	-34.24	2.4G	-35.07	2.52626G	-51.49	16.763G	-46.51	2

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

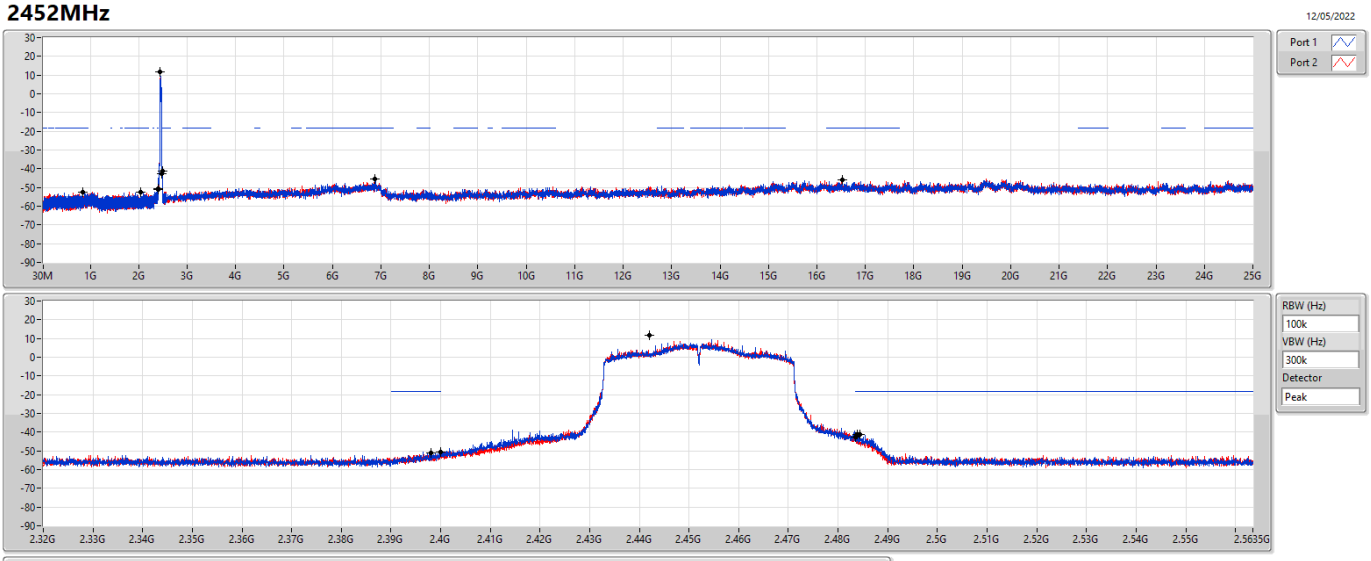
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	11.68	-18.32	354.32M	-53.10	2.3996G	-33.07	2.4G	-34.96	2.48358G	-44.49	16.77422G	-45.75	1
2.442G	11.68	-18.32	676.07M	-52.73	2.39824G	-37.07	2.4G	-37.97	2.48362G	-44.19	24.5064G	-45.69	2

802.11ax HEW40_Nss1,(MCS0)_2TX **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
2.442G	11.68	-18.32	850.97M	-52.41	2.39996G	-50.73	2.4835G	-42.72	2.48394G	-41.15	6.88253G	-45.26	1
2.442G	11.68	-18.32	2.0472G	-52.36	2.39808G	-51.17	2.4835G	-42.55	2.48442G	-41.14	16.52461G	-46.15	2

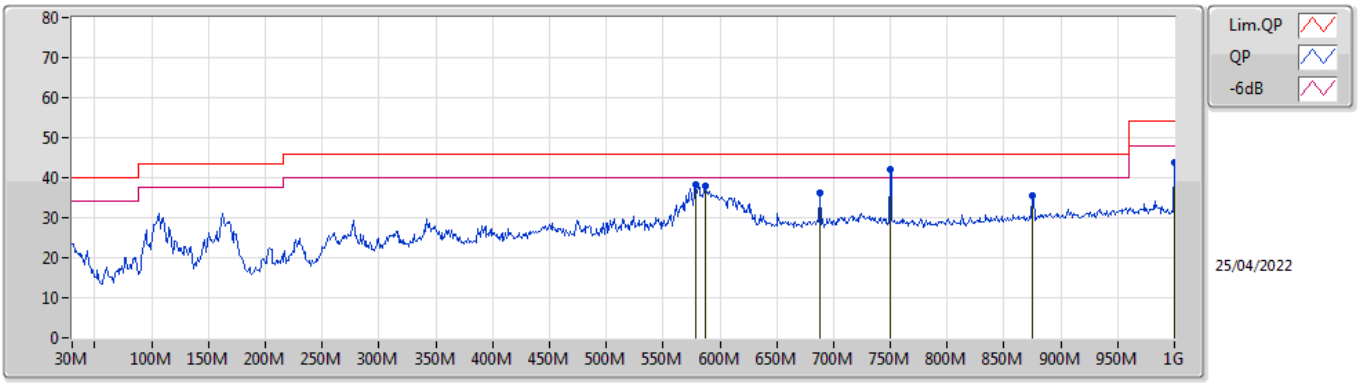
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	60.07M	36.74	40.00	-3.26	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	43.58M	34.41	40.00	-5.59	-14.01	3	Vertical	252	1.50	-	48.42	16.72	0.97	31.70
PK	60.07M	36.74	40.00	-3.26	-18.38	3	Vertical	182	1.50	"Worst"	55.12	12.26	1.20	31.84
PK	76.56M	34.59	40.00	-5.41	-18.21	3	Vertical	142	1.25	-	52.80	12.37	1.33	31.91
PK	110.51M	38.30	43.50	-5.20	-12.75	3	Vertical	244	1.00	-	51.05	17.61	1.55	31.91
PK	588.72M	41.23	46.00	-4.77	-4.26	3	Vertical	284	1.25	-	45.49	24.28	3.95	32.49
PK	750.71M	41.38	46.00	-4.62	-2.74	3	Vertical	33	1.00	-	44.12	25.27	4.70	32.71

Mode 1



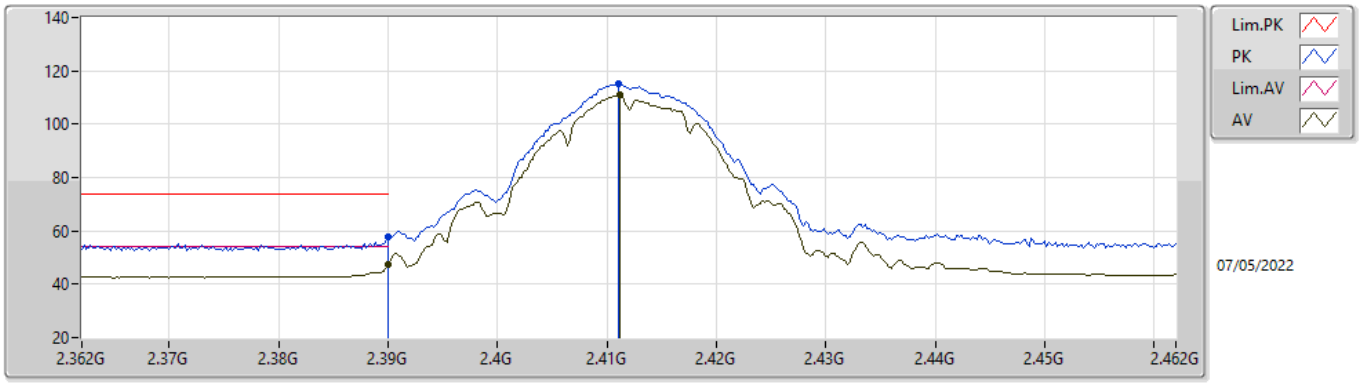
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	579.02M	38.19	46.00	-7.81	-4.22	3	Horizontal	179	1.25	-	42.41	24.35	3.92	32.49
PK	586.78M	37.90	46.00	-8.10	-4.23	3	Horizontal	144	1.25	-	42.13	24.31	3.95	32.49
PK	687.66M	36.05	46.00	-9.95	-3.64	3	Horizontal	267	1.25	-	39.69	24.55	4.43	32.62
PK	749.74M	42.18	46.00	-3.82	-2.75	3	Horizontal	170	1.00	"Worst"	44.93	25.26	4.70	32.71
PK	874.87M	35.41	46.00	-10.59	-1.41	3	Horizontal	69	1.25	-	36.82	26.03	5.20	32.64
PK	999.98M	43.85	54.00	-10.15	0.08	3	Horizontal	237	1.00	-	43.77	27.06	5.60	32.58

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	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	AV	2.39G	53.71	54.00	-0.29	3	Horizontal	233	1.23	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

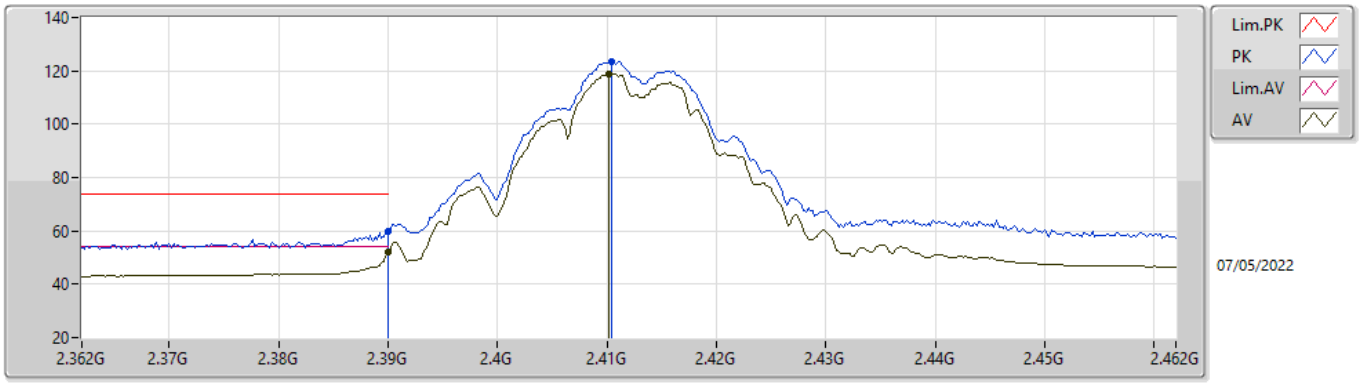


EUT Y_2TX
Setting 27.5
04-C-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	57.60	74.00	-16.40	27.33	3	Vertical	263	1.78	-	27.48	2.79	-
AV	2.39G	47.25	54.00	-6.75	16.98	3	Vertical	263	1.78	-	27.48	2.79	-
PK	2.411G	115.41	Inf	-Inf	85.08	3	Vertical	263	1.78	-	27.52	2.81	-
AV	2.4112G	110.78	Inf	-Inf	80.45	3	Vertical	263	1.78	-	27.52	2.81	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

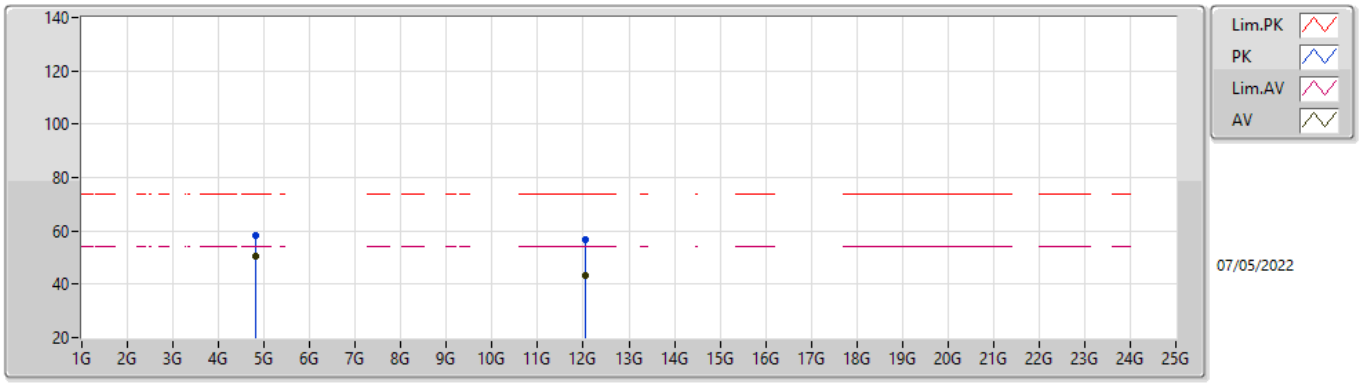


EUT Y_2TX
Setting 27.5
04-C-K-3

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	59.66	74.00	-14.34	29.39	3	Horizontal	265	1.28	-	27.48	2.79	-
AV	2.39G	52.07	54.00	-1.93	21.80	3	Horizontal	265	1.28	-	27.48	2.79	-
PK	2.4104G	123.50	Inf	-Inf	93.17	3	Horizontal	265	1.28	-	27.52	2.81	-
AV	2.4102G	118.87	Inf	-Inf	88.54	3	Horizontal	265	1.28	-	27.52	2.81	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

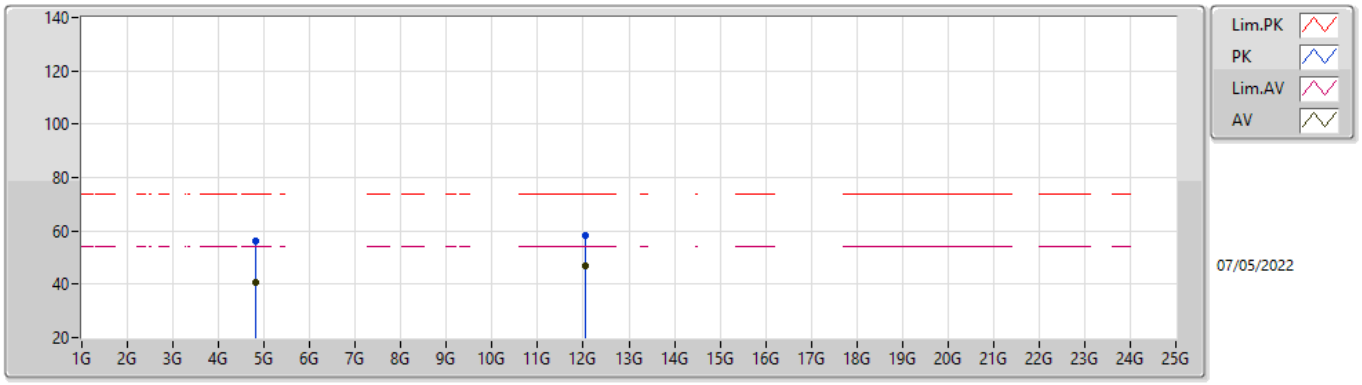


EUT Y_2TX
Setting 27.5
04-C-K-3

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	4.82402G	58.52	74.00	-15.48	54.26	3	Vertical	210	2.21	-	32.70	4.81	33.25
AV	4.82396G	50.54	54.00	-3.46	46.28	3	Vertical	210	2.21	-	32.70	4.81	33.25
PK	12.05888G	56.72	74.00	-17.28	43.76	3	Vertical	198	2.01	-	38.90	8.99	34.93
AV	12.05918G	43.41	54.00	-10.59	30.45	3	Vertical	198	2.01	-	38.90	8.99	34.93

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

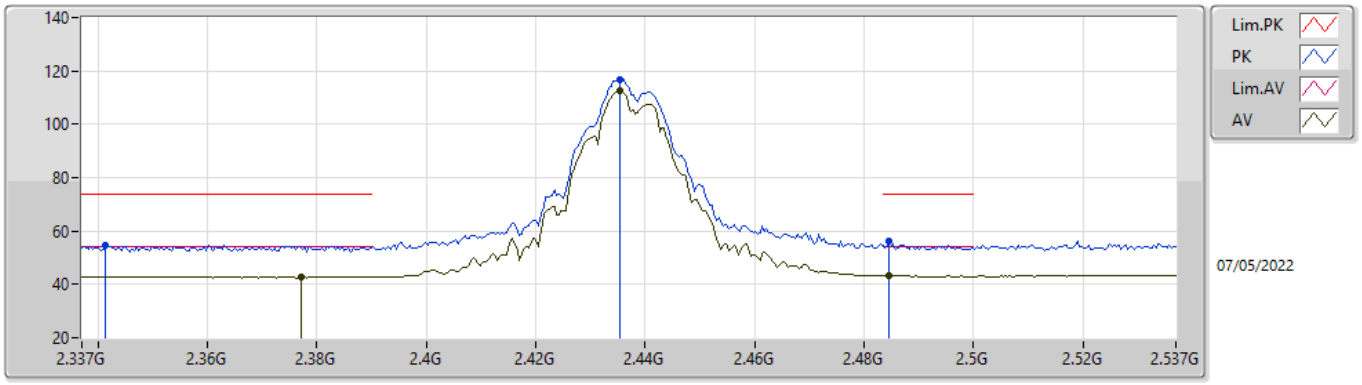


EUT Y_2TX
Setting 27.5
04-C-K-3

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	4.82398G	56.27	74.00	-17.73	52.01	3	Horizontal	221	2.89	-	32.70	4.81	33.25
AV	4.824G	40.79	54.00	-13.21	36.53	3	Horizontal	221	2.89	-	32.70	4.81	33.25
PK	12.0585G	58.19	74.00	-15.81	45.23	3	Horizontal	123	1.93	-	38.90	8.99	34.93
AV	12.05924G	46.86	54.00	-7.14	33.90	3	Horizontal	123	1.93	-	38.90	8.99	34.93

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

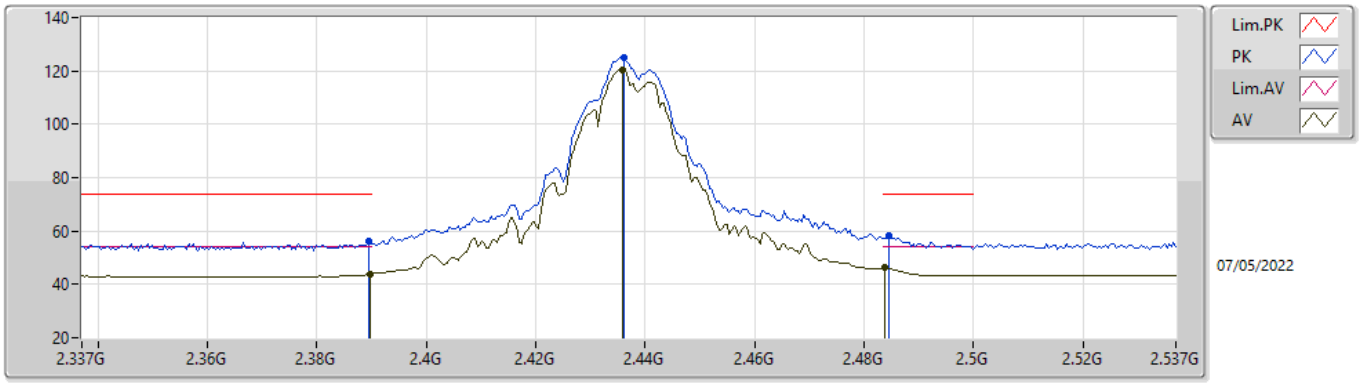


EUT Y_2TX
Setting 28.5
04-C-K-3

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	2.3414G	54.63	74.00	-19.37	24.43	3	Vertical	277	1.47	-	27.43	2.77	-
AV	2.377G	42.64	54.00	-11.36	12.40	3	Vertical	277	1.47	-	27.45	2.79	-
PK	2.4354G	116.95	Inf	-Inf	86.56	3	Vertical	277	1.47	-	27.57	2.82	-
AV	2.4354G	112.48	Inf	-Inf	82.09	3	Vertical	277	1.47	-	27.57	2.82	-
PK	2.4846G	56.03	74.00	-17.97	25.38	3	Vertical	277	1.47	-	27.81	2.84	-
AV	2.4846G	43.30	54.00	-10.70	12.65	3	Vertical	277	1.47	-	27.81	2.84	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

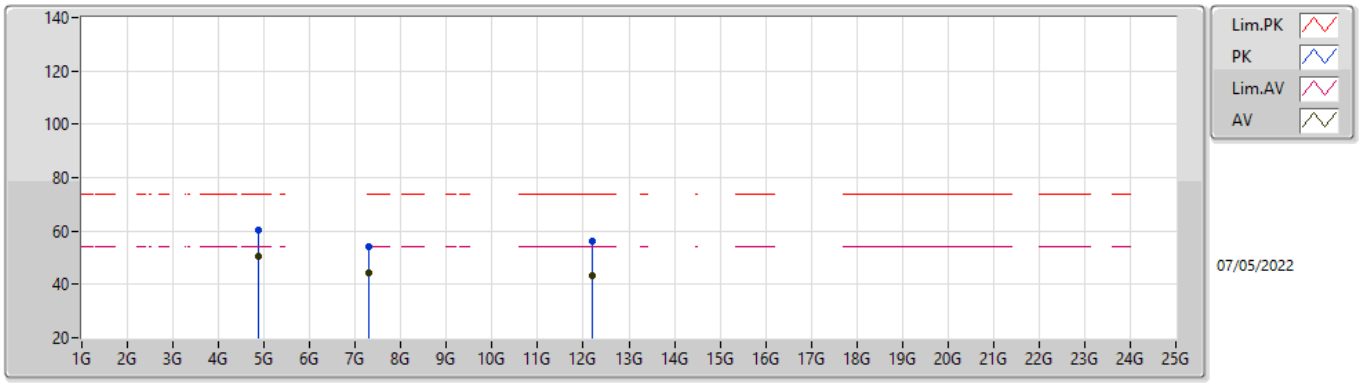


EUT Y_2TX
Setting 28.5
04-C-K-3

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	56.09	74.00	-17.91	25.82	3	Horizontal	279	1.44	-	27.48	2.79	-
AV	2.3898G	44.01	54.00	-9.99	13.74	3	Horizontal	279	1.44	-	27.48	2.79	-
PK	2.4362G	125.21	Inf	-Inf	94.82	3	Horizontal	279	1.44	-	27.57	2.82	-
AV	2.4358G	120.38	Inf	-Inf	89.99	3	Horizontal	279	1.44	-	27.57	2.82	-
PK	2.4846G	58.28	74.00	-15.72	27.63	3	Horizontal	279	1.44	-	27.81	2.84	-
AV	2.4838G	46.15	54.00	-7.85	15.51	3	Horizontal	279	1.44	-	27.80	2.84	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

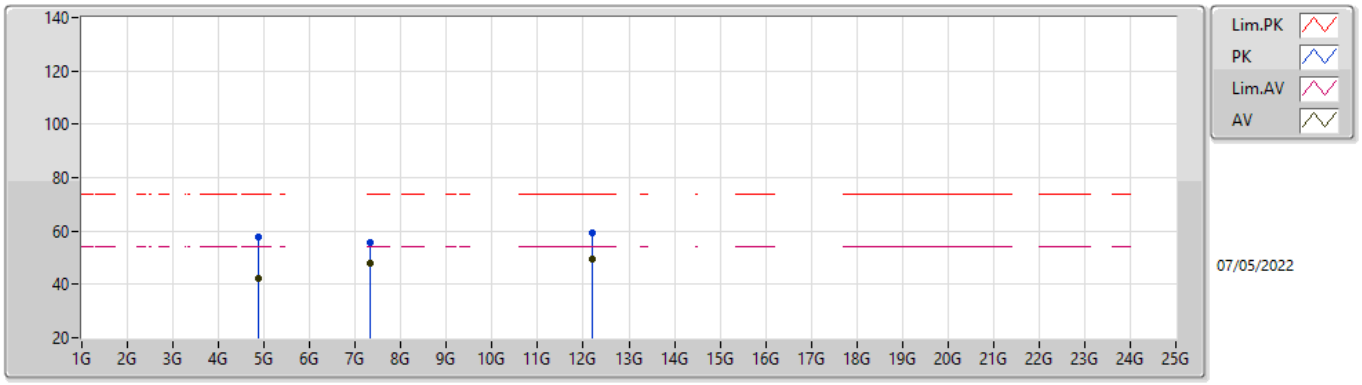


EUT Y_2TX
Setting 28.5
04-C-K-3

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	4.87398G	60.51	74.00	-13.49	56.00	3	Vertical	213	2.27	-	32.90	4.84	33.23
AV	4.87402G	50.56	54.00	-3.44	46.05	3	Vertical	213	2.27	-	32.90	4.84	33.23
PK	7.31012G	54.07	74.00	-19.93	44.17	3	Vertical	353	2.25	-	37.50	6.06	33.66
AV	7.31016G	44.42	54.00	-9.58	34.52	3	Vertical	353	2.25	-	37.50	6.06	33.66
PK	12.18716G	56.12	74.00	-17.88	43.24	3	Vertical	202	2.00	-	38.81	8.96	34.89
AV	12.1841G	43.30	54.00	-10.70	30.41	3	Vertical	202	2.00	-	38.82	8.96	34.89

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

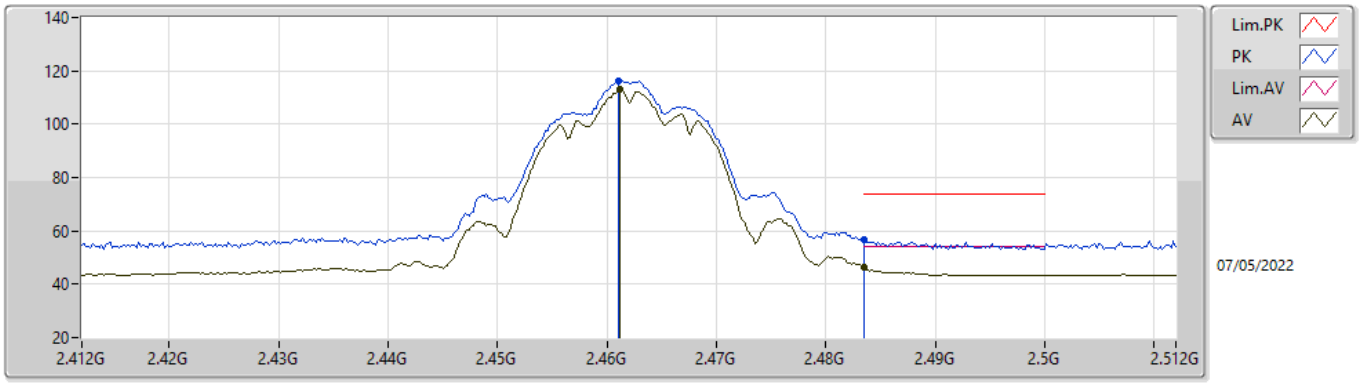


EUT Y_2TX
Setting 28.5
04-C-K-3

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	4.87396G	57.81	74.00	-16.19	53.30	3	Horizontal	218	3.00	-	32.90	4.84	33.23
AV	4.87398G	42.29	54.00	-11.71	37.78	3	Horizontal	218	3.00	-	32.90	4.84	33.23
PK	7.31024G	55.89	74.00	-18.11	45.99	3	Horizontal	106	2.18	-	37.50	6.06	33.66
AV	7.31028G	48.18	54.00	-5.82	38.28	3	Horizontal	106	2.18	-	37.50	6.06	33.66
PK	12.18396G	59.29	74.00	-14.71	46.40	3	Horizontal	126	1.91	-	38.82	8.96	34.89
AV	12.1842G	49.24	54.00	-4.76	36.35	3	Horizontal	126	1.91	-	38.82	8.96	34.89

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

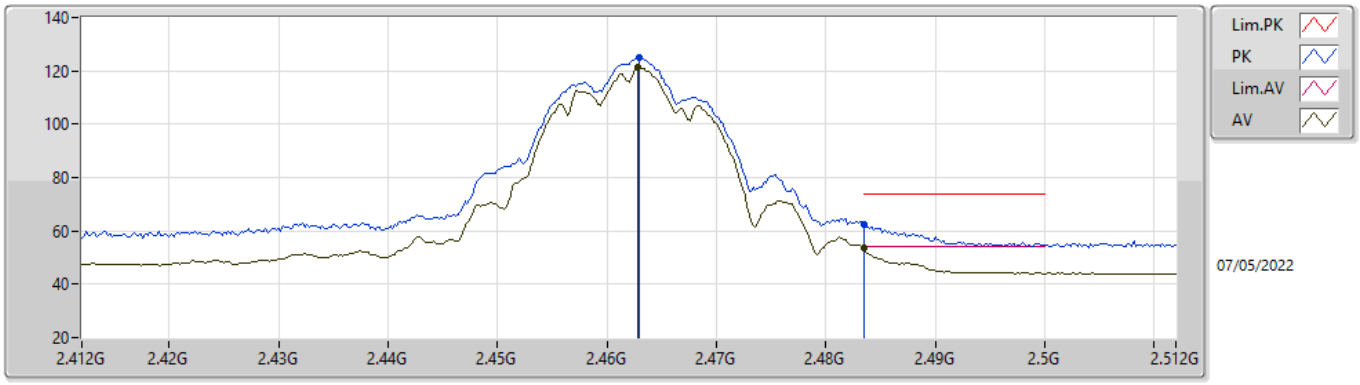


EUT Y_2TX
Setting 27
04-C-K-3

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	2.461G	116.46	Inf	-Inf	85.96	3	Vertical	177	2.74	-	27.67	2.83	-
AV	2.4612G	112.93	Inf	-Inf	82.43	3	Vertical	177	2.74	-	27.67	2.83	-
PK	2.4835G	56.58	74.00	-17.42	25.94	3	Vertical	177	2.74	-	27.80	2.84	-
AV	2.4835G	46.62	54.00	-7.38	15.98	3	Vertical	177	2.74	-	27.80	2.84	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

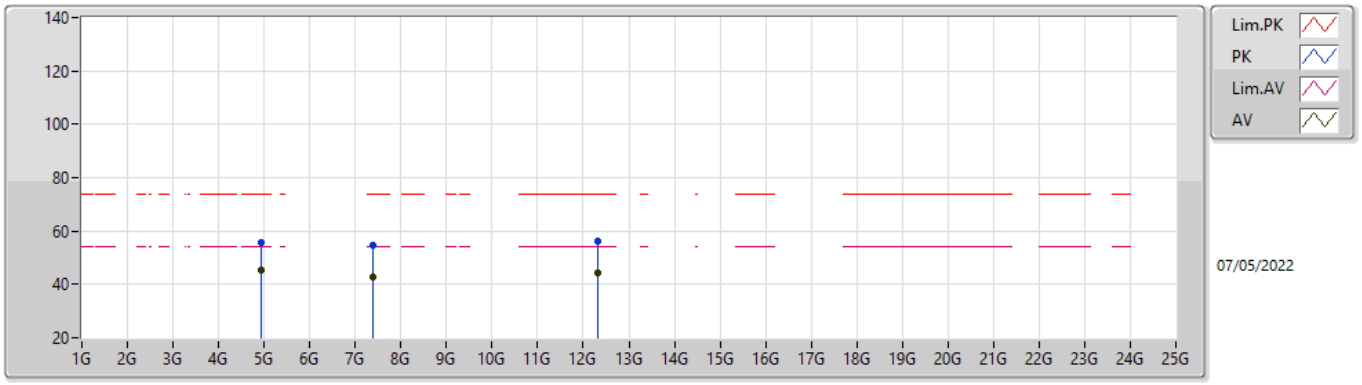


EUT Y_2TX
Setting 27
04-C-K-3

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	125.16	Inf	-Inf	94.65	3	Horizontal	267	1.01	-	27.68	2.83	-
AV	2.4628G	121.21	Inf	-Inf	90.70	3	Horizontal	267	1.01	-	27.68	2.83	-
PK	2.4835G	62.48	74.00	-11.52	31.84	3	Horizontal	267	1.01	-	27.80	2.84	-
AV	2.4835G	53.52	54.00	-0.48	22.88	3	Horizontal	267	1.01	-	27.80	2.84	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

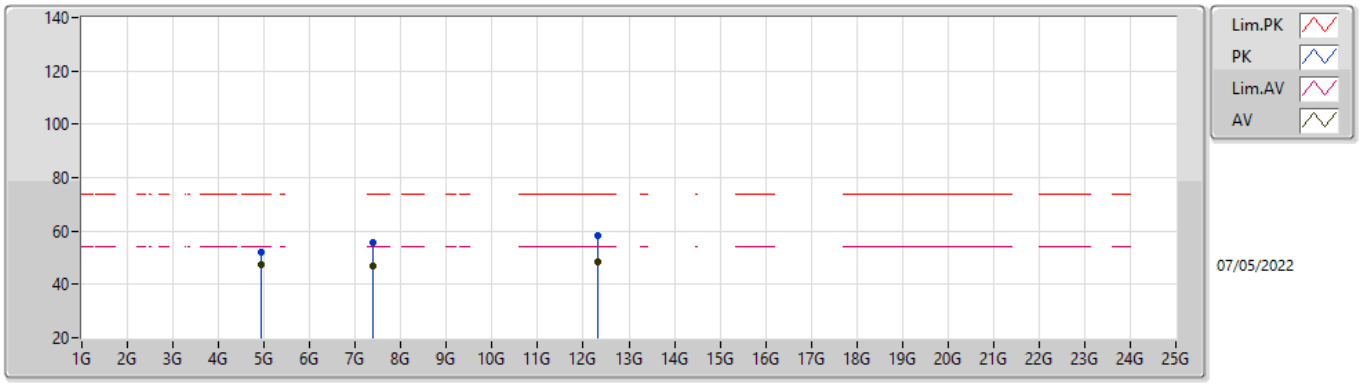


EUT Y_2TX
Setting 27
04-C-K-3

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	4.92406G	55.59	74.00	-18.41	50.88	3	Vertical	210	2.00	-	33.05	4.86	33.20
AV	4.92402G	45.46	54.00	-8.54	40.75	3	Vertical	210	2.00	-	33.05	4.86	33.20
PK	7.38696G	54.88	74.00	-19.12	44.89	3	Vertical	327	2.31	-	37.65	6.09	33.75
AV	7.38668G	42.91	54.00	-11.09	32.92	3	Vertical	327	2.31	-	37.65	6.09	33.75
PK	12.31052G	56.46	74.00	-17.54	43.65	3	Vertical	198	2.01	-	38.73	8.94	34.86
AV	12.30926G	44.20	54.00	-9.80	31.39	3	Vertical	198	2.01	-	38.73	8.94	34.86

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

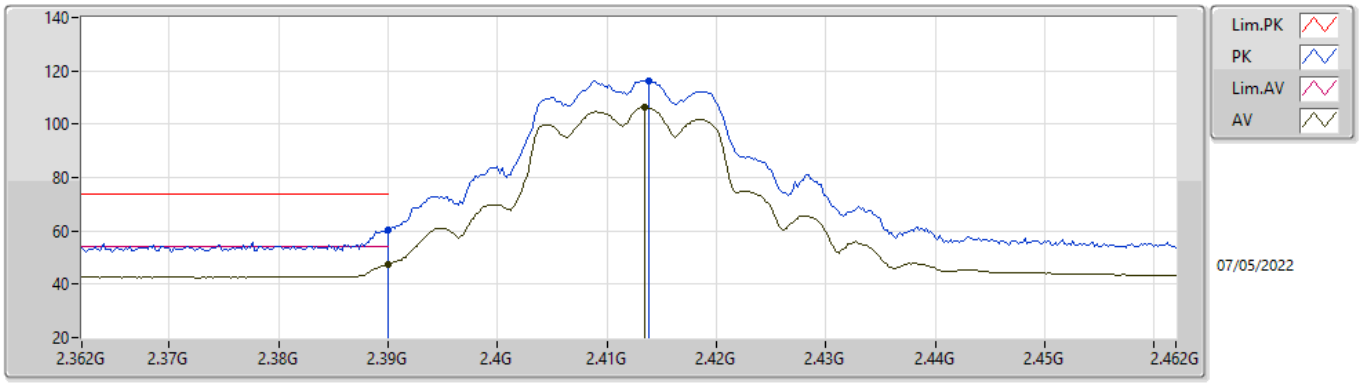


EUT Y_2TX
Setting 27
04-C-K-3

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	4.92392G	52.18	74.00	-21.82	47.47	3	Horizontal	87	2.95	-	33.05	4.86	33.20
AV	4.924G	47.41	54.00	-6.59	42.70	3	Horizontal	87	2.95	-	33.05	4.86	33.20
PK	7.38698G	55.92	74.00	-18.08	45.93	3	Horizontal	95	2.96	-	37.65	6.09	33.75
AV	7.38672G	46.68	54.00	-7.32	36.69	3	Horizontal	95	2.96	-	37.65	6.09	33.75
PK	12.31066G	58.10	74.00	-15.90	45.29	3	Horizontal	126	1.93	-	38.73	8.94	34.86
AV	12.30928G	48.62	54.00	-5.38	35.81	3	Horizontal	126	1.93	-	38.73	8.94	34.86

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

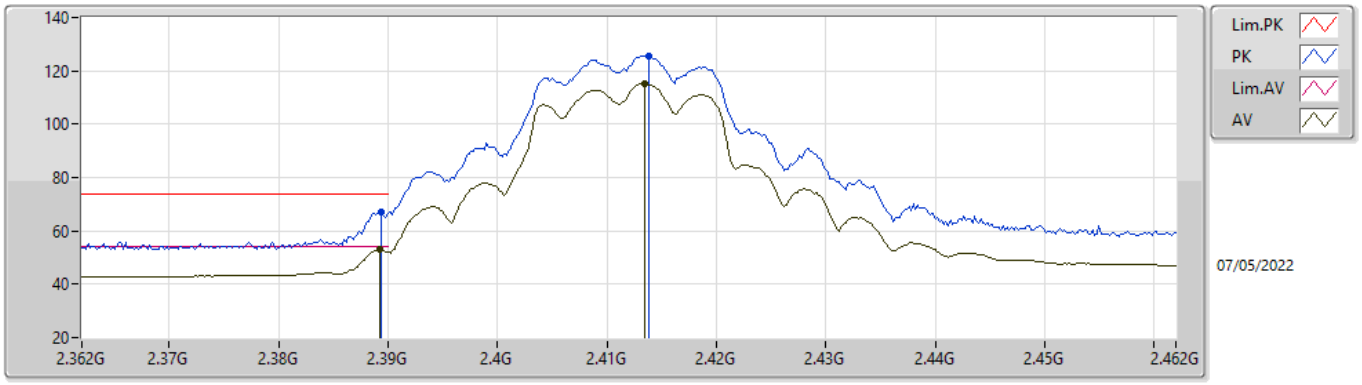


EUT Y_2TX
Setting 25.5
04-C-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	60.44	74.00	-13.56	30.17	3	Vertical	258	1.03	-	27.48	2.79	-
AV	2.39G	47.54	54.00	-6.46	17.27	3	Vertical	258	1.03	-	27.48	2.79	-
PK	2.4138G	116.39	Inf	-Inf	86.05	3	Vertical	258	1.03	-	27.53	2.81	-
AV	2.4134G	106.29	Inf	-Inf	75.95	3	Vertical	258	1.03	-	27.53	2.81	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

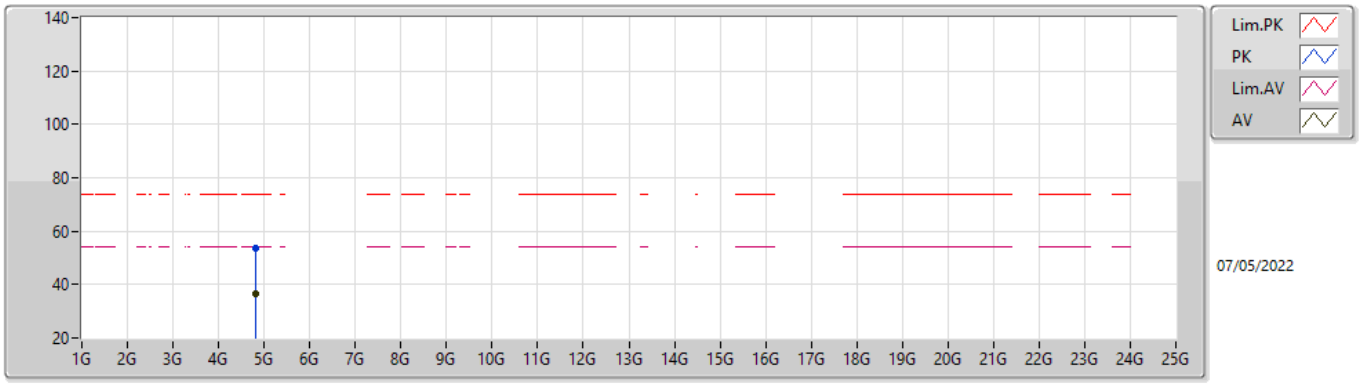


EUT Y_2TX
Setting 25.5
04-C-K-3

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	66.94	74.00	-7.06	36.67	3	Horizontal	262	1.26	-	27.48	2.79	-
AV	2.3892G	53.26	54.00	-0.74	22.99	3	Horizontal	262	1.26	-	27.48	2.79	-
PK	2.4138G	125.50	Inf	-Inf	95.16	3	Horizontal	262	1.26	-	27.53	2.81	-
AV	2.4134G	115.24	Inf	-Inf	84.90	3	Horizontal	262	1.26	-	27.53	2.81	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

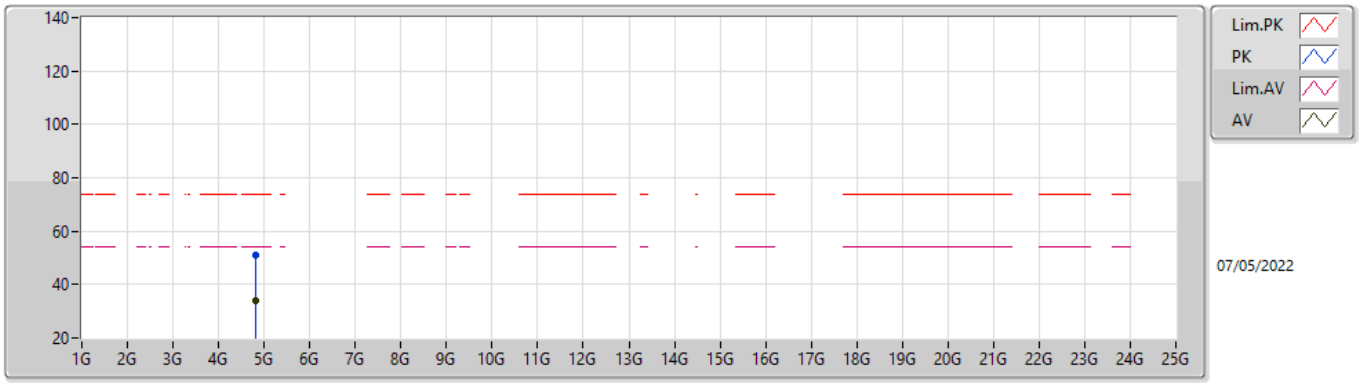


EUT Y_2TX
Setting 25.5
04-C-K-3

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	4.81832G	53.59	74.00	-20.41	49.36	3	Vertical	211	2.20	-	32.67	4.81	33.25
AV	4.82404G	36.78	54.00	-17.22	32.52	3	Vertical	211	2.20	-	32.70	4.81	33.25

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

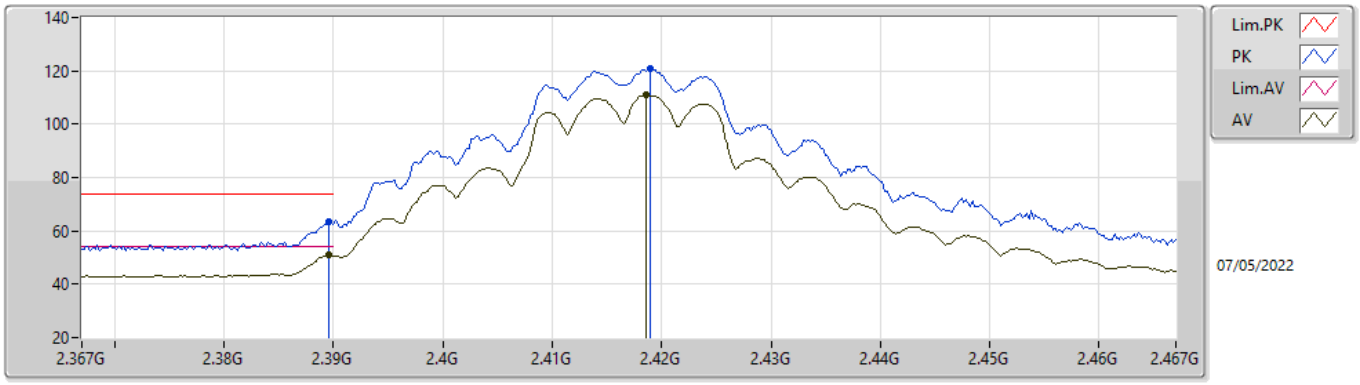


EUT Y_2TX
Setting 25.5
04-C-K-3

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	4.82224G	50.99	74.00	-23.01	46.74	3	Horizontal	223	3.00	-	32.69	4.81	33.25
AV	4.82384G	33.79	54.00	-20.21	29.53	3	Horizontal	223	3.00	-	32.70	4.81	33.25

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

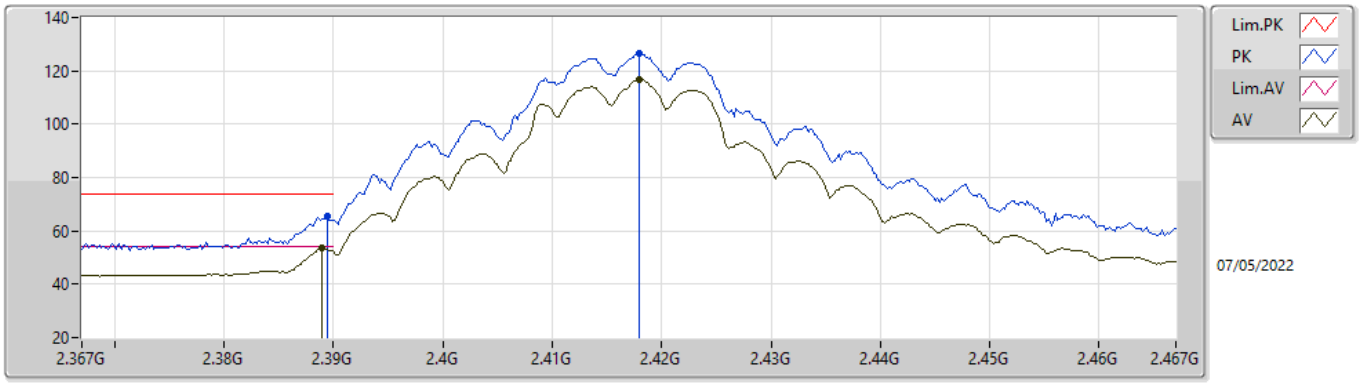


EUT Y_2TX
Setting 27.5
04-C-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3896G	63.50	74.00	-10.50	33.23	3	Vertical	172	1.12	-	27.48	2.79	-
AV	2.3896G	50.87	54.00	-3.13	20.60	3	Vertical	172	1.12	-	27.48	2.79	-
PK	2.419G	120.89	Inf	-Inf	90.54	3	Vertical	172	1.12	-	27.54	2.81	-
AV	2.4186G	111.13	Inf	-Inf	80.78	3	Vertical	172	1.12	-	27.54	2.81	-

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

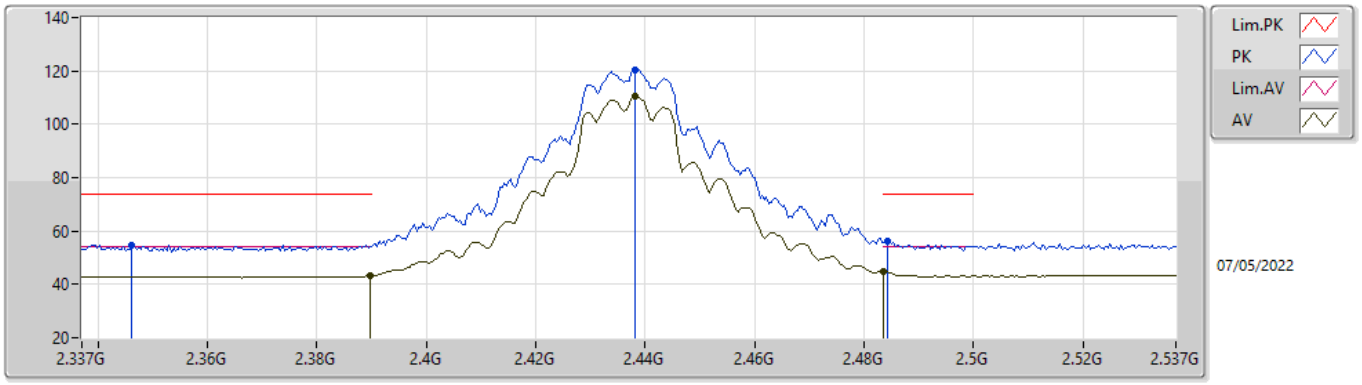


EUT Y_2TX
Setting 27.5
04-C-K-3

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	65.32	74.00	-8.68	35.05	3	Horizontal	250	2.18	-	27.48	2.79	-
AV	2.389G	53.38	54.00	-0.62	23.11	3	Horizontal	250	2.18	-	27.48	2.79	-
PK	2.418G	126.72	Inf	-Inf	96.37	3	Horizontal	250	2.18	-	27.54	2.81	-
AV	2.418G	116.81	Inf	-Inf	86.46	3	Horizontal	250	2.18	-	27.54	2.81	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

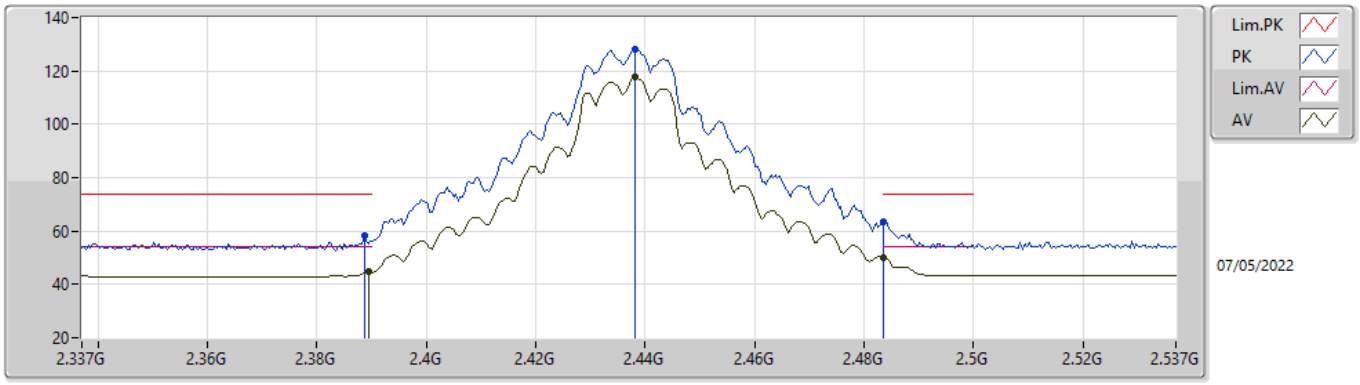


EUT Y_2TX
Setting 30
04-C-K-3

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	2.3462G	54.63	74.00	-19.37	24.44	3	Vertical	162	1.04	-	27.42	2.77	-
AV	2.3898G	43.27	54.00	-10.73	13.00	3	Vertical	162	1.04	-	27.48	2.79	-
PK	2.4382G	120.54	Inf	-Inf	90.14	3	Vertical	162	1.04	-	27.58	2.82	-
AV	2.4382G	110.50	Inf	-Inf	80.10	3	Vertical	162	1.04	-	27.58	2.82	-
PK	2.4842G	56.08	74.00	-17.92	25.43	3	Vertical	162	1.04	-	27.81	2.84	-
AV	2.4835G	44.69	54.00	-9.31	14.05	3	Vertical	162	1.04	-	27.80	2.84	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

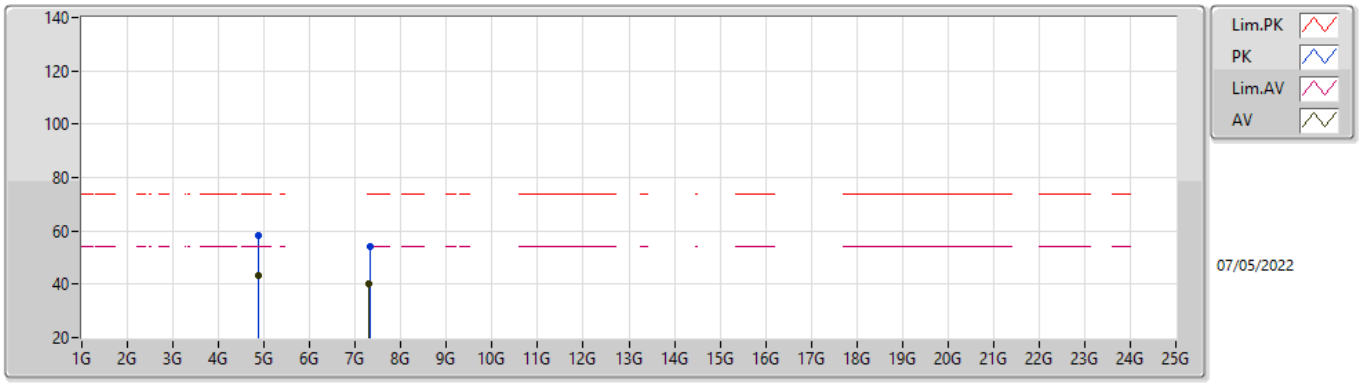


EUT Y_2TX
Setting 30
04-C-K-3

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	58.35	74.00	-15.65	28.08	3	Horizontal	281	1.44	-	27.48	2.79	-
AV	2.3894G	44.72	54.00	-9.28	14.45	3	Horizontal	281	1.44	-	27.48	2.79	-
PK	2.4382G	128.13	Inf	-Inf	97.73	3	Horizontal	281	1.44	-	27.58	2.82	-
AV	2.4382G	117.82	Inf	-Inf	87.42	3	Horizontal	281	1.44	-	27.58	2.82	-
PK	2.4835G	63.61	74.00	-10.39	32.97	3	Horizontal	281	1.44	-	27.80	2.84	-
AV	2.4835G	50.08	54.00	-3.92	19.44	3	Horizontal	281	1.44	-	27.80	2.84	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

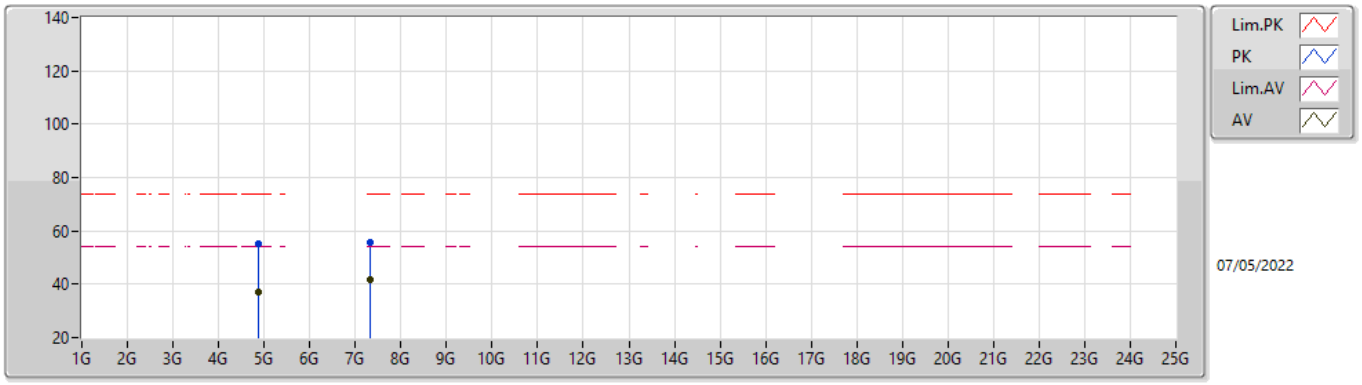


EUT Y_2TX
Setting 30
04-C-K-3

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	4.875G	58.05	74.00	-15.95	53.53	3	Vertical	208	2.16	-	32.90	4.84	33.22
AV	4.874G	43.20	54.00	-10.80	38.69	3	Vertical	208	2.16	-	32.90	4.84	33.23
PK	7.3143G	54.30	74.00	-19.70	44.41	3	Vertical	200	2.11	-	37.50	6.06	33.67
AV	7.3098G	40.41	54.00	-13.59	30.52	3	Vertical	200	2.11	-	37.50	6.05	33.66

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

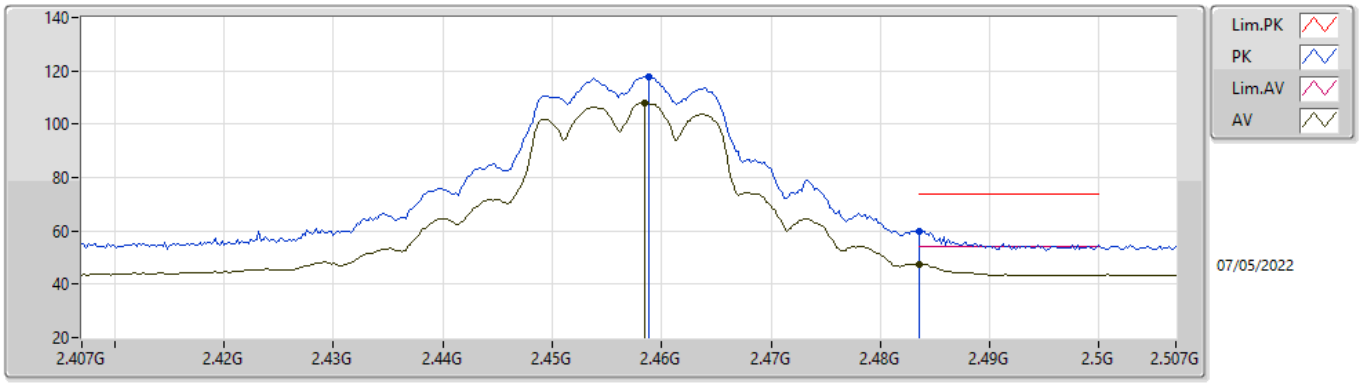


EUT Y_2TX
Setting 30
04-C-K-3

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	4.8769G	55.12	74.00	-18.88	50.59	3	Horizontal	222	1.98	-	32.91	4.84	33.22
AV	4.876G	37.29	54.00	-16.71	32.77	3	Horizontal	222	1.98	-	32.90	4.84	33.22
PK	7.3148G	55.44	74.00	-18.56	45.55	3	Horizontal	107	2.18	-	37.50	6.06	33.67
AV	7.3134G	41.74	54.00	-12.26	31.85	3	Horizontal	107	2.18	-	37.50	6.06	33.67

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

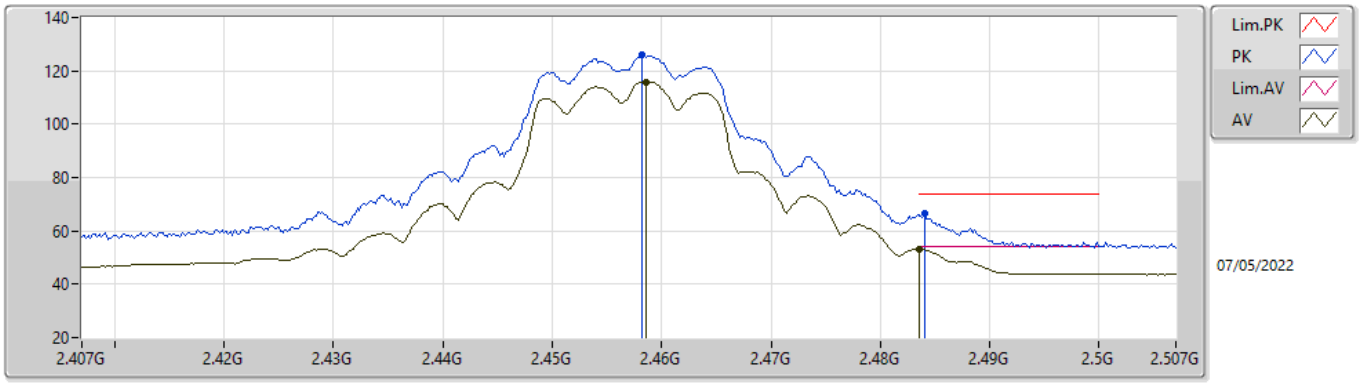


EUT Y_2TX
Setting 25.5
04-C-K-3

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	2.4588G	117.95	Inf	-Inf	87.47	3	Vertical	173	1.15	-	27.65	2.83	-
AV	2.4584G	108.09	Inf	-Inf	77.61	3	Vertical	173	1.15	-	27.65	2.83	-
PK	2.4835G	59.71	74.00	-14.29	29.07	3	Vertical	173	1.15	-	27.80	2.84	-
AV	2.4835G	47.38	54.00	-6.62	16.74	3	Vertical	173	1.15	-	27.80	2.84	-

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

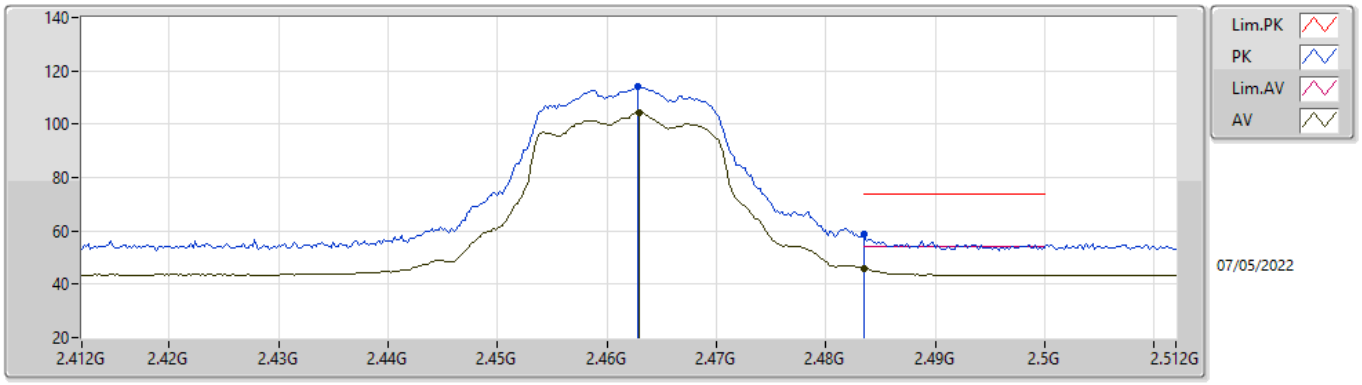


EUT Y_2TX
Setting 25.5
04-C-K-3

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	2.4582G	126.09	Inf	-Inf	95.61	3	Horizontal	284	1.21	-	27.65	2.83	-
AV	2.4586G	115.82	Inf	-Inf	85.34	3	Horizontal	284	1.21	-	27.65	2.83	-
PK	2.484G	66.32	74.00	-7.68	35.68	3	Horizontal	284	1.21	-	27.80	2.84	-
AV	2.4836G	53.06	54.00	-0.94	22.42	3	Horizontal	284	1.21	-	27.80	2.84	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

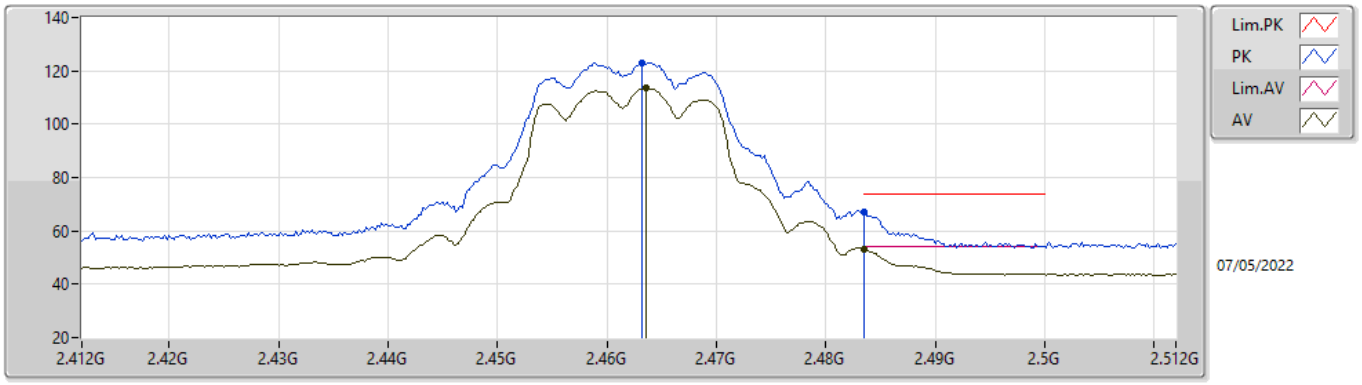


EUT Y_2TX
Setting 23
04-C-K-3

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	2.4628G	114.26	Inf	-Inf	83.75	3	Vertical	261	1.77	-	27.68	2.83	-
AV	2.463G	104.33	Inf	-Inf	73.82	3	Vertical	261	1.77	-	27.68	2.83	-
PK	2.4835G	58.85	74.00	-15.15	28.21	3	Vertical	261	1.77	-	27.80	2.84	-
AV	2.4835G	46.05	54.00	-7.95	15.41	3	Vertical	261	1.77	-	27.80	2.84	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

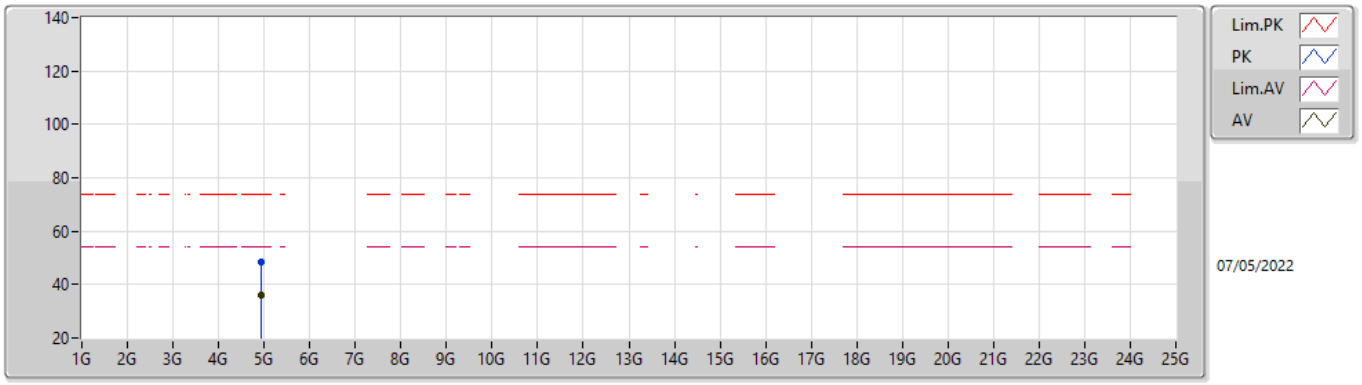


EUT Y_2TX
Setting 23
04-C-K-3

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	2.4632G	123.15	Inf	-Inf	92.64	3	Horizontal	284	1.22	-	27.68	2.83	-
AV	2.4636G	113.41	Inf	-Inf	82.90	3	Horizontal	284	1.22	-	27.68	2.83	-
PK	2.4835G	67.19	74.00	-6.81	36.55	3	Horizontal	284	1.22	-	27.80	2.84	-
AV	2.4835G	53.34	54.00	-0.66	22.70	3	Horizontal	284	1.22	-	27.80	2.84	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

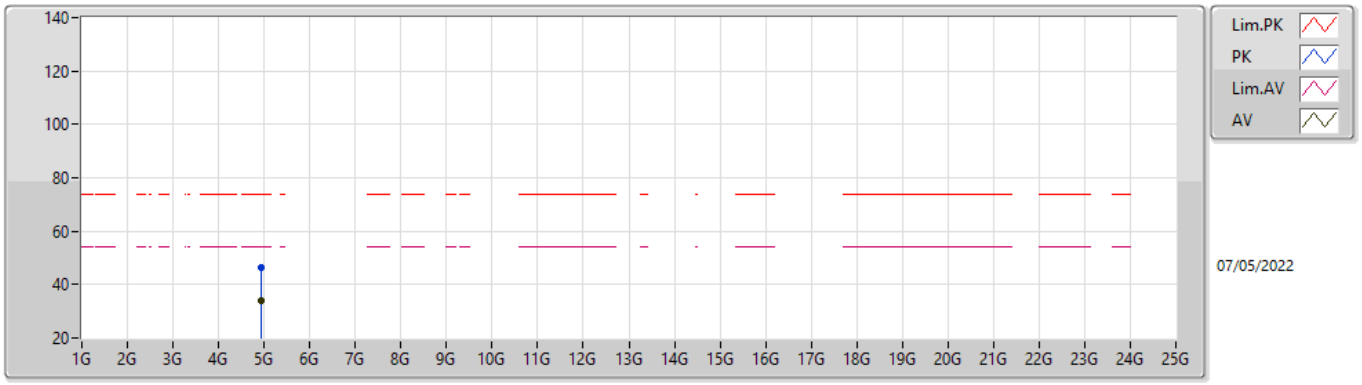


EUT Y_2TX
Setting 23
04-C-K-3

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	4.9254G	48.43	74.00	-25.57	43.72	3	Vertical	205	2.20	-	33.05	4.86	33.20
AV	4.92384G	35.88	54.00	-18.12	31.17	3	Vertical	205	2.20	-	33.05	4.86	33.20

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

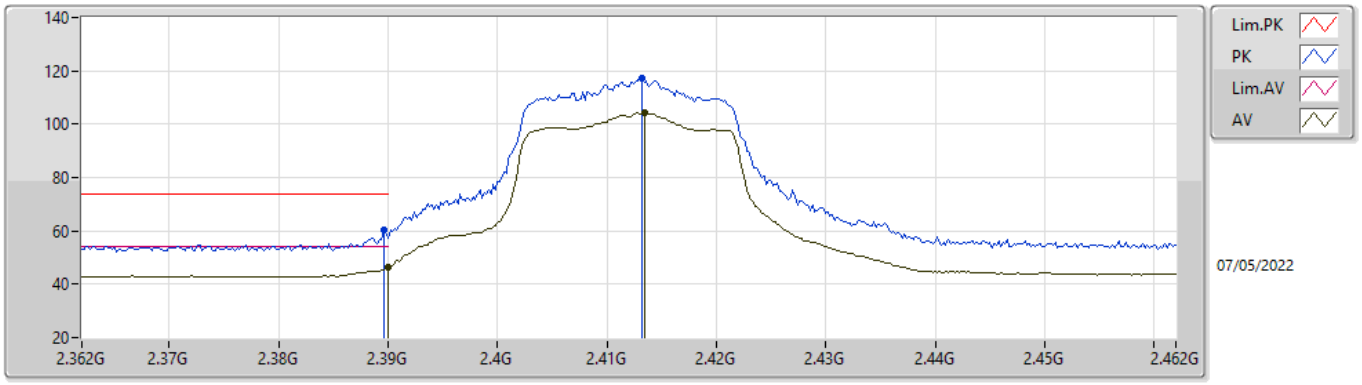


EUT Y_2TX
Setting 23
04-C-K-3

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	4.91974G	46.45	74.00	-27.55	41.75	3	Horizontal	113	2.20	-	33.04	4.86	33.20
AV	4.92406G	34.08	54.00	-19.92	29.37	3	Horizontal	113	2.20	-	33.05	4.86	33.20

802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

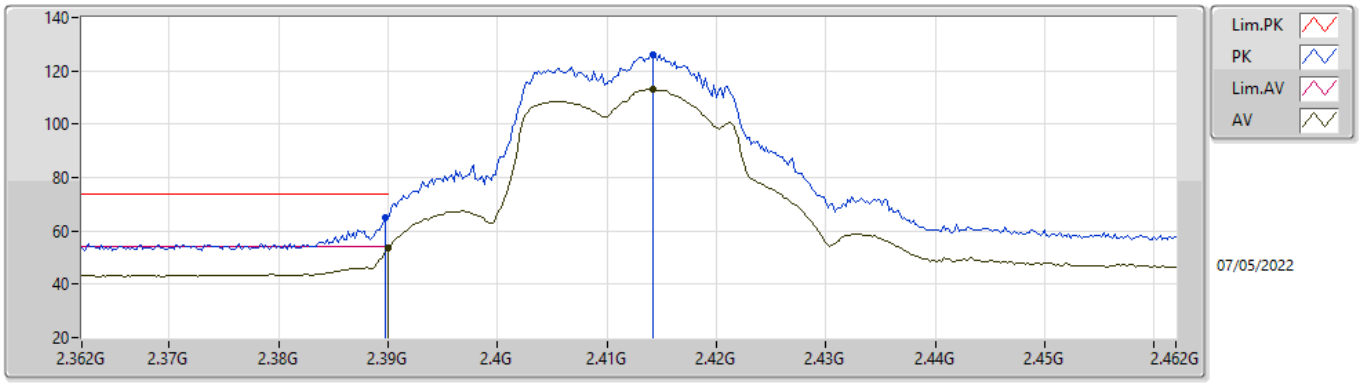


EUT Y_2TX
Setting 24
04-C-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3896G	60.35	74.00	-13.65	30.08	3	Vertical	263	1.80	-	27.48	2.79	-
AV	2.39G	46.29	54.00	-7.71	16.02	3	Vertical	263	1.80	-	27.48	2.79	-
PK	2.4132G	117.20	Inf	-Inf	86.86	3	Vertical	263	1.80	-	27.53	2.81	-
AV	2.4134G	104.10	Inf	-Inf	73.76	3	Vertical	263	1.80	-	27.53	2.81	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

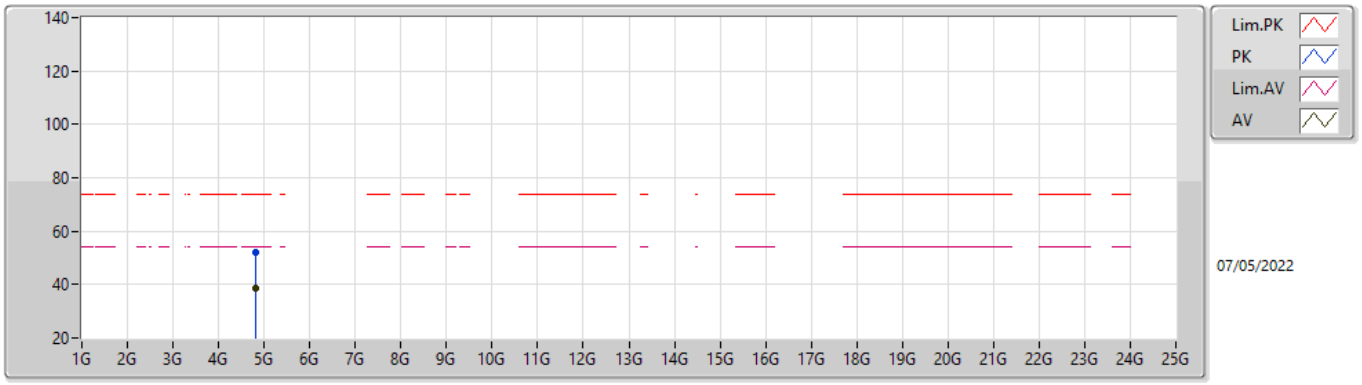


EUT Y_2TX
Setting 24
04-C-K-3

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	65.22	74.00	-8.78	34.95	3	Horizontal	260	1.29	-	27.48	2.79	-
AV	2.39G	53.56	54.00	-0.44	23.29	3	Horizontal	260	1.29	-	27.48	2.79	-
PK	2.4142G	125.90	Inf	-Inf	95.56	3	Horizontal	260	1.29	-	27.53	2.81	-
AV	2.4142G	113.13	Inf	-Inf	82.79	3	Horizontal	260	1.29	-	27.53	2.81	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

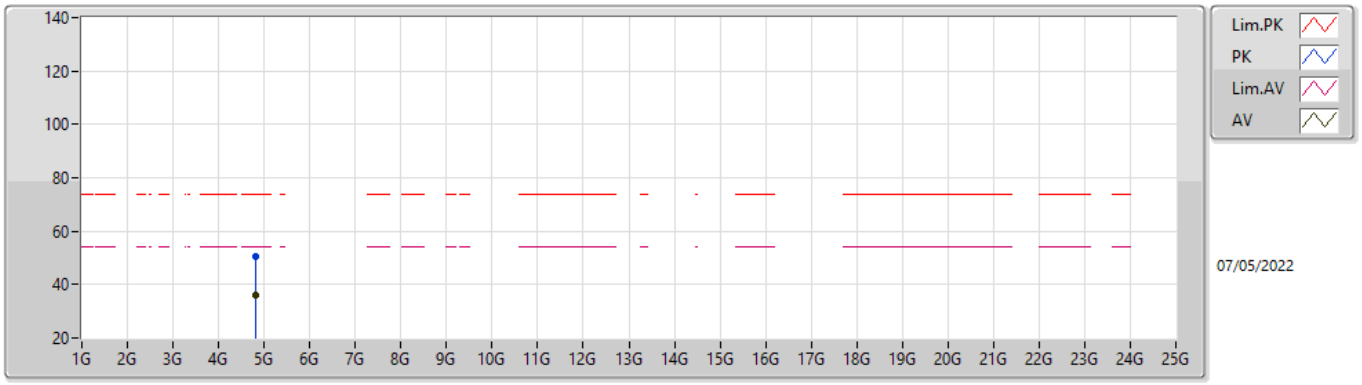


EUT Y_2TX
Setting 24
04-C-K-3

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	4.82492G	52.12	74.00	-21.88	47.86	3	Vertical	211	2.18	-	32.70	4.81	33.25
AV	4.82392G	38.53	54.00	-15.47	34.27	3	Vertical	211	2.18	-	32.70	4.81	33.25

802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

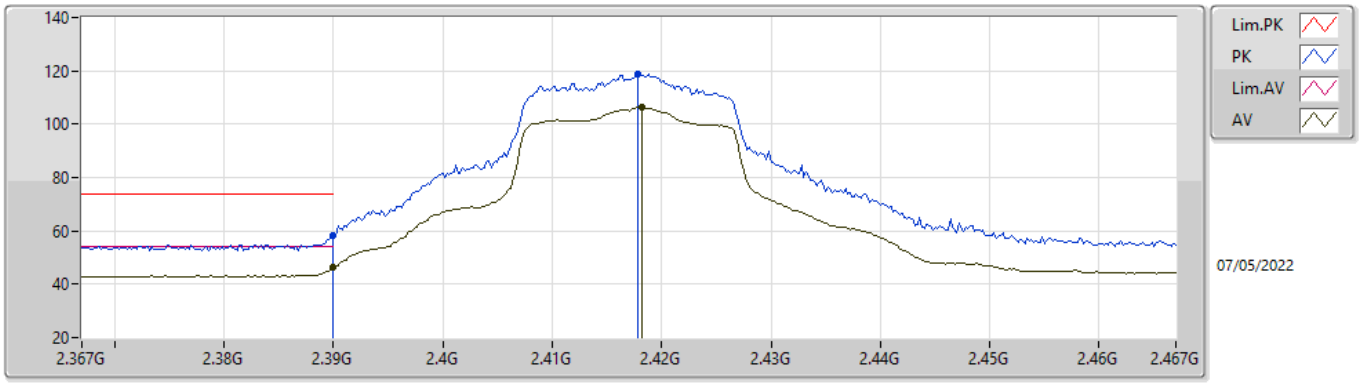


EUT Y_2TX
Setting 24
04-C-K-3

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	4.82664G	50.41	74.00	-23.59	46.14	3	Horizontal	224	1.98	-	32.71	4.81	33.25
AV	4.82284G	35.83	54.00	-18.17	31.58	3	Horizontal	224	1.98	-	32.69	4.81	33.25

802.11ax HEW20_Nss1,(MCS0)_2TX

2417MHz_TX

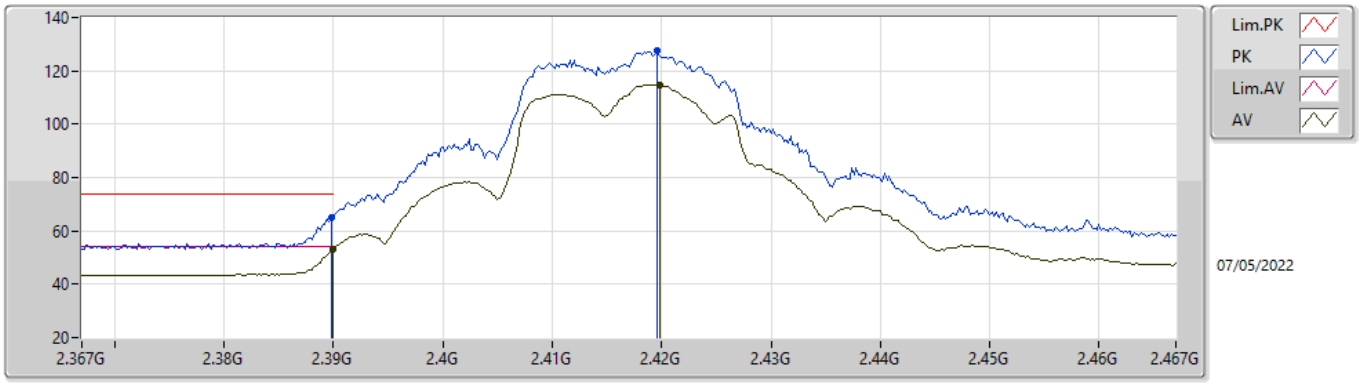


EUT Y_2TX
Setting 26
04-C-K-3

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	58.36	74.00	-15.64	28.09	3	Vertical	263	1.80	-	27.48	2.79	-
AV	2.39G	46.21	54.00	-7.79	15.94	3	Vertical	263	1.80	-	27.48	2.79	-
PK	2.4178G	118.84	Inf	-Inf	88.49	3	Vertical	263	1.80	-	27.54	2.81	-
AV	2.4182G	106.42	Inf	-Inf	76.07	3	Vertical	263	1.80	-	27.54	2.81	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2417MHz_TX

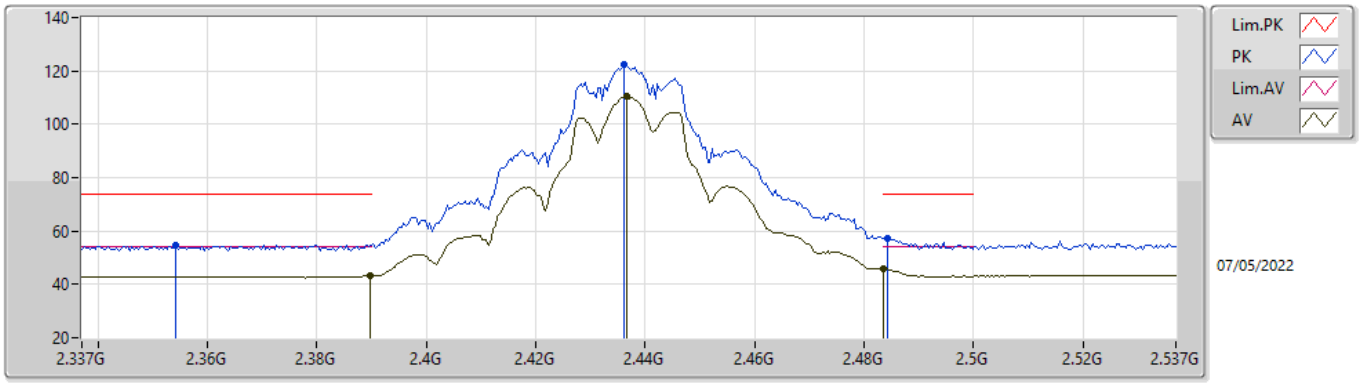


EUT Y_2TX
Setting 26
04-C-K-3

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	64.84	74.00	-9.16	34.57	3	Horizontal	257	1.31	-	27.48	2.79	-
AV	2.39G	53.03	54.00	-0.97	22.76	3	Horizontal	257	1.31	-	27.48	2.79	-
PK	2.4196G	127.47	Inf	-Inf	97.12	3	Horizontal	257	1.31	-	27.54	2.81	-
AV	2.4198G	114.71	Inf	-Inf	84.36	3	Horizontal	257	1.31	-	27.54	2.81	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

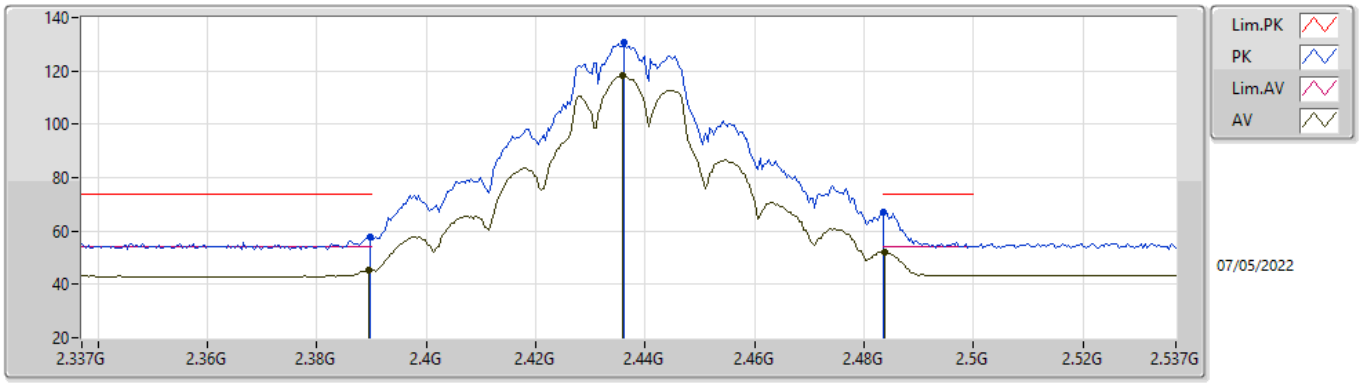


EUT Y_2TX
Setting 30
04-C-K-3

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	2.3542G	54.86	74.00	-19.14	24.67	3	Vertical	172	1.28	-	27.41	2.78	-
AV	2.3898G	43.11	54.00	-10.89	12.84	3	Vertical	172	1.28	-	27.48	2.79	-
PK	2.4362G	122.67	Inf	-Inf	92.28	3	Vertical	172	1.28	-	27.57	2.82	-
AV	2.4366G	110.27	Inf	-Inf	79.88	3	Vertical	172	1.28	-	27.57	2.82	-
PK	2.4842G	57.43	74.00	-16.57	26.78	3	Vertical	172	1.28	-	27.81	2.84	-
AV	2.4835G	45.80	54.00	-8.20	15.16	3	Vertical	172	1.28	-	27.80	2.84	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

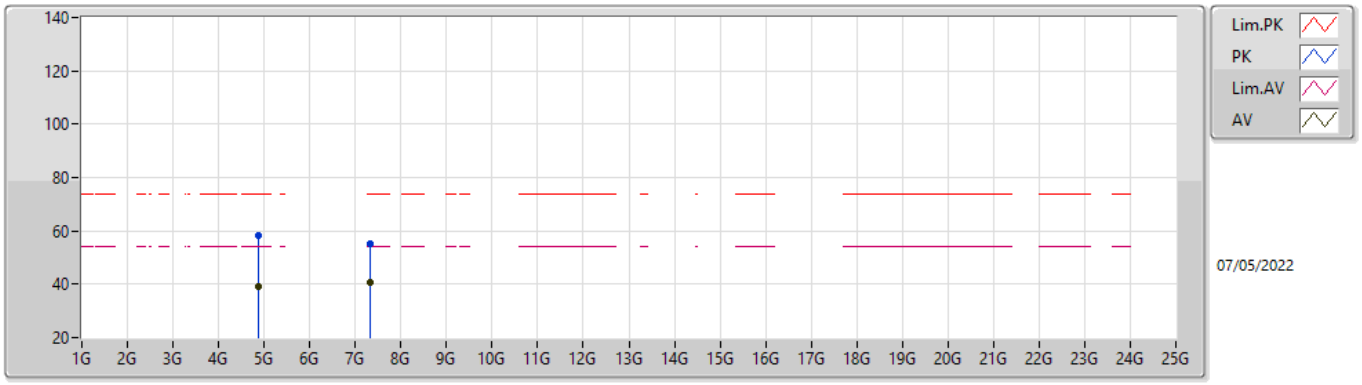


EUT Y_2TX
Setting 30
04-C-K-3

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	57.71	74.00	-16.29	27.44	3	Horizontal	231	1.29	-	27.48	2.79	-
AV	2.3894G	45.27	54.00	-8.73	15.00	3	Horizontal	231	1.29	-	27.48	2.79	-
PK	2.4362G	130.44	Inf	-Inf	100.05	3	Horizontal	231	1.29	-	27.57	2.82	-
AV	2.4358G	118.27	Inf	-Inf	87.88	3	Horizontal	231	1.29	-	27.57	2.82	-
PK	2.4835G	67.15	74.00	-6.85	36.51	3	Horizontal	231	1.29	-	27.80	2.84	-
AV	2.4838G	52.15	54.00	-1.85	21.51	3	Horizontal	231	1.29	-	27.80	2.84	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

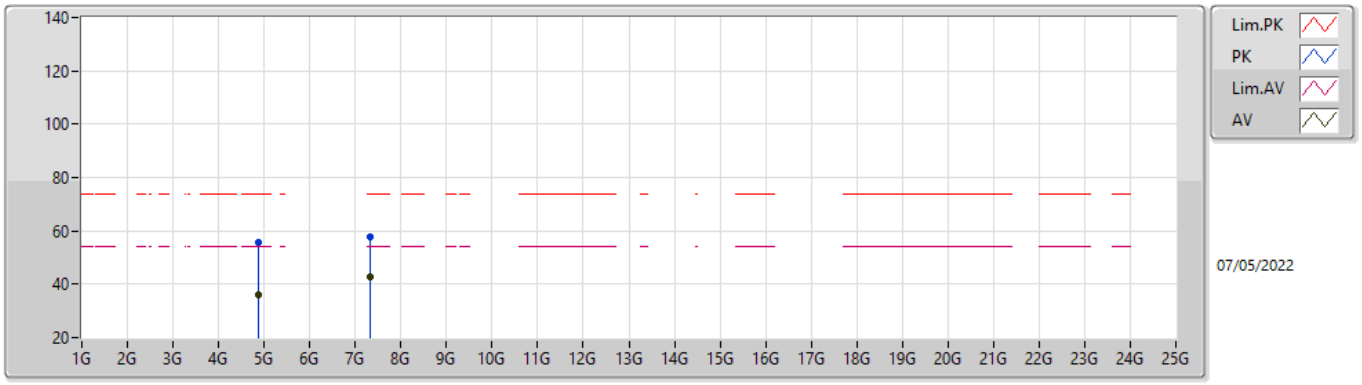


EUT Y_2TX
Setting 30
04-C-K-3

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	4.8766G	58.16	74.00	-15.84	53.63	3	Vertical	211	2.15	-	32.91	4.84	33.22
AV	4.8739G	38.92	54.00	-15.08	34.41	3	Vertical	211	2.15	-	32.90	4.84	33.23
PK	7.3146G	55.40	74.00	-18.60	45.51	3	Vertical	331	2.01	-	37.50	6.06	33.67
AV	7.3151G	40.75	54.00	-13.25	30.86	3	Vertical	331	2.01	-	37.50	6.06	33.67

802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

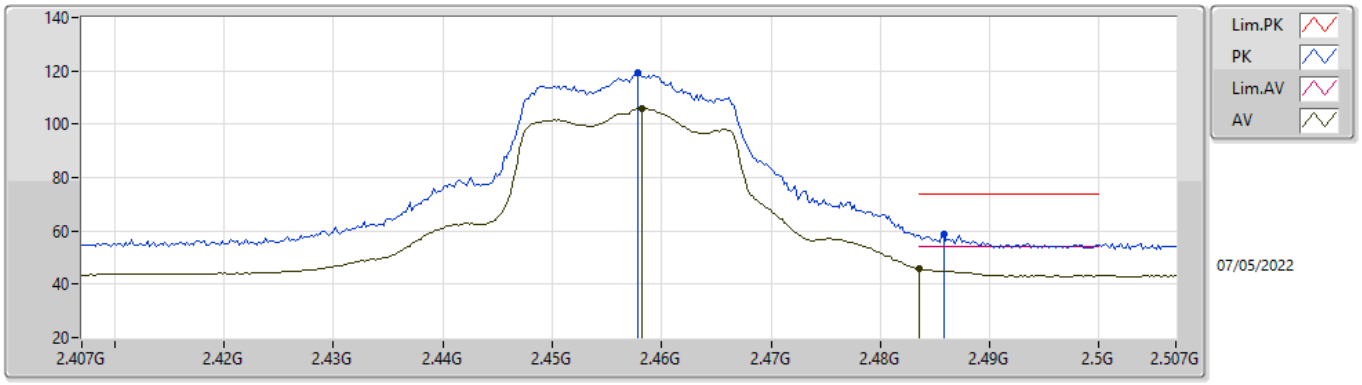


EUT Y_2TX
Setting 30
04-C-K-3

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	4.8724G	55.66	74.00	-18.34	51.16	3	Horizontal	223	3.00	-	32.89	4.84	33.23
AV	4.8708G	35.83	54.00	-18.17	31.34	3	Horizontal	223	3.00	-	32.88	4.84	33.23
PK	7.3149G	57.93	74.00	-16.07	48.04	3	Horizontal	108	2.34	-	37.50	6.06	33.67
AV	7.3161G	42.67	54.00	-11.33	32.78	3	Horizontal	108	2.34	-	37.50	6.06	33.67

802.11ax HEW20_Nss1,(MCS0)_2TX

2457MHz_TX

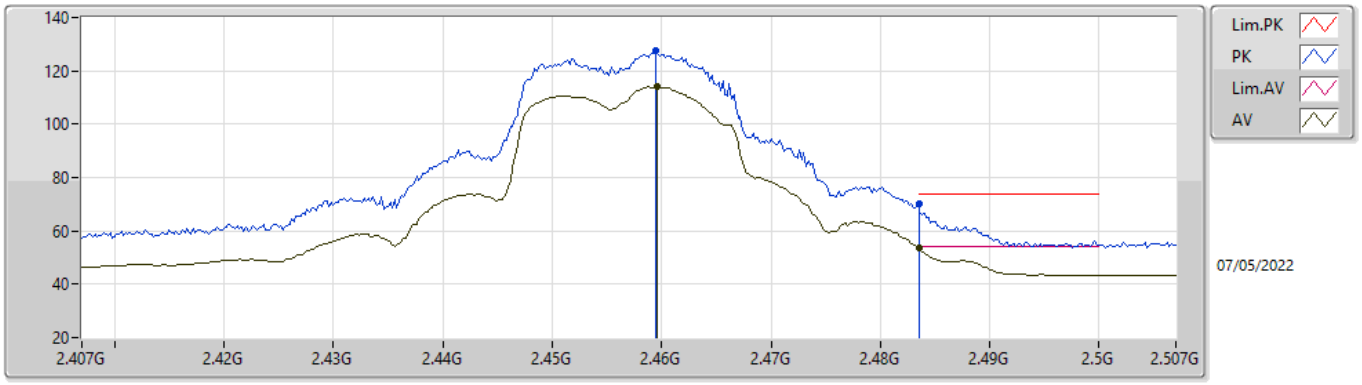


EUT Y_2TX
Setting 25.5
04-C-K-3

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	2.4578G	119.33	Inf	-Inf	88.85	3	Vertical	264	1.76	-	27.65	2.83	-
AV	2.4582G	105.81	Inf	-Inf	75.33	3	Vertical	264	1.76	-	27.65	2.83	-
PK	2.4858G	58.54	74.00	-15.46	27.89	3	Vertical	264	1.76	-	27.81	2.84	-
AV	2.4835G	45.68	54.00	-8.32	15.04	3	Vertical	264	1.76	-	27.80	2.84	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2457MHz_TX

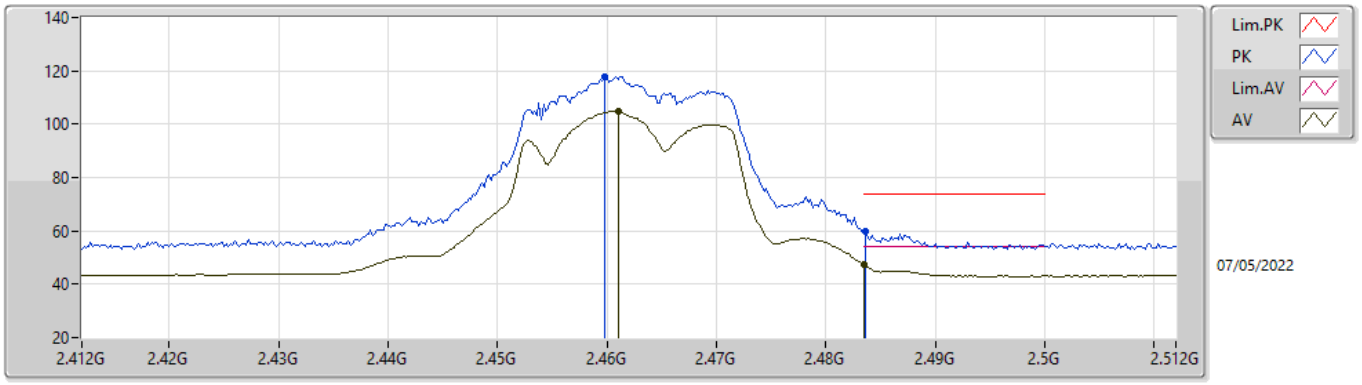


EUT Y_2TX
Setting 25.5
04-C-K-3

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	2.4594G	127.58	Inf	-Inf	97.09	3	Horizontal	284	1.22	-	27.66	2.83	-
AV	2.4596G	113.90	Inf	-Inf	83.41	3	Horizontal	284	1.22	-	27.66	2.83	-
PK	2.4835G	70.34	74.00	-3.66	39.70	3	Horizontal	284	1.22	-	27.80	2.84	-
AV	2.4835G	53.56	54.00	-0.44	22.92	3	Horizontal	284	1.22	-	27.80	2.84	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

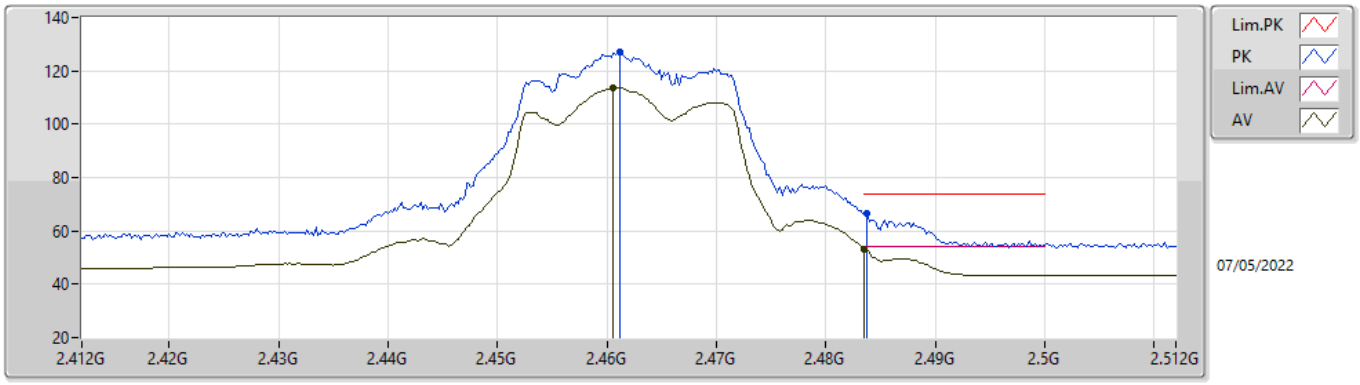


EUT Y_2TX
Setting 23.5
04-C-K-3

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	2.4598G	117.92	Inf	-Inf	87.43	3	Vertical	174	1.12	-	27.66	2.83	-
AV	2.461G	104.78	Inf	-Inf	74.28	3	Vertical	174	1.12	-	27.67	2.83	-
PK	2.4836G	59.79	74.00	-14.21	29.15	3	Vertical	174	1.12	-	27.80	2.84	-
AV	2.4835G	47.35	54.00	-6.65	16.71	3	Vertical	174	1.12	-	27.80	2.84	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

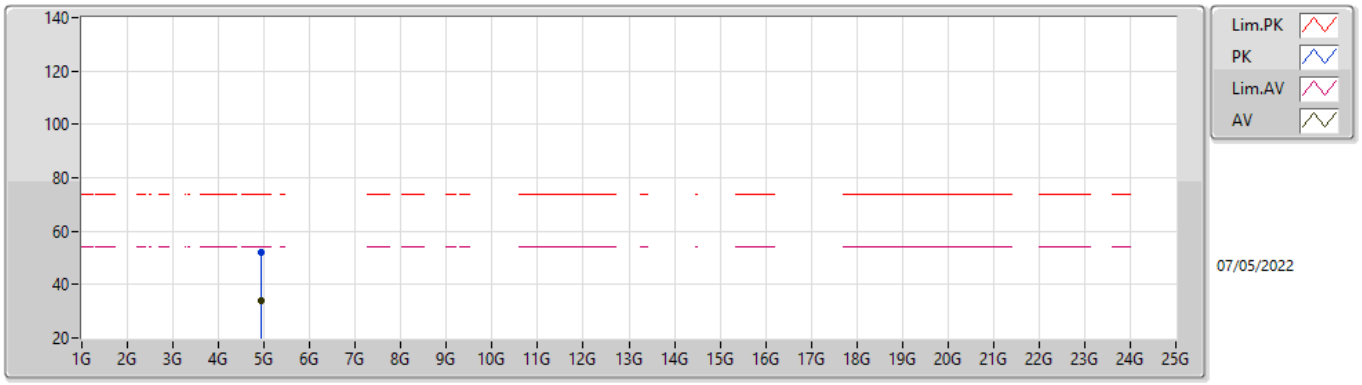


EUT Y_2TX
Setting 23.5
04-C-K-3

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	2.4612G	127.25	Inf	-Inf	96.75	3	Horizontal	284	1.24	-	27.67	2.83	-
AV	2.4606G	113.64	Inf	-Inf	83.15	3	Horizontal	284	1.24	-	27.66	2.83	-
PK	2.4838G	66.77	74.00	-7.23	36.13	3	Horizontal	284	1.24	-	27.80	2.84	-
AV	2.4835G	53.35	54.00	-0.65	22.71	3	Horizontal	284	1.24	-	27.80	2.84	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

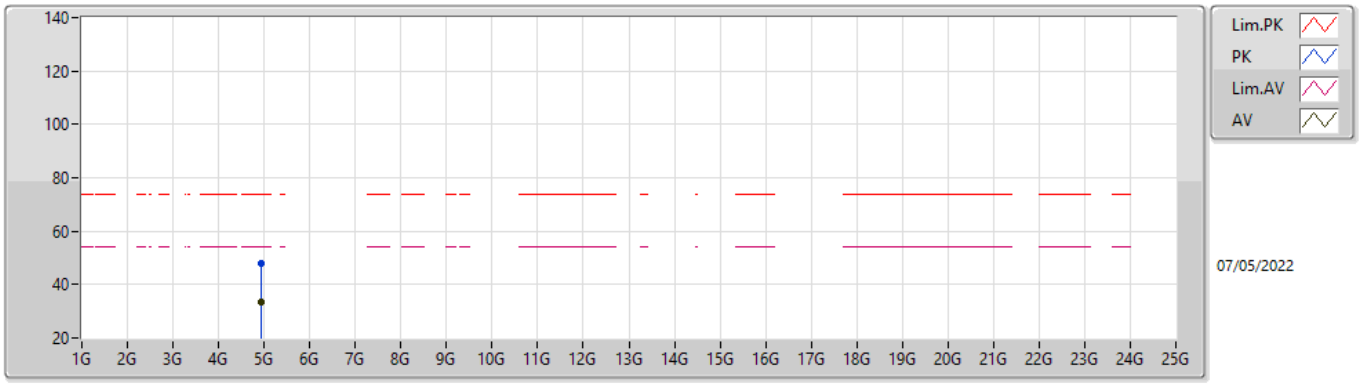


EUT Y_2TX
Setting 23.5
04-C-K-3

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	4.92486G	51.82	74.00	-22.18	47.11	3	Vertical	210	2.28	-	33.05	4.86	33.20
AV	4.92394G	34.19	54.00	-19.81	29.48	3	Vertical	210	2.28	-	33.05	4.86	33.20

802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

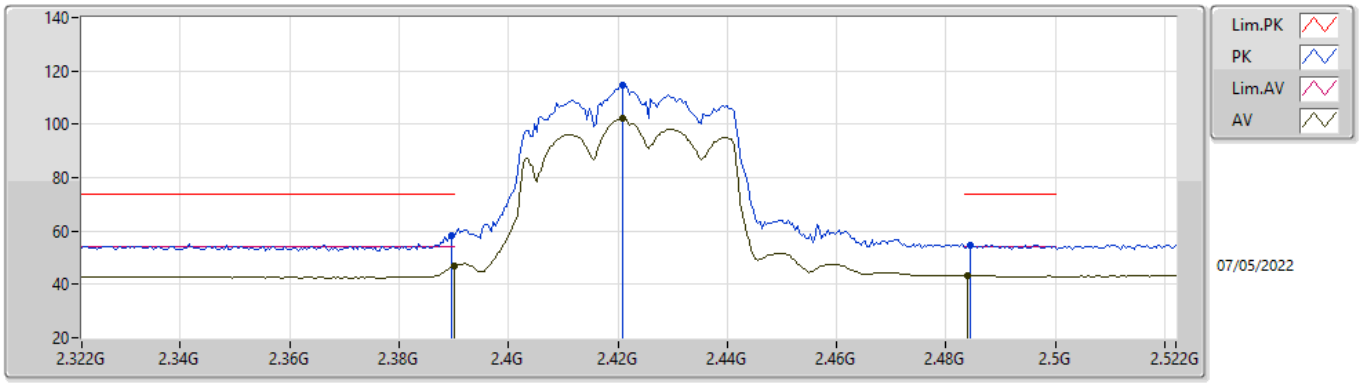


EUT Y_2TX
Setting 23.5
04-C-K-3

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	4.92378G	47.80	74.00	-26.20	43.09	3	Horizontal	130	1.90	-	33.05	4.86	33.20
AV	4.924G	33.67	54.00	-20.33	28.96	3	Horizontal	130	1.90	-	33.05	4.86	33.20

802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

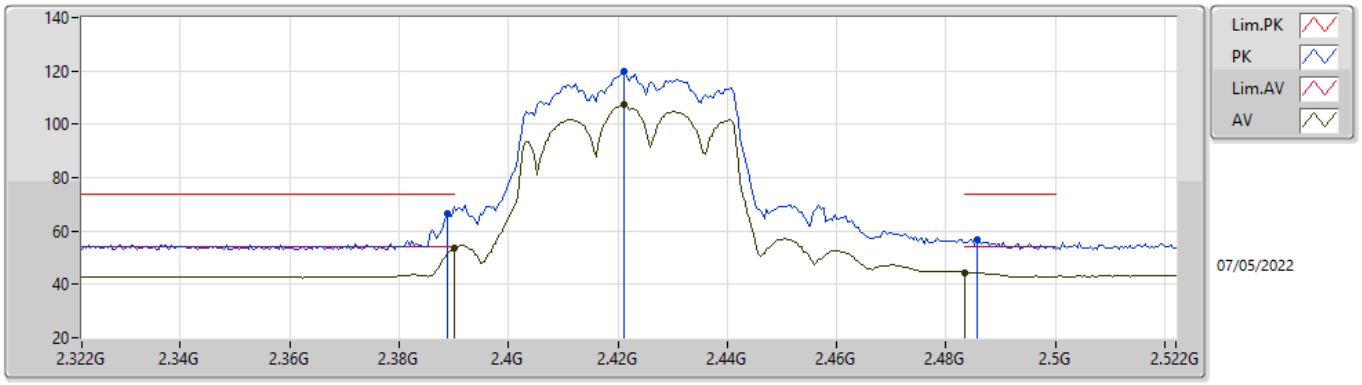


EUT Y_2TX
Setting 21.5
04-C-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3896G	58.38	74.00	-15.62	28.11	3	Vertical	173	1.12	-	27.48	2.79	-
AV	2.39G	46.90	54.00	-7.10	16.63	3	Vertical	173	1.12	-	27.48	2.79	-
PK	2.4208G	114.53	Inf	-Inf	84.18	3	Vertical	173	1.12	-	27.54	2.81	-
AV	2.4208G	102.05	Inf	-Inf	71.70	3	Vertical	173	1.12	-	27.54	2.81	-
PK	2.4844G	54.84	74.00	-19.16	24.19	3	Vertical	173	1.12	-	27.81	2.84	-
AV	2.484G	43.27	54.00	-10.73	12.63	3	Vertical	173	1.12	-	27.80	2.84	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

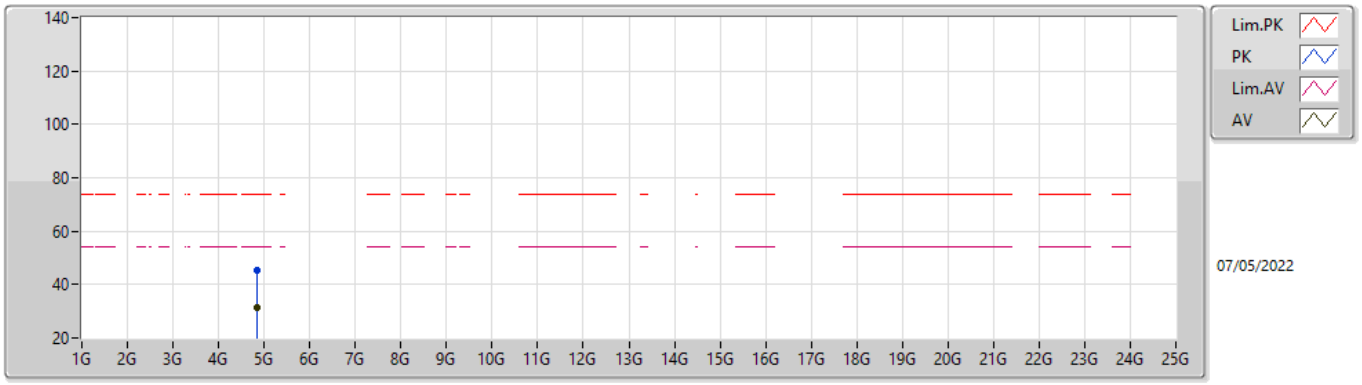


EUT Y_2TX
Setting 21.5
04-C-K-3

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	66.51	74.00	-7.49	36.24	3	Horizontal	233	1.23	-	27.48	2.79	-
AV	2.39G	53.71	54.00	-0.29	23.44	3	Horizontal	233	1.23	-	27.48	2.79	-
PK	2.4212G	119.80	Inf	-Inf	89.45	3	Horizontal	233	1.23	-	27.54	2.81	-
AV	2.4212G	107.39	Inf	-Inf	77.04	3	Horizontal	233	1.23	-	27.54	2.81	-
PK	2.4856G	56.93	74.00	-17.07	26.28	3	Horizontal	233	1.23	-	27.81	2.84	-
AV	2.4835G	44.43	54.00	-9.57	13.79	3	Horizontal	233	1.23	-	27.80	2.84	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

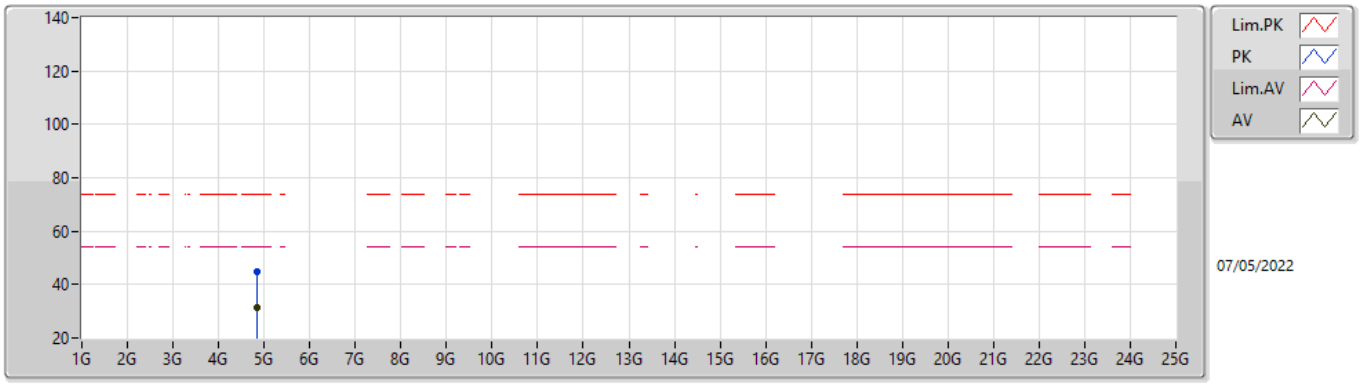


EUT Y_2TX
Setting 21.5
04-C-K-3

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	4.84191G	45.16	74.00	-28.84	40.81	3	Vertical	49	2.50	-	32.77	4.82	33.24
AV	4.84284G	31.56	54.00	-22.44	27.21	3	Vertical	49	2.50	-	32.77	4.82	33.24

802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

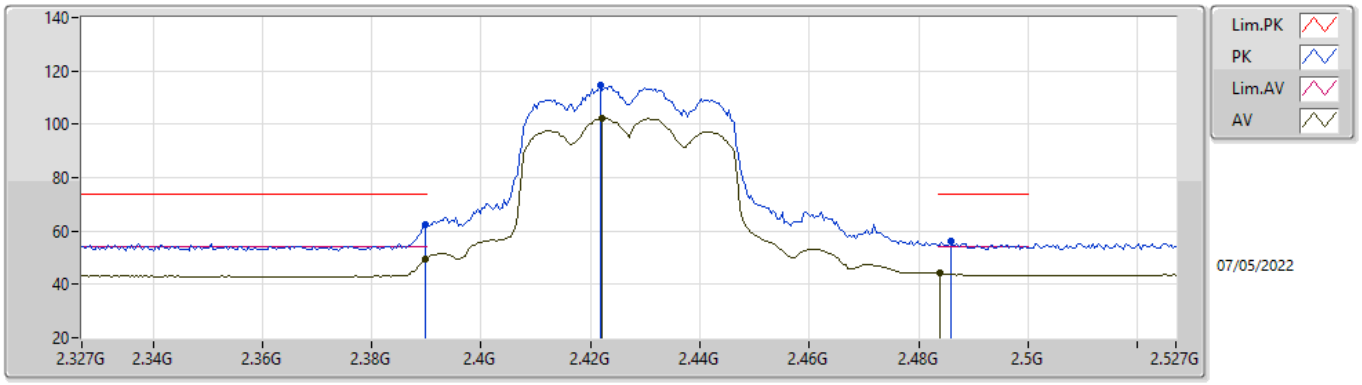


EUT Y_2TX
Setting 21.5
04-C-K-3

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	4.84517G	44.96	74.00	-29.04	40.60	3	Horizontal	151	2.71	-	32.78	4.82	33.24
AV	4.8462G	31.54	54.00	-22.46	27.18	3	Horizontal	151	2.71	-	32.78	4.82	33.24

802.11ax HEW40_Nss1,(MCS0)_2TX

2427MHz_TX

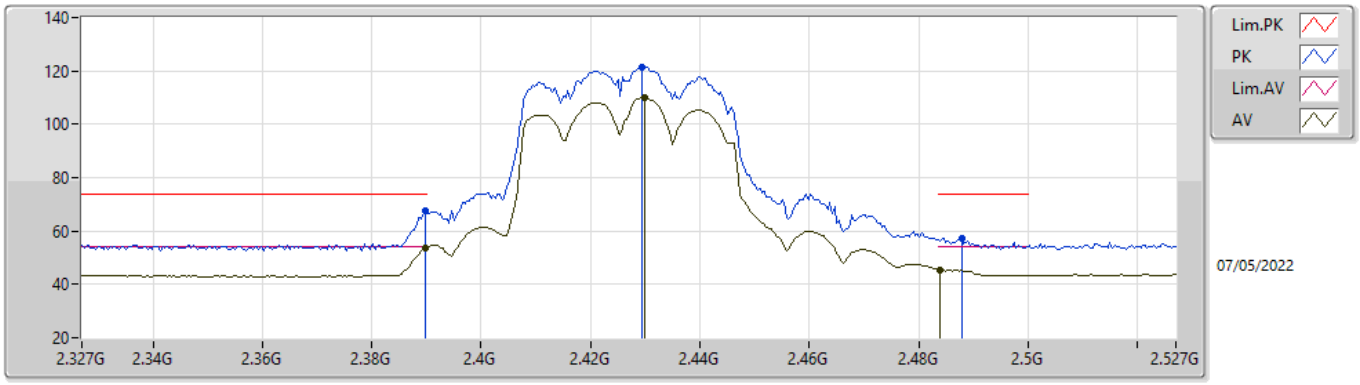


EUT Y_2TX
Setting 22.5
04-C-K-3

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	62.25	74.00	-11.75	31.98	3	Vertical	156	1.14	-	27.48	2.79	-
AV	2.3898G	49.33	54.00	-4.67	19.06	3	Vertical	156	1.14	-	27.48	2.79	-
PK	2.4218G	114.80	Inf	-Inf	84.45	3	Vertical	156	1.14	-	27.54	2.81	-
AV	2.4222G	102.24	Inf	-Inf	71.89	3	Vertical	156	1.14	-	27.54	2.81	-
PK	2.4858G	56.28	74.00	-17.72	25.63	3	Vertical	156	1.14	-	27.81	2.84	-
AV	2.4838G	44.26	54.00	-9.74	13.62	3	Vertical	156	1.14	-	27.80	2.84	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2427MHz_TX

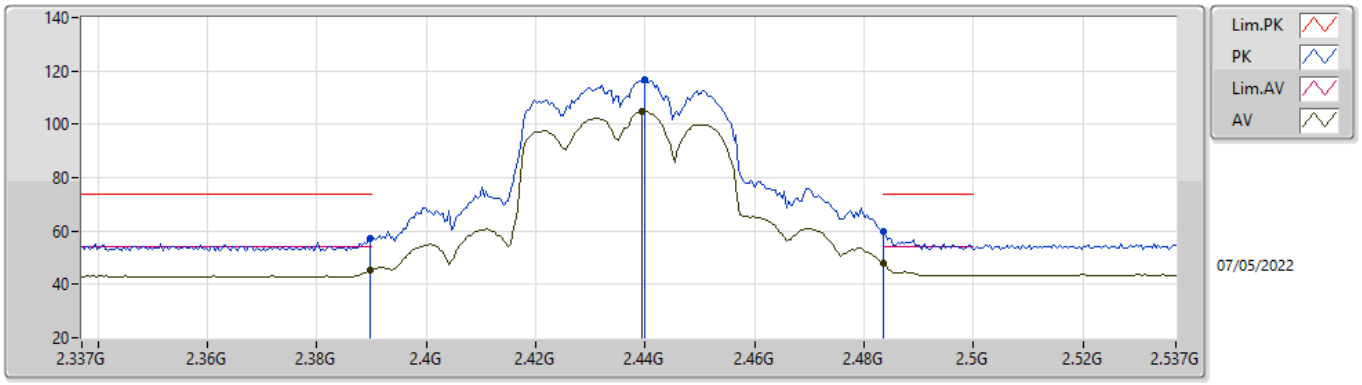


EUT Y_2TX
Setting 22.5
04-C-K-3

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	67.67	74.00	-6.33	37.40	3	Horizontal	254	1.27	-	27.48	2.79	-
AV	2.3898G	53.61	54.00	-0.39	23.34	3	Horizontal	254	1.27	-	27.48	2.79	-
PK	2.4294G	121.59	Inf	-Inf	91.22	3	Horizontal	254	1.27	-	27.56	2.81	-
AV	2.4298G	109.86	Inf	-Inf	79.49	3	Horizontal	254	1.27	-	27.56	2.81	-
PK	2.4878G	57.28	74.00	-16.72	26.61	3	Horizontal	254	1.27	-	27.83	2.84	-
AV	2.4838G	45.46	54.00	-8.54	14.82	3	Horizontal	254	1.27	-	27.80	2.84	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

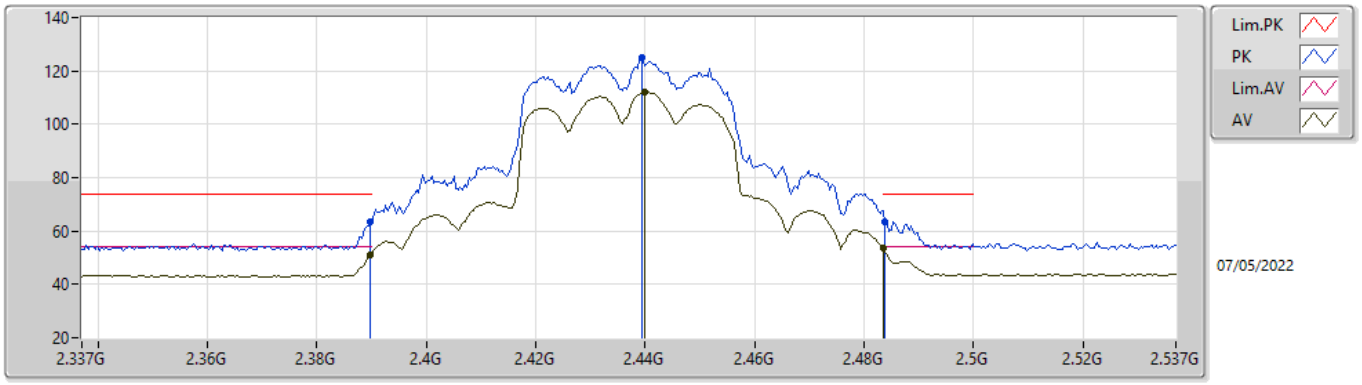


EUT Y_2TX
Setting 24.5
04-C-K-3

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	57.46	74.00	-16.54	27.19	3	Vertical	173	1.06	-	27.48	2.79	-
AV	2.3898G	45.24	54.00	-8.76	14.97	3	Vertical	173	1.06	-	27.48	2.79	-
PK	2.4398G	116.63	Inf	-Inf	86.23	3	Vertical	173	1.06	-	27.58	2.82	-
AV	2.4394G	104.87	Inf	-Inf	74.47	3	Vertical	173	1.06	-	27.58	2.82	-
PK	2.4835G	59.87	74.00	-14.13	29.23	3	Vertical	173	1.06	-	27.80	2.84	-
AV	2.4835G	47.90	54.00	-6.10	17.26	3	Vertical	173	1.06	-	27.80	2.84	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

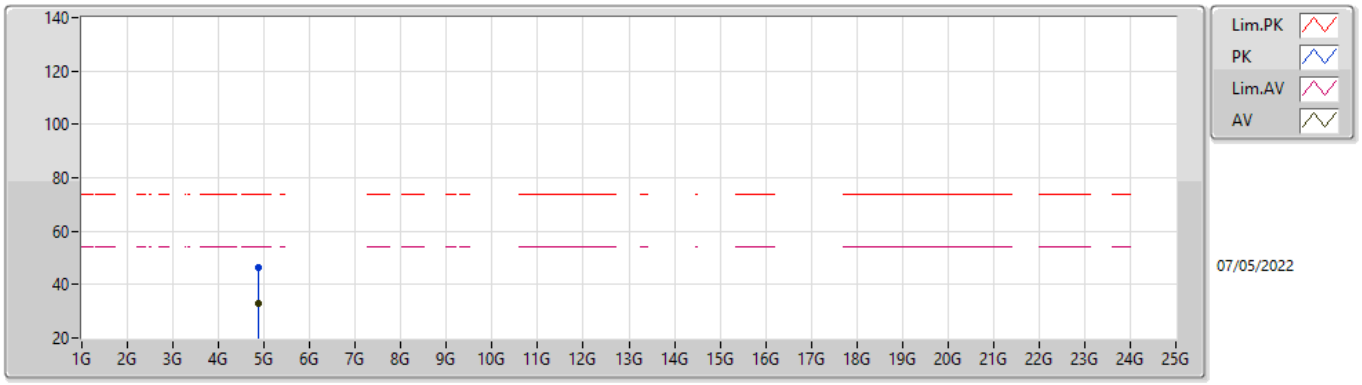


EUT Y_2TX
Setting 24.5
04-C-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	63.58	74.00	-10.42	33.31	3	Horizontal	269	1.07	-	27.48	2.79	-
AV	2.3898G	51.28	54.00	-2.72	21.01	3	Horizontal	269	1.07	-	27.48	2.79	-
PK	2.4394G	124.98	Inf	-Inf	94.58	3	Horizontal	269	1.07	-	27.58	2.82	-
AV	2.4398G	111.96	Inf	-Inf	81.56	3	Horizontal	269	1.07	-	27.58	2.82	-
PK	2.4838G	63.52	74.00	-10.48	32.88	3	Horizontal	269	1.07	-	27.80	2.84	-
AV	2.4835G	53.38	54.00	-0.62	22.74	3	Horizontal	269	1.07	-	27.80	2.84	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

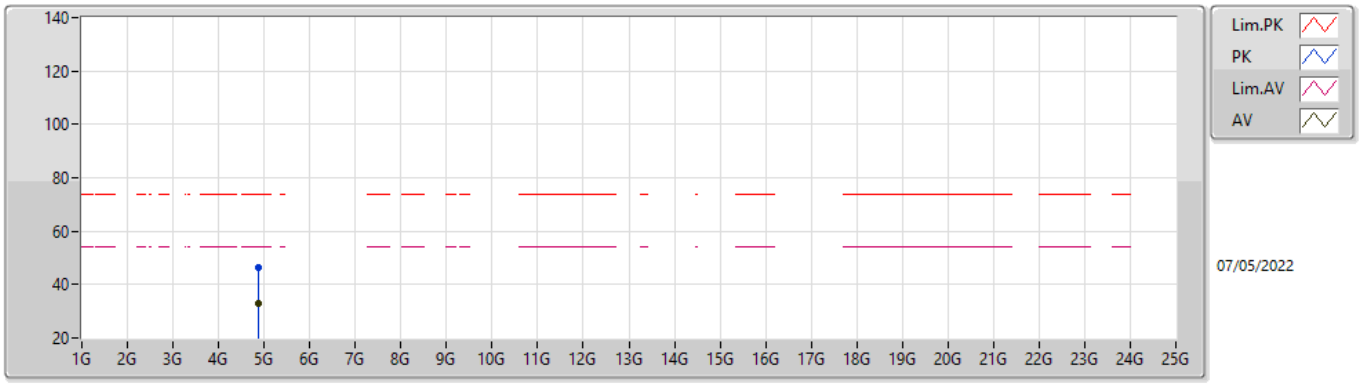


EUT Y_2TX
Setting 24.5
04-C-K-3

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	4.87387G	46.24	74.00	-27.76	41.73	3	Vertical	165	2.75	-	32.90	4.84	33.23
AV	4.87544G	32.82	54.00	-21.18	28.30	3	Vertical	165	2.75	-	32.90	4.84	33.22

802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

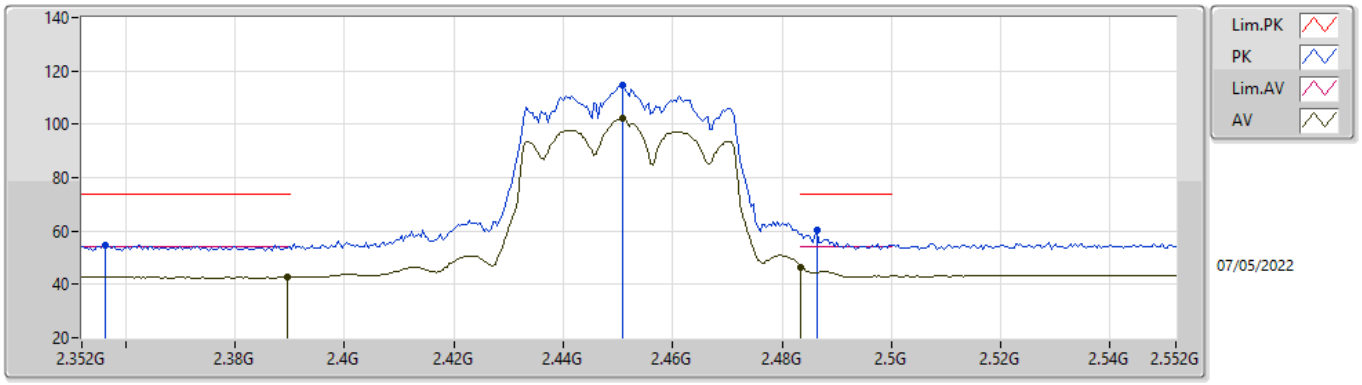


EUT Y_2TX
Setting 24.5
04-C-K-3

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	4.87611G	46.23	74.00	-27.77	41.71	3	Horizontal	15	1.28	-	32.90	4.84	33.22
AV	4.87633G	32.79	54.00	-21.21	28.26	3	Horizontal	15	1.28	-	32.91	4.84	33.22

802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX

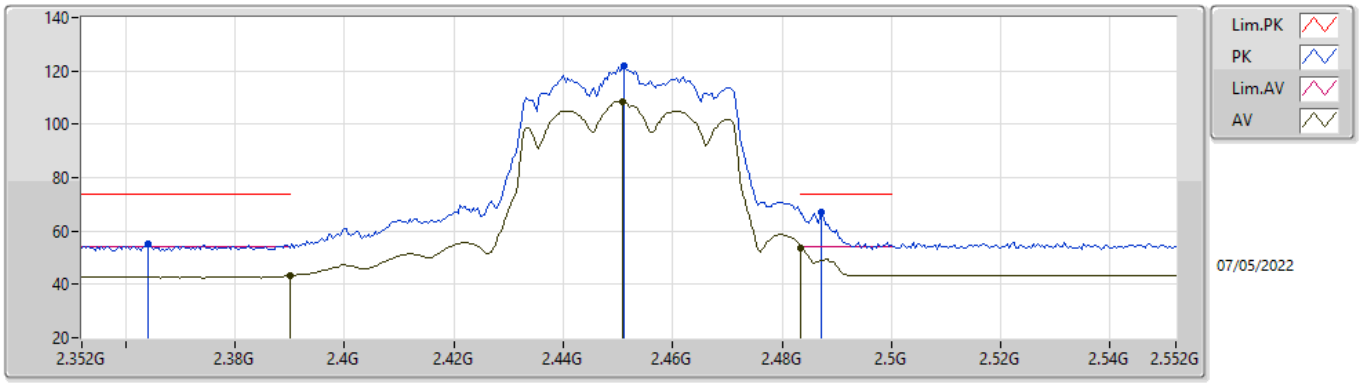


EUT Y_2TX
Setting 22
04-C-K-3

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	2.3564G	54.91	74.00	-19.09	24.72	3	Vertical	171	1.10	-	27.41	2.78	-
AV	2.3896G	42.65	54.00	-11.35	12.38	3	Vertical	171	1.10	-	27.48	2.79	-
PK	2.4508G	114.69	Inf	-Inf	84.26	3	Vertical	171	1.10	-	27.60	2.83	-
AV	2.4508G	102.02	Inf	-Inf	71.59	3	Vertical	171	1.10	-	27.60	2.83	-
PK	2.4864G	60.21	74.00	-13.79	29.55	3	Vertical	171	1.10	-	27.82	2.84	-
AV	2.4835G	46.33	54.00	-7.67	15.69	3	Vertical	171	1.10	-	27.80	2.84	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX

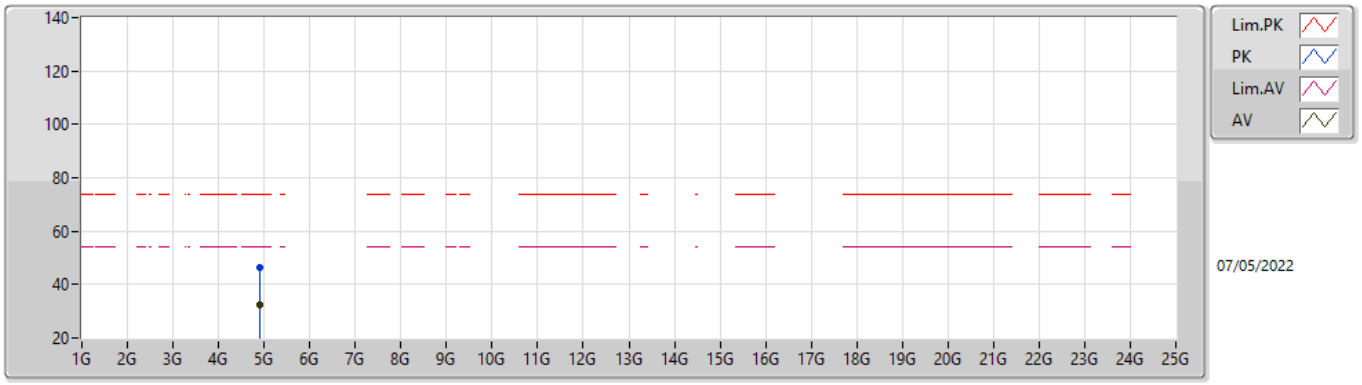


EUT Y_2TX
Setting 22
04-C-K-3

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	2.364G	55.18	74.00	-18.82	24.97	3	Horizontal	269	1.08	-	27.43	2.78	-
AV	2.39G	43.23	54.00	-10.77	12.96	3	Horizontal	269	1.08	-	27.48	2.79	-
PK	2.4512G	121.81	Inf	-Inf	91.37	3	Horizontal	269	1.08	-	27.61	2.83	-
AV	2.4508G	108.68	Inf	-Inf	78.25	3	Horizontal	269	1.08	-	27.60	2.83	-
PK	2.4872G	66.87	74.00	-7.13	36.21	3	Horizontal	269	1.08	-	27.82	2.84	-
AV	2.4835G	53.59	54.00	-0.41	22.95	3	Horizontal	269	1.08	-	27.80	2.84	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX

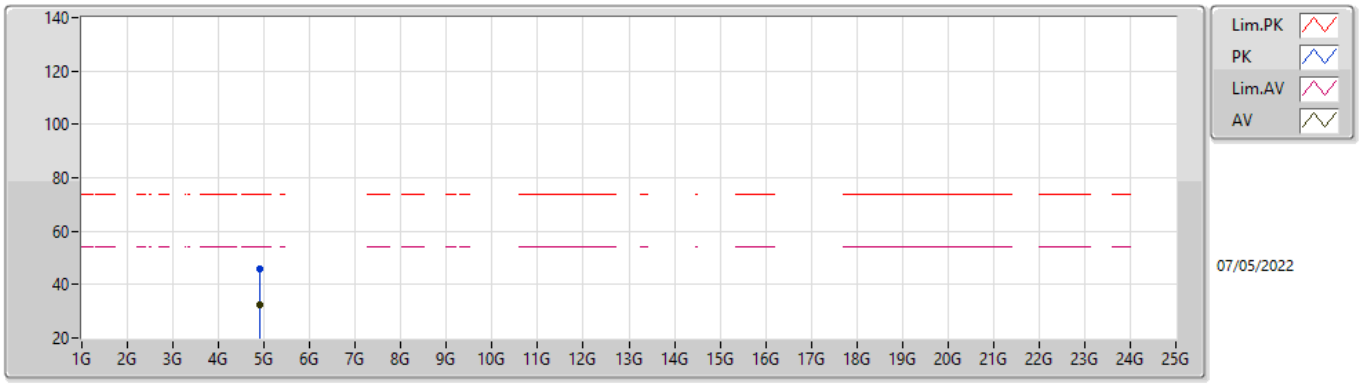


EUT Y_2TX
Setting 22
04-C-K-3

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	4.90411G	46.23	74.00	-27.77	41.58	3	Vertical	146	2.28	-	33.01	4.85	33.21
AV	4.90571G	32.25	54.00	-21.75	27.60	3	Vertical	146	2.28	-	33.01	4.85	33.21

802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX



EUT Y_2TX
Setting 22
04-C-K-3

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	4.90305G	45.71	74.00	-28.29	41.06	3	Horizontal	202	1.07	-	33.01	4.85	33.21
AV	4.90263G	32.23	54.00	-21.77	27.58	3	Horizontal	202	1.07	-	33.01	4.85	33.21