RADIO TEST REPORT

FCC ID	:	Z8H-89FT0067
Equipment	:	XE3-4 Wi-Fi 6e Indoor Access Point
Brand Name	:	Cambium Networks
Model Name	:	XE3-4
Applicant	:	Cambium Networks Inc. 3800 Golf Road, Suite 360 Rolling Meadows, IL 60008, USA
Manufacturer	:	Cambium Networks, Ltd. Ashburton, TQ13 7UP, UK
Standard	:	47 CFR FCC Part 15.247

The product was received on Aug. 13, 2021, and testing was started from Aug. 17, 2021 and completed on Sep. 27, 2021. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Approved by: Sam Chen

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

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History of this test report

Report No.	Version	Description	Issued Date
FR140924-01AA	01	Initial issue of report	Nov. 08, 2021

Summary of Test Result

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

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

1. The test configuration, test mode and test software were written in this test report are declared by the manufacturer.
2. The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Sam Chen
Report Producer: Wendy Pan

1 General Description

1.1 Information

1.1.1 RF General Information

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

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

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

1.1.2 Antenna Information

Ant.	Port				Brand	Model Name	Antenna Type	Connector	Gain (dBi)				Remark
	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz	Blue tooth					WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz	Blue tooth	
1	2	2	-	-	Accton	EAP9219A-6 E-1120-CAM	PIFA	I-PEX	4.85	5.60	-	-	Radio 1
2	1	1	-	-	Accton	EAP9219A-6 E-1120-CAM	PIFA	I-PEX	4.85	5.40	-	-	Radio 1
3	-	4	4	-	Accton	EAP9219A-6 E-1120-CAM	PIFA	I-PEX	-	Note 1	5.84	-	Radio 2
4	-	2	2	-	Accton	EAP9219A-6 E-1120-CAM	PIFA	I-PEX	-		6.29	-	Radio 2
5	-	3	3	-	Accton	EAP9219A-6 E-1120-CAM	PIFA	I-PEX	-		6.06	-	Radio 2
6	-	1	1	-	Accton	EAP9219A-6 E-1120-CAM	PIFA	I-PEX	-		5.99	-	Radio 2
7	-	-	-	1	Accton	EAP9219A-6 E-1120-CAM	Chip	N/A	-	-	-	3.39	Radio 3

Note1:

Ant.	Port	Antenna Gain (dBi)		
	WLAN 5GHz	UNII 1	UNII 3	Remark
3	4	2.3	5.21	Radio 2
4	2	4.12	4.93	Radio 2
5	3	2.91	2.81	Radio 2
6	1	3.88	4.24	Radio 2

Radio 2 / Directional Gain (dBi)	
WLAN 5GHz UNII 1, 4T1S	WLAN 5GHz UNII 3, 4T1S
4.55	5.95

Note2: The above information was declared by manufacturer.
WLAN 2.4GHz, 5GHz (Radio 1), 6GHz: The directional gain is calculated which follows the procedure of KDB 662911 D01.
WLAN 5GHz (Radio 2): The directional gain is measured which follows the procedure of KDB 662911 D03.
The antenna report is provided in the operational description for this application.

For Radio 1:
For 2.4GHz function:
For IEEE 802.11b/g/n/VHT/ax (2TX/2RX):
Port 1 and Port 2 can be used as transmitting/receiving antenna.
Port 1 and Port 2 could transmit/receive simultaneously.
For 5GHz function:
For IEEE 802.11a/n/ac/ax (2TX/2RX):
Port 1 and Port 2 can be used as transmitting/receiving antenna.
Port 1 and Port 2 could transmit/receive simultaneously.
For Radio 2:
For 5GHz function:
For IEEE 802.11a/n/ac/ax (4TX/4RX):
Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.
Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.
For 6GHz function:
For IEEE 802.11ax (4TX/4RX):
Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.
Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.
For Bluetooth Function:
For Bluetooth mode (1TX/1RX)
Only Port 1 can be use as transmit and receive antenna.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.631	2	667.5u	3k
802.11g	0.944	0.25	1.978m	1k
802.11ax HEW20	0.942	0.26	5.448m	300
802.11ax HEW40	0.923	0.35	5.448m	300

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

1.1.4 EUT Operational Condition

EUT Power Type	From PoE			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for n/VHT/ax in 2.4GHz, n/ac/ax in 5GHz and ax in 6GHz.			
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	QSPR V5.0-00197			

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH01-CB	Serway Lee	23.3~24.3 / 54~57	Sep. 01, 2021 ~ Sep. 27, 2021
Radiated<1GHz	10CH01-CB	Wei Li	22~24 / 54~58	Aug. 17, 2021
Radiated>1GHz	03CH04-CB	RJ Huang	24.4-25.5 / 55-58	Aug. 24, 2021 ~ Sep. 02, 2021
Radiated Co-Location	03CH05-CB	RJ Huang	23.9-25.8 / 55-58	Sep. 23, 2021
AC Conduction	CO01-CB	Wei Li	23~25 / 54~57	Aug. 18, 2021

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	2.0 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	1.6 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	2.5 dB	Confidence levels of 95%
Output Power Measurement	1.3 dB	Confidence levels of 95%
Power Density Measurement	2.5 dB	Confidence levels of 95%
Bandwidth Measurement	0.9%	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	26
2437MHz	26
2462MHz	24.5
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	22
2417MHz	26
2437MHz	26
2462MHz	26
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	22
2417MHz	26
2437MHz	26
2457MHz	26
2462MHz	22
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	22
2417MHz	26
2437MHz	26
2457MHz	26
2462MHz	22
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	19.5
2437MHz	21.5
2452MHz	19
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
2422MHz	19.5
2437MHz	21.5
2452MHz	19

Note1: 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.
Note2: Evaluated HEW20/HEW40 mode only, due to similar modulation. The power setting of HT20/HT40/VHT20/VHT40 mode are the same or lower than HEW20/HEW40.

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+PoE

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
	The EUT was performed at X axis, Y axis and Z axis position, and the worst case was found at Z axis. So the measurement will follow this same test configuration.
1	EUT in Z axis+PoE
Operating Mode > 1GHz	CTX
	The EUT was performed at X axis, Y axis and Z axis position, and the worst case was found at Z axis. So the measurement will follow this same test configuration.
1	EUT in Z axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
	The EUT was performed at X axis, Y axis and Z axis position, and the worst case was found at Y axis. So the measurement will follow this same test configuration.
1	EUT in Y axis (Radio 1: WLAN 2.4GHz + WLAN 5GHz)
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	Radio 1: WLAN 2.4GHz + WLAN 5GHz + Radio 2: WLAN 5GHz + WLAN 6GHz + Radio 3: Bluetooth
Refer to Sporton Test Report No.: FA140924-01 for Co-location RF Exposure Evaluation.	

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

Support Unit	Brand	Model
PoE	Cambium	NET-P60-56IN

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link:

During the test, the following programs under Win 7 were executed:

The remote PC executed “ping.exe” to link with the EUT to maintain the connection by LAN.

The remote notebook executed “ping.exe” to link with the EUT to maintain the connection by LAN and WLAN2.4GHz and WLAN 5GHz.

The remote notebook executed “Telnet” to enable the Bluetooth function of EUT.

The remote Smart phone executed "nRF Connect" to link with the EUT to maintain the connection by Bluetooth.

2.4 Accessories

Wall Bracket*1

2.5 Support Equipment

For AC Conduction and Radiated (below 1GHz):

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	PoE 2.5G PC	DELL	T3400	N/A
B	LAN NB	DELL	E6430	N/A
C	R1 NB-1	DELL	E6430	N/A
D	PoE	Cambium	NET-P60-56IN	N/A
E	Smart phone	Samsung	Galaxy J2	N/A
F	Flash disk3.0	Transcend	JetFlash-700	N/A
G	R1 NB-2	DELL	E6430	N/A
H	R2 NB	DELL	E6430	N/A

For Radiated (above 1GHz):

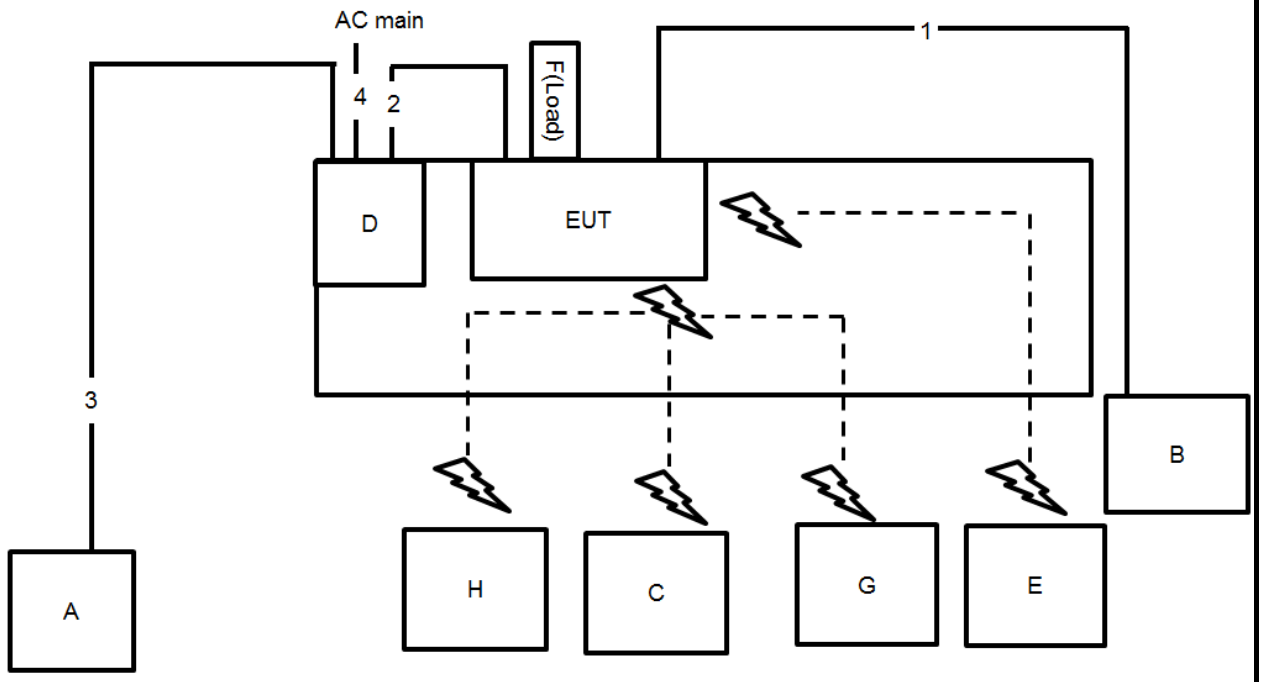
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	PoE	Cambium	NET-P60-56IN	N/A
B	Notebook	DELL	E4300	N/A

For RF Conducted:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
B	PoE	Cambium	NET-P60-56IN	N/A

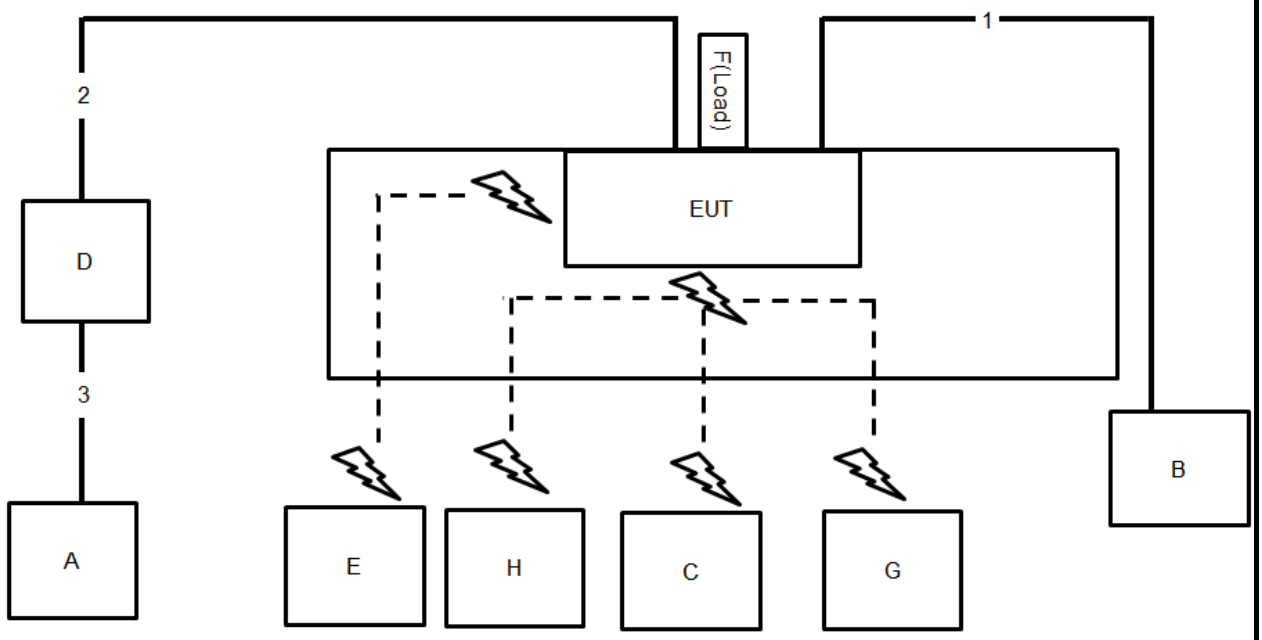
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



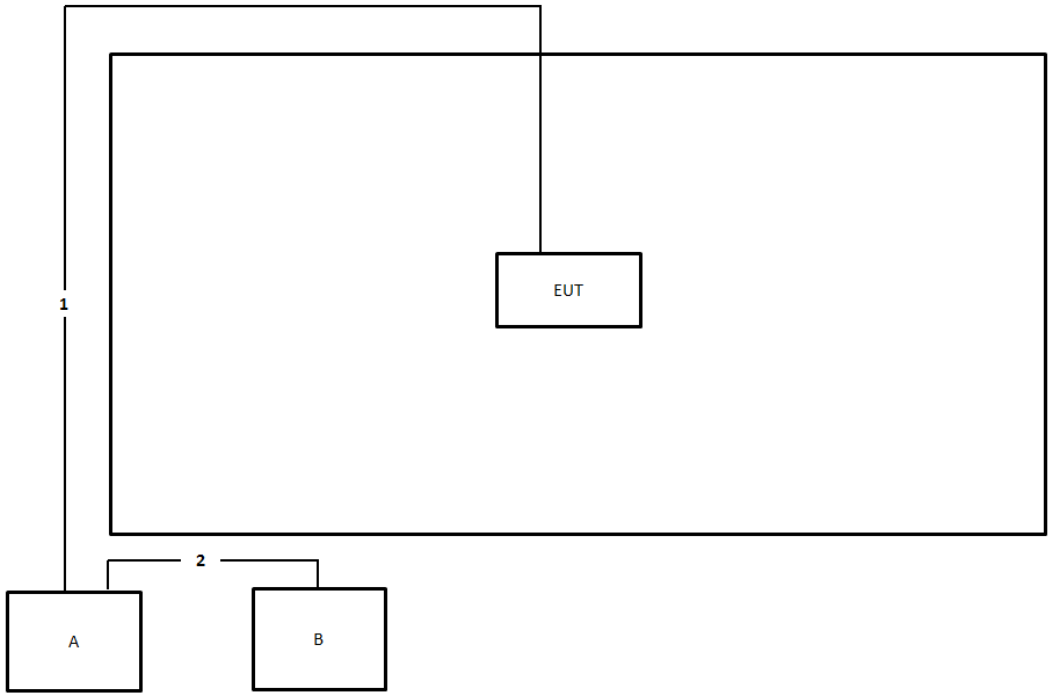
Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	RJ-45 cable	No	1.5m
3	RJ-45 cable	No	10m
4	Power cable	No	0.7m

Test Setup Diagram - Radiated Test < 1GHz



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

Test Setup Diagram - Radiated Test > 1GHz



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

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

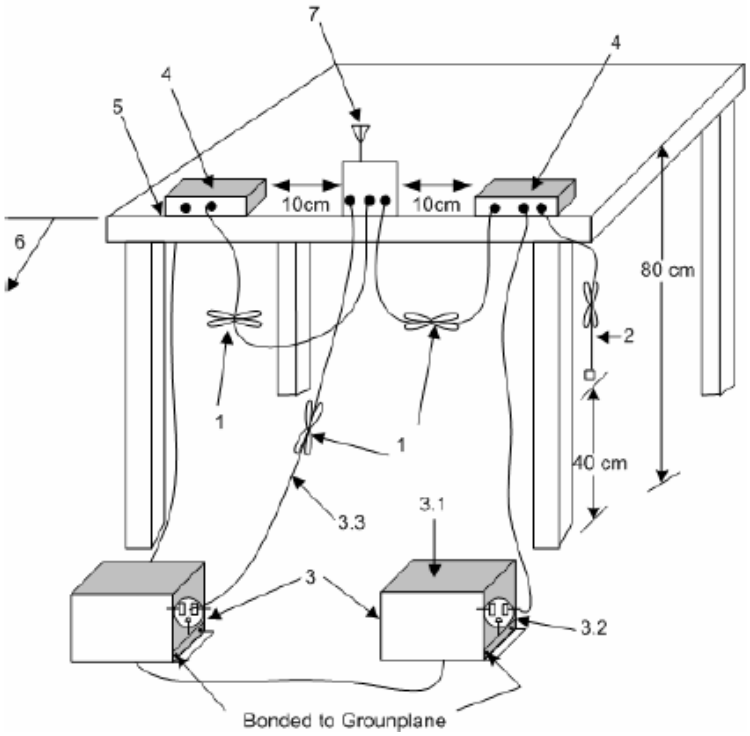
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



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

3.1.5 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.

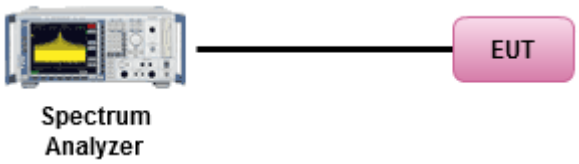
3.2.2 Measuring Instruments

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

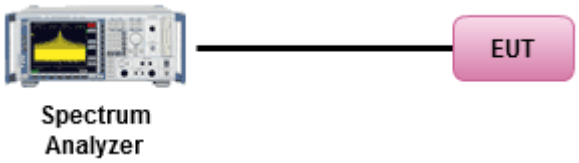
3.4.2 Measuring Instruments

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

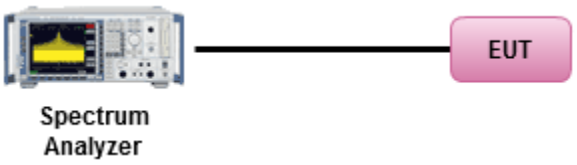
Refer a test equipment and calibration data table in this test report.

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.

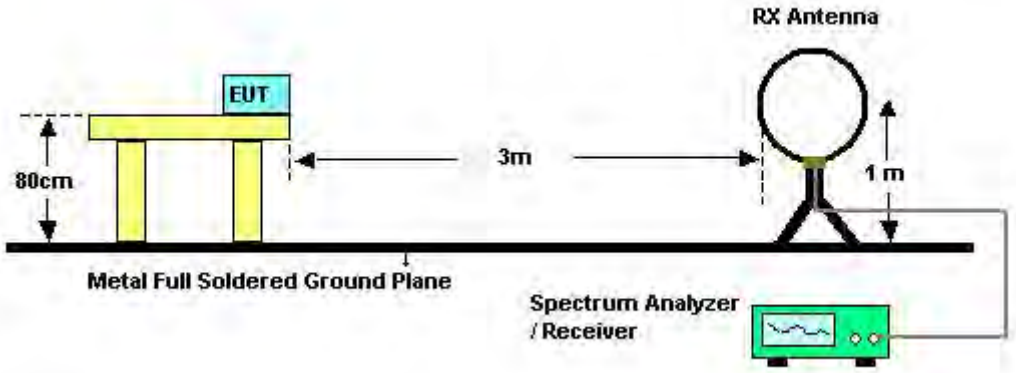
3.6.3 Test Procedures

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.	

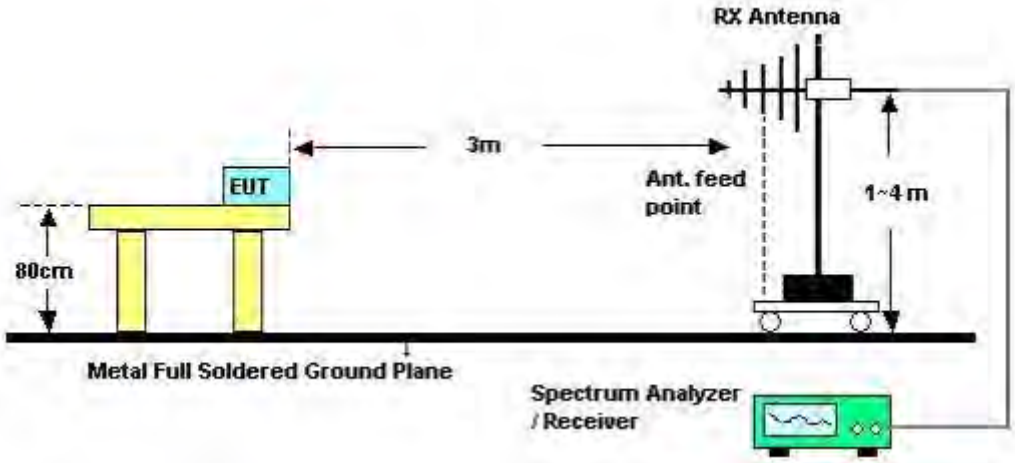
3.6.4 Test Setup

Radiated - Emissions in Restricted Frequency Bands

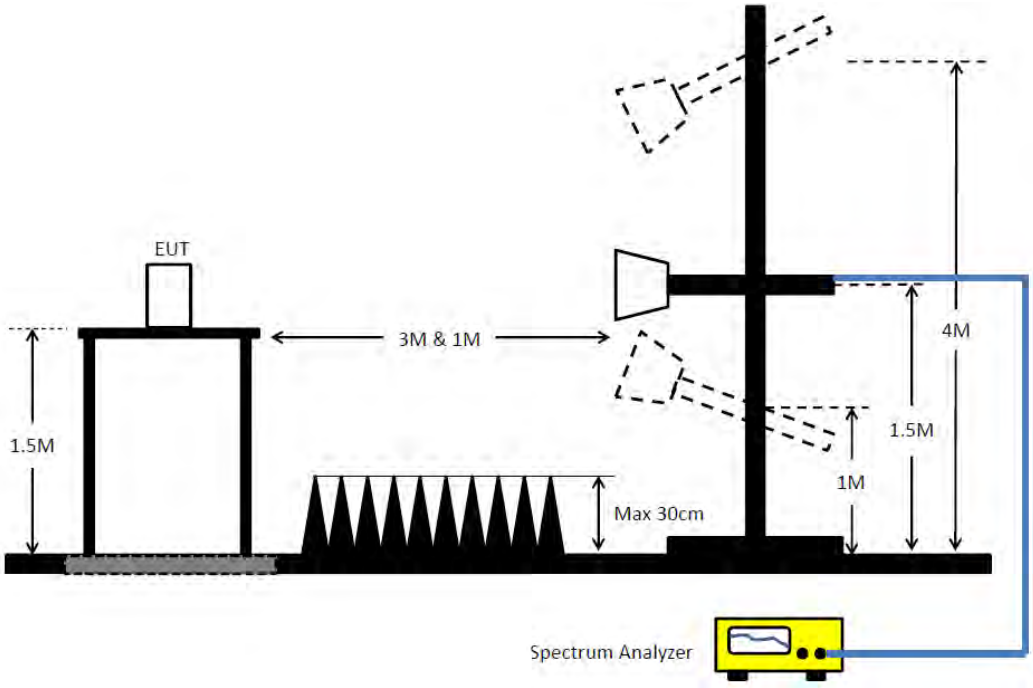
9kHz ~30MHz



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	Mar. 03, 2021	Mar. 02, 2022	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Jan. 06, 2021	Jan. 05, 2022	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Mar. 07, 2021	Mar. 06, 2022	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Jan. 30, 2021	Jan. 29, 2022	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 19, 2021	May 18, 2022	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 14, 2021	Apr. 13, 2022	Radiation (10CH01-CB)
10m Semi Anechoic Chamber NSA	TDK	SAC-10M	10CH01-CB	30MHz~1GHz 10m,3m	Jan. 28, 2021	Jan. 27, 2022	Radiation (10CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10783	9kHz ~ 1.3GHz	Mar. 11, 2021	Mar. 10, 2022	Radiation (10CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10784	9kHz ~ 1.3GHz	Mar. 11, 2021	Mar. 10, 2022	Radiation (10CH01-CB)
Low Cable	Woken	SUCOFLEX 104	low cable-01	25MHz ~ 1GHz	Oct. 20, 2020	Oct. 19, 2021	Radiation (10CH01-CB)
High Cable	Woken	SUCOFLEX 104	low cable-02	25MHz ~ 1GHz	Oct. 20, 2020	Oct. 19, 2021	Radiation (10CH01-CB)
Bilog Antenna with 6dB Attenuator	Chase & EMCI	CBL6111A &N-6-06	1543 &AT-N0609	30MHz ~ 1GHz	Jul. 01, 2021	Jun. 30, 2022	Radiation (10CH01-CB)
EMI Test Receiver	Rohde&Schwarz	ESCI	100186	9kHz ~ 3GHz	Jul. 12, 2021	Jul. 11, 2022	Radiation (10CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	May 03, 2021	May 02, 2022	Radiation (10CH01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (10CH01-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 25, 2021	Feb. 24, 2022	Radiation (03CH04-CB)
Horn Antenna	ETS • Lindgren	3115	00143147	750MHz~18GHz	Oct. 23, 2020	Oct. 22, 2021	Radiation (03CH04-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 18, 2021	Jun. 17, 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	Feb. 19, 2021	Feb. 18, 2022	Radiation (03CH04-CB
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Nov. 05, 2020	Nov. 04, 2021	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Nov. 08, 2020	Nov. 07, 2021	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120 D-1291	1GHz~18GHz	Sep. 29, 2020	Sep. 28, 2021	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 18, 2021	Jun. 17, 2022	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz – 26.5GHz	Jul. 02, 2021	Jul. 01, 2022	Radiation (03CH05-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Nov. 10, 2020	Nov. 09, 2021	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 21, 2021	May 20, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Feb. 23, 2021	Feb. 22, 2022	Conducted (TH01-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Feb. 23, 2021	Feb. 22, 2022	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)

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

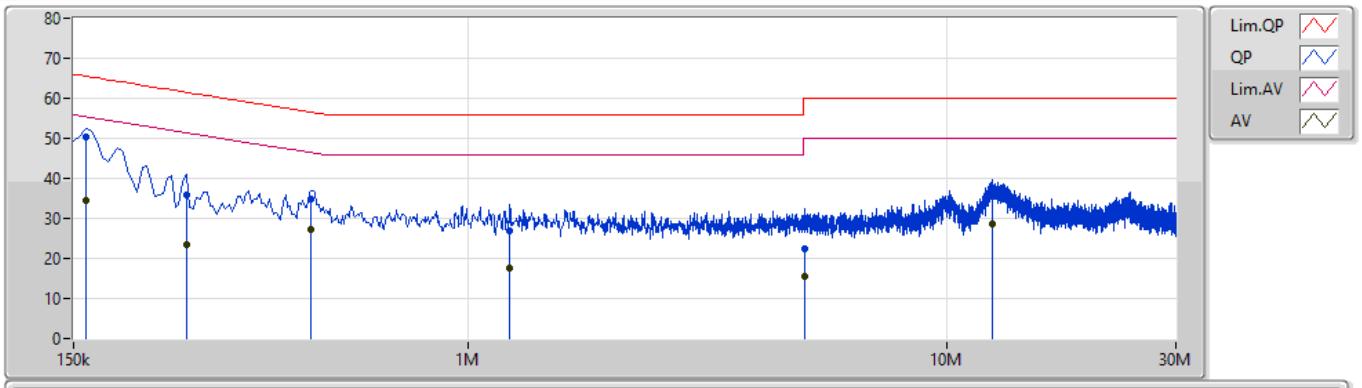
N.C.R. means Non-Calibration required.

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	447k	32.80	46.94	-14.14	Neutral

Mode 1

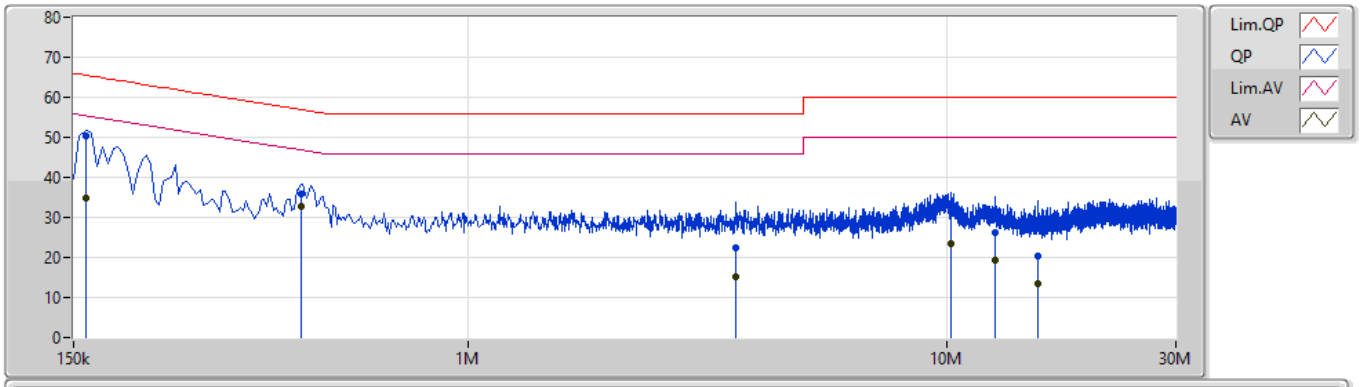
18/08/2021



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	159k	50.49	65.52	-15.03	9.89	Line	"Worst"	40.60	0.04	0.04	9.81
AV	159k	34.36	55.52	-21.16	9.89	Line	-	24.47	0.04	0.04	9.81
QP	258k	35.76	61.49	-25.73	9.89	Line	-	25.87	0.04	0.04	9.81
AV	258k	23.36	51.49	-28.13	9.89	Line	-	13.47	0.04	0.04	9.81
QP	469.5k	34.79	56.52	-21.73	9.90	Line	-	24.89	0.04	0.04	9.82
AV	469.5k	27.15	46.52	-19.37	9.90	Line	-	17.25	0.04	0.04	9.82
QP	1.221M	26.85	56.00	-29.15	9.95	Line	-	16.90	0.07	0.05	9.83
AV	1.221M	17.55	46.00	-28.45	9.95	Line	-	7.60	0.07	0.05	9.83
QP	5.037M	22.46	60.00	-37.54	10.16	Line	-	12.30	0.15	0.13	9.88
AV	5.037M	15.62	50.00	-34.38	10.16	Line	-	5.46	0.15	0.13	9.88
QP	12.426M	35.41	60.00	-24.59	10.33	Line	-	25.08	0.25	0.17	9.91
AV	12.426M	28.56	50.00	-21.44	10.33	Line	-	18.23	0.25	0.17	9.91

Mode 1

18/08/2021



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	159k	50.45	65.52	-15.07	9.88	Neutral	-	40.57	0.03	0.04	9.81
AV	159k	34.83	55.52	-20.69	9.88	Neutral	-	24.95	0.03	0.04	9.81
QP	447k	35.84	56.94	-21.10	9.89	Neutral	-	25.95	0.03	0.04	9.82
AV	447k	32.80	46.94	-14.14	9.89	Neutral	"Worst"	22.91	0.03	0.04	9.82
QP	3.611M	22.38	56.00	-33.62	10.07	Neutral	-	12.31	0.10	0.11	9.86
AV	3.611M	15.28	46.00	-30.72	10.07	Neutral	-	5.21	0.10	0.11	9.86
QP	10.158M	31.49	60.00	-28.51	10.26	Neutral	-	21.23	0.20	0.16	9.90
AV	10.158M	23.49	50.00	-26.51	10.26	Neutral	-	13.23	0.20	0.16	9.90
QP	12.57M	26.21	60.00	-33.79	10.31	Neutral	-	15.90	0.23	0.17	9.91
AV	12.57M	19.24	50.00	-30.76	10.31	Neutral	-	8.93	0.23	0.17	9.91
QP	15.437M	20.28	60.00	-39.72	10.36	Neutral	-	9.92	0.26	0.18	9.92
AV	15.437M	13.33	50.00	-36.67	10.36	Neutral	-	2.97	0.26	0.18	9.92

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	8.5M	14.168M	14M2G1D	7.525M	13.618M
802.11g_Nss1,(6Mbps)_2TX	16.275M	16.542M	16M5D1D	15.4M	16.442M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.4M	18.991M	19M0D1D	16.925M	18.941M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.8M	38.031M	38M0D1D	37.1M	37.881M

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

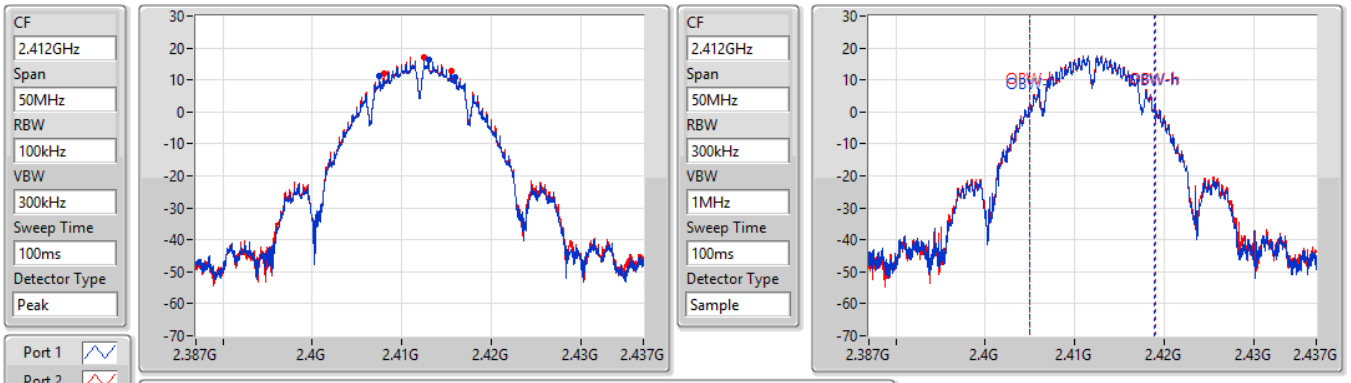
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	8.5M	13.968M	7.525M	14.043M
2437MHz	Pass	500k	8.05M	14.093M	8.025M	14.168M
2462MHz	Pass	500k	7.525M	13.843M	8.05M	13.618M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.025M	16.492M	16M	16.442M
2437MHz	Pass	500k	15.775M	16.517M	15.4M	16.517M
2462MHz	Pass	500k	15.65M	16.492M	16.275M	16.542M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.625M	18.941M	18.4M	18.991M
2437MHz	Pass	500k	16.925M	18.941M	18.2M	18.941M
2462MHz	Pass	500k	17.85M	18.966M	18.3M	18.966M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.8M	37.881M	37.55M	37.981M
2437MHz	Pass	500k	37.1M	37.931M	37.45M	38.031M
2452MHz	Pass	500k	37.3M	37.881M	37.5M	37.931M

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

802.11b_Nss1,(1Mbps)_2TX EBW

2412MHz

03/09/2021

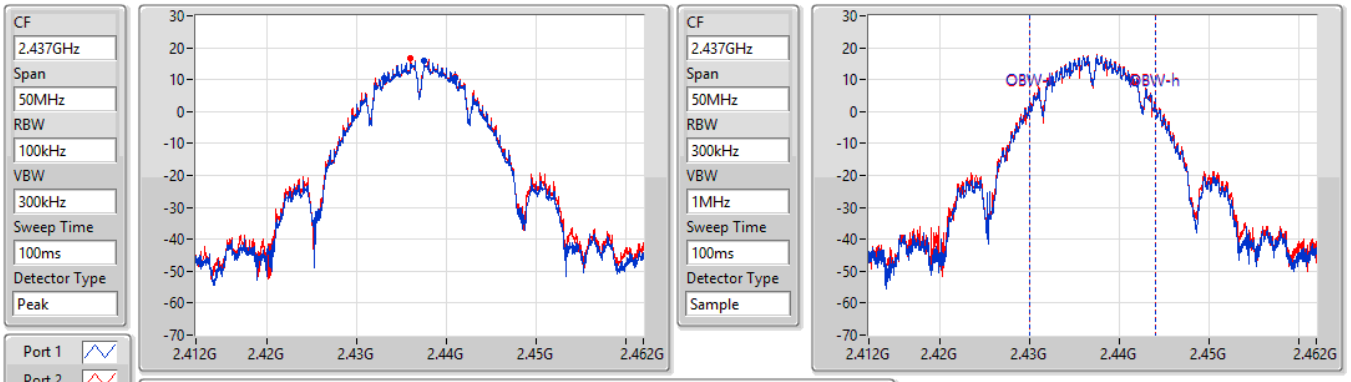


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.5M	2.4075G	2.416G	13.968M	2.404979G	2.418947G	500k	1
7.525M	2.408G	2.415525G	14.043M	2.404954G	2.418997G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2437MHz

03/09/2021

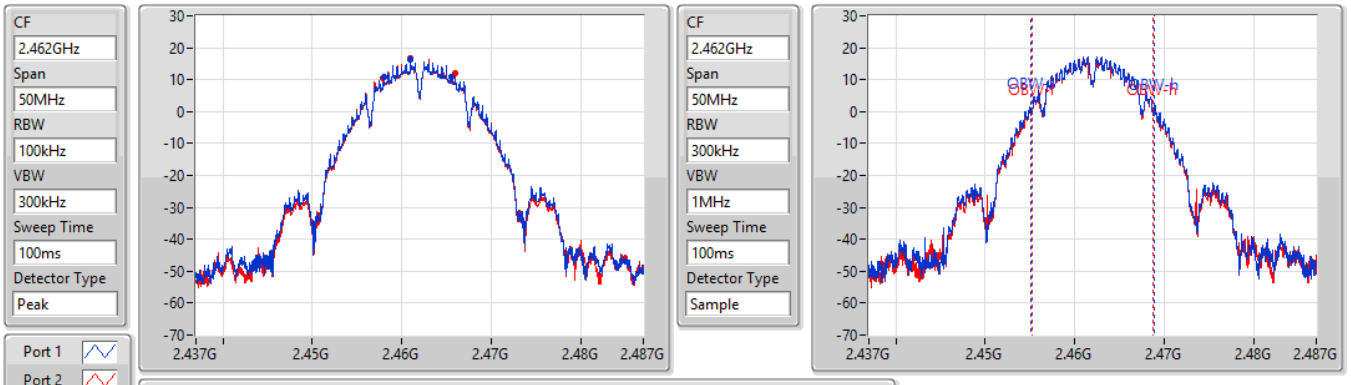


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.05M	2.432975G	2.441025G	14.093M	2.429929G	2.444021G	500k	1
8.025M	2.432975G	2.441G	14.168M	2.429904G	2.444071G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2462MHz

03/09/2021

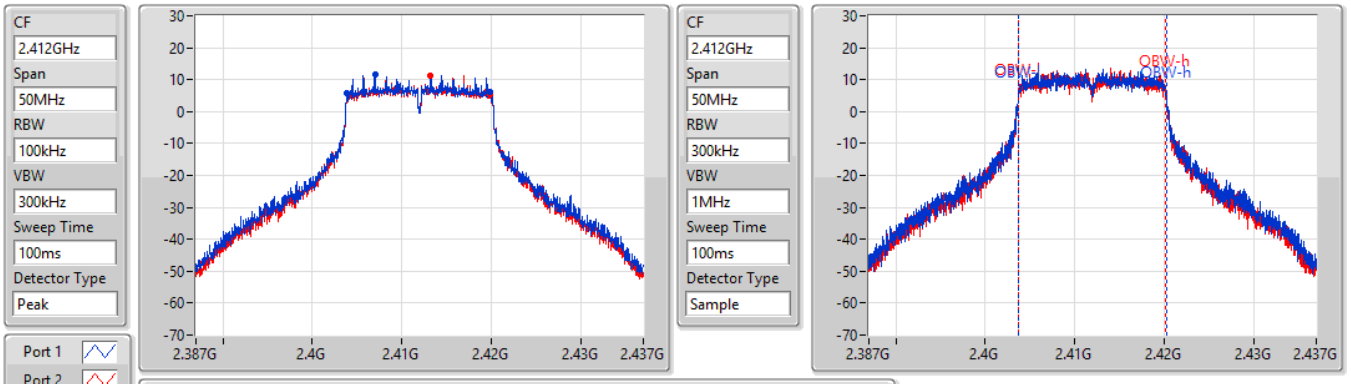


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.525M	2.458025G	2.46555G	13.843M	2.455053G	2.468897G	500k	1
8.05M	2.45795G	2.466G	13.618M	2.455178G	2.468797G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2412MHz

04/09/2021

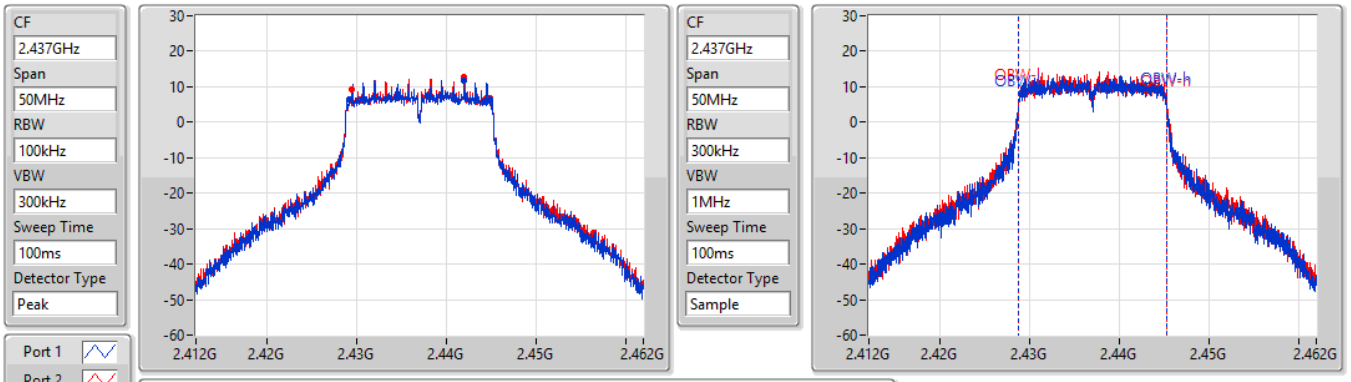


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.025M	2.40385G	2.419875G	16.492M	2.403754G	2.420246G	500k	1
16M	2.403875G	2.419875G	16.442M	2.403754G	2.420196G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2437MHz

04/09/2021

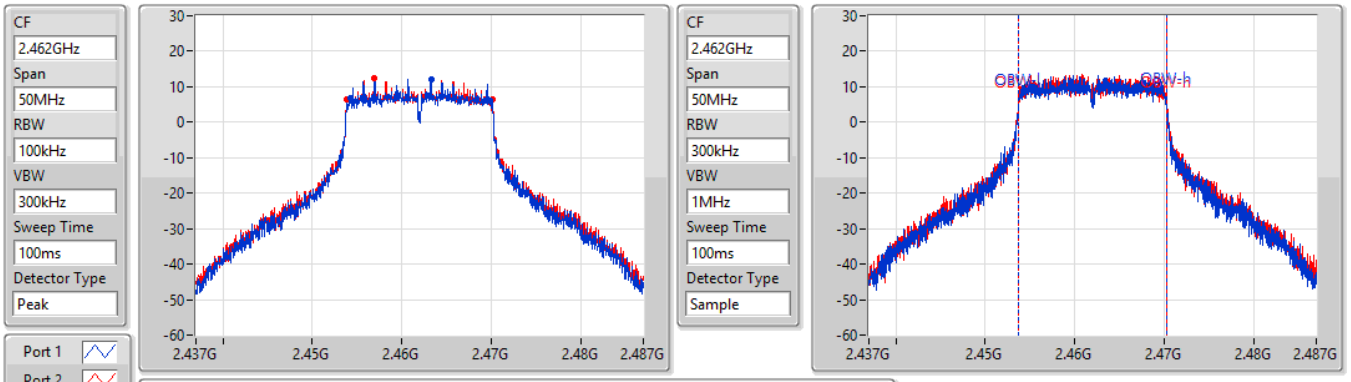


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.775M	2.4291G	2.444875G	16.517M	2.428729G	2.445246G	500k	1
15.4M	2.42945G	2.44485G	16.517M	2.428729G	2.445246G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2462MHz

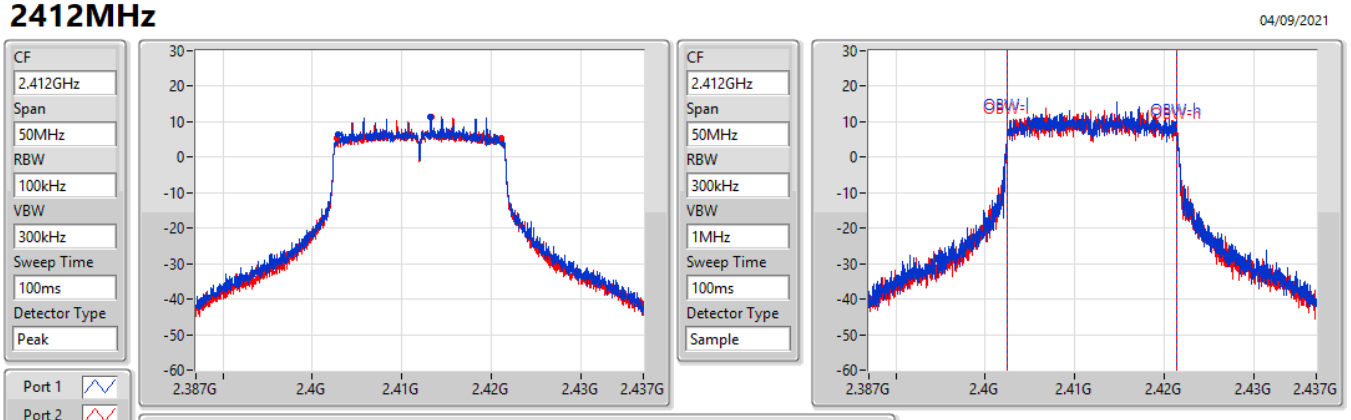
04/09/2021



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.65M	2.454225G	2.469875G	16.492M	2.453729G	2.470221G	500k	1
16.275M	2.45385G	2.470125G	16.542M	2.453729G	2.470271G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

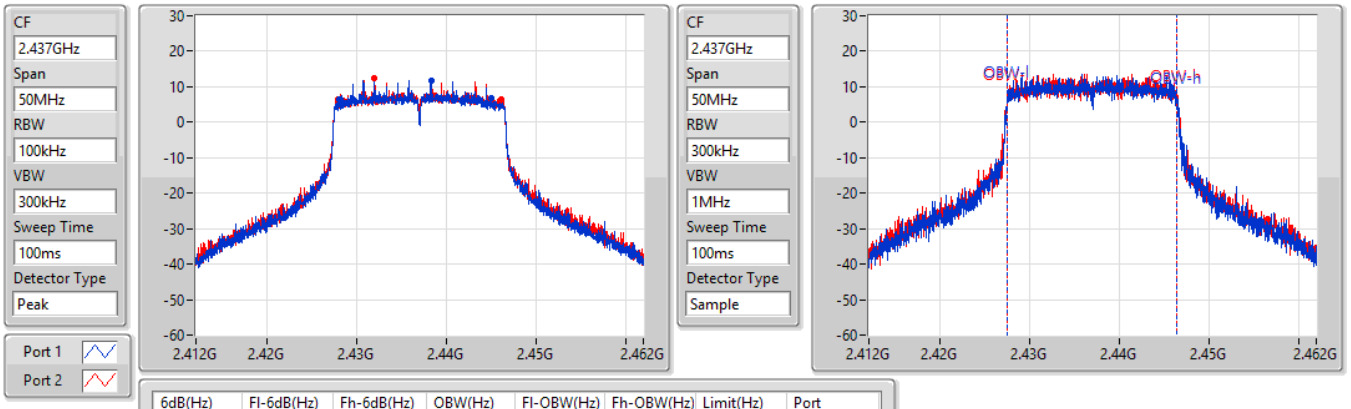
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.625M	2.402875G	2.4205G	18.941M	2.402505G	2.421445G	500k	1
18.4M	2.402675G	2.421075G	18.991M	2.40248G	2.42147G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

2437MHz

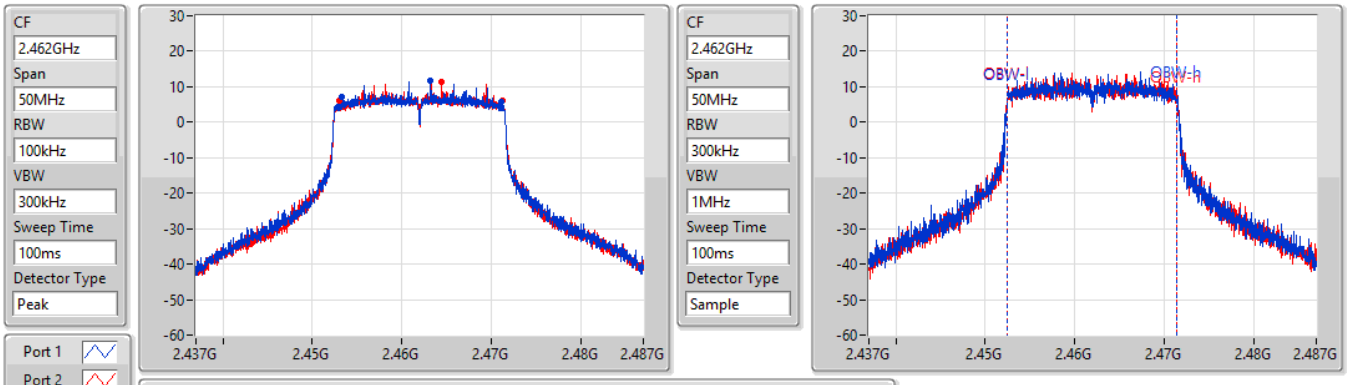


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.925M	2.428025G	2.44495G	18.941M	2.427505G	2.446445G	500k	1
18.2M	2.427925G	2.446125G	18.941M	2.427505G	2.446445G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

2462MHz

04/09/2021

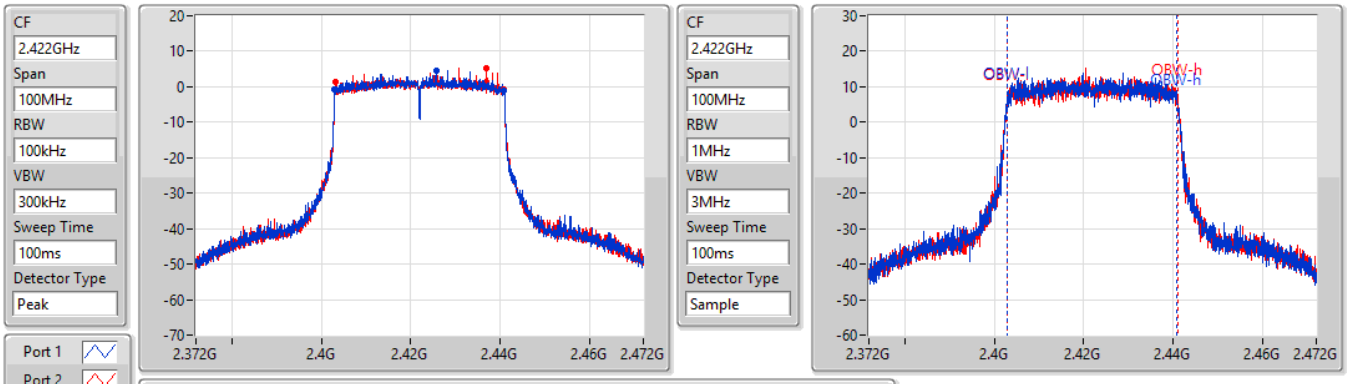


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.85M	2.45325G	2.4711G	18.966M	2.452505G	2.47147G	500k	1
18.3M	2.45295G	2.47125G	18.966M	2.452505G	2.47147G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

2422MHz

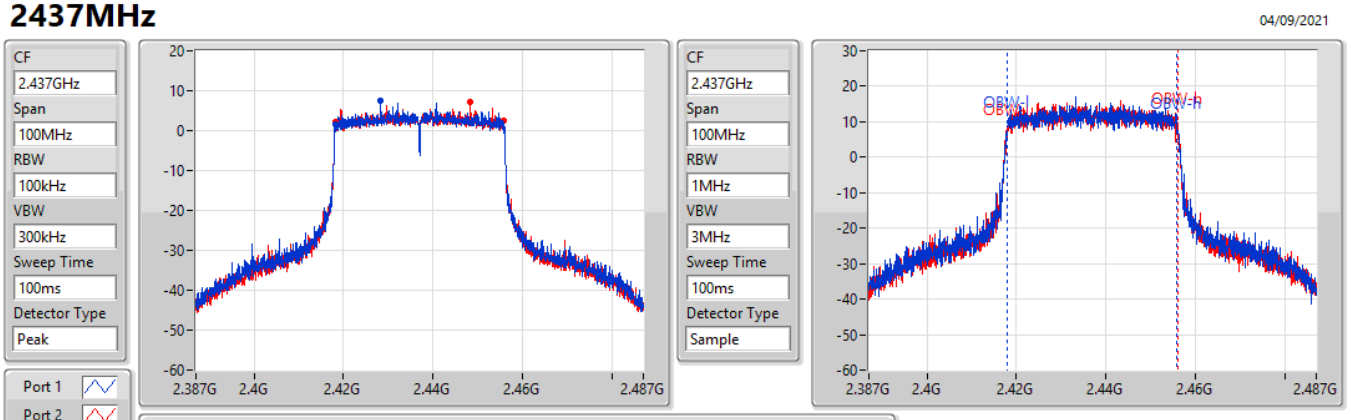
04/09/2021



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.8M	2.403G	2.4408G	37.881M	2.403009G	2.440891G	500k	1
37.55M	2.4032G	2.44075G	37.981M	2.403009G	2.440991G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

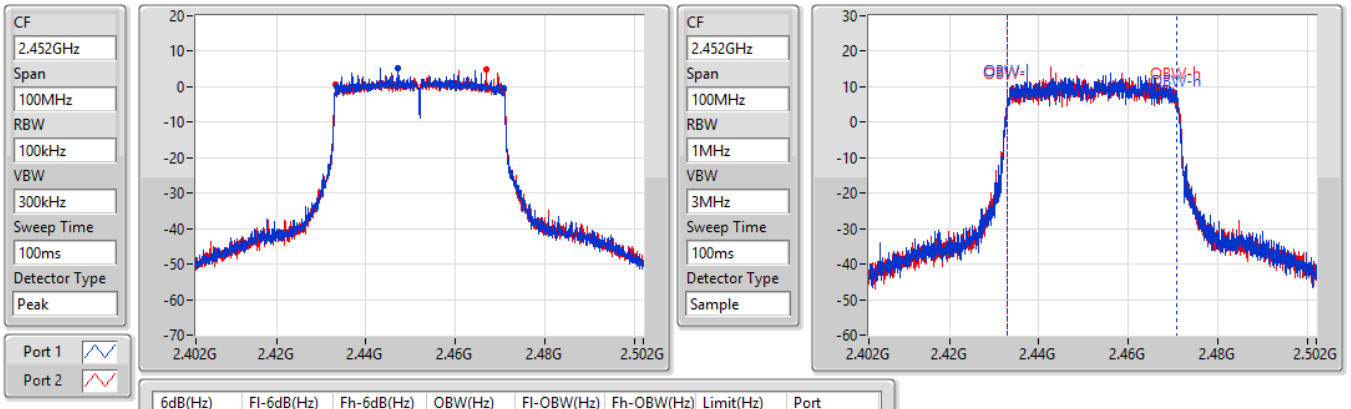
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.1M	2.41825G	2.45535G	37.931M	2.418009G	2.455941G	500k	1
37.45M	2.41825G	2.4557G	38.031M	2.418009G	2.45604G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

2452MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.3M	2.4334G	2.4707G	37.881M	2.433009G	2.470891G	500k	1
37.5M	2.4332G	2.4707G	37.931M	2.433009G	2.470941G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	29.02	0.79799
802.11g_Nss1,(6Mbps)_2TX	26.30	0.42658
802.11ax HEW20_Nss1,(MCS0)_2TX	26.04	0.40179
802.11ax HEW40_Nss1,(MCS0)_2TX	25.11	0.32434

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.85	25.75	26.01	28.89	30.00
2437MHz	Pass	4.85	25.83	26.19	29.02	30.00
2462MHz	Pass	4.85	25.64	25.56	28.61	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.85	22.65	22.41	25.54	30.00
2417MHz	Pass	4.85	22.92	23.07	26.01	30.00
2437MHz	Pass	4.85	23.16	23.42	26.30	30.00
2462MHz	Pass	4.85	23.07	23.44	26.27	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.85	22.27	21.95	25.12	30.00
2417MHz	Pass	4.85	22.73	22.91	25.83	30.00
2437MHz	Pass	4.85	22.89	23.17	26.04	30.00
2457MHz	Pass	4.85	22.84	23.16	26.01	30.00
2462MHz	Pass	4.85	22.48	22.51	25.51	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.85	20.06	19.93	23.01	30.00
2437MHz	Pass	4.85	22.14	22.05	25.11	30.00
2452MHz	Pass	4.85	19.85	19.78	22.83	30.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	26.04	0.40179
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	25.11	0.32434

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.86	22.27	21.95	25.12	28.14
2417MHz	Pass	7.86	22.73	22.91	25.83	28.14
2437MHz	Pass	7.86	22.89	23.17	26.04	28.14
2457MHz	Pass	7.86	22.84	23.16	26.01	28.14
2462MHz	Pass	7.86	22.48	22.51	25.51	28.14
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.86	20.06	19.93	23.01	28.14
2437MHz	Pass	7.86	22.14	22.05	25.11	28.14
2452MHz	Pass	7.86	19.85	19.78	22.83	28.14

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	5.28
802.11g_Nss1,(6Mbps)_2TX	-2.95
802.11ax HEW20_Nss1,(MCS0)_2TX	-2.63
802.11ax HEW40_Nss1,(MCS0)_2TX	-5.72

RBW = 3kHz;

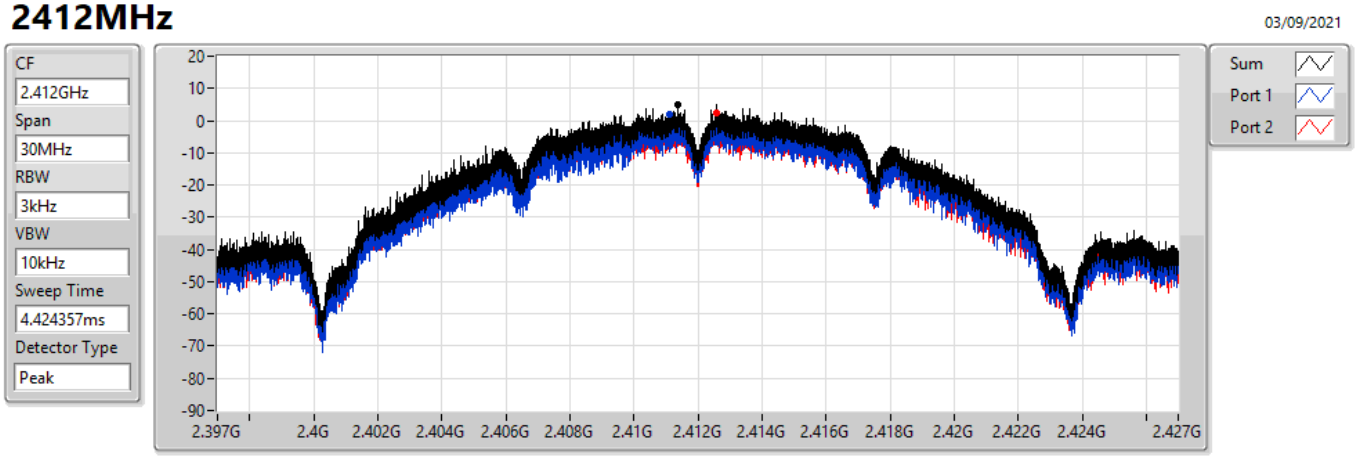
Result

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	7.86	1.96	2.46	5.03	6.14
2437MHz	Pass	7.86	1.63	3.00	5.28	6.14
2462MHz	Pass	7.86	2.22	1.50	4.87	6.14
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.86	-5.55	-5.60	-3.28	6.14
2437MHz	Pass	7.86	-4.33	-4.71	-2.95	6.14
2462MHz	Pass	7.86	-5.40	-5.34	-3.15	6.14
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.86	-4.78	-5.48	-3.63	6.14
2437MHz	Pass	7.86	-4.97	-3.98	-2.63	6.14
2462MHz	Pass	7.86	-3.88	-5.59	-3.48	6.14
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.86	-9.26	-9.38	-7.46	6.14
2437MHz	Pass	7.86	-7.33	-8.02	-5.72	6.14
2452MHz	Pass	7.86	-9.64	-10.95	-7.92	6.14

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

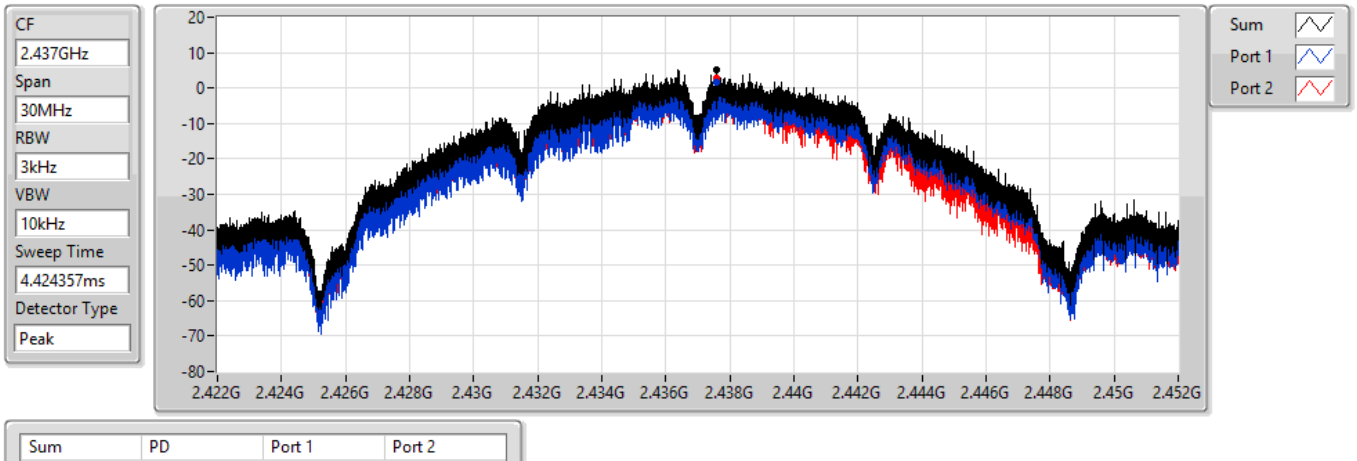
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.03	5.03	1.96	2.46

802.11b_Nss1,(1Mbps)_2TX PSD

2437MHz

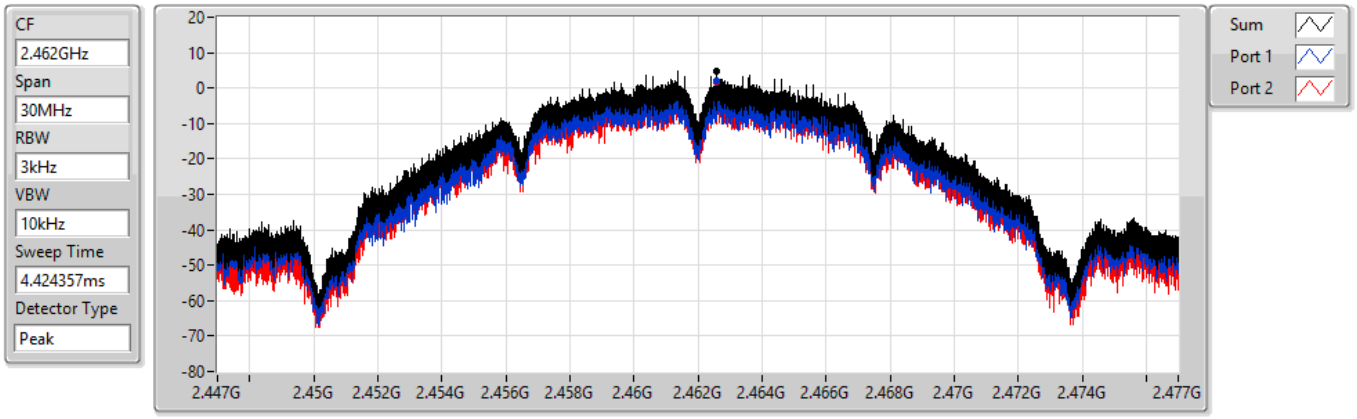


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.28	5.28	1.63	3.00

802.11b_Nss1,(1Mbps)_2TX PSD

2462MHz

04/09/2021

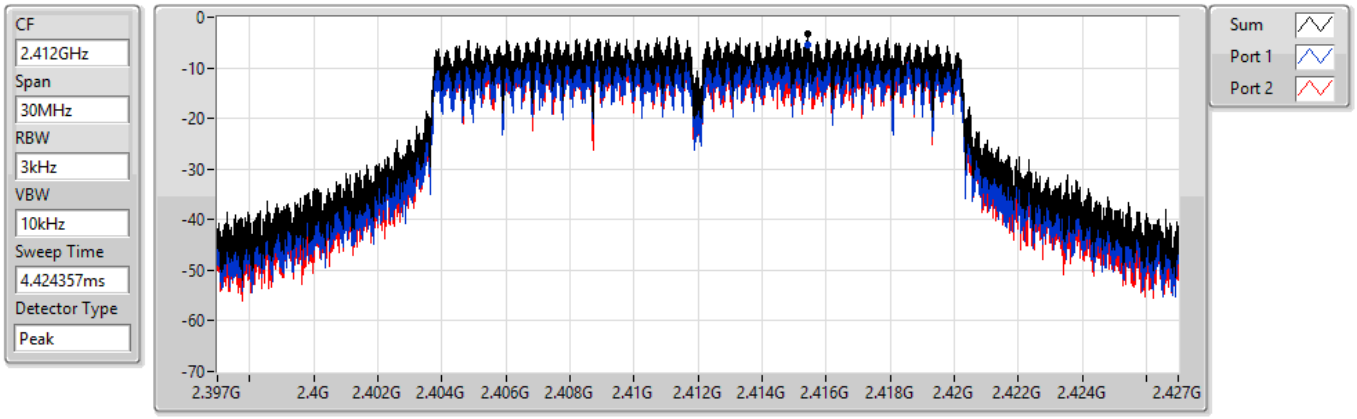


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.87	4.87	2.22	1.50

802.11g_Nss1,(6Mbps)_2TX PSD

2412MHz

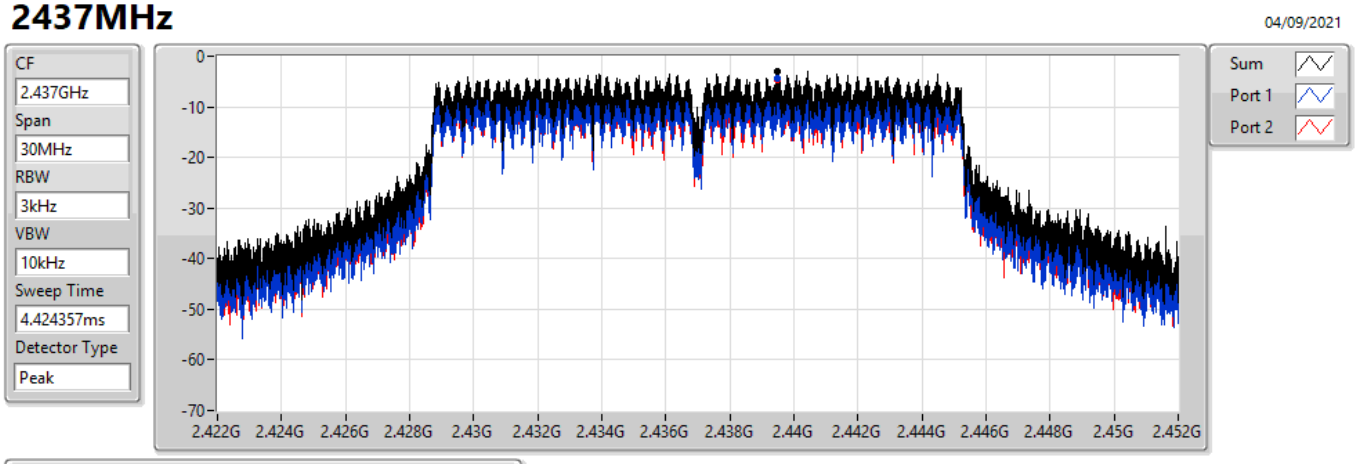
04/09/2021



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.28	-3.28	-5.55	-5.60

802.11g_Nss1,(6Mbps)_2TX PSD

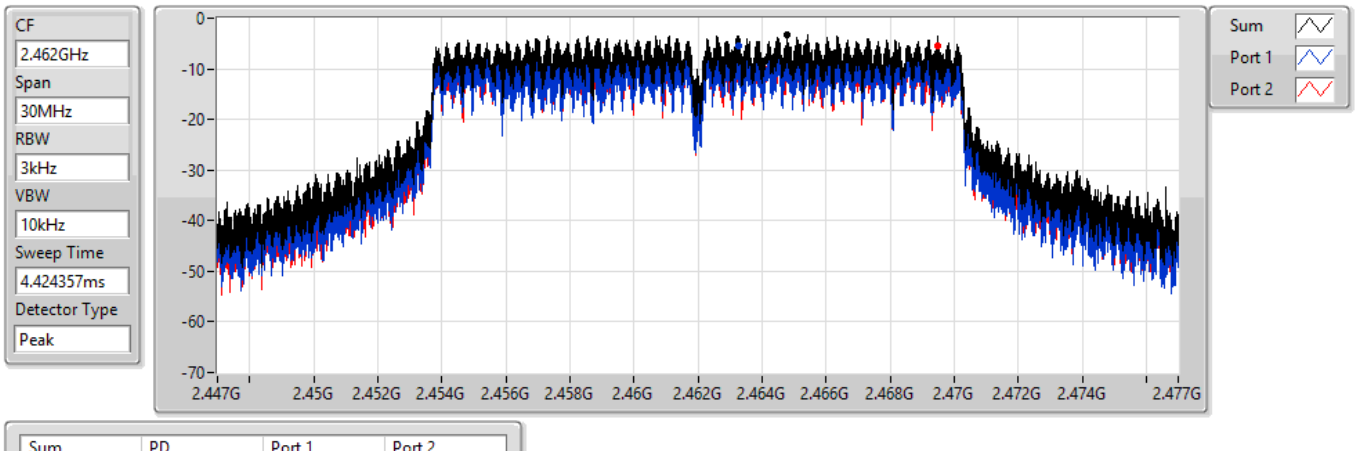
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.95	-2.95	-4.33	-4.71

802.11g_Nss1,(6Mbps)_2TX PSD

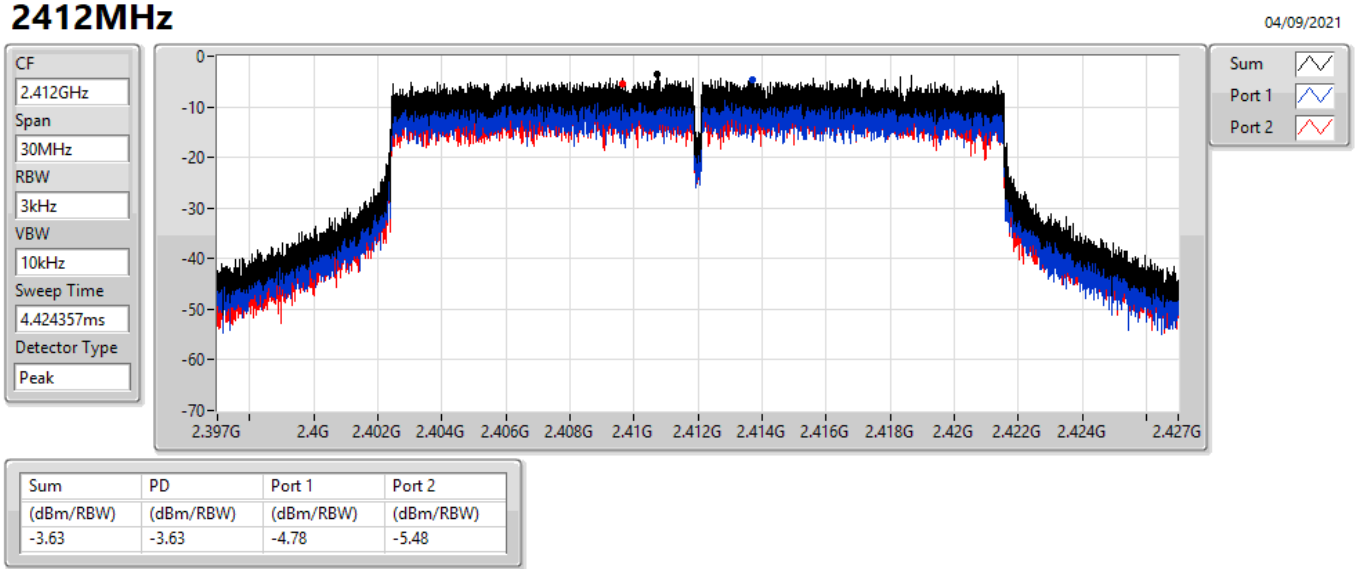
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.15	-3.15	-5.40	-5.34

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

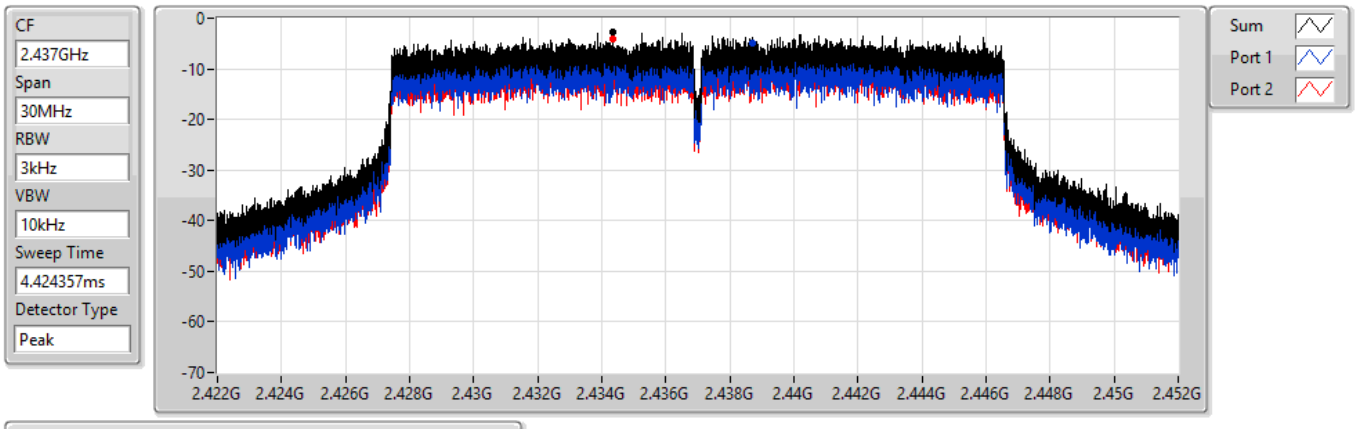
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.63	-3.63	-4.78	-5.48

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

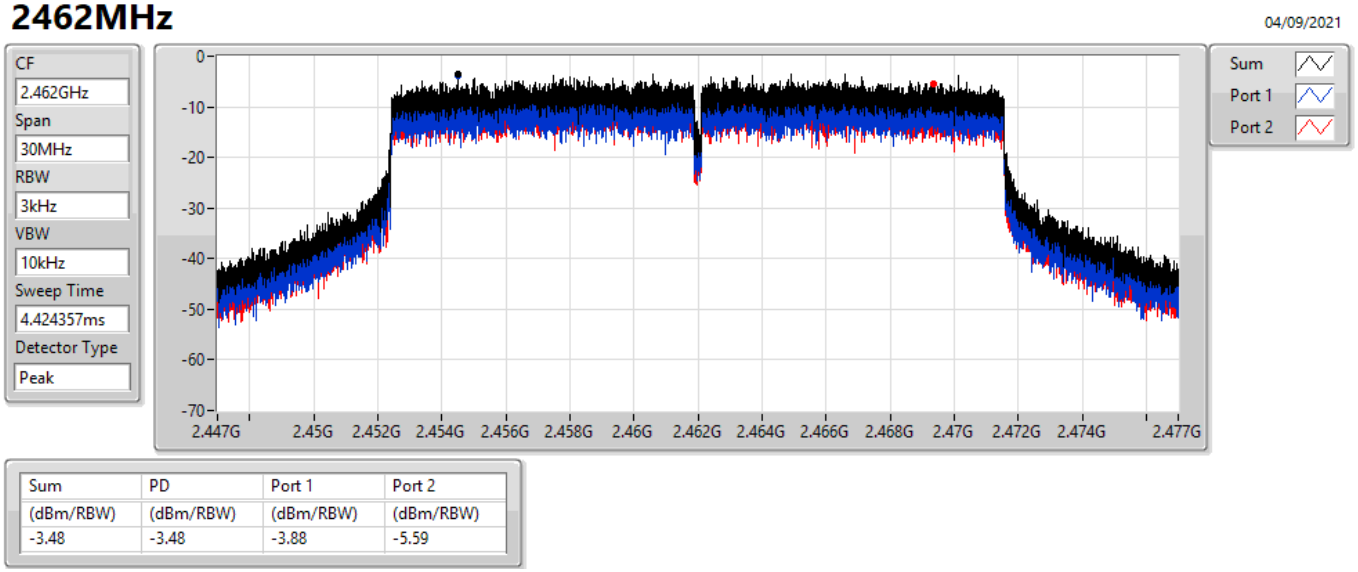
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.63	-2.63	-4.97	-3.98

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

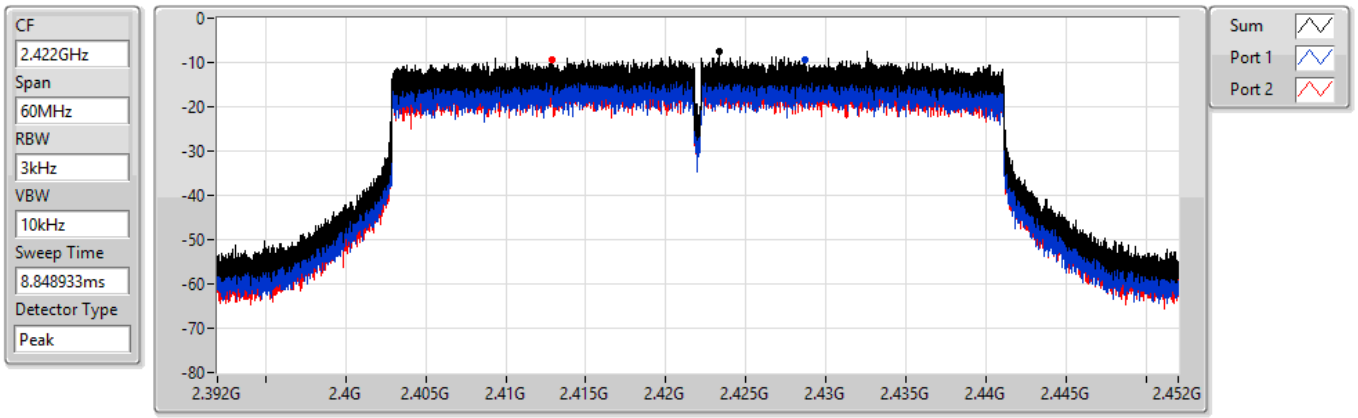
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.48	-3.48	-3.88	-5.59

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

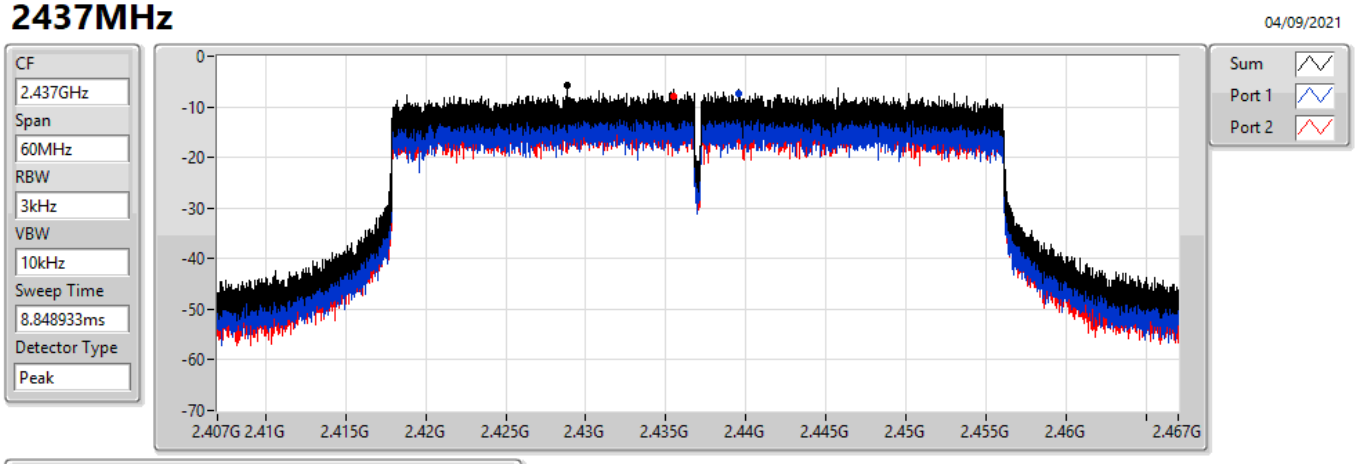
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.46	-7.46	-9.26	-9.38

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

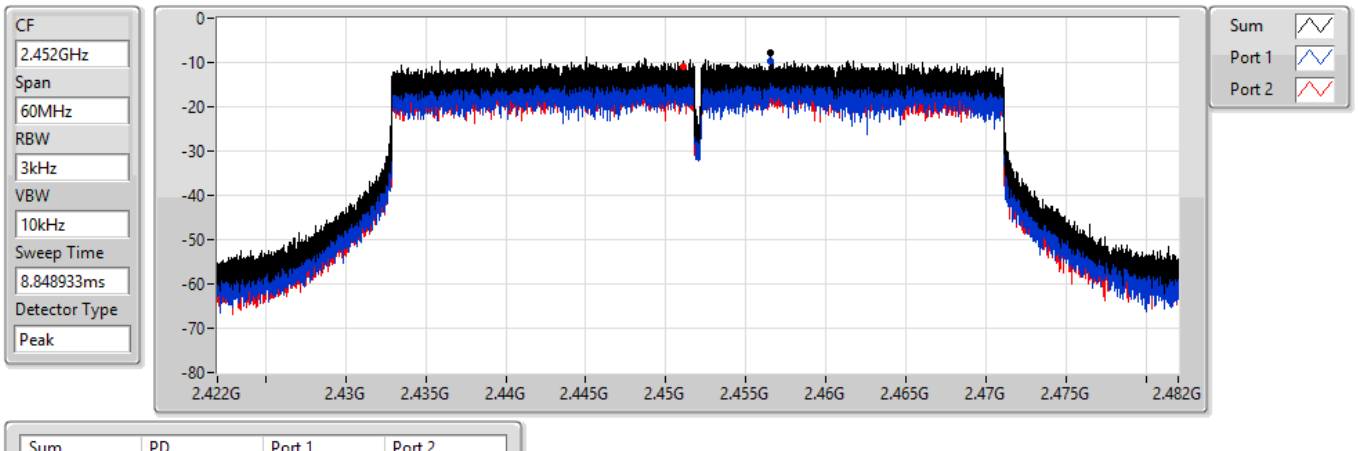
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.72	-5.72	-7.33	-8.02

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.92	-7.92	-9.64	-10.95

Summary

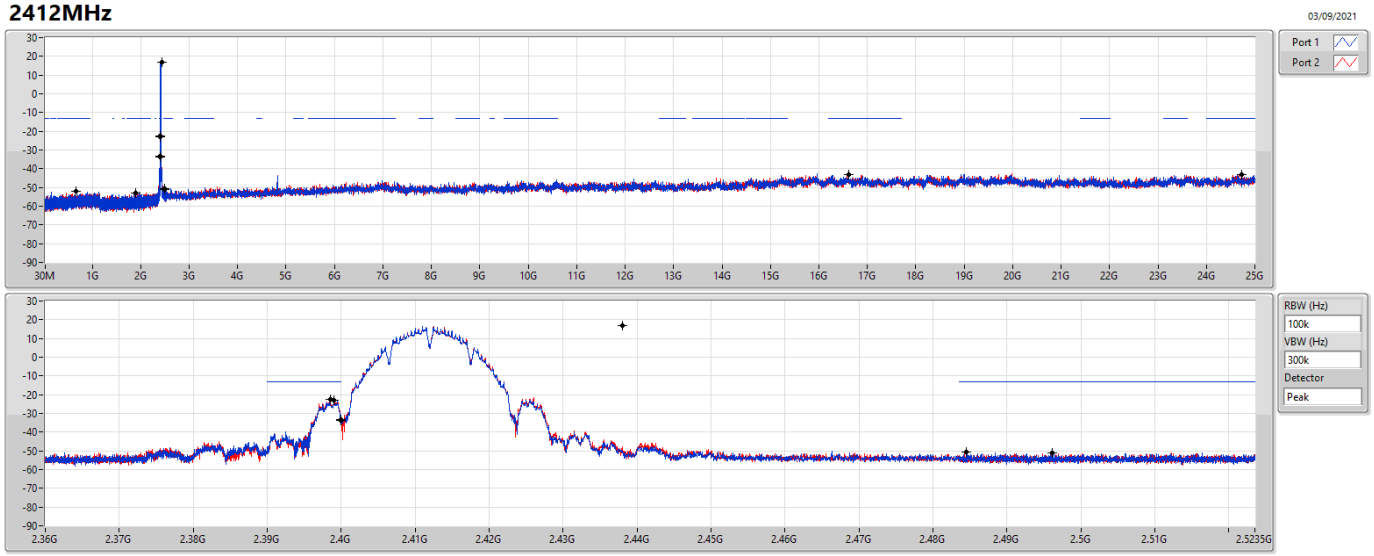
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43803G	16.68	-13.32	1.88905G	-52.74	2.3985G	-22.62	2.4G	-33.05	2.49612G	-51.14	16.62188G	-42.98	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43824G	12.19	-17.81	159.9M	-51.38	2.39974G	-20.31	2.4G	-22.31	2.50004G	-50.42	24.95224G	-43.48	1
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.442G	12.73	-17.27	159.9M	-52.91	2.39966G	-19.33	2.4G	-22.49	2.4884G	-50.21	16.54603G	-43.13	2
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.42822G	7.41	-22.59	519.77M	-51.60	2.39984G	-27.35	2.4G	-29.20	2.52562G	-50.08	23.5865G	-41.85	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	2.43803G	16.68	-13.32	669.88M	-52.04	2.399G	-22.91	2.4G	-33.82	2.48446G	-50.79	24.72466G	-43.35	1
2412MHz	Pass	2.43803G	16.68	-13.32	1.88905G	-52.74	2.3985G	-22.62	2.4G	-33.05	2.49612G	-51.14	16.62188G	-42.98	2
2437MHz	Pass	2.43803G	16.68	-13.32	159.9M	-50.23	2.39948G	-49.27	2.4G	-51.78	2.5062G	-50.23	23.34236G	-42.85	1
2437MHz	Pass	2.43803G	16.68	-13.32	159.9M	-52.62	2.39936G	-49.00	2.4G	-51.31	2.49858G	-50.74	16.25945G	-43.42	2
2462MHz	Pass	2.43803G	16.68	-13.32	159.9M	-52.70	2.39888G	-50.53	2.4835G	-41.85	2.4835G	-43.32	16.79046G	-43.26	1
2462MHz	Pass	2.43803G	16.68	-13.32	159.9M	-52.30	2.39194G	-52.03	2.4835G	-43.01	2.4835G	-44.22	24.7359G	-43.24	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	12.19	-17.81	159.9M	-51.38	2.39974G	-20.31	2.4G	-22.31	2.50004G	-50.42	24.95224G	-43.48	1
2412MHz	Pass	2.43824G	12.19	-17.81	2.3G	-52.81	2.39982G	-22.05	2.4G	-24.25	2.49626G	-50.33	24.63195G	-40.93	2
2437MHz	Pass	2.43824G	12.19	-17.81	929.09M	-52.57	2.39948G	-50.59	2.4G	-52.90	2.51472G	-50.26	23.27212G	-43.14	1
2437MHz	Pass	2.43824G	12.19	-17.81	159.9M	-51.51	2.39878G	-49.96	2.4G	-52.89	2.51922G	-50.47	17.63895G	-42.33	2
2462MHz	Pass	2.43824G	12.19	-17.81	2.30816G	-52.36	2.39738G	-50.44	2.4835G	-34.71	2.48386G	-35.07	17.60242G	-43.31	1
2462MHz	Pass	2.43824G	12.19	-17.81	2.30437G	-51.82	2.39588G	-51.56	2.4835G	-34.75	2.48386G	-34.55	23.56712G	-43.08	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.442G	12.73	-17.27	2.3067G	-52.41	2.3995G	-19.82	2.4G	-21.05	2.4874G	-51.13	24.32571G	-43.01	1
2412MHz	Pass	2.442G	12.73	-17.27	159.9M	-52.91	2.39966G	-19.33	2.4G	-22.49	2.4884G	-50.21	16.54603G	-43.13	2
2437MHz	Pass	2.442G	12.73	-17.27	892.68M	-52.40	2.3915G	-50.12	2.4G	-52.59	2.48522G	-50.38	24.646G	-42.00	1
2437MHz	Pass	2.442G	12.73	-17.27	724.63M	-51.71	2.3974G	-49.24	2.4G	-52.46	2.4859G	-50.60	17.60523G	-43.28	2
2462MHz	Pass	2.442G	12.73	-17.27	159.9M	-51.63	2.39634G	-51.51	2.4835G	-35.26	2.48368G	-33.68	16.93094G	-42.72	1
2462MHz	Pass	2.442G	12.73	-17.27	897.93M	-52.81	2.39412G	-50.35	2.4835G	-34.74	2.4836G	-34.47	17.60523G	-43.17	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.42822G	7.41	-22.59	519.77M	-51.60	2.39984G	-27.35	2.4G	-29.20	2.52562G	-50.08	23.5865G	-41.85	1
2422MHz	Pass	2.42822G	7.41	-22.59	761.66M	-51.94	2.4G	-29.27	2.4G	-30.23	2.49014G	-50.68	24.61577G	-43.13	2
2437MHz	Pass	2.42822G	7.41	-22.59	2.30168G	-52.72	2.39952G	-27.89	2.4G	-34.83	2.48374G	-39.56	24.67467G	-43.85	1
2437MHz	Pass	2.42822G	7.41	-22.59	2.16314G	-52.04	2.3998G	-32.05	2.4G	-34.43	2.48358G	-39.41	17.69972G	-42.35	2
2452MHz	Pass	2.42822G	7.41	-22.59	159.96M	-51.65	2.39992G	-49.88	2.4835G	-41.02	2.48946G	-36.27	23.32007G	-42.63	1
2452MHz	Pass	2.42822G	7.41	-22.59	2.30741G	-51.01	2.39872G	-49.97	2.4835G	-41.60	2.48578G	-36.44	24.60175G	-42.64	2

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

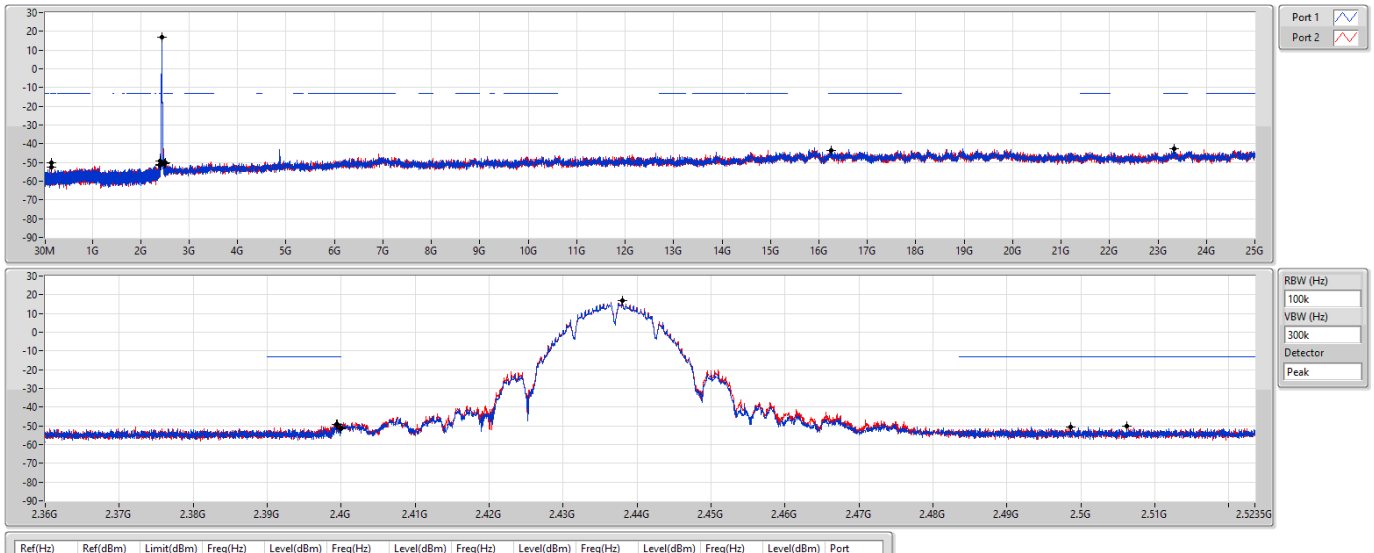
2412MHz



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
2.43803G	16.68	-13.32	669.88M	-52.04	2.399G	-22.91	2.4G	-33.82	2.48446G	-50.79	24.72466G	-43.35	1
2.43803G	16.68	-13.32	1.88905G	-52.74	2.3985G	-22.62	2.4G	-33.05	2.49612G	-51.14	16.62188G	-42.98	2

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

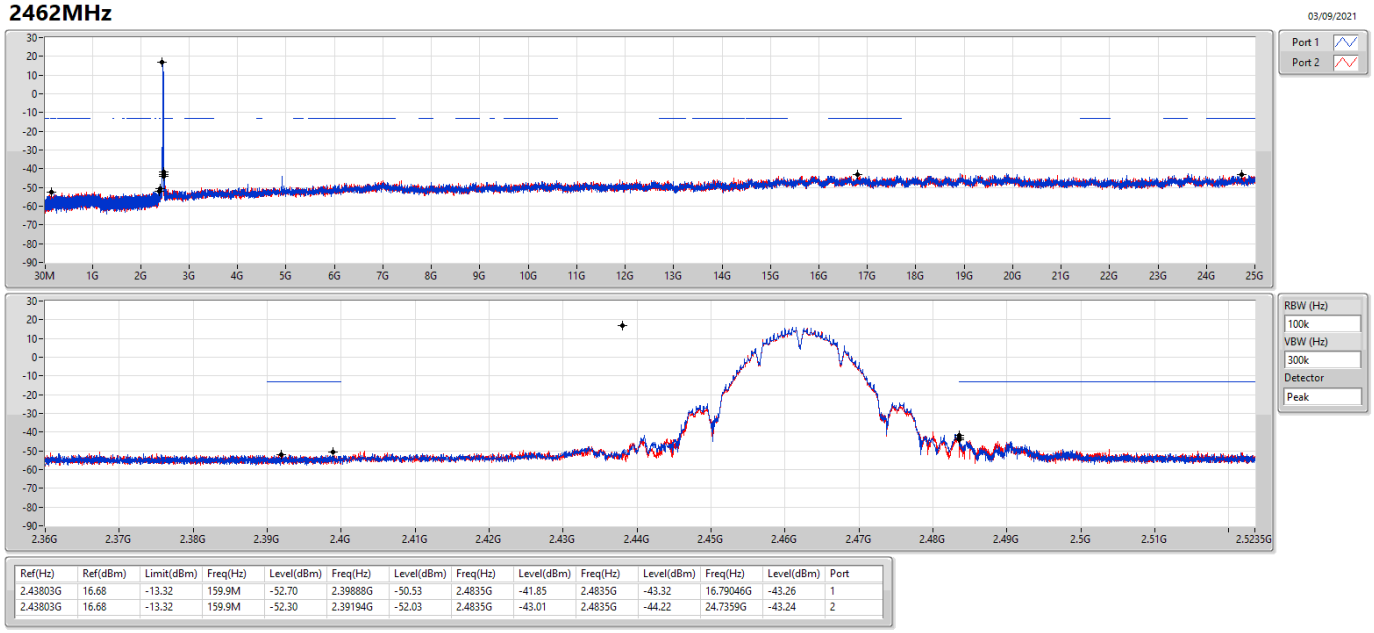
2437MHz



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
2.43803G	16.68	-13.32	159.9M	-50.23	2.39948G	-49.27	2.4G	-51.78	2.5062G	-50.23	23.34236G	-42.85	1
2.43803G	16.68	-13.32	159.9M	-52.62	2.39936G	-49.00	2.4G	-51.31	2.49858G	-50.74	16.25945G	-43.42	2

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

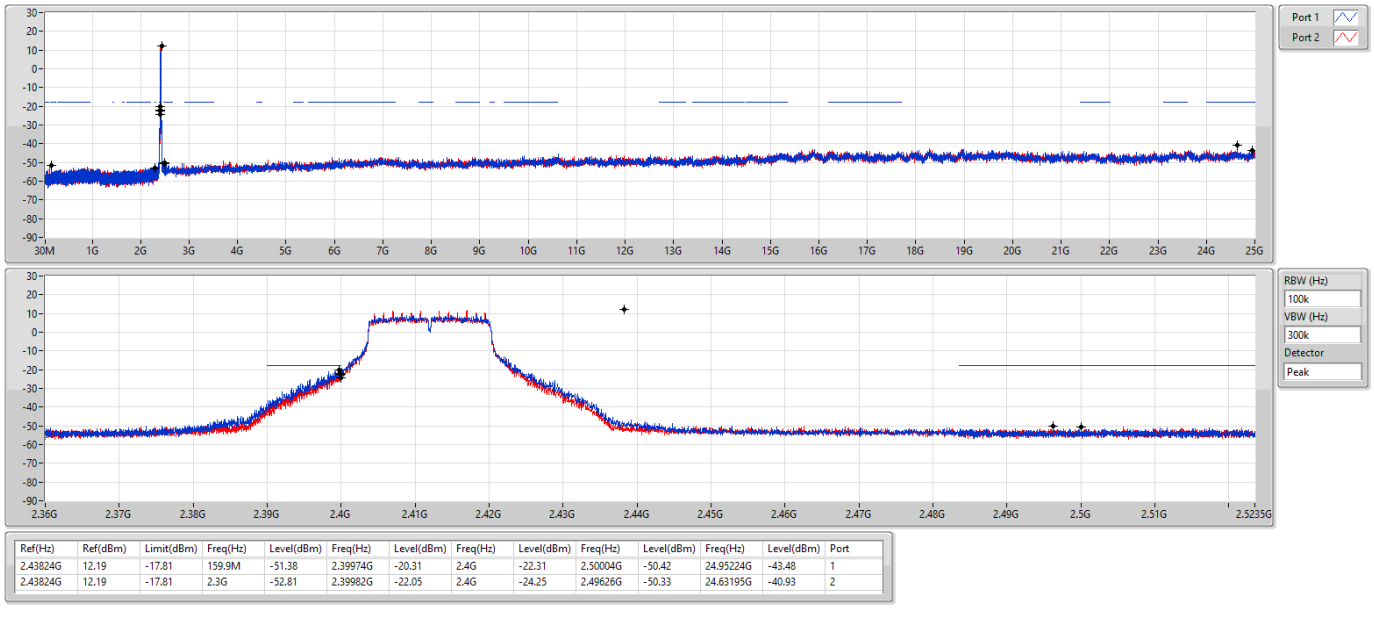
2462MHz



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
2.43803G	16.68	-13.32	159.9M	-52.70	2.39888G	-50.53	2.4835G	-41.85	2.4835G	-43.32	16.79046G	-43.26	1
2.43803G	16.68	-13.32	159.9M	-52.30	2.39194G	-52.03	2.4835G	-43.01	2.4835G	-44.22	24.7359G	-43.24	2

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

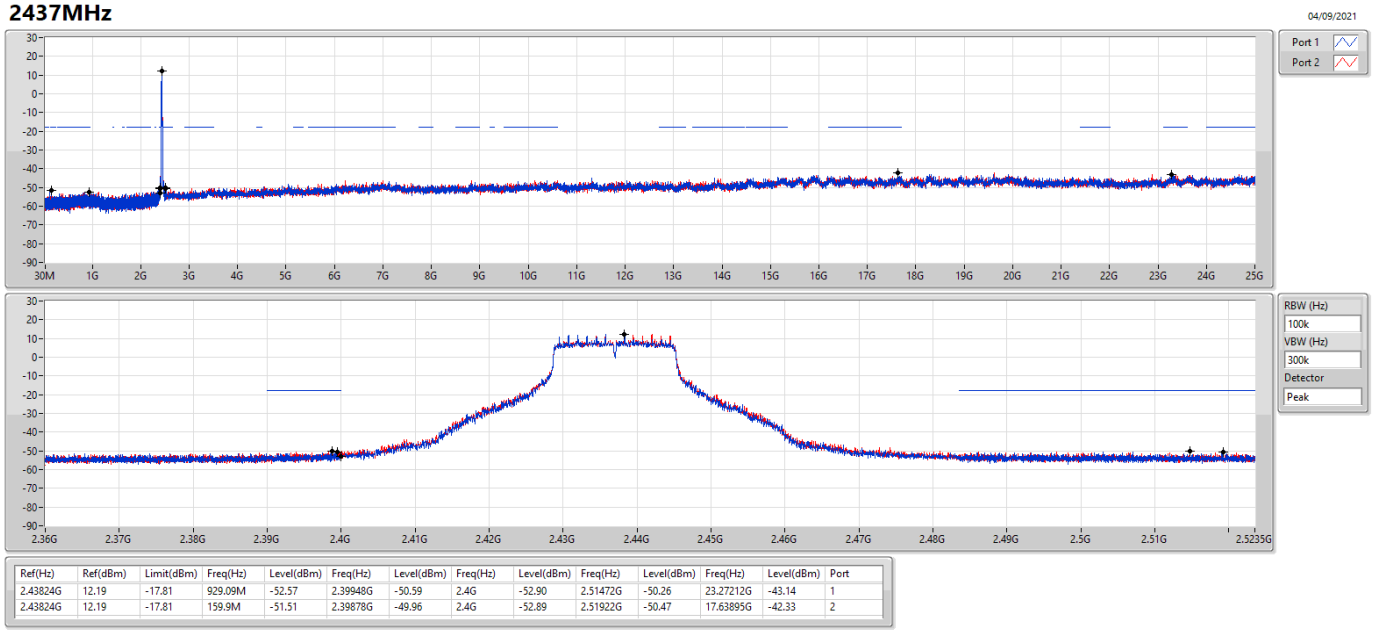
2412MHz



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	12.19	-17.81	159.9M	-51.38	2.39974G	-20.31	2.4G	-22.31	2.50004G	-50.42	24.95224G	-43.48	1
2.43824G	12.19	-17.81	2.3G	-52.81	2.39982G	-22.05	2.4G	-24.25	2.49626G	-50.33	24.63195G	-40.93	2

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

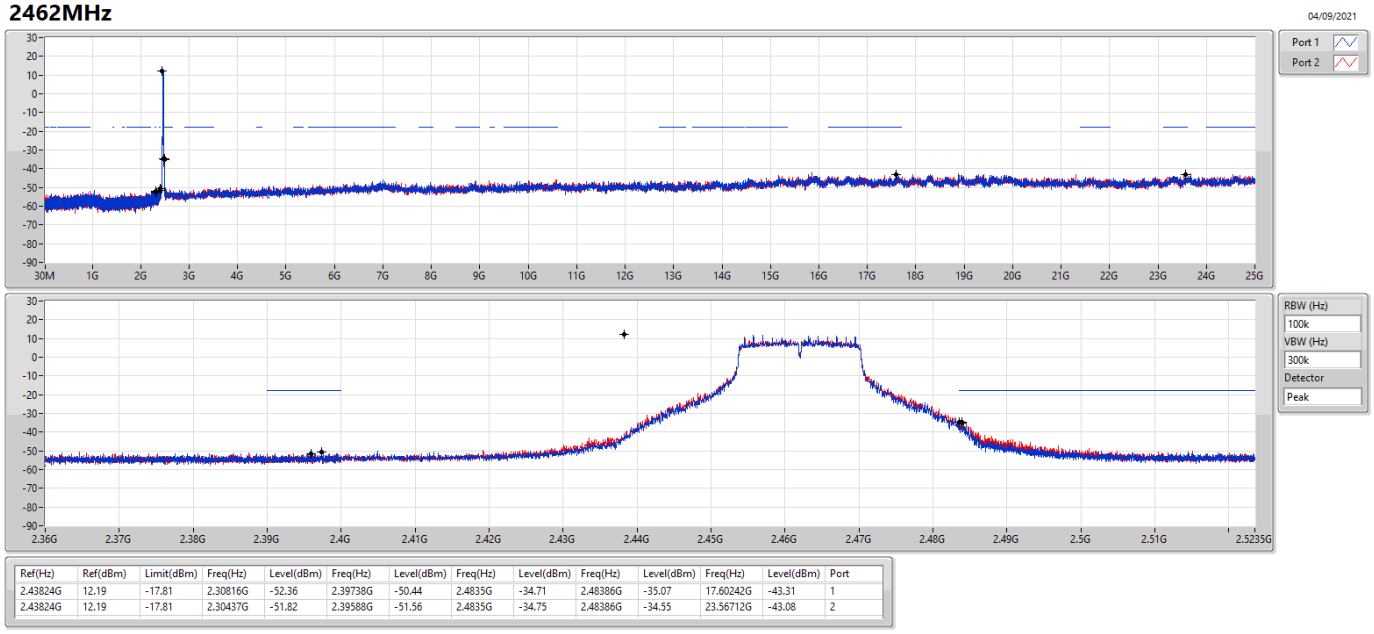
2437MHz



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	12.19	-17.81	929.09M	-52.57	2.39948G	-50.59	2.4G	-52.90	2.51472G	-50.26	23.27212G	-43.14	1
2.43824G	12.19	-17.81	159.9M	-51.51	2.39878G	-49.96	2.4G	-52.89	2.51922G	-50.47	17.63895G	-42.33	2

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

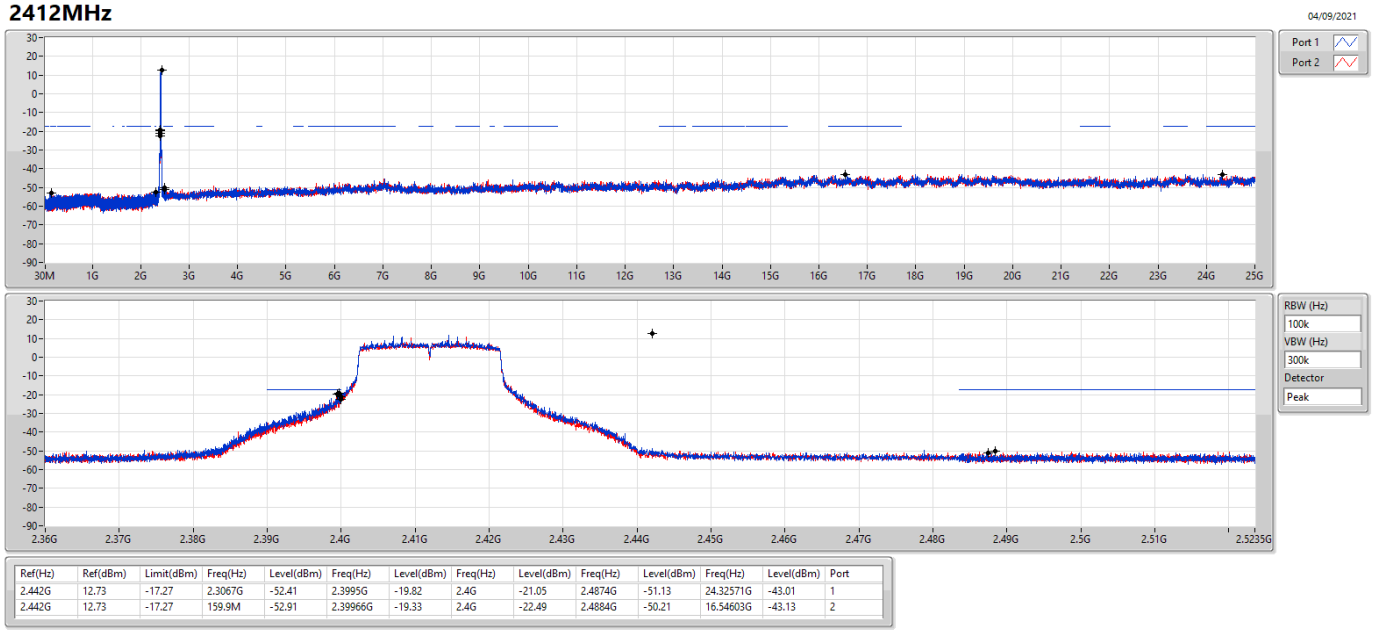
2462MHz



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	12.19	-17.81	2.30816G	-52.36	2.39738G	-50.44	2.4835G	-34.71	2.48386G	-35.07	17.60242G	-43.31	1
2.43824G	12.19	-17.81	2.30437G	-51.82	2.39588G	-51.56	2.4835G	-34.75	2.48386G	-34.55	23.56712G	-43.08	2

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

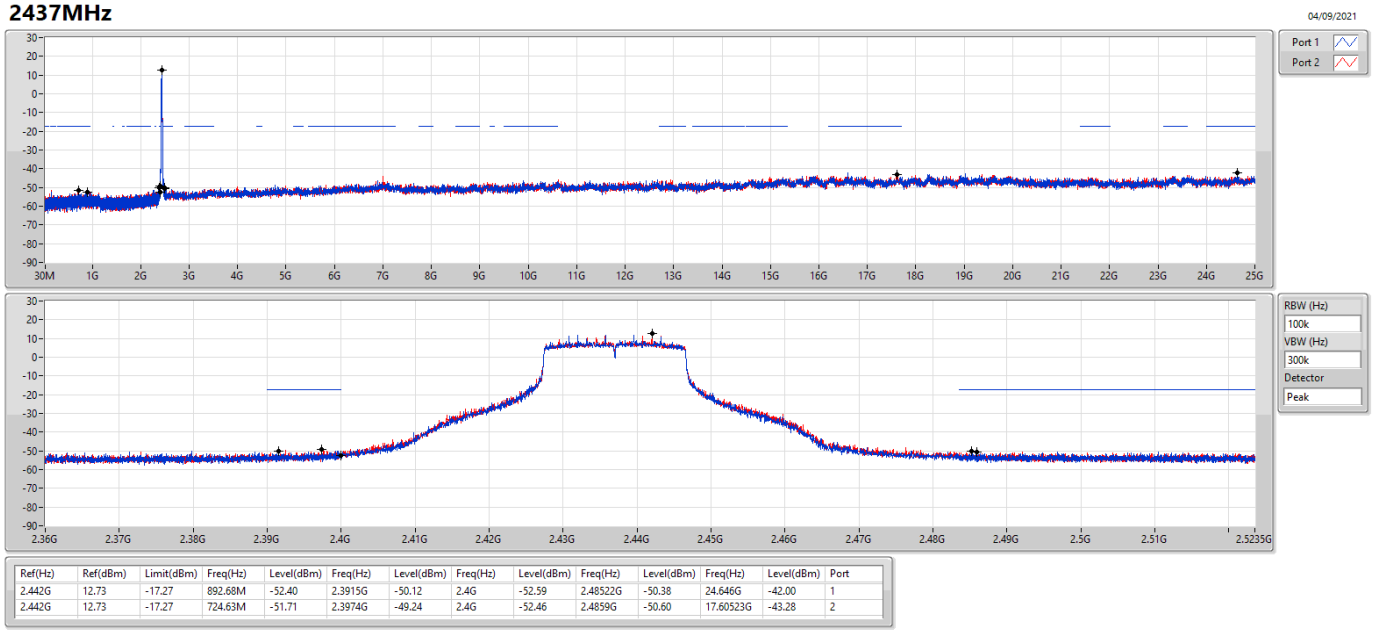
2412MHz



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
2.442G	12.73	-17.27	2.3067G	-52.41	2.3995G	-19.82	2.4G	-21.05	2.4874G	-51.13	24.32571G	-43.01	1
2.442G	12.73	-17.27	159.9M	-52.91	2.39966G	-19.33	2.4G	-22.49	2.4884G	-50.21	16.54603G	-43.13	2

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

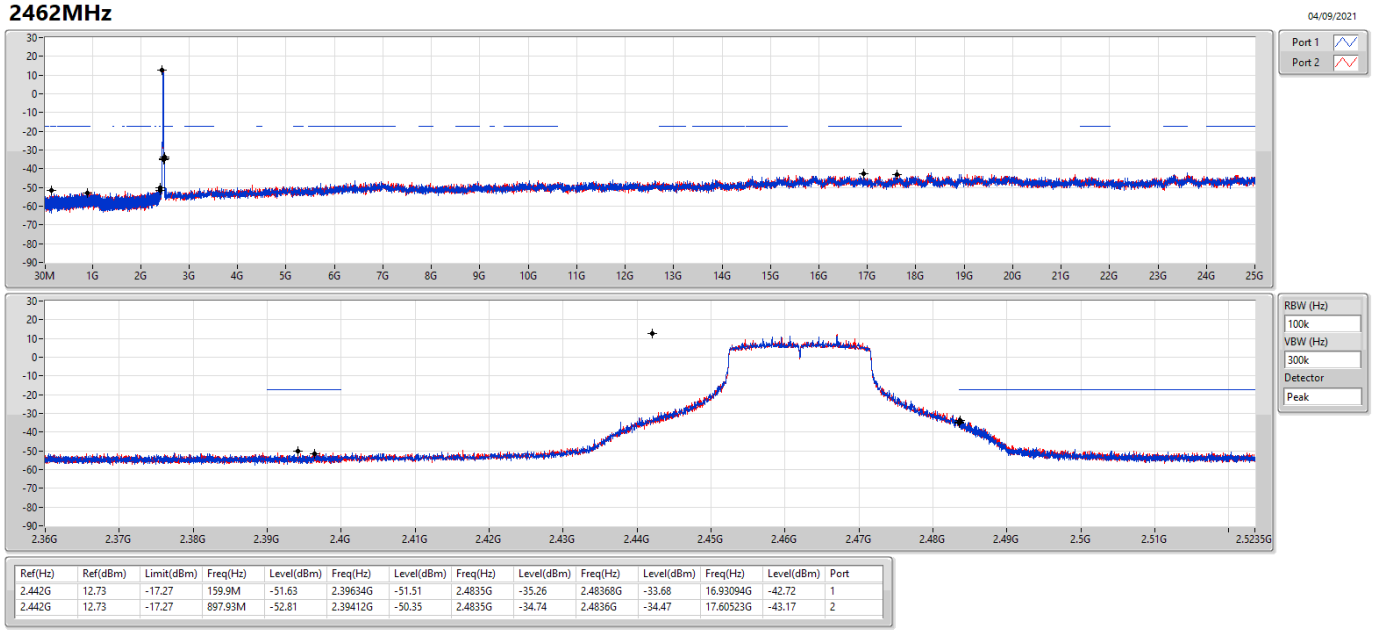
2437MHz



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
2.442G	12.73	-17.27	892.68M	-52.40	2.3915G	-50.12	2.4G	-52.59	2.48522G	-50.38	24.646G	-42.00	1
2.442G	12.73	-17.27	724.63M	-51.71	2.3974G	-49.24	2.4G	-52.46	2.4859G	-50.60	17.60523G	-43.28	2

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

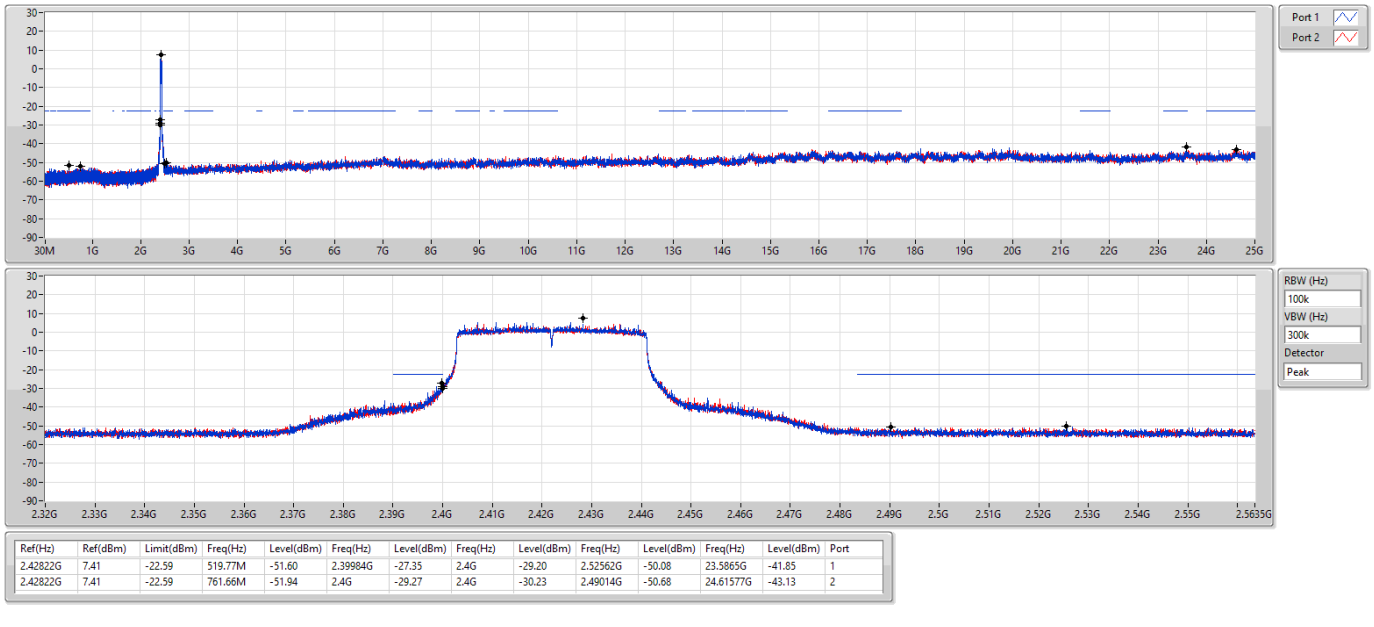
2462MHz



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
2.442G	12.73	-17.27	159.9M	-51.63	2.39634G	-51.51	2.4835G	-35.26	2.48368G	-33.68	16.93094G	-42.72	1
2.442G	12.73	-17.27	897.93M	-52.81	2.39412G	-50.35	2.4835G	-34.74	2.4836G	-34.47	17.60523G	-43.17	2

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

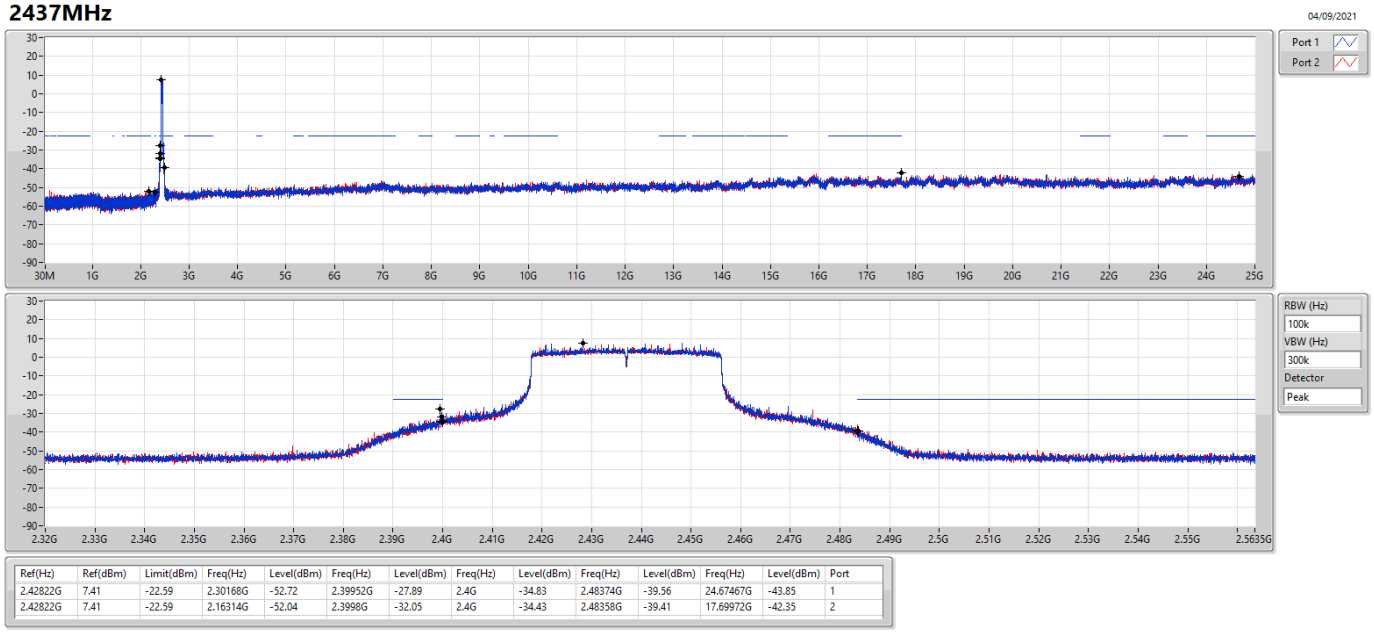
2422MHz



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
2.42822G	7.41	-22.59	519.77M	-51.60	2.39984G	-27.35	2.4G	-29.20	2.52562G	-50.08	23.5865G	-41.85	1
2.42822G	7.41	-22.59	761.66M	-51.94	2.4G	-29.27	2.4G	-30.23	2.49014G	-50.68	24.61577G	-43.13	2

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

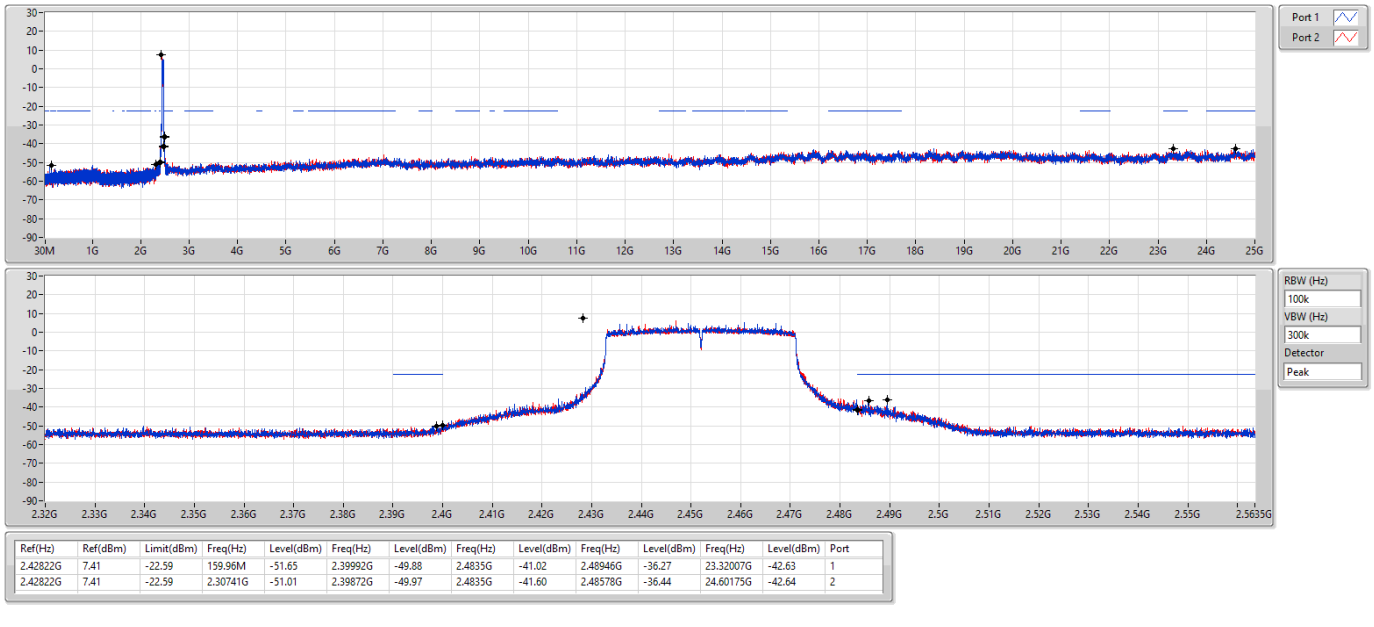
2437MHz



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
2.42822G	7.41	-22.59	2.30168G	-52.72	2.39952G	-27.89	2.4G	-34.83	2.48374G	-39.56	24.67467G	-43.85	1
2.42822G	7.41	-22.59	2.16314G	-52.04	2.3998G	-32.05	2.4G	-34.43	2.48358G	-39.41	17.69972G	-42.35	2

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

2452MHz



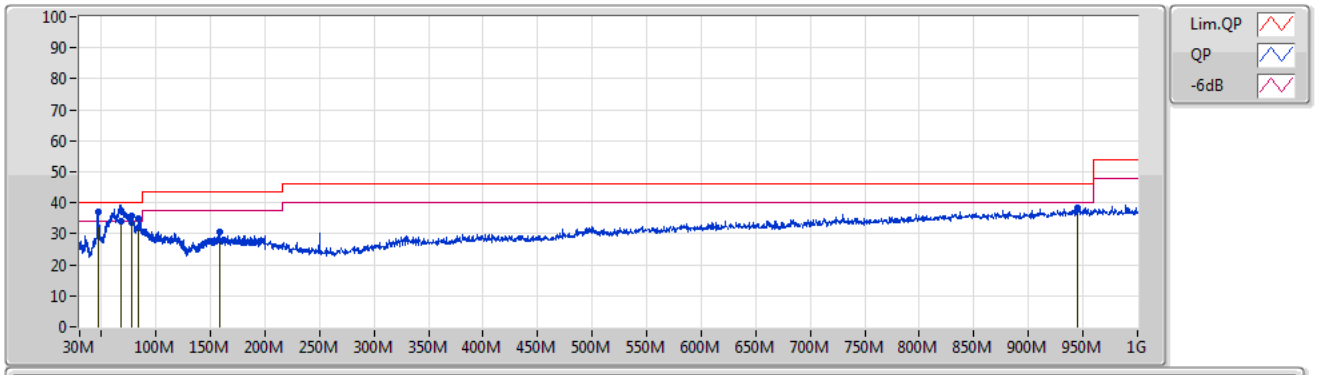
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.42822G	7.41	-22.59	159.96M	-51.65	2.39992G	-49.88	2.4835G	-41.02	2.48946G	-36.27	23.32007G	-42.63	1
2.42822G	7.41	-22.59	2.30741G	-51.01	2.39872G	-49.97	2.4835G	-41.60	2.48578G	-36.44	24.60175G	-42.64	2

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	46.66M	37.00	40.00	-3.00	Vertical

Mode 1

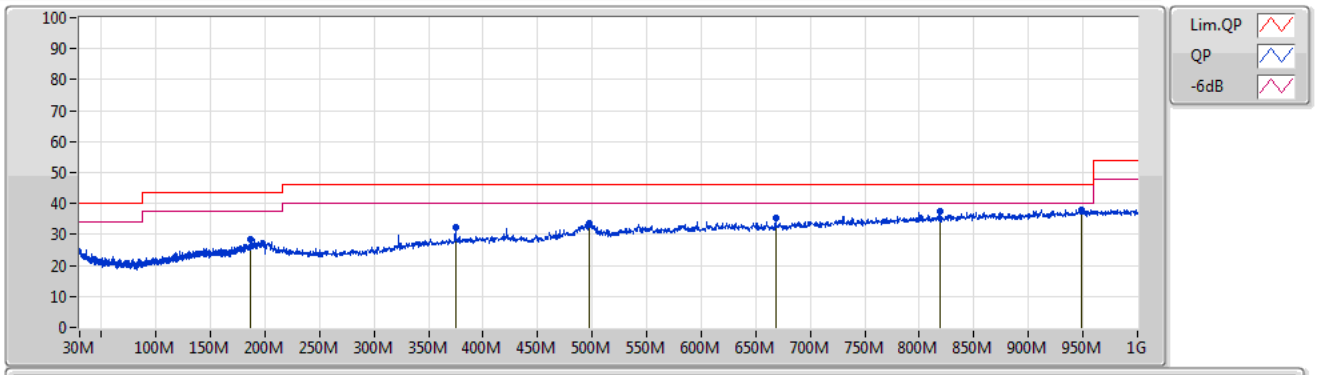
17/08/2021



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	46.66M	37.00	40.00	-3.00	-15.77	3	Vertical	353	2.00	"Worst"	52.77	10.74	1.43	27.94
QP	67.83M	34.00	40.00	-6.00	-16.64	3	Vertical	272	2.00	-	50.64	9.33	1.86	27.83
PK	77.6M	35.76	40.00	-4.24	-16.70	3	Vertical	156	2.00	-	52.46	9.08	2.05	27.83
PK	83.98M	34.91	40.00	-5.09	-16.47	3	Vertical	351	4.00	-	51.38	9.20	2.18	27.85
PK	158.61M	30.74	43.50	-12.76	-12.43	3	Vertical	112	1.00	-	43.17	11.90	3.19	27.52
PK	944.8M	38.48	46.00	-7.52	2.82	3	Vertical	109	4.00	-	35.66	22.23	6.96	26.37

Mode 1

17/08/2021



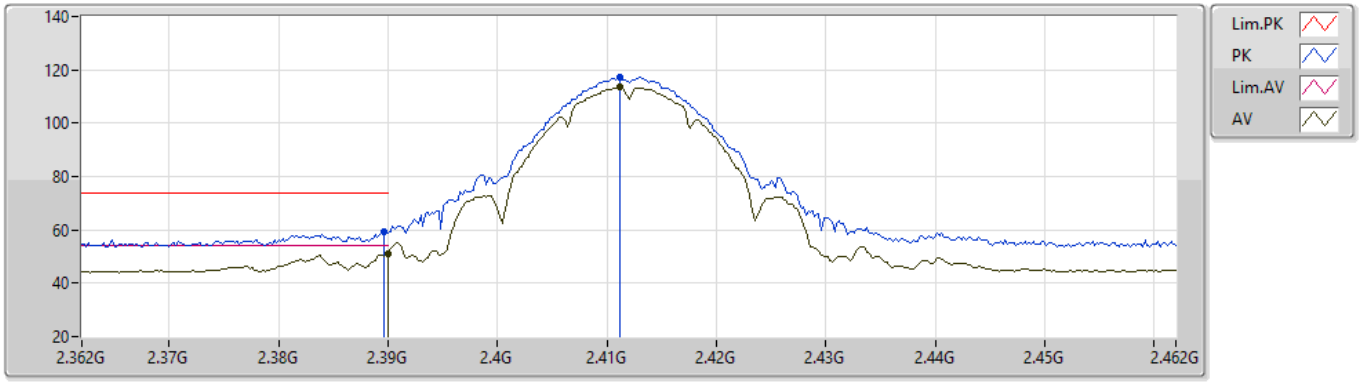
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	186.32M	28.40	43.50	-15.10	-10.15	3	Horizontal	162	2.00	-	38.55	13.63	3.56	27.34
PK	374.4M	32.29	46.00	-13.71	-7.38	3	Horizontal	0	1.00	-	39.67	15.53	4.20	27.11
PK	497.6M	33.83	46.00	-12.17	-5.64	3	Horizontal	164	2.00	-	39.47	17.46	4.79	27.89
PK	668.4M	35.42	46.00	-10.58	-2.72	3	Horizontal	108	3.00	-	38.14	19.32	5.67	27.71
PK	819.2M	37.56	46.00	-8.44	0.31	3	Horizontal	311	1.00	-	37.25	20.95	6.38	27.02
PK	948.8M	38.04	46.00	-7.96	2.81	3	Horizontal	356	4.00	"Worst"	35.23	22.17	6.99	26.35

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.39G	53.86	54.00	-0.14	3	Vertical	88	3.00	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

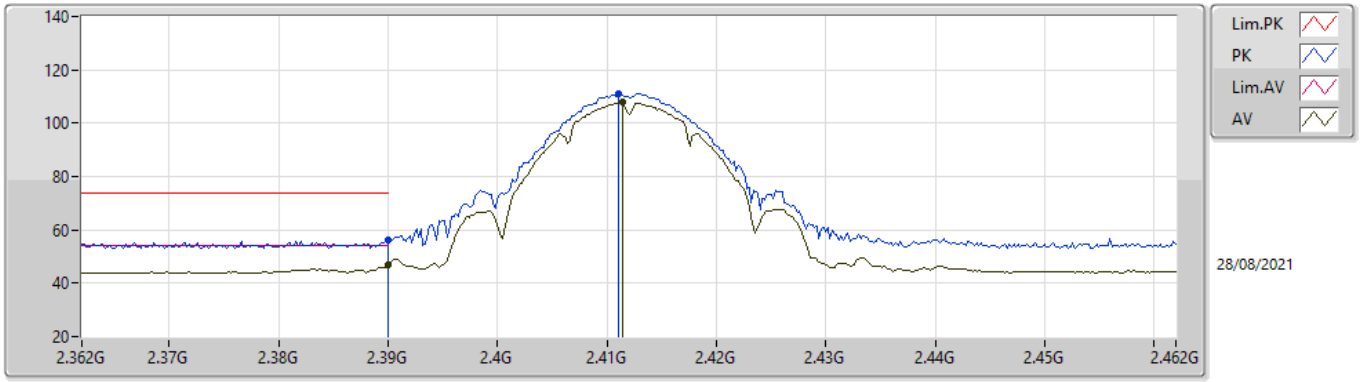


EUT Z_2TX
Setting 26
04-E-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3896G	59.33	74.00	-14.67	28.65	3	Vertical	84	2.39	-	27.48	3.20	-
AV	2.39G	51.23	54.00	-2.77	20.55	3	Vertical	84	2.39	-	27.48	3.20	-
PK	2.4112G	117.18	Inf	-Inf	86.45	3	Vertical	84	2.39	-	27.52	3.21	-
AV	2.4112G	113.57	Inf	-Inf	82.84	3	Vertical	84	2.39	-	27.52	3.21	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

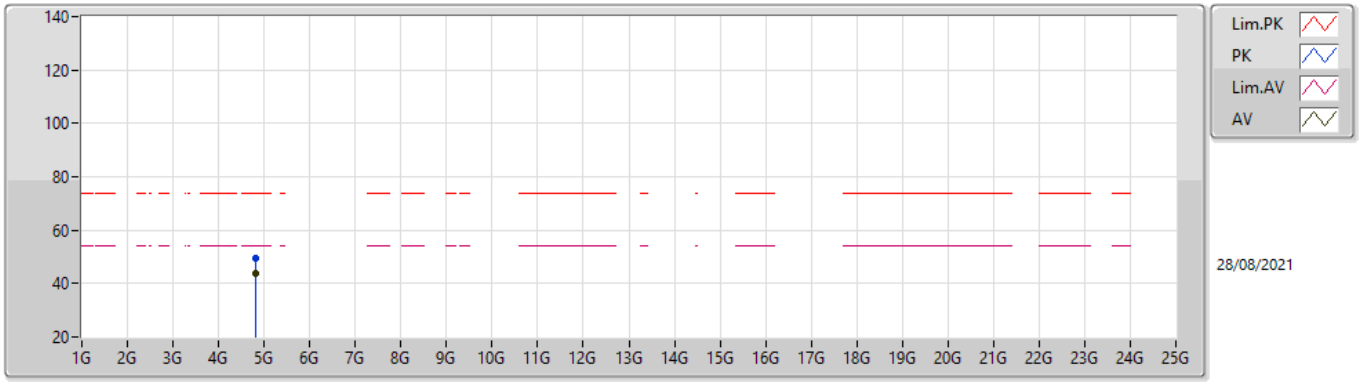


EUT Z_2TX
Setting 26
04-E-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	55.98	74.00	-18.02	25.30	3	Horizontal	185	2.82	-	27.48	3.20	-
AV	2.39G	46.74	54.00	-7.26	16.06	3	Horizontal	185	2.82	-	27.48	3.20	-
PK	2.411G	111.23	Inf	-Inf	80.50	3	Horizontal	185	2.82	-	27.52	3.21	-
AV	2.4114G	107.75	Inf	-Inf	77.02	3	Horizontal	185	2.82	-	27.52	3.21	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

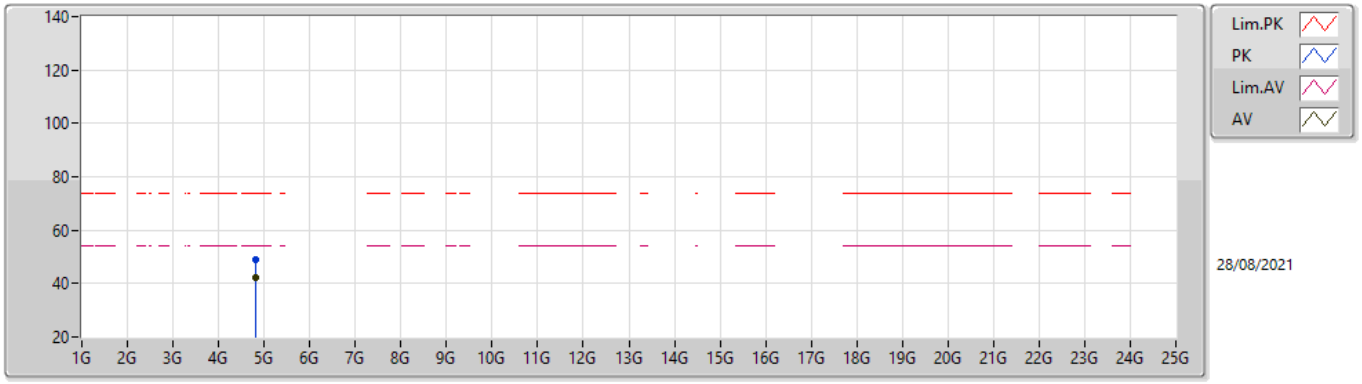


EUT Z_2TX
Setting 26
04-E-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82392G	49.60	74.00	-24.40	44.90	3	Vertical	73	2.59	-	32.54	5.41	33.25
AV	4.824G	43.91	54.00	-10.09	39.21	3	Vertical	73	2.59	-	32.54	5.41	33.25

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

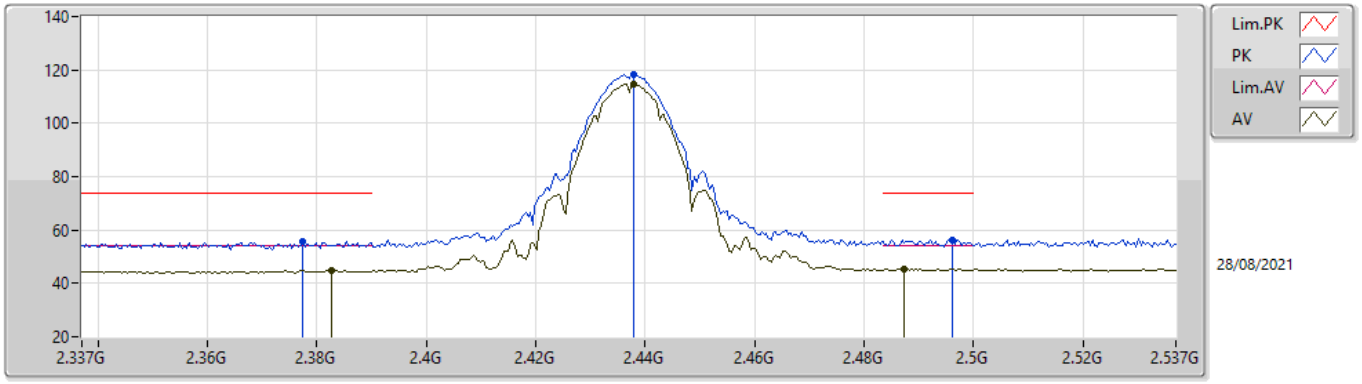


EUT Z_2TX
Setting 26
04-E-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82404G	48.76	74.00	-25.24	44.06	3	Horizontal	117	2.90	-	32.54	5.41	33.25
AV	4.8239G	42.01	54.00	-11.99	37.31	3	Horizontal	117	2.90	-	32.54	5.41	33.25

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

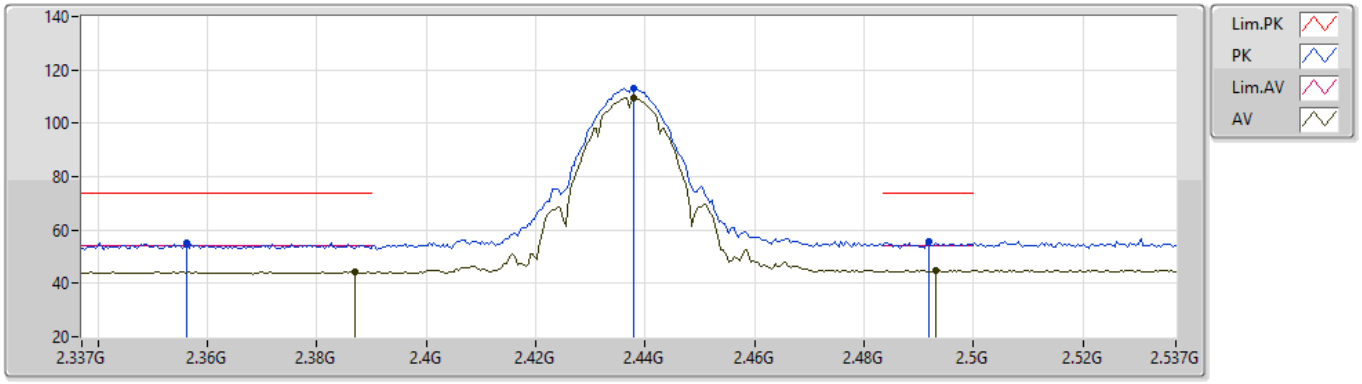


EUT Z_2TX
Setting 26
04-E-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3774G	55.92	74.00	-18.08	25.27	3	Vertical	9	2.74	-	27.45	3.20	-
AV	2.3826G	44.67	54.00	-9.33	14.00	3	Vertical	9	2.74	-	27.47	3.20	-
PK	2.4378G	118.36	Inf	-Inf	87.54	3	Vertical	9	2.74	-	27.58	3.24	-
AV	2.4378G	114.68	Inf	-Inf	83.86	3	Vertical	9	2.74	-	27.58	3.24	-
PK	2.4962G	56.40	74.00	-17.60	25.32	3	Vertical	9	2.74	-	27.78	3.30	-
AV	2.4874G	45.40	54.00	-8.60	14.36	3	Vertical	9	2.74	-	27.75	3.29	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

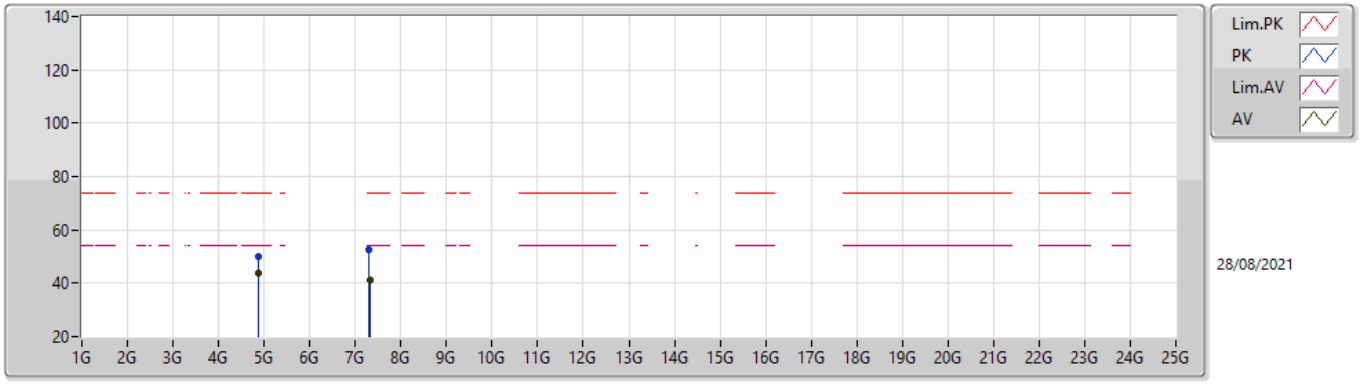


EUT Z_2TX
Setting 26
04-E-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3562G	55.24	74.00	-18.76	24.63	3	Horizontal	168	1.15	-	27.41	3.20	-
AV	2.387G	44.55	54.00	-9.45	13.88	3	Horizontal	168	1.15	-	27.47	3.20	-
PK	2.4378G	113.23	Inf	-Inf	82.41	3	Horizontal	168	1.15	-	27.58	3.24	-
AV	2.4378G	109.46	Inf	-Inf	78.64	3	Horizontal	168	1.15	-	27.58	3.24	-
PK	2.4918G	55.58	74.00	-18.42	24.52	3	Horizontal	168	1.15	-	27.77	3.29	-
AV	2.493G	44.87	54.00	-9.13	13.81	3	Horizontal	168	1.15	-	27.77	3.29	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

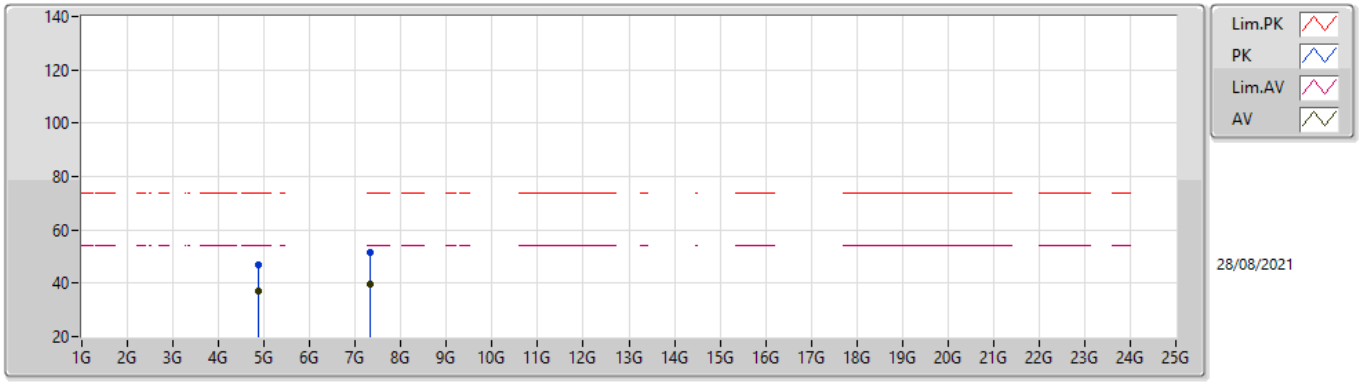


EUT Z_2TX
Setting 26
04-E-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87384G	49.91	74.00	-24.09	44.95	3	Vertical	295	2.64	-	32.75	5.44	33.23
AV	4.87408G	43.86	54.00	-10.14	38.90	3	Vertical	295	2.64	-	32.75	5.44	33.23
PK	7.30924G	52.73	74.00	-21.27	42.14	3	Vertical	40	2.79	-	37.40	6.85	33.66
AV	7.31258G	41.12	54.00	-12.88	30.53	3	Vertical	40	2.79	-	37.40	6.86	33.67

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

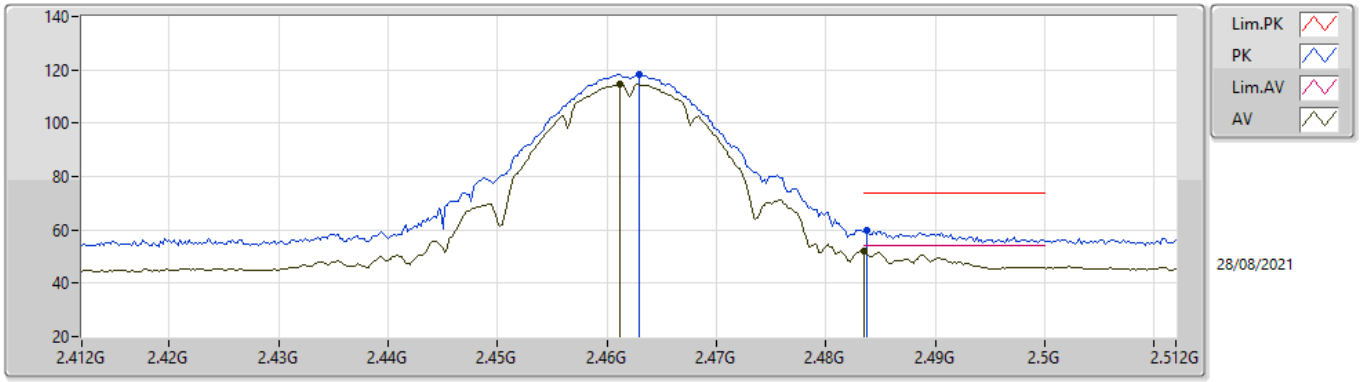


EUT Z_2TX
Setting 26
04-E-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87384G	46.90	74.00	-27.10	41.94	3	Horizontal	170	2.90	-	32.75	5.44	33.23
AV	4.87396G	37.29	54.00	-16.71	32.33	3	Horizontal	170	2.90	-	32.75	5.44	33.23
PK	7.31426G	51.41	74.00	-22.59	40.82	3	Horizontal	266	1.00	-	37.40	6.86	33.67
AV	7.31264G	39.54	54.00	-14.46	28.95	3	Horizontal	266	1.00	-	37.40	6.86	33.67

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

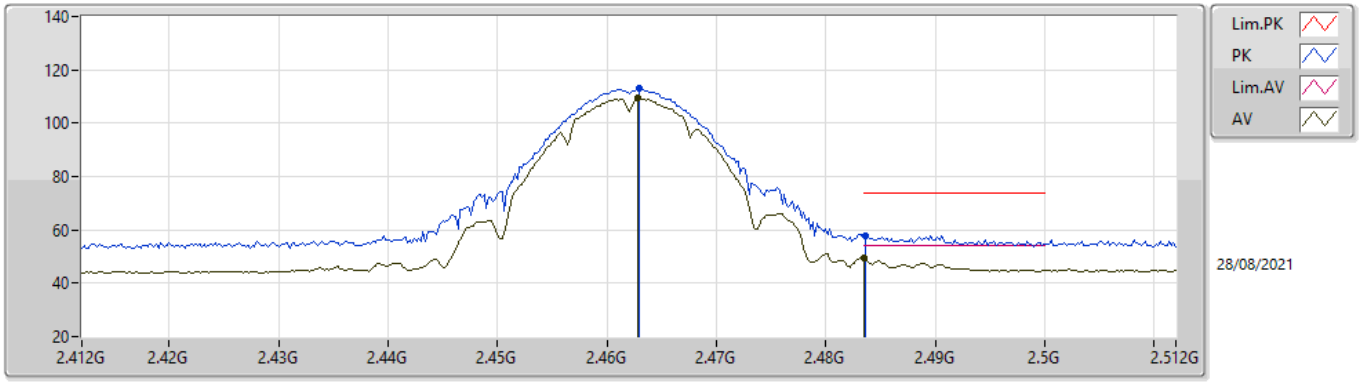


EUT Z_2TX
Setting 24.5
04-E-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.463G	118.34	Inf	-Inf	87.43	3	Vertical	9	2.90	-	27.65	3.26	-
AV	2.4612G	114.71	Inf	-Inf	83.81	3	Vertical	9	2.90	-	27.64	3.26	-
PK	2.4838G	60.02	74.00	-13.98	29.00	3	Vertical	9	2.90	-	27.74	3.28	-
AV	2.4835G	52.28	54.00	-1.72	21.27	3	Vertical	9	2.90	-	27.73	3.28	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

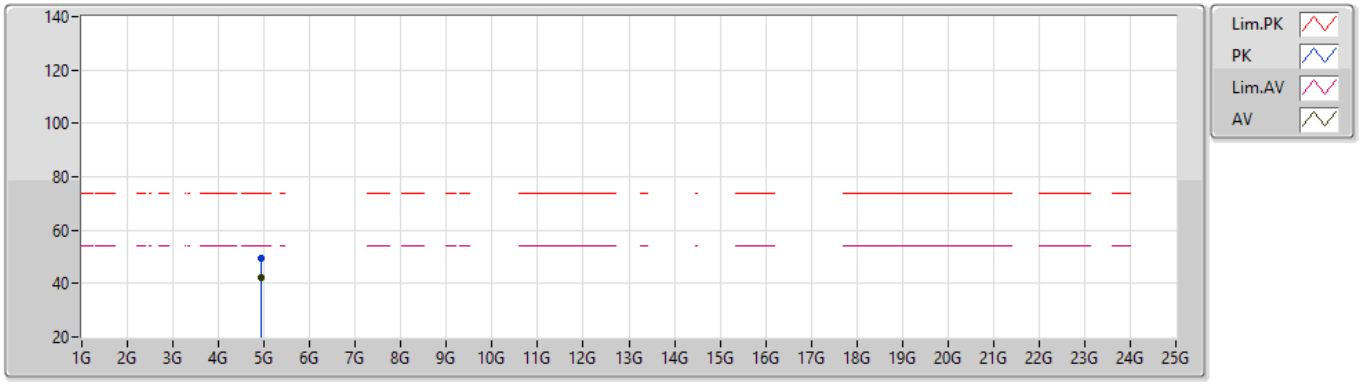


EUT Z_2TX
Setting 24.5
04-E-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.463G	113.02	Inf	-Inf	82.11	3	Horizontal	170	1.35	-	27.65	3.26	-
AV	2.4628G	109.28	Inf	-Inf	78.37	3	Horizontal	170	1.35	-	27.65	3.26	-
PK	2.4836G	58.01	74.00	-15.99	27.00	3	Horizontal	170	1.35	-	27.73	3.28	-
AV	2.4835G	49.59	54.00	-4.41	18.58	3	Horizontal	170	1.35	-	27.73	3.28	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

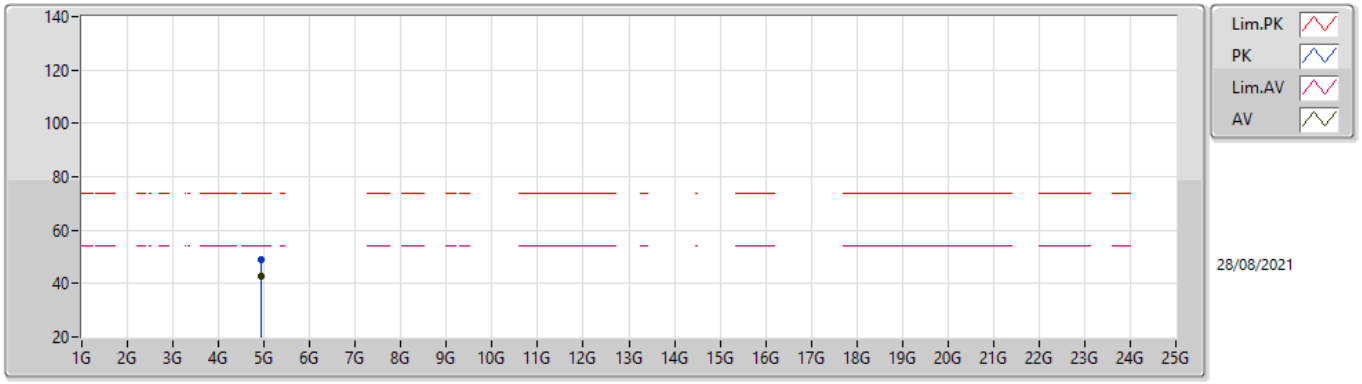


EUT Z_2TX
Setting 24.5
04-E-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92388G	49.43	74.00	-24.57	44.27	3	Vertical	181	2.52	-	32.90	5.46	33.20
AV	4.92398G	42.05	54.00	-11.95	36.89	3	Vertical	181	2.52	-	32.90	5.46	33.20

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

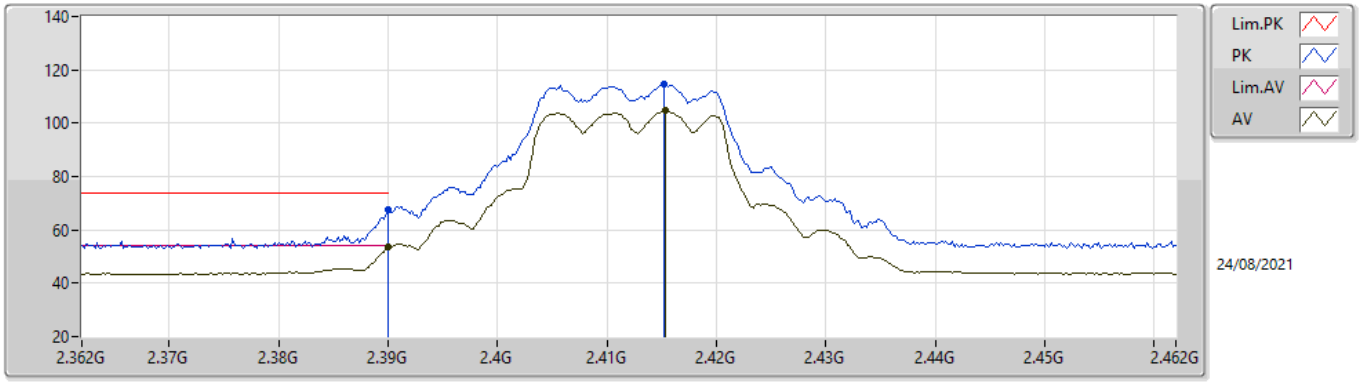


EUT Z_2TX
Setting 24.5
04-E-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92398G	48.80	74.00	-25.20	43.64	3	Horizontal	162	2.52	-	32.90	5.46	33.20
AV	4.92398G	42.58	54.00	-11.42	37.42	3	Horizontal	162	2.52	-	32.90	5.46	33.20

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

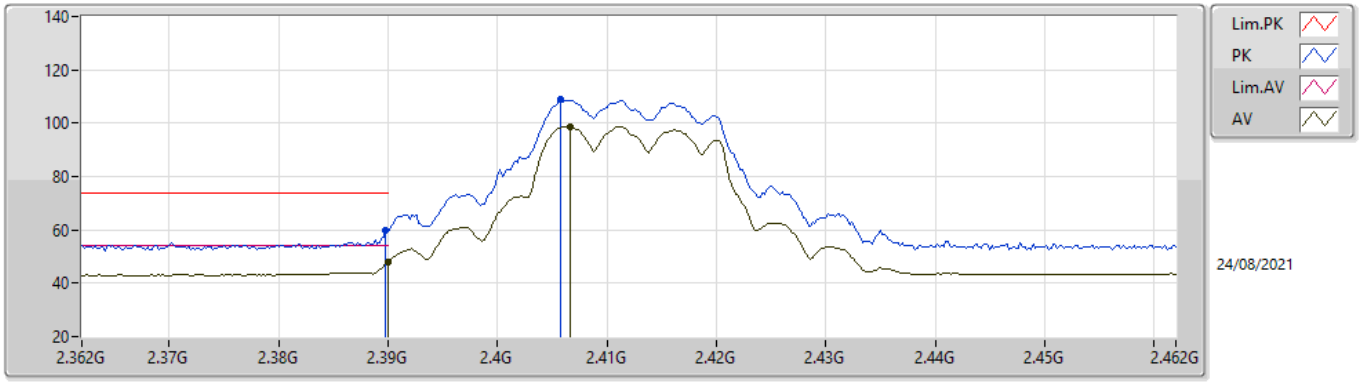


EUT Z_2TX
Setting 22
04-E-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	67.67	74.00	-6.33	36.99	3	Vertical	88	3.00	-	27.48	3.20	-
AV	2.39G	53.86	54.00	-0.14	23.18	3	Vertical	88	3.00	-	27.48	3.20	-
PK	2.4152G	114.41	Inf	-Inf	83.66	3	Vertical	88	3.00	-	27.53	3.22	-
AV	2.4154G	104.79	Inf	-Inf	74.04	3	Vertical	88	3.00	-	27.53	3.22	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

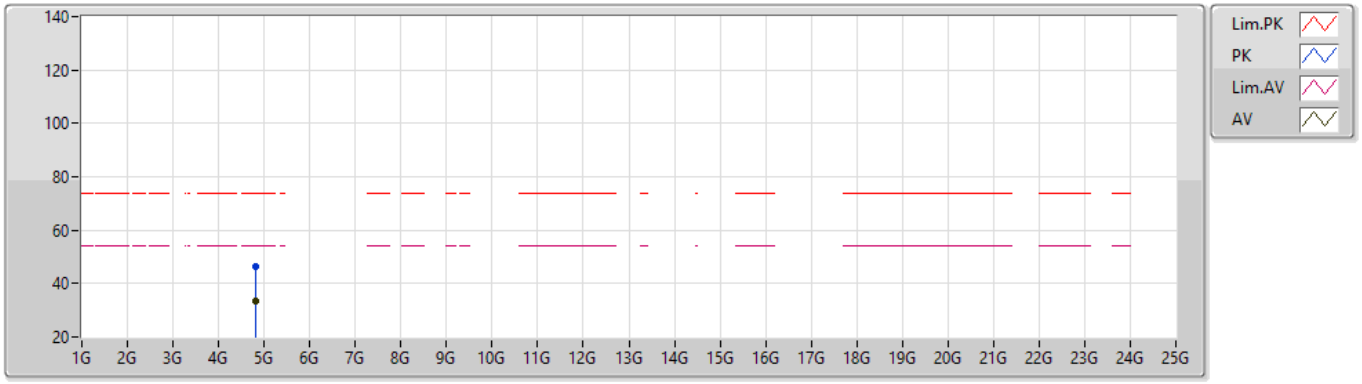


EUT Z_2TX
Setting 22
04-E-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	59.78	74.00	-14.22	29.10	3	Horizontal	13	2.75	-	27.48	3.20	-
AV	2.39G	47.85	54.00	-6.15	17.17	3	Horizontal	13	2.75	-	27.48	3.20	-
PK	2.4058G	108.77	Inf	-Inf	78.05	3	Horizontal	13	2.75	-	27.51	3.21	-
AV	2.4066G	98.83	Inf	-Inf	68.11	3	Horizontal	13	2.75	-	27.51	3.21	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

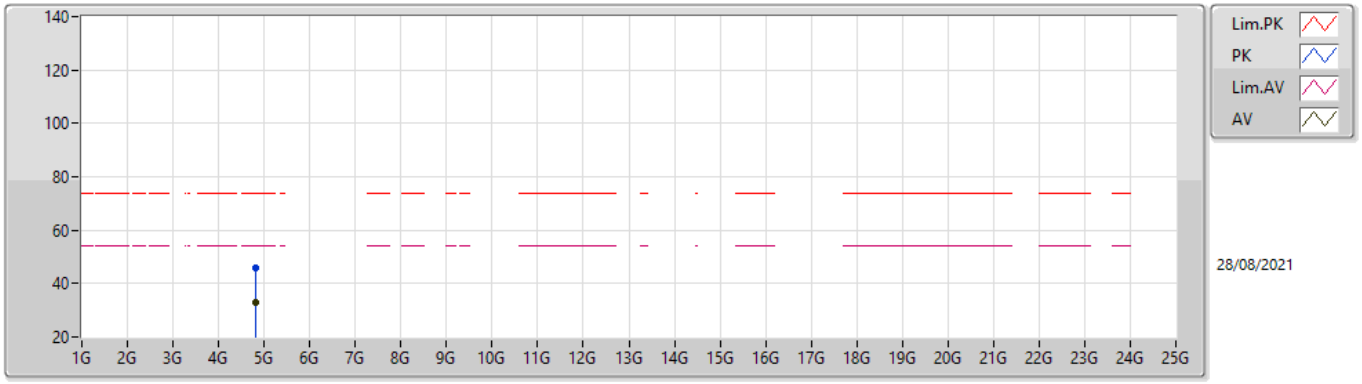


EUT Z_2TX
Setting 22
04-E-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82552G	46.43	74.00	-27.57	41.72	3	Vertical	179	2.45	-	32.55	5.41	33.25
AV	4.824G	33.49	54.00	-20.51	28.79	3	Vertical	179	2.45	-	32.54	5.41	33.25

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

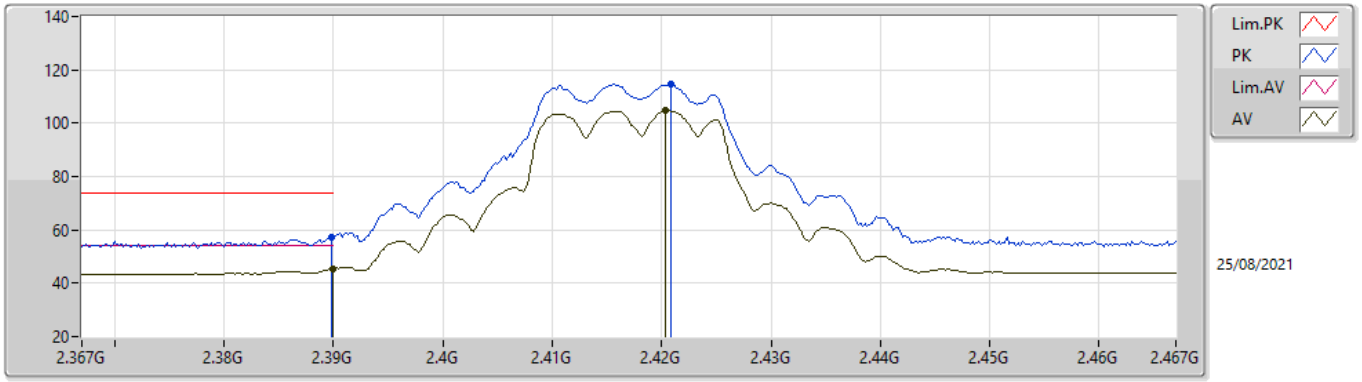


EUT Z_2TX
Setting 22
04-E-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82742G	45.95	74.00	-28.05	41.23	3	Horizontal	78	2.56	-	32.56	5.41	33.25
AV	4.82408G	32.77	54.00	-21.23	28.07	3	Horizontal	78	2.56	-	32.54	5.41	33.25

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

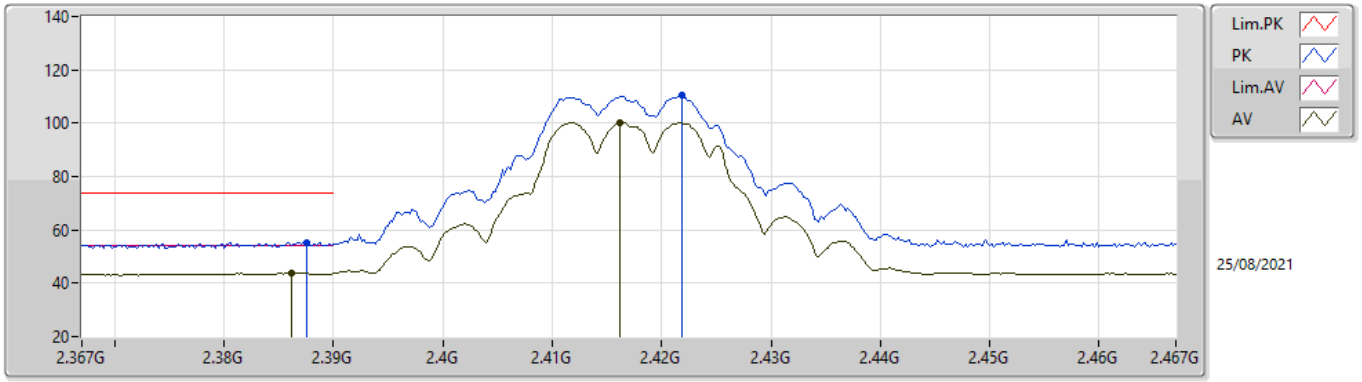


EUT Z_2TX
Setting 26
04-E-B-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	57.25	74.00	-16.75	26.57	3	Vertical	99	3.00	-	27.48	3.20	-
AV	2.39G	45.37	54.00	-8.63	14.69	3	Vertical	99	3.00	-	27.48	3.20	-
PK	2.4208G	114.76	Inf	-Inf	84.00	3	Vertical	99	3.00	-	27.54	3.22	-
AV	2.4204G	104.91	Inf	-Inf	74.15	3	Vertical	99	3.00	-	27.54	3.22	-

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

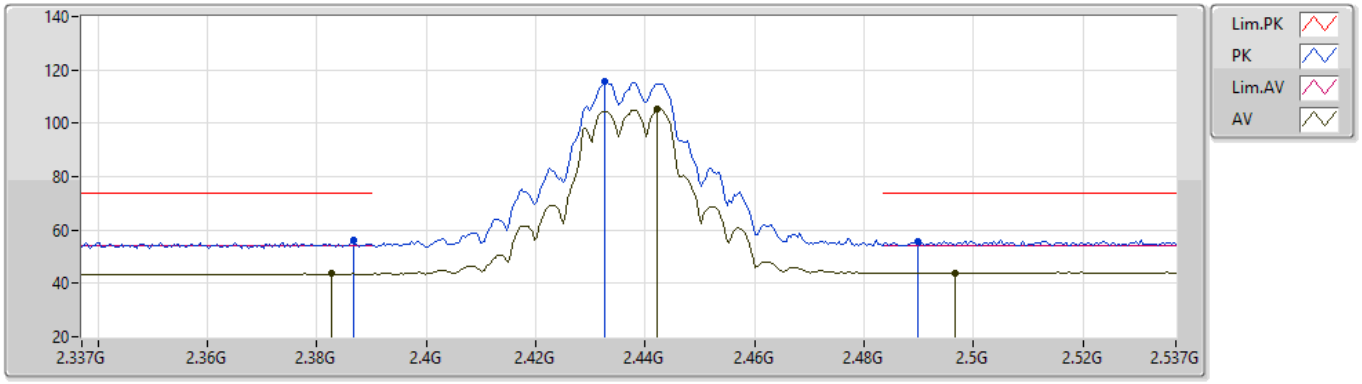


EUT Z_2TX
Setting 26
04-E-B-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3876G	55.31	74.00	-18.69	24.63	3	Horizontal	182	1.00	-	27.48	3.20	-
AV	2.3862G	43.82	54.00	-10.18	13.15	3	Horizontal	182	1.00	-	27.47	3.20	-
PK	2.4218G	110.37	Inf	-Inf	79.61	3	Horizontal	182	1.00	-	27.54	3.22	-
AV	2.4162G	100.24	Inf	-Inf	69.49	3	Horizontal	182	1.00	-	27.53	3.22	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

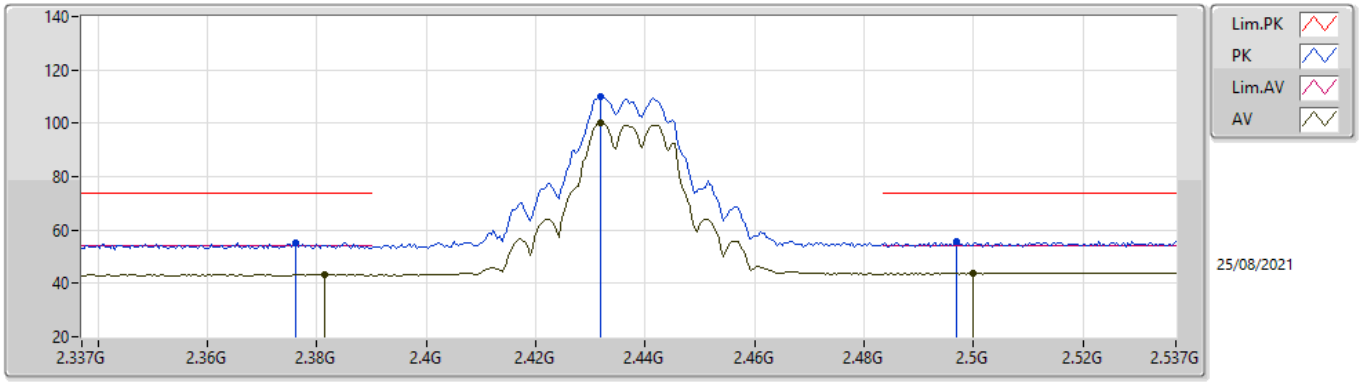


EUT Z_2TX
Setting 26
04-E-B-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3866G	55.95	74.00	-18.05	25.28	3	Vertical	13	3.00	-	27.47	3.20	-
AV	2.3826G	43.63	54.00	-10.37	12.96	3	Vertical	13	3.00	-	27.47	3.20	-
PK	2.4326G	115.77	Inf	-Inf	84.97	3	Vertical	13	3.00	-	27.57	3.23	-
AV	2.4422G	105.29	Inf	-Inf	74.47	3	Vertical	13	3.00	-	27.58	3.24	-
PK	2.4898G	55.55	74.00	-18.45	24.50	3	Vertical	13	3.00	-	27.76	3.29	-
AV	2.4966G	43.93	54.00	-10.07	12.84	3	Vertical	13	3.00	-	27.79	3.30	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

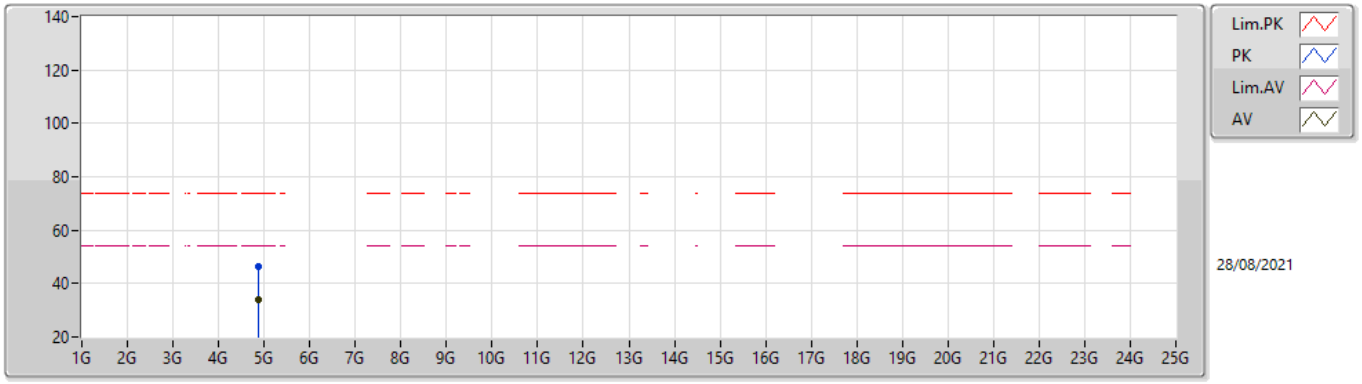


EUT Z_2TX
Setting 26
04-E-B-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3762G	55.23	74.00	-18.77	24.58	3	Horizontal	186	1.01	-	27.45	3.20	-
AV	2.3814G	43.25	54.00	-10.75	12.59	3	Horizontal	186	1.01	-	27.46	3.20	-
PK	2.4318G	110.15	Inf	-Inf	79.36	3	Horizontal	186	1.01	-	27.56	3.23	-
AV	2.4318G	100.42	Inf	-Inf	69.63	3	Horizontal	186	1.01	-	27.56	3.23	-
PK	2.497G	55.49	74.00	-18.51	24.40	3	Horizontal	186	1.01	-	27.79	3.30	-
AV	2.4998G	43.88	54.00	-10.12	12.78	3	Horizontal	186	1.01	-	27.80	3.30	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

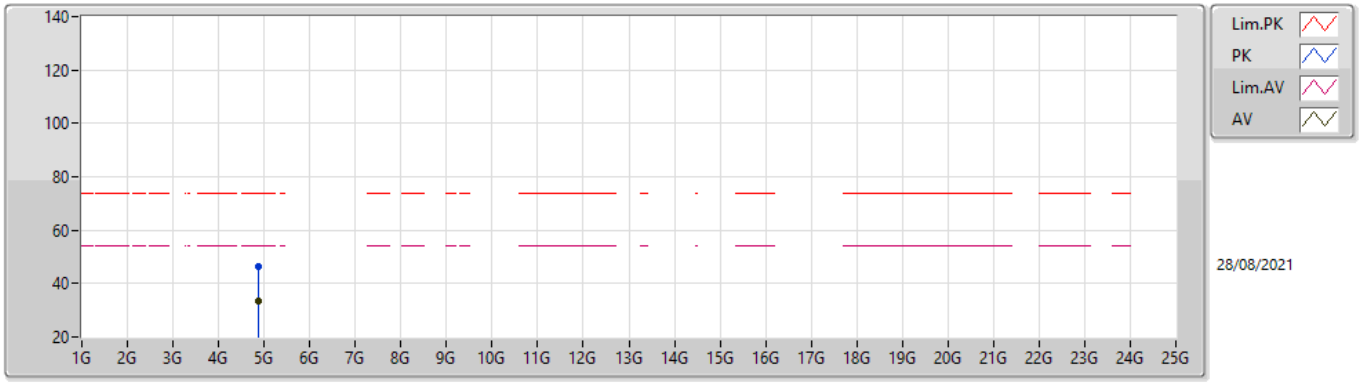


EUT Z_2TX
Setting 26
04-E-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87416G	46.34	74.00	-27.66	41.38	3	Vertical	176	2.12	-	32.75	5.44	33.23
AV	4.874G	33.72	54.00	-20.28	28.76	3	Vertical	176	2.12	-	32.75	5.44	33.23

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

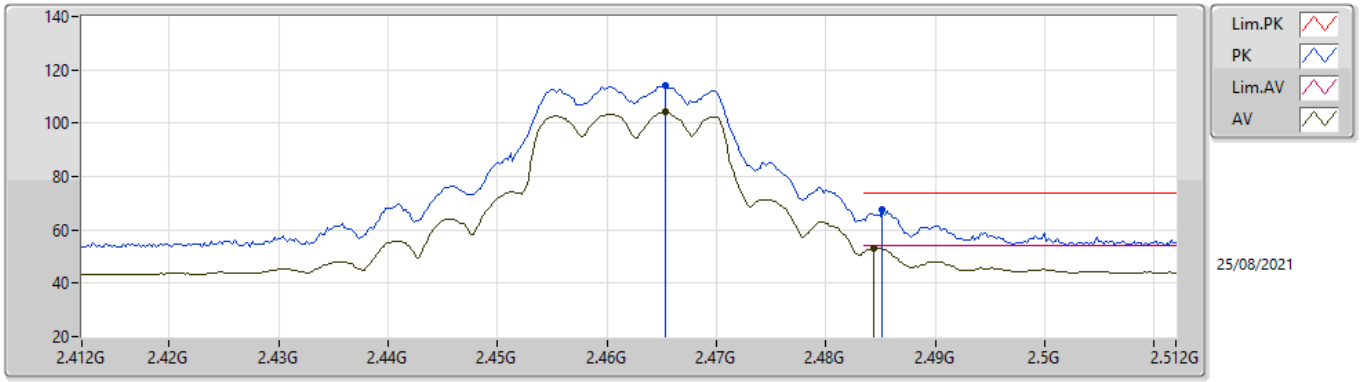


EUT Z_2TX
Setting 26
04-E-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87332G	46.49	74.00	-27.51	41.53	3	Horizontal	122	2.90	-	32.75	5.44	33.23
AV	4.87412G	33.66	54.00	-20.34	28.70	3	Horizontal	122	2.90	-	32.75	5.44	33.23

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

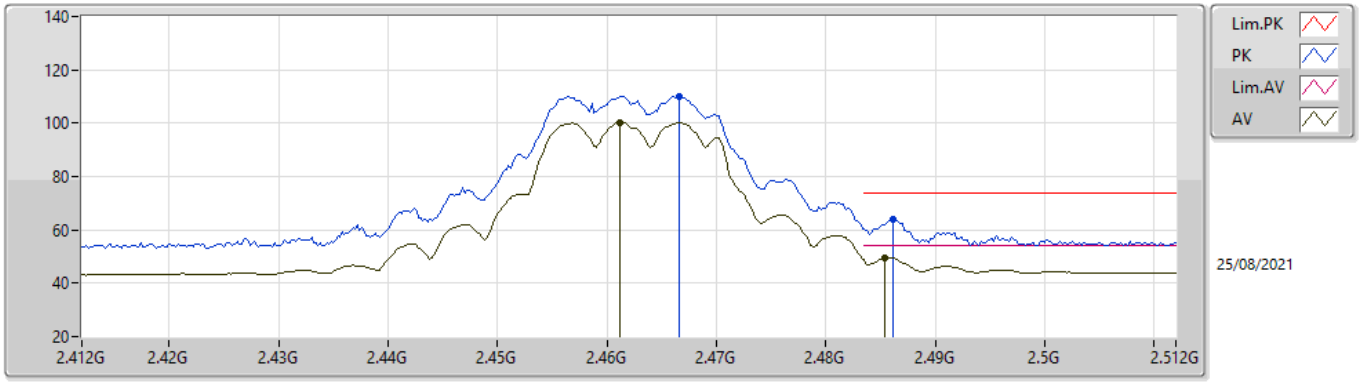


EUT Z_2TX
Setting 26
04-E-B-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4654G	114.13	Inf	-Inf	83.20	3	Vertical	89	2.32	-	27.66	3.27	-
AV	2.4654G	104.07	Inf	-Inf	73.14	3	Vertical	89	2.32	-	27.66	3.27	-
PK	2.4852G	67.42	74.00	-6.58	36.39	3	Vertical	89	2.32	-	27.74	3.29	-
AV	2.4844G	53.25	54.00	-0.75	22.23	3	Vertical	89	2.32	-	27.74	3.28	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

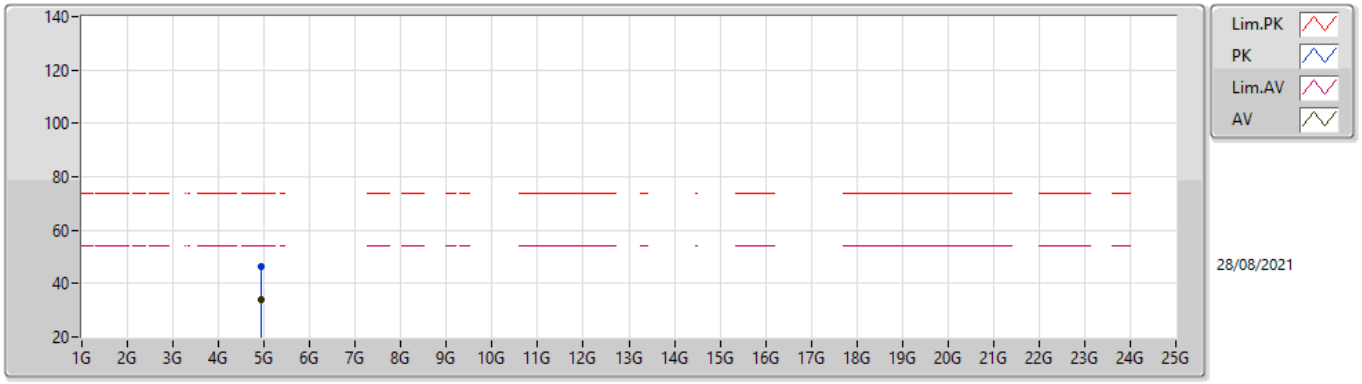


EUT Z_2TX
Setting 26
04-E-B-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4666G	110.14	Inf	-Inf	79.20	3	Horizontal	184	1.22	-	27.67	3.27	-
AV	2.4612G	100.36	Inf	-Inf	69.46	3	Horizontal	184	1.22	-	27.64	3.26	-
PK	2.4862G	63.90	74.00	-10.10	32.87	3	Horizontal	184	1.22	-	27.74	3.29	-
AV	2.4854G	49.42	54.00	-4.58	18.39	3	Horizontal	184	1.22	-	27.74	3.29	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

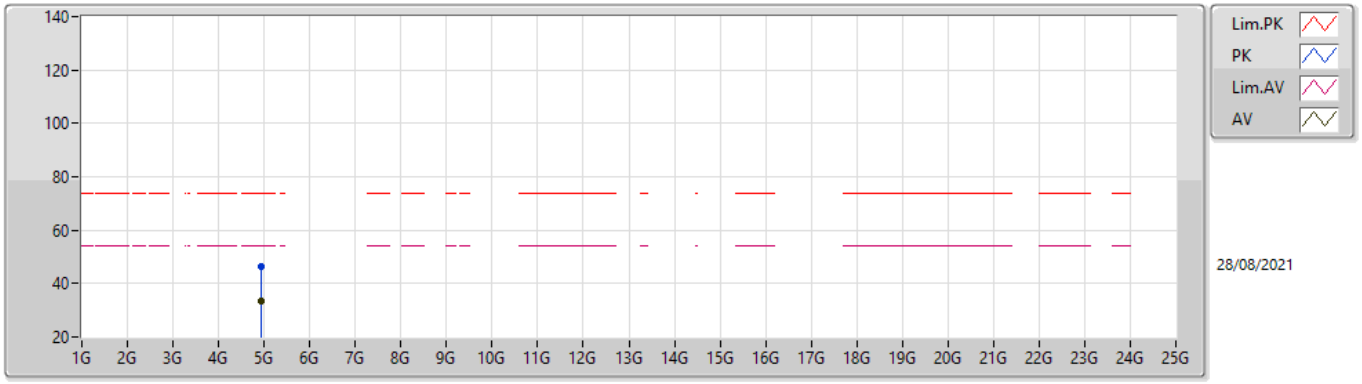


EUT Z_2TX
Setting 26
04-E-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.9244G	46.47	74.00	-27.53	41.31	3	Vertical	180	2.83	-	32.90	5.46	33.20
AV	4.92394G	33.94	54.00	-20.06	28.78	3	Vertical	180	2.83	-	32.90	5.46	33.20

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

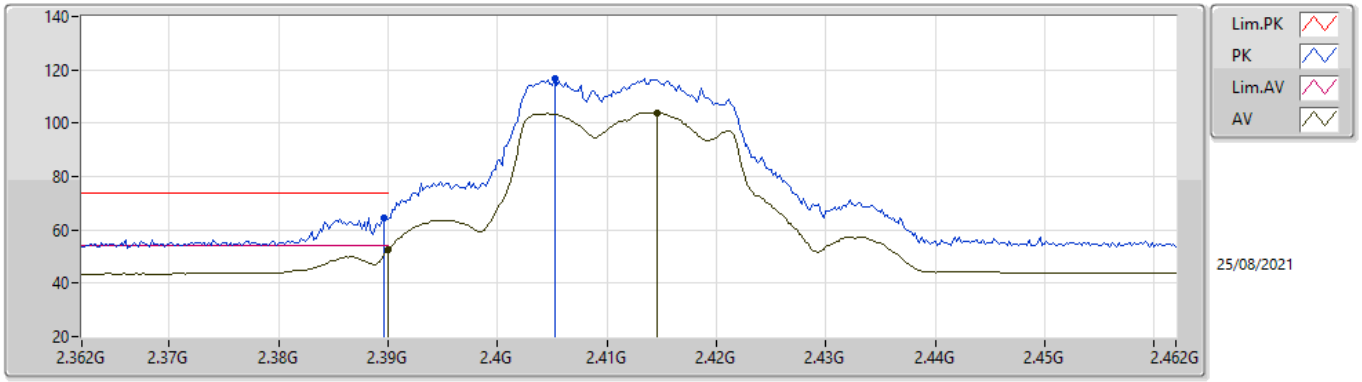


EUT Z_2TX
Setting 26
04-E-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.9242G	46.47	74.00	-27.53	41.31	3	Horizontal	172	2.90	-	32.90	5.46	33.20
AV	4.92412G	33.33	54.00	-20.67	28.17	3	Horizontal	172	2.90	-	32.90	5.46	33.20

802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

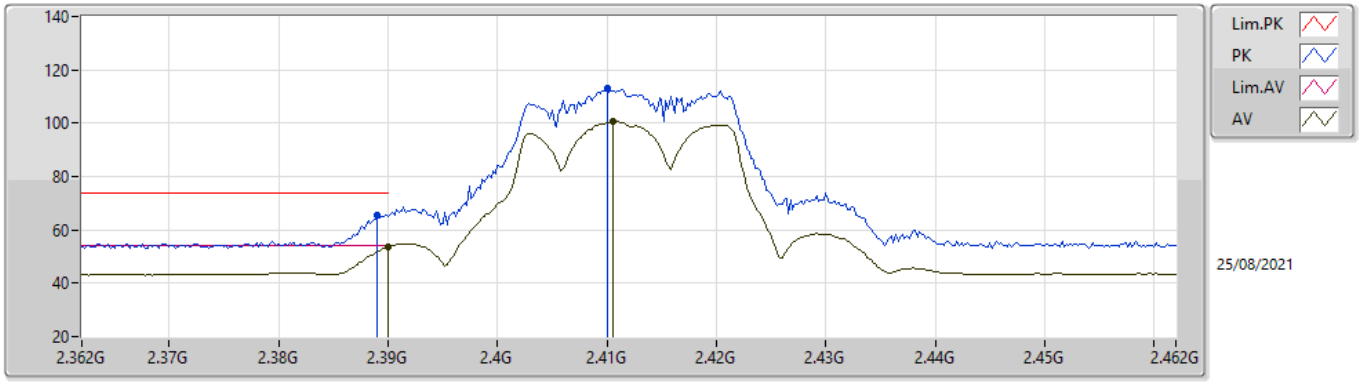


EUT Z_2TX
Setting 22
04-E-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3896G	64.60	74.00	-9.40	33.92	3	Vertical	310	3.00	-	27.48	3.20	-
AV	2.39G	52.44	54.00	-1.56	21.76	3	Vertical	310	3.00	-	27.48	3.20	-
PK	2.4052G	116.59	Inf	-Inf	85.87	3	Vertical	310	3.00	-	27.51	3.21	-
AV	2.4146G	103.97	Inf	-Inf	73.23	3	Vertical	310	3.00	-	27.53	3.21	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

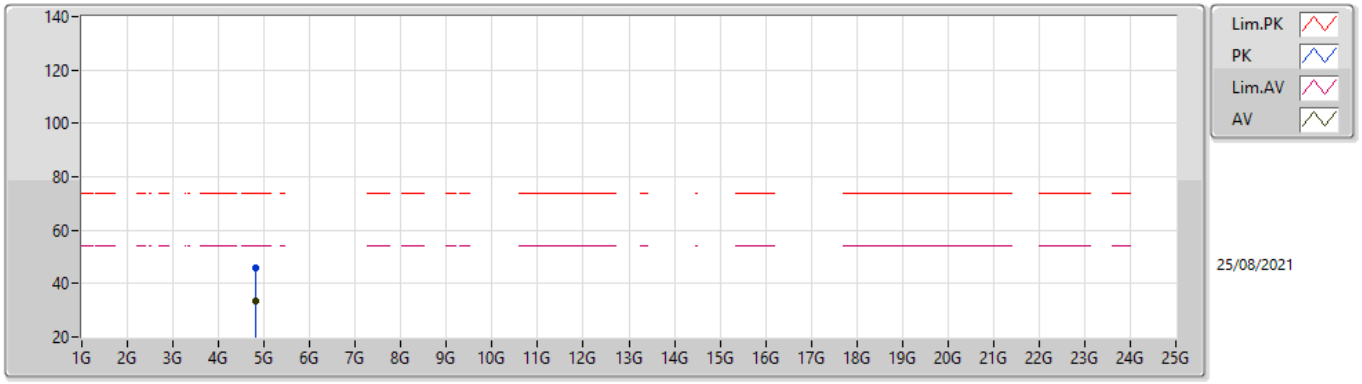


EUT Z_2TX
Setting 22
04-E-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.389G	65.54	74.00	-8.46	34.86	3	Horizontal	169	1.00	-	27.48	3.20	-
AV	2.39G	53.60	54.00	-0.40	22.92	3	Horizontal	169	1.00	-	27.48	3.20	-
PK	2.41G	112.88	Inf	-Inf	82.15	3	Horizontal	169	1.00	-	27.52	3.21	-
AV	2.4106G	100.78	Inf	-Inf	70.05	3	Horizontal	169	1.00	-	27.52	3.21	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

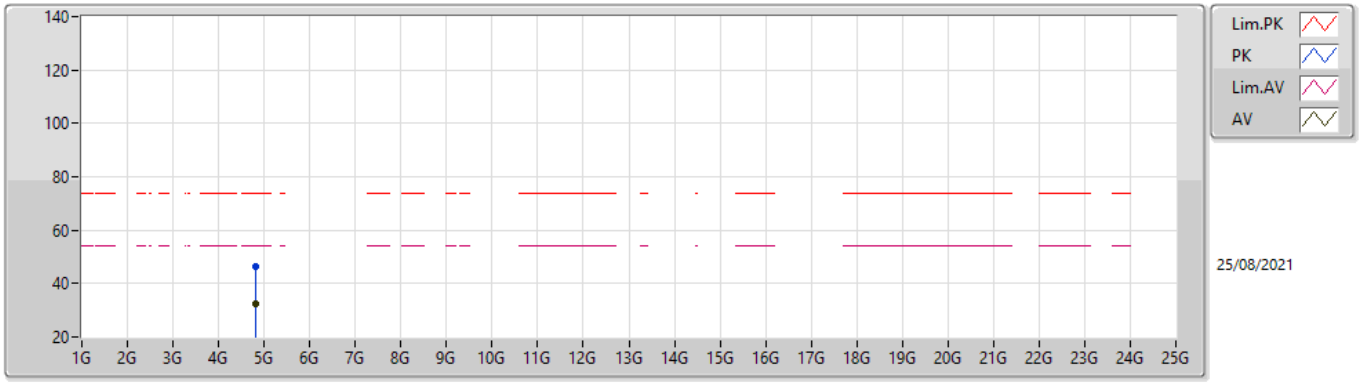


EUT Z_2TX
Setting 22
04-E-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.81914G	46.02	74.00	-27.98	41.35	3	Vertical	179	3.00	-	32.51	5.41	33.25
AV	4.82394G	33.54	54.00	-20.46	28.84	3	Vertical	179	3.00	-	32.54	5.41	33.25

802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

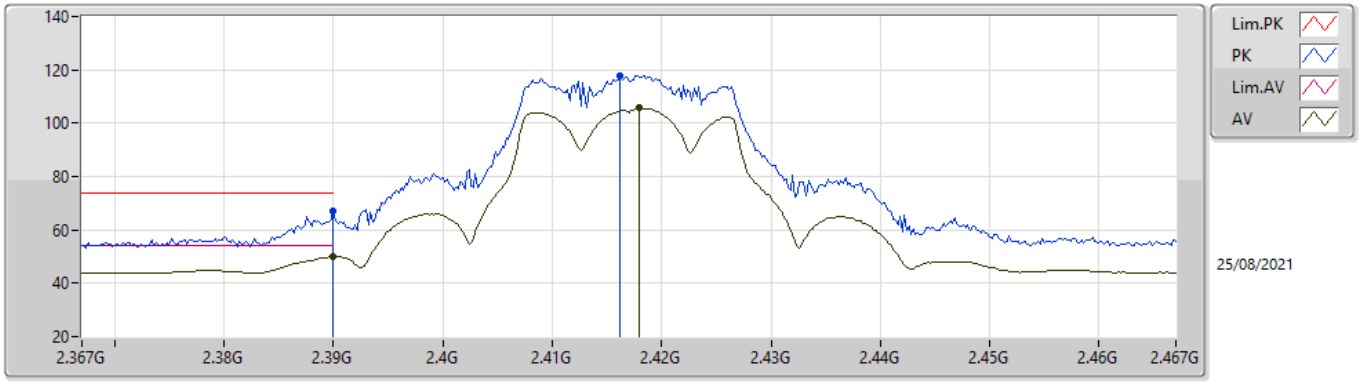


EUT Z_2TX
Setting 22
04-E-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82694G	46.28	74.00	-27.72	41.56	3	Horizontal	177	2.98	-	32.56	5.41	33.25
AV	4.82406G	32.62	54.00	-21.38	27.92	3	Horizontal	177	2.98	-	32.54	5.41	33.25

802.11ax HEW20_Nss1,(MCS0)_2TX

2417MHz_TX

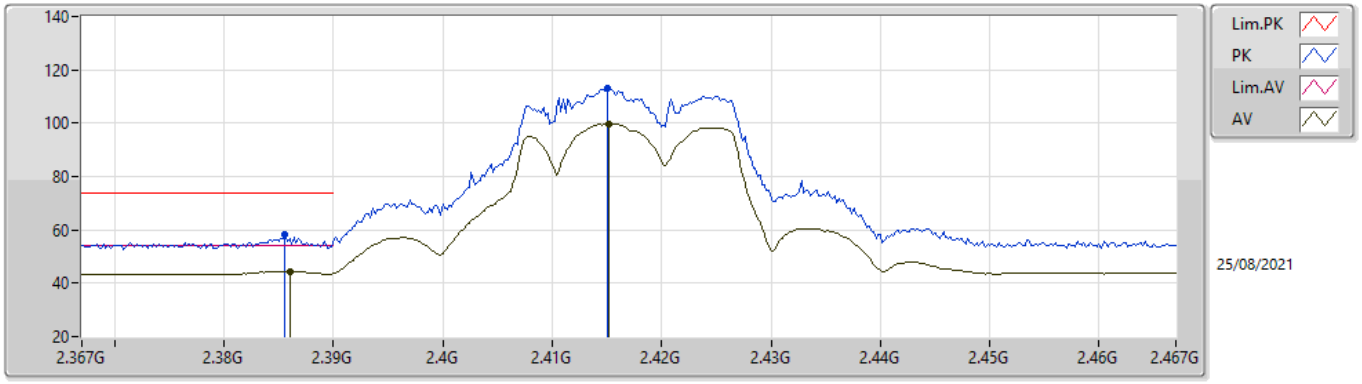


EUT Z_2TX
Setting 26
04-E-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	66.99	74.00	-7.01	36.31	3	Vertical	360	3.00	-	27.48	3.20	-
AV	2.39G	50.12	54.00	-3.88	19.44	3	Vertical	360	3.00	-	27.48	3.20	-
PK	2.4162G	117.72	Inf	-Inf	86.97	3	Vertical	360	3.00	-	27.53	3.22	-
AV	2.418G	105.64	Inf	-Inf	74.88	3	Vertical	360	3.00	-	27.54	3.22	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2417MHz_TX

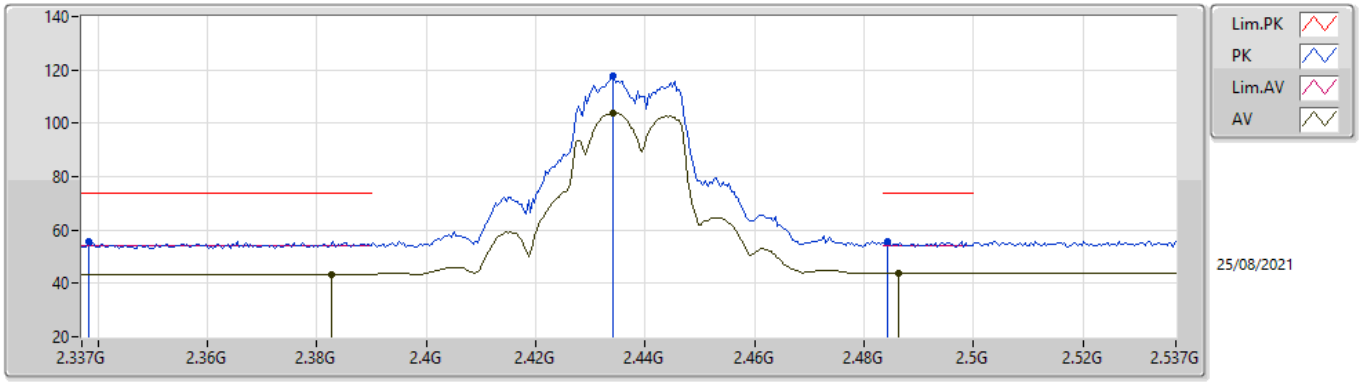


EUT Z_2TX
Setting 26
04-E-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA	
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)	
PK	2.3856G	58.06	74.00	-15.94	27.39	3	Horizontal	168	1.85	-	27.47	3.20	-	
AV	2.386G	44.49	54.00	-9.51	13.82	3	Horizontal	168	1.85	-	27.47	3.20	-	
PK	2.415G	113.07	Inf	-Inf	82.33	3	Horizontal	168	1.85	-	27.53	3.21	-	
AV	2.4152G	99.88	Inf	-Inf	69.13	3	Horizontal	168	1.85	-	27.53	3.22	-	

802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

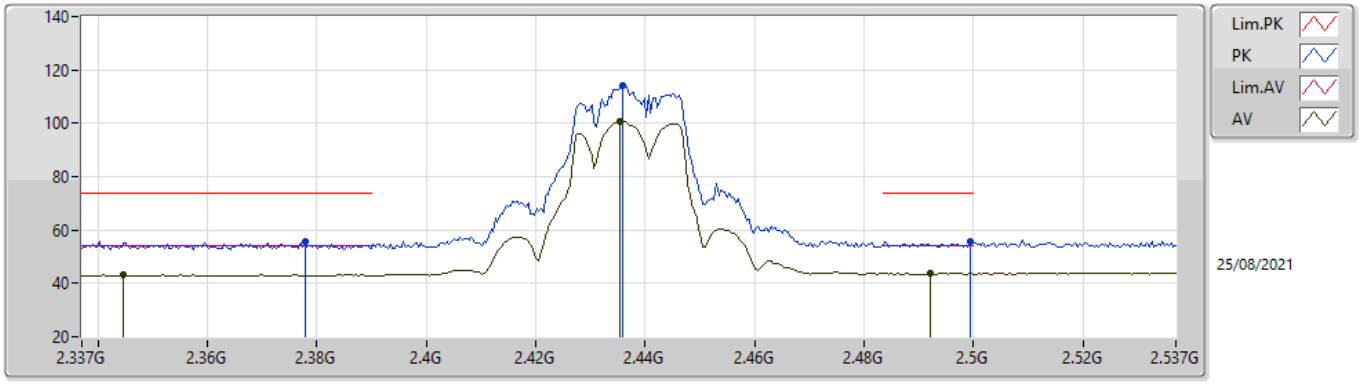


EUT Z_2TX
Setting 26
04-E-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3382G	55.91	74.00	-18.09	25.31	3	Vertical	98	2.35	-	27.40	3.20	-
AV	2.3826G	43.52	54.00	-10.48	12.85	3	Vertical	98	2.35	-	27.47	3.20	-
PK	2.4342G	117.60	Inf	-Inf	86.80	3	Vertical	98	2.35	-	27.57	3.23	-
AV	2.4342G	103.92	Inf	-Inf	73.12	3	Vertical	98	2.35	-	27.57	3.23	-
PK	2.4842G	55.85	74.00	-18.15	24.83	3	Vertical	98	2.35	-	27.74	3.28	-
AV	2.4862G	43.97	54.00	-10.03	12.94	3	Vertical	98	2.35	-	27.74	3.29	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

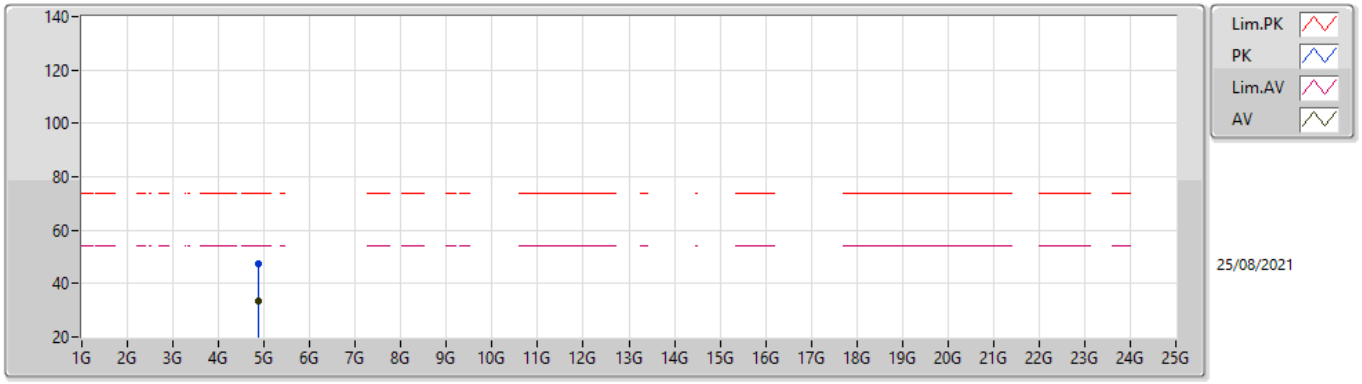


EUT Z_2TX
Setting 26
04-E-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3778G	55.59	74.00	-18.41	24.93	3	Horizontal	169	1.48	-	27.46	3.20	-
AV	2.3446G	43.14	54.00	-10.86	12.54	3	Horizontal	169	1.48	-	27.40	3.20	-
PK	2.4358G	114.12	Inf	-Inf	83.31	3	Horizontal	169	1.48	-	27.57	3.24	-
AV	2.4354G	100.87	Inf	-Inf	70.06	3	Horizontal	169	1.48	-	27.57	3.24	-
PK	2.4994G	55.59	74.00	-18.41	24.49	3	Horizontal	169	1.48	-	27.80	3.30	-
AV	2.4922G	43.64	54.00	-10.36	12.58	3	Horizontal	169	1.48	-	27.77	3.29	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

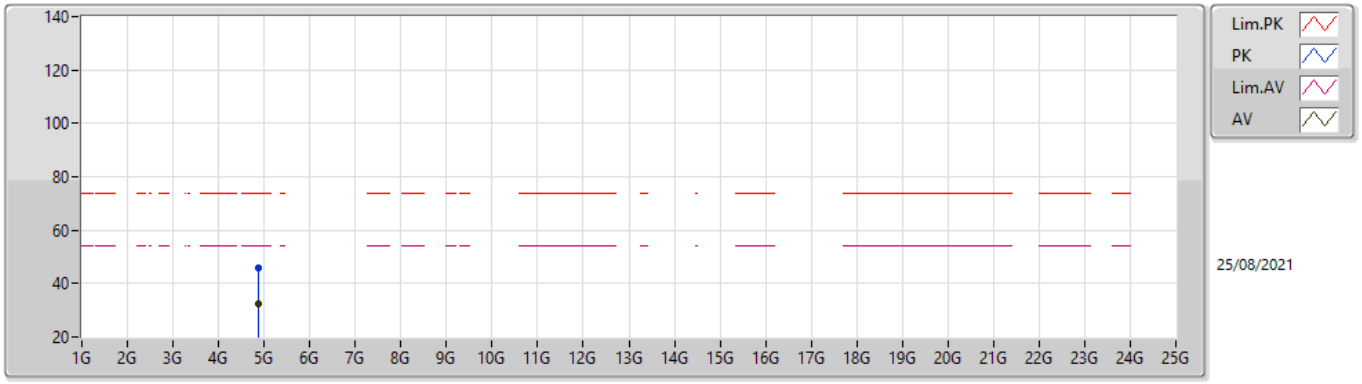


EUT Z_2TX
Setting 26
04-E-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87094G	47.35	74.00	-26.65	42.40	3	Vertical	178.1	2.41	-	32.74	5.44	33.23
AV	4.87388G	33.22	54.00	-20.78	28.26	3	Vertical	178.1	2.41	-	32.75	5.44	33.23

802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

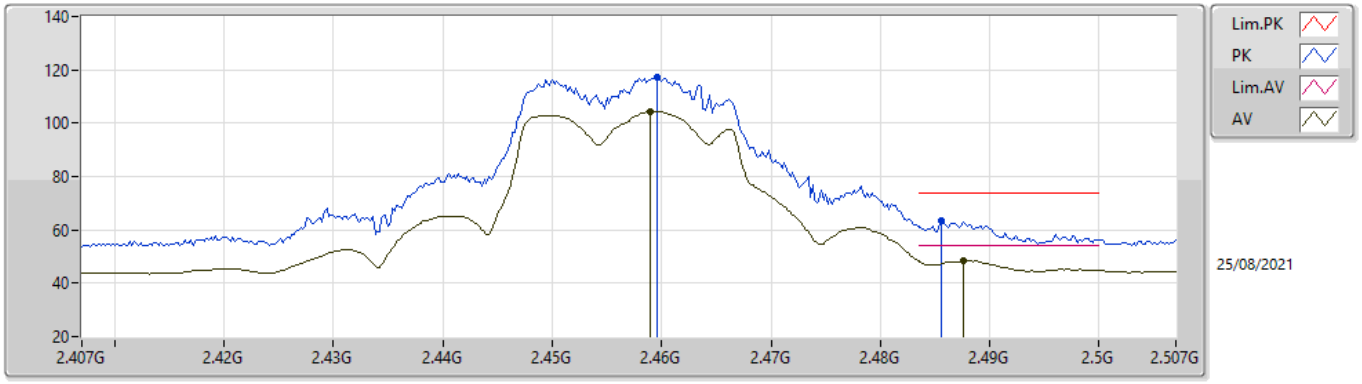


EUT Z_2TX
Setting 26
04-E-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.88684G	46.04	74.00	-27.96	41.05	3	Horizontal	259	2.12	-	32.77	5.44	33.22
AV	4.88366G	32.51	54.00	-21.49	27.52	3	Horizontal	259	2.12	-	32.77	5.44	33.22

802.11ax HEW20_Nss1,(MCS0)_2TX

2457MHz_TX

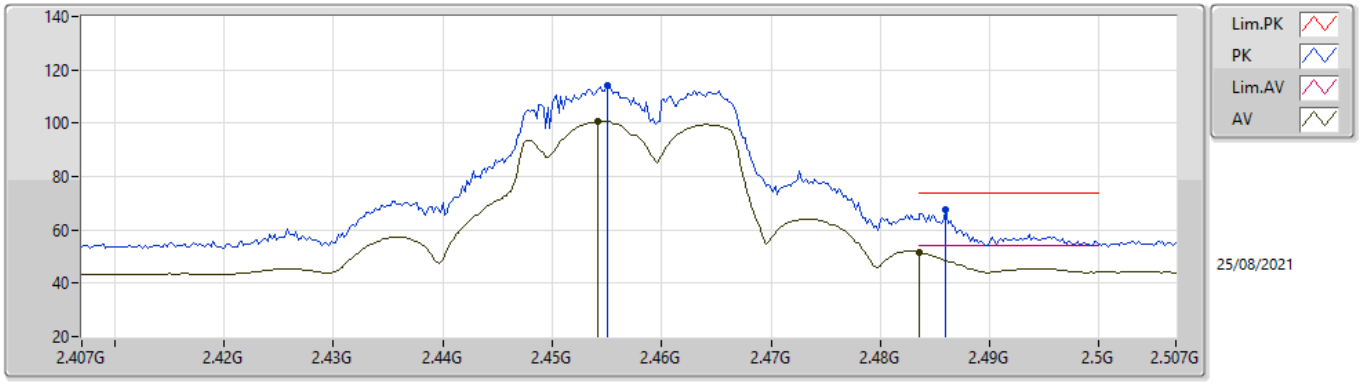


EUT Z_2TX
Setting 26
04-E-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4596G	117.38	Inf	-Inf	86.48	3	Vertical	161	2.88	-	27.64	3.26	-
AV	2.459G	104.49	Inf	-Inf	73.59	3	Vertical	161	2.88	-	27.64	3.26	-
PK	2.4856G	63.60	74.00	-10.40	32.57	3	Vertical	161	2.88	-	27.74	3.29	-
AV	2.4876G	48.40	54.00	-5.60	17.36	3	Vertical	161	2.88	-	27.75	3.29	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2457MHz_TX

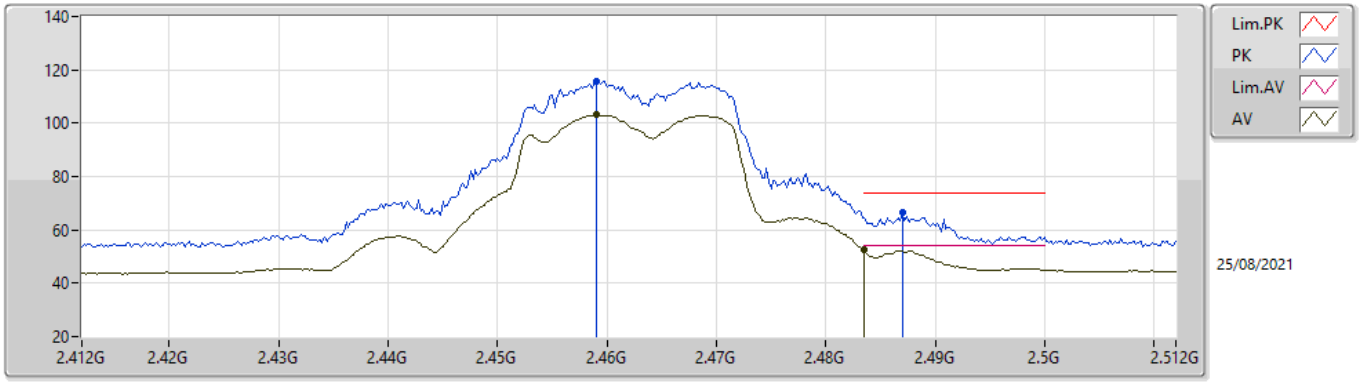


EUT Z_2TX
Setting 26
04-E-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA	
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)	
PK	2.455G	114.06	Inf	-Inf	83.18	3	Horizontal	178	2.24	-	27.62	3.26	-	
AV	2.4542G	100.57	Inf	-Inf	69.70	3	Horizontal	178	2.24	-	27.62	3.25	-	
PK	2.486G	67.72	74.00	-6.28	36.69	3	Horizontal	178	2.24	-	27.74	3.29	-	
AV	2.4835G	51.60	54.00	-2.40	20.59	3	Horizontal	178	2.24	-	27.73	3.28	-	

802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

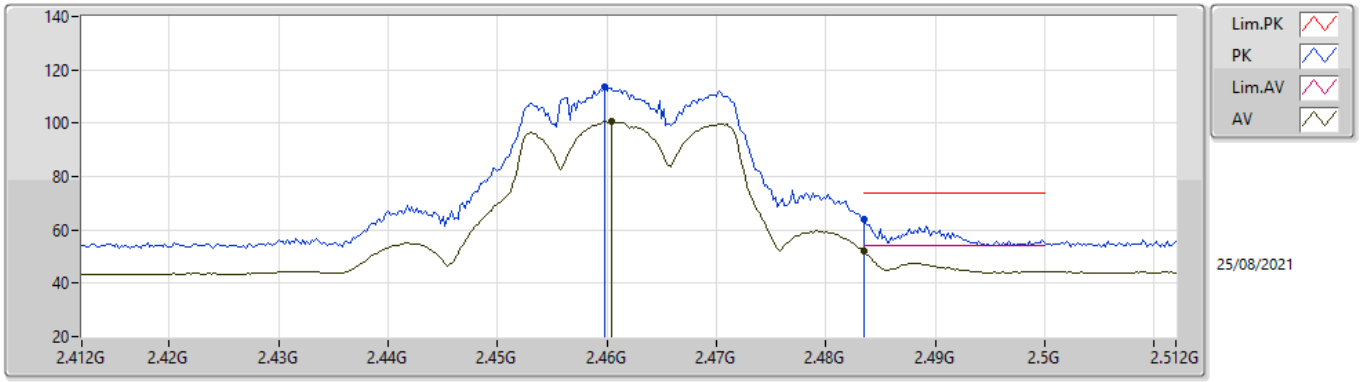


EUT Z_2TX
Setting 22
04-E-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA	
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)	
PK	2.459G	115.50	Inf	-Inf	84.60	3	Vertical	99	2.30	-	27.64	3.26	-	
AV	2.459G	103.14	Inf	-Inf	72.24	3	Vertical	99	2.30	-	27.64	3.26	-	
PK	2.487G	66.57	74.00	-7.43	35.53	3	Vertical	99	2.30	-	27.75	3.29	-	
AV	2.4835G	52.48	54.00	-1.52	21.47	3	Vertical	99	2.30	-	27.73	3.28	-	

802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

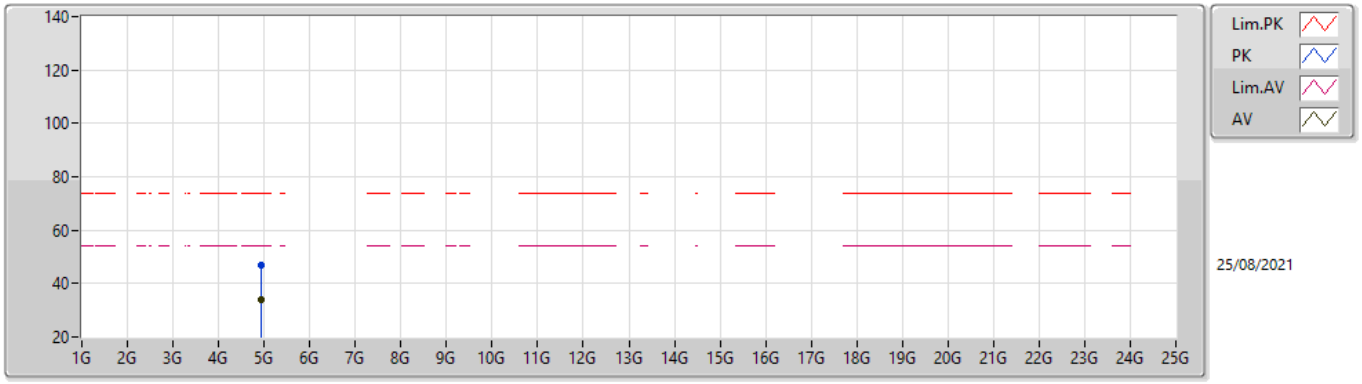


EUT Z_2TX
Setting 22
04-E-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4598G	113.46	Inf	-Inf	82.56	3	Horizontal	174	1.21	-	27.64	3.26	-
AV	2.4604G	100.70	Inf	-Inf	69.80	3	Horizontal	174	1.21	-	27.64	3.26	-
PK	2.4835G	63.87	74.00	-10.13	32.86	3	Horizontal	174	1.21	-	27.73	3.28	-
AV	2.4835G	52.04	54.00	-1.96	21.03	3	Horizontal	174	1.21	-	27.73	3.28	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

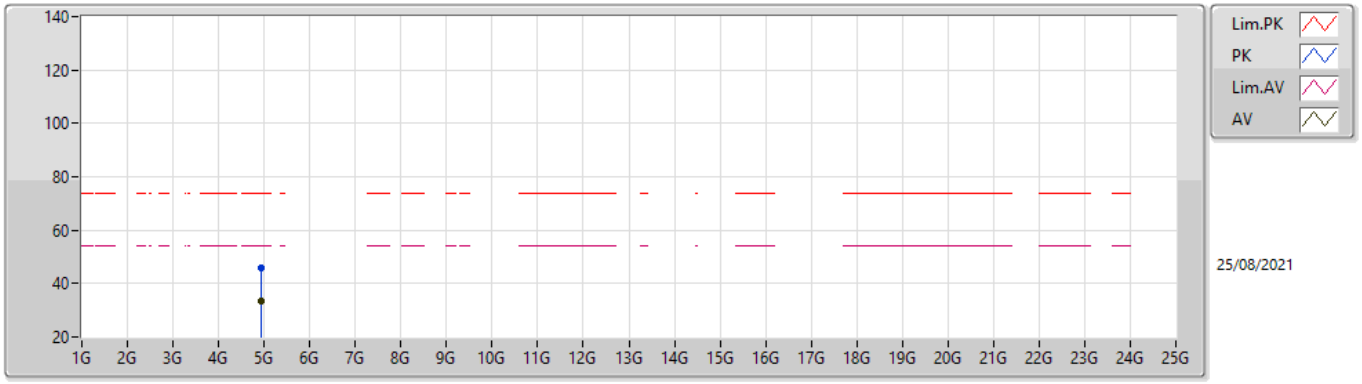


EUT Z_2TX
Setting 22
04-E-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.93228G	47.13	74.00	-26.87	41.93	3	Vertical	180.1	2.73	-	32.93	5.47	33.20
AV	4.92418G	33.96	54.00	-20.04	28.80	3	Vertical	180.1	2.73	-	32.90	5.46	33.20

802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

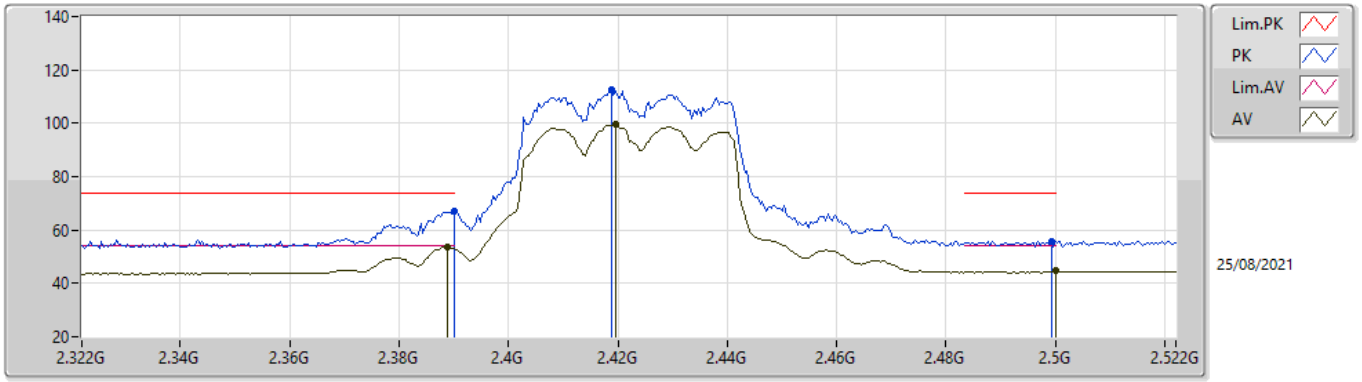


EUT Z_2TX
Setting 22
04-E-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92328G	45.96	74.00	-28.04	40.81	3	Horizontal	101	2.10	-	32.89	5.46	33.20
AV	4.9306G	33.23	54.00	-20.77	28.04	3	Horizontal	101	2.10	-	32.92	5.47	33.20

802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

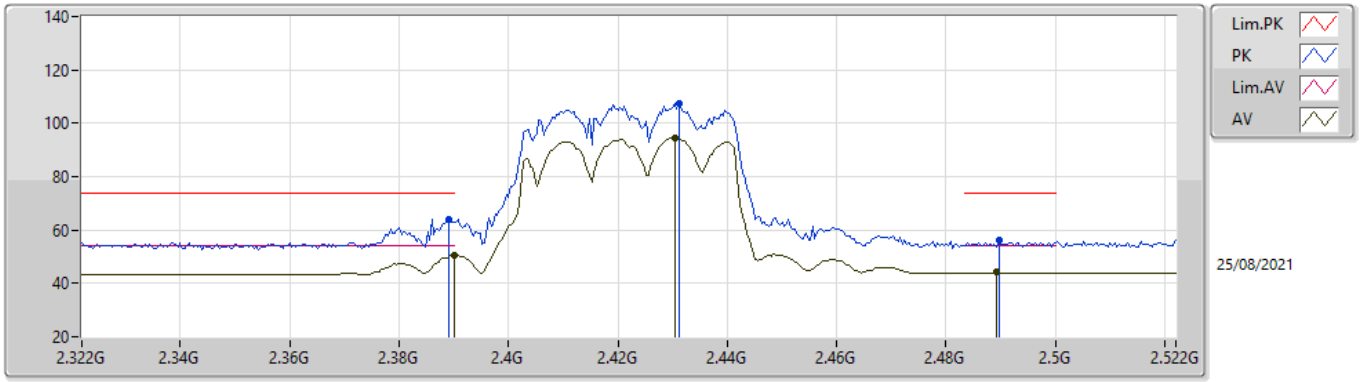


EUT Z_2TX
Setting 19.5
04-E-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	66.91	74.00	-7.09	36.23	3	Vertical	91	3.00	-	27.48	3.20	-
AV	2.3888G	53.72	54.00	-0.28	23.04	3	Vertical	91	3.00	-	27.48	3.20	-
PK	2.4188G	112.68	Inf	-Inf	81.92	3	Vertical	91	3.00	-	27.54	3.22	-
AV	2.4196G	99.42	Inf	-Inf	68.66	3	Vertical	91	3.00	-	27.54	3.22	-
PK	2.4992G	55.76	74.00	-18.24	24.66	3	Vertical	91	3.00	-	27.80	3.30	-
AV	2.5G	44.58	54.00	-9.42	13.48	3	Vertical	91	3.00	-	27.80	3.30	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

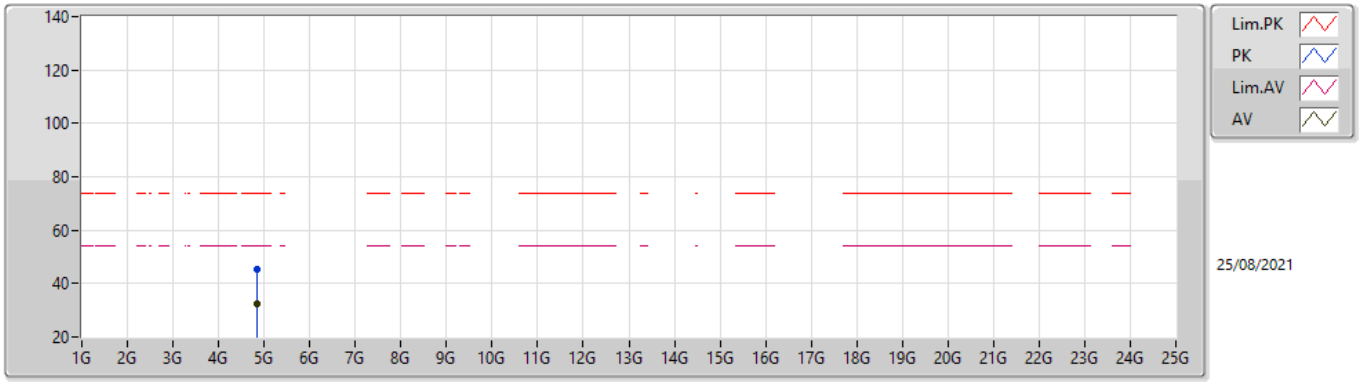


EUT Z_2TX
Setting 19.5
04-E-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3892G	64.14	74.00	-9.86	33.46	3	Horizontal	173	2.16	-	27.48	3.20	-
AV	2.39G	50.46	54.00	-3.54	19.78	3	Horizontal	173	2.16	-	27.48	3.20	-
PK	2.4312G	107.61	Inf	-Inf	76.82	3	Horizontal	173	2.16	-	27.56	3.23	-
AV	2.4304G	94.65	Inf	-Inf	63.86	3	Horizontal	173	2.16	-	27.56	3.23	-
PK	2.4896G	56.42	74.00	-17.58	25.37	3	Horizontal	173	2.16	-	27.76	3.29	-
AV	2.4892G	44.06	54.00	-9.94	13.01	3	Horizontal	173	2.16	-	27.76	3.29	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

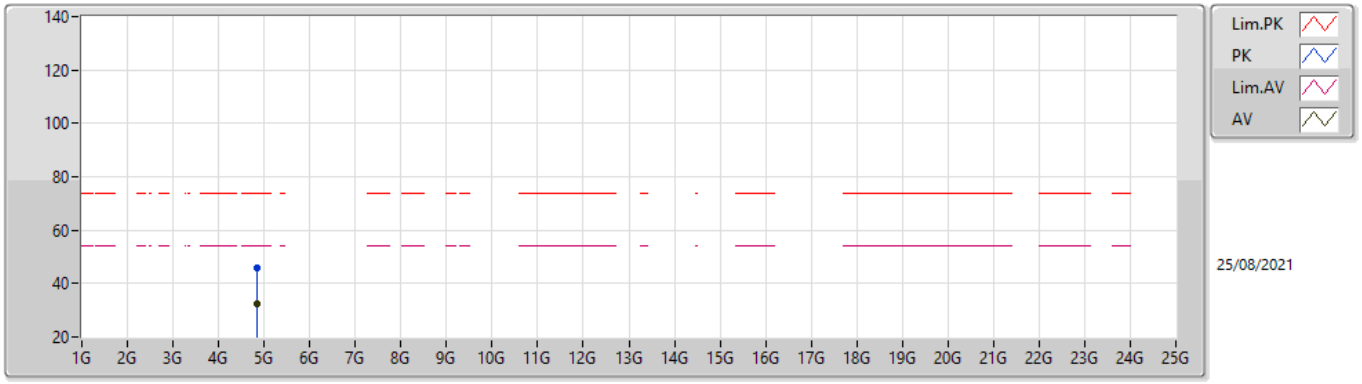


EUT Z_2TX
Setting 19.5
04-E-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.8536G	45.51	74.00	-28.49	40.61	3	Vertical	192	2.72	-	32.71	5.43	33.24
AV	4.8486G	32.61	54.00	-21.39	27.74	3	Vertical	192	2.72	-	32.69	5.42	33.24

802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

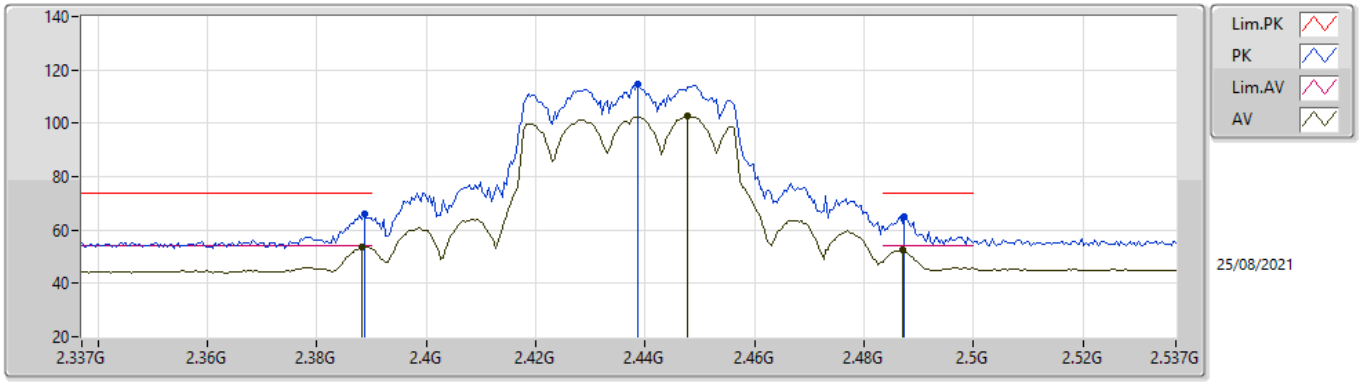


EUT Z_2TX
Setting 19.5
04-E-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.829G	45.78	74.00	-28.22	41.05	3	Horizontal	140	1.46	-	32.57	5.41	33.25
AV	4.8413G	32.55	54.00	-21.45	27.72	3	Horizontal	140	1.46	-	32.65	5.42	33.24

802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

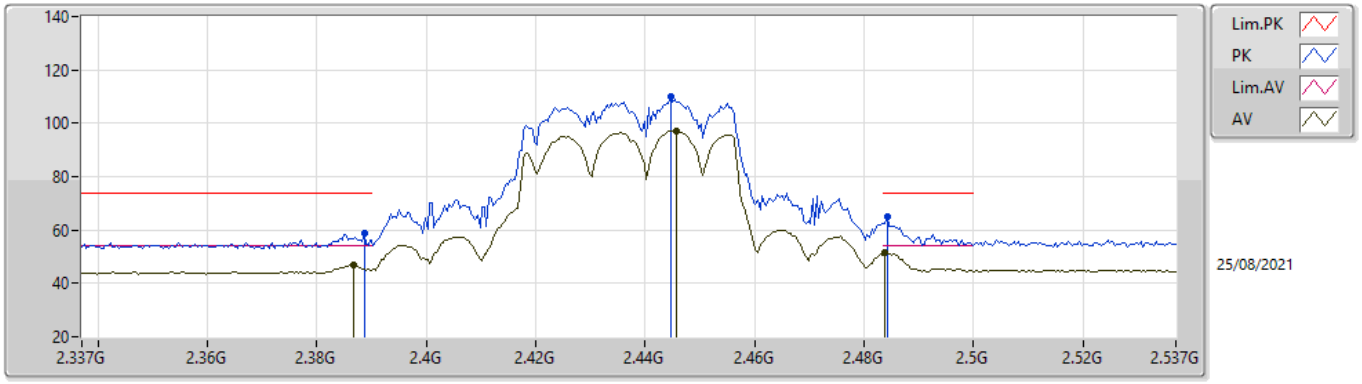


EUT Z_2TX
Setting 21.5
04-E-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3886G	66.04	74.00	-7.96	35.36	3	Vertical	7	3.00	-	27.48	3.20	-
AV	2.3882G	53.83	54.00	-0.17	23.15	3	Vertical	7	3.00	-	27.48	3.20	-
PK	2.4386G	114.79	Inf	-Inf	83.97	3	Vertical	7	3.00	-	27.58	3.24	-
AV	2.4478G	102.68	Inf	-Inf	71.83	3	Vertical	7	3.00	-	27.60	3.25	-
PK	2.4874G	65.00	74.00	-9.00	33.96	3	Vertical	7	3.00	-	27.75	3.29	-
AV	2.487G	52.66	54.00	-1.34	21.62	3	Vertical	7	3.00	-	27.75	3.29	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

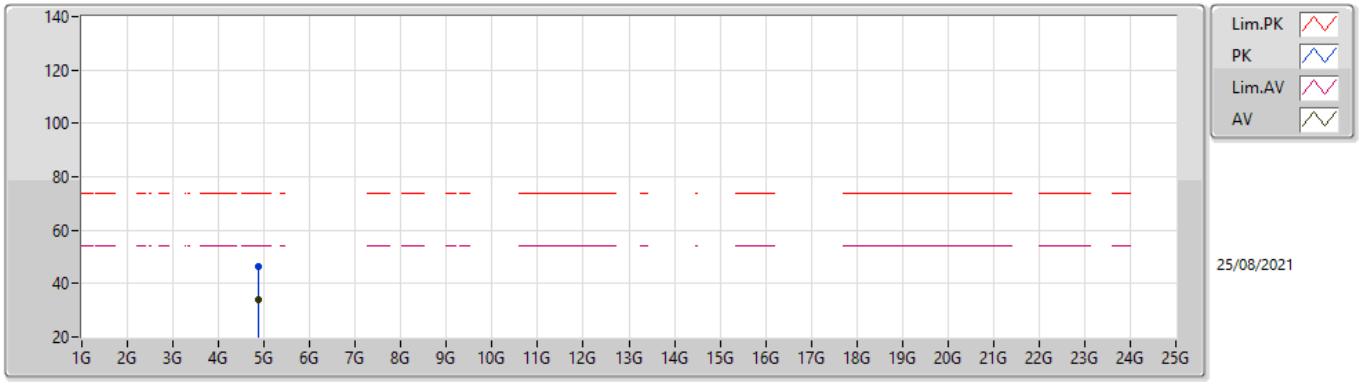


EUT Z_2TX
Setting 21.5
04-E-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3886G	58.97	74.00	-15.03	28.29	3	Horizontal	172	1.80	-	27.48	3.20	-
AV	2.3866G	46.71	54.00	-7.29	16.04	3	Horizontal	172	1.80	-	27.47	3.20	-
PK	2.4446G	109.86	Inf	-Inf	79.03	3	Horizontal	172	1.80	-	27.59	3.24	-
AV	2.4458G	97.32	Inf	-Inf	66.48	3	Horizontal	172	1.80	-	27.59	3.25	-
PK	2.4842G	64.88	74.00	-9.12	33.86	3	Horizontal	172	1.80	-	27.74	3.28	-
AV	2.4838G	51.34	54.00	-2.66	20.32	3	Horizontal	172	1.80	-	27.74	3.28	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

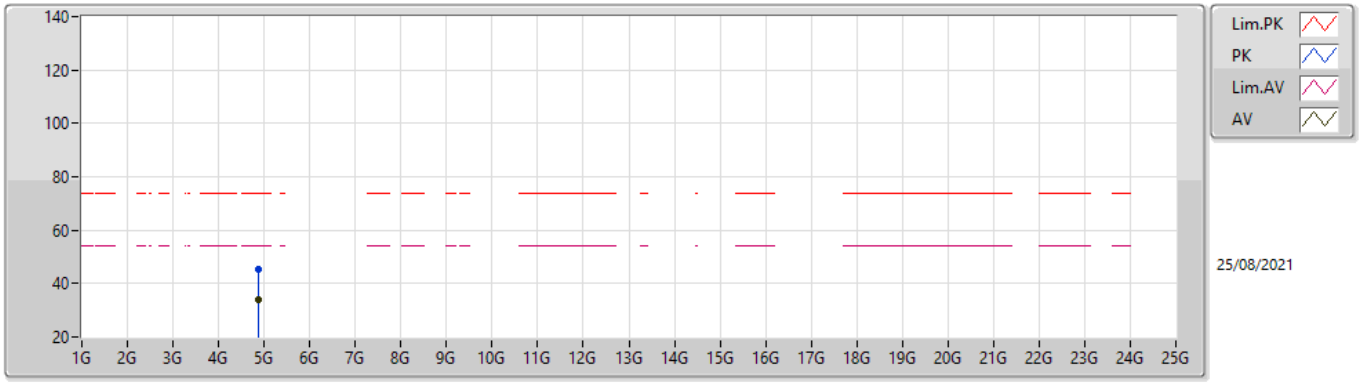


EUT Z_2TX
Setting 21.5
04-E-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.8862G	46.44	74.00	-27.56	41.45	3	Vertical	340	2.28	-	32.77	5.44	33.22
AV	4.8649G	33.85	54.00	-20.15	28.92	3	Vertical	340	2.28	-	32.73	5.43	33.23

802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

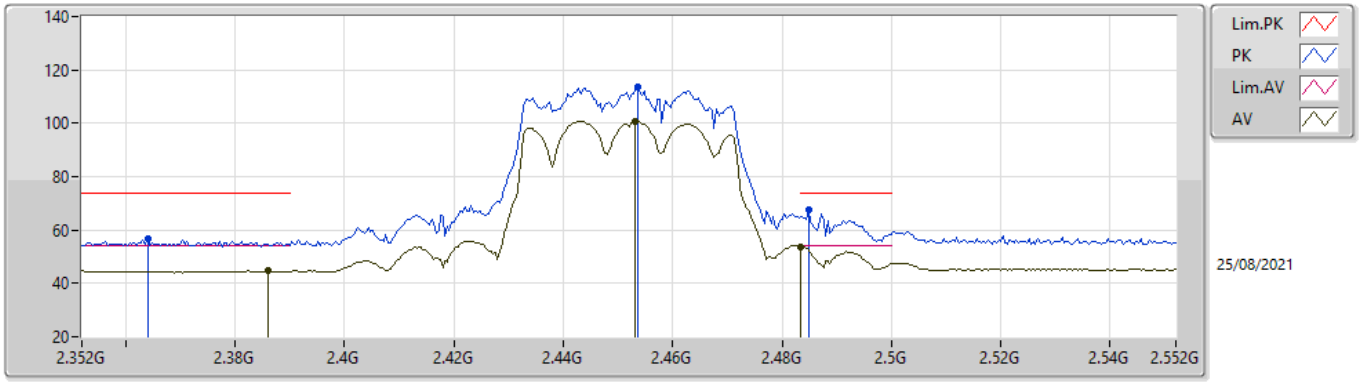


EUT Z_2TX
Setting 21.5
04-E-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.8703G	45.45	74.00	-28.55	40.50	3	Horizontal	358	1.88	-	32.74	5.44	33.23
AV	4.8854G	33.80	54.00	-20.20	28.81	3	Horizontal	358	1.88	-	32.77	5.44	33.22

802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX

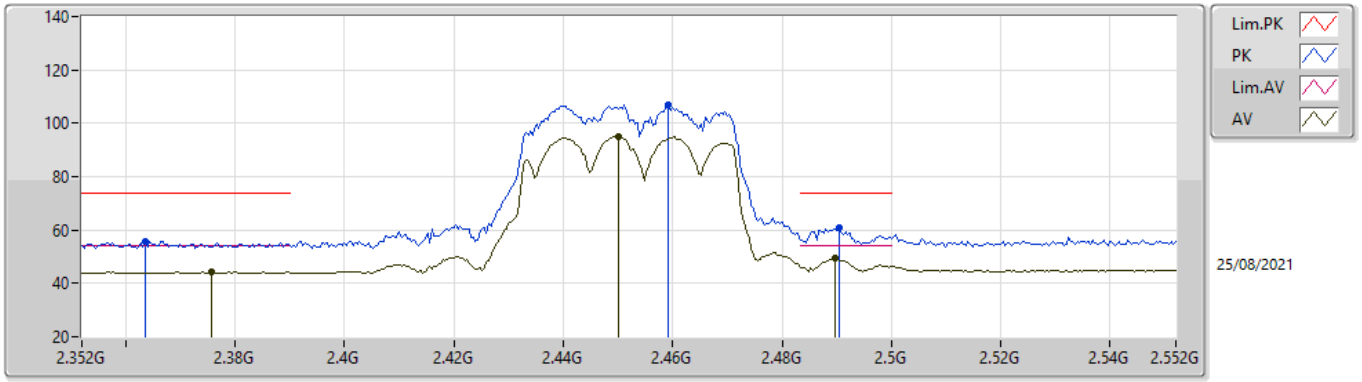


EUT Z_2TX
Setting 19
04-E-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.364G	56.59	74.00	-17.41	25.96	3	Vertical	8	3.00	-	27.43	3.20	-
AV	2.386G	44.76	54.00	-9.24	14.09	3	Vertical	8	3.00	-	27.47	3.20	-
PK	2.4536G	113.46	Inf	-Inf	82.60	3	Vertical	8	3.00	-	27.61	3.25	-
AV	2.4532G	100.84	Inf	-Inf	69.98	3	Vertical	8	3.00	-	27.61	3.25	-
PK	2.4848G	67.50	74.00	-6.50	36.48	3	Vertical	8	3.00	-	27.74	3.28	-
AV	2.4835G	53.61	54.00	-0.39	22.60	3	Vertical	8	3.00	-	27.73	3.28	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX

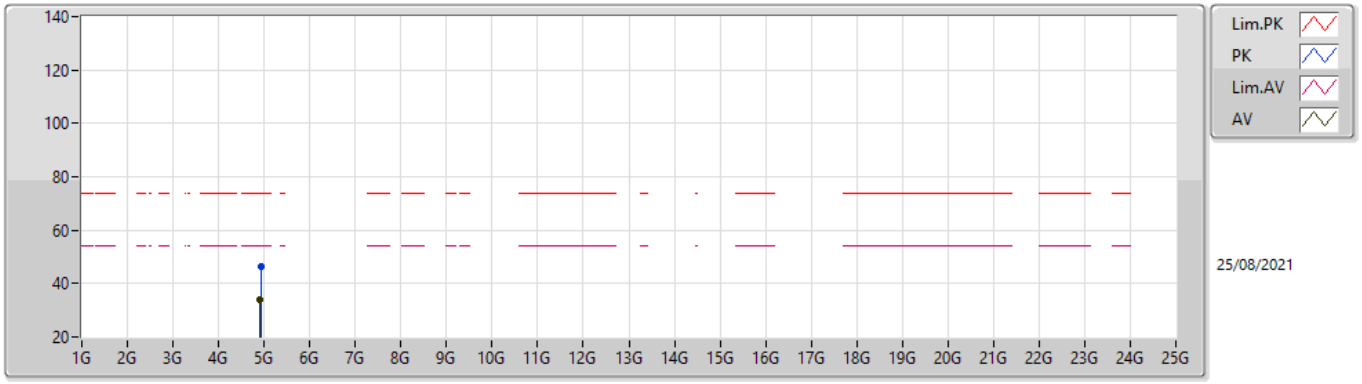


EUT Z_2TX
Setting 19
04-E-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3636G	55.73	74.00	-18.27	25.10	3	Horizontal	6	2.86	-	27.43	3.20	-
AV	2.3756G	44.37	54.00	-9.63	13.72	3	Horizontal	6	2.86	-	27.45	3.20	-
PK	2.4592G	107.06	Inf	-Inf	76.16	3	Horizontal	6	2.86	-	27.64	3.26	-
AV	2.45G	95.05	Inf	-Inf	64.20	3	Horizontal	6	2.86	-	27.60	3.25	-
PK	2.4904G	60.74	74.00	-13.26	29.69	3	Horizontal	6	2.86	-	27.76	3.29	-
AV	2.4896G	49.32	54.00	-4.68	18.27	3	Horizontal	6	2.86	-	27.76	3.29	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX

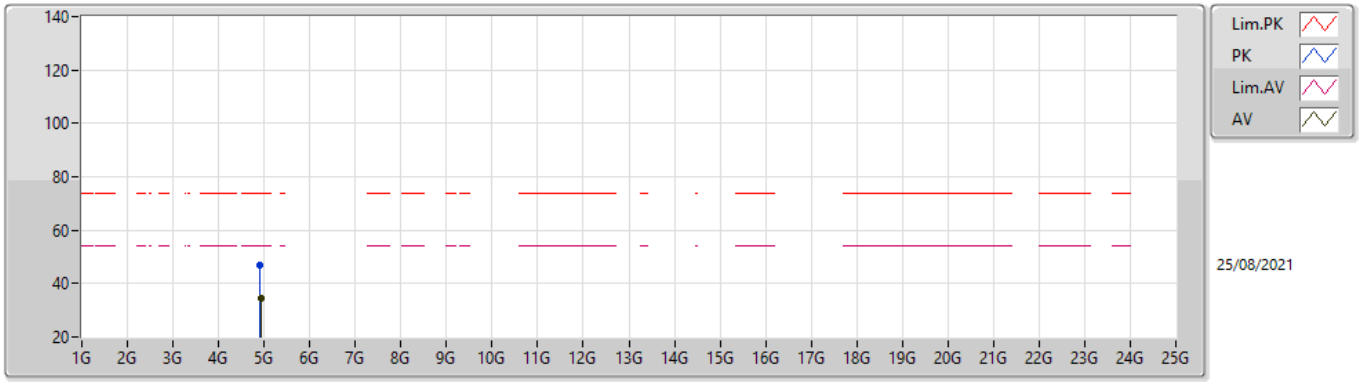


EUT Z_2TX
Setting 19
04-E-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.9282G	46.28	74.00	-27.72	41.11	3	Vertical	8	2.16	-	32.91	5.46	33.20
AV	4.8942G	34.04	54.00	-19.96	29.02	3	Vertical	8	2.16	-	32.79	5.45	33.22

802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX



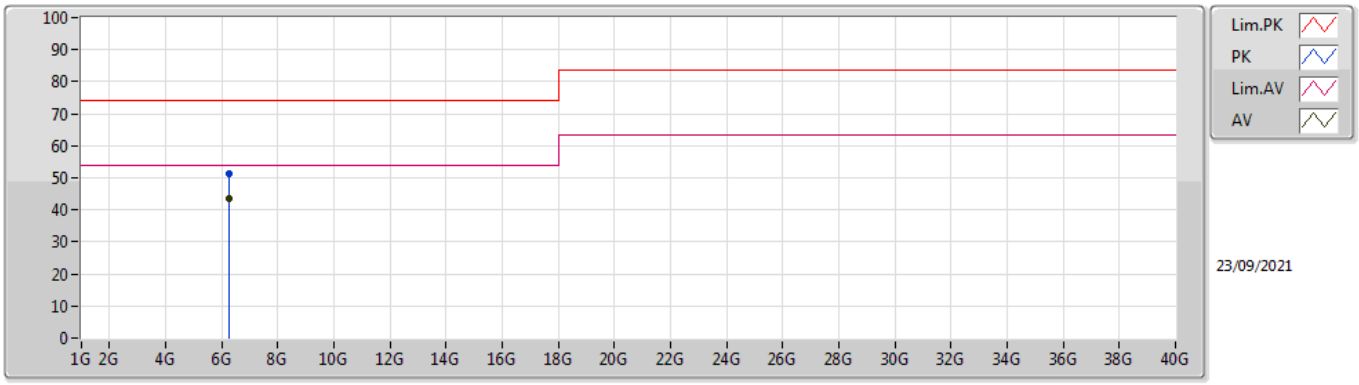
EUT Z_2TX
Setting 19
04-E-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.908G	46.69	74.00	-27.31	41.62	3	Horizontal	87	2.83	-	32.83	5.45	33.21
AV	4.9264G	34.37	54.00	-19.63	29.20	3	Horizontal	87	2.83	-	32.91	5.46	33.20

Summary

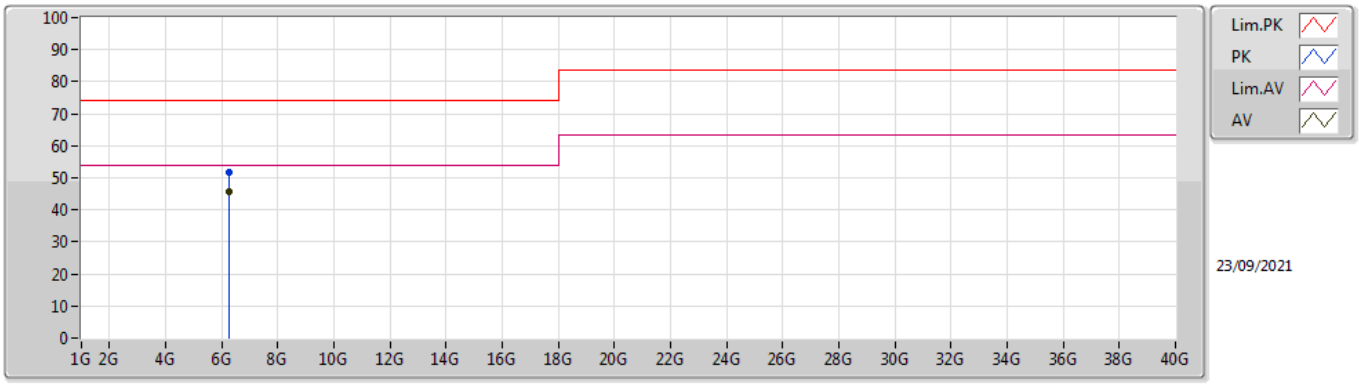
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	6.24988G	45.66	54.00	-8.34	Horizontal

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	6.25005G	51.23	74.00	-22.77	5.30	3	Vertical	13	1.31	-	45.93	33.10	7.30	35.10
AV	6.24993G	43.52	54.00	-10.48	5.30	3	Vertical	12	1.31	"Worst"	38.22	33.10	7.30	35.10

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	6.24997G	51.78	74.00	-22.22	5.30	3	Horizontal	340	1.71	-	46.48	33.10	7.30	35.10
AV	6.24988G	45.66	54.00	-8.34	5.30	3	Horizontal	338	1.71	"Worst"	40.36	33.10	7.30	35.10