RADIO TEST REPORT

FCC ID	:	**MSQ-RTAXE5H00**
Equipment	:	**Wireless-AXE7800 Tri-band Gigabit Router**
Brand Name	:	**ASUS**
Model Name	:	**RT-AXE7800**
Applicant	:	**ASUSTeK COMPUTER INC.** **1F., No. 15, Lide Rd., Beitou, Taipei City 112, Taiwan**
Manufacturer (1)	:	**Compal Networking(KunShan) CO., LTD** **No.520,Nan Bang RD., Economic & Technical Development Zone, KunShan,JiangSu,China**
Manufacturer (2)	:	**ARCADYAN TECHNOLOGY (VIETNAM) CO., LTD.** **Land plot No. D4-5-6, Thang Long Industrial Park (Vinh Phuc), Thien Ke Commune, Binh Xuyen District, Vinh Phuc Province, Vietnam**
Manufacturer (3)	:	**ASKEY COMPUTER CORP** **10F,No.119, JIANKANG RO., ZHONGHE DIST., NEW TAIPEI CITY 23585, TAIWAN, R.O.C.**
Standard	:	**47 CFR FCC Part 15.247**

The product was received on Jan. 24, 2022, and testing was started from Feb. 14, 2022 and completed on Jun. 10, 2022. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Approved by: Sam Chen

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

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History of this test report

Report No.	Version	Description	Issued Date
FR212407AA	01	Initial issue of report	Jun. 17, 2022

Summary of Test Result

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

Declaration of Conformity:

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

Comments and Explanations:

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: Sandy Chuang

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, 1024QAM 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 Name	Model Name	Antenna Type	Connector	Gain (dBi)
	WLAN 2.4GHz	WLAN 5GHz UNII1~UNII3	WLAN 6GHz UNII4 5-8					
1	2	-	2	INPAQ	RFDPA112110IMLB701	Dipole	I-PEX	Note1
2	1	-	1	INPAQ	RFDPA112116IMLB701	Dipole	I-PEX	
3	-	3	-	INPAQ	RFDPA112124IM5B701	Dipole	I-PEX	
4	-	2	-	INPAQ	RFDPA112110IM5B701	Dipole	I-PEX	
5	-	1	-	INPAQ	RFDPA112104IM5B701	Dipole	I-PEX	
6	-	4	-	INPAQ	RFDPA112118IM5B701	Dipole	I-PEX	

Note1:

<For WLAN 2.4G and 6GHz UNII4>

Ant.	Port		Gain (dBi)	
	WLAN 2.4GHz	WLAN 6GHz	WLAN 2.4GHz	WLAN 6GHz
1	2	2	2.047	2.416
2	1	1	1.602	2.291

Note 2: The above information was declared by manufacturer.

Note 3: The directional gain is measured which follows the procedure of KDB 662911 D01.

Directional gain information

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

Ex.

Directional Gain (NSS1) formula : $Directiona\ lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$

NSS1(g1,1) = $10^{G1/20}$; NSS1(g1,2)= $10^{G2/20}$; NSS1(g1,2)= $10^{G3/20}$; NSS1(g1,2)= $10^{G4/20}$

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

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

Where ;

2.4G G1 = 2.047 dBi ; G2 = 1.602 dBi ; 2T1S DG=4.838 dBi ; 2T2S DG=1.830 dBi

<For WLAN 5G UNII1~UNII3>

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.

Freq. Band (Hz)	UNII 1	UNII 2A	UNII2C	UNII3
Ant. 3 Max Gain (dBi)	2.34	1.62	2.93	2.31
Ant. 4 Max Gain (dBi)	2.21	1.46	1.58	2.44
Ant. 5 Max Gain (dBi)	1.67	2.02	1.66	2.18
Ant. 3 Max Gain (dBi)	2.06	1.75	2.15	1.85
DG [1SS] (dBi)	6.93	6.57	6.55	6.8
DG [2SS] (dBi)	3.93	3.57	3.55	3.8
DG [4SS] (dBi)	2.34	2.02	2.93	2.44

<For WLAN 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 WLAN 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 WLAN 6GHz function>

For IEEE 802.11ax (2TX/2RX):

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

<Non-beamforming mode>

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.993	0.03	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.992	0.03	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW20	0.99	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40	0.992	0.03	n/a (DC>=0.98)	n/a (DC>=0.98)

<beamforming mode>

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20-BF	0.98	0.09	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40-BF	0.977	0.1	4.37m	300

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

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for 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	Conducted: accessMtool 3.2.1.1 Radiated: <Non-beamforming mode> accessMtool 3.2.1.1 <Beamforming mode> DOS [ver 6.1.7601]、LanTest20(version 2.0.0.2)			

Note: The above information was declared by manufacturer.

1.1.5 Table for EUT Supports Function

Function	Support Type	Remark
AP Router	Master	Support 2.4GHz/5GHz/6GHz
Bridge	Slave without radar detection	Support 2.4GHz/5GHz
Repeater	Master	Support 2.4GHz/5GHz
Mesh	Master	Support 2.4GHz/5GHz/6GHz

Note 1: From the above, after evaluating, AP Router was selected to test and record in the report.
Note 2: The above information was declared by manufacturer.

1.2 Applicable Standards

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

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

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

- FCC KDB 558074 D01 v05r02
- FCC KDB 662911 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	Owen Hsu	24.5~24.6 / 60~63	Mar. 15, 2022~ Apr. 13, 2022
Radiated <Below 1GHz>	03CH03-CB	Eason Chen	24.2-26.1 / 55-58	Feb. 14, 2022~ Apr. 28, 2022
Radiated >1GHz <Co-location>	03CH04-CB	Eason Chen	24.5-25.6 / 57-60	Jun. 10, 2022
Radiated <Above 1GHz>	03CH06-CB	Eason Chen	23.5-24.6 / 55-59	Feb. 14, 2022~ Apr. 28, 2022
AC Conduction	CO01-CB	Joe Chu	20~22 / 60~62	Feb. 14, 2022

1.4 Measurement Uncertainty

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

For Other tests:

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.5 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	2.5 dB	Confidence levels of 95%
Output Power Measurement	1.3 dB	Confidence levels of 95%
Power Density Measurement	2.5 dB	Confidence levels of 95%
Bandwidth Measurement	0.9%	Confidence levels of 95%

For Co-location test:

Test Items	Uncertainty	Remark
Radiated Emission (1GHz ~ 18GHz)	5.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.7 dB	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

<Non-beamforming mode>

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	105
2437MHz	106
2462MHz	106
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	84
2417MHz	90
2437MHz	107
2457MHz	96
2462MHz	90
802.11ax HEW20_Nss2,(MCS0)_2TX	-
2412MHz	84
2417MHz	89
2437MHz	106
2457MHz	90
2462MHz	85
802.11ax HEW40_Nss2,(MCS0)_2TX	-
2422MHz	80
2437MHz	90
2452MHz	83

<Beamforming mode>

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	80
2417MHz	92
2437MHz	106
2457MHz	92
2462MHz	85
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
2422MHz	79
2437MHz	88
2452MHz	85

Note:
1. 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. There are two modes of EUT for n/VHT/ax in 2.4GHz, n/ac/ax in 5GHz and ax in 6GHz. One is beamforming mode, and the other is non-beamforming mode, after evaluating, beamforming mode has been evaluated to be the worst case, so it was selected to test and record in this test report.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	Normal Link
1	EUT + Adapter 1
2	EUT + Adapter 2
Mode 1 generated the worst test result, so it was recorded in this report.	

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
	The EUT can be placed in X axis, Y axis and Z axis. EUT Z axis has been evaluated to be the worst case at Emissions in Restricted Frequency Bands <Above 1GHz>; thus, the measurement will follow this same test configuration.
1	EUT in Z axis + WLAN 2.4GHz + Adapter 1
2	EUT in Z axis + WLAN 2.4GHz + Adapter 2
Mode 1 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3 ~ 4 will follow this same test mode.	
3	EUT in Z axis + WLAN 5GHz + Adapter 1
4	EUT in Z axis + WLAN 6GHz + Adapter 1
For operating mode 1 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
	The EUT was performed at X axis, Y axis and Z axis position, and the worst case as below:
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 can be placed in X axis, Y axis and Z axis. EUT Z axis has been evaluated to be the worst case at Emissions in Restricted Frequency Bands <Above 1GHz>; thus, the measurement will follow this same test configuration.
1	EUT in Z axis + WLAN 2.4GHz + WLAN 6GHz
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	EUT_WLAN 2.4GHz + WLAN 5GHz + WLAN 6GHz
Refer to Sporton Test Report No.: FA212407 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

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

The program was executed as follows:

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under DOS [ver 6.1.7601]、LanTest20(version 2.0.0.2).
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by Router and transmit duty cycle no less than 98%.

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories			
Equipment Name	**Brand Name**	**Model Name**	**Rating**
Adapter 1	LEI	MU36D1120300-A1	Input: 100-240V~50/60Hz, 1.0A Output: 12V, 3A
Adapter 2	APD	WA-36N12FU	Input: 100-240V, 50-60Hz, 0.9A Max. Output: 12.0V, 3.0A
Others			
RJ-45 cable*1: Non-Shielded, 1.5m			

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	LAN 1 NB	DELL	E6430	N/A
B	WAN 2.5G PC	DELL	T3400	N/A
C	LAN 4 NB	DELL	E6430	N/A
D	2.4G NB	DELL	E6430	N/A
E	5G NB	DELL	E6430	N/A
F	6E Router	ASUS	GT-AXE7800	N/A
G	6E Router NB	DELL	E6430	N/A
H	HDD3.0	WD	WDBACY5000AWT	N/A

For Radiated <below 1GHz> and Radiated <above 1GHz / Non-beamforming mode>:

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

For Radiated <above 1GHz / Beamforming mode>:

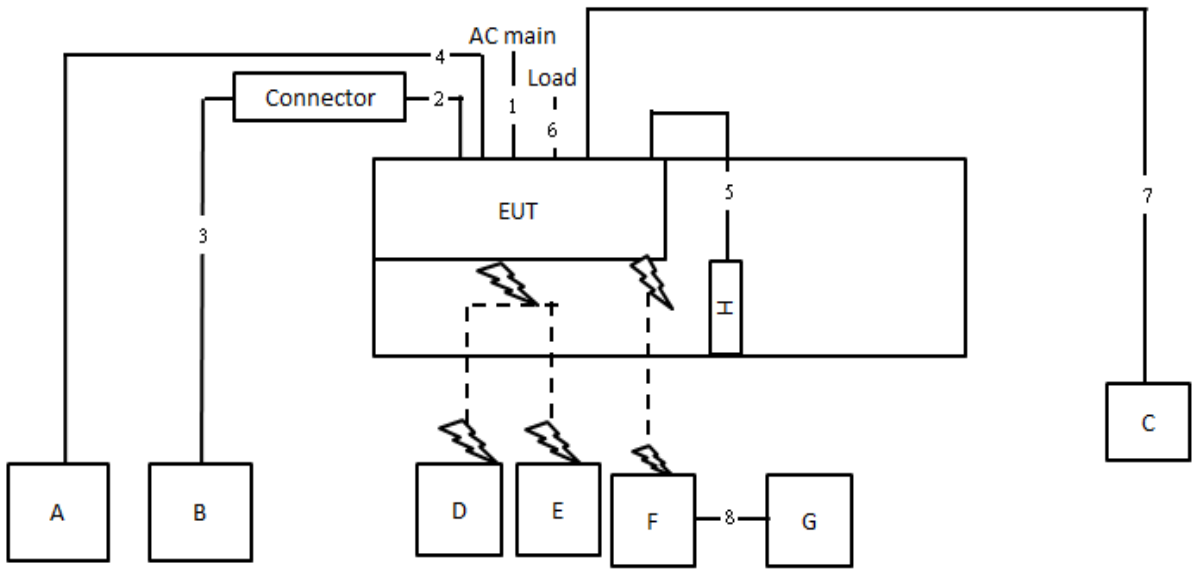
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A
B	NB	DELL	E4300	N/A
C	Router	ASUS	XT9	MSQ-RTAX4S00

For RF Conducted:

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

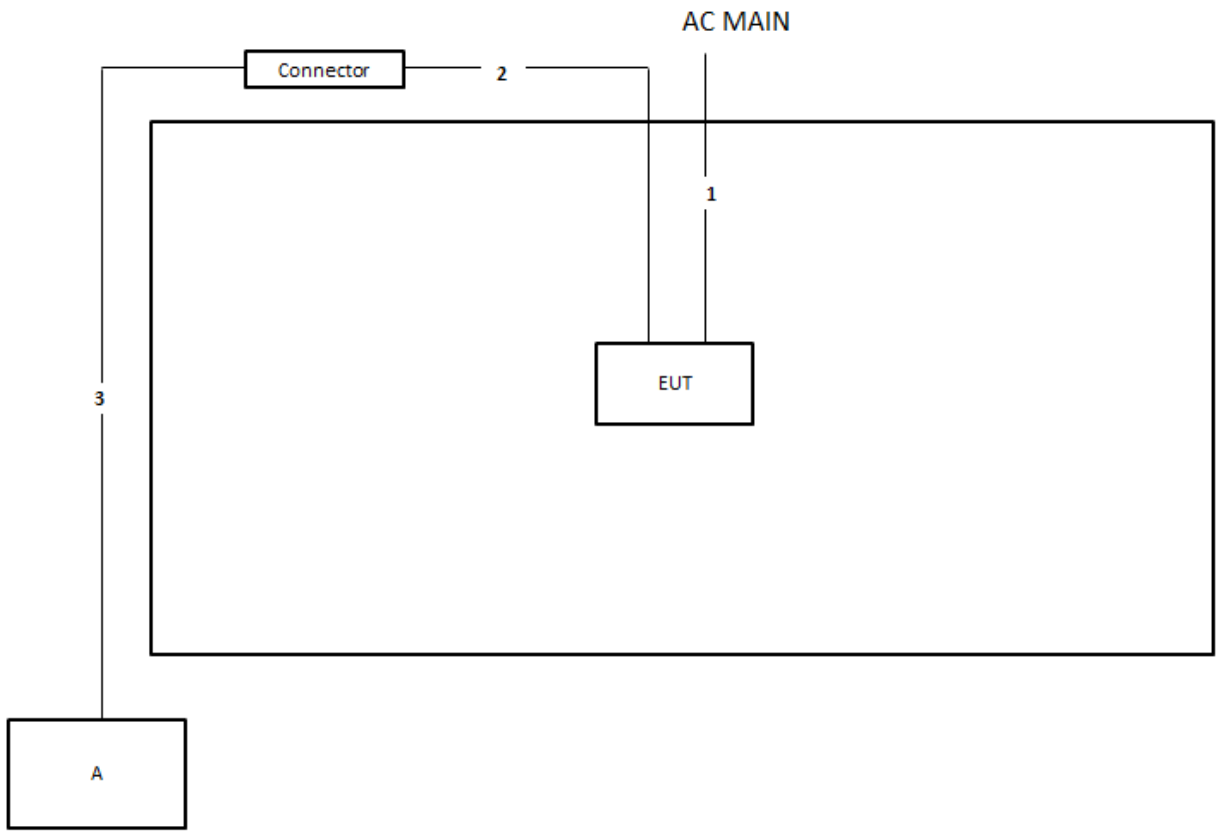
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



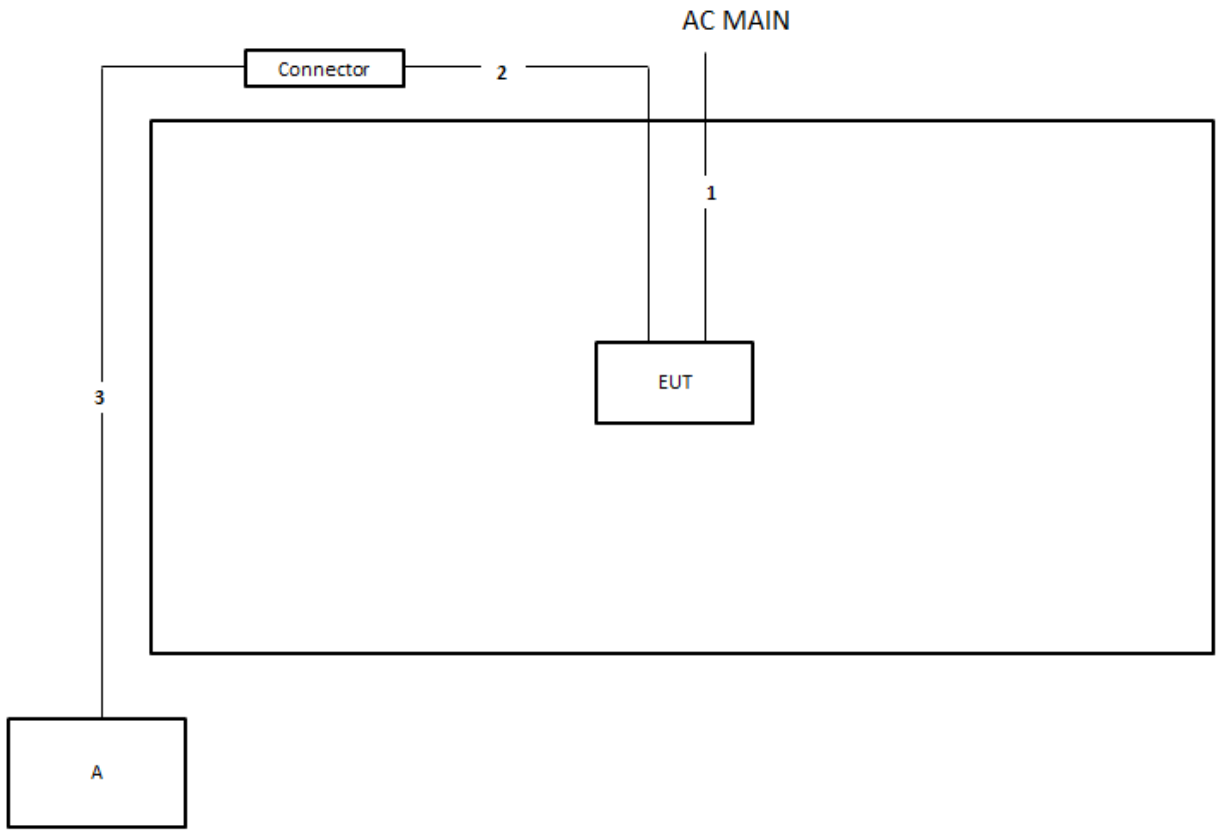
Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	1.5m
3	RJ-45 cable	No	10m
4	RJ-45 cable	No	10m
5	USB cable	Yes	1.8m
6	RJ-45 cable*2	No	1.5m
7	RJ-45 cable	No	10m
8	RJ-45 cable	No	1.5m

Test Setup Diagram - Radiated Test < 1GHz



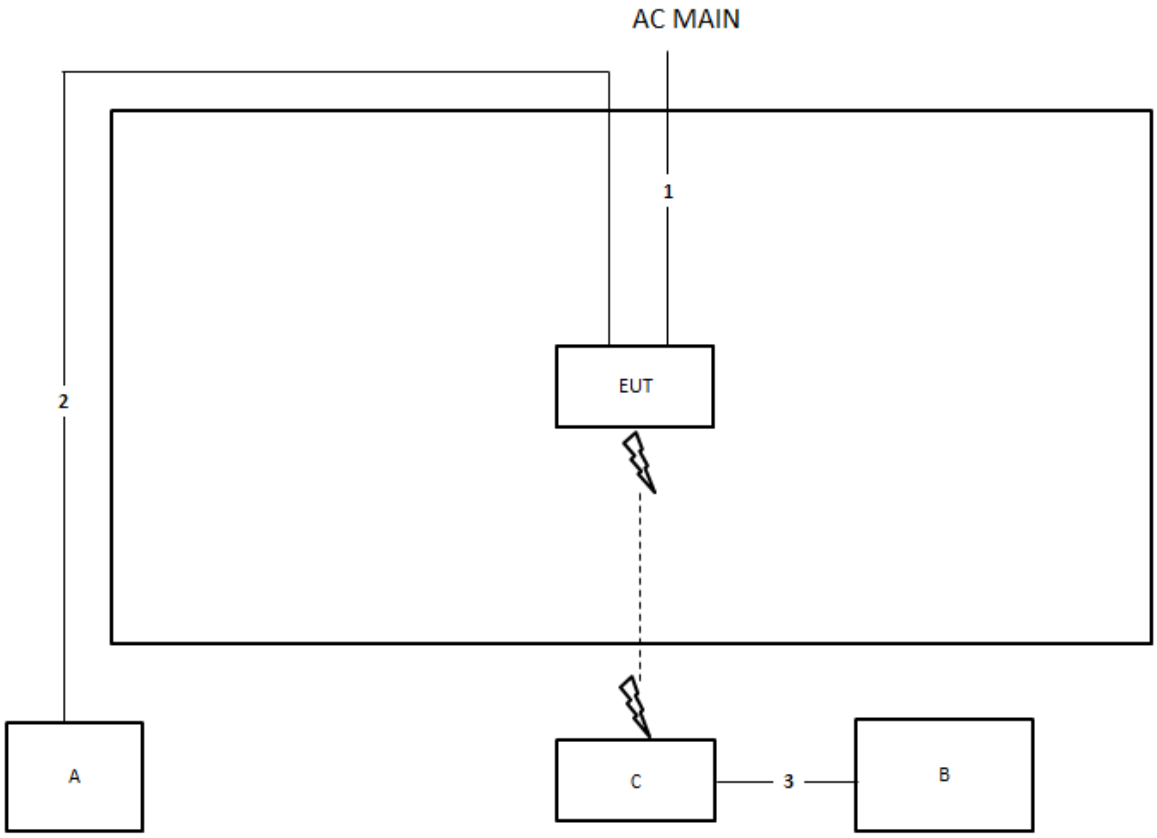
Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	1.5m
3	RJ-45 cable	No	10m

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



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

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



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

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

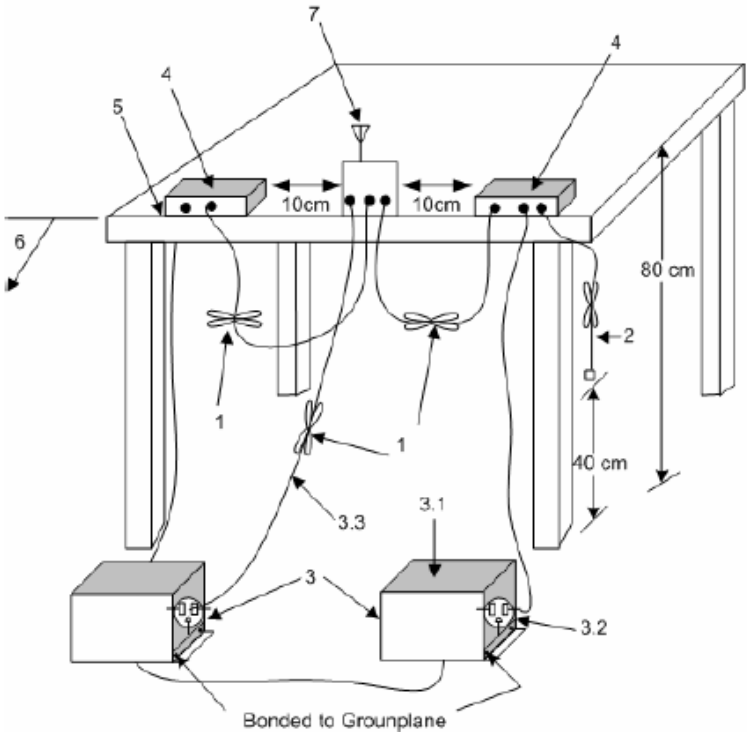
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



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

3.1.5 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.

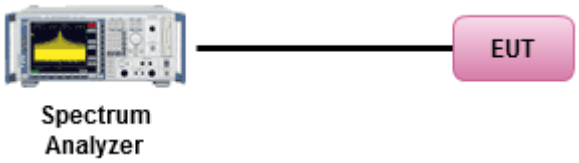
3.2.2 Measuring Instruments

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

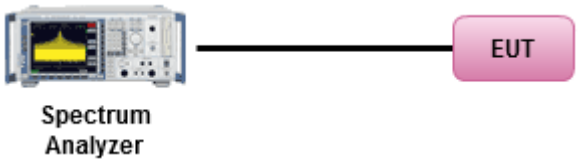
3.4.2 Measuring Instruments

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.	

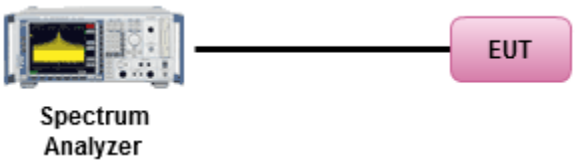
3.5.2 Measuring Instruments

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.

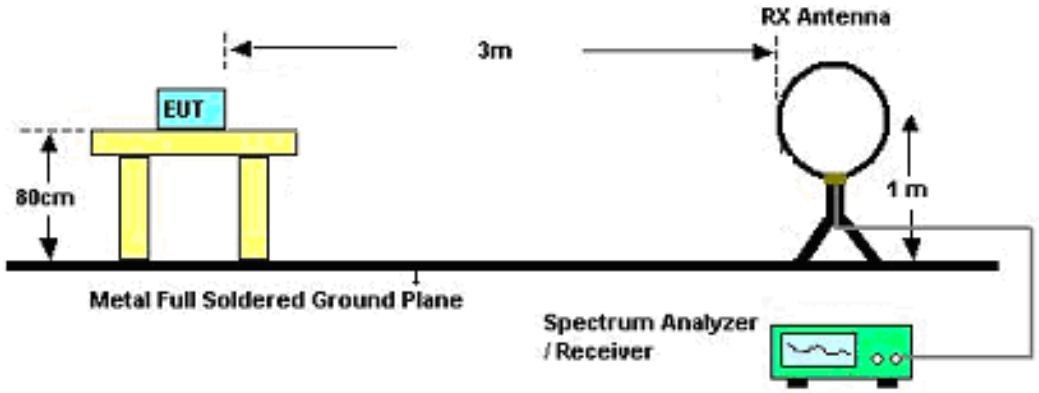
3.6.3 Test Procedures

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.

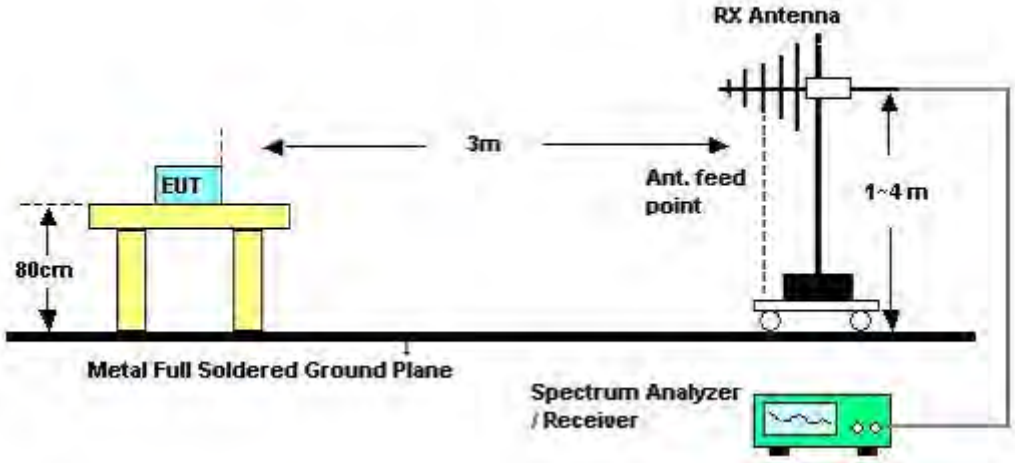
3.6.4 Test Setup

Radiated - Emissions in Restricted Frequency Bands

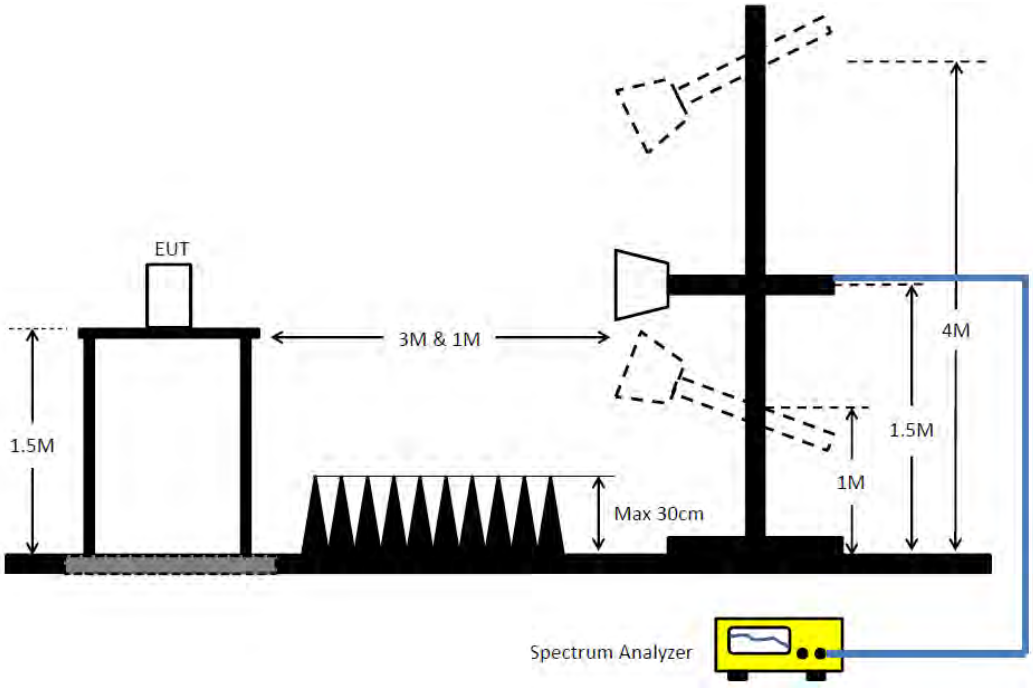
9kHz ~30MHz



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	Feb. 09, 2022	Feb. 08, 2023	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Mar. 07, 2021	Mar. 06, 2022	Conduction (CO01-CB)
Pulse Limiter	Schwarzbeck	VTSD 9561F-N	00378	9kHz ~ 30MHz	Mar. 18, 2021	Mar. 17, 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)
Log Antenna	Schwarzbeck	VUSLP 9111	247	200MHz ~ 1GHz	May 24, 2021	May 23, 2022	Radiation (03CH03-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH03-CB	30 MHz ~ 1 GHz	Jan. 26, 2022	Jan. 25, 2023	Radiation (03CH03-CB)
Bilog Antenna with 6 dB attenuator	Schaffner & EMCI	CBL6112B & N-6-06	2928 & AT-N0608	20MHz ~ 2GHz	Feb. 22, 2021	Feb. 21, 2022	Radiation (03CH03-CB)
Bilog Antenna with 6 dB attenuator	Schaffner & EMCI	CBL6112B & N-6-06	2928 & AT-N0608	20MHz ~ 2GHz	Feb. 21, 2022	Feb. 20, 2023	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8447D	2944A10259	9kHz ~ 1.3GHz	Jan. 10, 2022	Jan. 09, 2023	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 04, 2021	Jun. 03, 2022	Radiation (03CH03-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 21, 2021	Jun. 20, 2022	Radiation (03CH03-CB)
RF Cable-low	Woken	RG402	Low Cable-02+29	30MHz ~ 1GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH03-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 24, 2022	Feb. 23, 2023	Radiation (03CH04-CB)
Horn Antenna	ETS・Lindgren	3115	00143147	750MHz~18GHz	Oct. 25, 2021	Oct. 24, 2022	Radiation (03CH04-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz ~ 26.5GHz	Jul. 12, 2021	Jul. 11, 2022	Radiation (03CH04-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Mar. 28, 2022	Mar. 27, 2023	Radiation (03CH04-CB
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH04-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 01, 2021	Sep. 30, 2022	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Aug. 04, 2021	Aug. 03, 2022	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	May 06, 2021	May 05, 2022	Radiation (03CH06-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Dec. 24, 2021	Dec. 23, 2022	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05	1GHz~18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+24	1GHz~18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 21, 2021	May 20, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Switch	SPTCB	SP-SWI	SWI-01	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	SWI-01-P1	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	SWI-01-P2	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	SWI-01-P3	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	SWI-01-P4	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	SWI-01-P5	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
Power Sensor	Anritsu	MA2411B	1339408	300MHz~40GHz	Sep. 06, 2021	Sep. 05, 2022	Conducted (TH01-CB)
Power Meter	Anritsu	ML2495A	1517009	300MHz~40GHz	Sep. 06, 2021	Sep. 05, 2022	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)

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

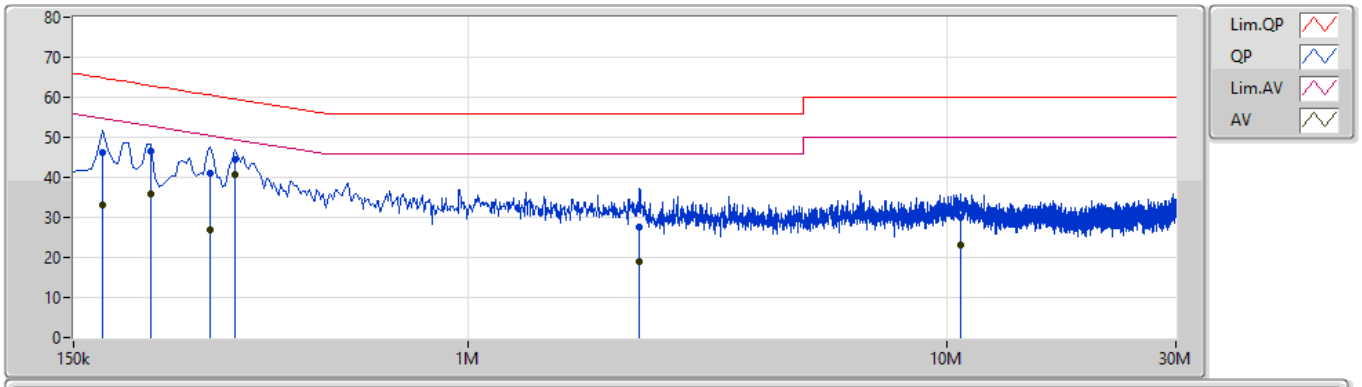
NCR means Non-Calibration required.

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	325.5k	40.69	49.56	-8.87	Neutral

Mode 1

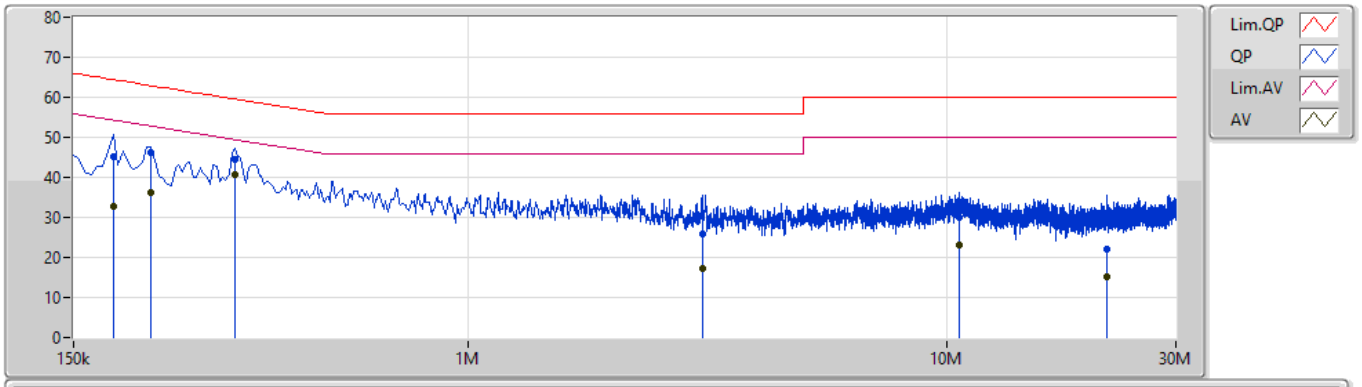
14/02/2022



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	172.5k	46.27	64.83	-18.56	10.24	Line	-	36.03	0.04	0.04	10.16
AV	172.5k	32.95	54.83	-21.88	10.24	Line	-	22.71	0.04	0.04	10.16
QP	217.5k	46.50	62.92	-16.42	10.23	Line	-	36.27	0.04	0.04	10.15
AV	217.5k	35.94	52.92	-16.98	10.23	Line	-	25.71	0.04	0.04	10.15
QP	289.5k	41.04	60.53	-19.49	10.21	Line	-	30.83	0.04	0.04	10.13
AV	289.5k	26.98	50.53	-23.55	10.21	Line	-	16.77	0.04	0.04	10.13
QP	325.5k	44.38	59.56	-15.18	10.20	Line	-	34.18	0.04	0.04	10.12
AV	325.5k	40.63	49.56	-8.93	10.20	Line	"Worst"	30.43	0.04	0.04	10.12
QP	2.279M	27.65	56.00	-28.35	10.30	Line	-	17.35	0.10	0.08	10.12
AV	2.279M	18.98	46.00	-27.02	10.30	Line	-	8.68	0.10	0.08	10.12
QP	10.667M	29.88	60.00	-30.12	10.51	Line	-	19.37	0.23	0.16	10.12
AV	10.667M	23.13	50.00	-26.87	10.51	Line	-	12.62	0.23	0.16	10.12

Mode 1

14/02/2022



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	181.5k	45.09	64.41	-19.32	10.23	Neutral	-	34.86	0.03	0.04	10.16
AV	181.5k	32.78	54.41	-21.63	10.23	Neutral	-	22.55	0.03	0.04	10.16
QP	217.5k	46.19	62.92	-16.73	10.22	Neutral	-	35.97	0.03	0.04	10.15
AV	217.5k	36.30	52.92	-16.62	10.22	Neutral	-	26.08	0.03	0.04	10.15
QP	325.5k	44.46	59.56	-15.10	10.19	Neutral	-	34.27	0.03	0.04	10.12
AV	325.5k	40.69	49.56	-8.87	10.19	Neutral	"Worst"	30.50	0.03	0.04	10.12
QP	3.08M	25.75	56.00	-30.25	10.30	Neutral	-	15.45	0.09	0.10	10.11
AV	3.08M	17.21	46.00	-28.79	10.30	Neutral	-	6.91	0.09	0.10	10.11
QP	10.626M	29.97	60.00	-30.03	10.49	Neutral	-	19.48	0.21	0.16	10.12
AV	10.626M	22.97	50.00	-27.03	10.49	Neutral	-	12.48	0.21	0.16	10.12
QP	21.579M	21.99	60.00	-38.01	10.76	Neutral	-	11.23	0.32	0.24	10.20
AV	21.579M	15.20	50.00	-34.80	10.76	Neutral	-	4.44	0.32	0.24	10.20

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	7.025M	11.069M	11M1G1D	6.55M	10.795M
802.11g_Nss1,(6Mbps)_2TX	16.35M	17.266M	17M3D1D	16.325M	16.717M
802.11ax HEW20_Nss2,(MCS0)_2TX	19.025M	19.265M	19M3D1D	18.825M	19.015M
802.11ax HEW40_Nss2,(MCS0)_2TX	37.8M	37.931M	37M9D1D	37.35M	37.681M

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

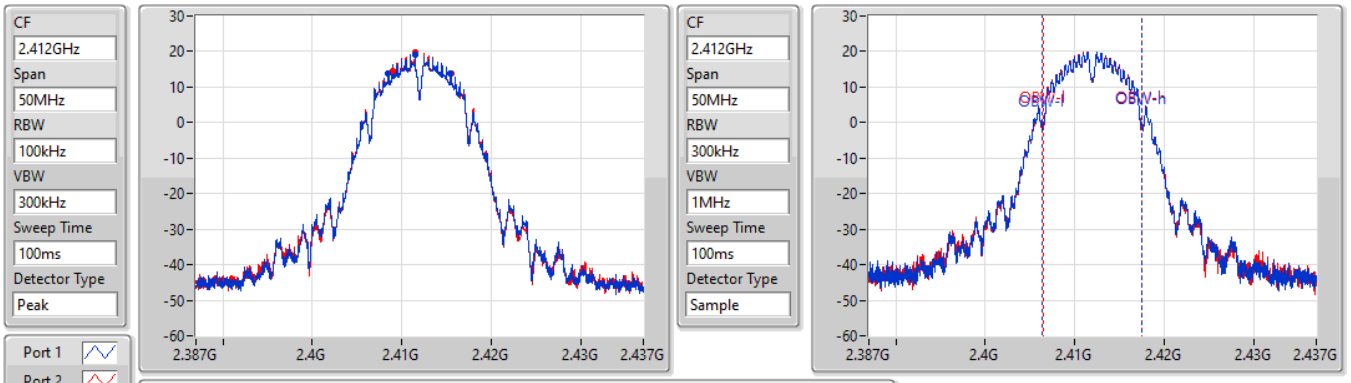
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7M	11.069M	6.55M	10.945M
2437MHz	Pass	500k	6.55M	10.895M	7.025M	11.044M
2462MHz	Pass	500k	6.975M	10.895M	6.975M	10.795M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.792M	16.35M	16.767M
2437MHz	Pass	500k	16.35M	17.266M	16.325M	17.266M
2462MHz	Pass	500k	16.325M	16.717M	16.35M	16.767M
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	19M	19.015M	18.9M	19.015M
2437MHz	Pass	500k	19M	19.265M	18.825M	19.14M
2462MHz	Pass	500k	19.025M	19.015M	18.9M	19.015M
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.8M	37.781M	37.35M	37.931M
2437MHz	Pass	500k	37.55M	37.731M	37.6M	37.831M
2452MHz	Pass	500k	37.45M	37.681M	37.4M	37.731M

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

802.11b_Nss1,(1Mbps)_2TX EBW

2412MHz

01/04/2022

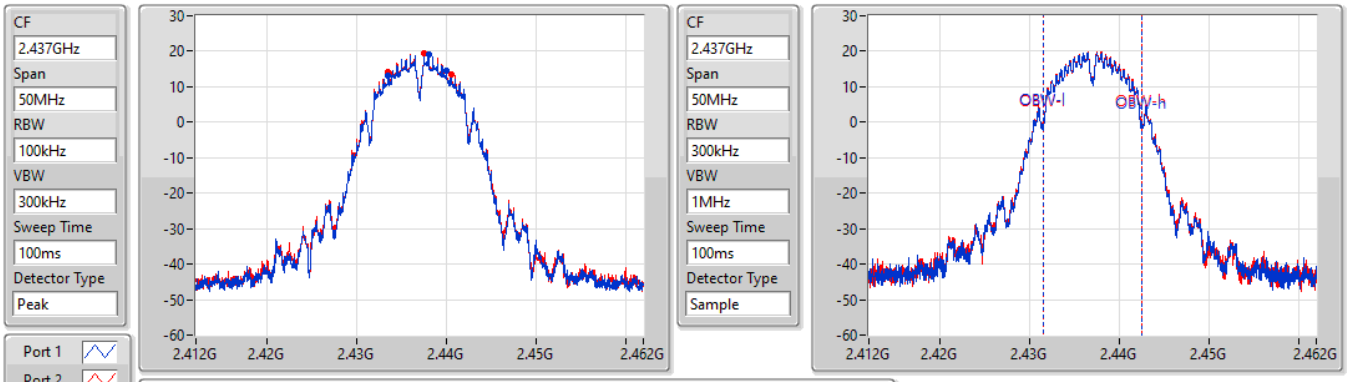


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7M	2.408475G	2.415475G	11.069M	2.406403G	2.417472G	500k	1
6.55M	2.40895G	2.4155G	10.945M	2.406503G	2.417447G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2437MHz

01/04/2022

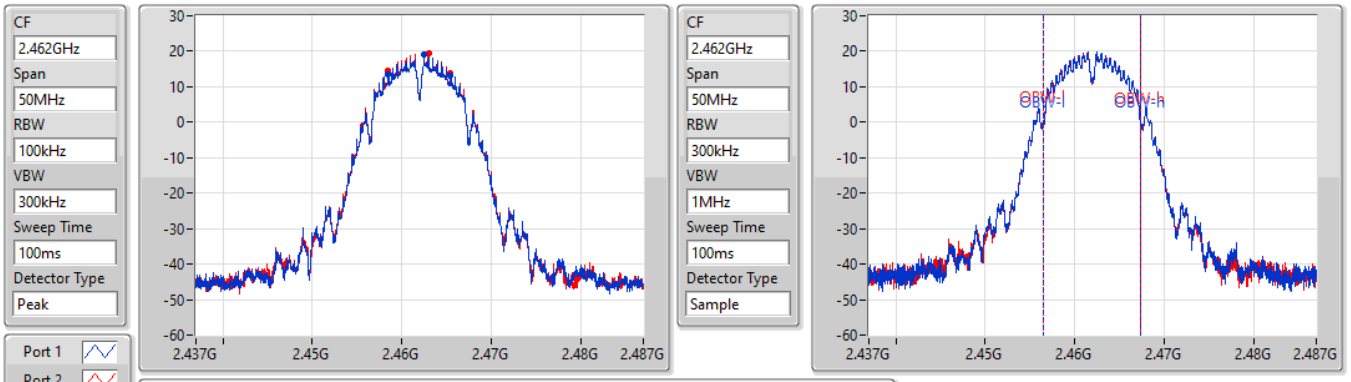


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
6.55M	2.433475G	2.440025G	10.895M	2.431553G	2.442447G	500k	1
7.025M	2.433475G	2.4405G	11.044M	2.431478G	2.442522G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2462MHz

01/04/2022

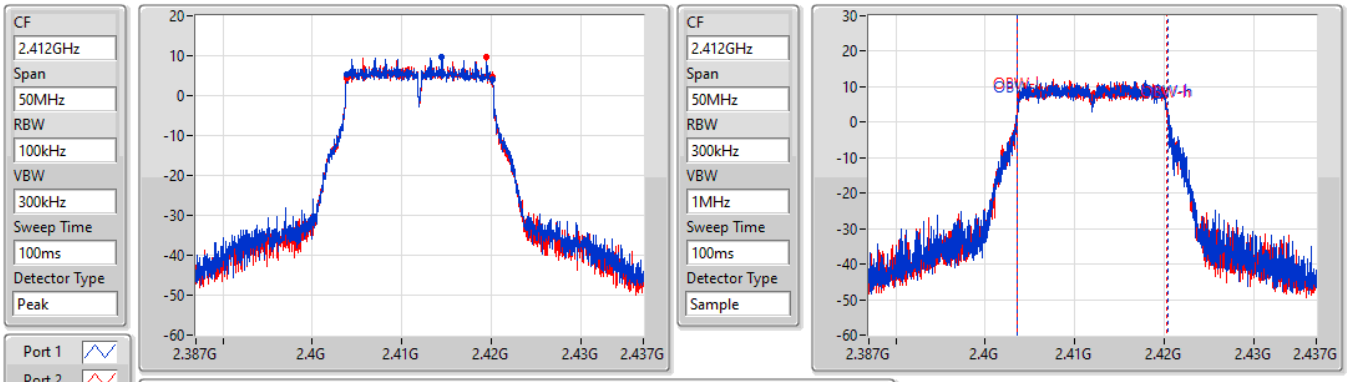


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
6.975M	2.4585G	2.465475G	10.895M	2.456528G	2.467422G	500k	1
6.975M	2.4585G	2.465475G	10.795M	2.456553G	2.467347G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2412MHz

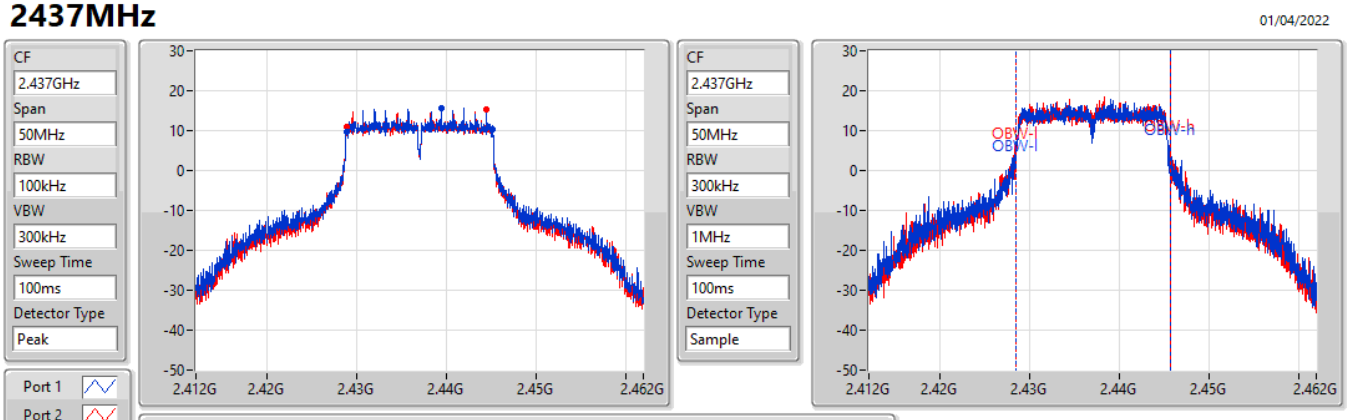
01/04/2022



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.403825G	2.42015G	16.792M	2.403579G	2.420371G	500k	1
16.35M	2.4038G	2.42015G	16.767M	2.403579G	2.420346G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

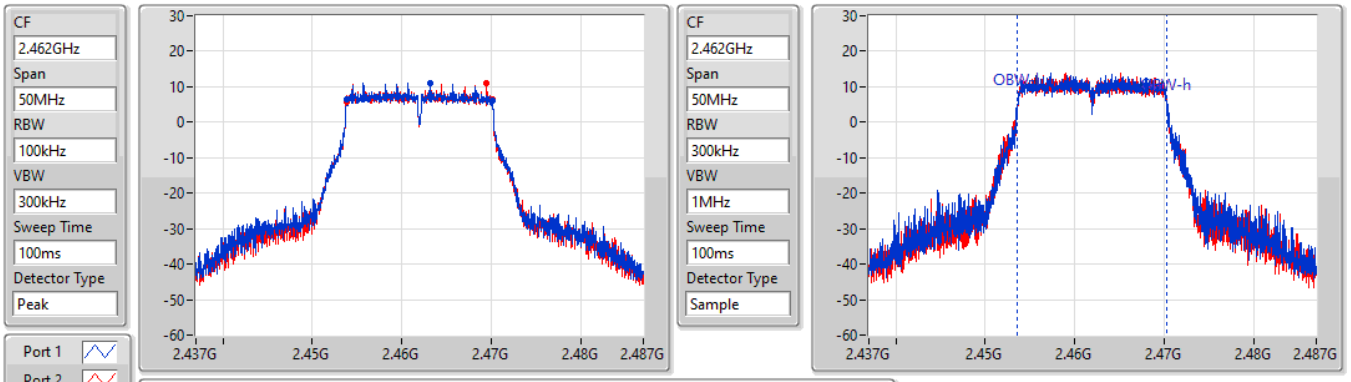
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.4288G	2.44515G	17.266M	2.428379G	2.445646G	500k	1
16.325M	2.428825G	2.44515G	17.266M	2.428379G	2.445646G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

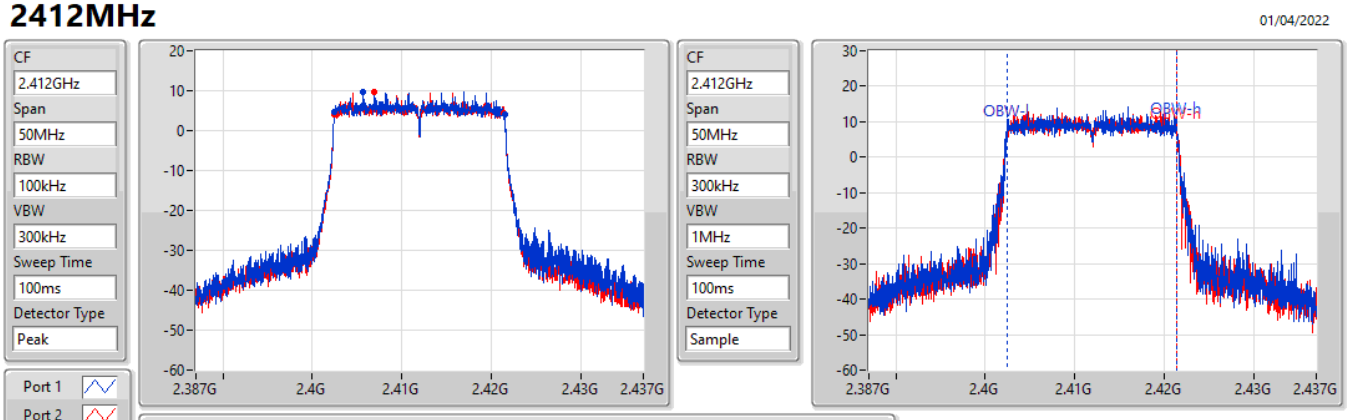
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.453825G	2.47015G	16.717M	2.453629G	2.470346G	500k	1
16.35M	2.4538G	2.47015G	16.767M	2.453579G	2.470346G	500k	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

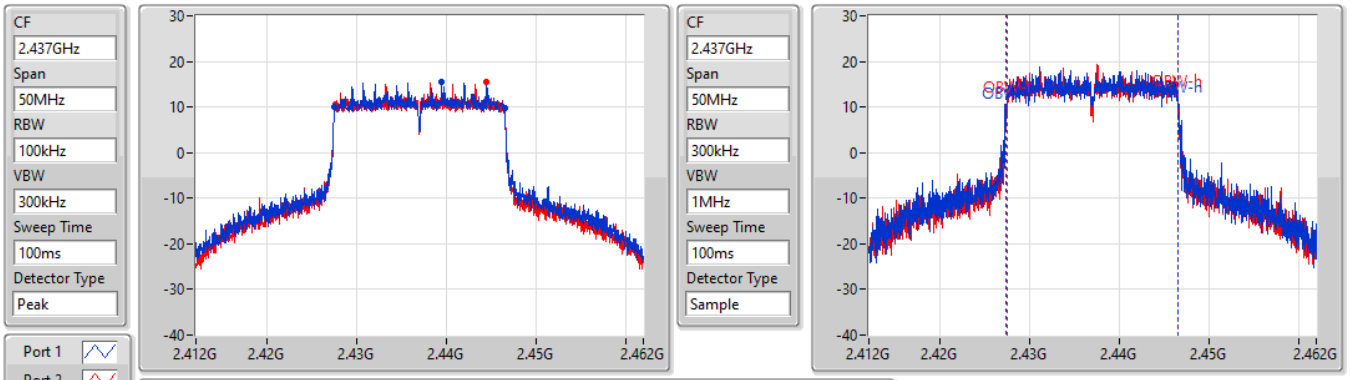
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19M	2.402475G	2.421475G	19.015M	2.40243G	2.421445G	500k	1
18.9M	2.4025G	2.4214G	19.015M	2.402455G	2.42147G	500k	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

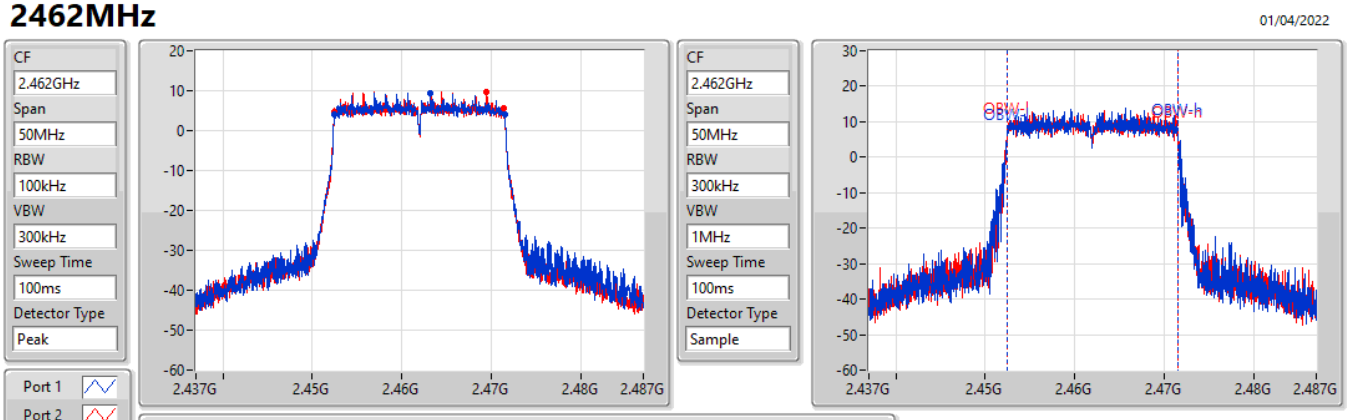
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19M	2.4275G	2.4465G	19.265M	2.42733G	2.446595G	500k	1
18.825M	2.42755G	2.446375G	19.14M	2.427405G	2.446545G	500k	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

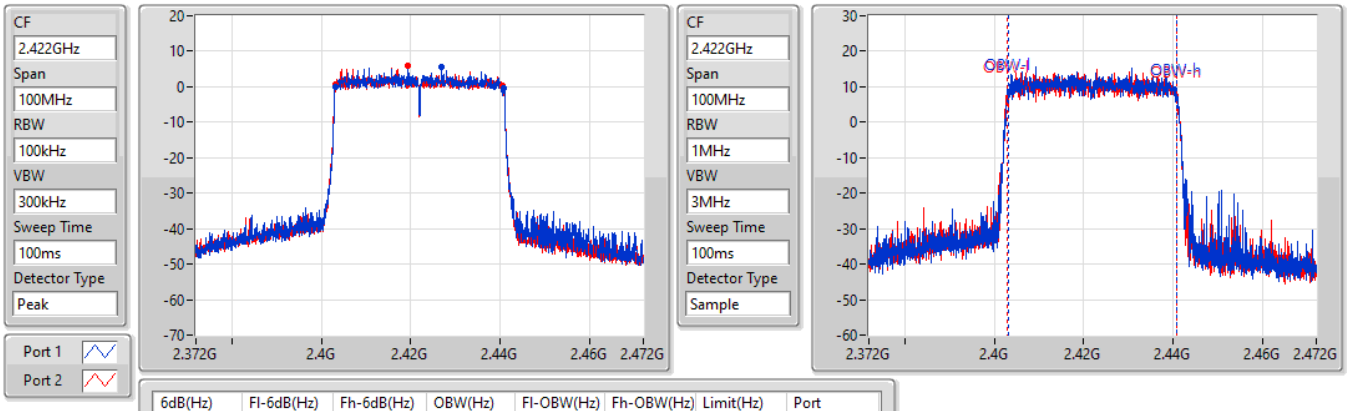
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.025M	2.45245G	2.471475G	19.015M	2.45248G	2.471495G	500k	1
18.9M	2.4525G	2.4714G	19.015M	2.45248G	2.471495G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

2422MHz

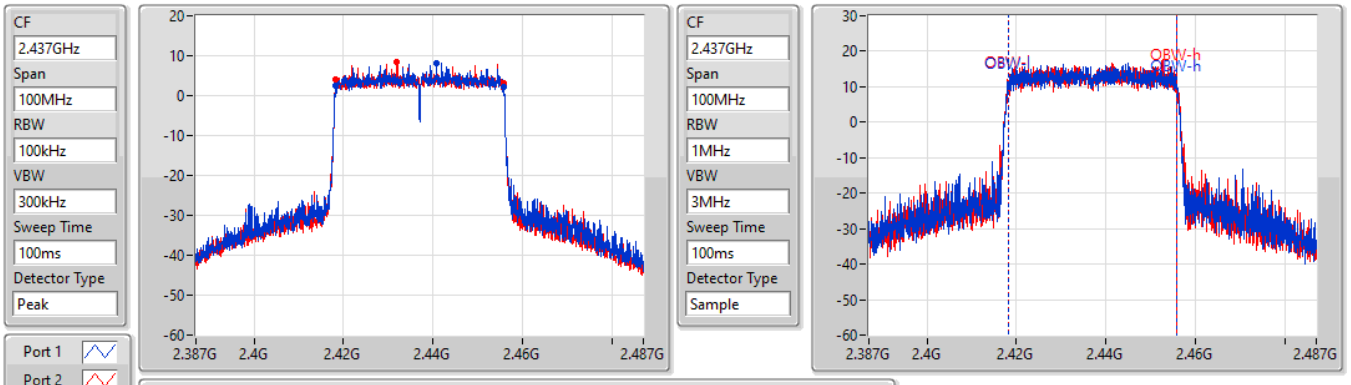


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.8M	2.4031G	2.4409G	37.781M	2.403059G	2.440841G	500k	1
37.35M	2.4032G	2.44055G	37.931M	2.40296G	2.440891G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

2437MHz

01/04/2022

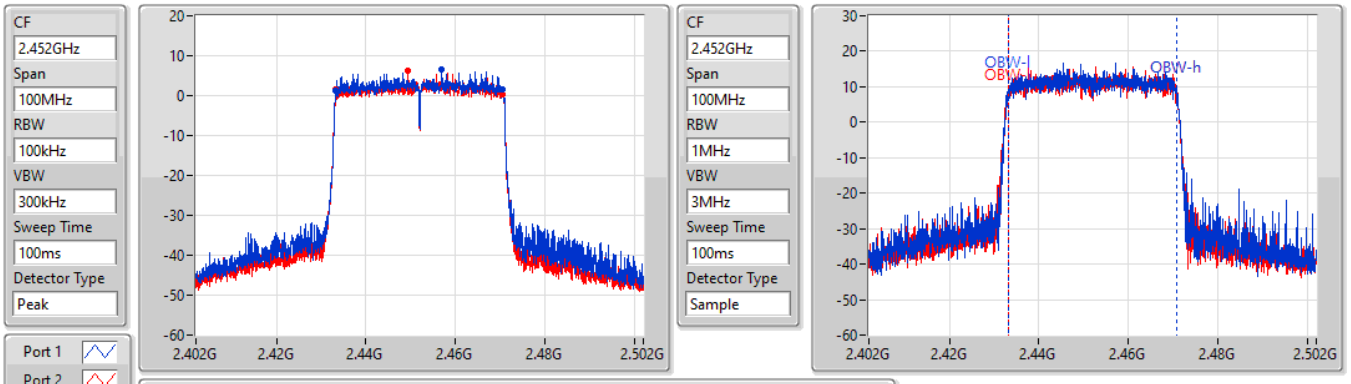


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.55M	2.4182G	2.45575G	37.731M	2.418109G	2.455841G	500k	1
37.6M	2.4182G	2.4558G	37.831M	2.418059G	2.455891G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

2452MHz

01/04/2022



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.45M	2.43315G	2.4706G	37.681M	2.433109G	2.470791G	500k	1
37.4M	2.43325G	2.47065G	37.731M	2.433109G	2.470841G	500k	2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	19.05M	19.165M	19M2D1D	18.95M	18.991M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	37.65M	37.831M	37M8D1D	37.2M	37.681M

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

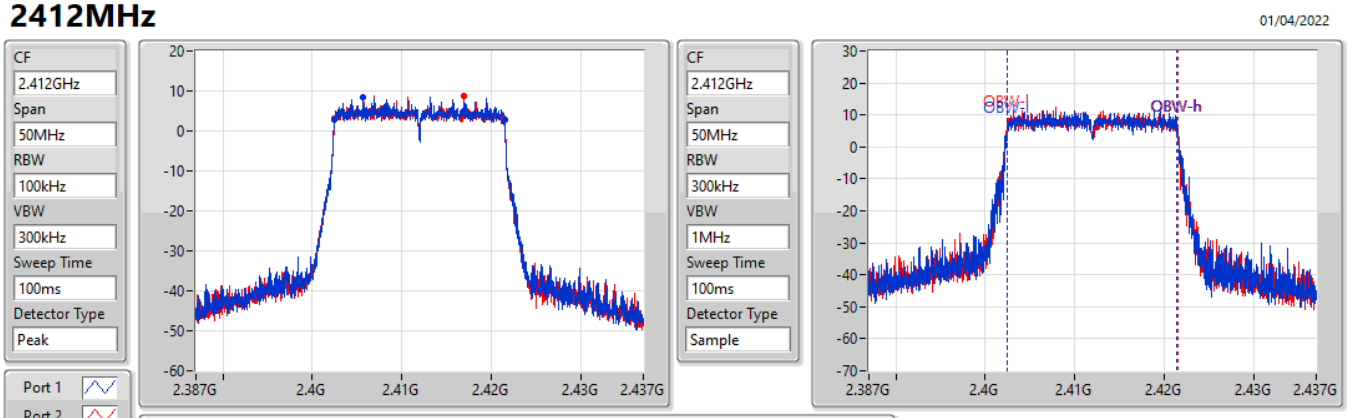
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	19.05M	19.015M	18.95M	19.04M
2437MHz	Pass	500k	18.975M	19.165M	18.95M	19.115M
2462MHz	Pass	500k	19.025M	19.015M	18.95M	18.991M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.65M	37.831M	37.2M	37.681M
2437MHz	Pass	500k	37.5M	37.831M	37.65M	37.781M
2452MHz	Pass	500k	37.6M	37.681M	37.4M	37.681M

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

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

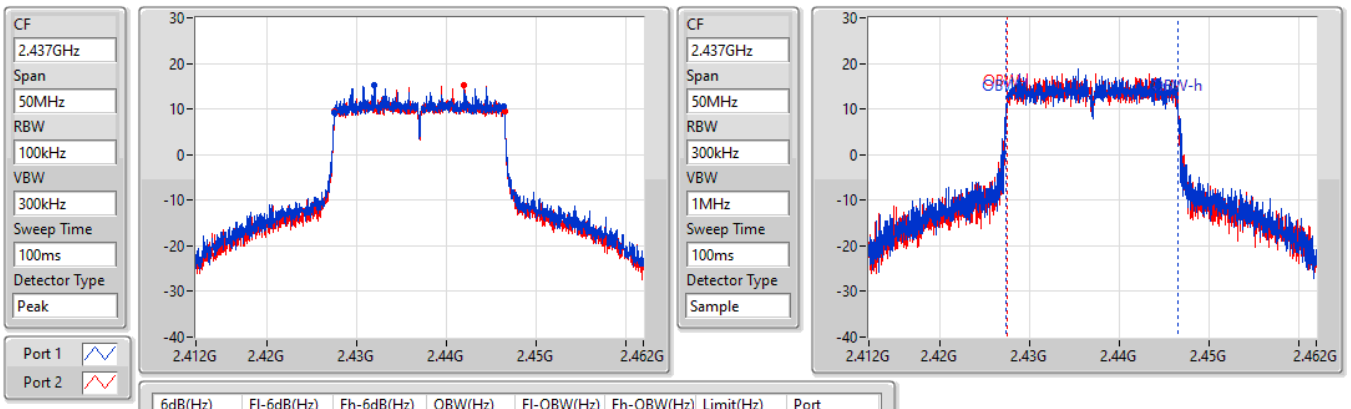
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.05M	2.40245G	2.4215G	19.015M	2.402455G	2.42147G	500k	1
18.95M	2.4025G	2.42145G	19.04M	2.402455G	2.421495G	500k	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

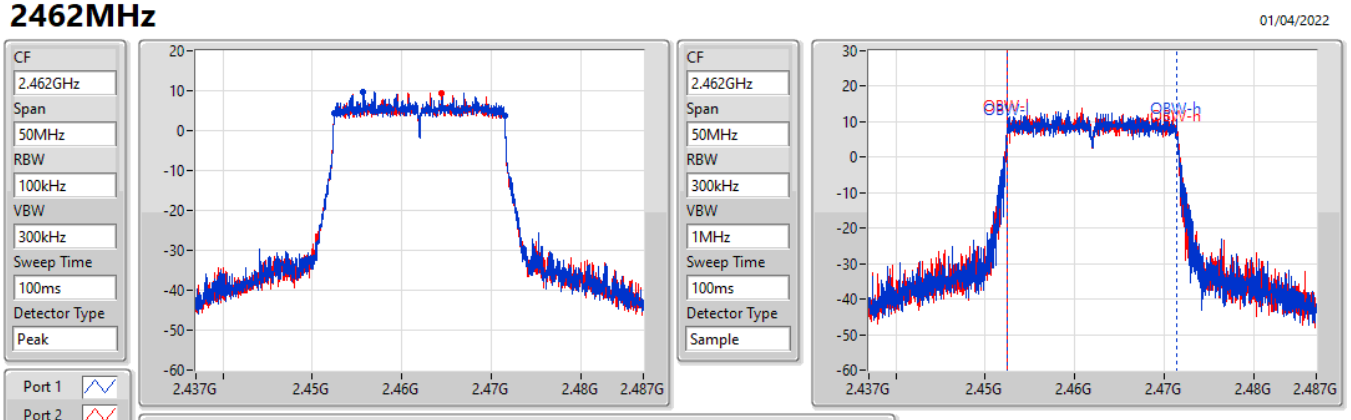
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.427475G	2.44645G	19.165M	2.42738G	2.446545G	500k	1
18.95M	2.427525G	2.446475G	19.115M	2.427405G	2.44652G	500k	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

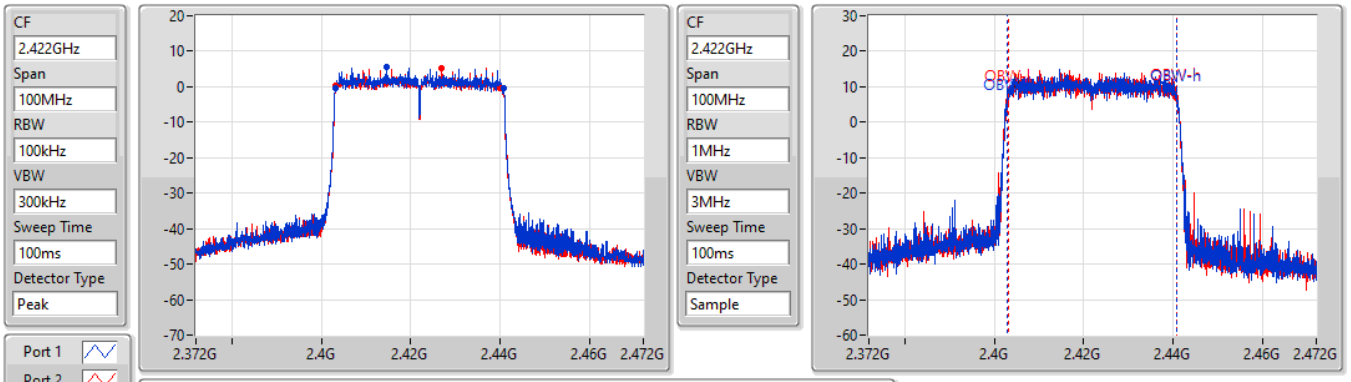
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.025M	2.452475G	2.4715G	19.015M	2.45243G	2.471445G	500k	1
18.95M	2.452525G	2.471475G	18.991M	2.45248G	2.47147G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2422MHz

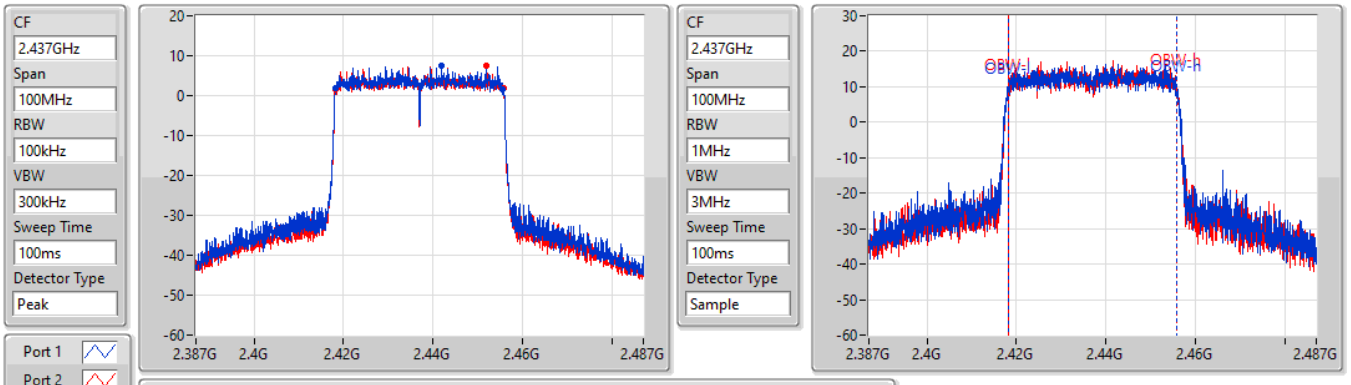


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.65M	2.4032G	2.44085G	37.831M	2.403009G	2.440841G	500k	1
37.2M	2.40315G	2.44035G	37.681M	2.403109G	2.440791G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2437MHz

01/04/2022

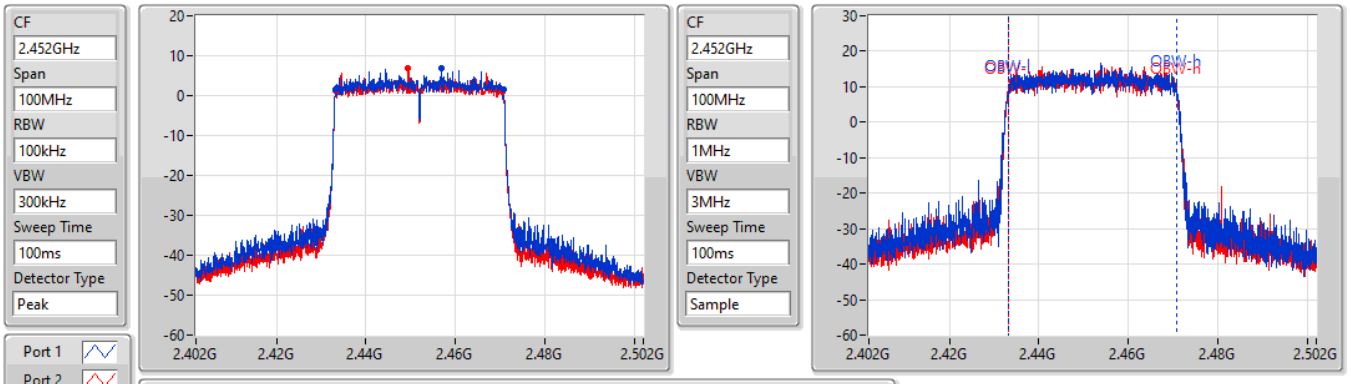


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.5M	2.41815G	2.45565G	37.831M	2.418059G	2.455891G	500k	1
37.65M	2.4181G	2.45575G	37.781M	2.418109G	2.455891G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2452MHz

01/04/2022



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.6M	2.43315G	2.47075G	37.681M	2.433109G	2.470791G	500k	1
37.4M	2.43315G	2.47055G	37.681M	2.433159G	2.470841G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	29.98	0.99541
802.11g_Nss1,(6Mbps)_2TX	29.92	0.98175
802.11ax HEW20_Nss2,(MCS0)_2TX	29.96	0.99083
802.11ax HEW40_Nss2,(MCS0)_2TX	25.89	0.38815

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.047	26.87	26.83	29.86	30.00
2437MHz	Pass	2.047	26.89	27.04	29.98	30.00
2462MHz	Pass	2.047	26.85	26.94	29.91	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.047	21.51	21.32	24.43	30.00
2417MHz	Pass	2.047	23.15	23.15	26.16	30.00
2437MHz	Pass	2.047	26.98	26.84	29.92	30.00
2457MHz	Pass	2.047	24.20	24.40	27.31	30.00
2462MHz	Pass	2.047	23.02	22.94	25.99	30.00
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.830	21.73	21.81	24.78	30.00
2417MHz	Pass	1.830	23.09	23.12	26.12	30.00
2437MHz	Pass	1.830	27.01	26.89	29.96	30.00
2457MHz	Pass	1.830	23.32	23.38	26.36	30.00
2462MHz	Pass	1.830	21.78	21.87	24.84	30.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	1.830	20.54	20.53	23.55	30.00
2437MHz	Pass	1.830	22.83	22.93	25.89	30.00
2452MHz	Pass	1.830	21.44	20.99	24.23	30.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	29.84	0.96383
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	25.50	0.35481

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.838	20.64	20.71	23.69	30.00
2417MHz	Pass	4.838	23.89	23.86	26.89	30.00
2437MHz	Pass	4.838	26.91	26.74	29.84	30.00
2457MHz	Pass	4.838	23.56	23.55	26.57	30.00
2462MHz	Pass	4.838	21.69	21.80	24.76	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.838	20.34	20.33	23.35	30.00
2437MHz	Pass	4.838	22.60	22.37	25.50	30.00
2452MHz	Pass	4.838	21.86	21.49	24.69	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	6.57
802.11g_Nss1,(6Mbps)_2TX	3.28
802.11ax HEW20_Nss2,(MCS0)_2TX	1.70
802.11ax HEW40_Nss2,(MCS0)_2TX	-4.47

RBW = 3kHz;

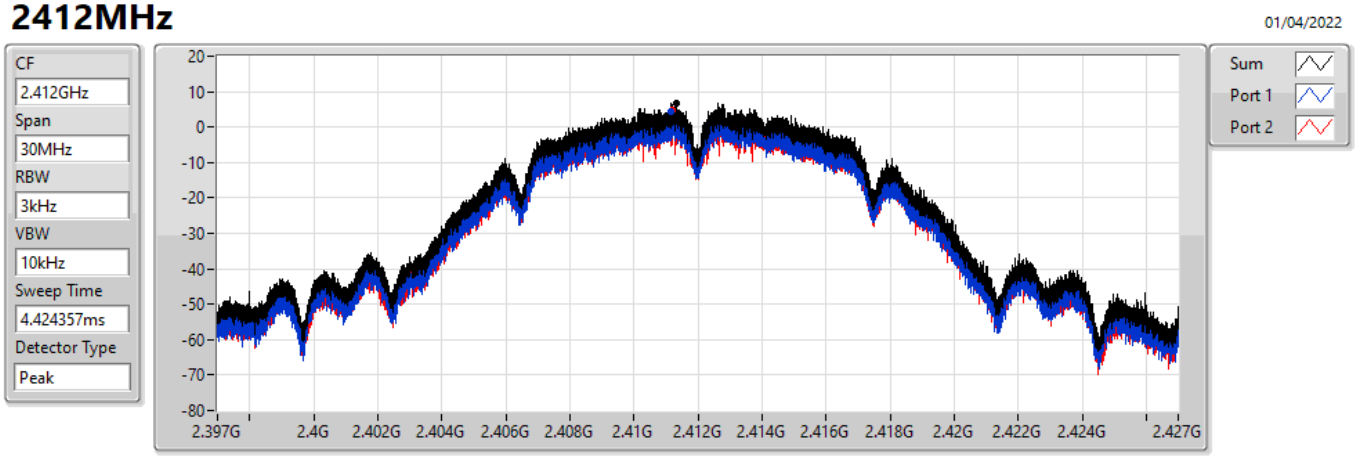
Result

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	4.838	4.52	4.75	6.57	8.00
2437MHz	Pass	4.838	3.89	4.11	6.38	8.00
2462MHz	Pass	4.838	3.30	4.71	6.11	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.838	-4.25	-3.25	-0.71	8.00
2437MHz	Pass	4.838	0.64	2.11	3.28	8.00
2462MHz	Pass	4.838	-3.09	-3.39	-0.43	8.00
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.830	-4.83	-3.82	-2.91	8.00
2437MHz	Pass	1.830	0.07	0.91	1.70	8.00
2462MHz	Pass	1.830	-4.74	-3.84	-2.74	8.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	1.830	-9.19	-8.62	-7.02	8.00
2437MHz	Pass	1.830	-6.75	-6.60	-4.47	8.00
2452MHz	Pass	1.830	-7.20	-7.69	-6.50	8.00

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

802.11b_Nss1,(1Mbps)_2TX PSD

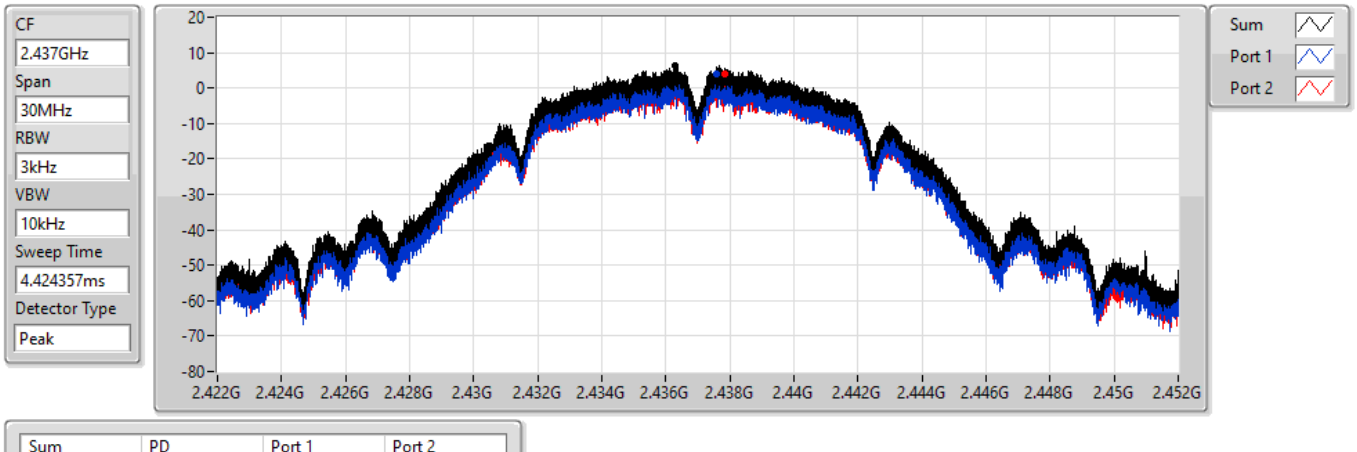
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.57	6.57	4.52	4.75

802.11b_Nss1,(1Mbps)_2TX PSD

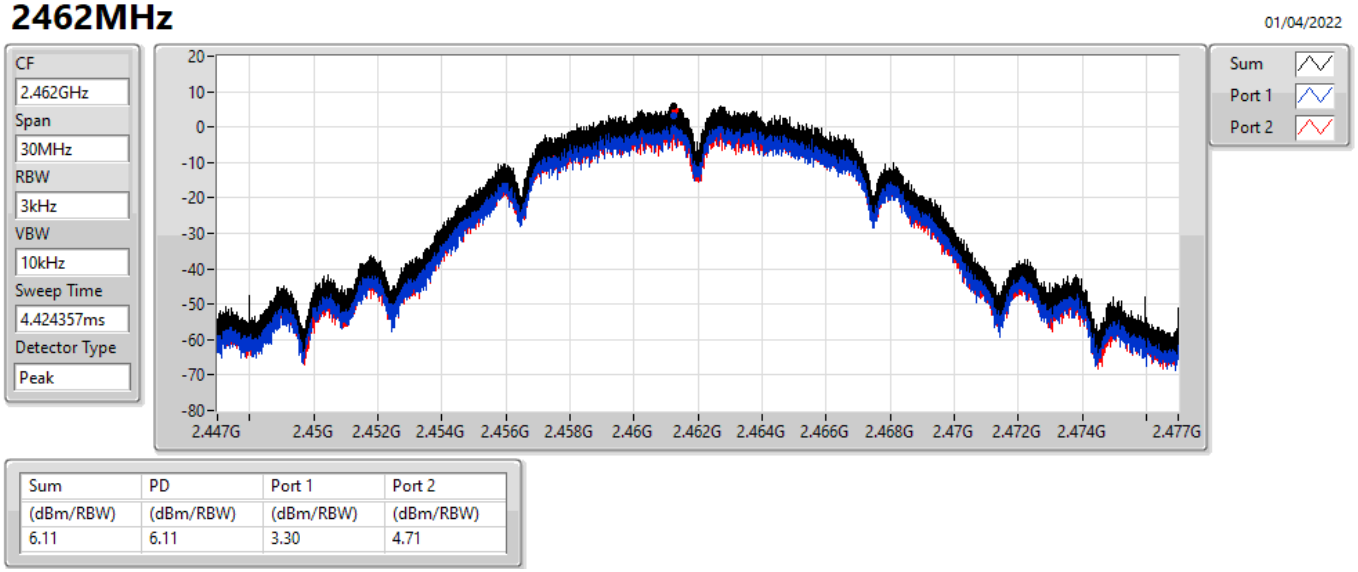
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.38	6.38	3.89	4.11

802.11b_Nss1,(1Mbps)_2TX PSD

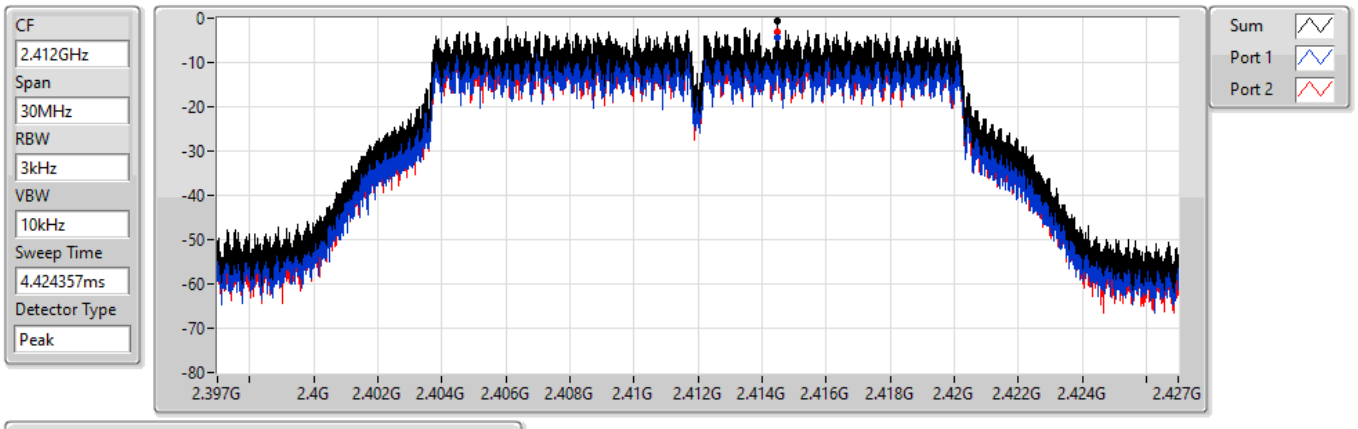
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.11	6.11	3.30	4.71

802.11g_Nss1,(6Mbps)_2TX PSD

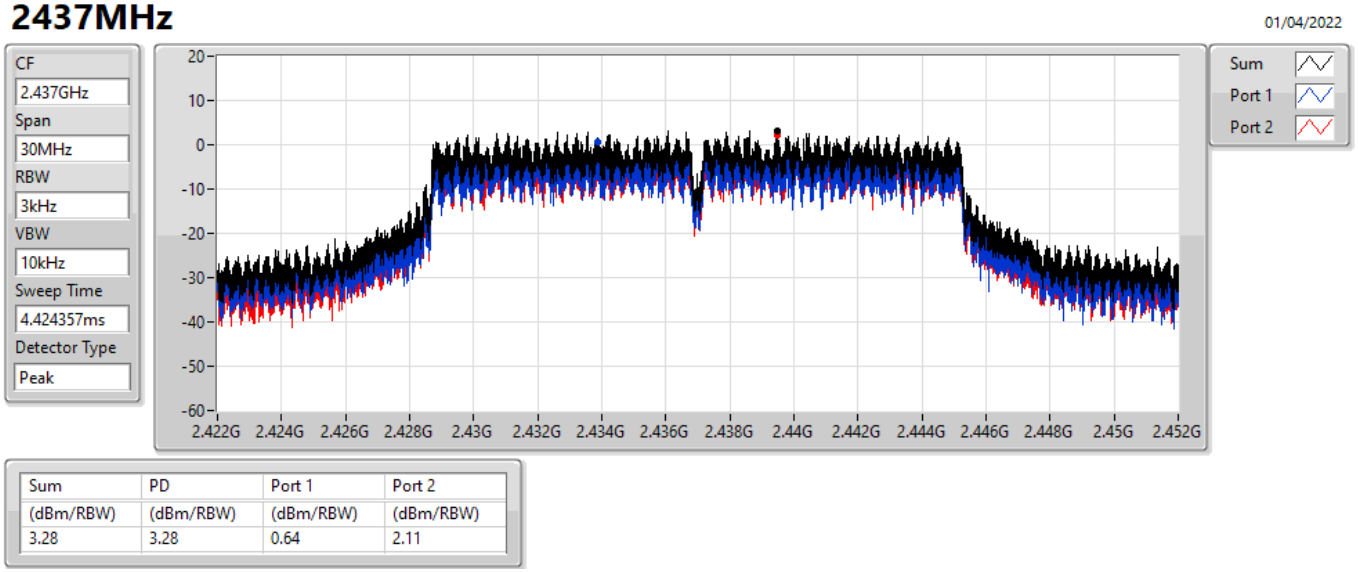
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.71	-0.71	-4.25	-3.25

802.11g_Nss1,(6Mbps)_2TX PSD

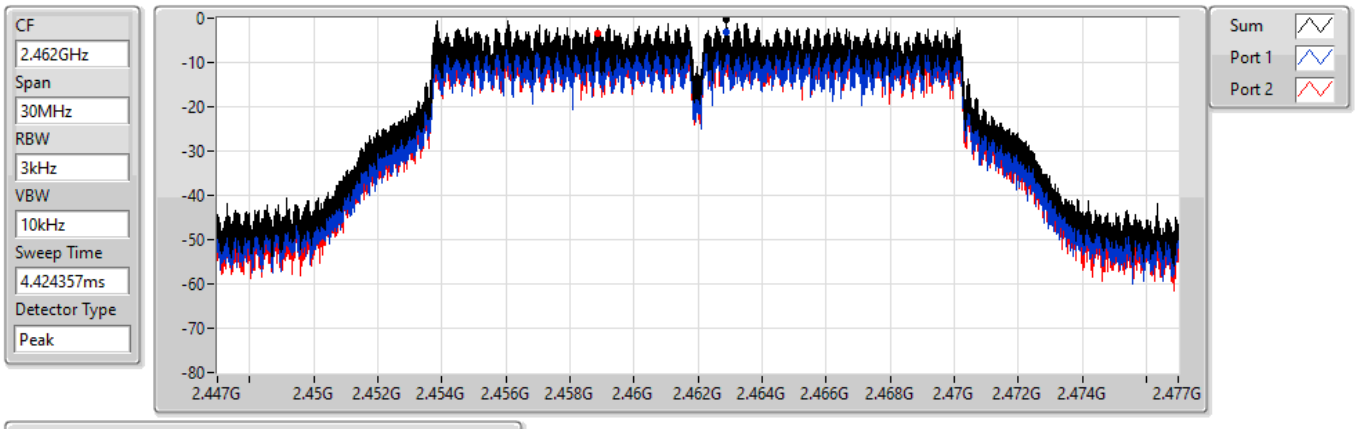
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.28	3.28	0.64	2.11

802.11g_Nss1,(6Mbps)_2TX PSD

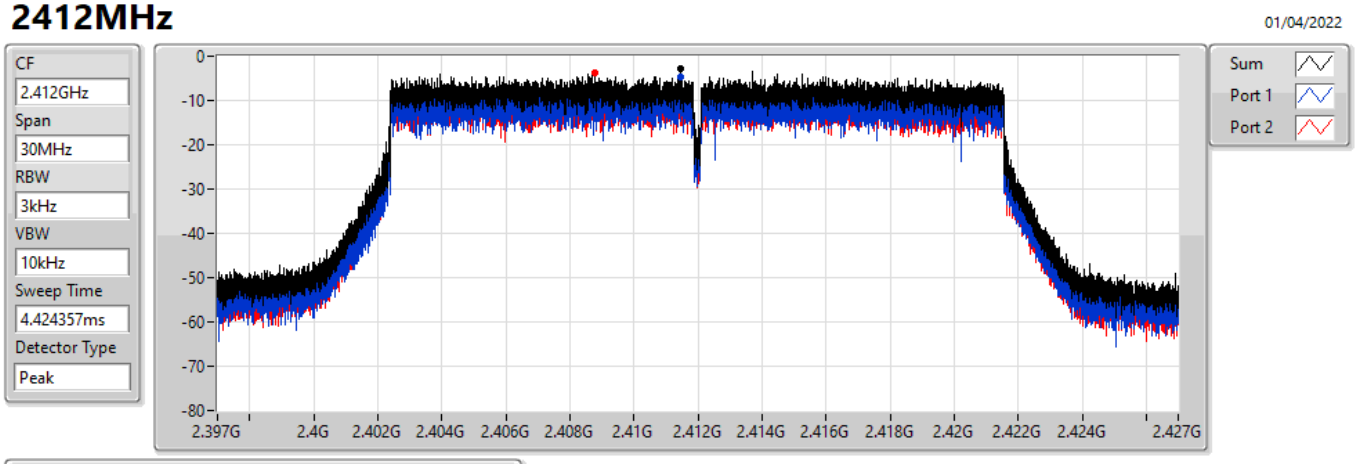
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.43	-0.43	-3.09	-3.39

802.11ax HEW20_Nss2,(MCS0)_2TX PSD

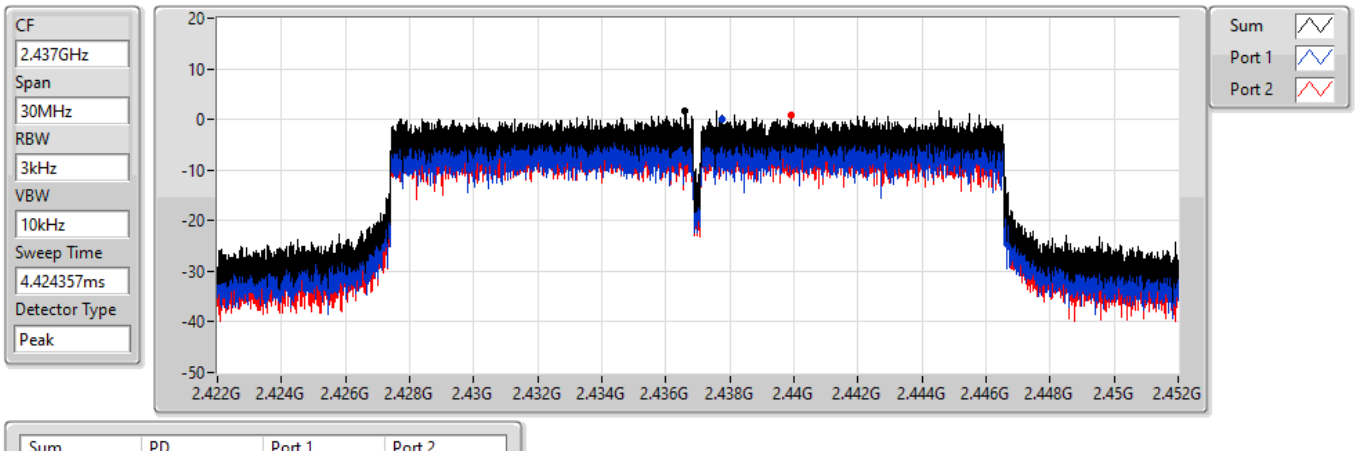
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.91	-2.91	-4.83	-3.82

802.11ax HEW20_Nss2,(MCS0)_2TX PSD

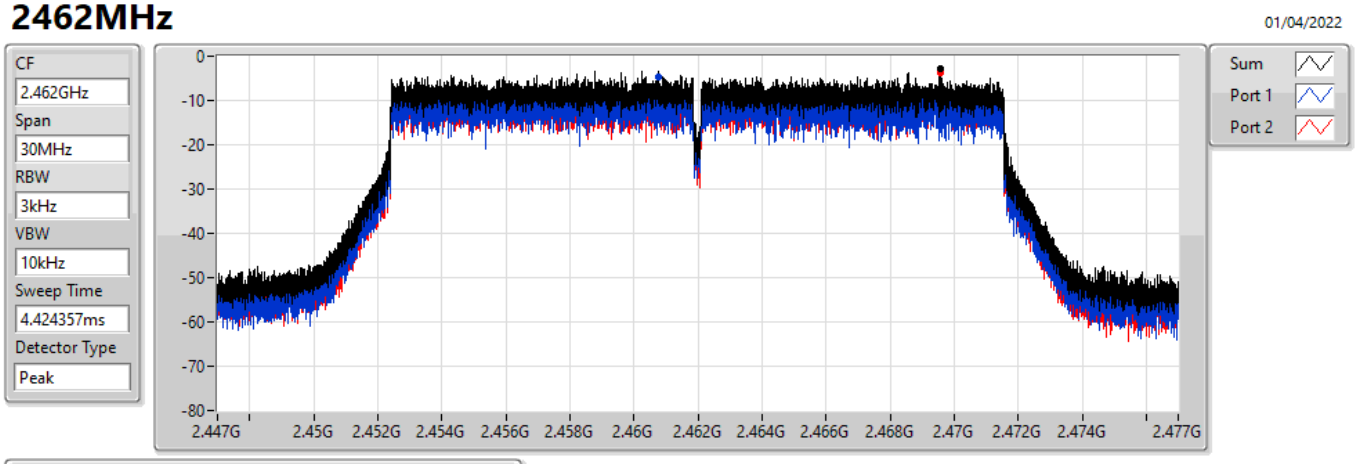
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.70	1.70	0.07	0.91

802.11ax HEW20_Nss2,(MCS0)_2TX PSD

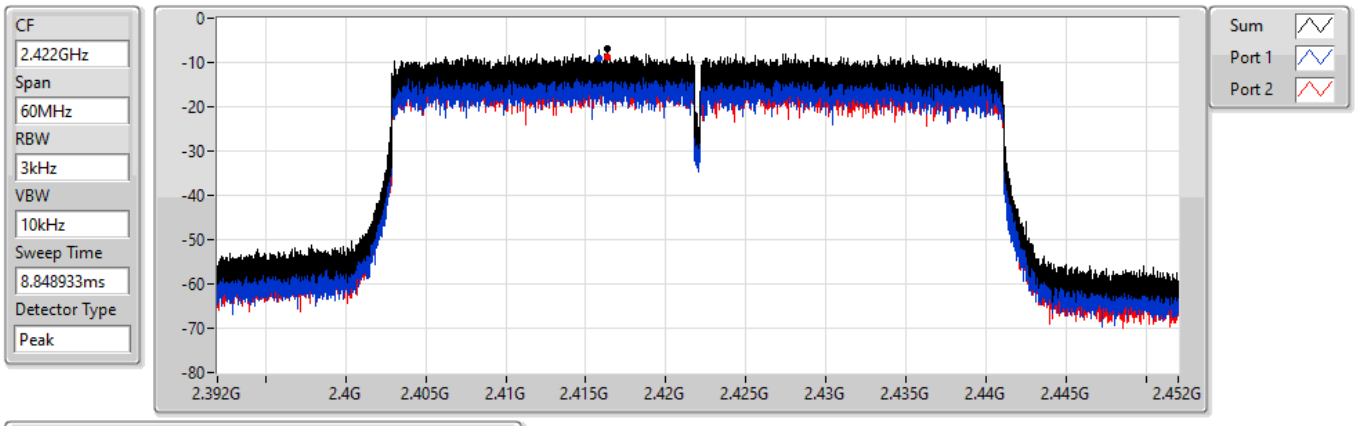
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.74	-2.74	-4.74	-3.84

802.11ax HEW40_Nss2,(MCS0)_2TX PSD

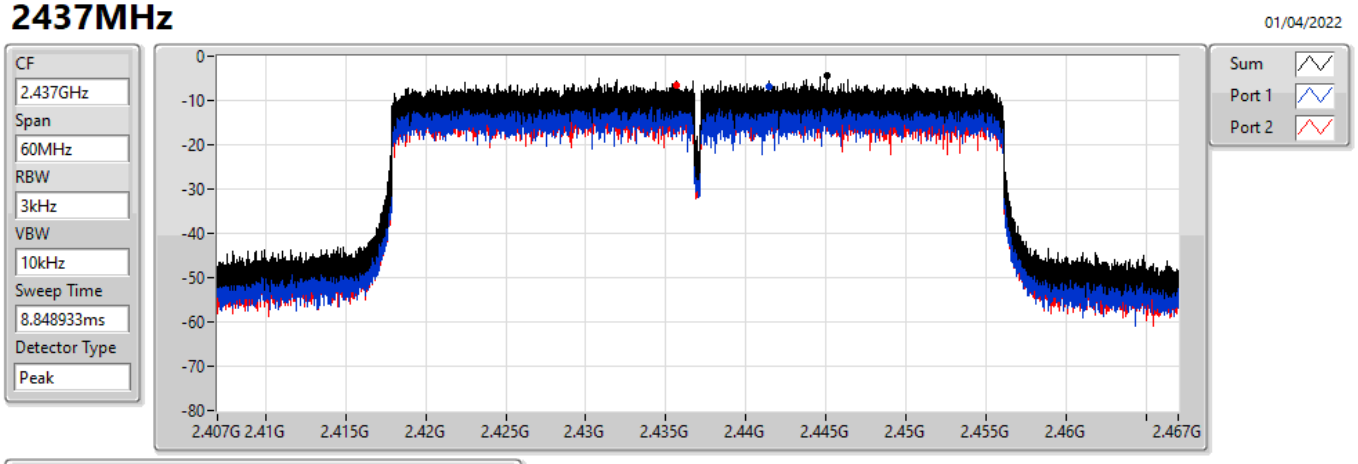
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.02	-7.02	-9.19	-8.62

802.11ax HEW40_Nss2,(MCS0)_2TX PSD

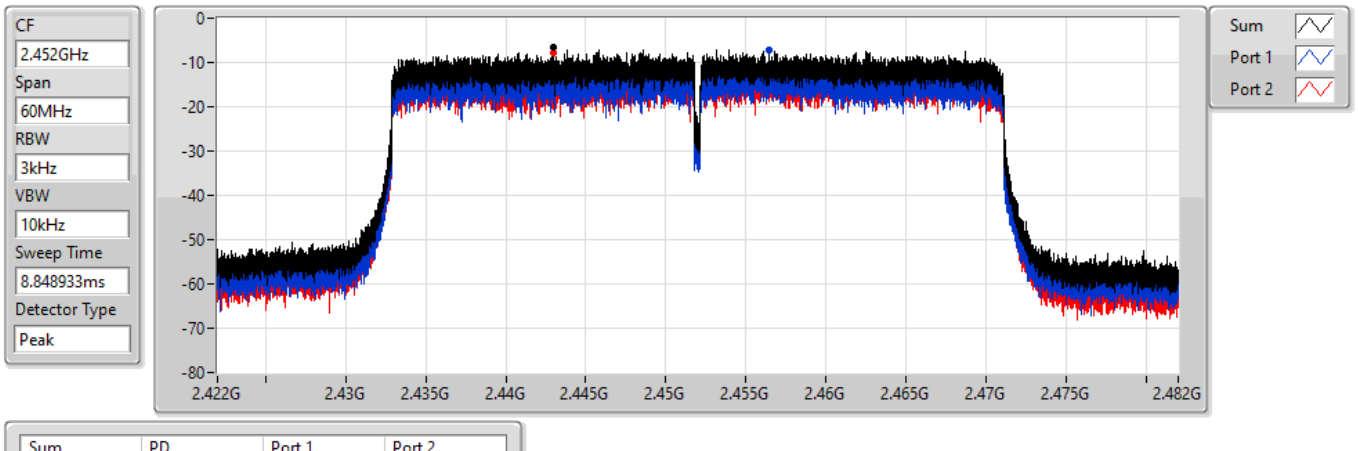
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.47	-4.47	-6.75	-6.60

802.11ax HEW40_Nss2,(MCS0)_2TX PSD

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.50	-6.50	-7.20	-7.69

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	2.42
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-4.11

RBW = 3kHz;

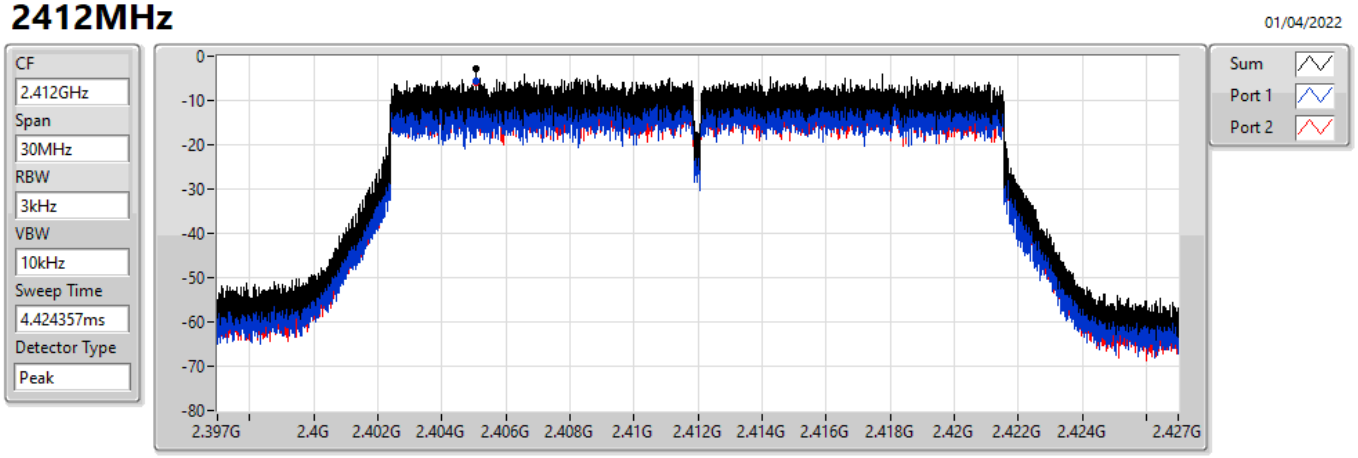
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.838	-5.78	-5.85	-2.83	8.00
2437MHz	Pass	4.838	-0.61	-0.32	2.42	8.00
2462MHz	Pass	4.838	-5.40	-5.79	-3.06	8.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.838	-8.97	-8.91	-6.37	8.00
2437MHz	Pass	4.838	-6.55	-6.53	-4.11	8.00
2452MHz	Pass	4.838	-7.60	-7.36	-5.58	8.00

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

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

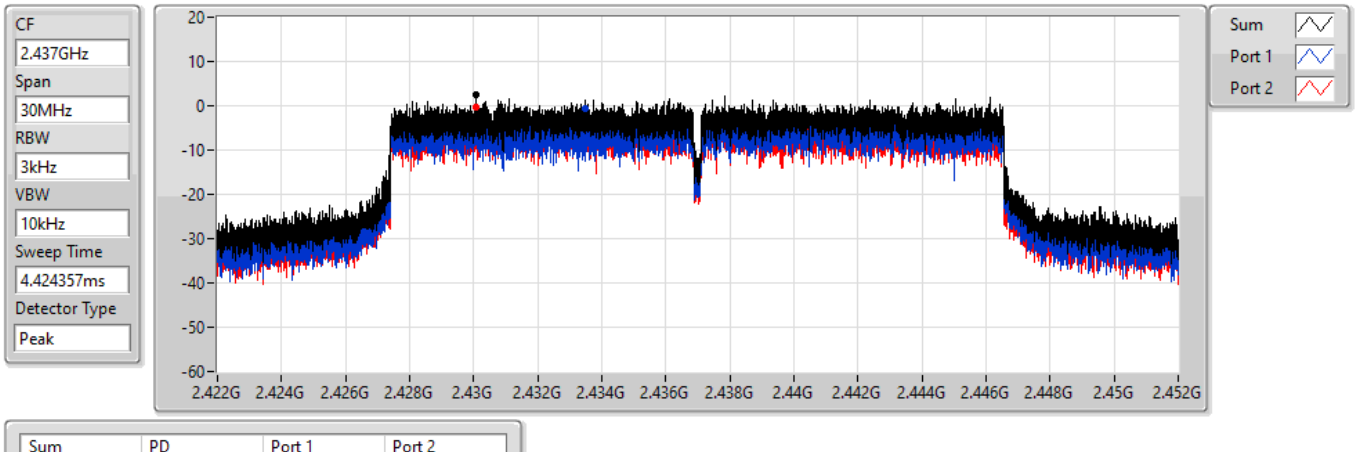
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.83	-2.83	-5.78	-5.85

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

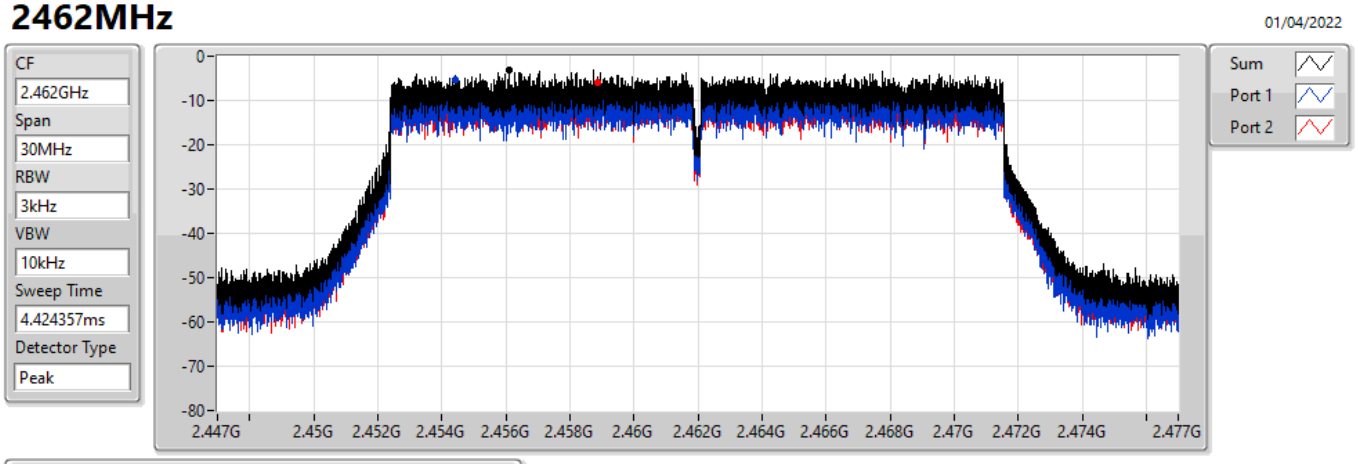
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.42	2.42	-0.61	-0.32

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

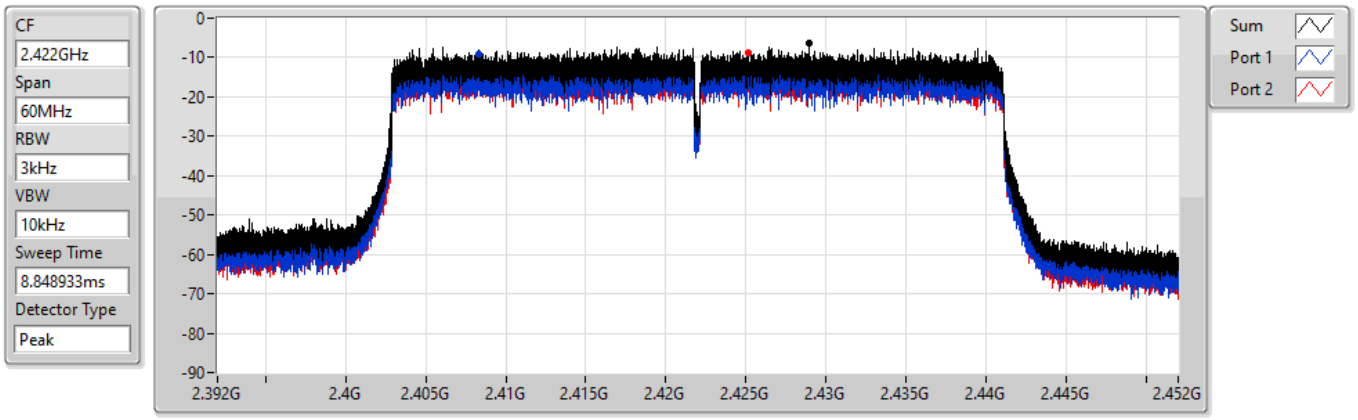
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.06	-3.06	-5.40	-5.79

802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

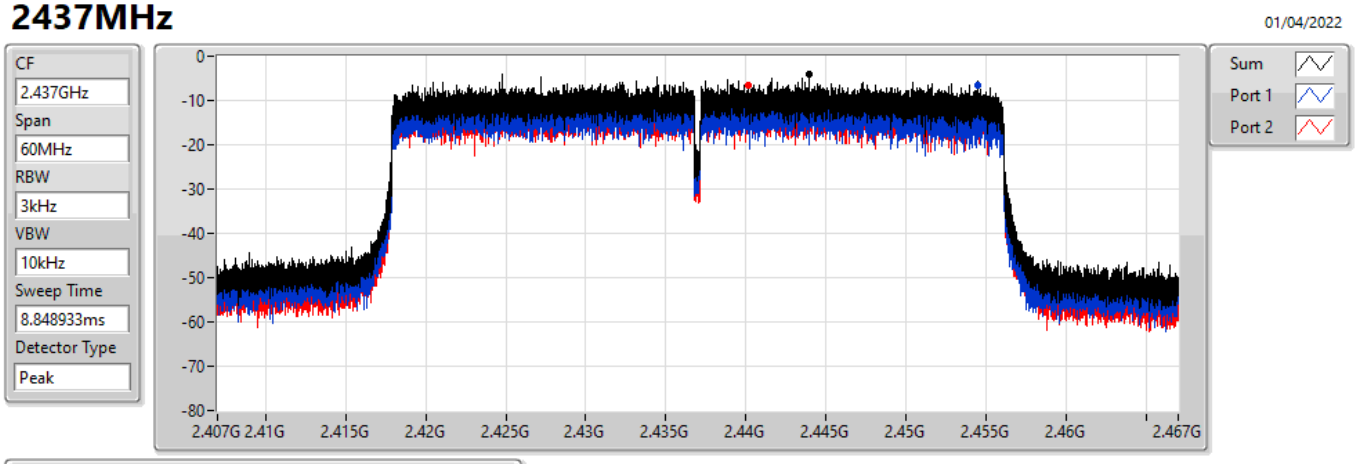
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.37	-6.37	-8.97	-8.91

802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

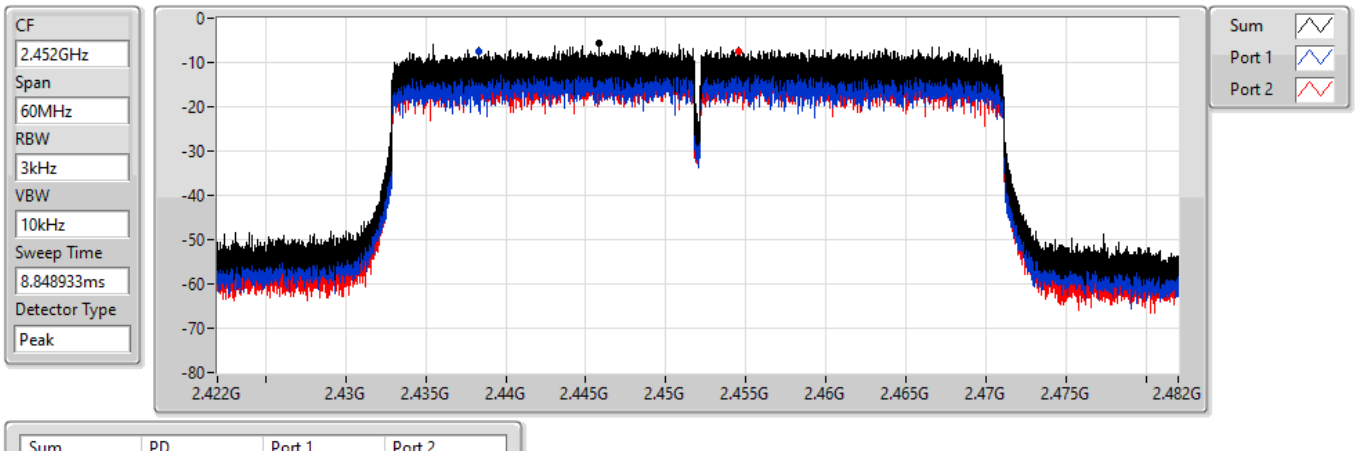
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.11	-4.11	-6.55	-6.53

802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.58	-5.58	-7.60	-7.36

Summary

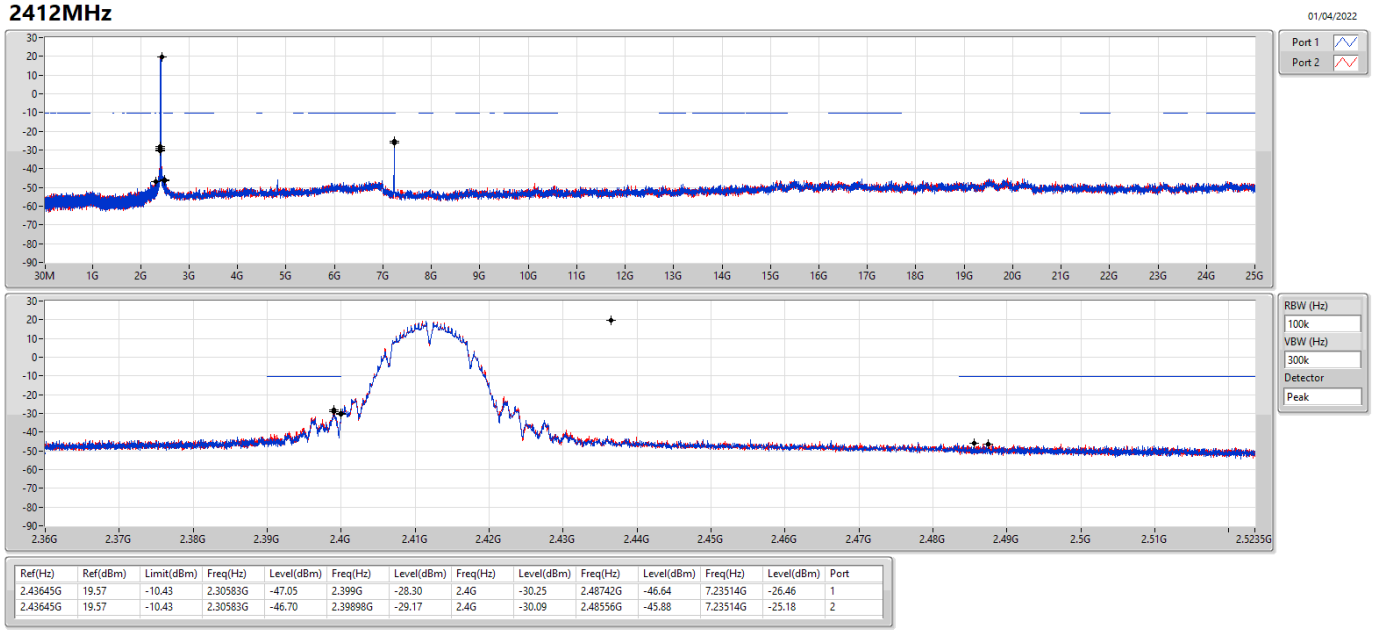
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43645G	19.57	-10.43	2.30583G	-47.05	2.399G	-28.30	2.4G	-30.25	2.48742G	-46.64	7.23514G	-26.46	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.44446G	15.38	-14.62	2.3035G	-50.46	2.39702G	-28.27	2.4G	-31.76	2.48582G	-48.34	7.23514G	-37.56	1
802.11ax HEW20_Nss2,(MCS0)_2TX	Pass	2.43069G	15.56	-14.44	2.30787G	-50.82	2.39936G	-26.54	2.4G	-33.06	2.48762G	-48.86	7.24076G	-37.79	1
802.11ax HEW40_Nss2,(MCS0)_2TX	Pass	2.44075G	8.31	-21.69	2.30025G	-50.30	2.39876G	-26.60	2.4G	-30.41	2.4879G	-36.03	16.8219G	-45.25	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	2.43645G	19.57	-10.43	2.30583G	-47.05	2.399G	-28.30	2.4G	-30.25	2.48742G	-46.64	7.23514G	-26.46	1
2412MHz	Pass	2.43645G	19.57	-10.43	2.30583G	-46.70	2.39898G	-29.17	2.4G	-30.09	2.48556G	-45.88	7.23514G	-25.18	2
2437MHz	Pass	2.43645G	19.57	-10.43	1.94963G	-50.39	2.3983G	-43.82	2.4G	-46.16	2.48438G	-44.76	16.40555G	-46.18	1
2437MHz	Pass	2.43645G	19.57	-10.43	2.30175G	-49.02	2.3982G	-43.60	2.4G	-46.68	2.4839G	-44.77	16.49264G	-45.09	2
2462MHz	Pass	2.43645G	19.57	-10.43	1.96973G	-48.93	2.39746G	-44.75	2.4835G	-46.35	2.4868G	-43.03	6.8727G	-45.84	1
2462MHz	Pass	2.43645G	19.57	-10.43	2.30466G	-50.40	2.3969G	-45.86	2.4835G	-44.24	2.48862G	-42.41	16.75955G	-45.61	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44446G	15.38	-14.62	2.3035G	-50.46	2.39702G	-28.27	2.4G	-31.76	2.48582G	-48.34	7.23514G	-37.56	1
2412MHz	Pass	2.44446G	15.38	-14.62	2.19865G	-51.06	2.3989G	-29.43	2.4G	-29.76	2.50494G	-49.36	7.23795G	-37.51	2
2437MHz	Pass	2.44446G	15.38	-14.62	1.94963G	-48.24	2.3976G	-36.73	2.4G	-39.73	2.48414G	-41.38	6.88113G	-46.42	1
2437MHz	Pass	2.44446G	15.38	-14.62	2.30495G	-48.39	2.39946G	-36.09	2.4G	-40.62	2.48478G	-40.32	16.52636G	-45.59	2
2462MHz	Pass	2.44446G	15.38	-14.62	1.96973G	-50.51	2.39438G	-47.89	2.4835G	-33.40	2.48352G	-33.17	15.13282G	-46.50	1
2462MHz	Pass	2.44446G	15.38	-14.62	2.30204G	-51.46	2.39712G	-47.60	2.4835G	-38.50	2.48354G	-33.30	6.8418G	-45.18	2
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43069G	15.56	-14.44	2.30787G	-50.82	2.39936G	-26.54	2.4G	-33.06	2.48762G	-48.86	7.24076G	-37.79	1
2412MHz	Pass	2.43069G	15.56	-14.44	2.30525G	-50.51	2.39992G	-28.17	2.4G	-30.28	2.51542G	-49.08	7.24076G	-38.72	2
2437MHz	Pass	2.43069G	15.56	-14.44	1.94963G	-48.71	2.3996G	-31.76	2.4G	-35.42	2.48572G	-39.27	24.44933G	-47.08	1
2437MHz	Pass	2.43069G	15.56	-14.44	2.30758G	-48.80	2.39824G	-35.27	2.4G	-37.17	2.48474G	-41.55	6.09164G	-45.28	2
2462MHz	Pass	2.43069G	15.56	-14.44	2.16603G	-51.90	2.39206G	-48.39	2.4835G	-37.09	2.48486G	-35.41	24.89043G	-46.40	1
2462MHz	Pass	2.43069G	15.56	-14.44	2.11127G	-51.88	2.39262G	-48.03	2.4835G	-40.43	2.48382G	-36.45	17.43385G	-45.18	2
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44075G	8.31	-21.69	2.3054G	-49.71	2.39856G	-34.42	2.4G	-36.13	2.4841G	-47.62	7.24712G	-41.99	1
2422MHz	Pass	2.44075G	8.31	-21.69	2.30197G	-50.60	2.39856G	-35.03	2.4G	-38.99	2.48618G	-47.08	7.24431G	-44.41	2
2437MHz	Pass	2.44075G	8.31	-21.69	2.30025G	-50.30	2.39876G	-26.60	2.4G	-30.41	2.4879G	-36.03	16.8219G	-45.25	1
2437MHz	Pass	2.44075G	8.31	-21.69	2.30254G	-49.91	2.39872G	-28.81	2.4G	-31.83	2.4879G	-35.54	16.47133G	-45.93	2
2452MHz	Pass	2.44075G	8.31	-21.69	2.30225G	-49.60	2.39656G	-43.07	2.4835G	-35.88	2.48422G	-35.27	16.70971G	-46.10	1
2452MHz	Pass	2.44075G	8.31	-21.69	2.30311G	-52.27	2.39912G	-43.87	2.4835G	-43.24	2.4885G	-37.73	6.96666G	-46.35	2

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

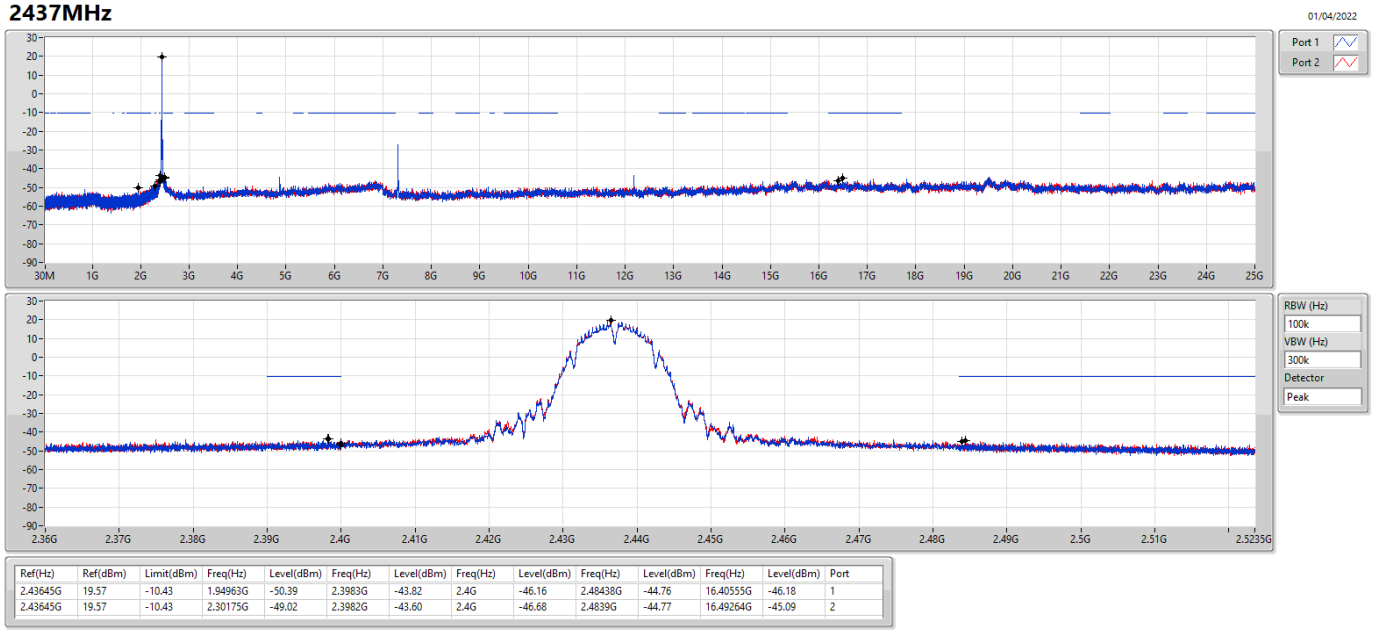
2412MHz



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
2.43645G	19.57	-10.43	2.30583G	-47.05	2.399G	-28.30	2.4G	-30.25	2.48742G	-46.64	7.23514G	-26.46	1
2.43645G	19.57	-10.43	2.30583G	-46.70	2.39898G	-29.17	2.4G	-30.09	2.48556G	-45.88	7.23514G	-25.18	2

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

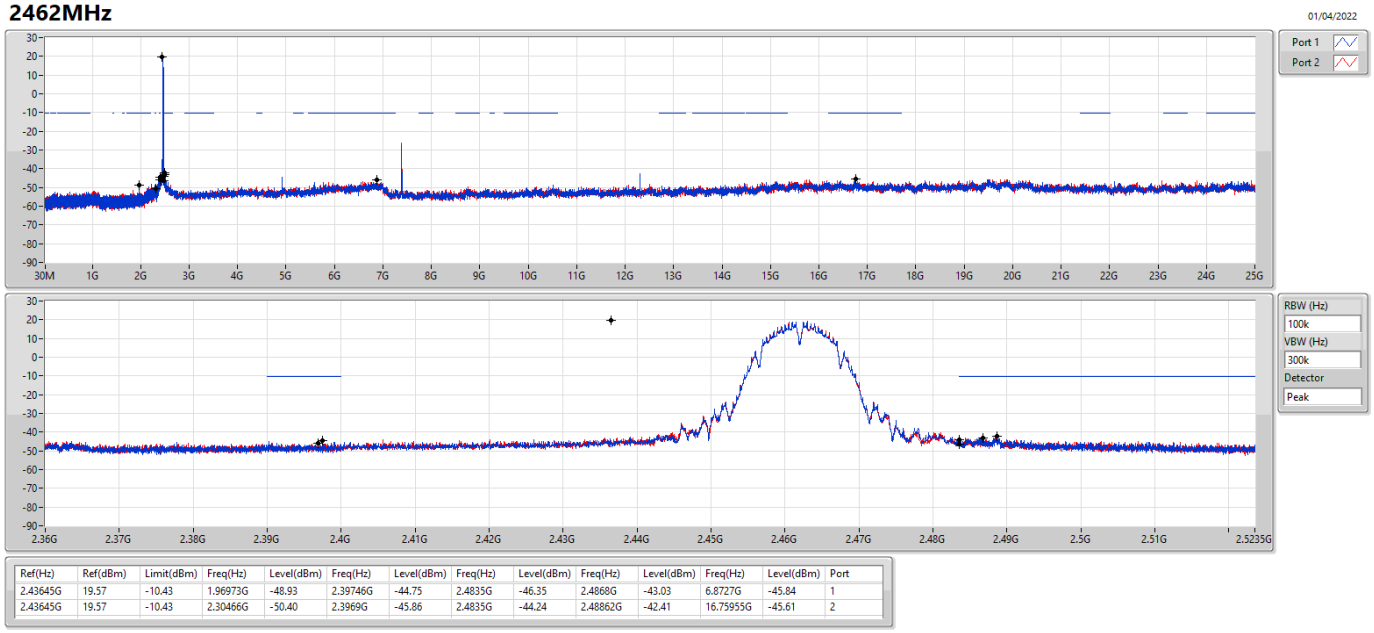
2437MHz



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
2.43645G	19.57	-10.43	1.94963G	-50.39	2.3983G	-43.82	2.4G	-46.16	2.48438G	-44.76	16.40555G	-46.18	1
2.43645G	19.57	-10.43	2.30175G	-49.02	2.3982G	-43.60	2.4G	-46.68	2.4839G	-44.77	16.49264G	-45.09	2

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

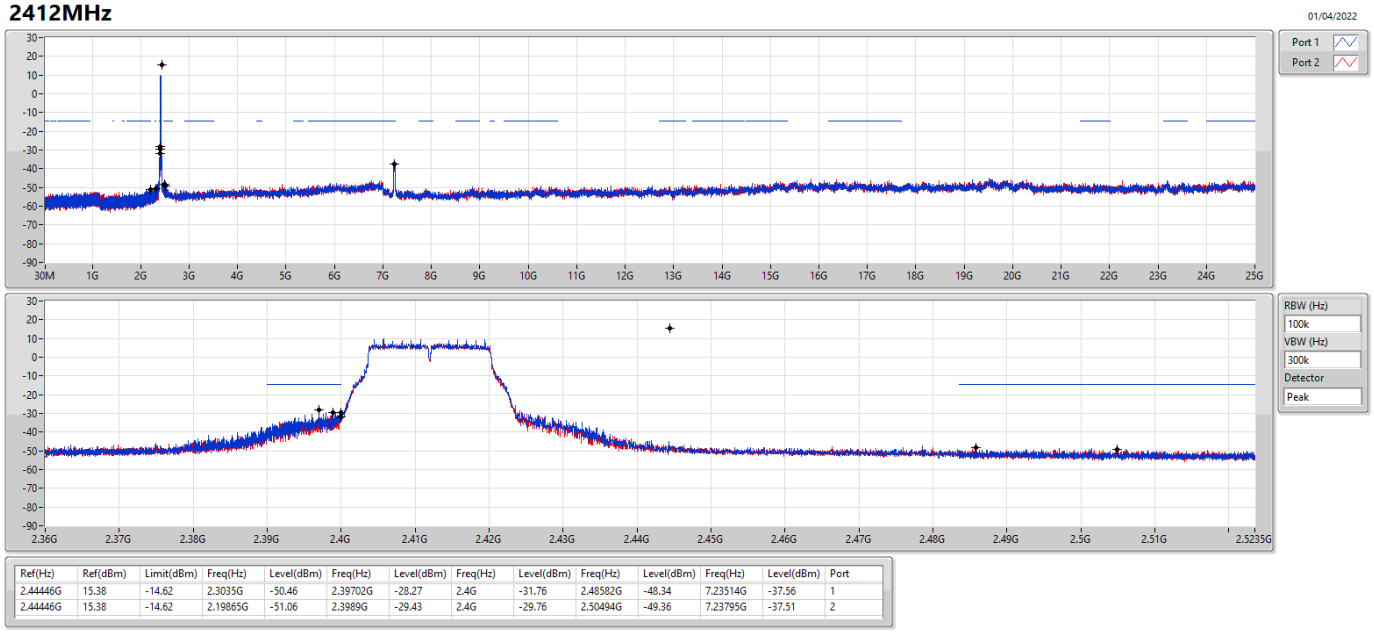
2462MHz



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
2.43645G	19.57	-10.43	1.96973G	-48.93	2.39746G	-44.75	2.4835G	-46.35	2.4868G	-43.03	6.8727G	-45.84	1
2.43645G	19.57	-10.43	2.30466G	-50.40	2.3969G	-45.86	2.4835G	-44.24	2.48862G	-42.41	16.75955G	-45.61	2

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

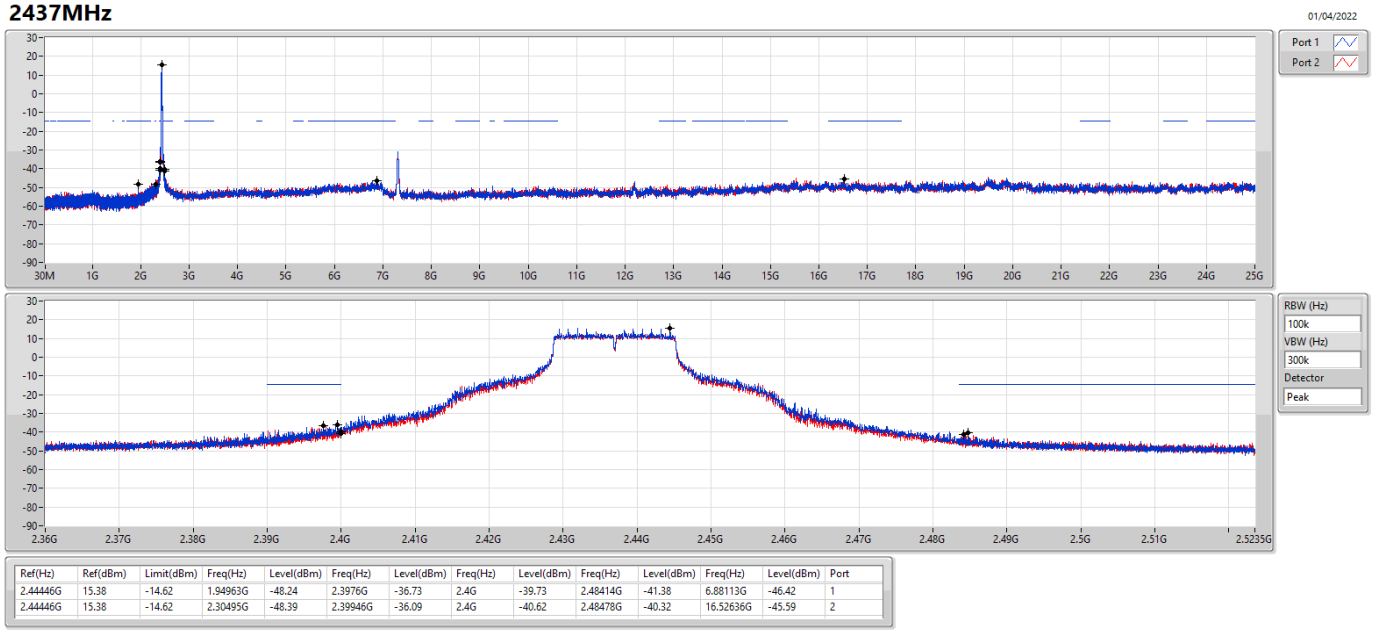
2412MHz



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
2.44446G	15.38	-14.62	2.3035G	-50.46	2.39702G	-28.27	2.4G	-31.76	2.48582G	-48.34	7.23514G	-37.56	1
2.44446G	15.38	-14.62	2.19865G	-51.06	2.3989G	-29.43	2.4G	-29.76	2.50494G	-49.36	7.23795G	-37.51	2

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

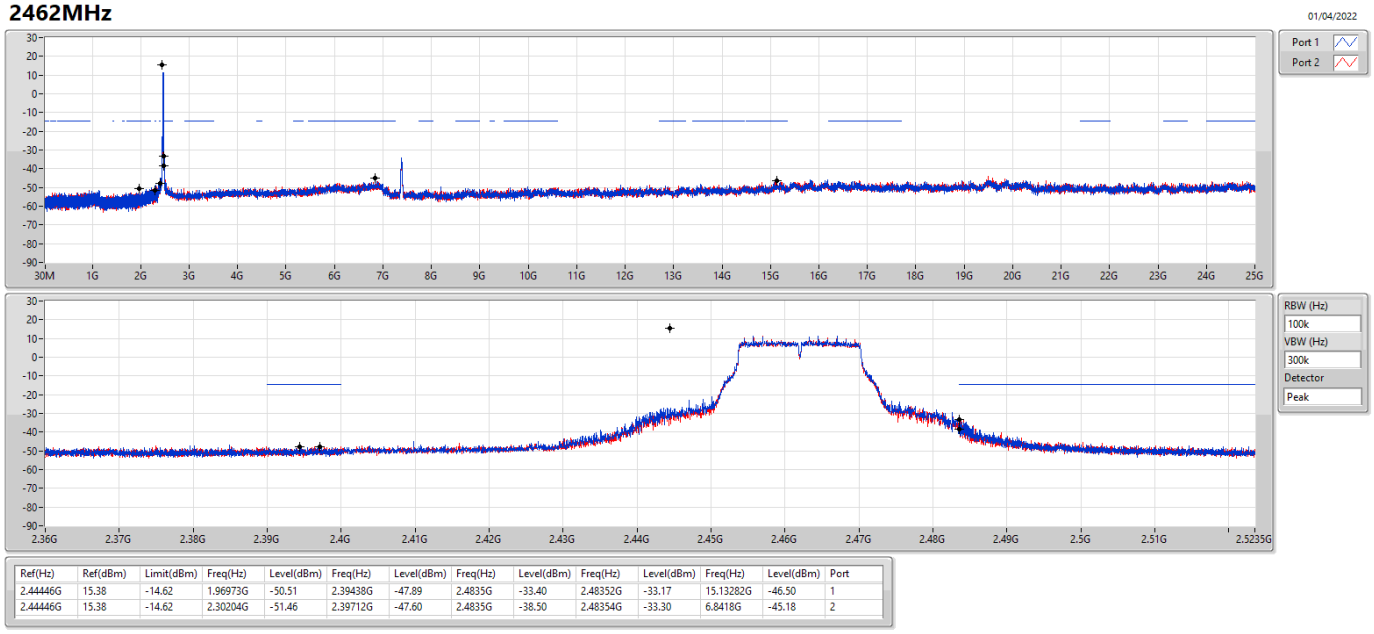
2437MHz



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
2.44446G	15.38	-14.62	1.94963G	-48.24	2.3976G	-36.73	2.4G	-39.73	2.48414G	-41.38	6.88113G	-46.42	1
2.44446G	15.38	-14.62	2.30495G	-48.39	2.39946G	-36.09	2.4G	-40.62	2.48478G	-40.32	16.52636G	-45.59	2

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

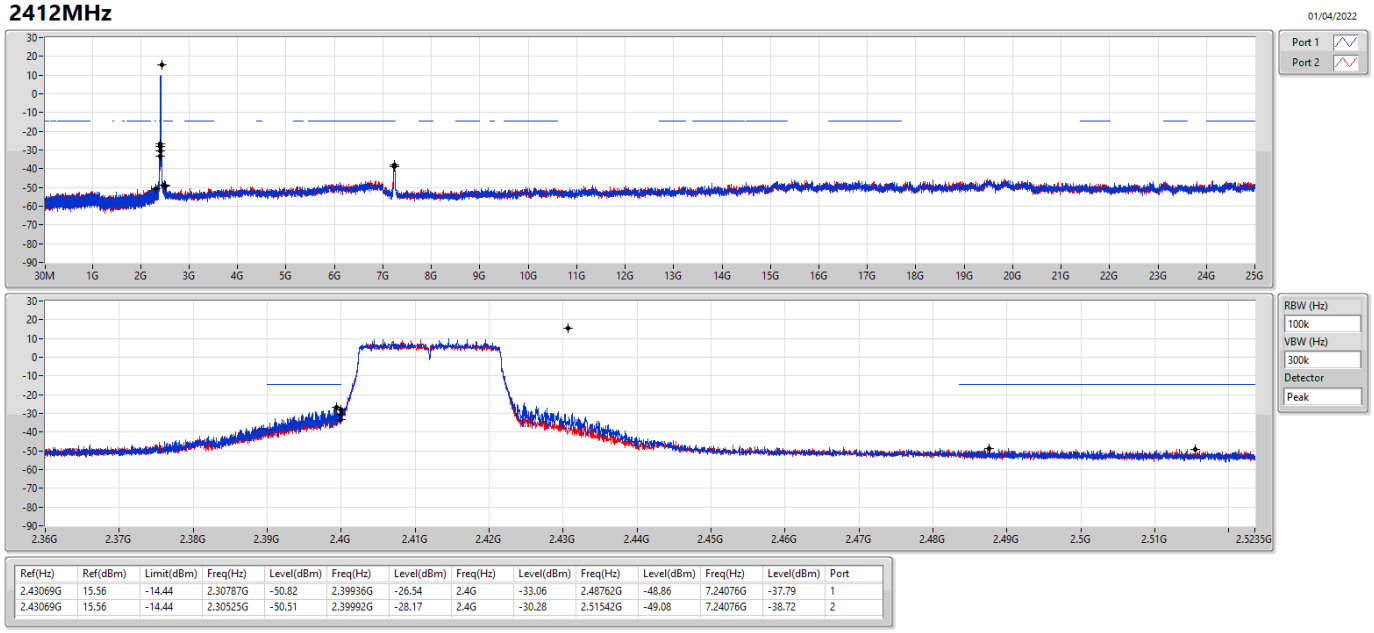
2462MHz



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
2.44446G	15.38	-14.62	1.96973G	-50.51	2.39438G	-47.89	2.4835G	-33.40	2.48352G	-33.17	15.13282G	-46.50	1
2.44446G	15.38	-14.62	2.30204G	-51.46	2.39712G	-47.60	2.4835G	-38.50	2.48354G	-33.30	6.8418G	-45.18	2

802.11ax HEW20_Nss2,(MCS0)_2TX **CSENdB**

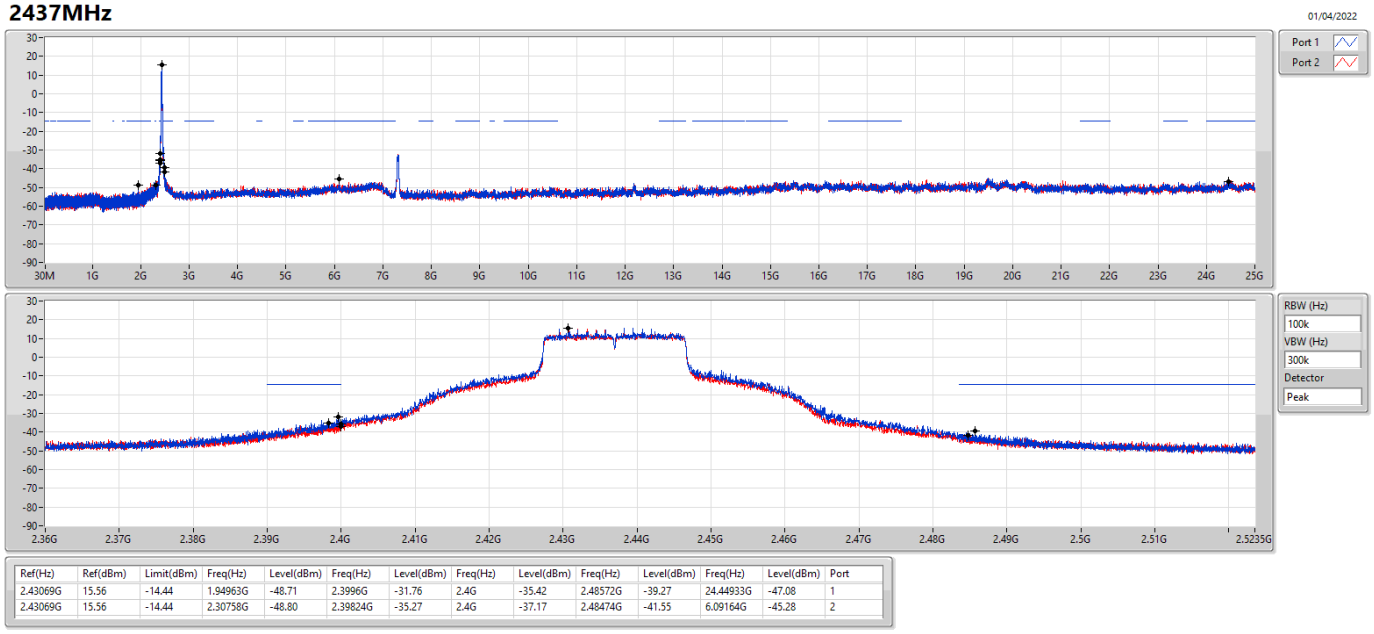
2412MHz



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
2.43069G	15.56	-14.44	2.30787G	-50.82	2.39936G	-26.54	2.4G	-33.06	2.48762G	-48.86	7.24076G	-37.79	1
2.43069G	15.56	-14.44	2.30525G	-50.51	2.39992G	-28.17	2.4G	-30.28	2.51542G	-49.08	7.24076G	-38.72	2

802.11ax HEW20_Nss2,(MCS0)_2TX **CSENdB**

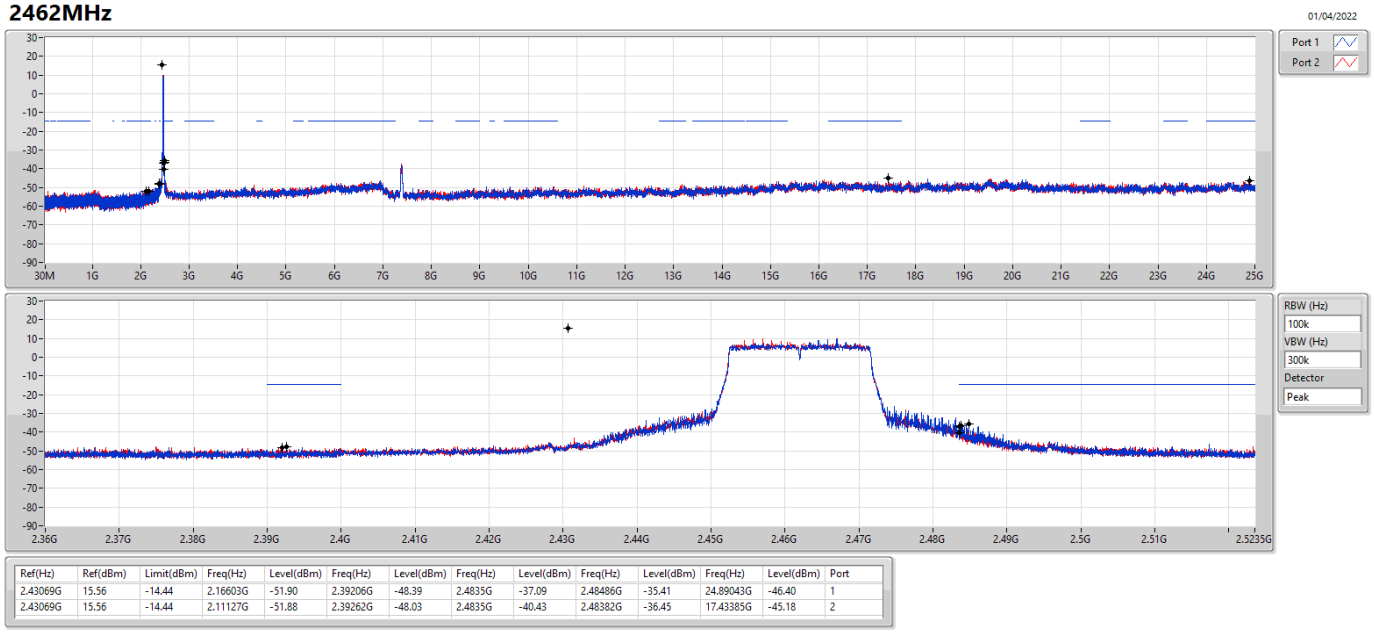
2437MHz



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
2.43069G	15.56	-14.44	1.94963G	-48.71	2.3996G	-31.76	2.4G	-35.42	2.48572G	-39.27	24.44933G	-47.08	1
2.43069G	15.56	-14.44	2.30758G	-48.80	2.39824G	-35.27	2.4G	-37.17	2.48474G	-41.55	6.09164G	-45.28	2

802.11ax HEW20_Nss2,(MCS0)_2TX **CSENdB**

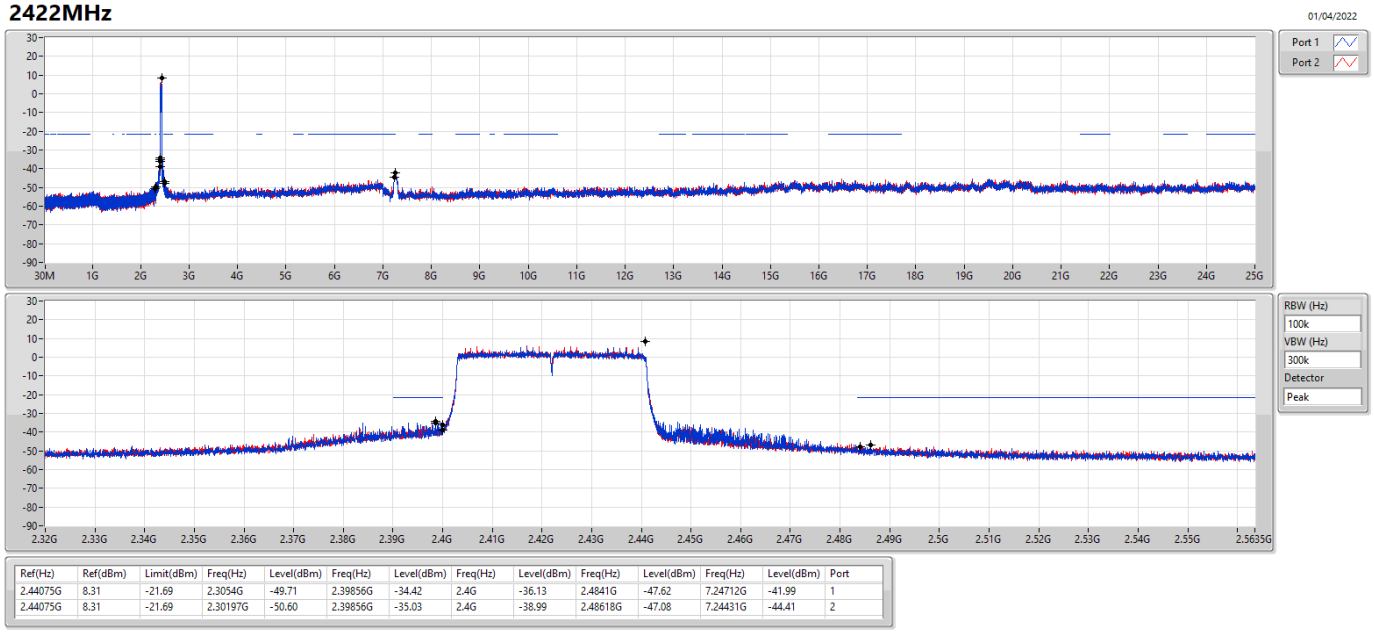
2462MHz



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
2.43069G	15.56	-14.44	2.16603G	-51.90	2.39206G	-48.39	2.4835G	-37.09	2.48486G	-35.41	24.89043G	-46.40	1
2.43069G	15.56	-14.44	2.11127G	-51.88	2.39262G	-48.03	2.4835G	-40.43	2.48382G	-36.45	17.43385G	-45.18	2

802.11ax HEW40_Nss2,(MCS0)_2TX **CSENdB**

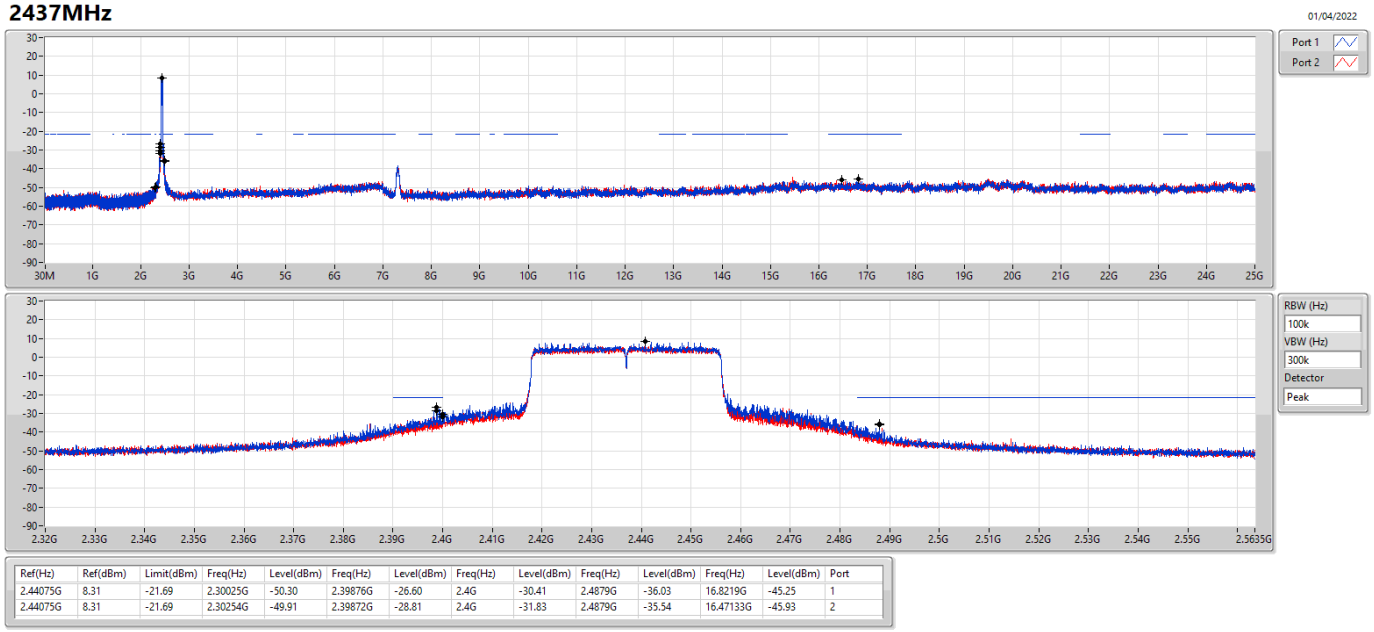
2422MHz



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
2.44075G	8.31	-21.69	2.3054G	-49.71	2.39856G	-34.42	2.4G	-36.13	2.4841G	-47.62	7.24712G	-41.99	1
2.44075G	8.31	-21.69	2.30197G	-50.60	2.39856G	-35.03	2.4G	-38.99	2.48618G	-47.08	7.24431G	-44.41	2

802.11ax HEW40_Nss2,(MCS0)_2TX **CSENdB**

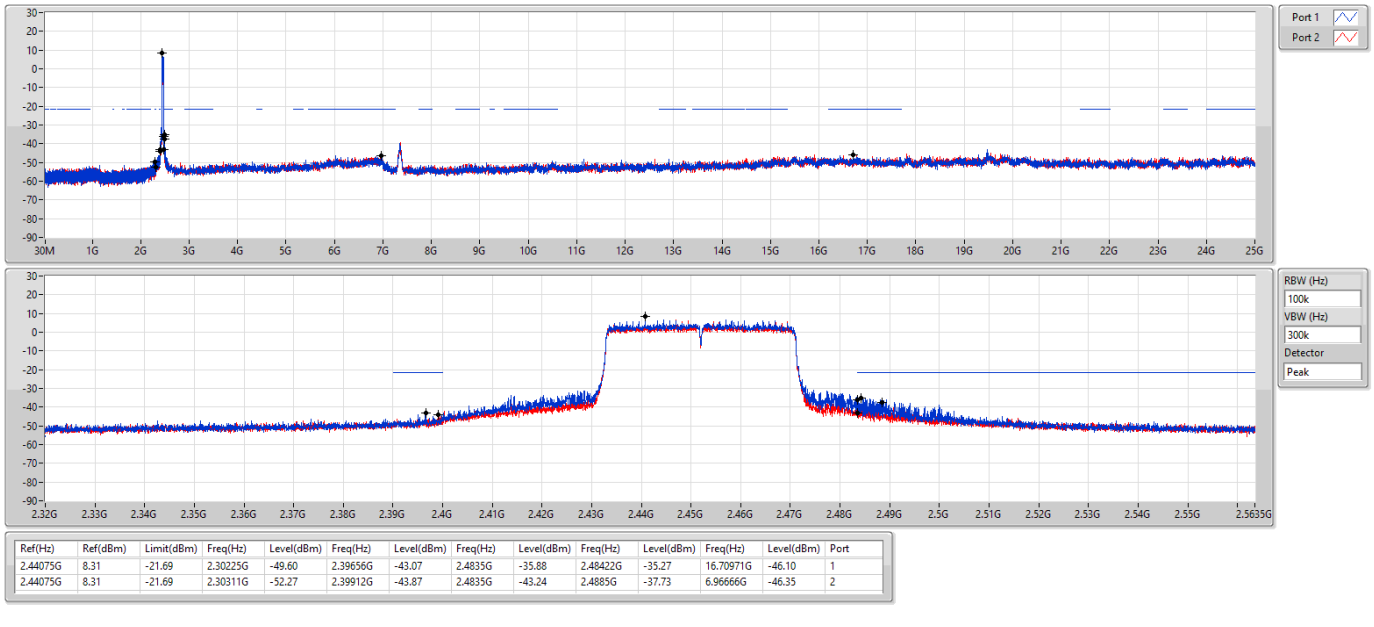
2437MHz



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
2.44075G	8.31	-21.69	2.30025G	-50.30	2.39876G	-26.60	2.4G	-30.41	2.4879G	-36.03	16.8219G	-45.25	1
2.44075G	8.31	-21.69	2.30254G	-49.91	2.39872G	-28.81	2.4G	-31.83	2.4879G	-35.54	16.47133G	-45.93	2

802.11ax HEW40_Nss2,(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
2.44075G	8.31	-21.69	2.30225G	-49.60	2.39656G	-43.07	2.4835G	-35.88	2.48422G	-35.27	16.70971G	-46.10	1
2.44075G	8.31	-21.69	2.30311G	-52.27	2.39912G	-43.87	2.4835G	-43.24	2.4885G	-37.73	6.96666G	-46.35	2

Summary

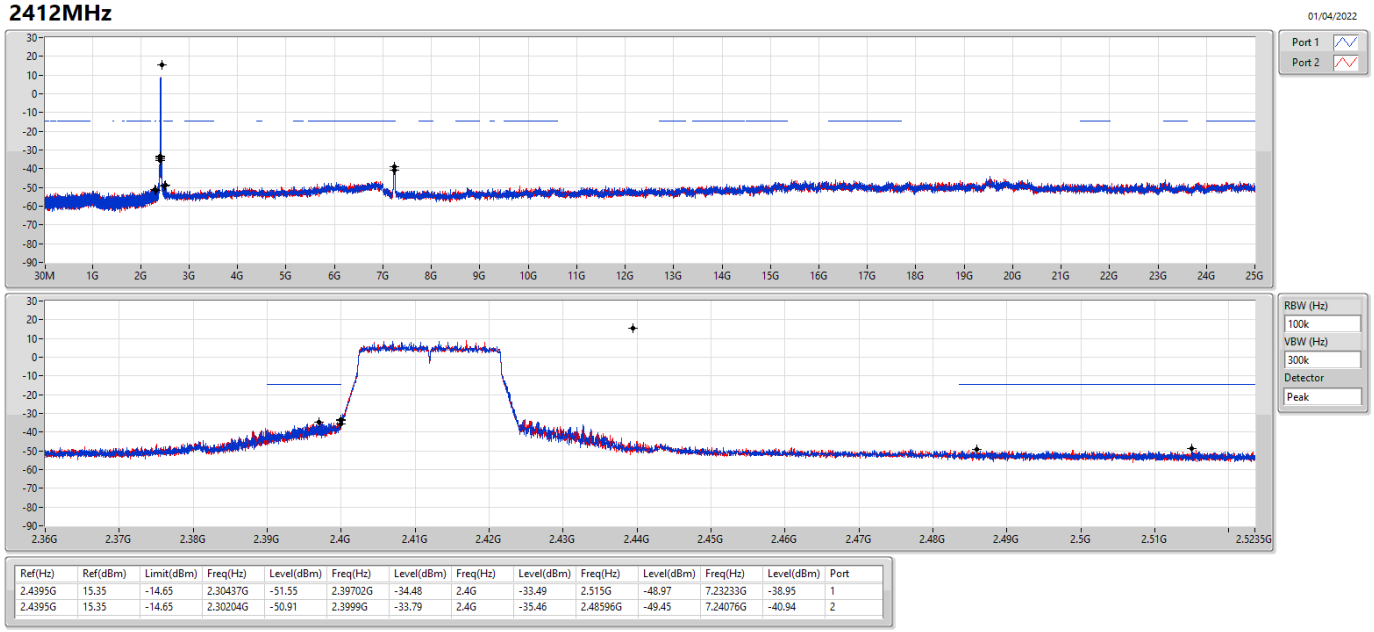
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	Pass	2.4395G	15.35	-14.65	2.30437G	-51.55	2.39702G	-34.48	2.4G	-33.49	2.515G	-48.97	7.23233G	-38.95	1
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	Pass	2.44075G	7.84	-22.16	2.30139G	-50.53	2.39828G	-31.68	2.4G	-36.72	2.48722G	-36.66	16.75739G	-45.83	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
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4395G	15.35	-14.65	2.30437G	-51.55	2.39702G	-34.48	2.4G	-33.49	2.515G	-48.97	7.23233G	-38.95	1
2412MHz	Pass	2.4395G	15.35	-14.65	2.30204G	-50.91	2.3999G	-33.79	2.4G	-35.46	2.48596G	-49.45	7.24076G	-40.94	2
2437MHz	Pass	2.4395G	15.35	-14.65	1.94963G	-49.00	2.39984G	-34.59	2.4G	-36.38	2.48428G	-40.88	24.76119G	-46.63	1
2437MHz	Pass	2.4395G	15.35	-14.65	2.3067G	-47.50	2.39886G	-34.99	2.4G	-38.66	2.48508G	-42.06	16.4505G	-45.89	2
2462MHz	Pass	2.4395G	15.35	-14.65	1.96973G	-51.59	2.3952G	-48.23	2.4835G	-42.04	2.48362G	-35.42	24.43809G	-45.49	1
2462MHz	Pass	2.4395G	15.35	-14.65	2.15554G	-51.46	2.39686G	-48.43	2.4835G	-40.88	2.48382G	-35.83	16.44488G	-45.95	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44075G	7.84	-22.16	2.19262G	-51.41	2.398G	-35.81	2.4G	-37.03	2.48882G	-47.29	7.24992G	-43.67	1
2422MHz	Pass	2.44075G	7.84	-22.16	2.30741G	-47.29	2.39808G	-36.65	2.4G	-38.66	2.48782G	-47.50	7.24431G	-45.18	2
2437MHz	Pass	2.44075G	7.84	-22.16	2.30139G	-50.53	2.39828G	-31.68	2.4G	-36.72	2.48722G	-36.66	16.75739G	-45.83	1
2437MHz	Pass	2.44075G	7.84	-22.16	2.3097G	-49.35	2.39944G	-33.15	2.4G	-39.04	2.4873G	-41.00	16.25818G	-46.59	2
2452MHz	Pass	2.44075G	7.84	-22.16	2.17487G	-51.55	2.39804G	-42.70	2.4835G	-41.00	2.4853G	-35.05	24.90464G	-45.89	1
2452MHz	Pass	2.44075G	7.84	-22.16	2.1076G	-50.48	2.3998G	-44.54	2.4835G	-42.28	2.48386G	-37.32	15.13916G	-45.82	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX **CSENdB**

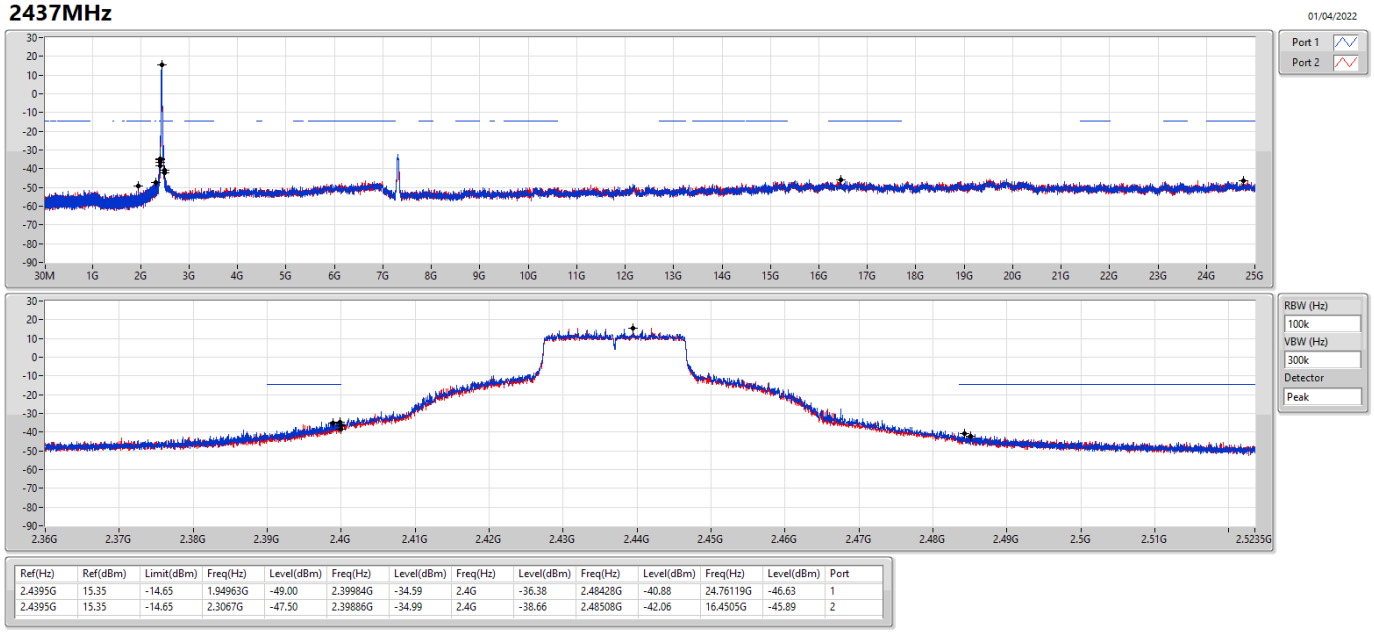
2412MHz



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
2.4395G	15.35	-14.65	2.30437G	-51.55	2.39702G	-34.48	2.4G	-33.49	2.515G	-48.97	7.23233G	-38.95	1
2.4395G	15.35	-14.65	2.30204G	-50.91	2.3999G	-33.79	2.4G	-35.46	2.48596G	-49.45	7.24076G	-40.94	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX **CSENdB**

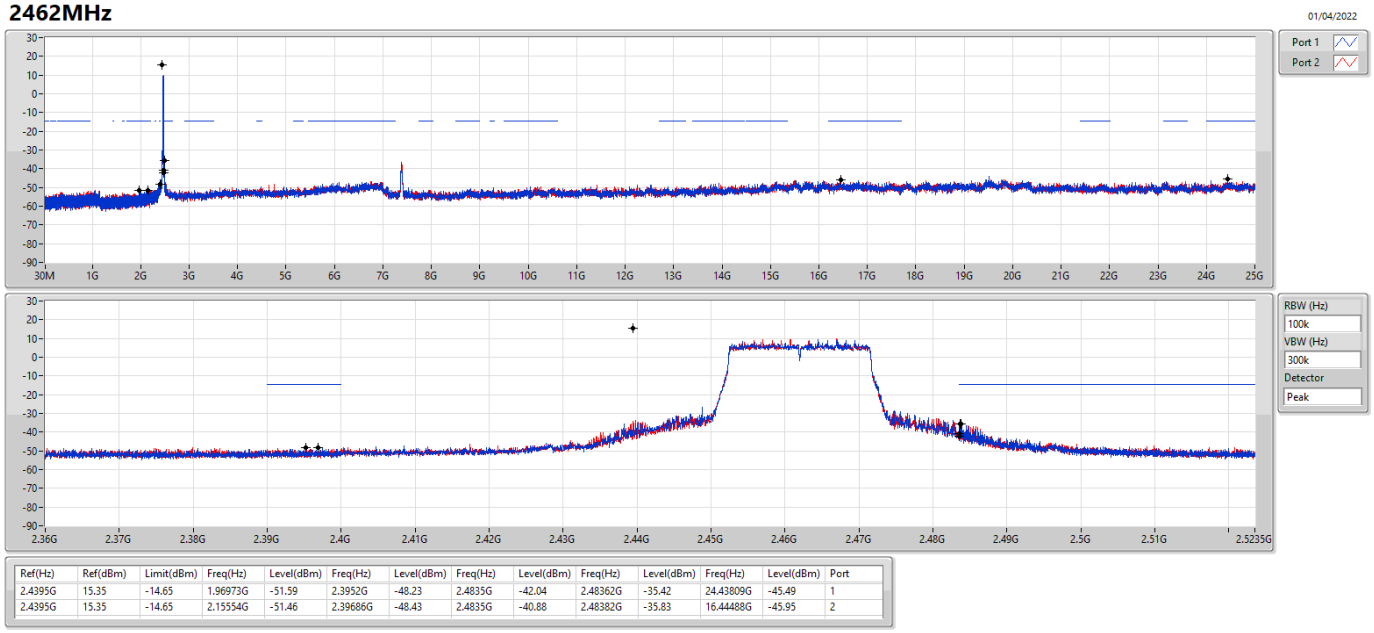
2437MHz



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
2.4395G	15.35	-14.65	1.94963G	-49.00	2.39984G	-34.59	2.4G	-36.38	2.48428G	-40.88	24.76119G	-46.63	1
2.4395G	15.35	-14.65	2.3067G	-47.50	2.39886G	-34.99	2.4G	-38.66	2.48508G	-42.06	16.4505G	-45.89	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX **CSENdB**

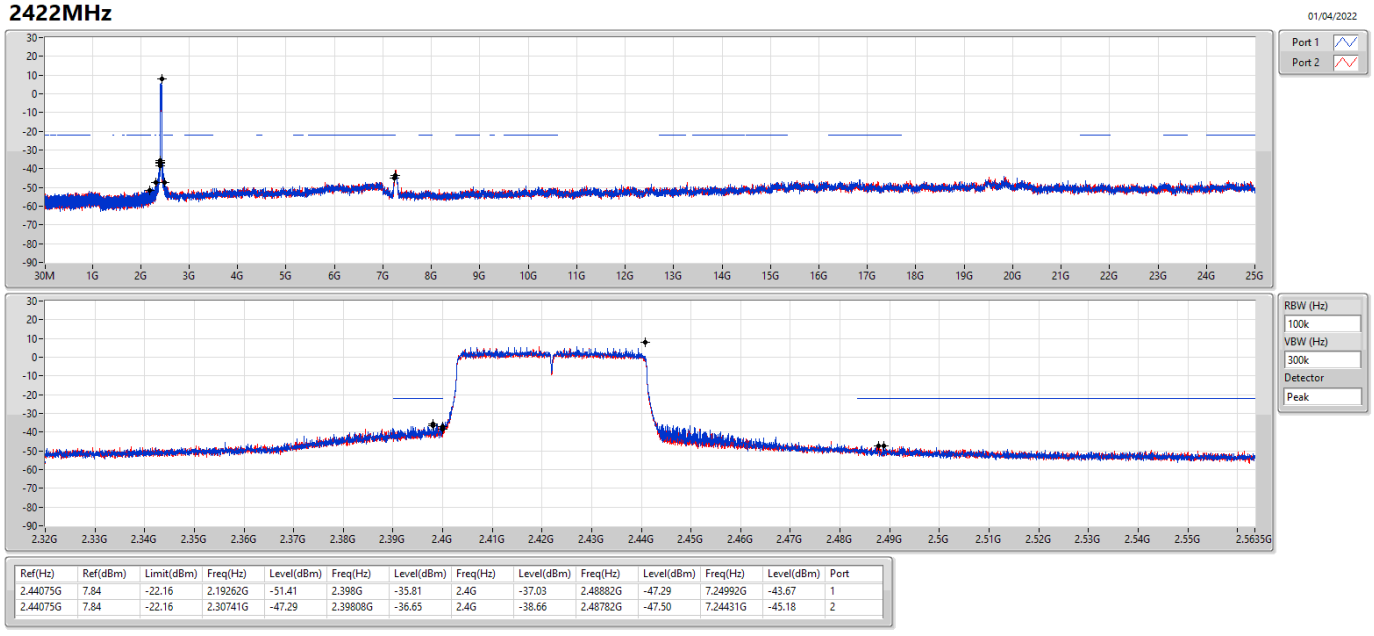
2462MHz



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
2.4395G	15.35	-14.65	1.96973G	-51.59	2.3952G	-48.23	2.4835G	-42.04	2.48362G	-35.42	24.43809G	-45.49	1
2.4395G	15.35	-14.65	2.15554G	-51.46	2.39686G	-48.43	2.4835G	-40.88	2.48382G	-35.83	16.44488G	-45.95	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX **CSENdB**

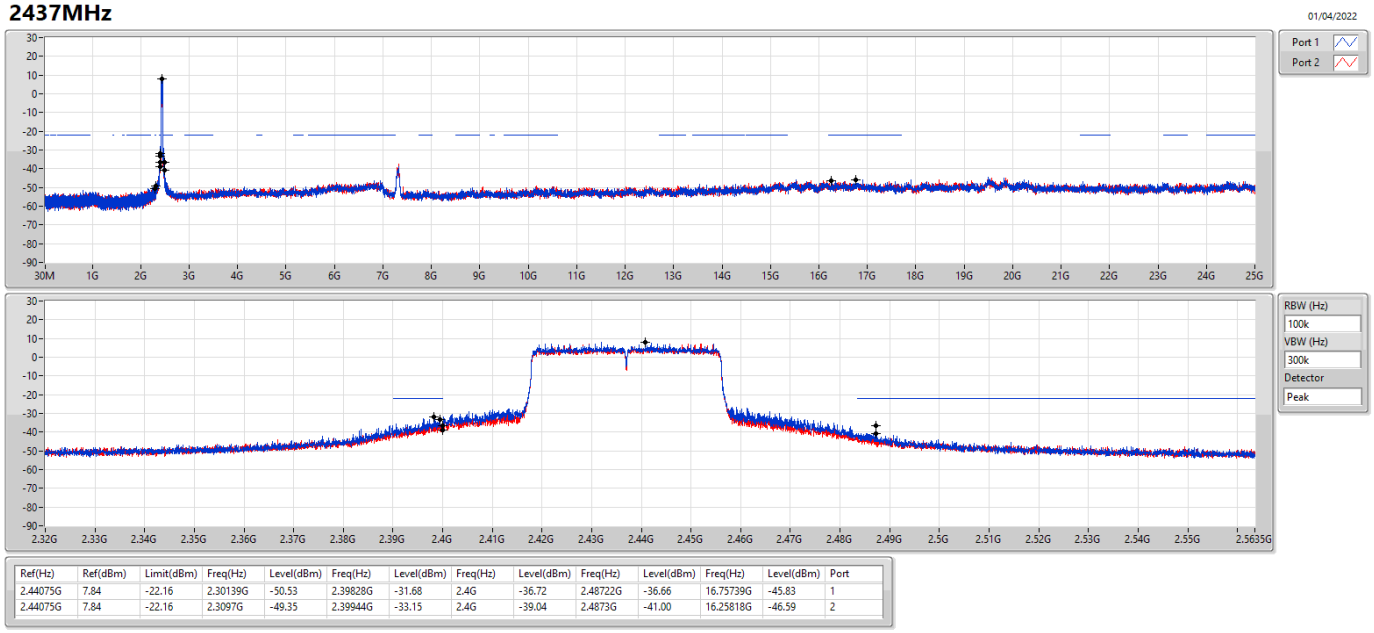
2422MHz



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
2.44075G	7.84	-22.16	2.19262G	-51.41	2.398G	-35.81	2.4G	-37.03	2.48882G	-47.29	7.24992G	-43.67	1
2.44075G	7.84	-22.16	2.30741G	-47.29	2.39808G	-36.65	2.4G	-38.66	2.48782G	-47.50	7.24431G	-45.18	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX **CSENdB**

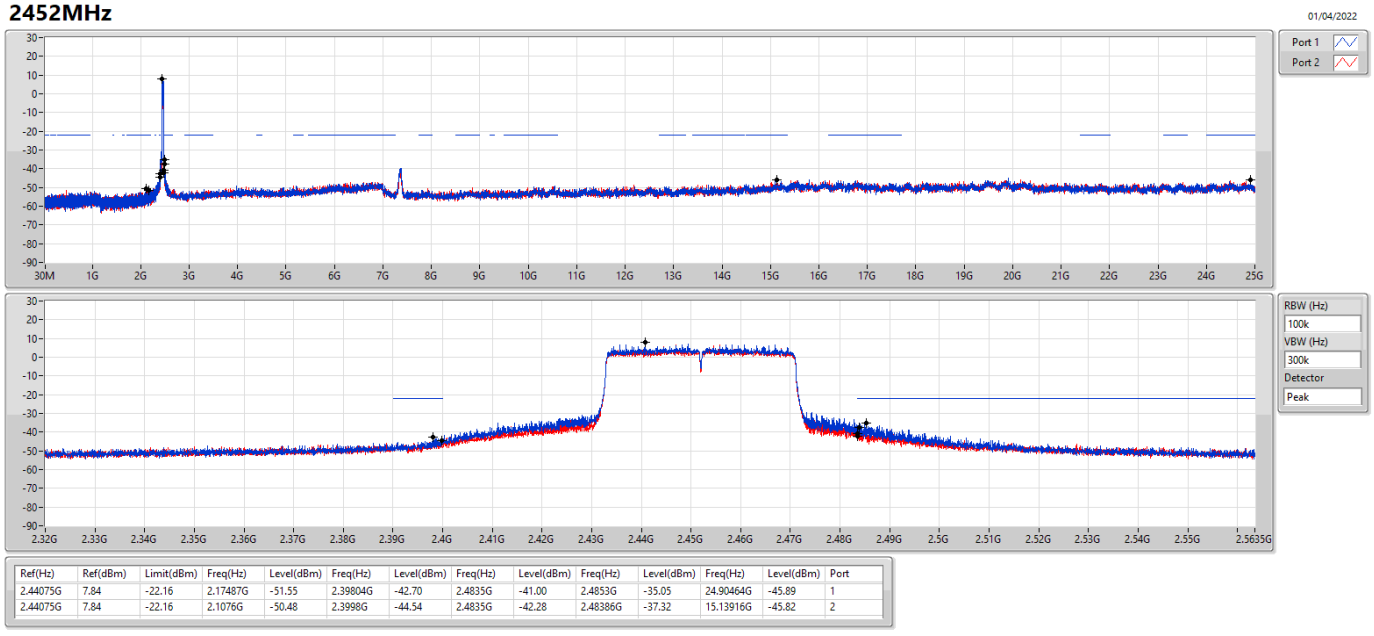
2437MHz



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
2.44075G	7.84	-22.16	2.30139G	-50.53	2.39828G	-31.68	2.4G	-36.72	2.48722G	-36.66	16.75739G	-45.83	1
2.44075G	7.84	-22.16	2.3097G	-49.35	2.39944G	-33.15	2.4G	-39.04	2.4873G	-41.00	16.25818G	-46.59	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX **CSENdB**

2452MHz

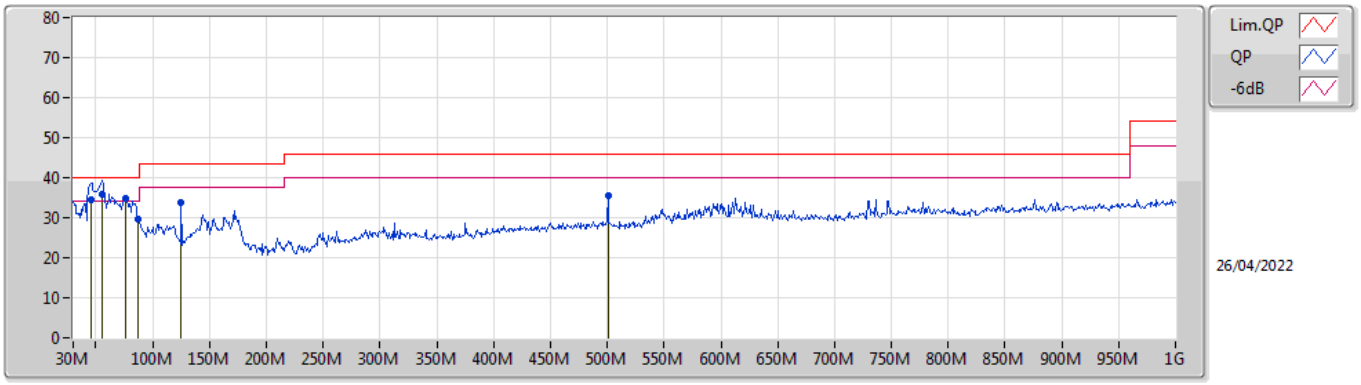


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44075G	7.84	-22.16	2.17487G	-51.55	2.39804G	-42.70	2.4835G	-41.00	2.4853G	-35.05	24.90464G	-45.89	1
2.44075G	7.84	-22.16	2.1076G	-50.48	2.3998G	-44.54	2.4835G	-42.28	2.48386G	-37.32	15.13916G	-45.82	2

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	QP	55.22M	35.97	40.00	-4.03	Vertical

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
QP	45.52M	34.56	40.00	-5.44	-10.94	3	Vertical	40	1.00	-	45.50	16.15	1.39	28.48
QP	55.22M	35.97	40.00	-4.03	-14.43	3	Vertical	228	1.00	"Worst"	50.40	12.75	1.31	28.49
PK	75.59M	34.93	40.00	-5.07	-14.32	3	Vertical	351	2.00	"	49.25	12.73	1.49	28.54
PK	87.23M	29.51	40.00	-10.49	-12.90	3	Vertical	68	1.25	-	42.41	14.11	1.50	28.51
PK	125.06M	33.92	43.50	-9.58	-8.85	3	Vertical	169	1.00	-	42.77	17.74	1.70	28.29
PK	500.45M	35.39	46.00	-10.61	-2.85	3	Vertical	170	2.00	-	38.24	23.21	3.10	29.16

Mode 1

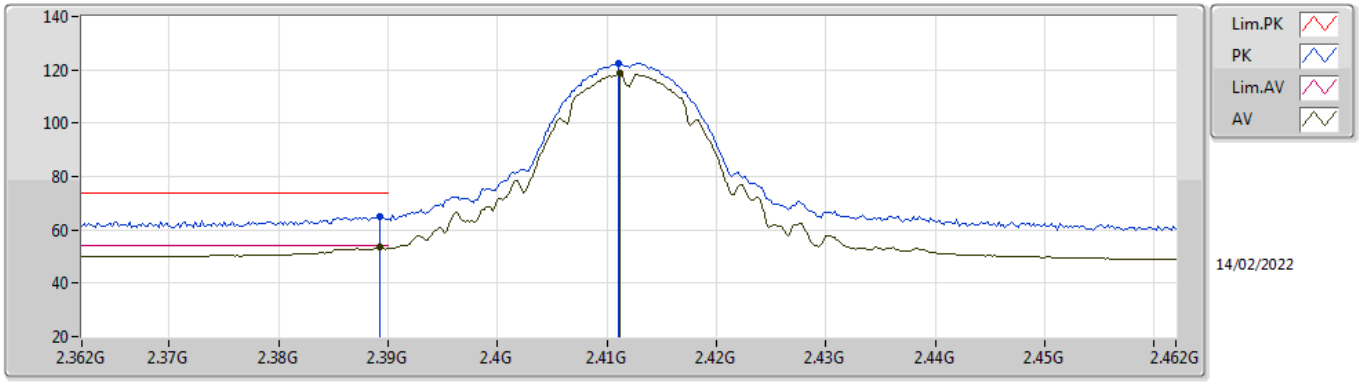
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	30M	32.99	40.00	-7.01	-2.07	3	Horizontal	264	1.50	-	35.06	25.20	1.20	28.47
PK	63.95M	32.76	40.00	-7.24	-14.87	3	Horizontal	272	3.00	-	47.63	12.21	1.42	28.50
PK	84.32M	31.56	40.00	-8.44	-13.39	3	Horizontal	288	2.00	-	44.95	13.65	1.49	28.53
PK	88M	32.02	40.00	-7.98	-12.80	3	Horizontal	308	2.00	-	44.82	14.21	1.50	28.51
PK	125.06M	37.86	43.50	-5.64	-8.85	3	Horizontal	264	3.00	"Worst"	46.71	17.74	1.70	28.29
PK	163.86M	33.94	43.50	-9.56	-10.64	3	Horizontal	106	1.50	-	44.58	15.59	2.00	28.23

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	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	AV	2.4848G	53.99	54.00	-0.01	3	Vertical	360	2.55	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

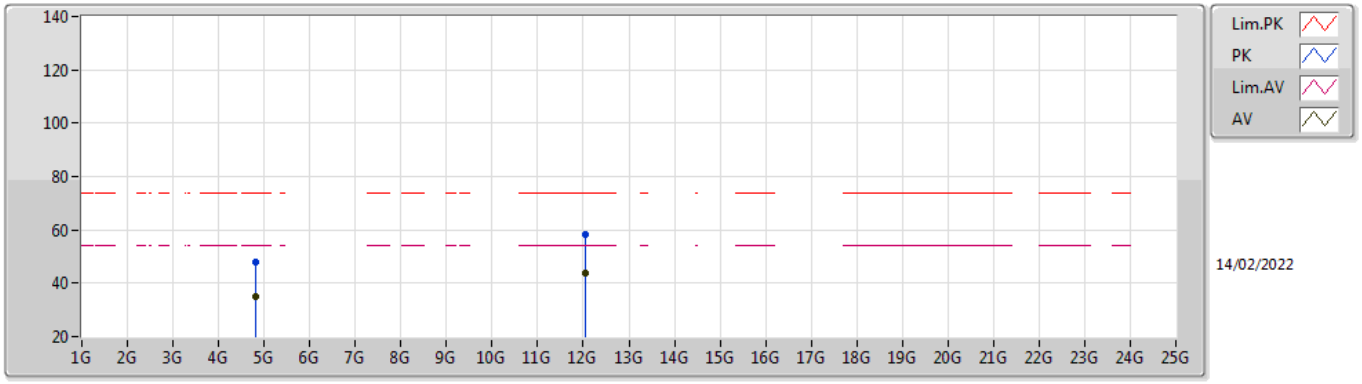


EUT Z_2TX
Setting 106
06-F-S-5

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	64.93	74.00	-9.07	33.65	3	Vertical	0	2.35	-	27.49	3.79	-
AV	2.3892G	53.68	54.00	-0.32	22.40	3	Vertical	0	2.35	-	27.49	3.79	-
PK	2.411G	122.61	Inf	-Inf	91.44	3	Vertical	0	2.35	-	27.36	3.81	-
AV	2.4112G	118.65	Inf	-Inf	87.48	3	Vertical	0	2.35	-	27.36	3.81	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

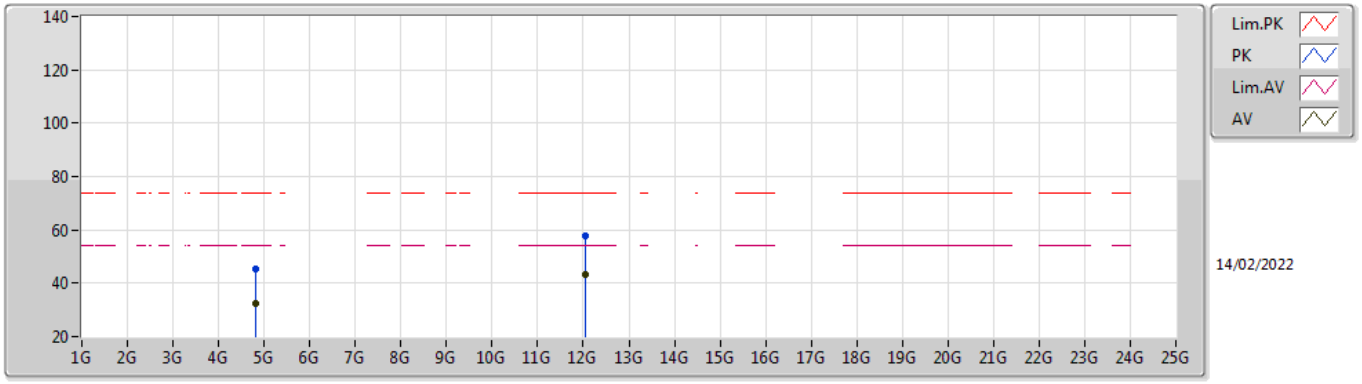


EUT Z_2TX
Setting 106
06-F-S-5

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	4.824G	47.85	74.00	-26.15	43.26	3	Vertical	80	1.58	-	31.05	5.60	32.06
AV	4.82392G	34.94	54.00	-19.06	30.35	3	Vertical	80	1.58	-	31.05	5.60	32.06
PK	12.05518G	58.07	74.00	-15.93	43.52	3	Vertical	360	1.49	-	38.91	9.84	34.20
AV	12.05822G	43.61	54.00	-10.39	29.05	3	Vertical	360	1.49	-	38.92	9.84	34.20

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

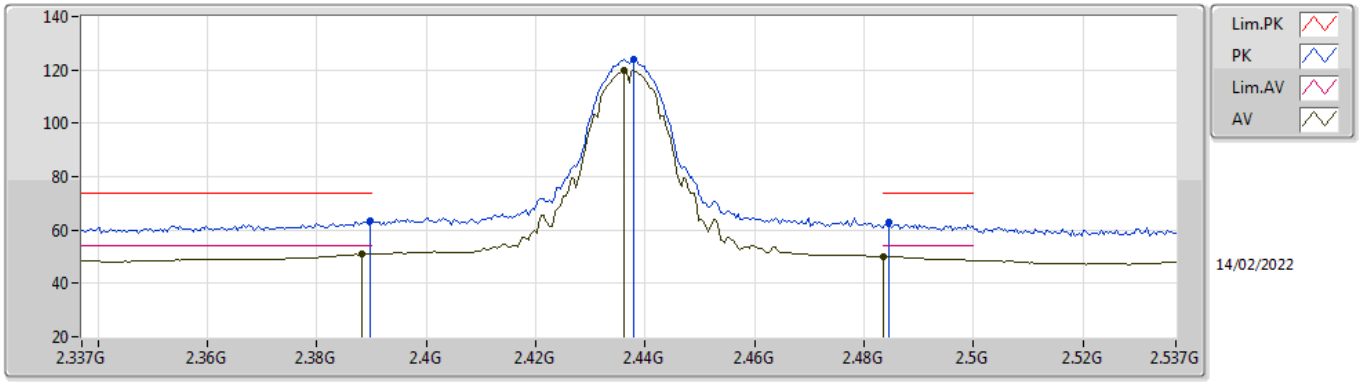


EUT Z_2TX
Setting 106
06-F-S-5

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	4.8212G	45.40	74.00	-28.60	40.80	3	Horizontal	6.1	1.07	-	31.06	5.60	32.06
AV	4.82396G	32.16	54.00	-21.84	27.57	3	Horizontal	6.1	1.07	-	31.05	5.60	32.06
PK	12.05974G	57.68	74.00	-16.32	43.12	3	Horizontal	243	1.76	-	38.92	9.84	34.20
AV	12.05682G	43.52	54.00	-10.48	28.97	3	Horizontal	243	1.76	-	38.91	9.84	34.20

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

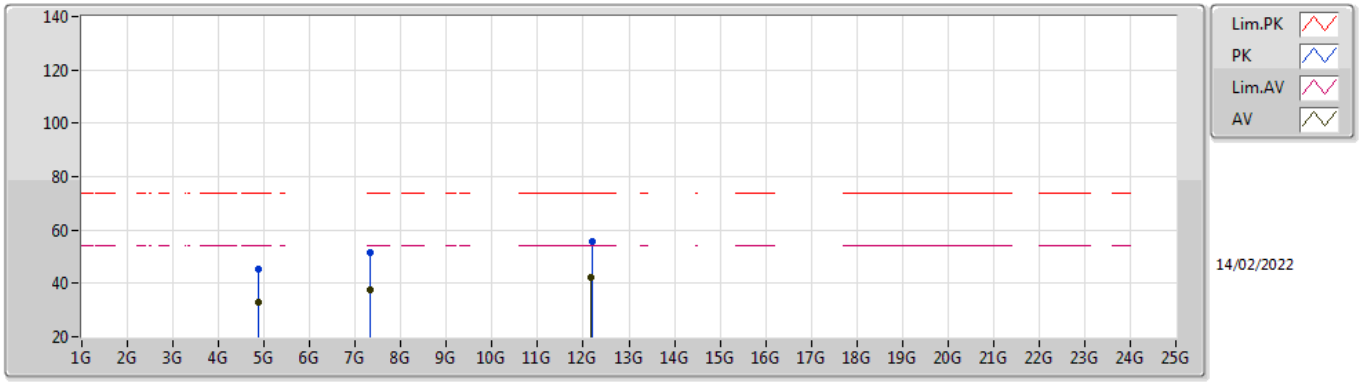


EUT Z_2TX
Setting 108
06-F-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	63.46	74.00	-10.54	32.19	3	Vertical	360	2.35	-	27.48	3.79	-
AV	2.3882G	50.89	54.00	-3.11	19.61	3	Vertical	360	2.35	-	27.49	3.79	-
PK	2.4378G	123.82	Inf	-Inf	92.73	3	Vertical	360	2.35	-	27.25	3.84	-
AV	2.4362G	119.83	Inf	-Inf	88.73	3	Vertical	360	2.35	-	27.26	3.84	-
PK	2.4846G	62.73	74.00	-11.27	31.58	3	Vertical	360	2.35	-	27.27	3.88	-
AV	2.4835G	50.12	54.00	-3.88	18.97	3	Vertical	360	2.35	-	27.27	3.88	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

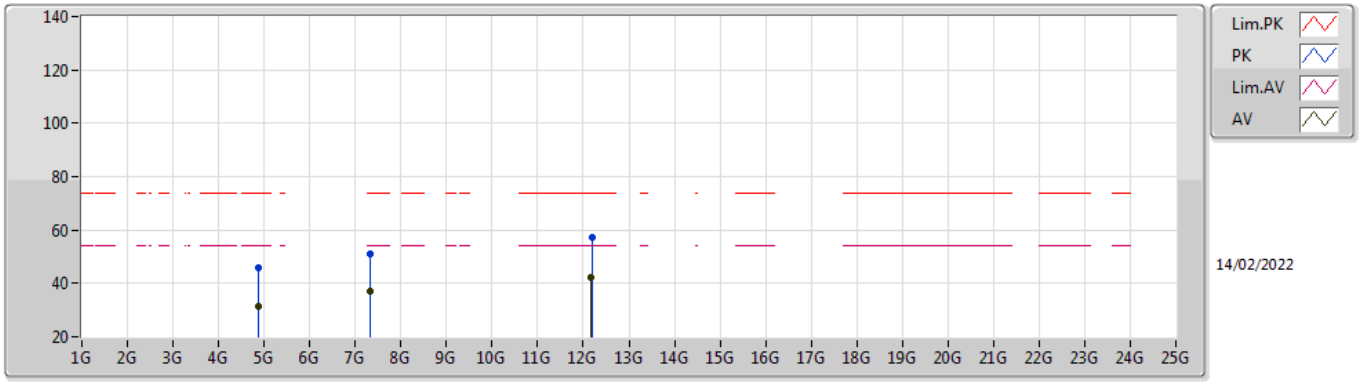


EUT Z_2TX
Setting 108
06-F-S-5

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	4.87452G	45.29	74.00	-28.71	40.66	3	Vertical	78	1.80	-	31.05	5.60	32.02
AV	4.874G	32.85	54.00	-21.15	28.22	3	Vertical	78	1.80	-	31.05	5.60	32.02
PK	7.31548G	51.62	74.00	-22.38	41.85	3	Vertical	9	1.80	-	36.34	6.90	33.47
AV	7.31554G	37.34	54.00	-16.66	27.57	3	Vertical	9	1.80	-	36.34	6.90	33.47
PK	12.1849G	55.74	74.00	-18.26	41.21	3	Vertical	246	1.17	-	38.75	9.94	34.16
AV	12.18092G	42.29	54.00	-11.71	27.75	3	Vertical	246	1.17	-	38.76	9.94	34.16

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

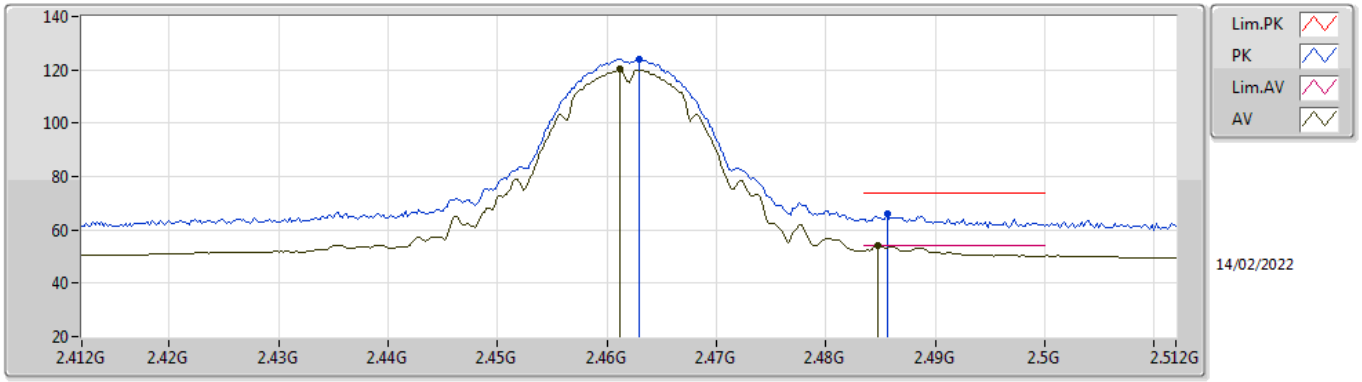


EUT Z_2TX
Setting
06-F-S-5

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	4.8779G	45.67	74.00	-28.33	41.02	3	Horizontal	243	1.28	-	31.06	5.60	32.01
AV	4.8739G	31.49	54.00	-22.51	26.86	3	Horizontal	243	1.28	-	31.05	5.60	32.02
PK	7.31528G	51.04	74.00	-22.96	41.27	3	Horizontal	350	2.62	-	36.34	6.90	33.47
AV	7.31588G	37.31	54.00	-16.69	27.54	3	Horizontal	350	2.62	-	36.34	6.90	33.47
PK	12.18538G	57.12	74.00	-16.88	42.60	3	Horizontal	32	1.25	-	38.74	9.94	34.16
AV	12.1825G	42.03	54.00	-11.97	27.50	3	Horizontal	32	1.25	-	38.75	9.94	34.16

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

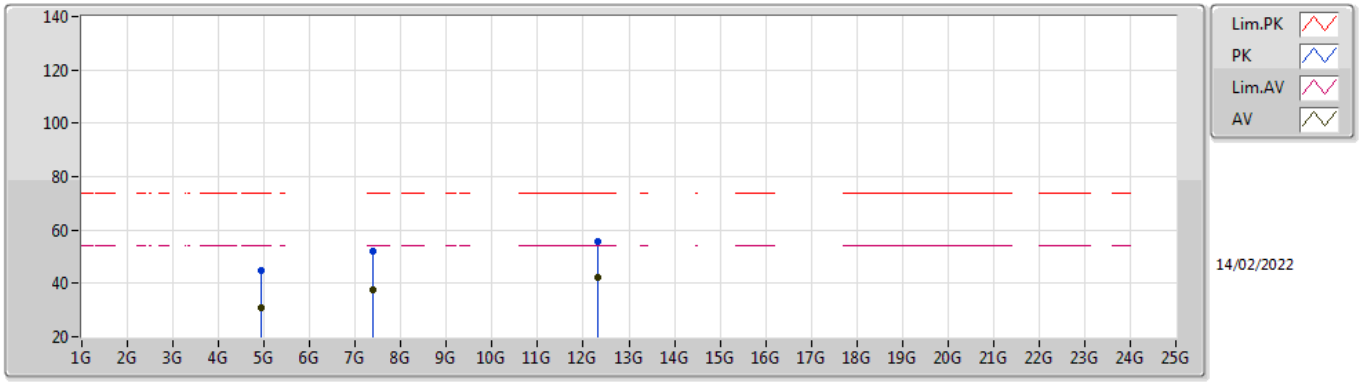


EUT Z_2TX
Setting 108
06-F-S-5

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	124.14	Inf	-Inf	93.05	3	Vertical	360	2.55	-	27.23	3.86	-
AV	2.4612G	120.11	Inf	-Inf	89.03	3	Vertical	360	2.55	-	27.22	3.86	-
PK	2.4856G	65.82	74.00	-8.18	34.66	3	Vertical	360	2.55	-	27.27	3.89	-
AV	2.4848G	53.99	54.00	-0.01	22.84	3	Vertical	360	2.55	-	27.27	3.88	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

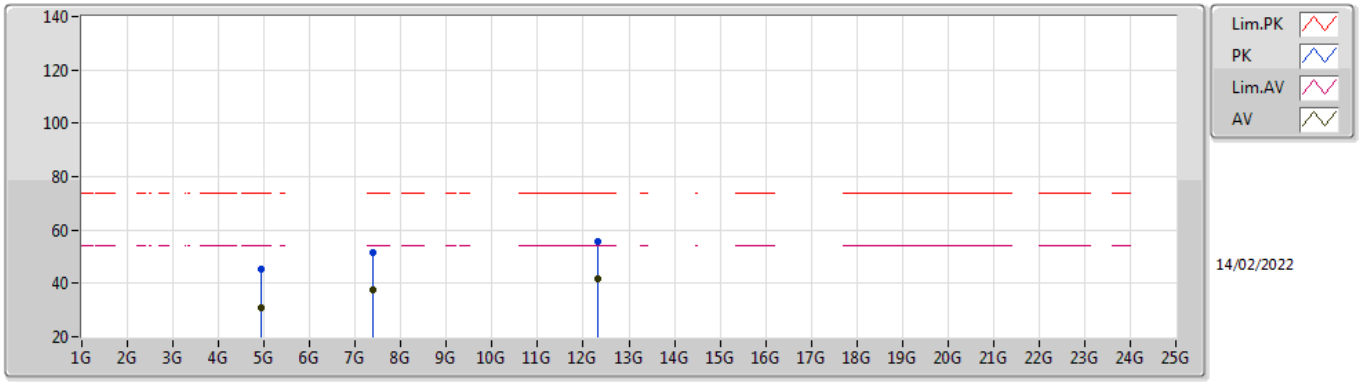


EUT Z_2TX
Setting 108
06-F-S-5

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	4.92946G	44.72	74.00	-29.28	39.87	3	Vertical	215	2.48	-	31.22	5.60	31.97
AV	4.93042G	30.84	54.00	-23.16	25.99	3	Vertical	215	2.48	-	31.22	5.60	31.97
PK	7.37556G	51.82	74.00	-22.18	42.32	3	Vertical	112	1.27	-	36.10	6.90	33.50
AV	7.39518G	37.70	54.00	-16.30	28.29	3	Vertical	112	1.27	-	36.02	6.90	33.51
PK	12.3139G	55.50	74.00	-18.50	40.98	3	Vertical	1	1.45	-	38.59	10.04	34.11
AV	12.32374G	42.10	54.00	-11.90	27.59	3	Vertical	1	1.45	-	38.58	10.04	34.11

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

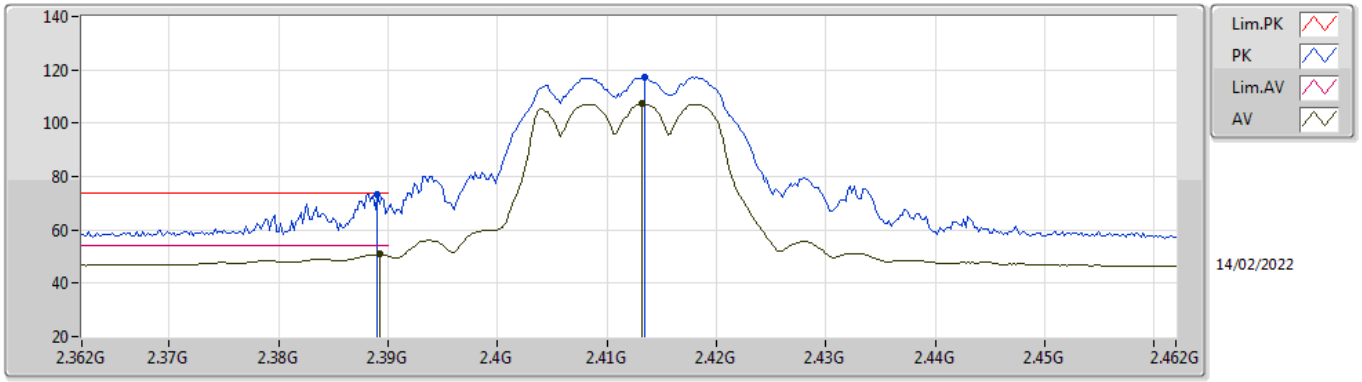


EUT Z_2TX
Setting
06-F-S-5

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	4.92492G	45.34	74.00	-28.66	40.51	3	Horizontal	148	1.38	-	31.20	5.60	31.97
AV	4.9221G	30.84	54.00	-23.16	26.03	3	Horizontal	148	1.38	-	31.19	5.60	31.98
PK	7.38596G	51.77	74.00	-22.23	42.31	3	Horizontal	306	2.69	-	36.06	6.90	33.50
AV	7.391G	37.72	54.00	-16.28	28.29	3	Horizontal	306	2.69	-	36.04	6.90	33.51
PK	12.30776G	55.52	74.00	-18.48	41.02	3	Horizontal	48	1.80	-	38.59	10.03	34.12
AV	12.31358G	41.86	54.00	-12.14	27.34	3	Horizontal	48	1.80	-	38.59	10.04	34.11

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

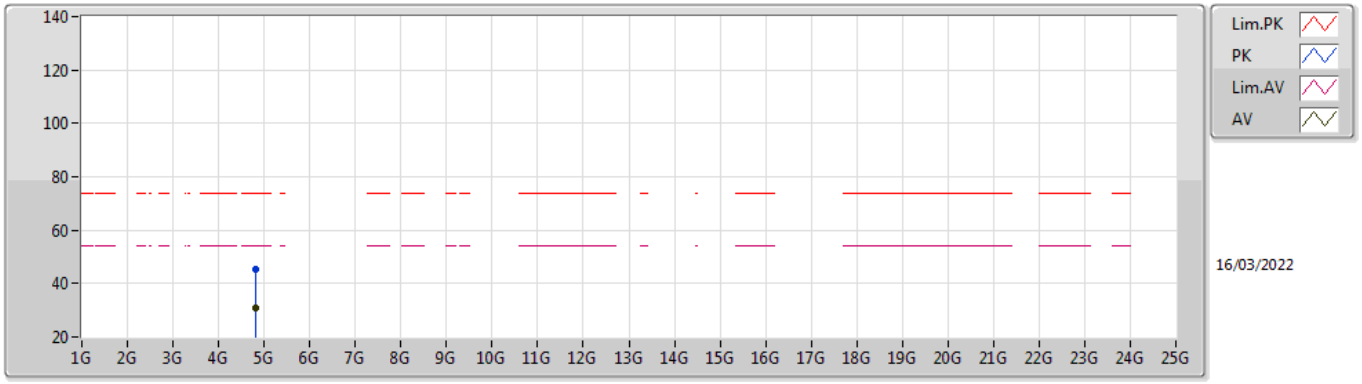


EUT Z_2TX
Setting 84
06-F-S-5

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	73.14	74.00	-0.86	41.86	3	Vertical	4.8	2.62	-	27.49	3.79	-
AV	2.3892G	50.81	54.00	-3.19	19.53	3	Vertical	4.8	2.62	-	27.49	3.79	-
PK	2.4134G	117.22	Inf	-Inf	86.06	3	Vertical	4.8	2.62	-	27.35	3.81	-
AV	2.4132G	107.23	Inf	-Inf	76.07	3	Vertical	4.8	2.62	-	27.35	3.81	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

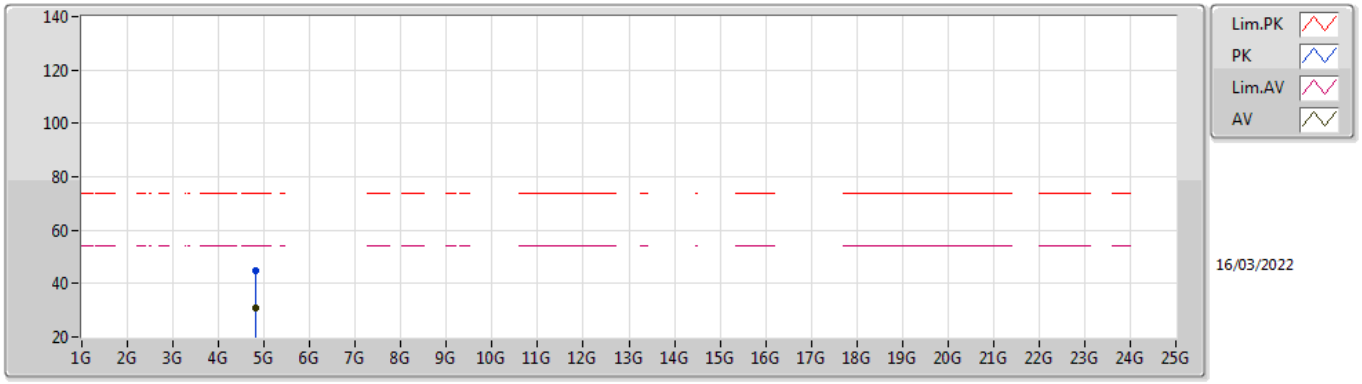


EUT Z_2TX
Setting 84
06-F-K-5

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	4.82298G	45.25	74.00	-28.75	40.66	3	Vertical	129	1.15	-	31.05	5.60	32.06
AV	4.82048G	30.92	54.00	-23.08	26.32	3	Vertical	129	1.15	-	31.06	5.60	32.06

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

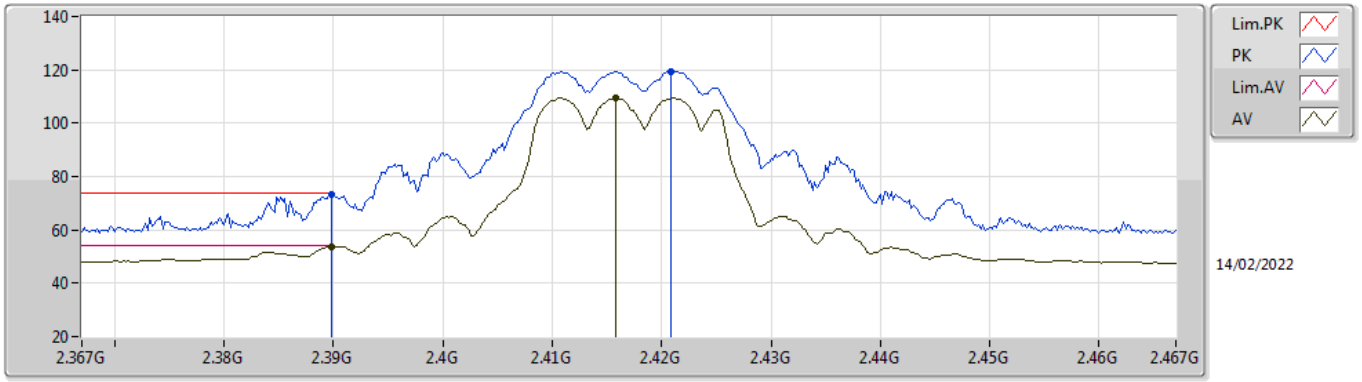


EUT Z_2TX
Setting 84
06-F-K-5

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	4.82446G	44.57	74.00	-29.43	39.98	3	Horizontal	106	2.52	-	31.05	5.60	32.06
AV	4.82182G	30.91	54.00	-23.09	26.31	3	Horizontal	106	2.52	-	31.06	5.60	32.06

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

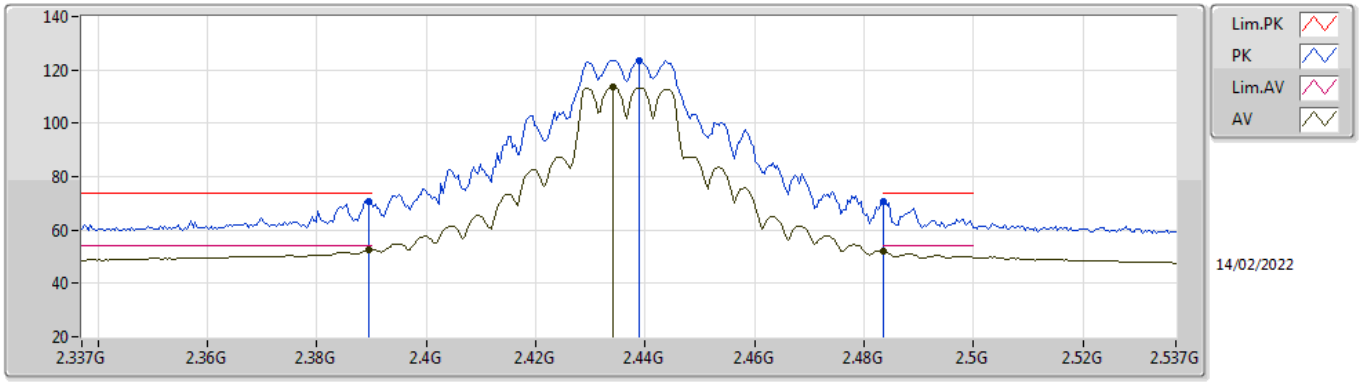


EUT Z_2TX
Setting 90
06-F-S-5

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	73.08	74.00	-0.92	41.81	3	Vertical	3	2.62	-	27.48	3.79	-
AV	2.3898G	53.82	54.00	-0.18	22.55	3	Vertical	3	2.62	-	27.48	3.79	-
PK	2.4208G	119.46	Inf	-Inf	88.32	3	Vertical	3	2.62	-	27.32	3.82	-
AV	2.4158G	109.34	Inf	-Inf	78.18	3	Vertical	3	2.62	-	27.34	3.82	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

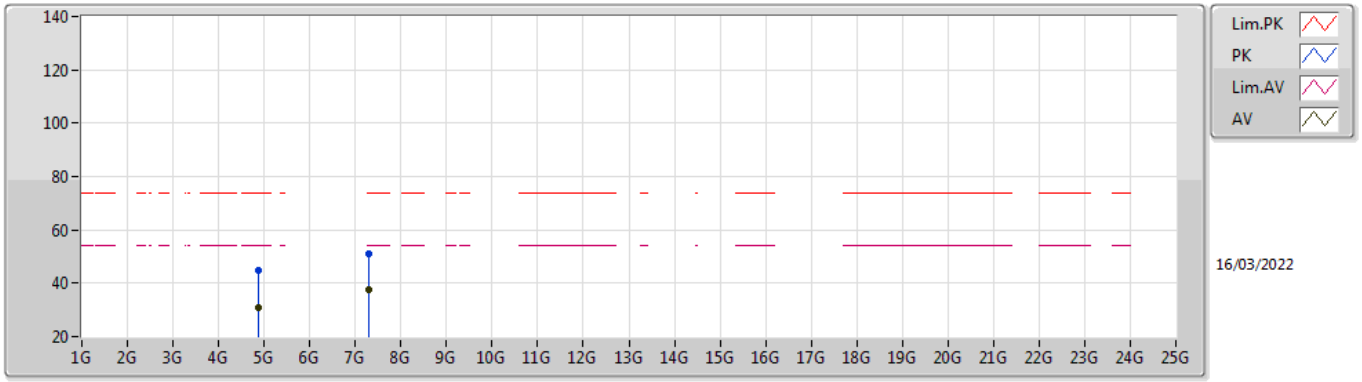


EUT Z_2TX
Setting 108
06-F-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3894G	70.65	74.00	-3.35	39.38	3	Vertical	360	2.57	-	27.48	3.79	-
AV	2.3894G	52.67	54.00	-1.33	21.40	3	Vertical	360	2.57	-	27.48	3.79	-
PK	2.439G	123.52	Inf	-Inf	92.44	3	Vertical	360	2.57	-	27.24	3.84	-
AV	2.4342G	113.69	Inf	-Inf	82.60	3	Vertical	360	2.57	-	27.26	3.83	-
PK	2.4835G	70.51	74.00	-3.49	39.36	3	Vertical	360	2.57	-	27.27	3.88	-
AV	2.4835G	52.08	54.00	-1.92	20.93	3	Vertical	360	2.57	-	27.27	3.88	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

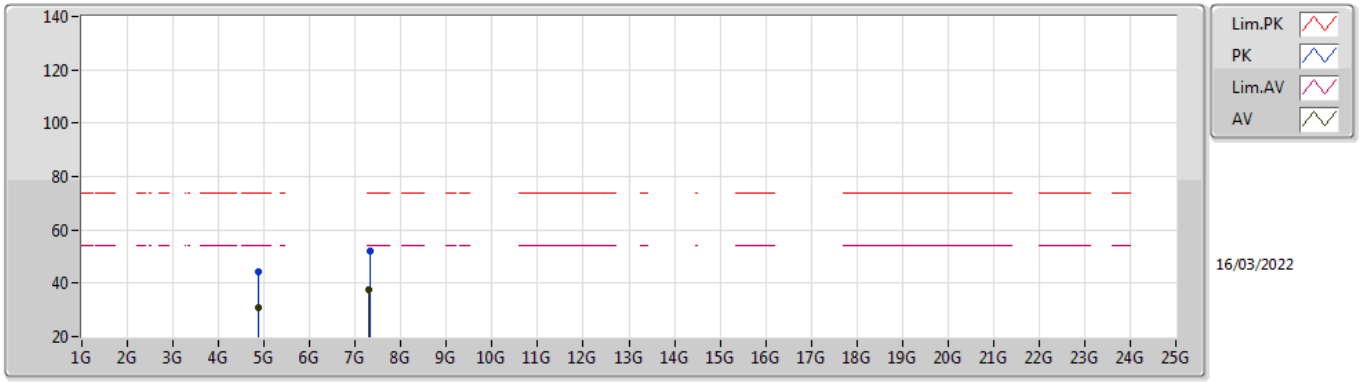


EUT Z_2TX
Setting 108
06-F-K-5

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	4.87888G	44.83	74.00	-29.17	40.18	3	Vertical	113	1.80	-	31.06	5.60	32.01
AV	4.86556G	31.08	54.00	-22.92	26.47	3	Vertical	113	1.80	-	31.03	5.60	32.02
PK	7.30618G	51.21	74.00	-22.79	41.39	3	Vertical	210	2.76	-	36.38	6.90	33.46
AV	7.30794G	37.76	54.00	-16.24	27.95	3	Vertical	210	2.76	-	36.37	6.90	33.46

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

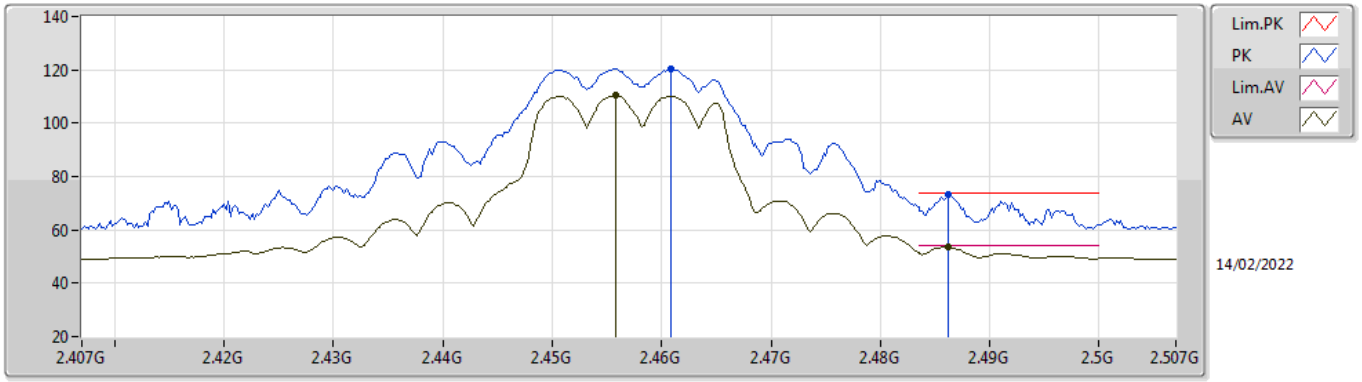


EUT Z_2TX
Setting 108
06-F-K-5

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	4.86664G	44.26	74.00	-29.74	39.65	3	Horizontal	343	1.92	-	31.03	5.60	32.02
AV	4.86644G	30.92	54.00	-23.08	26.31	3	Horizontal	343	1.92	-	31.03	5.60	32.02
PK	7.31262G	52.20	74.00	-21.80	42.42	3	Horizontal	179	1.12	-	36.35	6.90	33.47
AV	7.30788G	37.78	54.00	-16.22	27.97	3	Horizontal	179	1.12	-	36.37	6.90	33.46

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

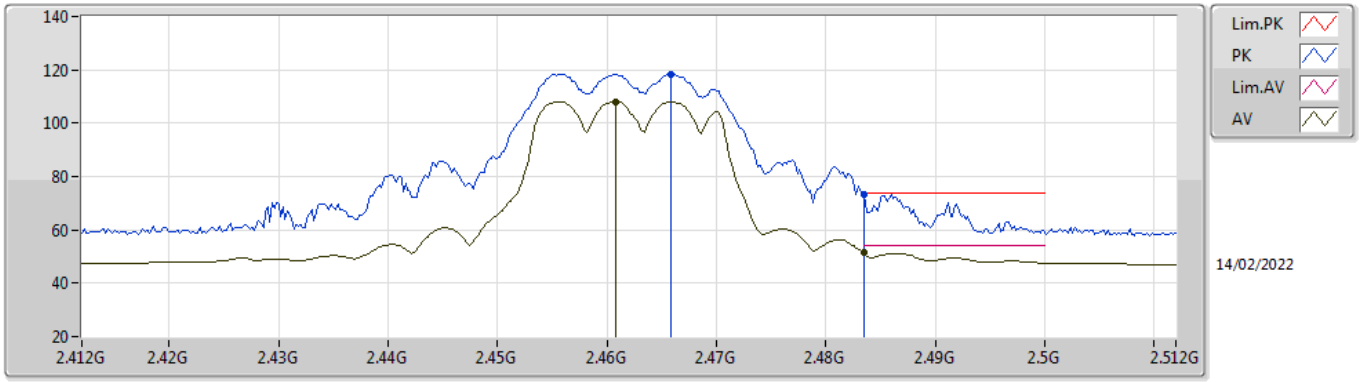


EUT Z_2TX
Setting 96
06-F-S-5

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	2.4608G	120.44	Inf	-Inf	89.36	3	Vertical	5	2.56	-	27.22	3.86	-
AV	2.4558G	110.34	Inf	-Inf	79.27	3	Vertical	5	2.56	-	27.21	3.86	-
PK	2.4862G	73.28	74.00	-0.72	42.12	3	Vertical	5	2.56	-	27.27	3.89	-
AV	2.4862G	53.55	54.00	-0.45	22.39	3	Vertical	5	2.56	-	27.27	3.89	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

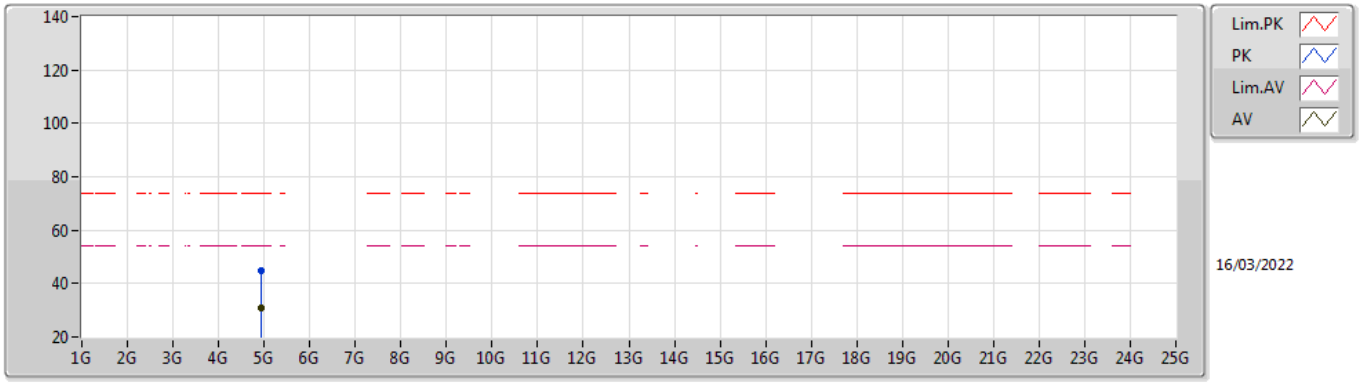


EUT Z_2TX
Setting 90
06-F-S-5

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	2.4658G	118.49	Inf	-Inf	87.39	3	Vertical	6	2.08	-	27.23	3.87	-
AV	2.4608G	108.05	Inf	-Inf	76.97	3	Vertical	6	2.08	-	27.22	3.86	-
PK	2.4835G	73.19	74.00	-0.81	42.04	3	Vertical	6	2.08	-	27.27	3.88	-
AV	2.4835G	51.33	54.00	-2.67	20.18	3	Vertical	6	2.08	-	27.27	3.88	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

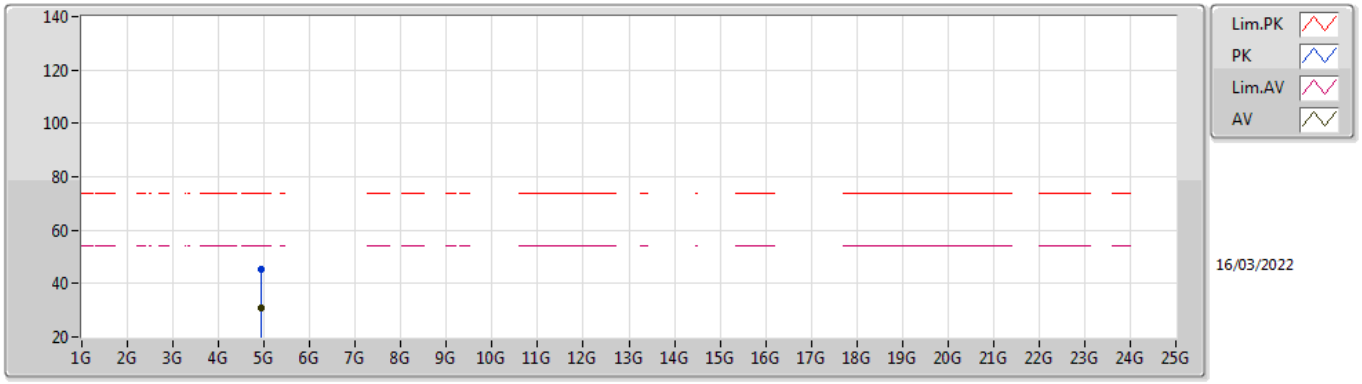


EUT Z_2TX
Setting 90
06-F-K-5

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	4.91968G	44.92	74.00	-29.08	40.12	3	Vertical	289	2.61	-	31.18	5.60	31.98
AV	4.92398G	31.03	54.00	-22.97	26.20	3	Vertical	289	2.61	-	31.20	5.60	31.97

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

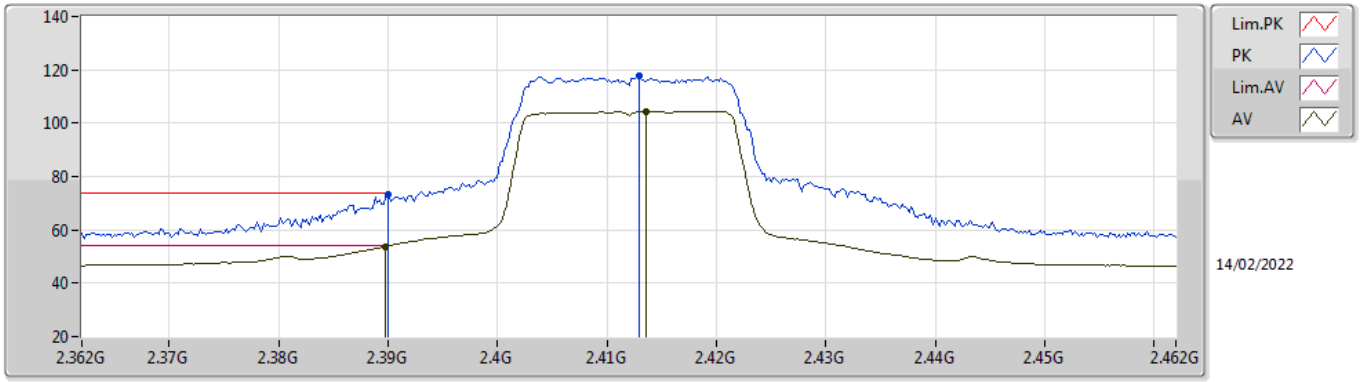


EUT Z_2TX
Setting 90
06-F-K-5

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	4.9248G	45.50	74.00	-28.50	40.67	3	Horizontal	157	2.88	-	31.20	5.60	31.97
AV	4.9241G	31.03	54.00	-22.97	26.20	3	Horizontal	157	2.88	-	31.20	5.60	31.97

802.11ax HEW20_Nss2,(MCS0)_2TX

2412MHz_TX

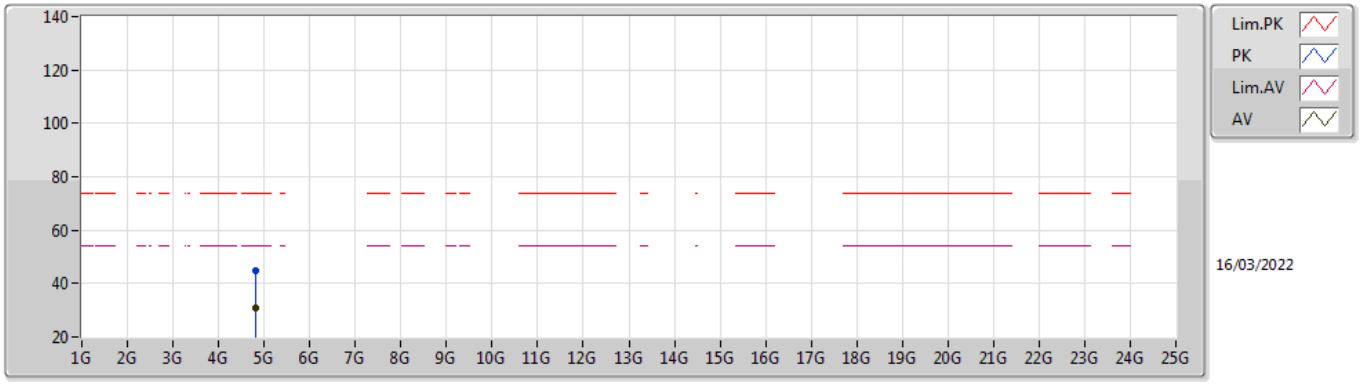


EUT Z_2TX
Setting 84
06-F-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	73.25	74.00	-0.75	41.98	3	Vertical	0	2.59	-	27.48	3.79	-
AV	2.3898G	53.87	54.00	-0.13	22.60	3	Vertical	0	2.59	-	27.48	3.79	-
PK	2.413G	117.63	Inf	-Inf	86.47	3	Vertical	0	2.59	-	27.35	3.81	-
AV	2.4136G	104.46	Inf	-Inf	73.30	3	Vertical	0	2.59	-	27.35	3.81	-

802.11ax HEW20_Nss2,(MCS0)_2TX

2412MHz_TX

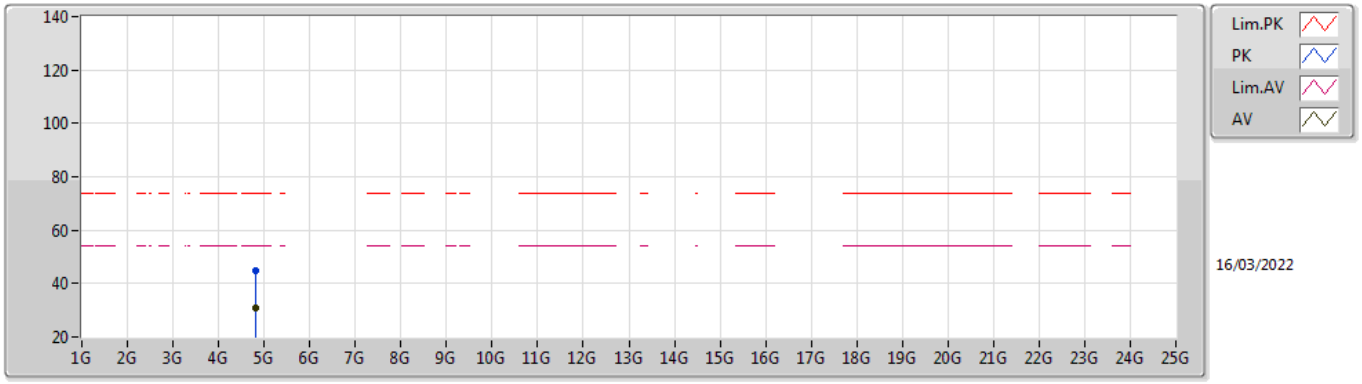


EUT Z_2TX
Setting 84
06-F-K-5

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	4.82608G	44.79	74.00	-29.21	40.20	3	Vertical	110	2.95	-	31.05	5.60	32.06
AV	4.82096G	30.89	54.00	-23.11	26.29	3	Vertical	110	2.95	-	31.06	5.60	32.06

802.11ax HEW20_Nss2,(MCS0)_2TX

2412MHz_TX

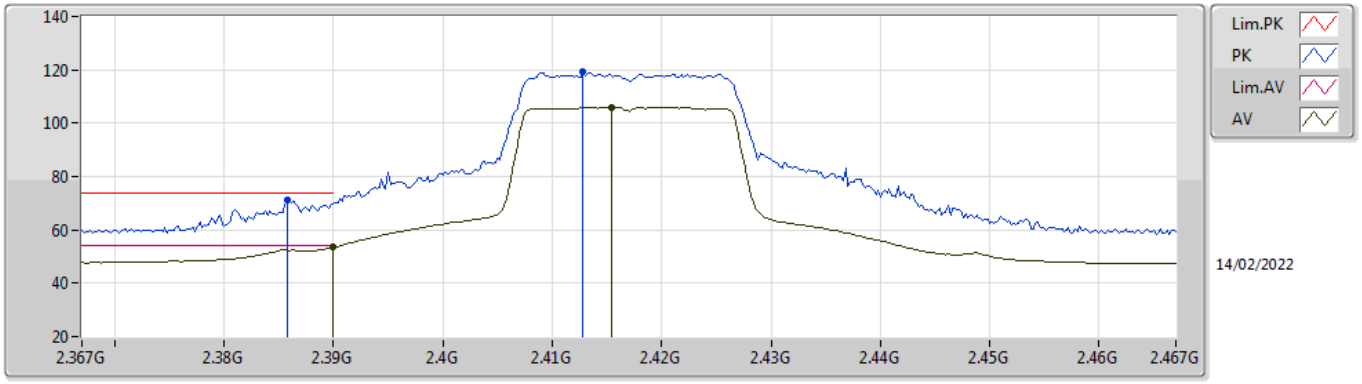


EUT Z_2TX
Setting 84
06-F-K-5

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	4.82372G	44.84	74.00	-29.16	40.25	3	Horizontal	175	1.07	-	31.05	5.60	32.06
AV	4.81966G	30.92	54.00	-23.08	26.32	3	Horizontal	175	1.07	-	31.06	5.60	32.06

802.11ax HEW20_Nss2,(MCS0)_2TX

2417MHz_TX

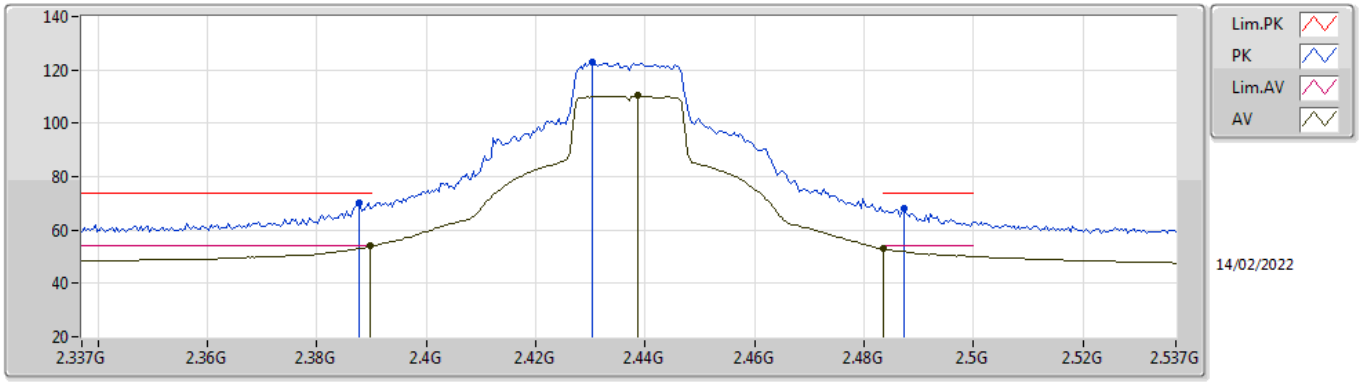


EUT Z_2TX
Setting 89
06-F-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3858G	70.98	74.00	-3.02	39.68	3	Vertical	0	2.60	-	27.51	3.79	-
AV	2.39G	53.47	54.00	-0.53	22.20	3	Vertical	0	2.60	-	27.48	3.79	-
PK	2.4128G	119.40	Inf	-Inf	88.24	3	Vertical	0	2.60	-	27.35	3.81	-
AV	2.4154G	106.05	Inf	-Inf	74.89	3	Vertical	0	2.60	-	27.34	3.82	-

802.11ax HEW20_Nss2,(MCS0)_2TX

2437MHz_TX

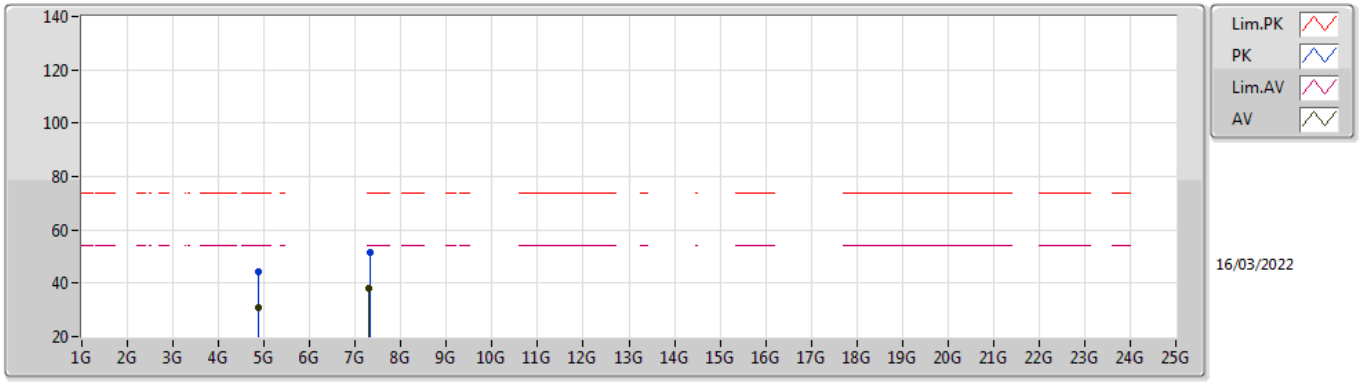


EUT Z_2TX
Setting 107
06-F-S-5

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	2.3878G	70.01	74.00	-3.99	38.72	3	Vertical	8	2.58	-	27.50	3.79	-
AV	2.3898G	53.89	54.00	-0.11	22.62	3	Vertical	8	2.58	-	27.48	3.79	-
PK	2.4302G	122.82	Inf	-Inf	91.71	3	Vertical	8	2.58	-	27.28	3.83	-
AV	2.4386G	110.32	Inf	-Inf	79.23	3	Vertical	8	2.58	-	27.25	3.84	-
PK	2.4874G	68.06	74.00	-5.94	36.90	3	Vertical	8	2.58	-	27.27	3.89	-
AV	2.4835G	53.02	54.00	-0.98	21.87	3	Vertical	8	2.58	-	27.27	3.88	-

802.11ax HEW20_Nss2,(MCS0)_2TX

2437MHz_TX

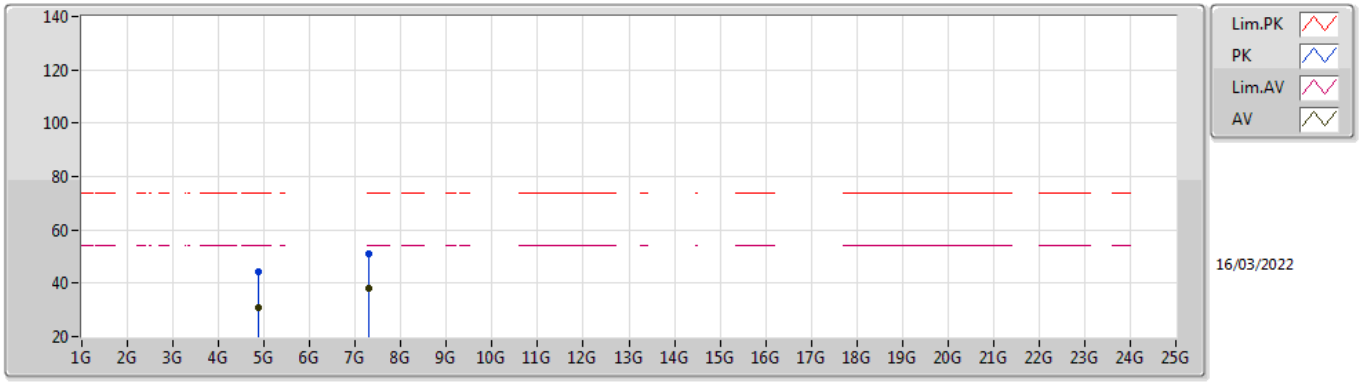


EUT Z_2TX
Setting 107
06-F-K-5

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	4.87458G	44.44	74.00	-29.56	39.81	3	Vertical	110	2.28	-	31.05	5.60	32.02
AV	4.86974G	30.84	54.00	-23.16	26.22	3	Vertical	110	2.28	-	31.04	5.60	32.02
PK	7.31386G	51.75	74.00	-22.25	41.98	3	Vertical	349	1.55	-	36.34	6.90	33.47
AV	7.30774G	37.90	54.00	-16.10	28.09	3	Vertical	349	1.55	-	36.37	6.90	33.46

802.11ax HEW20_Nss2,(MCS0)_2TX

2437MHz_TX

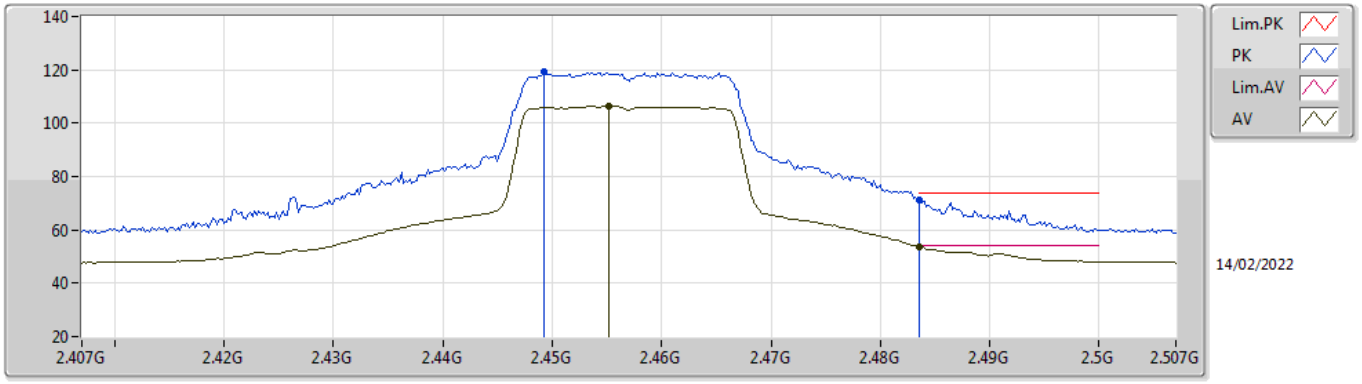


EUT Z_2TX
Setting 107
06-F-K-5

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	4.87252G	44.54	74.00	-29.46	39.91	3	Horizontal	66	2.98	-	31.05	5.60	32.02
AV	4.87206G	30.95	54.00	-23.05	26.33	3	Horizontal	66	2.98	-	31.04	5.60	32.02
PK	7.31006G	51.01	74.00	-22.99	41.22	3	Horizontal	68	1.00	-	36.36	6.90	33.47
AV	7.30774G	37.85	54.00	-16.15	28.04	3	Horizontal	68	1.00	-	36.37	6.90	33.46

802.11ax HEW20_Nss2,(MCS0)_2TX

2457MHz_TX

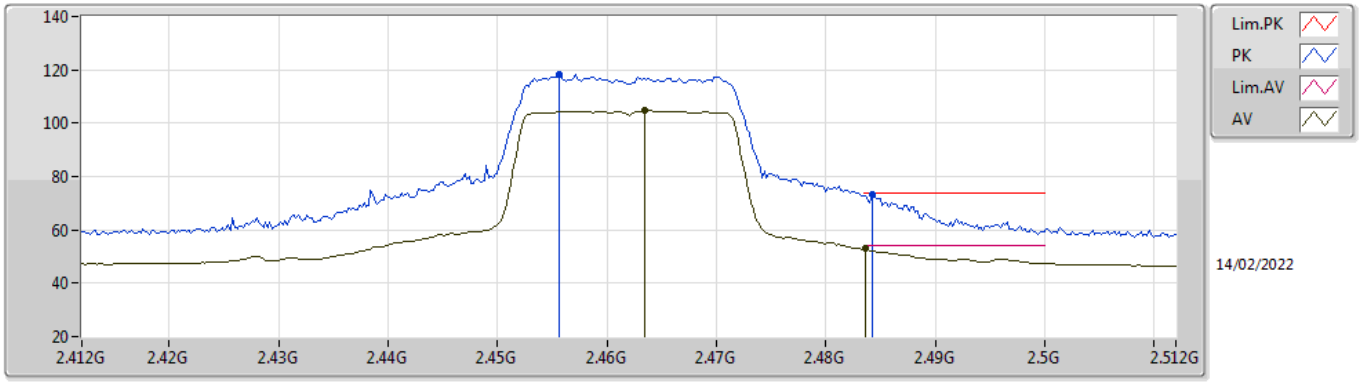


EUT Z_2TX
Setting 90
06-F-S-5

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	2.4492G	119.40	Inf	-Inf	88.35	3	Vertical	3	2.06	-	27.20	3.85	-
AV	2.4552G	106.53	Inf	-Inf	75.46	3	Vertical	3	2.06	-	27.21	3.86	-
PK	2.4835G	71.05	74.00	-2.95	39.90	3	Vertical	3	2.06	-	27.27	3.88	-
AV	2.4835G	53.67	54.00	-0.33	22.52	3	Vertical	3	2.06	-	27.27	3.88	-

802.11ax HEW20_Nss2,(MCS0)_2TX

2462MHz_TX

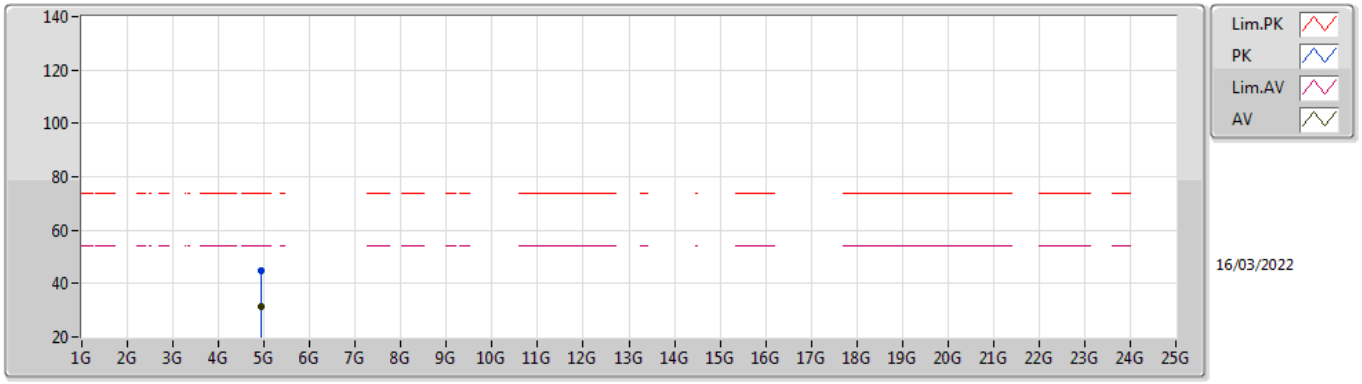


EUT Z_2TX
Setting 85
06-F-S-5

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	2.4556G	118.07	Inf	-Inf	87.00	3	Vertical	7	2.09	-	27.21	3.86	-
AV	2.4634G	104.78	Inf	-Inf	73.69	3	Vertical	7	2.09	-	27.23	3.86	-
PK	2.4842G	73.02	74.00	-0.98	41.87	3	Vertical	7	2.09	-	27.27	3.88	-
AV	2.4836G	52.95	54.00	-1.05	21.80	3	Vertical	7	2.09	-	27.27	3.88	-

802.11ax HEW20_Nss2,(MCS0)_2TX

2462MHz_TX

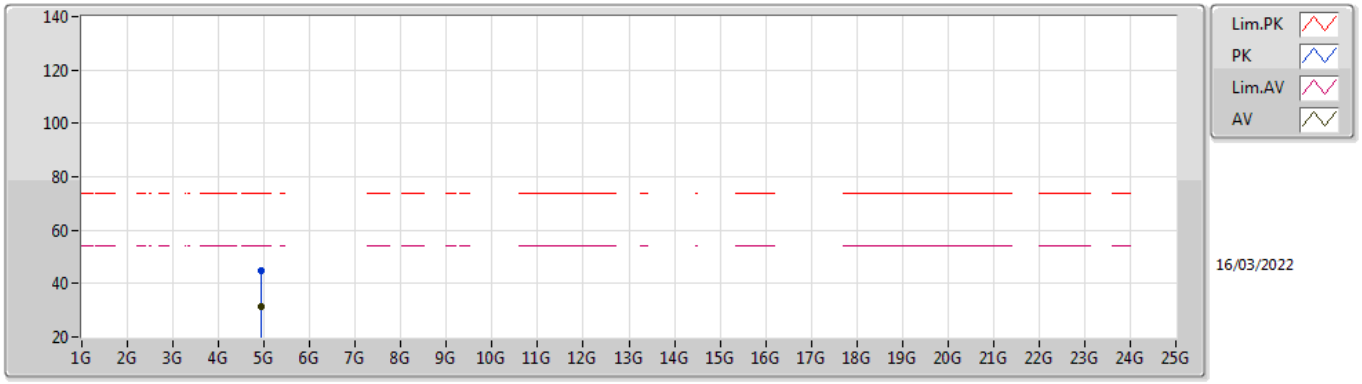


EUT Z_2TX
Setting 85
06-F-K-5

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	4.92444G	45.04	74.00	-28.96	40.21	3	Vertical	279	1.62	-	31.20	5.60	31.97
AV	4.9247G	31.22	54.00	-22.78	26.39	3	Vertical	279	1.62	-	31.20	5.60	31.97

802.11ax HEW20_Nss2,(MCS0)_2TX

2462MHz_TX

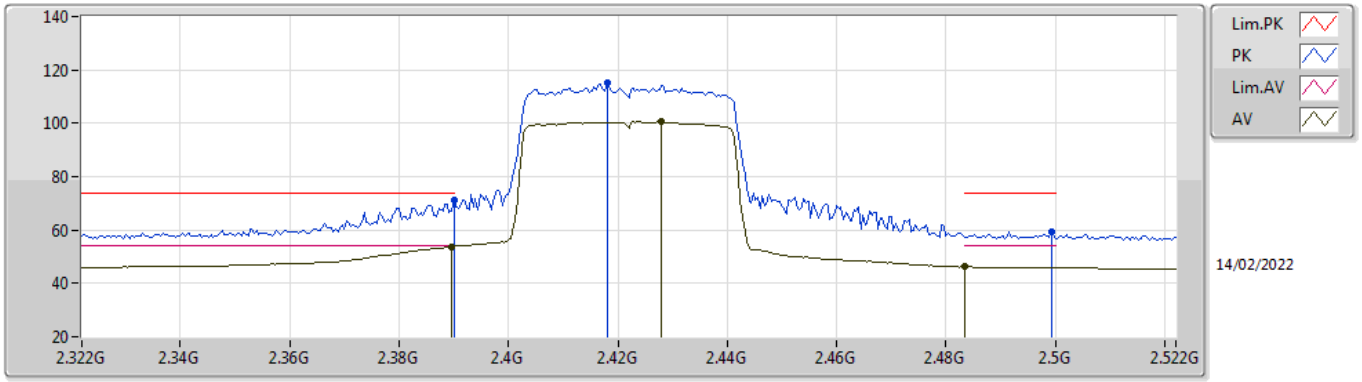


EUT Z_2TX
Setting 85
06-F-K-5

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	4.92246G	44.99	74.00	-29.01	40.18	3	Horizontal	122	2.39	-	31.19	5.60	31.98
AV	4.92316G	31.22	54.00	-22.78	26.40	3	Horizontal	122	2.39	-	31.19	5.60	31.97

802.11ax HEW40_Nss2,(MCS0)_2TX

2422MHz_TX

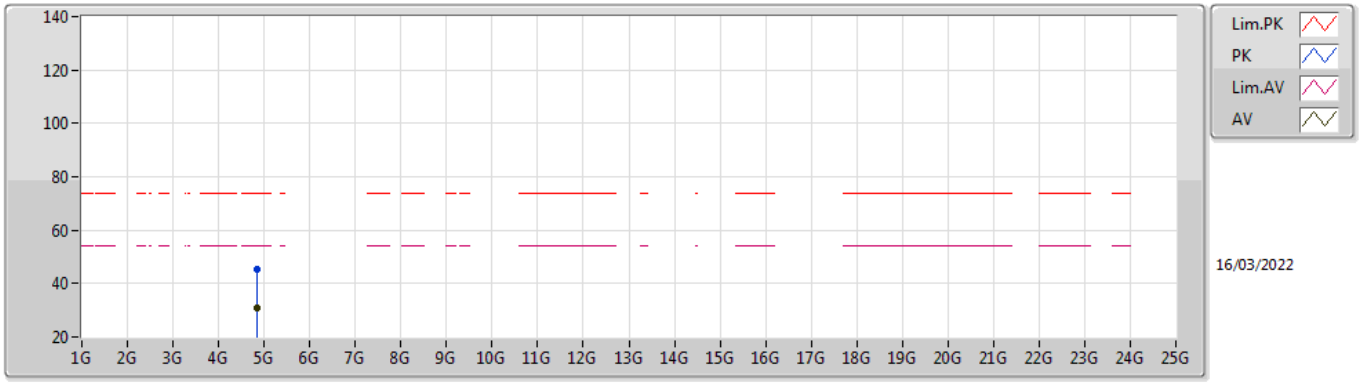


EUT Z_2TX
Setting 80
06-F-S-5

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	71.04	74.00	-2.96	39.77	3	Vertical	360	2.62	-	27.48	3.79	-
AV	2.3896G	53.77	54.00	-0.23	22.50	3	Vertical	360	2.62	-	27.48	3.79	-
PK	2.418G	114.94	Inf	-Inf	83.79	3	Vertical	360	2.62	-	27.33	3.82	-
AV	2.428G	100.62	Inf	-Inf	69.50	3	Vertical	360	2.62	-	27.29	3.83	-
PK	2.4992G	59.14	74.00	-14.86	27.94	3	Vertical	360	2.62	-	27.30	3.90	-
AV	2.4835G	46.26	54.00	-7.74	15.11	3	Vertical	360	2.62	-	27.27	3.88	-

802.11ax HEW40_Nss2,(MCS0)_2TX

2422MHz_TX

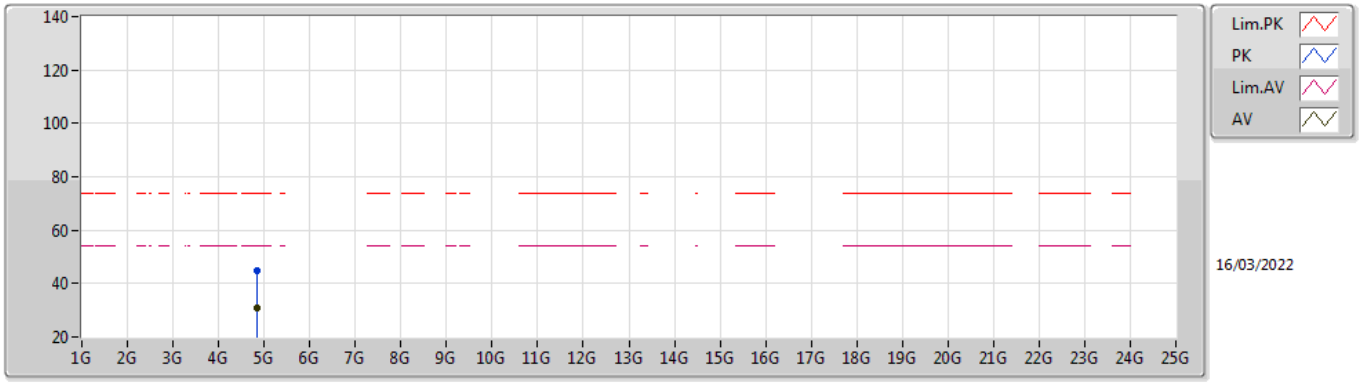


EUT Z_2TX
Setting 80
06-F-S-5

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	4.84238G	45.44	74.00	-28.56	40.86	3	Vertical	308	2.66	-	31.02	5.60	32.04
AV	4.84276G	31.12	54.00	-22.88	26.55	3	Vertical	308	2.66	-	31.01	5.60	32.04

802.11ax HEW40_Nss2,(MCS0)_2TX

2422MHz_TX

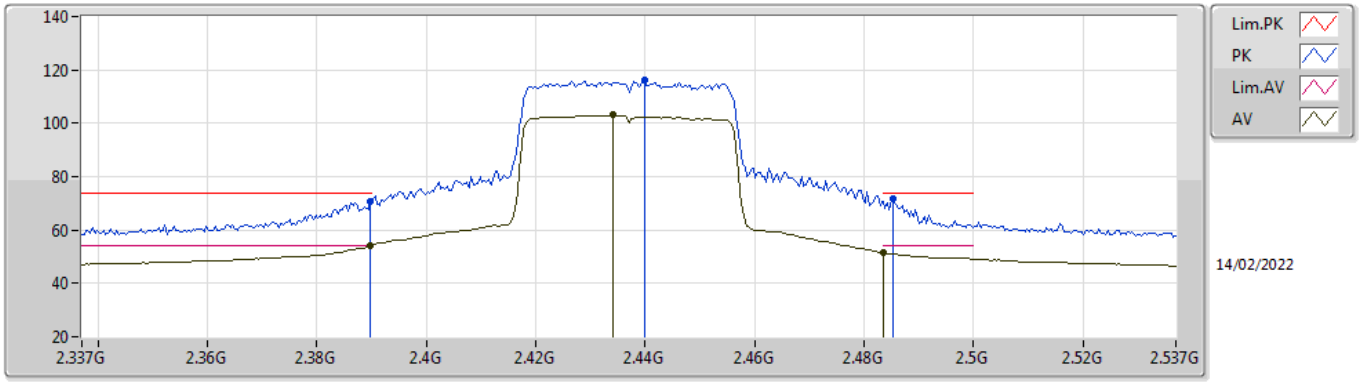


EUT Z_2TX
Setting 80
06-F-S-5

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	4.84248G	45.01	74.00	-28.99	40.43	3	Horizontal	192	2.39	-	31.02	5.60	32.04
AV	4.84356G	31.10	54.00	-22.90	26.53	3	Horizontal	192	2.39	-	31.01	5.60	32.04

802.11ax HEW40_Nss2,(MCS0)_2TX

2437MHz_TX

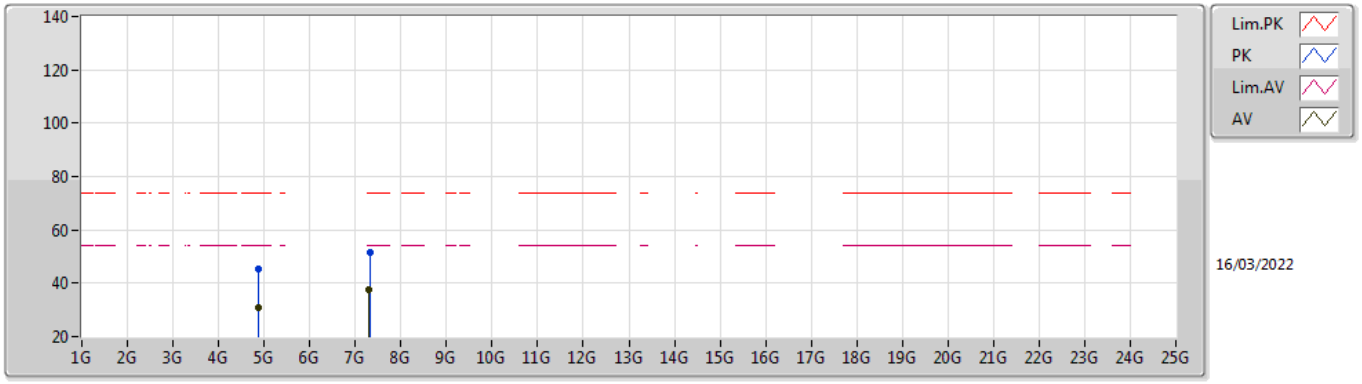


EUT Z_2TX
Setting 90
06-F-S-5

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	70.74	74.00	-3.26	39.47	3	Vertical	360	2.57	-	27.48	3.79	-
AV	2.3898G	53.95	54.00	-0.05	22.68	3	Vertical	360	2.57	-	27.48	3.79	-
PK	2.4398G	116.08	Inf	-Inf	85.00	3	Vertical	360	2.57	-	27.24	3.84	-
AV	2.4342G	103.09	Inf	-Inf	72.00	3	Vertical	360	2.57	-	27.26	3.83	-
PK	2.4854G	71.70	74.00	-2.30	40.54	3	Vertical	360	2.57	-	27.27	3.89	-
AV	2.4835G	51.41	54.00	-2.59	20.26	3	Vertical	360	2.57	-	27.27	3.88	-

802.11ax HEW40_Nss2,(MCS0)_2TX

2437MHz_TX

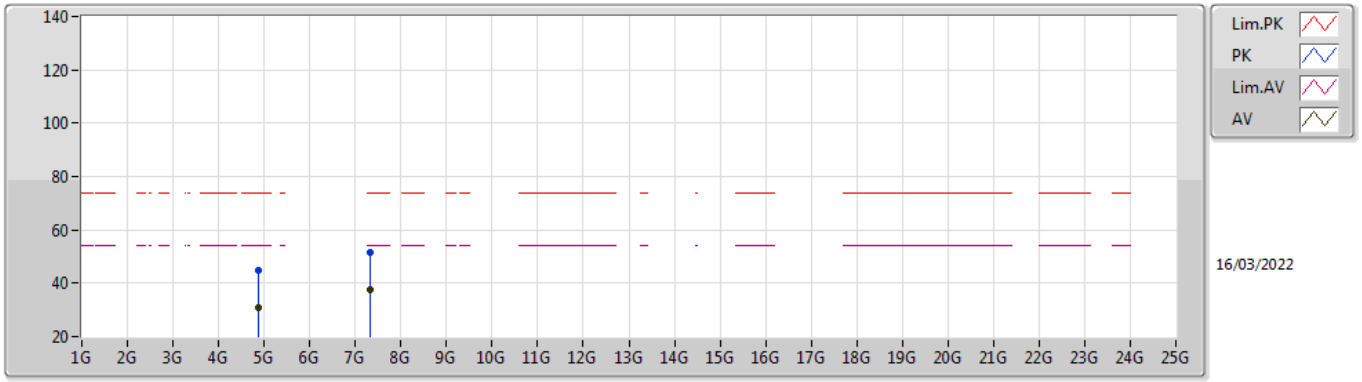


EUT Z_2TX
Setting 90
06-F-K-5

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	4.87074G	45.13	74.00	-28.87	40.51	3	Vertical	94	1.11	-	31.04	5.60	32.02
AV	4.875G	30.88	54.00	-23.12	26.25	3	Vertical	94	1.11	-	31.05	5.60	32.02
PK	7.31282G	51.56	74.00	-22.44	41.78	3	Vertical	32	2.97	-	36.35	6.90	33.47
AV	7.30928G	37.75	54.00	-16.25	27.95	3	Vertical	32	2.97	-	36.36	6.90	33.46

802.11ax HEW40_Nss2,(MCS0)_2TX

2437MHz_TX

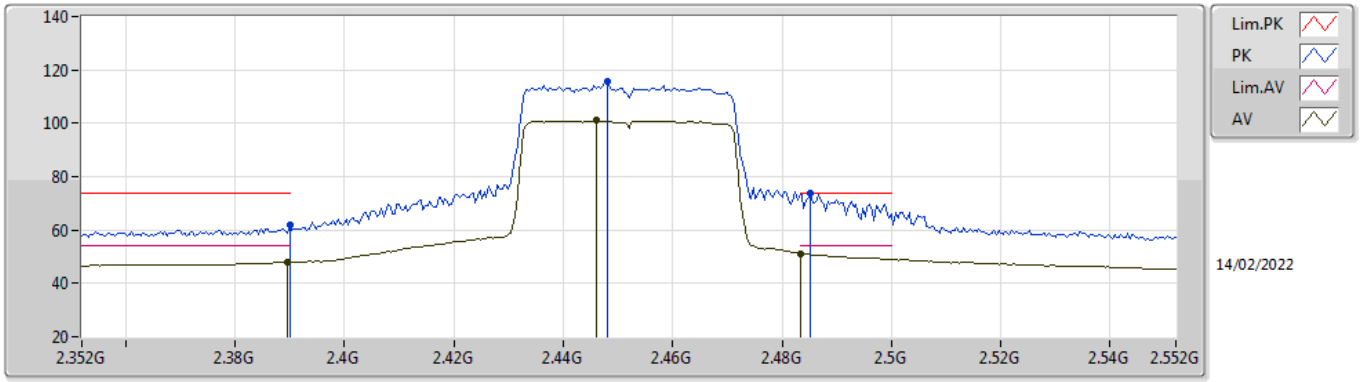


EUT Z_2TX
Setting 90
06-F-K-5

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	4.87054G	44.78	74.00	-29.22	40.16	3	Horizontal	6	2.11	-	31.04	5.60	32.02
AV	4.86942G	30.94	54.00	-23.06	26.32	3	Horizontal	6	2.11	-	31.04	5.60	32.02
PK	7.31532G	51.56	74.00	-22.44	41.79	3	Horizontal	239	1.39	-	36.34	6.90	33.47
AV	7.31426G	37.71	54.00	-16.29	27.94	3	Horizontal	239	1.39	-	36.34	6.90	33.47

802.11ax HEW40_Nss2,(MCS0)_2TX

2452MHz_TX

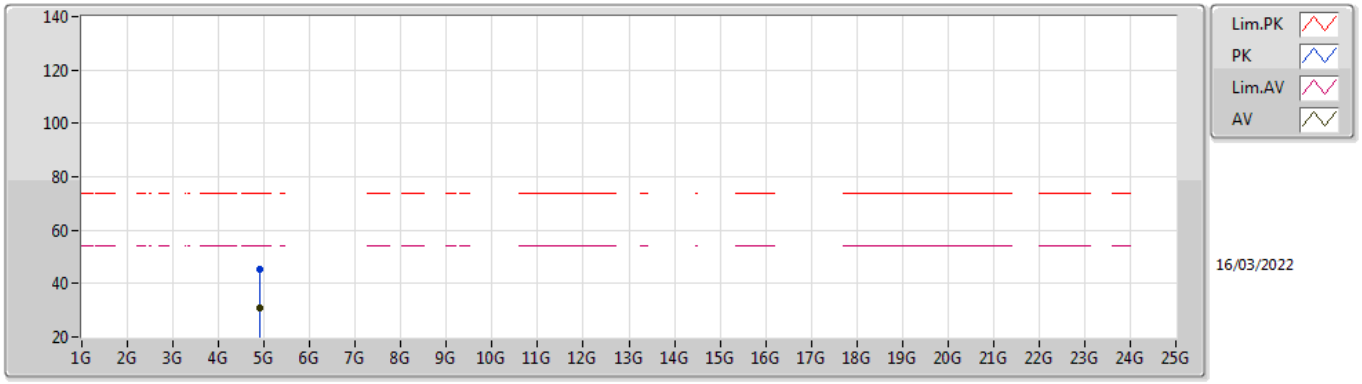


EUT Z_2TX
Setting 83
06-F-S-5

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	61.73	74.00	-12.27	30.46	3	Vertical	360	2.57	-	27.48	3.79	-
AV	2.3896G	47.94	54.00	-6.06	16.67	3	Vertical	360	2.57	-	27.48	3.79	-
PK	2.448G	115.68	Inf	-Inf	84.62	3	Vertical	360	2.57	-	27.21	3.85	-
AV	2.446G	101.10	Inf	-Inf	70.03	3	Vertical	360	2.57	-	27.22	3.85	-
PK	2.4852G	73.81	74.00	-0.19	42.65	3	Vertical	360	2.57	-	27.27	3.89	-
AV	2.4835G	51.07	54.00	-2.93	19.92	3	Vertical	360	2.57	-	27.27	3.88	-

802.11ax HEW40_Nss2,(MCS0)_2TX

2452MHz_TX

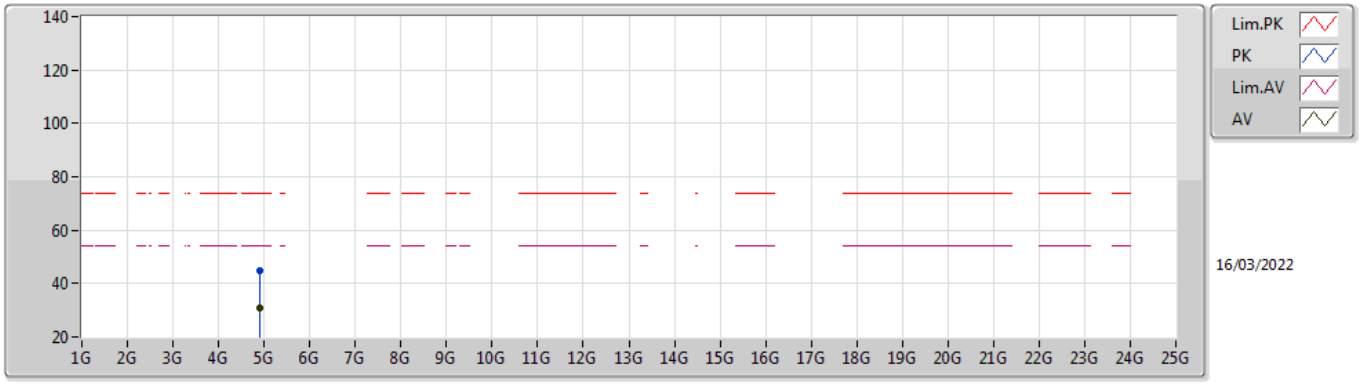


EUT Z_2TX
Setting 83
06-F-S-5

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	4.90424G	45.17	74.00	-28.83	40.44	3	Vertical	260	1.82	-	31.12	5.60	31.99
AV	4.90194G	30.84	54.00	-23.16	26.12	3	Vertical	260	1.82	-	31.11	5.60	31.99

802.11ax HEW40_Nss2,(MCS0)_2TX

2452MHz_TX



EUT Z_2TX
Setting 83
06-F-S-5

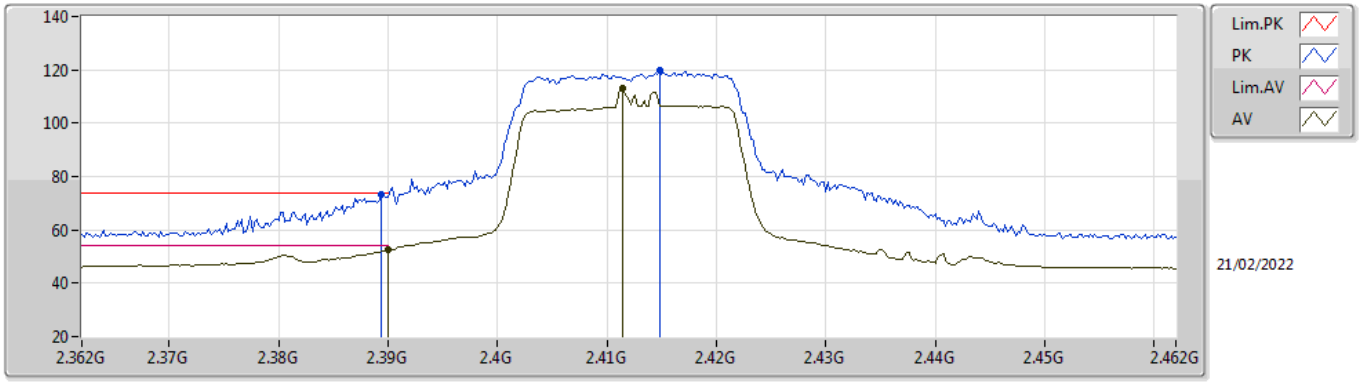
Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.9006G	44.74	74.00	-29.26	40.03	3	Horizontal	45	2.91	-	31.10	5.60	31.99
AV	4.90588G	30.88	54.00	-23.12	26.15	3	Horizontal	45	2.91	-	31.12	5.60	31.99

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	Pass	AV	2.39G	53.97	54.00	-0.03	3	Vertical	1	2.37	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

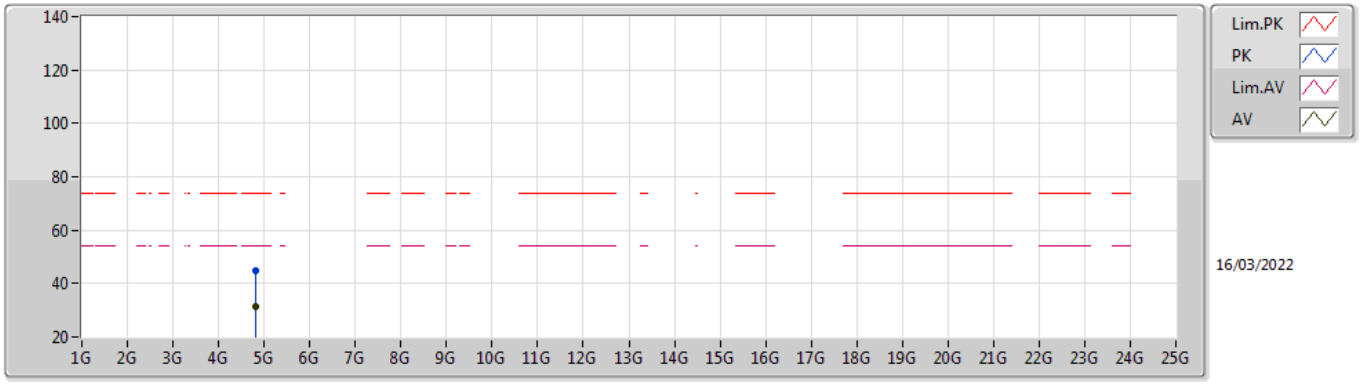


EUT Z_2TX
Setting 80
06-C-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3894G	73.47	74.00	-0.53	42.20	3	Vertical	2	2.62	-	27.48	3.79	-
AV	2.39G	52.44	54.00	-1.56	21.17	3	Vertical	2	2.62	-	27.48	3.79	-
PK	2.4148G	119.81	Inf	-Inf	88.66	3	Vertical	2	2.62	-	27.34	3.81	-
AV	2.4114G	113.07	Inf	-Inf	81.91	3	Vertical	2	2.62	-	27.35	3.81	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

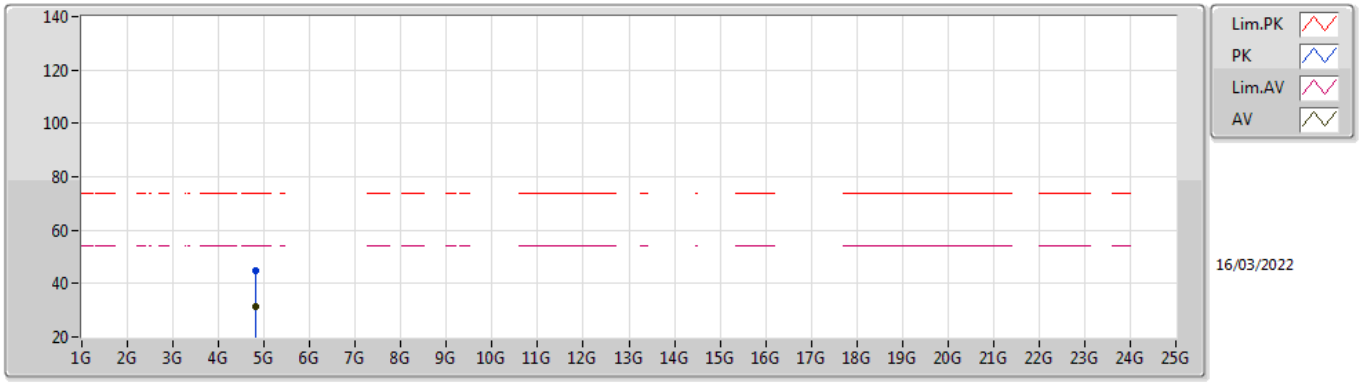


EUT Z_2TX
Setting 80
06-F-K-5

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	4.82156G	44.88	74.00	-29.12	40.28	3	Vertical	101	1.85	-	31.06	5.60	32.06
AV	4.82106G	31.29	54.00	-22.71	26.69	3	Vertical	101	1.85	-	31.06	5.60	32.06

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

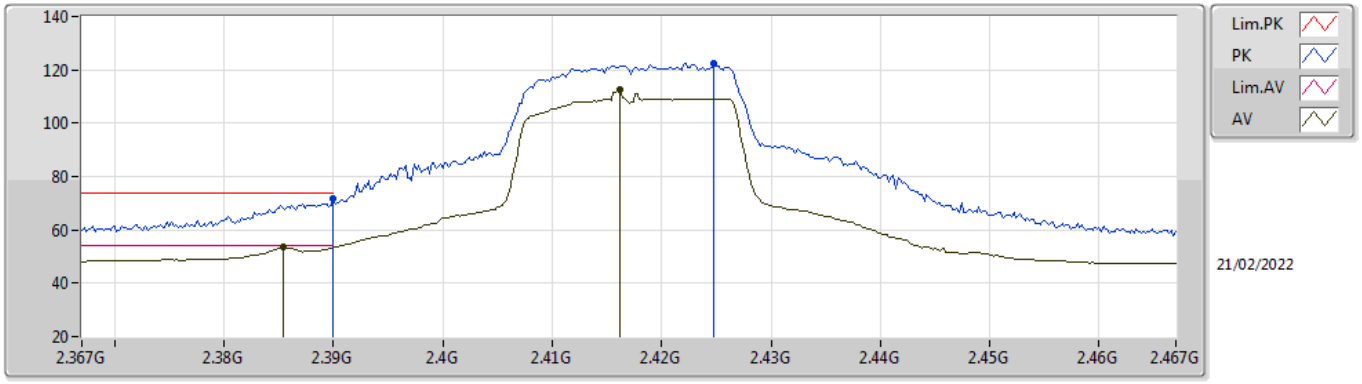


EUT Z_2TX
Setting 80
06-F-K-5

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	4.82536G	45.08	74.00	-28.92	40.49	3	Horizontal	114	1.87	-	31.05	5.60	32.06
AV	4.8211G	31.25	54.00	-22.75	26.65	3	Horizontal	114	1.87	-	31.06	5.60	32.06

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2417MHz_TX

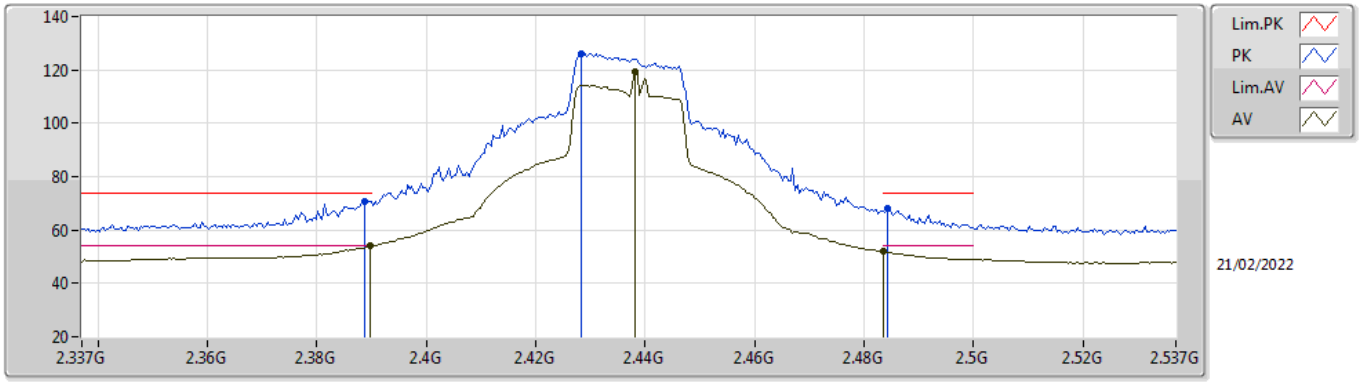


EUT Z_2TX
Setting 92
06-C-S-5

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	71.84	74.00	-2.16	40.57	3	Vertical	151.2	2.23	-	27.48	3.79	-
AV	2.3854G	53.66	54.00	-0.34	22.35	3	Vertical	151.2	2.23	-	27.52	3.79	-
PK	2.4248G	122.45	Inf	-Inf	91.33	3	Vertical	151.2	2.23	-	27.30	3.82	-
AV	2.4162G	112.72	Inf	-Inf	81.56	3	Vertical	151.2	2.23	-	27.34	3.82	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

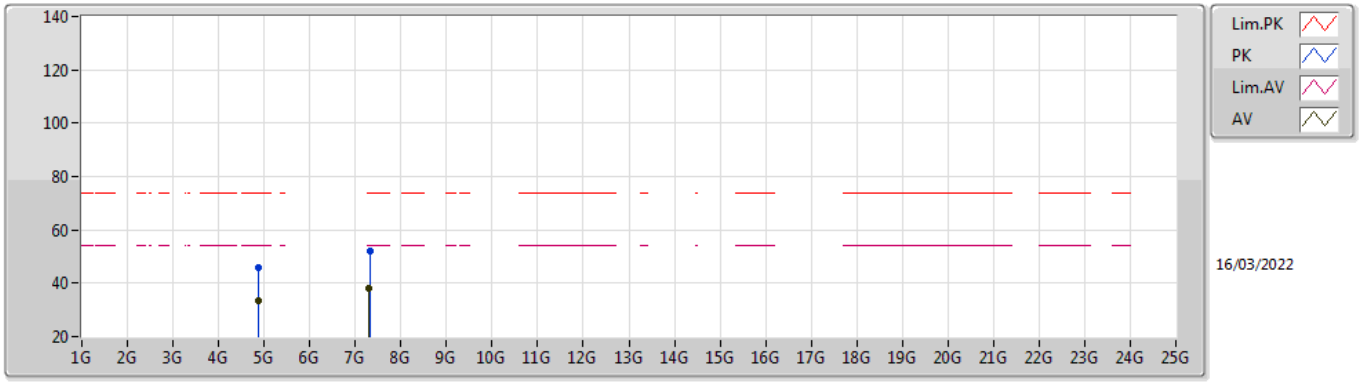


EUT Z_2TX
Setting 106
06-C-S-5

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	70.86	74.00	-3.14	39.58	3	Vertical	1	2.35	-	27.49	3.79	-
AV	2.3898G	53.88	54.00	-0.12	22.61	3	Vertical	1	2.35	-	27.48	3.79	-
PK	2.4282G	126.18	Inf	-Inf	95.06	3	Vertical	1	2.35	-	27.29	3.83	-
AV	2.4382G	119.46	Inf	-Inf	88.37	3	Vertical	1	2.35	-	27.25	3.84	-
PK	2.4842G	67.98	74.00	-6.02	36.83	3	Vertical	1	2.35	-	27.27	3.88	-
AV	2.4835G	51.84	54.00	-2.16	20.69	3	Vertical	1	2.35	-	27.27	3.88	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

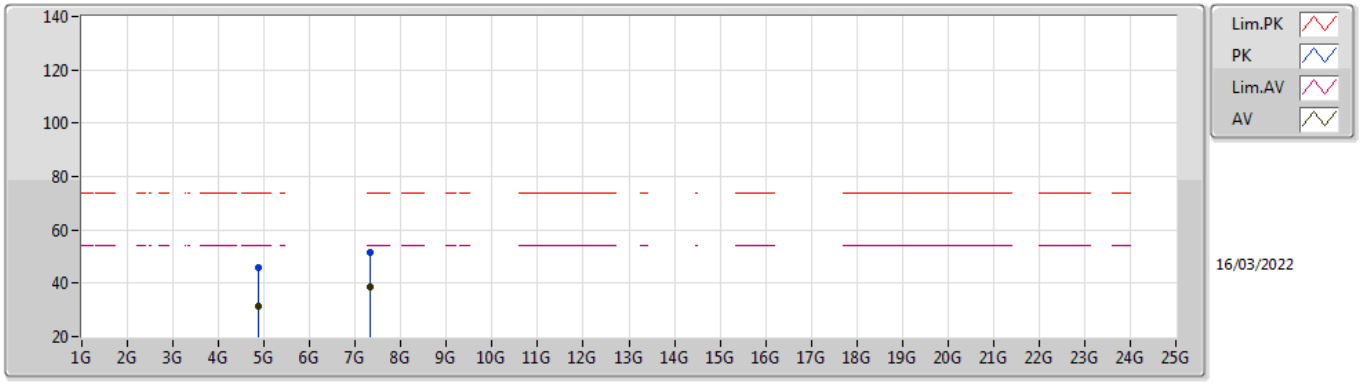


EUT Z_2TX
Setting 106
06-F-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87387G	45.67	74.00	-28.33	41.04	3	Vertical	3	1.80	-	31.05	5.60	32.02
AV	4.87402G	33.59	54.00	-20.41	28.96	3	Vertical	3	1.80	-	31.05	5.60	32.02
PK	7.31232G	51.83	74.00	-22.17	42.05	3	Vertical	41	2.20	-	36.35	6.90	33.47
AV	7.30766G	38.09	54.00	-15.91	28.28	3	Vertical	41	2.20	-	36.37	6.90	33.46

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

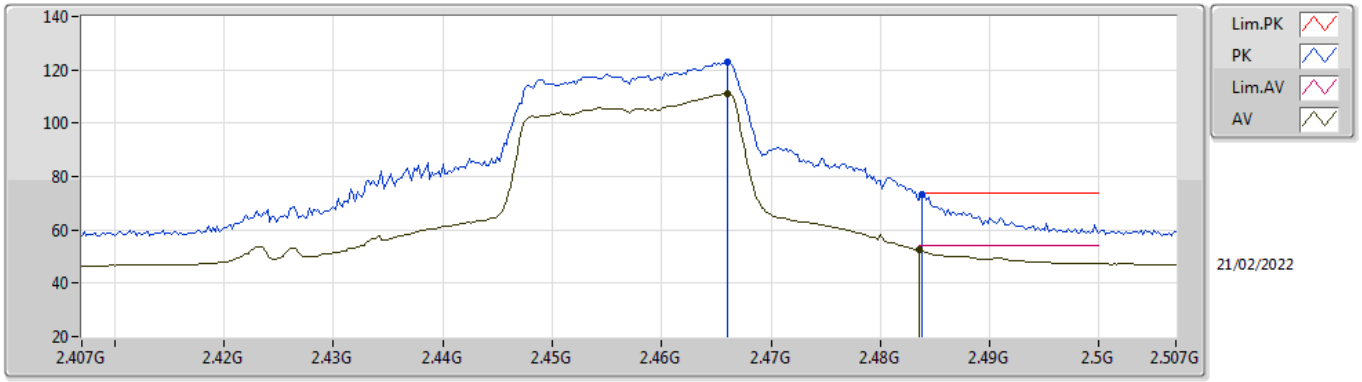


EUT Z_2TX
Setting 106
06-C-S-5

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	4.8737G	45.99	74.00	-28.01	41.36	3	Horizontal	114	1.80	-	31.05	5.60	32.02
AV	4.87359G	31.63	54.00	-22.37	27.00	3	Horizontal	114	1.80	-	31.05	5.60	32.02
PK	7.31552G	51.35	74.00	-22.65	41.58	3	Horizontal	230	2.25	-	36.34	6.90	33.47
AV	7.31172G	38.37	54.00	-15.63	28.59	3	Horizontal	230	2.25	-	36.35	6.90	33.47

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2457MHz_TX

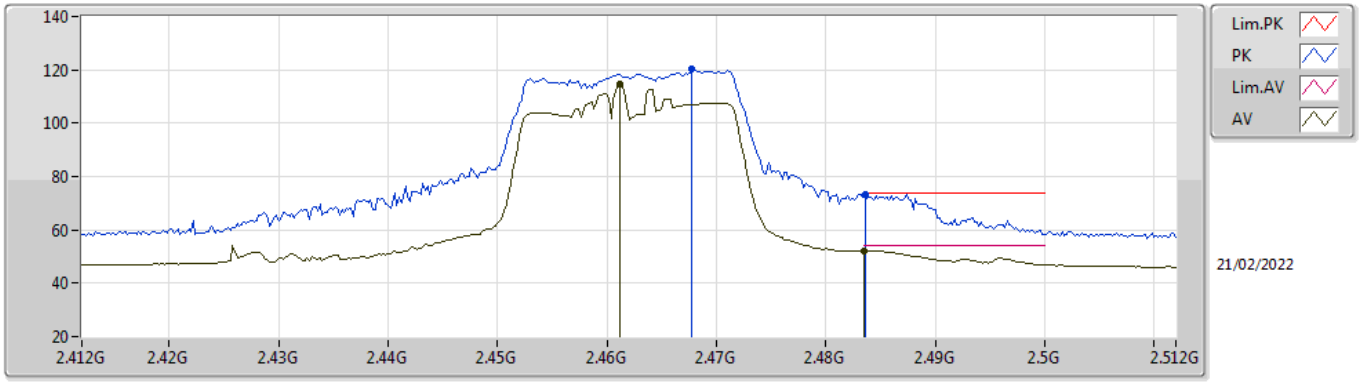


EUT Z_2TX
Setting 92
06-C-S-5

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	2.466G	122.83	Inf	-Inf	91.73	3	Vertical	24.2	1.81	-	27.23	3.87	-
AV	2.466G	111.07	Inf	-Inf	79.97	3	Vertical	24.2	1.81	-	27.23	3.87	-
PK	2.4838G	73.18	74.00	-0.82	42.03	3	Vertical	24.2	1.81	-	27.27	3.88	-
AV	2.4835G	52.41	54.00	-1.59	21.26	3	Vertical	24.2	1.81	-	27.27	3.88	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

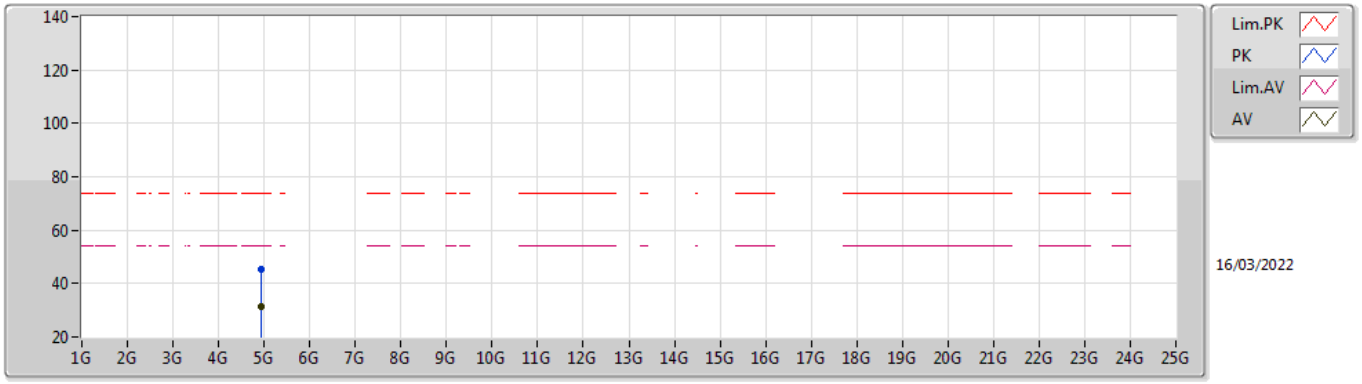


EUT Z_2TX
Setting 85
06-C-S-5

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	2.4678G	120.21	Inf	-Inf	89.10	3	Vertical	22	2.54	-	27.24	3.87	-
AV	2.4612G	114.44	Inf	-Inf	83.36	3	Vertical	22	2.54	-	27.22	3.86	-
PK	2.4836G	73.22	74.00	-0.78	42.07	3	Vertical	22	2.54	-	27.27	3.88	-
AV	2.4835G	52.13	54.00	-1.87	20.98	3	Vertical	22	2.54	-	27.27	3.88	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

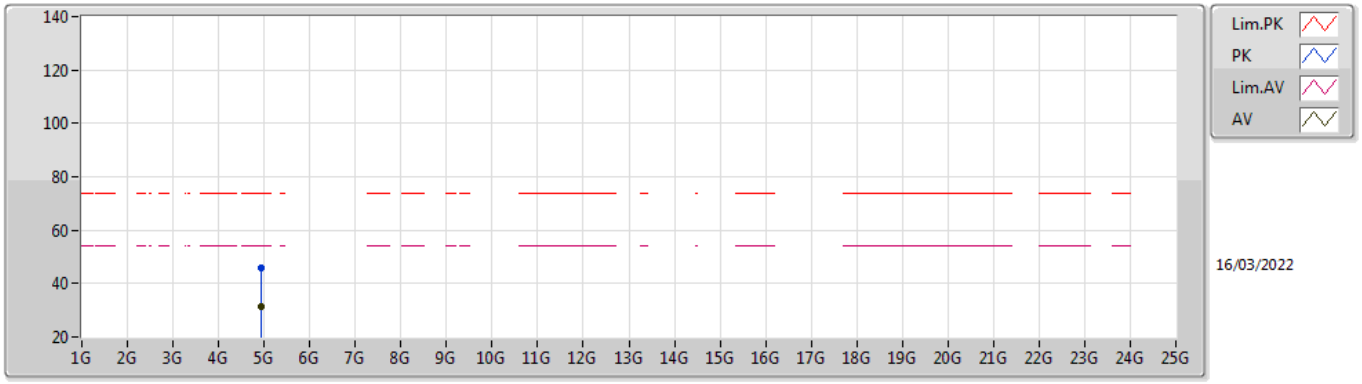


EUT Z_2TX
Setting 85
06-F-K-5

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	4.92462G	45.38	74.00	-28.62	40.55	3	Vertical	278	1.49	-	31.20	5.60	31.97
AV	4.92404G	31.58	54.00	-22.42	26.75	3	Vertical	278	1.49	-	31.20	5.60	31.97

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

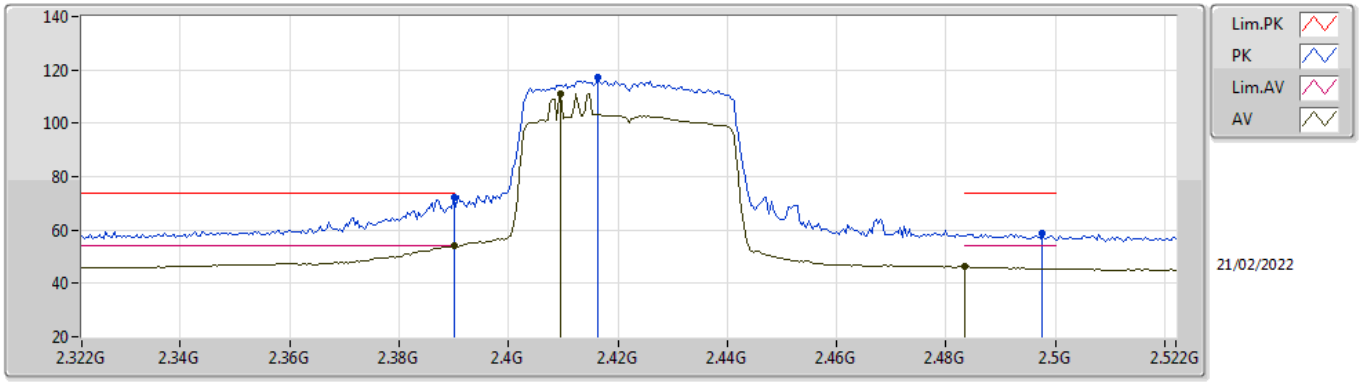


EUT Z_2TX
Setting 85
06-F-K-5

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	4.92672G	45.75	74.00	-28.25	40.91	3	Horizontal	345	1.53	-	31.21	5.60	31.97
AV	4.92382G	31.58	54.00	-22.42	26.75	3	Horizontal	345	1.53	-	31.20	5.60	31.97

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

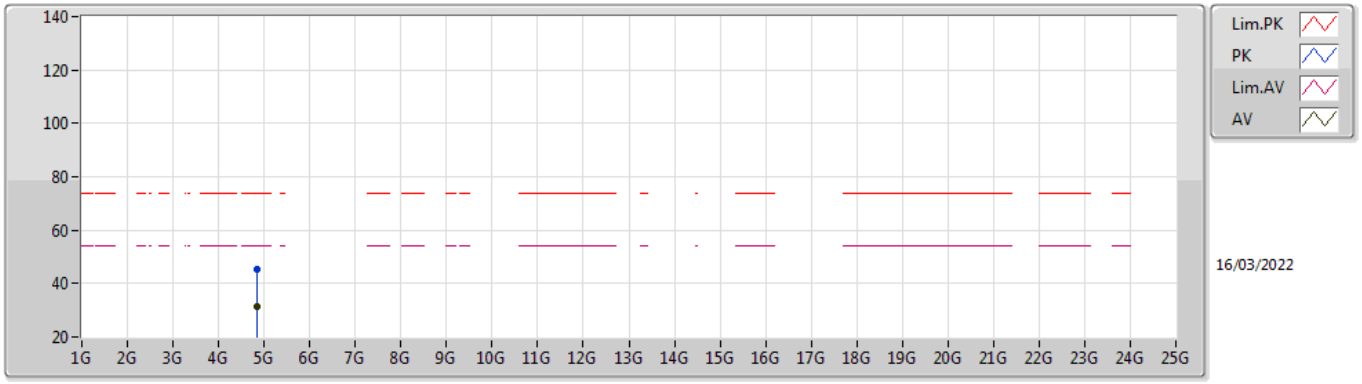


EUT Z_2TX
Setting 79
06-C-S-5

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	72.18	74.00	-1.82	40.91	3	Vertical	1	2.37	-	27.48	3.79	-
AV	2.39G	53.97	54.00	-0.03	22.70	3	Vertical	1	2.37	-	27.48	3.79	-
PK	2.4164G	117.04	Inf	-Inf	85.89	3	Vertical	1	2.37	-	27.33	3.82	-
AV	2.4096G	110.95	Inf	-Inf	79.78	3	Vertical	1	2.37	-	27.36	3.81	-
PK	2.4976G	58.65	74.00	-15.35	27.45	3	Vertical	1	2.37	-	27.30	3.90	-
AV	2.4835G	46.31	54.00	-7.69	15.16	3	Vertical	1	2.37	-	27.27	3.88	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

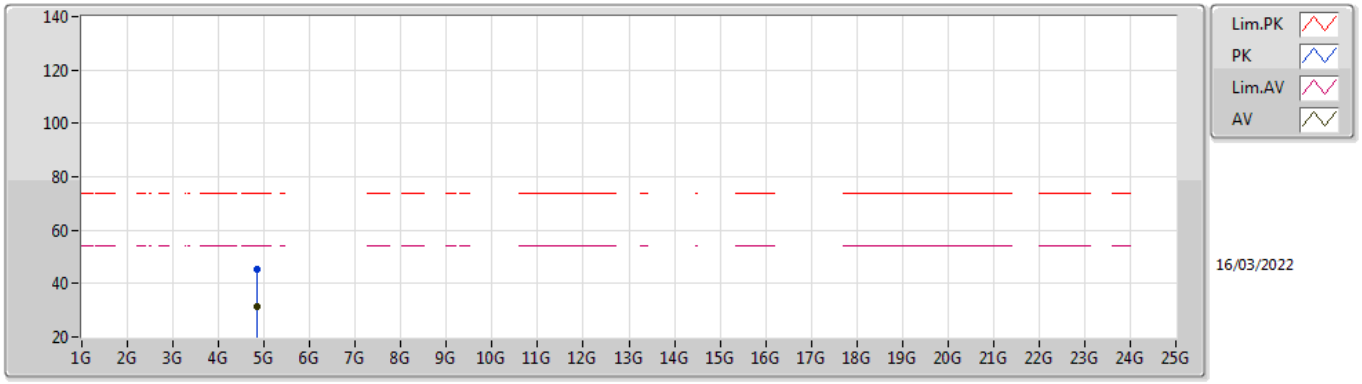


EUT Z_2TX
Setting 79
06-F-K-5

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	4.84424G	45.26	74.00	-28.74	40.69	3	Vertical	110	2.50	-	31.01	5.60	32.04
AV	4.84306G	31.42	54.00	-22.58	26.85	3	Vertical	110	2.50	-	31.01	5.60	32.04

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

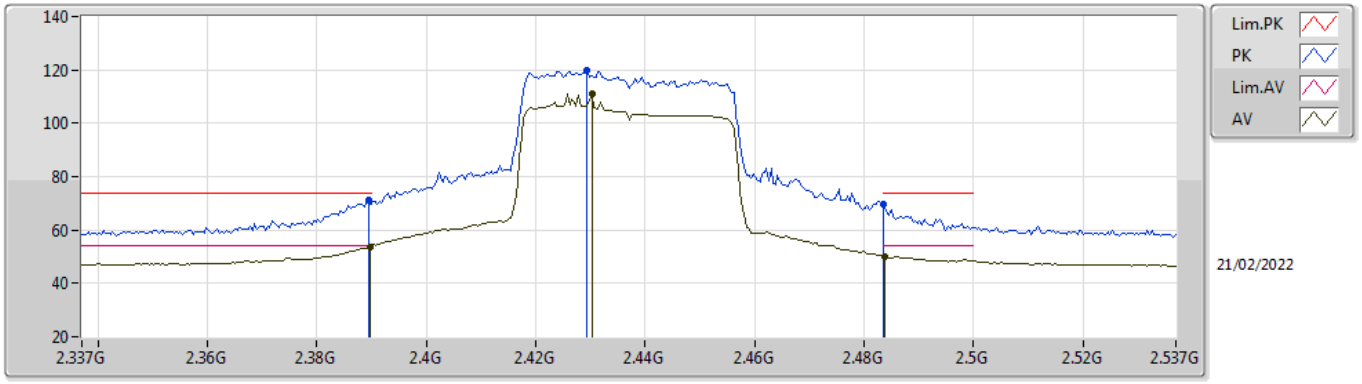


EUT Z_2TX
Setting 79
06-F-K-5

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	4.84726G	45.21	74.00	-28.79	40.64	3	Horizontal	345	2.79	-	31.01	5.60	32.04
AV	4.84128G	31.43	54.00	-22.57	26.85	3	Horizontal	345	2.79	-	31.02	5.60	32.04

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

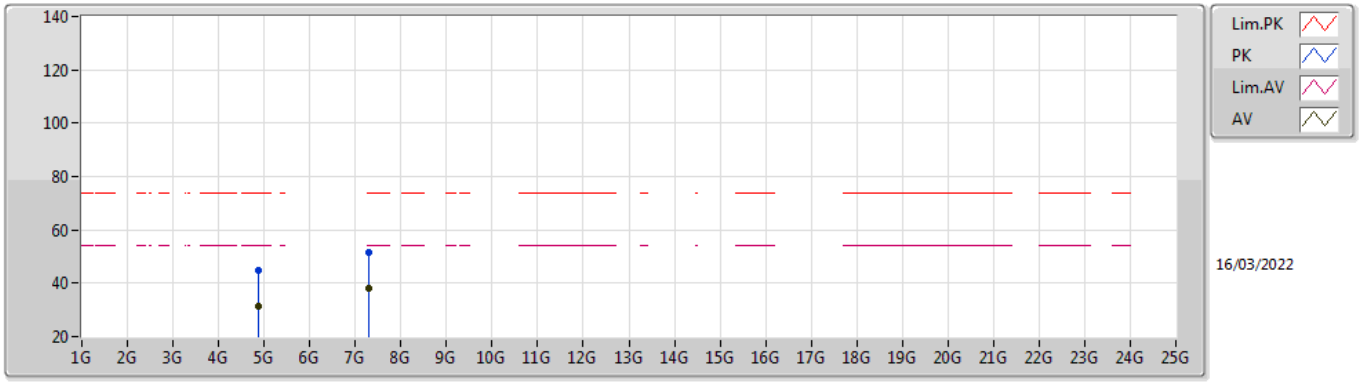


EUT Z_2TX
Setting 88
06-C-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3894G	71.16	74.00	-2.84	39.89	3	Vertical	13.2	2.56	-	27.48	3.79	-
AV	2.3898G	53.70	54.00	-0.30	22.43	3	Vertical	13.2	2.56	-	27.48	3.79	-
PK	2.4294G	119.63	Inf	-Inf	88.52	3	Vertical	13.2	2.56	-	27.28	3.83	-
AV	2.4302G	111.13	Inf	-Inf	80.02	3	Vertical	13.2	2.56	-	27.28	3.83	-
PK	2.4835G	69.86	74.00	-4.14	38.71	3	Vertical	13.2	2.56	-	27.27	3.88	-
AV	2.4838G	50.10	54.00	-3.90	18.95	3	Vertical	13.2	2.56	-	27.27	3.88	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

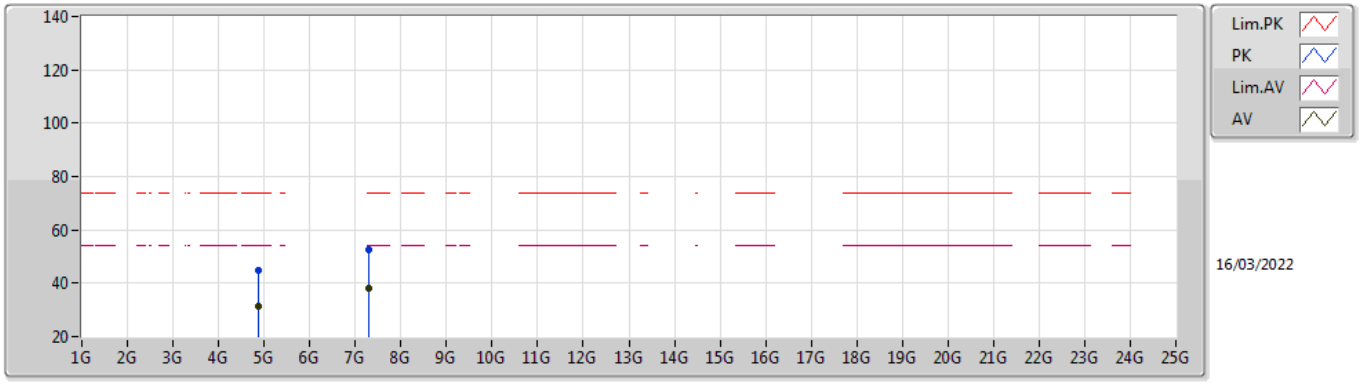


EUT Z_2TX
Setting 88
06-F-K-5

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	4.87334G	44.95	74.00	-29.05	40.32	3	Vertical	17	2.45	-	31.05	5.60	32.02
AV	4.8744G	31.26	54.00	-22.74	26.63	3	Vertical	17	2.45	-	31.05	5.60	32.02
PK	7.30604G	51.49	74.00	-22.51	41.67	3	Vertical	186	1.43	-	36.38	6.90	33.46
AV	7.30782G	38.14	54.00	-15.86	28.33	3	Vertical	186	1.43	-	36.37	6.90	33.46

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

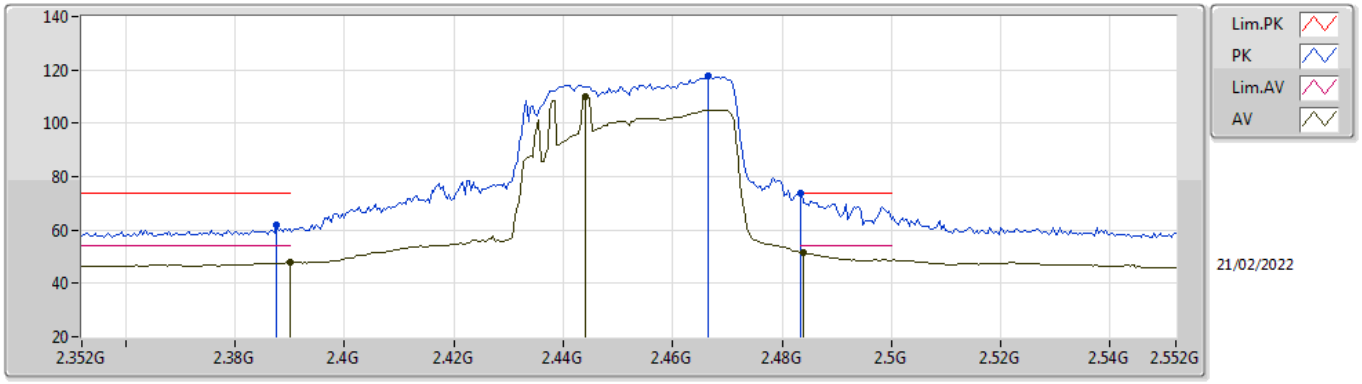


EUT Z_2TX
Setting 88
06-F-K-5

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	4.86952G	45.02	74.00	-28.98	40.40	3	Horizontal	336	1.20	-	31.04	5.60	32.02
AV	4.87328G	31.37	54.00	-22.63	26.74	3	Horizontal	336	1.20	-	31.05	5.60	32.02
PK	7.30604G	52.49	74.00	-21.51	42.67	3	Horizontal	66	1.03	-	36.38	6.90	33.46
AV	7.30796G	38.11	54.00	-15.89	28.30	3	Horizontal	66	1.03	-	36.37	6.90	33.46

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

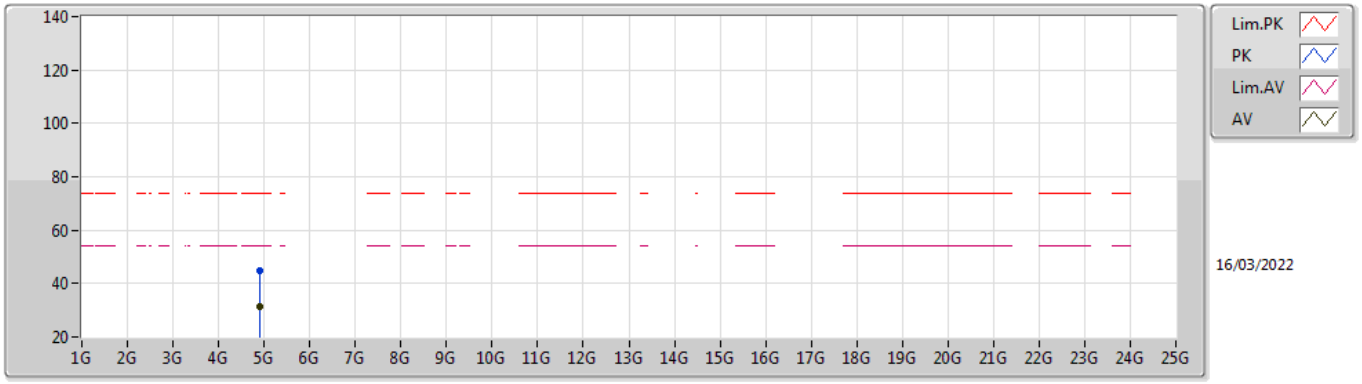


EUT Z_2TX
Setting 85
06-C-S-5

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	61.83	74.00	-12.17	30.54	3	Vertical	28.9	2.34	-	27.50	3.79	-
AV	2.39G	48.01	54.00	-5.99	16.74	3	Vertical	28.9	2.34	-	27.48	3.79	-
PK	2.4664G	117.57	Inf	-Inf	86.47	3	Vertical	28.9	2.34	-	27.23	3.87	-
AV	2.444G	109.81	Inf	-Inf	78.75	3	Vertical	28.9	2.34	-	27.22	3.84	-
PK	2.4835G	73.66	74.00	-0.34	42.51	3	Vertical	28.9	2.34	-	27.27	3.88	-
AV	2.484G	51.60	54.00	-2.40	20.45	3	Vertical	28.9	2.34	-	27.27	3.88	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

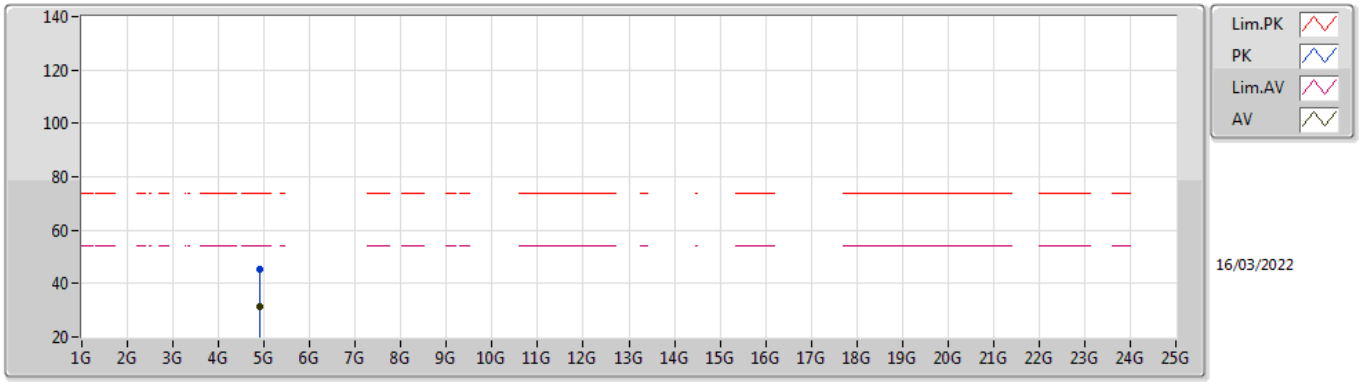


EUT Z_2TX
Setting 85
06-F-K-5

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	4.90798G	45.02	74.00	-28.98	40.28	3	Vertical	54	2.01	-	31.13	5.60	31.99
AV	4.90734G	31.17	54.00	-22.83	26.43	3	Vertical	54	2.01	-	31.13	5.60	31.99

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2452MHz_TX



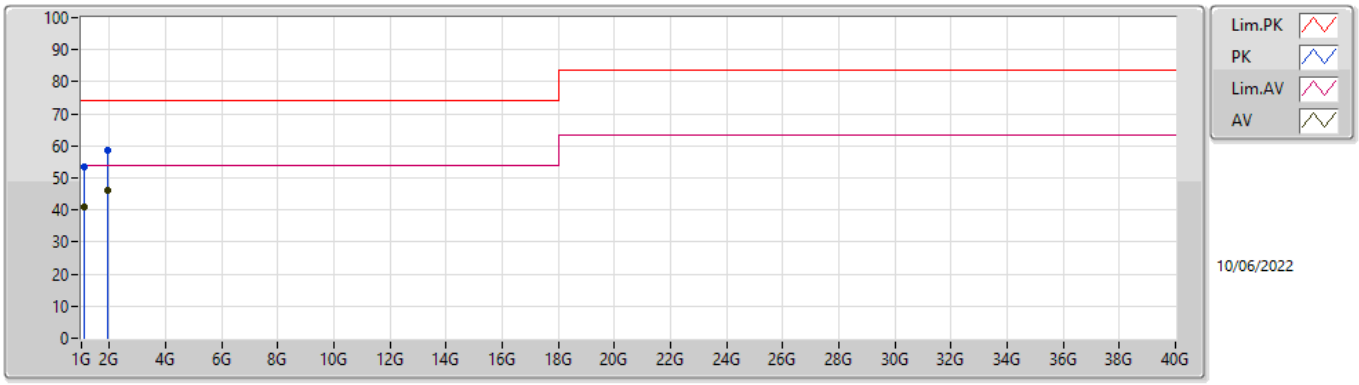
EUT Z_2TX
Setting 85
06-F-K-5

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	4.90272G	45.57	74.00	-28.43	40.85	3	Horizontal	202	1.77	-	31.11	5.60	31.99
AV	4.90804G	31.30	54.00	-22.70	26.56	3	Horizontal	202	1.77	-	31.13	5.60	31.99

Summary

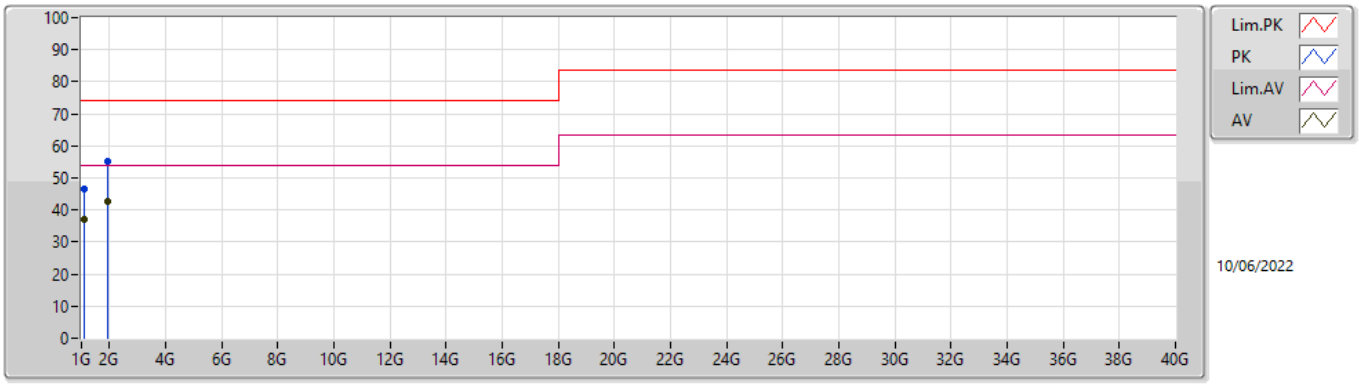
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	1.94994G	46.24	54.00	-7.76	Vertical

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	1.12035G	53.59	74.00	-20.41	-10.48	3	Vertical	217	2.12	-	64.07	24.17	2.28	36.93
AV	1.12133G	41.08	54.00	-12.92	-10.47	3	Vertical	217	2.12	-	51.55	24.18	2.28	36.93
PK	1.95254G	58.57	74.00	-15.43	-4.06	3	Vertical	139	1.96	-	62.63	27.65	3.05	34.76
AV	1.94994G	46.24	54.00	-7.76	-4.11	3	Vertical	139	1.96	"Worst"	50.35	27.60	3.05	34.76

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	1.12035G	46.37	74.00	-27.63	-10.48	3	Horizontal	329	1.66	-	56.85	24.17	2.28	36.93
AV	1.12133G	37.25	54.00	-16.75	-10.47	3	Horizontal	329	1.66	-	47.72	24.18	2.28	36.93
PK	1.95254G	55.09	74.00	-18.91	-4.06	3	Horizontal	52	1.34	-	59.15	27.65	3.05	34.76
AV	1.94994G	42.71	54.00	-11.29	-4.11	3	Horizontal	52	1.34	"Worst"	46.82	27.60	3.05	34.76