



RADIO TEST REPORT

FCC ID : 2ABLP-RG32X0X
Equipment : Wi-Fi Gateway 3
Brand Name : Viasat
Model Name : RG32X0X
(Please refer to section 1.1.5 for detail information)
Applicant : Viasat, Inc.
6155 El Camino Real Carlsbad, CA 92009 USA
Manufacturer : Hitron Technologies Inc.
No. 1-8, Li-Hsin 1st Rd. Hsinchu Science Park,
Hsinchu 30078, Taiwan
Standard : 47 CFR FCC Part 15.247

The product was received on Aug. 27, 2021, and testing was started from Sep. 17, 2021 and completed on Dec. 15, 2021. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

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



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Photographs of EUT v01



History of this test report

TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-A10_10 Ver1.3

Page Number : 3 of 35
Issued Date : Dec. 30, 2021
Report Version : 01



Summary of Test Result

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

Declaration of Conformity:

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

Comments and Explanations:

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

Reviewed by: Sam Chen

Report Producer: Penny Kao



1 General Description

1.1 Information

1.1.1 RF General Information

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

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

Note:

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

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	4	PSA	RFPCA282807IMLB901	PCB Antenna	I-PEX	Note 1
2	1	PSA	RFPCA282807IMLB902	PCB Antenna	I-PEX	
3	2	PSA	RFPCA312208IMLB901	PCB Antenna	I-PEX	
4	3	PSA	RFPCA312207IMLB901	PCB Antenna	I-PEX	

Note 1:

Ant.	Port	Antenna Gain (dBi)		
		2.4GHz	UNII 1	UNII 3
1	4	3.3	1.32	1.3
2	1	3.11	3.07	2.53
3	2	2.34	1.76	1.17
4	3	1.4	2.37	1.23
Directional Gain (dBi)				
		2.4GHz	UNII 1	UNII 3
4T1S		4.23	3.75	2.98
4T2S		3.3	3.07	2.53
4T4S		-0.73	-0.17	-0.65

Note1: The above information was declared by manufacturer.

Note2: The EUT has four antennas.

For 2.4GHz function:

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

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

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

For 5GHz function:

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

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

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

**1.1.3 Mode Test Duty Cycle**

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11b	0.645	1.9	690u	3k
802.11g	0.955	0.2	1.978m	1k
802.11ax HEW20	0.936	0.29	5.448m	300
802.11ax HEW20-BF	0.951	0.22	3.448m	300
802.11ax HEW40	0.952	0.21	5.448m	300
802.11ax HEW40-BF	0.943	0.25	3.45m	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 11n/VHT/ax in 2.4GHz and 11n/ac/ax in 5GHz.			
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	Non-beamforming: QSPR Version 5.0-00197 Beamforming: PuTTY Release 0.62			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

The model names are listed in the following table:

Model Name	Description
RG32X0X	The "X" in model name can be 0 to 9, A to Z or blank, for marketing purpose

Note1: From the above models, model: RG3210N were selected as representative model for the test and its data was recorded in this report.

Note 2: The above information was declared by manufacturer.



1.2 Applicable Standards

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

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

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

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

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH01-CB	Brian Sun	19.3~20.8 / 51~56	Oct. 05, 2021~ Nov. 05, 2021
Radiated (Below 1GHz)	03CH05-CB	Eason Chen	23.5-24.6 / 55-59	Nov. 17, 2021~ Dec. 15, 2021
Radiated (Above 1GHz)	03CH03-CB	Ken Yeh	24.4-25.5 / 55-58	Sep. 17, 2021~ Sep. 29, 2021
Radiated (Radiated Emission Co-location)	03CH05-CB	Ken Yeh	23.5-24.6 / 55-59	Sep. 17, 2021~ Sep. 29, 2021
AC Conduction	CO01-CB	Joe Chu	22~24 / 55~57	Nov. 23, 2021



1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	2.0 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.5 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	2.5 dB	Confidence levels of 95%
Output Power Measurement	1.3 dB	Confidence levels of 95%
Power Density Measurement	2.5 dB	Confidence levels of 95%
Bandwidth Measurement	0.9%	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

For Non-beamforming mode

Mode	Power Setting
802.11b_Nss1,(1Mbps)_4TX	-
2412MHz	24.5
2437MHz	24.5
2462MHz	24
802.11g_Nss1,(6Mbps)_4TX	-
2412MHz	22
2417MHz	23.5
2437MHz	24.5
2457MHz	24
2462MHz	22
802.11ax HEW20_Nss1,(MCS0)_4TX	-
2412MHz	19.5
2417MHz	23.5
2437MHz	24.5
2457MHz	23.5
2462MHz	22
802.11ax HEW40_Nss1,(MCS0)_4TX	-
2422MHz	19.5
2427MHz	20.5
2437MHz	22.5
2452MHz	20

**For Beamforming mode**

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
2412MHz	26
2417MHz	29
2437MHz	30
2457MHz	29
2462MHz	27
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
2422MHz	26
2437MHz	28
2447MHz	26
2452MHz	25

Note:

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

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	Normal Link
1	EUT + 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	Normal Link
1	EUT in X axis + Adapter 1
2	EUT in Y axis + Adapter 1
3	EUT in Z axis + Adapter 1
Mode 2 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4 will follow this same test mode.	
4	EUT in Y axis + Adapter 2
For operating mode 2 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 Y axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
	The EUT was performed at X axis, Y axis and Z axis position. After evaluation, "Y axis" generated the worst test result from Emissions in Restricted Frequency Bands above 1GHz, so the measurement will follow this same test configuration.
Operating Mode	Normal Link
1	EUT in Y axis + WLAN 2.4GHz + WLAN 5GHz
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz
Refer to Sporton Test Report No.: FA182520 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:

During the test, the following programs under WIN XP 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.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by RX Device and transmit duty cycle no less than 98%.

For Normal Link Mode:

During the test, the EUT operation to normal function.



2.4 Accessories

Power	Brand	Model	Rating
Adapter 1	APD	WA-42D12FU	Input: 100-240V~, 50-60Hz, 1.2 Max. Output: 12V, 3.5A
Adapter 2	Frecom	F42L1-120350SPAU	Input: 100-240V~50/60Hz, 1.4A Output: 12.0V, 3.5A, 42.0W
Others			
RJ-45 cable*1: Non-shielded, 2m			

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	LAN NB	DELL	E6430	N/A
B	WAN NB	DELL	E6430	N/A
C	Phone	SAMPO	HT-B 907WL	N/A
D	2.4G NB	DELL	E6430	N/A
E	5G NB	DELL	E6430	N/A
F	Flash disk3.0	Transcend	JetFlash-700	N/A
G	Flash disk3.0	Transcend	JetFlash-700	N/A

For Radiated (below 1GHz):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	NB	DELL	E4300	N/A
C	NB	DELL	E4300	N/A
D	NB	DELL	E4300	N/A
E	Phone	SAMPO	HT-B 907WL	N/A
F	Flash disk3.0	Silicon Power	B06	N/A
G	Flash disk3.0	Silicon Power	B06	N/A

**For Non beamforming Radiated (above 1GHz):**

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

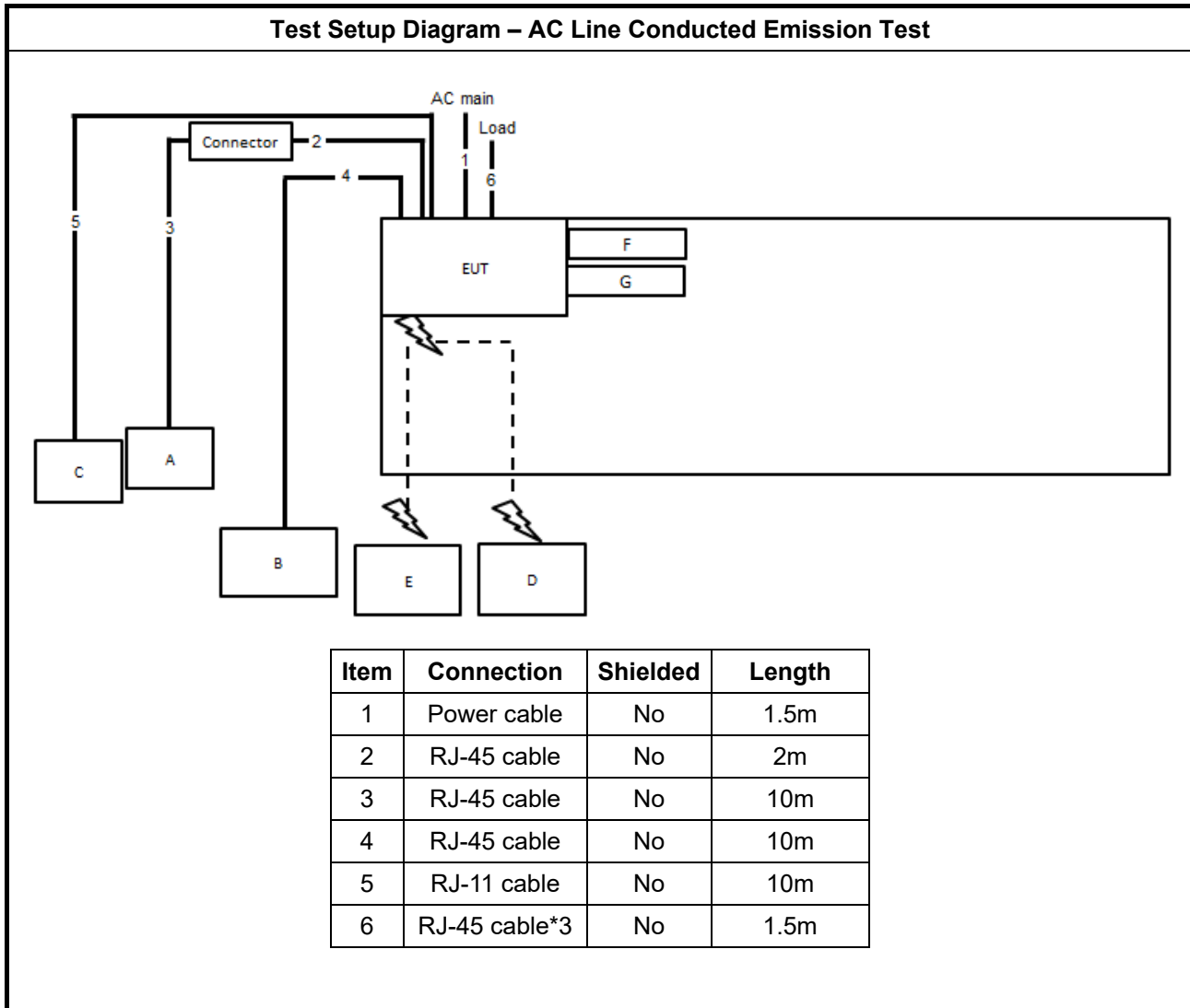
For Beamforming Radiated (above 1GHz):

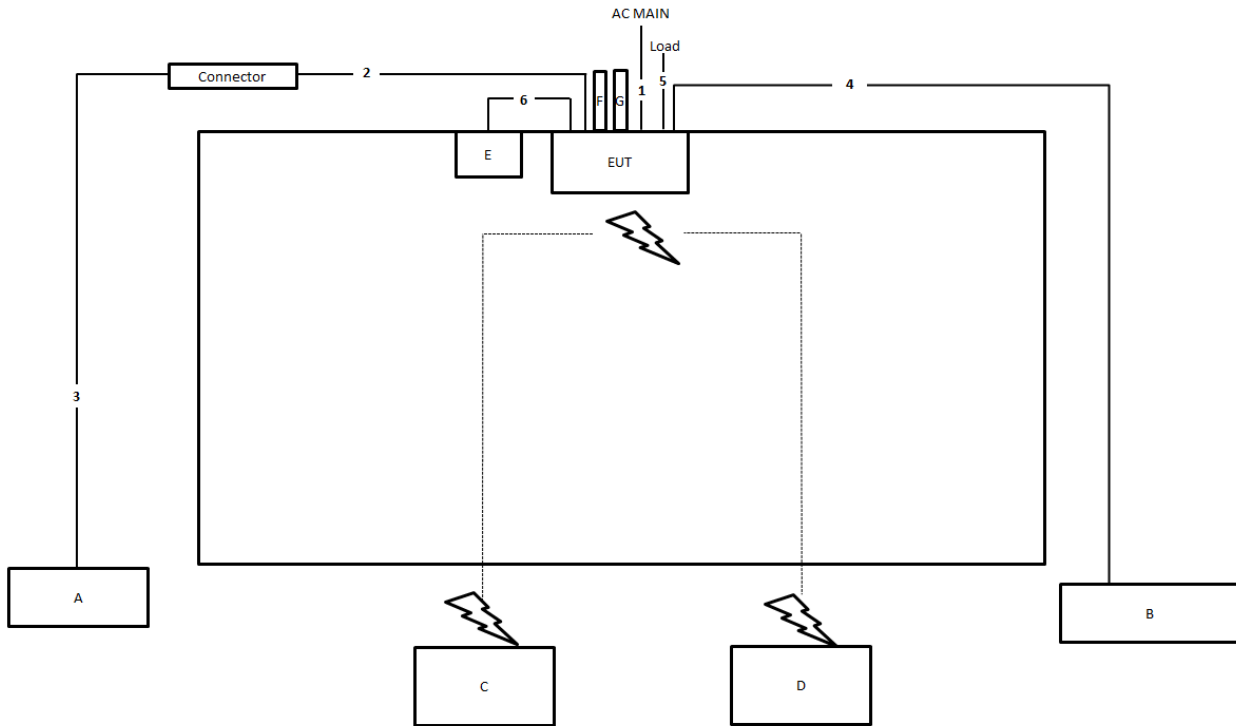
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	RX Device	Hitron tech	RG3210n	N/A
C	NB	DELL	E4300	N/A

For RF Conducted:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	NB	DELL	E4300	N/A
C	RX Device	Hitron tech	RG3210n	N/A

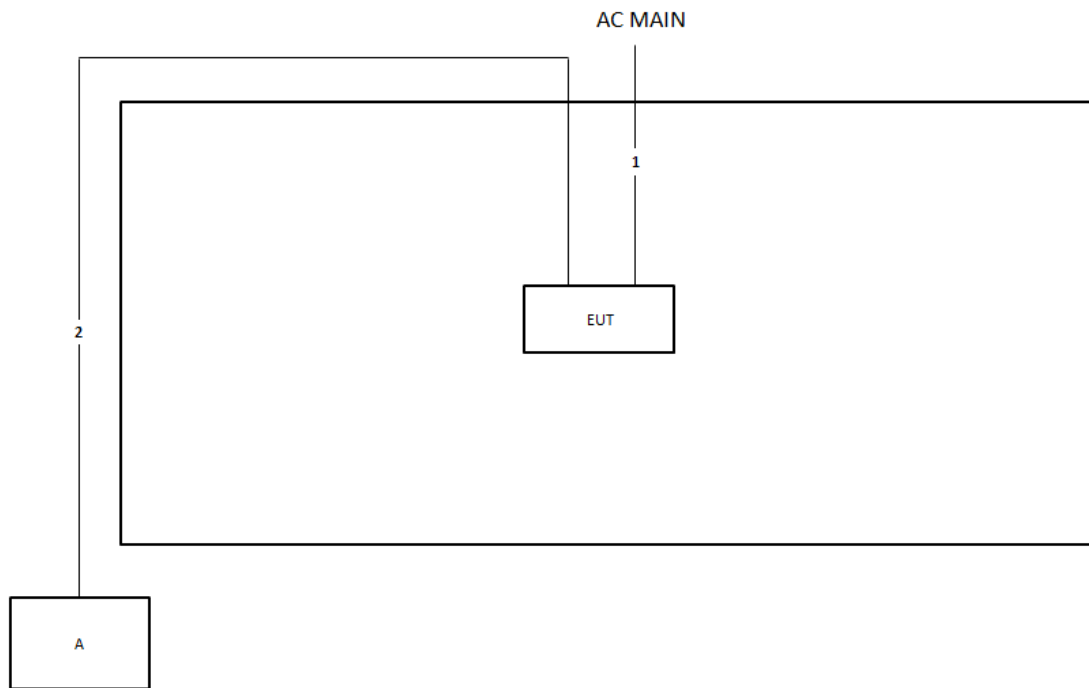
2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test < 1GHz


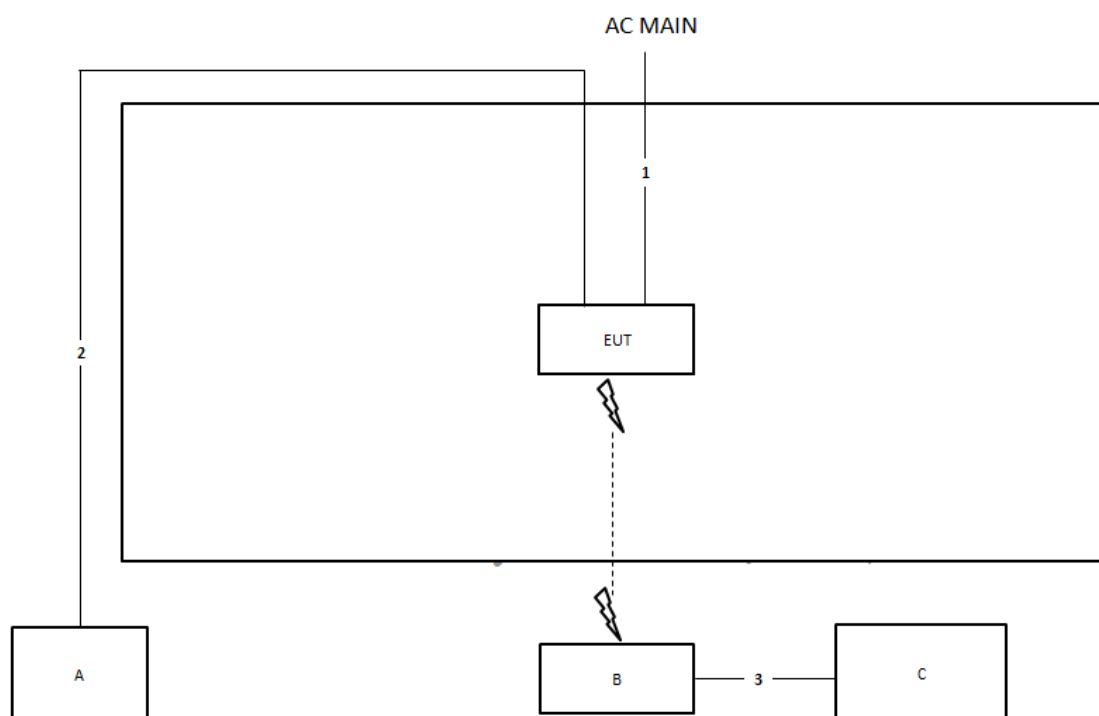
Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	2m
3	RJ-45 cable	No	10m
4	RJ-45 cable	No	10m
5	RJ-45 cable	No	1.5m
6	RJ-11 cable	No	1.5m

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



Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	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.

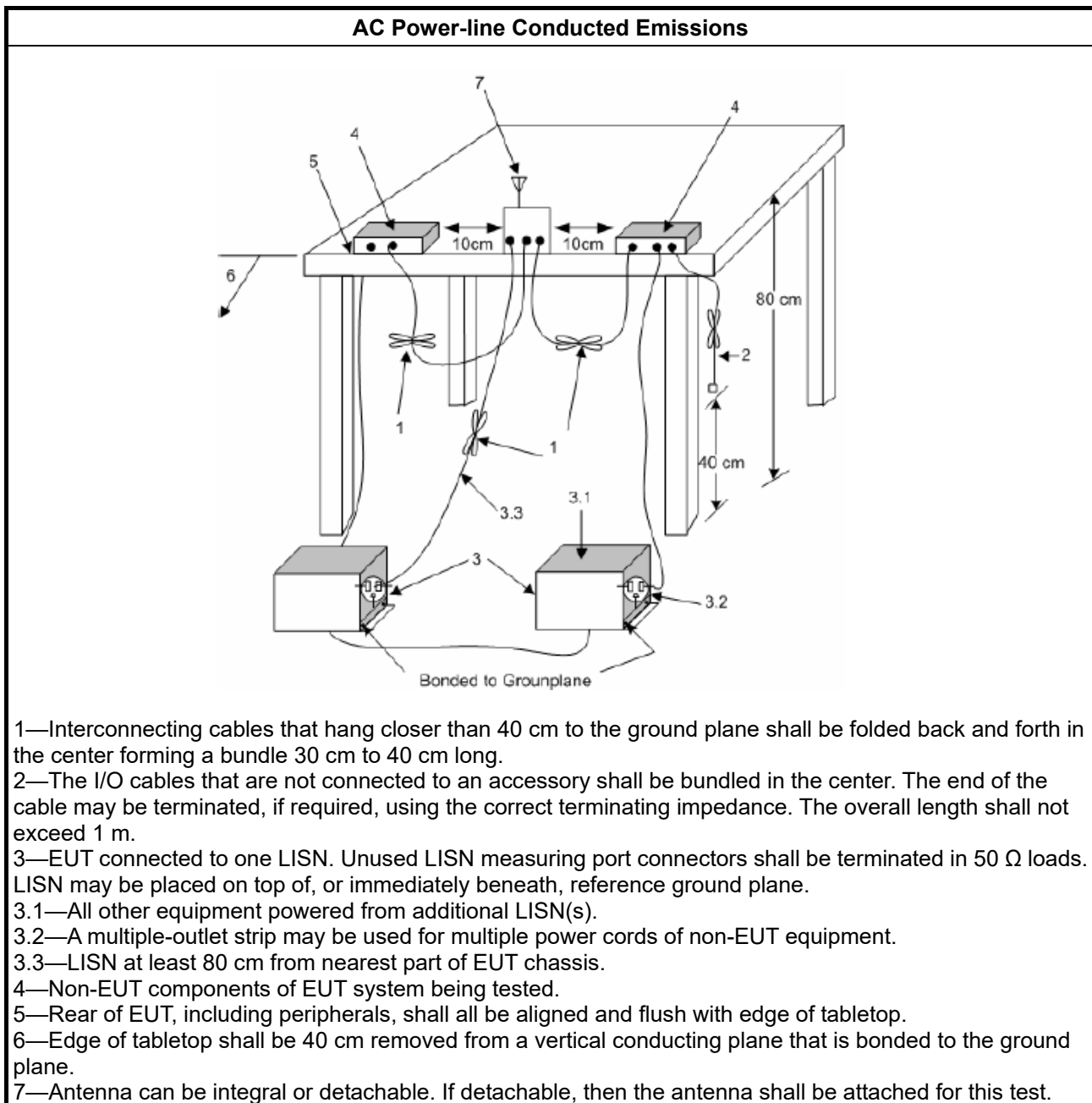
3.1.2 Measuring Instruments

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



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

- Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level
- 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 $\geq$ 500 kHz.

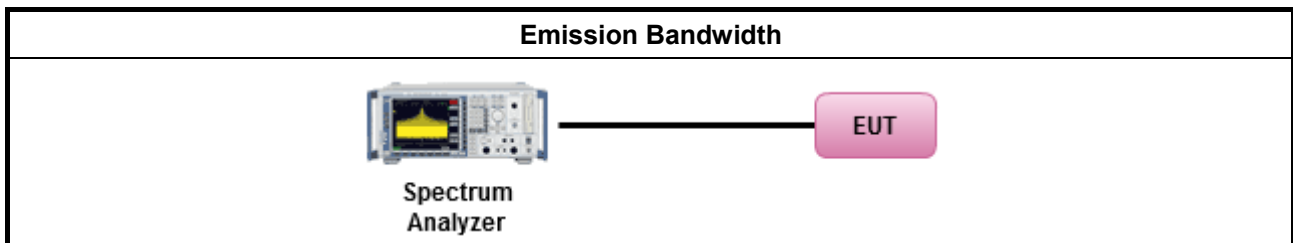
3.2.2 Measuring Instruments

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



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.	

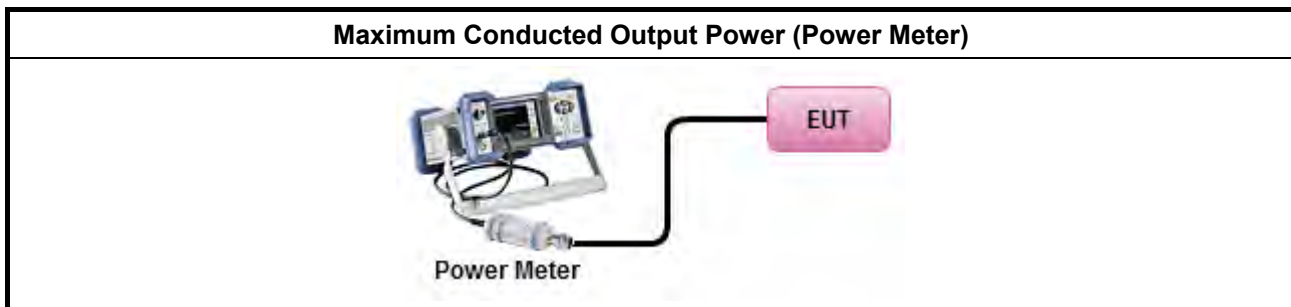
3.3.2 Measuring Instruments

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: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$	

3.3.4 Test Setup



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

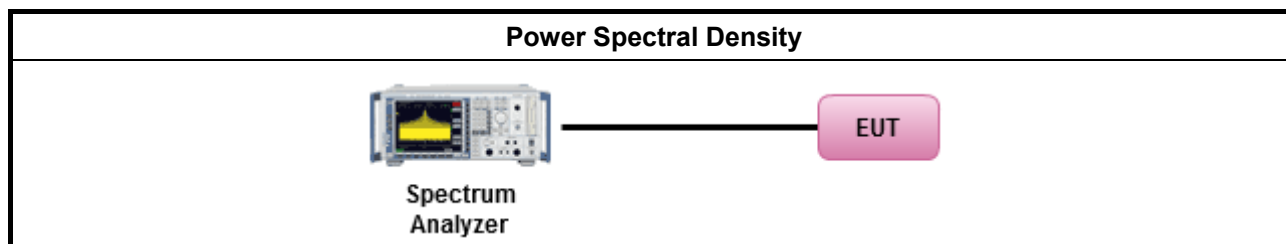
3.4.2 Measuring Instruments

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



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.	

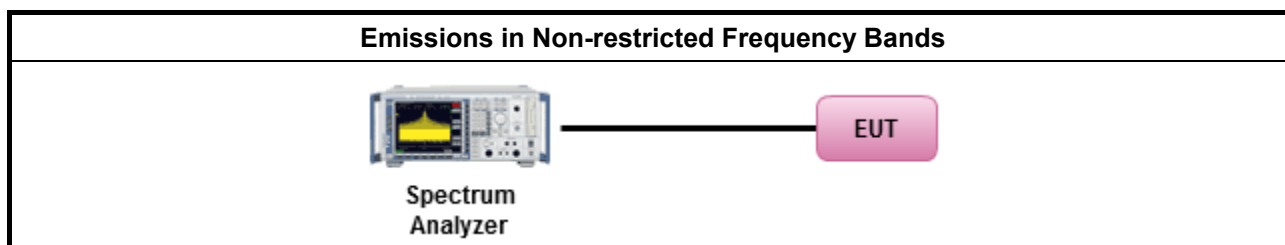
3.5.2 Measuring Instruments

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



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

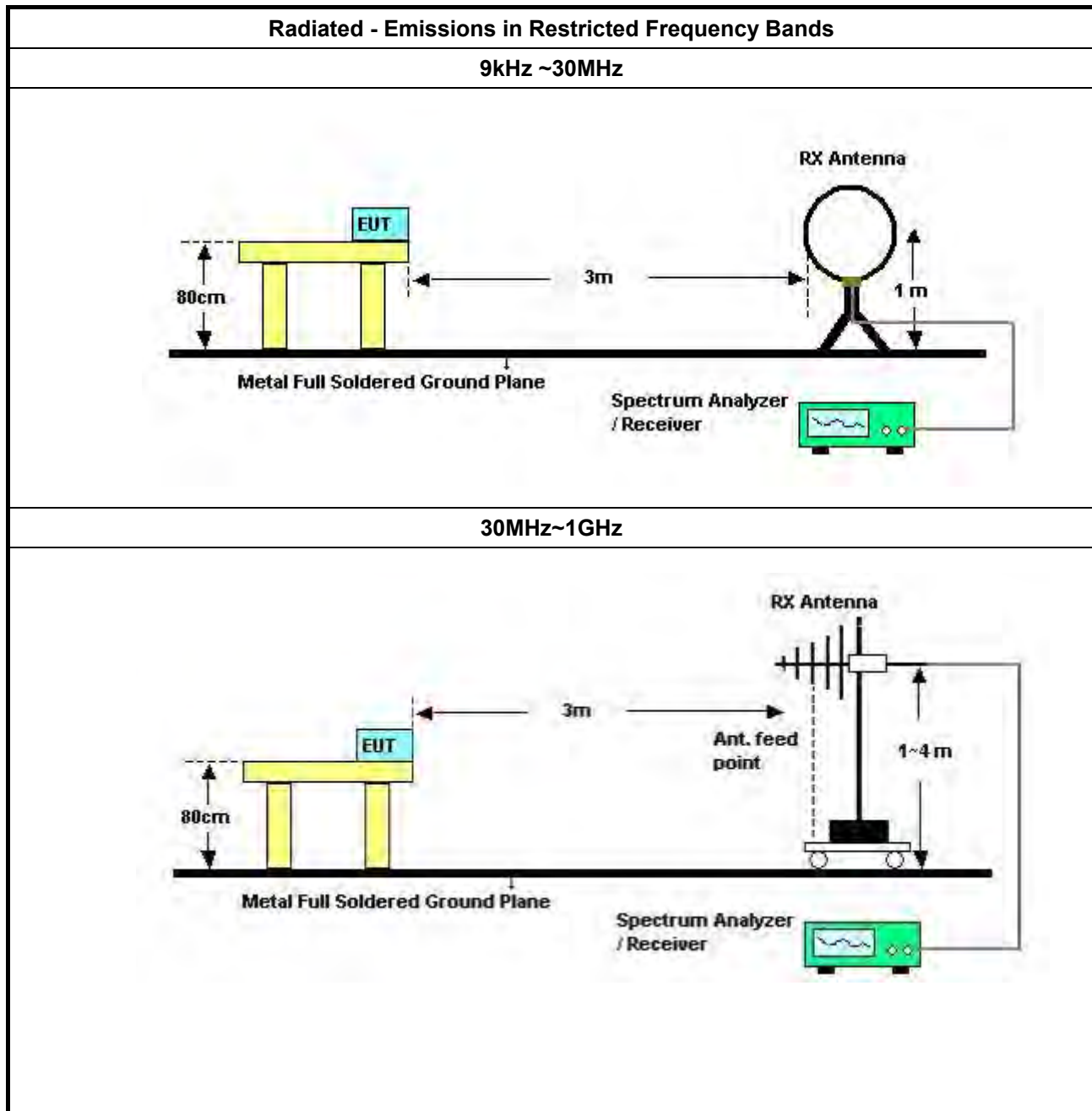
Refer a test equipment and calibration data table in this test report.

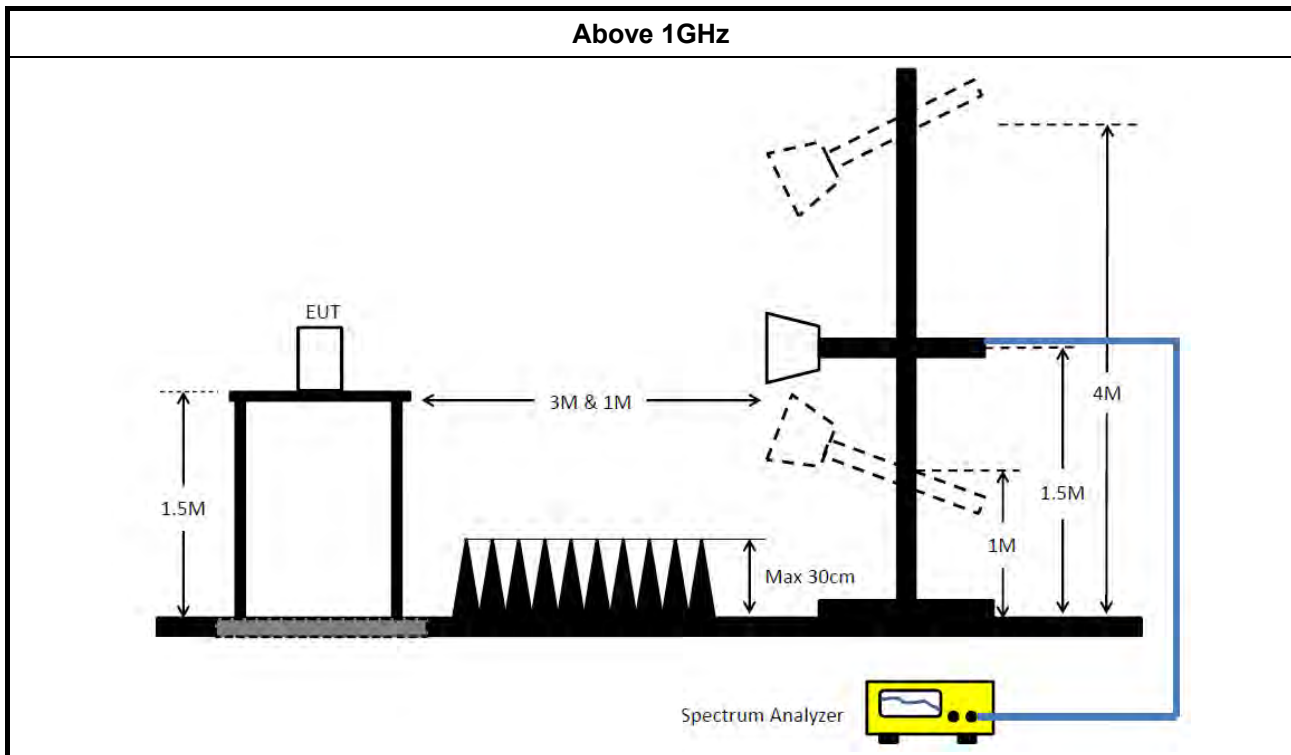


3.6.3 Test Procedures

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 $\geq 98\%$).
☐	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 $\geq 1/T$).
☐	Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW $\geq 1/T$, 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





3.6.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.

All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10th harmonic or 40 GHz, whichever is appropriate.

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Mar. 03, 2021	Mar. 02, 2022	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Jan. 06, 2021	Jan. 05, 2022	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Mar. 07, 2021	Mar. 06, 2022	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Jan. 30, 2021	Jan. 29, 2022	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 19, 2021	May 18, 2022	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 14, 2021	Apr. 13, 2022	Radiation (03CH03-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH03-CB	1GHz ~18GHz 3m	May 06, 2021	May 05, 2022	Radiation (03CH03-CB)
Horn Antenna	ETS • Lindgren	3115	6821	750MHz~18GHz	Jan. 26, 2021	Jan. 25, 2022	Radiation (03CH03-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jul. 02, 2021	Jul. 01, 2022	Radiation (03CH03-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 04, 2021	Jun. 03, 2022	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH03-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 09, 2021	Aug. 08, 2022	Radiation (03CH05-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Nov. 08, 2020	Nov. 07, 2021	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 26, 2021	Mar. 25, 2022	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1370	1GHz~18GHz	Sep. 14, 2021	Sep. 13, 2022	Radiation (03CH05-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	Apr. 27, 2021	Apr. 26, 2022	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz – 26.5GHz	Jul. 02, 2021	Jul. 01, 2022	Radiation (03CH05-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH05-CB)
Signal Analyzer	R&S	FSV40	101903	9kHz ~ 40GHz	Mar. 22, 2021	Mar. 21, 2022	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 21, 2021	Jun. 20, 2022	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 21, 2021	May 20, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 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)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Feb. 23, 2021	Feb. 22, 2022	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Feb. 23, 2021	Feb. 22, 2022	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)

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

NCR means Non-Calibration required.



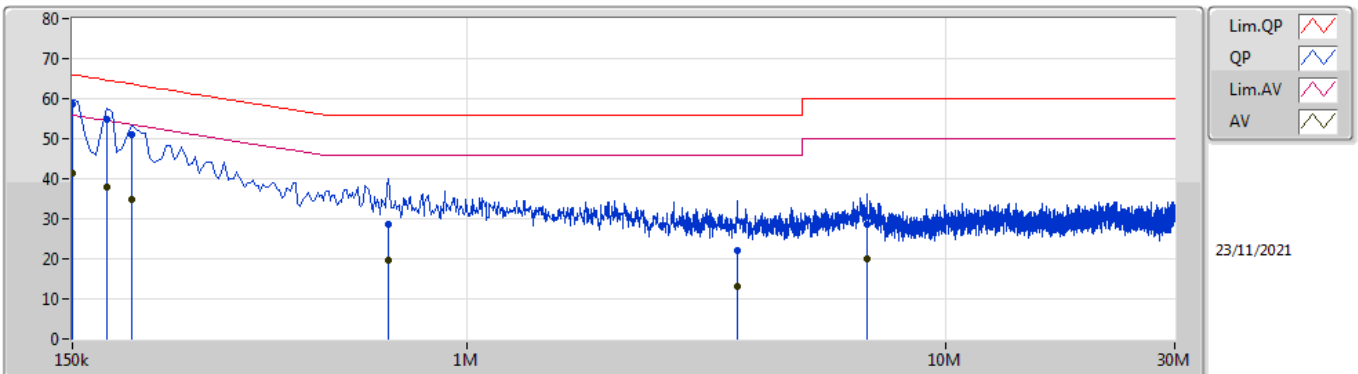
Conducted Emissions at Powerline

Appendix A

Summary

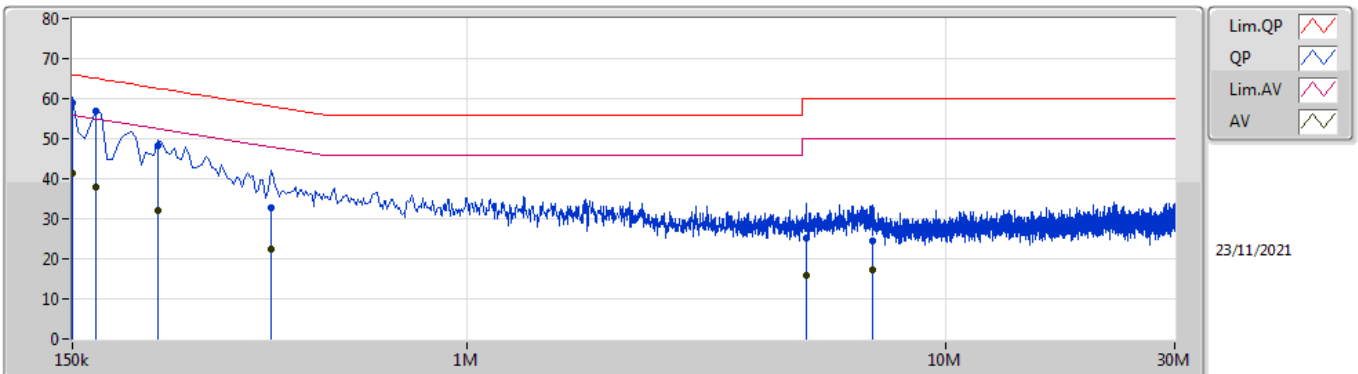
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	150k	59.04	66.00	-6.96	Neutral

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	150k	58.73	66.00	-7.27	10.24	Line	"Worst"	48.49	0.07	0.02	10.15			
AV	150k	41.36	56.00	-14.64	10.24	Line	-	31.12	0.07	0.02	10.15			
QP	177k	54.93	64.62	-9.69	10.25	Line	-	44.68	0.07	0.02	10.16			
AV	177k	37.83	54.62	-16.79	10.25	Line	-	27.58	0.07	0.02	10.16			
QP	199.5k	50.98	63.63	-12.65	10.25	Line	-	40.73	0.07	0.02	10.16			
AV	199.5k	34.98	53.63	-18.65	10.25	Line	-	24.73	0.07	0.02	10.16			
QP	685.5k	28.49	56.00	-27.51	10.21	Line	-	18.28	0.09	0.02	10.10			
AV	685.5k	19.53	46.00	-26.47	10.21	Line	-	9.32	0.09	0.02	10.10			
QP	3.674M	22.14	56.00	-33.86	10.31	Line	-	11.83	0.14	0.07	10.10			
AV	3.674M	13.04	46.00	-32.96	10.31	Line	-	2.73	0.14	0.07	10.10			
QP	6.824M	28.46	60.00	-31.54	10.40	Line	-	18.06	0.22	0.07	10.11			
AV	6.824M	19.96	50.00	-30.04	10.40	Line	-	9.56	0.22	0.07	10.11			

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	150k	59.04	66.00	-6.96	10.23	Neutral	"Worst"	48.81	0.06	0.02	10.15			
AV	150k	41.40	56.00	-14.60	10.23	Neutral	-	31.17	0.06	0.02	10.15			
QP	168k	56.96	65.06	-8.10	10.23	Neutral	-	46.73	0.06	0.02	10.15			
AV	168k	38.09	55.06	-16.97	10.23	Neutral	-	27.86	0.06	0.02	10.15			
QP	226.5k	48.31	62.58	-14.27	10.23	Neutral	-	38.08	0.06	0.02	10.15			
AV	226.5k	31.93	52.58	-20.65	10.23	Neutral	-	21.70	0.06	0.02	10.15			
QP	388.5k	32.62	58.10	-25.48	10.19	Neutral	-	22.43	0.06	0.02	10.11			
AV	388.5k	22.42	48.10	-25.68	10.19	Neutral	-	12.23	0.06	0.02	10.11			
QP	5.1M	25.31	60.00	-34.69	10.33	Neutral	-	14.98	0.15	0.07	10.11			
AV	5.1M	15.83	50.00	-34.17	10.33	Neutral	-	5.50	0.15	0.07	10.11			
QP	7.035M	24.42	60.00	-35.58	10.36	Neutral	-	14.06	0.18	0.07	10.11			
AV	7.035M	17.18	50.00	-32.82	10.36	Neutral	-	6.82	0.18	0.07	10.11			

**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_4TX	8.05M	12.994M	13M0G1D	7.025M	12.894M
802.11g_Nss1,(6Mbps)_4TX	16.325M	16.492M	16M5D1D	15.9M	16.392M
802.11ax HEW20_Nss1,(MCS0)_4TX	18.925M	18.991M	19M0D1D	18.6M	18.941M
802.11ax HEW40_Nss1,(MCS0)_4TX	37.9M	38.031M	38M0D1D	35.2M	37.731M

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

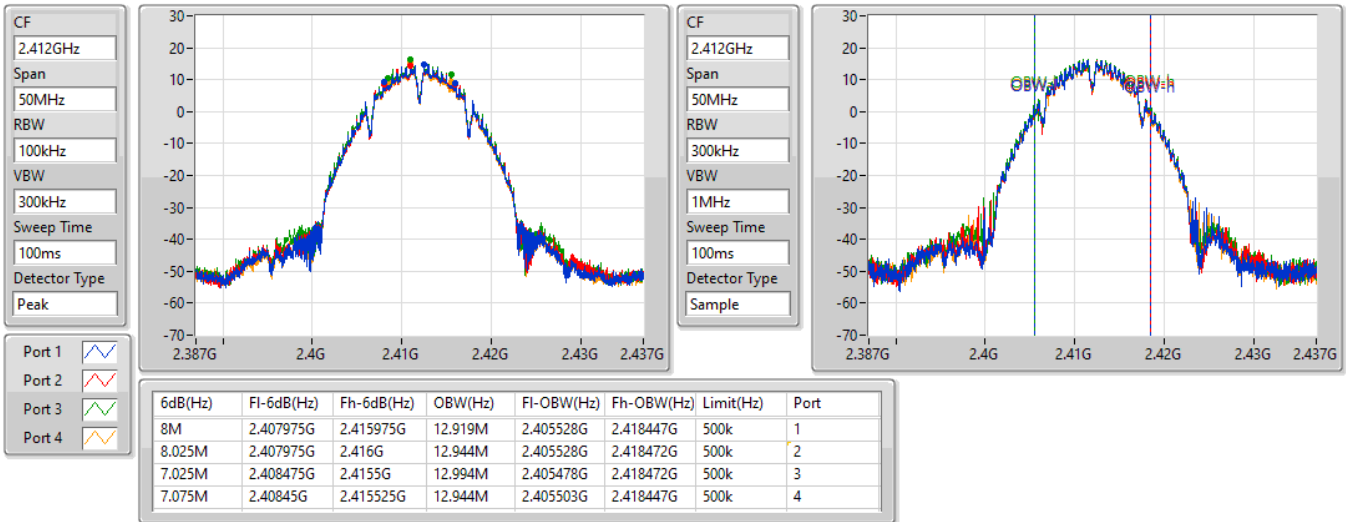
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	8M	12.919M	8.025M	12.944M	7.025M	12.994M	7.075M	12.944M
2437MHz	Pass	500k	7.525M	12.969M	8M	12.894M	8.025M	12.994M	7.025M	12.944M
2462MHz	Pass	500k	7.1M	12.894M	8.05M	12.894M	7.05M	12.919M	7.55M	12.919M
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.442M	16.325M	16.492M	15.9M	16.392M	16.3M	16.442M
2437MHz	Pass	500k	16.025M	16.467M	16.325M	16.492M	16M	16.467M	16.3M	16.442M
2462MHz	Pass	500k	16.3M	16.417M	16.325M	16.492M	16M	16.417M	16.3M	16.442M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	18.85M	18.941M	18.85M	18.941M	18.875M	18.991M	18.65M	18.966M
2437MHz	Pass	500k	18.725M	18.966M	18.925M	18.966M	18.6M	18.966M	18.85M	18.991M
2462MHz	Pass	500k	18.825M	18.941M	18.875M	18.991M	18.7M	18.941M	18.9M	18.966M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	37.75M	37.831M	35.2M	37.731M	37.85M	37.831M	37.4M	38.031M
2437MHz	Pass	500k	37.4M	37.831M	36.35M	37.881M	37.5M	37.881M	37.4M	37.931M
2452MHz	Pass	500k	37.7M	37.931M	37.35M	37.881M	37.5M	37.881M	37.9M	37.881M

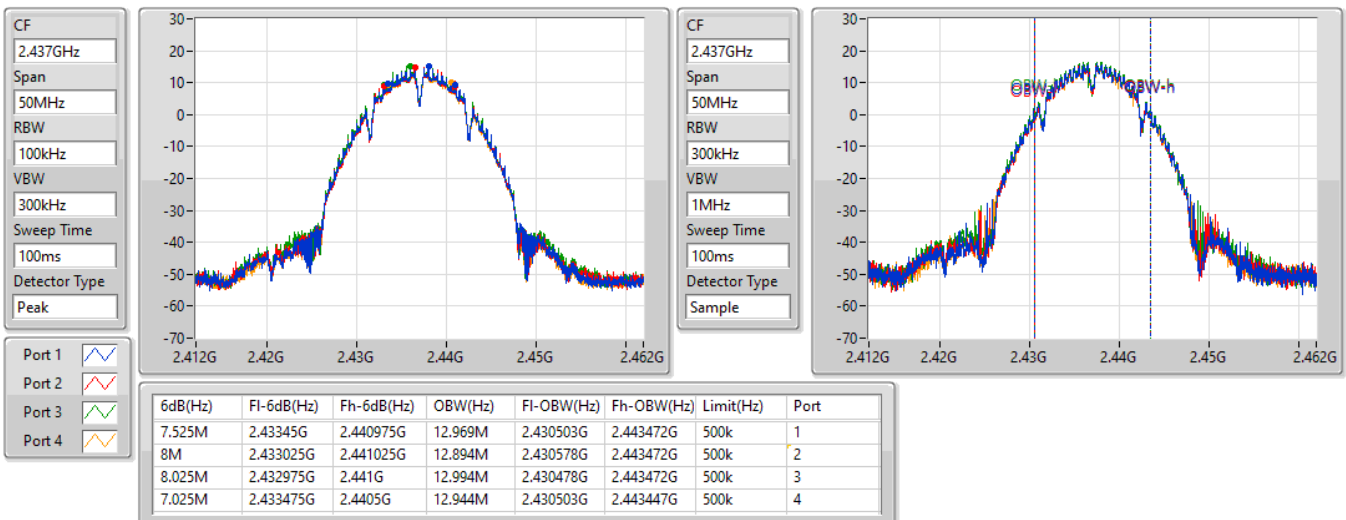
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

802.11b_Nss1,(1Mbps)_4TX
EBW
2412MHz

04/10/2021


802.11b_Nss1,(1Mbps)_4TX
EBW
2437MHz

04/10/2021

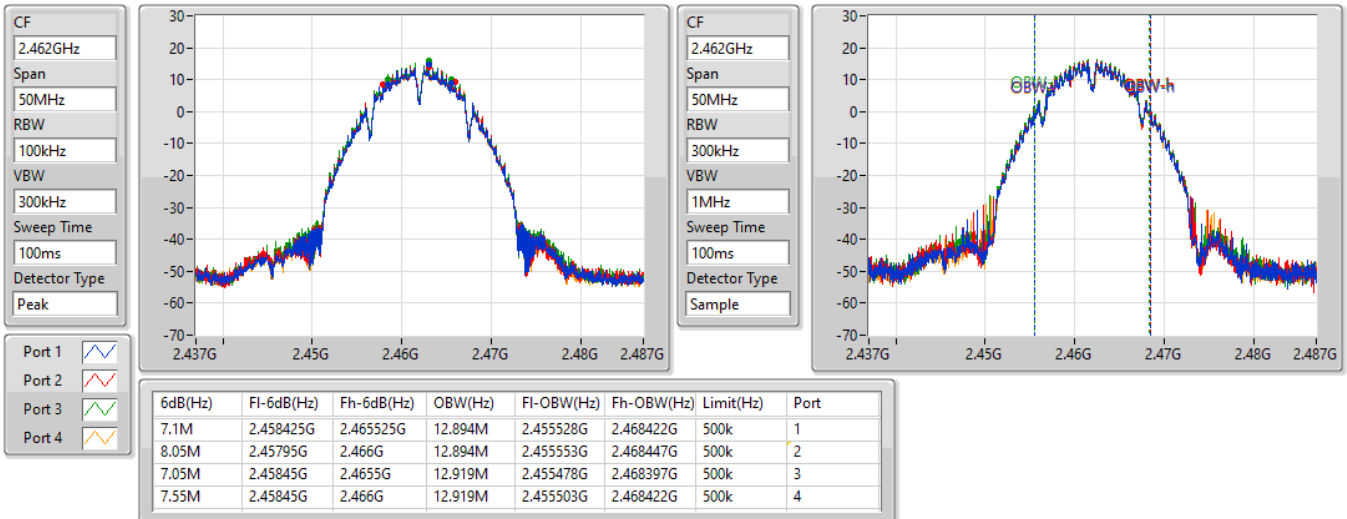


802.11b_Nss1,(1Mbps)_4TX

EBW

2462MHz

04/10/2021

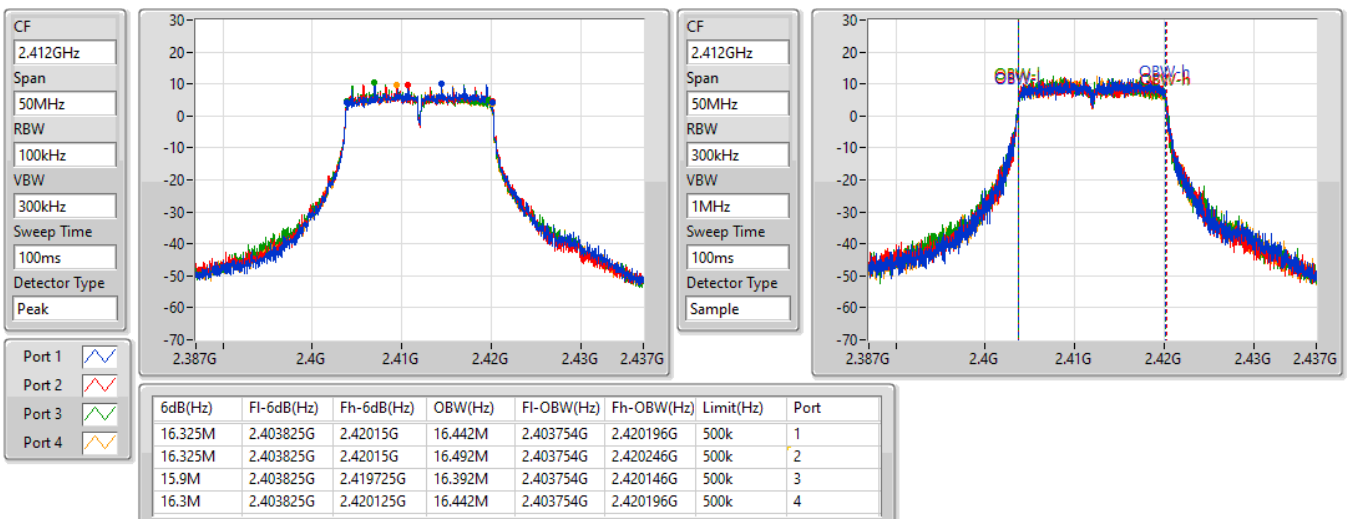


802.11g_Nss1,(6Mbps)_4TX

EBW

2412MHz

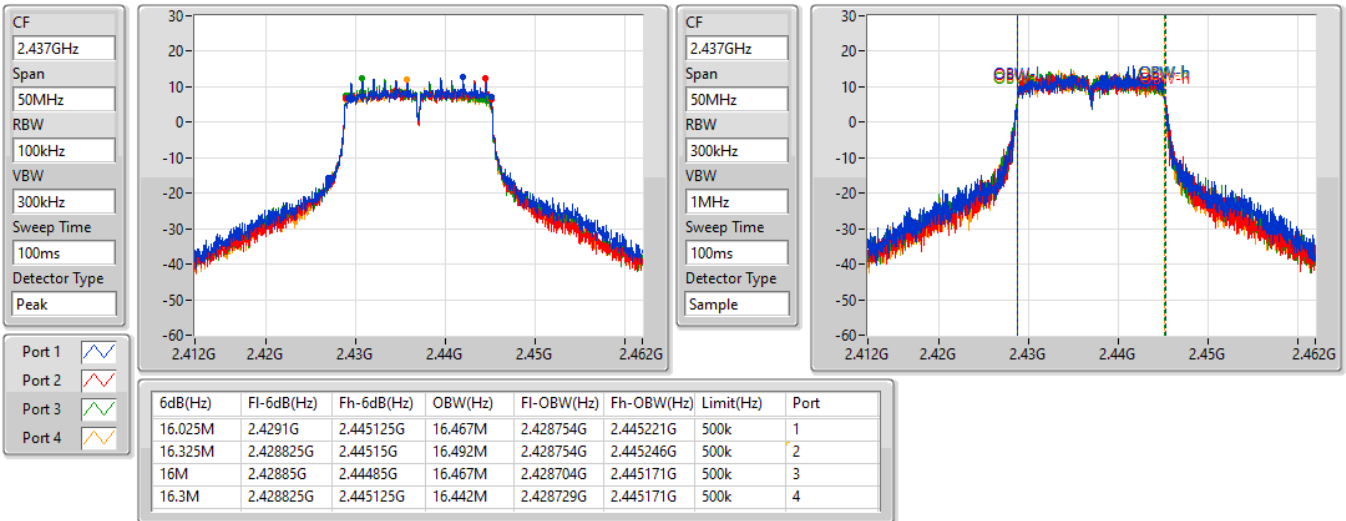
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802.11g_Nss1,(6Mbps)_4TX

2437MHz

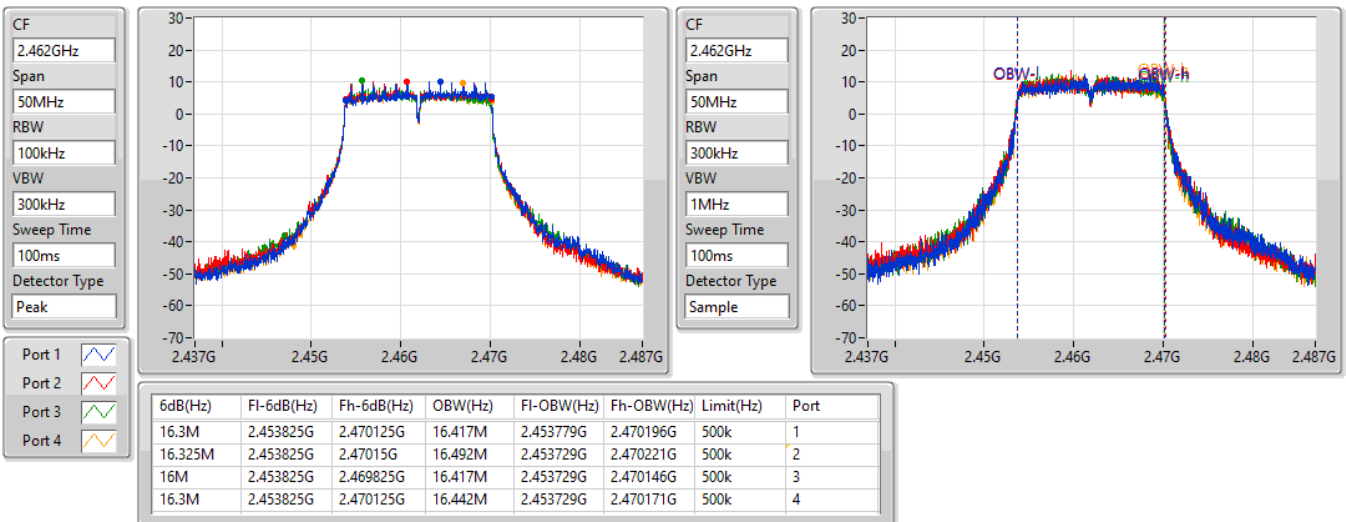
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802.11g_Nss1,(6Mbps)_4TX

2462MHz

04/10/2021

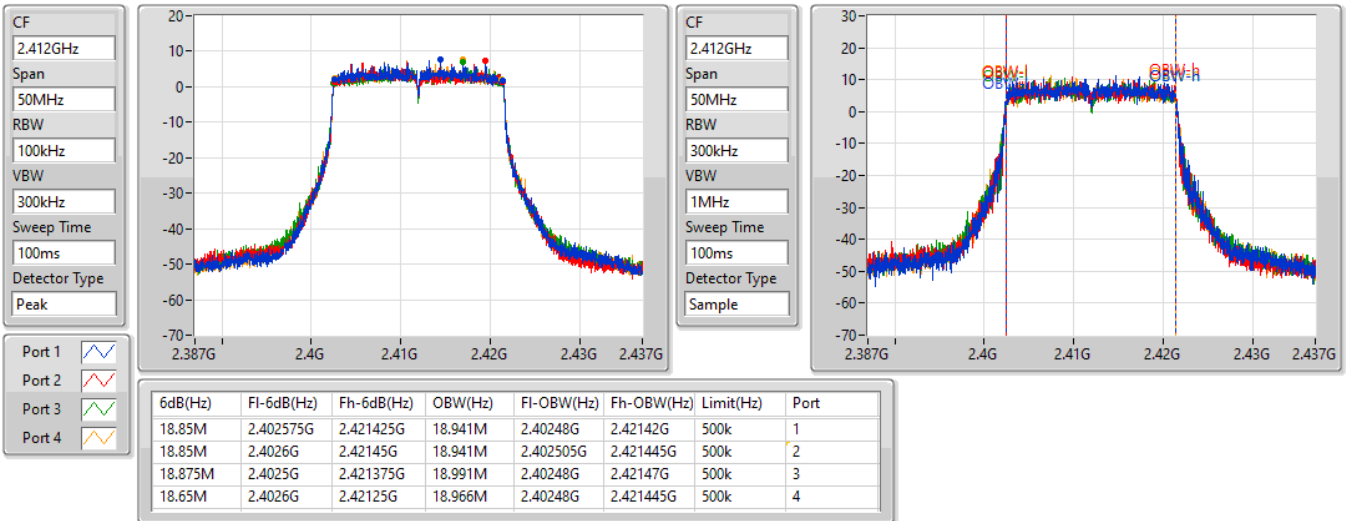


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

2412MHz

04/10/2021

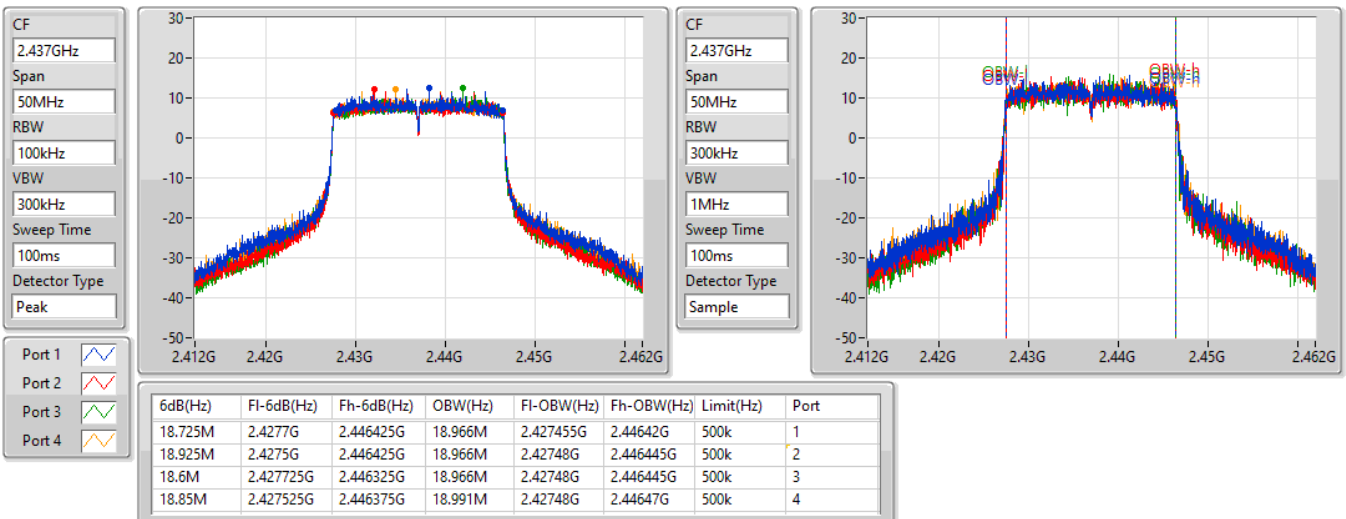


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

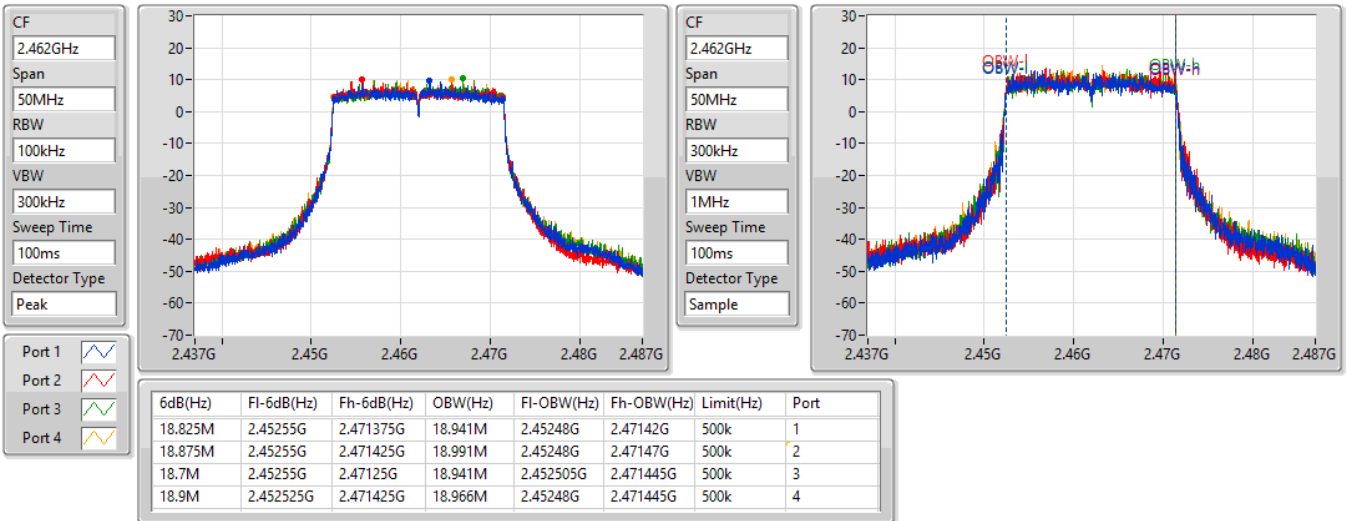
2437MHz

04/10/2021

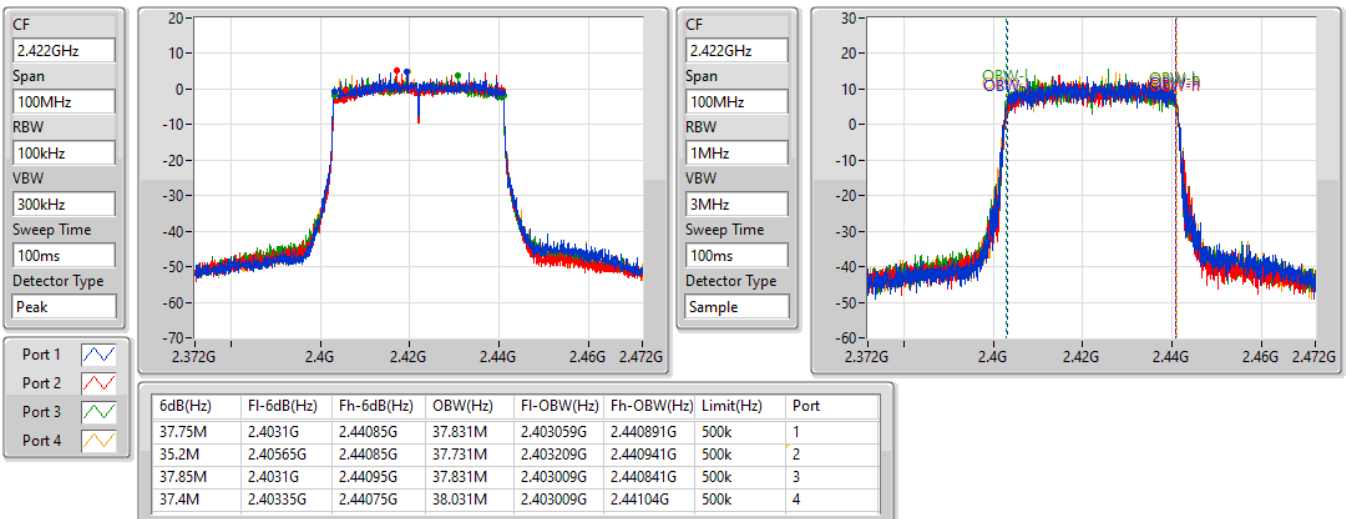


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
2462MHz

22/10/2021

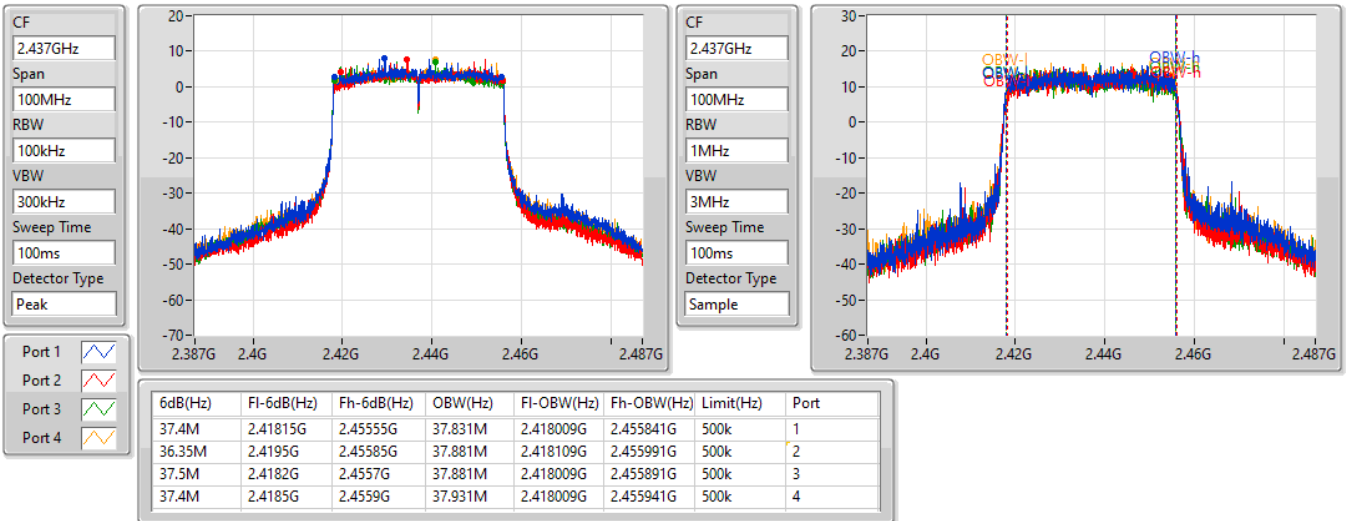

802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
2422MHz

04/10/2021

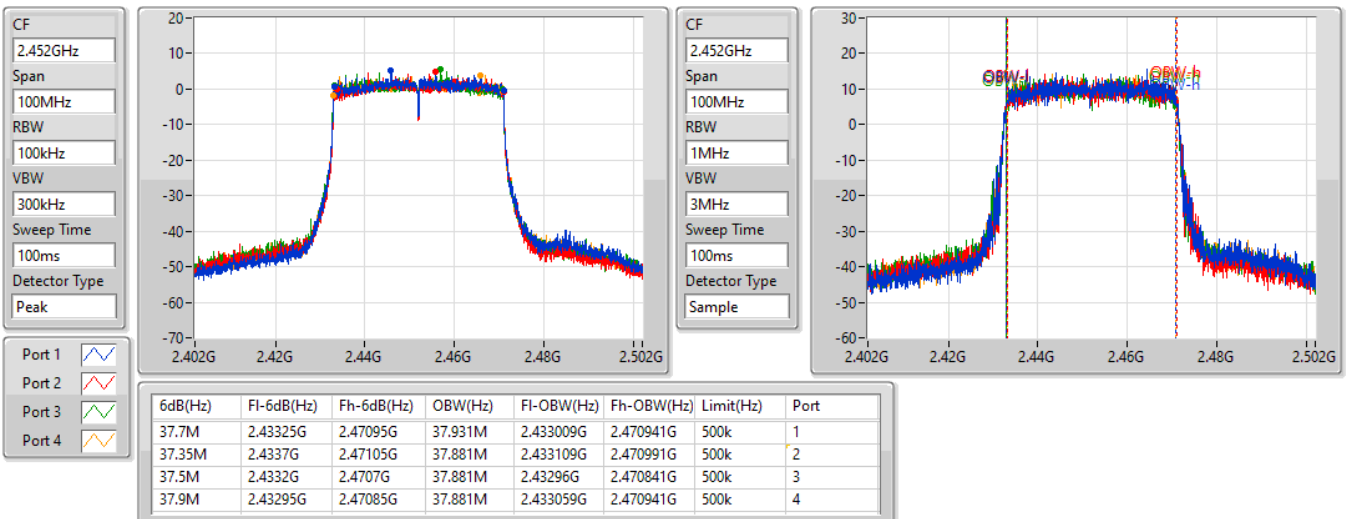


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
2437MHz

04/10/2021


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
2452MHz

04/10/2021





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)_4TX	19.125M	19.09M	19M1D1D	18.075M	18.925M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	37.95M	38.731M	38M7D1D	36.05M	37.9M

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

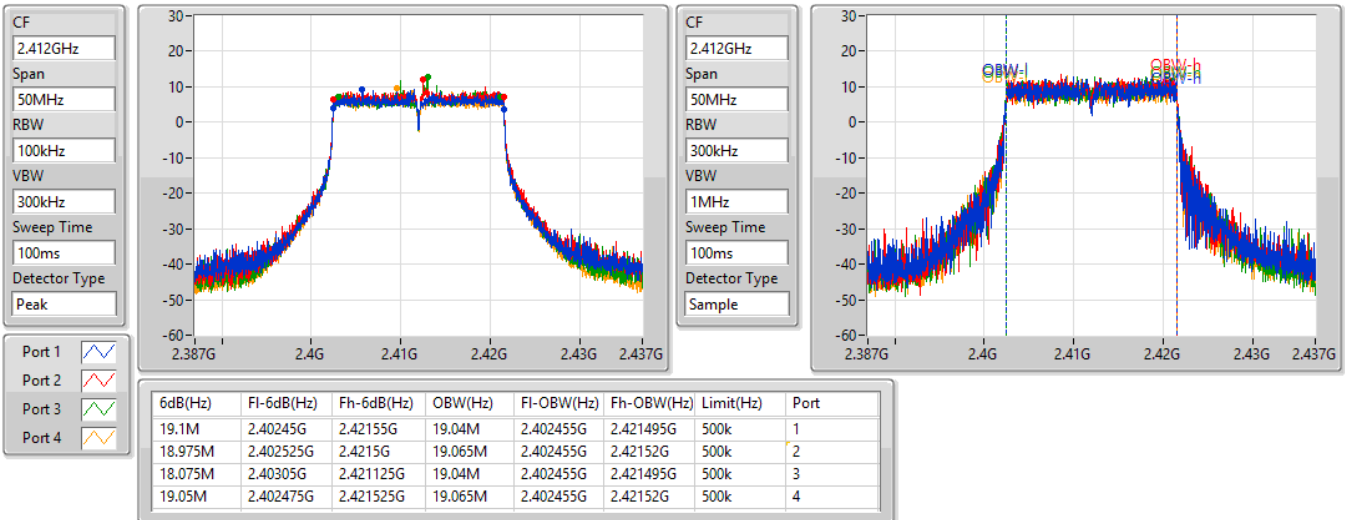
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	19.1M	19.04M	18.975M	19.065M	18.075M	19.04M	19.05M	19.065M
2437MHz	Pass	500k	18.85M	18.975M	18.825M	19M	18.925M	19.05M	18.475M	18.925M
2462MHz	Pass	500k	19.025M	19.065M	19.05M	19.09M	18.925M	19.065M	19.125M	19.04M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	37M	38.431M	36.95M	38.281M	37M	38.731M	37.15M	38.181M
2437MHz	Pass	500k	37.65M	37.95M	37.2M	38.05M	36.05M	37.9M	37.45M	38M
2452MHz	Pass	500k	37.8M	37.95M	37.95M	38.05M	37.7M	38M	37.65M	38.05M

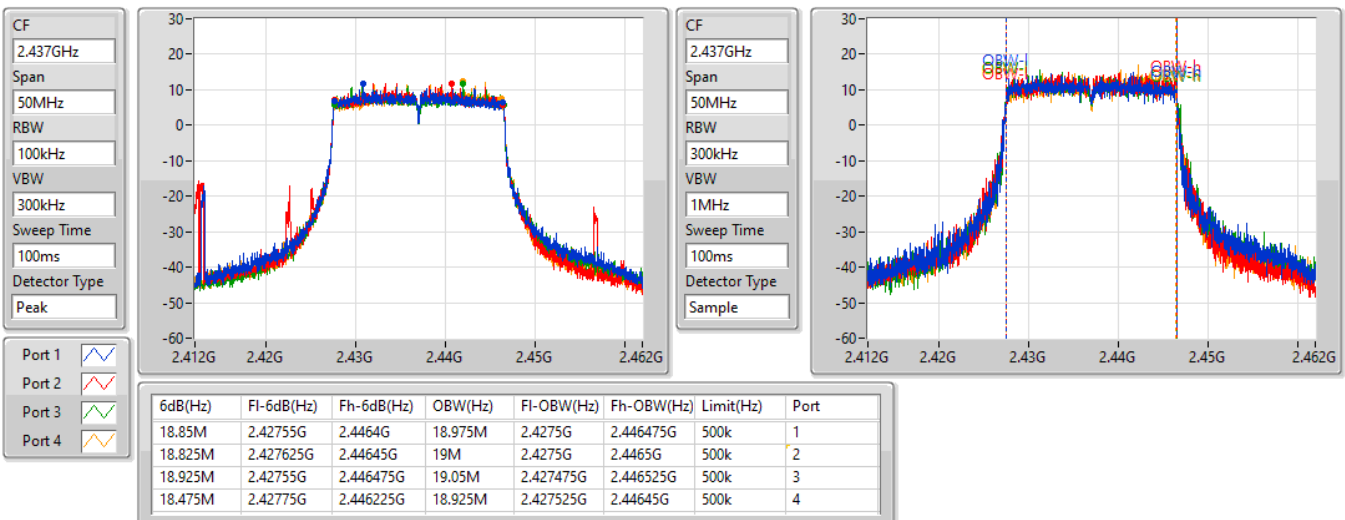
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
2412MHz

14/10/2021

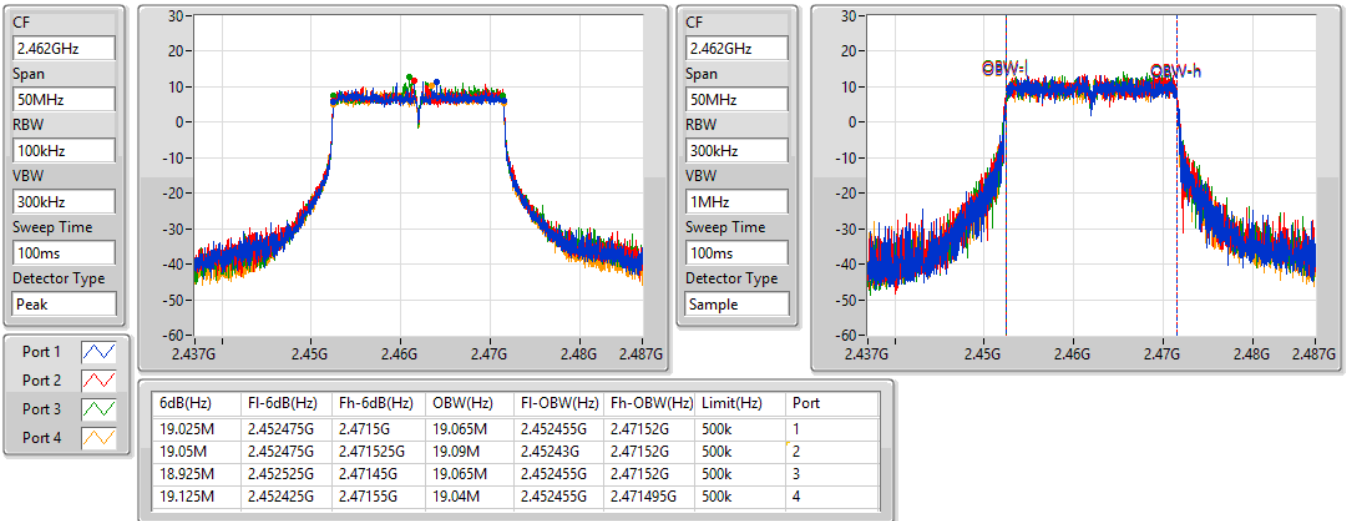

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
2437MHz

04/11/2021

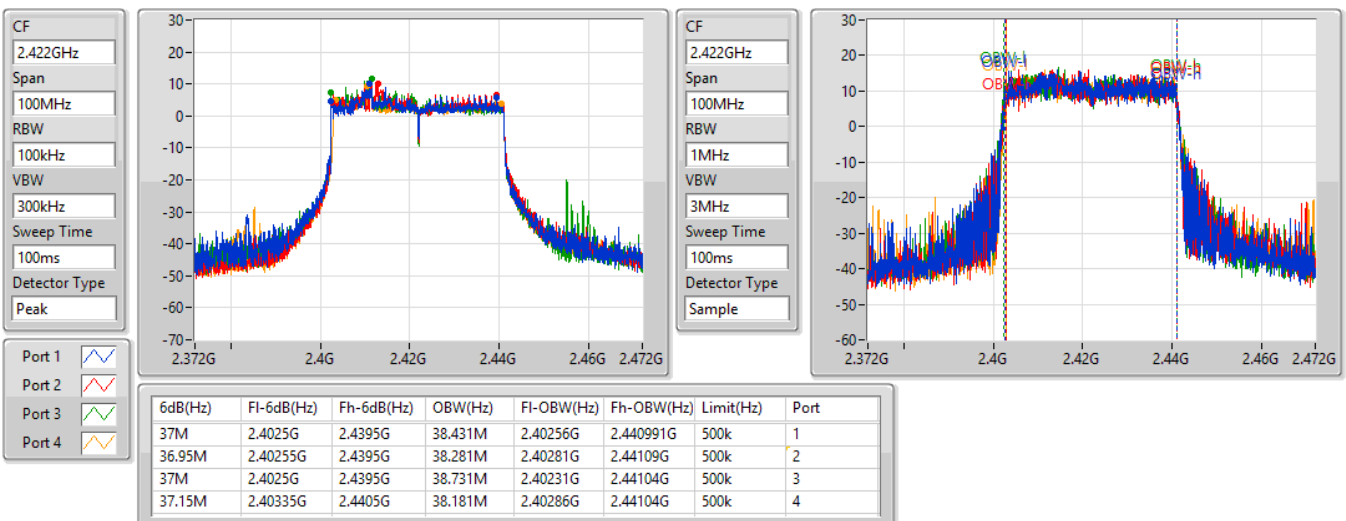


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
2462MHz

14/10/2021

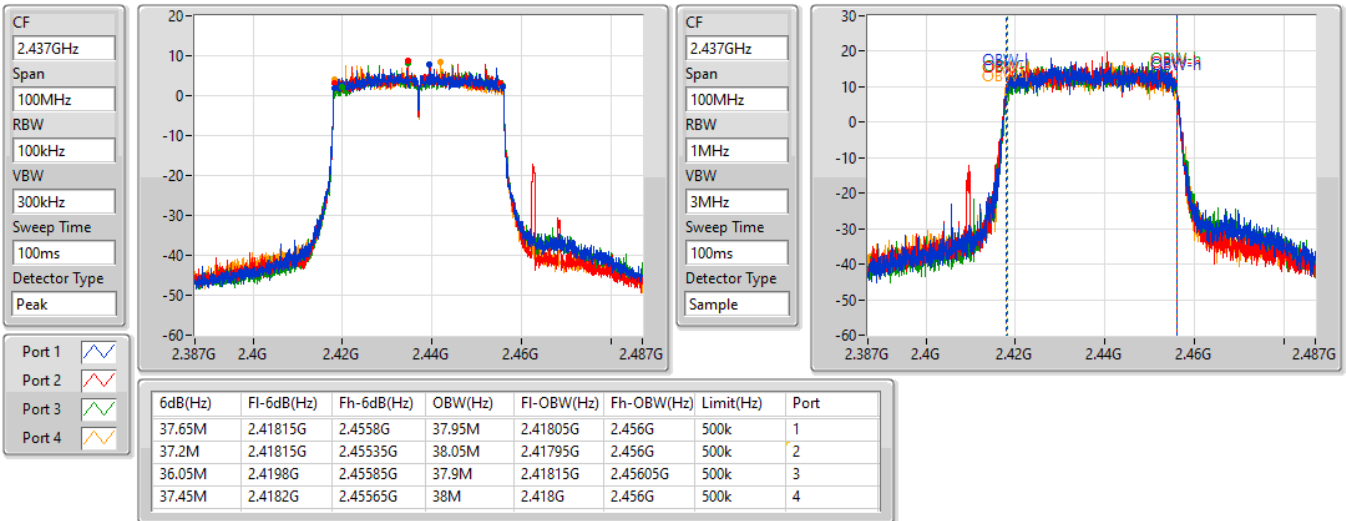

802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
2422MHz

14/10/2021

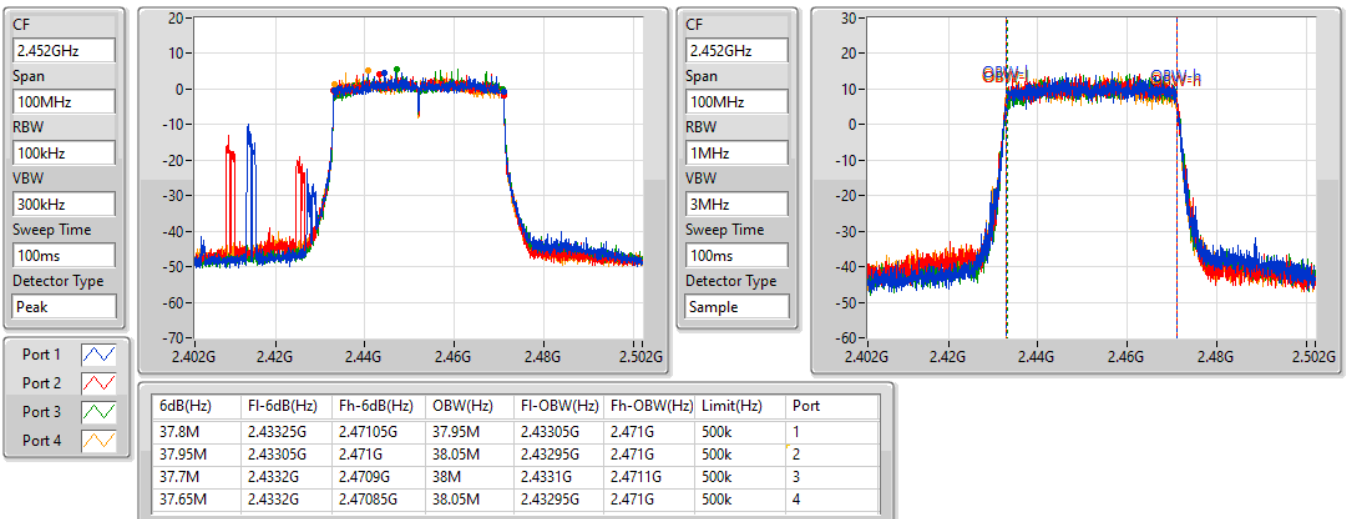


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
2437MHz

04/11/2021


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
2452MHz

04/11/2021





Average Power_Non beamforming mode

Appendix C.1

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_4TX	29.89	0.97499
802.11g_Nss1,(6Mbps)_4TX	29.93	0.98401
802.11ax HEW20_Nss1,(MCS0)_4TX	29.96	0.99083
802.11ax HEW40_Nss1,(MCS0)_4TX	28.39	0.69024

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.33	23.93	23.62	24.45	23.39	29.89	30.00
2437MHz	Pass	3.33	23.85	23.79	24.38	23.40	29.89	30.00
2462MHz	Pass	3.33	23.31	23.58	24.20	23.35	29.65	30.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.33	21.78	21.60	21.72	21.49	27.67	30.00
2417MHz	Pass	3.33	23.27	23.01	23.00	22.87	29.06	30.00
2437MHz	Pass	3.33	24.14	23.97	23.93	23.59	29.93	30.00
2457MHz	Pass	3.33	23.79	23.71	23.86	23.54	29.75	30.00
2462MHz	Pass	3.33	21.77	22.02	21.85	21.62	27.84	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.33	19.39	19.53	19.51	19.74	25.56	30.00
2417MHz	Pass	3.33	23.28	23.09	22.81	23.21	29.12	30.00
2437MHz	Pass	3.33	24.19	23.98	23.90	23.69	29.96	30.00
2457MHz	Pass	3.33	23.41	23.22	23.18	23.42	29.33	30.00
2462MHz	Pass	3.33	21.71	22.00	22.10	22.10	28.00	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	3.33	19.65	19.38	19.42	19.71	25.56	30.00
2427MHz	Pass	3.33	20.50	20.27	20.37	20.68	26.48	30.00
2437MHz	Pass	3.33	22.61	22.24	22.15	22.47	28.39	30.00
2452MHz	Pass	3.33	20.28	20.05	20.05	20.26	26.18	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)_4TX	29.54	0.89950
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	28.11	0.64714

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	4.23	20.57	20.82	21.14	20.64	26.82	30.00
2437MHz	Pass	4.23	23.04	23.39	23.96	23.65	29.54	30.00
2462MHz	Pass	4.23	21.66	21.82	22.06	21.56	27.80	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	4.23	19.86	20.92	20.81	20.51	26.56	30.00
2437MHz	Pass	4.23	22.08	21.76	22.44	22.07	28.11	30.00
2452MHz	Pass	4.23	19.59	18.93	19.24	18.50	25.10	30.00

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



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_4TX	5.29
802.11g_Nss1,(6Mbps)_4TX	0.84
802.11ax HEW20_Nss1,(MCS0)_4TX	0.92
802.11ax HEW40_Nss1,(MCS0)_4TX	-3.29

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	4.23	0.05	-1.23	1.18	-0.06	5.29	8.00
2437MHz	Pass	4.23	-0.26	-1.67	0.36	-0.09	4.38	8.00
2462MHz	Pass	4.23	-0.57	-1.08	-0.04	-0.94	4.31	8.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	4.23	-6.60	-4.50	-6.20	-5.78	-0.81	8.00
2437MHz	Pass	4.23	-4.30	-3.98	-3.35	-3.32	0.84	8.00
2462MHz	Pass	4.23	-6.16	-6.20	-5.96	-4.96	-1.51	8.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	4.23	-7.51	-7.30	-7.89	-7.35	-4.13	8.00
2437MHz	Pass	4.23	-2.62	-3.35	-2.77	-2.55	0.92	8.00
2462MHz	Pass	4.23	-5.31	-4.84	-5.49	-5.62	-1.63	8.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	4.23	-9.29	-10.34	-9.27	-10.13	-5.70	8.00
2437MHz	Pass	4.23	-7.05	-6.91	-7.36	-7.80	-3.29	8.00
2452MHz	Pass	4.23	-10.04	-9.32	-10.04	-9.04	-6.30	8.00

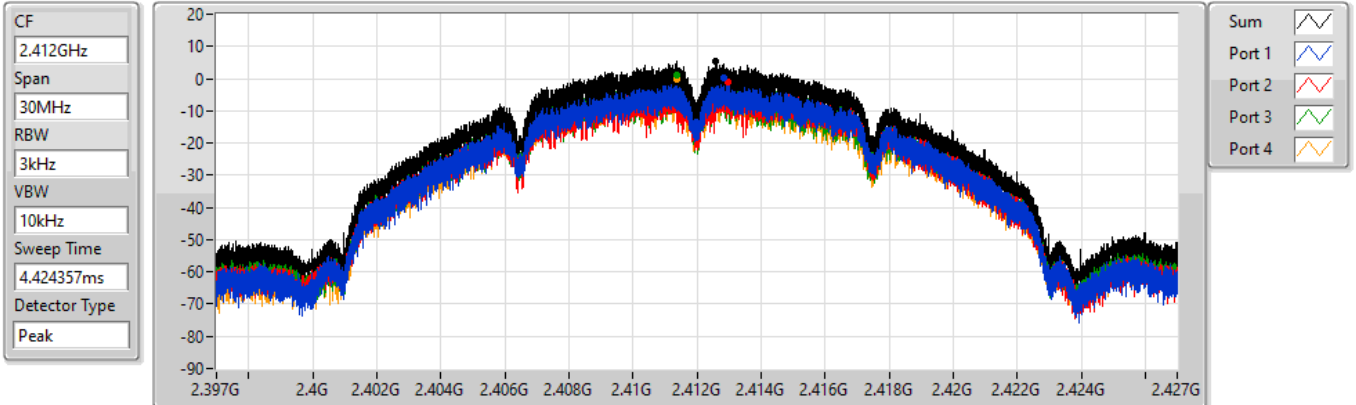
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11b_Nss1,(1Mbps)_4TX

PSD

2412MHz

04/10/2021



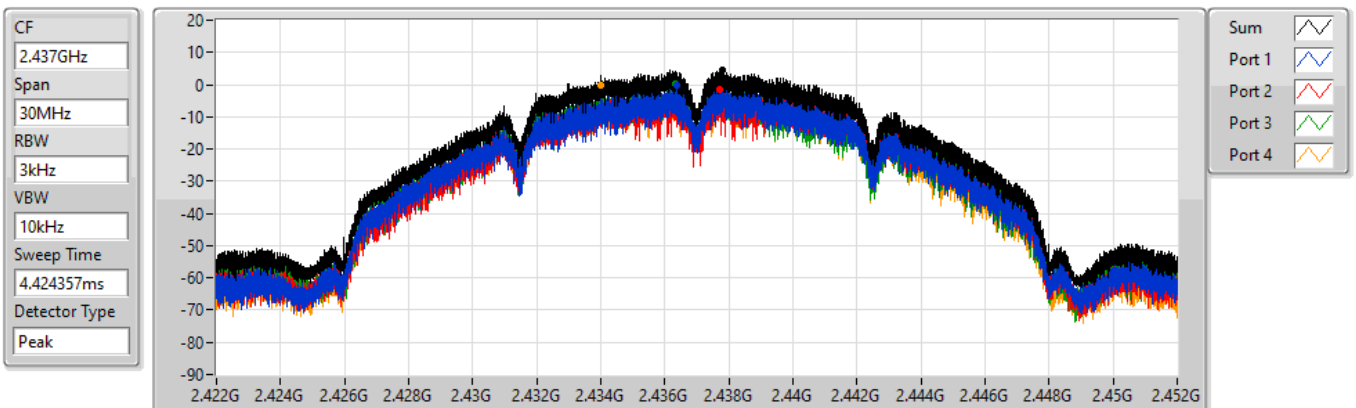
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.29	5.29	0.05	-1.23	1.18	-0.06

802.11b_Nss1,(1Mbps)_4TX

PSD

2437MHz

04/10/2021



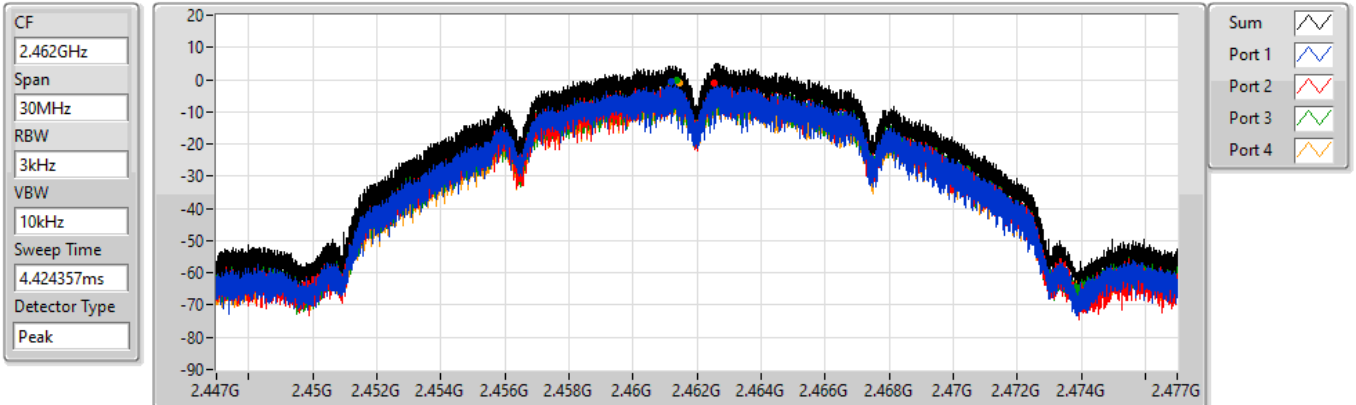
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.38	4.38	-0.26	-1.67	0.36	-0.09

802.11b_Nss1,(1Mbps)_4TX

2462MHz

PSD

04/10/2021



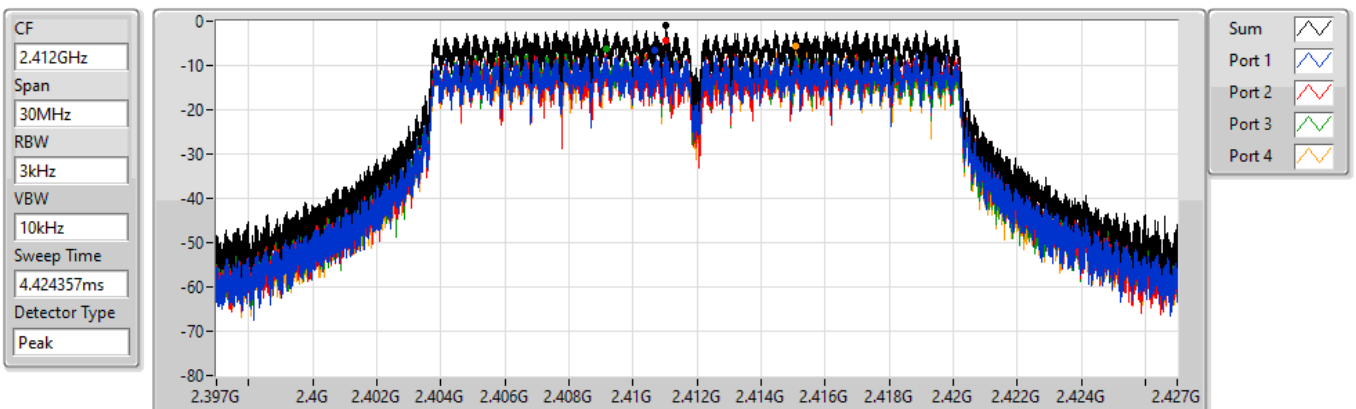
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.31	4.31	-0.57	-1.08	-0.04	-0.94

802.11g_Nss1,(6Mbps)_4TX

2412MHz

PSD

04/10/2021



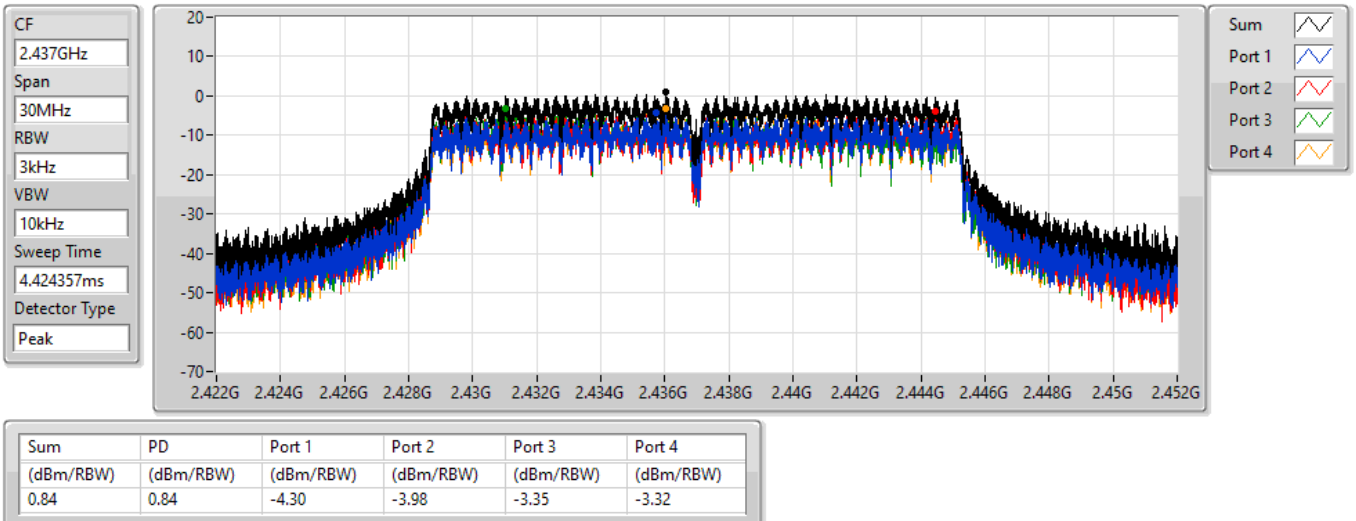
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.81	-0.81	-6.60	-4.50	-6.20	-5.78

802.11g_Nss1,(6Mbps)_4TX

2437MHz

PSD

04/10/2021

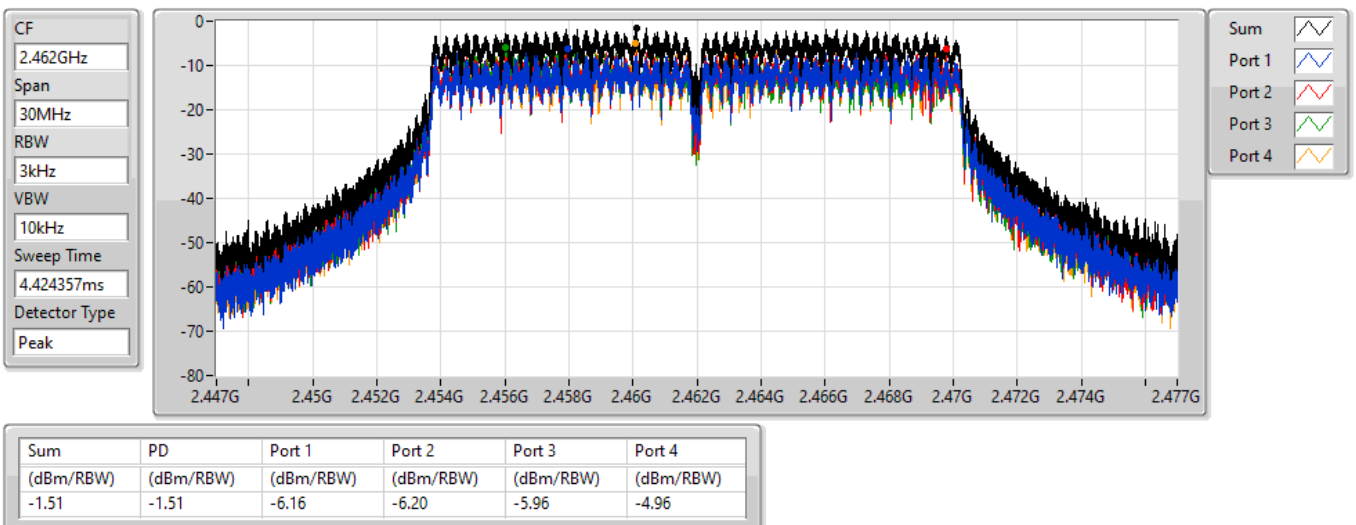


802.11g_Nss1,(6Mbps)_4TX

2462MHz

PSD

04/10/2021

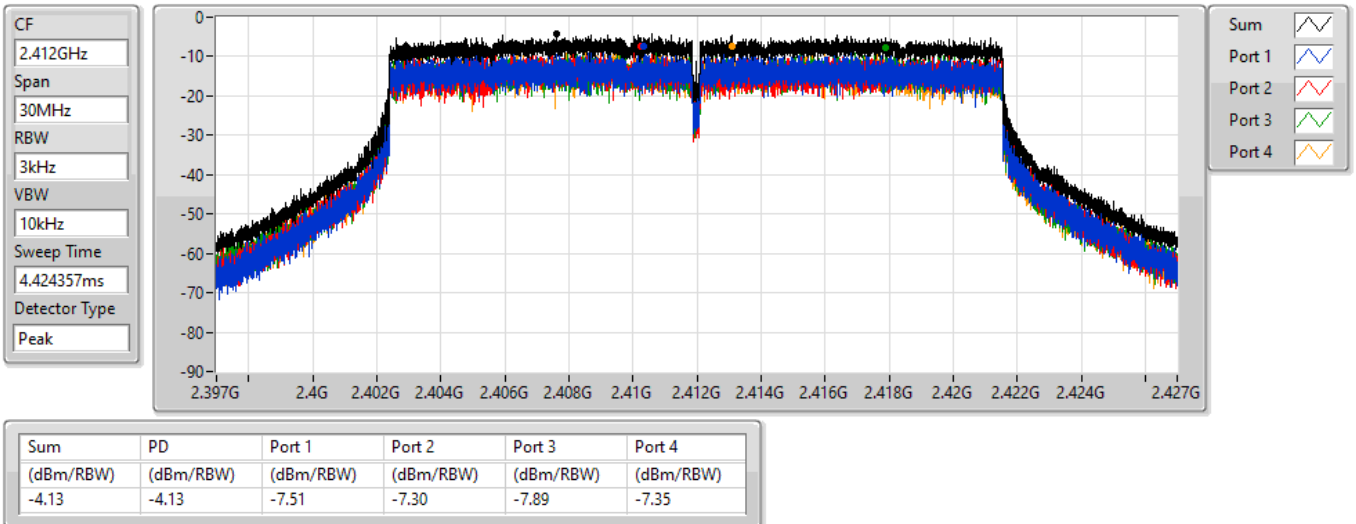


802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz

PSD

04/10/2021

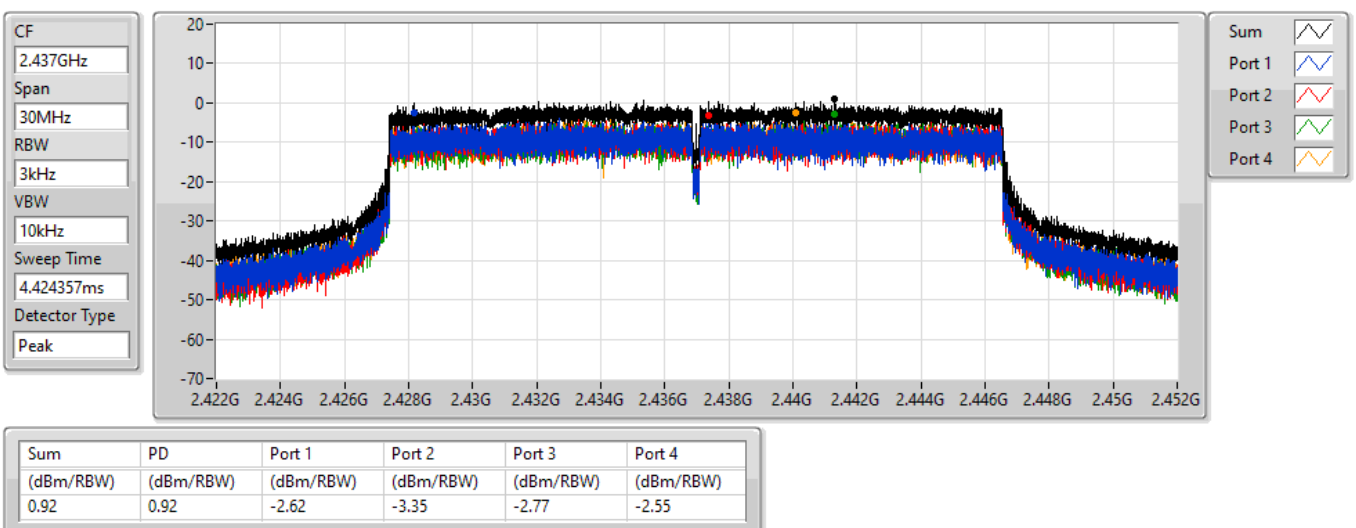


802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz

PSD

04/10/2021

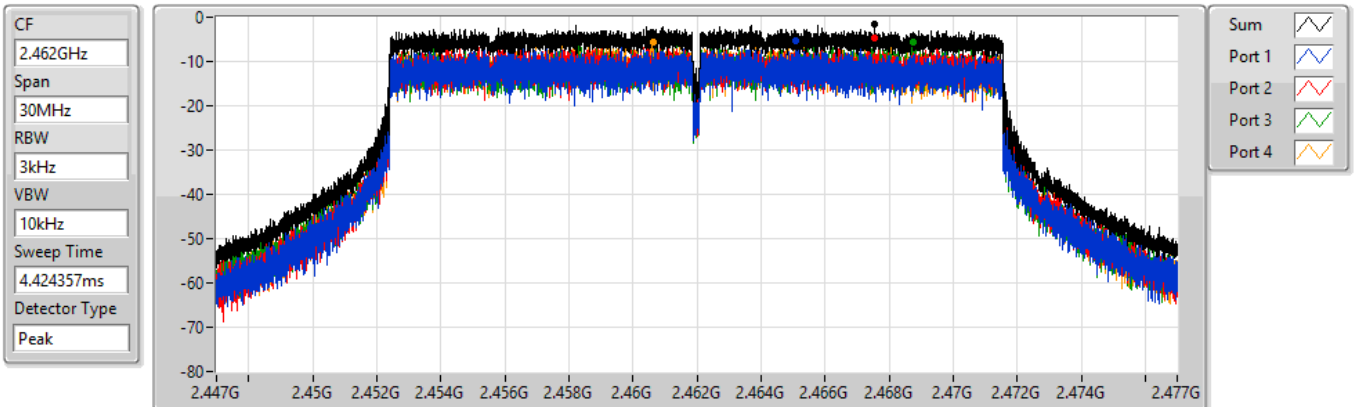


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

2462MHz

22/10/2021



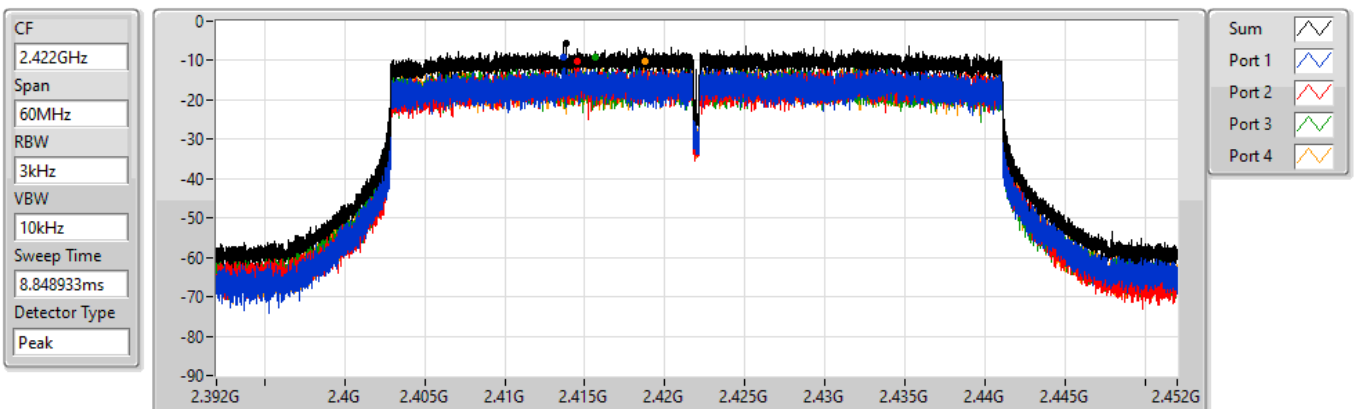
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.63	-1.63	-5.31	-4.84	-5.49	-5.62

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

2422MHz

04/10/2021



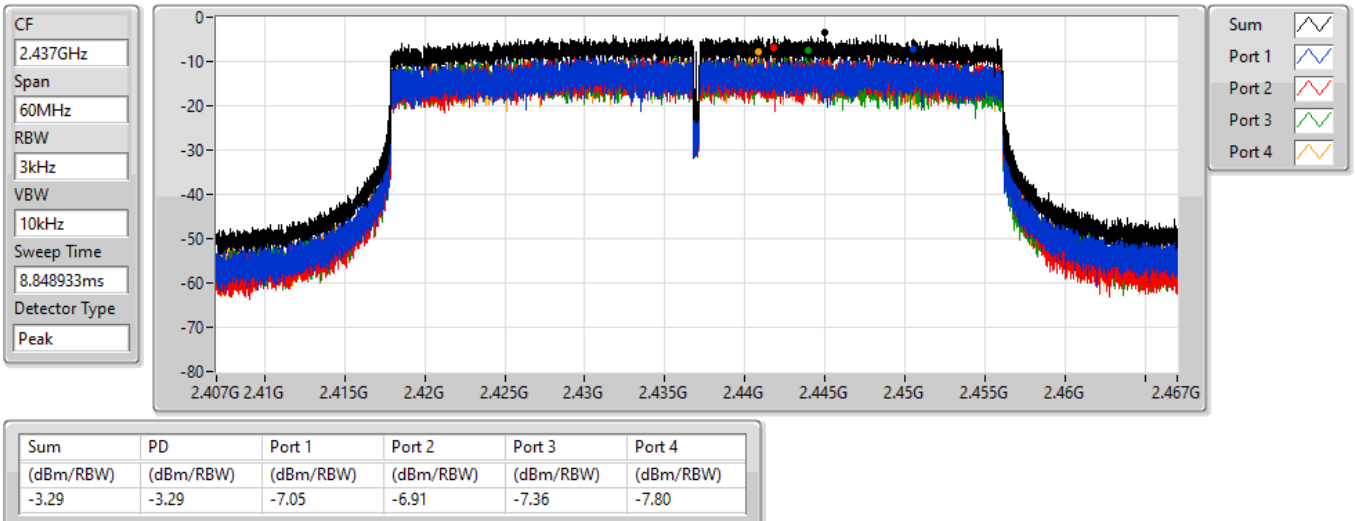
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.70	-5.70	-9.29	-10.34	-9.27	-10.13

802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz

PSD

04/10/2021

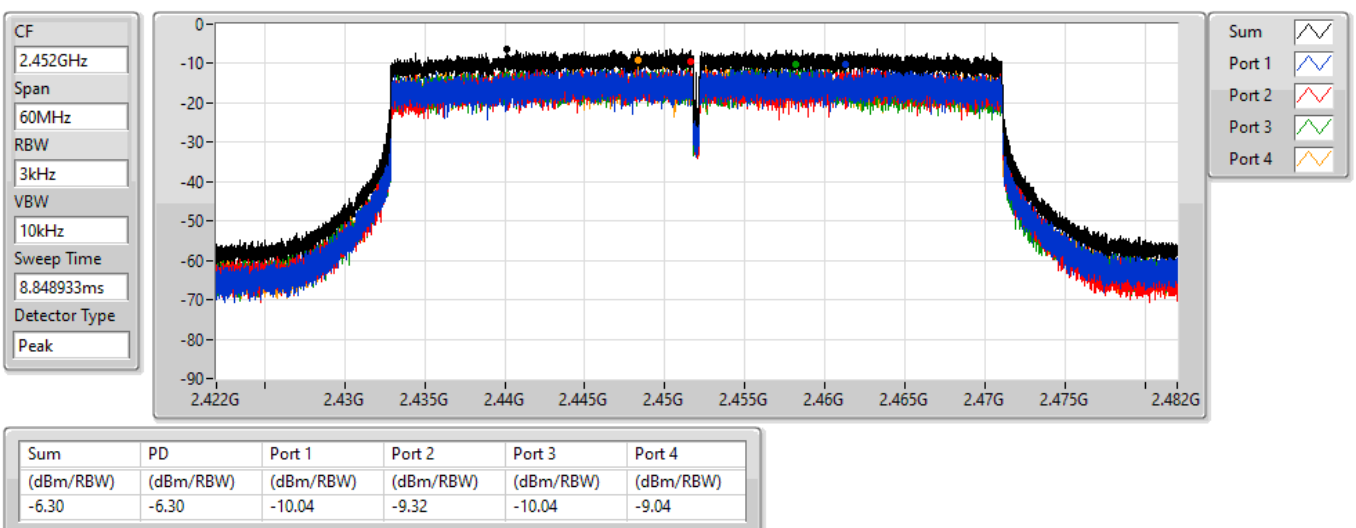


802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz

PSD

04/10/2021





Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	0.89
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-1.58

RBW = 3kHz;



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	4.23	-6.20	-3.14	-1.79	-6.70	0.47	8.00
2437MHz	Pass	4.23	-3.48	-3.11	-4.01	-3.34	0.89	8.00
2462MHz	Pass	4.23	-4.94	-5.04	-3.58	-5.17	-1.19	8.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	4.23	-8.94	-4.08	-2.47	-8.83	-1.58	8.00
2437MHz	Pass	4.23	-6.87	-7.29	-7.09	-5.57	-2.95	8.00
2452MHz	Pass	4.23	-9.85	-8.93	-9.49	-9.37	-5.16	8.00

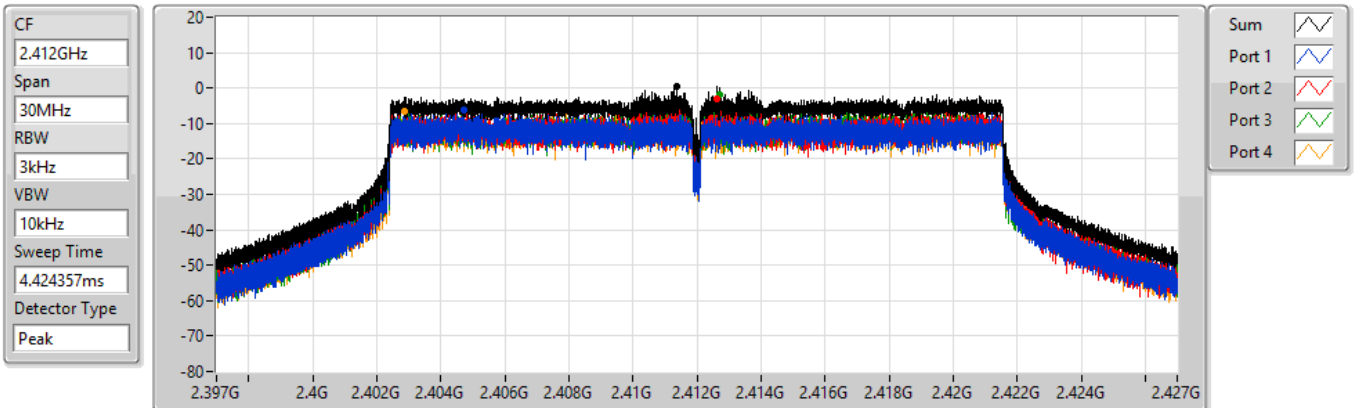
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

2412MHz

14/10/2021



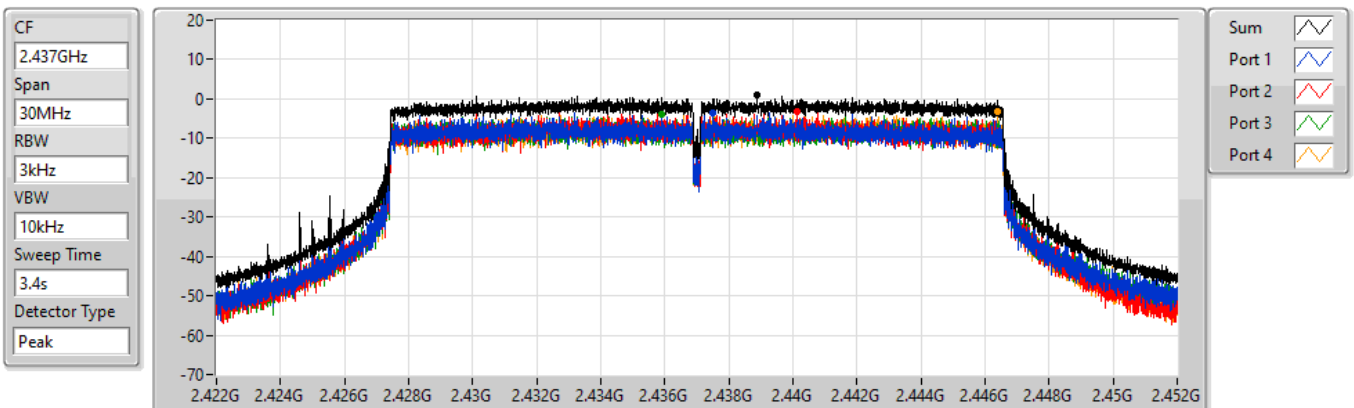
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.47	0.47	-6.20	-3.14	-1.79	-6.70

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

2437MHz

04/11/2021



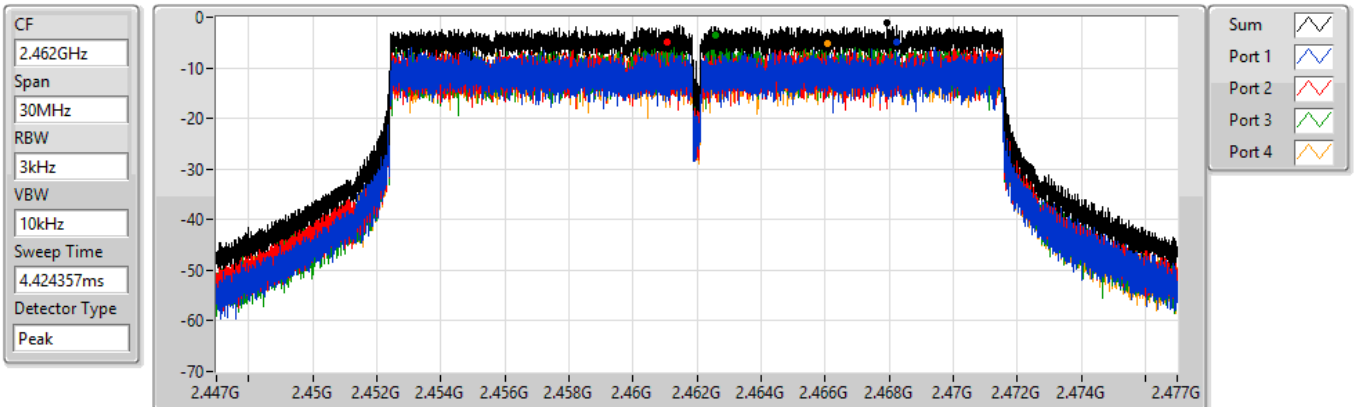
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.89	0.89	-3.48	-3.11	-4.01	-3.34

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

2462MHz

14/10/2021



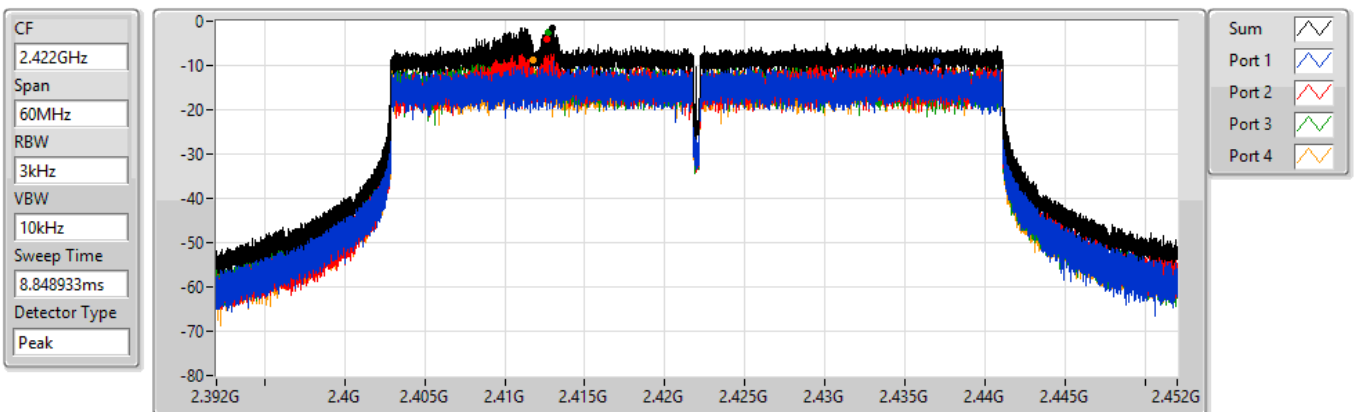
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.19	-1.19	-4.94	-5.04	-3.58	-5.17

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

2422MHz

14/10/2021



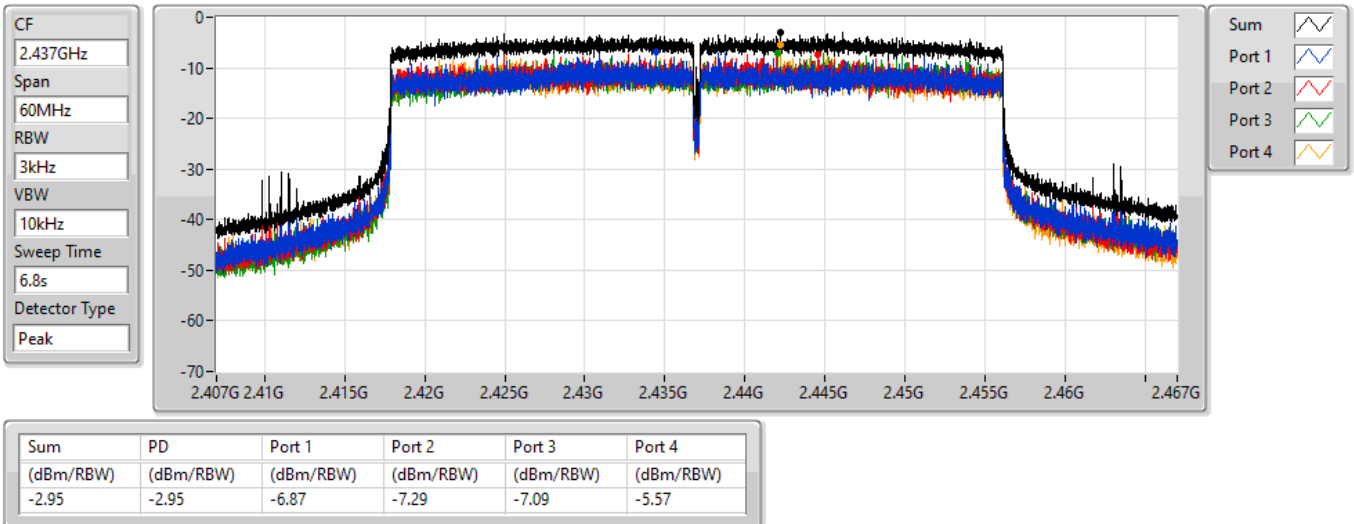
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.58	-1.58	-8.94	-4.08	-2.47	-8.83

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2437MHz

PSD

04/11/2021

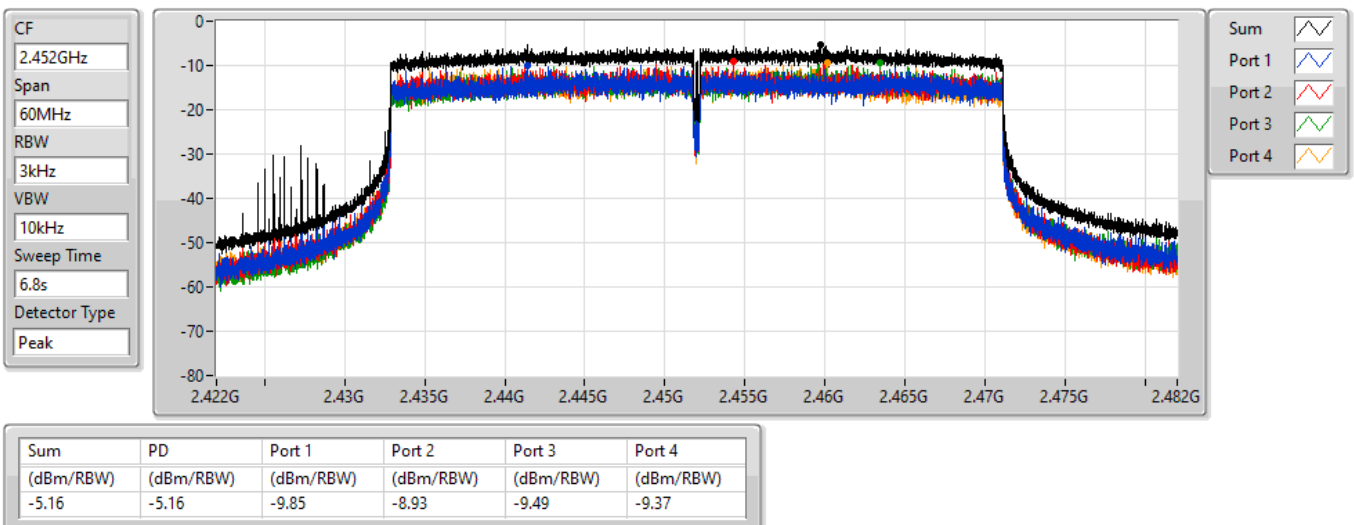


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2452MHz

PSD

04/11/2021



Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1(1Mbps)_4TX	Pass	2.43799G	15.33	-14.67	2.30408G	-51.00	2.39962G	-36.35	2.4G	-44.90	2.49596G	-50.20	15.04853G	-44.44	3
802.11g_Nss1(6Mbps)_4TX	Pass	2.442G	13.00	-17.00	2.10574G	-52.38	2.39982G	-27.66	2.4G	-30.66	2.48866G	-49.46	24.83985G	-44.49	2
802.11ax HEW20_Nss1(MCS0)_4TX	Pass	2.43069G	12.89	-17.11	159.9M	-41.21	2.3999G	-28.40	2.4G	-32.14	2.49596G	-50.52	7.24357G	-42.79	4
802.11ax HEW40_Nss1(MCS0)_4TX	Pass	2.44822G	7.91	-22.09	2.30254G	-48.47	2.39984G	-33.76	2.4G	-35.98	2.5431G	-49.65	21.73268G	-44.03	3

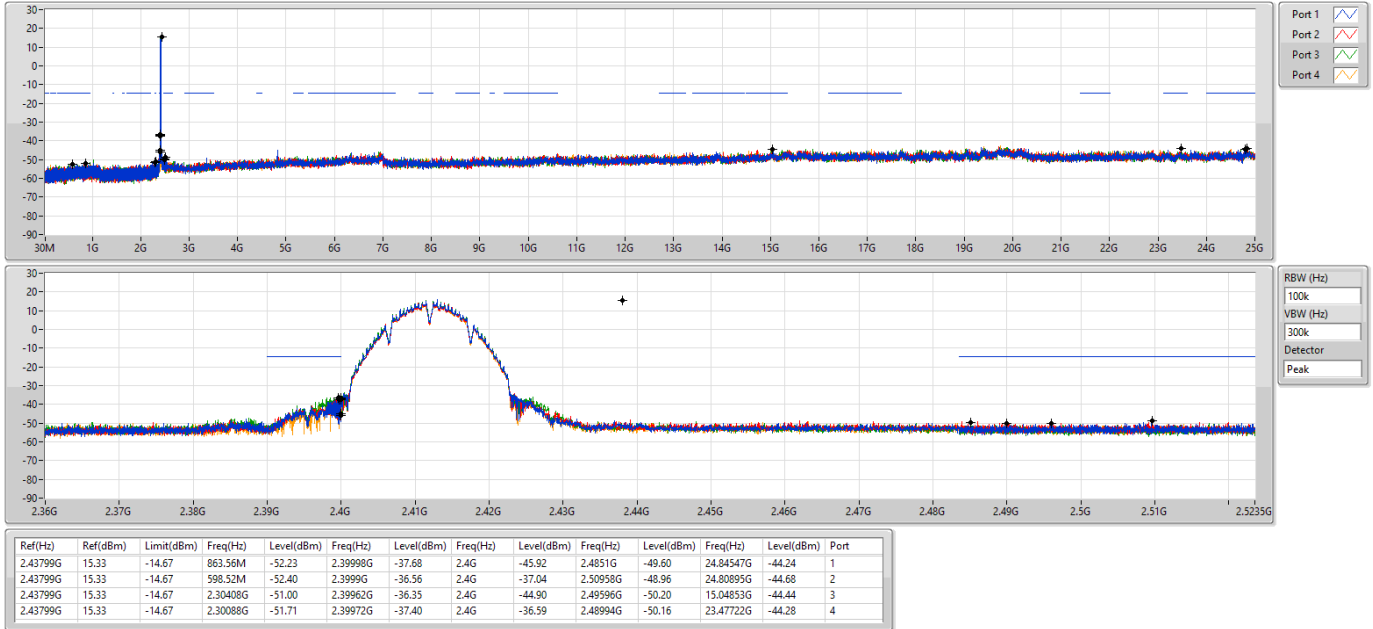
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43799G	15.33	-14.67	863.56M	-52.23	2.39998G	-37.68	2.4G	-45.92	2.4851G	-49.60	24.84547G	-44.24	1
2412MHz	Pass	2.43799G	15.33	-14.67	598.52M	-52.40	2.3999G	-36.56	2.4G	-37.04	2.50958G	-48.96	24.80895G	-44.68	2
2412MHz	Pass	2.43799G	15.33	-14.67	2.30408G	-51.00	2.39962G	-36.35	2.4G	-44.90	2.49596G	-50.20	15.04853G	-44.44	3
2412MHz	Pass	2.43799G	15.33	-14.67	2.30088G	-51.71	2.39972G	-37.40	2.4G	-36.59	2.48994G	-50.16	23.47722G	-44.28	4
2437MHz	Pass	2.43799G	15.33	-14.67	859.19M	-51.54	2.39902G	-50.67	2.4G	-52.29	2.48552G	-49.11	24.50271G	-44.11	1
2437MHz	Pass	2.43799G	15.33	-14.67	566.77M	-51.50	2.3922G	-50.84	2.4835G	-52.78	2.48654G	-48.93	16.93656G	-44.68	2
2437MHz	Pass	2.43799G	15.33	-14.67	850.74M	-52.05	2.4G	-49.83	2.4G	-50.40	2.51302G	-50.11	16.9506G	-44.62	3
2437MHz	Pass	2.43799G	15.33	-14.67	888.61M	-52.58	2.39506G	-50.21	2.4G	-52.42	2.4896G	-49.63	17.69795G	-44.89	4
2462MHz	Pass	2.43799G	15.33	-14.67	2.0105G	-52.23	2.39842G	-50.26	2.4835G	-51.02	2.49246G	-49.46	23.57836G	-44.25	1
2462MHz	Pass	2.43799G	15.33	-14.67	788.12M	-52.41	2.39474G	-51.19	2.4835G	-51.29	2.51402G	-49.23	24.85109G	-44.66	2
2462MHz	Pass	2.43799G	15.33	-14.67	2.30408G	-49.92	2.39572G	-49.92	2.4G	-51.86	2.48628G	-48.33	15.08786G	-44.83	3
2462MHz	Pass	2.43799G	15.33	-14.67	859.48M	-52.21	2.3978G	-50.76	2.4835G	-52.56	2.5083G	-49.26	24.96348G	-43.97	4
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.442G	13.00	-17.00	953.26M	-52.57	2.39968G	-29.35	2.4G	-29.79	2.50796G	-49.60	16.69493G	-45.22	1
2412MHz	Pass	2.442G	13.00	-17.00	2.10574G	-52.38	2.39982G	-27.66	2.4G	-30.66	2.48866G	-49.46	24.83985G	-44.49	2
2412MHz	Pass	2.442G	13.00	-17.00	2.3G	-51.36	2.39994G	-28.35	2.4G	-30.18	2.49596G	-49.83	21.70157G	-43.49	3
2412MHz	Pass	2.442G	13.00	-17.00	814.92M	-52.46	2.39978G	-27.91	2.4G	-29.47	2.52256G	-50.42	24.53923G	-44.25	4
2437MHz	Pass	2.442G	13.00	-17.00	2.3G	-52.37	2.39986G	-46.64	2.4G	-47.98	2.49166G	-47.08	23.49126G	-44.03	1
2437MHz	Pass	2.442G	13.00	-17.00	519.88M	-53.00	2.39754G	-48.23	2.4835G	-50.51	2.4842G	-48.28	24.84266G	-44.18	2
2437MHz	Pass	2.442G	13.00	-17.00	854.53M	-51.11	2.39948G	-47.32	2.4G	-50.74	2.4948G	-48.14	24.57576G	-44.37	3
2437MHz	Pass	2.442G	13.00	-17.00	896.18M	-52.62	2.39926G	-48.24	2.4G	-51.02	2.49162G	-48.20	24.8539G	-44.13	4
2462MHz	Pass	2.442G	13.00	-17.00	694.05M	-52.30	2.3921G	-51.13	2.4835G	-44.96	2.4836G	-45.75	15.34353G	-44.98	1
2462MHz	Pass	2.442G	13.00	-17.00	680.36M	-51.99	2.39524G	-50.94	2.4835G	-46.26	2.48388G	-46.00	24.86795G	-43.75	2
2462MHz	Pass	2.442G	13.00	-17.00	2.30408G	-52.04	2.39762G	-50.71	2.4835G	-46.75	2.48352G	-47.51	6.7547G	-44.75	3
2462MHz	Pass	2.442G	13.00	-17.00	779.68M	-51.27	2.39474G	-50.37	2.4835G	-48.14	2.48422G	-45.78	24.88481G	-45.16	4
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43069G	12.89	-17.11	159.9M	-41.46	2.4G	-30.32	2.4G	-32.45	2.50798G	-50.44	7.24076G	-42.08	1
2412MHz	Pass	2.43069G	12.89	-17.11	159.9M	-39.43	2.3999G	-29.33	2.4G	-33.07	2.48814G	-49.77	7.23233G	-43.01	2
2412MHz	Pass	2.43069G	12.89	-17.11	159.9M	-41.48	2.39984G	-29.33	2.4G	-31.56	2.51324G	-50.97	7.23514G	-42.90	3
2412MHz	Pass	2.43069G	12.89	-17.11	159.9M	-41.21	2.3999G	-28.40	2.4G	-32.14	2.49596G	-50.52	7.24357G	-42.79	4
2437MHz	Pass	2.43069G	12.89	-17.11	159.9M	-41.28	2.39974G	-44.87	2.4G	-47.74	2.4884G	-47.55	16.22574G	-42.69	1
2437MHz	Pass	2.43069G	12.89	-17.11	159.9M	-40.50	2.4G	-43.72	2.4G	-48.66	2.49652G	-48.68	23.28055G	-42.91	2
2437MHz	Pass	2.43069G	12.89	-17.11	159.9M	-40.84	2.39962G	-47.69	2.4G	-49.87	2.4845G	-48.49	16.25102G	-43.28	3
2437MHz	Pass	2.43069G	12.89	-17.11	159.9M	-41.72	2.39996G	-45.14	2.4G	-48.26	2.48432G	-48.77	16.6275G	-42.27	4
2462MHz	Pass	2.43069G	12.89	-17.11	159.9M	-41.09	2.39748G	-51.47	2.4835G	-43.36	2.4836G	-42.23	16.9197G	-43.83	1
2462MHz	Pass	2.43069G	12.89	-17.11	159.9M	-40.87	2.39612G	-49.77	2.4835G	-45.85	2.4842G	-44.07	24.0897G	-43.38	2
2462MHz	Pass	2.43069G	12.89	-17.11	159.9M	-41.82	2.39128G	-50.45	2.4835G	-43.26	2.48368G	-41.09	16.61065G	-43.35	3
2462MHz	Pass	2.43069G	12.89	-17.11	159.9M	-41.26	2.39382G	-50.85	2.4835G	-44.81	2.48374G	-41.44	16.58536G	-43.50	4
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44822G	7.91	-22.09	413.58M	-52.43	2.39972G	-35.40	2.4G	-36.15	2.54062G	-41.46	24.78405G	-44.76	1
2422MHz	Pass	2.44822G	7.91	-22.09	657.46M	-52.70	2.39976G	-36.07	2.4G	-37.98	2.51134G	-49.12	24.79246G	-44.33	2
2422MHz	Pass	2.44822G	7.91	-22.09	2.30254G	-48.47	2.39984G	-33.76	2.4G	-35.98	2.5431G	-49.65	21.73268G	-44.03	3
2422MHz	Pass	2.44822G	7.91	-22.09	792.28M	-51.84	2.4G	-34.52	2.4G	-35.58	2.51226G	-50.02	24.97476G	-44.94	4
2437MHz	Pass	2.44822G	7.91	-22.09	2.3097G	-51.02	2.39856G	-38.40	2.4835G	-39.75	2.55722G	-38.66	15.01295G	-44.46	1
2437MHz	Pass	2.44822G	7.91	-22.09	2.12506G	-52.48	2.39604G	-42.00	2.4G	-43.69	2.48922G	-42.65	21.78317G	-44.82	2
2437MHz	Pass	2.44822G	7.91	-22.09	2.30426G	-50.88	2.39996G	-40.25	2.4G	-41.45	2.48358G	-43.65	23.4659G	-44.95	3
2437MHz	Pass	2.44822G	7.91	-22.09	2.30283G	-51.56	2.3998G	-37.84	2.4G	-39.02	2.48386G	-42.38	24.43348G	-44.12	4
2452MHz	Pass	2.44822G	7.91	-22.09	916.52M	-52.33	2.39392G	-49.93	2.4835G	-44.47	2.48454G	-40.45	24.61577G	-44.15	1
2452MHz	Pass	2.44822G	7.91	-22.09	937.13M	-52.42	2.39936G	-50.32	2.4835G	-46.01	2.4845G	-41.89	16.75739G	-44.88	2
2452MHz	Pass	2.44822G	7.91	-22.09	2.30139G	-51.99	2.3908G	-49.66	2.4835G	-45.72	2.48442G	-41.77	24.8177G	-43.76	3
2452MHz	Pass	2.44822G	7.91	-22.09	2.30139G	-52.11	2.39536G	-49.83	2.4835G	-44.82	2.4865G	-42.06	15.07185G	-44.27	4

802.11b_Nss1,(1Mbps)_4TX

CSENdB

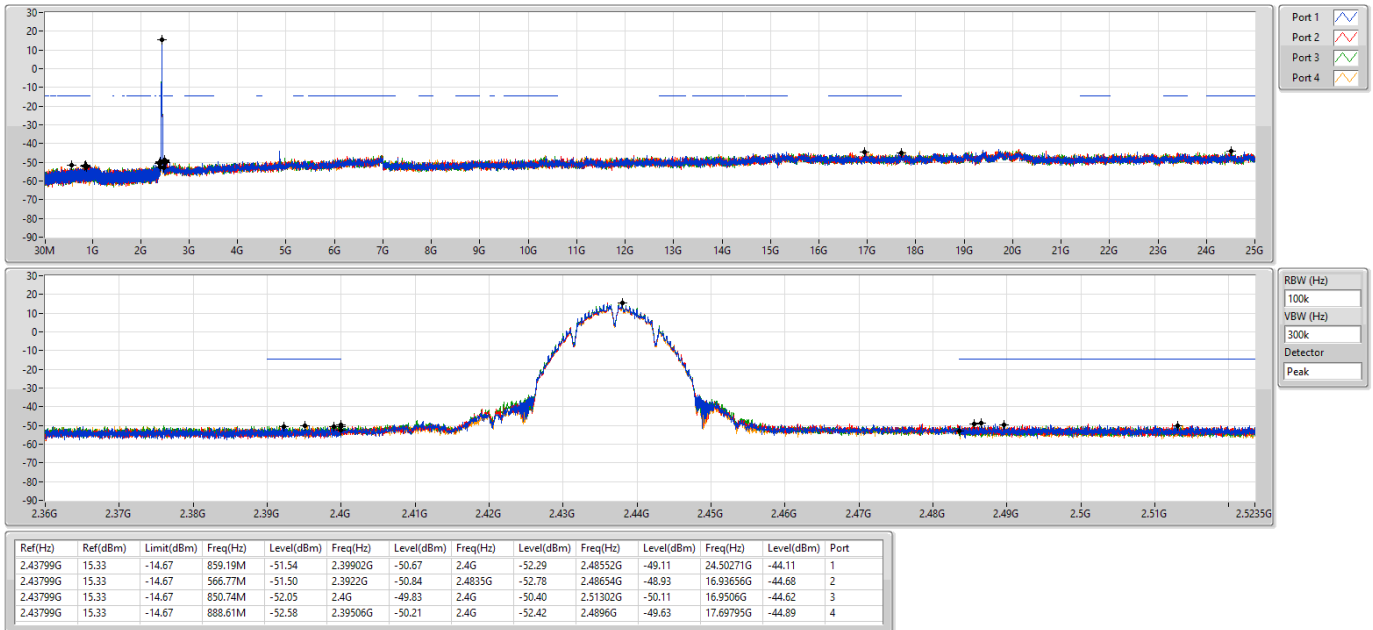
2412MHz



802.11b_Nss1,(1Mbps)_4TX

CSENdB

2437MHz

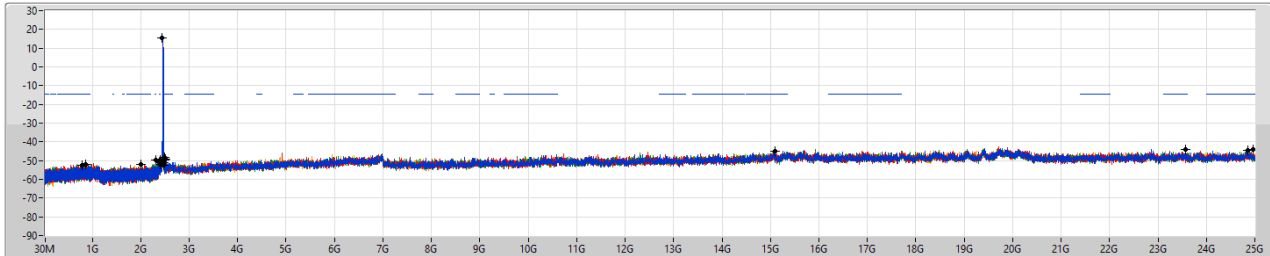


802.11b_Nss1,(1Mbps)_4TX

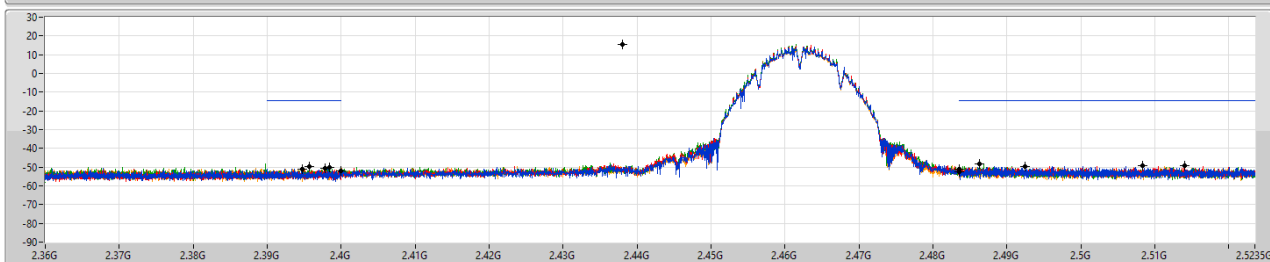
2462MHz

CSENdB

04/10/2021



Port 1
Port 2
Port 3
Port 4



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

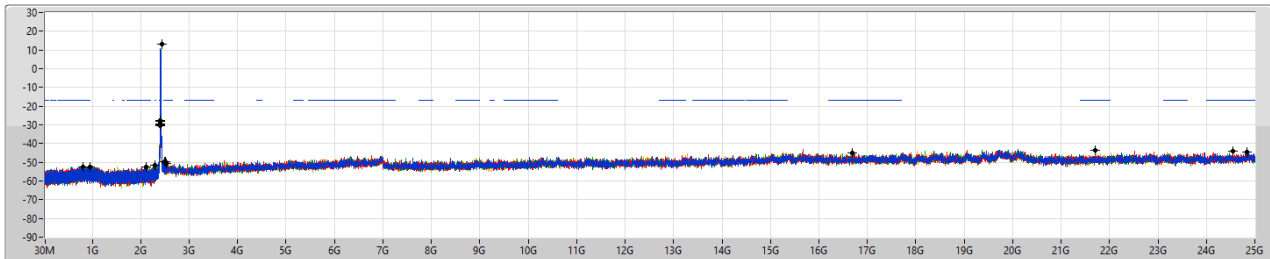
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43799G	15.33	-14.67	2.0105G	-52.23	2.39842G	-50.26	2.4835G	-51.02	2.49246G	-49.46	23.57836G	-44.25	1
2.43799G	15.33	-14.67	788.12M	-52.41	2.39474G	-51.19	2.4835G	-51.29	2.51402G	-49.23	24.85109G	-44.66	2
2.43799G	15.33	-14.67	2.30408G	-49.92	2.39572G	-49.92	2.4G	-51.86	2.48628G	-48.33	15.08786G	-44.83	3
2.43799G	15.33	-14.67	859.48M	-52.21	2.3978G	-50.76	2.4835G	-52.56	2.5083G	-49.26	24.96348G	-43.97	4

802.11g_Nss1,(6Mbps)_4TX

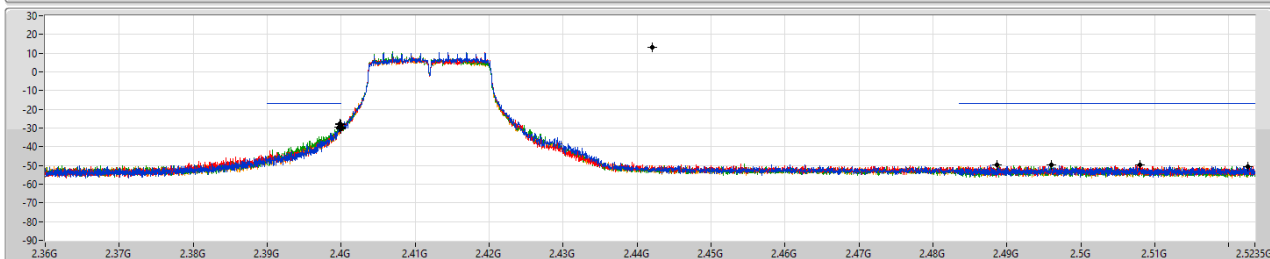
2412MHz

CSENdB

04/10/2021



Port 1
Port 2
Port 3
Port 4



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

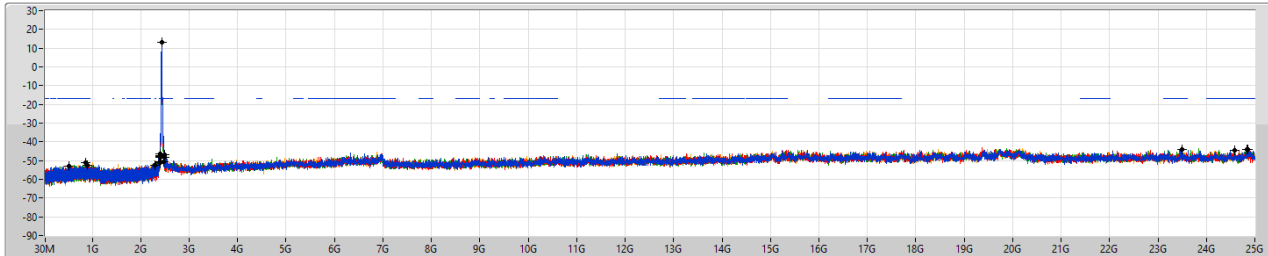
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	13.00	-17.00	953.26M	-52.57	2.39968G	-29.35	2.4G	-29.79	2.50796G	-49.60	16.69493G	-45.22	1
2.442G	13.00	-17.00	2.10574G	-52.38	2.39982G	-27.66	2.4G	-30.66	2.48866G	-49.46	24.83985G	-44.49	2
2.442G	13.00	-17.00	2.3G	-51.36	2.39994G	-28.35	2.4G	-30.18	2.49596G	-49.83	21.70157G	-43.49	3
2.442G	13.00	-17.00	814.92M	-52.46	2.39978G	-27.91	2.4G	-29.47	2.52256G	-50.42	24.53923G	-44.25	4

802.11g_Nss1,(6Mbps)_4TX

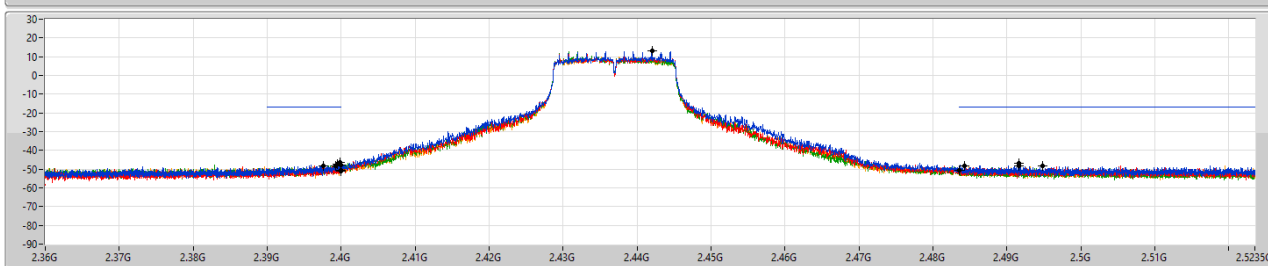
CSENdB

2437MHz

04/10/2021



Port 1
Port 2
Port 3
Port 4



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

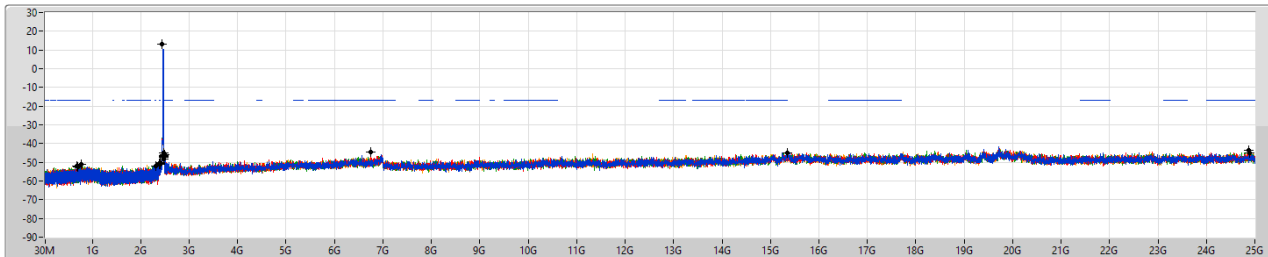
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	13.00	-17.00	2.3G	-52.37	2.39986G	-46.64	2.4G	-47.98	2.49166G	-47.08	23.49126G	-44.03	1
2.442G	13.00	-17.00	519.88M	-53.00	2.39754G	-48.23	2.4833G	-50.51	2.4842G	-48.28	24.84266G	-44.18	2
2.442G	13.00	-17.00	854.53M	-51.11	2.39948G	-47.32	2.4G	-50.74	2.4948G	-48.14	24.57576G	-44.37	3
2.442G	13.00	-17.00	896.18M	-52.62	2.39926G	-48.24	2.4G	-51.02	2.49162G	-48.20	24.8539G	-44.13	4

802.11g_Nss1,(6Mbps)_4TX

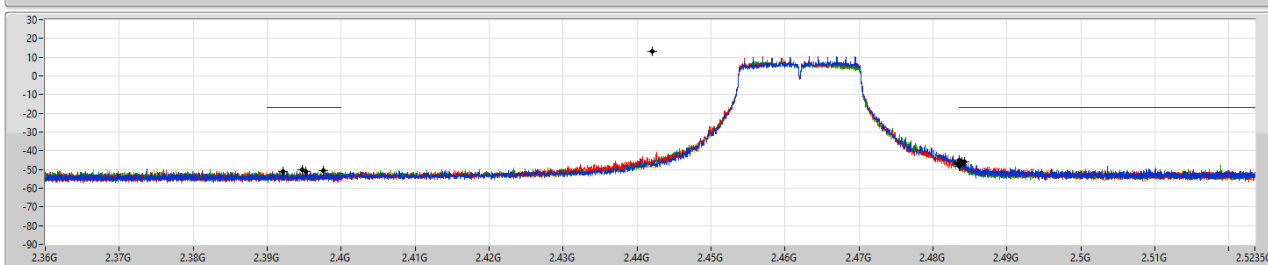
CSENdB

2462MHz

04/10/2021



Port 1
Port 2
Port 3
Port 4



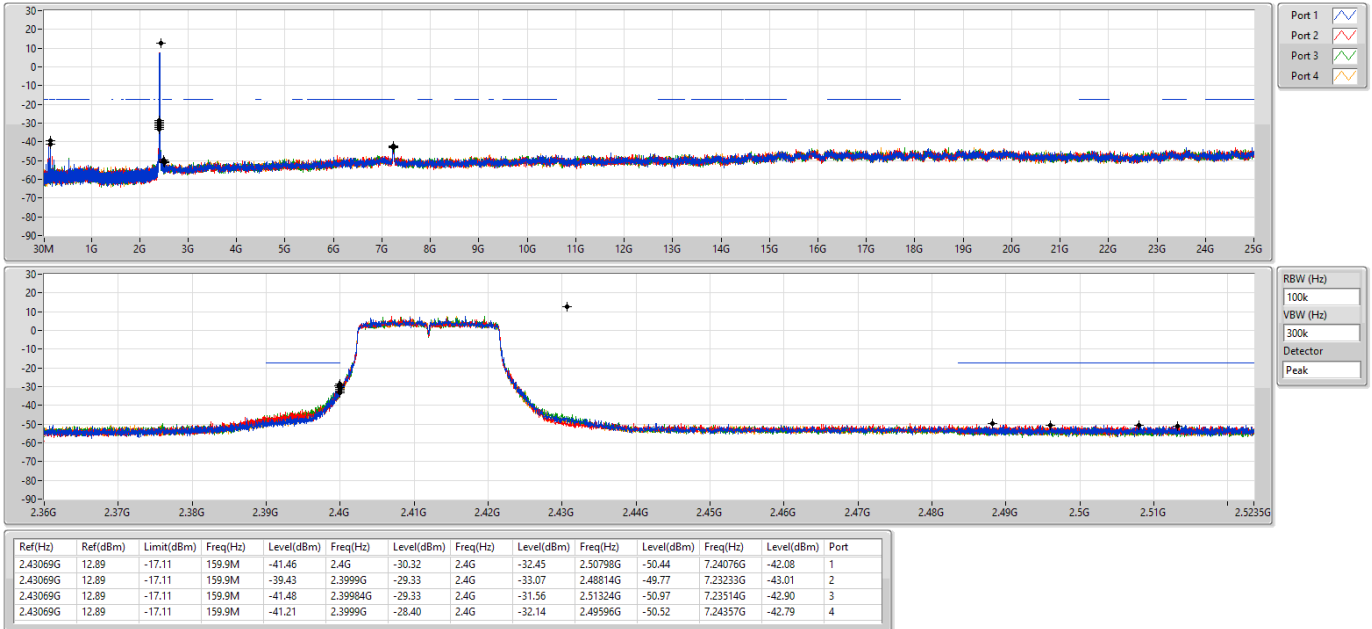
RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	13.00	-17.00	694.05M	-52.30	2.3921G	-51.13	2.4833G	-44.96	2.4836G	-45.75	15.34353G	-44.98	1
2.442G	13.00	-17.00	680.36M	-51.99	2.39524G	-50.94	2.4833G	-46.26	2.48388G	-46.00	24.86795G	-43.75	2
2.442G	13.00	-17.00	2.30408G	-52.04	2.39762G	-50.71	2.4833G	-46.75	2.48353G	-47.51	6.7547G	-44.75	3
2.442G	13.00	-17.00	779.68M	-51.27	2.39474G	-50.37	2.4833G	-48.14	2.48422G	-45.78	24.88481G	-45.16	4

802.11ax HEW20_Nss1,(MCS0)_4TX

CSENdB

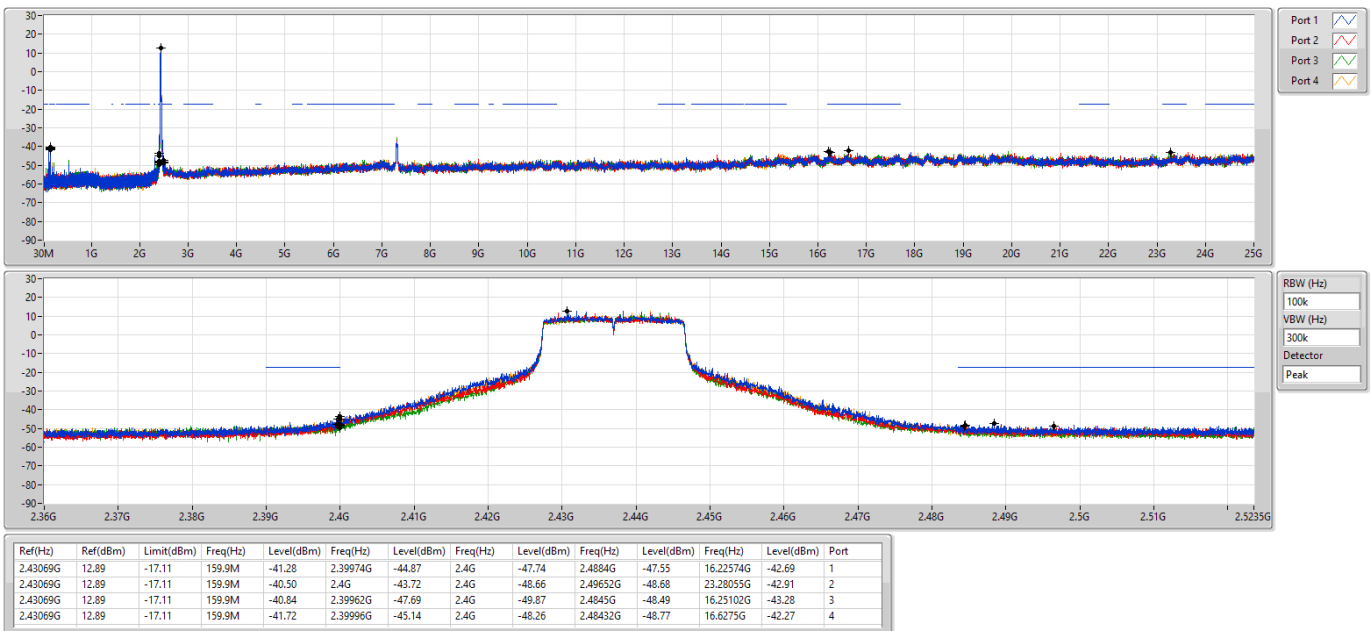
2412MHz



802.11ax HEW20_Nss1,(MCS0)_4TX

CSENdB

2437MHz

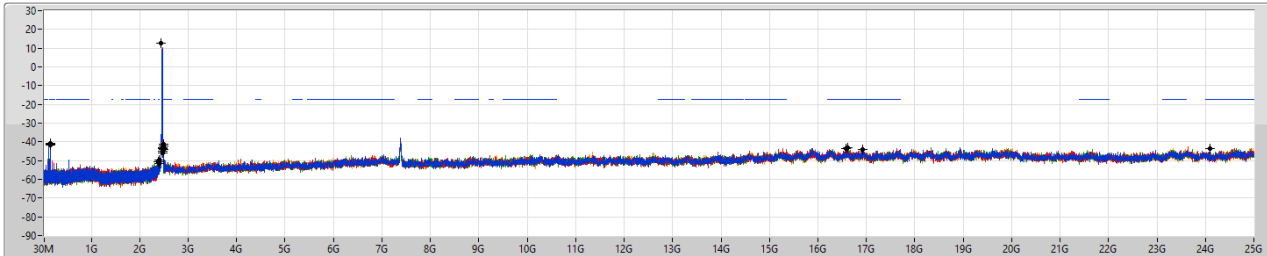


802.11ax HEW20_Nss1,(MCS0)_4TX

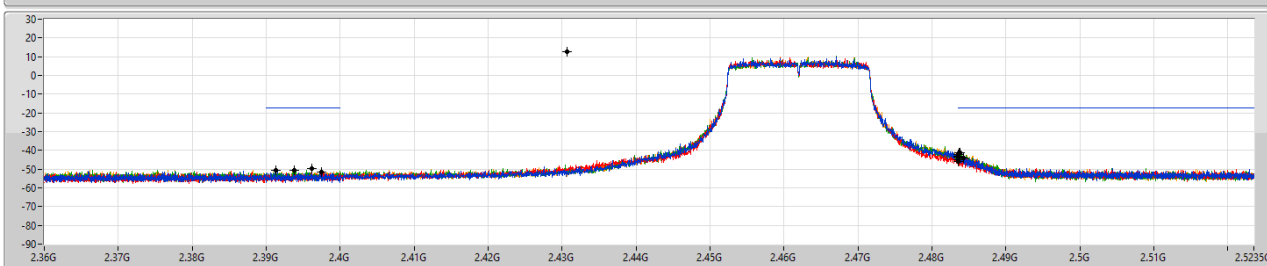
CSENdB

2462MHz

22/10/2021



Port 1
Port 2
Port 3
Port 4



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

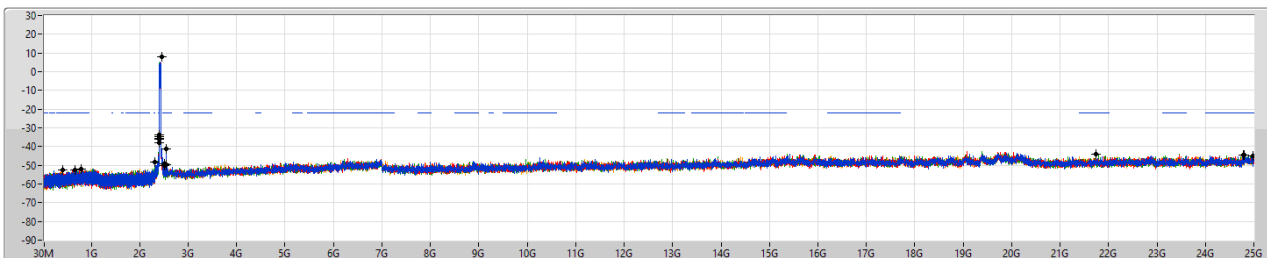
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43069G	12.89	-17.11	159.9M	-41.09	2.39748G	-51.47	2.4835G	-43.36	2.4836G	-42.23	16.9197G	-43.83	1
2.43069G	12.89	-17.11	159.9M	-40.87	2.39612G	-49.77	2.4835G	-45.85	2.4842G	-44.07	24.0897G	-43.38	2
2.43069G	12.89	-17.11	159.9M	-41.82	2.39128G	-50.45	2.4835G	-43.26	2.48368G	-41.09	16.61065G	-43.35	3
2.43069G	12.89	-17.11	159.9M	-41.26	2.39382G	-50.85	2.4835G	-44.81	2.48374G	-41.44	16.58536G	-43.50	4

802.11ax HEW40_Nss1,(MCS0)_4TX

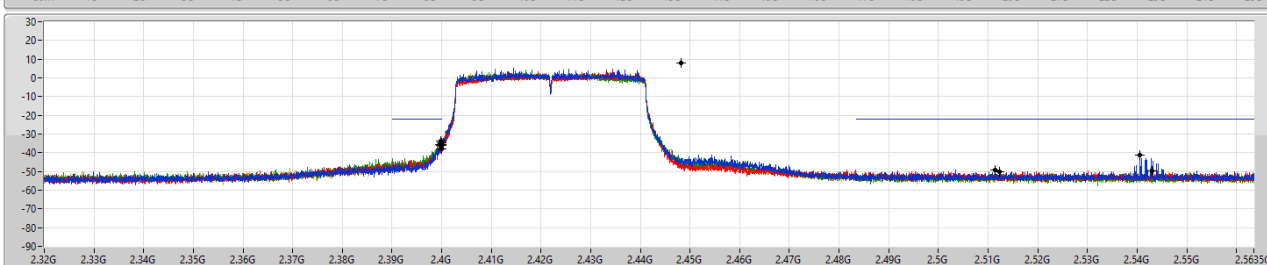
CSENdB

2422MHz

04/10/2021



Port 1
Port 2
Port 3
Port 4



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

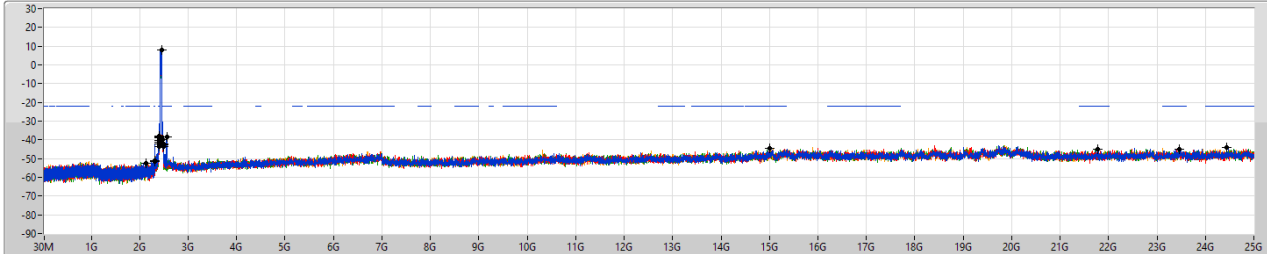
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44822G	7.91	-22.09	413.58M	-52.43	2.39972G	-35.40	2.4G	-36.15	2.54062G	-41.46	24.79405G	-44.76	1
2.44822G	7.91	-22.09	657.46M	-52.70	2.39976G	-36.07	2.4G	-37.98	2.51134G	-49.12	24.79246G	-44.33	2
2.44822G	7.91	-22.09	2.30254G	-48.47	2.39984G	-33.76	2.4G	-35.98	2.5431G	-49.65	21.73268G	-44.03	3
2.44822G	7.91	-22.09	792.28M	-51.84	2.4G	-34.52	2.4G	-35.58	2.51226G	-50.02	24.97476G	-44.94	4

802.11ax HEW40_Nss1,(MCS0)_4TX

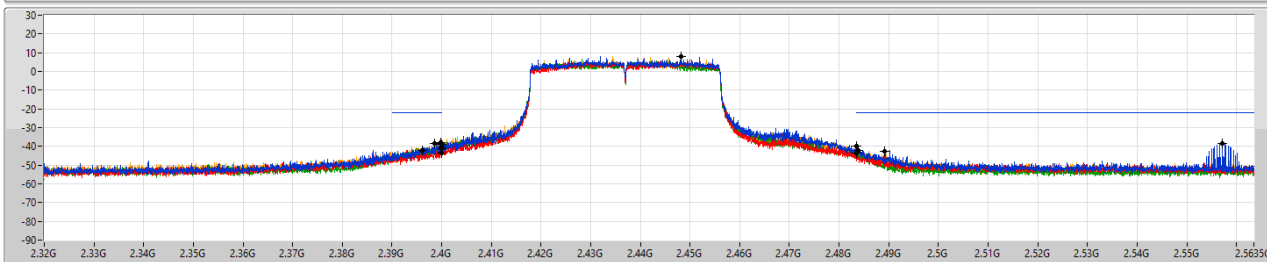
CSENdB

2437MHz

04/10/2021



Port 1
Port 2
Port 3
Port 4



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

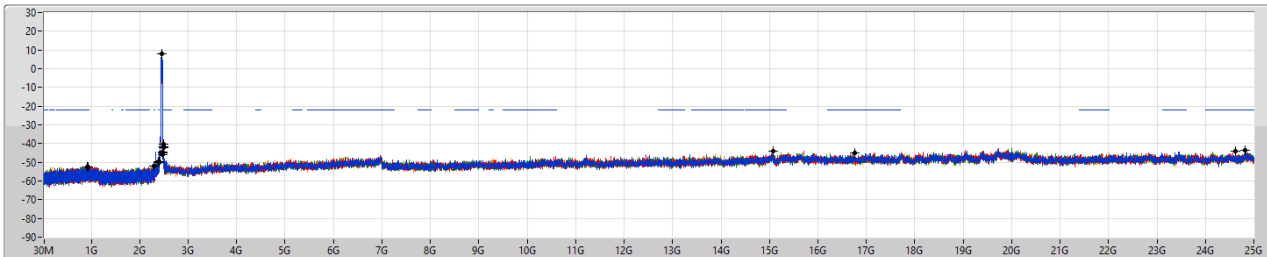
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44822G	7.91	-22.09	2.3097G	-51.02	2.39856G	-38.40	2.4835G	-39.75	2.55722G	-38.66	15.01295G	-44.46	1
2.44822G	7.91	-22.09	2.12506G	-52.48	2.39604G	-42.00	2.4G	-43.69	2.48922G	-42.65	21.78317G	-44.82	2
2.44822G	7.91	-22.09	2.30426G	-50.88	2.39996G	-40.25	2.4G	-41.45	2.48358G	-43.65	23.4659G	-44.95	3
2.44822G	7.91	-22.09	2.30283G	-51.56	2.3998G	-37.84	2.4G	-39.02	2.48386G	-42.38	24.4348G	-44.12	4

802.11ax HEW40_Nss1,(MCS0)_4TX

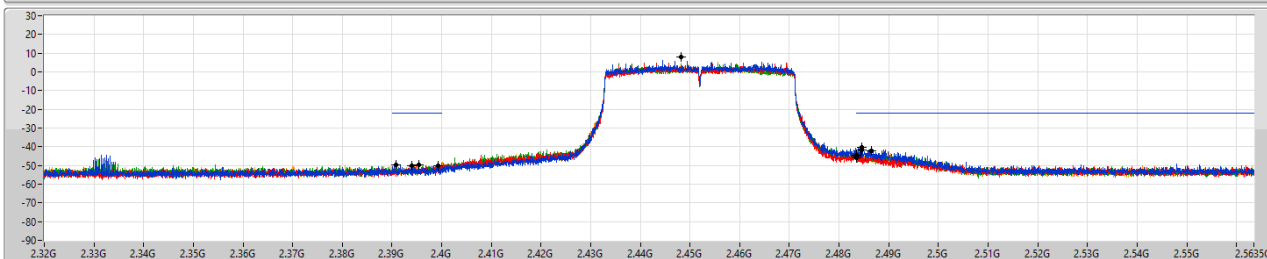
CSENdB

2452MHz

04/10/2021



Port 1
Port 2
Port 3
Port 4



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

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
2.44822G	7.91	-22.09	916.52M	-52.33	2.39392G	-49.93	2.4835G	-44.47	2.48454G	-40.45	24.61577G	-44.15	1
2.44822G	7.91	-22.09	937.13M	-52.42	2.39936G	-50.32	2.4835G	-46.01	2.4845G	-41.89	16.75739G	-44.88	2
2.44822G	7.91	-22.09	2.30199G	-51.99	2.3998G	-49.66	2.4835G	-45.72	2.48443G	-41.77	24.8177G	-43.76	3
2.44822G	7.91	-22.09	2.30199G	-52.11	2.39536G	-49.83	2.4835G	-44.82	2.4865G	-42.06	15.07185G	-44.27	4

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)_4TX	Pass	2.43799G	15.71	-14.29	2.30437G	-48.05	2.39952G	-22.63	2.4G	-25.29	2.51288G	-45.70	7.22952G	-42.33	3
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	Pass	2.42747G	14.33	-15.67	851.54M	-46.67	2.3994G	-25.45	2.4G	-26.03	2.54286G	-43.47	5.89532G	-42.56	4

Result

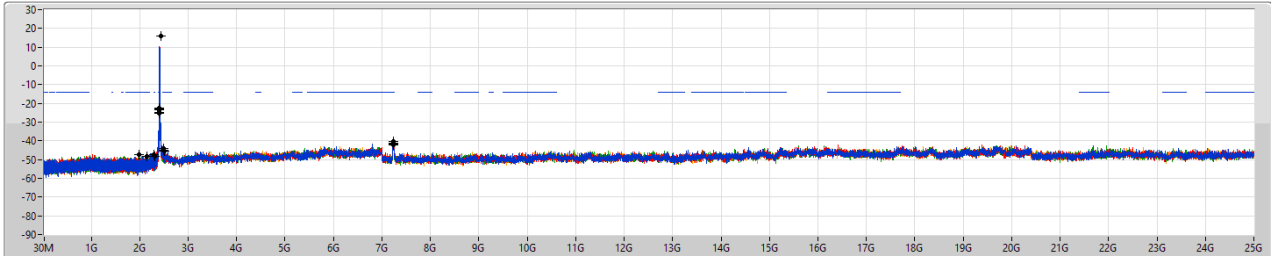
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43799G	15.71	-14.29	1.99419G	-47.34	2.39968G	-23.27	2.4G	-23.50	2.49266G	-43.87	7.23233G	-41.24	1
2412MHz	Pass	2.43799G	15.71	-14.29	2.14156G	-48.31	2.39988G	-23.07	2.4G	-24.62	2.4976G	-44.99	7.23514G	-41.57	2
2412MHz	Pass	2.43799G	15.71	-14.29	2.30437G	-48.05	2.39952G	-22.63	2.4G	-25.29	2.51288G	-45.70	7.22952G	-42.33	3
2412MHz	Pass	2.43799G	15.71	-14.29	2.30204G	-47.32	2.3999G	-22.76	2.4G	-24.94	2.4863G	-45.22	7.23233G	-40.30	4
2437MHz	Pass	2.43799G	15.71	-14.29	1.64411G	-47.62	2.39918G	-43.00	2.4G	-44.40	2.485G	-44.80	16.77922G	-42.78	1
2437MHz	Pass	2.43799G	15.71	-14.29	2.0839G	-48.47	2.39872G	-40.97	2.4835G	-45.86	2.48552G	-42.29	5.91183G	-43.12	2
2437MHz	Pass	2.43799G	15.71	-14.29	1.97497G	-48.43	2.39886G	-42.40	2.4G	-46.72	2.49674G	-45.54	17.66142G	-42.97	3
2437MHz	Pass	2.43799G	15.71	-14.29	2.17098G	-47.79	2.39946G	-41.03	2.4G	-46.38	2.49666G	-44.45	16.44207G	-42.74	4
2462MHz	Pass	2.43799G	15.71	-14.29	626.48M	-48.50	2.39994G	-45.02	2.4835G	-37.09	2.4856G	-32.92	16.3606G	-42.47	1
2462MHz	Pass	2.43799G	15.71	-14.29	2.13894G	-47.52	2.3959G	-45.53	2.4835G	-36.17	2.48502G	-32.61	6.70975G	-42.77	2
2462MHz	Pass	2.43799G	15.71	-14.29	2.30233G	-47.89	2.39996G	-45.25	2.4835G	-39.00	2.488G	-33.60	6.01579G	-42.71	3
2462MHz	Pass	2.43799G	15.71	-14.29	1.75129G	-47.30	2.39238G	-45.73	2.4835G	-36.27	2.48366G	-34.03	5.9034G	-43.11	4
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.42747G	14.33	-15.67	2.30082G	-42.51	2.39976G	-25.51	2.4G	-27.10	2.54126G	-36.82	7.2359G	-38.42	1
2422MHz	Pass	2.42747G	14.33	-15.67	619.1M	-47.36	2.4G	-26.65	2.4G	-29.20	2.4939G	-43.03	16.34512G	-42.34	2
2422MHz	Pass	2.42747G	14.33	-15.67	2.3097G	-46.90	2.39984G	-25.61	2.4G	-26.21	2.54306G	-43.40	5.85325G	-43.11	3
2422MHz	Pass	2.42747G	14.33	-15.67	851.54M	-46.67	2.3994G	-25.45	2.4G	-26.03	2.54286G	-43.47	5.89532G	-42.56	4
2437MHz	Pass	2.42747G	14.33	-15.67	2.30197G	-47.55	2.39716G	-30.81	2.4G	-36.35	2.48758G	-33.54	17.68851G	-42.96	1
2437MHz	Pass	2.42747G	14.33	-15.67	1.63186G	-47.76	2.39992G	-35.75	2.4G	-35.83	2.48698G	-33.11	14.86992G	-42.57	2
2437MHz	Pass	2.42747G	14.33	-15.67	2.30683G	-47.44	2.39804G	-31.17	2.4G	-36.05	2.48354G	-36.94	16.27781G	-42.26	3
2437MHz	Pass	2.42747G	14.33	-15.67	2.17401G	-48.17	2.39852G	-35.94	2.4835G	-40.60	2.4907G	-34.25	17.66046G	-42.62	4
2452MHz	Pass	2.42747G	14.33	-15.67	773.39M	-47.33	2.39824G	-46.16	2.4835G	-45.92	2.48418G	-44.03	16.4545G	-42.33	1
2452MHz	Pass	2.42747G	14.33	-15.67	1.63186G	-48.13	2.3924G	-46.82	2.4835G	-45.30	2.4845G	-43.97	5.98507G	-41.50	2
2452MHz	Pass	2.42747G	14.33	-15.67	1.99625G	-48.40	2.39296G	-47.28	2.4835G	-47.42	2.49898G	-45.52	16.43206G	-42.87	3
2452MHz	Pass	2.42747G	14.33	-15.67	1.72517G	-48.04	2.39488G	-47.19	2.4835G	-46.20	2.48694G	-45.29	16.42084G	-42.89	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

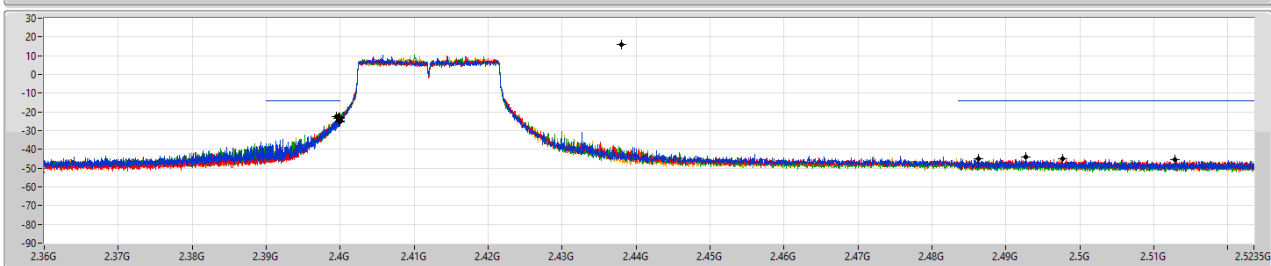
2412MHz

CSENdB

14/10/2021



Port 1
Port 2
Port 3
Port 4



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

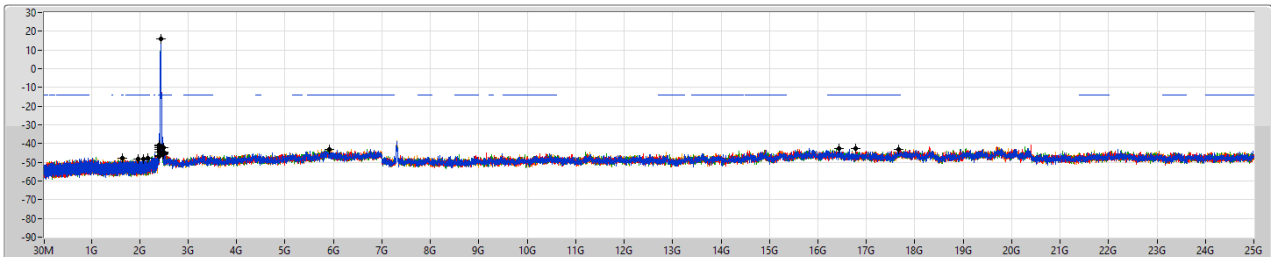
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43799G	15.71	-14.29	1.99419G	-47.34	2.39968G	-23.27	2.4G	-23.50	2.49266G	-43.87	7.23233G	-41.24	1
2.43799G	15.71	-14.29	2.14156G	-48.31	2.39988G	-23.07	2.4G	-24.62	2.4976G	-44.99	7.23514G	-41.57	2
2.43799G	15.71	-14.29	2.30437G	-48.05	2.39952G	-22.63	2.4G	-25.29	2.51288G	-45.70	7.22952G	-42.33	3
2.43799G	15.71	-14.29	2.30204G	-47.32	2.3999G	-22.76	2.4G	-24.94	2.4863G	-45.22	7.23233G	-40.30	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

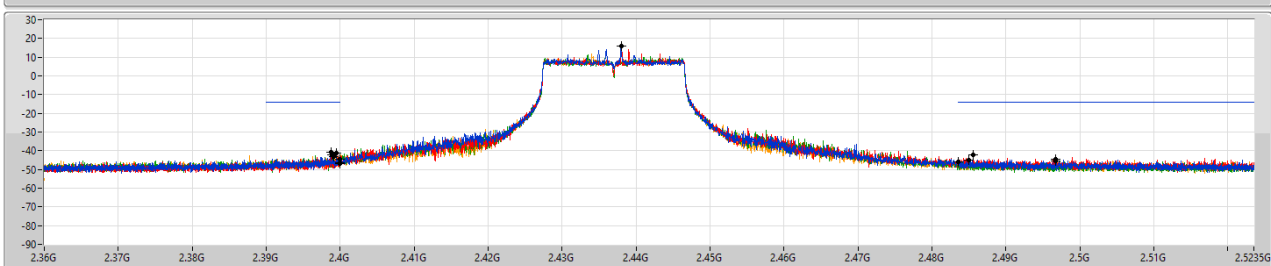
2437MHz

CSENdB

14/10/2021



Port 1
Port 2
Port 3
Port 4



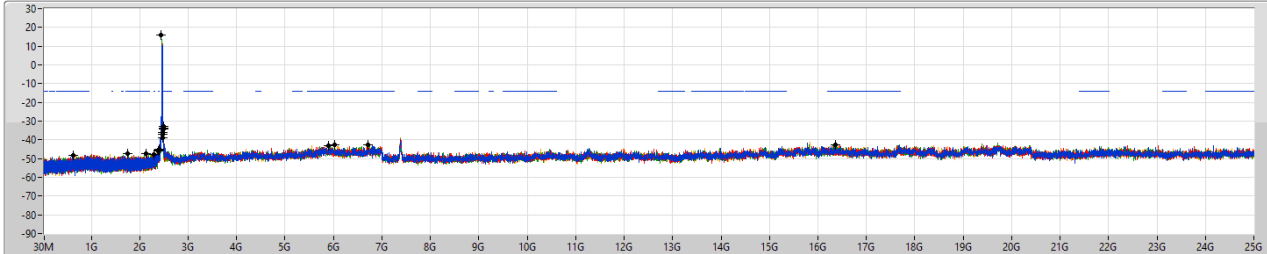
RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

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
2.43799G	15.71	-14.29	1.64411G	-47.62	2.39918G	-43.00	2.4G	-44.40	2.485G	-44.80	16.77922G	-42.78	1
2.43799G	15.71	-14.29	2.0839G	-48.47	2.39872G	-40.97	2.4835G	-45.86	2.48552G	-42.29	5.91183G	-43.12	2
2.43799G	15.71	-14.29	1.97497G	-48.43	2.39886G	-42.40	2.4G	-46.72	2.49674G	-45.54	17.66142G	-42.97	3
2.43799G	15.71	-14.29	2.17098G	-47.79	2.39946G	-41.03	2.4G	-46.38	2.49666G	-44.45	16.44207G	-42.74	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

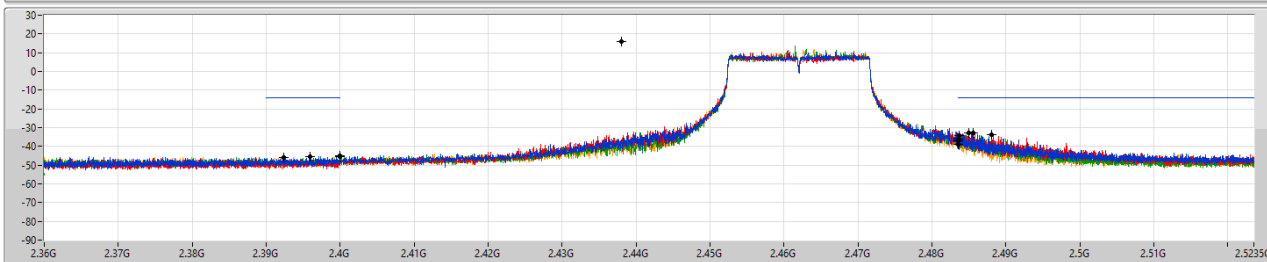
CSENdB

2462MHz



14/10/2021

Port 1
Port 2
Port 3
Port 4



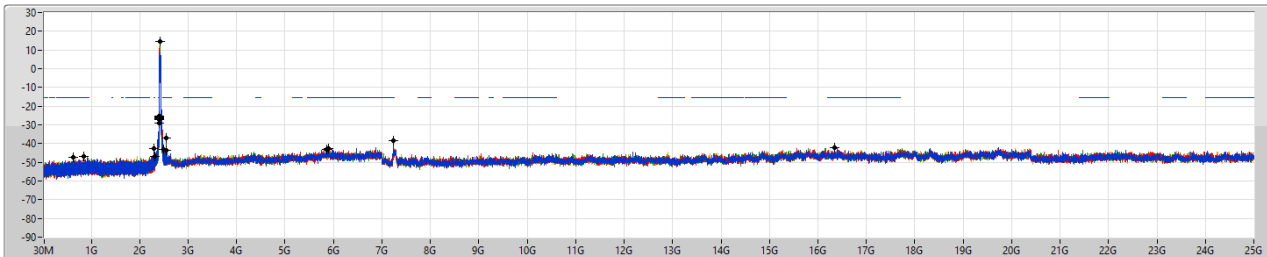
RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

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
2.43799G	15.71	-14.29	626.48M	-48.50	2.39994G	-45.02	2.4835G	-37.09	2.4856G	-32.92	16.3606G	-42.47	1
2.43799G	15.71	-14.29	2.13894G	-47.52	2.3999G	-45.53	2.4835G	-36.17	2.48502G	-32.61	6.70975G	-42.77	2
2.43799G	15.71	-14.29	2.30233G	-47.89	2.39996G	-45.25	2.4835G	-39.00	2.488G	-33.60	6.01579G	-42.71	3
2.43799G	15.71	-14.29	1.75129G	-47.30	2.39238G	-45.73	2.4835G	-36.27	2.48366G	-34.03	5.9034G	-43.11	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

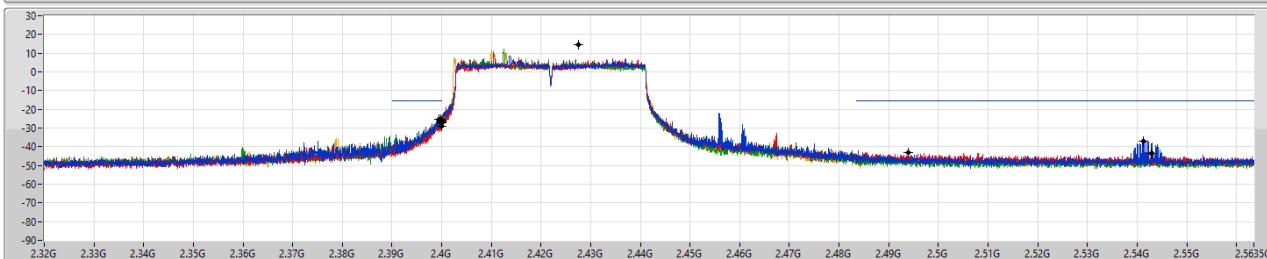
CSENdB

2422MHz



14/10/2021

Port 1
Port 2
Port 3
Port 4



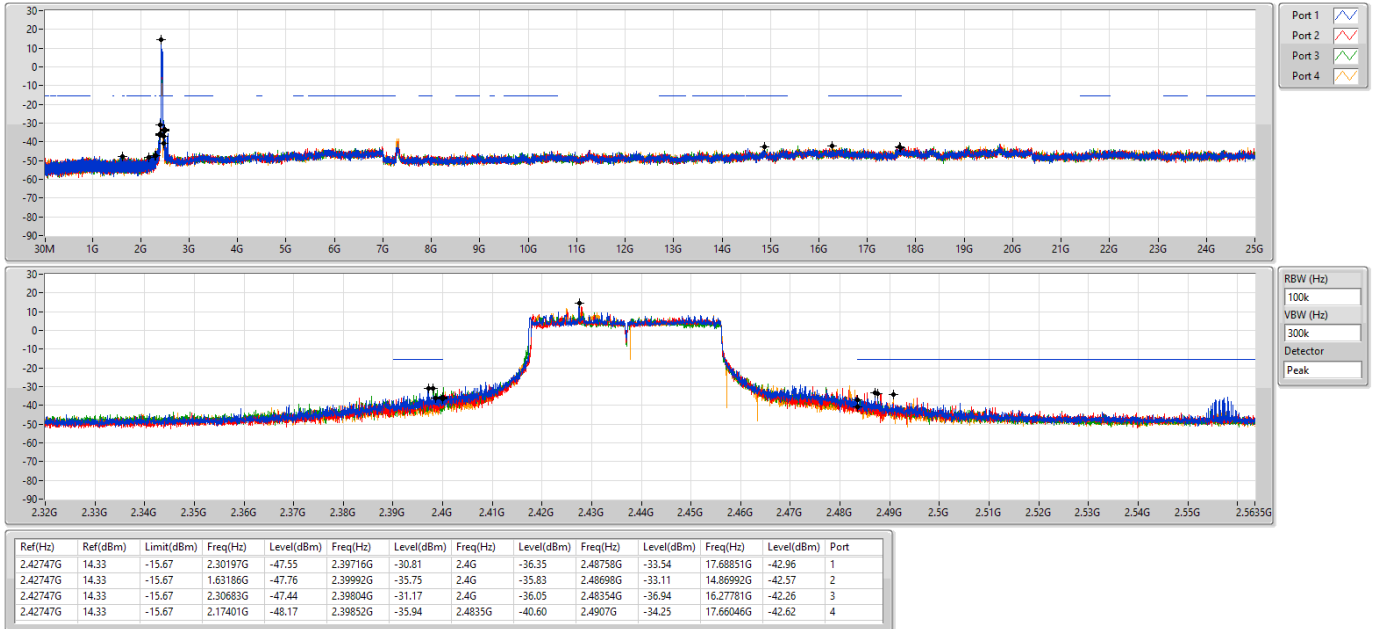
RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

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
2.42747G	14.33	-15.67	2.30082G	-42.51	2.39976G	-25.51	2.4G	-27.10	2.54126G	-36.82	7.2359G	-38.42	1
2.42747G	14.33	-15.67	619.1M	-47.36	2.4G	-26.65	2.4G	-29.20	2.4899G	-43.03	16.34512G	-42.34	2
2.42747G	14.33	-15.67	2.3097G	-46.90	2.39884G	-25.61	2.4G	-26.21	2.54306G	-43.40	5.85325G	-43.11	3
2.42747G	14.33	-15.67	851.54M	-46.67	2.3994G	-25.45	2.4G	-26.03	2.54286G	-43.47	5.89532G	-42.56	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

CSENdB

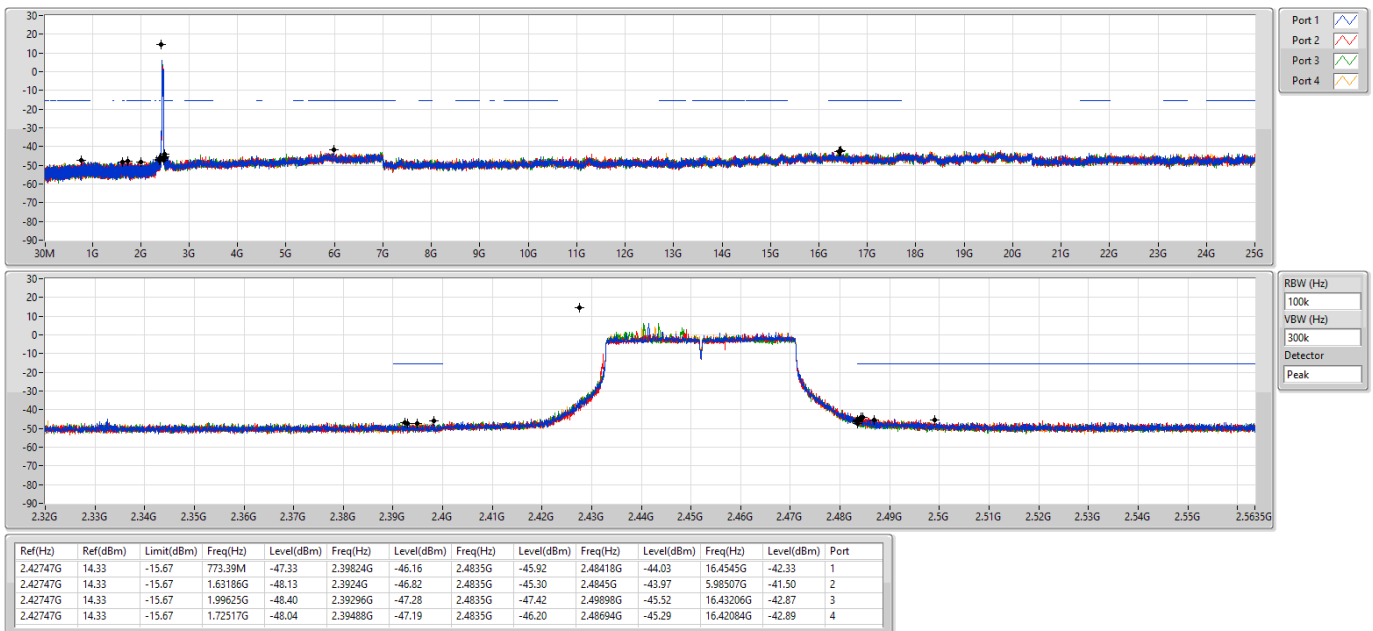
2437MHz



802.11ax HEW40-BF_Nss1,(MCS0)_4TX

CSENdB

2452MHz





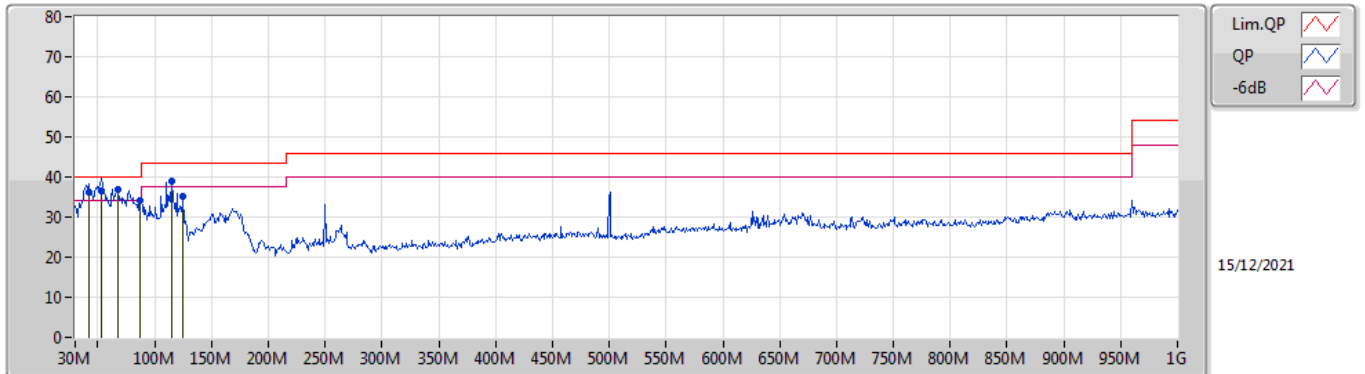
Radiated Emissions below 1GHz

Appendix F.1

Summary

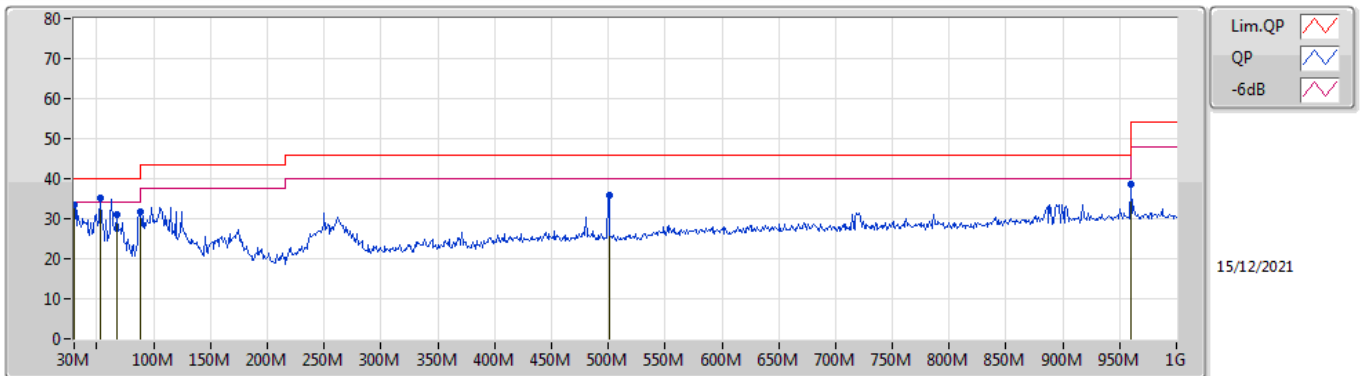
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 2	Pass	PK	67.83M	36.75	40.00	-3.25	Vertical

Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
QP	41.64M	36.27	40.00	-3.73	-12.93	3	Vertical	354	1.00	-	49.20	17.82	0.93	31.68
QP	53.28M	36.68	40.00	-3.32	-17.82	3	Vertical	0	1.00	"	54.50	12.87	1.10	31.79
PK	67.83M	36.75	40.00	-3.25	-18.57	3	Vertical	139	1.00	"Worst"	55.32	12.05	1.26	31.88
PK	87.23M	34.31	40.00	-5.69	-16.42	3	Vertical	105	1.50	-	50.73	14.05	1.44	31.91
PK	114.39M	39.07	43.50	-4.43	-12.41	3	Vertical	313	1.00	-	51.48	17.94	1.57	31.92
PK	125.06M	35.27	43.50	-8.23	-12.37	3	Vertical	330	1.00	-	47.64	17.93	1.65	31.95

Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	30M	33.54	40.00	-6.46	-6.49	3	Horizontal	357	1.25	-	40.03	24.20	0.80	31.49
PK	53.28M	35.13	40.00	-4.87	-17.82	3	Horizontal	4	1.25	"Worst"	52.95	12.87	1.10	31.79
PK	67.83M	31.05	40.00	-8.95	-18.57	3	Horizontal	209	2.00	-	49.62	12.05	1.26	31.88
PK	88M	31.68	40.00	-8.32	-16.20	3	Horizontal	211	1.50	-	47.88	14.25	1.46	31.91
PK	500.45M	35.81	46.00	-10.19	-5.55	3	Horizontal	257	1.25	-	41.36	23.18	3.60	32.33
PK	960M	38.55	46.00	-7.45	-0.39	3	Horizontal	227	1.50	-	38.94	26.58	5.60	32.57

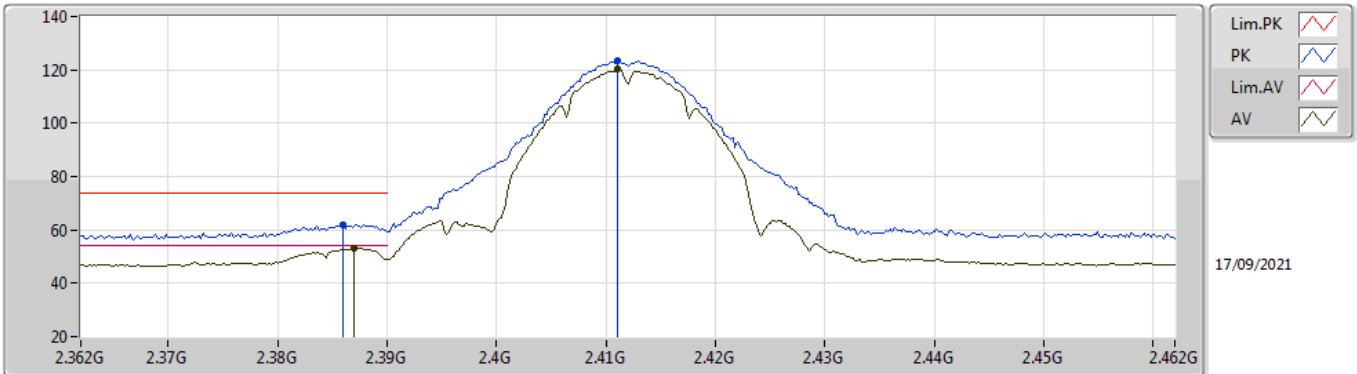


Summary

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 HEW20_Nss1.(MCS0)_4TX	Pass	AV	2.39G	53.98	54.00	-0.02	3	Vertical	276	1.88	-

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

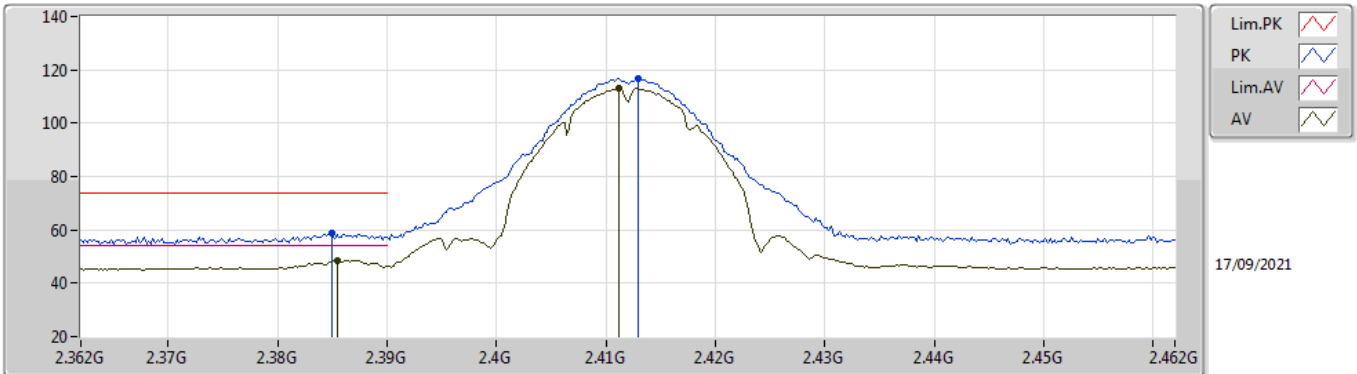


EUT Y_4TX
Setting 24.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.386G	61.88	74.00	-12.12	29.86	3	Vertical	263	2.60	-	28.33	3.69	-
AV	2.387G	53.30	54.00	-0.70	21.28	3	Vertical	263	2.60	-	28.33	3.69	-
PK	2.411G	123.38	Inf	-Inf	91.35	3	Vertical	263	2.60	-	28.32	3.71	-
AV	2.411G	120.16	Inf	-Inf	88.13	3	Vertical	263	2.60	-	28.32	3.71	-

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

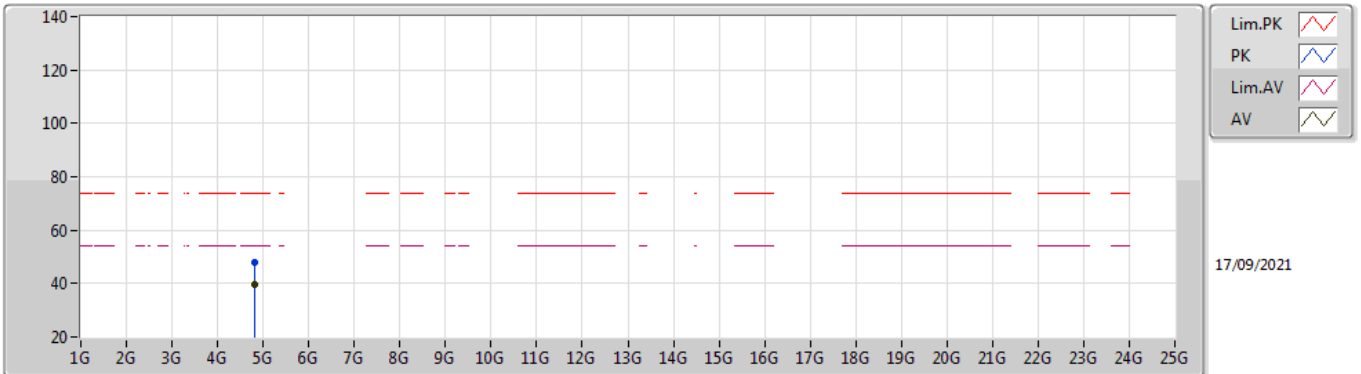


EUT Y_4TX
Setting 24.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.385G	59.00	74.00	-15.00	26.98	3	Horizontal	112	1.64	-	28.33	3.69	-
AV	2.3854G	48.69	54.00	-5.31	16.67	3	Horizontal	112	1.64	-	28.33	3.69	-
PK	2.413G	116.78	Inf	-Inf	84.74	3	Horizontal	112	1.64	-	28.33	3.71	-
AV	2.4112G	113.04	Inf	-Inf	81.01	3	Horizontal	112	1.64	-	28.32	3.71	-

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

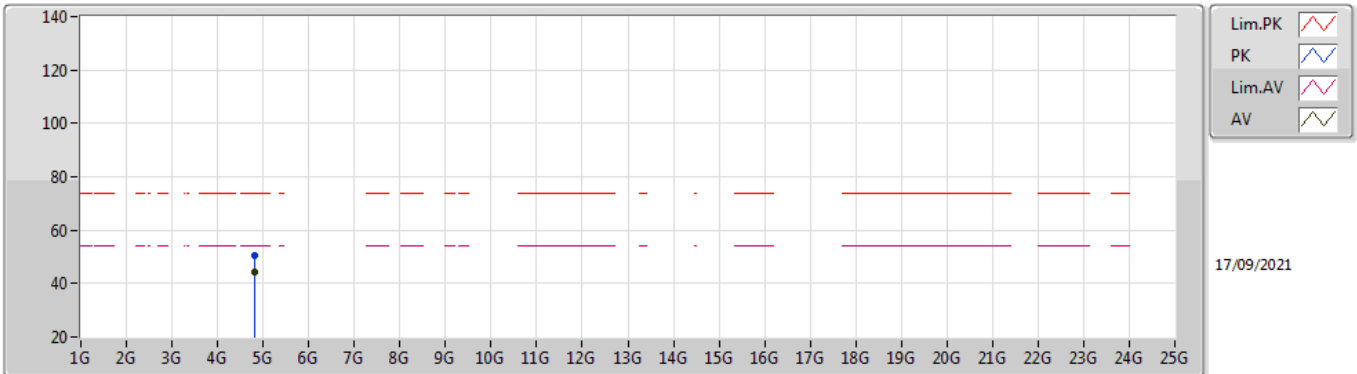


EUT Y_4TX
Setting 24.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82388G	47.79	74.00	-26.21	43.31	3	Vertical	266	2.41	-	33.40	6.50	35.42
AV	4.82403G	39.67	54.00	-14.33	35.19	3	Vertical	266	2.41	-	33.40	6.50	35.42

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

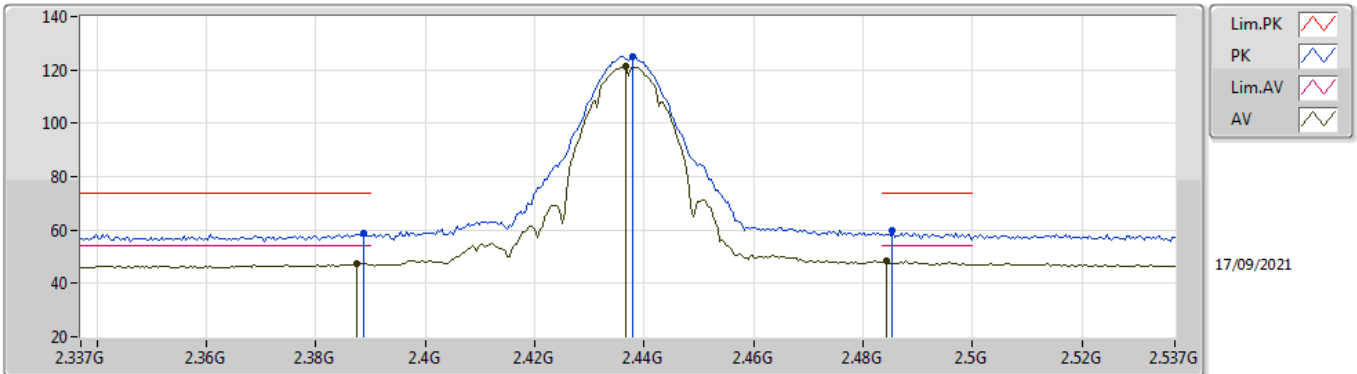


EUT Y_4TX
Setting 24.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82385G	50.46	74.00	-23.54	45.98	3	Horizontal	281	1.80	-	33.40	6.50	35.42
AV	4.82397G	44.17	54.00	-9.83	39.69	3	Horizontal	281	1.80	-	33.40	6.50	35.42

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

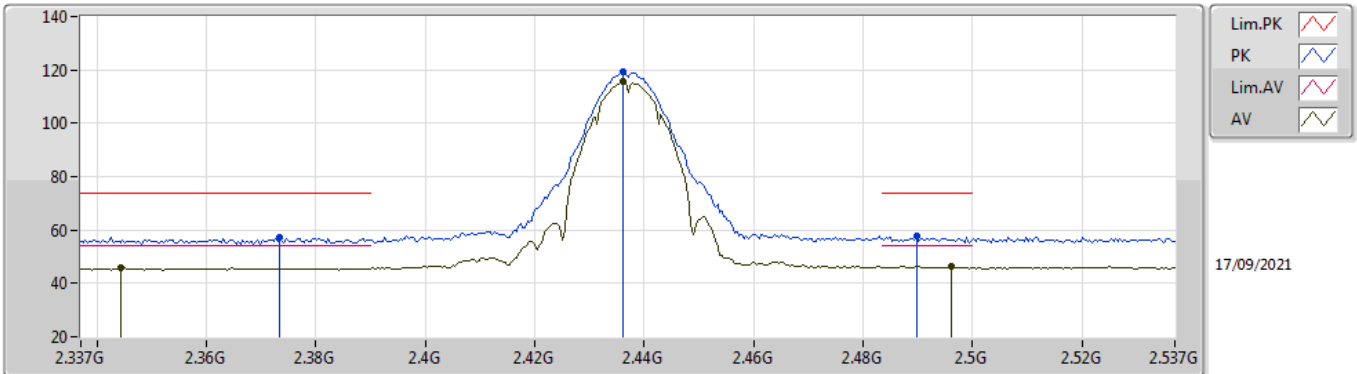


EUT_Y_4TX
Setting 26.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3886G	58.56	74.00	-15.44	26.55	3	Vertical	258	2.03	-	28.32	3.69	-
AV	2.3874G	47.66	54.00	-6.34	15.64	3	Vertical	258	2.03	-	28.33	3.69	-
PK	2.4378G	125.06	Inf	-Inf	92.94	3	Vertical	258	2.03	-	28.38	3.74	-
AV	2.4366G	121.41	Inf	-Inf	89.30	3	Vertical	258	2.03	-	28.37	3.74	-
PK	2.4854G	59.93	74.00	-14.07	27.53	3	Vertical	258	2.03	-	28.61	3.79	-
AV	2.4842G	48.36	54.00	-5.64	15.97	3	Vertical	258	2.03	-	28.61	3.78	-

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

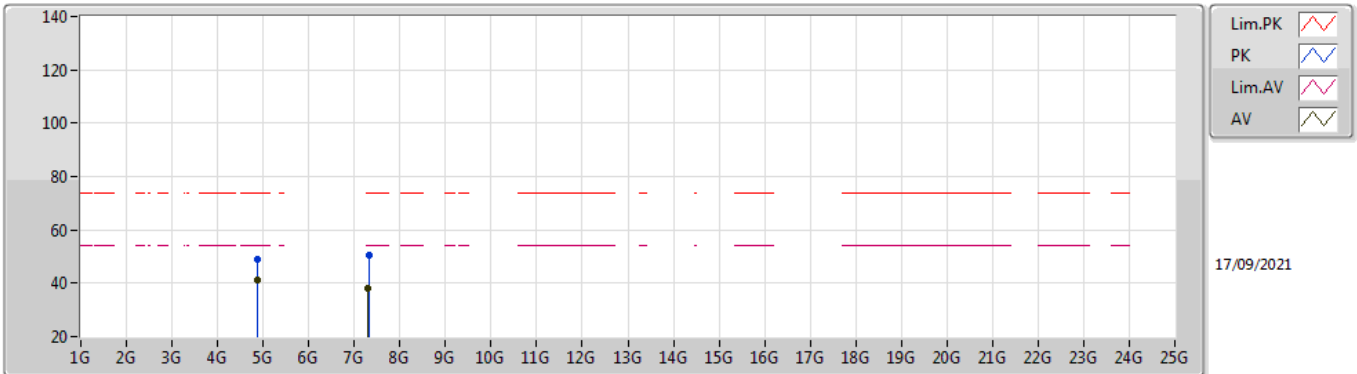


EUT_Y_4TX
Setting 26.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3734G	57.07	74.00	-16.93	25.03	3	Horizontal	108	1.80	-	28.35	3.69	-	
AV	2.3442G	45.72	54.00	-8.28	13.68	3	Horizontal	108	1.80	-	28.37	3.67	-	
PK	2.4362G	119.13	Inf	-Inf	87.02	3	Horizontal	108	1.80	-	28.37	3.74	-	
AV	2.4362G	115.54	Inf	-Inf	83.43	3	Horizontal	108	1.80	-	28.37	3.74	-	
PK	2.4898G	57.81	74.00	-16.19	25.38	3	Horizontal	108	1.80	-	28.64	3.79	-	
AV	2.4962G	46.54	54.00	-7.46	14.06	3	Horizontal	108	1.80	-	28.68	3.80	-	

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

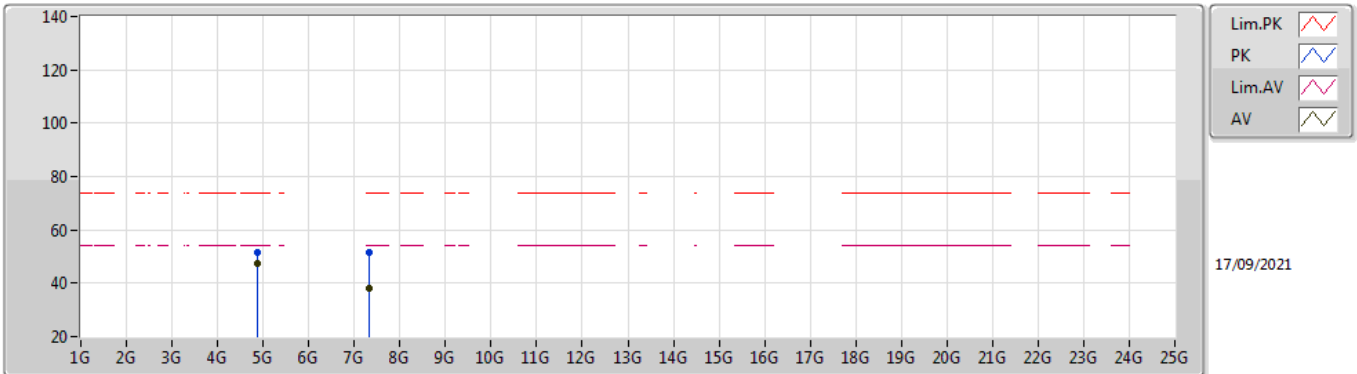


EUT Y_4TX
Setting 26.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87406G	49.08	74.00	-24.92	44.48	3	Vertical	265	2.02	-	33.50	6.50	35.40
AV	4.87394G	41.10	54.00	-12.90	36.50	3	Vertical	265	2.02	-	33.50	6.50	35.40
PK	7.31335G	50.30	74.00	-23.70	40.81	3	Vertical	115	2.52	-	37.00	8.06	35.57
AV	7.30974G	38.36	54.00	-15.64	28.88	3	Vertical	115	2.52	-	37.00	8.05	35.57

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

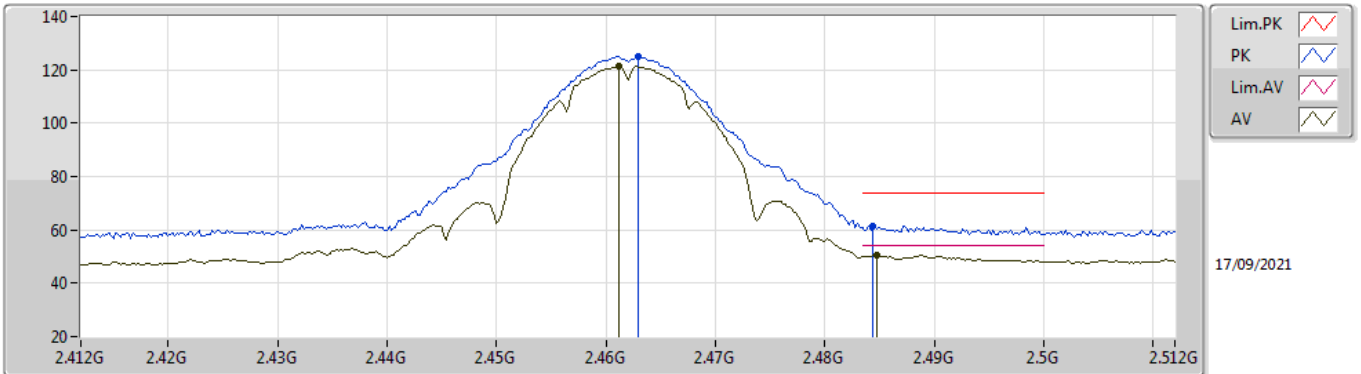


EUT_Y_4TX
Setting 26.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87401G	51.78	74.00	-22.22	47.18	3	Horizontal	284	1.93	-	33.50	6.50	35.40
AV	4.87399G	47.21	54.00	-6.79	42.61	3	Horizontal	284	1.93	-	33.50	6.50	35.40
PK	7.31146G	51.37	74.00	-22.63	41.88	3	Horizontal	349	1.41	-	37.00	8.06	35.57
AV	7.31125G	38.17	54.00	-15.83	28.68	3	Horizontal	349	1.41	-	37.00	8.06	35.57

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

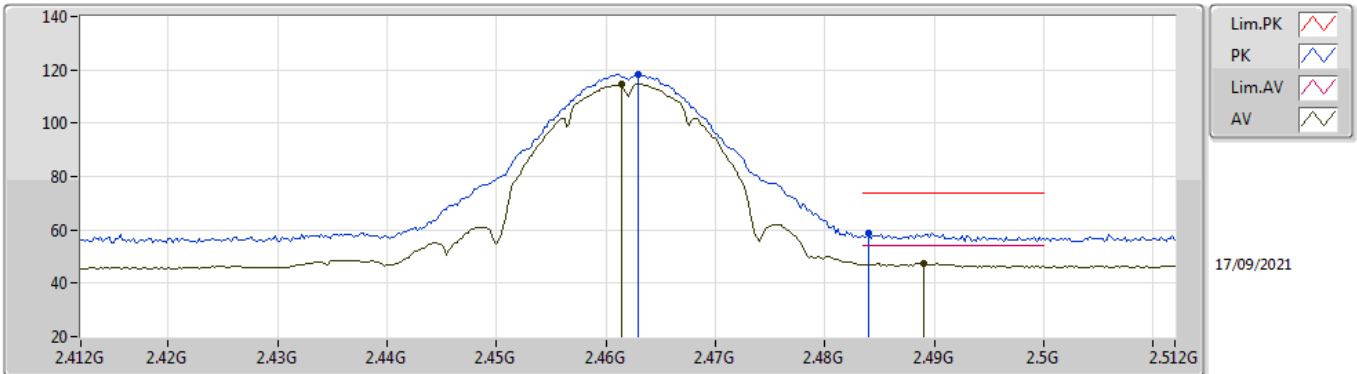


EUT_Y_4TX
Setting 26.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.463G	125.10	Inf	-Inf	92.86	3	Vertical	258	1.55	-	28.48	3.76	-
AV	2.4612G	121.33	Inf	-Inf	89.10	3	Vertical	258	1.55	-	28.47	3.76	-
PK	2.4844G	61.29	74.00	-12.71	28.90	3	Vertical	258	1.55	-	28.61	3.78	-
AV	2.4848G	50.45	54.00	-3.55	18.06	3	Vertical	258	1.55	-	28.61	3.78	-

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

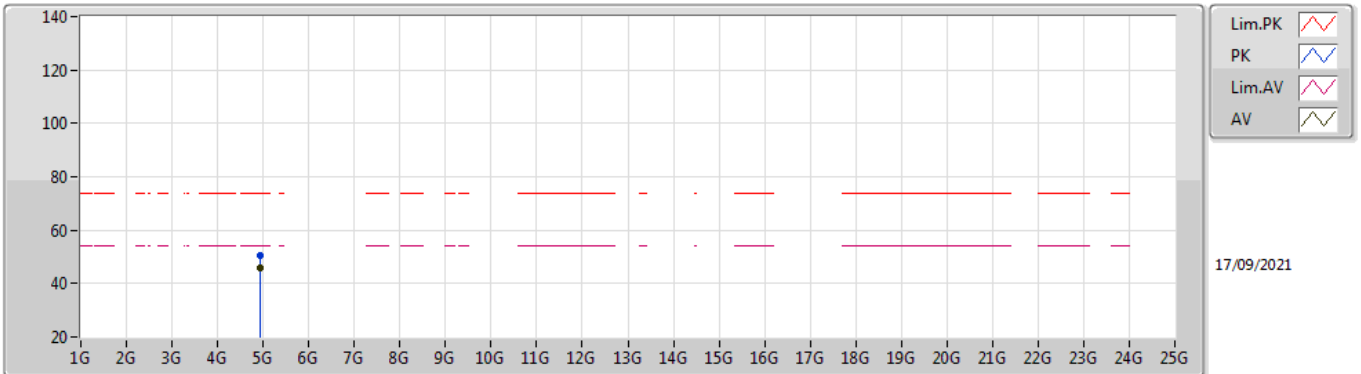


EUT_Y_4TX
Setting 26.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.463G	118.49	Inf	-Inf	86.25	3	Horizontal	114	1.54	-	28.48	3.76	-
AV	2.4614G	114.68	Inf	-Inf	82.45	3	Horizontal	114	1.54	-	28.47	3.76	-
PK	2.484G	59.05	74.00	-14.95	26.67	3	Horizontal	114	1.54	-	28.60	3.78	-
AV	2.489G	47.67	54.00	-6.33	15.25	3	Horizontal	114	1.54	-	28.63	3.79	-

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

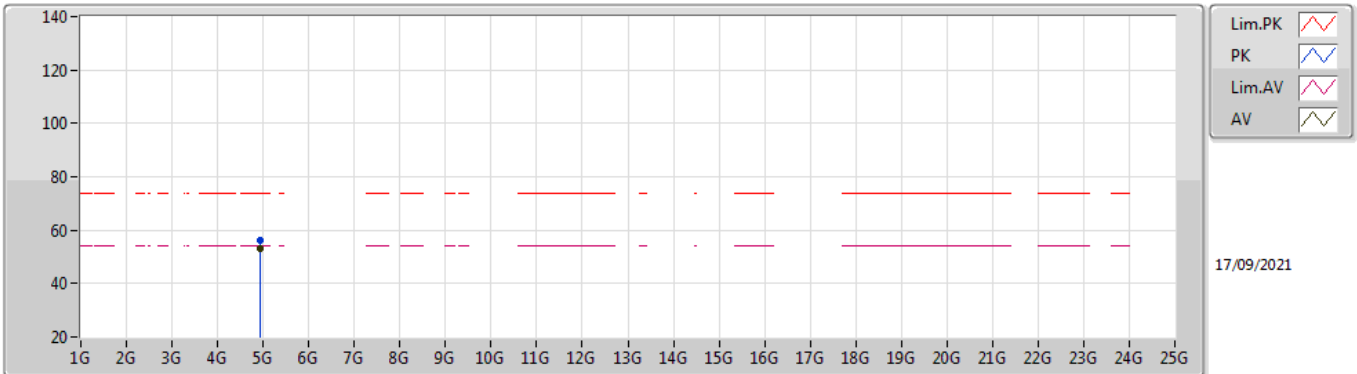


EUT Y_4TX
Setting 26.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92402G	50.75	74.00	-23.25	45.97	3	Vertical	261	2.20	-	33.65	6.50	35.37
AV	4.92391G	45.85	54.00	-8.15	41.07	3	Vertical	261	2.20	-	33.65	6.50	35.37

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

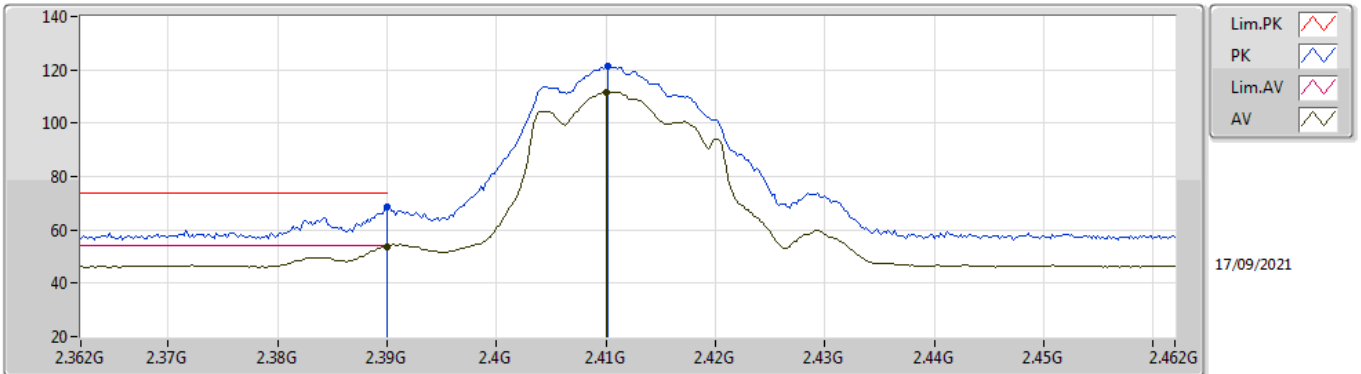


EUT Y_4TX
Setting 26.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92389G	56.05	74.00	-17.95	51.27	3	Horizontal	286	1.80	-	33.65	6.50	35.37
AV	4.92392G	52.95	54.00	-1.05	48.17	3	Horizontal	286	1.80	-	33.65	6.50	35.37

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

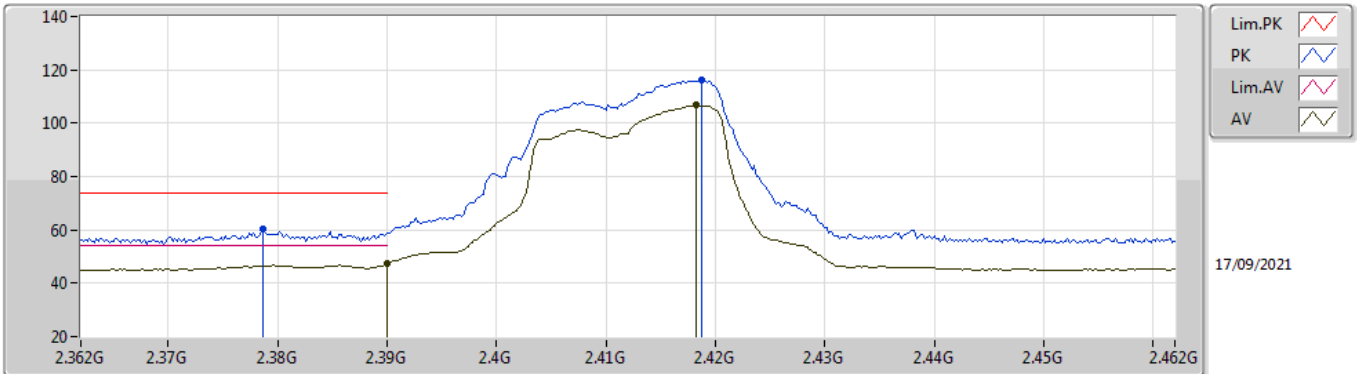


EUT Y_4TX
Setting 22
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	68.39	74.00	-5.61	36.37	3	Vertical	275	1.86	-	28.32	3.70	-
AV	2.39G	53.82	54.00	-0.18	21.80	3	Vertical	275	1.86	-	28.32	3.70	-
PK	2.4102G	121.36	Inf	-Inf	89.33	3	Vertical	275	1.86	-	28.32	3.71	-
AV	2.41G	111.74	Inf	-Inf	79.71	3	Vertical	275	1.86	-	28.32	3.71	-

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

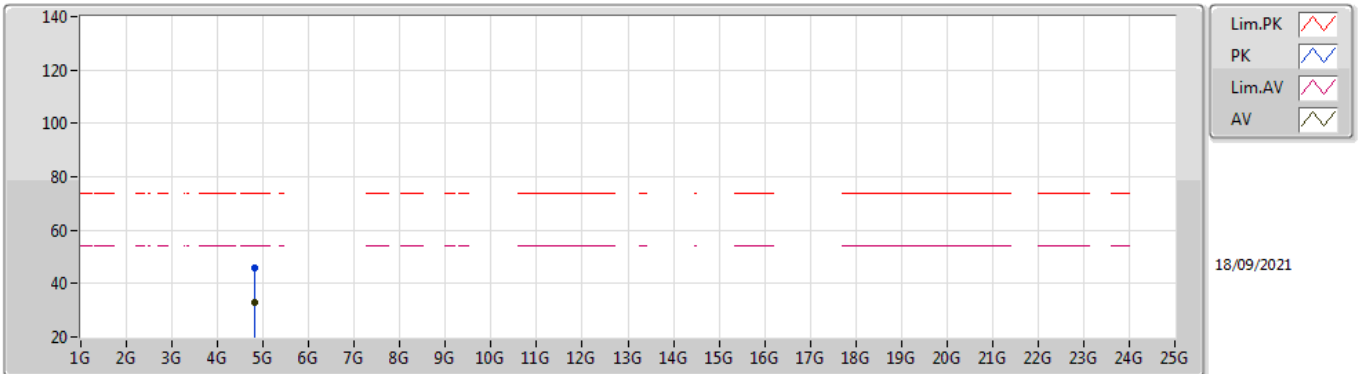


EUT_Y_4TX
Setting 22
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3786G	60.35	74.00	-13.65	28.32	3	Horizontal	133	2.08	-	28.34	3.69	-
AV	2.39G	47.32	54.00	-6.68	15.30	3	Horizontal	133	2.08	-	28.32	3.70	-
PK	2.4188G	116.02	Inf	-Inf	83.96	3	Horizontal	133	2.08	-	28.34	3.72	-
AV	2.4182G	106.64	Inf	-Inf	74.58	3	Horizontal	133	2.08	-	28.34	3.72	-

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

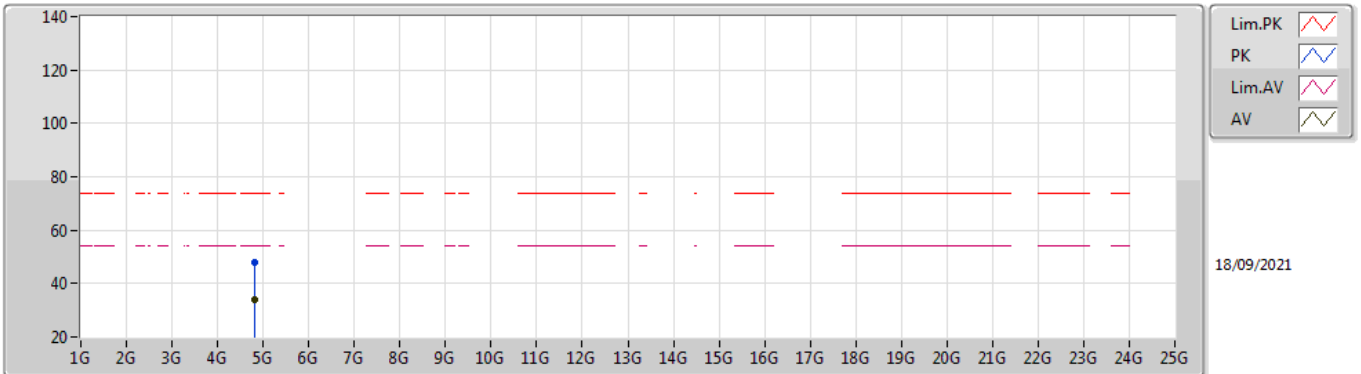


EUT Y_4TX
Setting 22
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82498G	46.09	74.00	-27.91	41.61	3	Vertical	238	1.00	-	33.40	6.50	35.42
AV	4.82333G	32.93	54.00	-21.07	28.45	3	Vertical	238	1.00	-	33.40	6.50	35.42

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

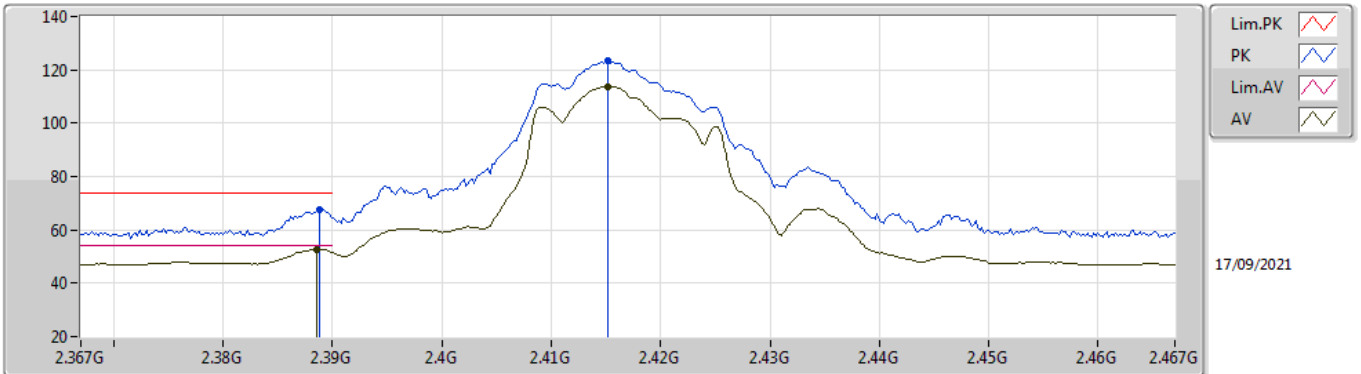


EUT Y_4TX
Setting 22
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8252G	47.70	74.00	-26.30	43.22	3	Horizontal	286	1.78	-	33.40	6.50	35.42
AV	4.82419G	34.21	54.00	-19.79	29.73	3	Horizontal	286	1.78	-	33.40	6.50	35.42

802.11g_Nss1,(6Mbps)_4TX

2417MHz_TX

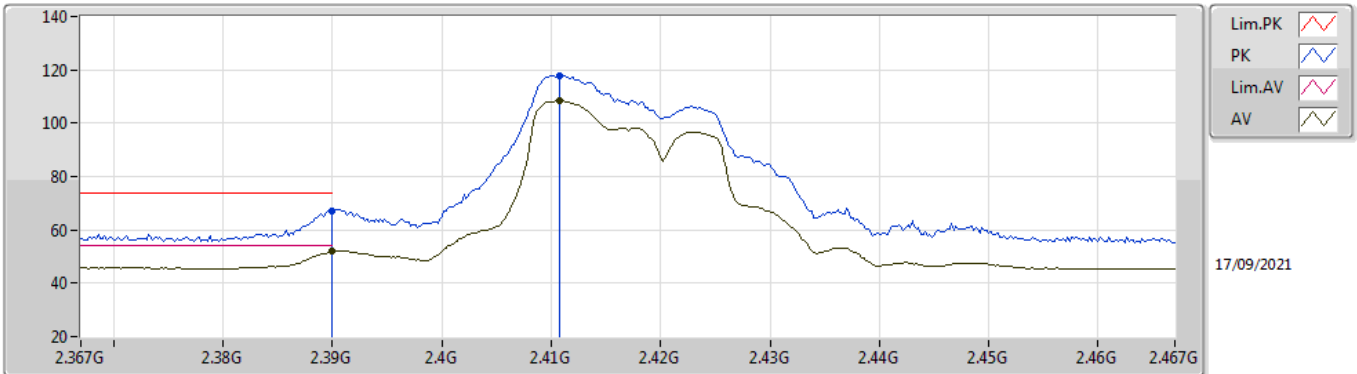


EUT Y_4TX
Setting 23.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3888G	67.65	74.00	-6.35	35.64	3	Vertical	277	1.88	-	28.32	3.69	-
AV	2.3886G	52.68	54.00	-1.32	20.67	3	Vertical	277	1.88	-	28.32	3.69	-
PK	2.4152G	123.19	Inf	-Inf	91.14	3	Vertical	277	1.88	-	28.33	3.72	-
AV	2.4152G	113.74	Inf	-Inf	81.69	3	Vertical	277	1.88	-	28.33	3.72	-

802.11g_Nss1,(6Mbps)_4TX

2417MHz_TX

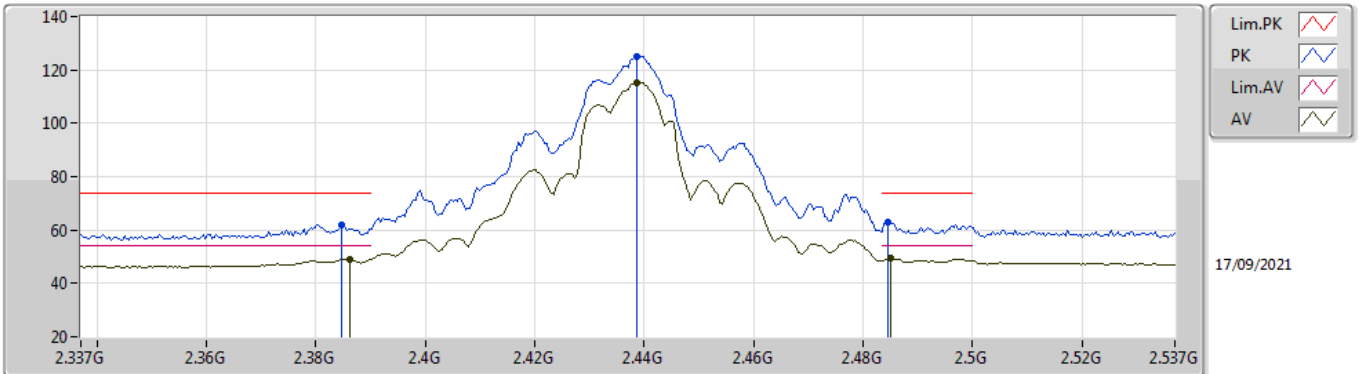


EUT_Y_4TX
Setting 23.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	66.91	74.00	-7.09	34.89	3	Horizontal	238	1.90	-	28.32	3.70	-
AV	2.39G	51.87	54.00	-2.13	19.85	3	Horizontal	238	1.90	-	28.32	3.70	-
PK	2.4108G	117.99	Inf	-Inf	85.96	3	Horizontal	238	1.90	-	28.32	3.71	-
AV	2.4108G	108.40	Inf	-Inf	76.37	3	Horizontal	238	1.90	-	28.32	3.71	-

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

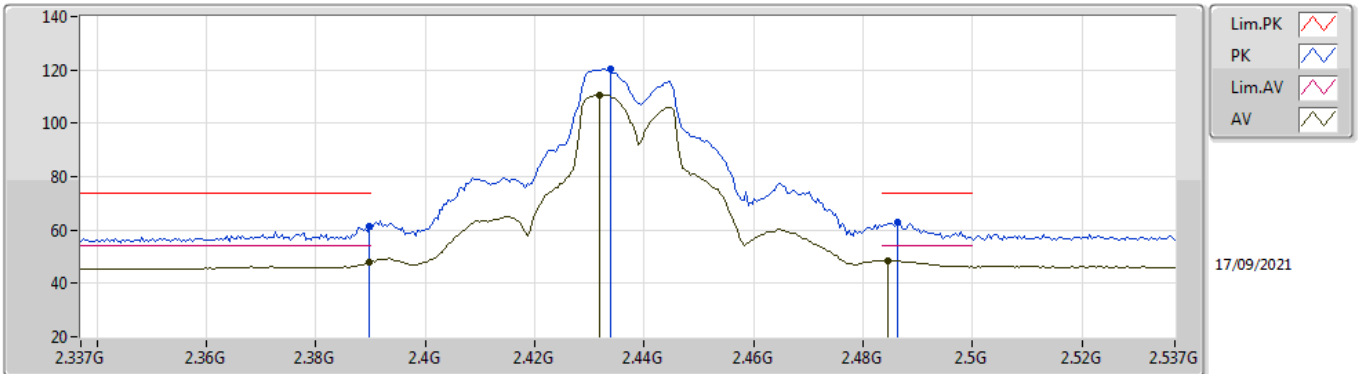


EUT_Y_4TX
Setting 26.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3846G	62.01	74.00	-11.99	29.99	3	Vertical	248	1.92	-	28.33	3.69	-	
AV	2.3862G	49.10	54.00	-4.90	17.08	3	Vertical	248	1.92	-	28.33	3.69	-	
PK	2.4386G	125.09	Inf	-Inf	92.97	3	Vertical	248	1.92	-	28.38	3.74	-	
AV	2.4386G	115.32	Inf	-Inf	83.20	3	Vertical	248	1.92	-	28.38	3.74	-	
PK	2.4846G	62.94	74.00	-11.06	30.55	3	Vertical	248	1.92	-	28.61	3.78	-	
AV	2.485G	49.45	54.00	-4.55	17.05	3	Vertical	248	1.92	-	28.61	3.79	-	

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

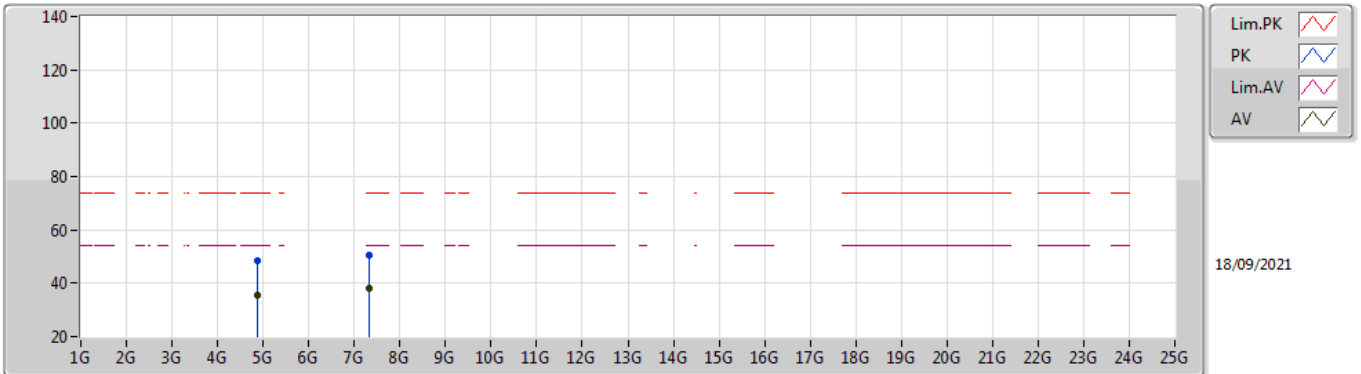


EUT_Y_4TX
Setting 26.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	61.22	74.00	-12.78	29.21	3	Horizontal	269	1.78	-	28.32	3.69	-
AV	2.3898G	48.03	54.00	-5.97	16.02	3	Horizontal	269	1.78	-	28.32	3.69	-
PK	2.4338G	120.41	Inf	-Inf	88.31	3	Horizontal	269	1.78	-	28.37	3.73	-
AV	2.4318G	110.69	Inf	-Inf	78.60	3	Horizontal	269	1.78	-	28.36	3.73	-
PK	2.4862G	63.17	74.00	-10.83	30.76	3	Horizontal	269	1.78	-	28.62	3.79	-
AV	2.4846G	48.54	54.00	-5.46	16.15	3	Horizontal	269	1.78	-	28.61	3.78	-

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

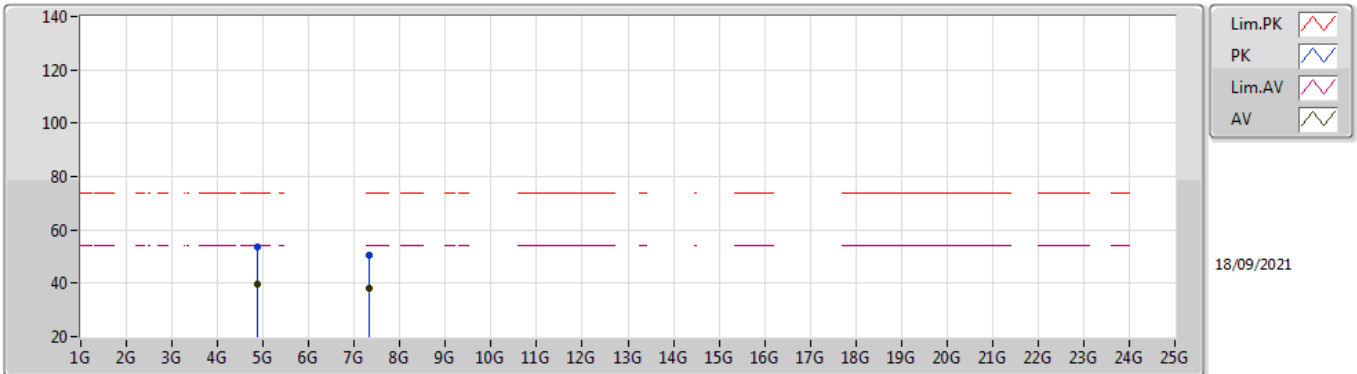


EUT_Y_4TX
Setting 26.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8702G	48.49	74.00	-25.51	43.91	3	Vertical	261	2.39	-	33.48	6.50	35.40
AV	4.87612G	35.55	54.00	-18.45	30.94	3	Vertical	261	2.39	-	33.50	6.50	35.39
PK	7.312G	50.60	74.00	-23.40	41.11	3	Vertical	215	1.94	-	37.00	8.06	35.57
AV	7.32084G	38.12	54.00	-15.88	28.63	3	Vertical	215	1.94	-	37.00	8.06	35.57

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

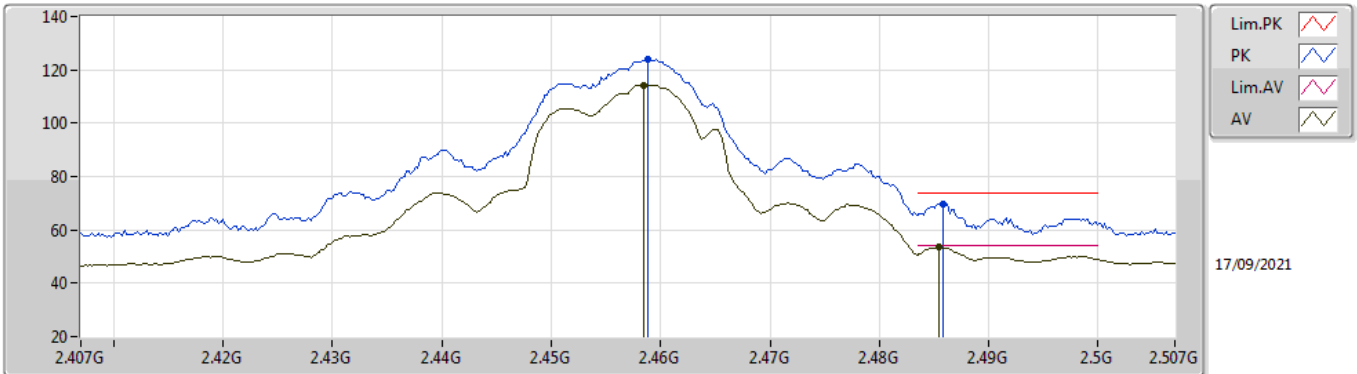


EUT_Y_4TX
Setting 26.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8762G	53.58	74.00	-20.42	48.97	3	Horizontal	280	2.28	-	33.50	6.50	35.39
AV	4.87588G	39.89	54.00	-14.11	35.28	3	Horizontal	280	2.28	-	33.50	6.50	35.39
PK	7.31804G	50.45	74.00	-23.55	40.96	3	Horizontal	25	2.22	-	37.00	8.06	35.57
AV	7.3176G	37.99	54.00	-16.01	28.50	3	Horizontal	25	2.22	-	37.00	8.06	35.57

802.11g_Nss1,(6Mbps)_4TX

2457MHz_TX

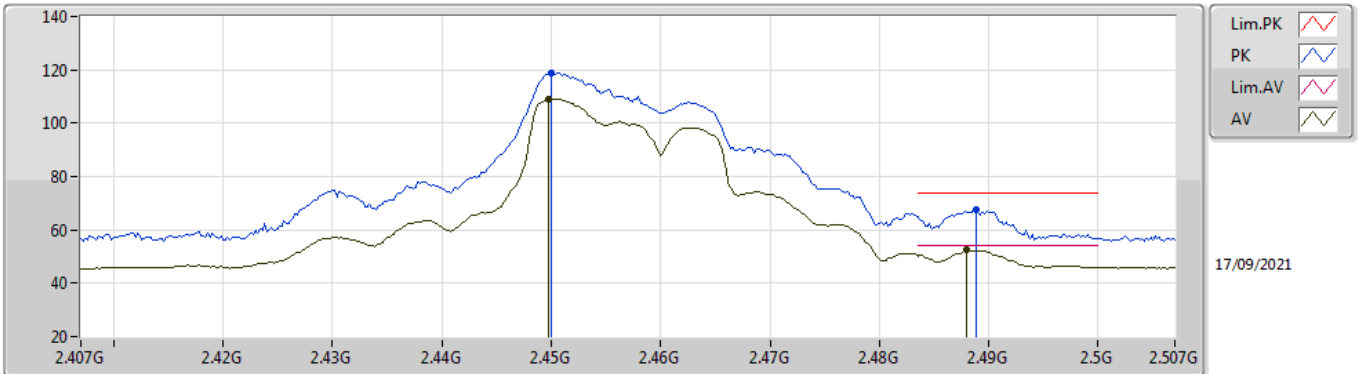


EUT_Y_4TX
Setting 24.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.4588G	123.82	Inf	-Inf	91.61	3	Vertical	248	1.80	-	28.45	3.76	-	
AV	2.4584G	114.30	Inf	-Inf	82.09	3	Vertical	248	1.80	-	28.45	3.76	-	
PK	2.4858G	69.74	74.00	-4.26	37.34	3	Vertical	248	1.80	-	28.61	3.79	-	
AV	2.4854G	53.75	54.00	-0.25	21.35	3	Vertical	248	1.80	-	28.61	3.79	-	

802.11g_Nss1,(6Mbps)_4TX

2457MHz_TX

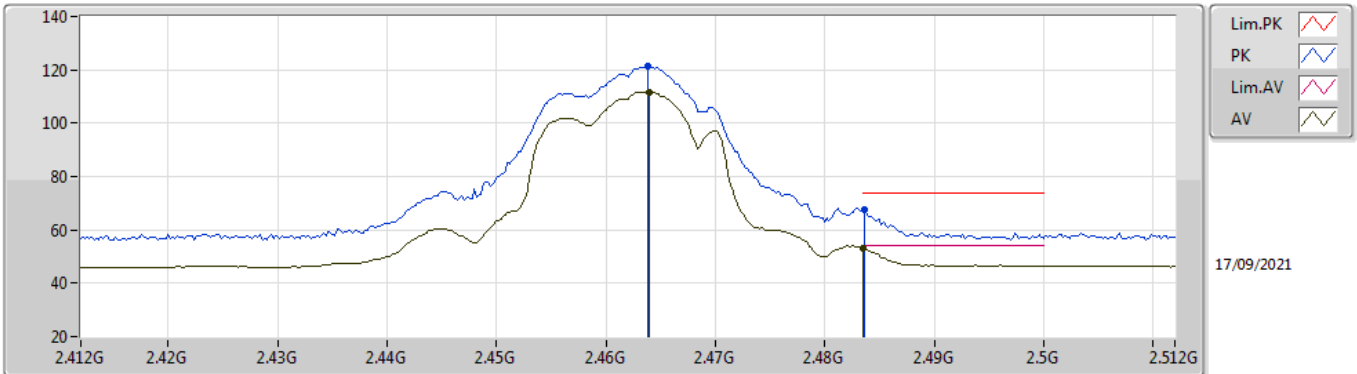


EUT_Y_4TX
Setting 24.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.45G	118.83	Inf	-Inf	86.68	3	Horizontal	232	1.91	-	28.40	3.75	-
AV	2.4498G	109.15	Inf	-Inf	77.00	3	Horizontal	232	1.91	-	28.40	3.75	-
PK	2.4888G	67.49	74.00	-6.51	35.07	3	Horizontal	232	1.91	-	28.63	3.79	-
AV	2.488G	52.40	54.00	-1.60	19.98	3	Horizontal	232	1.91	-	28.63	3.79	-

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

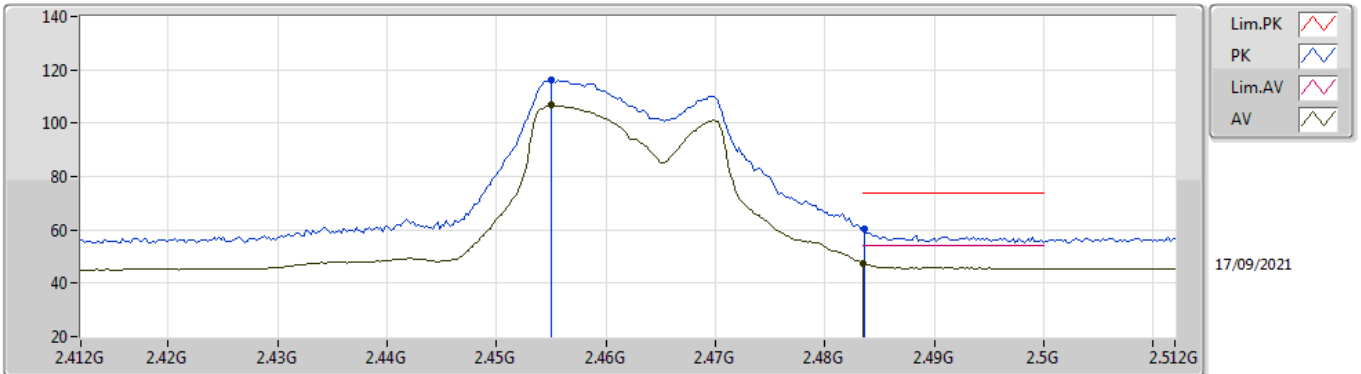


EUT_Y_4TX
Setting 22
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.4638G	121.35	Inf	-Inf	89.11	3	Vertical	250	1.86	-	28.48	3.76	-	
AV	2.464G	111.75	Inf	-Inf	79.51	3	Vertical	250	1.86	-	28.48	3.76	-	
PK	2.4836G	67.33	74.00	-6.67	34.95	3	Vertical	250	1.86	-	28.60	3.78	-	
AV	2.4835G	53.12	54.00	-0.88	20.74	3	Vertical	250	1.86	-	28.60	3.78	-	

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

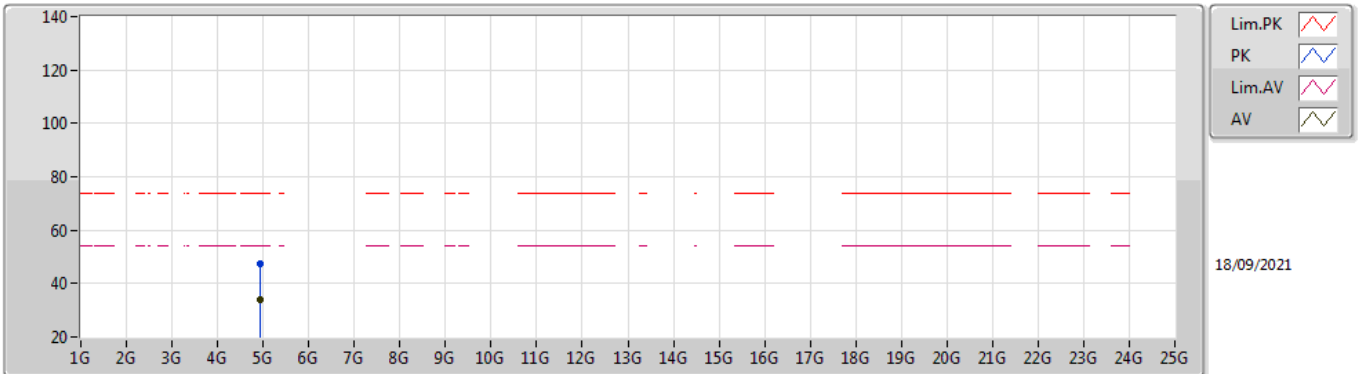


EUT_Y_4TX
Setting 22
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.455G	116.19	Inf	-Inf	84.00	3	Horizontal	249	3.00	-	28.43	3.76	-	
AV	2.455G	106.67	Inf	-Inf	74.48	3	Horizontal	249	3.00	-	28.43	3.76	-	
PK	2.4836G	60.31	74.00	-13.69	27.93	3	Horizontal	249	3.00	-	28.60	3.78	-	
AV	2.4835G	47.62	54.00	-6.38	15.24	3	Horizontal	249	3.00	-	28.60	3.78	-	

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

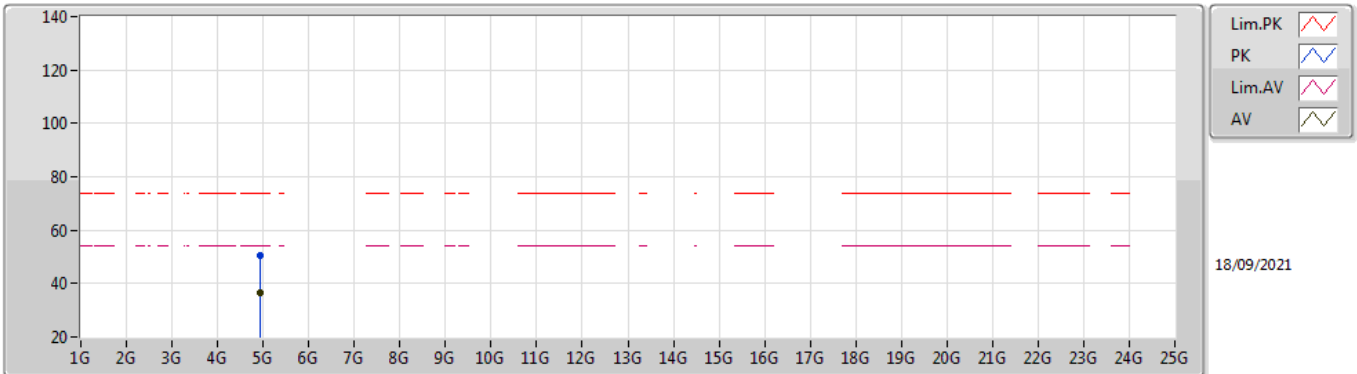


EUT Y_4TX
Setting 22
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.93028G	47.50	74.00	-26.50	42.71	3	Vertical	265	2.18	-	33.66	6.50	35.37
AV	4.92612G	33.91	54.00	-20.09	29.13	3	Vertical	265	2.18	-	33.65	6.50	35.37

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

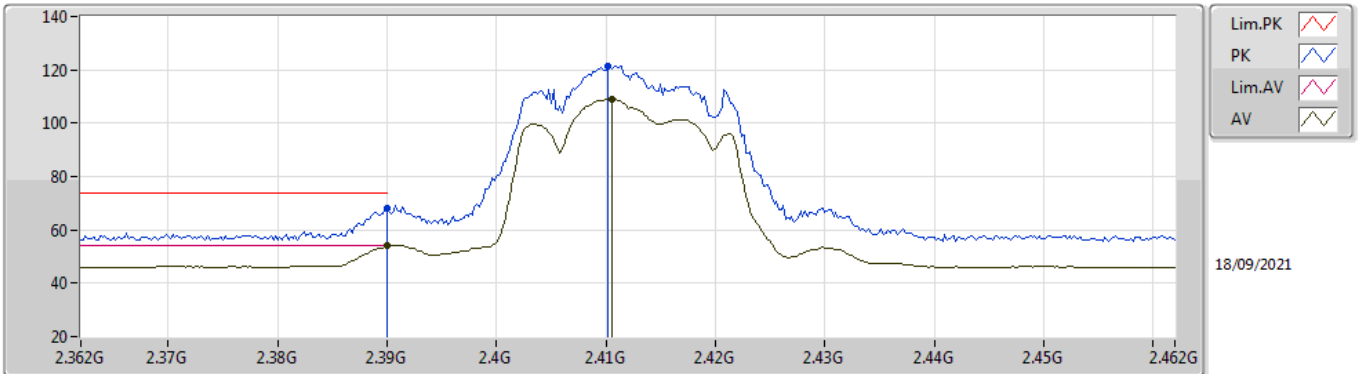


EUT Y_4TX
Setting 22
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92632G	50.49	74.00	-23.51	45.71	3	Horizontal	281	1.80	-	33.65	6.50	35.37
AV	4.92424G	36.43	54.00	-17.57	31.65	3	Horizontal	281	1.80	-	33.65	6.50	35.37

802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz_TX

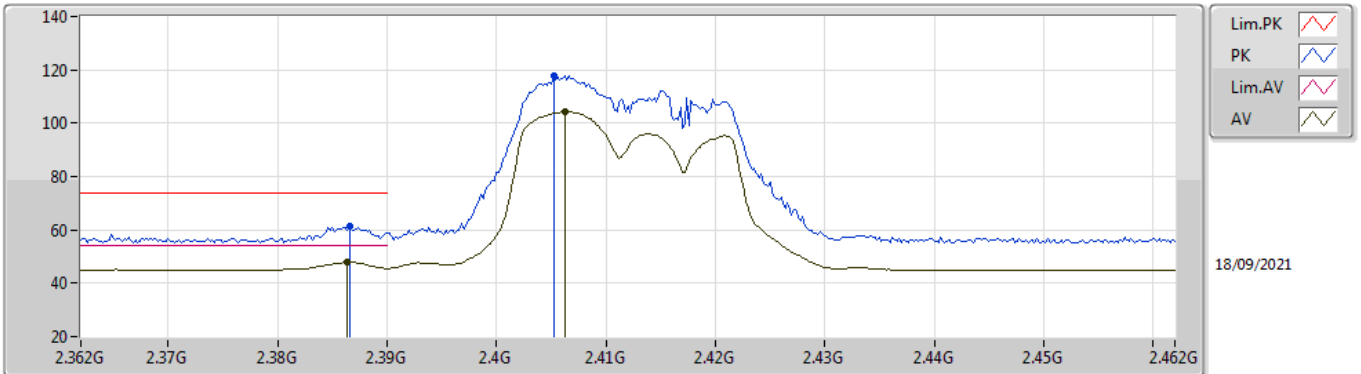


EUT Y_4TX
Setting 19.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	67.86	74.00	-6.14	35.84	3	Vertical	276	1.88	-	28.32	3.70	-
AV	2.39G	53.98	54.00	-0.02	21.96	3	Vertical	276	1.88	-	28.32	3.70	-
PK	2.4102G	121.57	Inf	-Inf	89.54	3	Vertical	276	1.88	-	28.32	3.71	-
AV	2.4106G	108.92	Inf	-Inf	76.89	3	Vertical	276	1.88	-	28.32	3.71	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz_TX

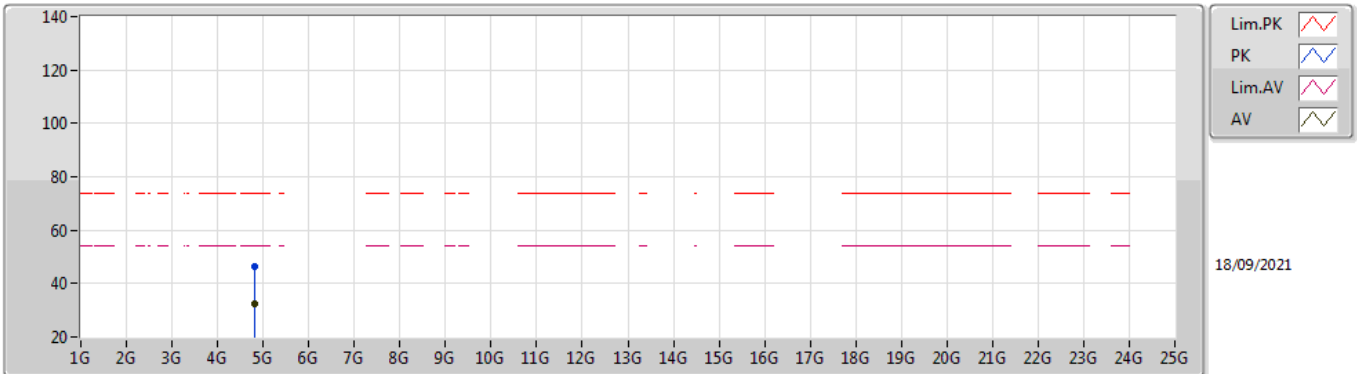


EUT Y_4TX
Setting 19.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3866G	61.19	74.00	-12.81	29.17	3	Horizontal	144	2.82	-	28.33	3.69	-
AV	2.3864G	47.83	54.00	-6.17	15.81	3	Horizontal	144	2.82	-	28.33	3.69	-
PK	2.4052G	117.77	Inf	-Inf	85.75	3	Horizontal	144	2.82	-	28.31	3.71	-
AV	2.4062G	104.34	Inf	-Inf	72.32	3	Horizontal	144	2.82	-	28.31	3.71	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz_TX

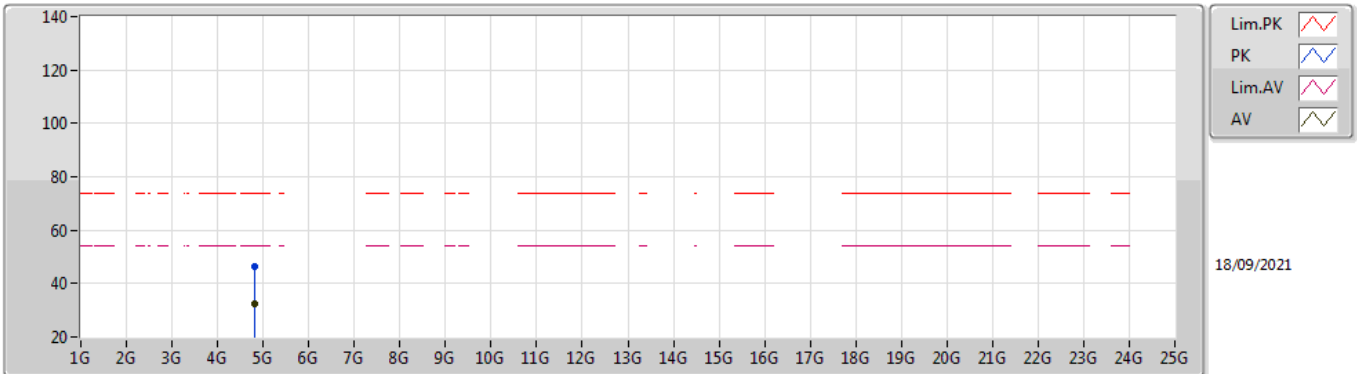


EUT Y_4TX
Setting 19.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82024G	46.20	74.00	-27.80	41.72	3	Vertical	344	2.39	-	33.40	6.50	35.42
AV	4.82308G	32.45	54.00	-21.55	27.97	3	Vertical	344	2.39	-	33.40	6.50	35.42

802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz_TX

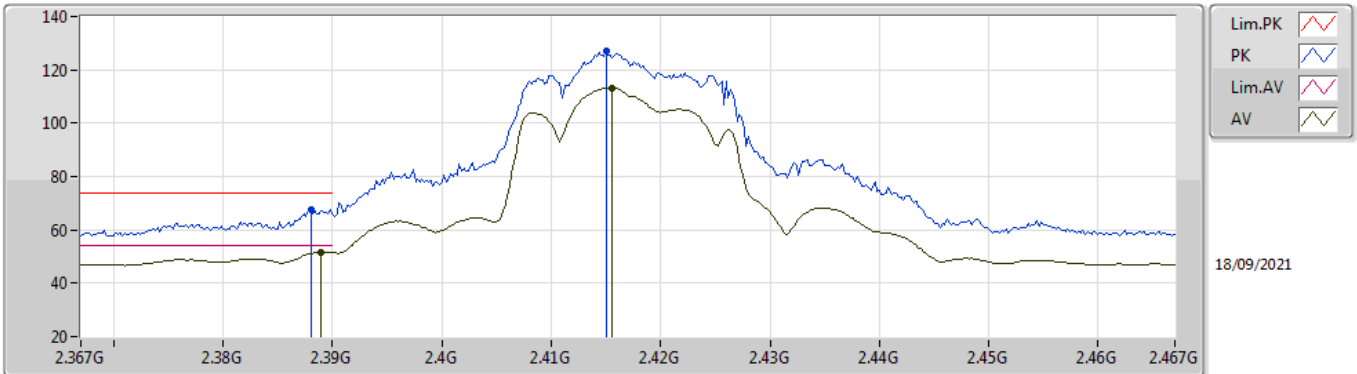


EUT Y_4TX
Setting 19.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.81884G	46.45	74.00	-27.55	41.97	3	Horizontal	223	1.22	-	33.40	6.50	35.42
AV	4.814G	32.45	54.00	-21.55	27.98	3	Horizontal	223	1.22	-	33.40	6.50	35.43

802.11ax HEW20_Nss1,(MCS0)_4TX

2417MHz_TX

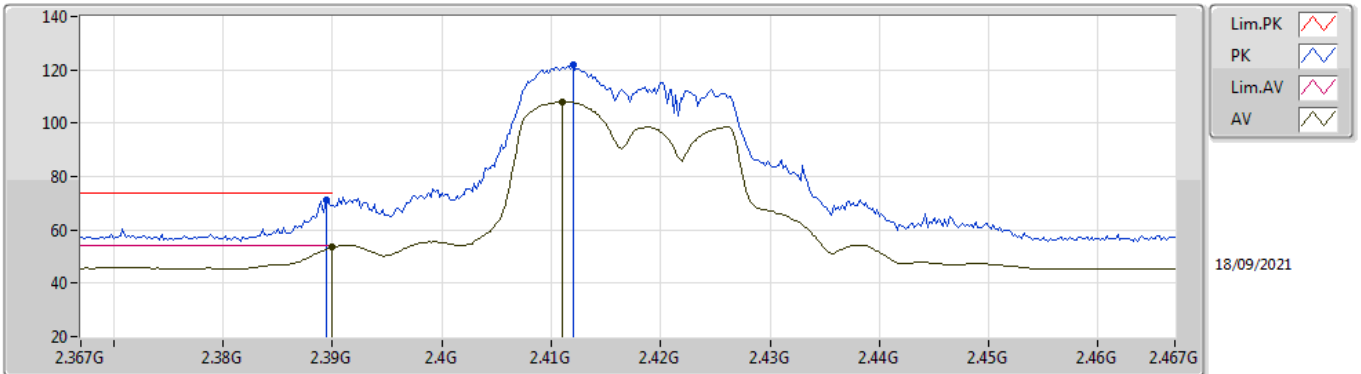


EUT Y_4TX
Setting 23.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.388G	67.37	74.00	-6.63	35.36	3	Vertical	274	1.87	-	28.32	3.69	-	
AV	2.389G	51.56	54.00	-2.44	19.55	3	Vertical	274	1.87	-	28.32	3.69	-	
PK	2.415G	127.02	Inf	-Inf	94.98	3	Vertical	274	1.87	-	28.33	3.71	-	
AV	2.4156G	113.13	Inf	-Inf	81.08	3	Vertical	274	1.87	-	28.33	3.72	-	

802.11ax HEW20_Nss1,(MCS0)_4TX

2417MHz_TX

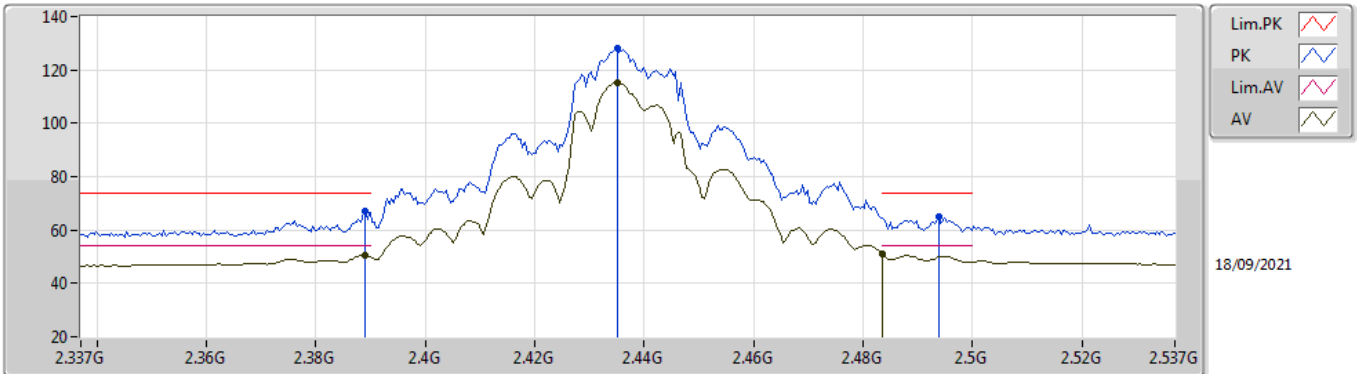


EUT Y_4TX
Setting 23.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3894G	71.03	74.00	-2.97	39.02	3	Horizontal	143	2.83	-	28.32	3.69	-	
AV	2.39G	53.58	54.00	-0.42	21.56	3	Horizontal	143	2.83	-	28.32	3.70	-	
PK	2.412G	122.09	Inf	-Inf	90.06	3	Horizontal	143	2.83	-	28.32	3.71	-	
AV	2.411G	108.00	Inf	-Inf	75.97	3	Horizontal	143	2.83	-	28.32	3.71	-	

802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX

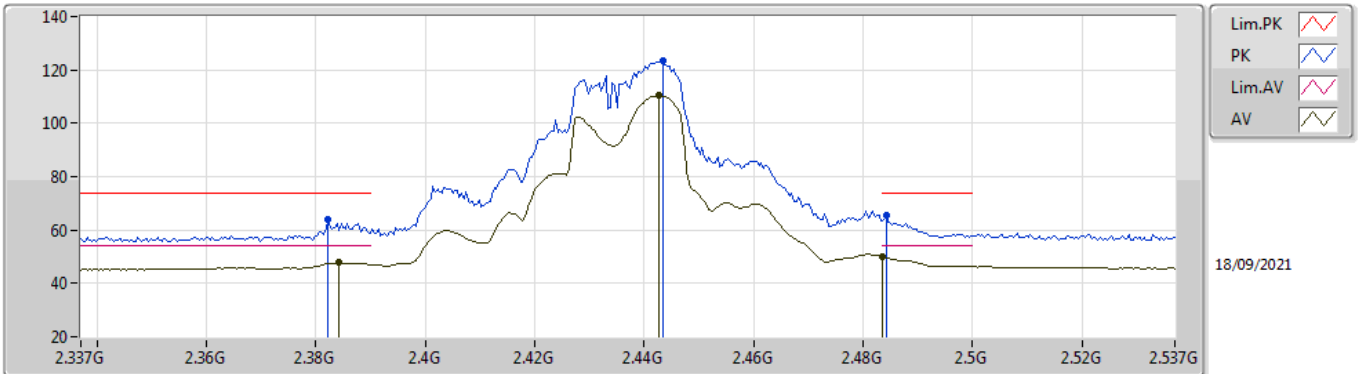


EUT_Y_4TX
Setting 26.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.389G	67.04	74.00	-6.96	35.03	3	Vertical	276	1.63	-	28.32	3.69	-
AV	2.389G	50.73	54.00	-3.27	18.72	3	Vertical	276	1.63	-	28.32	3.69	-
PK	2.435G	127.86	Inf	-Inf	95.75	3	Vertical	276	1.63	-	28.37	3.74	-
AV	2.435G	115.12	Inf	-Inf	83.01	3	Vertical	276	1.63	-	28.37	3.74	-
PK	2.4938G	65.21	74.00	-8.79	32.76	3	Vertical	276	1.63	-	28.66	3.79	-
AV	2.4835G	51.28	54.00	-2.72	18.90	3	Vertical	276	1.63	-	28.60	3.78	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX

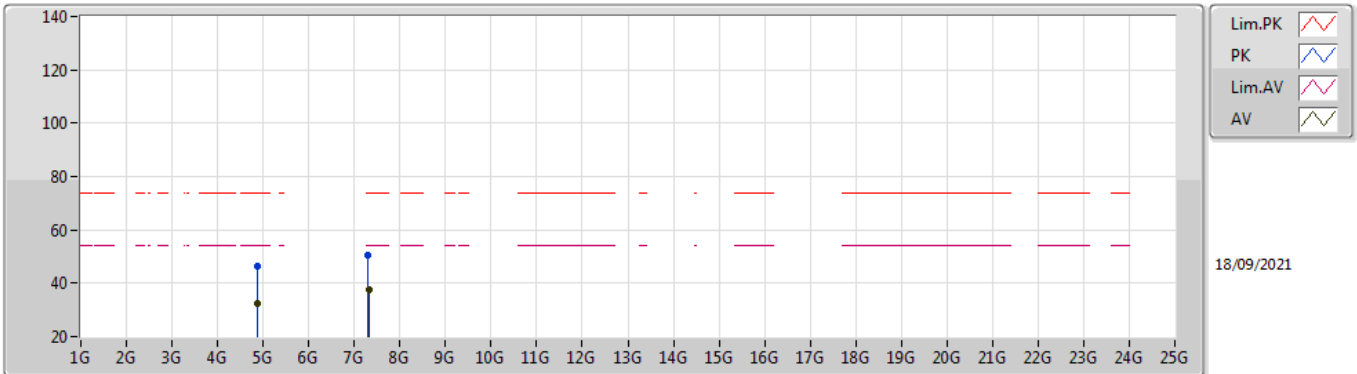


EUT_Y_4TX
Setting 26.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3822G	64.03	74.00	-9.97	32.00	3	Horizontal	250	1.73	-	28.34	3.69	-
AV	2.3842G	47.70	54.00	-6.30	15.68	3	Horizontal	250	1.73	-	28.33	3.69	-
PK	2.4434G	123.32	Inf	-Inf	91.19	3	Horizontal	250	1.73	-	28.39	3.74	-
AV	2.4426G	110.33	Inf	-Inf	78.20	3	Horizontal	250	1.73	-	28.39	3.74	-
PK	2.4842G	65.34	74.00	-8.66	32.95	3	Horizontal	250	1.73	-	28.61	3.78	-
AV	2.4835G	50.20	54.00	-3.80	17.82	3	Horizontal	250	1.73	-	28.60	3.78	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX

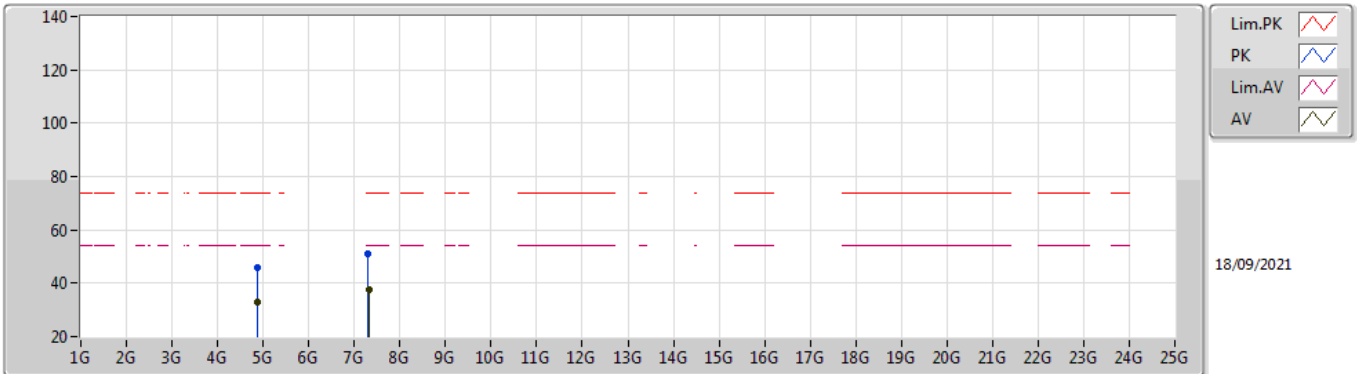


EUT Y_4TX
Setting 26.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87624G	46.15	74.00	-27.85	41.54	3	Vertical	301	1.82	-	33.50	6.50	35.39
AV	4.8762G	32.64	54.00	-21.36	28.03	3	Vertical	301	1.82	-	33.50	6.50	35.39
PK	7.30796G	50.56	74.00	-23.44	41.08	3	Vertical	161	1.57	-	37.00	8.05	35.57
AV	7.31884G	37.44	54.00	-16.56	27.95	3	Vertical	161	1.57	-	37.00	8.06	35.57

802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX

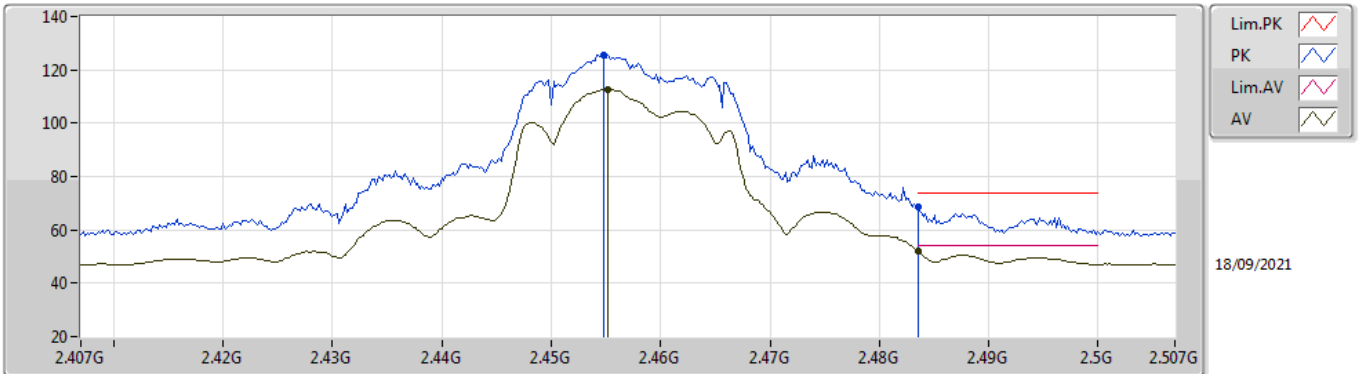


EUT_Y_4TX
Setting 26.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87256G	46.12	74.00	-27.88	41.53	3	Horizontal	60	2.84	-	33.49	6.50	35.40
AV	4.87248G	32.70	54.00	-21.30	28.11	3	Horizontal	60	2.84	-	33.49	6.50	35.40
PK	7.30408G	51.13	74.00	-22.87	41.65	3	Horizontal	94	2.11	-	37.00	8.05	35.57
AV	7.32068G	37.48	54.00	-16.52	27.99	3	Horizontal	94	2.11	-	37.00	8.06	35.57

802.11ax HEW20_Nss1,(MCS0)_4TX

2457MHz_TX

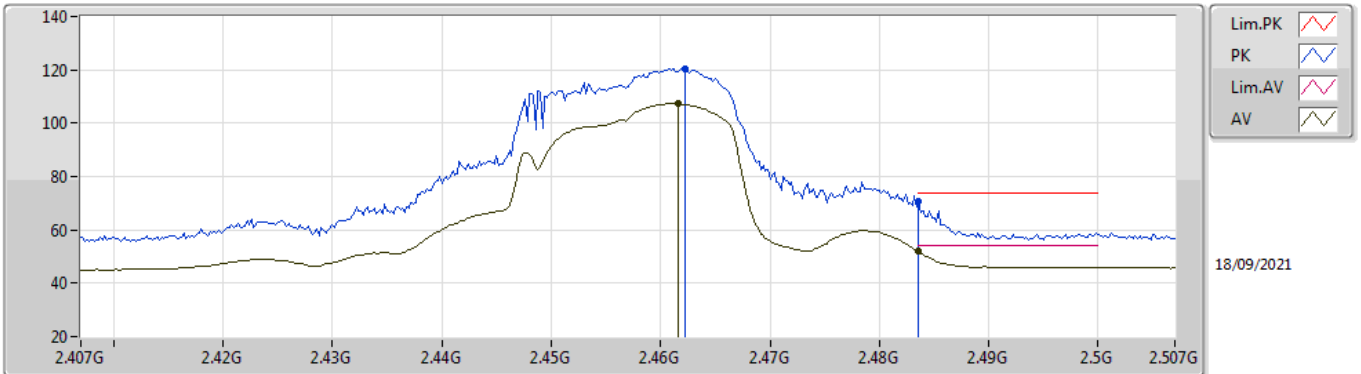


EUT_Y_4TX
Setting 23.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4548G	125.57	Inf	-Inf	93.39	3	Vertical	276	1.53	-	28.43	3.75	-
AV	2.4552G	112.58	Inf	-Inf	80.39	3	Vertical	276	1.53	-	28.43	3.76	-
PK	2.4835G	68.52	74.00	-5.48	36.14	3	Vertical	276	1.53	-	28.60	3.78	-
AV	2.4835G	52.23	54.00	-1.77	19.85	3	Vertical	276	1.53	-	28.60	3.78	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2457MHz_TX

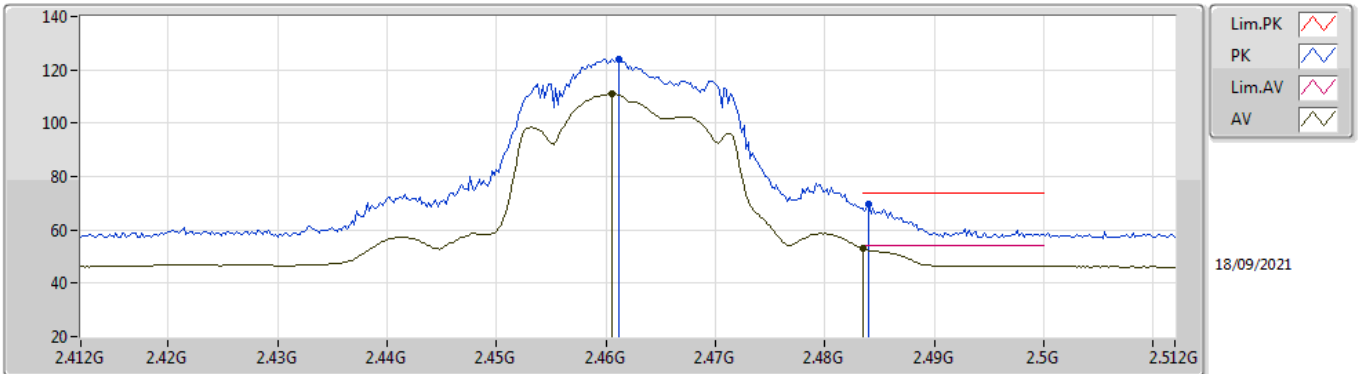


EUT_Y_4TX
Setting 23.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4622G	120.54	Inf	-Inf	88.31	3	Horizontal	81	3.00	-	28.47	3.76	-
AV	2.4616G	107.37	Inf	-Inf	75.14	3	Horizontal	81	3.00	-	28.47	3.76	-
PK	2.4836G	70.85	74.00	-3.15	38.47	3	Horizontal	81	3.00	-	28.60	3.78	-
AV	2.4835G	52.11	54.00	-1.89	19.73	3	Horizontal	81	3.00	-	28.60	3.78	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz_TX

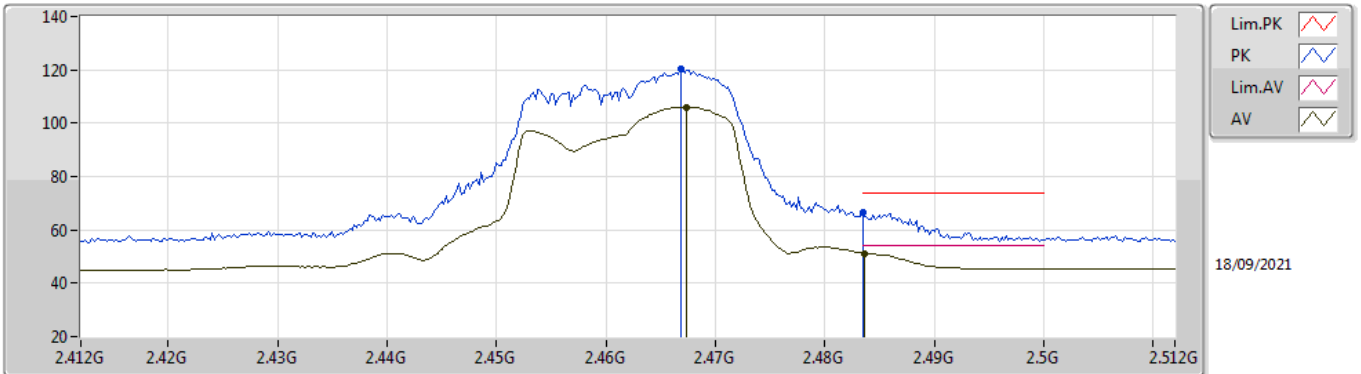


EUT_Y_4TX
Setting 22
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4612G	124.02	Inf	-Inf	91.79	3	Vertical	275	1.85	-	28.47	3.76	-
AV	2.4606G	110.88	Inf	-Inf	78.66	3	Vertical	275	1.85	-	28.46	3.76	-
PK	2.484G	69.45	74.00	-4.55	37.07	3	Vertical	275	1.85	-	28.60	3.78	-
AV	2.4835G	52.97	54.00	-1.03	20.59	3	Vertical	275	1.85	-	28.60	3.78	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz_TX

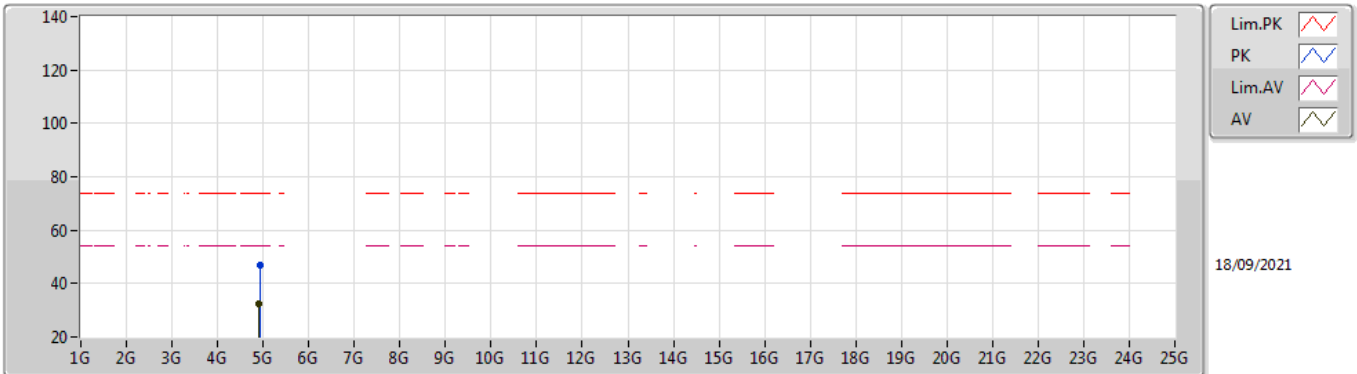


EUT_Y_4TX
Setting 22
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4668G	120.16	Inf	-Inf	87.89	3	Horizontal	245	2.65	-	28.50	3.77	-
AV	2.4674G	106.03	Inf	-Inf	73.76	3	Horizontal	245	2.65	-	28.50	3.77	-
PK	2.4835G	66.55	74.00	-7.45	34.17	3	Horizontal	245	2.65	-	28.60	3.78	-
AV	2.4836G	51.28	54.00	-2.72	18.90	3	Horizontal	245	2.65	-	28.60	3.78	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz_TX

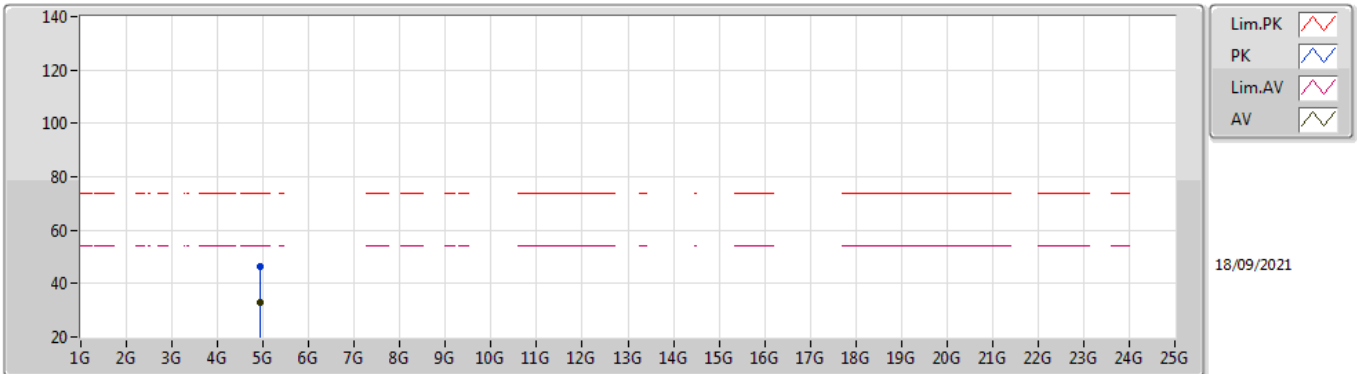


EUT Y_4TX
Setting 22
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92332G	46.74	74.00	-27.26	41.96	3	Vertical	307	2.80	-	33.65	6.50	35.37
AV	4.91732G	32.60	54.00	-21.40	27.84	3	Vertical	307	2.80	-	33.63	6.50	35.37

802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz_TX

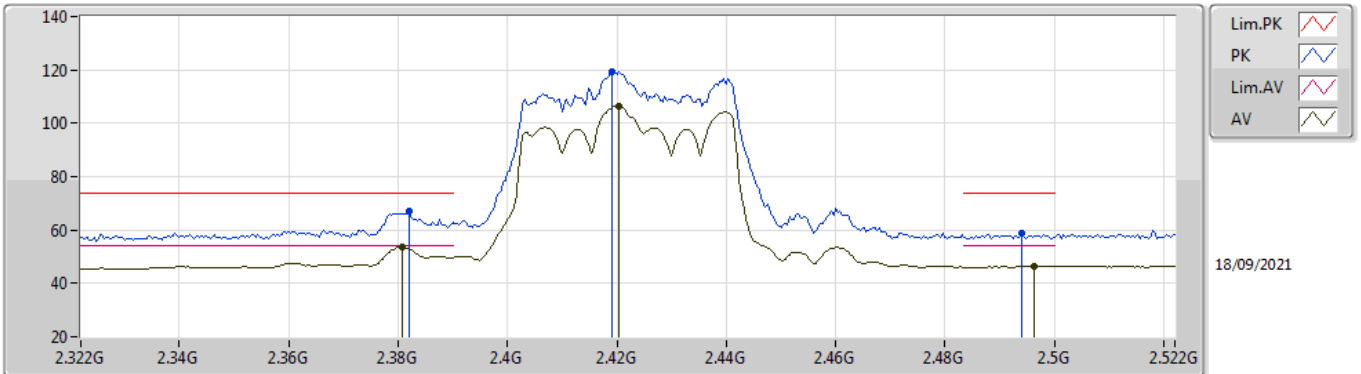


EUT Y_4TX
Setting 22
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.92524G	46.54	74.00	-27.46	41.76	3	Horizontal	175	1.77	-	33.65	6.50	35.37	
AV	4.9232G	32.89	54.00	-21.11	28.11	3	Horizontal	175	1.77	-	33.65	6.50	35.37	

802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz_TX

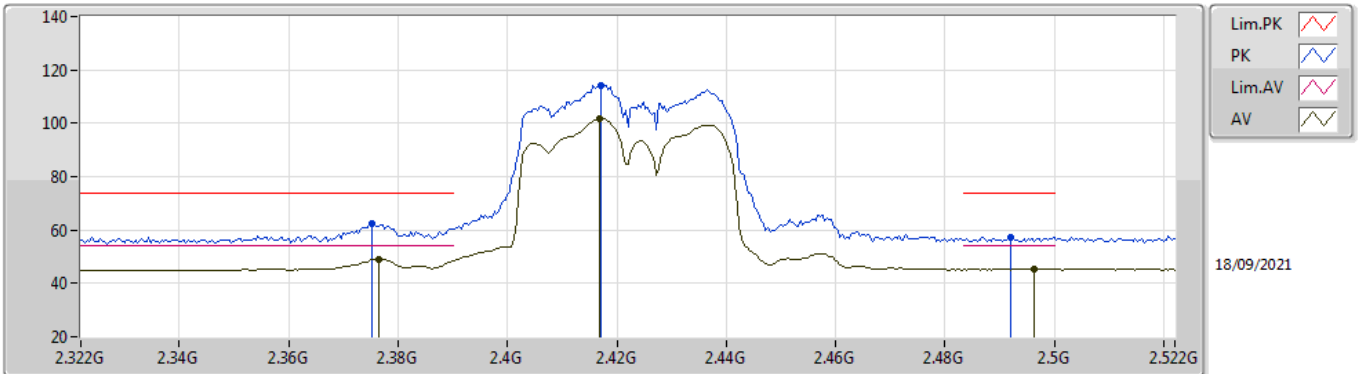


EUT Y_4TX
Setting 19.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.382G	67.20	74.00	-6.80	35.17	3	Vertical	276	1.70	-	28.34	3.69	-
AV	2.3808G	53.54	54.00	-0.46	21.51	3	Vertical	276	1.70	-	28.34	3.69	-
PK	2.4192G	119.45	Inf	-Inf	87.39	3	Vertical	276	1.70	-	28.34	3.72	-
AV	2.4204G	106.37	Inf	-Inf	74.31	3	Vertical	276	1.70	-	28.34	3.72	-
PK	2.494G	58.98	74.00	-15.02	26.53	3	Vertical	276	1.70	-	28.66	3.79	-
AV	2.4964G	46.40	54.00	-7.60	13.92	3	Vertical	276	1.70	-	28.68	3.80	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz_TX

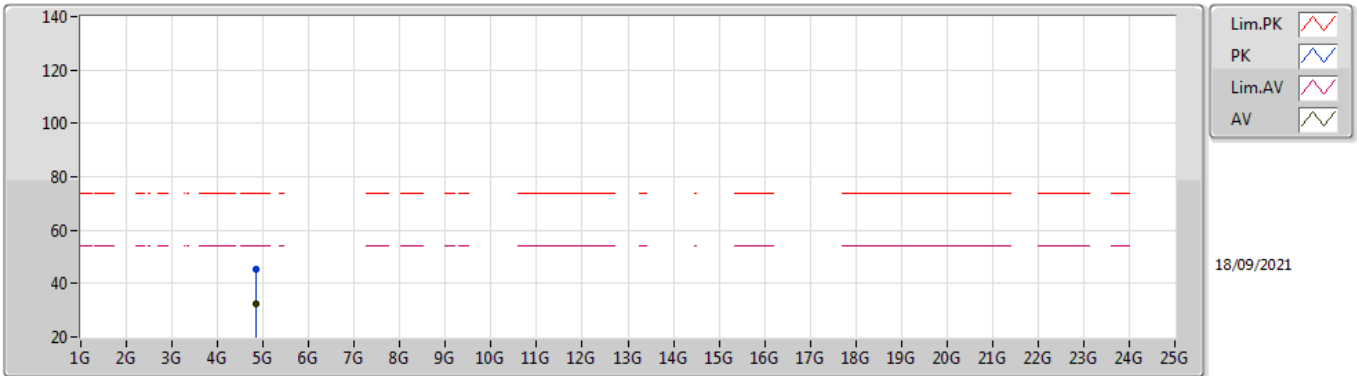


EUT_Y_4TX
Setting 19.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3752G	62.59	74.00	-11.41	30.55	3	Horizontal	145	1.79	-	28.35	3.69	-
AV	2.3764G	49.18	54.00	-4.82	17.14	3	Horizontal	145	1.79	-	28.35	3.69	-
PK	2.4172G	114.37	Inf	-Inf	82.32	3	Horizontal	145	1.79	-	28.33	3.72	-
AV	2.4168G	101.79	Inf	-Inf	69.74	3	Horizontal	145	1.79	-	28.33	3.72	-
PK	2.492G	57.42	74.00	-16.58	24.98	3	Horizontal	145	1.79	-	28.65	3.79	-
AV	2.4964G	45.37	54.00	-8.63	12.89	3	Horizontal	145	1.79	-	28.68	3.80	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz_TX

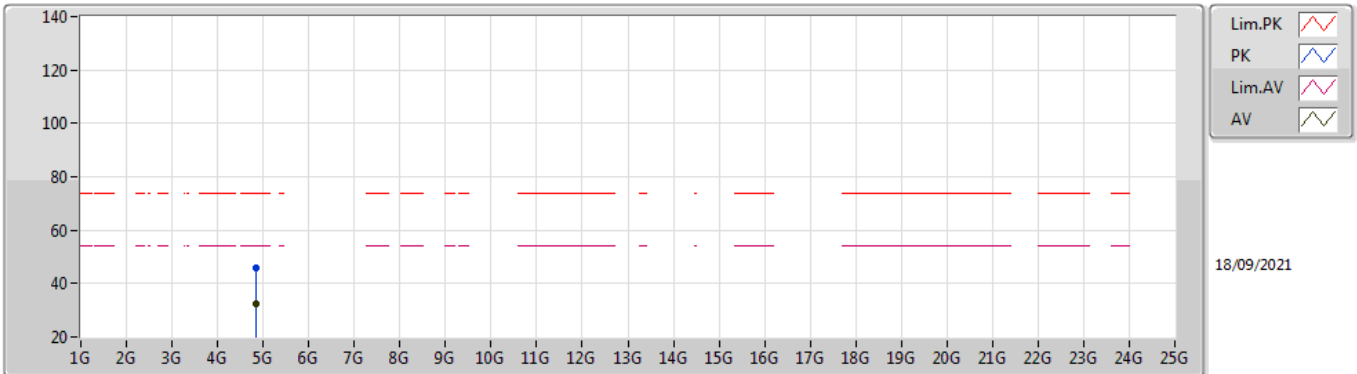


EUT Y_4TX
Setting 19.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.83928G	45.30	74.00	-28.70	40.81	3	Vertical	258	1.38	-	33.40	6.50	35.41
AV	4.834G	32.22	54.00	-21.78	27.74	3	Vertical	258	1.38	-	33.40	6.50	35.42

802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz_TX

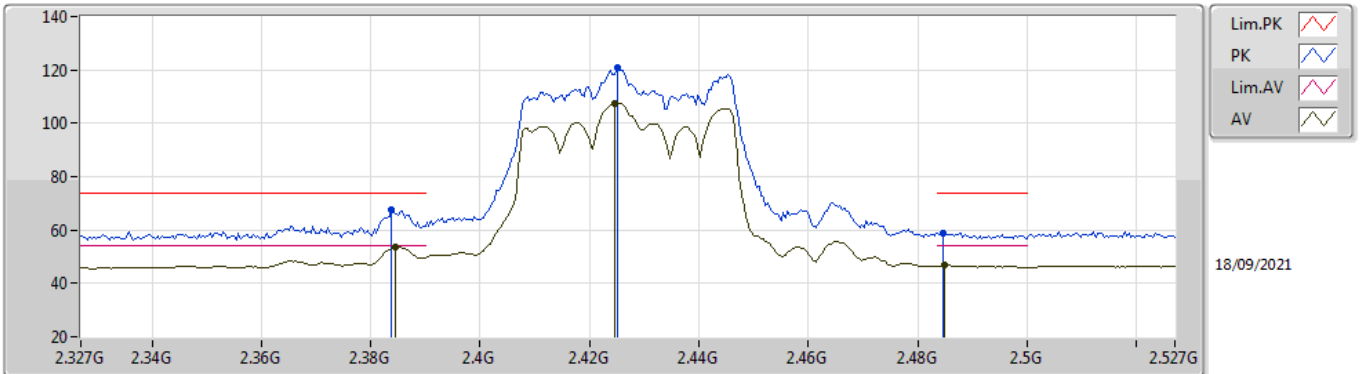


EUT Y_4TX
Setting 19.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.85116G	45.85	74.00	-28.15	41.36	3	Horizontal	68	1.06	-	33.40	6.50	35.41
AV	4.83684G	32.21	54.00	-21.79	27.72	3	Horizontal	68	1.06	-	33.40	6.50	35.41

802.11ax HEW40_Nss1,(MCS0)_4TX

2427MHz_TX

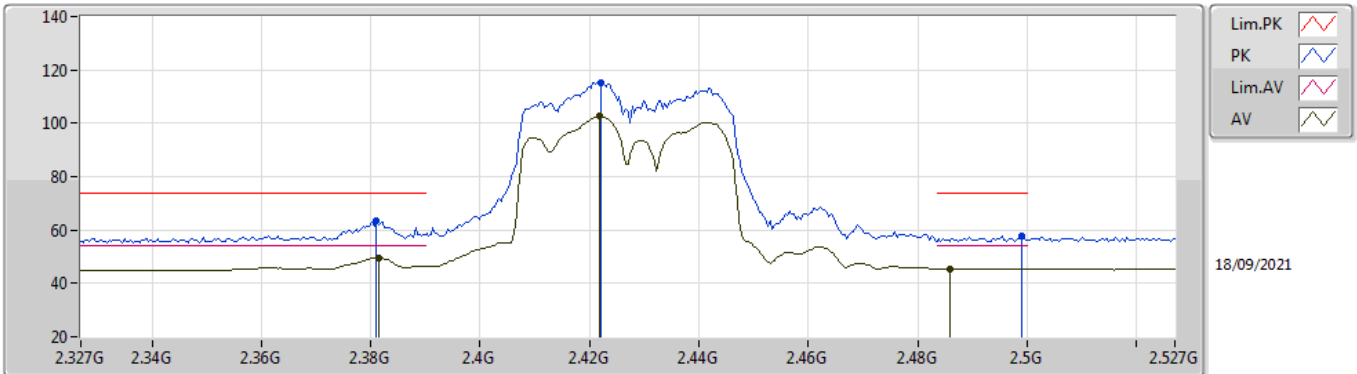


EUT_V_4TX
Setting 20.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3838G	67.50	74.00	-6.50	35.48	3	Vertical	278	1.75	-	28.33	3.69	-
AV	2.3846G	53.58	54.00	-0.42	21.56	3	Vertical	278	1.75	-	28.33	3.69	-
PK	2.425G	121.10	Inf	-Inf	89.02	3	Vertical	278	1.75	-	28.35	3.73	-
AV	2.4246G	107.35	Inf	-Inf	75.28	3	Vertical	278	1.75	-	28.35	3.72	-
PK	2.4846G	58.75	74.00	-15.25	26.36	3	Vertical	278	1.75	-	28.61	3.78	-
AV	2.485G	46.67	54.00	-7.33	14.27	3	Vertical	278	1.75	-	28.61	3.79	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2427MHz_TX

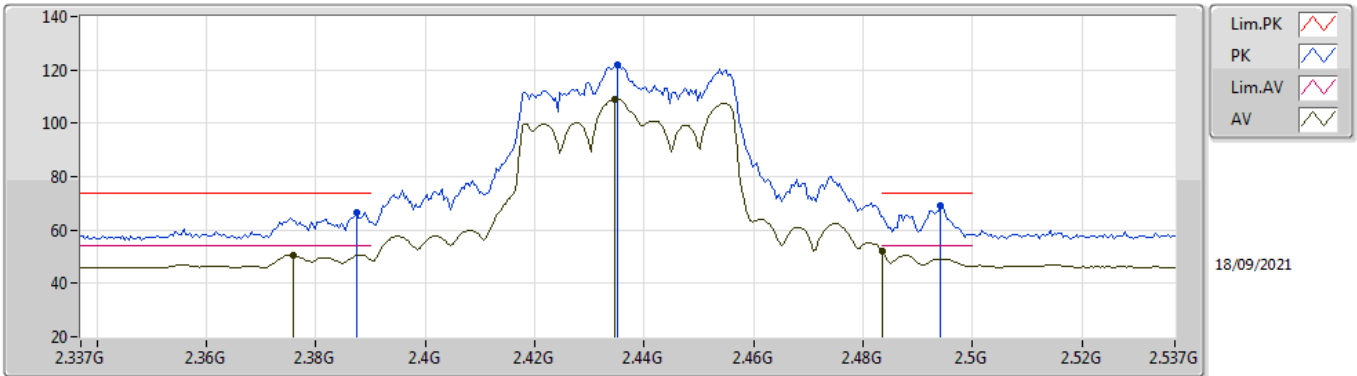


EUT_Y_4TX
Setting 20.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.381G	63.43	74.00	-10.57	31.40	3	Horizontal	146	1.80	-	28.34	3.69	-
AV	2.3814G	49.62	54.00	-4.38	17.59	3	Horizontal	146	1.80	-	28.34	3.69	-
PK	2.4222G	115.41	Inf	-Inf	83.35	3	Horizontal	146	1.80	-	28.34	3.72	-
AV	2.4218G	102.62	Inf	-Inf	70.56	3	Horizontal	146	1.80	-	28.34	3.72	-
PK	2.499G	57.92	74.00	-16.08	25.43	3	Horizontal	146	1.80	-	28.69	3.80	-
AV	2.4858G	45.39	54.00	-8.61	12.99	3	Horizontal	146	1.80	-	28.61	3.79	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz_TX

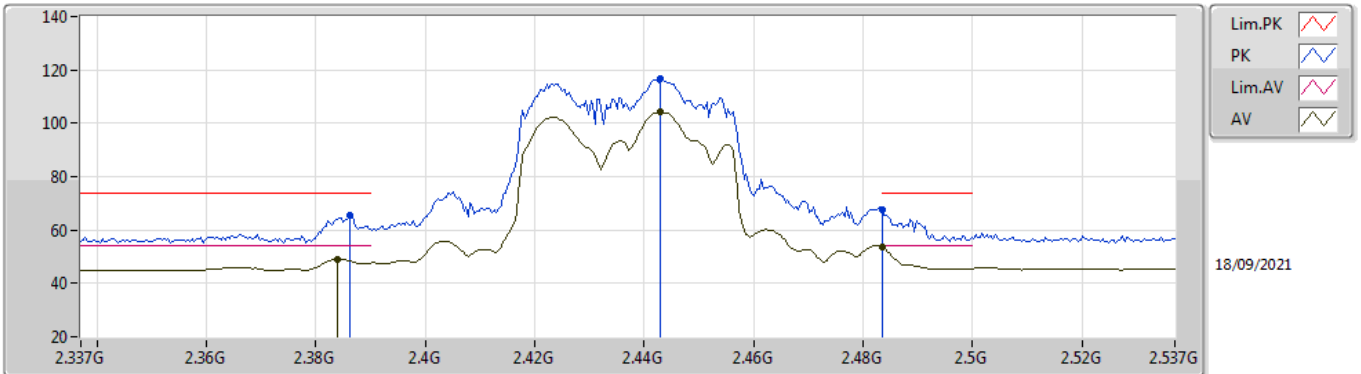


EUT_Y_4TX
Setting 22.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3874G	66.38	74.00	-7.62	34.36	3	Vertical	278	1.65	-	28.33	3.69	-
AV	2.3758G	50.61	54.00	-3.39	18.57	3	Vertical	278	1.65	-	28.35	3.69	-
PK	2.435G	122.01	Inf	-Inf	89.90	3	Vertical	278	1.65	-	28.37	3.74	-
AV	2.4346G	108.93	Inf	-Inf	76.83	3	Vertical	278	1.65	-	28.37	3.73	-
PK	2.4942G	68.96	74.00	-5.04	36.50	3	Vertical	278	1.65	-	28.67	3.79	-
AV	2.4835G	52.24	54.00	-1.76	19.86	3	Vertical	278	1.65	-	28.60	3.78	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz_TX

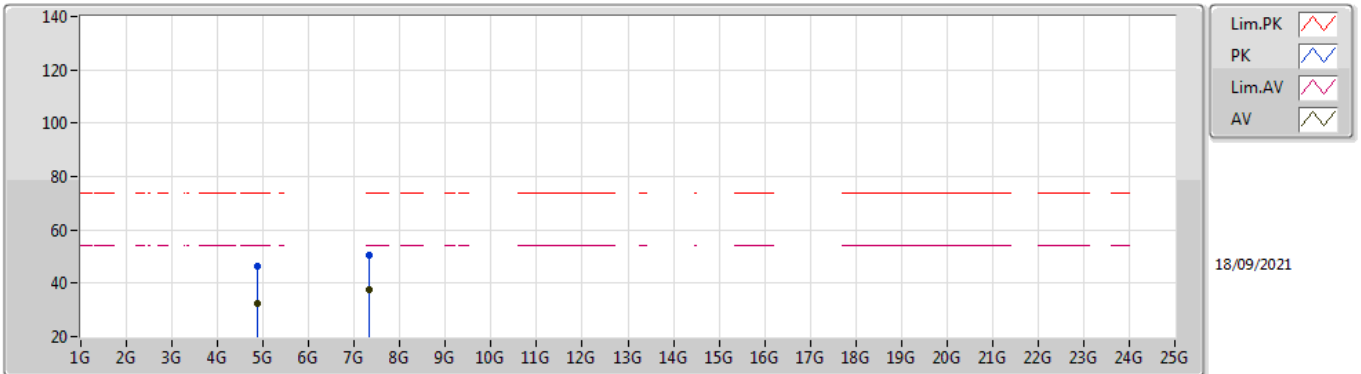


EUT_Y_4TX
Setting 22.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3862G	65.36	74.00	-8.64	33.34	3	Horizontal	241	1.71	-	28.33	3.69	-
AV	2.3838G	49.11	54.00	-4.89	17.09	3	Horizontal	241	1.71	-	28.33	3.69	-
PK	2.443G	116.62	Inf	-Inf	84.49	3	Horizontal	241	1.71	-	28.39	3.74	-
AV	2.443G	104.27	Inf	-Inf	72.14	3	Horizontal	241	1.71	-	28.39	3.74	-
PK	2.4835G	67.49	74.00	-6.51	35.11	3	Horizontal	241	1.71	-	28.60	3.78	-
AV	2.4835G	53.65	54.00	-0.35	21.27	3	Horizontal	241	1.71	-	28.60	3.78	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz_TX

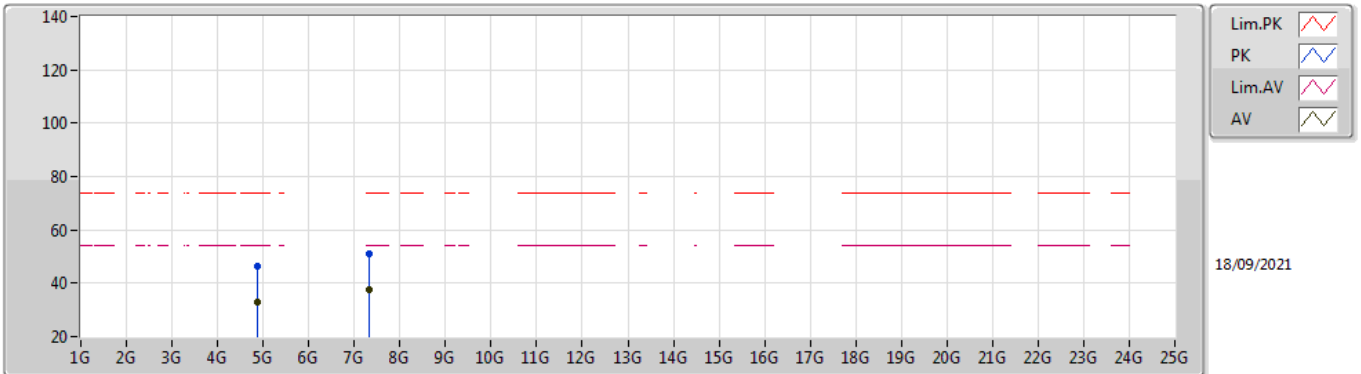


EUT Y_4TX
Setting 22.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87324G	46.18	74.00	-27.82	41.59	3	Vertical	258	2.36	-	33.49	6.50	35.40
AV	4.87204G	32.64	54.00	-21.36	28.05	3	Vertical	258	2.36	-	33.49	6.50	35.40
PK	7.32G	50.57	74.00	-23.43	41.08	3	Vertical	82	1.09	-	37.00	8.06	35.57
AV	7.31964G	37.39	54.00	-16.61	27.90	3	Vertical	82	1.09	-	37.00	8.06	35.57

802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz_TX

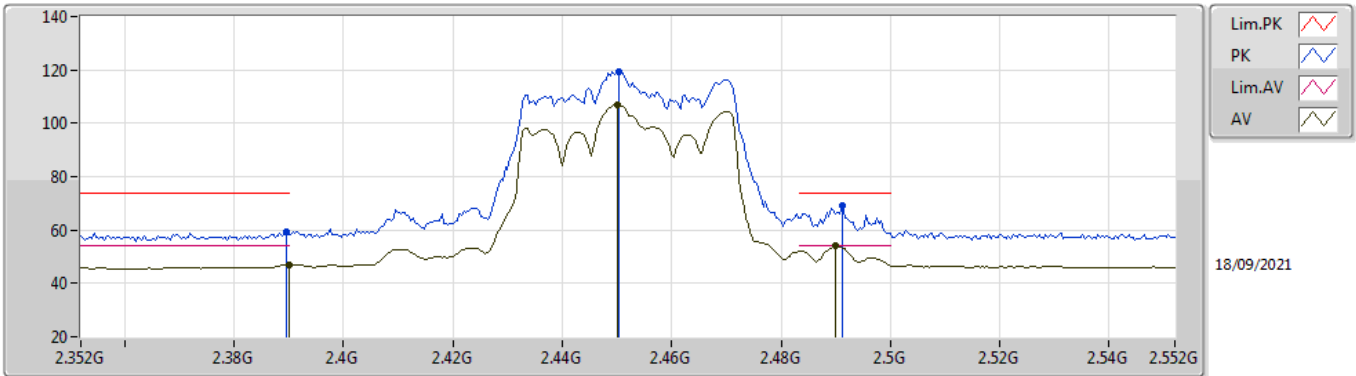


EUT Y_4TX
Setting 22.5
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87732G	46.33	74.00	-27.67	41.71	3	Horizontal	143	2.36	-	33.51	6.50	35.39
AV	4.87516G	32.76	54.00	-21.24	28.15	3	Horizontal	143	2.36	-	33.50	6.50	35.39
PK	7.31124G	51.28	74.00	-22.72	41.79	3	Horizontal	213	2.17	-	37.00	8.06	35.57
AV	7.31972G	37.45	54.00	-16.55	27.96	3	Horizontal	213	2.17	-	37.00	8.06	35.57

802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz_TX

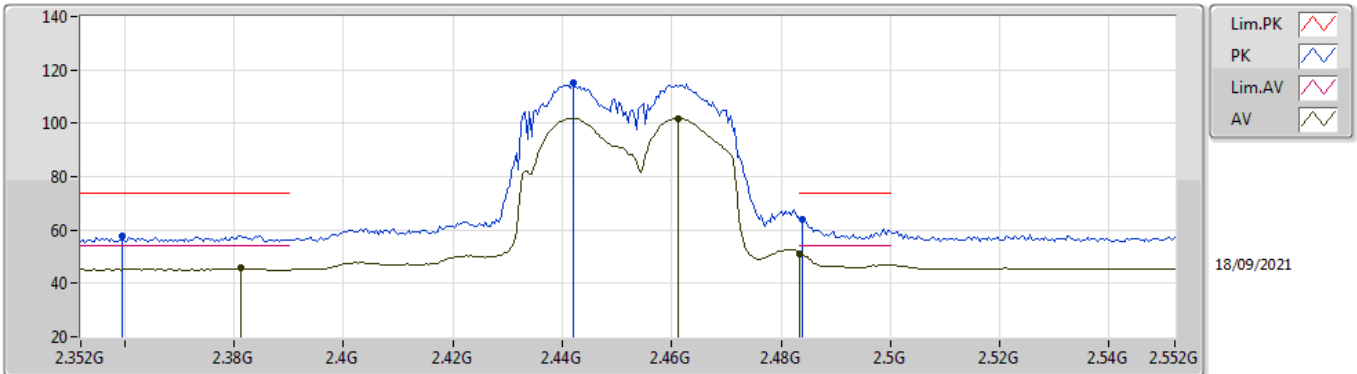


EUT_Y_4TX
Setting 20
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3896G	59.42	74.00	-14.58	27.41	3	Vertical	275	1.68	-	28.32	3.69	-
AV	2.39G	47.10	54.00	-6.90	15.08	3	Vertical	275	1.68	-	28.32	3.70	-
PK	2.4504G	119.53	Inf	-Inf	87.38	3	Vertical	275	1.68	-	28.40	3.75	-
AV	2.45G	106.86	Inf	-Inf	74.71	3	Vertical	275	1.68	-	28.40	3.75	-
PK	2.4912G	69.10	74.00	-4.90	36.66	3	Vertical	275	1.68	-	28.65	3.79	-
AV	2.49G	53.93	54.00	-0.07	21.50	3	Vertical	275	1.68	-	28.64	3.79	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz_TX

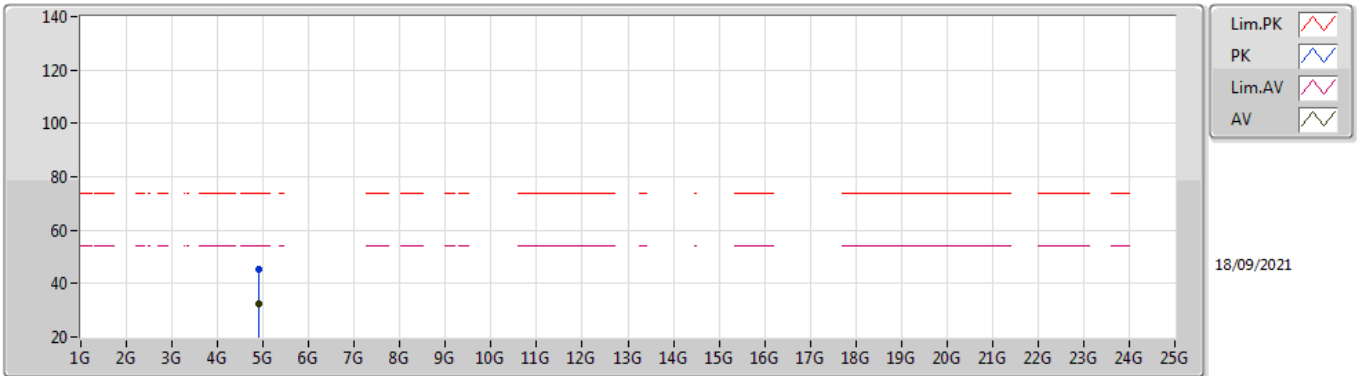


EUT_Y_4TX
Setting 20
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3596G	57.66	74.00	-16.34	25.60	3	Horizontal	289	1.80	-	28.38	3.68	-
AV	2.3812G	45.69	54.00	-8.31	13.66	3	Horizontal	289	1.80	-	28.34	3.69	-
PK	2.442G	115.06	Inf	-Inf	82.94	3	Horizontal	289	1.80	-	28.38	3.74	-
AV	2.4612G	101.79	Inf	-Inf	69.56	3	Horizontal	289	1.80	-	28.47	3.76	-
PK	2.484G	63.99	74.00	-10.01	31.61	3	Horizontal	289	1.80	-	28.60	3.78	-
AV	2.4835G	51.19	54.00	-2.81	18.81	3	Horizontal	289	1.80	-	28.60	3.78	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz_TX

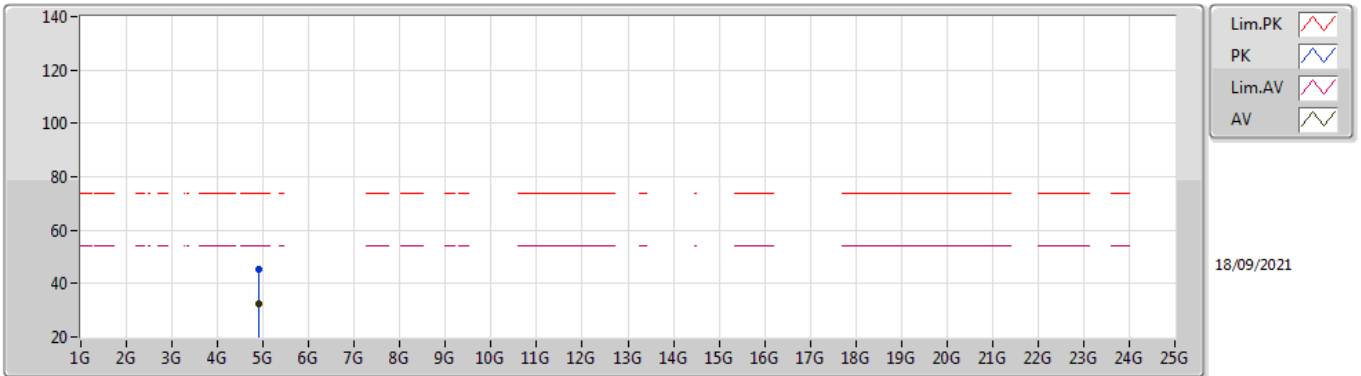


EUT Y_4TX
Setting 20
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.89712G	45.58	74.00	-28.42	40.87	3	Vertical	103	1.97	-	33.59	6.50	35.38
AV	4.90736G	32.46	54.00	-21.54	27.73	3	Vertical	103	1.97	-	33.61	6.50	35.38

802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz_TX



EUT Y_4TX
Setting 20
03-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.9038G	45.44	74.00	-28.56	40.71	3	Horizontal	65	2.48	-	33.61	6.50	35.38
AV	4.90112G	32.33	54.00	-21.67	27.61	3	Horizontal	65	2.48	-	33.60	6.50	35.38

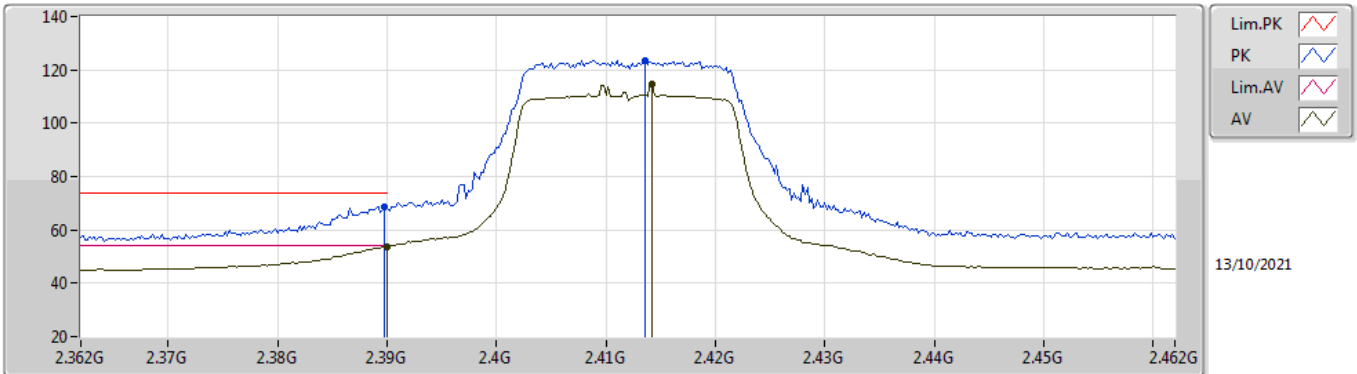


Summary

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 HEW20-BF_Nss1_(MCS0)_4TX	Pass	AV	2.39G	53.85	54.00	-0.15	3	Vertical	58	1.94	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2412MHz_TX

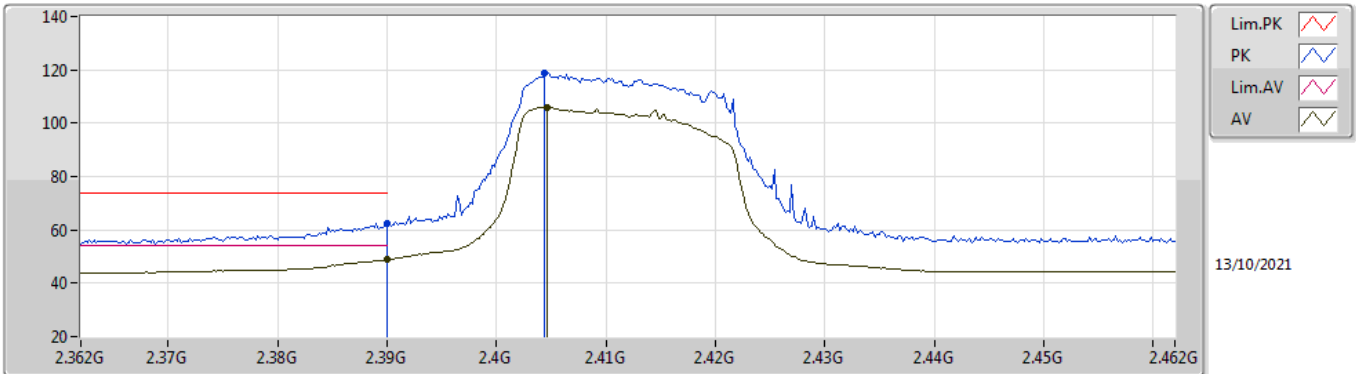


EUT_Y_4TX
Setting 26
01-A-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	68.62	74.00	-5.38	37.44	3	Vertical	58	1.94	-	27.38	3.80	-
AV	2.39G	53.85	54.00	-0.15	22.67	3	Vertical	58	1.94	-	27.38	3.80	-
PK	2.4136G	123.69	Inf	-Inf	92.45	3	Vertical	58	1.94	-	27.43	3.81	-
AV	2.4142G	114.85	Inf	-Inf	83.61	3	Vertical	58	1.94	-	27.43	3.81	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2412MHz_TX

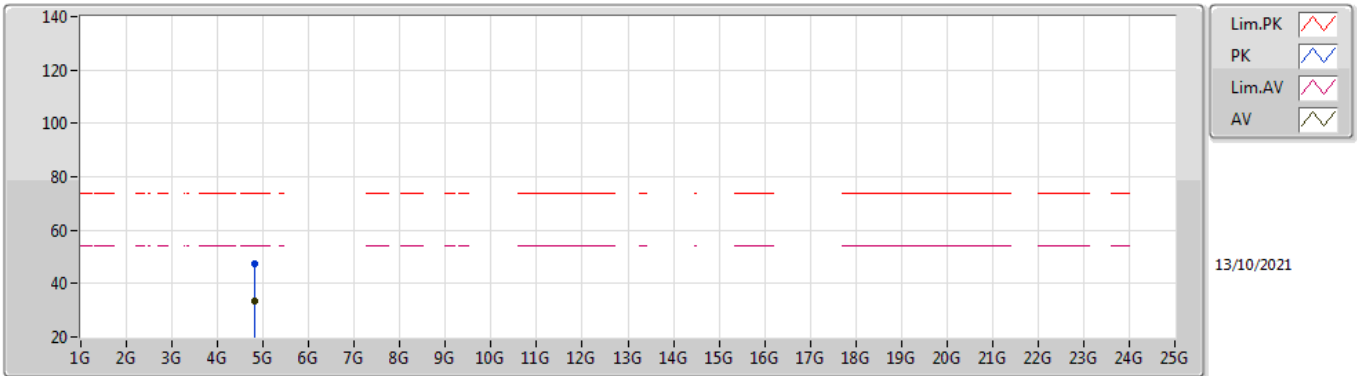


EUT_Y_4TX
Setting 26
01-A-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.39G	62.60	74.00	-11.40	31.42	3	Horizontal	316.5	1.80	-	27.38	3.80	-	
AV	2.39G	48.79	54.00	-5.21	17.61	3	Horizontal	316.5	1.80	-	27.38	3.80	-	
PK	2.4044G	118.90	Inf	-Inf	87.69	3	Horizontal	316.5	1.80	-	27.41	3.80	-	
AV	2.4046G	106.08	Inf	-Inf	74.87	3	Horizontal	316.5	1.80	-	27.41	3.80	-	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2412MHz_TX

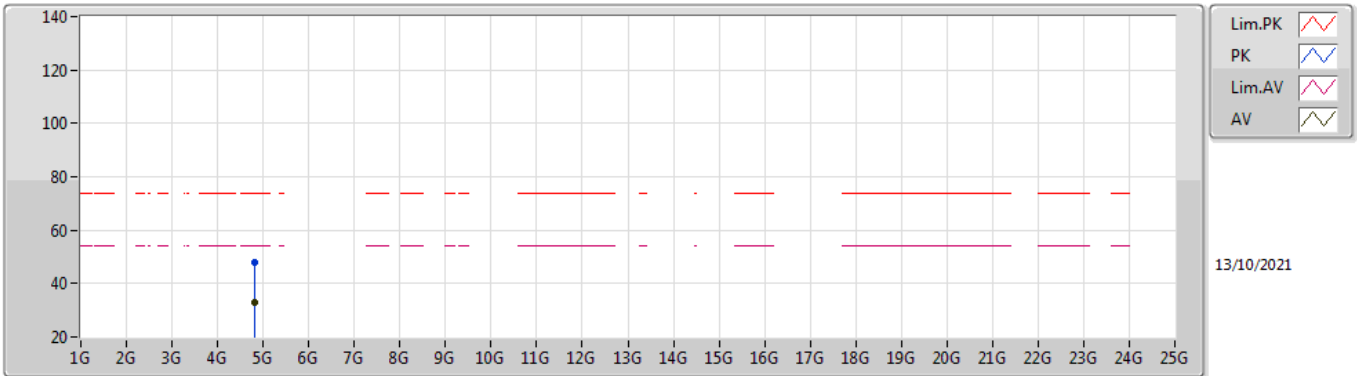


EUT Y_4TX
Setting 26
01-A-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.81954G	47.64	74.00	-26.36	42.13	3	Vertical	348	1.85	-	32.22	6.28	32.99
AV	4.8217G	33.20	54.00	-20.80	27.67	3	Vertical	348	1.85	-	32.23	6.28	32.98

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2412MHz_TX

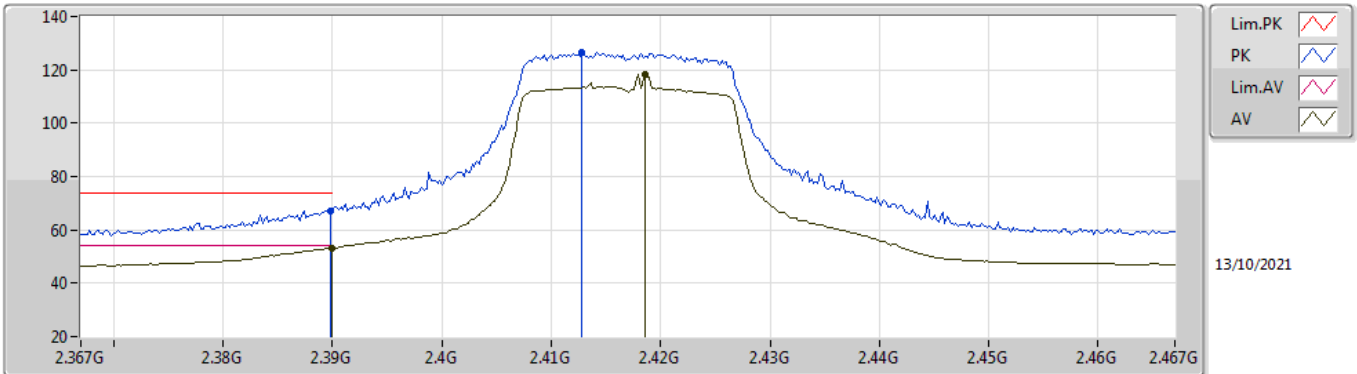


EUT Y_4TX
Setting 26
01-A-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82546G	47.70	74.00	-26.30	42.16	3	Horizontal	328	2.98	-	32.25	6.27	32.98
AV	4.82156G	33.15	54.00	-20.85	27.62	3	Horizontal	328	2.98	-	32.23	6.28	32.98

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2417MHz_TX

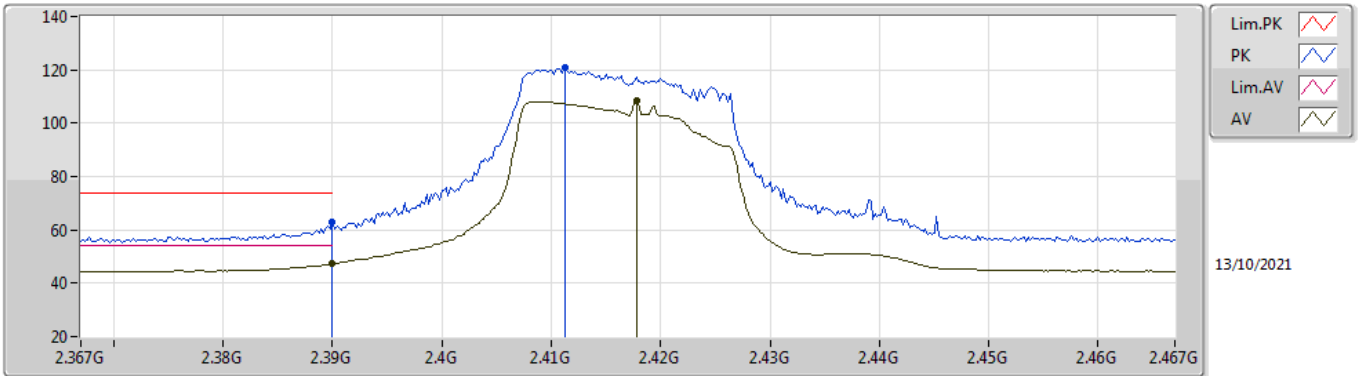


EUT_Y_4TX
Setting 29
01-A-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	67.30	74.00	-6.70	36.12	3	Vertical	58	1.94	-	27.38	3.80	-
AV	2.39G	53.23	54.00	-0.77	22.05	3	Vertical	58	1.94	-	27.38	3.80	-
PK	2.4128G	126.50	Inf	-Inf	95.26	3	Vertical	58	1.94	-	27.43	3.81	-
AV	2.4186G	118.52	Inf	-Inf	87.27	3	Vertical	58	1.94	-	27.44	3.81	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2417MHz_TX

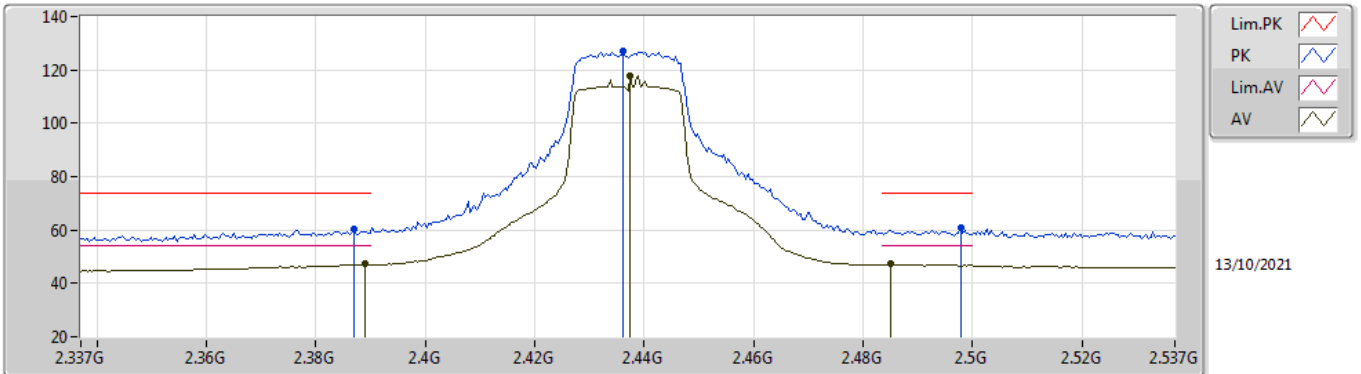


EUT_Y_4TX
Setting 29
01-A-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	63.03	74.00	-10.97	31.85	3	Horizontal	309	1.21	-	27.38	3.80	-
AV	2.39G	47.27	54.00	-6.73	16.09	3	Horizontal	309	1.21	-	27.38	3.80	-
PK	2.4112G	120.61	Inf	-Inf	89.38	3	Horizontal	309	1.21	-	27.42	3.81	-
AV	2.4178G	108.42	Inf	-Inf	77.17	3	Horizontal	309	1.21	-	27.44	3.81	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2437MHz_TX

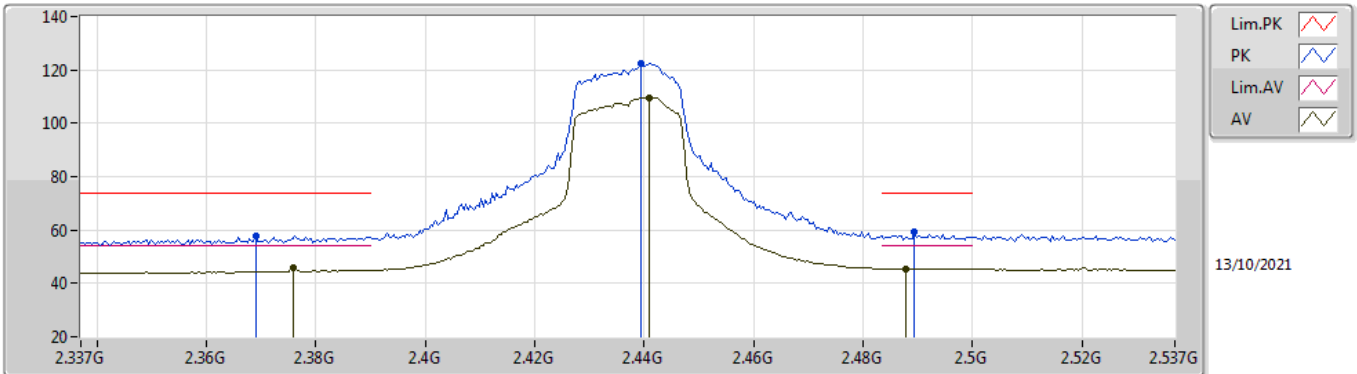


EUT_Y_4TX
Setting 30
01-A-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.387G	60.13	74.00	-13.87	28.96	3	Vertical	54	1.80	-	27.37	3.80	-	
AV	2.389G	47.44	54.00	-6.56	16.26	3	Vertical	54	1.80	-	27.38	3.80	-	
PK	2.4362G	127.04	Inf	-Inf	95.75	3	Vertical	54	1.80	-	27.47	3.82	-	
AV	2.4374G	117.88	Inf	-Inf	86.59	3	Vertical	54	1.80	-	27.47	3.82	-	
PK	2.4978G	60.74	74.00	-13.26	29.10	3	Vertical	54	1.80	-	27.79	3.85	-	
AV	2.485G	47.21	54.00	-6.79	15.66	3	Vertical	54	1.80	-	27.71	3.84	-	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2437MHz_TX

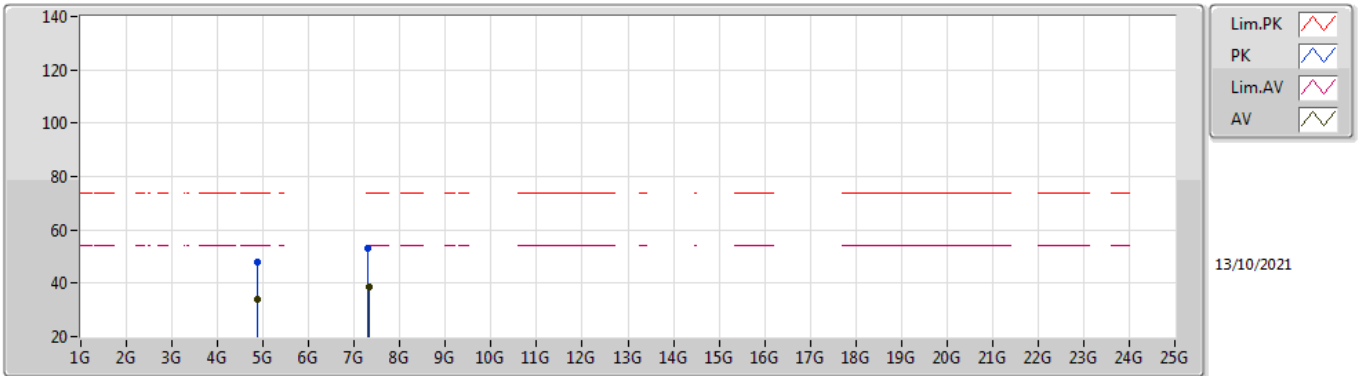


EUT_Y_4TX
Setting 30
01-A-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.369G	57.68	74.00	-16.32	26.54	3	Horizontal	282.1	1.65	-	27.34	3.80	-
AV	2.3758G	45.94	54.00	-8.06	14.79	3	Horizontal	282.1	1.65	-	27.35	3.80	-
PK	2.4394G	122.37	Inf	-Inf	91.07	3	Horizontal	282.1	1.65	-	27.48	3.82	-
AV	2.441G	109.59	Inf	-Inf	78.29	3	Horizontal	282.1	1.65	-	27.48	3.82	-
PK	2.4894G	59.14	74.00	-14.86	27.56	3	Horizontal	282.1	1.65	-	27.74	3.84	-
AV	2.4878G	45.58	54.00	-8.42	14.01	3	Horizontal	282.1	1.65	-	27.73	3.84	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2437MHz_TX

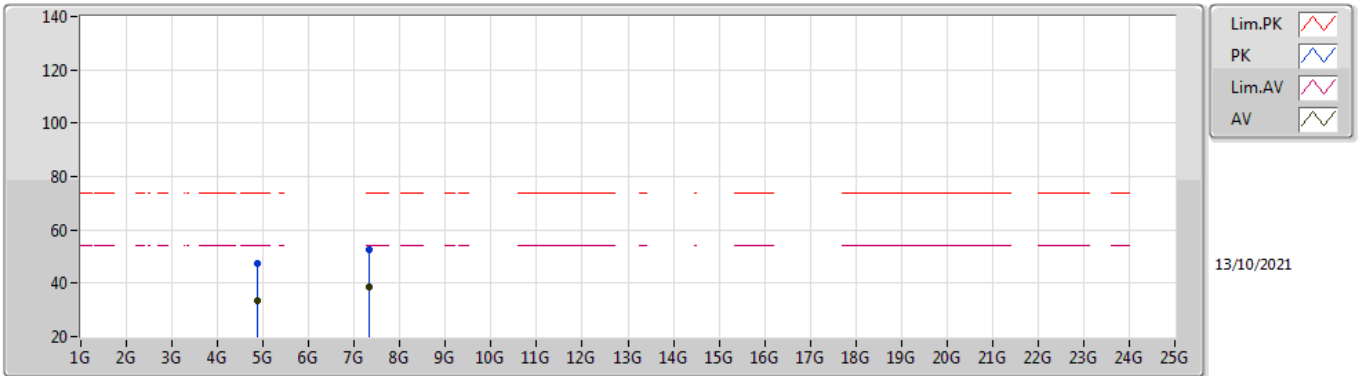


EUT_Y_4TX
Setting 30
01-A-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87406G	47.72	74.00	-26.28	42.02	3	Vertical	69	1.59	-	32.45	6.23	32.98
AV	4.87498G	33.72	54.00	-20.28	28.02	3	Vertical	69	1.59	-	32.45	6.23	32.98
PK	7.30856G	52.93	74.00	-21.07	41.41	3	Vertical	139	2.38	-	37.13	7.47	33.08
AV	7.3124G	38.72	54.00	-15.28	27.17	3	Vertical	139	2.38	-	37.15	7.48	33.08

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2437MHz_TX

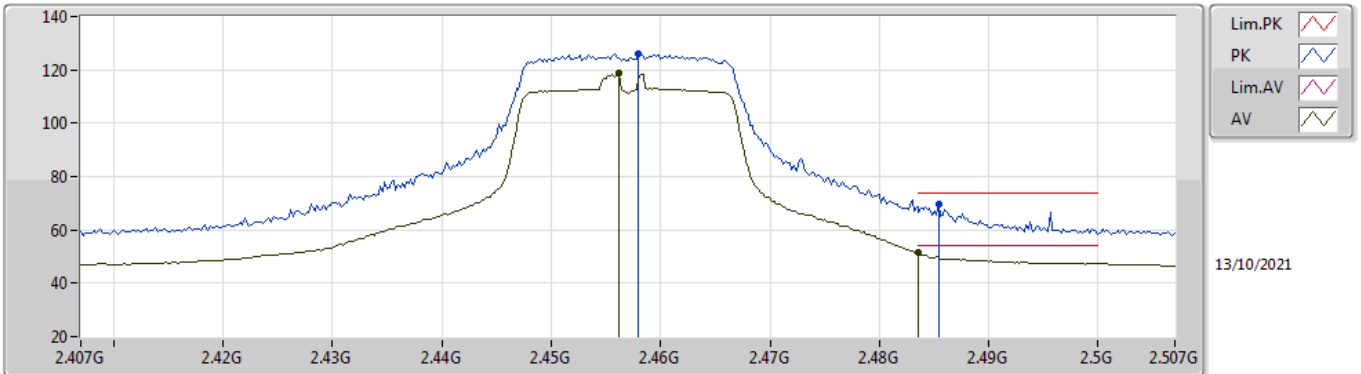


EUT_Y_4TX
Setting 30
01-A-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87272G	47.62	74.00	-26.38	41.92	3	Horizontal	327	1.54	-	32.45	6.23	32.98
AV	4.87474G	33.61	54.00	-20.39	27.91	3	Horizontal	327	1.54	-	32.45	6.23	32.98
PK	7.31518G	52.81	74.00	-21.19	41.24	3	Horizontal	212	1.27	-	37.16	7.49	33.08
AV	7.31552G	38.65	54.00	-15.35	27.08	3	Horizontal	212	1.27	-	37.16	7.49	33.08

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2457MHz_TX

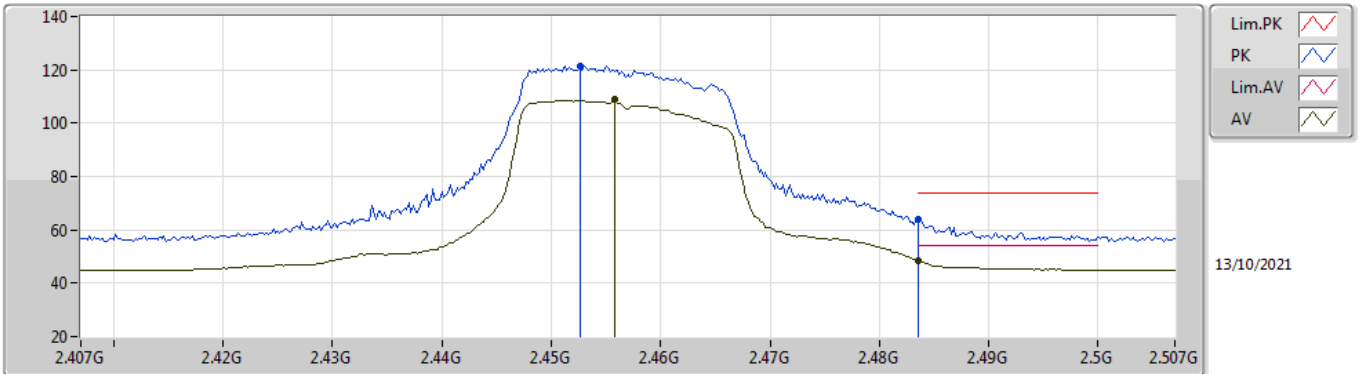


EUT Y_4TX
Setting 29
01-A-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.458G	126.25	Inf	-Inf	94.87	3	Vertical	56	1.78	-	27.55	3.83	-	
AV	2.4562G	118.81	Inf	-Inf	87.44	3	Vertical	56	1.78	-	27.54	3.83	-	
PK	2.4854G	69.59	74.00	-4.41	38.04	3	Vertical	56	1.78	-	27.71	3.84	-	
AV	2.4835G	51.31	54.00	-2.69	19.77	3	Vertical	56	1.78	-	27.70	3.84	-	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2457MHz_TX

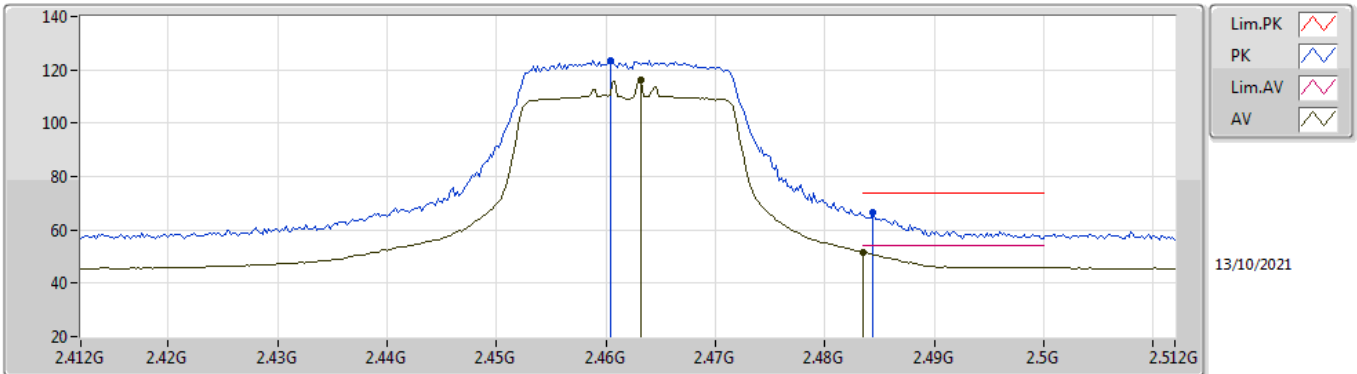


EUT_Y_4TX
Setting 29
01-A-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4526G	121.54	Inf	-Inf	90.19	3	Horizontal	301.5	2.01	-	27.52	3.83	-
AV	2.4558G	108.75	Inf	-Inf	77.39	3	Horizontal	301.5	2.01	-	27.53	3.83	-
PK	2.4835G	64.14	74.00	-9.86	32.60	3	Horizontal	301.5	2.01	-	27.70	3.84	-
AV	2.4835G	48.66	54.00	-5.34	17.12	3	Horizontal	301.5	2.01	-	27.70	3.84	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2462MHz_TX

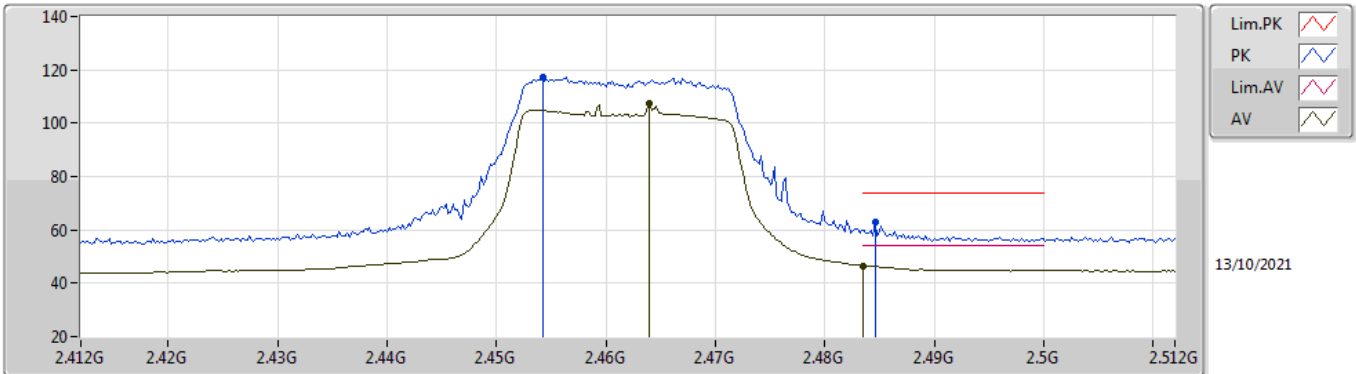


EUT_Y_4TX
Setting 27
01-A-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4604G	123.54	Inf	-Inf	92.15	3	Vertical	61	1.99	-	27.56	3.83	-
AV	2.4632G	116.10	Inf	-Inf	84.69	3	Vertical	61	1.99	-	27.58	3.83	-
PK	2.4844G	66.48	74.00	-7.52	34.93	3	Vertical	61	1.99	-	27.71	3.84	-
AV	2.4835G	51.76	54.00	-2.24	20.22	3	Vertical	61	1.99	-	27.70	3.84	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2462MHz_TX

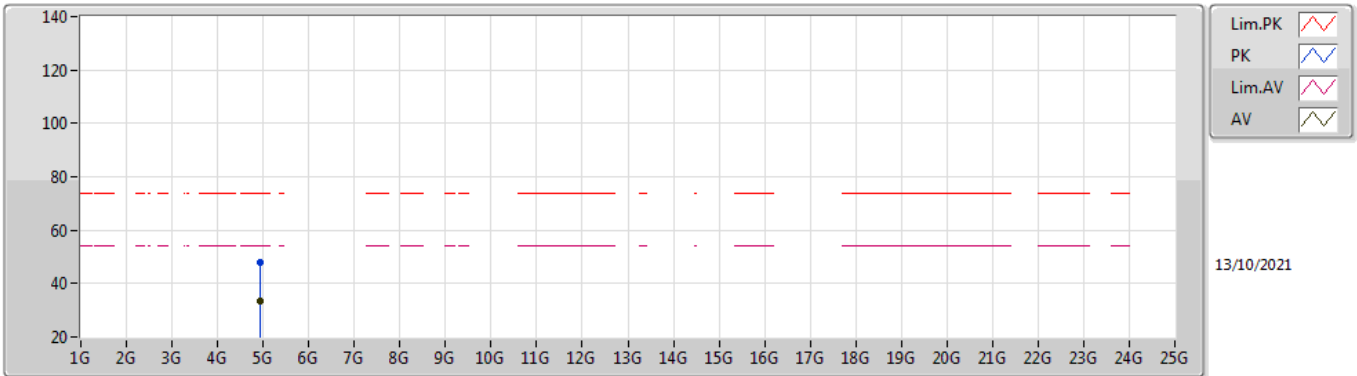


EUT_Y_4TX
Setting 27
01-A-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4542G	117.35	Inf	-Inf	85.99	3	Horizontal	90	1.80	-	27.53	3.83	-
AV	2.464G	107.21	Inf	-Inf	75.80	3	Horizontal	90	1.80	-	27.58	3.83	-
PK	2.4846G	63.07	74.00	-10.93	31.52	3	Horizontal	90	1.80	-	27.71	3.84	-
AV	2.4835G	46.61	54.00	-7.39	15.07	3	Horizontal	90	1.80	-	27.70	3.84	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2462MHz_TX

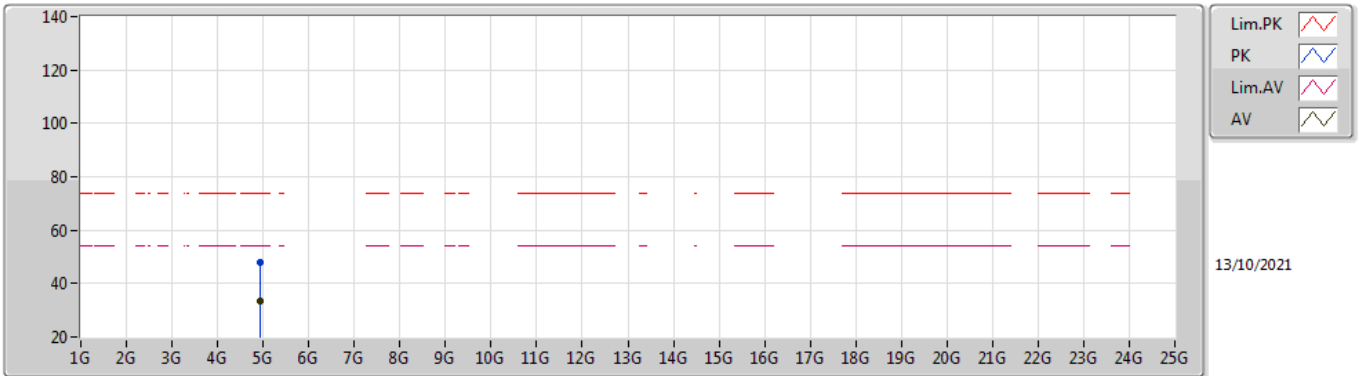


EUT Y_4TX
Setting 27
01-A-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.9209G	48.13	74.00	-25.87	42.29	3	Vertical	316	2.02	-	32.63	6.18	32.97
AV	4.92874G	33.53	54.00	-20.47	27.66	3	Vertical	316	2.02	-	32.67	6.17	32.97

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2462MHz_TX

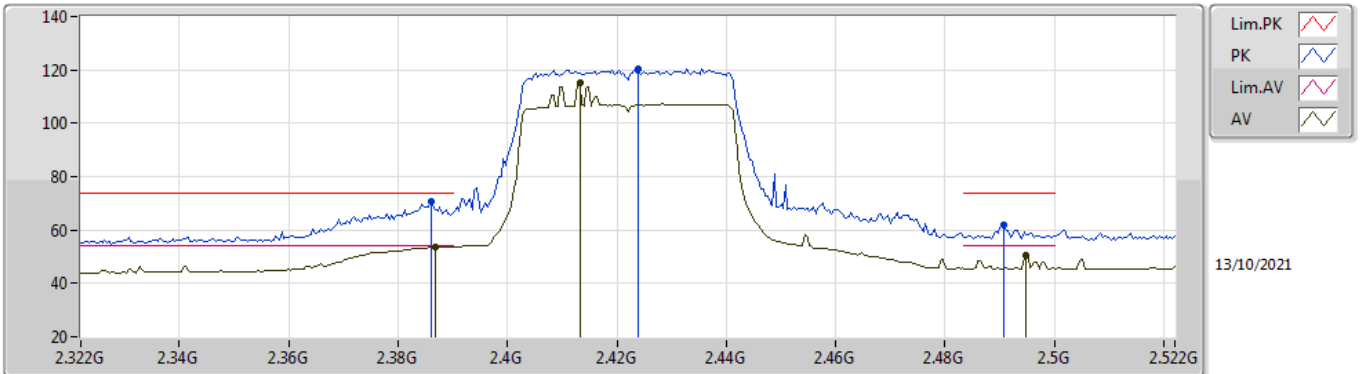


EUT Y_4TX
Setting 27
01-A-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92352G	47.76	74.00	-26.24	41.91	3	Horizontal	119	1.07	-	32.64	6.18	32.97
AV	4.92012G	33.48	54.00	-20.52	27.65	3	Horizontal	119	1.07	-	32.62	6.18	32.97

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2422MHz_TX

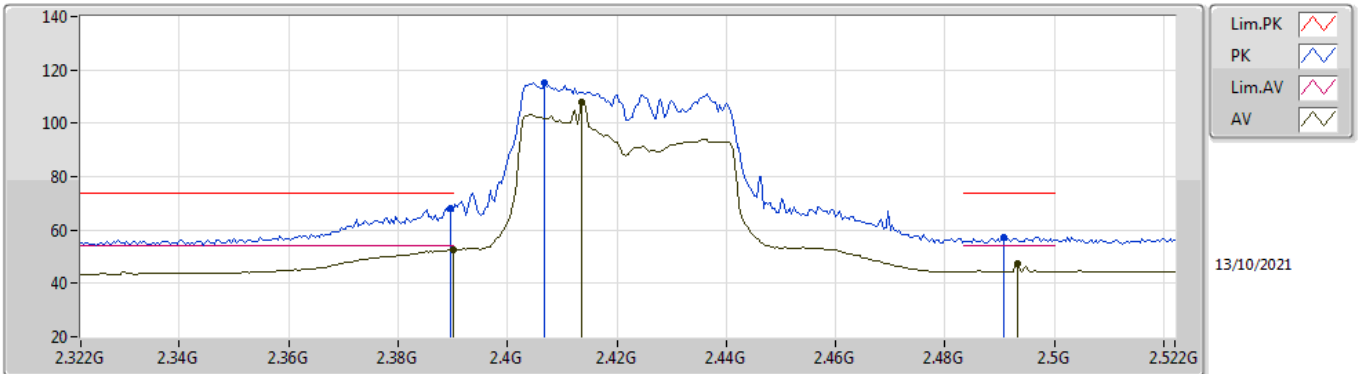


EUT_Y_4TX
Setting 26
01-A-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.386G	70.71	74.00	-3.29	39.54	3	Vertical	58	1.80	-	27.37	3.80	-
AV	2.3868G	53.62	54.00	-0.38	22.45	3	Vertical	58	1.80	-	27.37	3.80	-
PK	2.424G	120.29	Inf	-Inf	89.03	3	Vertical	58	1.80	-	27.45	3.81	-
AV	2.4132G	115.26	Inf	-Inf	84.02	3	Vertical	58	1.80	-	27.43	3.81	-
PK	2.4908G	61.74	74.00	-12.26	30.15	3	Vertical	58	1.80	-	27.74	3.85	-
AV	2.4948G	50.29	54.00	-3.71	18.67	3	Vertical	58	1.80	-	27.77	3.85	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2422MHz_TX

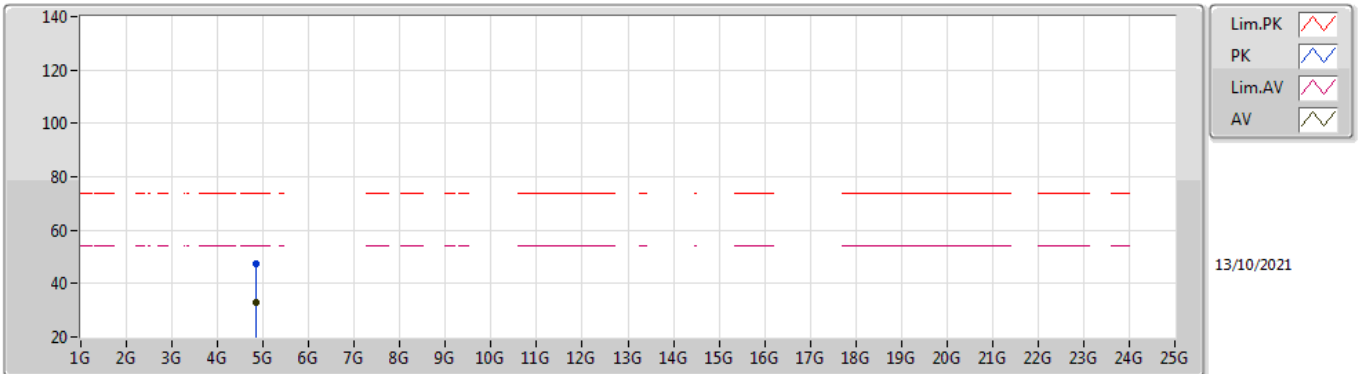


EUT_Y_4TX
Setting 26
01-A-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3896G	68.32	74.00	-5.68	37.14	3	Horizontal	319.5	1.77	-	27.38	3.80	-
AV	2.39G	52.75	54.00	-1.25	21.57	3	Horizontal	319.5	1.77	-	27.38	3.80	-
PK	2.4068G	115.01	Inf	-Inf	83.80	3	Horizontal	319.5	1.77	-	27.41	3.80	-
AV	2.4136G	107.81	Inf	-Inf	76.57	3	Horizontal	319.5	1.77	-	27.43	3.81	-
PK	2.4908G	57.46	74.00	-16.54	25.87	3	Horizontal	319.5	1.77	-	27.74	3.85	-
AV	2.4932G	47.21	54.00	-6.79	15.60	3	Horizontal	319.5	1.77	-	27.76	3.85	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2422MHz_TX

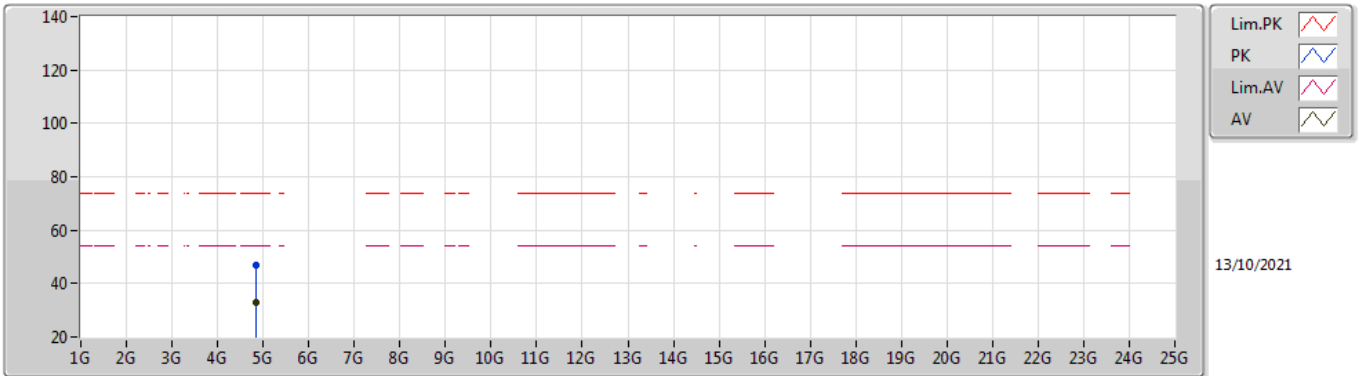


EUT Y_4TX
Setting 26
01-A-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.8461G	47.20	74.00	-26.80	41.55	3	Vertical	250	2.79	-	32.38	6.25	32.98	
AV	4.849G	33.04	54.00	-20.96	27.38	3	Vertical	250	2.79	-	32.39	6.25	32.98	

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2422MHz_TX

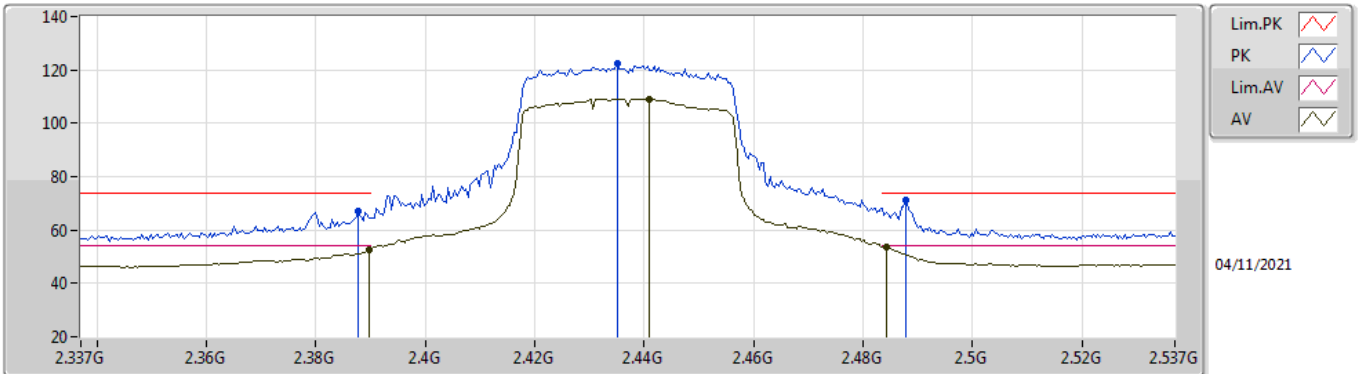


EUT Y_4TX
Setting 26
01-A-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.83956G	46.93	74.00	-27.07	41.31	3	Horizontal	82	2.68	-	32.34	6.26	32.98	
AV	4.84804G	33.00	54.00	-21.00	27.34	3	Horizontal	82	2.68	-	32.39	6.25	32.98	

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2437MHz_TX

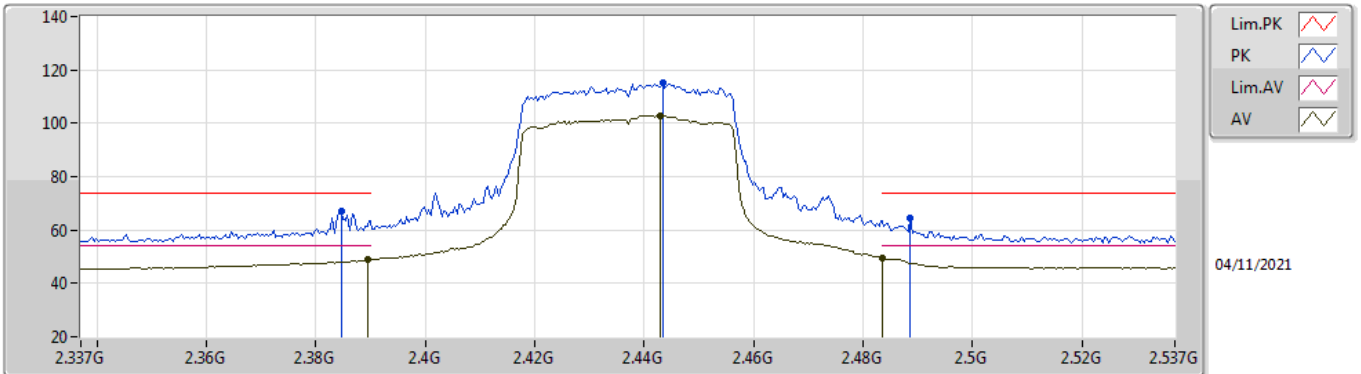


EUT_Y_4TX
Setting 28
03-D-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3878G	67.03	74.00	-6.97	34.32	3	Vertical	6	2.65	-	28.32	4.39	-
AV	2.3898G	52.35	54.00	-1.65	19.64	3	Vertical	6	2.65	-	28.32	4.39	-
PK	2.435G	122.32	Inf	-Inf	89.53	3	Vertical	6	2.65	-	28.37	4.42	-
AV	2.441G	109.14	Inf	-Inf	76.34	3	Vertical	6	2.65	-	28.38	4.42	-
PK	2.4878G	71.26	74.00	-2.74	38.19	3	Vertical	6	2.65	-	28.63	4.44	-
AV	2.4842G	53.74	54.00	-0.26	20.69	3	Vertical	6	2.65	-	28.61	4.44	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2437MHz_TX

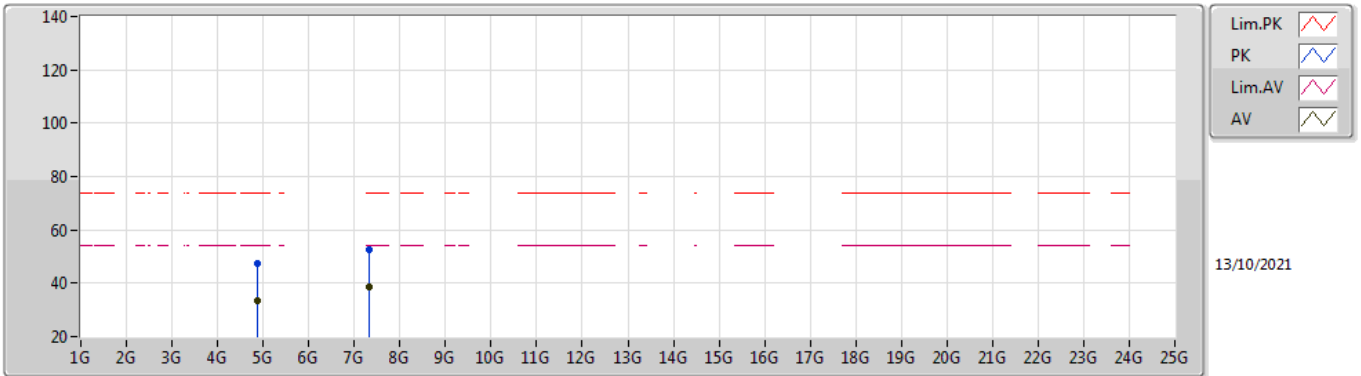


EUT_Y_4TX
Setting 28
03-D-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
AV	2.3894G	48.90	54.00	-5.10	16.19	3	Horizontal	133	2.07	-	28.32	4.39	-
PK	2.3846G	66.91	74.00	-7.09	34.20	3	Horizontal	133	2.07	-	28.33	4.38	-
AV	2.443G	102.83	Inf	-Inf	70.02	3	Horizontal	133	2.07	-	28.39	4.42	-
PK	2.4434G	115.00	Inf	-Inf	82.19	3	Horizontal	133	2.07	-	28.39	4.42	-
AV	2.4835G	49.67	54.00	-4.33	16.63	3	Horizontal	133	2.07	-	28.60	4.44	-
PK	2.4886G	64.49	74.00	-9.51	31.42	3	Horizontal	133	2.07	-	28.63	4.44	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2437MHz_TX

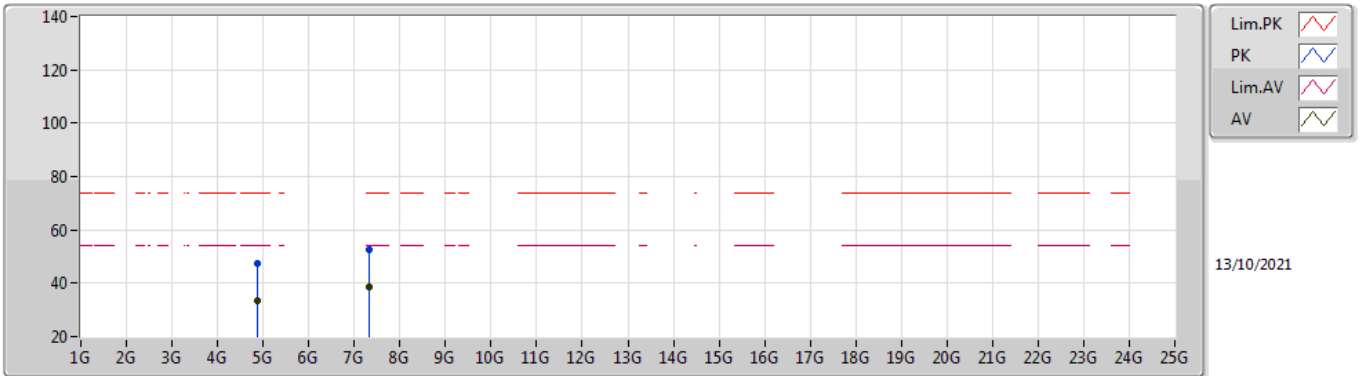


EUT_Y_4TX
Setting 28
01-A-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87596G	47.36	74.00	-26.64	41.67	3	Vertical	115	2.73	-	32.45	6.22	32.98
AV	4.8756G	33.25	54.00	-20.75	27.56	3	Vertical	115	2.73	-	32.45	6.22	32.98
PK	7.3114G	52.53	74.00	-21.47	40.98	3	Vertical	155	1.84	-	37.15	7.48	33.08
AV	7.31586G	38.60	54.00	-15.40	27.03	3	Vertical	155	1.84	-	37.16	7.49	33.08

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2437MHz_TX

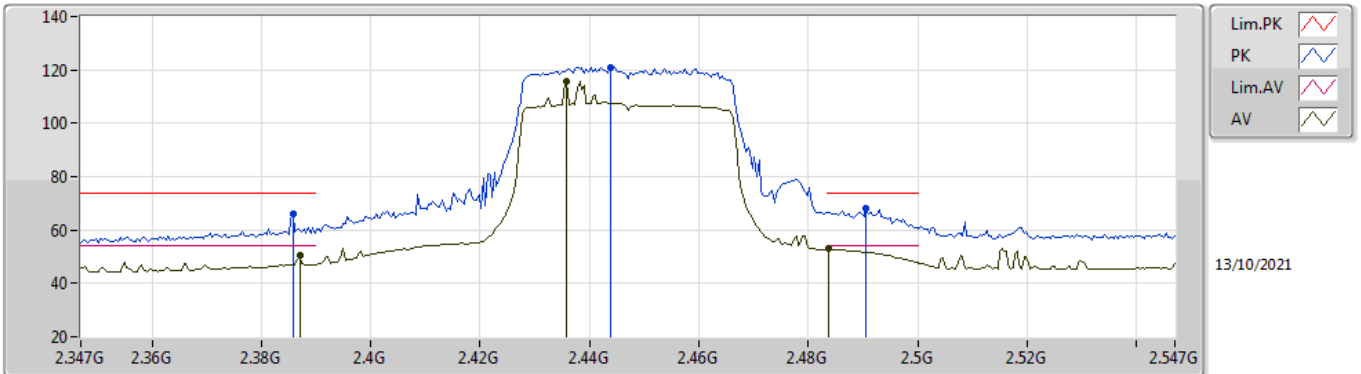


EUT_Y_4TX
Setting 28
01-A-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87518G	47.52	74.00	-26.48	41.83	3	Horizontal	193	2.00	-	32.45	6.22	32.98
AV	4.87576G	33.44	54.00	-20.56	27.75	3	Horizontal	193	2.00	-	32.45	6.22	32.98
PK	7.31138G	52.46	74.00	-21.54	40.91	3	Horizontal	283	2.10	-	37.15	7.48	33.08
AV	7.31526G	38.62	54.00	-15.38	27.05	3	Horizontal	283	2.10	-	37.16	7.49	33.08

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2447MHz_TX

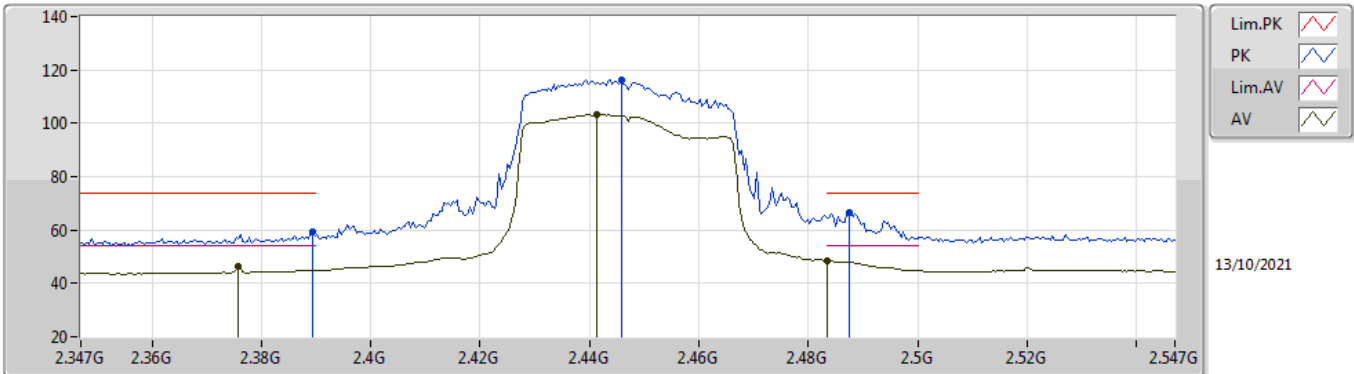


EUT_Y_4TX
Setting 26
01-A-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3858G	65.81	74.00	-8.19	34.64	3	Vertical	59	1.80	-	27.37	3.80	-
AV	2.387G	50.55	54.00	-3.45	19.38	3	Vertical	59	1.80	-	27.37	3.80	-
PK	2.4438G	121.07	Inf	-Inf	89.76	3	Vertical	59	1.80	-	27.49	3.82	-
AV	2.4358G	115.73	Inf	-Inf	84.44	3	Vertical	59	1.80	-	27.47	3.82	-
PK	2.4906G	67.91	74.00	-6.09	36.32	3	Vertical	59	1.80	-	27.74	3.85	-
AV	2.4838G	52.94	54.00	-1.06	21.40	3	Vertical	59	1.80	-	27.70	3.84	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2447MHz_TX

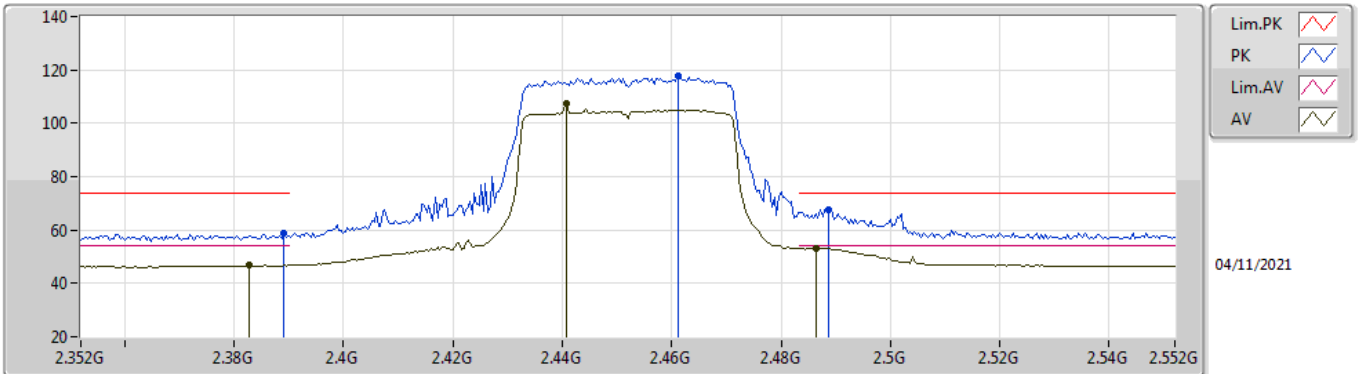


EUT_Y_4TX
Setting 26
01-A-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	59.37	74.00	-14.63	28.19	3	Horizontal	273.8	1.81	-	27.38	3.80	-
AV	2.3758G	46.24	54.00	-7.76	15.09	3	Horizontal	273.8	1.81	-	27.35	3.80	-
PK	2.4458G	116.40	Inf	-Inf	85.09	3	Horizontal	273.8	1.81	-	27.49	3.82	-
AV	2.4414G	103.39	Inf	-Inf	72.09	3	Horizontal	273.8	1.81	-	27.48	3.82	-
PK	2.4874G	66.43	74.00	-7.57	34.87	3	Horizontal	273.8	1.81	-	27.72	3.84	-
AV	2.4835G	48.59	54.00	-5.41	17.05	3	Horizontal	273.8	1.81	-	27.70	3.84	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2452MHz_TX

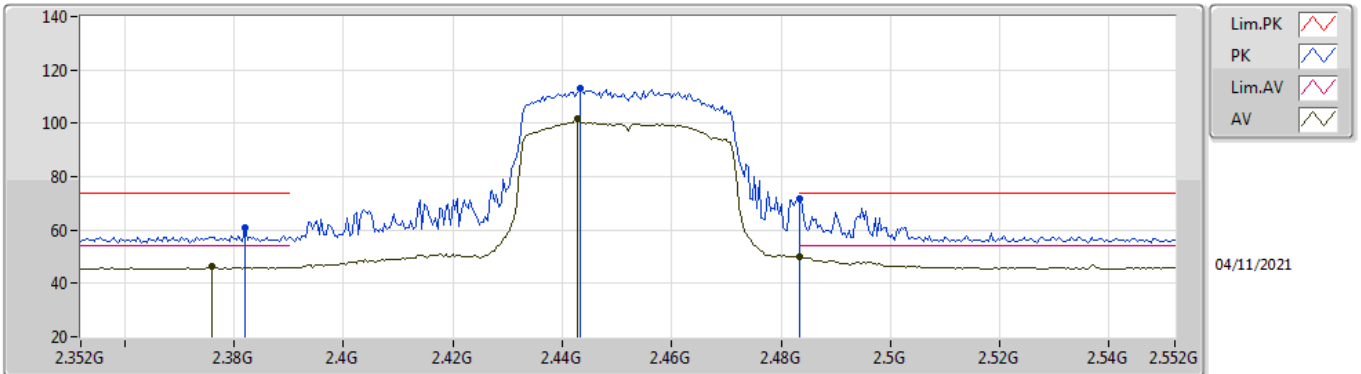


EUT_Y_4TX
Setting 25
03-D-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3892G	58.85	74.00	-15.15	26.14	3	Vertical	304.8	1.78	-	28.32	4.39	-
AV	2.3828G	46.70	54.00	-7.30	13.99	3	Vertical	304.8	1.78	-	28.33	4.38	-
PK	2.4612G	117.89	Inf	-Inf	84.99	3	Vertical	304.8	1.78	-	28.47	4.43	-
AV	2.4408G	107.25	Inf	-Inf	74.45	3	Vertical	304.8	1.78	-	28.38	4.42	-
PK	2.4888G	67.72	74.00	-6.28	34.65	3	Vertical	304.8	1.78	-	28.63	4.44	-
AV	2.4864G	53.24	54.00	-0.76	20.18	3	Vertical	304.8	1.78	-	28.62	4.44	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2452MHz_TX

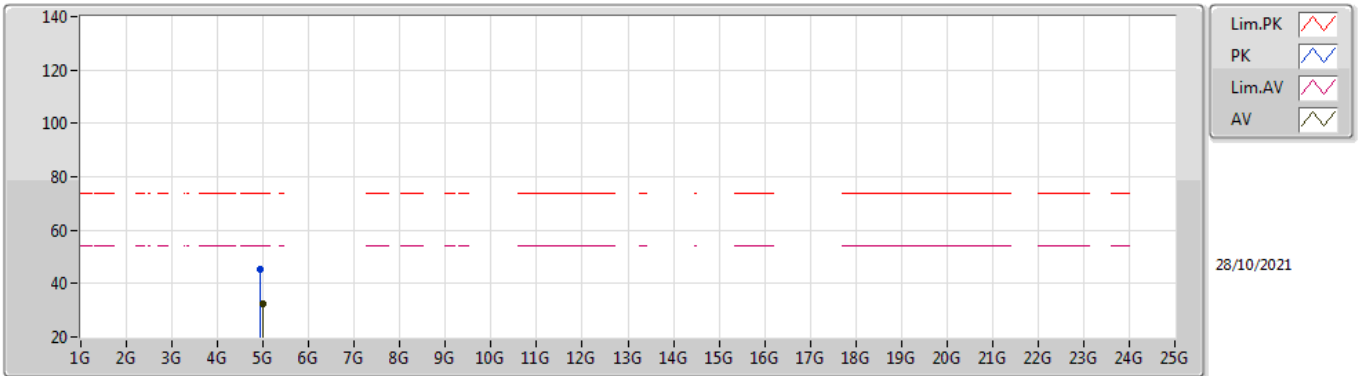


EUT_Y_4TX
Setting 25
03-D-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.382G	60.74	74.00	-13.26	28.02	3	Horizontal	136.7	1.80	-	28.34	4.38	-
AV	2.376G	46.45	54.00	-7.55	13.72	3	Horizontal	136.7	1.80	-	28.35	4.38	-
PK	2.4432G	113.20	Inf	-Inf	80.39	3	Horizontal	136.7	1.80	-	28.39	4.42	-
AV	2.4428G	101.75	Inf	-Inf	68.94	3	Horizontal	136.7	1.80	-	28.39	4.42	-
PK	2.4835G	71.60	74.00	-2.40	38.56	3	Horizontal	136.7	1.80	-	28.60	4.44	-
AV	2.4835G	49.89	54.00	-4.11	16.85	3	Horizontal	136.7	1.80	-	28.60	4.44	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2452MHz_TX

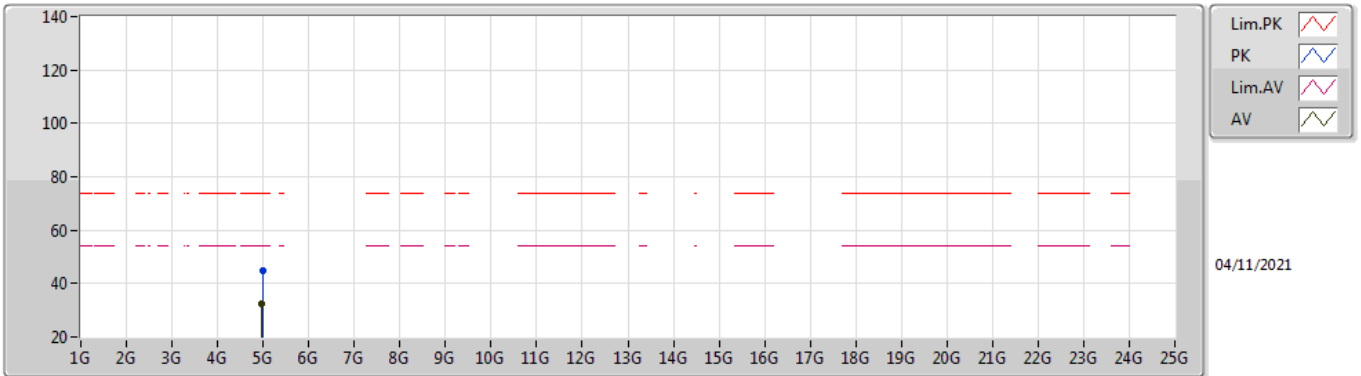


EUT Y_4TX
Setting 25
02-C-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.9288G	45.12	74.00	-28.88	39.04	3	Vertical	109	1.92	-	33.17	5.10	32.19	
AV	5.0028G	32.31	54.00	-21.69	26.16	3	Vertical	109	1.92	-	33.21	5.10	32.16	

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2452MHz_TX



EUT Y_4TX
Setting 25
02-C-S-8

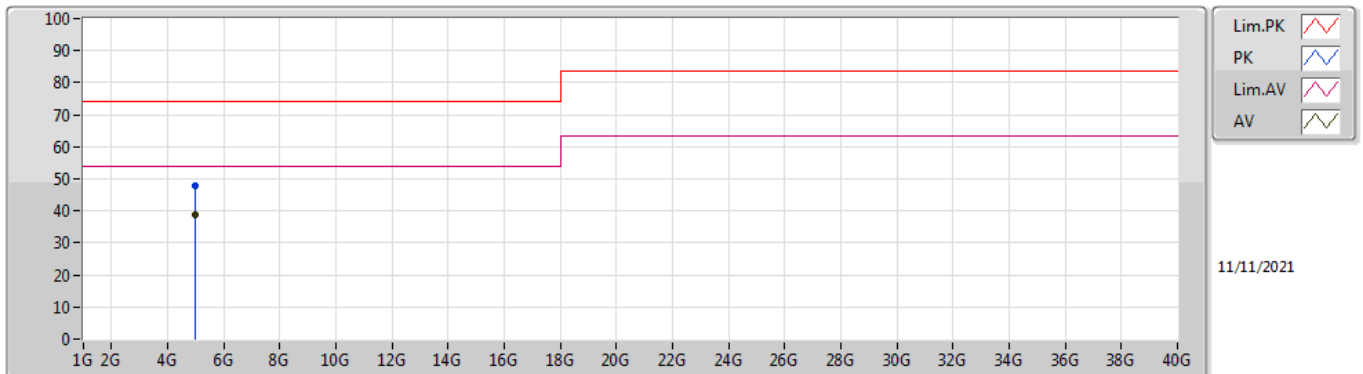
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.9992G	44.61	74.00	-29.39	38.47	3	Horizontal	48	2.48	-	33.20	5.10	32.16
AV	4.9772G	32.32	54.00	-21.68	26.14	3	Horizontal	48	2.48	-	33.25	5.10	32.17



Summary

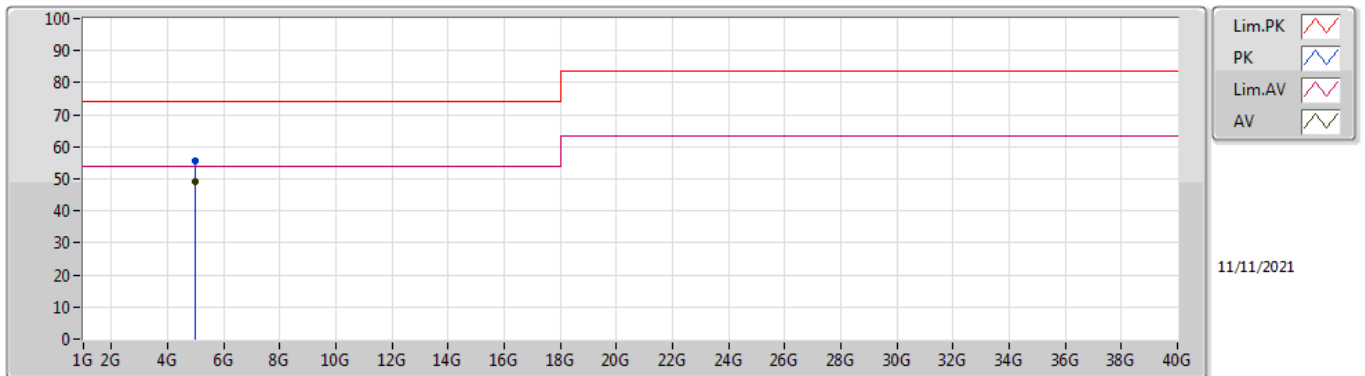
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	4.98864G	49.05	54.00	-4.95	Horizontal

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	4.98887G	48.03	74.00	-25.97	2.60	3	Vertical	228	1.00	-	45.43	31.83	6.59	35.82
AV	4.98862G	38.93	54.00	-15.07	2.60	3	Vertical	228	1.00	"Worst"	36.33	31.83	6.59	35.82

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	4.9888G	55.72	74.00	-18.28	2.60	3	Horizontal	224	1.00	-	53.12	31.83	6.59	35.82
AV	4.98864G	49.05	54.00	-4.95	2.60	3	Horizontal	224	1.00	"Worst"	46.45	31.83	6.59	35.82