

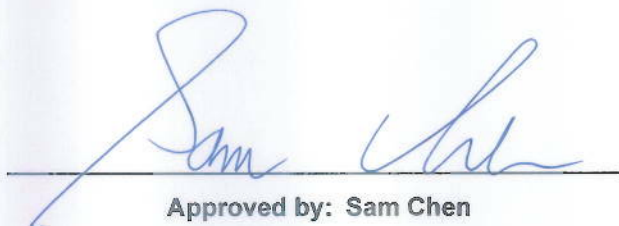


RADIO TEST REPORT

FCC ID : 2AHKM-CODA5814Q
Equipment : DOCIS 3.1 Wi-Fi 6 EMTA Gateway
Brand Name : Hitron
Model Name : CODA5814Q, CODA5810Q, CODA5610Q
Applicant : Hitron Technologies Inc.
No. 1-8, Li-Hsin 1st Rd. Hsinchu Science Park,
Hsinchu 30078, Taiwan
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 Oct. 05, 2021, and testing was started from Oct. 13, 2021 and completed on Jan. 06, 2022. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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



Approved by: Sam Chen

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



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Photographs of EUT v01



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



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: Sandy Chuang



1 General Description

1.1 Information

1.1.1 RF General Information

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

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	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	1	Airgain	N03HTAFE-PK1-LA1X80BUR2	PCB Antenna	I-PEX	Note 1
2	2	Airgain	N03HTAFF-PK1-LB1X90BU	PCB Antenna	I-PEX	
3	3	Airgain	N03HTAFG-PK1-LG1X130BUR2	PCB Antenna	I-PEX	
4	4	Airgain	N03HTAFH-PK1-LW1X150BU	PCB Antenna	I-PEX	

Note 1:

Ant.	Port	Antenna Gain (dBi)				
		2.4GHz	UNII 1	UNII 2A	UNII 2C	UNII 3
1	1	4.19	2.83	1.60	2.59	2.76
2	2	1.83	2.78	3.26	3.45	3.56
3	3	3.30	3.24	3.19	1.91	2.92
4	4	4.71	3.31	3.62	2.69	3.80
Directional Gain (dBi)						
		2.4GHz	UNII 1	UNII 2A	UNII 2C	UNII 3
4T1S		5.65	5.79	5.78	5.98	5.45
4T2S		4.71	3.31	3.62	3.45	3.80
4T4S		1.53	1.14	0.36	0.89	0.73

Note 2: The above information (brand / model name/ antenna type) was declared by the manufacturer.

Note 3:

WLAN 2.4GHz/5GHz(UNII 1 ~ UNII 3): The directional gain is measured which follows the procedure of KDB 662911 D03. The antenna report is provided in the operational description for this application.

Note 4: 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	0.615	2.11	688.75u	3k
802.11g	0.942	0.26	1.98m	1k
802.11ax HEW20	0.259	5.87	35u	10k
802.11ax HEW20-BF	0.92	0.36	1.761m	1k
802.11ax HEW40	0.866	0.62	5.447m	300
802.11ax HEW40-BF	0.921	0.36	1.761m	1k

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: Dos[10.0.10586]			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

Model Name	Voice Interface	Case color of EUT
CODA5814Q	V	Black
CODA5810Q	X	Black
CODA5610Q	X	White

Note 1: From the above models, model: CODA5814Q 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	TH02-CB	Brian Sun	22.7~24.1 / 55~56	Oct. 27, 2021~ Jan. 06, 2022
Radiated (Below 1GHz)	03CH05-CB	Stim Sung	22.5-23.6 / 56-59	Dec. 30, 2021
Radiated (Above 1GHz)	03CH01-CB	Bruce Yang	23.5-24.6 / 55-59	Oct. 13, 2021~ Dec. 30, 2021
Radiated (Radiated Emission Co-location)	03CH05-CB	Bruce Yang	22.5-23.6 / 56-59	Oct. 13, 2021~ Dec. 30, 2021
AC Conduction	CO01-CB	Peter Wu	21~22 / 56~58	Jan. 03, 2022

1.4 Measurement Uncertainty

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

Test 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	Power Setting
802.11b_Nss1,(1Mbps)_4TX	-
2412MHz	26
2437MHz	24.5
2462MHz	24.5
802.11g_Nss1,(6Mbps)_4TX	-
2412MHz	25.5
2437MHz	26
2462MHz	25
802.11ax HEW20_Nss1,(MCS0)_4TX	-
2412MHz	24.5
2437MHz	25.5
2462MHz	24
802.11ax HEW40_Nss1,(MCS0)_4TX	-
2422MHz	24.5
2437MHz	24.5
2452MHz	23

<For Beamforming>

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

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

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 Y axis
2	EUT in X axis
3	EUT in Z axis
For operating mode 1 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
	The EUT was performed at Y axis, X 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 Y axis, X 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.: FA193028 for Co-location RF Exposure Evaluation.	

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

The Adapter information as below:

Support Unit	Brand	Model Name
Adapter	Frecom	F60X-120450SPA

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 10 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 WLAN module 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	MOSO	MS-V4000R120-050A0-US	Input: 100-240V~, 50/60Hz, 1.3A max. Output: 12.0V, 4.0A
Others			
Coaxial cable*1: Shielded 1.0m			
RJ-45 cable*1: Non-shielded, 1.5m			

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Phone1	SAMPO	HT-B 907WL	N/A
B	Phone2	SAMPO	HT-B 907WL	N/A
C	2.4G NB	DELL	E6430	N/A
D	5G NB	DELL	E6430	N/A
E	WAN NB	DELL	E6430	N/A
F	CO (Terminal System)	hitron	RAC-500	N/A
G	LAN NB	DELL	E6430	N/A

For Radiated (below 1GHz):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Phone 1	SAMPO	HT-B 907WL	N/A
B	Phone 2	SAMPO	HT-B 907WL	N/A
C	NB	DELL	E4300	N/A
D	NB	DELL	E4300	N/A
E	CO (Terminal System)	hitron	RAC-500	N/A
F	NB	DELL	E4300	N/A
G	NB	DELL	E4300	N/A

**<For Non beamforming> Radiated (above 1GHz) and RF Conducted:**

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	Adapter	Frecom	F60X-120450SPA	N/A

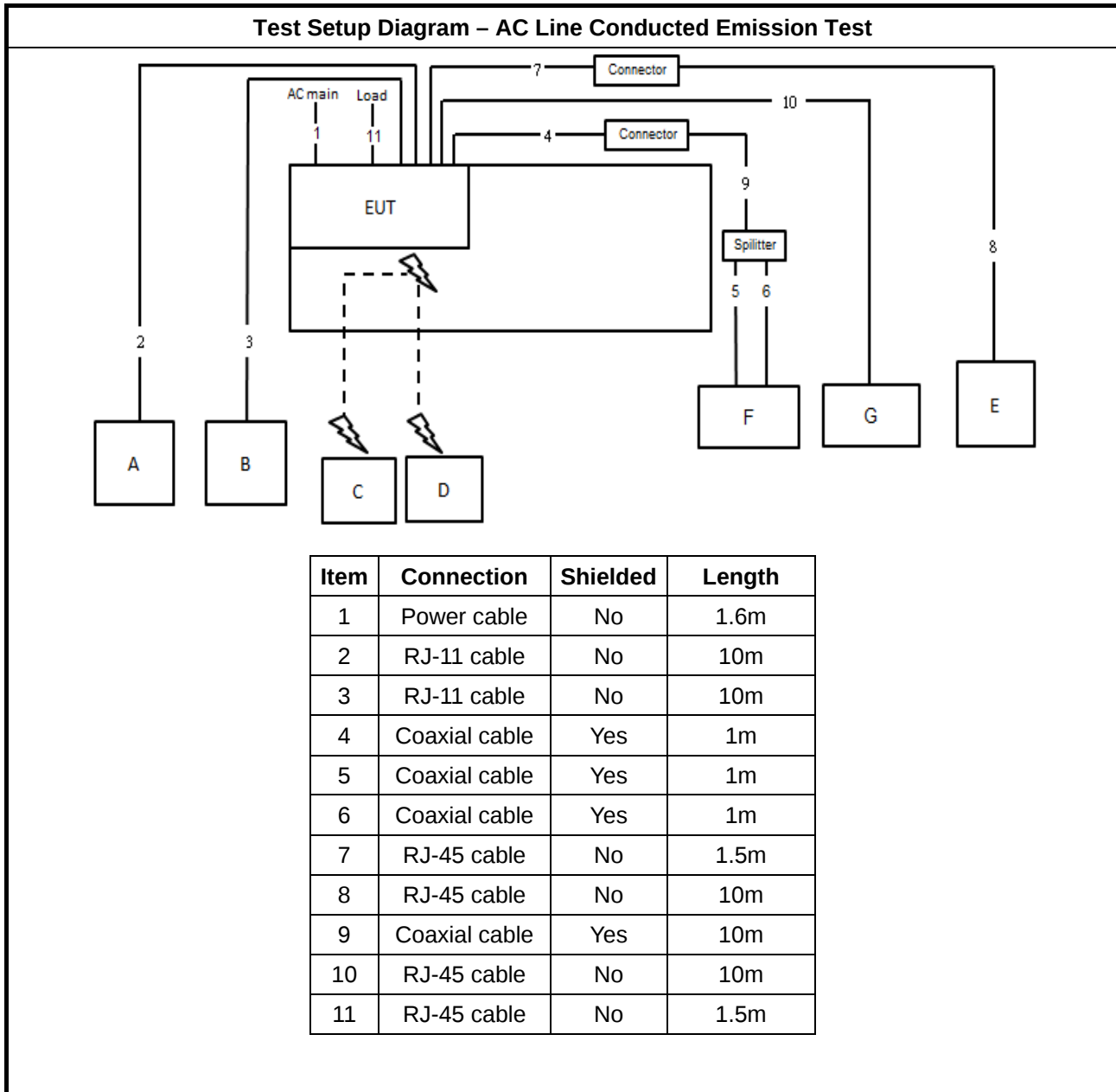
<For Beamforming> Radiated (above 1GHz):

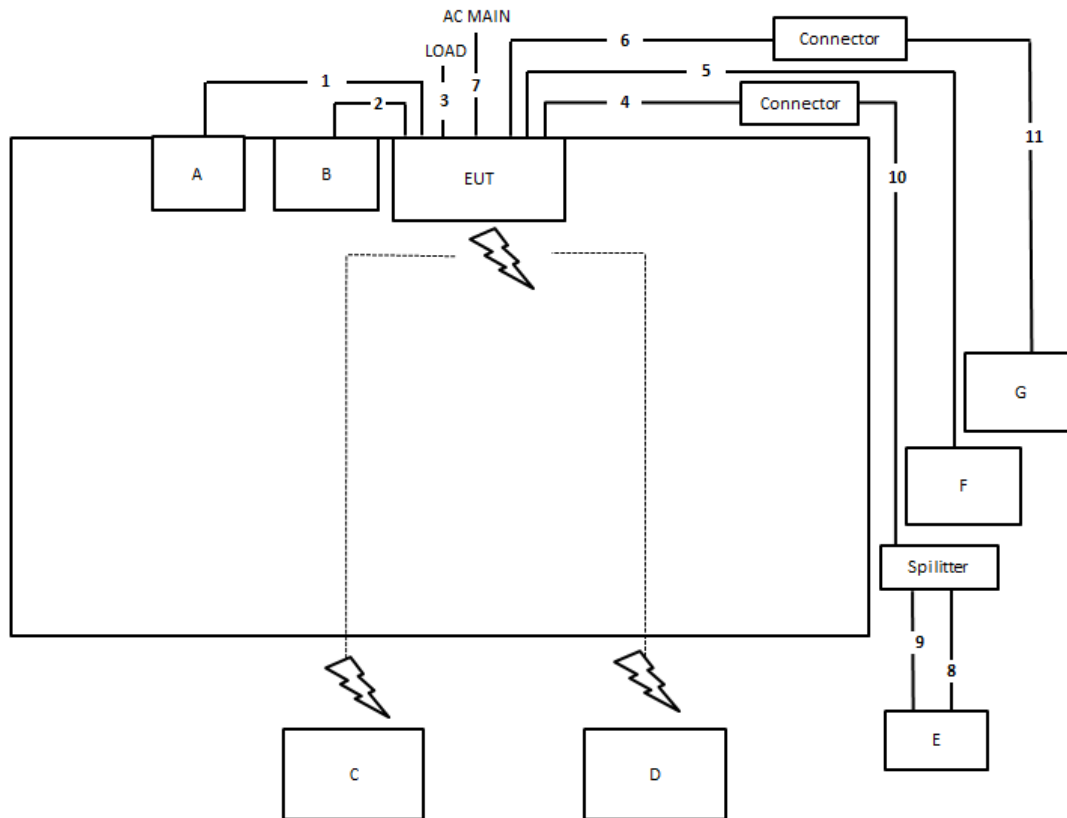
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	WLAN module	Intel	AX210NGW	PD9AX210NG
C	NB	DELL	E4300	N/A
D	Adapter	Frecom	F60X-120450SPA	N/A

<For Beamforming> 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	WLAN module	Intel	AX210NGW	PD9AX210NG
D	Adapter	Frecom	F60X-120450SPA	N/A

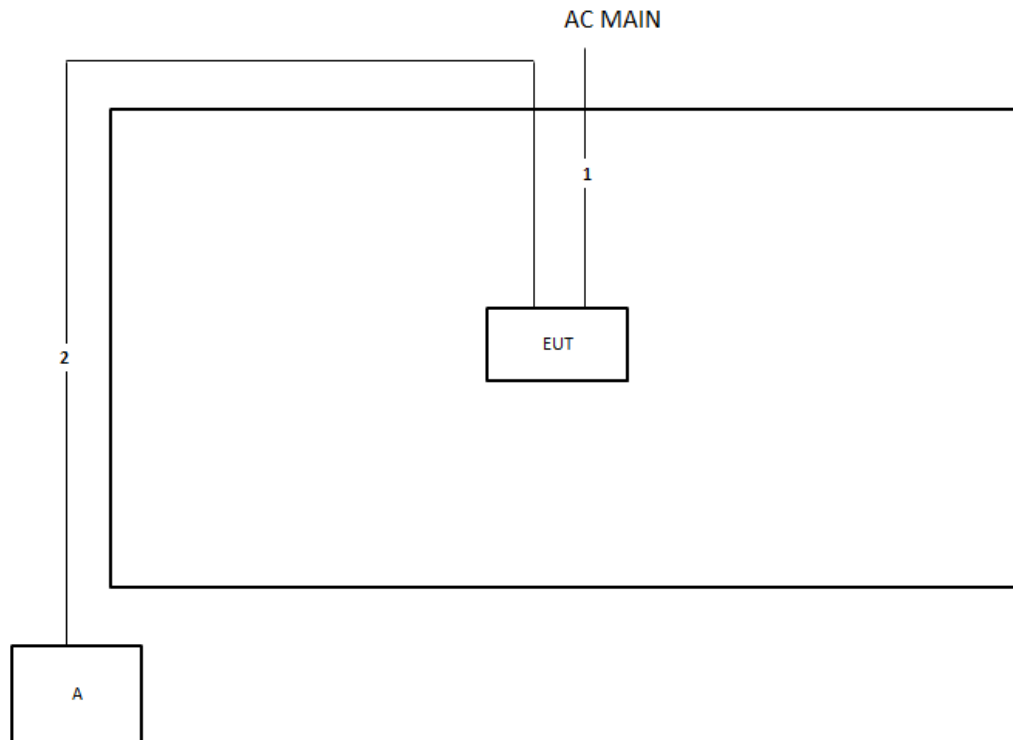
2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test < 1GHz


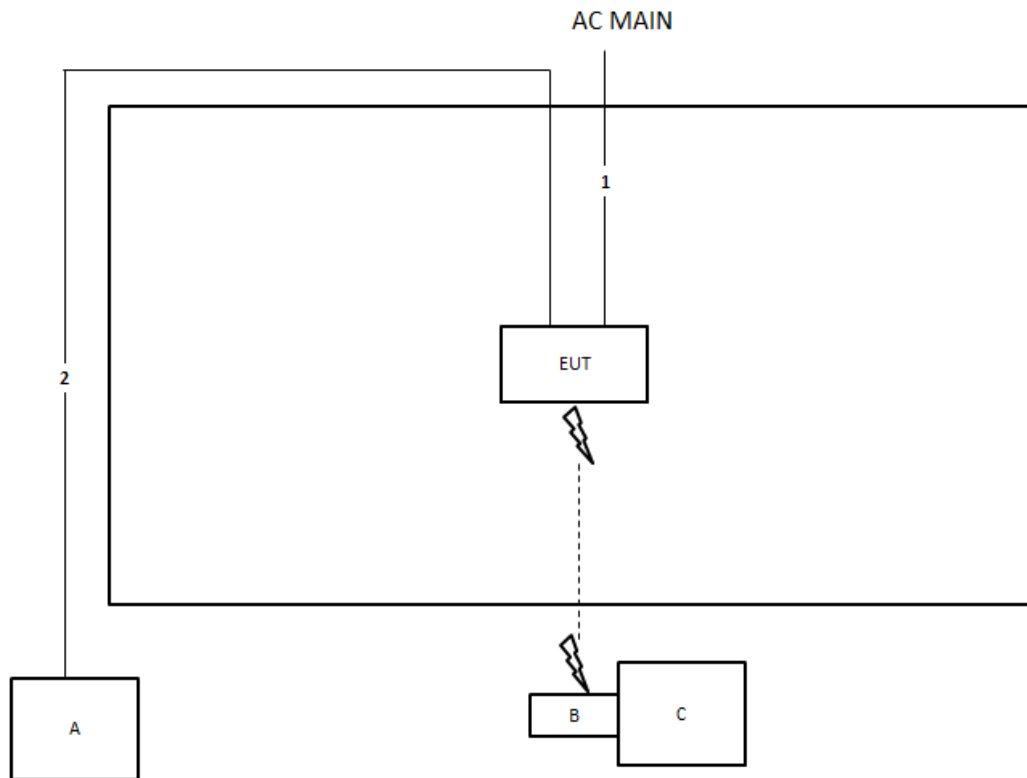
Item	Connection	Shielded	Length
1	RJ-11 cable	No	2m
2	RJ-11 cable	No	2m
3	RJ-45 cable	No	1.5m
4	Coaxial cable	Yes	1m
5	RJ-45 cable	No	10m
6	RJ-45 cable	No	1.5m
7	Power cable	No	1.6m
8	Coaxial cable	Yes	1m
9	Coaxial cable	Yes	1m
10	Coaxial cable	Yes	10m
11	RJ-45 cable	No	10m

**Test Setup Diagram - Radiated Test > 1GHz
<For Non beamforming>**



Item	Connection	Shielded	Length
1	Power cable	No	2.7m
2	RJ-45 cable	No	10m

**Test Setup Diagram - Radiated Test > 1GHz
<For beamforming>**



Item	Connection	Shielded	Length
1	Power cable	No	2.7m
2	RJ-45 cable	No	10m



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

Note 1: * Decreases with the logarithm of the frequency.

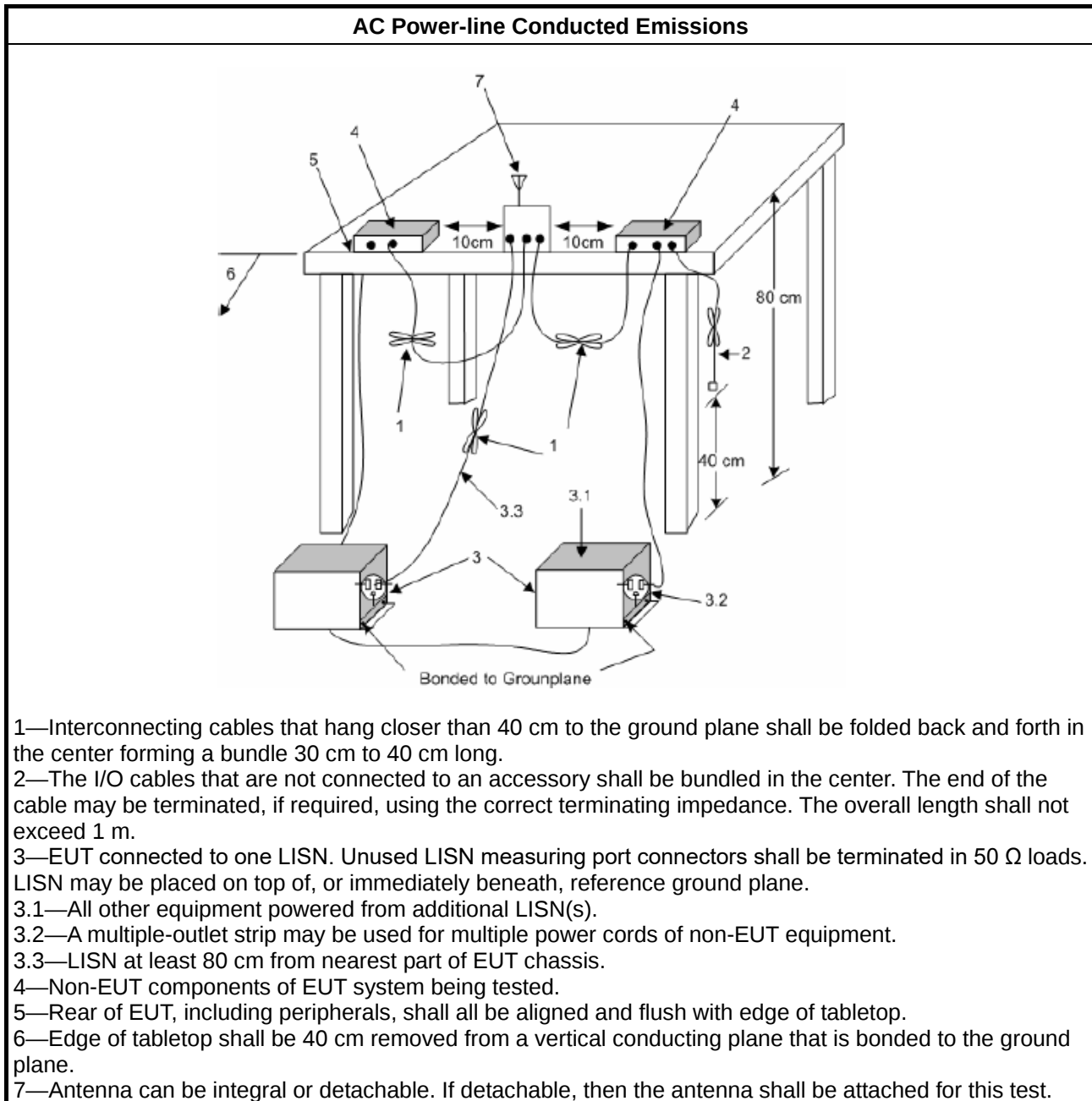
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



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.

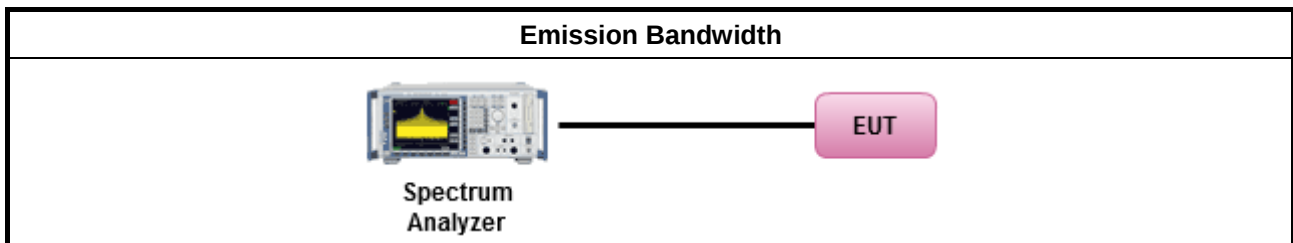
3.2.2 Measuring Instruments

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.	

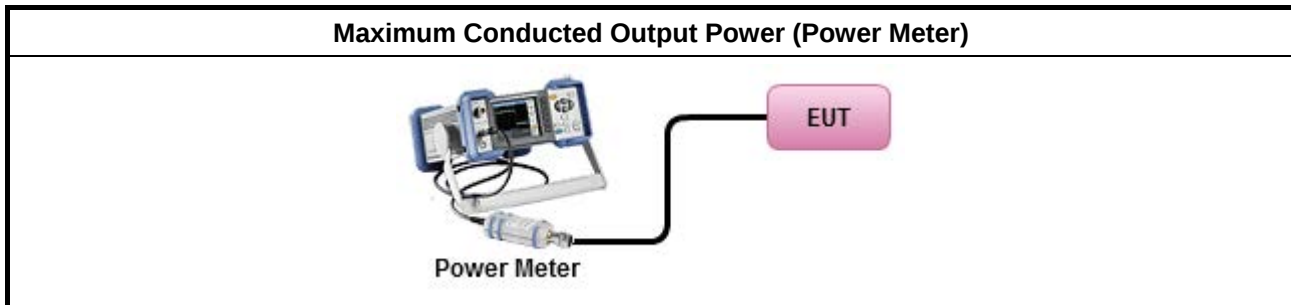
3.3.2 Measuring Instruments

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

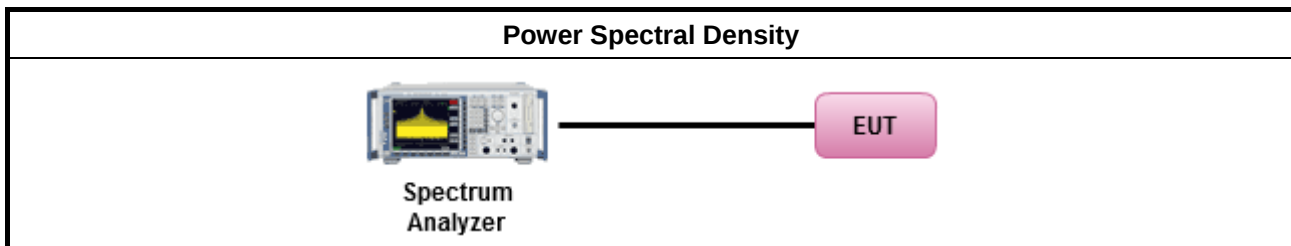
3.4.2 Measuring Instruments

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.	

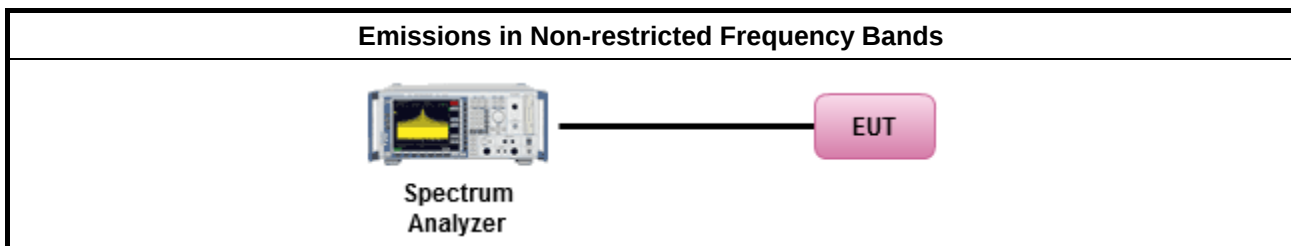
3.5.2 Measuring Instruments

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

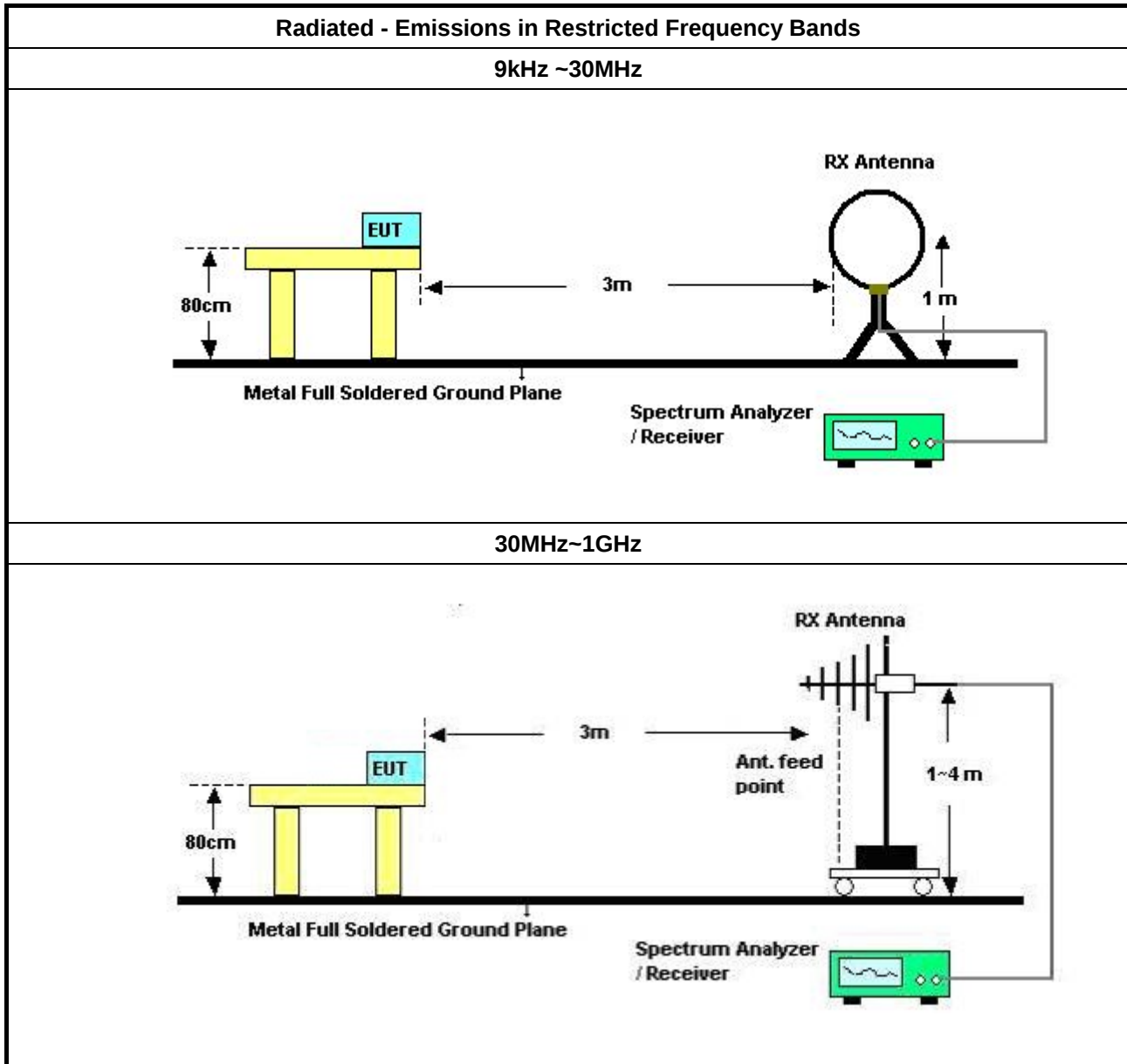
Refer a test equipment and calibration data table in this test report.

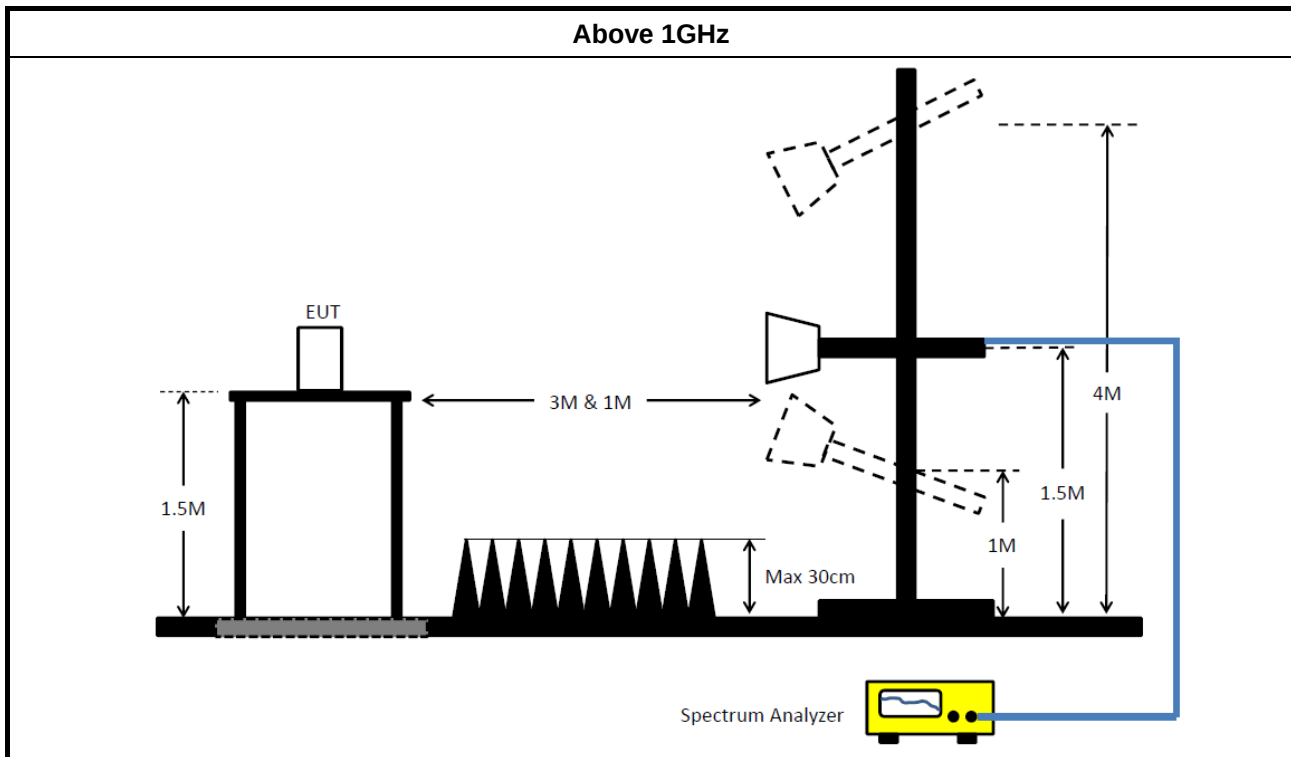


3.6.3 Test Procedures

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 (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 09, 2021	Aug. 08, 2022	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Nov. 07, 2021	Nov. 06, 2022	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	BBHA9120D	BBHA 9120 D-1291	1GHz~18GHz	Oct. 14, 2021	Oct. 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-HG	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. 13, 2021	Oct. 12, 2022	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 13, 2021	Oct. 12, 2022	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 13, 2021	Oct. 12, 2022	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)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH05-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 07, 2021	May 06, 2022	Radiation (03CH01-CB)
Horn Antenna	ETS-LINDGREN	3115	00075790	750MHz ~ 18GHz	Nov. 06, 2021	Nov. 05, 2022	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 20, 2021	May 19, 2022	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	May 03, 2021	May 02, 2022	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Aug. 02, 2021	Aug. 01, 2022	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1126203	300MHz~40GHz	Oct. 25, 2021	Oct. 24, 2022	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1210004	300MHz~40GHz	Oct. 25, 2021	Oct. 24, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz ~ 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz ~ 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-03	1 GHz ~ 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz ~ 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH02-CB)



RADIO TEST REPORT

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Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH02-CB)

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

NCR means Non-Calibration required.



Conducted Emissions at Powerline

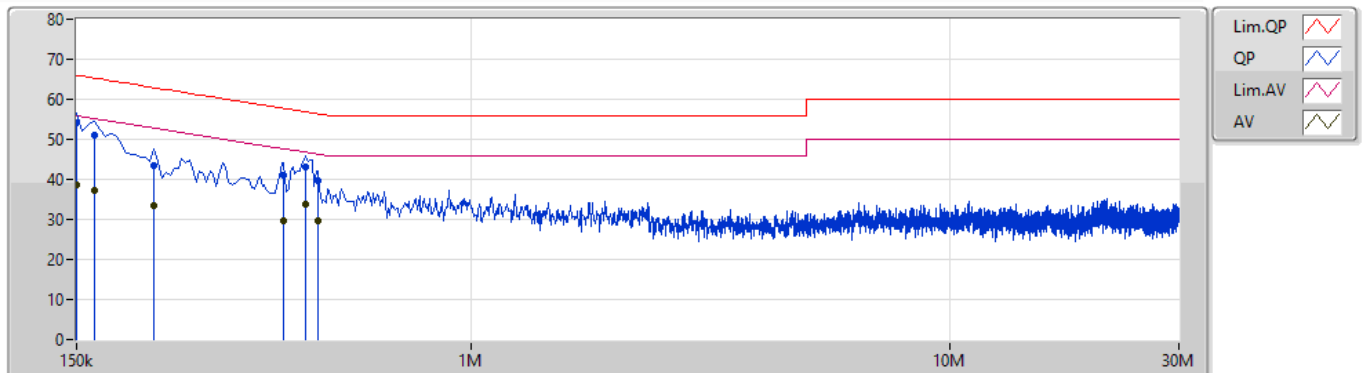
Appendix A

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	150k	53.97	66.00	-12.03	Line

Mode 1

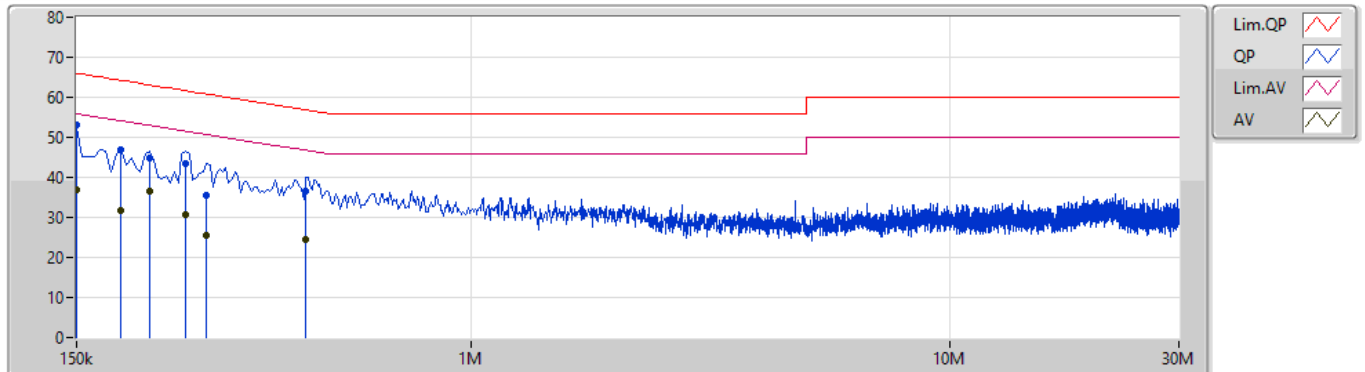
03/01/2022



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	150k	53.97	66.00	-12.03	9.89	Line	"Worst"	44.08	0.04	0.04	9.81			
AV	150k	38.75	56.00	-17.25	9.89	Line	-	28.86	0.04	0.04	9.81			
QP	163.5k	51.13	65.27	-14.14	9.89	Line	-	41.24	0.04	0.04	9.81			
AV	163.5k	37.23	55.27	-18.04	9.89	Line	-	27.34	0.04	0.04	9.81			
QP	217.5k	43.53	62.92	-19.39	9.89	Line	-	33.64	0.04	0.04	9.81			
AV	217.5k	33.51	52.92	-19.41	9.89	Line	-	23.62	0.04	0.04	9.81			
QP	406.5k	41.00	57.72	-16.72	9.90	Line	-	31.10	0.04	0.04	9.82			
AV	406.5k	29.72	47.72	-18.00	9.90	Line	-	19.82	0.04	0.04	9.82			
QP	451.5k	43.03	56.84	-13.81	9.90	Line	-	33.13	0.04	0.04	9.82			
AV	451.5k	33.65	46.84	-13.19	9.90	Line	-	23.75	0.04	0.04	9.82			
QP	478.5k	39.52	56.36	-16.84	9.90	Line	-	29.62	0.04	0.04	9.82			
AV	478.5k	29.51	46.36	-16.85	9.90	Line	-	19.61	0.04	0.04	9.82			

Mode 1

03/01/2022



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	150k	53.22	66.00	-12.78	9.88	Neutral	"Worst"	43.34	0.03	0.04	9.81			
AV	150k	36.83	56.00	-19.17	9.88	Neutral	-	26.95	0.03	0.04	9.81			
QP	186k	46.97	64.20	-17.23	9.88	Neutral	-	37.09	0.03	0.04	9.81			
AV	186k	31.85	54.20	-22.35	9.88	Neutral	-	21.97	0.03	0.04	9.81			
QP	213k	44.88	63.09	-18.21	9.88	Neutral	-	35.00	0.03	0.04	9.81			
AV	213k	36.66	53.09	-16.43	9.88	Neutral	-	26.78	0.03	0.04	9.81			
QP	253.5k	43.52	61.64	-18.12	9.88	Neutral	-	33.64	0.03	0.04	9.81			
AV	253.5k	30.80	51.64	-20.84	9.88	Neutral	-	20.92	0.03	0.04	9.81			
QP	280.5k	35.58	60.80	-25.22	9.88	Neutral	-	25.70	0.03	0.04	9.81			
AV	280.5k	25.35	50.80	-25.45	9.88	Neutral	-	15.47	0.03	0.04	9.81			
QP	451.5k	36.54	56.84	-20.30	9.89	Neutral	-	26.65	0.03	0.04	9.82			
AV	451.5k	24.51	46.84	-22.33	9.89	Neutral	-	14.62	0.03	0.04	9.82			

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_4TX	9.05M	14.318M	14M3G1D	7.075M	13.318M
802.11g_Nss1,(6Mbps)_4TX	16.525M	27.061M	27M1D1D	16.3M	16.717M
802.11ax HEW20_Nss1,(MCS0)_4TX	19.175M	19.865M	19M9D1D	18.9M	19.09M
802.11ax HEW40_Nss1,(MCS0)_4TX	38.05M	38.231M	38M2D1D	35.2M	37.681M

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

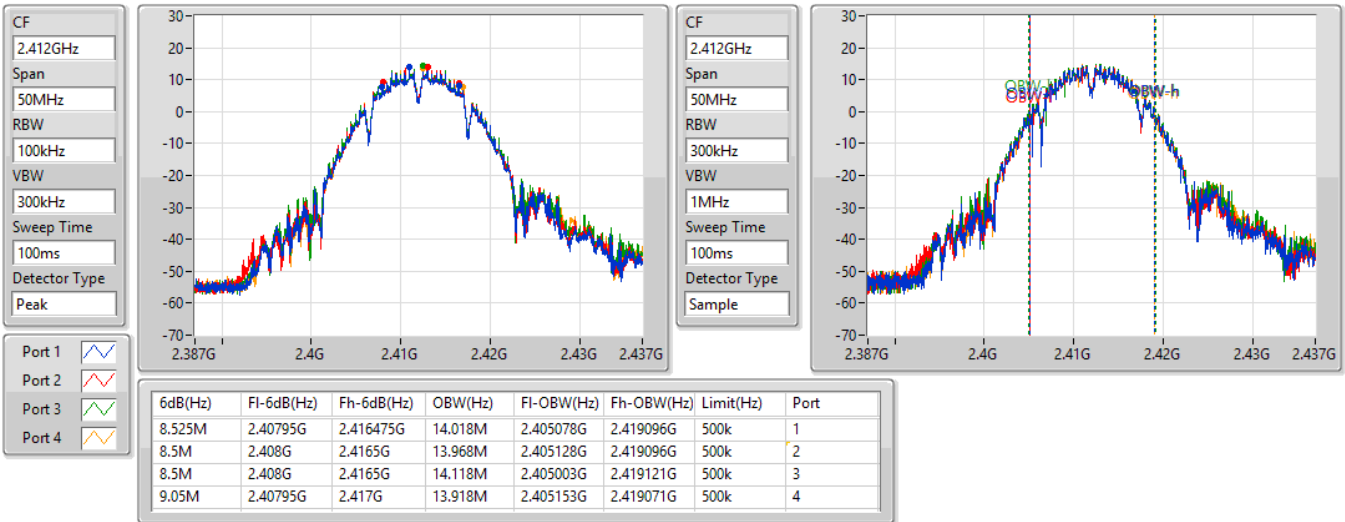
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	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	8.525M	14.018M	8.5M	13.968M	8.5M	14.118M	9.05M	13.918M
2437MHz	Pass	500k	8.55M	13.543M	7.55M	13.368M	8.525M	13.518M	8.525M	13.318M
2462MHz	Pass	500k	8.075M	14.318M	8.075M	13.493M	7.075M	14.143M	7.525M	13.593M
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	16.3M	16.742M	16.35M	16.792M	16.35M	16.717M	16.325M	16.742M
2437MHz	Pass	500k	16.35M	18.766M	16.375M	18.316M	16.35M	17.741M	16.35M	17.941M
2462MHz	Pass	500k	16.525M	17.066M	16.4M	17.591M	16.425M	27.061M	16.5M	26.537M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	19.05M	19.115M	18.925M	19.14M	19.075M	19.09M	18.95M	19.14M
2437MHz	Pass	500k	19.075M	19.69M	19.05M	19.865M	19.075M	19.44M	19.175M	19.615M
2462MHz	Pass	500k	18.95M	19.115M	18.95M	19.09M	19.025M	19.09M	18.9M	19.115M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	36.25M	37.681M	36.35M	37.731M	35.2M	37.831M	37.65M	37.731M
2437MHz	Pass	500k	37.55M	37.881M	37.75M	38.231M	38.05M	37.981M	37.6M	38.031M
2452MHz	Pass	500k	37.4M	37.881M	36.3M	37.781M	37.3M	37.881M	37.1M	38.031M

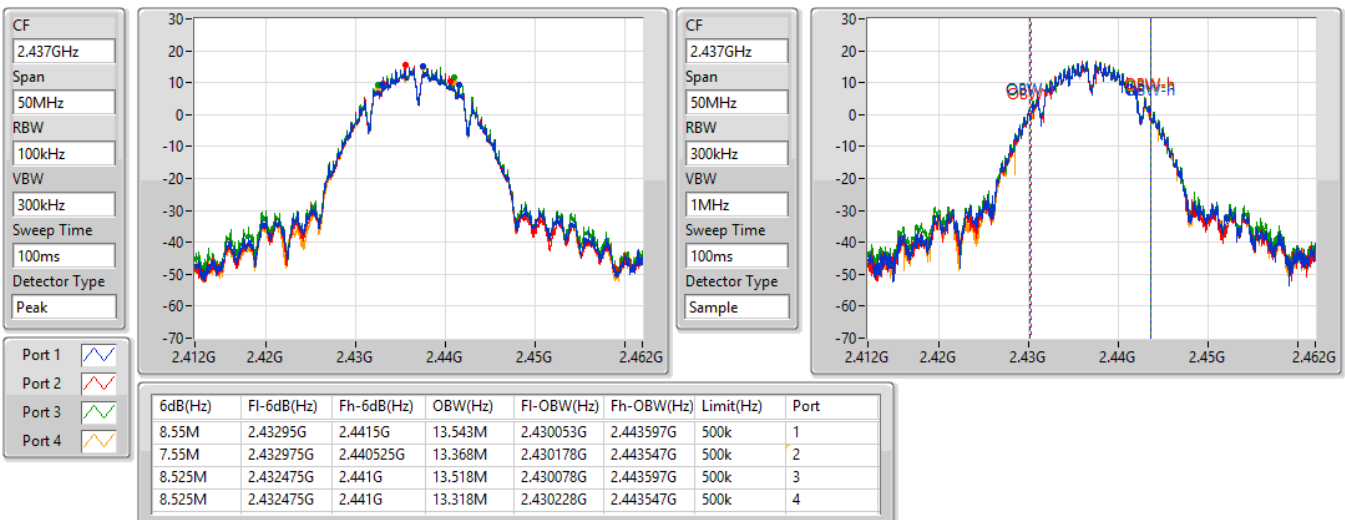
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

802.11b_Nss1,(1Mbps)_4TX
EBW
2412MHz

27/10/2021

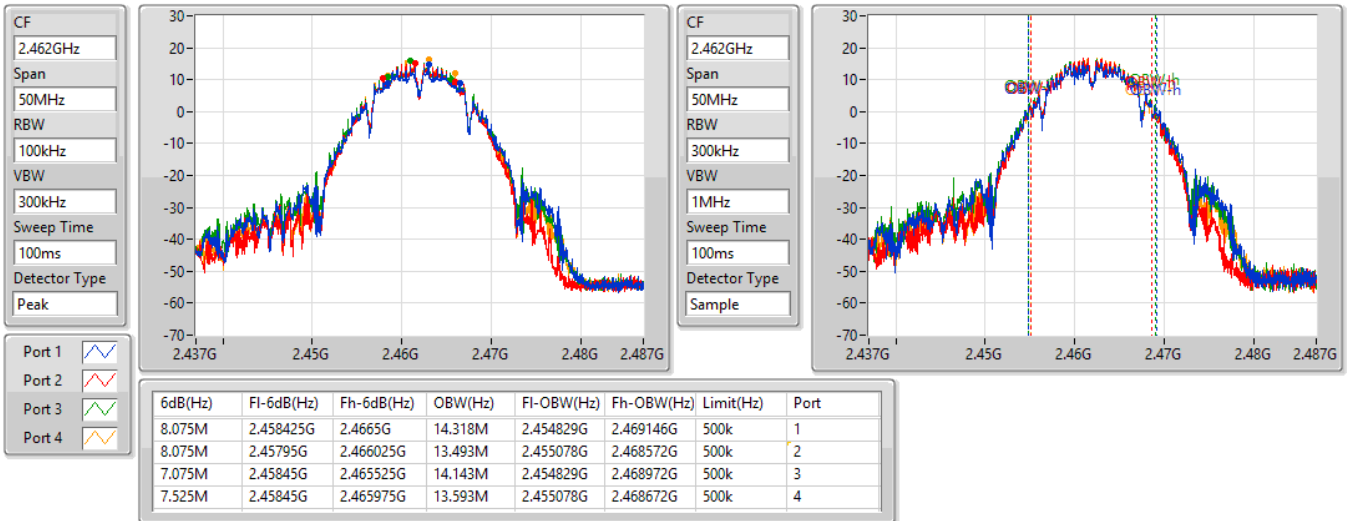

802.11b_Nss1,(1Mbps)_4TX
EBW
2437MHz

27/10/2021

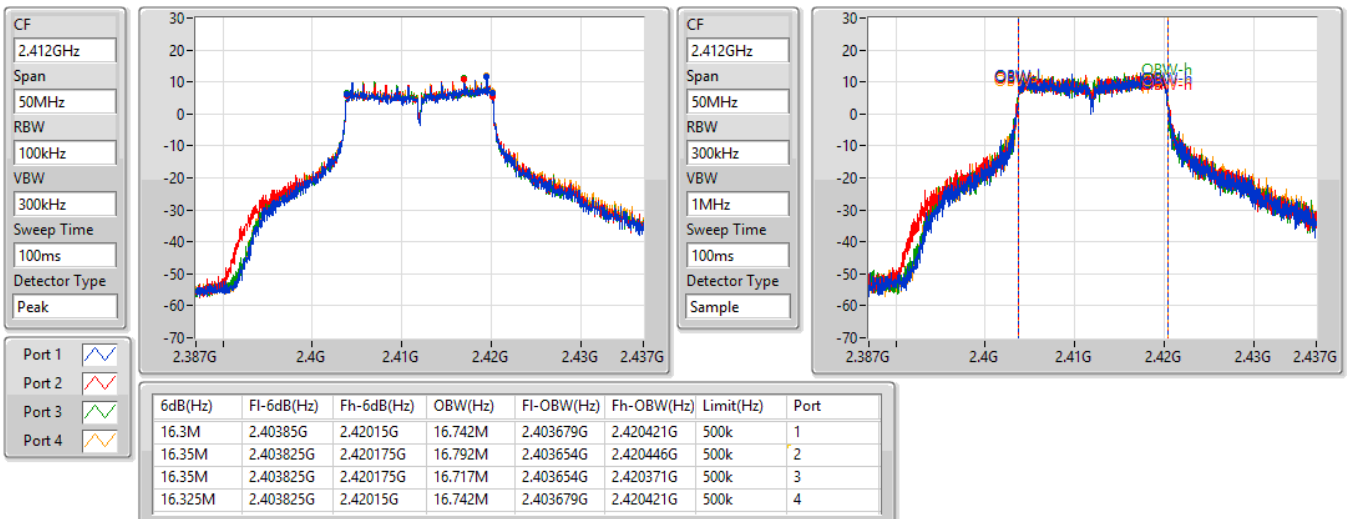


802.11b_Nss1,(1Mbps)_4TX
EBW
2462MHz

27/10/2021


802.11g_Nss1,(6Mbps)_4TX
EBW
2412MHz

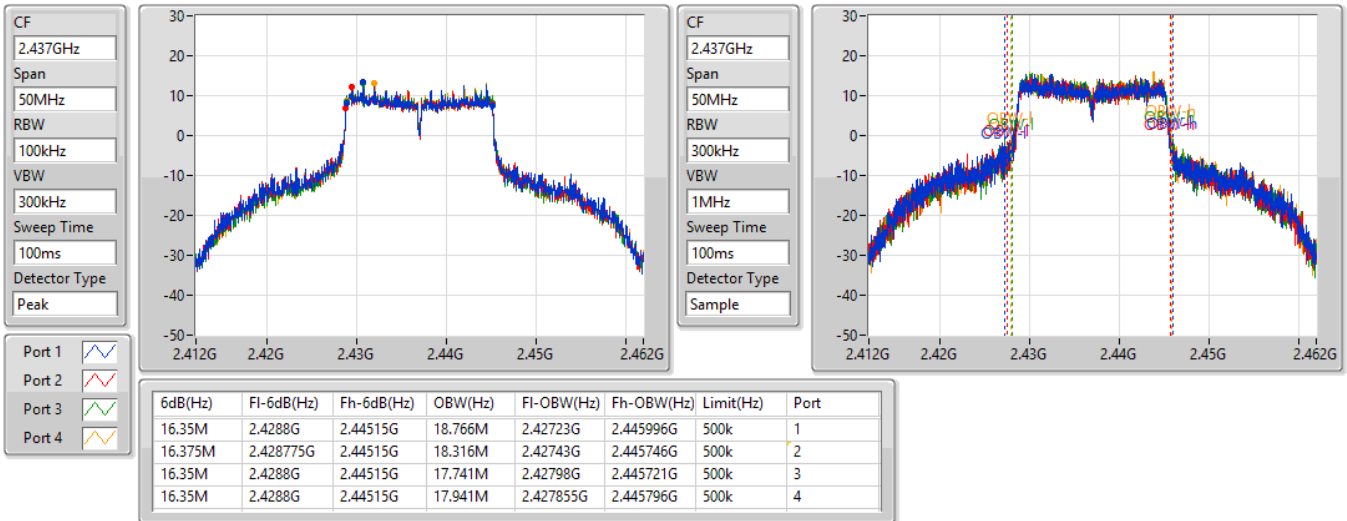
27/10/2021



802.11g_Nss1,(6Mbps)_4TX

2437MHz

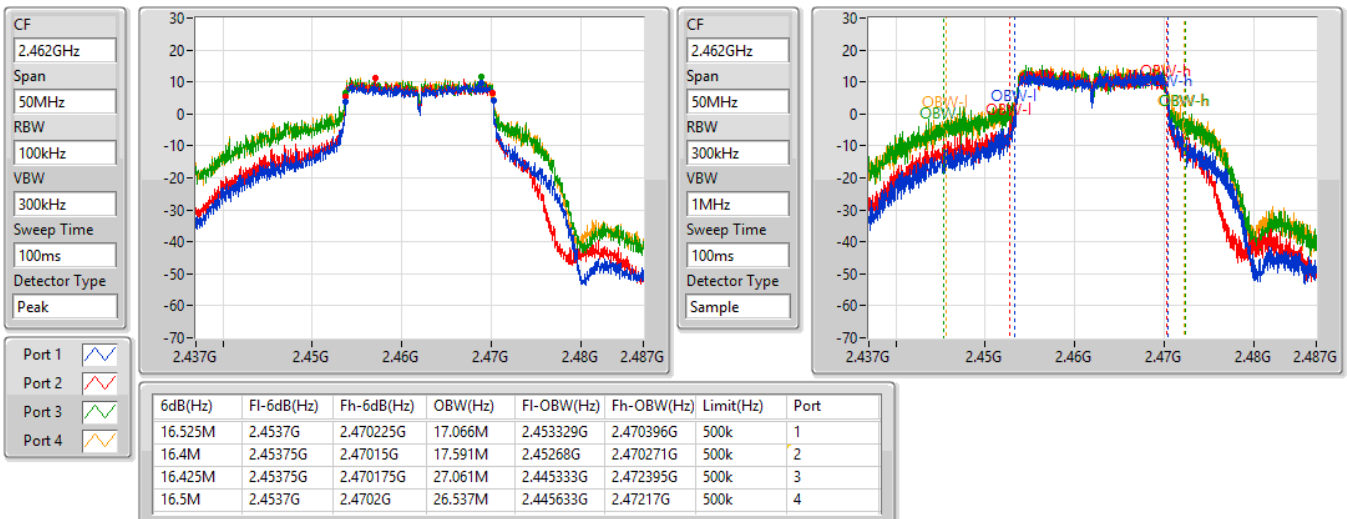
27/10/2021



802.11g_Nss1,(6Mbps)_4TX

2462MHz

27/10/2021

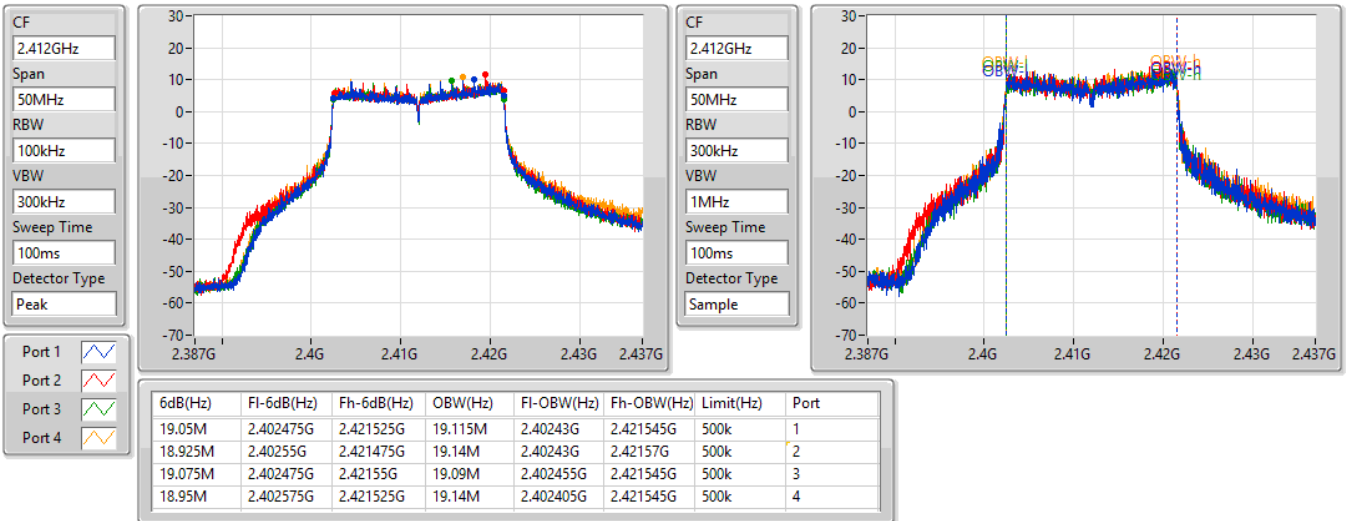


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

2412MHz

27/10/2021

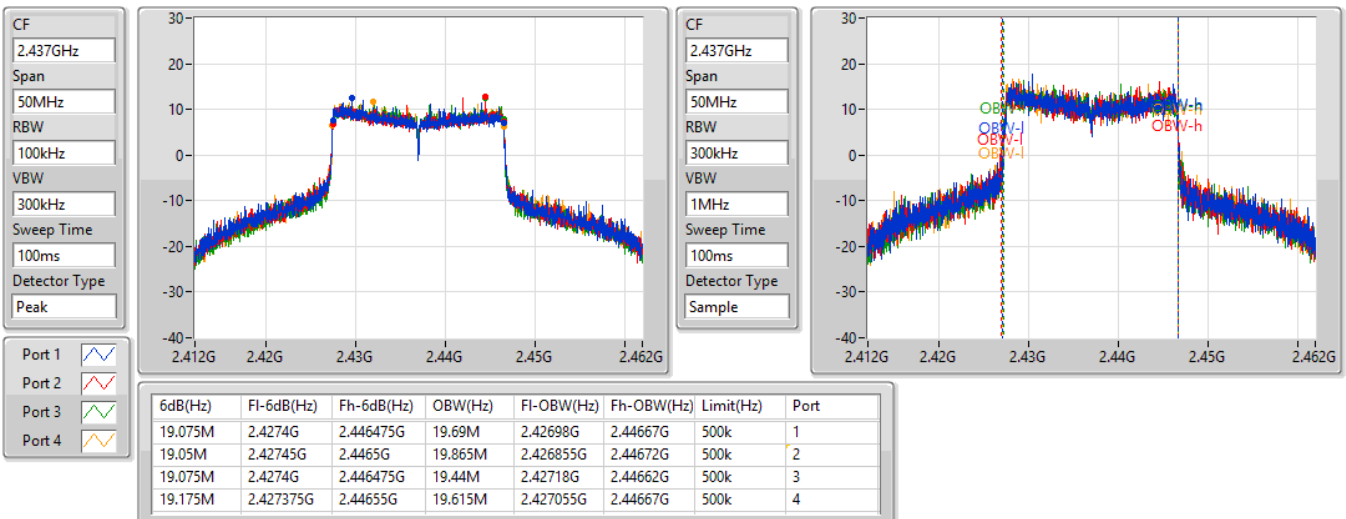


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

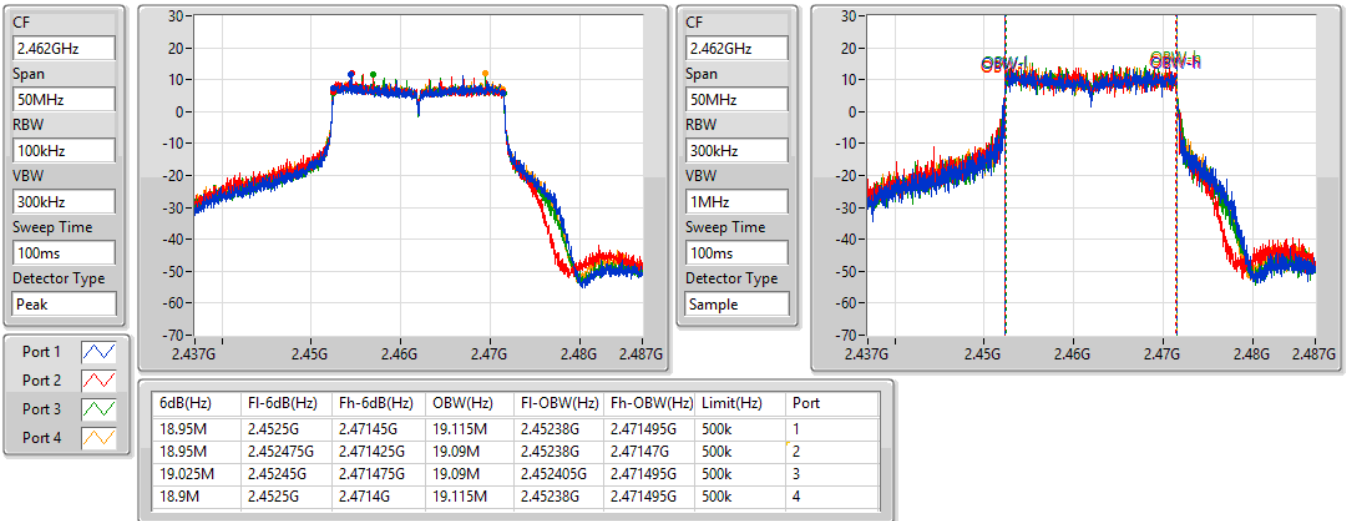
2437MHz

27/10/2021

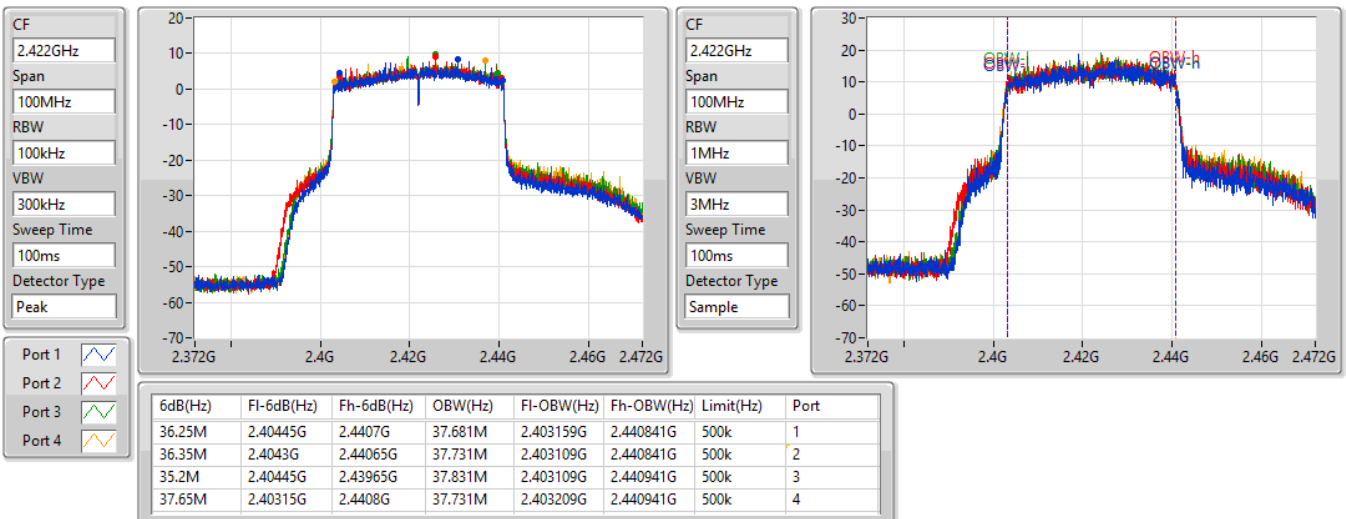


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
2462MHz

27/10/2021

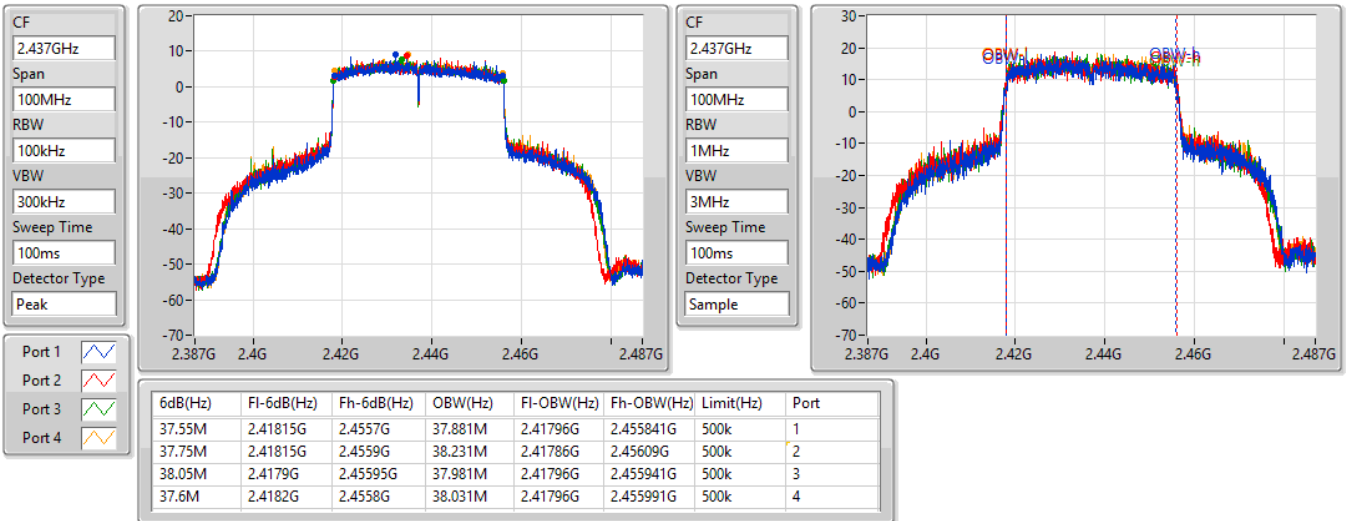

802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
2422MHz

27/10/2021

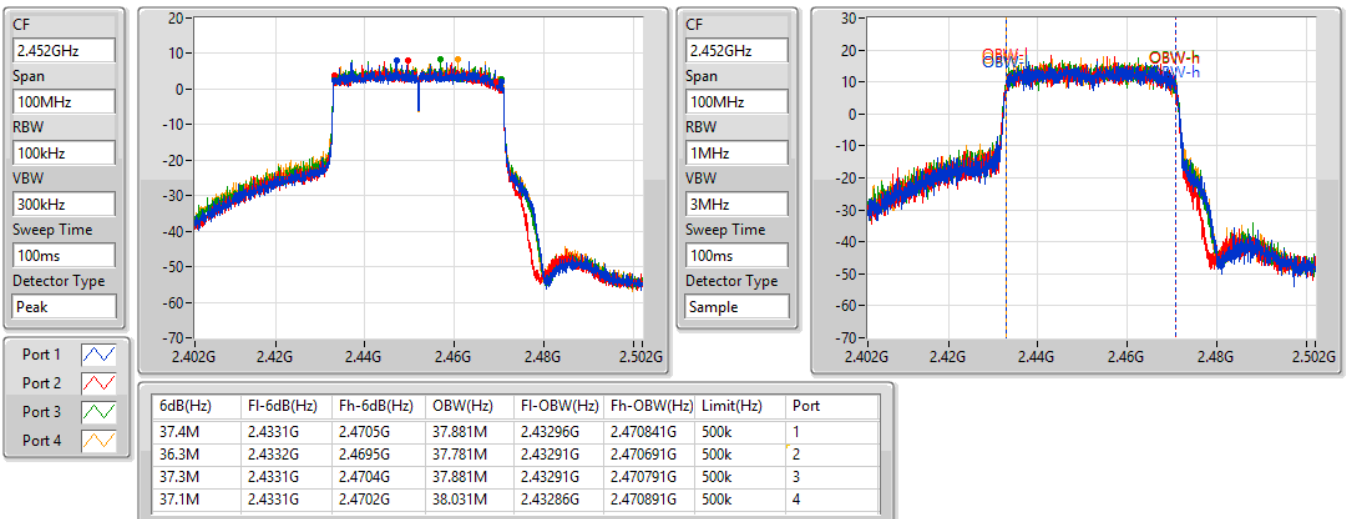


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
2437MHz

27/10/2021


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
2452MHz

27/10/2021



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	19.1M	19.115M	19M1D1D	18.8M	19.015M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	35.1M	37.981M	38M0D1D	21.25M	37.531M

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

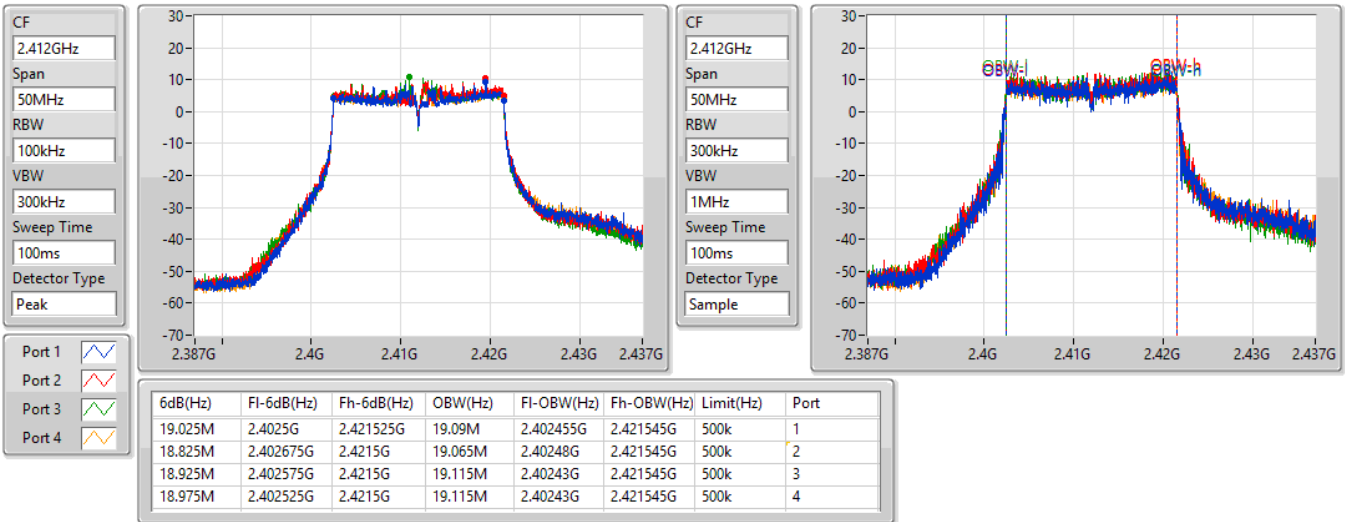
Result

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	19.025M	19.09M	18.825M	19.065M	18.925M	19.115M	18.975M	19.115M
2437MHz	Pass	500k	18.975M	19.04M	19.1M	19.09M	18.95M	19.065M	18.95M	19.04M
2462MHz	Pass	500k	18.8M	19.065M	19.05M	19.015M	18.875M	19.04M	18.9M	19.015M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	30.95M	37.581M	31M	37.531M	35.1M	37.731M	29.95M	37.681M
2437MHz	Pass	500k	26.3M	37.581M	21.25M	37.681M	21.25M	37.631M	31.25M	37.631M
2452MHz	Pass	500k	31.35M	37.981M	35M	37.681M	31.25M	37.781M	28.75M	37.831M

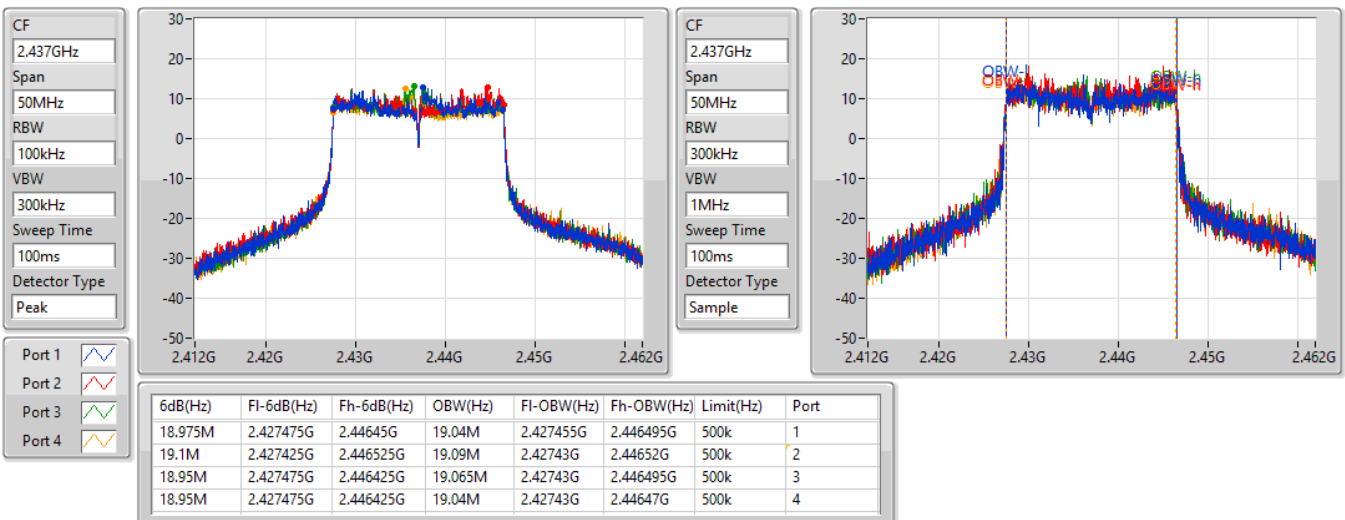
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

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

27/10/2021

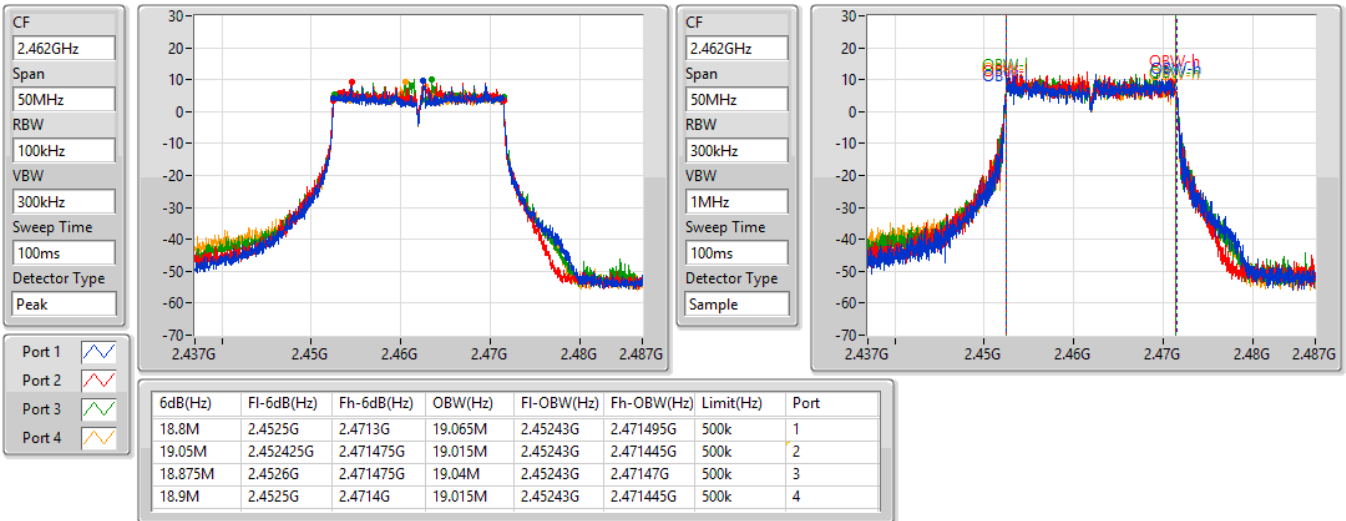

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
2437MHz

27/10/2021

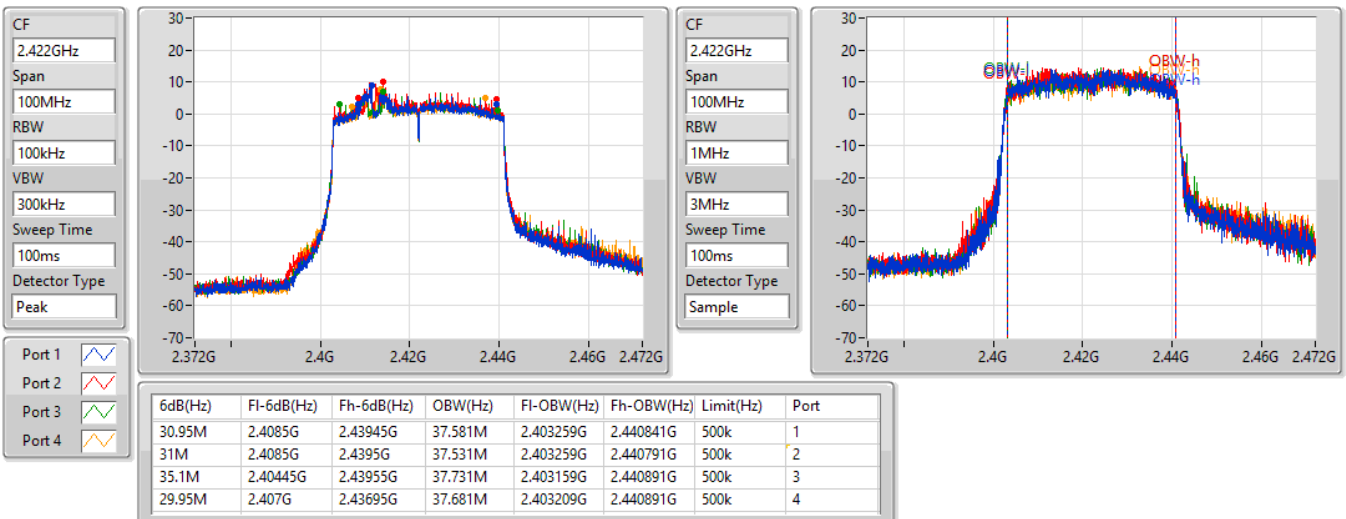


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
2462MHz

27/10/2021

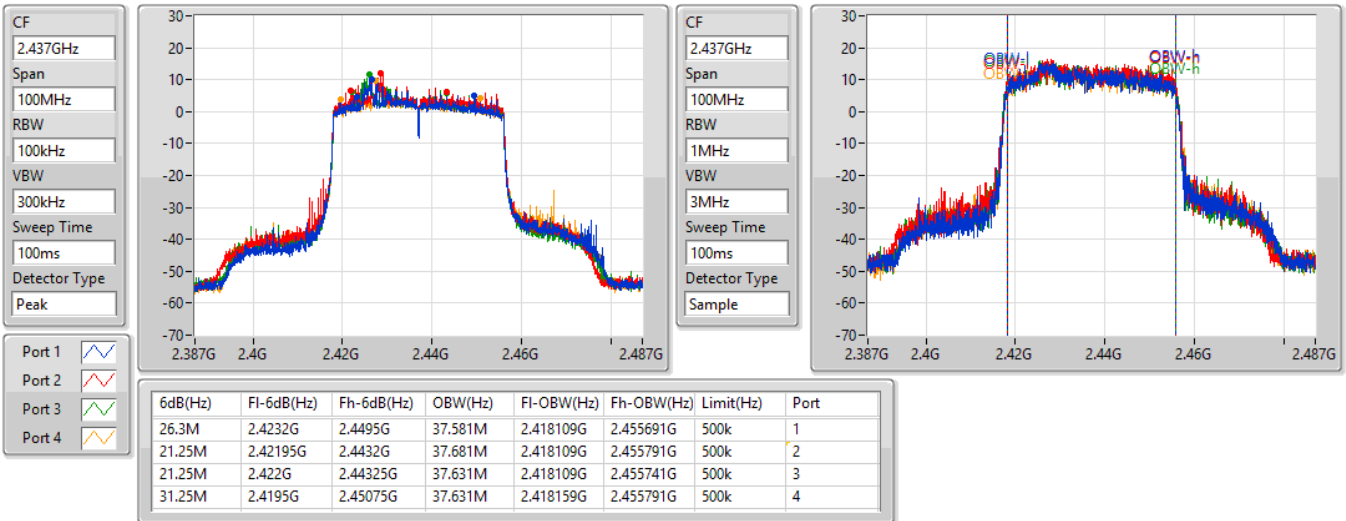

802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
2422MHz

27/10/2021

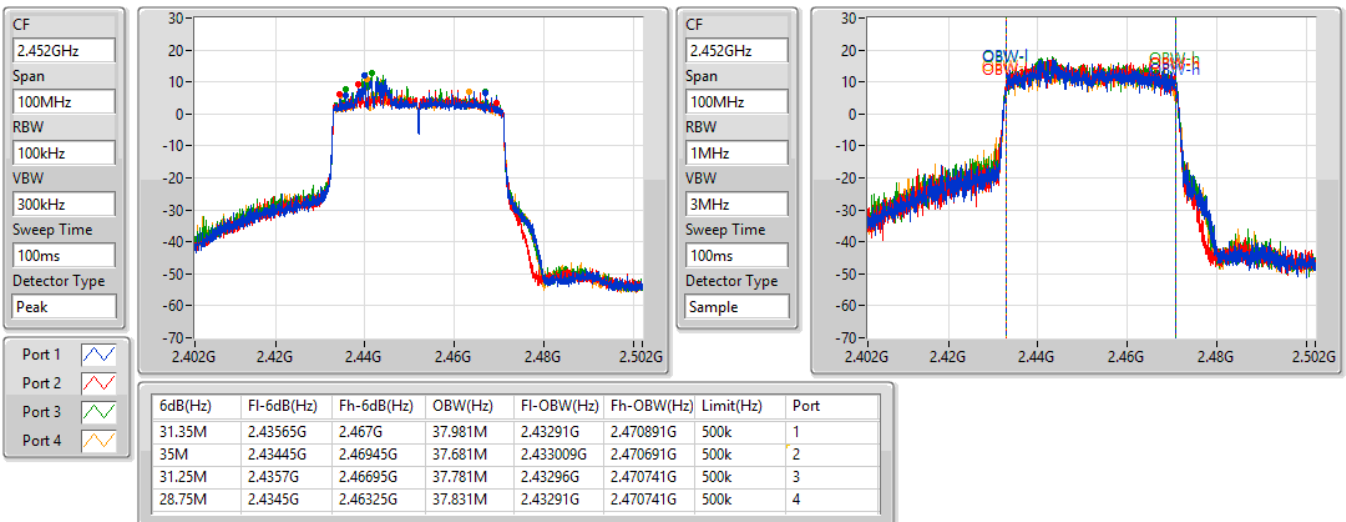


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
2437MHz

27/10/2021


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

27/10/2021



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_4TX	29.79	0.95280
802.11g_Nss1,(6Mbps)_4TX	29.83	0.96161
802.11ax HEW20_Nss1,(MCS0)_4TX	29.92	0.98175
802.11ax HEW40_Nss1,(MCS0)_4TX	29.32	0.85507

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	4.71	21.99	22.16	22.57	22.45	28.32	30.00
2437MHz	Pass	4.71	23.52	23.78	24.11	23.66	29.79	30.00
2462MHz	Pass	4.71	23.22	23.55	23.95	24.07	29.73	30.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	4.71	21.36	21.27	21.61	21.79	27.53	30.00
2437MHz	Pass	4.71	23.76	23.65	23.83	23.99	29.83	30.00
2462MHz	Pass	4.71	22.84	23.16	23.01	23.46	29.14	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	4.71	20.95	21.18	21.22	21.50	27.24	30.00
2437MHz	Pass	4.71	23.76	23.73	24.02	24.08	29.92	30.00
2462MHz	Pass	4.71	22.40	22.50	22.64	22.82	28.61	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	4.71	22.09	22.26	22.51	22.70	28.42	30.00
2437MHz	Pass	4.71	22.96	23.19	23.44	23.57	29.32	30.00
2452MHz	Pass	4.71	21.83	22.02	22.39	22.59	28.24	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	28.50	0.70795
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	27.71	0.59020



Average Power<For Beamforming>

Appendix C.2

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.65	19.48	20.37	20.26	19.50	25.94	30.00
2437MHz	Pass	5.65	22.24	23.13	22.33	22.14	28.50	30.00
2462MHz	Pass	5.65	19.22	20.10	20.12	19.40	25.75	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	5.65	19.50	20.33	19.89	19.29	25.79	30.00
2437MHz	Pass	5.65	20.00	21.19	20.77	19.97	26.53	30.00
2452MHz	Pass	5.65	21.15	21.93	22.34	21.22	27.71	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	5.42
802.11g_Nss1,(6Mbps)_4TX	1.68
802.11ax HEW20_Nss1,(MCS0)_4TX	1.39
802.11ax HEW40_Nss1,(MCS0)_4TX	-1.54

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.65	-1.71	-0.94	0.27	-0.71	4.30	8.00
2437MHz	Pass	5.65	0.98	0.19	1.53	0.11	5.42	8.00
2462MHz	Pass	5.65	-0.39	0.49	0.69	2.13	5.28	8.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.65	-5.38	-6.00	-5.21	-5.78	-0.32	8.00
2437MHz	Pass	5.65	-3.75	-3.07	-3.85	-2.71	1.68	8.00
2462MHz	Pass	5.65	-4.67	-3.75	-3.34	-3.91	0.86	8.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.65	-5.15	-4.95	-4.65	-4.54	-0.89	8.00
2437MHz	Pass	5.65	-2.92	-0.85	-2.39	-1.33	1.39	8.00
2462MHz	Pass	5.65	-4.41	-3.01	-3.43	-3.41	0.09	8.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	5.65	-6.27	-5.20	-5.78	-4.96	-2.12	8.00
2437MHz	Pass	5.65	-5.51	-5.04	-4.96	-4.05	-1.54	8.00
2452MHz	Pass	5.65	-6.58	-7.47	-6.66	-6.56	-2.81	8.00

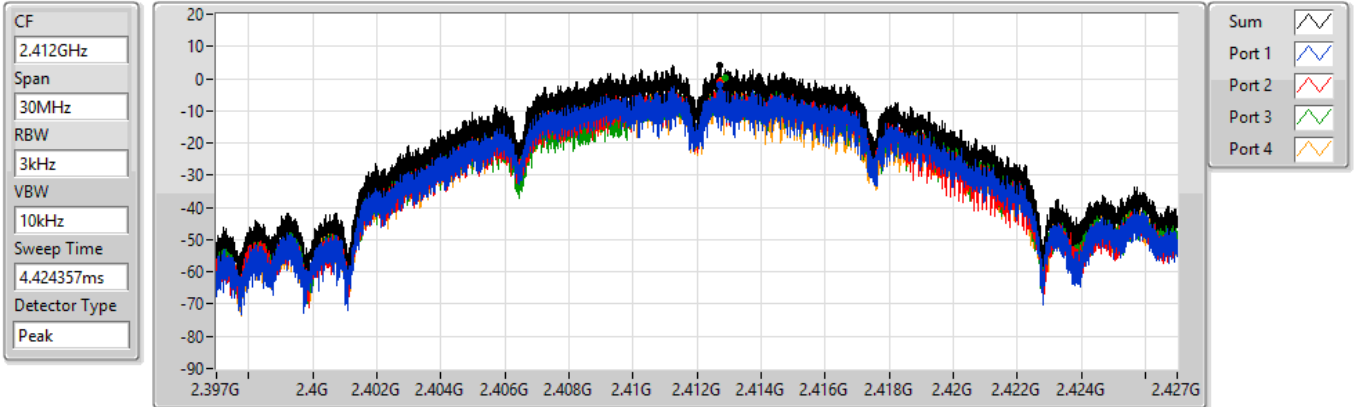
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11b_Nss1,(1Mbps)_4TX

PSD

2412MHz

27/10/2021



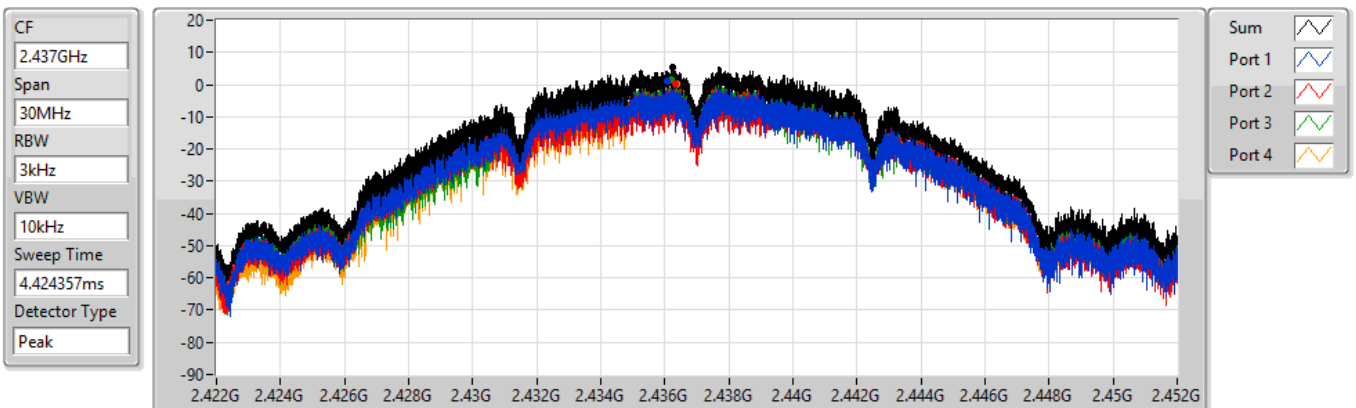
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.30	4.30	-1.71	-0.94	0.27	-0.71

802.11b_Nss1,(1Mbps)_4TX

PSD

2437MHz

27/10/2021



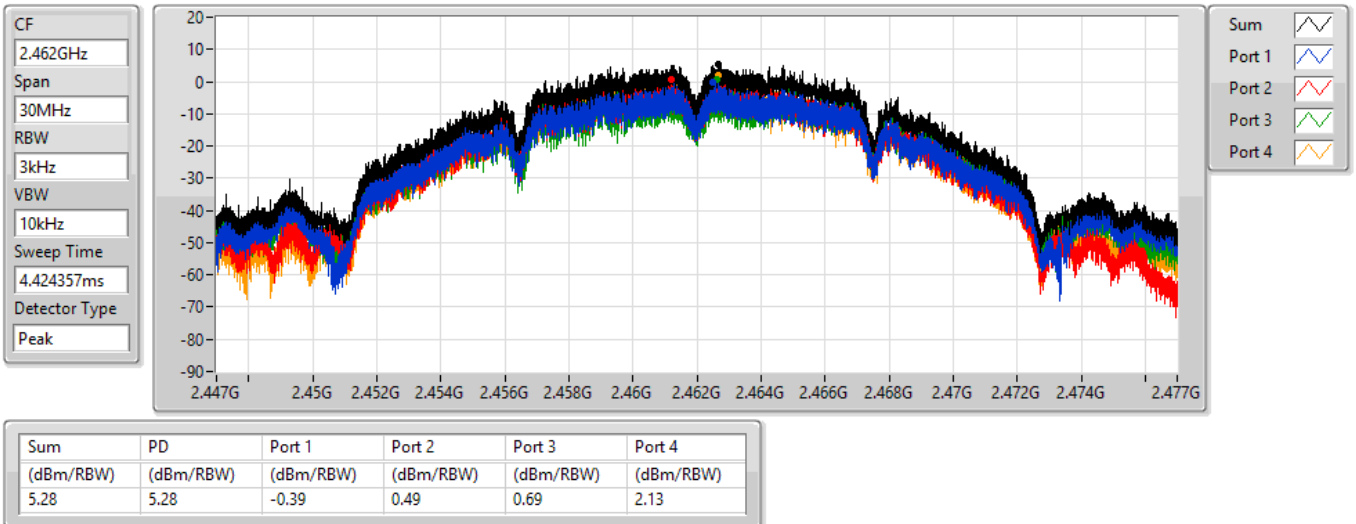
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.42	5.42	0.98	0.19	1.53	0.11

802.11b_Nss1,(1Mbps)_4TX

2462MHz

PSD

27/10/2021

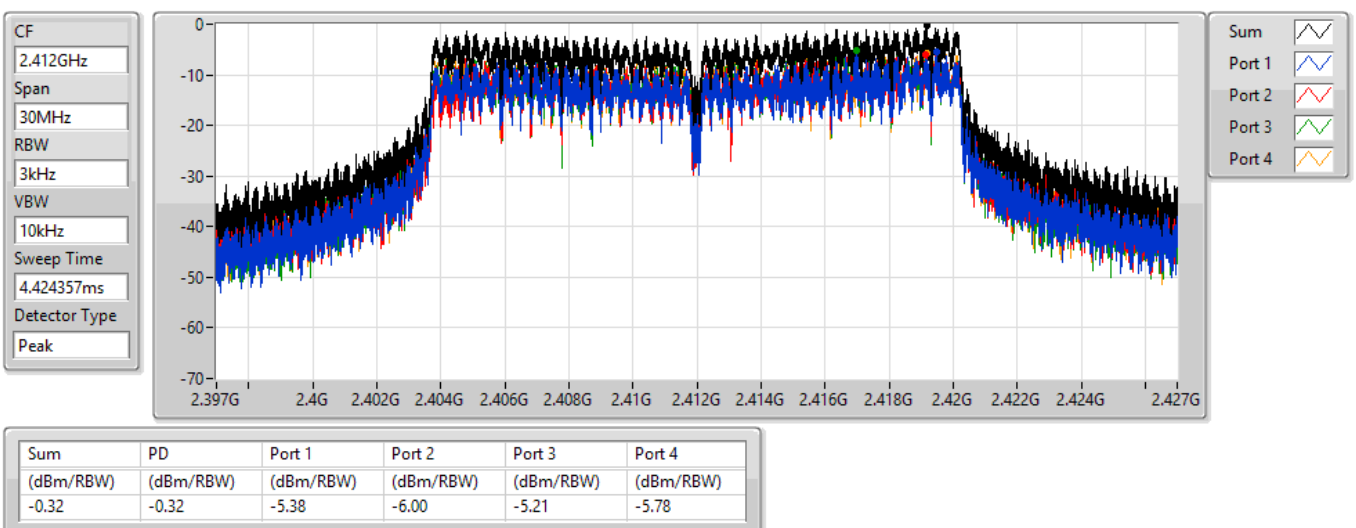


802.11g_Nss1,(6Mbps)_4TX

2412MHz

PSD

27/10/2021

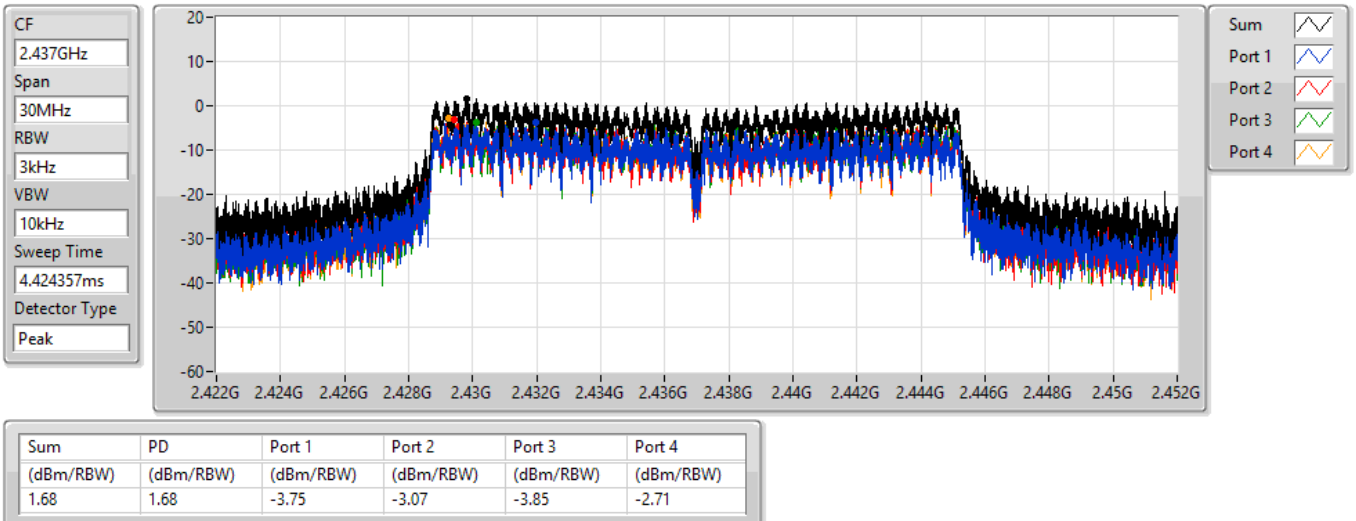


802.11g_Nss1,(6Mbps)_4TX

2437MHz

PSD

27/10/2021

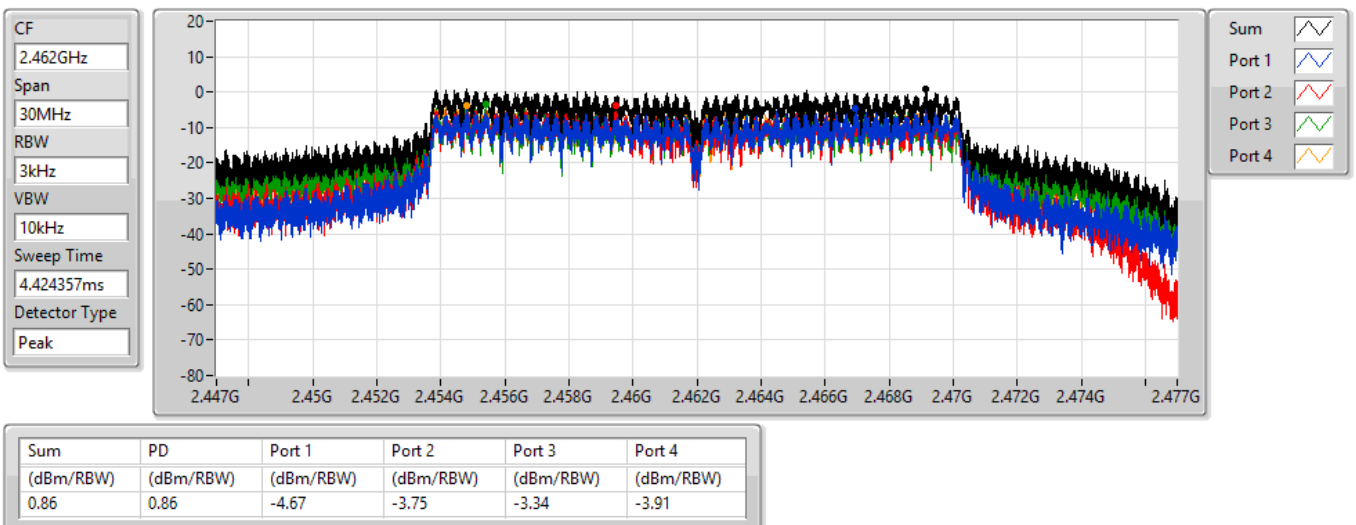


802.11g_Nss1,(6Mbps)_4TX

2462MHz

PSD

27/10/2021

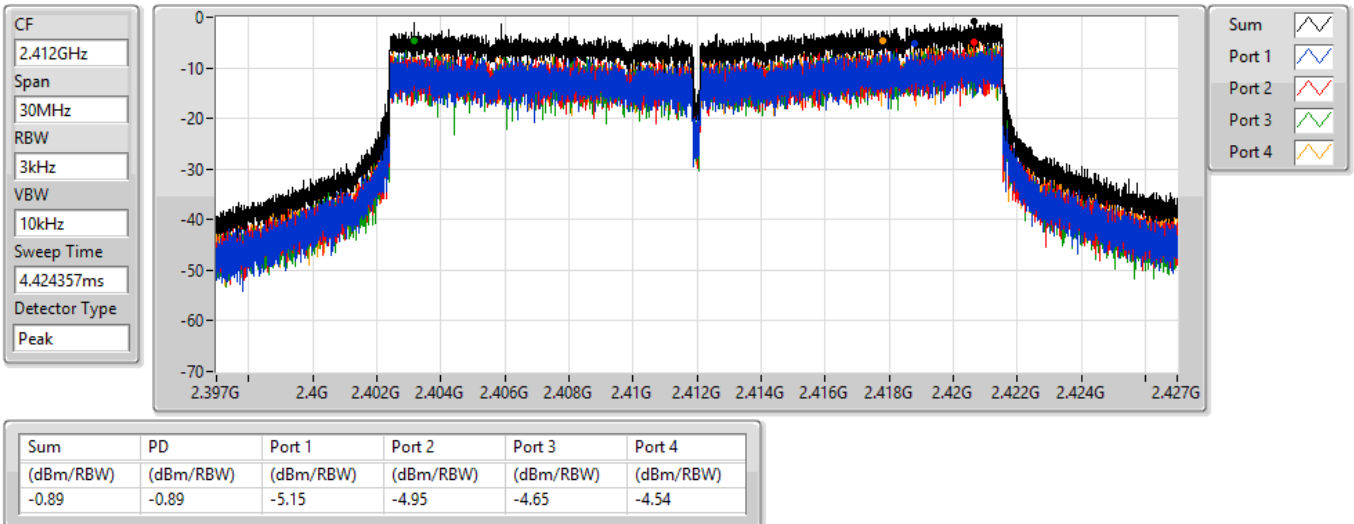


802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz

PSD

27/10/2021

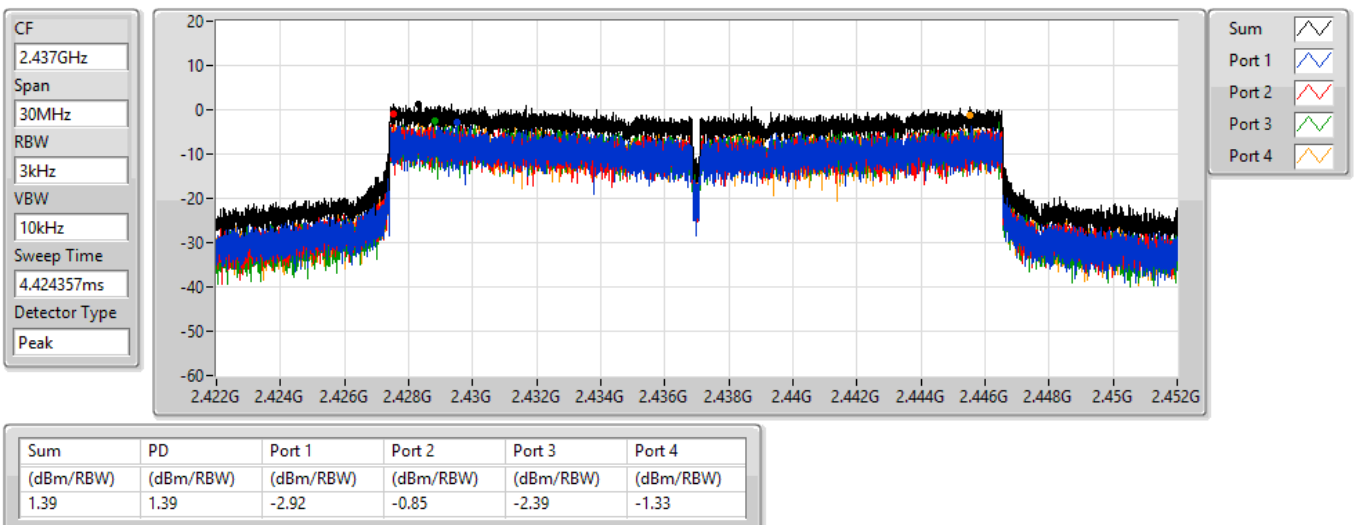


802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz

PSD

27/10/2021

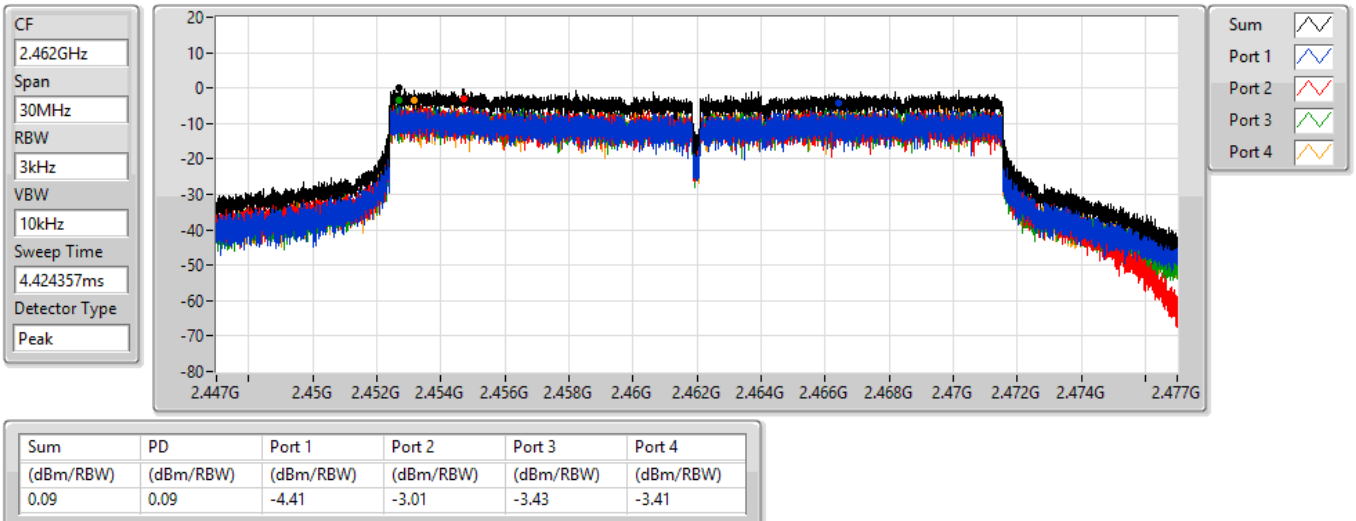


802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz

PSD

27/10/2021

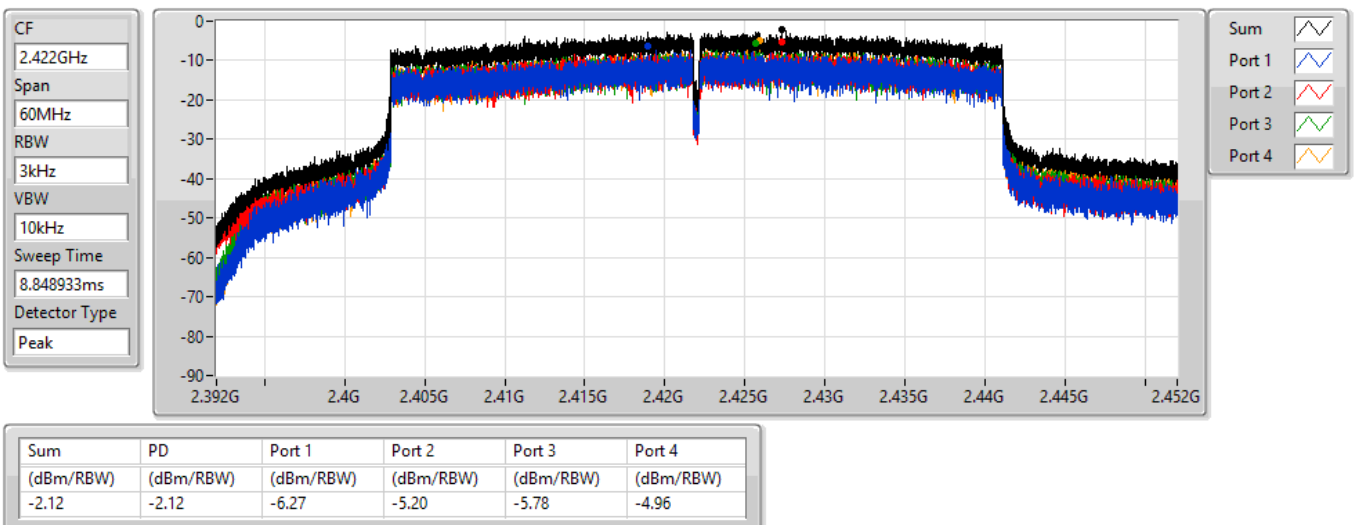


802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz

PSD

27/10/2021

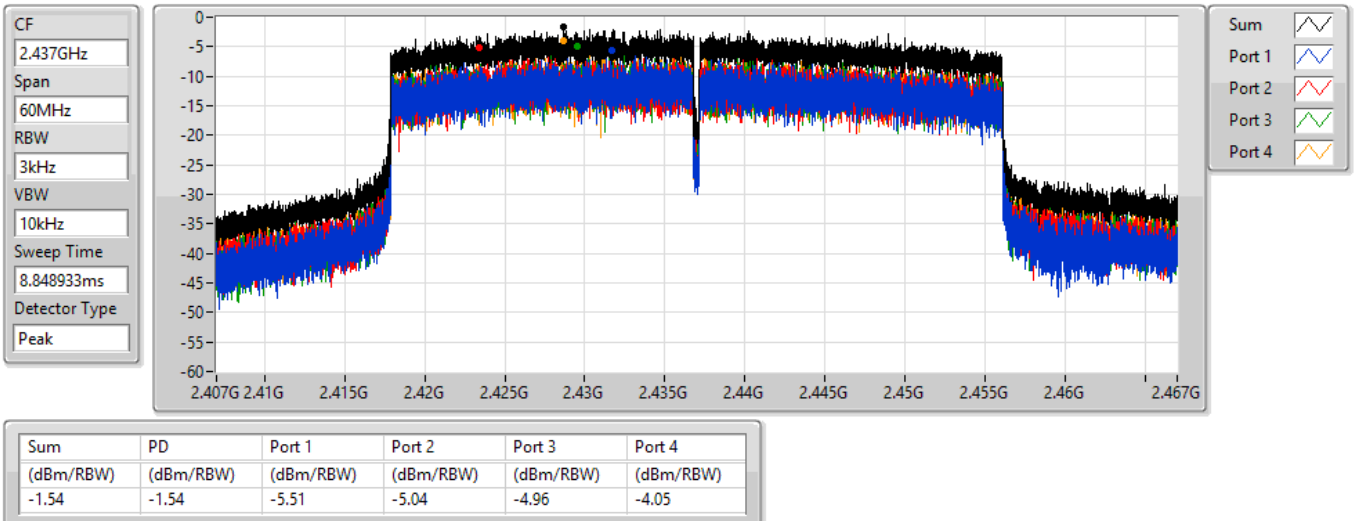


802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz

PSD

27/10/2021

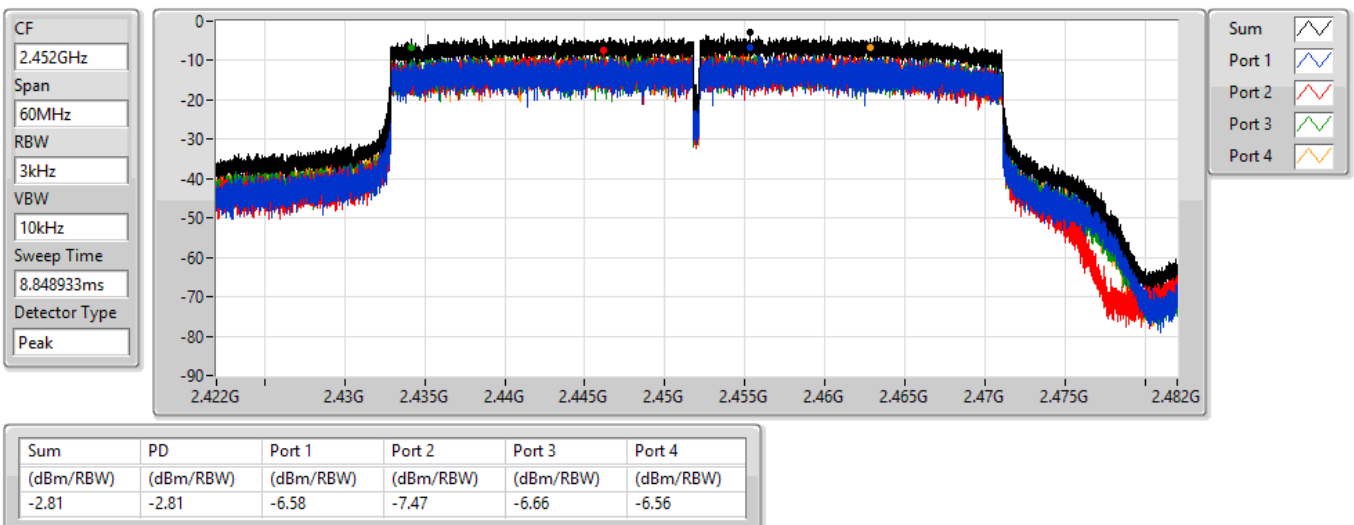


802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz

PSD

27/10/2021





Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	1.11
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-0.95

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	5.65	-5.44	-4.11	-3.95	-5.51	-1.77	8.00
2437MHz	Pass	5.65	-1.27	-0.90	-2.58	-1.27	1.11	8.00
2462MHz	Pass	5.65	-5.57	-3.93	-3.73	-6.23	0.09	8.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	5.65	-5.10	-8.02	-7.95	-7.37	-4.41	8.00
2437MHz	Pass	5.65	-5.33	-6.43	-4.85	-7.97	-2.84	8.00
2452MHz	Pass	5.65	-4.72	-3.08	-5.52	-4.88	-0.95	8.00

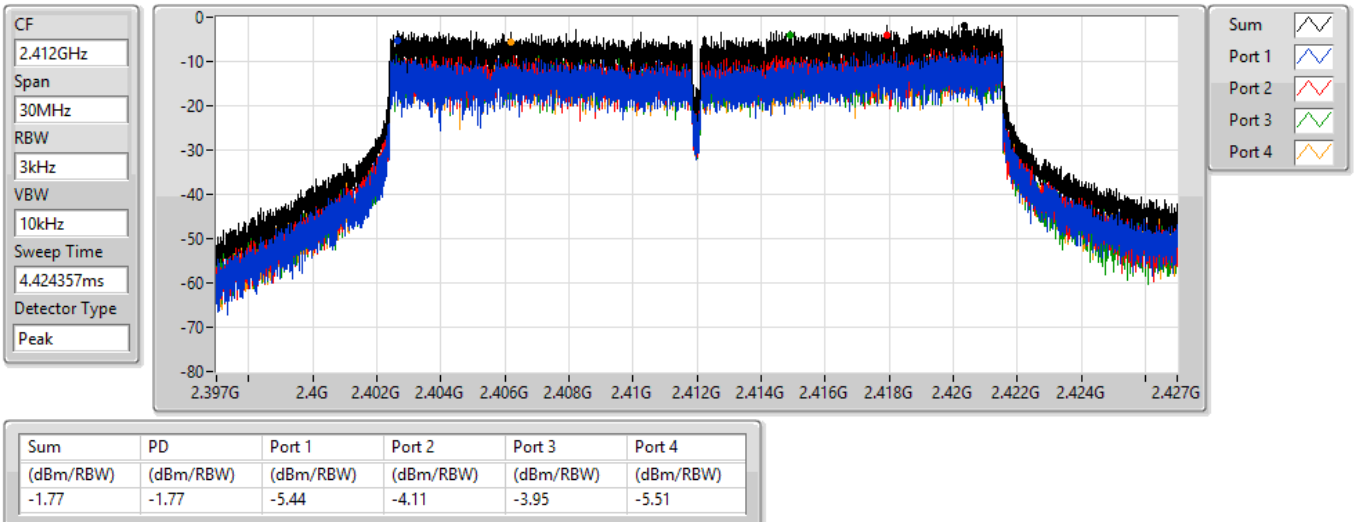
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2412MHz

PSD

27/10/2021

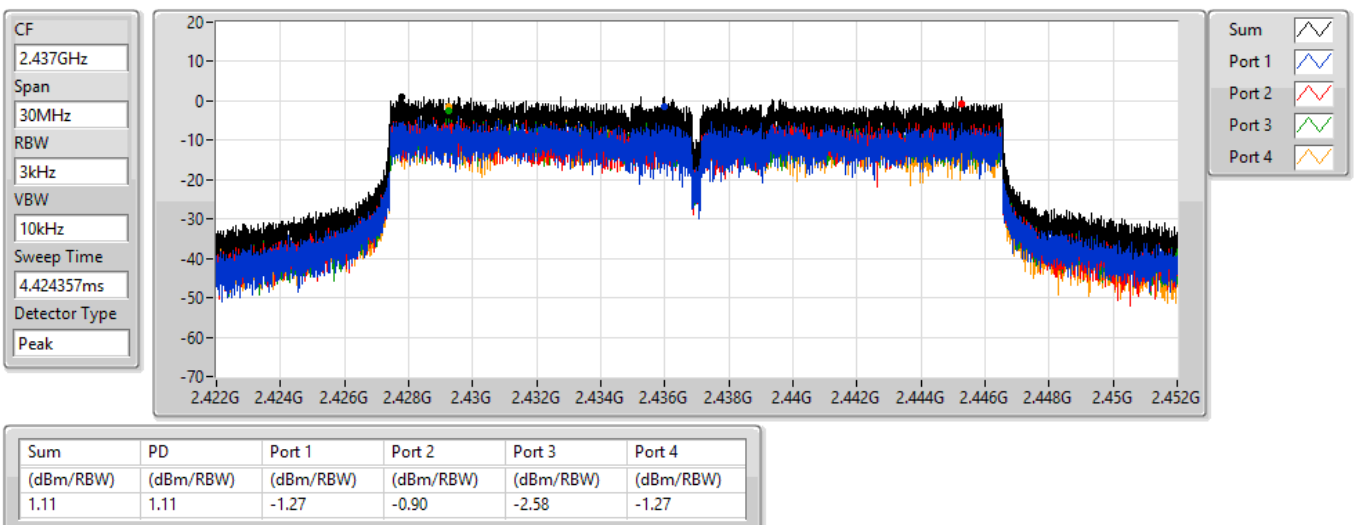


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2437MHz

PSD

27/10/2021

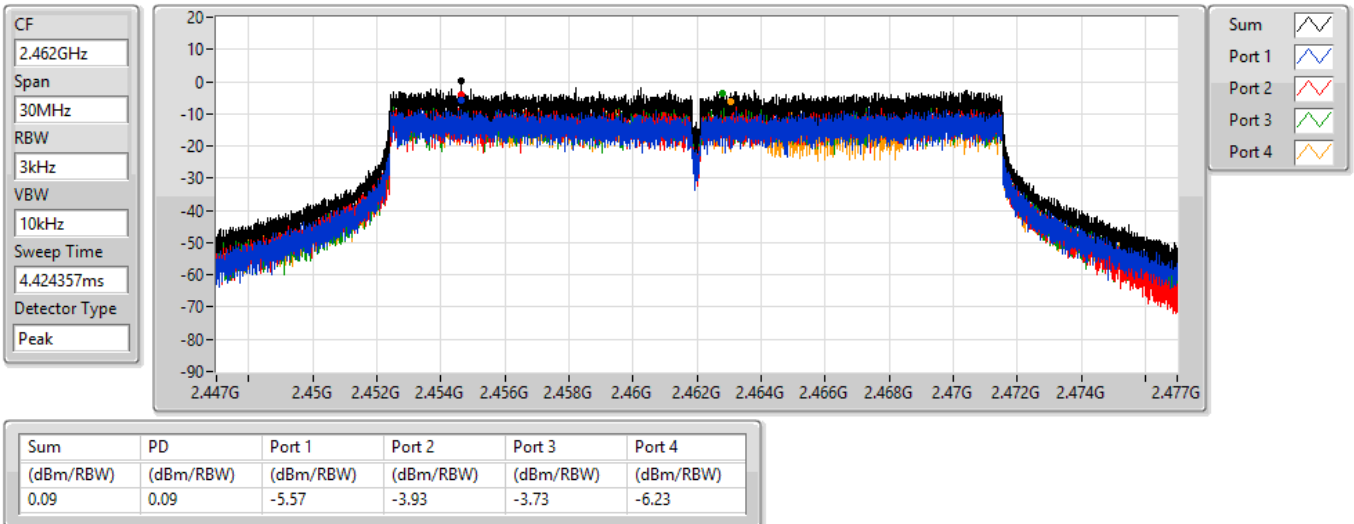


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2462MHz

PSD

27/10/2021

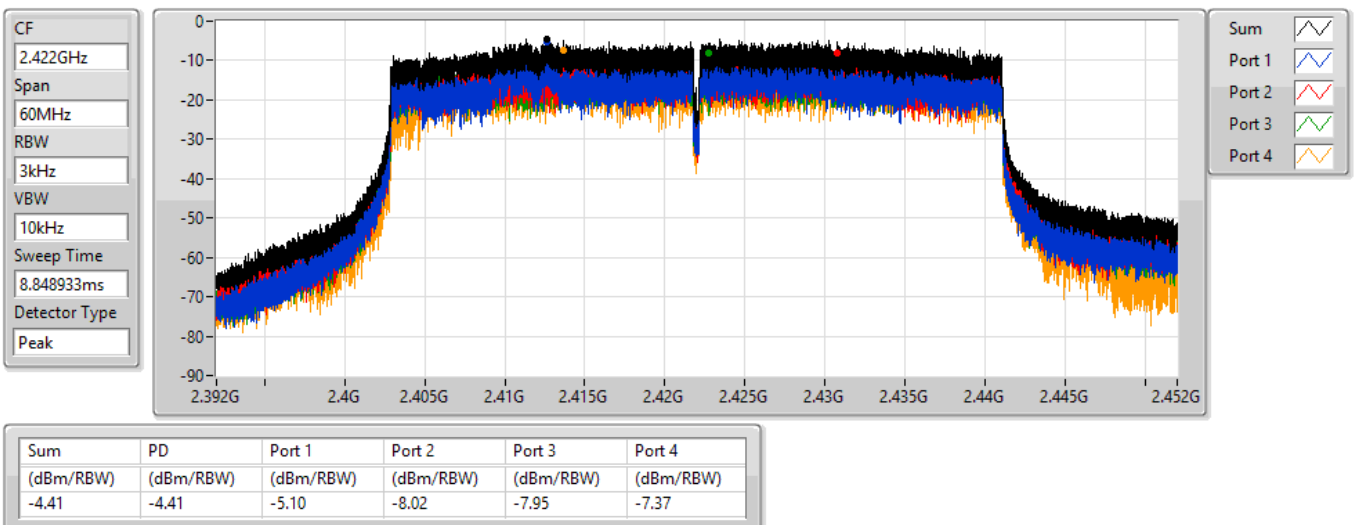


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2422MHz

PSD

27/10/2021

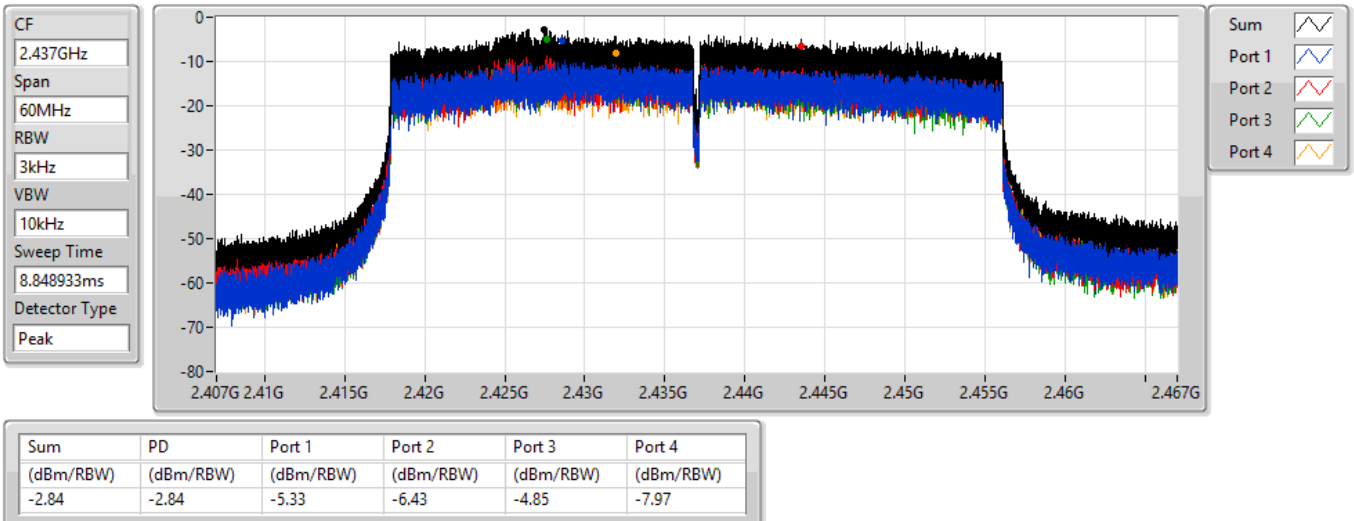


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

2437MHz

27/10/2021

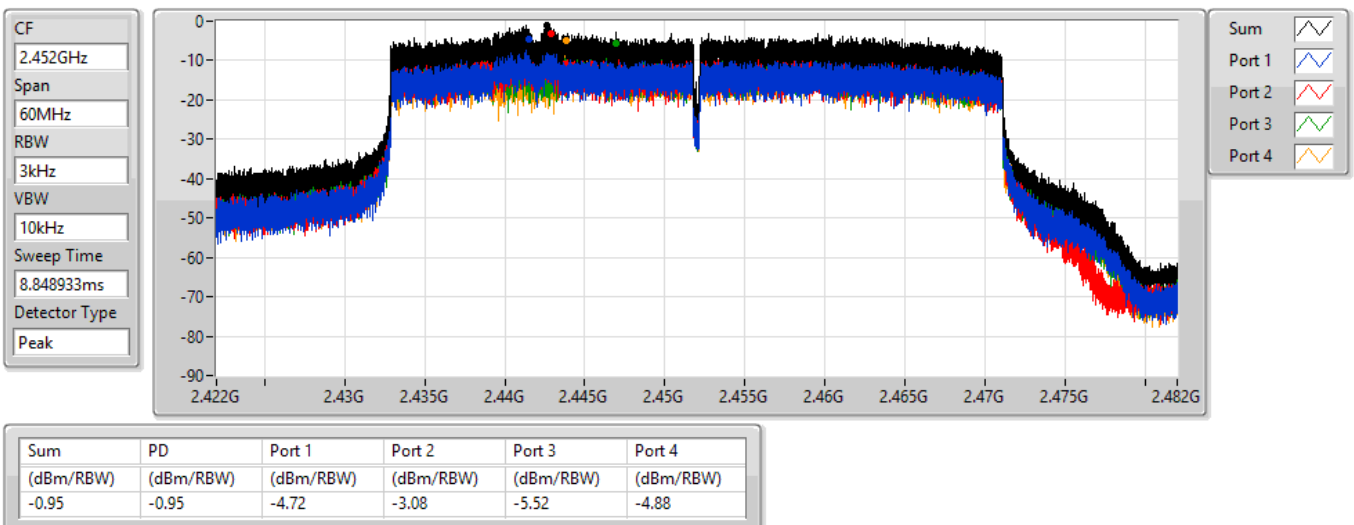


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

2452MHz

27/10/2021



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	2.43599G	16.33	-13.67	159.9M	-42.38	2.39946G	-27.11	2.4G	-31.90	2.51736G	-50.99	7.23514G	-32.65	3
802.11g_Nss1,(6Mbps)_4TX	Pass	2.43069G	13.32	-16.68	159.9M	-41.02	2.39918G	-18.99	2.4G	-18.36	2.48458G	-51.54	7.22952G	-37.55	2
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	2.43073G	13.03	-16.97	159.9M	-41.83	2.39964G	-18.86	2.4G	-20.10	2.48814G	-51.91	7.24076G	-37.98	2
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	2.43444G	9.33	-20.67	159.96M	-43.01	2.39952G	-20.71	2.4G	-24.79	2.48398G	-48.05	16.25537G	-42.15	2

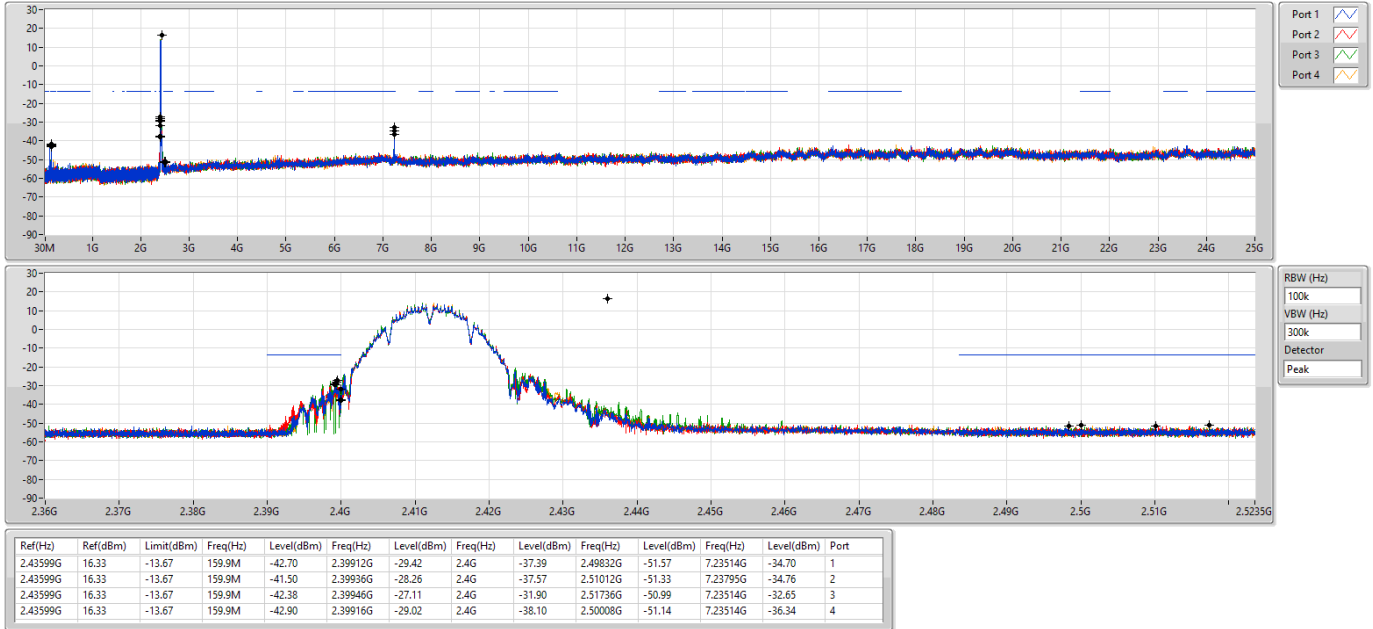
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43599G	16.33	-13.67	159.9M	-42.70	2.39912G	-29.42	2.4G	-37.39	2.49832G	-51.57	7.23514G	-34.70	1
2412MHz	Pass	2.43599G	16.33	-13.67	159.9M	-41.50	2.39936G	-28.26	2.4G	-37.57	2.51012G	-51.33	7.23795G	-34.76	2
2412MHz	Pass	2.43599G	16.33	-13.67	159.9M	-42.38	2.39946G	-27.11	2.4G	-31.90	2.51736G	-50.99	7.23514G	-32.65	3
2412MHz	Pass	2.43599G	16.33	-13.67	159.9M	-42.90	2.39916G	-29.02	2.4G	-38.10	2.50008G	-51.14	7.23514G	-36.34	4
2437MHz	Pass	2.43599G	16.33	-13.67	159.9M	-42.87	2.39968G	-52.04	2.4G	-53.33	2.51432G	-51.76	16.81013G	-43.14	1
2437MHz	Pass	2.43599G	16.33	-13.67	159.9M	-42.55	2.39824G	-51.53	2.4G	-53.12	2.51638G	-51.22	23.5615G	-43.13	2
2437MHz	Pass	2.43599G	16.33	-13.67	159.9M	-42.45	2.39956G	-50.77	2.4835G	-53.97	2.5025G	-51.27	21.651G	-43.60	3
2437MHz	Pass	2.43599G	16.33	-13.67	159.9M	-43.48	2.39642G	-51.39	2.4G	-54.18	2.5174G	-50.94	24.64038G	-42.74	4
2462MHz	Pass	2.43599G	16.33	-13.67	159.9M	-43.10	2.3922G	-52.37	2.4G	-55.62	2.50456G	-51.19	24.60666G	-43.55	1
2462MHz	Pass	2.43599G	16.33	-13.67	159.9M	-41.39	2.39328G	-51.87	2.4G	-54.88	2.52242G	-50.74	24.95505G	-42.79	2
2462MHz	Pass	2.43599G	16.33	-13.67	159.9M	-41.35	2.39592G	-52.29	2.4835G	-50.11	2.48454G	-50.28	24.96348G	-43.33	3
2462MHz	Pass	2.43599G	16.33	-13.67	159.9M	-41.47	2.39852G	-52.61	2.4835G	-54.02	2.50502G	-51.48	24.96909G	-43.42	4
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43069G	13.32	-16.68	159.9M	-42.44	2.39916G	-19.32	2.4G	-20.44	2.52108G	-50.16	7.24357G	-40.79	1
2412MHz	Pass	2.43069G	13.32	-16.68	159.9M	-41.02	2.39918G	-18.99	2.4G	-18.36	2.48458G	-51.54	7.22952G	-37.55	2
2412MHz	Pass	2.43069G	13.32	-16.68	159.9M	-42.39	2.39988G	-19.50	2.4G	-20.71	2.498G	-51.67	7.24076G	-38.02	3
2412MHz	Pass	2.43069G	13.32	-16.68	159.9M	-40.55	2.39916G	-19.11	2.4G	-20.53	2.51362G	-50.74	7.23514G	-38.90	4
2437MHz	Pass	2.43069G	13.32	-16.68	159.9M	-42.35	2.39952G	-34.90	2.4G	-37.38	2.49288G	-51.25	23.58679G	-43.40	1
2437MHz	Pass	2.43069G	13.32	-16.68	159.9M	-41.51	2.3995G	-36.08	2.4G	-36.82	2.49488G	-51.97	24.66566G	-42.49	2
2437MHz	Pass	2.43069G	13.32	-16.68	159.9M	-42.00	2.39824G	-35.85	2.4G	-39.58	2.50388G	-50.86	15.13844G	-43.29	3
2437MHz	Pass	2.43069G	13.32	-16.68	159.9M	-41.17	2.3995G	-34.78	2.4G	-38.94	2.48536G	-51.86	24.6179G	-43.37	4
2462MHz	Pass	2.43069G	13.32	-16.68	159.9M	-41.62	2.39728G	-50.61	2.4835G	-47.43	2.48382G	-44.83	17.60804G	-43.19	1
2462MHz	Pass	2.43069G	13.32	-16.68	159.9M	-41.44	2.39836G	-50.97	2.4835G	-43.07	2.48414G	-41.86	23.31707G	-43.39	2
2462MHz	Pass	2.43069G	13.32	-16.68	159.9M	-41.56	2.39862G	-46.96	2.4835G	-35.02	2.48412G	-34.78	23.53341G	-43.34	3
2462MHz	Pass	2.43069G	13.32	-16.68	159.9M	-41.89	2.3989G	-46.51	2.4835G	-34.87	2.48448G	-34.37	16.24259G	-43.71	4
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43073G	13.03	-16.97	159.9M	-42.20	2.39998G	-19.53	2.4G	-21.46	2.52286G	-51.66	7.22952G	-40.21	1
2412MHz	Pass	2.43073G	13.03	-16.97	159.9M	-41.83	2.39964G	-18.86	2.4G	-20.10	2.48814G	-51.91	7.24076G	-37.98	2
2412MHz	Pass	2.43073G	13.03	-16.97	159.9M	-42.08	2.4G	-20.40	2.4G	-20.67	2.5038G	-51.32	7.22952G	-40.16	3
2412MHz	Pass	2.43073G	13.03	-16.97	159.9M	-40.87	2.39984G	-19.38	2.4G	-20.34	2.52336G	-51.50	7.23233G	-39.82	4
2437MHz	Pass	2.43073G	13.03	-16.97	159.9M	-41.35	2.39934G	-32.66	2.4G	-33.70	2.48604G	-51.12	16.93937G	-43.03	1
2437MHz	Pass	2.43073G	13.03	-16.97	159.9M	-42.33	2.39964G	-33.21	2.4G	-34.72	2.48436G	-50.97	16.42802G	-43.42	2
2437MHz	Pass	2.43073G	13.03	-16.97	159.9M	-42.28	2.39984G	-32.42	2.4G	-36.23	2.48552G	-51.26	15.23958G	-42.96	3
2437MHz	Pass	2.43073G	13.03	-16.97	159.9M	-40.95	2.39944G	-32.72	2.4G	-36.14	2.50622G	-51.02	24.57857G	-42.76	4
2462MHz	Pass	2.43073G	13.03	-16.97	159.9M	-42.12	2.39756G	-51.71	2.4835G	-47.16	2.4839G	-45.21	15.18058G	-43.17	1
2462MHz	Pass	2.43073G	13.03	-16.97	159.9M	-41.34	2.39768G	-50.54	2.4835G	-43.26	2.48362G	-43.53	24.59261G	-42.09	2
2462MHz	Pass	2.43073G	13.03	-16.97	159.9M	-42.24	2.39714G	-51.11	2.4835G	-50.12	2.48384G	-46.96	16.87475G	-42.63	3
2462MHz	Pass	2.43073G	13.03	-16.97	159.9M	-42.28	2.39556G	-51.71	2.4835G	-46.64	2.48438G	-45.02	24.5898G	-43.09	4
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43444G	9.33	-20.67	159.96M	-42.47	2.3998G	-22.78	2.4G	-24.49	2.50858G	-51.62	23.29763G	-42.83	1
2422MHz	Pass	2.43444G	9.33	-20.67	159.96M	-42.18	2.3996G	-22.90	2.4G	-25.53	2.56282G	-51.62	16.22452G	-42.99	2
2422MHz	Pass	2.43444G	9.33	-20.67	159.96M	-41.93	2.39968G	-21.87	2.4G	-24.70	2.5353G	-51.15	7.24992G	-42.77	3
2422MHz	Pass	2.43444G	9.33	-20.67	159.96M	-42.22	2.39988G	-21.19	2.4G	-24.40	2.48682G	-50.62	24.85136G	-43.58	4
2437MHz	Pass	2.43444G	9.33	-20.67	159.96M	-41.76	2.39992G	-24.82	2.4G	-27.32	2.48442G	-49.53	17.64083G	-43.34	1
2437MHz	Pass	2.43444G	9.33	-20.67	159.96M	-43.01	2.39952G	-20.71	2.4G	-24.79	2.48398G	-48.05	16.25537G	-42.15	2
2437MHz	Pass	2.43444G	9.33	-20.67	159.96M	-41.06	2.39956G	-23.68	2.4G	-25.12	2.4853G	-48.88	24.55968G	-42.59	3
2437MHz	Pass	2.43444G	9.33	-20.67	159.96M	-41.47	2.39956G	-24.95	2.4G	-25.19	2.4839G	-48.73	24.91867G	-42.46	4
2452MHz	Pass	2.43444G	9.33	-20.67	159.96M	-42.13	2.39968G	-38.35	2.4G	-39.65	2.48938G	-46.71	16.26659G	-43.09	1
2452MHz	Pass	2.43444G	9.33	-20.67	159.96M	-42.32	2.3998G	-38.74	2.4G	-38.25	2.48398G	-46.07	16.60034G	-43.14	2
2452MHz	Pass	2.43444G	9.33	-20.67	159.96M	-42.32	2.39876G	-37.85	2.4G	-40.62	2.48482G	-43.63	16.60034G	-43.14	3
2452MHz	Pass	2.43444G	9.33	-20.67	159.96M	-42.39	2.39952G	-31.96	2.4G	-38.96	2.48442G	-44.56	23.57528G	-43.51	4

802.11b_Nss1,(1Mbps)_4TX

CSENdB

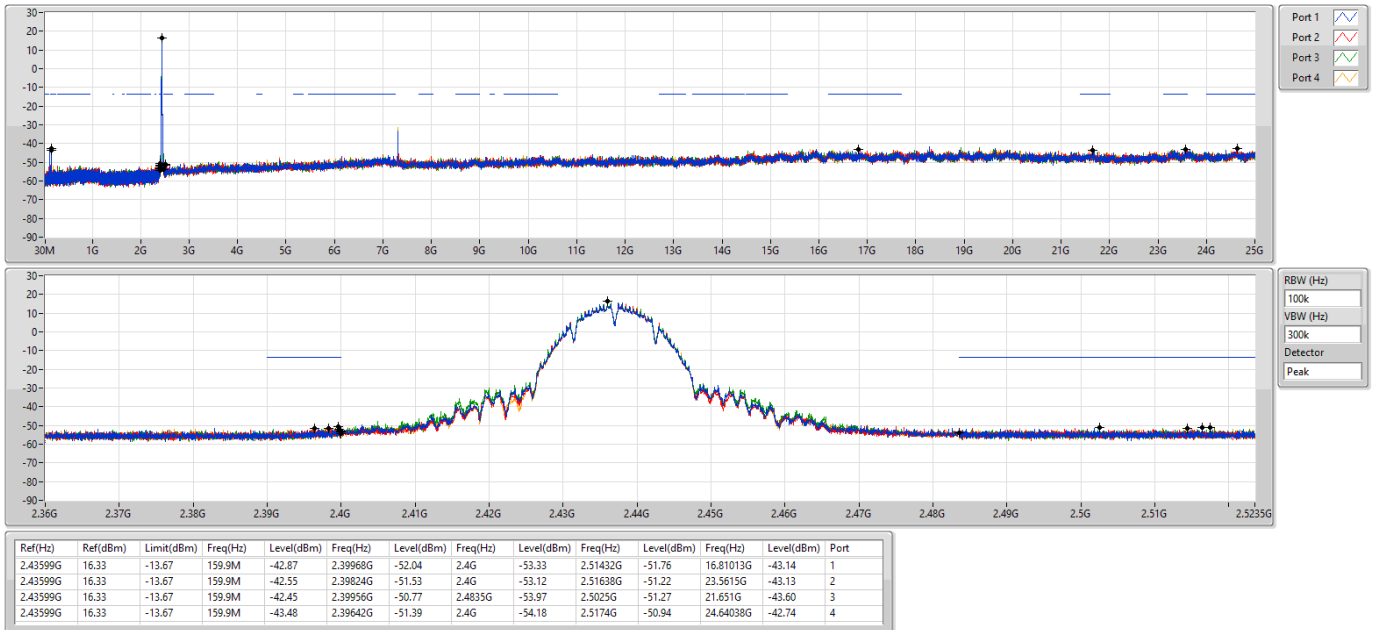
2412MHz



802.11b_Nss1,(1Mbps)_4TX

CSENdB

2437MHz

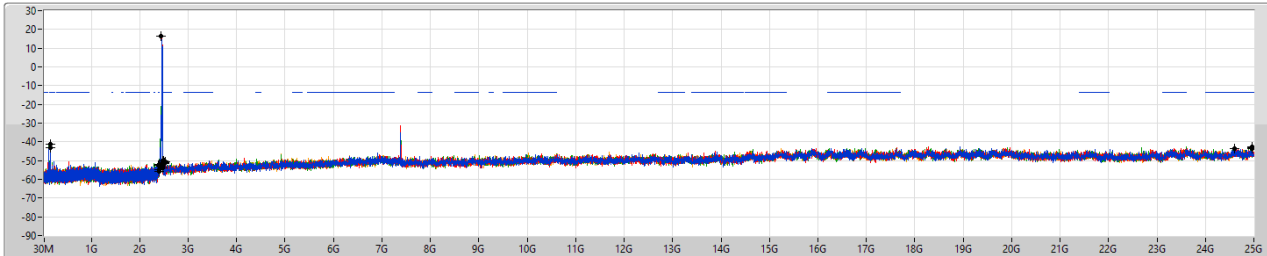


802.11b_Nss1,(1Mbps)_4TX

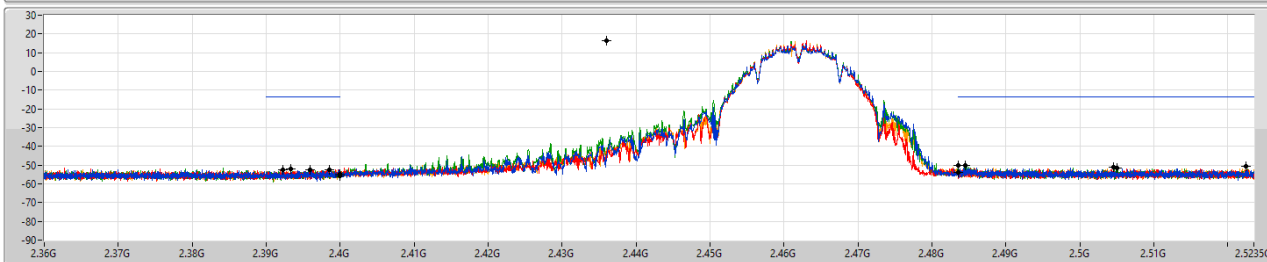
2462MHz

CSENdB

27/10/2021



Port 1
Port 2
Port 3
Port 4



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

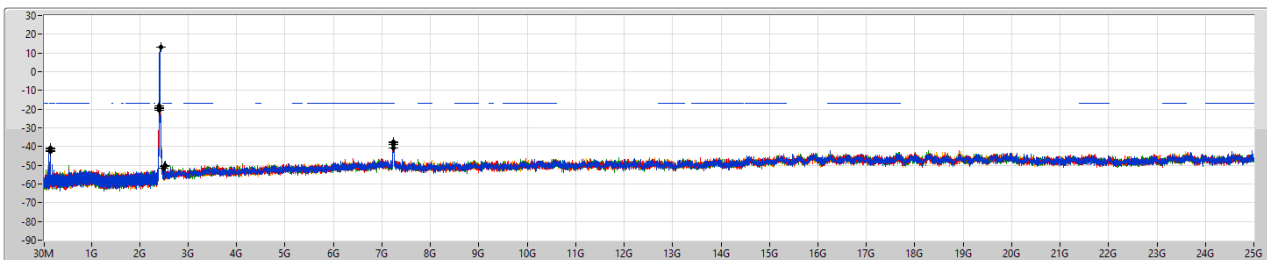
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43599G	16.33	-13.67	159.9M	-43.10	2.3922G	-52.37	2.4G	-55.62	2.50456G	-51.19	24.60666G	-43.55	1
2.43599G	16.33	-13.67	159.9M	-41.39	2.39328G	-51.87	2.4G	-54.88	2.52242G	-50.74	24.95505G	-42.79	2
2.43599G	16.33	-13.67	159.9M	-41.35	2.39992G	-52.29	2.4835G	-50.11	2.48454G	-50.28	24.96348G	-43.33	3
2.43599G	16.33	-13.67	159.9M	-41.47	2.39852G	-52.61	2.4835G	-54.02	2.50502G	-51.48	24.96909G	-43.42	4

802.11g_Nss1,(6Mbps)_4TX

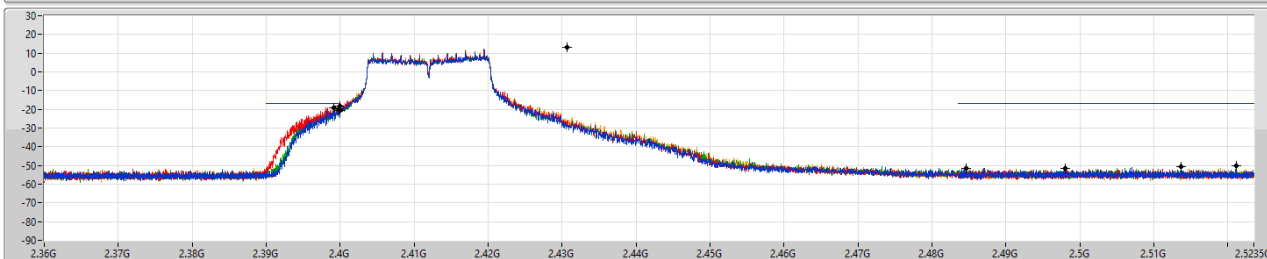
2412MHz

CSENdB

27/10/2021



Port 1
Port 2
Port 3
Port 4



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

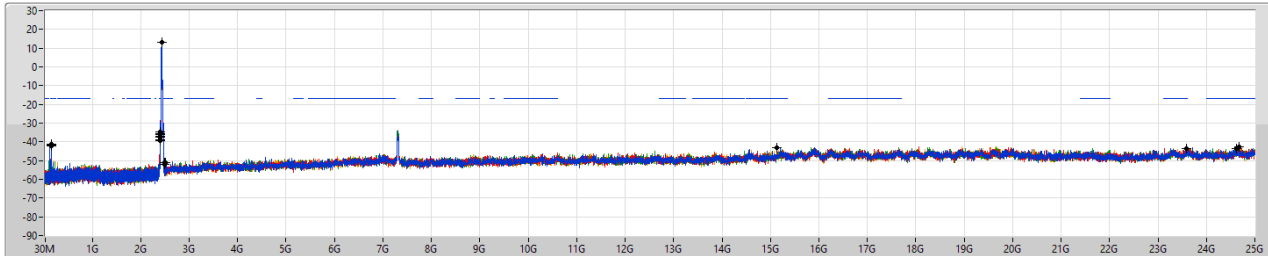
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43069G	13.32	-16.68	159.9M	-42.44	2.39916G	-19.32	2.4G	-20.44	2.52108G	-50.16	7.24357G	-40.79	1
2.43069G	13.32	-16.68	159.9M	-41.02	2.39918G	-18.99	2.4G	-18.36	2.48458G	-51.54	7.22952G	-37.55	2
2.43069G	13.32	-16.68	159.9M	-42.39	2.39888G	-19.50	2.4G	-20.71	2.488G	-51.67	7.24076G	-38.02	3
2.43069G	13.32	-16.68	159.9M	-40.55	2.39916G	-19.11	2.4G	-20.53	2.51362G	-50.74	7.23514G	-38.90	4

802.11g_Nss1,(6Mbps)_4TX

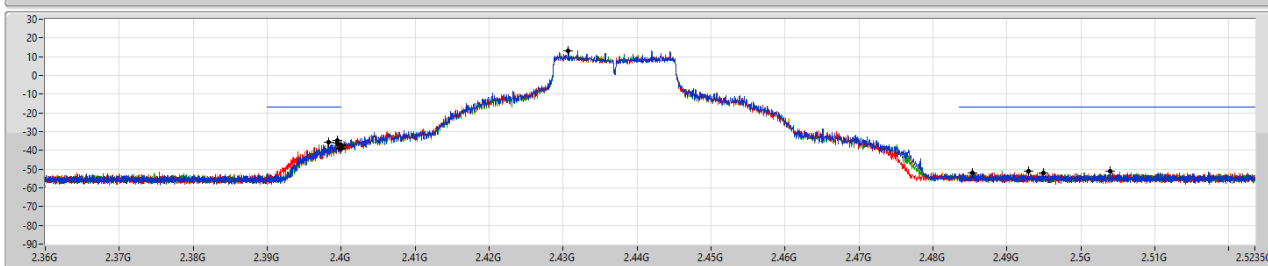
2437MHz

CSENdB

27/10/2021



Port 1
Port 2
Port 3
Port 4



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

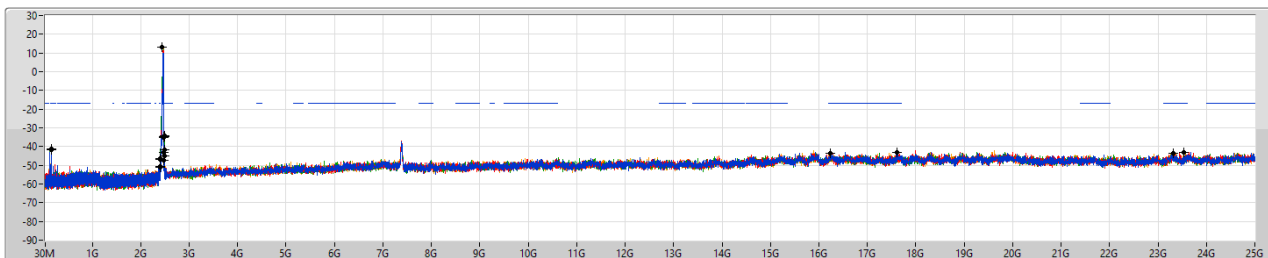
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43069G	13.32	-16.68	159.9M	-42.35	2.39952G	-34.90	2.4G	-37.38	2.49288G	-51.25	23.58679G	-43.40	1
2.43069G	13.32	-16.68	159.9M	-41.51	2.3995G	-36.08	2.4G	-36.82	2.49488G	-51.97	24.66566G	-42.49	2
2.43069G	13.32	-16.68	159.9M	-42.00	2.39824G	-35.85	2.4G	-39.58	2.50388G	-50.86	15.13844G	-43.29	3
2.43069G	13.32	-16.68	159.9M	-41.17	2.3995G	-34.78	2.4G	-38.94	2.48536G	-51.86	24.6179G	-43.37	4

802.11g_Nss1,(6Mbps)_4TX

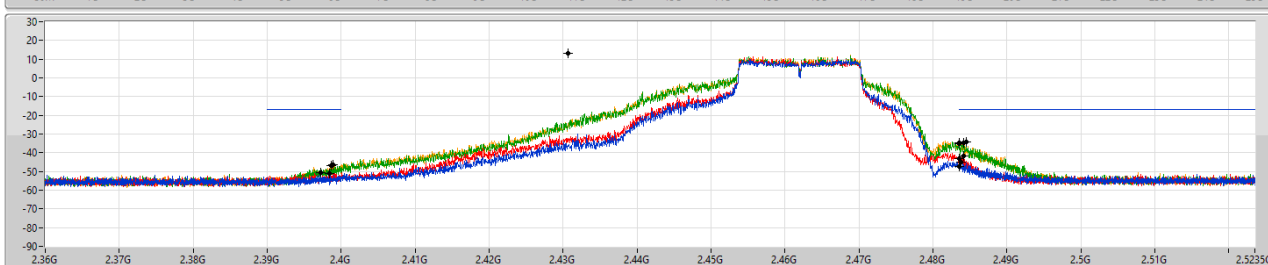
2462MHz

CSENdB

27/10/2021



Port 1
Port 2
Port 3
Port 4



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

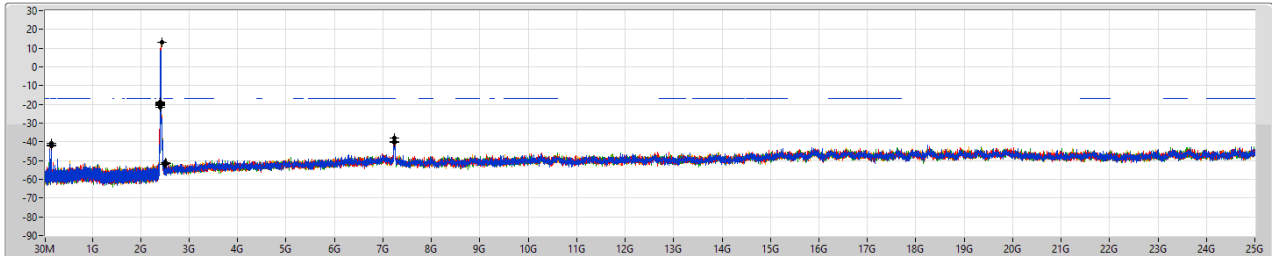
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43069G	13.32	-16.68	159.9M	-41.62	2.39728G	-50.61	2.4835G	-47.43	2.48382G	-44.83	17.60804G	-43.19	1
2.43069G	13.32	-16.68	159.9M	-41.44	2.39836G	-50.97	2.4835G	-43.07	2.48414G	-41.86	23.31707G	-43.30	2
2.43069G	13.32	-16.68	159.9M	-41.56	2.39862G	-46.96	2.4835G	-35.02	2.48413G	-34.78	23.53416G	-43.34	3
2.43069G	13.32	-16.68	159.9M	-41.89	2.3989G	-46.51	2.4835G	-34.87	2.48448G	-34.37	16.24299G	-43.71	4

802.11ax HEW20_Nss1,(MCS0)_4TX

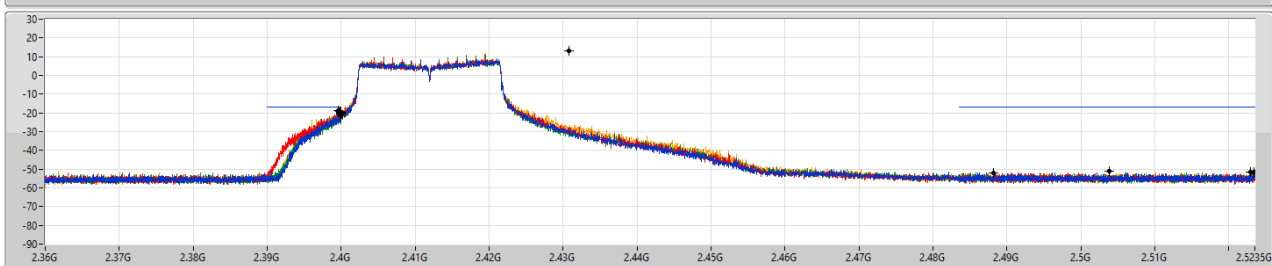
2412MHz

CSENdB

27/10/2021



Port 1
Port 2
Port 3
Port 4



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

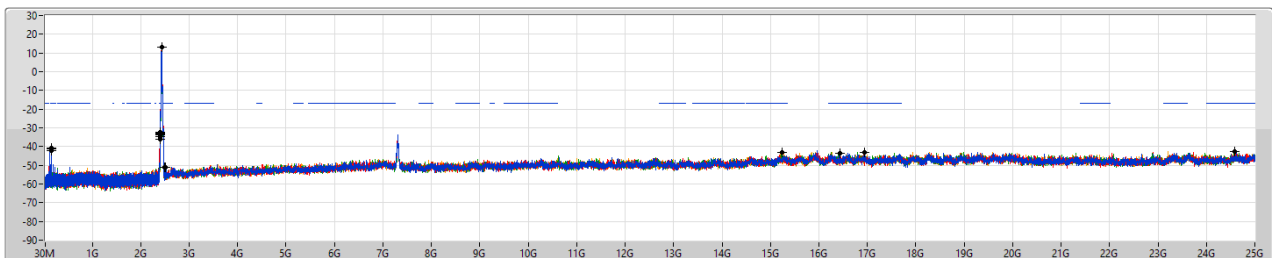
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43073G	13.03	-16.97	159.9M	-42.20	2.39998G	-19.53	2.4G	-21.46	2.52286G	-51.66	7.22952G	-40.21	1
2.43073G	13.03	-16.97	159.9M	-41.83	2.39964G	-18.86	2.4G	-20.10	2.48814G	-51.91	7.24076G	-37.98	2
2.43073G	13.03	-16.97	159.9M	-42.08	2.4G	-20.40	2.4G	-20.67	2.5038G	-51.32	7.22952G	-40.16	3
2.43073G	13.03	-16.97	159.9M	-40.87	2.39984G	-19.38	2.4G	-20.34	2.52336G	-51.50	7.23233G	-39.82	4

802.11ax HEW20_Nss1,(MCS0)_4TX

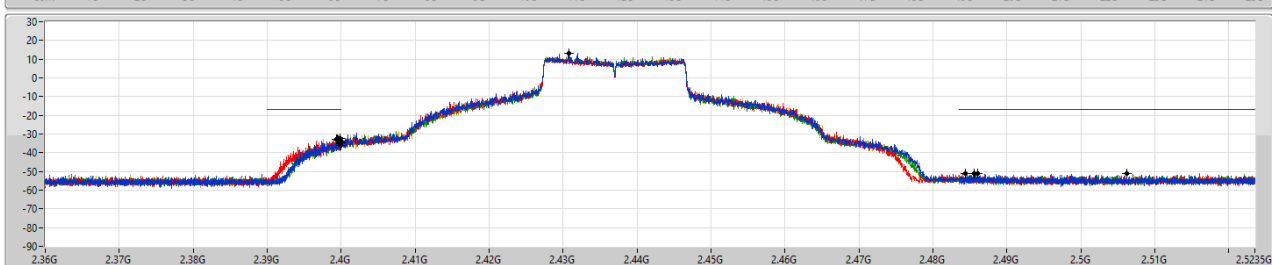
2437MHz

CSENdB

27/10/2021



Port 1
Port 2
Port 3
Port 4



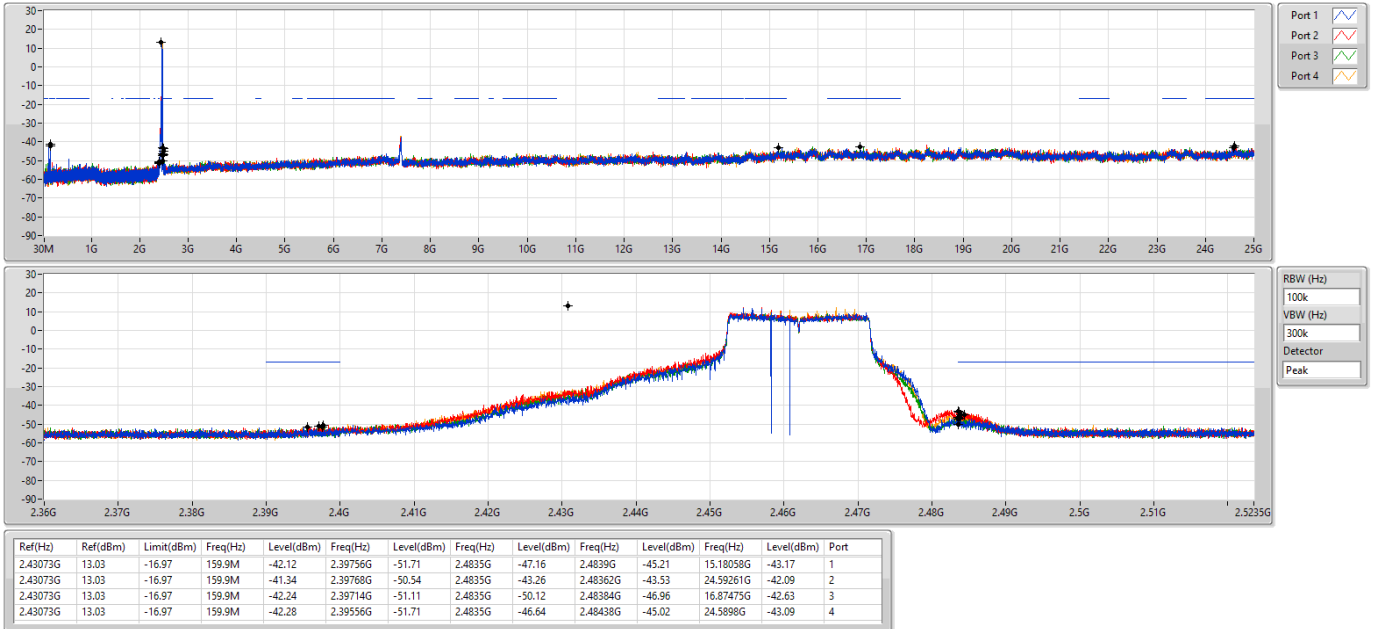
RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

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
2.43073G	13.03	-16.97	159.9M	-41.35	2.39934G	-32.66	2.4G	-33.70	2.48604G	-51.12	16.93937G	-43.03	1
2.43073G	13.03	-16.97	159.9M	-42.33	2.39964G	-33.21	2.4G	-34.72	2.48436G	-50.97	16.42802G	-43.42	2
2.43073G	13.03	-16.97	159.9M	-42.28	2.39984G	-32.42	2.4G	-36.23	2.48553G	-51.26	15.23998G	-42.96	3
2.43073G	13.03	-16.97	159.9M	-40.95	2.39944G	-32.72	2.4G	-36.14	2.50622G	-51.02	24.57857G	-42.76	4

802.11ax HEW20_Nss1,(MCS0)_4TX

CSENdB

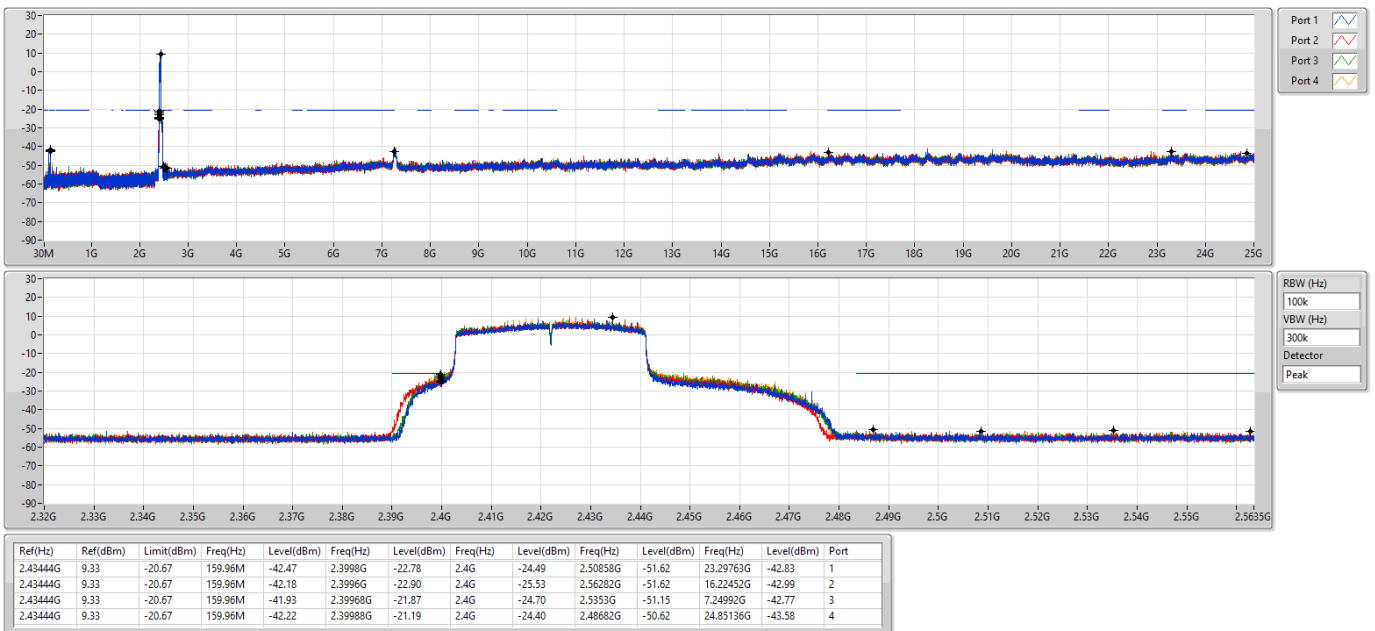
2462MHz



802.11ax HEW40_Nss1,(MCS0)_4TX

CSENdB

2422MHz

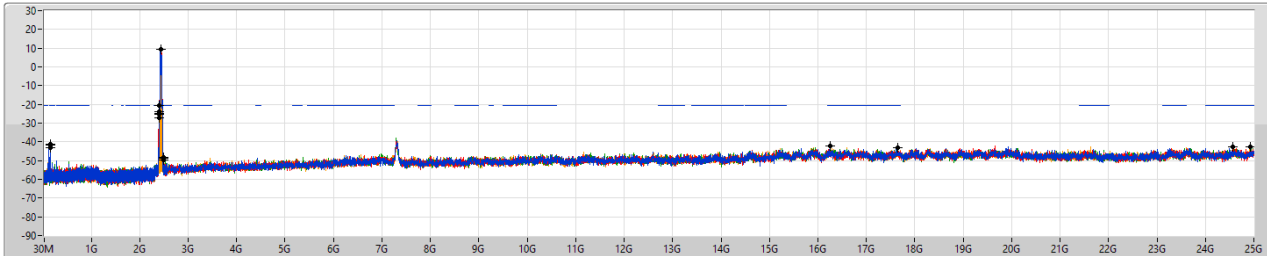


802.11ax HEW40_Nss1,(MCS0)_4TX

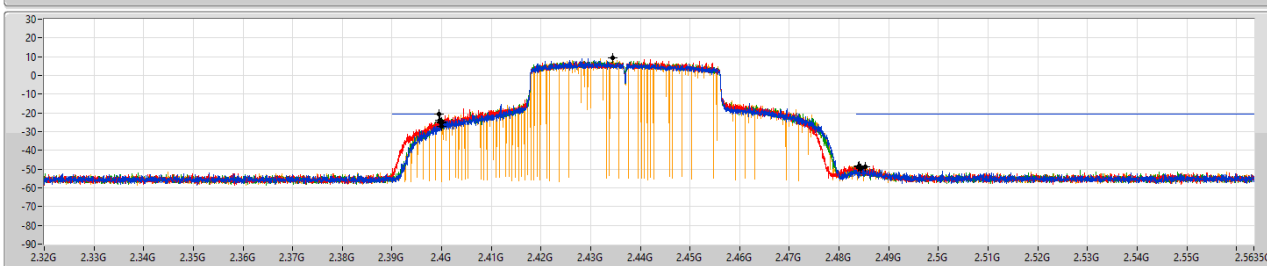
CSENdB

2437MHz

27/10/2021



Port 1
Port 2
Port 3
Port 4



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

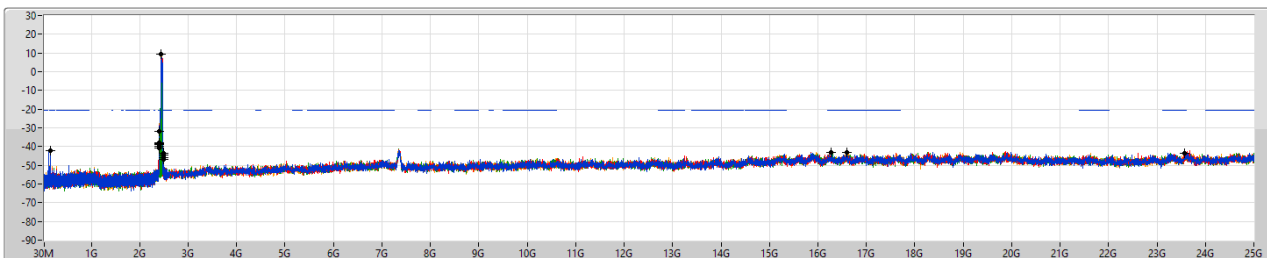
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43444G	9.33	-20.67	159.96M	-41.76	2.39992G	-24.82	2.4G	-27.32	2.48442G	-49.53	17.64083G	-43.34	1
2.43444G	9.33	-20.67	159.96M	-43.01	2.39952G	-20.71	2.4G	-24.79	2.48398G	-48.05	16.25537G	-42.15	2
2.43444G	9.33	-20.67	159.96M	-41.06	2.39956G	-23.68	2.4G	-25.12	2.4853G	-48.88	24.55968G	-42.59	3
2.43444G	9.33	-20.67	159.96M	-41.47	2.39956G	-24.95	2.4G	-25.19	2.4839G	-48.73	24.91867G	-42.46	4

802.11ax HEW40_Nss1,(MCS0)_4TX

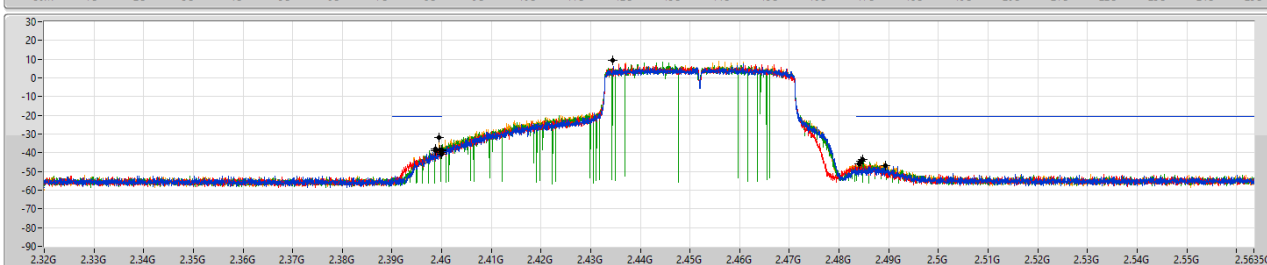
CSENdB

2452MHz

27/10/2021



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
2.43444G	9.33	-20.67	159.96M	-42.13	2.39968G	-38.35	2.4G	-39.65	2.48938G	-46.71	16.26659G	-43.09	1
2.43444G	9.33	-20.67	159.96M	-42.32	2.3988G	-38.74	2.4G	-38.25	2.48398G	-46.07	16.60034G	-43.14	2
2.43444G	9.33	-20.67	159.96M	-42.32	2.39876G	-37.85	2.4G	-40.62	2.48483G	-43.63	16.60034G	-43.14	3
2.43444G	9.33	-20.67	159.96M	-42.39	2.39952G	-31.96	2.4G	-38.96	2.48442G	-44.56	23.57328G	-43.51	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	2.42952G	16.40	-13.60	159.9M	-32.44	2.39994G	-21.32	2.4G	-22.21	2.48716G	-46.60	24.92976G	-38.03	3
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	Pass	2.44146G	14.37	-15.63	159.96M	-36.79	2.39992G	-37.52	2.4G	-32.99	2.49906G	-46.45	24.63541G	-37.03	3

Result

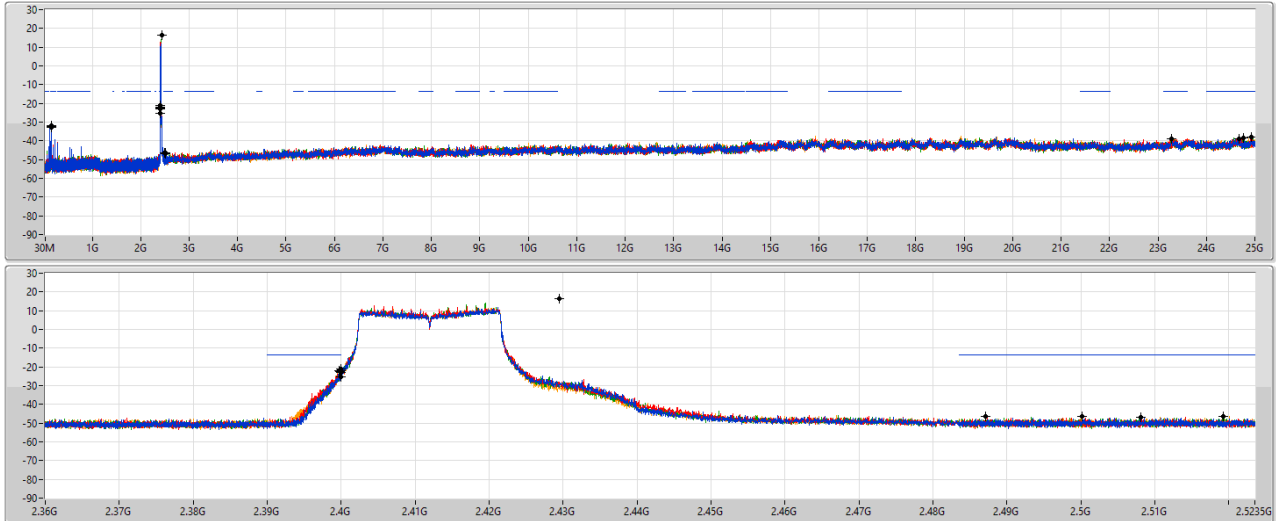
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.42952G	16.40	-13.60	159.9M	-31.96	2.39998G	-21.81	2.4G	-25.35	2.50806G	-46.93	23.28617G	-38.95	1
2412MHz	Pass	2.42952G	16.40	-13.60	159.9M	-33.03	2.3998G	-22.58	2.4G	-25.20	2.50012G	-46.59	24.76119G	-38.31	2
2412MHz	Pass	2.42952G	16.40	-13.60	159.9M	-32.44	2.39994G	-21.32	2.4G	-22.21	2.48716G	-46.60	24.92976G	-38.03	3
2412MHz	Pass	2.42952G	16.40	-13.60	159.9M	-32.57	2.39972G	-22.08	2.4G	-23.12	2.51922G	-46.21	24.67128G	-38.87	4
2437MHz	Pass	2.42952G	16.40	-13.60	159.9M	-33.36	2.4G	-35.48	2.4G	-40.60	2.5108G	-46.93	16.5685G	-39.15	1
2437MHz	Pass	2.42952G	16.40	-13.60	159.9M	-32.44	2.39904G	-35.76	2.4G	-38.24	2.4902G	-46.76	24.63476G	-37.93	2
2437MHz	Pass	2.42952G	16.40	-13.60	159.9M	-33.62	2.39916G	-34.93	2.4G	-37.57	2.49904G	-46.26	24.93538G	-39.01	3
2437MHz	Pass	2.42952G	16.40	-13.60	159.9M	-33.10	2.3993G	-34.76	2.4G	-38.23	2.4842G	-46.74	24.60385G	-38.32	4
2462MHz	Pass	2.42952G	16.40	-13.60	159.9M	-32.75	2.39976G	-47.68	2.4G	-50.34	2.48614G	-46.02	23.5896G	-37.15	1
2462MHz	Pass	2.42952G	16.40	-13.60	159.9M	-32.91	2.39374G	-47.47	2.4835G	-49.17	2.49406G	-46.51	24.93819G	-37.53	2
2462MHz	Pass	2.42952G	16.40	-13.60	159.9M	-31.57	2.39088G	-47.32	2.4835G	-49.70	2.5066G	-46.54	16.79608G	-38.08	3
2462MHz	Pass	2.42952G	16.40	-13.60	159.9M	-33.10	2.39804G	-47.85	2.4835G	-49.04	2.50448G	-46.93	24.97471G	-38.19	4
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44146G	14.37	-15.63	159.96M	-36.71	2.39936G	-38.00	2.4G	-38.36	2.48434G	-46.12	16.55546G	-37.96	1
2422MHz	Pass	2.44146G	14.37	-15.63	159.96M	-37.05	2.39976G	-37.32	2.4G	-36.33	2.55662G	-45.66	24.62699G	-38.22	2
2422MHz	Pass	2.44146G	14.37	-15.63	159.96M	-36.79	2.39992G	-37.52	2.4G	-32.99	2.49906G	-46.45	24.63541G	-37.03	3
2422MHz	Pass	2.44146G	14.37	-15.63	159.96M	-37.57	2.4G	-35.10	2.4G	-37.28	2.5049G	-46.24	24.70272G	-38.06	4
2437MHz	Pass	2.44146G	14.37	-15.63	159.96M	-36.92	2.39952G	-37.20	2.4G	-43.45	2.49758G	-46.36	16.88079G	-37.68	1
2437MHz	Pass	2.44146G	14.37	-15.63	159.96M	-37.76	2.39964G	-40.26	2.4G	-40.06	2.5613G	-45.99	16.87799G	-38.30	2
2437MHz	Pass	2.44146G	14.37	-15.63	159.96M	-36.28	2.3988G	-39.90	2.4G	-42.85	2.49254G	-46.76	16.52461G	-38.25	3
2437MHz	Pass	2.44146G	14.37	-15.63	159.96M	-37.01	2.39948G	-36.78	2.4G	-41.19	2.49342G	-46.98	16.97334G	-38.37	4
2452MHz	Pass	2.44146G	14.37	-15.63	159.96M	-37.66	2.3982G	-40.47	2.4G	-40.88	2.48862G	-45.96	23.59772G	-37.83	1
2452MHz	Pass	2.44146G	14.37	-15.63	159.96M	-36.98	2.39952G	-37.54	2.4G	-41.26	2.48586G	-45.51	23.35653G	-37.12	2
2452MHz	Pass	2.44146G	14.37	-15.63	159.96M	-37.54	2.4G	-39.31	2.4G	-40.76	2.49818G	-45.84	16.93688G	-38.05	3
2452MHz	Pass	2.44146G	14.37	-15.63	159.96M	-37.23	2.39948G	-36.87	2.4G	-40.79	2.48818G	-45.29	16.89481G	-37.99	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2412MHz

CSEndB

06/01/2022



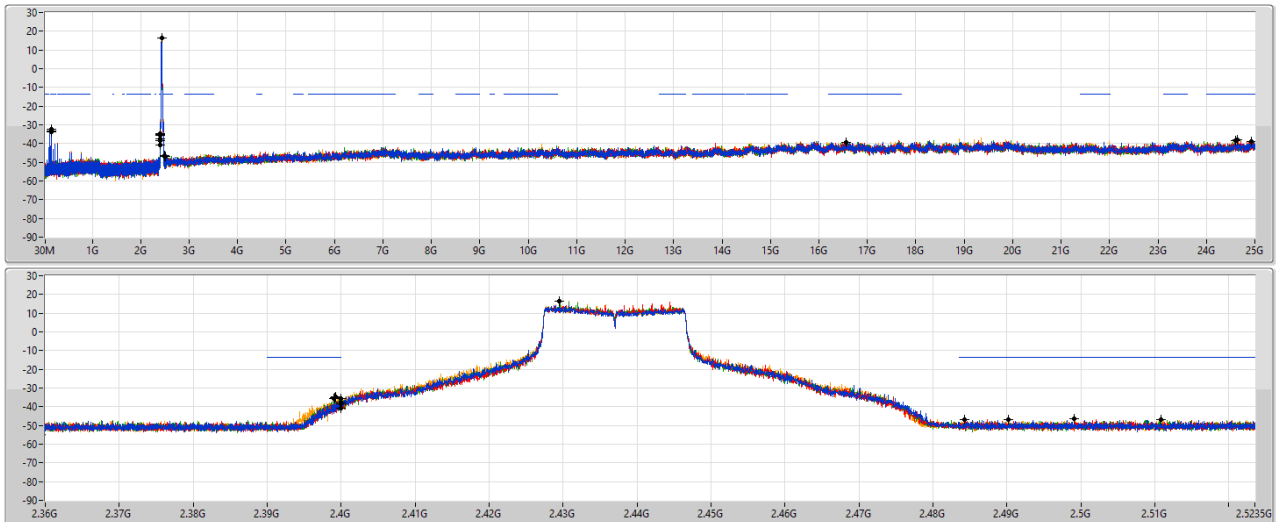
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2.42952G	16.40	-13.60	159.9M	-31.96	2.39998G	-21.81	2.4G	-25.35	2.50806G	-46.93	23.28617G	-38.95	1
2.42952G	16.40	-13.60	159.9M	-33.03	2.39998G	-22.58	2.4G	-25.20	2.50012G	-46.59	24.76119G	-38.31	2
2.42952G	16.40	-13.60	159.9M	-32.44	2.39994G	-21.32	2.4G	-22.21	2.48716G	-46.60	24.92976G	-38.03	3
2.42952G	16.40	-13.60	159.9M	-32.57	2.39972G	-22.08	2.4G	-23.12	2.51922G	-46.21	24.67128G	-38.87	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2437MHz

CSEndB

06/01/2022

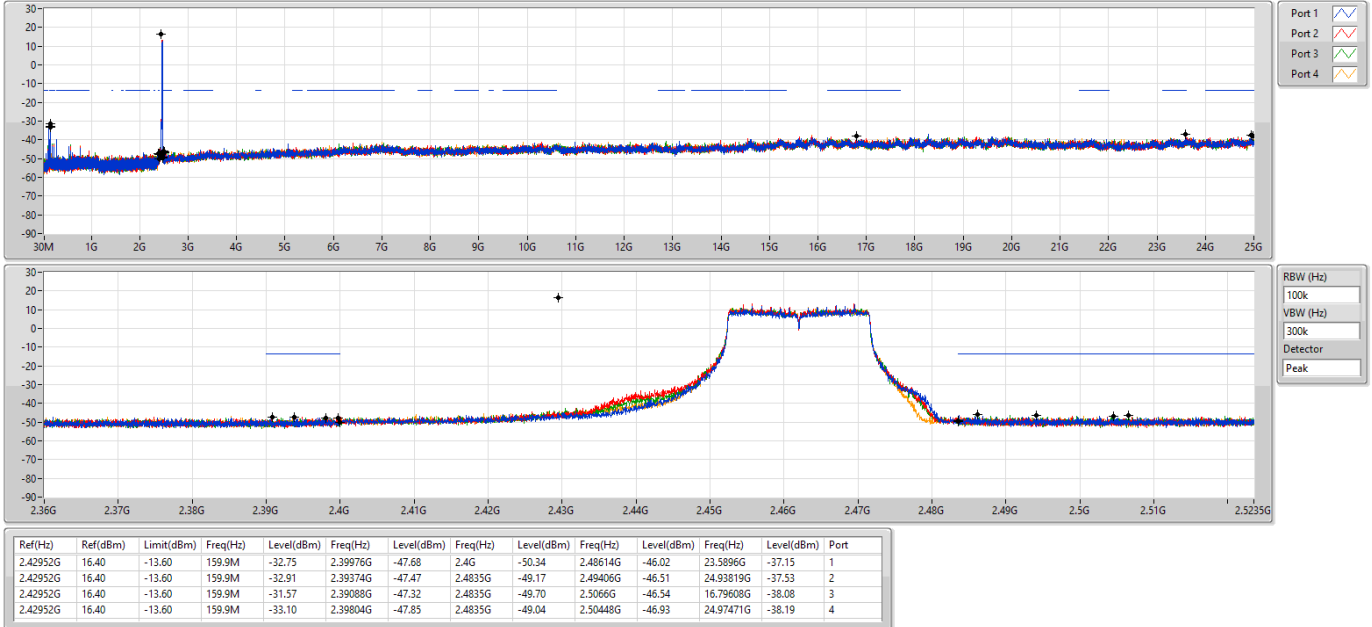


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.42952G	16.40	-13.60	159.9M	-33.36	2.4G	-35.48	2.4G	-40.60	2.5108G	-46.93	16.5685G	-39.15	1
2.42952G	16.40	-13.60	159.9M	-32.44	2.39904G	-35.76	2.4G	-38.24	2.4902G	-46.76	24.63476G	-37.93	2
2.42952G	16.40	-13.60	159.9M	-33.62	2.39916G	-34.93	2.4G	-37.57	2.49904G	-46.26	24.93338G	-39.01	3
2.42952G	16.40	-13.60	159.9M	-33.10	2.3993G	-34.76	2.4G	-38.23	2.4842G	-46.74	24.60385G	-38.32	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

CSENdB

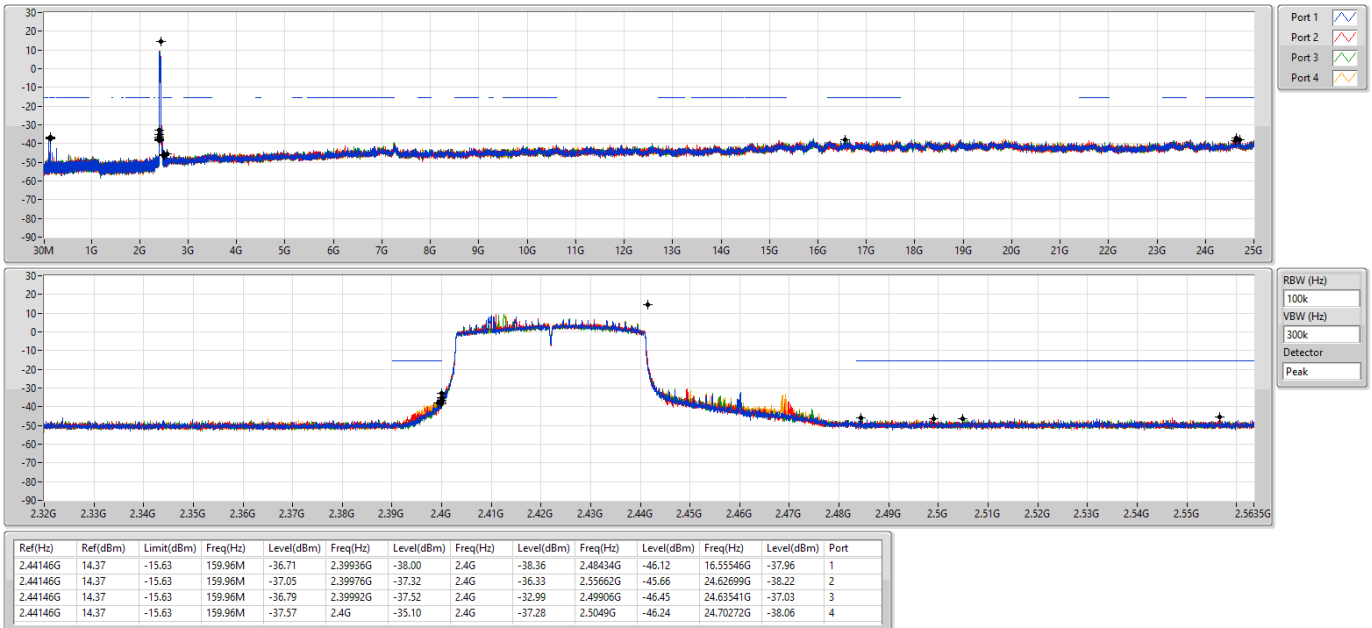
2462MHz



802.11ax HEW40-BF_Nss1,(MCS0)_4TX

CSENdB

2422MHz

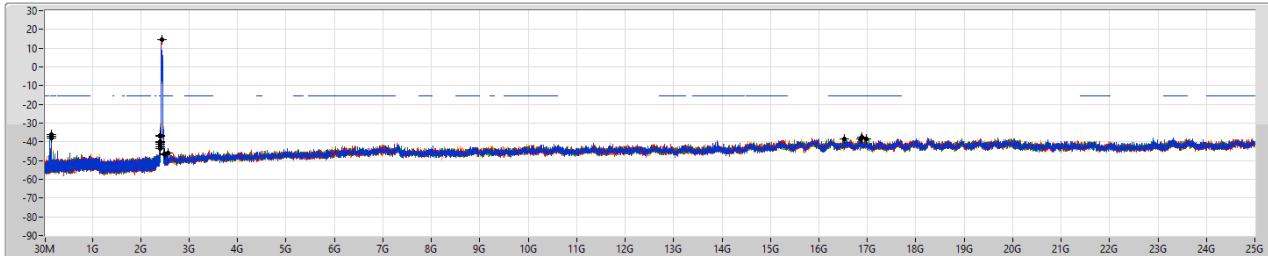


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

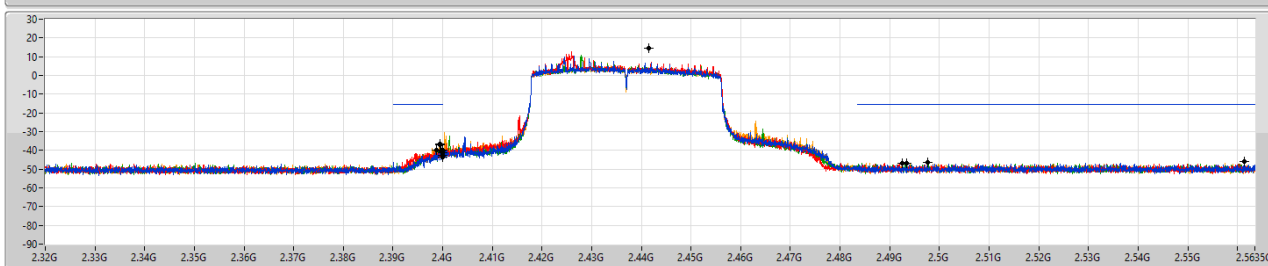
CSENdB

2437MHz

27/10/2021



Port 1
Port 2
Port 3
Port 4



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

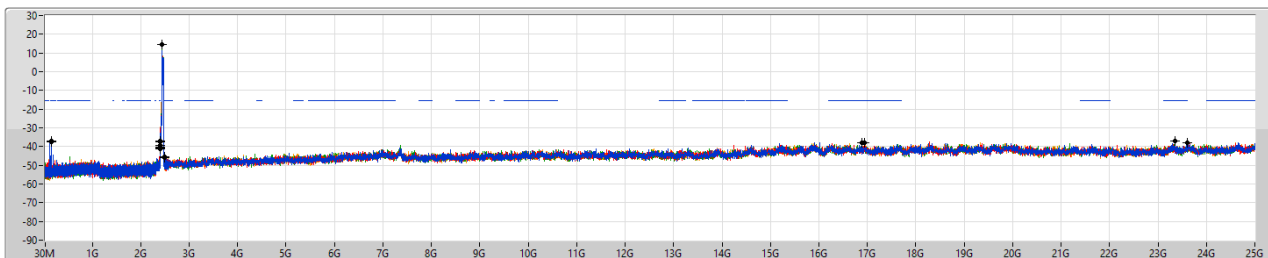
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2.44146G	14.37	-15.63	159.96M	-36.92	2.39952G	-37.20	2.4G	-43.45	2.49758G	-46.36	16.88079G	-37.68	1
2.44146G	14.37	-15.63	159.96M	-37.76	2.39964G	-40.26	2.4G	-40.06	2.5613G	-45.99	16.87799G	-38.30	2
2.44146G	14.37	-15.63	159.96M	-36.28	2.3988G	-39.90	2.4G	-42.85	2.49254G	-46.76	16.52461G	-38.25	3
2.44146G	14.37	-15.63	159.96M	-37.01	2.39948G	-36.78	2.4G	-41.19	2.49342G	-46.98	16.97334G	-38.37	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

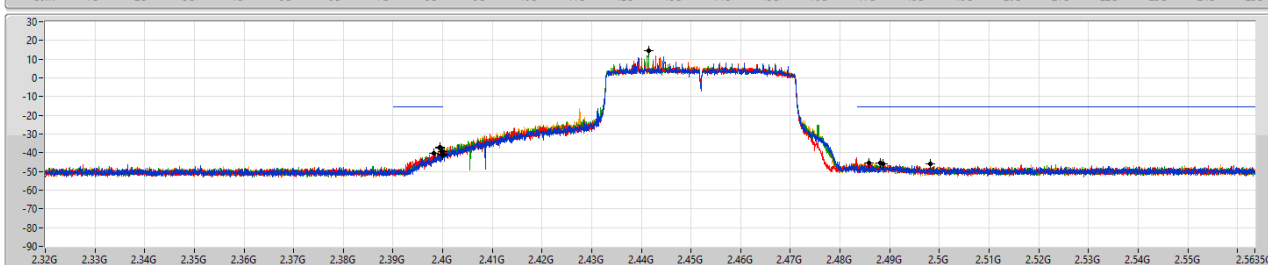
CSENdB

2452MHz

27/10/2021



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
2.44146G	14.37	-15.63	159.96M	-37.66	2.3982G	-40.47	2.4G	-40.88	2.48862G	-45.96	23.59772G	-37.83	1
2.44146G	14.37	-15.63	159.96M	-36.98	2.39952G	-37.54	2.4G	-41.26	2.48586G	-45.51	23.35653G	-37.12	2
2.44146G	14.37	-15.63	159.96M	-37.54	2.4G	-39.31	2.4G	-40.76	2.48818G	-45.84	16.93888G	-38.05	3
2.44146G	14.37	-15.63	159.96M	-37.23	2.39948G	-36.87	2.4G	-40.79	2.48818G	-45.29	16.89481G	-37.99	4



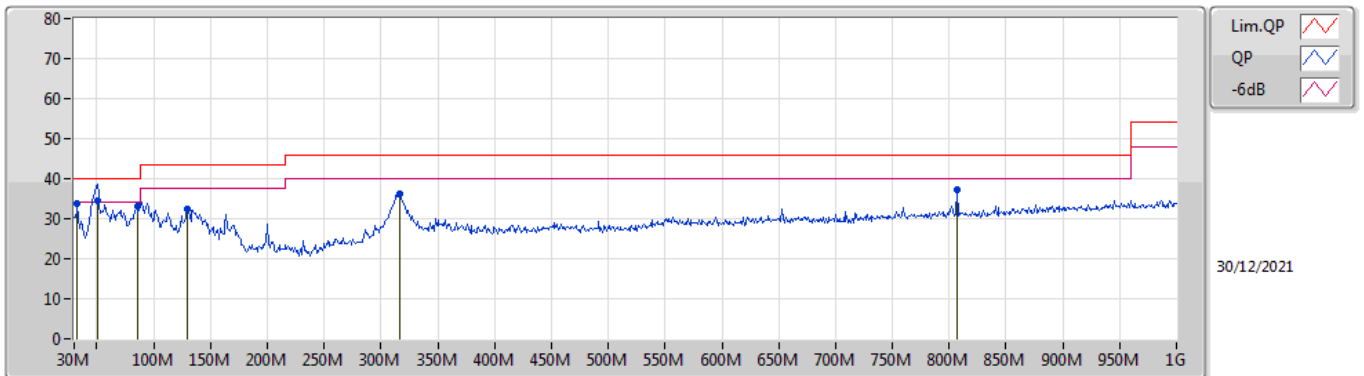
Radiated Emissions below 1GHz

Appendix F.1

Summary

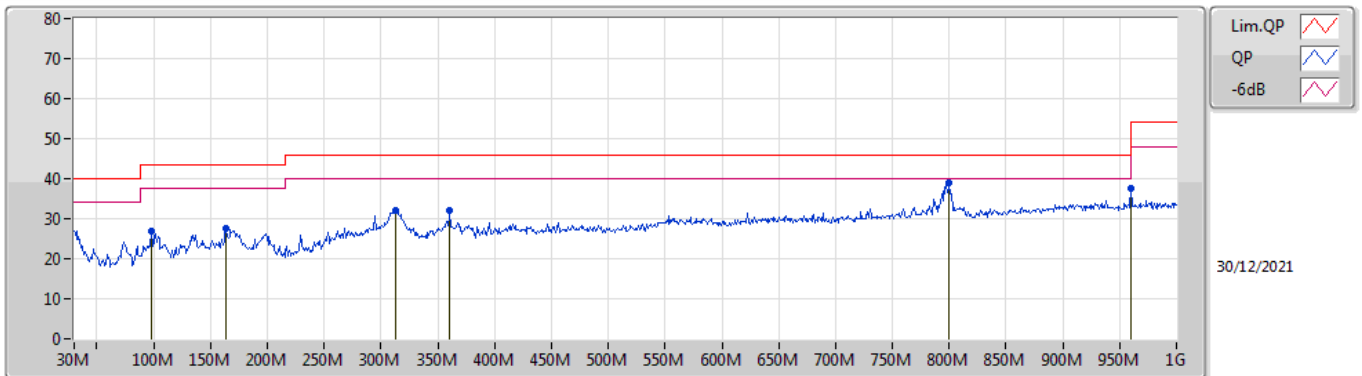
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	QP	50.37M	34.40	40.00	-5.60	Vertical

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	32.91M	33.92	40.00	-6.08	-8.12	3	Vertical	83	1.00	-	42.04	22.57	0.86	31.55
QP	50.37M	34.40	40.00	-5.60	-16.83	3	Vertical	325	1.00	"Worst"	51.23	13.83	1.10	31.76
PK	85.29M	33.04	40.00	-6.96	-16.95	3	Vertical	174	1.50	-	49.99	13.56	1.41	31.92
PK	129.91M	32.37	43.50	-11.13	-12.50	3	Vertical	142	1.00	-	44.87	17.75	1.70	31.95
PK	316.15M	36.11	46.00	-9.89	-9.87	3	Vertical	193	1.50	-	45.98	19.42	2.80	32.09
PK	806.97M	37.35	46.00	-8.65	-2.18	3	Vertical	45	1.50	-	39.53	25.57	4.93	32.68

Mode 1



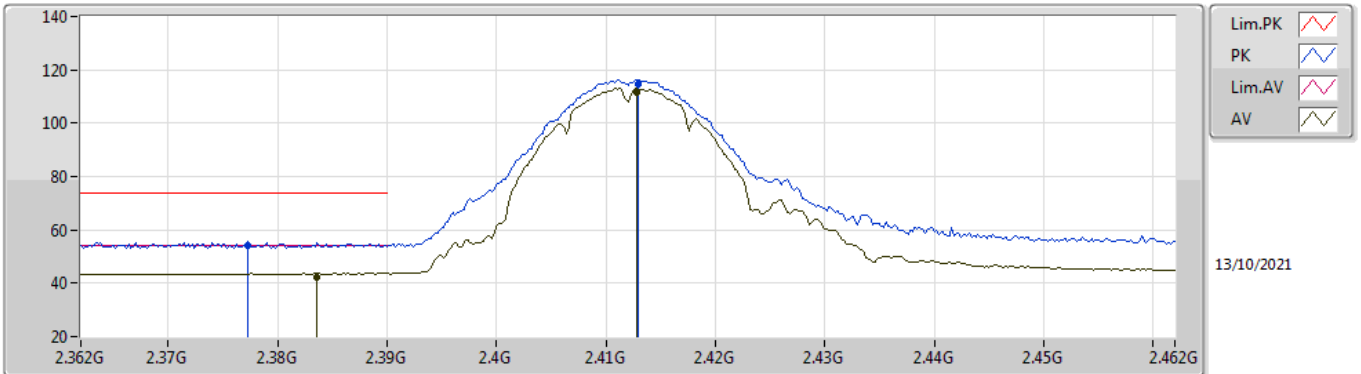
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	97.9M	26.75	43.50	-16.75	-14.20	3	Horizontal	139	3.00	-	40.95	16.22	1.46	31.88
PK	163.86M	27.48	43.50	-16.02	-14.37	3	Horizontal	122	2.00	-	41.85	15.57	2.02	31.96
PK	313.24M	32.10	46.00	-13.90	-9.94	3	Horizontal	272	1.00	-	42.04	19.37	2.78	32.09
PK	360.77M	31.90	46.00	-14.10	-8.44	3	Horizontal	75	1.00	-	40.34	20.65	3.04	32.13
PK	800.18M	38.93	46.00	-7.07	-2.22	3	Horizontal	85	1.25	"Worst"	41.15	25.57	4.90	32.69
PK	960M	37.57	54.00	-16.43	-0.39	3	Horizontal	237	1.00	-	37.96	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	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_4TX	Pass	AV	4.82396G	53.48	54.00	-0.52	3	Vertical	267	2.29	-

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

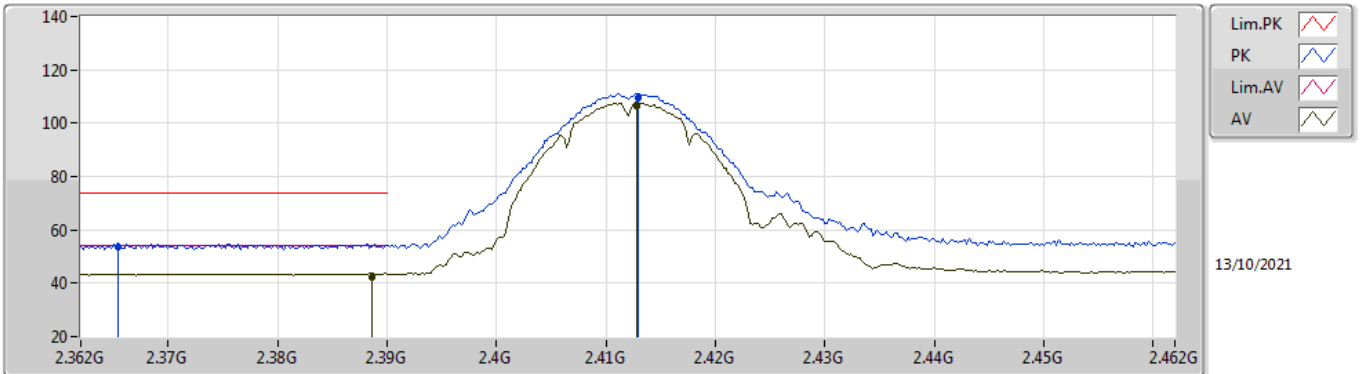


EUT_Y_4TX
Setting 26
01-A-B-4
K88 PA In

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	2.3772G	54.00	74.00	-20.00	22.85	3	Vertical	270	1.87	-	27.35	3.80	-
AV	2.3836G	42.19	54.00	-11.81	11.02	3	Vertical	270	1.87	-	27.37	3.80	-
PK	2.413G	114.83	Inf	-Inf	83.59	3	Vertical	270	1.87	-	27.43	3.81	-
AV	2.4128G	111.35	Inf	-Inf	80.11	3	Vertical	270	1.87	-	27.43	3.81	-

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

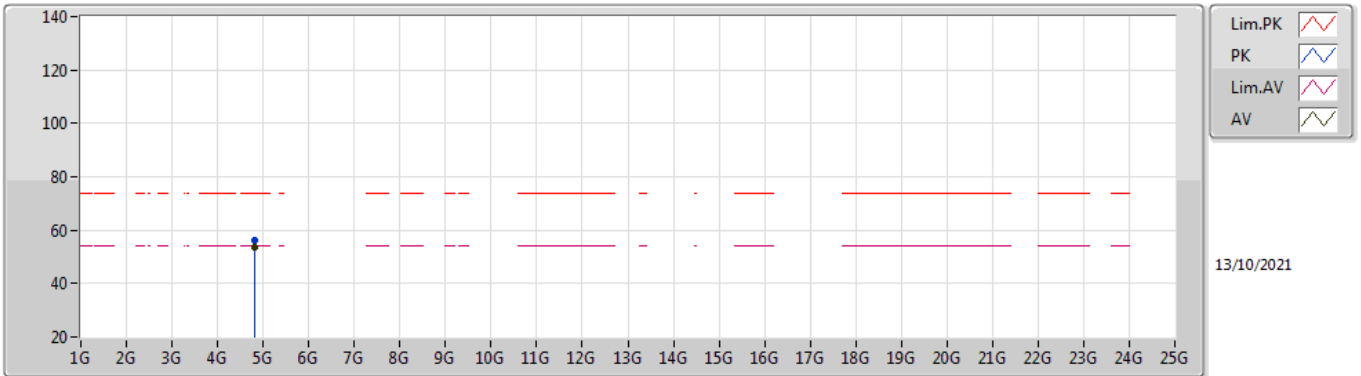


EUT_Y_4TX
Setting 26
01-A-B-4
K88 PA In

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	2.3654G	53.50	74.00	-20.50	22.37	3	Horizontal	87	1.63	-	27.33	3.80	-
AV	2.3886G	41.99	54.00	-12.01	10.81	3	Horizontal	87	1.63	-	27.38	3.80	-
PK	2.413G	109.67	Inf	-Inf	78.43	3	Horizontal	87	1.63	-	27.43	3.81	-
AV	2.4128G	106.13	Inf	-Inf	74.89	3	Horizontal	87	1.63	-	27.43	3.81	-

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

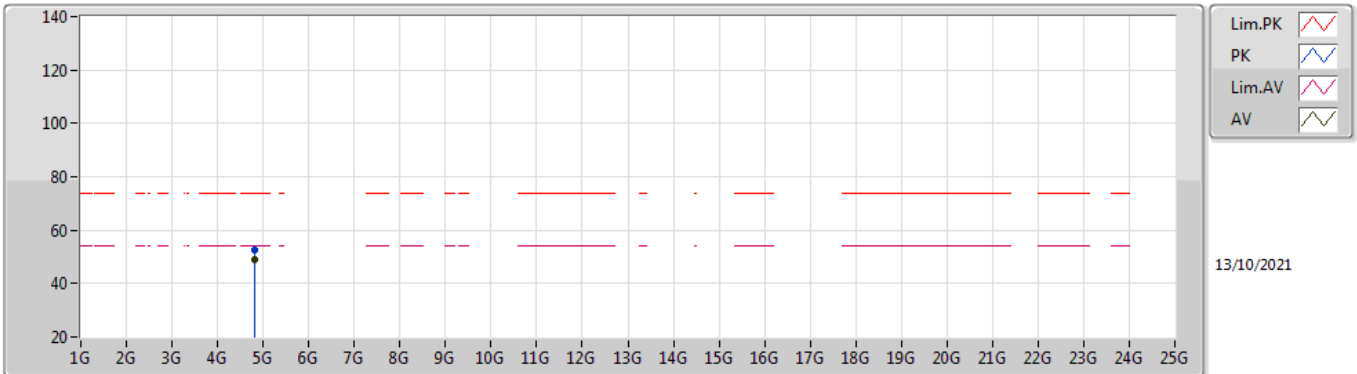


EUT Y_4TX
Setting 26
01-A-B-4
K88 PA In

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	4.82404G	56.10	74.00	-17.90	51.84	3	Vertical	267	2.29	-	32.24	5.00	32.98
AV	4.82396G	53.48	54.00	-0.52	49.22	3	Vertical	267	2.29	-	32.24	5.00	32.98

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

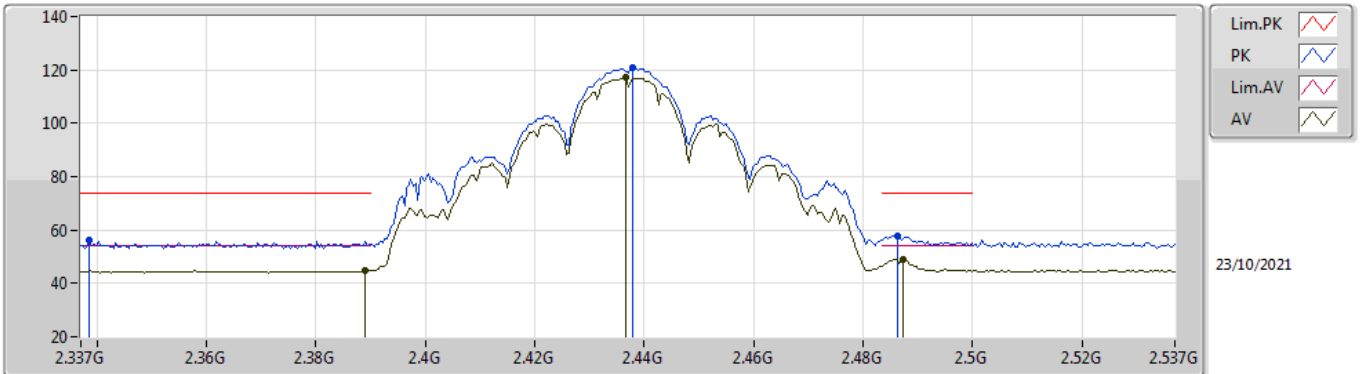


EUT Y_4TX
Setting 26
01-A-B-4
K88 PA In

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	4.82392G	52.35	74.00	-21.65	48.09	3	Horizontal	80	1.80	-	32.24	5.00	32.98	
AV	4.824G	48.95	54.00	-5.05	44.69	3	Horizontal	80	1.80	-	32.24	5.00	32.98	

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

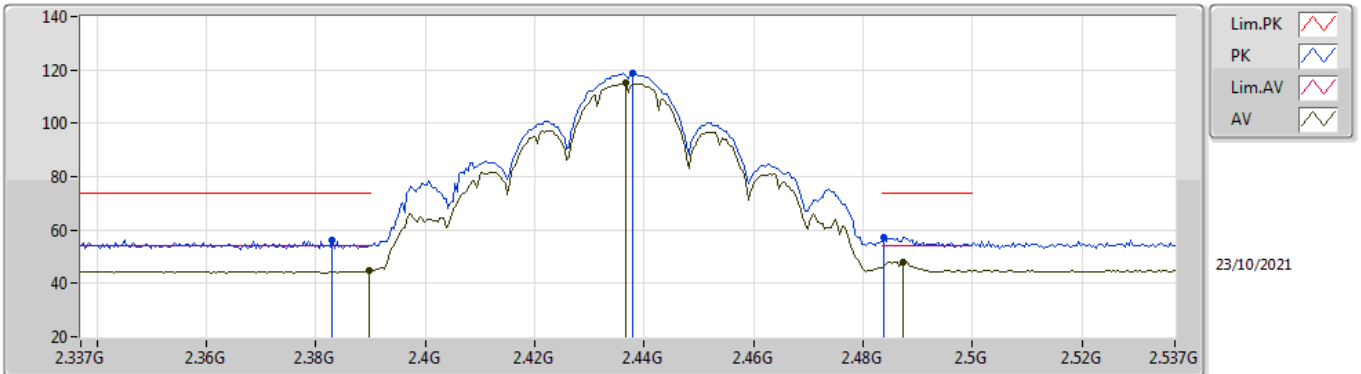


EUT_Y_4TX
Setting 25
01-A-S-8

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	2.3386G	56.11	74.00	-17.89	25.01	3	Vertical	158	2.23	-	27.30	3.80	-
AV	2.389G	45.02	54.00	-8.98	13.84	3	Vertical	158	2.23	-	27.38	3.80	-
PK	2.4378G	120.77	Inf	-Inf	89.47	3	Vertical	158	2.23	-	27.48	3.82	-
AV	2.4366G	117.09	Inf	-Inf	85.80	3	Vertical	158	2.23	-	27.47	3.82	-
PK	2.4862G	57.70	74.00	-16.30	26.14	3	Vertical	158	2.23	-	27.72	3.84	-
AV	2.4874G	48.91	54.00	-5.09	17.35	3	Vertical	158	2.23	-	27.72	3.84	-

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

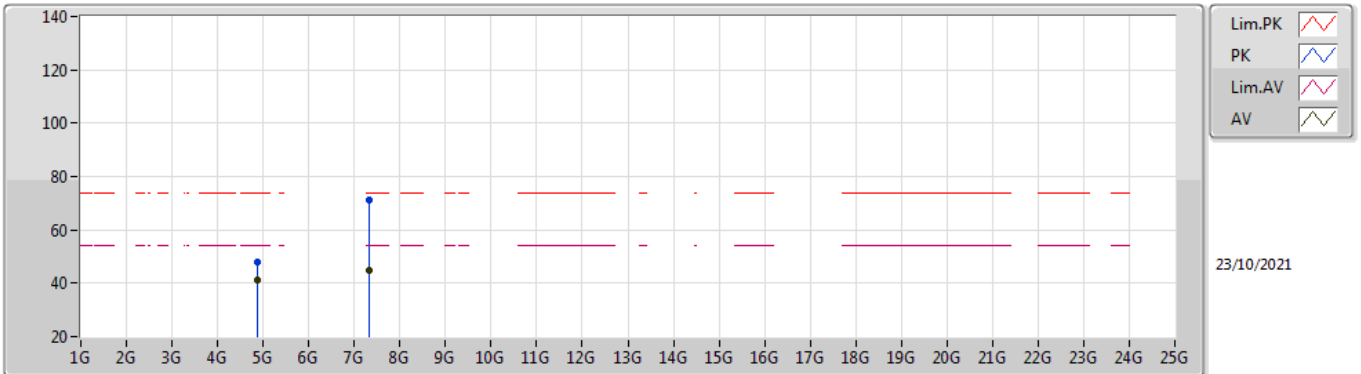


EUT_Y_4TX
Setting 25
01-A-S-8

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	2.383G	56.33	74.00	-17.67	25.16	3	Horizontal	45	2.10	-	27.37	3.80	-
AV	2.3898G	44.57	54.00	-9.43	13.39	3	Horizontal	45	2.10	-	27.38	3.80	-
PK	2.4378G	118.69	Inf	-Inf	87.39	3	Horizontal	45	2.10	-	27.48	3.82	-
AV	2.4366G	115.06	Inf	-Inf	83.77	3	Horizontal	45	2.10	-	27.47	3.82	-
PK	2.4838G	57.16	74.00	-16.84	25.62	3	Horizontal	45	2.10	-	27.70	3.84	-
AV	2.4874G	48.08	54.00	-5.92	16.52	3	Horizontal	45	2.10	-	27.72	3.84	-

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

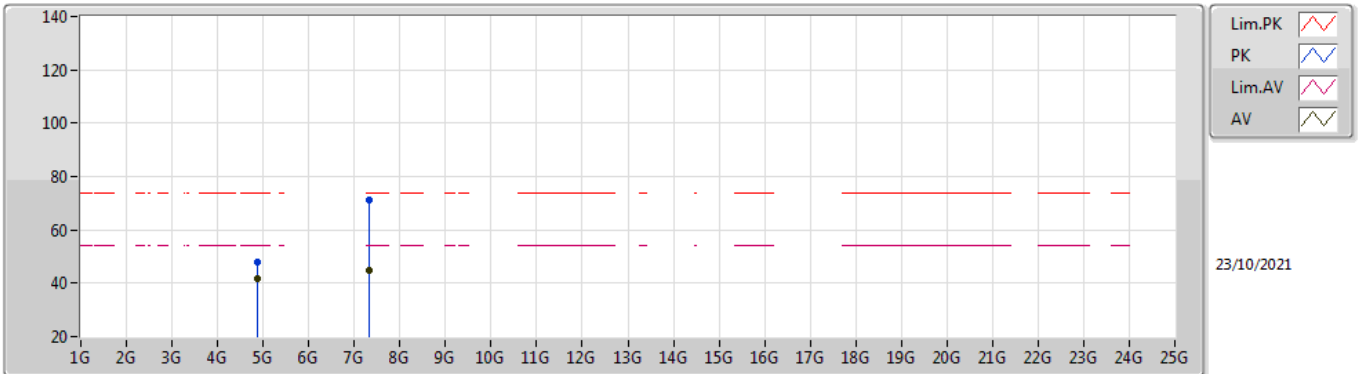


EUT Y_4TX
Setting 25
01-A-S-8

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	4.8736G	47.98	74.00	-26.02	42.21	3	Vertical	104	2.25	-	32.45	6.30	32.98	
AV	4.874G	41.03	54.00	-12.97	35.26	3	Vertical	104	2.25	-	32.45	6.30	32.98	
PK	7.31344G	71.14	74.00	-2.86	59.76	3	Vertical	303	1.80	-	37.15	7.31	33.08	
AV	7.31248G	44.65	54.00	-9.35	33.27	3	Vertical	303	1.80	-	37.15	7.31	33.08	

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

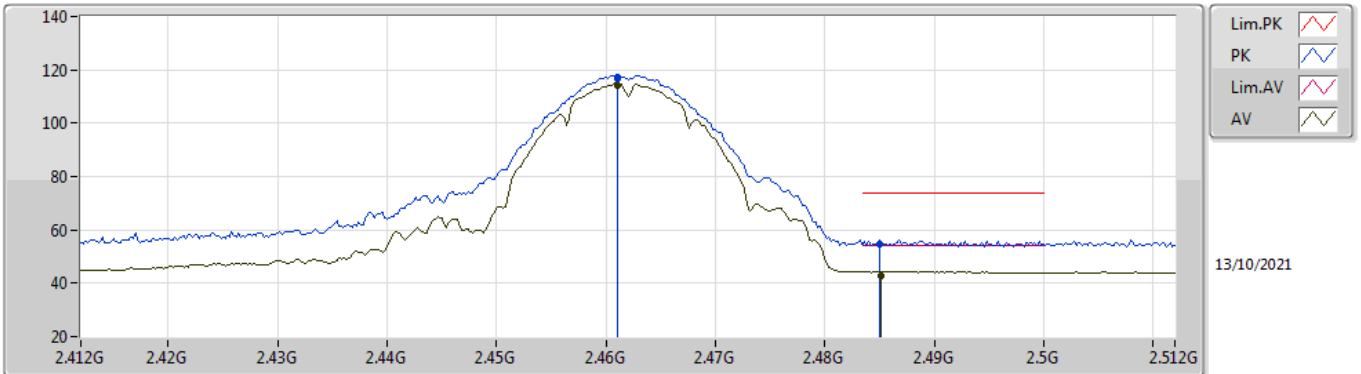


EUT_Y_4TX
Setting 25
01-A-S-8

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	4.8744G	48.18	74.00	-25.82	42.41	3	Horizontal	221	2.45	-	32.45	6.30	32.98
AV	4.874G	41.59	54.00	-12.41	35.82	3	Horizontal	221	2.45	-	32.45	6.30	32.98
PK	7.3135G	71.05	74.00	-2.95	59.67	3	Horizontal	104	2.94	-	37.15	7.31	33.08
AV	7.31146G	44.76	54.00	-9.24	33.38	3	Horizontal	104	2.94	-	37.15	7.31	33.08

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

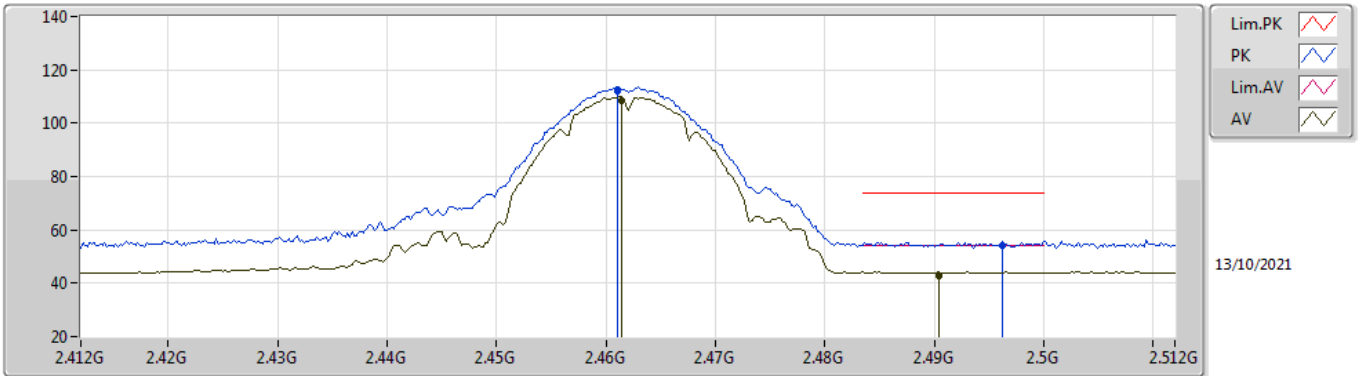


EUT_Y_4TX
Setting 24.5
01-A-B-4
K88 PA In

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA	
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)	
PK	2.461G	116.58	Inf	-Inf	85.18	3	Vertical	250	1.80	-	27.57	3.83	-	
AV	2.461G	114.20	Inf	-Inf	82.80	3	Vertical	250	1.80	-	27.57	3.83	-	
PK	2.485G	54.49	74.00	-19.51	22.94	3	Vertical	250	1.80	-	27.71	3.84	-	
AV	2.4852G	42.98	54.00	-11.02	11.43	3	Vertical	250	1.80	-	27.71	3.84	-	

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

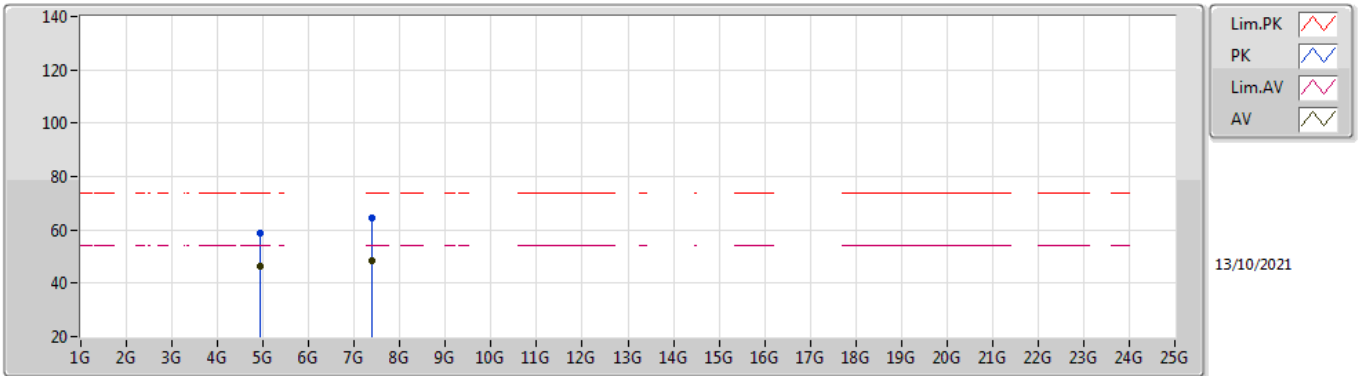


EUT_Y_4TX
Setting 24.5
01-A-B-4
K88 PA In

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	2.461G	111.91	Inf	-Inf	80.51	3	Horizontal	90	1.58	-	27.57	3.83	-
AV	2.4614G	108.50	Inf	-Inf	77.10	3	Horizontal	90	1.58	-	27.57	3.83	-
PK	2.4962G	54.34	74.00	-19.66	22.71	3	Horizontal	90	1.58	-	27.78	3.85	-
AV	2.4904G	42.59	54.00	-11.41	11.00	3	Horizontal	90	1.58	-	27.74	3.85	-

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

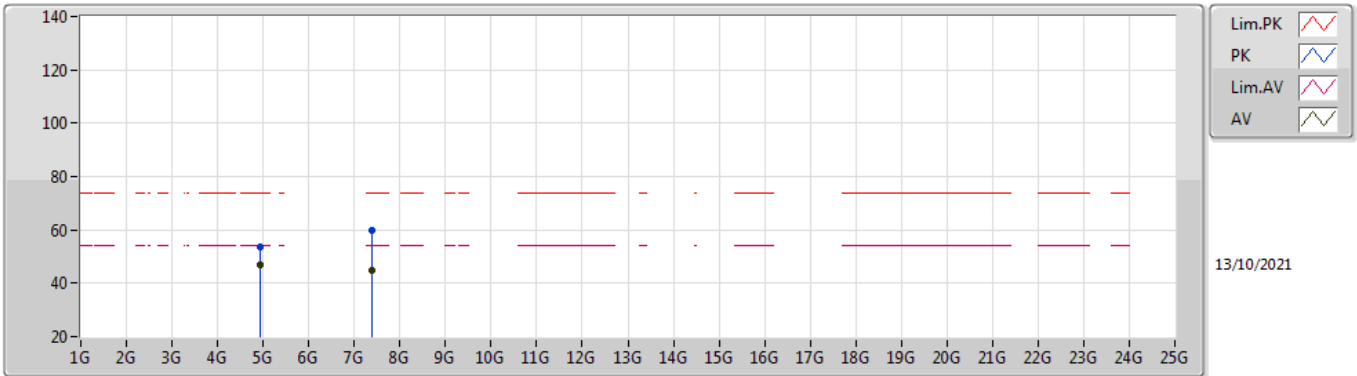


EUT Y_4TX
Setting 24.5
01-A-B-4
K88 PA In

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	4.92396G	58.78	74.00	-15.22	52.81	3	Vertical	49	2.38	-	32.64	6.30	32.97
AV	4.924G	46.28	54.00	-7.72	40.31	3	Vertical	49	2.38	-	32.64	6.30	32.97
PK	7.3876G	64.27	74.00	-9.73	52.63	3	Vertical	263	2.94	-	37.30	7.39	33.05
AV	7.38424G	48.42	54.00	-5.58	36.79	3	Vertical	263	2.94	-	37.30	7.38	33.05

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

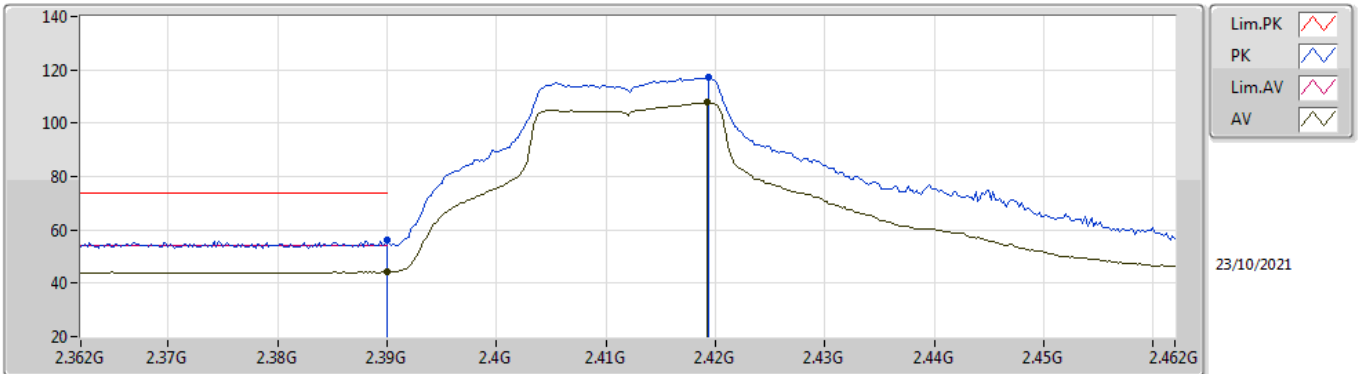


EUT_Y_4TX
Setting 24.5
01-A-B-4
K88 PA In

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	4.924G	53.54	74.00	-20.46	47.57	3	Horizontal	83	1.50	-	32.64	6.30	32.97
AV	4.92396G	46.98	54.00	-7.02	41.01	3	Horizontal	83	1.50	-	32.64	6.30	32.97
PK	7.38812G	59.65	74.00	-14.35	48.01	3	Horizontal	311	3.00	-	37.30	7.39	33.05
AV	7.38668G	45.01	54.00	-8.99	33.37	3	Horizontal	311	3.00	-	37.30	7.39	33.05

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

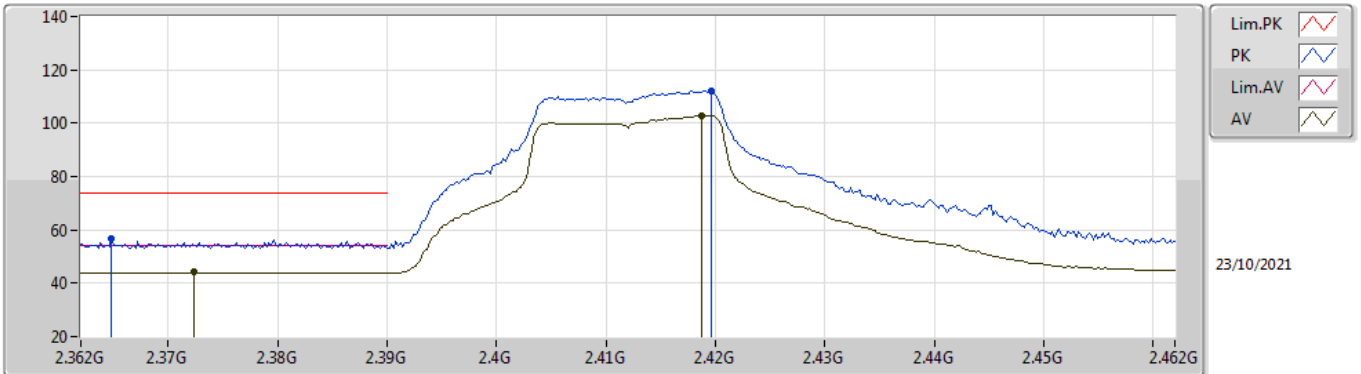


EUT Y_4TX
Setting 27
01-A-S-8

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	2.39G	56.17	74.00	-17.83	24.99	3	Vertical	256	1.79	-	27.38	3.80	-	
AV	2.39G	44.36	54.00	-9.64	13.18	3	Vertical	256	1.79	-	27.38	3.80	-	
PK	2.4194G	117.05	Inf	-Inf	85.80	3	Vertical	256	1.79	-	27.44	3.81	-	
AV	2.4192G	107.78	Inf	-Inf	76.53	3	Vertical	256	1.79	-	27.44	3.81	-	

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

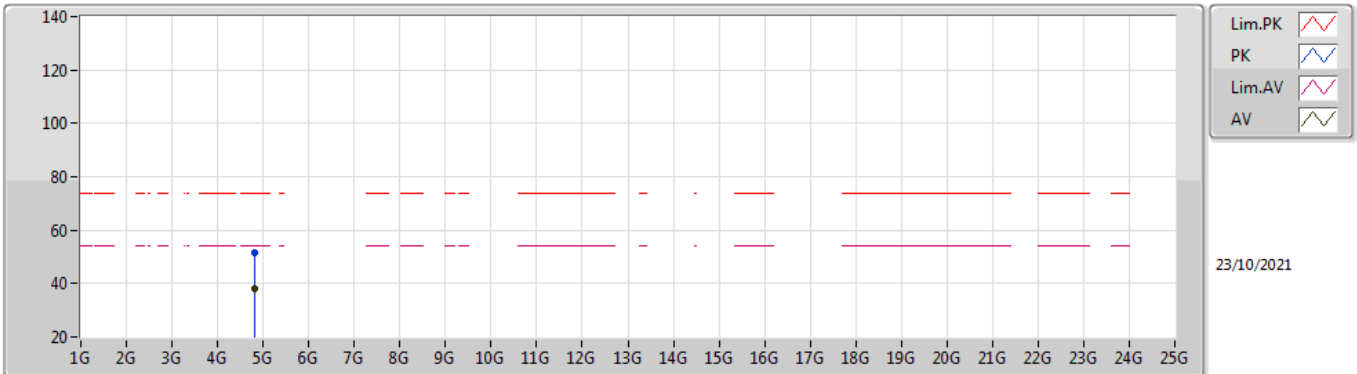


EUT_Y_4TX
Setting 27
01-A-S-8

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	2.3648G	56.48	74.00	-17.52	25.35	3	Horizontal	93	1.94	-	27.33	3.80	-
AV	2.3724G	44.08	54.00	-9.92	12.94	3	Horizontal	93	1.94	-	27.34	3.80	-
PK	2.4196G	111.99	Inf	-Inf	80.74	3	Horizontal	93	1.94	-	27.44	3.81	-
AV	2.4188G	102.85	Inf	-Inf	71.60	3	Horizontal	93	1.94	-	27.44	3.81	-

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

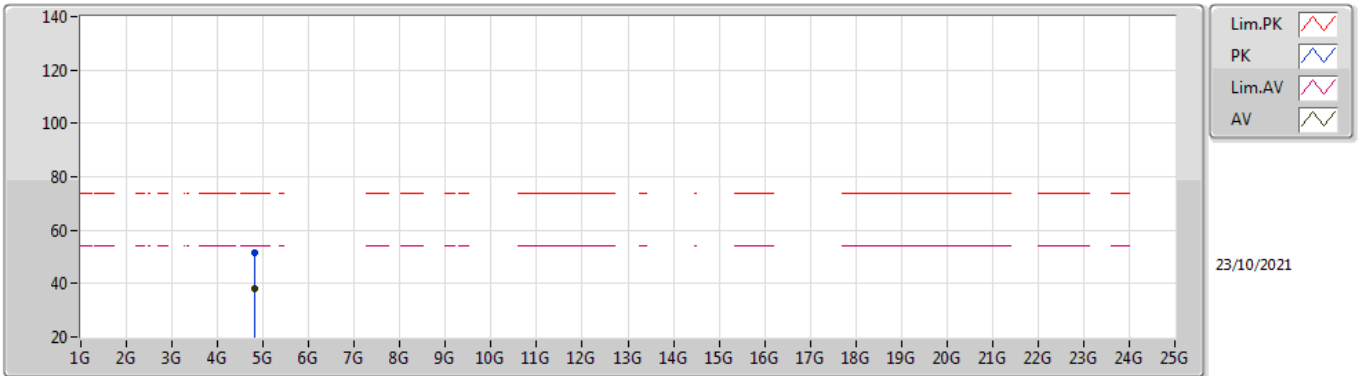


EUT Y_4TX
Setting 27
01-A-S-8

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	4.8248G	51.53	74.00	-22.47	45.96	3	Vertical	279	1.29	-	32.25	6.30	32.98	
AV	4.824G	37.99	54.00	-16.01	32.43	3	Vertical	279	1.29	-	32.24	6.30	32.98	

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

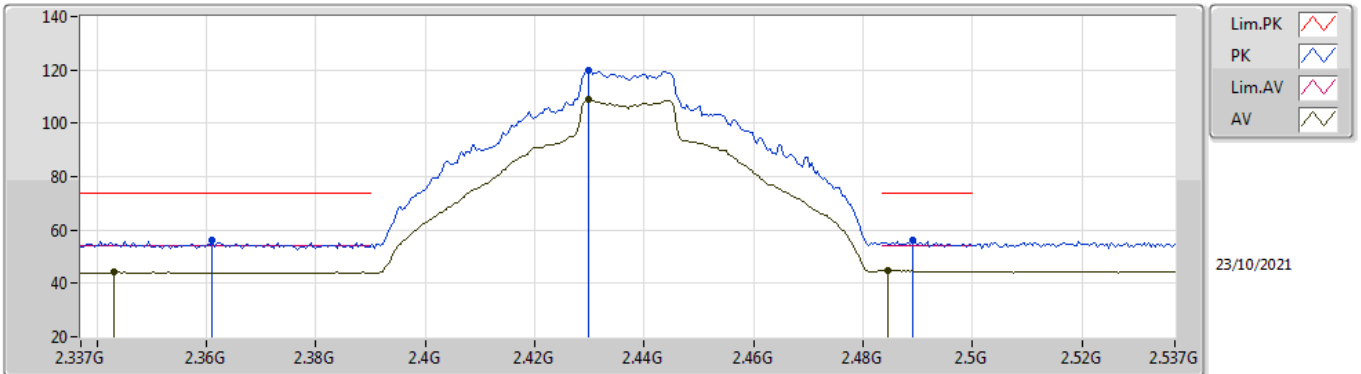


EUT Y_4TX
Setting 27
01-A-S-8

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	4.8244G	51.49	74.00	-22.51	45.92	3	Horizontal	271	2.84	-	32.25	6.30	32.98
AV	4.8222G	38.14	54.00	-15.86	32.59	3	Horizontal	271	2.84	-	32.23	6.30	32.98

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

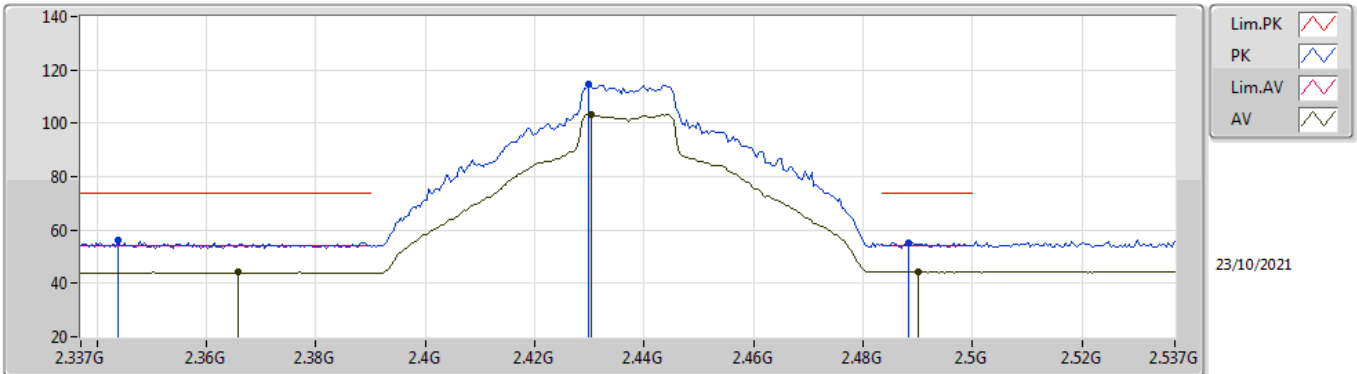


EUT_Y_4TX
Setting 26
01-A-S-8

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	2.361G	56.35	74.00	-17.65	25.23	3	Vertical	259	1.65	-	27.32	3.80	-
AV	2.343G	44.14	54.00	-9.86	13.04	3	Vertical	259	1.65	-	27.30	3.80	-
PK	2.4298G	120.01	Inf	-Inf	88.74	3	Vertical	259	1.65	-	27.46	3.81	-
AV	2.4298G	108.74	Inf	-Inf	77.47	3	Vertical	259	1.65	-	27.46	3.81	-
PK	2.489G	56.08	74.00	-17.92	24.51	3	Vertical	259	1.65	-	27.73	3.84	-
AV	2.4846G	44.87	54.00	-9.13	13.32	3	Vertical	259	1.65	-	27.71	3.84	-

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

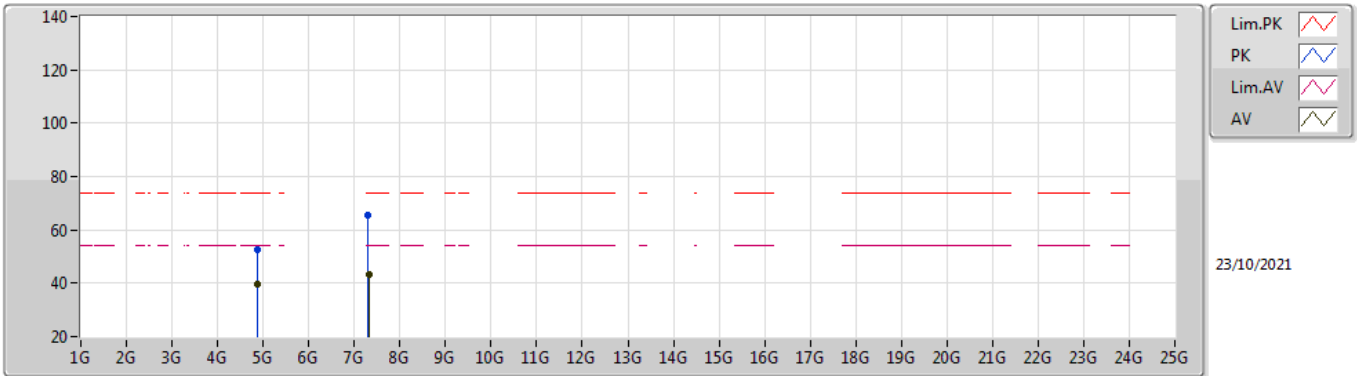


EUT_Y_4TX
Setting 26
01-A-S-8

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	2.3438G	56.40	74.00	-17.60	25.30	3	Horizontal	97	1.80	-	27.30	3.80	-
AV	2.3658G	44.12	54.00	-9.88	12.99	3	Horizontal	97	1.80	-	27.33	3.80	-
PK	2.4298G	114.88	Inf	-Inf	83.61	3	Horizontal	97	1.80	-	27.46	3.81	-
AV	2.4302G	103.52	Inf	-Inf	72.24	3	Horizontal	97	1.80	-	27.46	3.82	-
PK	2.4882G	55.43	74.00	-18.57	23.86	3	Horizontal	97	1.80	-	27.73	3.84	-
AV	2.4902G	44.32	54.00	-9.68	12.73	3	Horizontal	97	1.80	-	27.74	3.85	-

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

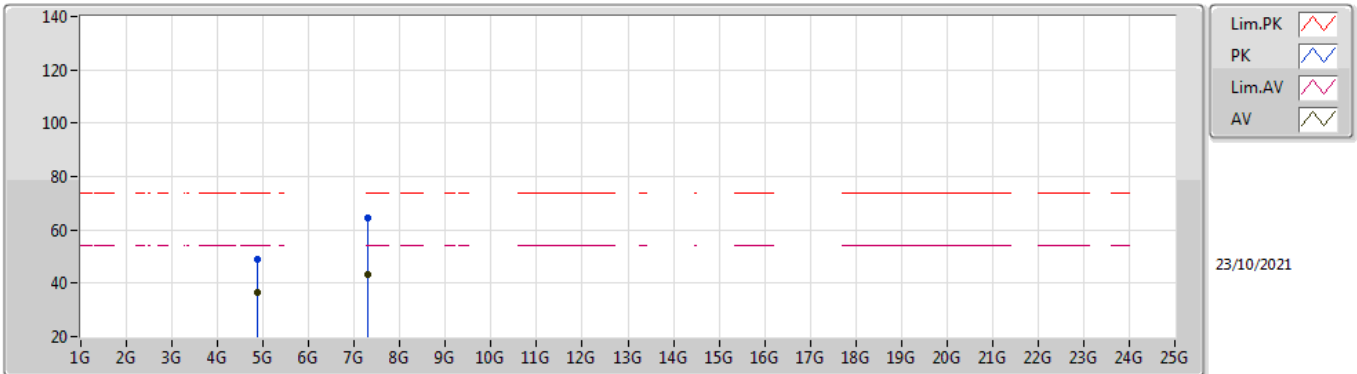


EUT Y_4TX
Setting 26
01-A-S-8

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	4.8746G	52.39	74.00	-21.61	46.62	3	Vertical	256	3.00	-	32.45	6.30	32.98
AV	4.874G	39.43	54.00	-14.57	33.66	3	Vertical	256	3.00	-	32.45	6.30	32.98
PK	7.3002G	65.38	74.00	-8.62	54.06	3	Vertical	262	2.93	-	37.10	7.30	33.08
AV	7.3112G	43.49	54.00	-10.51	32.12	3	Vertical	262	2.93	-	37.14	7.31	33.08

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

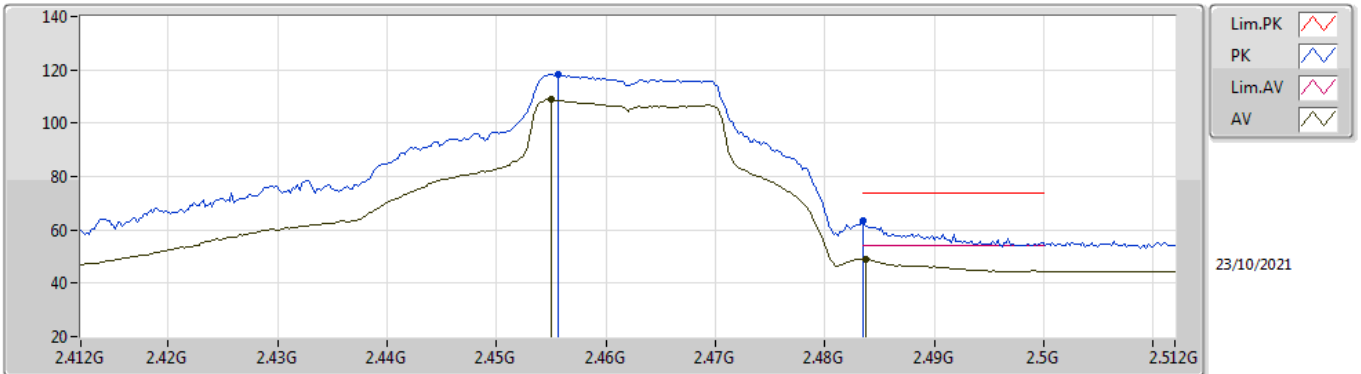


EUT Y_4TX
Setting 26
01-A-S-8

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	4.8756G	49.19	74.00	-24.81	43.42	3	Horizontal	193	1.08	-	32.45	6.30	32.98
AV	4.8752G	36.40	54.00	-17.60	30.63	3	Horizontal	193	1.08	-	32.45	6.30	32.98
PK	7.3072G	64.24	74.00	-9.76	52.88	3	Horizontal	260	2.99	-	37.13	7.31	33.08
AV	7.3076G	43.25	54.00	-10.75	31.89	3	Horizontal	260	2.99	-	37.13	7.31	33.08

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

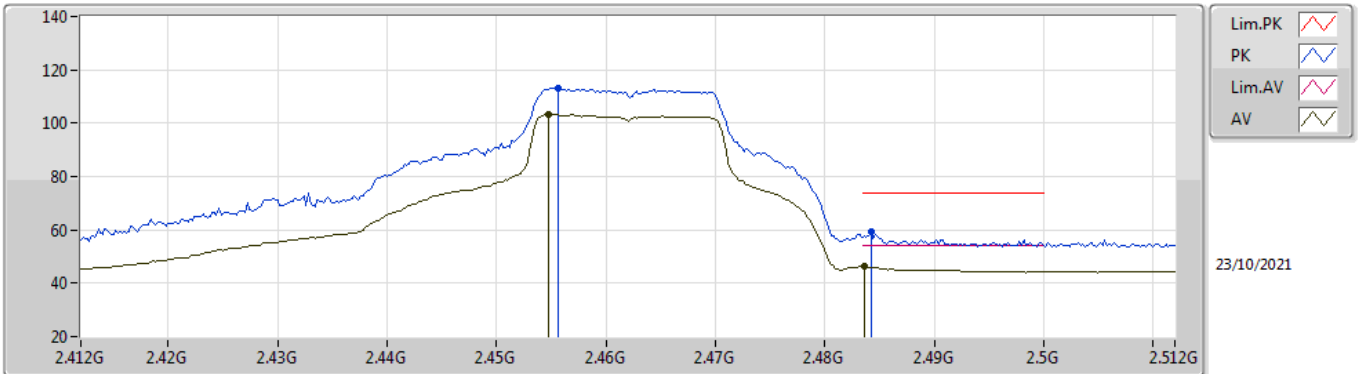


EUT_Y_4TX
Setting 25
01-A-S-8

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	2.4556G	118.49	Inf	-Inf	87.13	3	Vertical	254	1.80	-	27.53	3.83	-
AV	2.455G	108.75	Inf	-Inf	77.39	3	Vertical	254	1.80	-	27.53	3.83	-
PK	2.4835G	63.33	74.00	-10.67	31.79	3	Vertical	254	1.80	-	27.70	3.84	-
AV	2.4838G	49.12	54.00	-4.88	17.58	3	Vertical	254	1.80	-	27.70	3.84	-

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

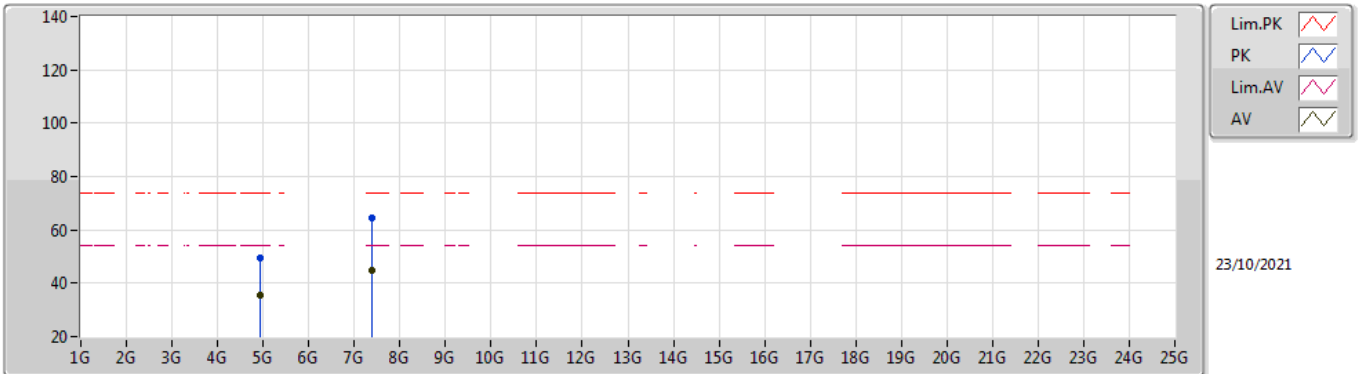


EUT_Y_4TX
Setting 25
01-A-S-8

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	2.4556G	113.35	Inf	-Inf	81.99	3	Horizontal	95	1.74	-	27.53	3.83	-
AV	2.4548G	103.50	Inf	-Inf	72.14	3	Horizontal	95	1.74	-	27.53	3.83	-
PK	2.4842G	59.11	74.00	-14.89	27.56	3	Horizontal	95	1.74	-	27.71	3.84	-
AV	2.4836G	46.19	54.00	-7.81	14.65	3	Horizontal	95	1.74	-	27.70	3.84	-

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

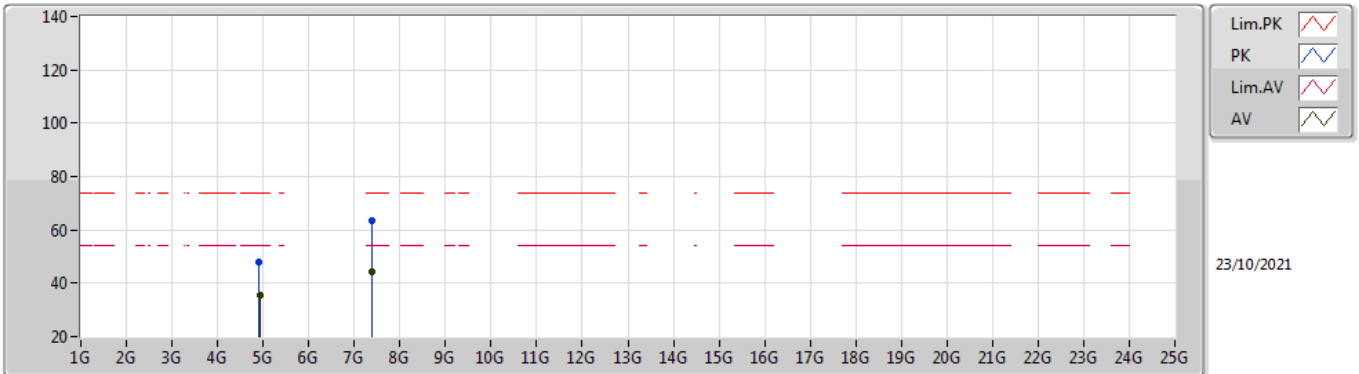


EUT_Y_4TX
Setting 25
01-A-S-8

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	4.923G	49.48	74.00	-24.52	43.51	3	Vertical	262	2.37	-	32.64	6.30	32.97
AV	4.924G	35.54	54.00	-18.46	29.57	3	Vertical	262	2.37	-	32.64	6.30	32.97
PK	7.3868G	64.44	74.00	-9.56	52.80	3	Vertical	266	2.95	-	37.30	7.39	33.05
AV	7.3908G	44.73	54.00	-9.27	33.09	3	Vertical	266	2.95	-	37.30	7.39	33.05

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

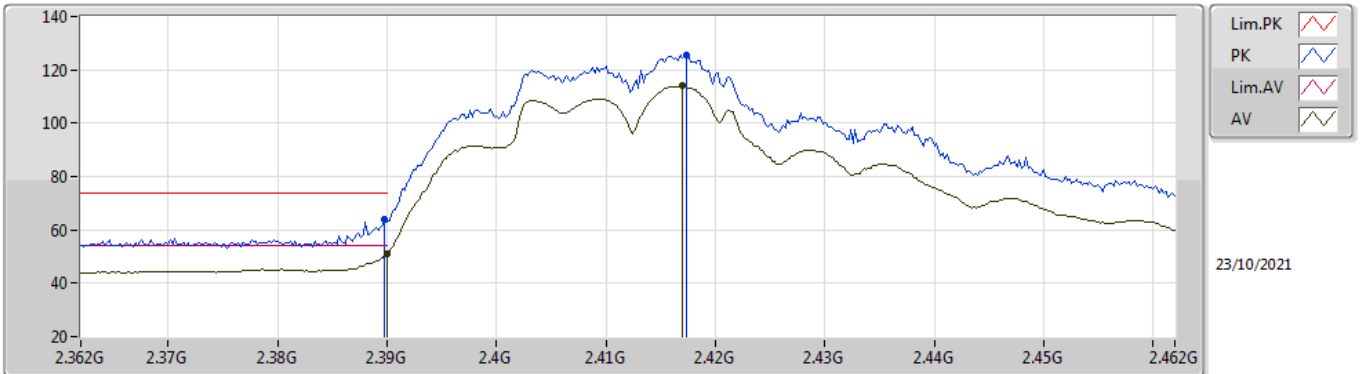


EUT_Y_4TX
Setting 25
01-A-S-8

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	4.9118G	47.85	74.00	-26.15	41.95	3	Horizontal	317	2.61	-	32.57	6.30	32.97
AV	4.9252G	35.49	54.00	-18.51	29.51	3	Horizontal	317	2.61	-	32.65	6.30	32.97
PK	7.3782G	63.64	74.00	-10.36	52.01	3	Horizontal	50	2.83	-	37.30	7.38	33.05
AV	7.3876G	44.22	54.00	-9.78	32.58	3	Horizontal	50	2.83	-	37.30	7.39	33.05

802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz_TX

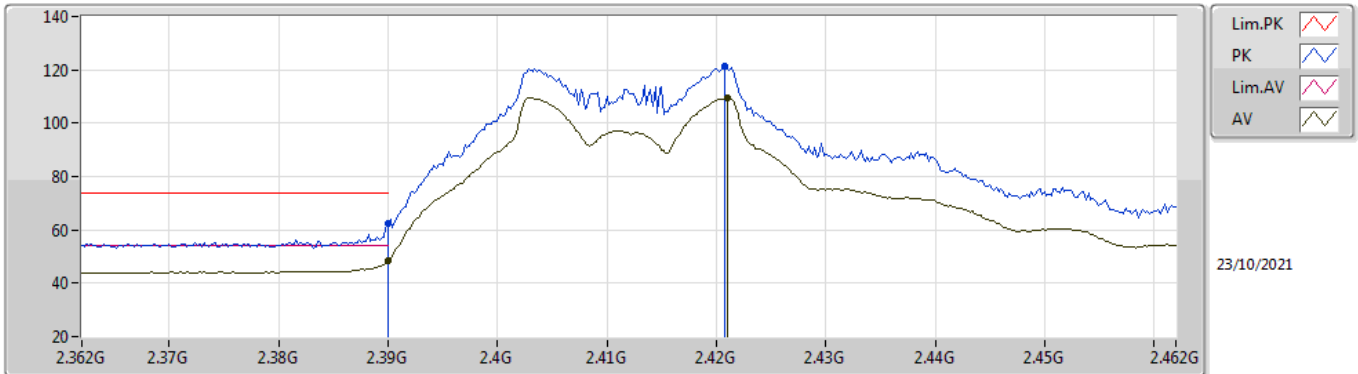


EUT Y_4TX
Setting 27
01-A-S-8

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	2.3898G	63.83	74.00	-10.17	32.65	3	Vertical	265	1.67	-	27.38	3.80	-	
AV	2.39G	51.27	54.00	-2.73	20.09	3	Vertical	265	1.67	-	27.38	3.80	-	
PK	2.4174G	125.46	Inf	-Inf	94.22	3	Vertical	265	1.67	-	27.43	3.81	-	
AV	2.417G	113.93	Inf	-Inf	82.69	3	Vertical	265	1.67	-	27.43	3.81	-	

802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz_TX

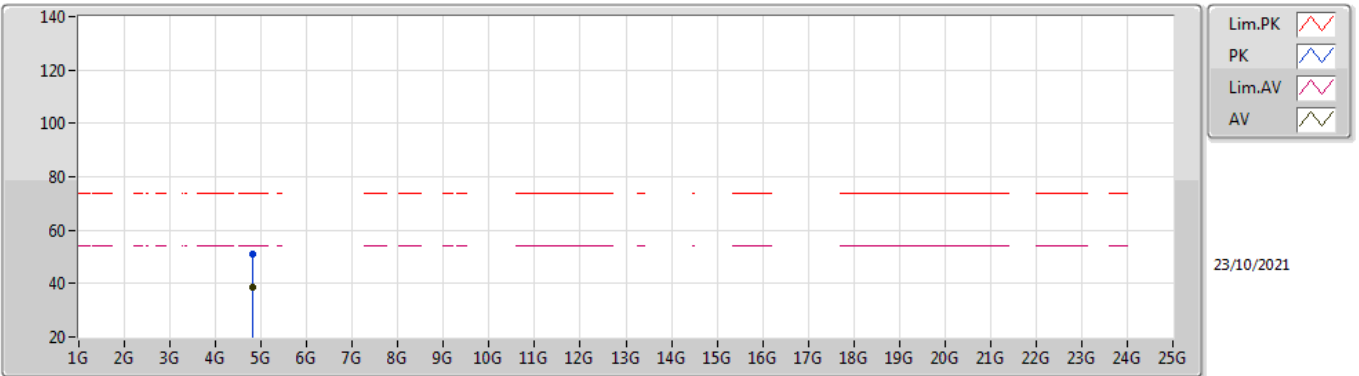


EUT Y_4TX
Setting 27
01-A-S-8

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	2.39G	62.22	74.00	-11.78	31.04	3	Horizontal	82	1.80	-	27.38	3.80	-
AV	2.39G	48.38	54.00	-5.62	17.20	3	Horizontal	82	1.80	-	27.38	3.80	-
PK	2.4208G	121.26	Inf	-Inf	90.01	3	Horizontal	82	1.80	-	27.44	3.81	-
AV	2.421G	109.70	Inf	-Inf	78.45	3	Horizontal	82	1.80	-	27.44	3.81	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz_TX

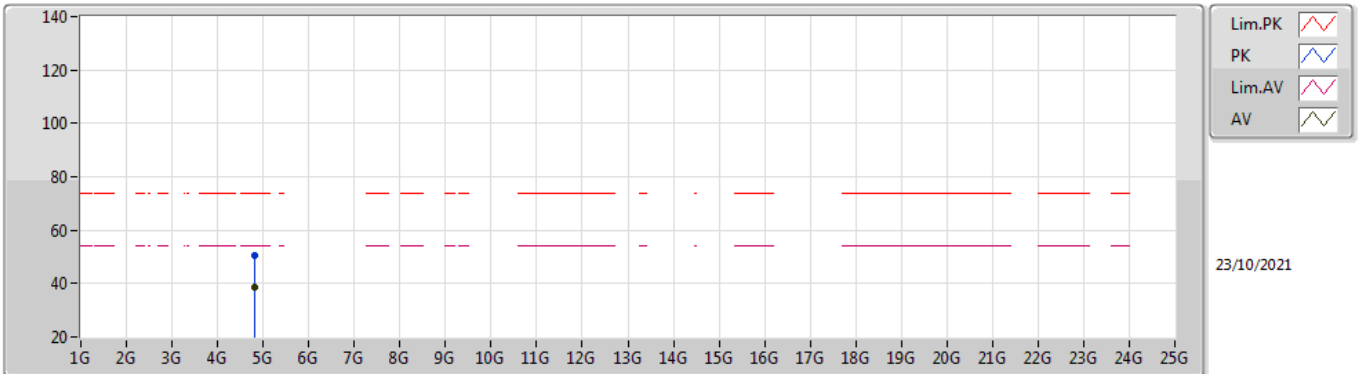


EUT Y_4TX
Setting 27
01-A-S-8

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	4.823G	51.15	74.00	-22.85	45.59	3	Vertical	283	1.42	-	32.24	6.30	32.98	
AV	4.8234G	38.66	54.00	-15.34	33.10	3	Vertical	283	1.42	-	32.24	6.30	32.98	

802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz_TX

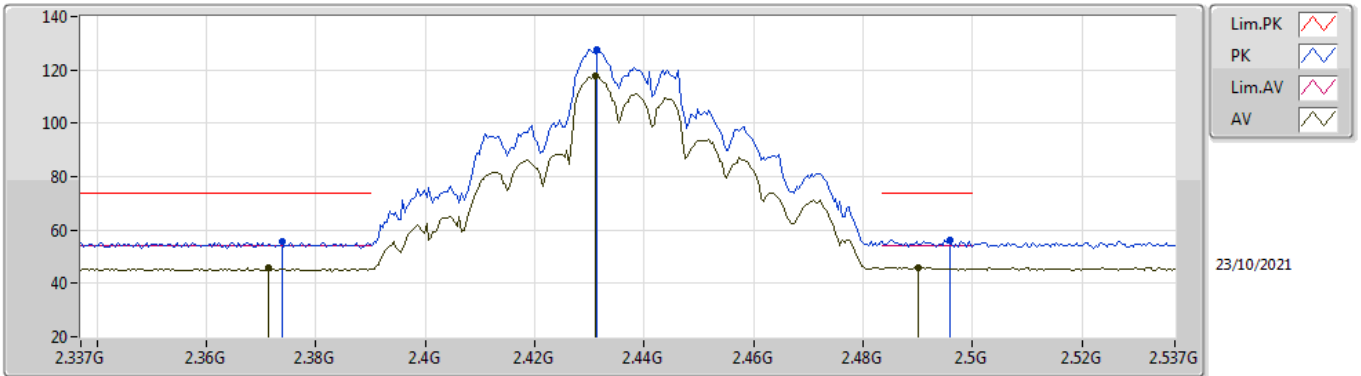


EUT Y_4TX
Setting 27
01-A-S-8

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	4.823G	50.63	74.00	-23.37	45.07	3	Horizontal	14	2.82	-	32.24	6.30	32.98	
AV	4.8228G	38.46	54.00	-15.54	32.90	3	Horizontal	14	2.82	-	32.24	6.30	32.98	

802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX

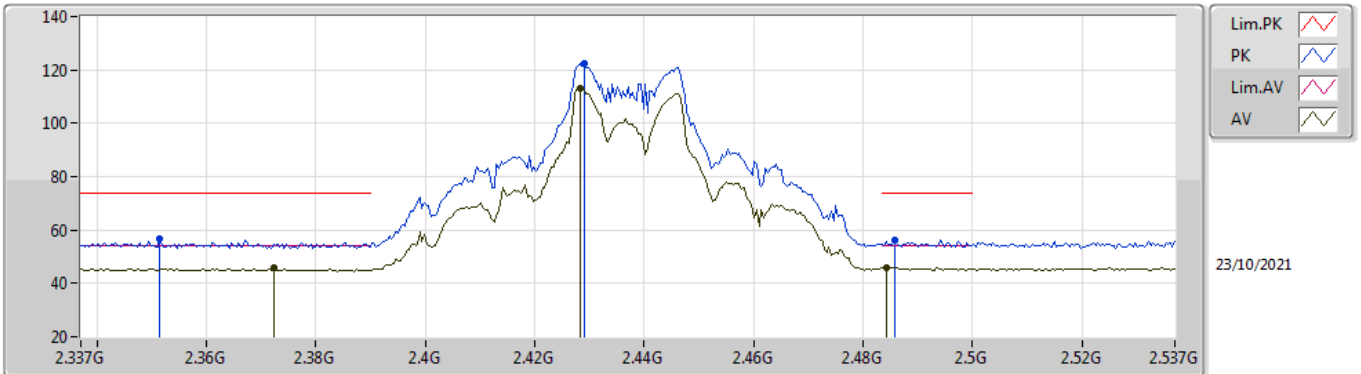


EUT Y_4TX
Setting 25.5
01-A-S-8

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	2.3738G	55.84	74.00	-18.16	24.69	3	Vertical	226	2.01	-	27.35	3.80	-
AV	2.3714G	45.85	54.00	-8.15	14.71	3	Vertical	226	2.01	-	27.34	3.80	-
PK	2.4314G	127.82	Inf	-Inf	96.54	3	Vertical	226	2.01	-	27.46	3.82	-
AV	2.431G	117.62	Inf	-Inf	86.34	3	Vertical	226	2.01	-	27.46	3.82	-
PK	2.4958G	56.14	74.00	-17.86	24.52	3	Vertical	226	2.01	-	27.77	3.85	-
AV	2.4902G	46.05	54.00	-7.95	14.46	3	Vertical	226	2.01	-	27.74	3.85	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX

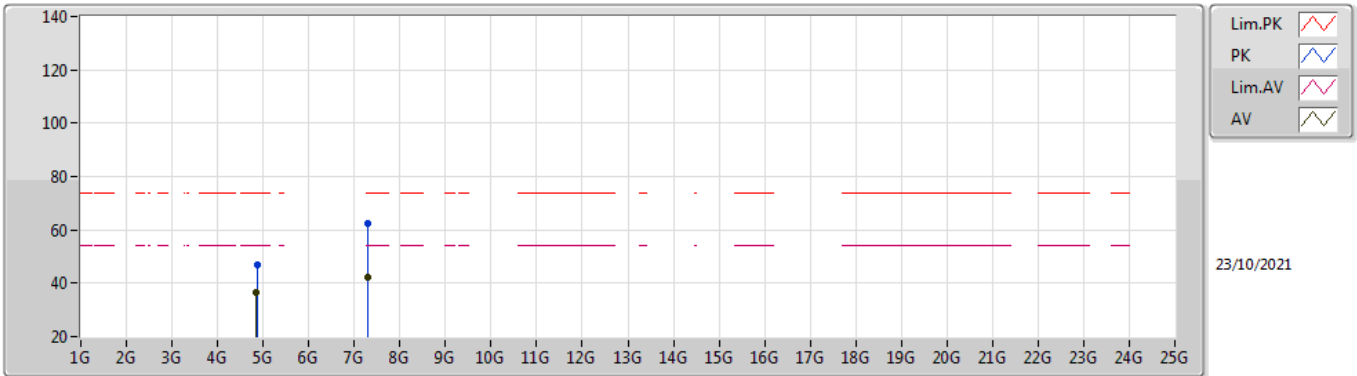


EUT_Y_4TX
Setting 25.5
01-A-S-8

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	2.3514G	56.90	74.00	-17.10	25.80	3	Horizontal	84	1.80	-	27.30	3.80	-
AV	2.3722G	45.67	54.00	-8.33	14.53	3	Horizontal	84	1.80	-	27.34	3.80	-
PK	2.429G	122.62	Inf	-Inf	91.35	3	Horizontal	84	1.80	-	27.46	3.81	-
AV	2.4282G	113.06	Inf	-Inf	81.79	3	Horizontal	84	1.80	-	27.46	3.81	-
PK	2.4858G	56.14	74.00	-17.86	24.59	3	Horizontal	84	1.80	-	27.71	3.84	-
AV	2.4842G	45.86	54.00	-8.14	14.31	3	Horizontal	84	1.80	-	27.71	3.84	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX

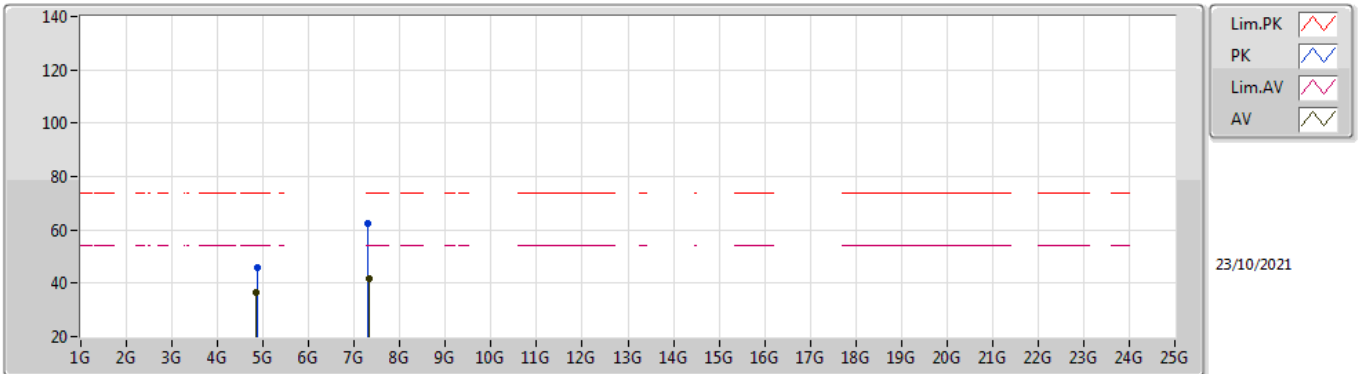


EUT Y_4TX
Setting 25.5
01-A-S-8

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	4.8808G	46.73	74.00	-27.27	40.95	3	Vertical	87	2.82	-	32.46	6.30	32.98
AV	4.8438G	36.80	54.00	-17.20	31.12	3	Vertical	87	2.82	-	32.36	6.30	32.98
PK	7.3G	62.61	74.00	-11.39	51.29	3	Vertical	298	1.70	-	37.10	7.30	33.08
AV	7.2982G	42.07	54.00	-11.93	30.75	3	Vertical	298	1.70	-	37.10	7.30	33.08

802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX

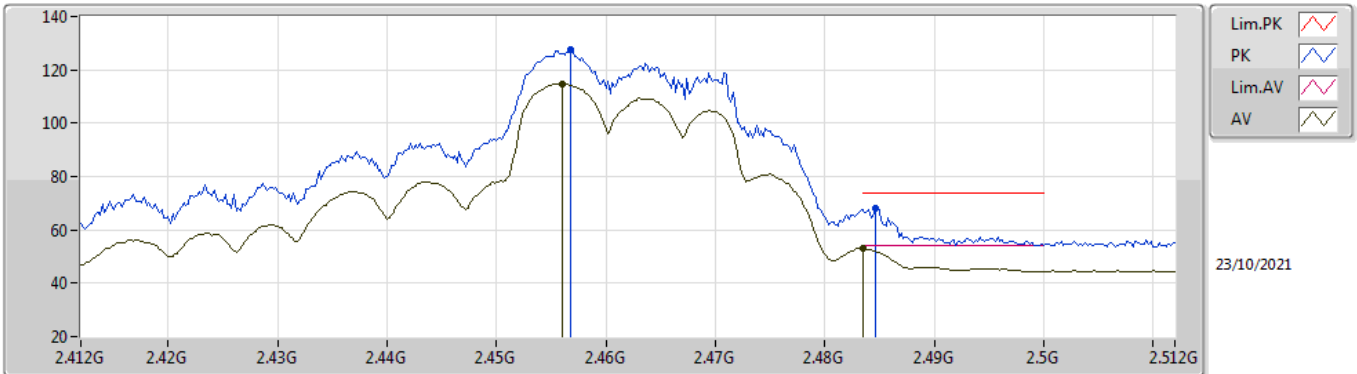


EUT Y_4TX
Setting 25.5
01-A-S-8

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	4.8686G	45.91	74.00	-28.09	40.15	3	Horizontal	315	1.16	-	32.44	6.30	32.98
AV	4.8434G	36.53	54.00	-17.47	30.85	3	Horizontal	315	1.16	-	32.36	6.30	32.98
PK	7.3096G	62.40	74.00	-11.60	51.03	3	Horizontal	121	1.29	-	37.14	7.31	33.08
AV	7.3306G	41.98	54.00	-12.02	30.50	3	Horizontal	121	1.29	-	37.22	7.33	33.07

802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz_TX

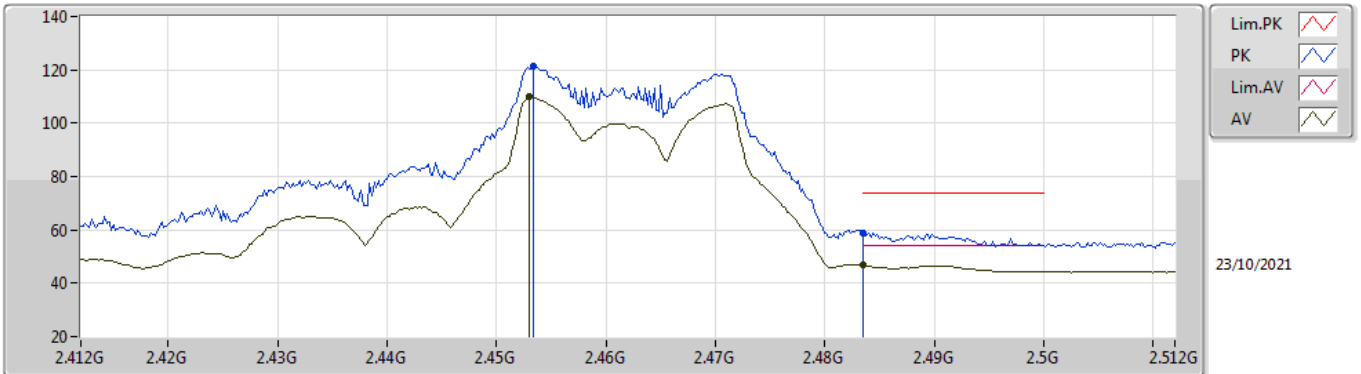


EUT Y_4TX
Setting 24
01-A-S-8

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	2.4568G	127.77	Inf	-Inf	96.40	3	Vertical	229	1.80	-	27.54	3.83	-
AV	2.456G	114.76	Inf	-Inf	83.39	3	Vertical	229	1.80	-	27.54	3.83	-
PK	2.4846G	67.93	74.00	-6.07	36.38	3	Vertical	229	1.80	-	27.71	3.84	-
AV	2.4835G	53.06	54.00	-0.94	21.52	3	Vertical	229	1.80	-	27.70	3.84	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz_TX

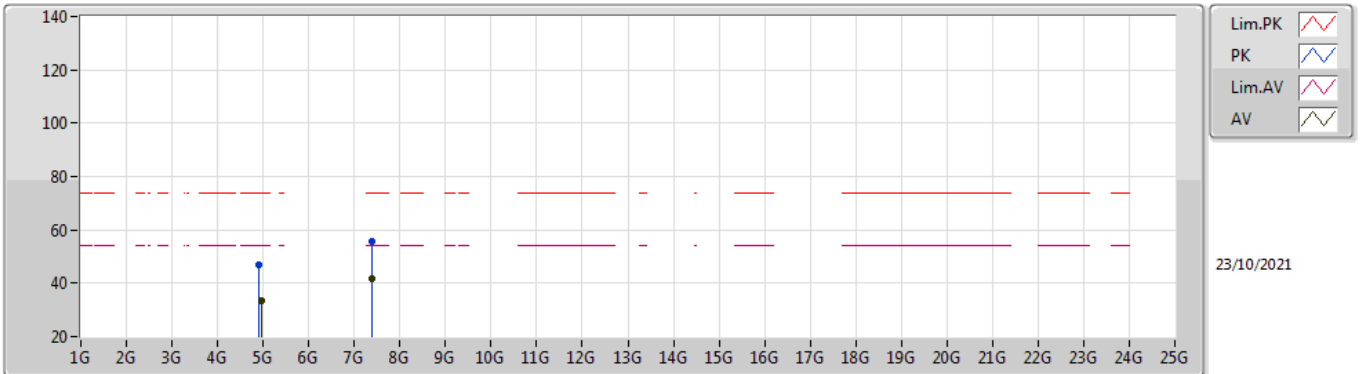


EUT_Y_4TX
Setting 24
01-A-S-8

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	2.4534G	121.36	Inf	-Inf	90.01	3	Horizontal	85	1.74	-	27.52	3.83	-
AV	2.453G	109.97	Inf	-Inf	78.62	3	Horizontal	85	1.74	-	27.52	3.83	-
PK	2.4835G	59.04	74.00	-14.96	27.50	3	Horizontal	85	1.74	-	27.70	3.84	-
AV	2.4835G	46.75	54.00	-7.25	15.21	3	Horizontal	85	1.74	-	27.70	3.84	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz_TX

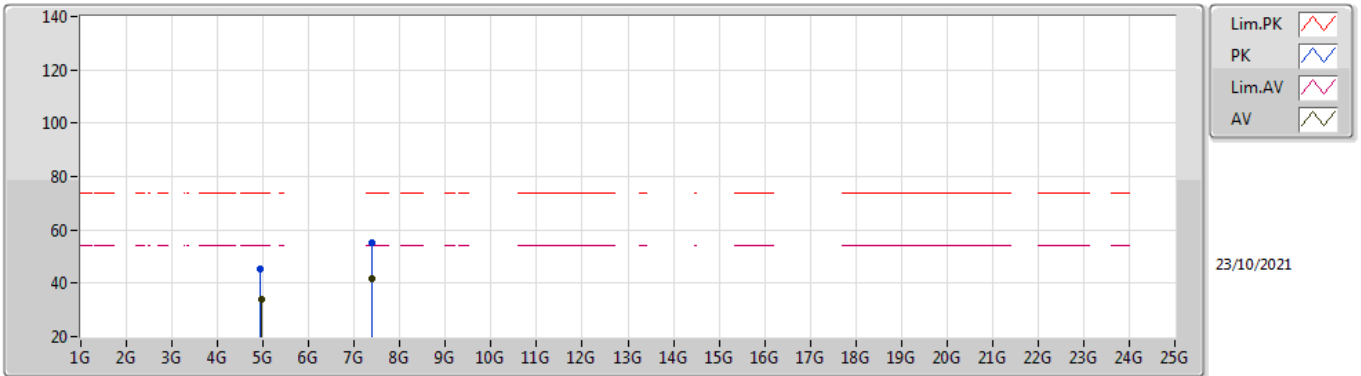


EUT Y_4TX
Setting 24
01-A-S-8

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	4.9156G	46.67	74.00	-27.33	40.75	3	Vertical	211	2.42	-	32.59	6.30	32.97
AV	4.9738G	33.59	54.00	-20.41	27.50	3	Vertical	211	2.42	-	32.75	6.30	32.96
PK	7.384G	55.86	74.00	-18.14	44.23	3	Vertical	106	1.80	-	37.30	7.38	33.05
AV	7.3912G	41.53	54.00	-12.47	29.89	3	Vertical	106	1.80	-	37.30	7.39	33.05

802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz_TX

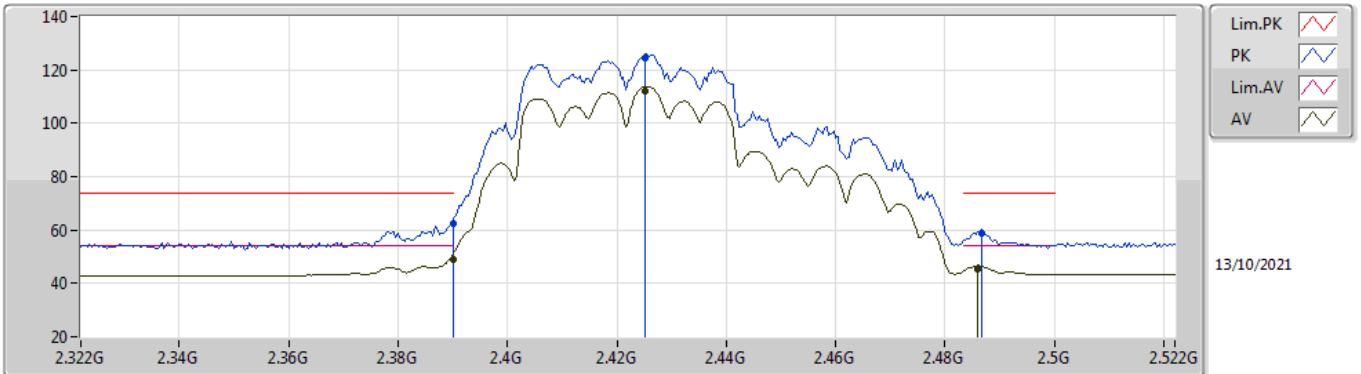


EUT Y_4TX
Setting 24
01-A-S-8

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	4.9332G	45.49	74.00	-28.51	39.46	3	Horizontal	268	2.39	-	32.70	6.30	32.97
AV	4.97G	33.79	54.00	-20.21	27.69	3	Horizontal	268	2.39	-	32.76	6.30	32.96
PK	7.3946G	55.22	74.00	-18.78	43.58	3	Horizontal	353	1.49	-	37.30	7.39	33.05
AV	7.3866G	41.55	54.00	-12.45	29.91	3	Horizontal	353	1.49	-	37.30	7.39	33.05

802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz_TX

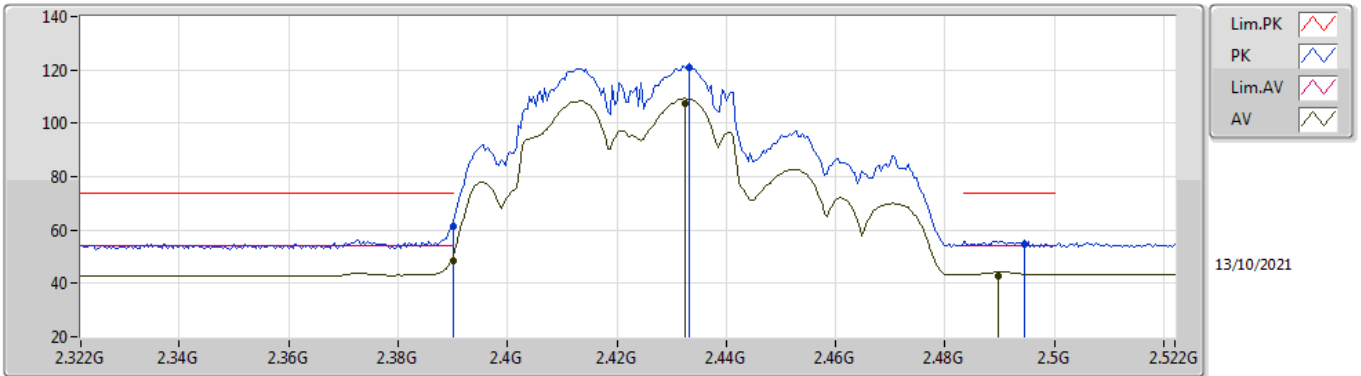


EUT Y_4TX
Setting 26
01-A-B-4
K88 PA In

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	62.62	74.00	-11.38	31.44	3	Vertical	252	1.79	-	27.38	3.80	-
AV	2.39G	49.19	54.00	-4.81	18.01	3	Vertical	252	1.79	-	27.38	3.80	-
PK	2.4252G	124.24	Inf	-Inf	92.98	3	Vertical	252	1.79	-	27.45	3.81	-
AV	2.4252G	111.98	Inf	-Inf	80.72	3	Vertical	252	1.79	-	27.45	3.81	-
PK	2.4868G	58.55	74.00	-15.45	26.99	3	Vertical	252	1.79	-	27.72	3.84	-
AV	2.486G	45.11	54.00	-8.89	13.55	3	Vertical	252	1.79	-	27.72	3.84	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz_TX

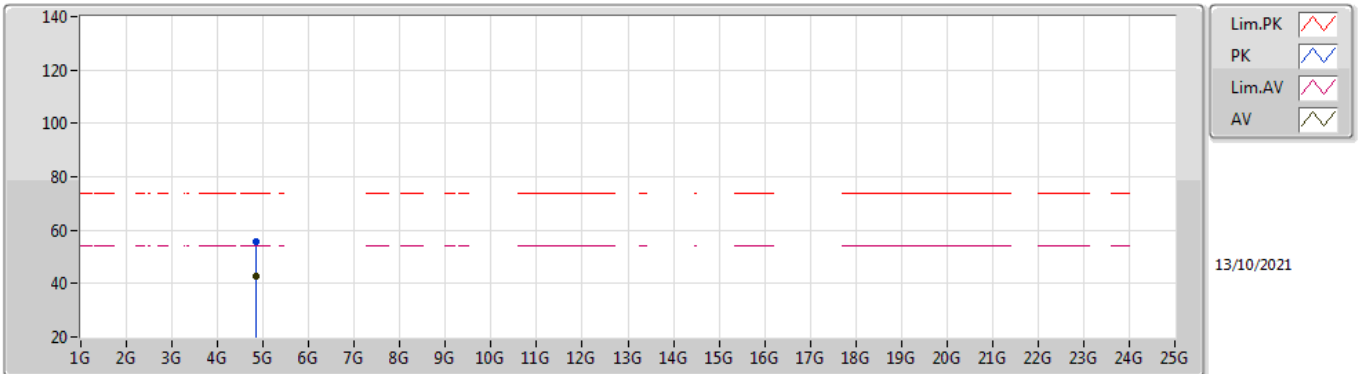


EUT Y_4TX
Setting 26
01-A-B-4
K88 PA In

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	61.19	74.00	-12.81	30.01	3	Horizontal	87	1.64	-	27.38	3.80	-
AV	2.39G	48.30	54.00	-5.70	17.12	3	Horizontal	87	1.64	-	27.38	3.80	-
PK	2.4332G	120.63	Inf	-Inf	89.34	3	Horizontal	87	1.64	-	27.47	3.82	-
AV	2.4324G	107.65	Inf	-Inf	76.37	3	Horizontal	87	1.64	-	27.46	3.82	-
PK	2.4944G	54.68	74.00	-19.32	23.06	3	Horizontal	87	1.64	-	27.77	3.85	-
AV	2.4896G	42.61	54.00	-11.39	11.03	3	Horizontal	87	1.64	-	27.74	3.84	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz_TX

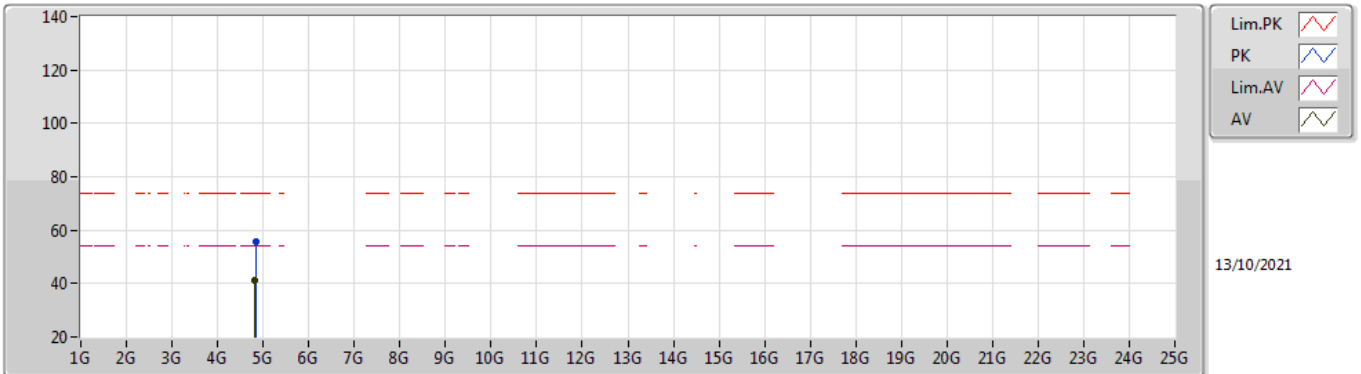


EUT Y_4TX
Setting 26
01-A-B-4
K88 PA In

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	4.83712G	55.73	74.00	-18.27	50.09	3	Vertical	60	1.69	-	32.32	6.30	32.98
AV	4.83856G	42.61	54.00	-11.39	36.96	3	Vertical	60	1.69	-	32.33	6.30	32.98

802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz_TX

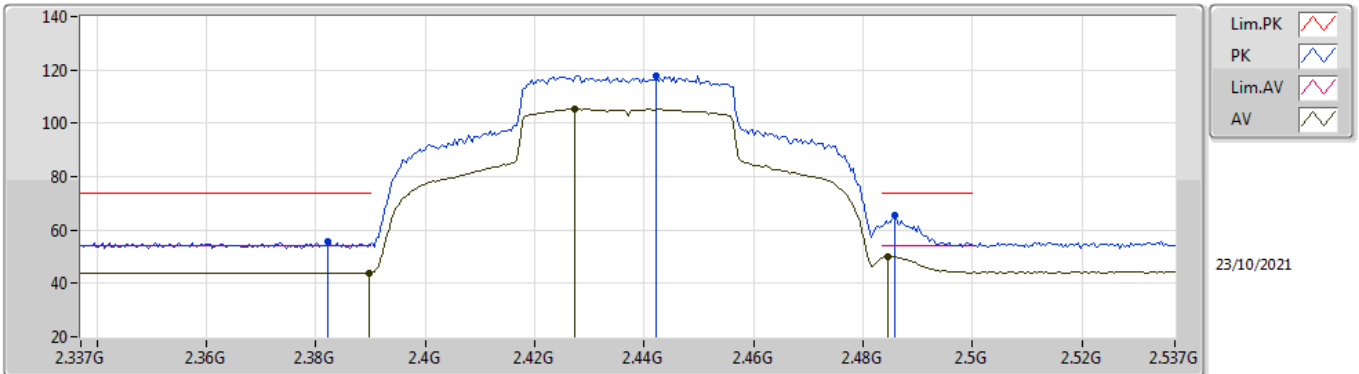


EUT Y_4TX
Setting 26
01-A-B-4
K88 PA In

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	4.84528G	55.75	74.00	-18.25	50.06	3	Horizontal	80	1.80	-	32.37	6.30	32.98
AV	4.82464G	41.21	54.00	-12.79	35.64	3	Horizontal	80	1.80	-	32.25	6.30	32.98

802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz_TX

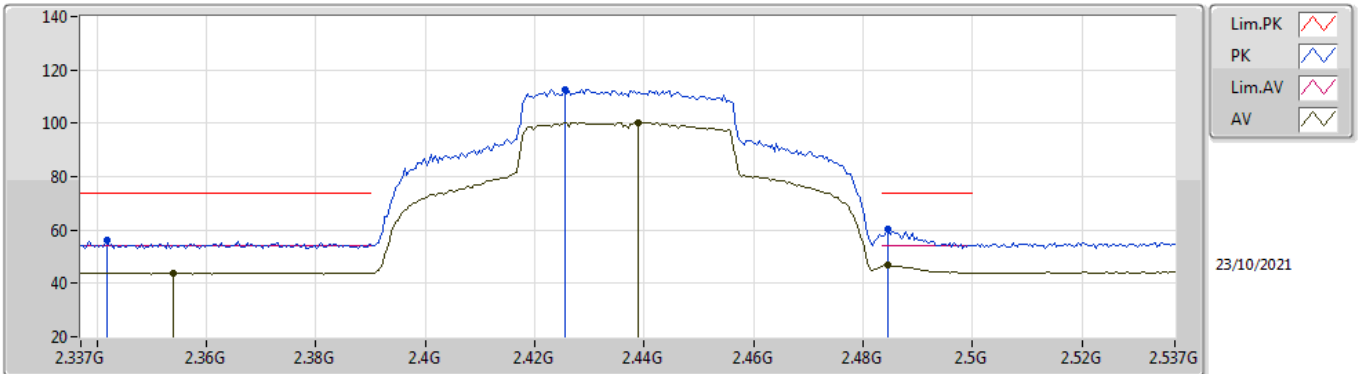


EUT_Y_4TX
Setting 26
01-A-S-8

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	2.3822G	55.56	74.00	-18.44	24.40	3	Vertical	261	1.89	-	27.36	3.80	-
AV	2.3898G	43.96	54.00	-10.04	12.78	3	Vertical	261	1.89	-	27.38	3.80	-
PK	2.4422G	118.00	Inf	-Inf	86.70	3	Vertical	261	1.89	-	27.48	3.82	-
AV	2.4274G	105.40	Inf	-Inf	74.14	3	Vertical	261	1.89	-	27.45	3.81	-
PK	2.4858G	65.49	74.00	-8.51	33.94	3	Vertical	261	1.89	-	27.71	3.84	-
AV	2.4846G	50.14	54.00	-3.86	18.59	3	Vertical	261	1.89	-	27.71	3.84	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz_TX

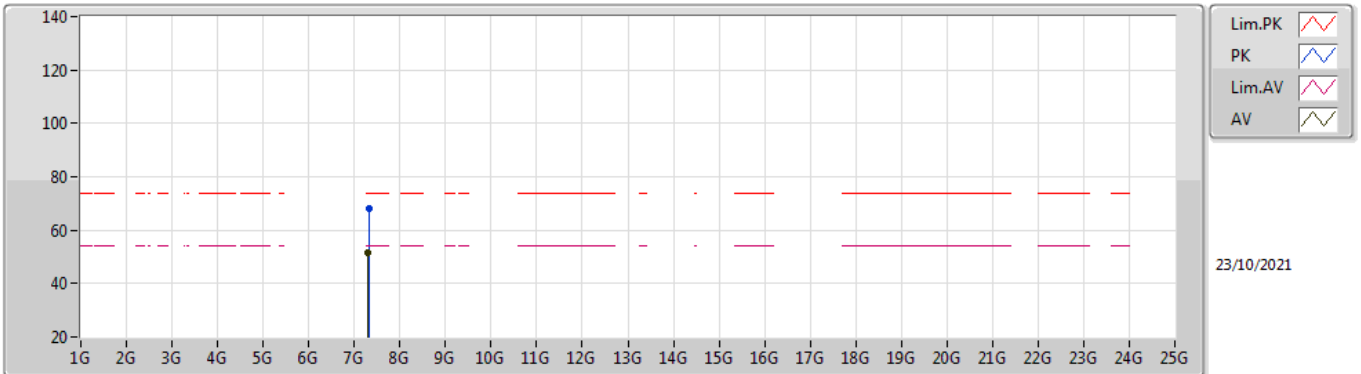


EUT_Y_4TX
Setting 26
01-A-S-8

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	2.3418G	56.02	74.00	-17.98	24.92	3	Horizontal	94	1.50	-	27.30	3.80	-
AV	2.3538G	43.85	54.00	-10.15	12.74	3	Horizontal	94	1.50	-	27.31	3.80	-
PK	2.4254G	112.76	Inf	-Inf	81.50	3	Horizontal	94	1.50	-	27.45	3.81	-
AV	2.439G	100.20	Inf	-Inf	68.90	3	Horizontal	94	1.50	-	27.48	3.82	-
PK	2.4846G	60.40	74.00	-13.60	28.85	3	Horizontal	94	1.50	-	27.71	3.84	-
AV	2.4846G	46.73	54.00	-7.27	15.18	3	Horizontal	94	1.50	-	27.71	3.84	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz_TX

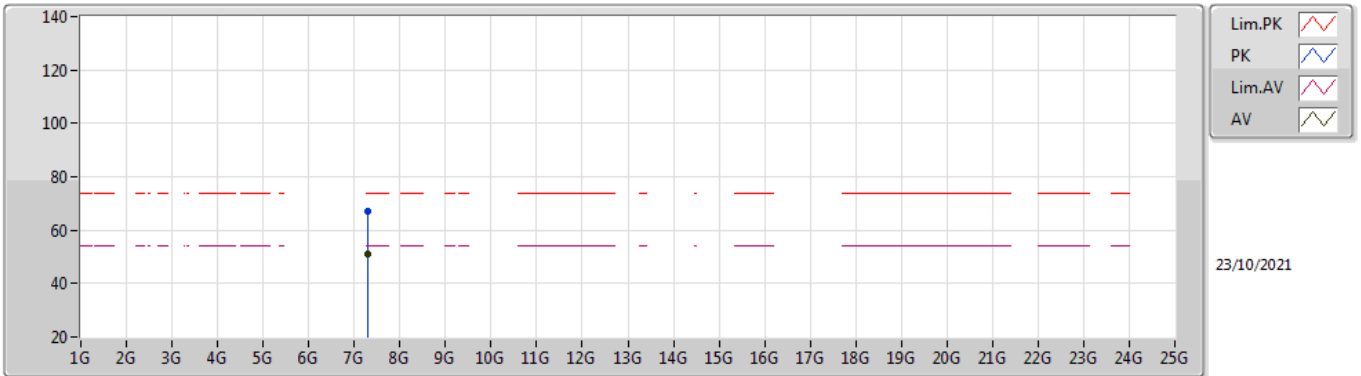


EUT Y_4TX
Setting 26
01-A-S-8

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	7.3226G	68.26	74.00	-5.74	56.82	3	Vertical	258	2.65	-	37.19	7.32	33.07	
AV	7.3074G	51.77	54.00	-2.23	40.41	3	Vertical	258	2.65	-	37.13	7.31	33.08	

802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz_TX

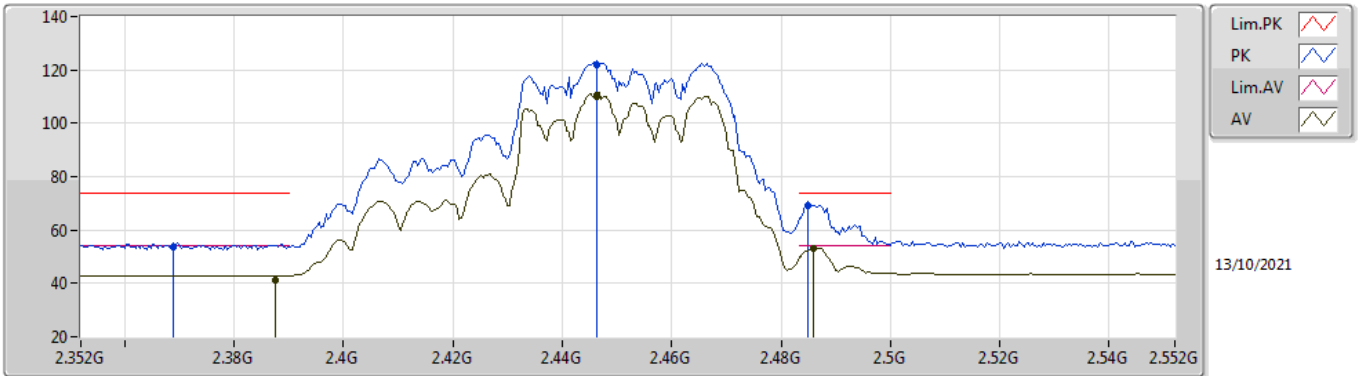


EUT Y_4TX
Setting 26
01-A-S-8

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	7.2986G	66.99	74.00	-7.01	55.67	3	Horizontal	281	1.38	-	37.10	7.30	33.08
AV	7.3042G	50.93	54.00	-3.07	39.59	3	Horizontal	281	1.38	-	37.12	7.30	33.08

802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz_TX

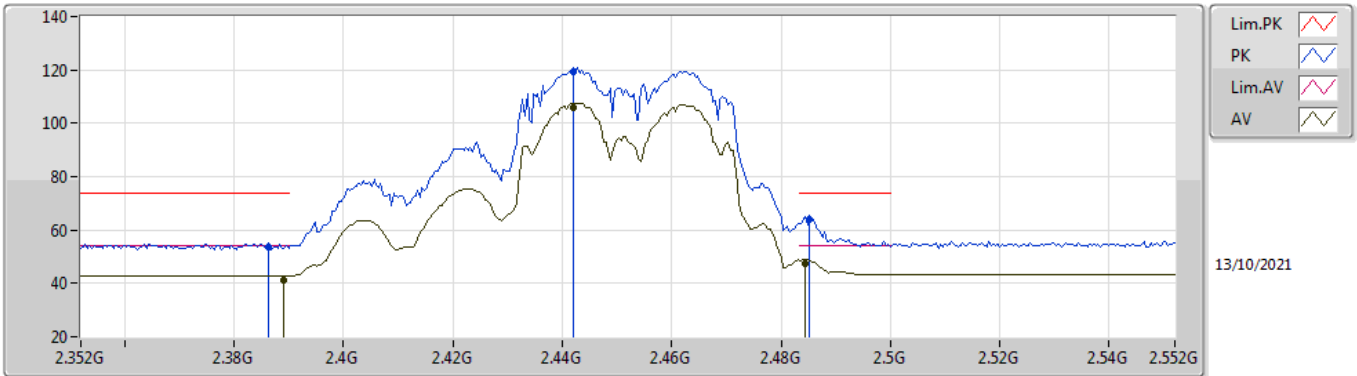


EUT Y_4TX
Setting 23
01-A-B-4
K88 PA In

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	2.3688G	53.51	74.00	-20.49	22.37	3	Vertical	225	1.80	-	27.34	3.80	-
AV	2.3876G	41.27	54.00	-12.73	10.09	3	Vertical	225	1.80	-	27.38	3.80	-
PK	2.4464G	121.99	Inf	-Inf	90.68	3	Vertical	225	1.80	-	27.49	3.82	-
AV	2.4464G	110.00	Inf	-Inf	78.69	3	Vertical	225	1.80	-	27.49	3.82	-
PK	2.4848G	69.26	74.00	-4.74	37.71	3	Vertical	225	1.80	-	27.71	3.84	-
AV	2.486G	53.03	54.00	-0.97	21.47	3	Vertical	225	1.80	-	27.72	3.84	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz_TX

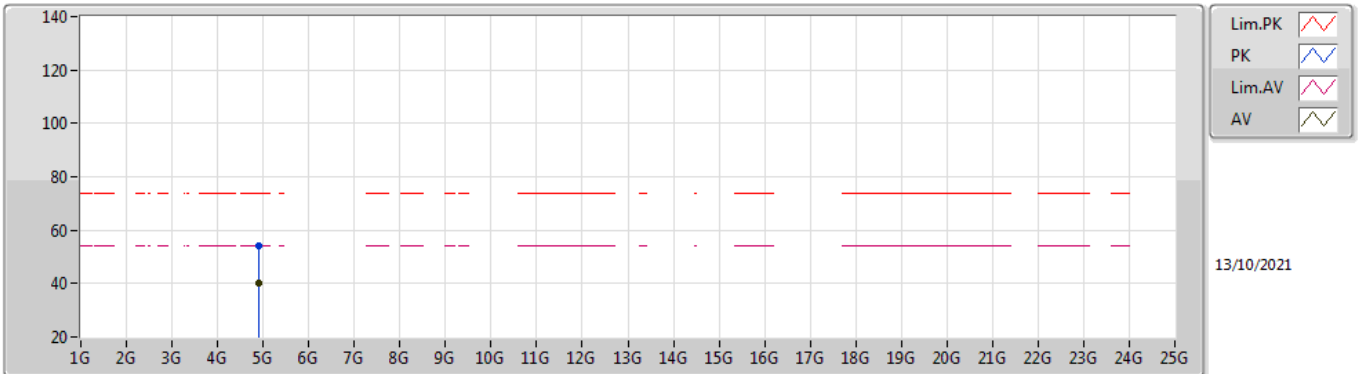


EUT Y_4TX
Setting 23
01-A-B-4
K88 PA In

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	2.3864G	53.45	74.00	-20.55	22.28	3	Horizontal	86	1.17	-	27.37	3.80	-
AV	2.3892G	41.20	54.00	-12.80	10.02	3	Horizontal	86	1.17	-	27.38	3.80	-
PK	2.442G	119.27	Inf	-Inf	87.97	3	Horizontal	86	1.17	-	27.48	3.82	-
AV	2.442G	106.00	Inf	-Inf	74.70	3	Horizontal	86	1.17	-	27.48	3.82	-
PK	2.4852G	63.78	74.00	-10.22	32.23	3	Horizontal	86	1.17	-	27.71	3.84	-
AV	2.4844G	47.37	54.00	-6.63	15.82	3	Horizontal	86	1.17	-	27.71	3.84	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz_TX

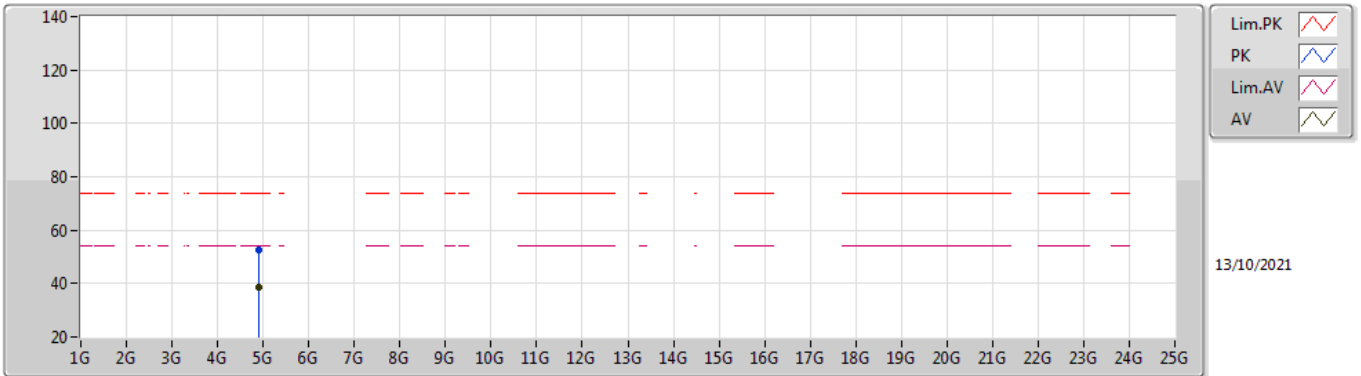


EUT Y_4TX
Setting 23
01-A-B-4
K88 PA In

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	4.90104G	54.25	74.00	-19.75	48.41	3	Vertical	57	1.48	-	32.51	6.30	32.97
AV	4.89936G	40.30	54.00	-13.70	34.47	3	Vertical	57	1.48	-	32.50	6.30	32.97

802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz_TX



EUT Y_4TX
Setting 23
01-A-B-4
K88 PA In

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	4.9072G	52.45	74.00	-21.55	46.58	3	Horizontal	82	1.50	-	32.54	6.30	32.97
AV	4.90816G	38.68	54.00	-15.32	32.80	3	Horizontal	82	1.50	-	32.55	6.30	32.97

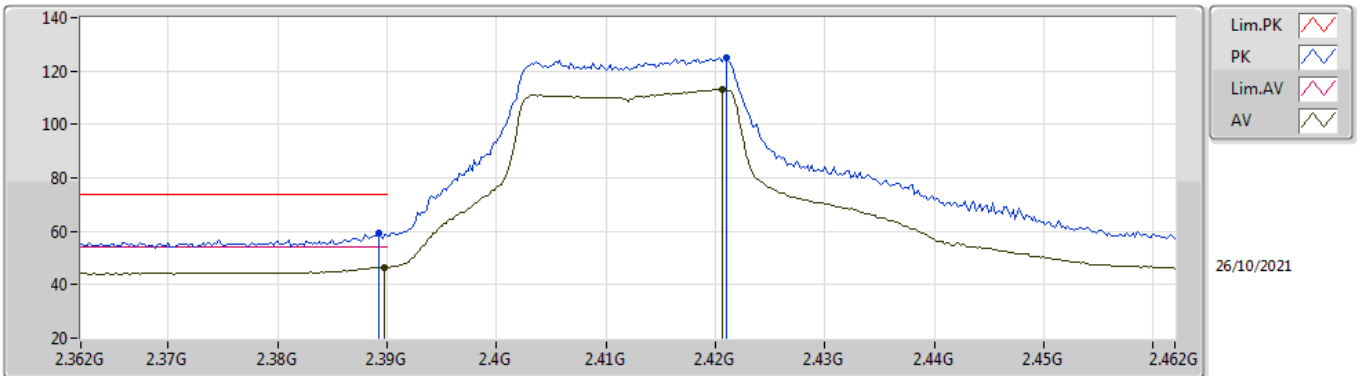


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	Pass	AV	4.82396G	53.91	54.00	-0.09	3	Horizontal	74	1.79	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2412MHz_TX

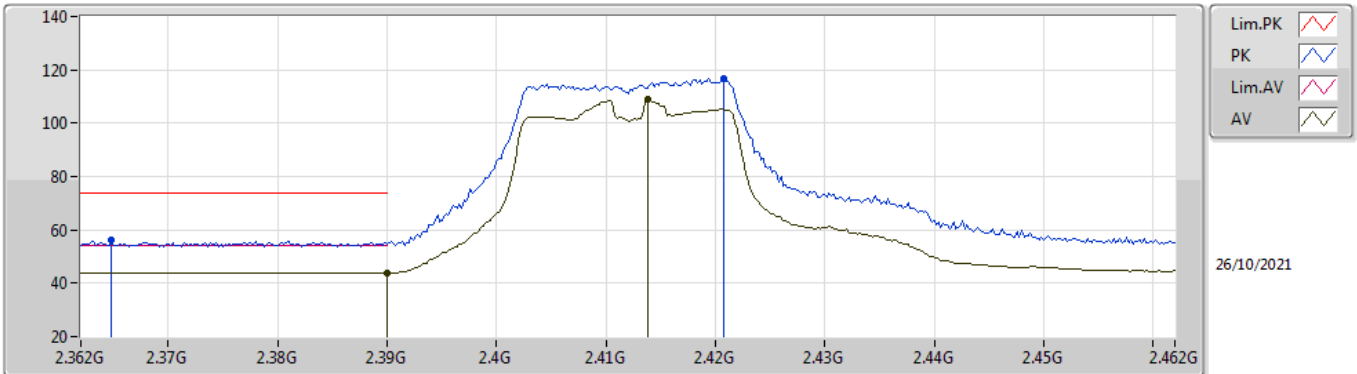


EUT Y_4TX
Setting 28
01-D-B-4

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	59.08	74.00	-14.92	27.90	3	Vertical	236	1.36	-	27.38	3.80	-
AV	2.3898G	46.56	54.00	-7.44	15.38	3	Vertical	236	1.36	-	27.38	3.80	-
PK	2.421G	124.89	Inf	-Inf	93.64	3	Vertical	236	1.36	-	27.44	3.81	-
AV	2.4206G	113.13	Inf	-Inf	81.88	3	Vertical	236	1.36	-	27.44	3.81	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2412MHz_TX

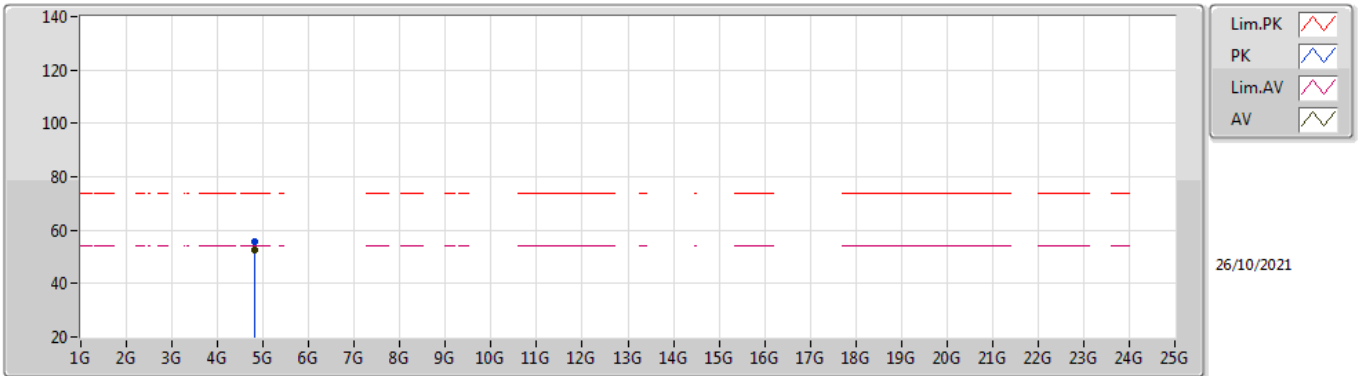


EUT_Y_4TX
Setting 28
01-D-B-4

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	2.3648G	56.03	74.00	-17.97	24.90	3	Horizontal	55	1.95	-	27.33	3.80	-
AV	2.39G	44.05	54.00	-9.95	12.87	3	Horizontal	55	1.95	-	27.38	3.80	-
PK	2.4208G	116.60	Inf	-Inf	85.35	3	Horizontal	55	1.95	-	27.44	3.81	-
AV	2.4138G	108.71	Inf	-Inf	77.47	3	Horizontal	55	1.95	-	27.43	3.81	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2412MHz_TX

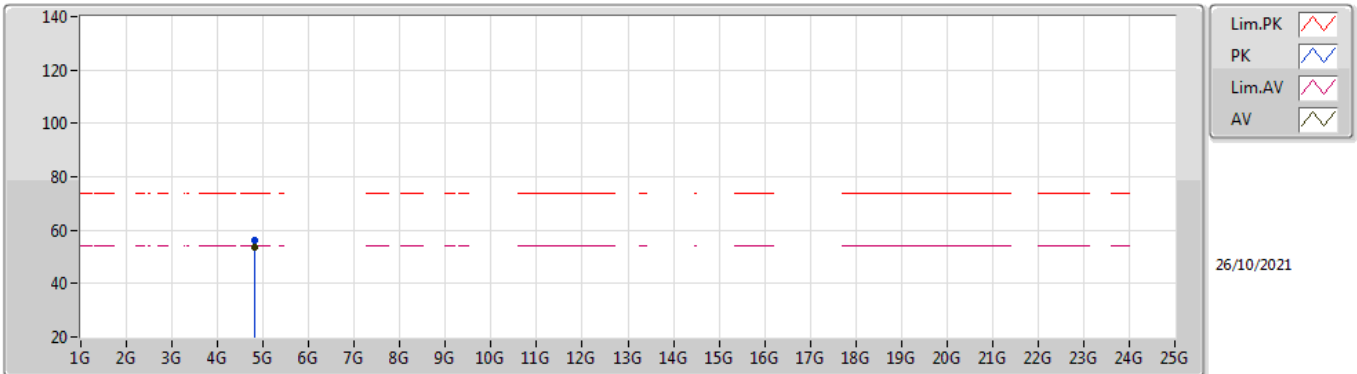


EUT Y_4TX
Setting 28
01-D-B-4

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	4.824G	55.49	74.00	-18.51	49.93	3	Vertical	290	1.80	-	32.24	6.30	32.98
AV	4.824G	52.71	54.00	-1.29	47.15	3	Vertical	290	1.80	-	32.24	6.30	32.98

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2412MHz_TX

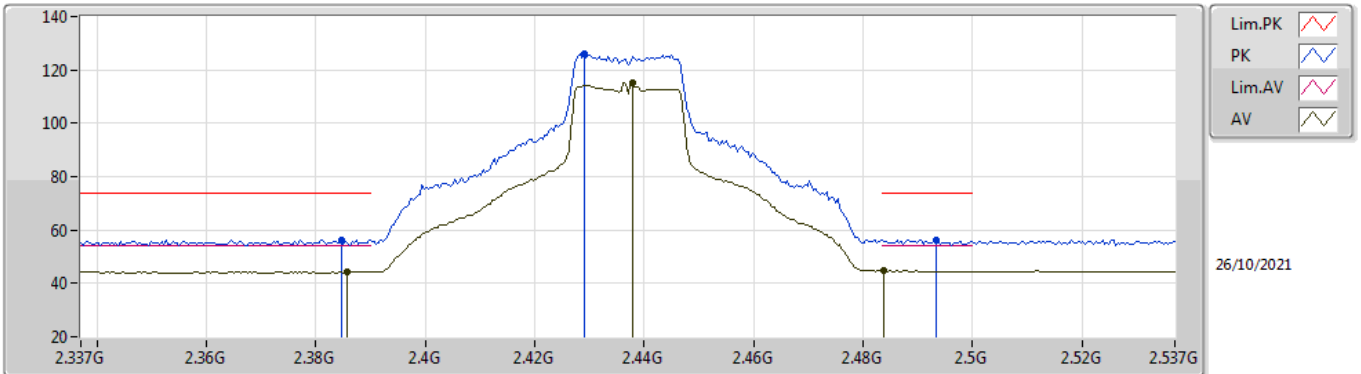


EUT Y_4TX
Setting 28
01-D-B-4

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	4.824G	56.11	74.00	-17.89	50.55	3	Horizontal	82	1.80	-	32.24	6.30	32.98	
AV	4.824G	53.45	54.00	-0.55	47.89	3	Horizontal	82	1.80	-	32.24	6.30	32.98	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2437MHz_TX

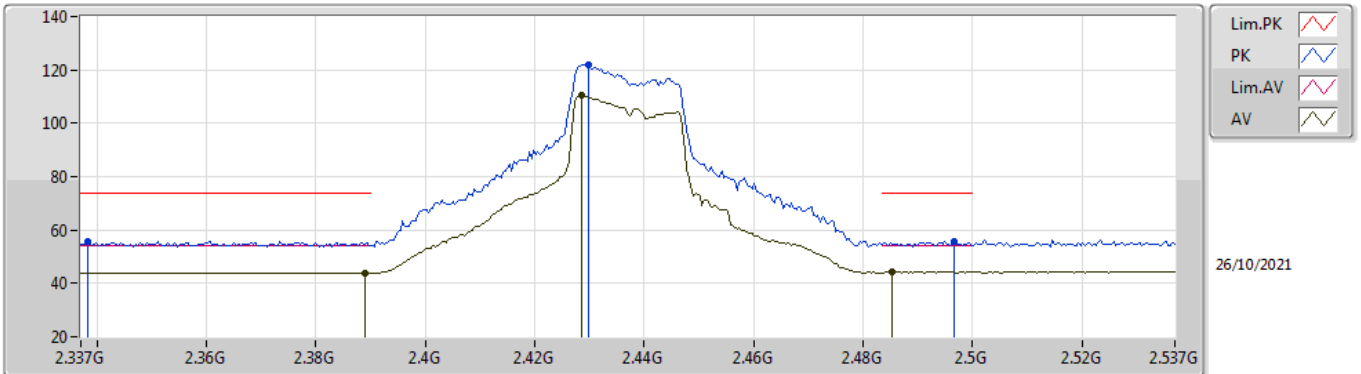


EUT_Y_4TX
Setting 29
01-D-B-4

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	56.26	74.00	-17.74	25.09	3	Vertical	294	1.00	-	27.37	3.80	-
AV	2.3858G	44.34	54.00	-9.66	13.17	3	Vertical	294	1.00	-	27.37	3.80	-
PK	2.429G	126.27	Inf	-Inf	95.00	3	Vertical	294	1.00	-	27.46	3.81	-
AV	2.4378G	114.95	Inf	-Inf	83.65	3	Vertical	294	1.00	-	27.48	3.82	-
PK	2.4934G	56.42	74.00	-17.58	24.81	3	Vertical	294	1.00	-	27.76	3.85	-
AV	2.4838G	44.73	54.00	-9.27	13.19	3	Vertical	294	1.00	-	27.70	3.84	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2437MHz_TX

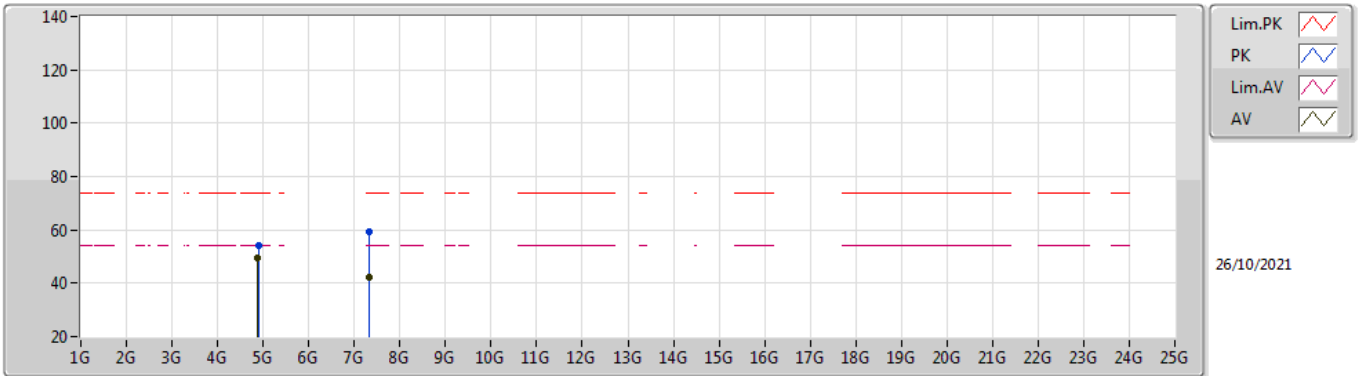


EUT_Y_4TX
Setting 29
01-D-B-4

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	2.3382G	55.75	74.00	-18.25	24.65	3	Horizontal	87	1.08	-	27.30	3.80	-
AV	2.389G	44.00	54.00	-10.00	12.82	3	Horizontal	87	1.08	-	27.38	3.80	-
PK	2.4298G	121.98	Inf	-Inf	90.71	3	Horizontal	87	1.08	-	27.46	3.81	-
AV	2.4286G	110.39	Inf	-Inf	79.12	3	Horizontal	87	1.08	-	27.46	3.81	-
PK	2.4966G	55.59	74.00	-18.41	23.96	3	Horizontal	87	1.08	-	27.78	3.85	-
AV	2.4854G	44.27	54.00	-9.73	12.72	3	Horizontal	87	1.08	-	27.71	3.84	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2437MHz_TX

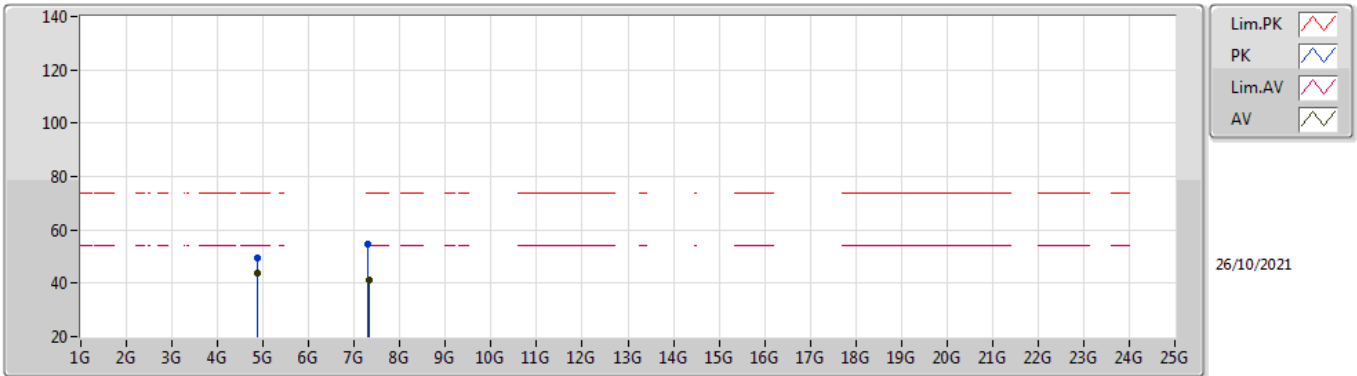


EUT Y_4TX
Setting 29
01-D-B-4

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	4.89088G	54.37	74.00	-19.63	48.57	3	Vertical	278	1.80	-	32.48	6.30	32.98
AV	4.874G	49.53	54.00	-4.47	43.76	3	Vertical	278	1.80	-	32.45	6.30	32.98
PK	7.32308G	59.25	74.00	-14.75	47.81	3	Vertical	101	1.55	-	37.19	7.32	33.07
AV	7.32492G	42.31	54.00	-11.69	30.86	3	Vertical	101	1.55	-	37.20	7.32	33.07

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2437MHz_TX

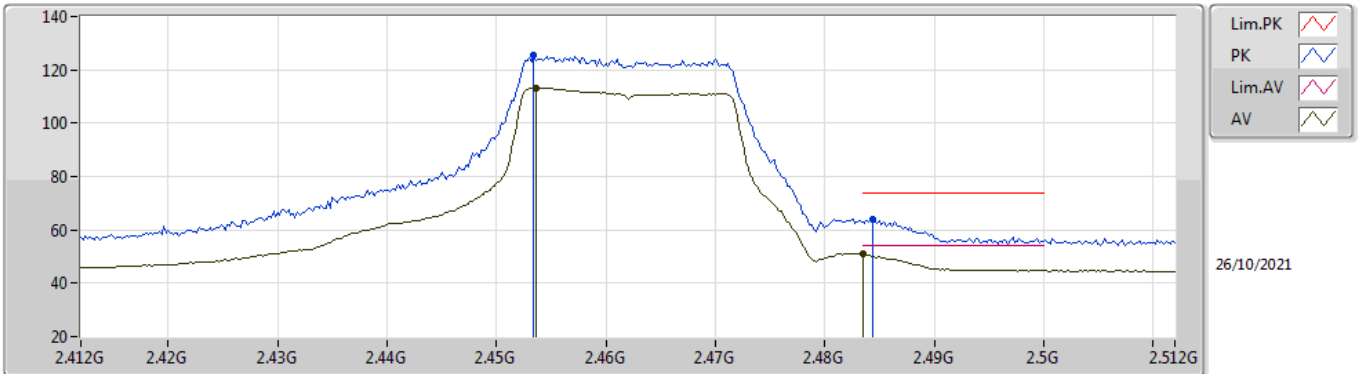


EUT_Y_4TX
Setting 29
01-D-B-4

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	4.87392G	49.42	74.00	-24.58	43.65	3	Horizontal	16	1.80	-	32.45	6.30	32.98
AV	4.874G	43.93	54.00	-10.07	38.16	3	Horizontal	16	1.80	-	32.45	6.30	32.98
PK	7.30724G	54.79	74.00	-19.21	43.43	3	Horizontal	94	2.06	-	37.13	7.31	33.08
AV	7.31436G	41.35	54.00	-12.65	29.96	3	Horizontal	94	2.06	-	37.16	7.31	33.08

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2462MHz_TX

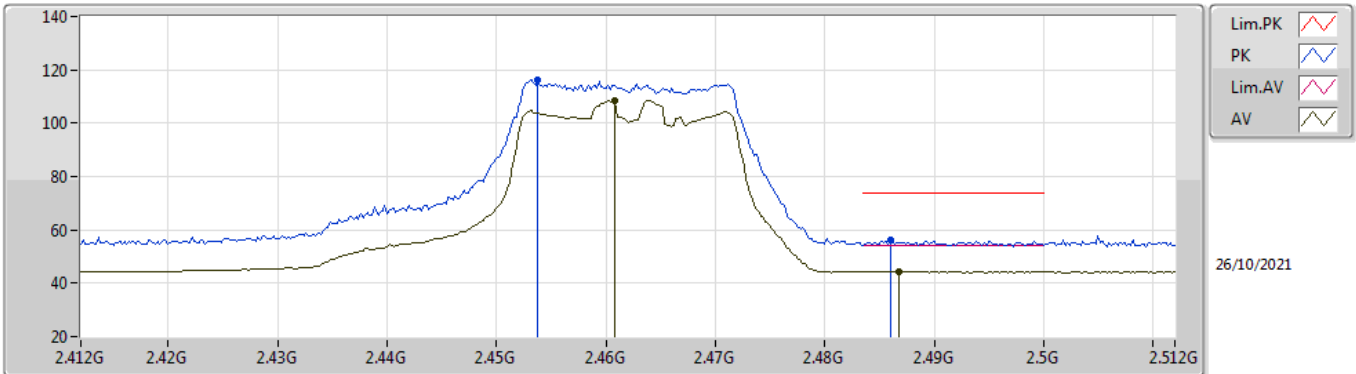


EUT_Y_4TX
Setting 26
01-D-B-4

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	2.4534G	125.37	Inf	-Inf	94.02	3	Vertical	250	1.80	-	27.52	3.83	-
AV	2.4536G	113.34	Inf	-Inf	81.99	3	Vertical	250	1.80	-	27.52	3.83	-
PK	2.4844G	64.18	74.00	-9.82	32.63	3	Vertical	250	1.80	-	27.71	3.84	-
AV	2.4835G	50.82	54.00	-3.18	19.28	3	Vertical	250	1.80	-	27.70	3.84	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2462MHz_TX

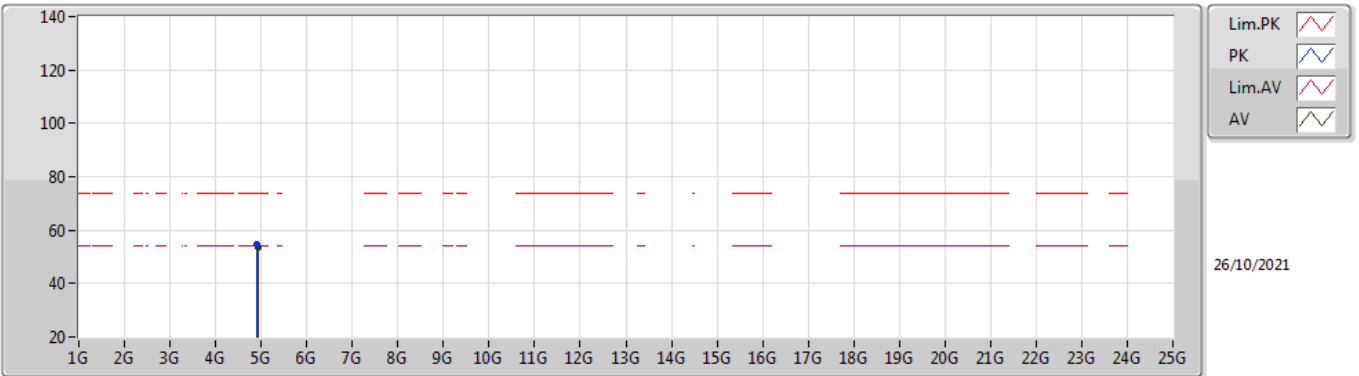


EUT_Y_4TX
Setting 26
01-D-B-4

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	2.4538G	116.16	Inf	-Inf	84.81	3	Horizontal	49	1.06	-	27.52	3.83	-
AV	2.4608G	108.67	Inf	-Inf	77.28	3	Horizontal	49	1.06	-	27.56	3.83	-
PK	2.486G	56.24	74.00	-17.76	24.68	3	Horizontal	49	1.06	-	27.72	3.84	-
AV	2.4868G	44.39	54.00	-9.61	12.83	3	Horizontal	49	1.06	-	27.72	3.84	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2462MHz_TX

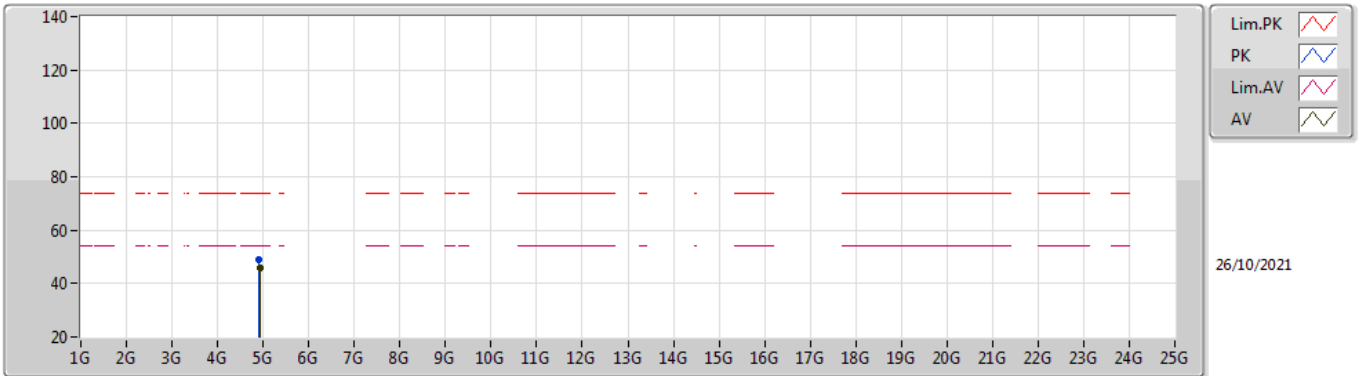


EUT Y_4TX
Setting 26
01-D-B-4

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	4.90816G	54.85	74.00	-19.15	48.97	3	Vertical	275	1.79	-	32.55	6.30	32.97
AV	4.924G	53.57	54.00	-0.43	47.60	3	Vertical	275	1.79	-	32.64	6.30	32.97

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2462MHz_TX

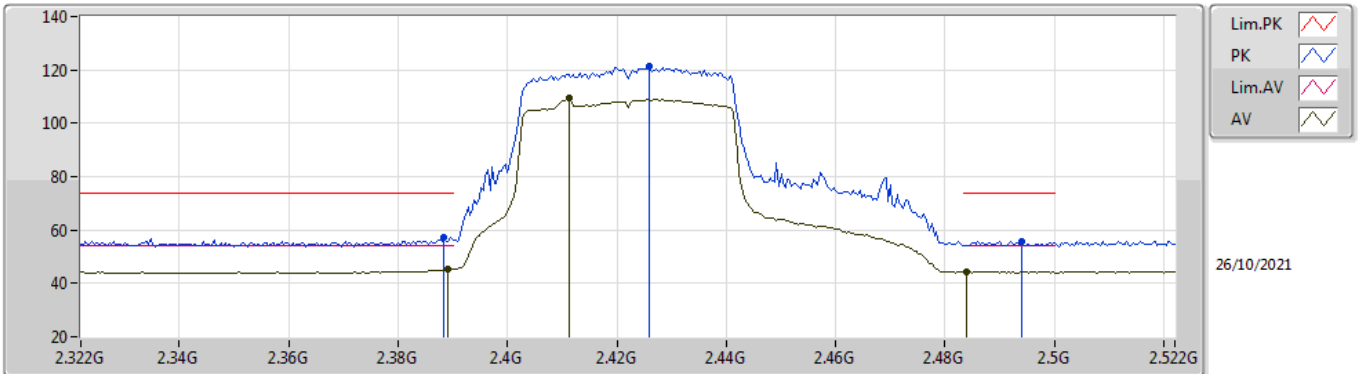


EUT Y_4TX
Setting 26
01-D-B-4

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	4.91456G	49.14	74.00	-24.86	43.22	3	Horizontal	45	1.80	-	32.59	6.30	32.97
AV	4.924G	46.05	54.00	-7.95	40.08	3	Horizontal	45	1.80	-	32.64	6.30	32.97

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2422MHz_TX

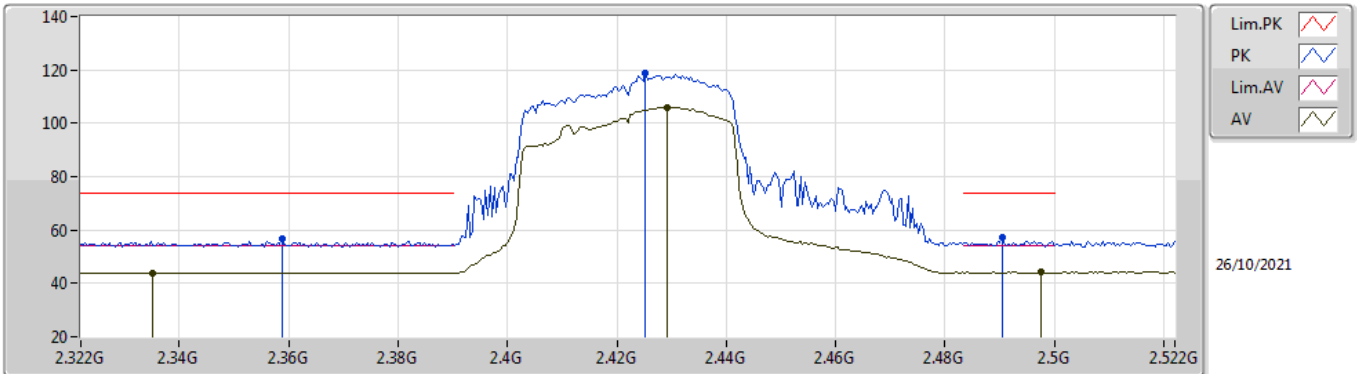


EUT_Y_4TX
Setting 27
01-D-B-4

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	2.3884G	57.18	74.00	-16.82	26.00	3	Vertical	300	1.05	-	27.38	3.80	-
AV	2.3892G	45.35	54.00	-8.65	14.17	3	Vertical	300	1.05	-	27.38	3.80	-
PK	2.426G	121.63	Inf	-Inf	90.37	3	Vertical	300	1.05	-	27.45	3.81	-
AV	2.4112G	109.66	Inf	-Inf	78.43	3	Vertical	300	1.05	-	27.42	3.81	-
PK	2.494G	55.70	74.00	-18.30	24.09	3	Vertical	300	1.05	-	27.76	3.85	-
AV	2.484G	44.29	54.00	-9.71	12.75	3	Vertical	300	1.05	-	27.70	3.84	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2422MHz_TX

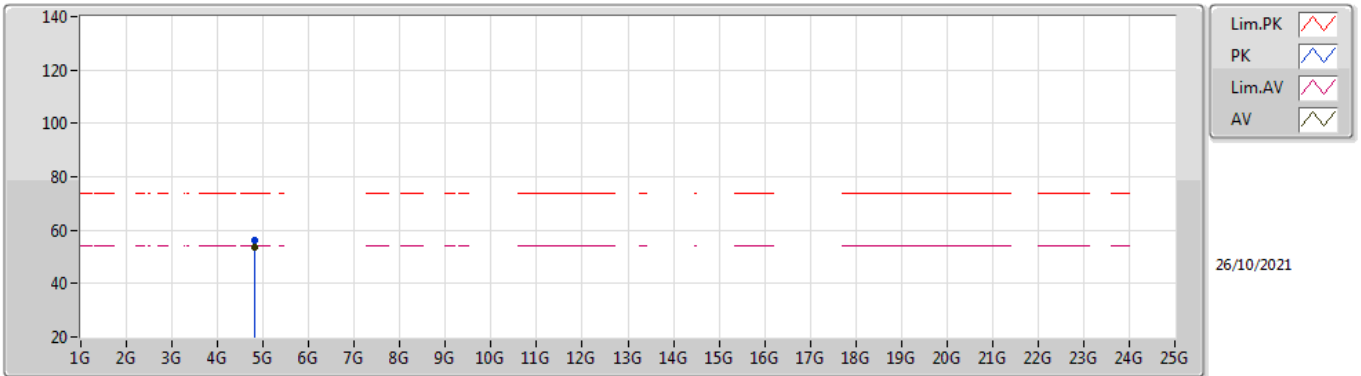


EUT Y_4TX
Setting 27
01-D-B-4

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	2.3588G	56.84	74.00	-17.16	25.72	3	Horizontal	89	1.14	-	27.32	3.80	-
AV	2.3352G	44.01	54.00	-9.99	12.91	3	Horizontal	89	1.14	-	27.30	3.80	-
PK	2.4252G	118.59	Inf	-Inf	87.33	3	Horizontal	89	1.14	-	27.45	3.81	-
AV	2.4292G	106.02	Inf	-Inf	74.75	3	Horizontal	89	1.14	-	27.46	3.81	-
PK	2.4904G	57.19	74.00	-16.81	25.60	3	Horizontal	89	1.14	-	27.74	3.85	-
AV	2.4976G	44.18	54.00	-9.82	12.54	3	Horizontal	89	1.14	-	27.79	3.85	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2422MHz_TX

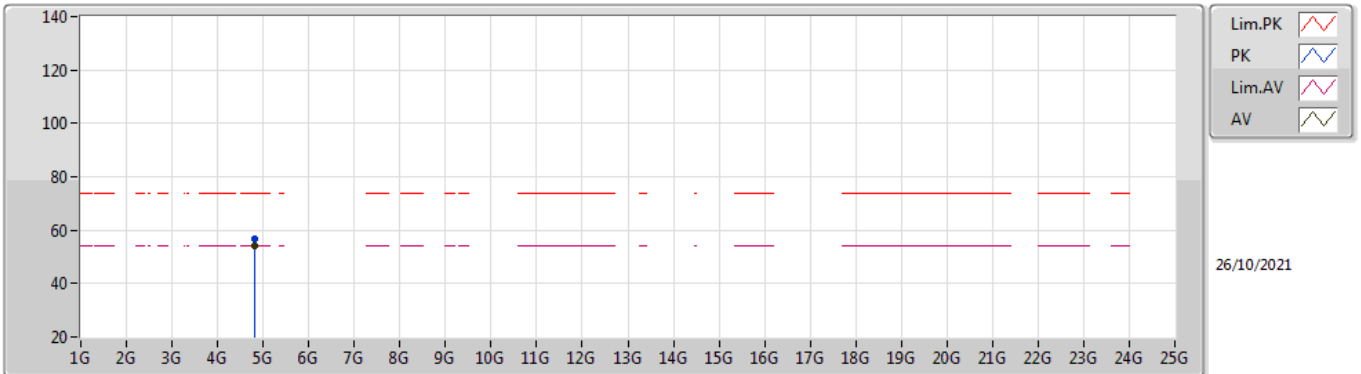


EUT Y_4TX
Setting 27
01-D-B-4

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	4.82396G	56.30	74.00	-17.70	50.74	3	Vertical	278	1.80	-	32.24	6.30	32.98
AV	4.82396G	53.84	54.00	-0.16	48.28	3	Vertical	278	1.80	-	32.24	6.30	32.98

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2422MHz_TX

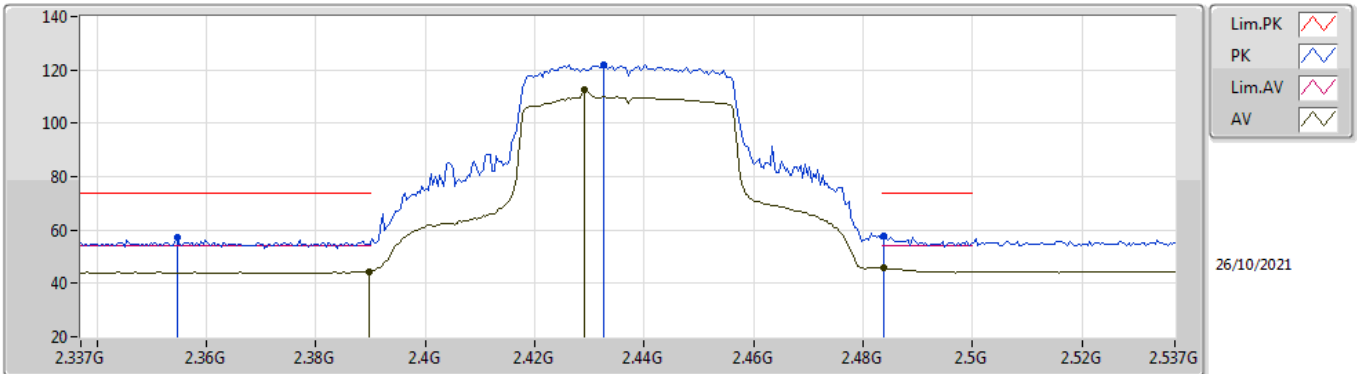


EUT Y_4TX
Setting 27
01-D-B-4

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	4.82384G	56.53	74.00	-17.47	50.97	3	Horizontal	74	1.79	-	32.24	6.30	32.98
AV	4.82396G	53.91	54.00	-0.09	48.35	3	Horizontal	74	1.79	-	32.24	6.30	32.98

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2437MHz_TX

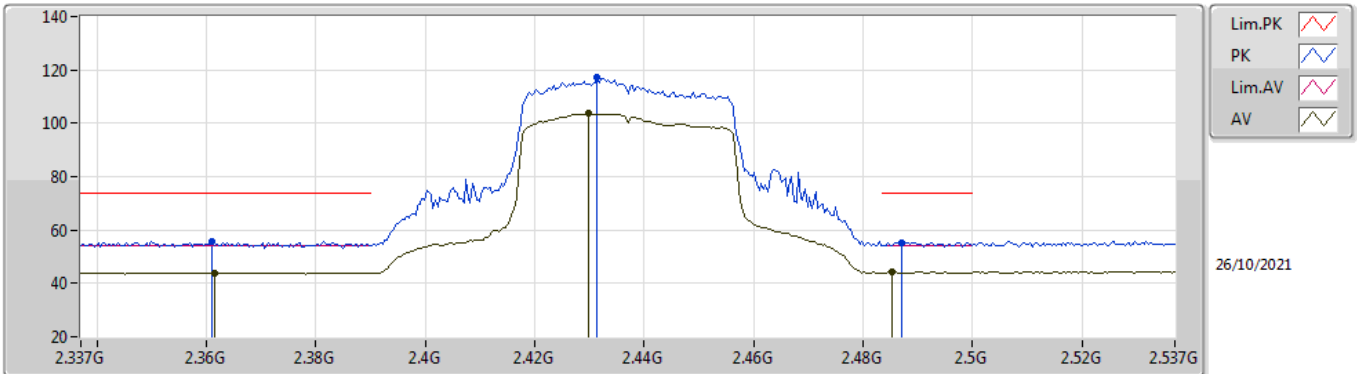


EUT_Y_4TX
Setting 27
01-D-B-4

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	2.3546G	57.48	74.00	-16.52	26.37	3	Vertical	287	2.03	-	27.31	3.80	-
AV	2.3898G	44.54	54.00	-9.46	13.36	3	Vertical	287	2.03	-	27.38	3.80	-
PK	2.4326G	122.05	Inf	-Inf	90.76	3	Vertical	287	2.03	-	27.47	3.82	-
AV	2.429G	112.42	Inf	-Inf	81.15	3	Vertical	287	2.03	-	27.46	3.81	-
PK	2.4838G	57.51	74.00	-16.49	25.97	3	Vertical	287	2.03	-	27.70	3.84	-
AV	2.4838G	45.83	54.00	-8.17	14.29	3	Vertical	287	2.03	-	27.70	3.84	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2437MHz_TX

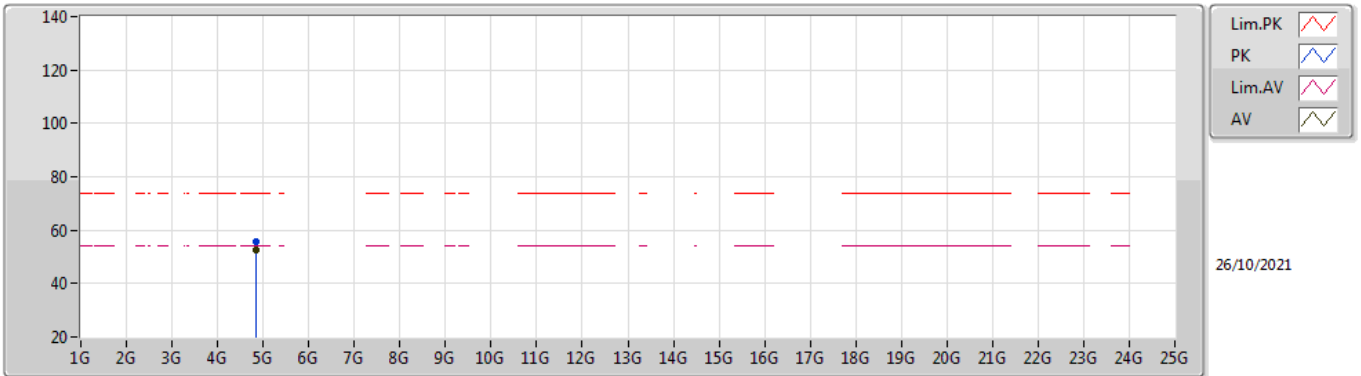


EUT_Y_4TX
Setting 27
01-D-B-4

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	2.361G	55.91	74.00	-18.09	24.79	3	Horizontal	100	1.06	-	27.32	3.80	-
AV	2.3614G	43.98	54.00	-10.02	12.86	3	Horizontal	100	1.06	-	27.32	3.80	-
PK	2.4314G	117.34	Inf	-Inf	86.06	3	Horizontal	100	1.06	-	27.46	3.82	-
AV	2.4298G	103.56	Inf	-Inf	72.29	3	Horizontal	100	1.06	-	27.46	3.81	-
PK	2.487G	55.37	74.00	-18.63	23.81	3	Horizontal	100	1.06	-	27.72	3.84	-
AV	2.4854G	44.24	54.00	-9.76	12.69	3	Horizontal	100	1.06	-	27.71	3.84	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2437MHz_TX

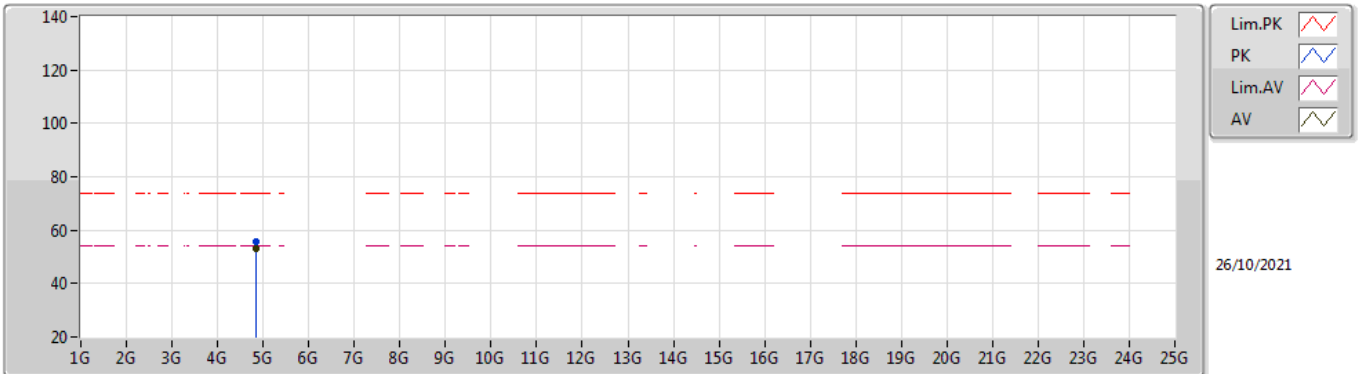


EUT Y_4TX
Setting 27
01-D-B-4

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	4.85396G	55.75	74.00	-18.25	50.02	3	Vertical	52	1.74	-	32.41	6.30	32.98
AV	4.85396G	52.75	54.00	-1.25	47.02	3	Vertical	52	1.74	-	32.41	6.30	32.98

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2437MHz_TX

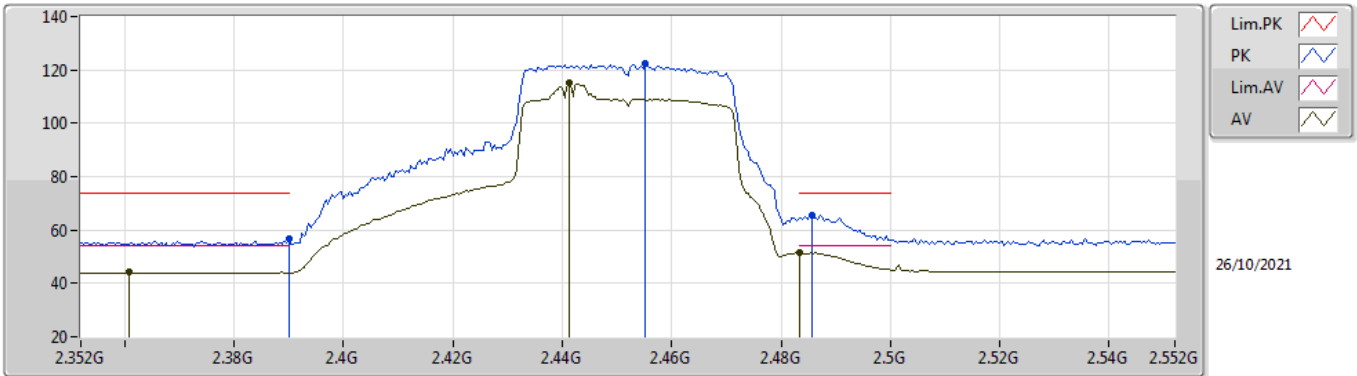


EUT Y_4TX
Setting 27
01-D-B-4

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	4.85396G	55.60	74.00	-18.40	49.87	3	Horizontal	71	2.14	-	32.41	6.30	32.98	
AV	4.85396G	52.98	54.00	-1.02	47.25	3	Horizontal	71	2.14	-	32.41	6.30	32.98	

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2452MHz_TX

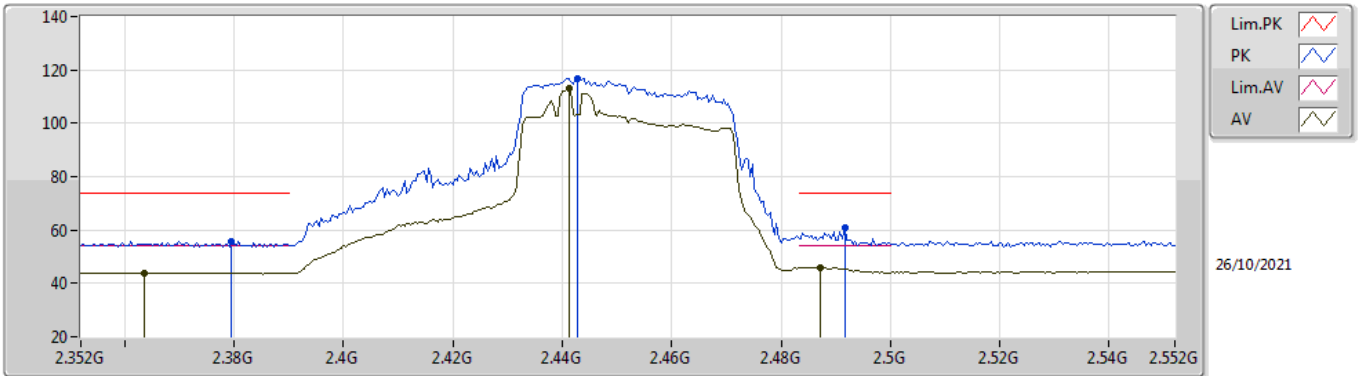


EUT_Y_4TX
Setting 28
01-D-B-4

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	56.68	74.00	-17.32	25.50	3	Vertical	291	1.01	-	27.38	3.80	-
AV	2.3608G	44.16	54.00	-9.84	13.04	3	Vertical	291	1.01	-	27.32	3.80	-
PK	2.4552G	122.33	Inf	-Inf	90.97	3	Vertical	291	1.01	-	27.53	3.83	-
AV	2.4412G	115.01	Inf	-Inf	83.71	3	Vertical	291	1.01	-	27.48	3.82	-
PK	2.4856G	65.62	74.00	-8.38	34.07	3	Vertical	291	1.01	-	27.71	3.84	-
AV	2.4835G	51.45	54.00	-2.55	19.91	3	Vertical	291	1.01	-	27.70	3.84	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2452MHz_TX

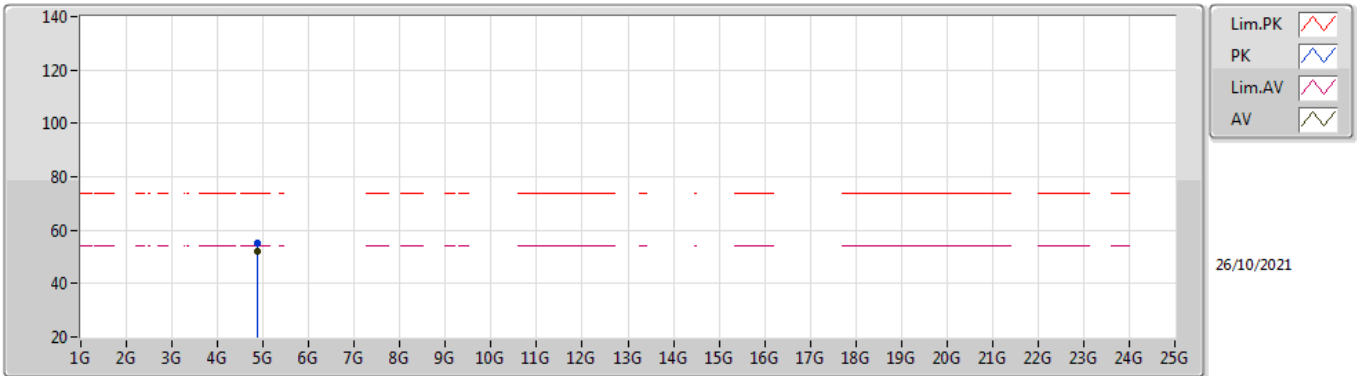


EUT_Y_4TX
Setting 28
01-D-B-4

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	2.3796G	55.70	74.00	-18.30	24.54	3	Horizontal	36	1.68	-	27.36	3.80	-
AV	2.3636G	43.90	54.00	-10.10	12.77	3	Horizontal	36	1.68	-	27.33	3.80	-
PK	2.4428G	116.69	Inf	-Inf	85.38	3	Horizontal	36	1.68	-	27.49	3.82	-
AV	2.4412G	113.00	Inf	-Inf	81.70	3	Horizontal	36	1.68	-	27.48	3.82	-
PK	2.4916G	61.11	74.00	-12.89	29.51	3	Horizontal	36	1.68	-	27.75	3.85	-
AV	2.4872G	46.03	54.00	-7.97	14.47	3	Horizontal	36	1.68	-	27.72	3.84	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2452MHz_TX

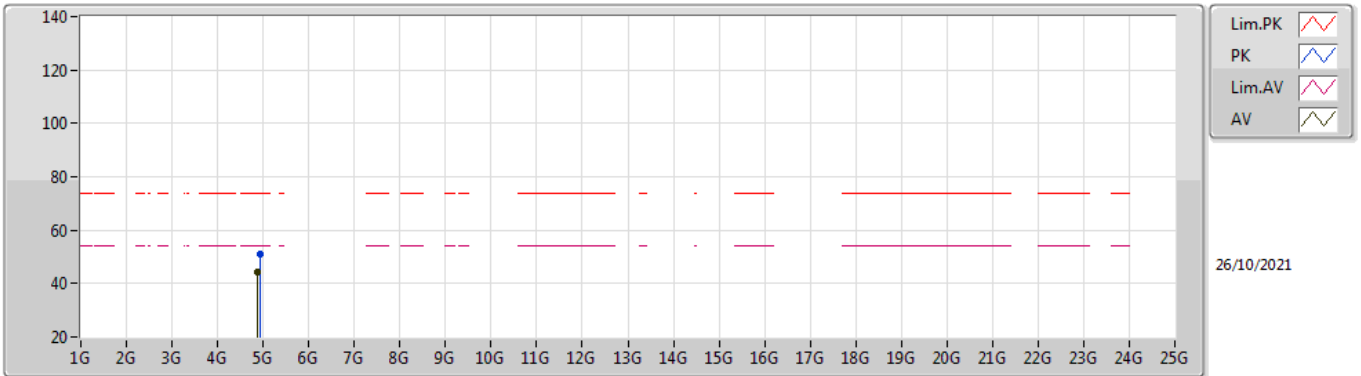


EUT Y_4TX
Setting 28
01-D-B-4

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	4.88396G	55.36	74.00	-18.64	49.57	3	Vertical	289	1.05	-	32.47	6.30	32.98
AV	4.88396G	52.20	54.00	-1.80	46.41	3	Vertical	289	1.05	-	32.47	6.30	32.98

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2452MHz_TX



EUT Y_4TX
Setting 28
01-D-B-4

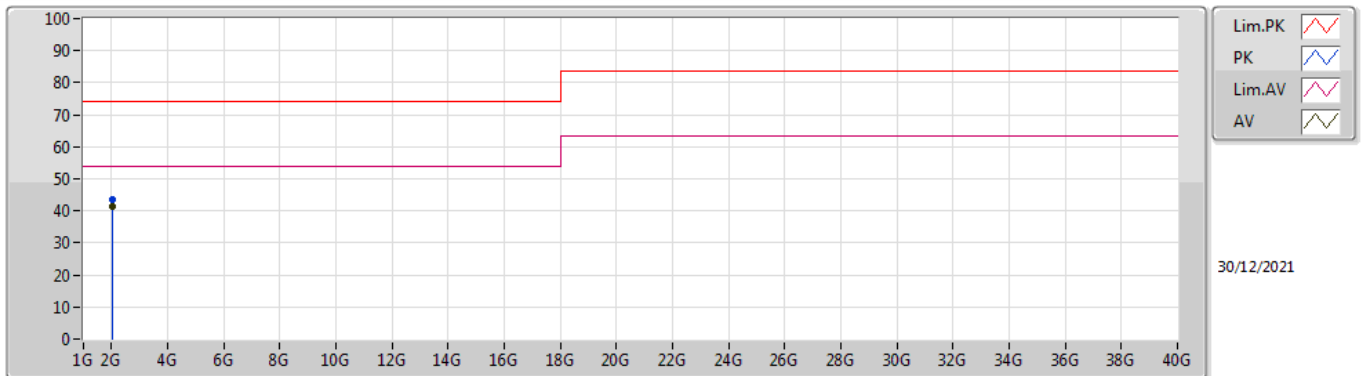
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92272G	50.83	74.00	-23.17	44.86	3	Horizontal	75	1.73	-	32.64	6.30	32.97
AV	4.88396G	44.49	54.00	-9.51	38.70	3	Horizontal	75	1.73	-	32.47	6.30	32.98



Summary

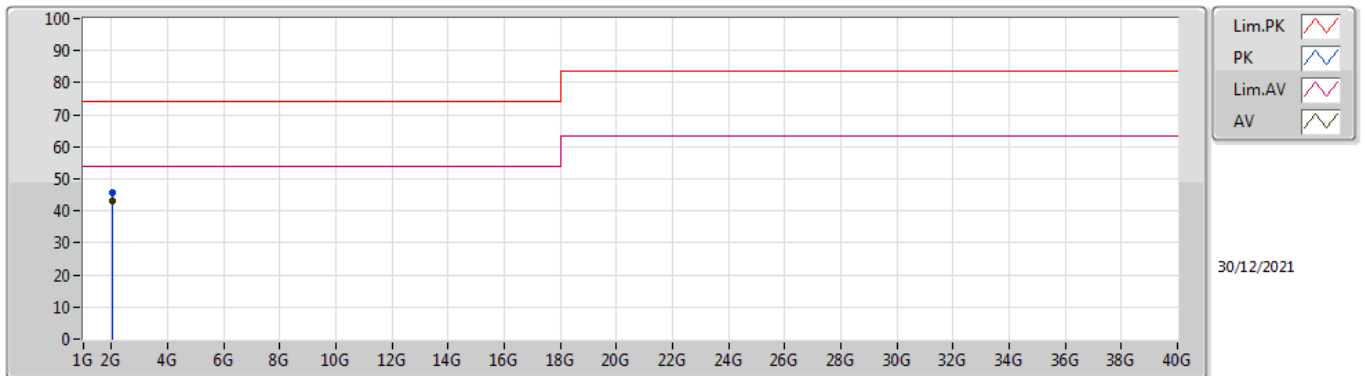
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	2.02477G	43.16	54.00	-10.84	Horizontal

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	2.02502G	43.53	74.00	-30.47	-6.01	3	Vertical	166	1.00	-	49.54	26.40	4.74	37.15
AV	2.02491G	41.29	54.00	-12.71	-6.01	3	Vertical	166	1.00	"Worst"	47.30	26.40	4.74	37.15

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	2.02502G	45.52	74.00	-28.48	-6.01	3	Horizontal	163	1.08	-	51.53	26.40	4.74	37.15
AV	2.02477G	43.16	54.00	-10.84	-6.01	3	Horizontal	163	1.08	"Worst"	49.17	26.40	4.74	37.15